

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120420\
 Data File : VD067887.D
 Acq On : 04 Dec 2020 15:58
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 04 23:50:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	221763	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	315596	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	285730	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	150727	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	112229	47.14	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.28%		
35) Dibromofluoromethane	7.92	113	100765	47.72	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.44%		
50) Toluene-d8	10.34	98	368796	48.51	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	97.02%		
62) 4-Bromofluorobenzene	12.64	95	133426	50.77	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	101.54%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	92256	47.803	ug/l	99
3) Chloromethane	2.21	50	44133	39.624	ug/l	94
4) Vinyl Chloride	2.35	62	63712	45.419	ug/l	94
5) Bromomethane	2.77	94	66133	52.811	ug/l	99
6) Chloroethane	2.93	64	42091	46.086	ug/l	99
7) Trichlorofluoromethane	3.28	101	198904	46.338	ug/l	96
8) Diethyl Ether	3.71	74	36783	43.966	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	87922	44.919	ug/l	98
10) Methyl Iodide	4.30	142	85253	41.092	ug/l	99
11) Tert butyl alcohol	5.23	59	28324	225.849	ug/l	96
12) 1,1-Dichloroethene	4.07	96	84374	45.915	ug/l	91
13) Acrolein	3.93	56	18068	197.491	ug/l	98
14) Allyl chloride	4.72	41	77638	45.669	ug/l	95
15) Acrylonitrile	5.43	53	62627	215.885	ug/l	99
16) Acetone	4.16	43	64970	220.848	ug/l	100
17) Carbon Disulfide	4.41	76	224432	43.743	ug/l	98
18) Methyl Acetate	4.72	43	22673	40.935	ug/l	91
19) Methyl tert-butyl Ether	5.48	73	187543	47.661	ug/l	98
20) Methylene Chloride	4.97	84	97573	51.310	ug/l	96
21) trans-1,2-Dichloroethene	5.48	96	94740	45.307	ug/l	96
22) Diisopropyl ether	6.37	45	152797	44.689	ug/l	92
23) Vinyl Acetate	6.31	43	453271	238.297	ug/l	98
24) 1,1-Dichloroethane	6.27	63	136913	45.680	ug/l	99
25) 2-Butanone	7.22	43	66584	215.187	ug/l	97
26) 2,2-Dichloropropane	7.21	77	174336	48.778	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	104269	45.588	ug/l	97
28) Bromochloromethane	7.55	49	44199	46.447	ug/l	98
29) Tetrahydrofuran	7.57	42	37151	210.868	ug/l	91
30) Chloroform	7.71	83	182503	45.564	ug/l	99
31) Cyclohexane	7.98	56	103163	41.130	ug/l	92
32) 1,1,1-Trichloroethane	7.91	97	199494	47.182	ug/l	99
36) 1,1-Dichloropropene	8.12	75	125439	45.913	ug/l	99
37) Ethyl Acetate	7.30	43	32064	43.545	ug/l #	93
38) Carbon Tetrachloride	8.10	117	196747	47.595	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120420\
 Data File : VD067887.D
 Acq On : 04 Dec 2020 15:58
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Quant Time: Dec 04 23:50:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	143602	44.354	ug/l	97
40) Benzene	8.36	78	345546	46.222	ug/l	99
41) Methacrylonitrile	7.53	41	19849	57.429	ug/l	93
42) 1,2-Dichloroethane	8.43	62	125719	47.185	ug/l	100
43) Isopropyl Acetate	8.46	43	62797	43.343	ug/l	99
44) Trichloroethene	9.11	130	116760	45.427	ug/l	98
45) 1,2-Dichloropropane	9.40	63	66283	43.199	ug/l	98
46) Dibromomethane	9.48	93	48467	45.432	ug/l	96
47) Bromodichloromethane	9.67	83	140169	46.089	ug/l	94
48) Methyl methacrylate	9.46	41	30951	42.071	ug/l	96
49) 1,4-Dioxane	9.46	88	9906	812.642	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	151678	221.196	ug/l	100
52) Toluene	10.41	92	245481	46.967	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	122325	46.600	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	133326	46.694	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	65581	44.920	ug/l	96
56) Ethyl methacrylate	10.67	69	67150	45.207	ug/l	97
57) 1,3-Dichloropropane	10.95	76	101178	43.751	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	169392	250.613	ug/l	97
59) 2-Hexanone	10.99	43	108181	223.795	ug/l	97
60) Dibromochloromethane	11.14	129	102210	46.444	ug/l	98
61) 1,2-Dibromoethane	11.25	107	62069	43.233	ug/l	100
64) Tetrachloroethene	10.88	164	103507	44.411	ug/l	98
65) Chlorobenzene	11.67	112	278613	47.257	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	114715	47.705	ug/l	96
67) Ethyl Benzene	11.75	91	479784	47.771	ug/l	97
68) m/p-Xylenes	11.86	106	368446	93.038	ug/l	99
69) o-Xylene	12.18	106	172917	49.184	ug/l	98
70) Styrene	12.20	104	298326	48.799	ug/l	99
71) Bromoform	12.36	173	59292	46.581	ug/l #	95
73) Isopropylbenzene	12.48	105	484280	46.721	ug/l	97
74) N-amyl acetate	12.29	43	55939	43.629	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	57825	42.255	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	86271	78.597	ug/l #	1
77) Bromobenzene	12.77	156	120213	46.650	ug/l	97
78) n-propylbenzene	12.83	91	531461	46.260	ug/l	99
79) 2-Chlorotoluene	12.91	91	309406	45.779	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	420723	46.880	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	18857	41.095	ug/l #	91
82) 4-Chlorotoluene	13.01	91	326048	45.224	ug/l	100
83) tert-Butylbenzene	13.23	119	363927	47.654	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	417472	46.780	ug/l	100
85) sec-Butylbenzene	13.40	105	451897	44.334	ug/l	98
86) p-Isopropyltoluene	13.52	119	450718	45.118	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	221876	44.635	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	225026	45.249	ug/l	98
89) n-Butylbenzene	13.84	91	373425	44.994	ug/l	98
90) Hexachloroethane	14.11	117	79530	43.121	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	191956	44.524	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12464	43.641	ug/l	90

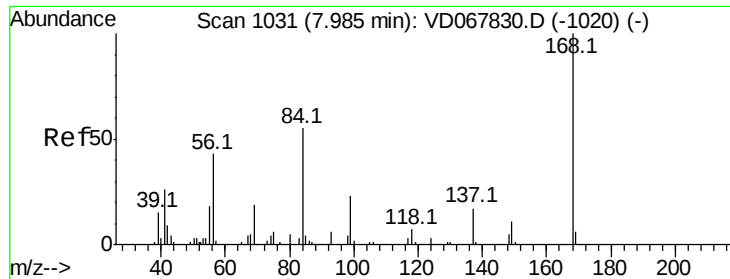
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD120420\
Data File : VD067887.D
Acq On : 04 Dec 2020 15:58
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Quant Time: Dec 04 23:50:47 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 02 08:05:58 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	137458	45.581	ug/l	98
94) Hexachlorobutadiene	15.27	225	90933	46.209	ug/l	98
95) Naphthalene	15.40	128	222701	45.382	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	118004	45.311	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

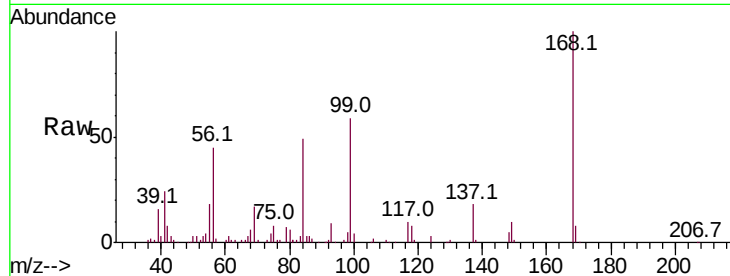
VSTDCCC050EC

Tot Ion:168 Resp: 221763

Ion Ratio Lower Upper

168 100

99 58.8 47.1 70.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

100000

80000

60000

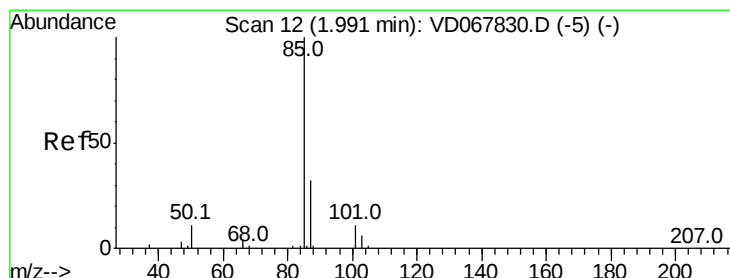
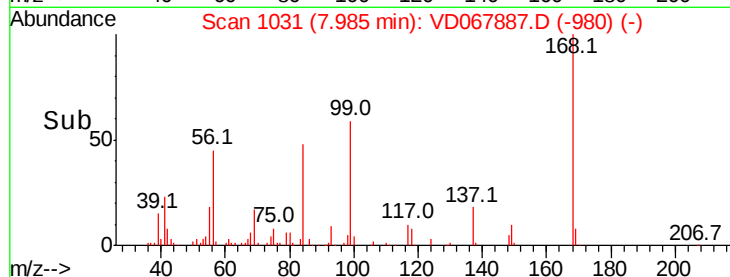
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 47.803 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD067887.D

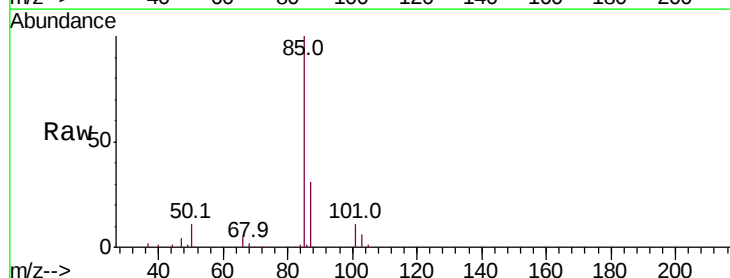
Acq: 04 Dec 2020 15:58

Tgt Ion: 85 Resp: 92256

Ion Ratio Lower Upper

85 100

87 31.2 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

80000

60000

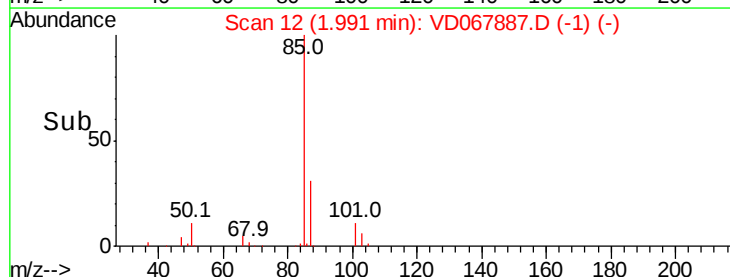
40000

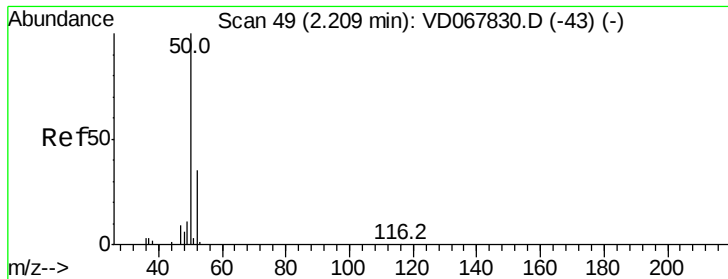
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 39.624 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

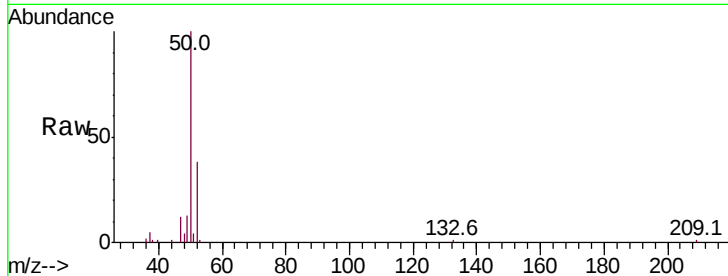
VSTDCCC050EC

Tot Ion: 50 Resp: 44133

Ion Ratio Lower Upper

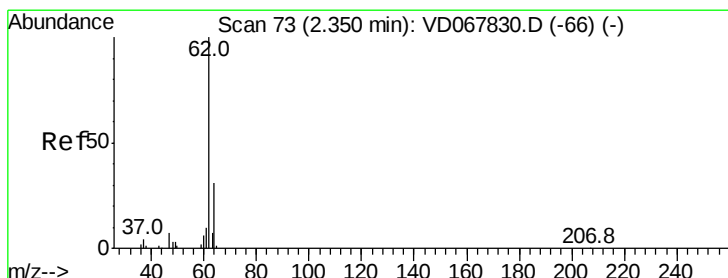
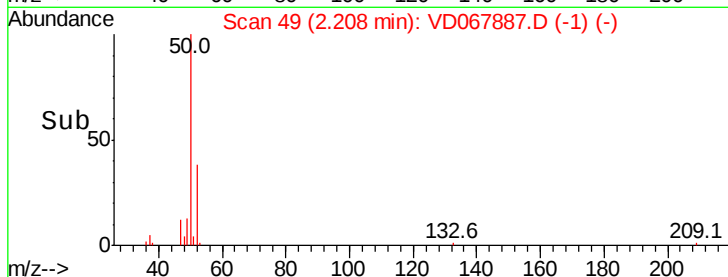
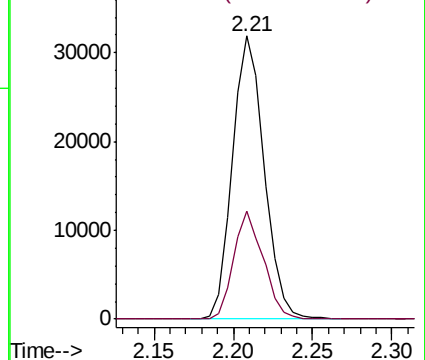
50 100

52 38.1 27.8 41.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 45.419 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD067887.D

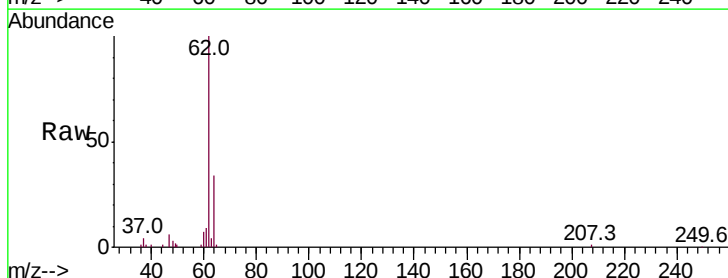
Acq: 04 Dec 2020 15:58

Tgt Ion: 62 Resp: 63712

Ion Ratio Lower Upper

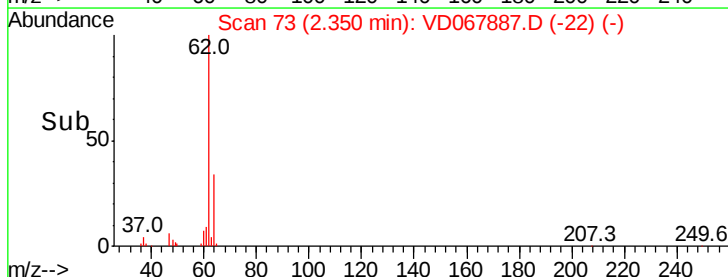
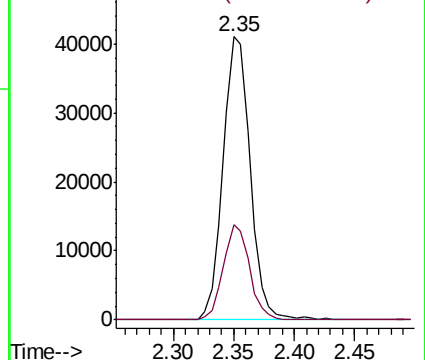
62 100

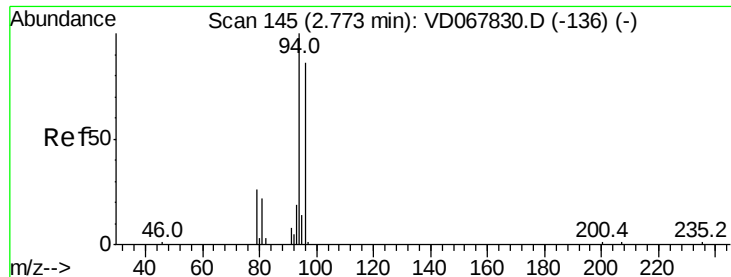
64 33.6 24.5 36.7



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 52.811 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

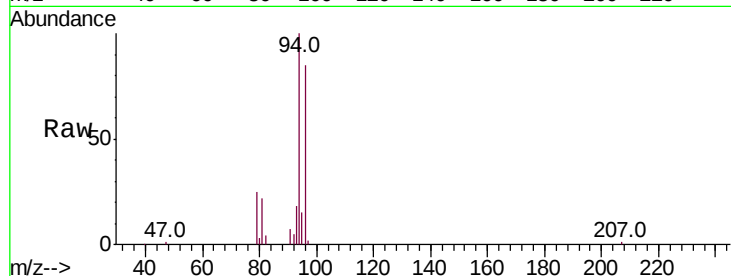
VSTDCCC050EC

Tot Ion: 94 Resp: 66133

Ion Ratio Lower Upper

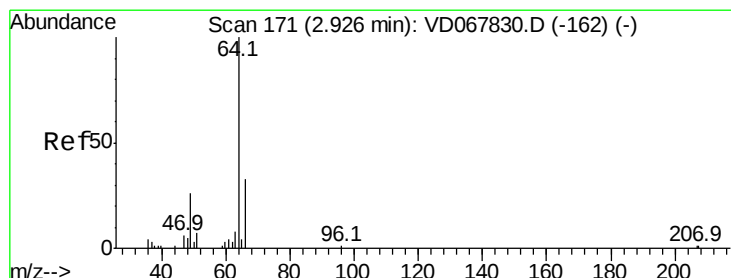
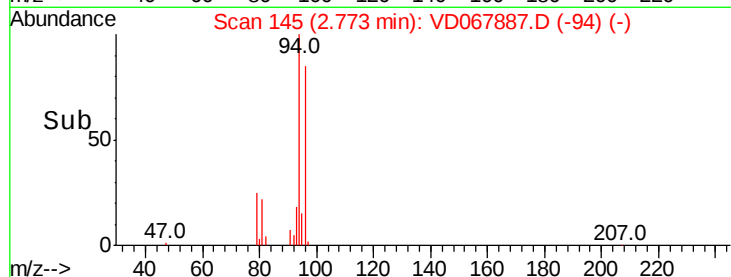
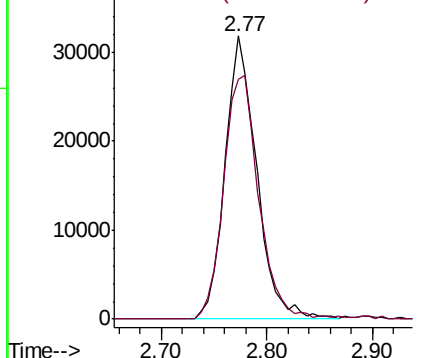
94 100

96 84.8 68.7 103.1



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 46.086 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD067887.D

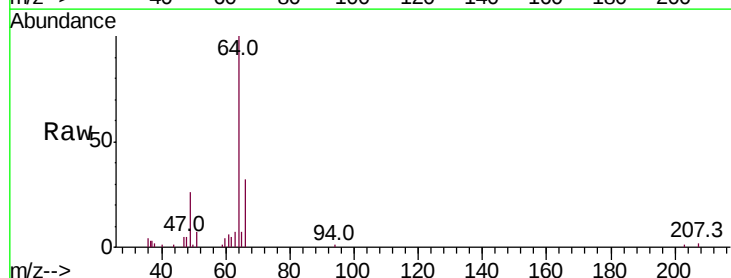
Acq: 04 Dec 2020 15:58

Tgt Ion: 64 Resp: 42091

Ion Ratio Lower Upper

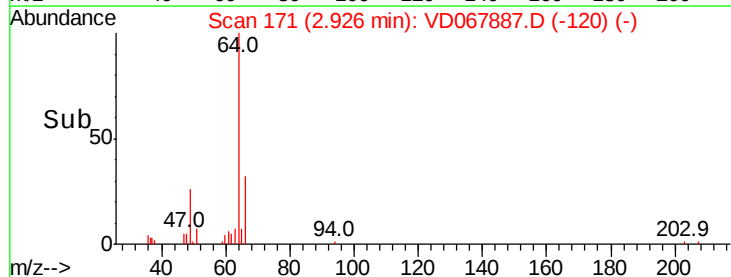
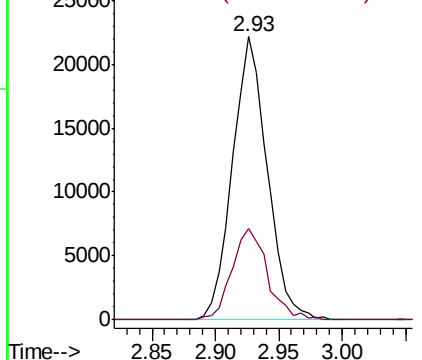
64 100

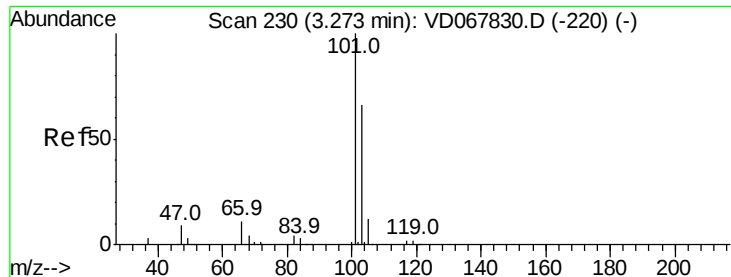
66 32.3 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



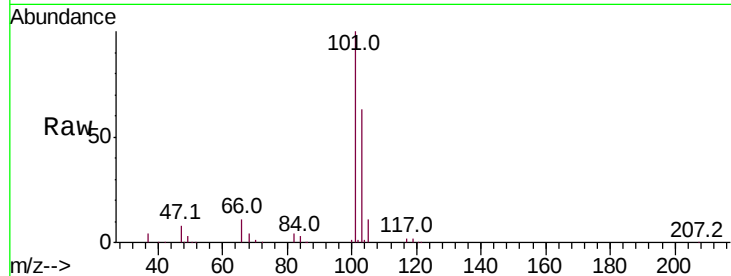


#7

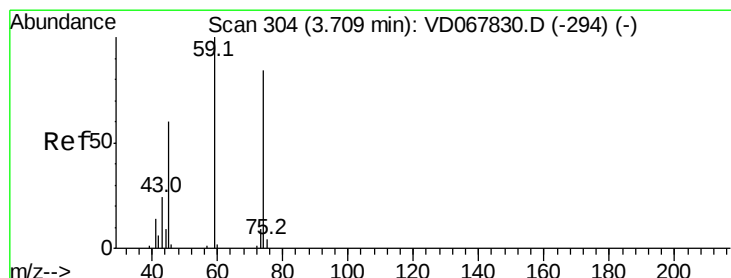
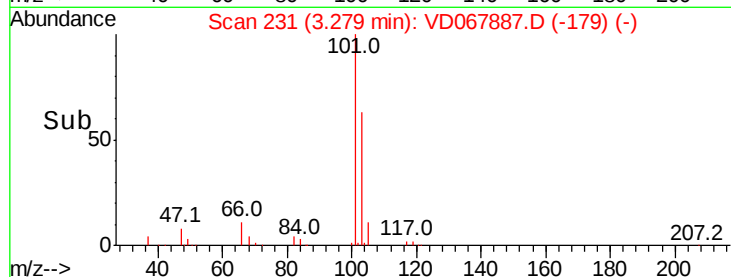
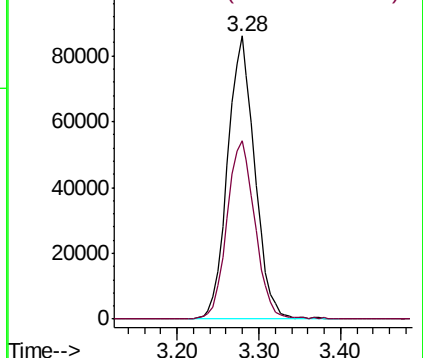
Trichlorofluoromethane
 Concen: 46.338 ug/l
 RT: 3.28 min Scan# 231
 Delta R.T. 0.01 min
 Lab File: VD067887.D
 Acq: 04 Dec 2020 15:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:101 Resp: 198904
 Ion Ratio Lower Upper
 101 100
 103 63.0 53.0 79.6



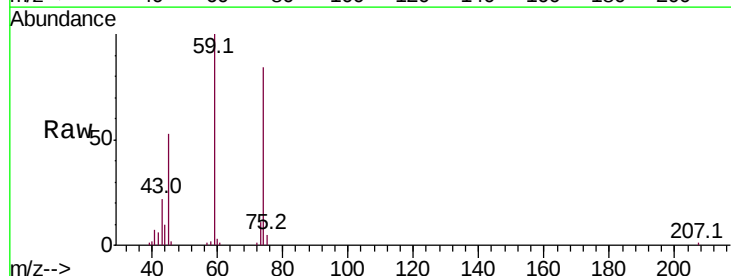
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



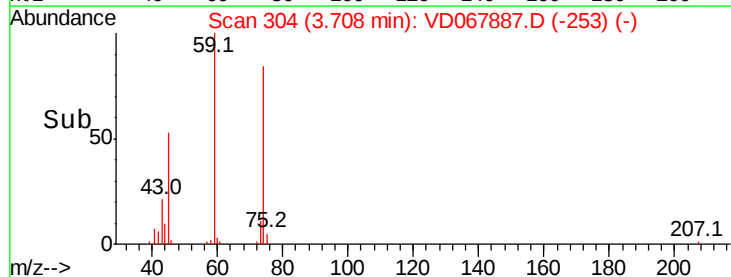
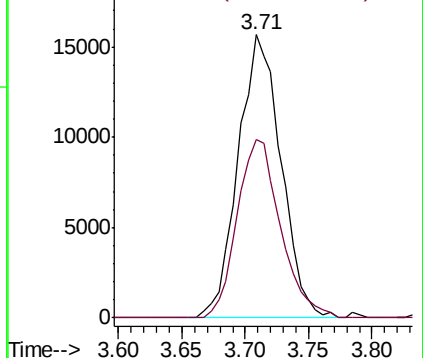
#8

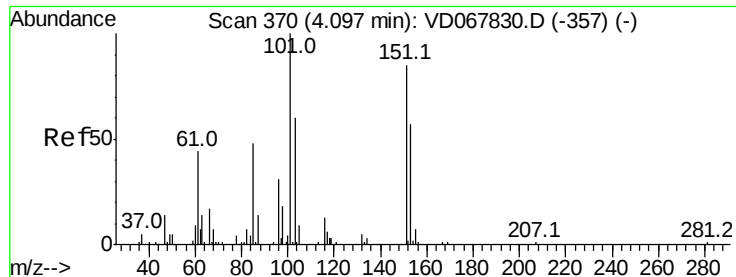
Diethyl Ether
 Concen: 43.966 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD067887.D
 Acq: 04 Dec 2020 15:58

Tgt Ion: 74 Resp: 36783
 Ion Ratio Lower Upper
 74 100
 45 63.8 33.9 101.7



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.919 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

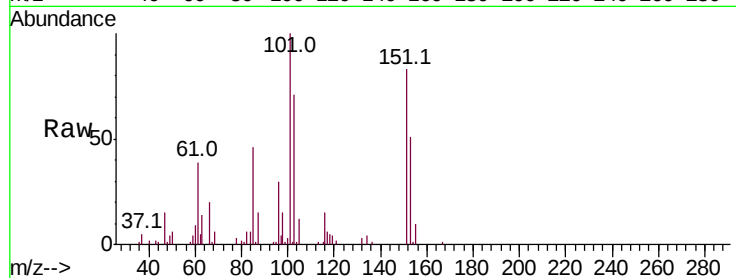
Tot Ion:101 Resp: 87922

Ion Ratio Lower Upper

101 100

85 46.9 36.2 54.4

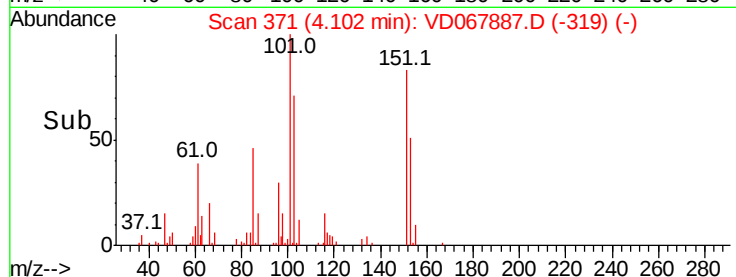
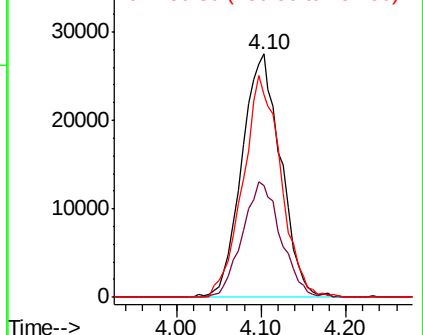
151 89.0 69.4 104.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 41.092 ug/l

RT: 4.30 min Scan# 405

Delta R.T. -0.00 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

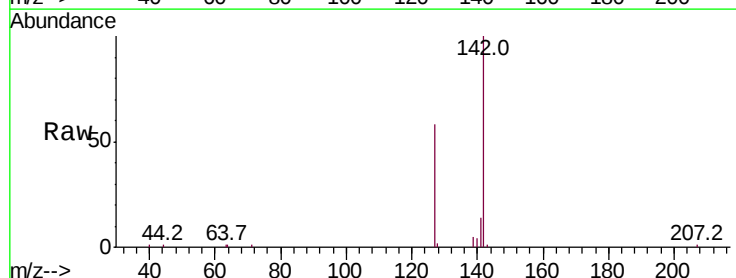
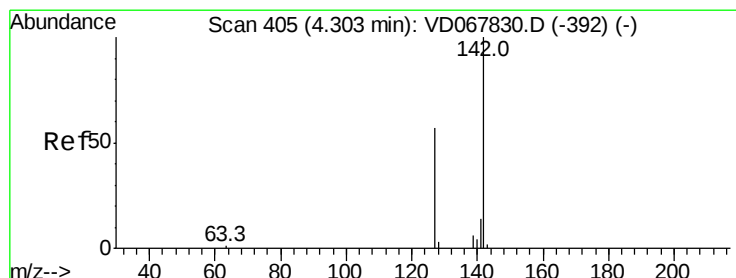
Tgt Ion:142 Resp: 85253

Ion Ratio Lower Upper

142 100

127 55.4 43.9 65.9

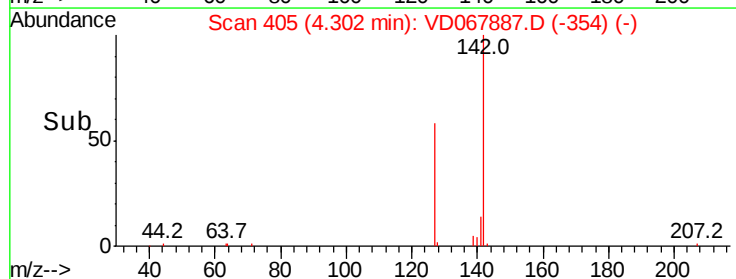
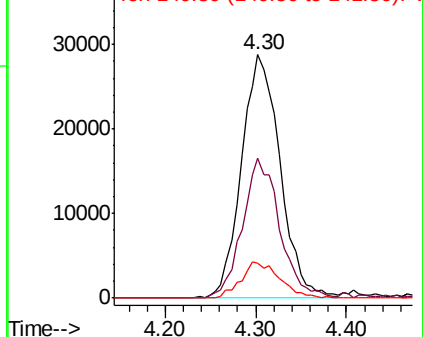
141 14.9 12.2 18.2

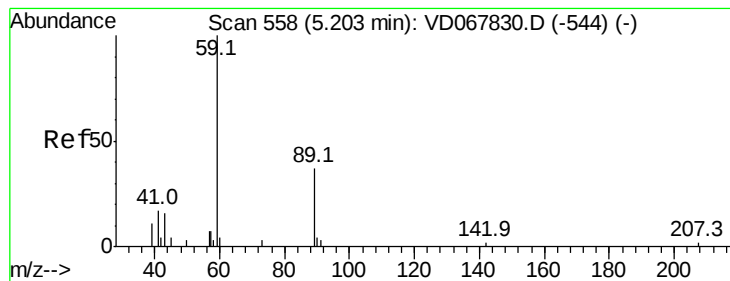


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



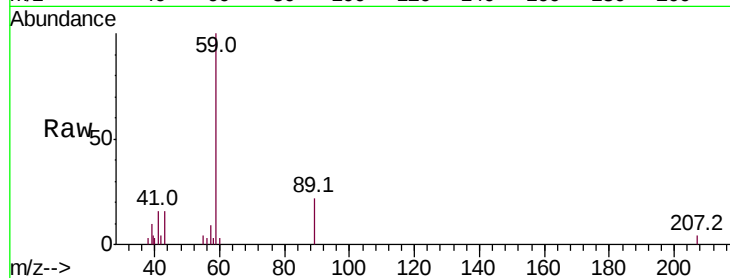


#11

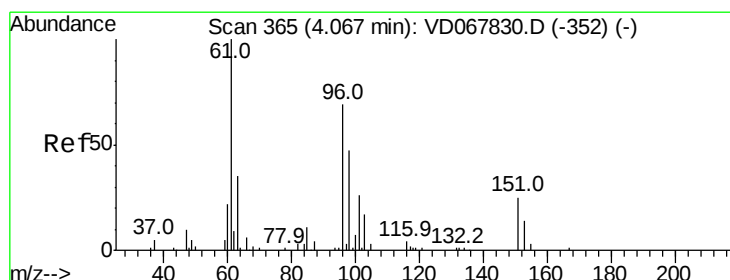
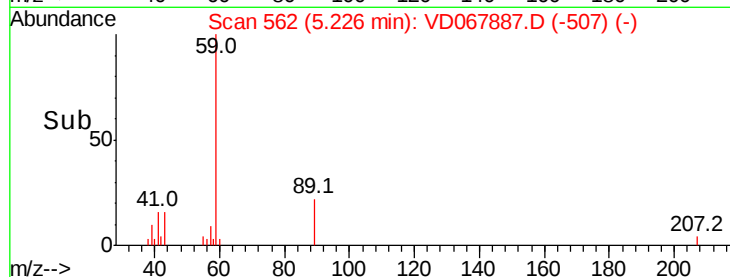
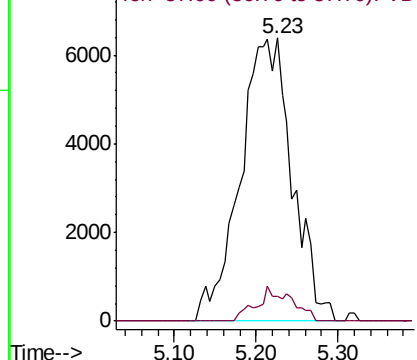
Tert butyl alcohol
 Concen: 225.849 ug/l
 RT: 5.23 min Scan# 562
 Delta R.T. 0.02 min
 Lab File: VD067887.D
 Acq: 04 Dec 2020 15:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 59 Resp: 28324
 Ion Ratio Lower Upper
 59 100
 57 8.0 7.7 11.5



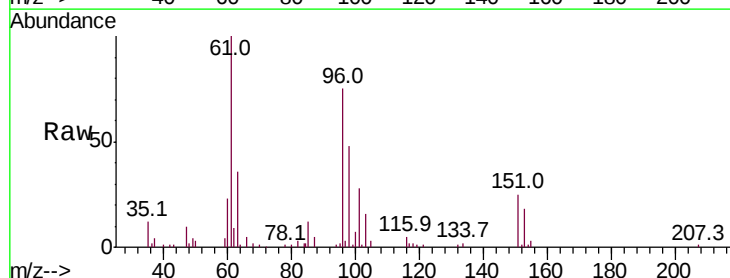
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



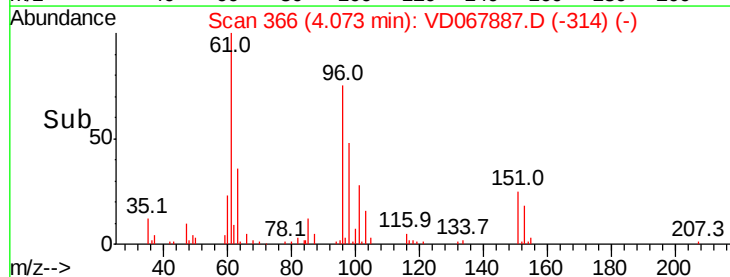
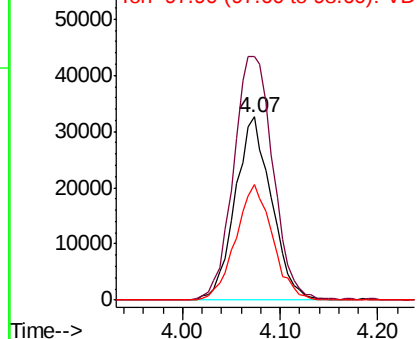
#12

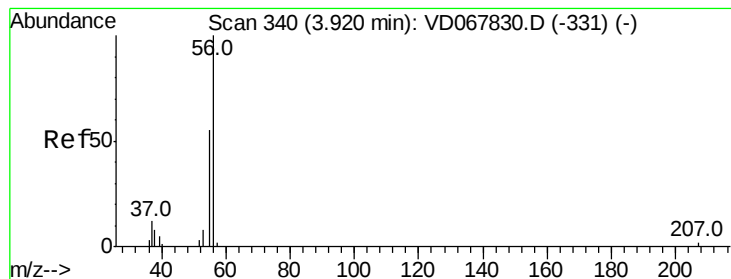
1,1-Dichloroethene
 Concen: 45.915 ug/l
 RT: 4.07 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VD067887.D
 Acq: 04 Dec 2020 15:58

Tgt Ion: 96 Resp: 84374
 Ion Ratio Lower Upper
 96 100
 61 132.9 116.1 174.1
 98 63.2 54.6 82.0



Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 197.491 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

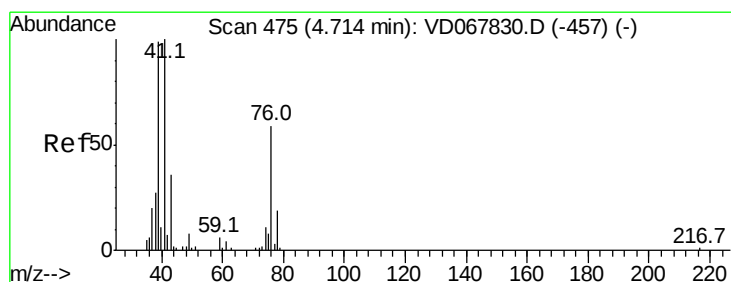
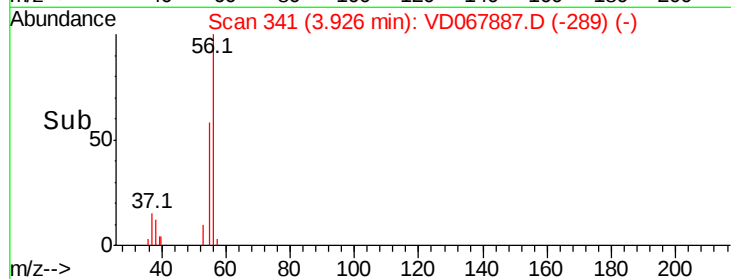
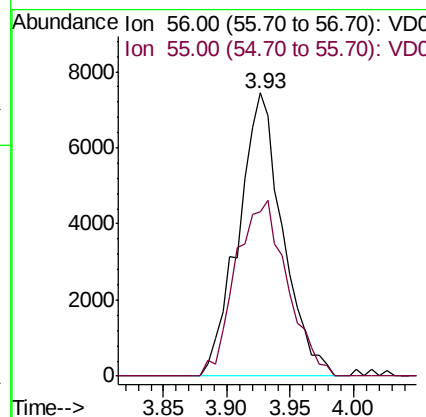
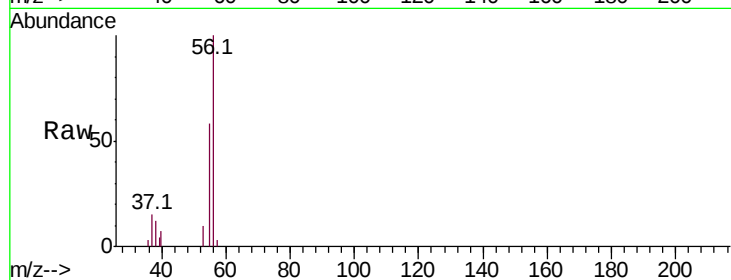
VSTDCCC050EC

Tot Ion: 56 Resp: 18068

Ion Ratio Lower Upper

56 100

55 72.0 56.5 84.7



#14

Allyl chloride

Concen: 45.669 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

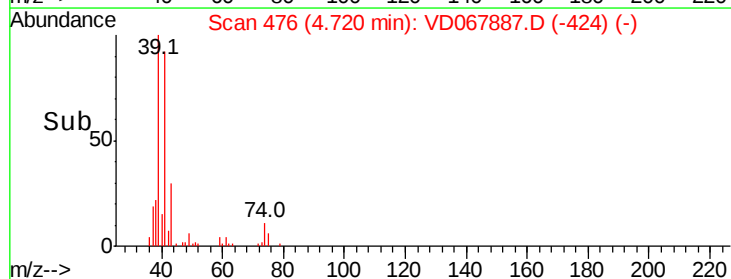
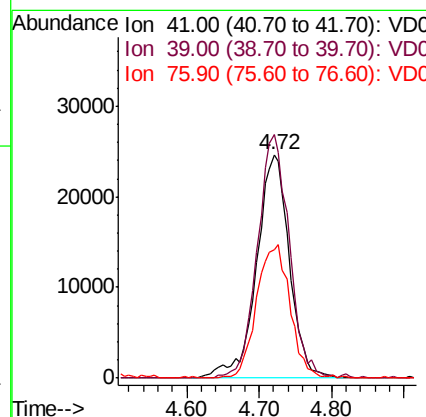
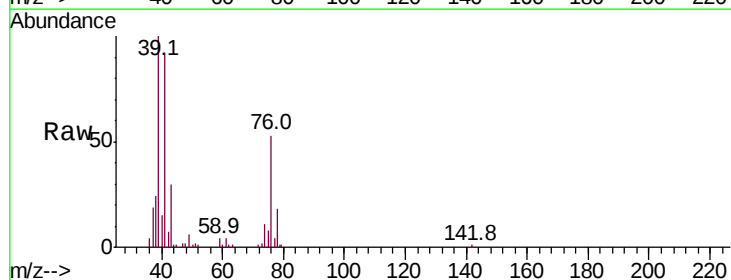
Tgt Ion: 41 Resp: 77638

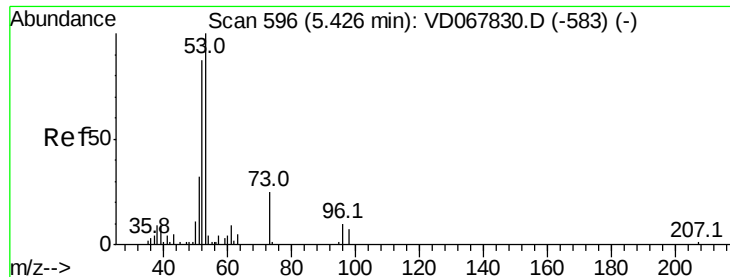
Ion Ratio Lower Upper

41 100

39 105.4 79.0 118.6

76 60.9 46.6 70.0





#15

Acrylonitrile

Concen: 215.885 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.00 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

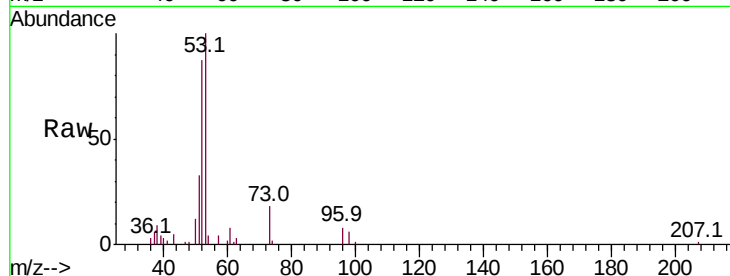
Tot Ion: 53 Resp: 62627

Ion Ratio Lower Upper

53 100

52 84.6 66.2 99.2

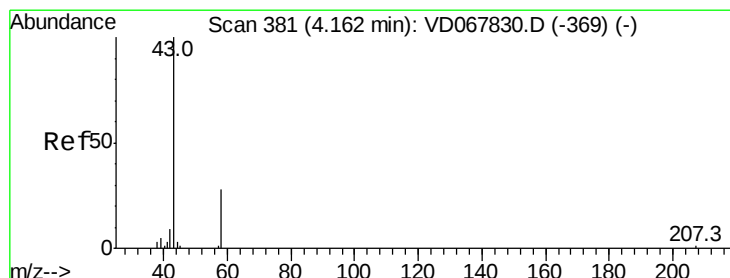
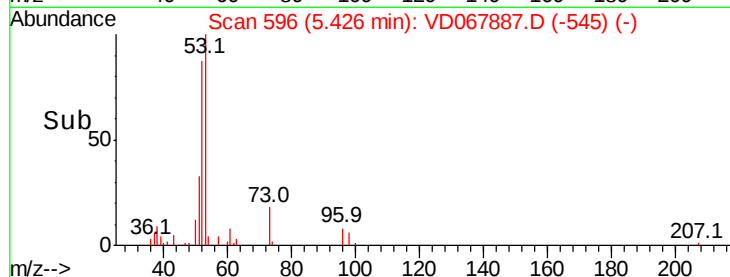
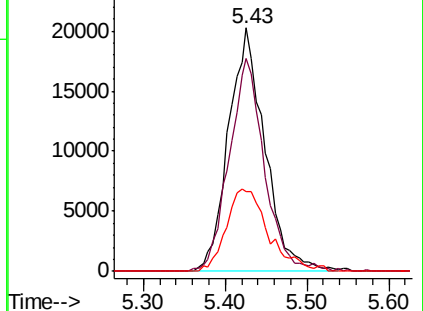
51 38.7 31.1 46.7



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 220.848 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD067887.D

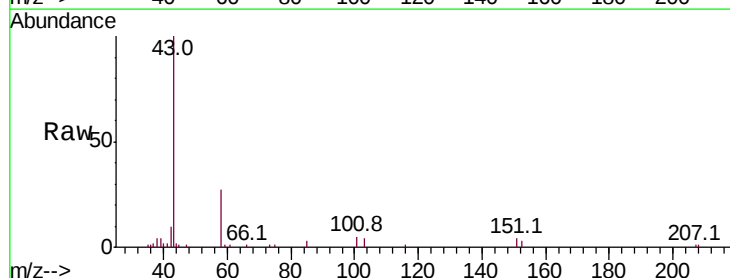
Acq: 04 Dec 2020 15:58

Tgt Ion: 43 Resp: 64970

Ion Ratio Lower Upper

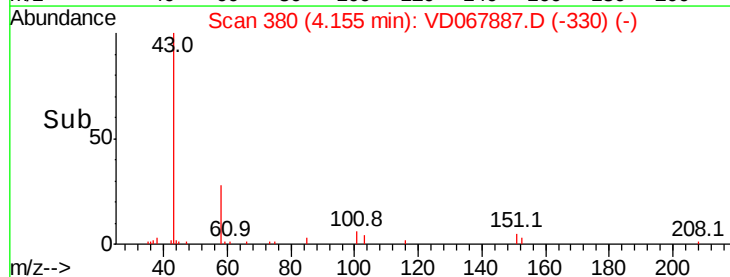
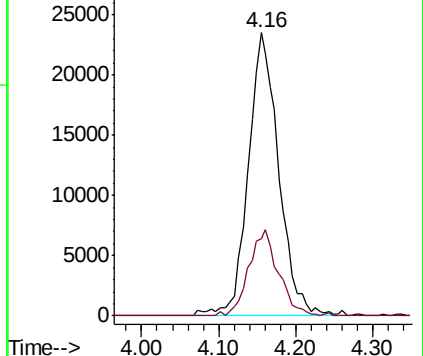
43 100

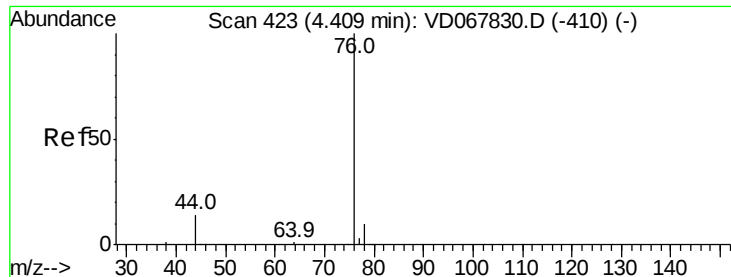
58 27.2 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

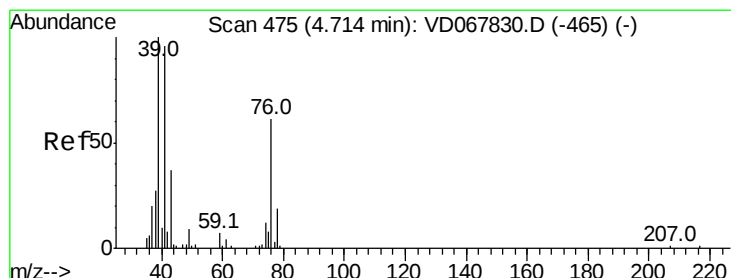
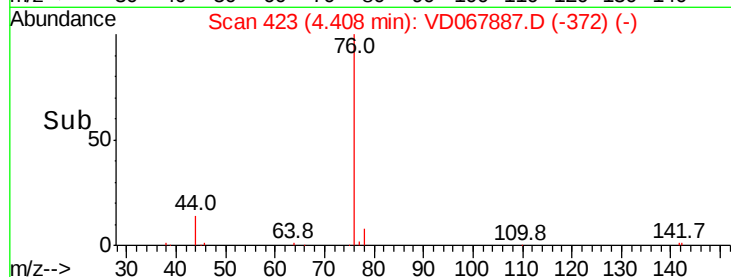
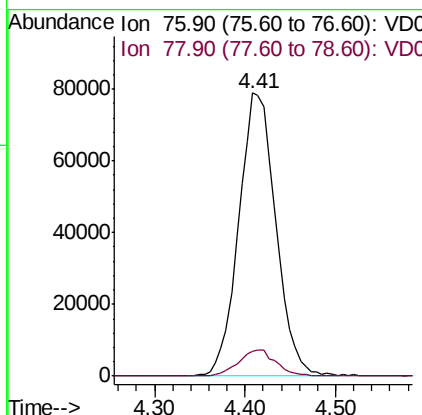
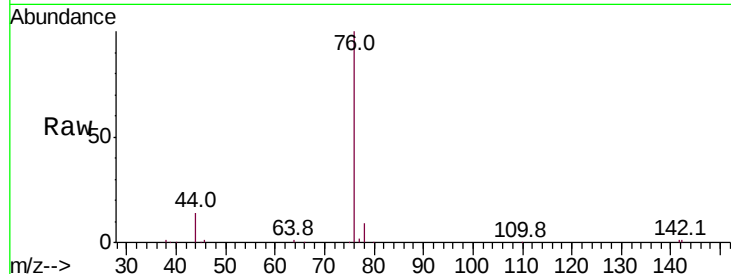




#17
Carbon Disulfide
Concen: 43.743 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.00 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

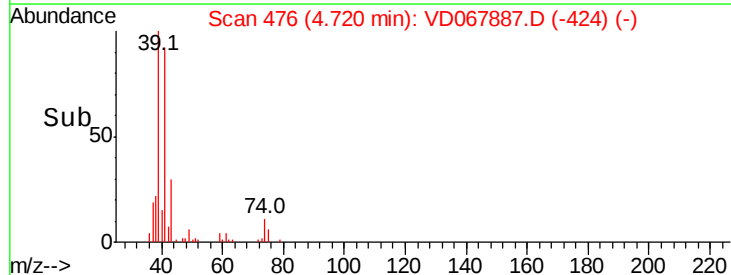
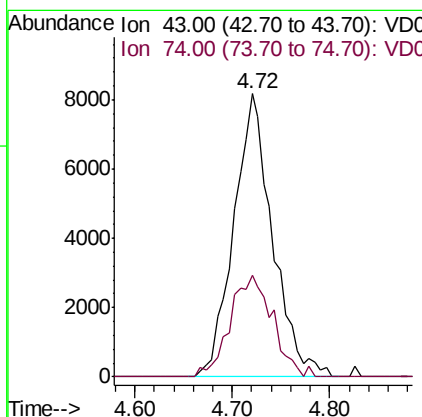
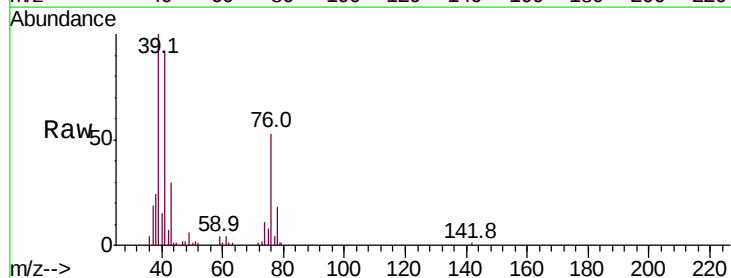
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

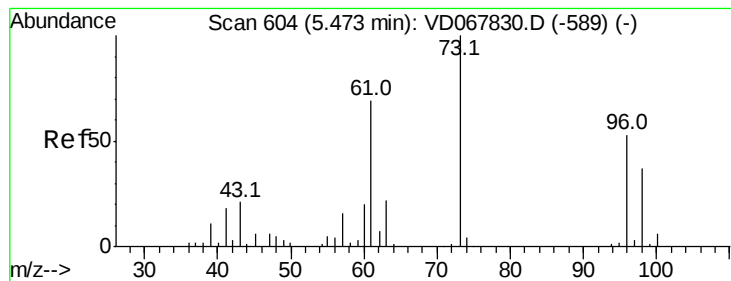
Tot Ion: 76 Resp: 224432
Ion Ratio Lower Upper
76 100
78 8.9 7.8 11.6



#18
Methyl Acetate
Concen: 40.935 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Tgt Ion: 43 Resp: 22673
Ion Ratio Lower Upper
43 100
74 38.8 27.0 40.4



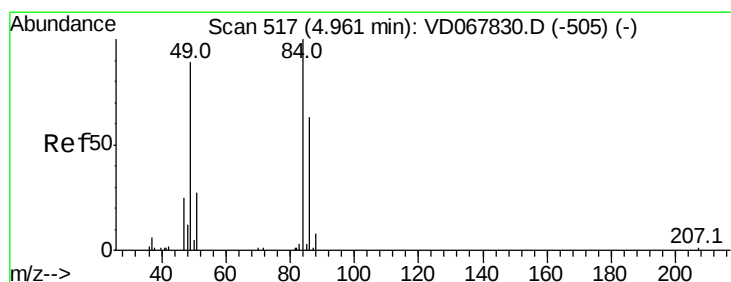
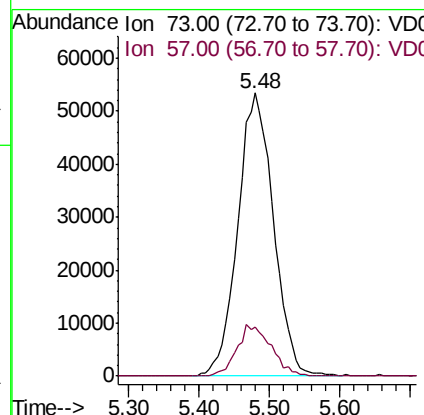
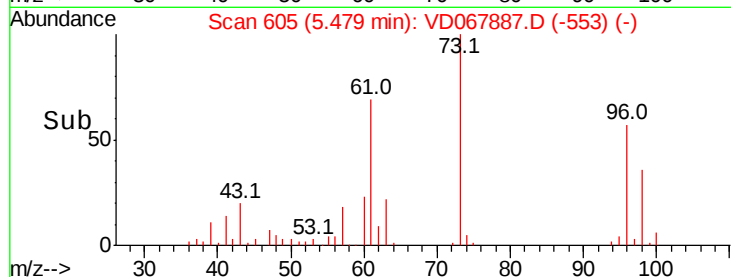
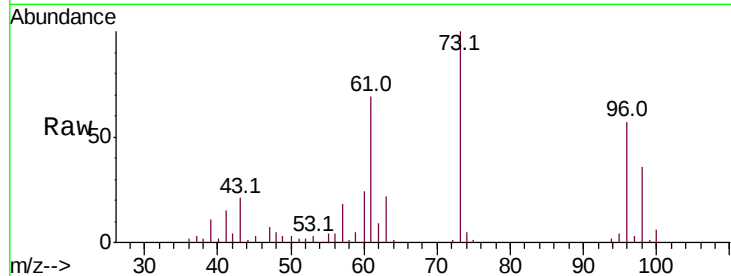


#19

Methyl tert-butyl Ether
 Concen: 47.661 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.01 min
 Lab File: VD067887.D
 Acq: 04 Dec 2020 15:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

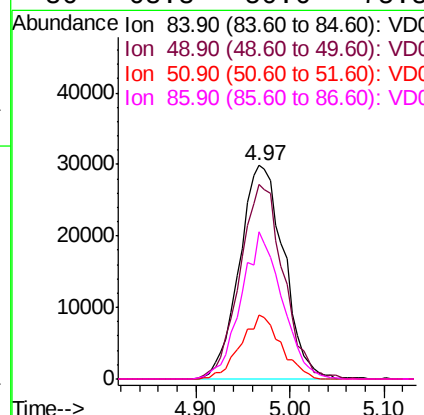
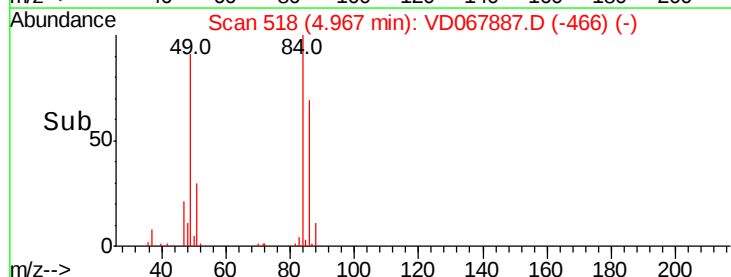
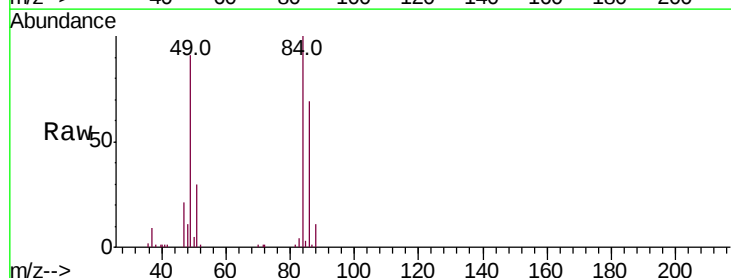
Tot Ion: 73 Resp: 187543
 Ion Ratio Lower Upper
 73 100
 57 17.6 13.2 19.8

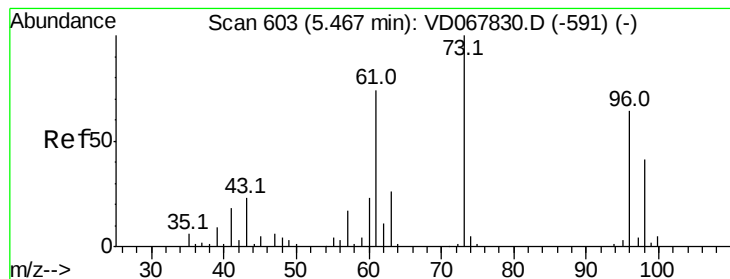


#20

Methylene Chloride
 Concen: 51.310 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD067887.D
 Acq: 04 Dec 2020 15:58

Tgt Ion: 84 Resp: 97573
 Ion Ratio Lower Upper
 84 100
 49 90.9 71.4 107.0
 51 29.9 21.8 32.8
 86 68.8 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 45.307 ug/l

RT: 5.48 min Scan# 606

Delta R.T. 0.02 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

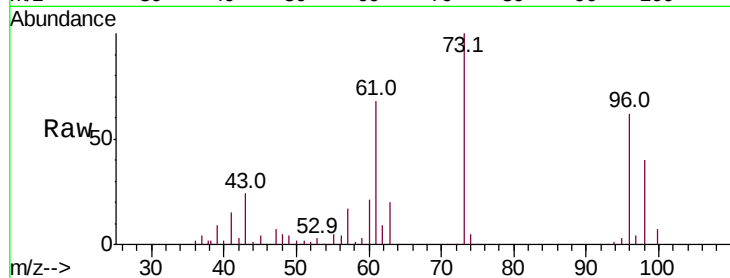
Tot Ion: 96 Resp: 94740

Ion Ratio Lower Upper

96 100

61 109.3 93.1 139.7

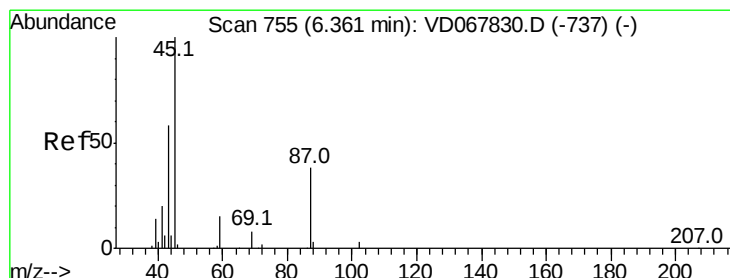
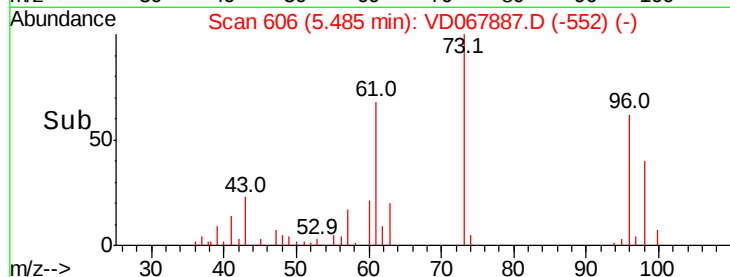
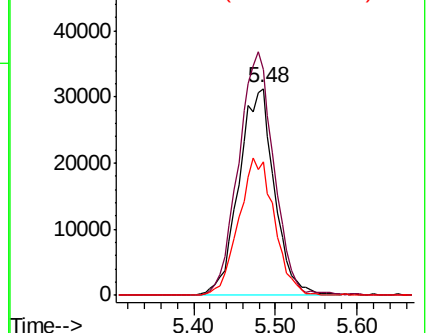
98 64.6 52.2 78.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 44.689 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Tgt Ion: 45 Resp: 152797

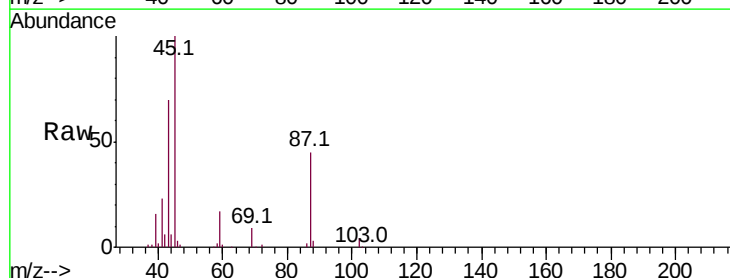
Ion Ratio Lower Upper

45 100

43 68.8 49.8 74.6

87 45.5 32.1 48.1

59 16.8 11.9 17.9

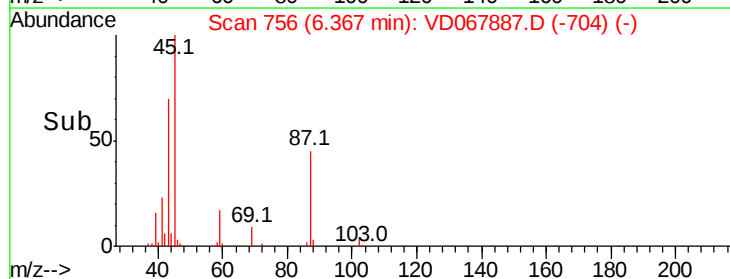
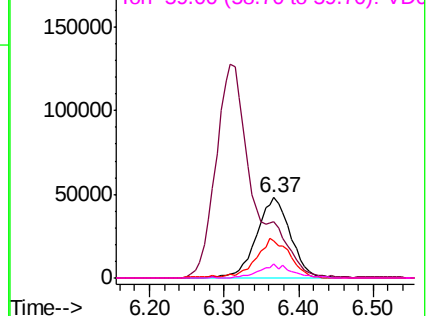


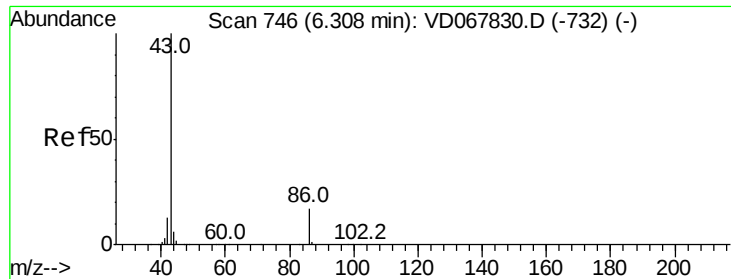
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 238.297 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

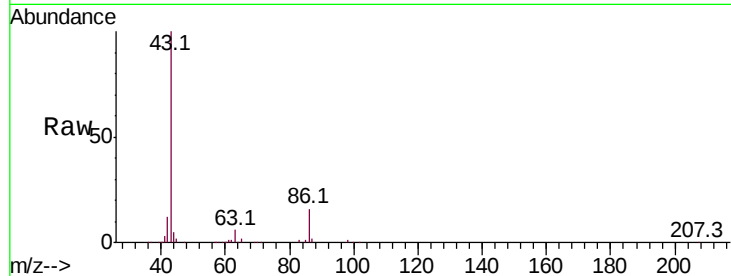
VSTDCCC050EC

Tot Ion: 43 Resp: 453271

Ion Ratio Lower Upper

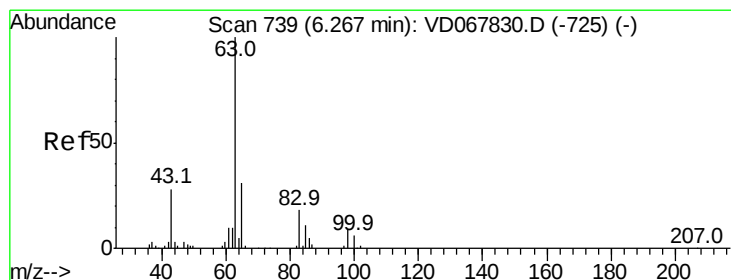
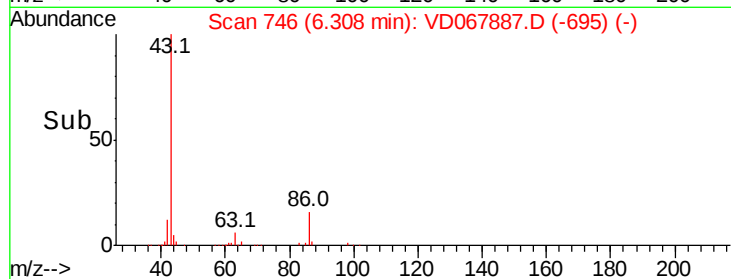
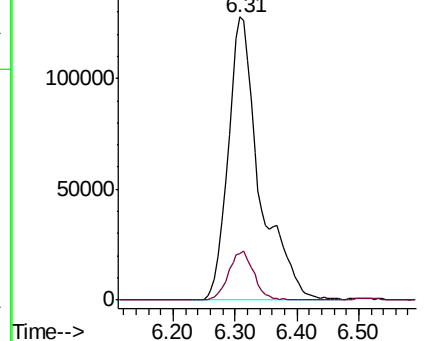
43 100

86 16.3 13.8 20.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 45.680 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

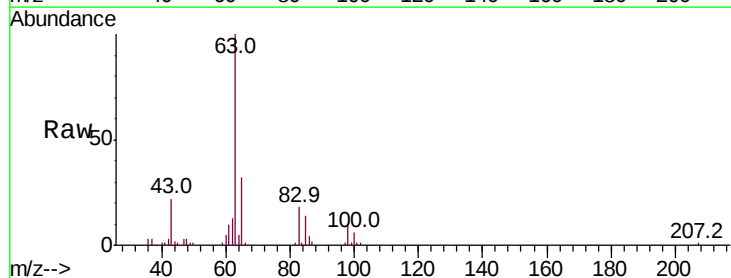
Tgt Ion: 63 Resp: 136913

Ion Ratio Lower Upper

63 100

98 8.7 4.5 13.5

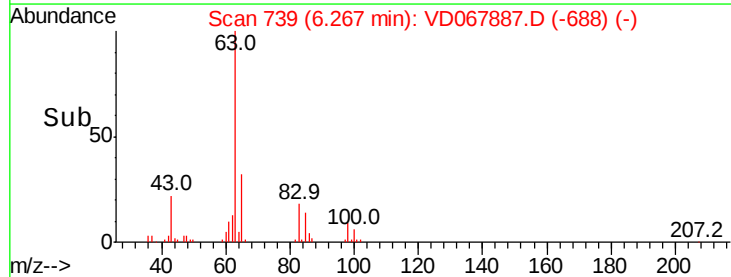
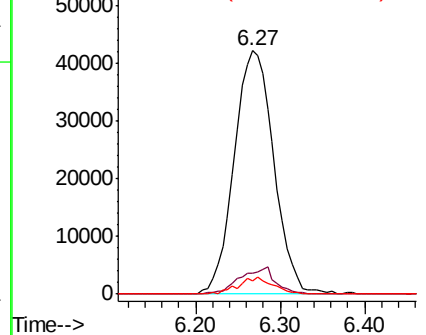
100 5.6 3.0 9.2

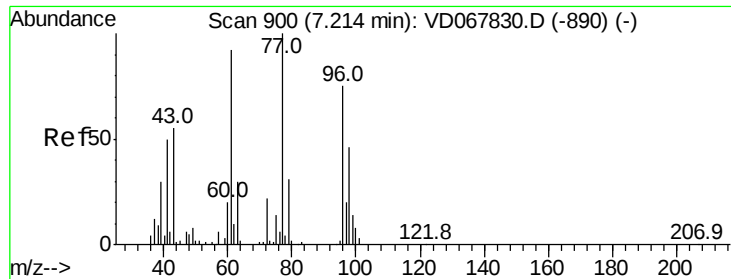


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 215.187 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

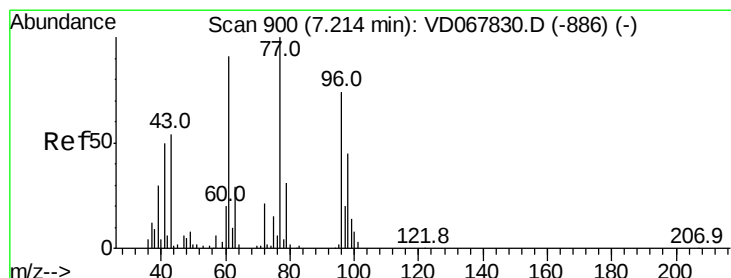
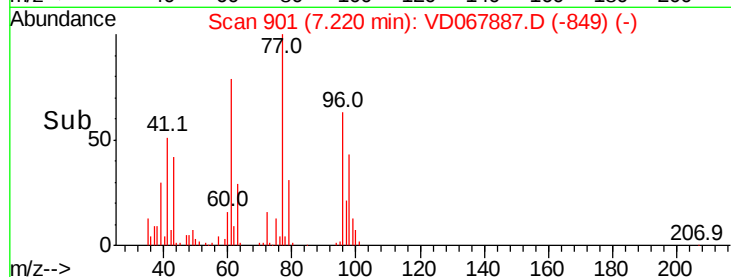
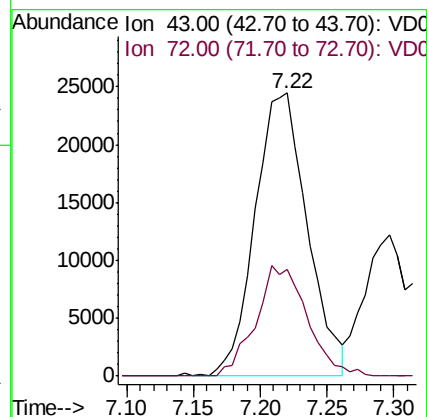
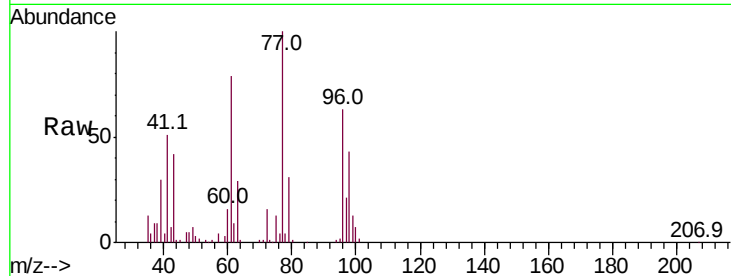
VSTDCCC050EC

Tot Ion: 43 Resp: 66584

Ion Ratio Lower Upper

43 100

72 37.5 31.3 46.9



#26

2,2-Dichloropropane

Concen: 48.778 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067887.D

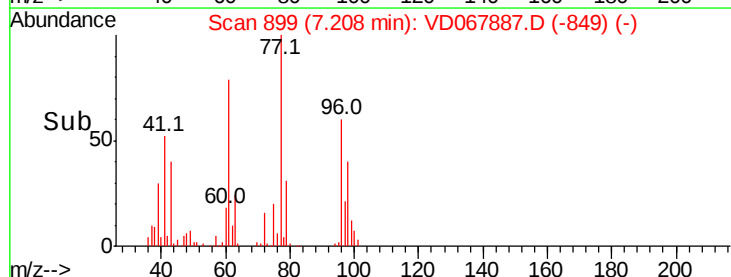
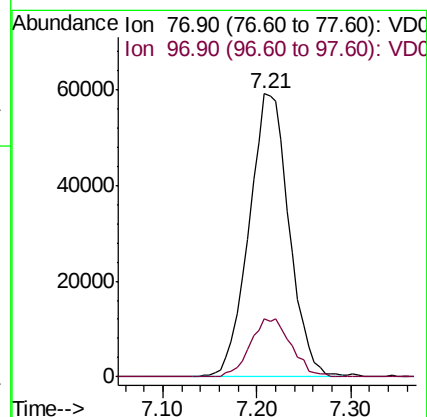
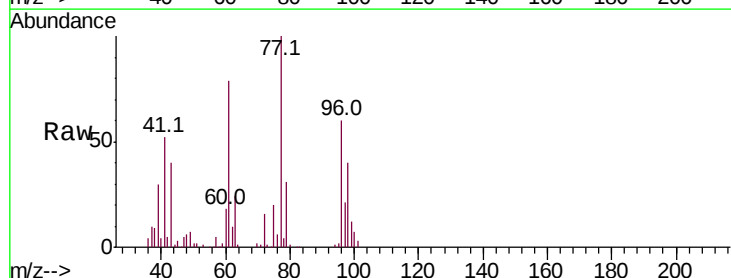
Acq: 04 Dec 2020 15:58

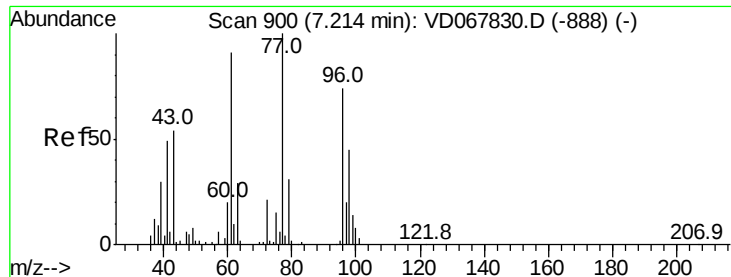
Tgt Ion: 77 Resp: 174336

Ion Ratio Lower Upper

77 100

97 20.9 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 45.588 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

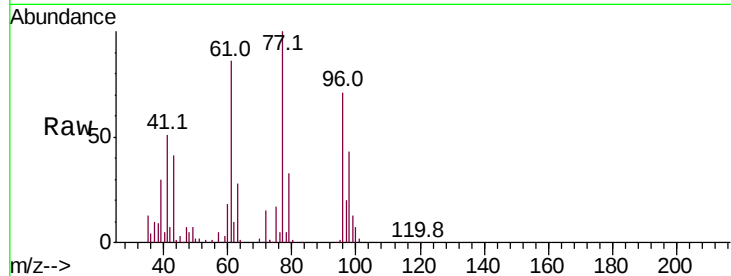
Tot Ion: 96 Resp: 104269

Ion Ratio Lower Upper

96 100

61 127.2 0.0 248.4

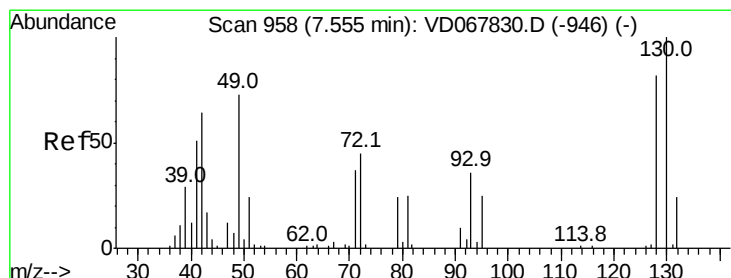
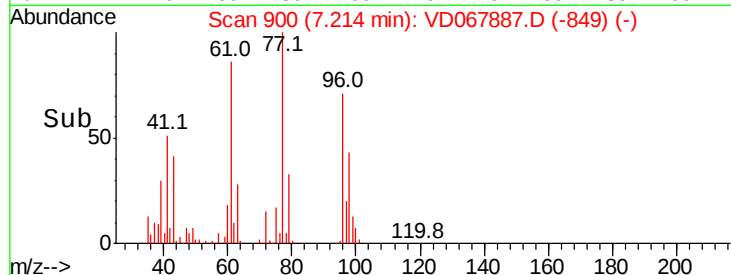
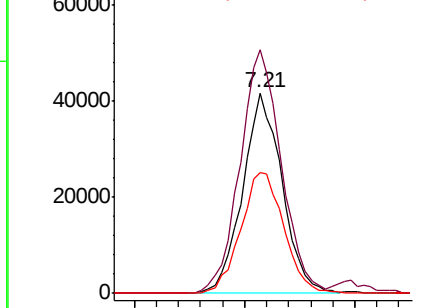
98 65.8 0.0 127.4



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#28

Bromochloromethane

Concen: 46.447 ug/l

RT: 7.55 min Scan# 957

Delta R.T. -0.01 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

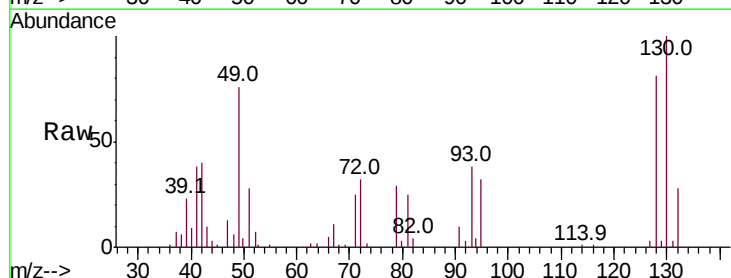
Tgt Ion: 49 Resp: 44199

Ion Ratio Lower Upper

49 100

129 3.3 0.0 3.4

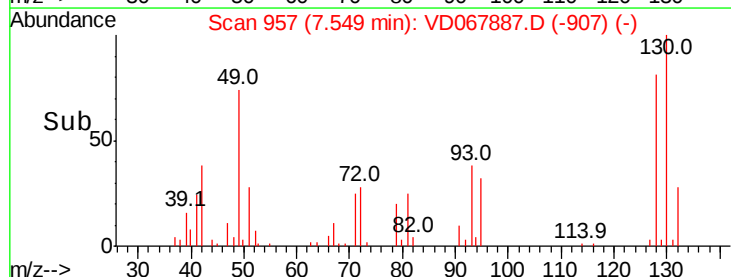
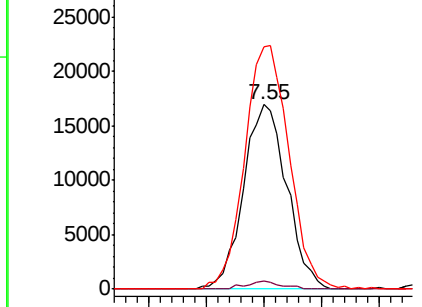
130 135.7 110.2 165.2

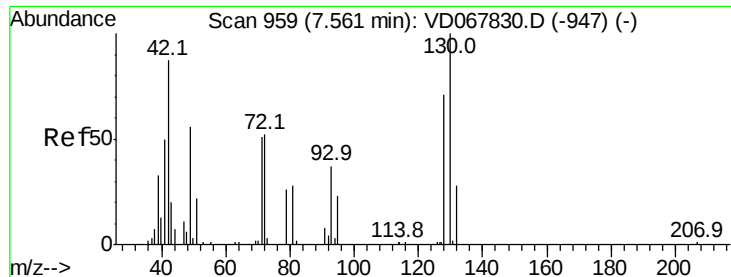


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

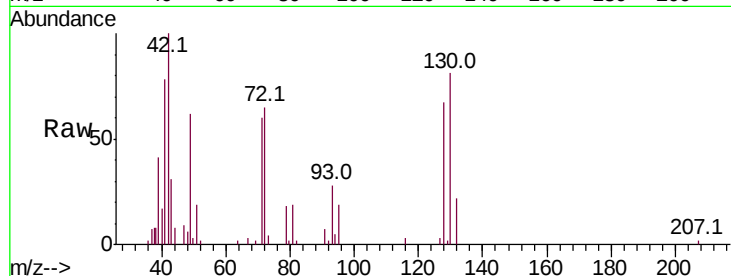




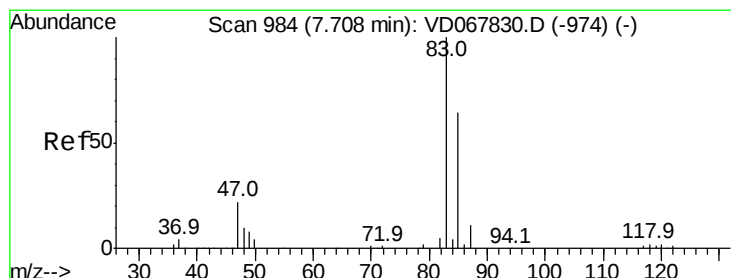
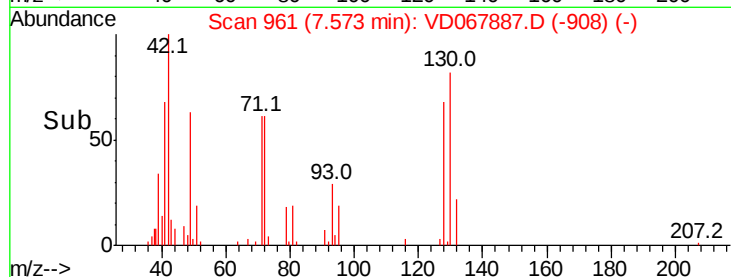
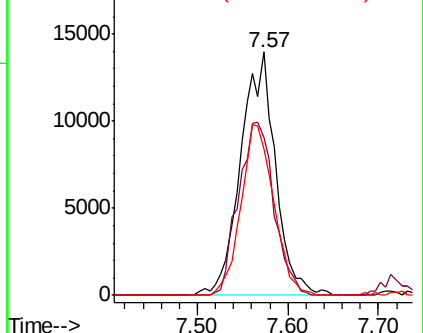
#29
Tetrahydrofuran
Concen: 210.868 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 42 Resp: 37151
Ion Ratio Lower Upper
42 100
72 72.3 51.9 77.9
71 66.2 48.2 72.4

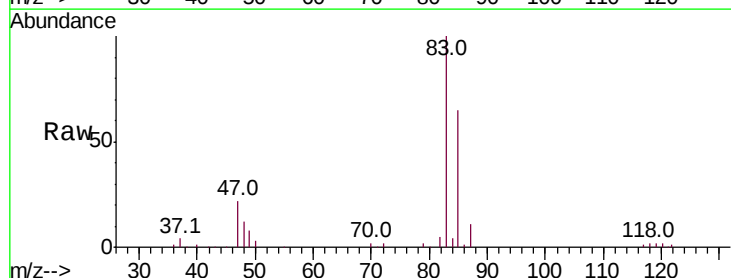


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

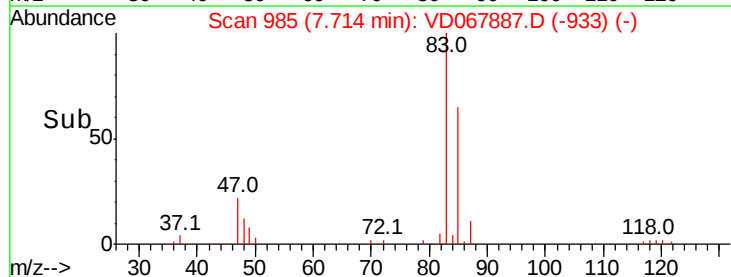
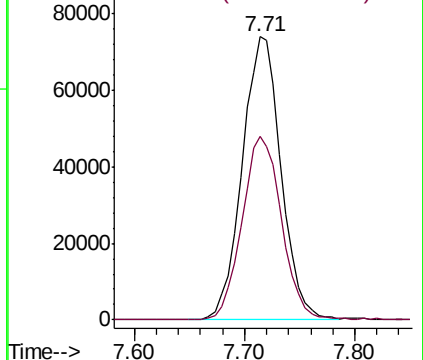


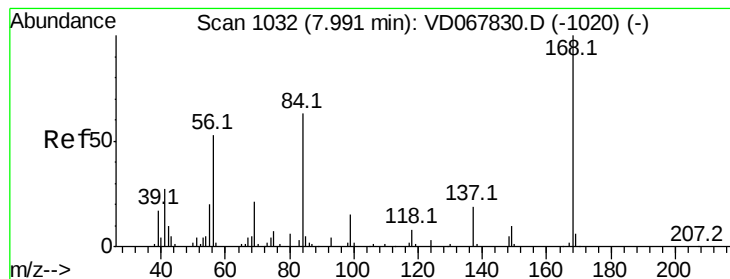
#30
Chloroform
Concen: 45.564 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Tgt Ion: 83 Resp: 182503
Ion Ratio Lower Upper
83 100
85 64.7 51.0 76.4



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 41.130 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

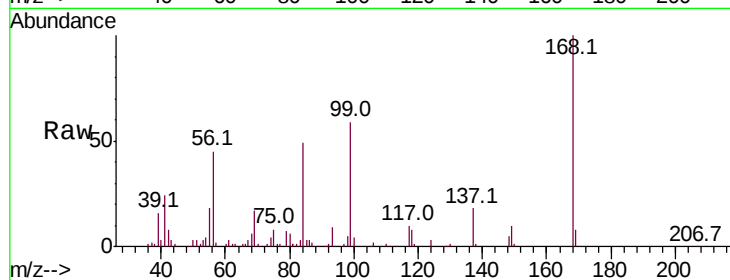
Tot Ion: 56 Resp: 103163

Ion Ratio Lower Upper

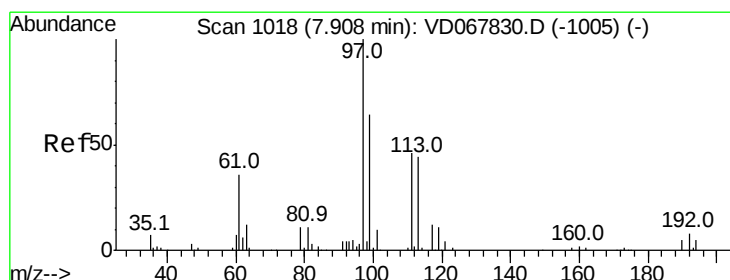
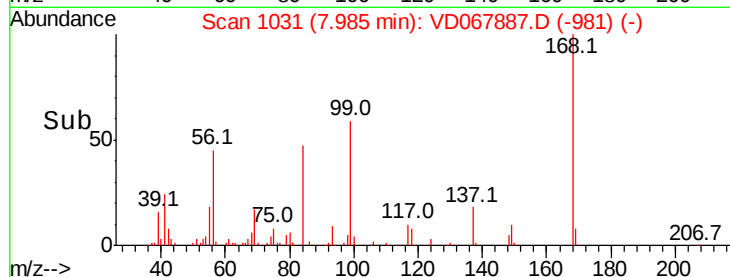
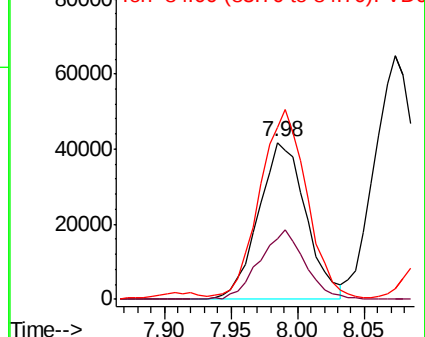
56 100

69 38.6 32.1 48.1

84 105.2 93.2 139.8



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 47.182 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

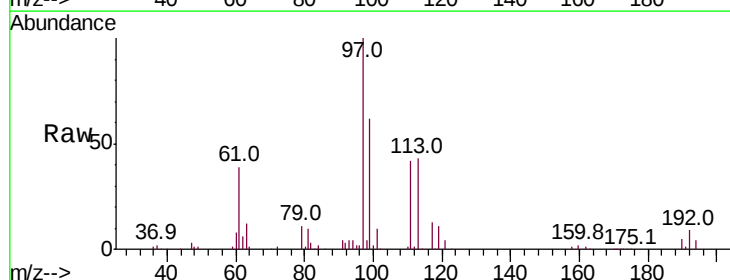
Tgt Ion: 97 Resp: 199494

Ion Ratio Lower Upper

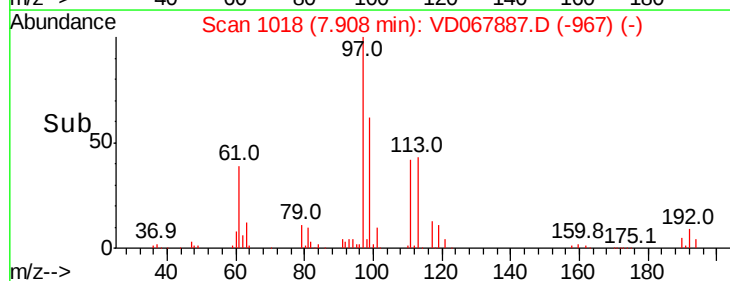
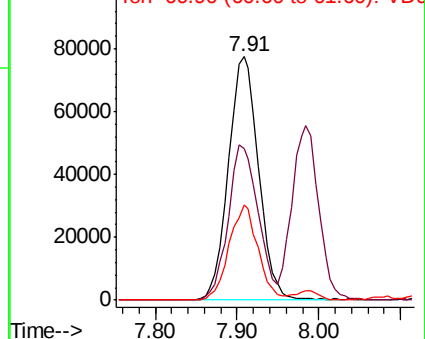
97 100

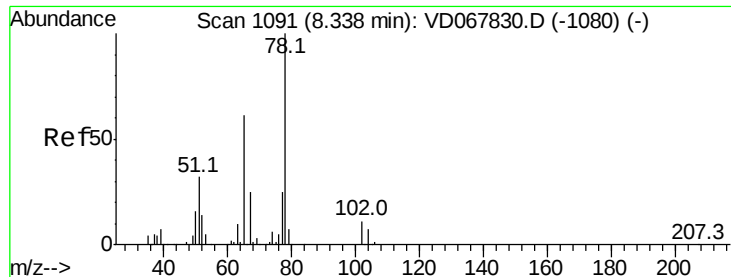
99 63.5 51.4 77.2

61 37.6 30.8 46.2



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC

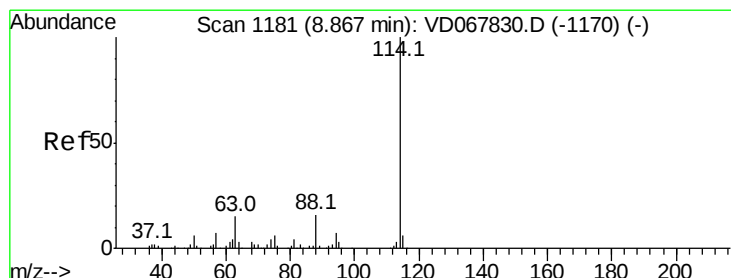
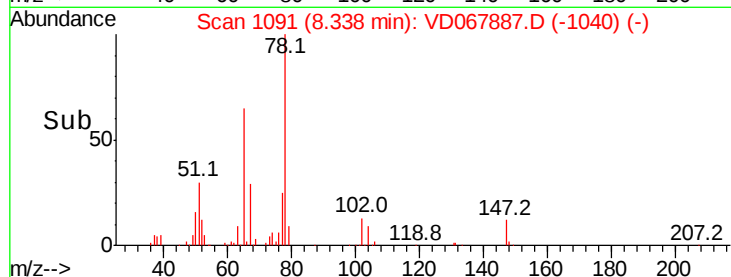
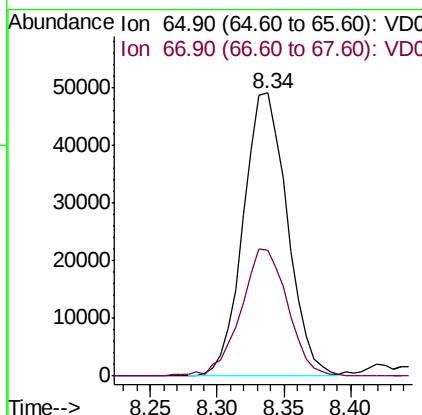
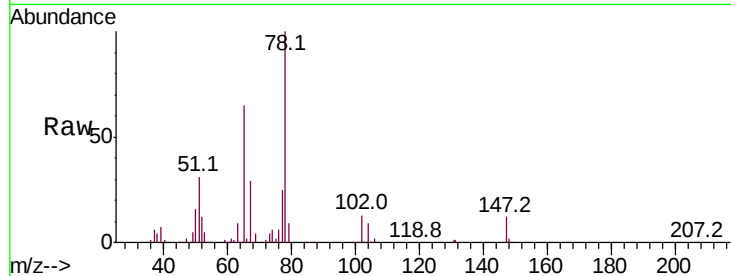




#33
 1,2-Dichloroethane-d4
 Concen: 47.141 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD067887.D
 Acq: 04 Dec 2020 15:58

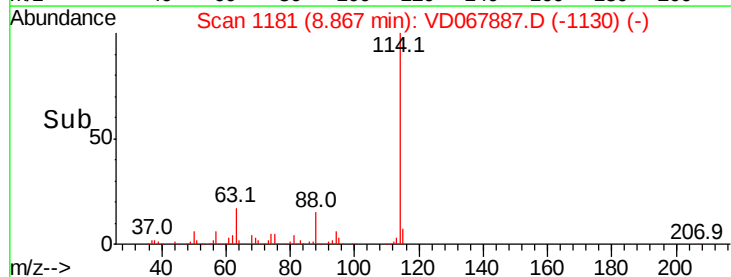
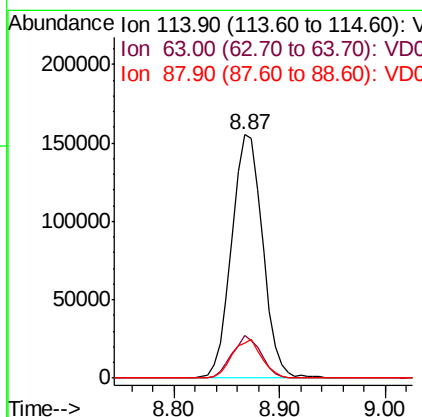
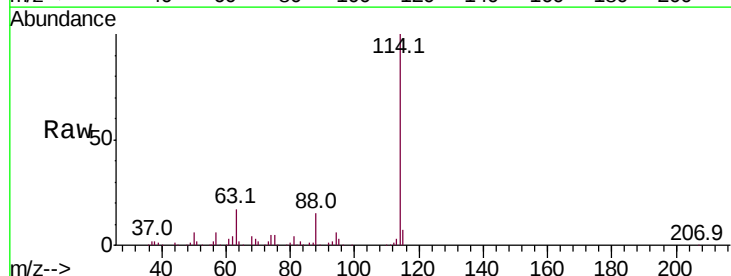
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

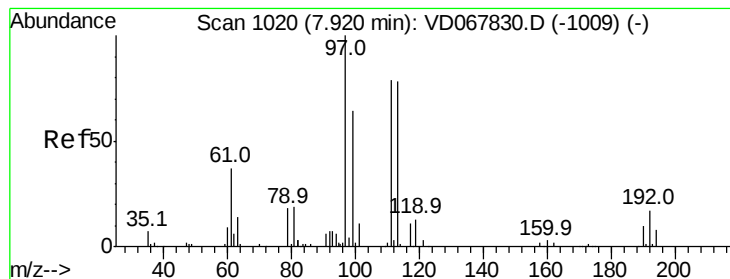
Tot Ion: 65 Resp: 112229
 Ion Ratio Lower Upper
 65 100
 67 47.7 0.0 92.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD067887.D
 Acq: 04 Dec 2020 15:58

Tgt Ion: 114 Resp: 315596
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 30.8
 88 14.6 0.0 31.8





#35

Dibromofluoromethane

Concen: 47.715 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

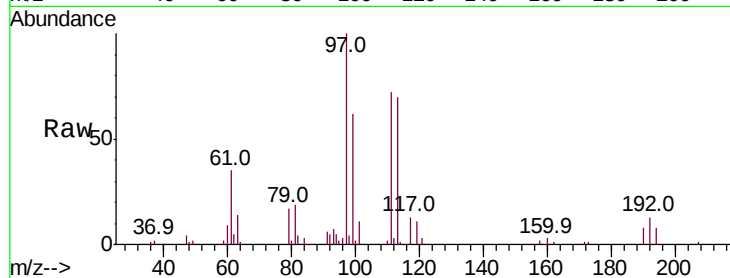
Tot Ion:113 Resp: 100765

Ion Ratio Lower Upper

113 100

111 101.9 81.2 121.8

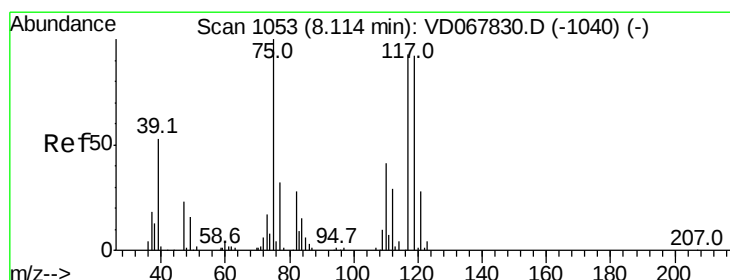
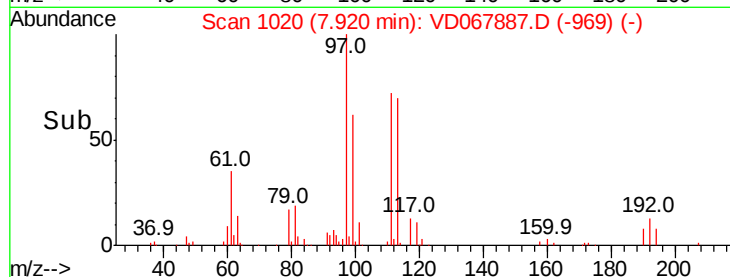
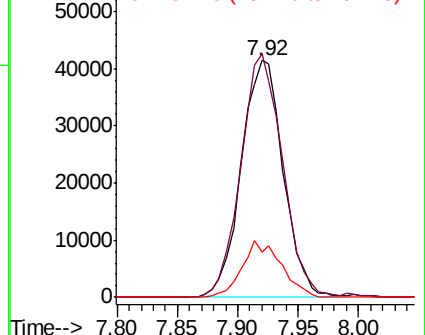
192 22.4 16.8 25.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 45.913 ug/l

RT: 8.12 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

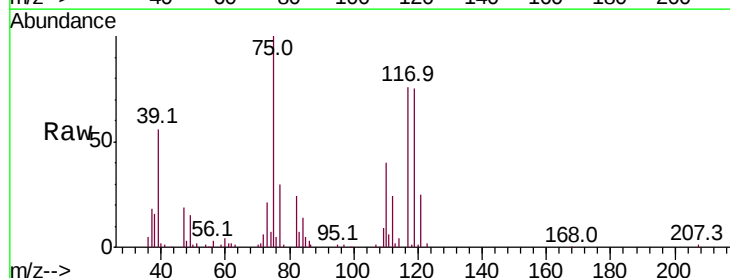
Tgt Ion: 75 Resp: 125439

Ion Ratio Lower Upper

75 100

110 41.3 20.3 61.0

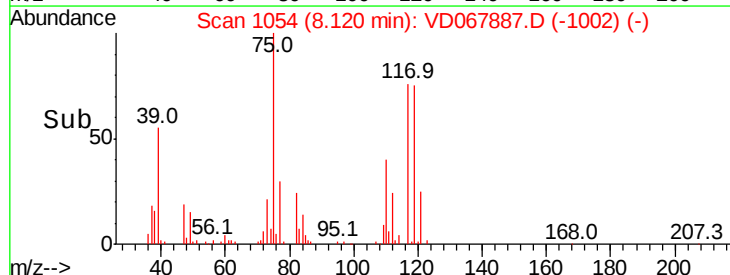
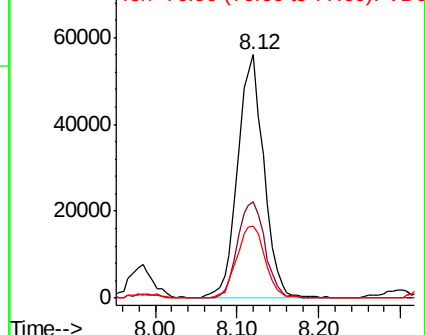
77 31.9 24.7 37.1

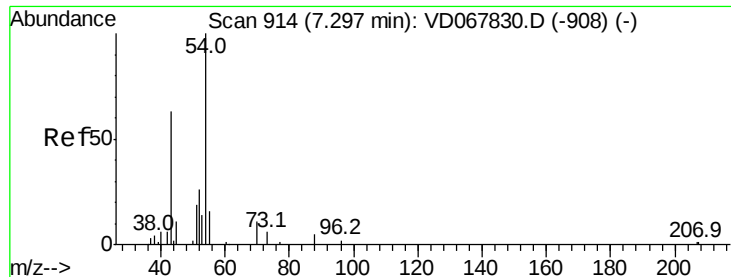


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 43.545 ug/l

RT: 7.30 min Scan# 914

Delta R.T. -0.00 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

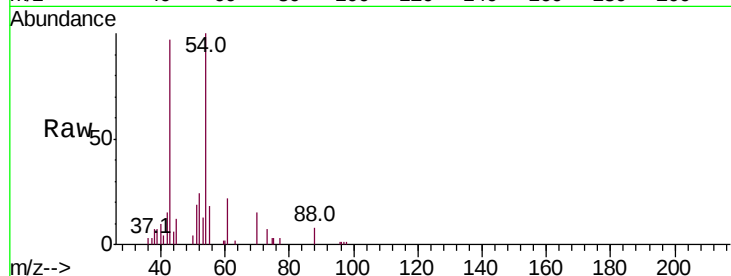
Tot Ion: 43 Resp: 32064

Ion Ratio Lower Upper

43 100

61 17.5 11.4 17.2#

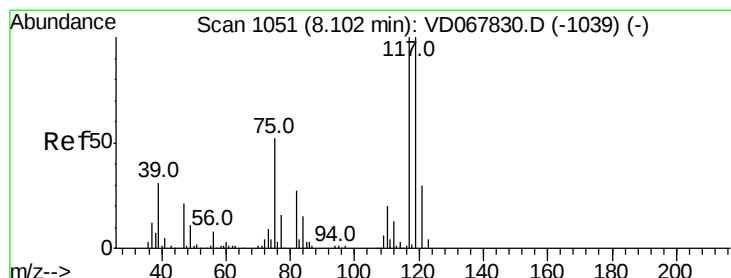
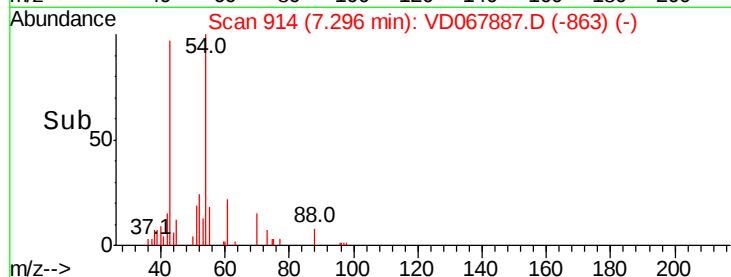
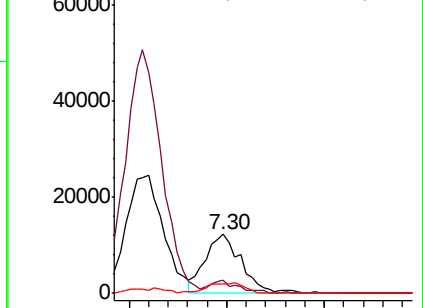
70 17.3 11.5 17.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 47.595 ug/l

RT: 8.10 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

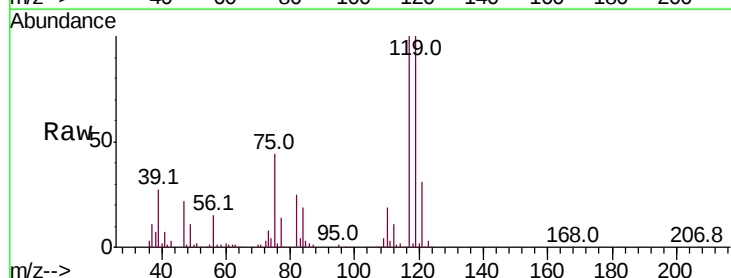
Tgt Ion: 117 Resp: 196747

Ion Ratio Lower Upper

117 100

119 100.1 79.7 119.5

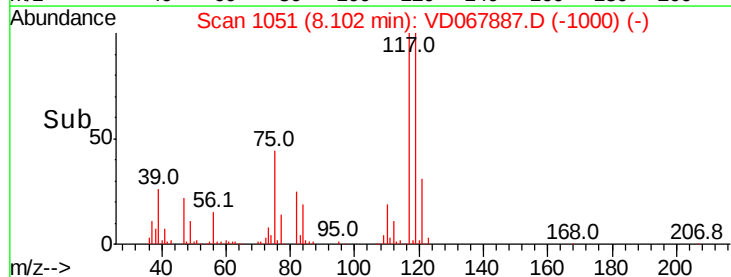
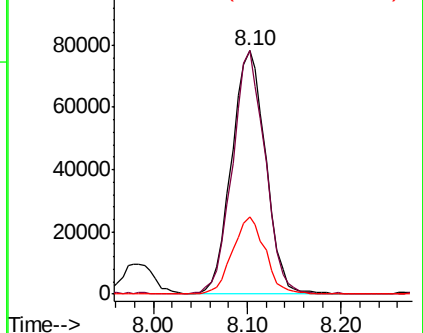
121 31.5 23.8 35.6

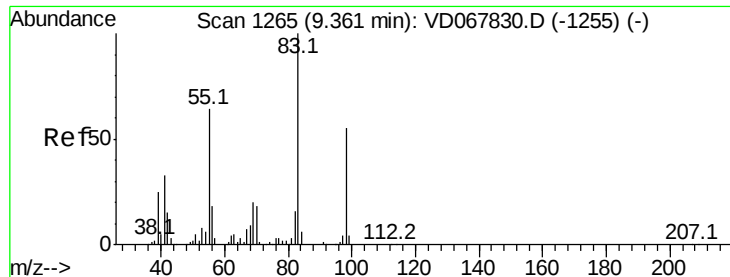


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

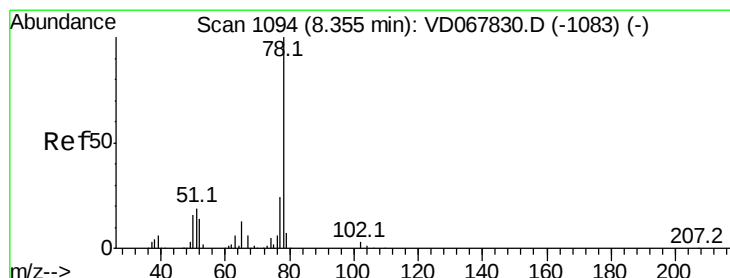
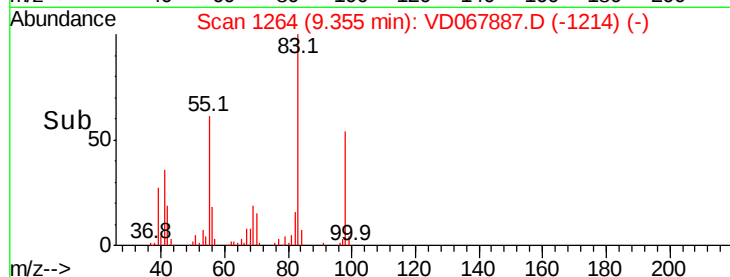
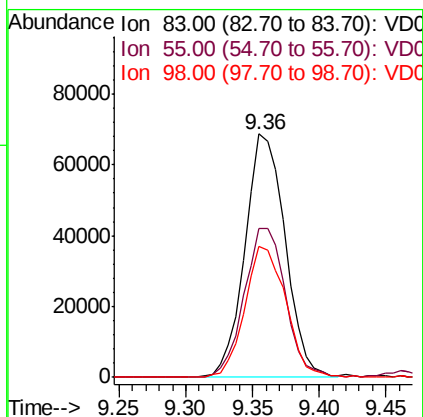
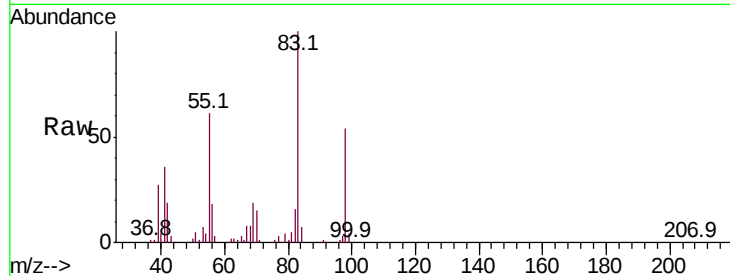




#39
Methvlcvclohexane
Concen: 44.354 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

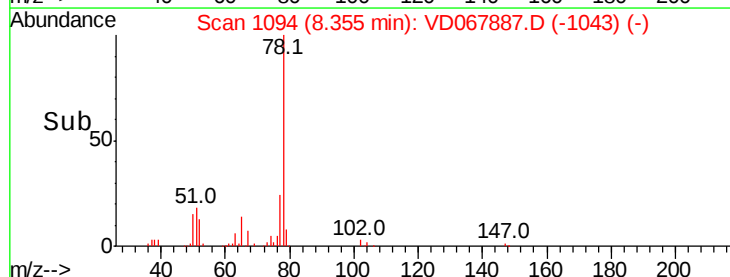
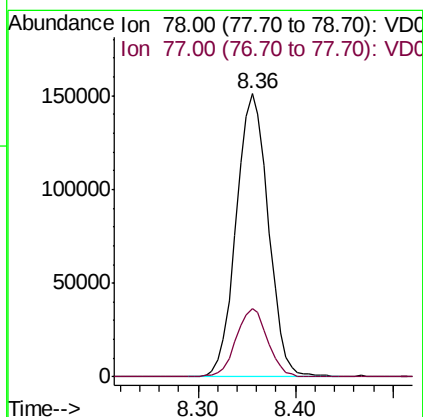
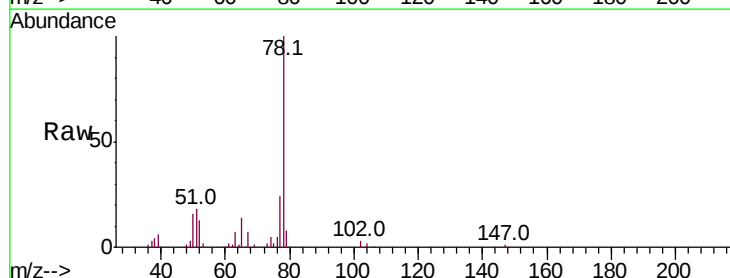
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

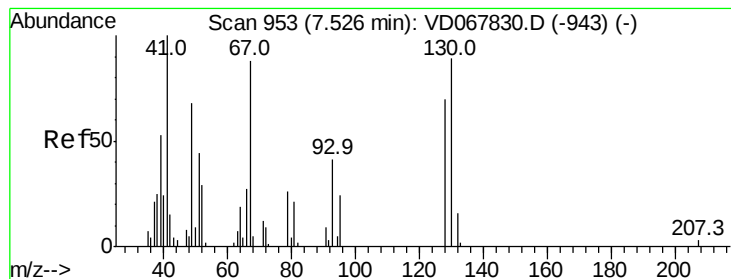
Tot Ion: 83 Resp: 143602
Ion Ratio Lower Upper
83 100
55 61.2 51.6 77.4
98 53.6 44.3 66.5



#40
Benzene
Concen: 46.222 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Tgt Ion: 78 Resp: 345546
Ion Ratio Lower Upper
78 100
77 24.2 19.1 28.7





#41

Methacrylonitrile

Concen: 57.429 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 19849

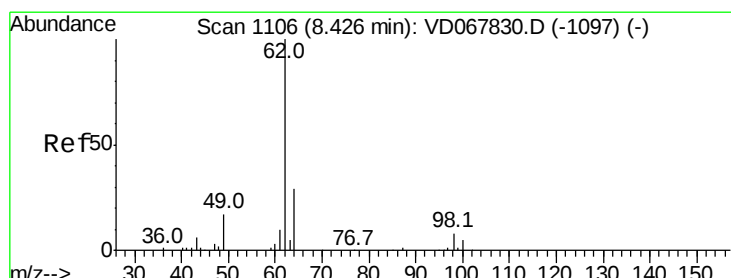
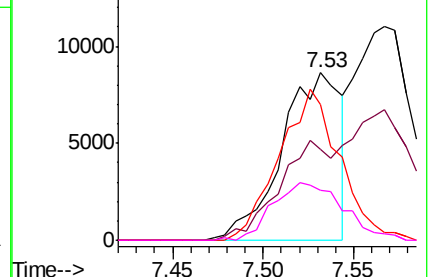
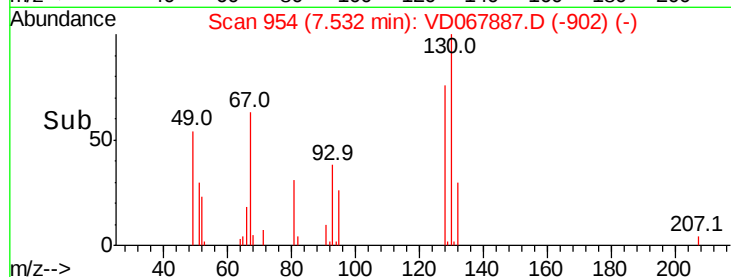
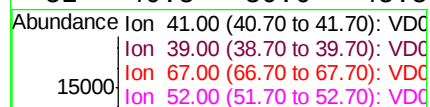
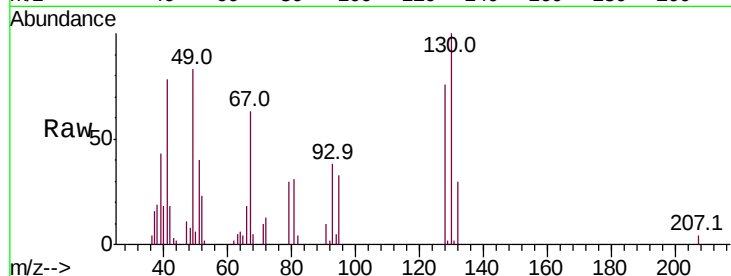
Ion Ratio Lower Upper

41 100

39 51.8 42.1 63.1

67 91.9 82.4 123.6

52 40.8 30.6 45.8



#42

1,2-Dichloroethane

Concen: 47.185 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD067887.D

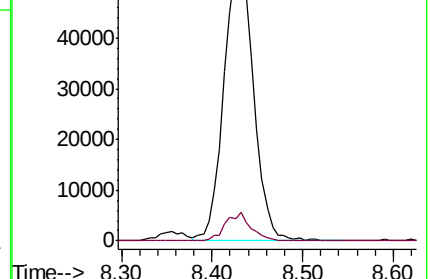
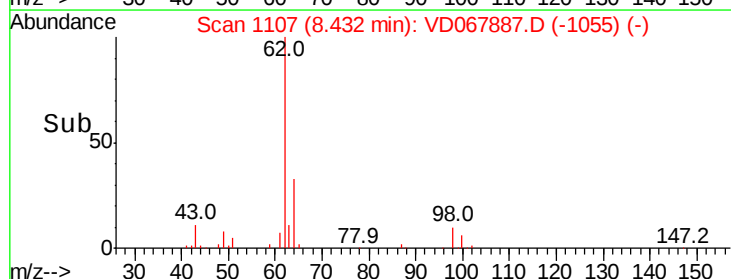
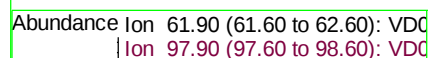
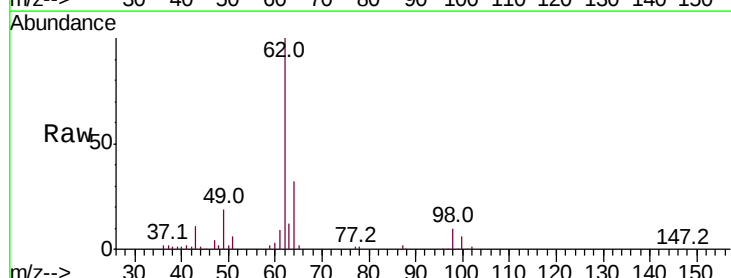
Acq: 04 Dec 2020 15:58

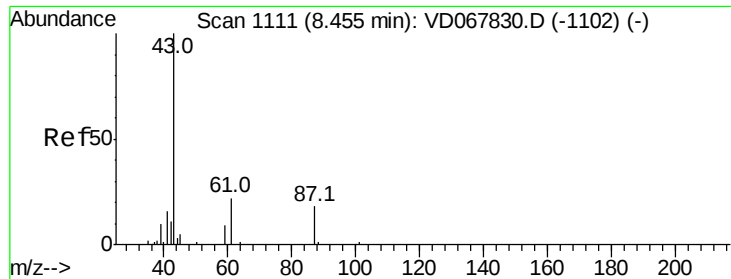
Tgt Ion: 62 Resp: 125719

Ion Ratio Lower Upper

62 100

98 8.6 0.0 17.2





#43

Isopropyl Acetate

Concen: 43.343 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

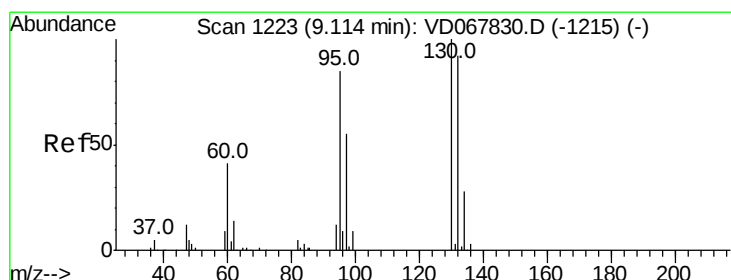
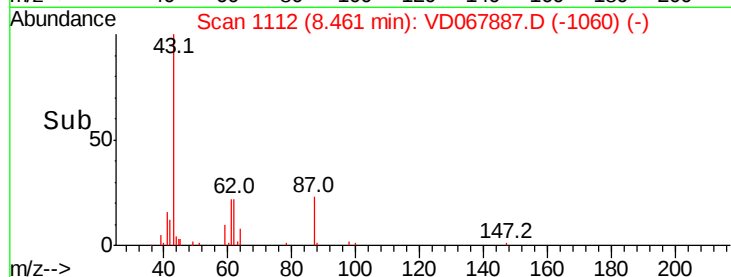
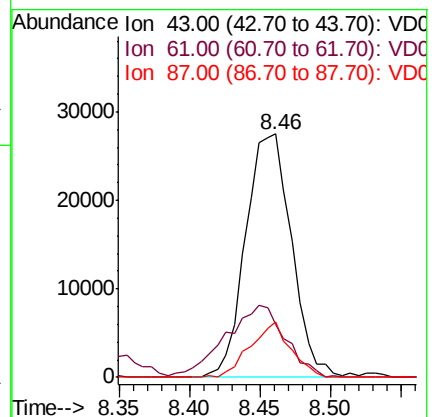
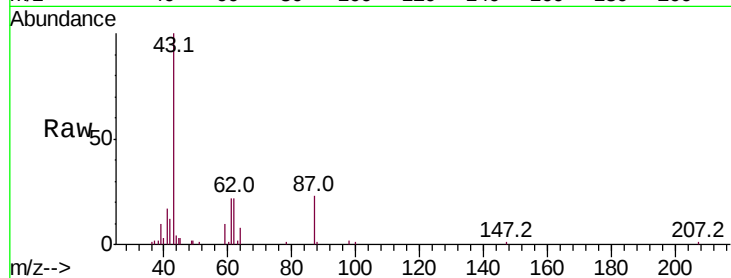
Tot Ion: 43 Resp: 62797

Ion Ratio Lower Upper

43 100

61 38.4 30.4 45.6

87 19.9 16.2 24.2



#44

Trichloroethene

Concen: 45.427 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD067887.D

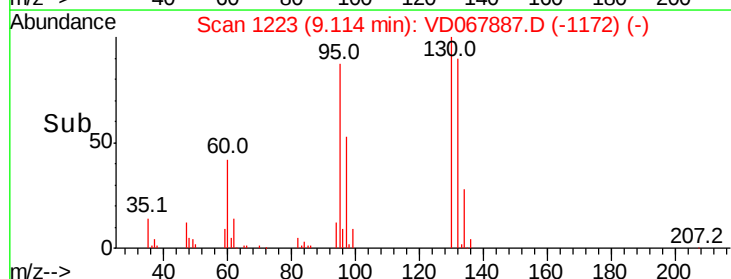
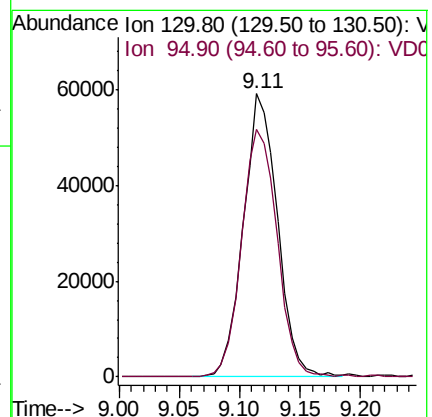
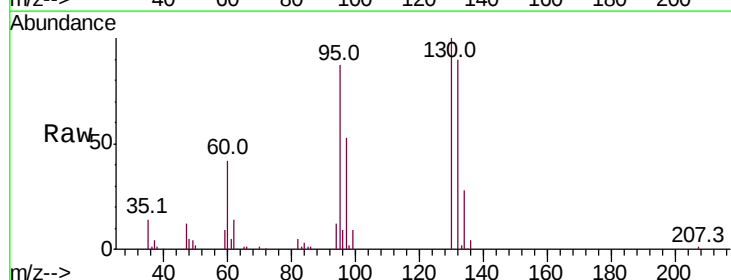
Acq: 04 Dec 2020 15:58

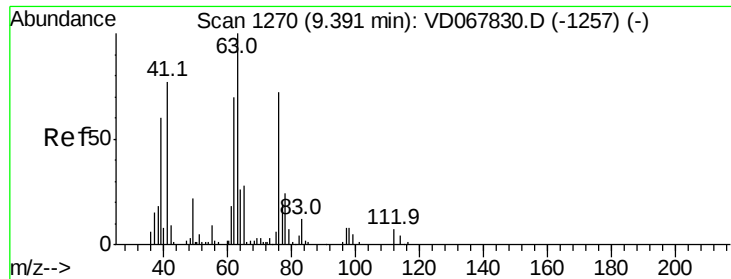
Tgt Ion:130 Resp: 116760

Ion Ratio Lower Upper

130 100

95 87.3 0.0 170.2





#45

1,2-Dichloropropane

Concen: 43.199 ug/l

RT: 9.40 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

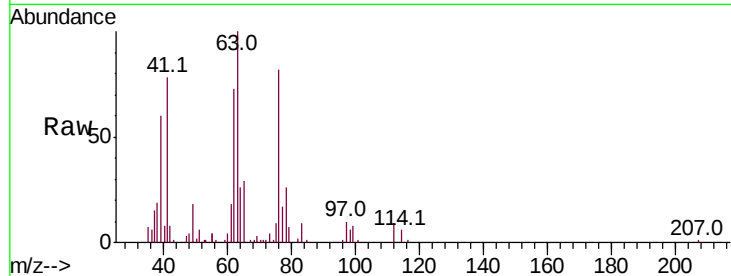
VSTDCCC050EC

Tot Ion: 63 Resp: 66283

Ion Ratio Lower Upper

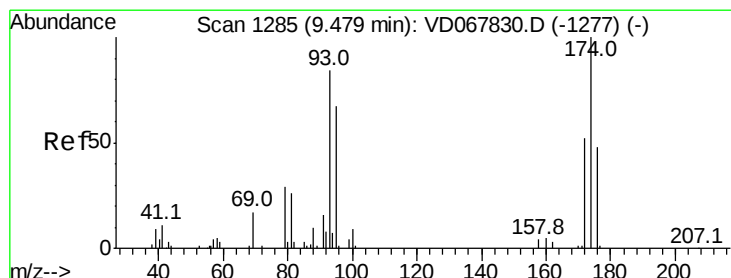
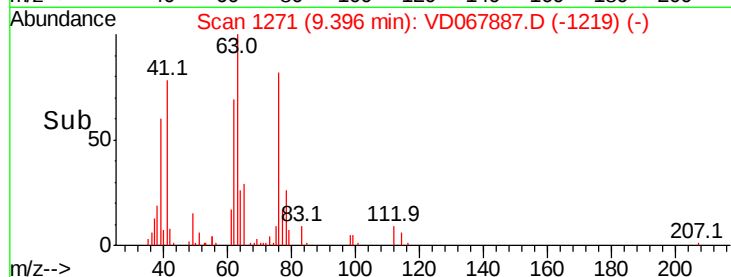
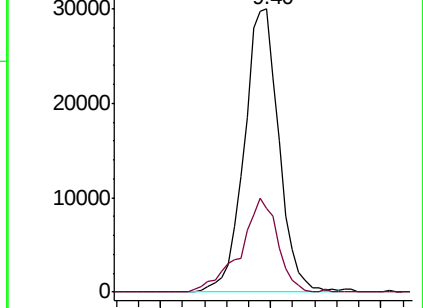
63 100

65 29.4 22.8 34.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 45.432 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

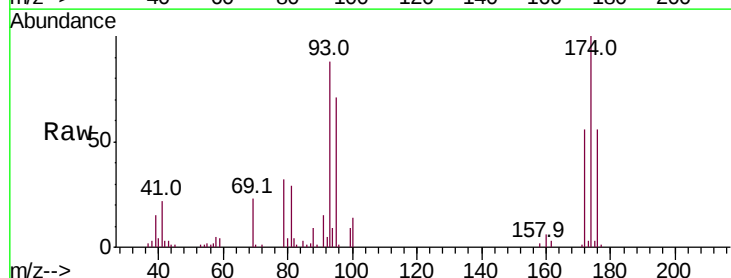
Tgt Ion: 93 Resp: 48467

Ion Ratio Lower Upper

93 100

95 83.9 64.2 96.4

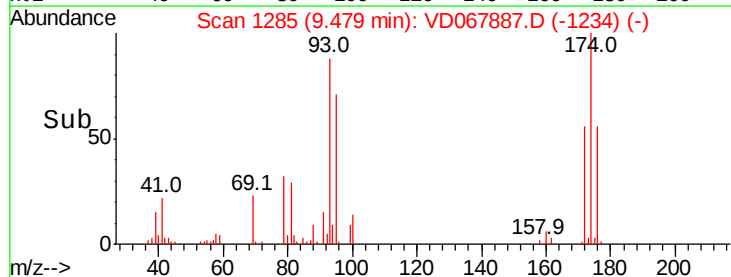
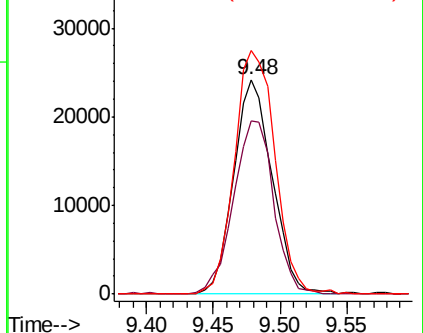
174 119.4 91.5 137.3

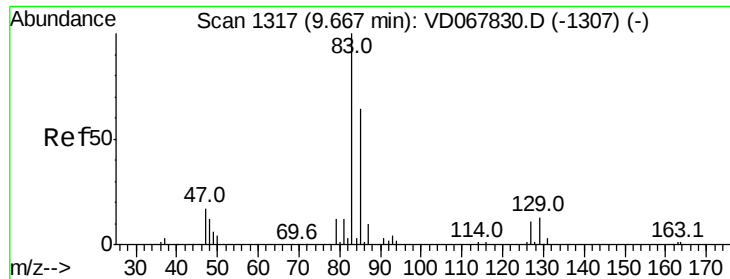


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 46.089 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

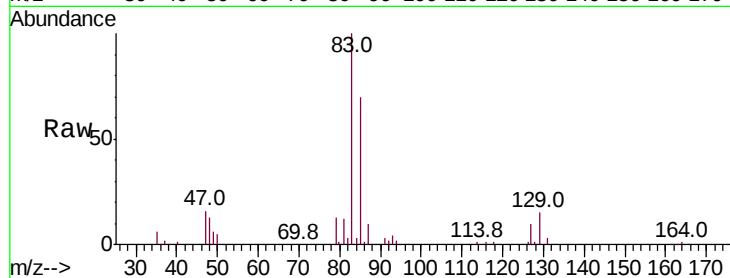
Tot Ion: 83 Resp: 140169

Ion Ratio Lower Upper

83 100

85 69.5 51.4 77.0

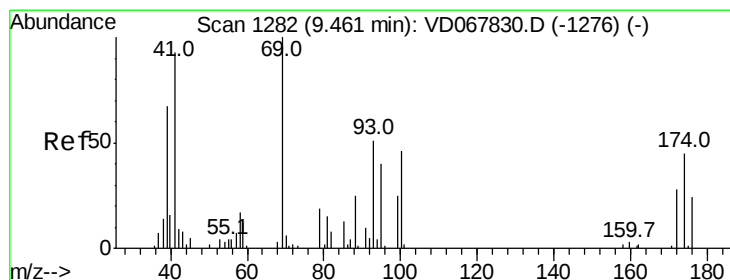
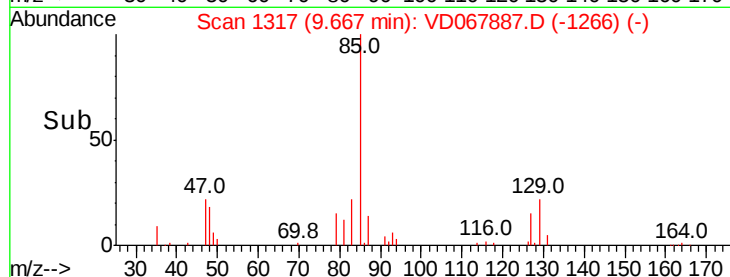
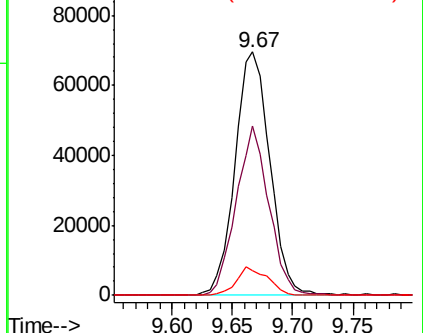
127 10.3 8.5 12.7



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 42.071 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

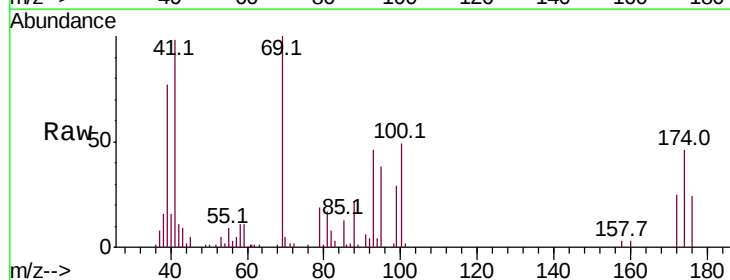
Tgt Ion: 41 Resp: 30951

Ion Ratio Lower Upper

41 100

69 113.1 87.6 131.4

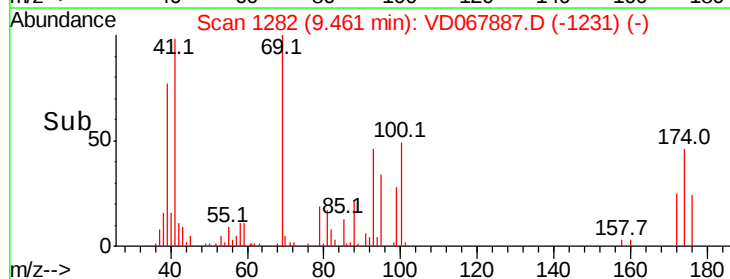
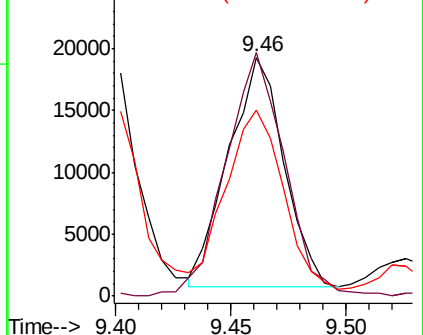
39 81.1 61.2 91.8

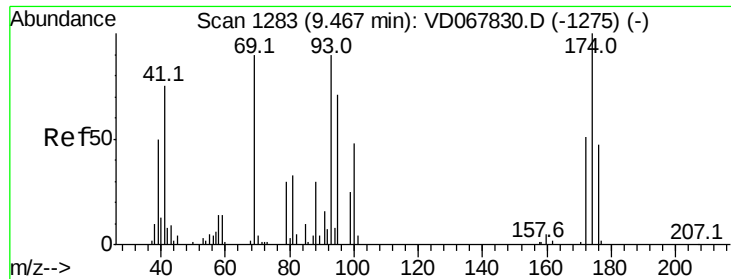


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#49

1,4-Dioxane

Concen: 812.642 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

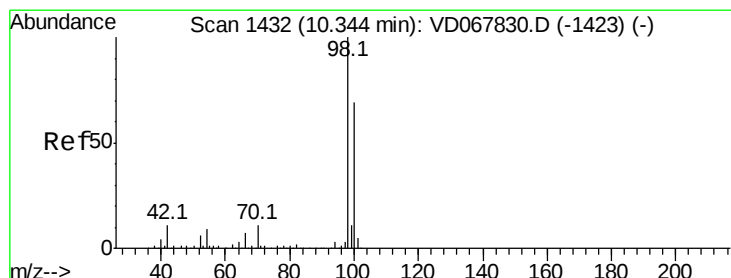
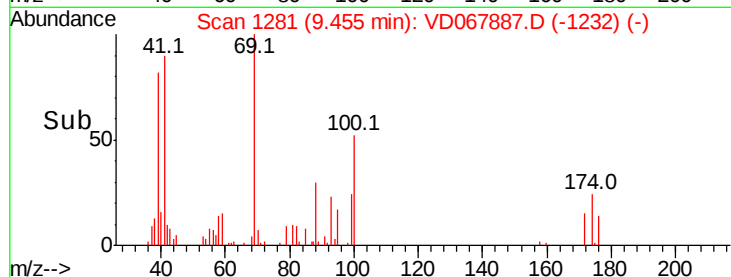
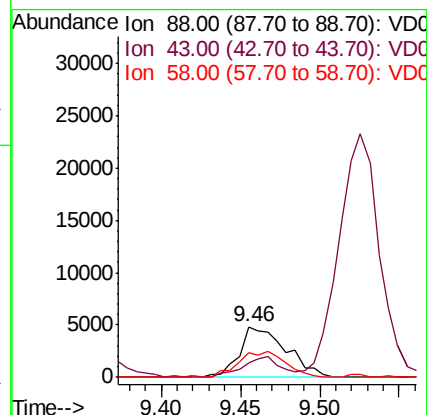
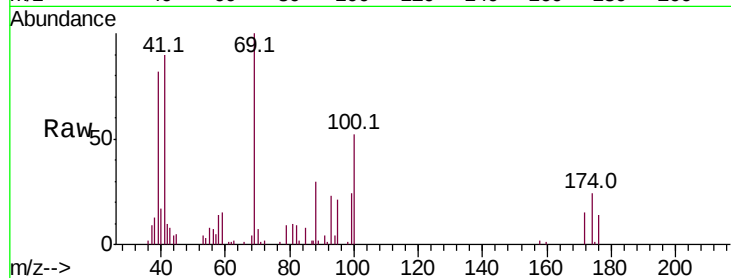
Tot Ion: 88 Resp: 9906

Ion Ratio Lower Upper

88 100

43 33.0 30.1 45.1

58 52.0 42.4 63.6



#50

Toluene-d8

Concen: 48.513 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067887.D

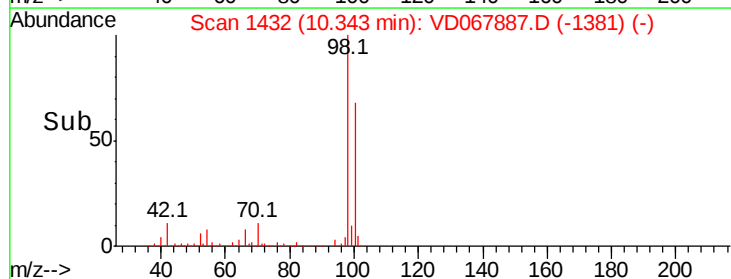
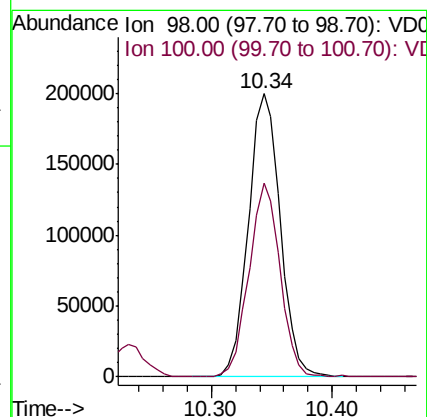
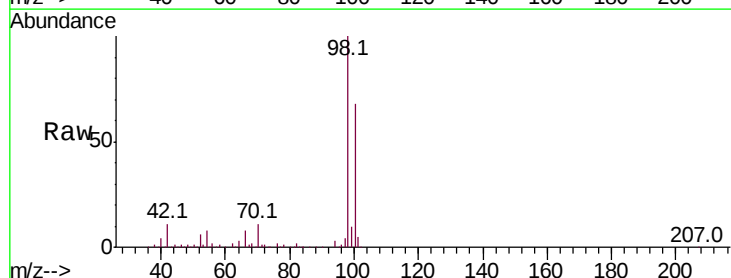
Acq: 04 Dec 2020 15:58

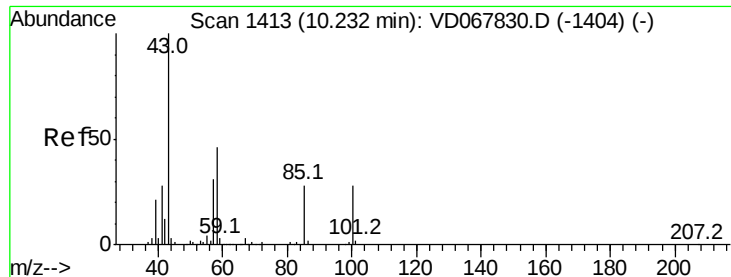
Tgt Ion: 98 Resp: 368796

Ion Ratio Lower Upper

98 100

100 66.8 52.9 79.3





#51

4-Methyl-2-Pentanone

Concen: 221.196 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

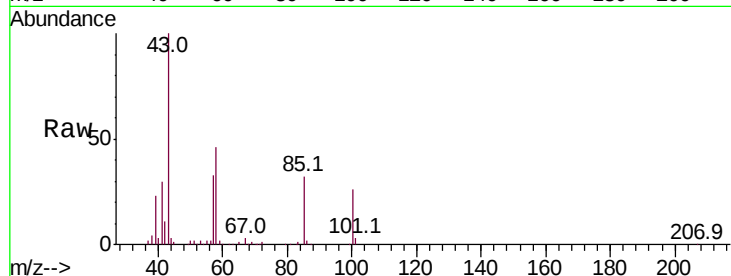
VSTDCCC050EC

Tot Ion: 43 Resp: 151678

Ion Ratio Lower Upper

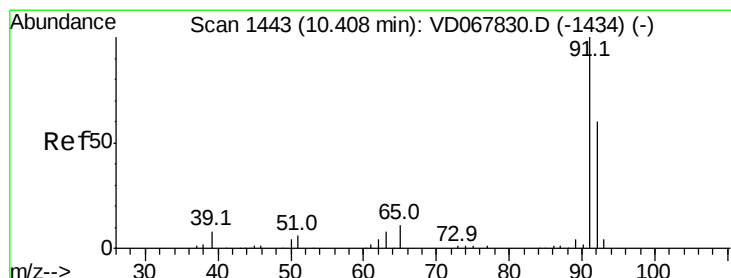
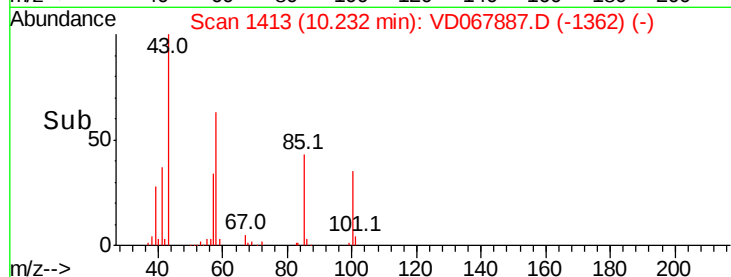
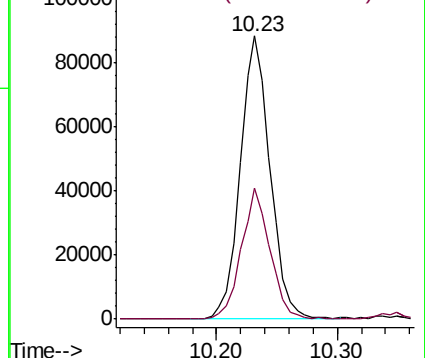
43 100

58 44.5 35.7 53.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 46.967 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD067887.D

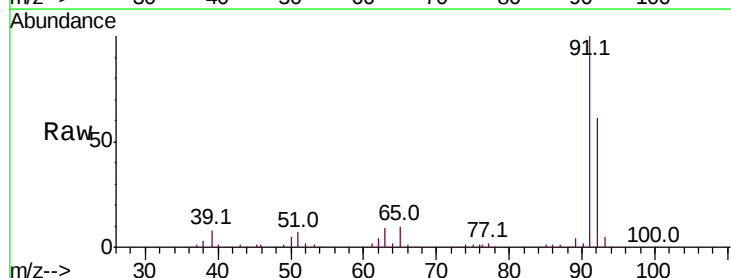
Acq: 04 Dec 2020 15:58

Tgt Ion: 92 Resp: 245481

Ion Ratio Lower Upper

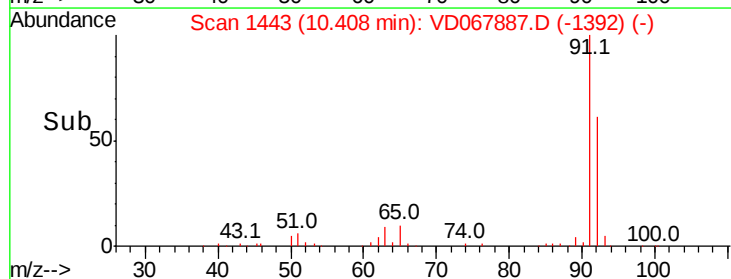
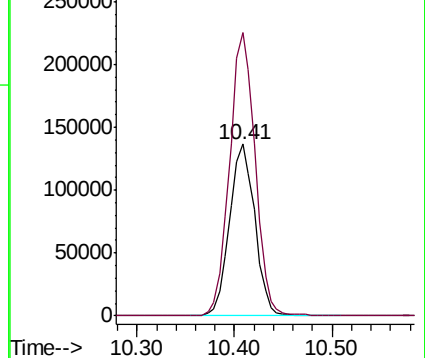
92 100

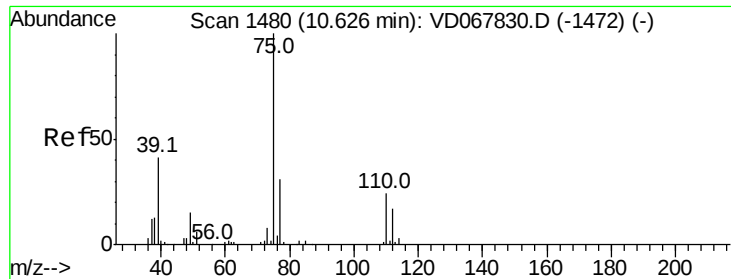
91 166.8 134.2 201.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

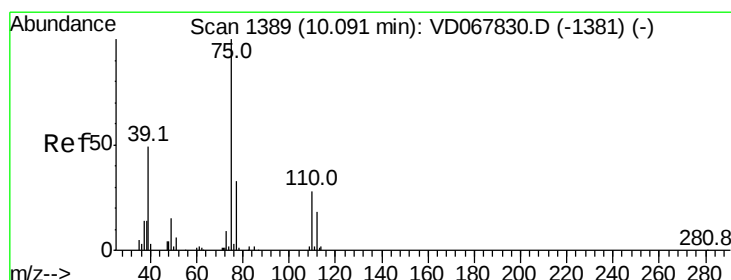
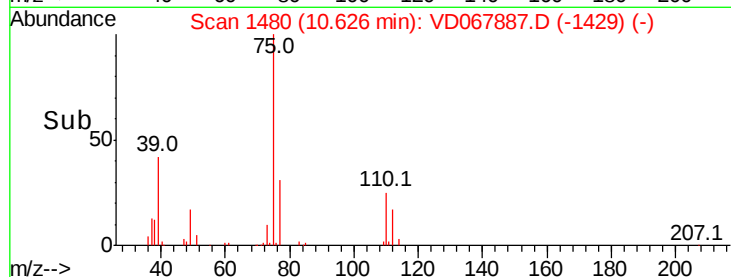
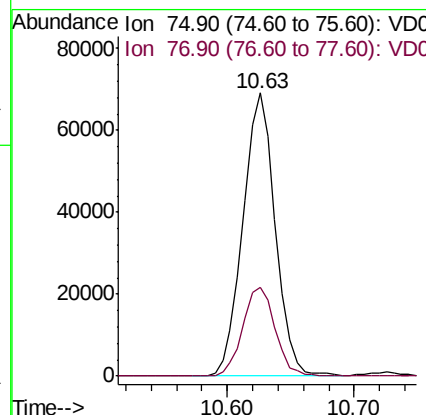
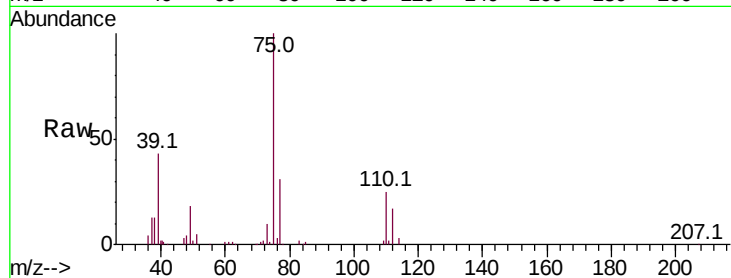




#53
t-1,3-Dichloropropene
Concen: 46.600 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

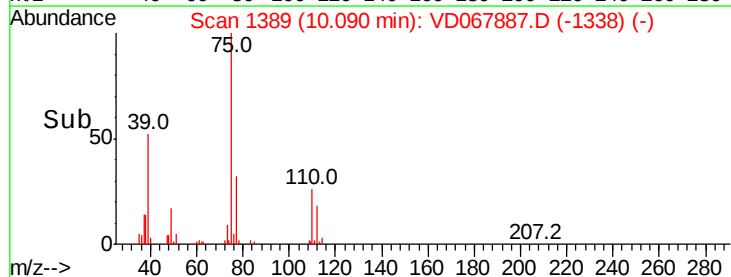
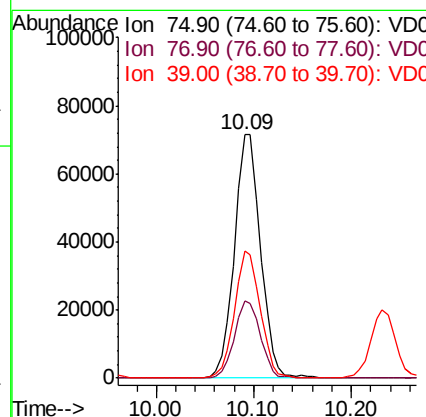
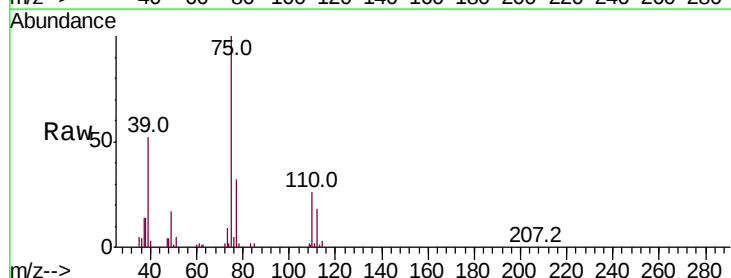
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

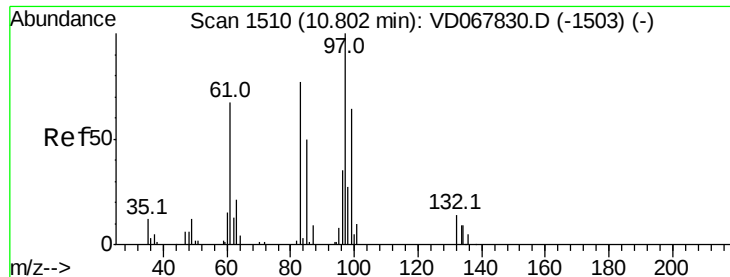
Tot Ion: 75 Resp: 122325
Ion Ratio Lower Upper
75 100
77 31.5 25.0 37.4



#54
cis-1,3-Dichloropropene
Concen: 46.694 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Tgt Ion: 75 Resp: 133326
Ion Ratio Lower Upper
75 100
77 31.7 26.2 39.2
39 52.4 39.0 58.4





#55

1,1,2-Trichloroethane

Concen: 44.920 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 65581

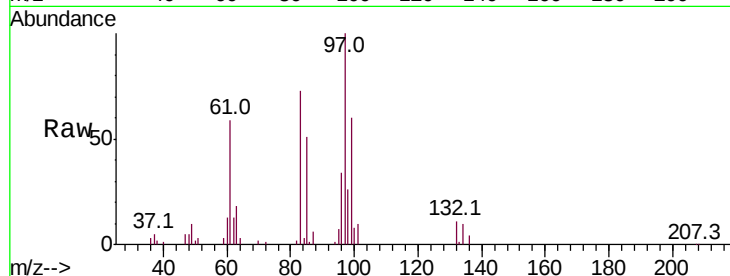
Ion Ratio Lower Upper

97 100

83 73.2 61.9 92.9

85 50.9 40.2 60.4

99 59.7 51.0 76.6

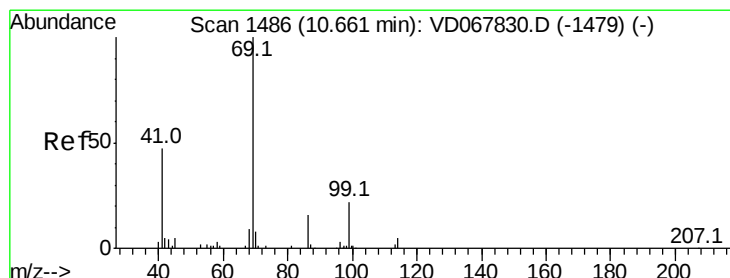
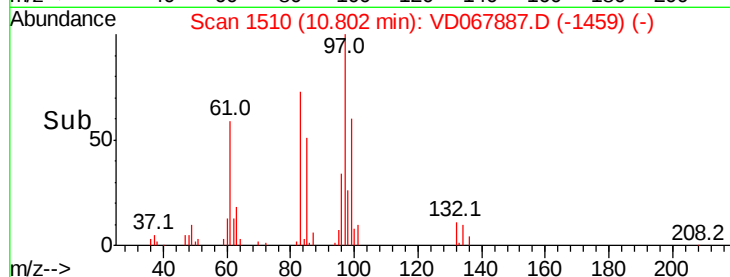
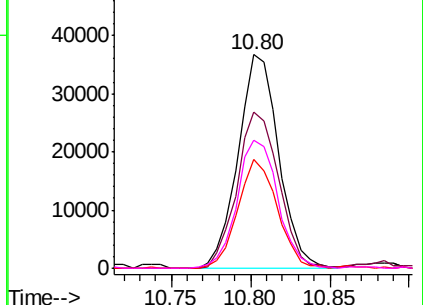


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 45.207 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

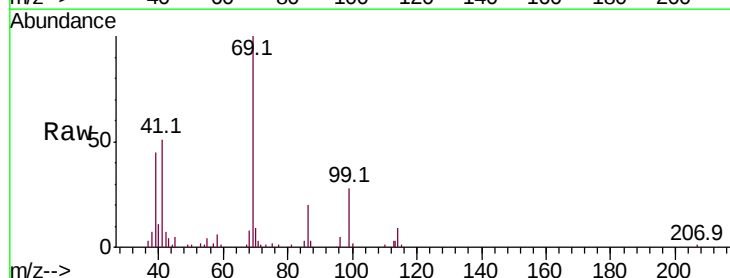
Tgt Ion: 69 Resp: 67150

Ion Ratio Lower Upper

69 100

41 53.7 42.8 64.2

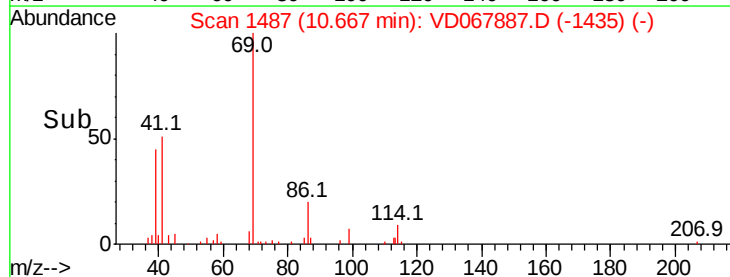
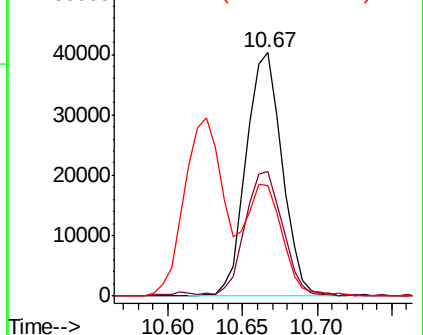
39 42.4 30.5 45.7

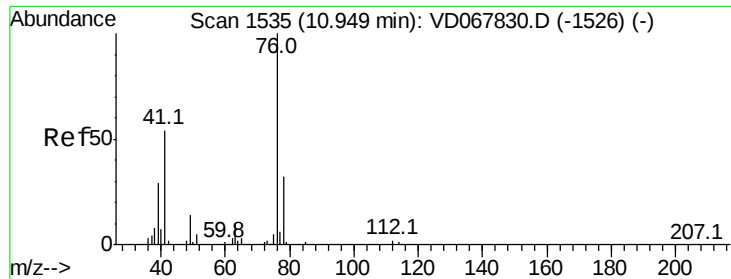


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 43.751 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

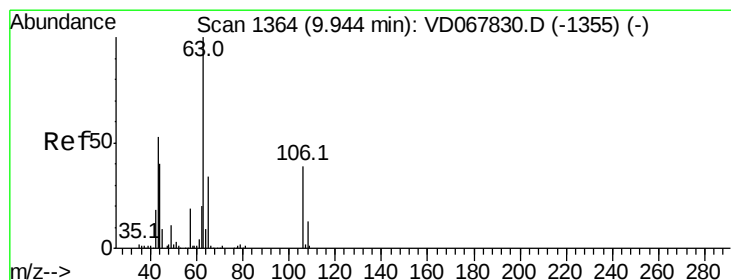
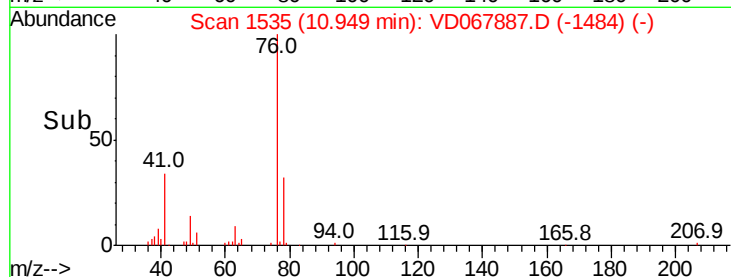
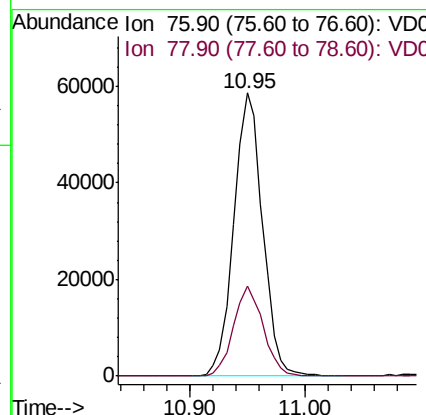
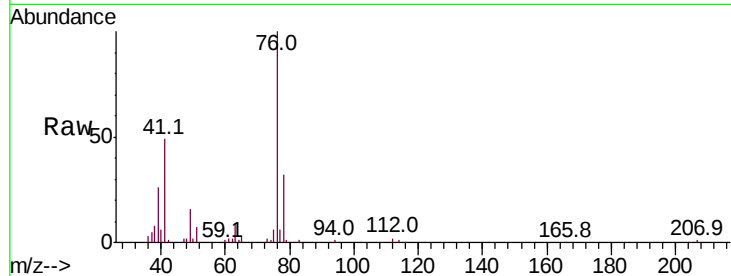
Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 101178

Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.6	39.8



#58

2-Chloroethyl Vinyl ether

Concen: 250.613 ug/l

RT: 9.95 min Scan# 1365

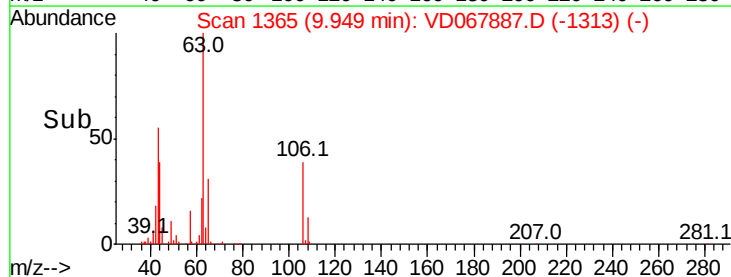
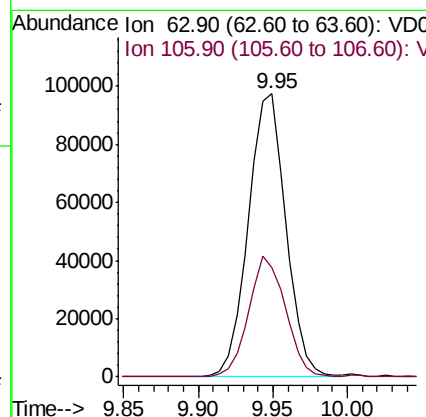
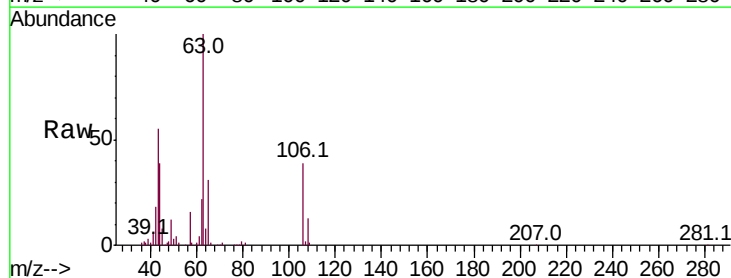
Delta R.T. 0.01 min

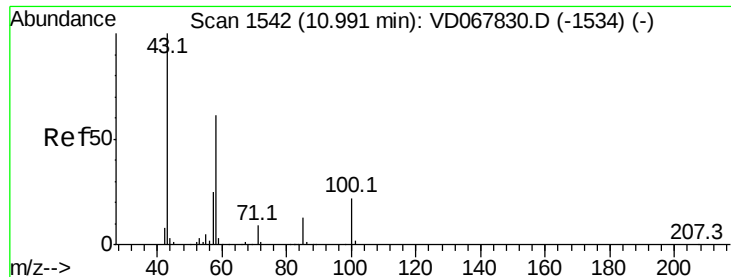
Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Tgt Ion: 63 Resp: 169392

Ion	Ratio	Lower	Upper
63	100		
106	42.0	32.0	48.0

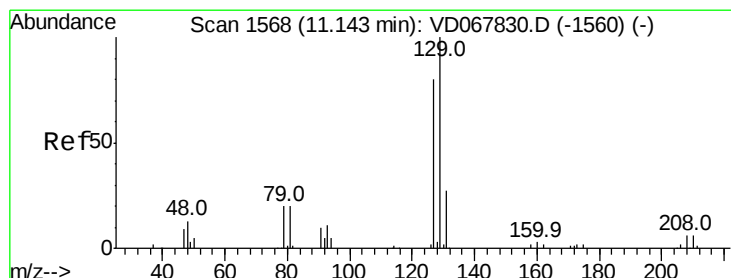
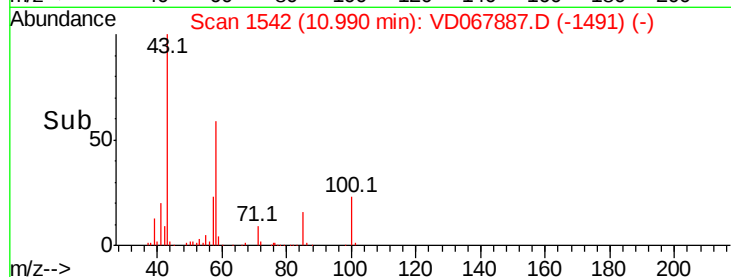
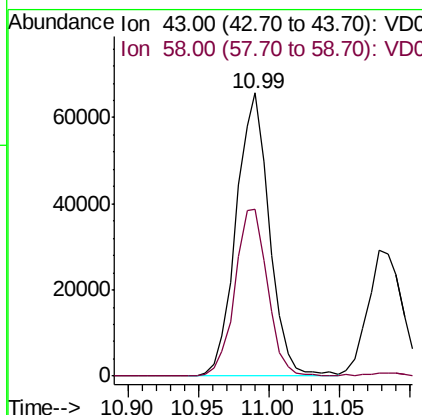
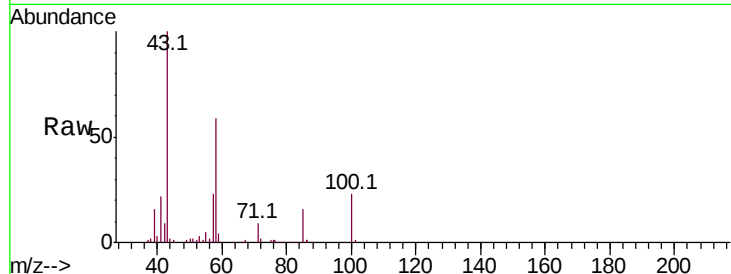




#59
2-Hexanone
Concen: 223.795 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

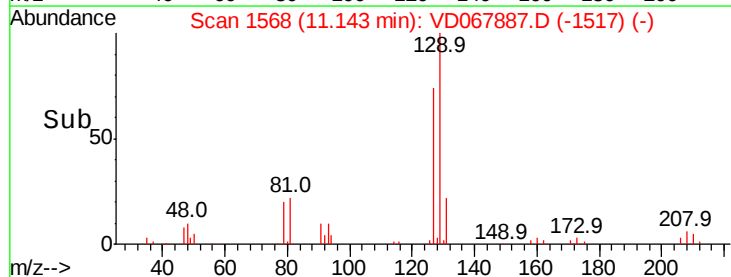
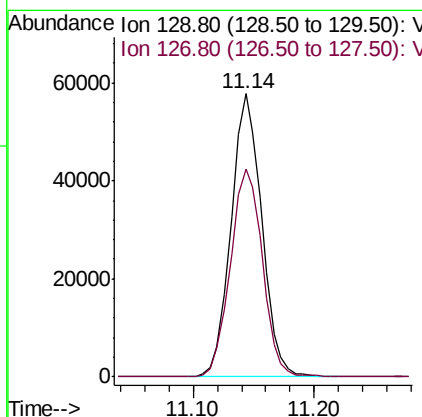
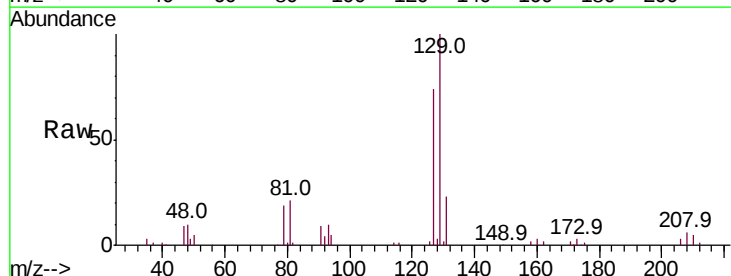
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

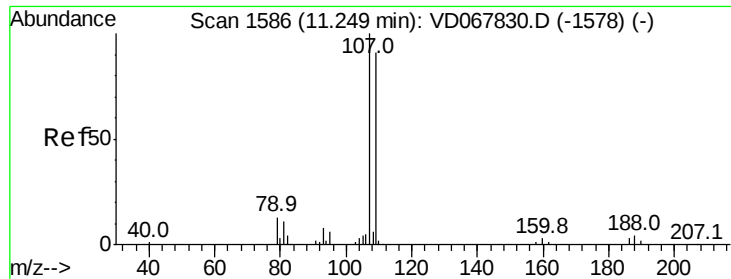
Tot Ion: 43 Resp: 108181
Ion Ratio Lower Upper
43 100
58 57.6 29.9 89.7



#60
Dibromochloromethane
Concen: 46.444 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Tgt Ion: 129 Resp: 102210
Ion Ratio Lower Upper
129 100
127 76.5 39.2 117.6

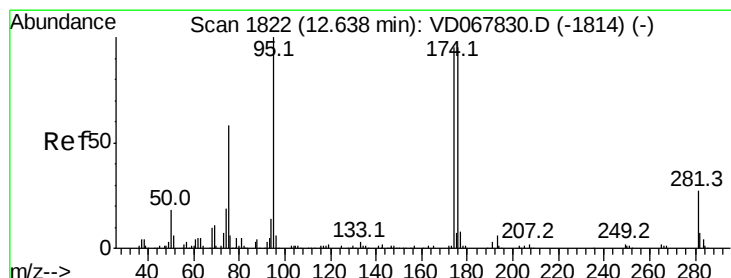
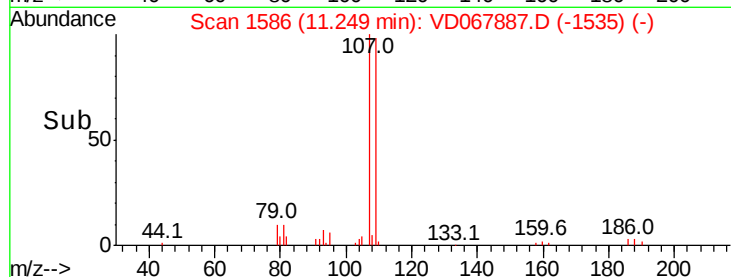
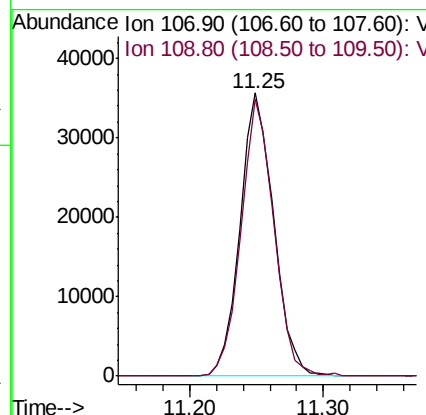
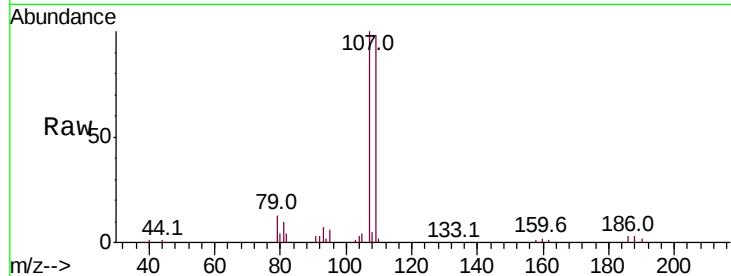




#61
 1,2-Dibromoethane
 Concen: 43.233 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD067887.D
 Acq: 04 Dec 2020 15:58

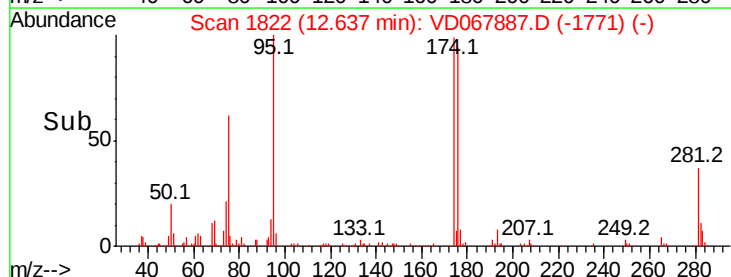
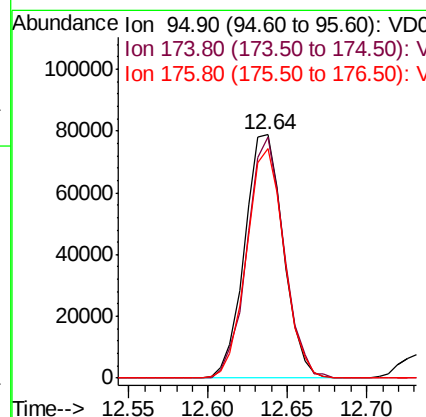
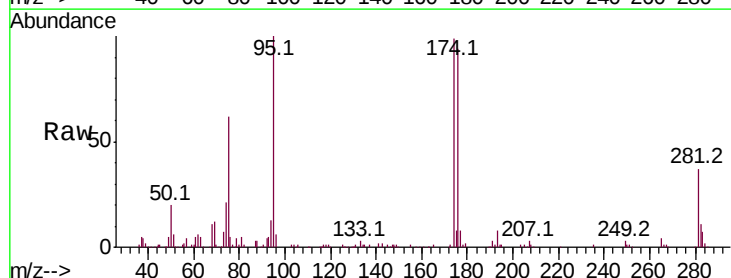
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

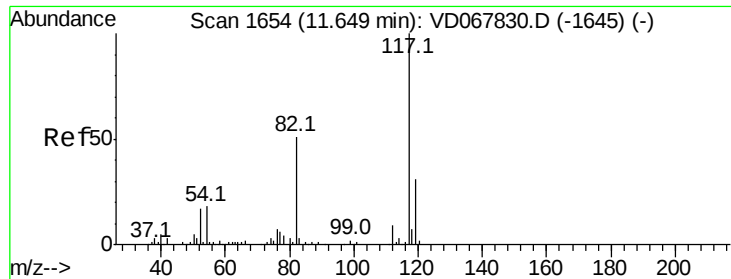
Tot Ion:107 Resp: 62069
 Ion Ratio Lower Upper
 107 100
 109 95.3 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 50.766 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD067887.D
 Acq: 04 Dec 2020 15:58

Tgt Ion: 95 Resp: 133426
 Ion Ratio Lower Upper
 95 100
 174 94.4 0.0 186.0
 176 91.8 0.0 184.2

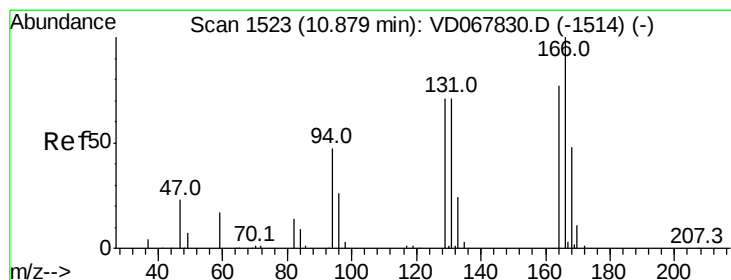
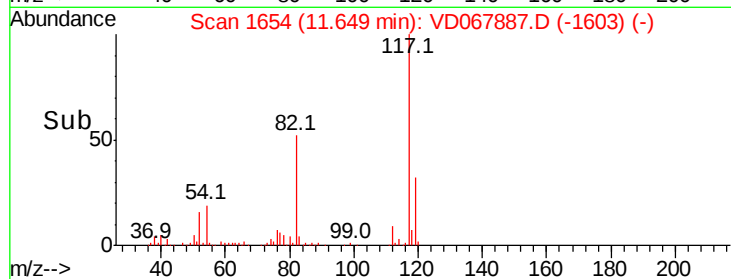
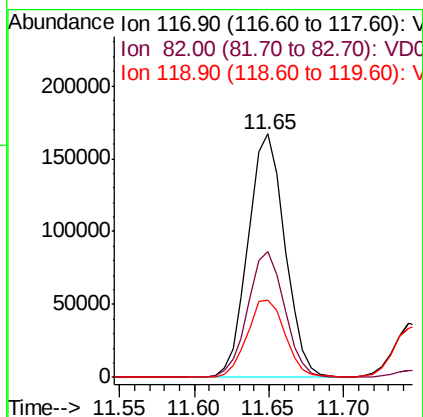
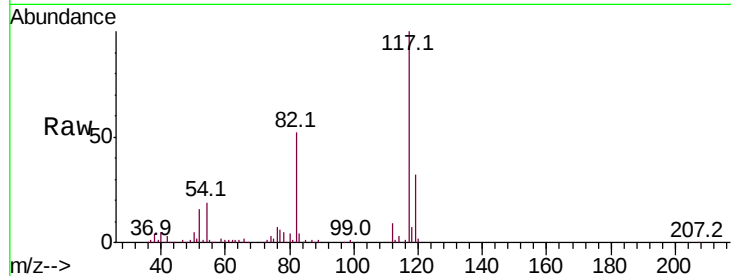




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

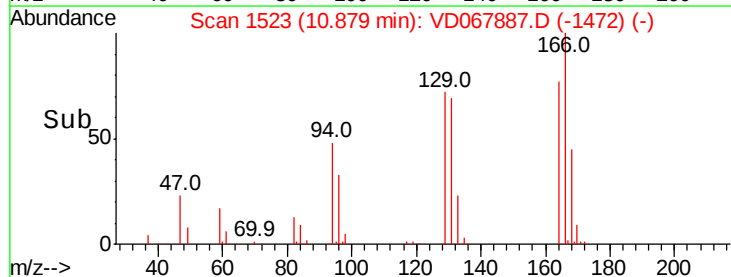
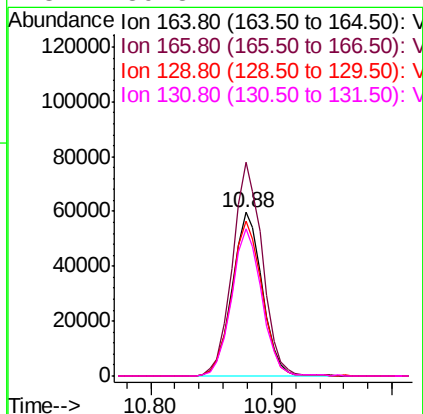
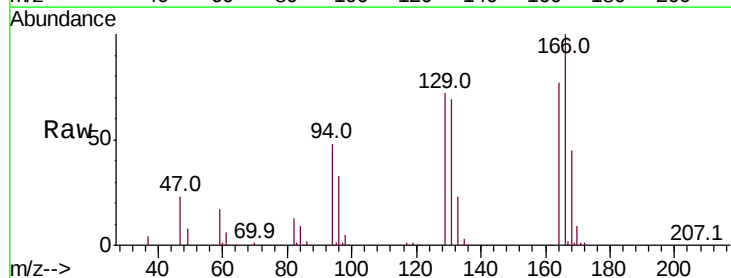
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

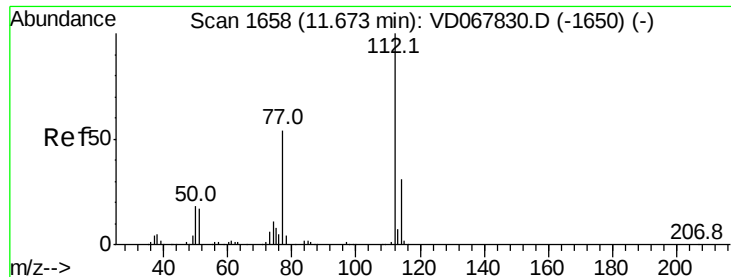
Tot Ion:117 Resp: 285730
Ion Ratio Lower Upper
117 100
82 51.9 40.6 60.8
119 31.7 25.1 37.7



#64
Tetrachloroethene
Concen: 44.411 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Tgt Ion:164 Resp: 103507
Ion Ratio Lower Upper
164 100
166 130.5 103.8 155.6
129 94.3 73.3 109.9
131 89.8 74.1 111.1

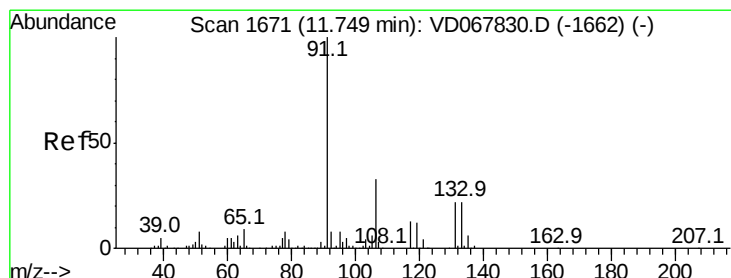
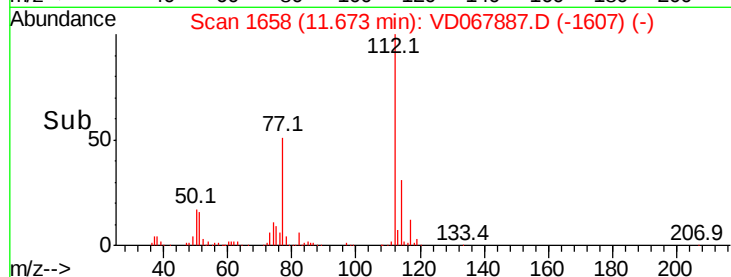
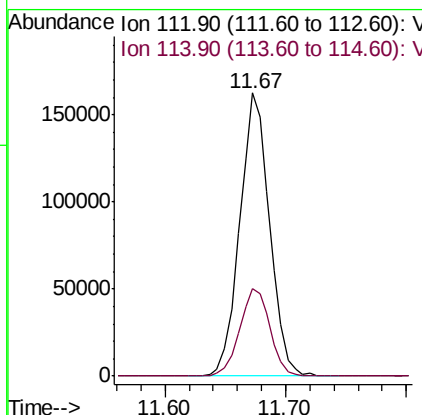
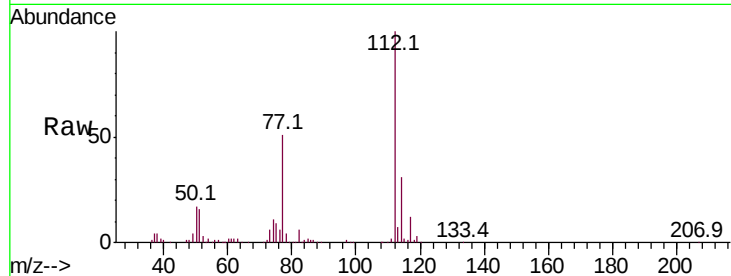




#65
Chlorobenzene
Concen: 47.257 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

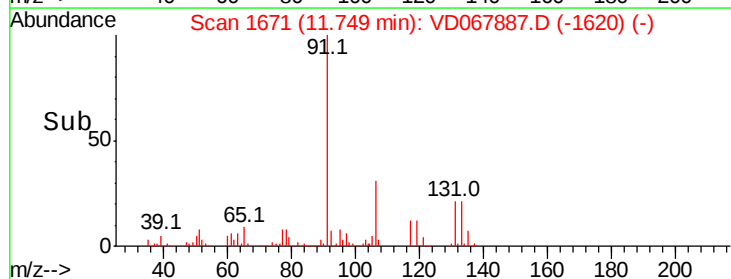
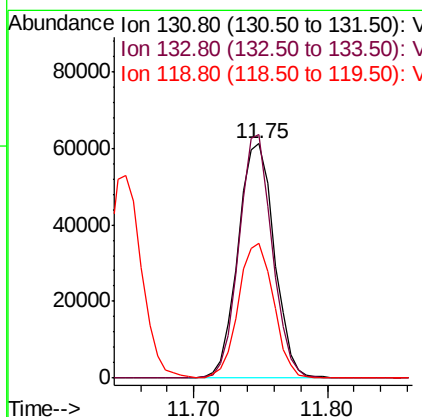
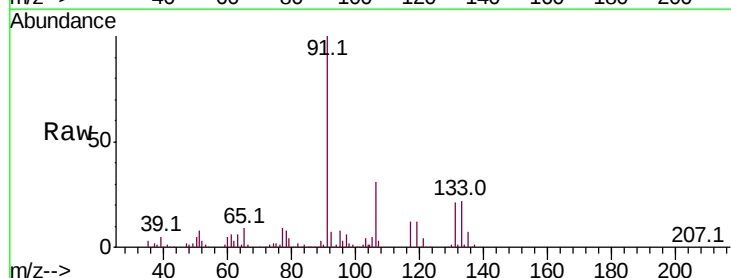
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

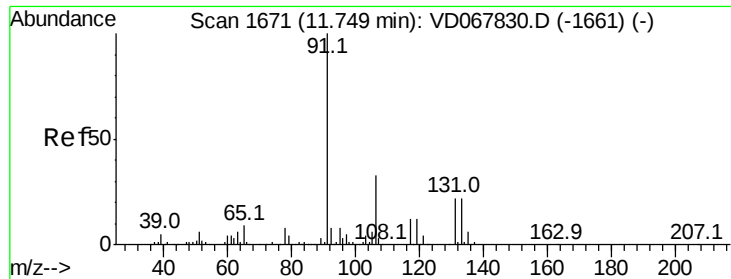
Tot Ion:112 Resp: 278613
Ion Ratio Lower Upper
112 100
114 31.0 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 47.705 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Tgt Ion:131 Resp: 114715
Ion Ratio Lower Upper
131 100
133 95.3 49.9 149.7
119 55.9 29.6 88.9





#67

Ethyl Benzene

Concen: 47.771 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

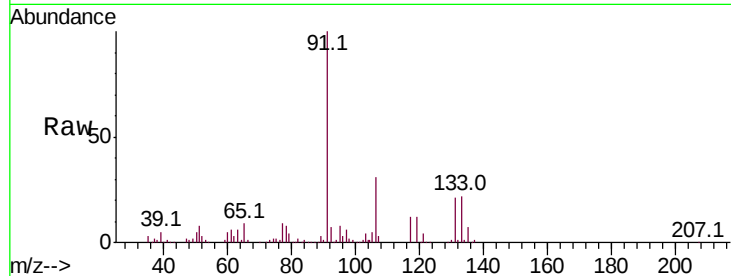
VSTDCCC050EC

Tot Ion: 91 Resp: 479784

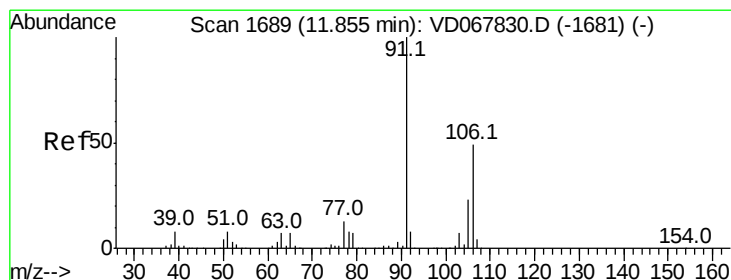
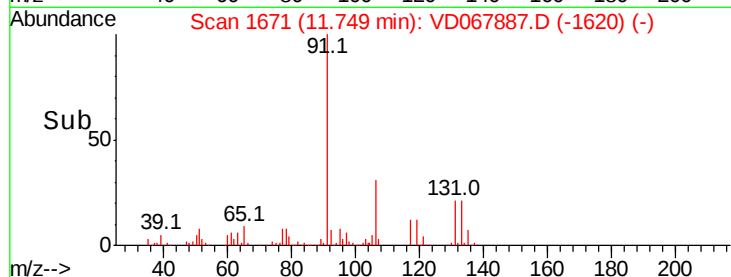
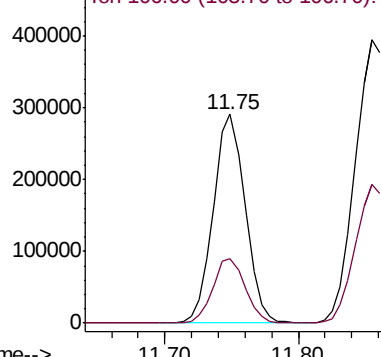
Ion Ratio Lower Upper

91 100

106 30.8 26.2 39.2



Abundance Ion 91.00 (90.70 to 91.70): VDC



#68

m/p-Xylenes

Concen: 93.038 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD067887.D

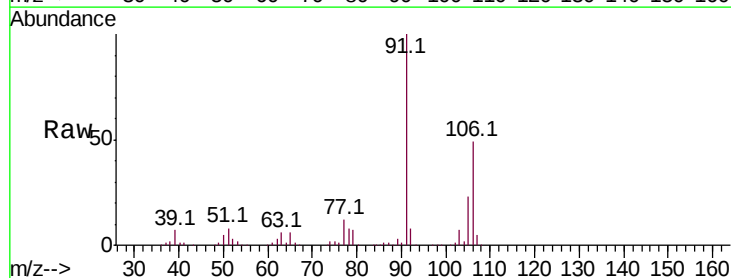
Acq: 04 Dec 2020 15:58

Tgt Ion: 106 Resp: 368446

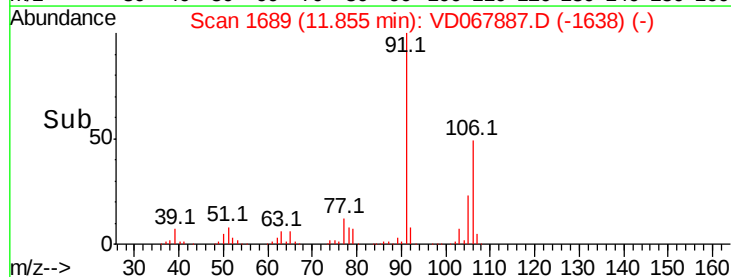
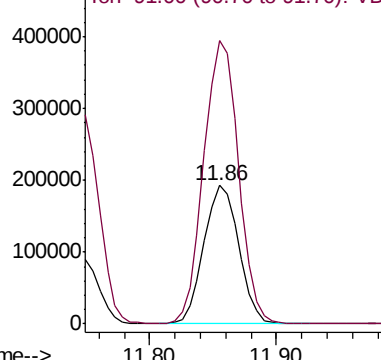
Ion Ratio Lower Upper

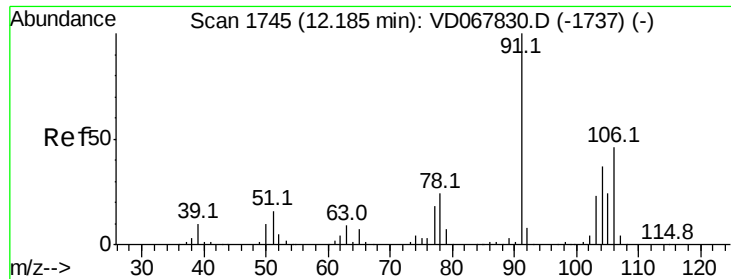
106 100

91 204.3 162.8 244.2



Abundance Ion 106.00 (105.70 to 106.70): VDC

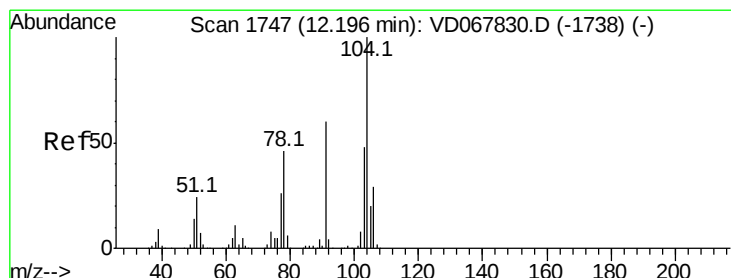
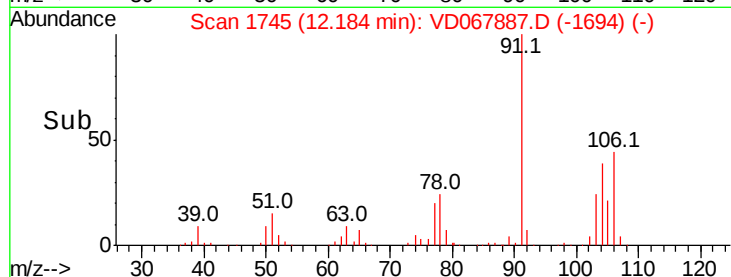
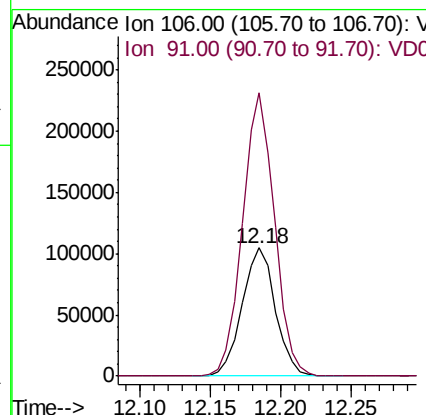
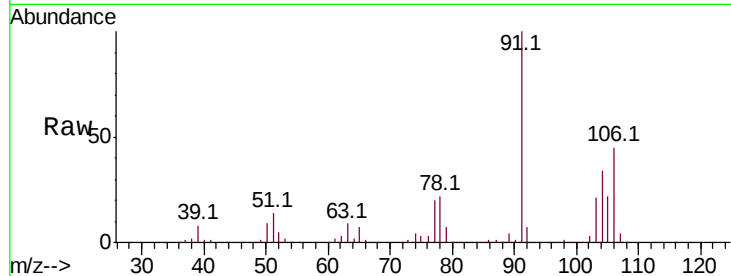




#69
o-Xylene
Concen: 49.184 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

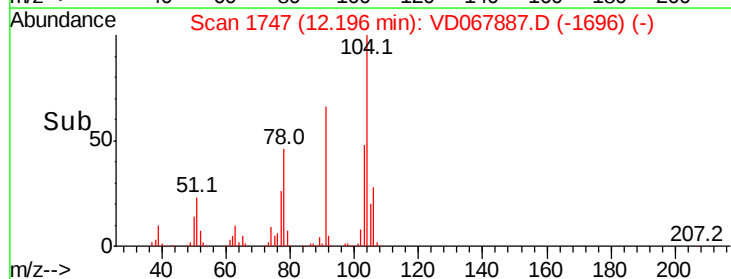
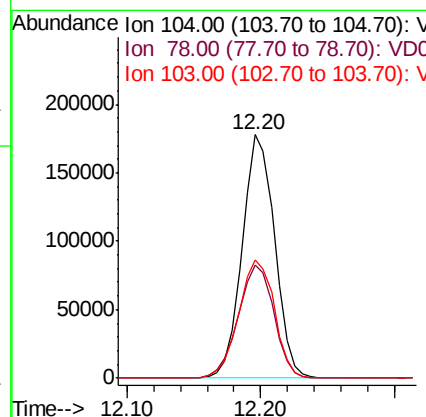
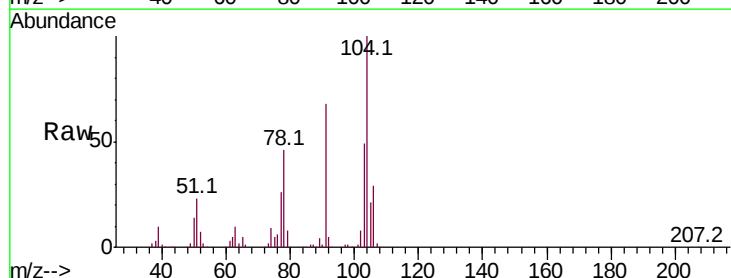
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

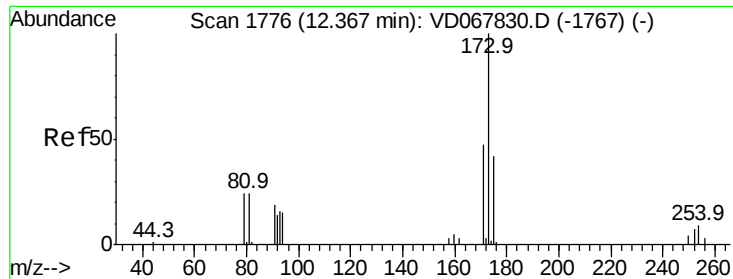
Tot Ion:106 Resp: 172917
Ion Ratio Lower Upper
106 100
91 211.2 107.5 322.5



#70
Styrene
Concen: 48.799 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Tgt Ion:104 Resp: 298326
Ion Ratio Lower Upper
104 100
78 51.3 41.6 62.4
103 53.7 43.2 64.8

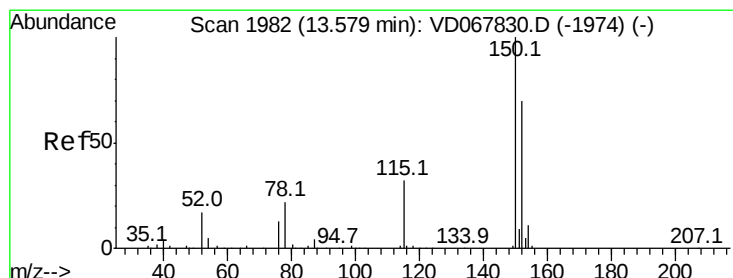
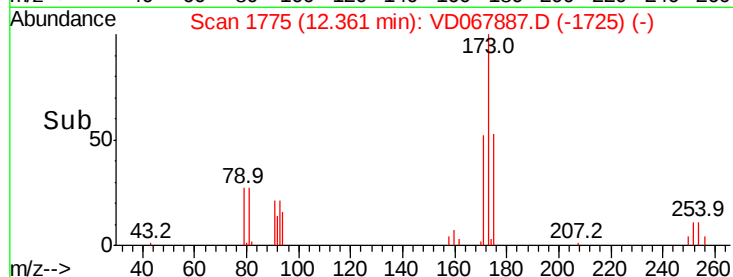
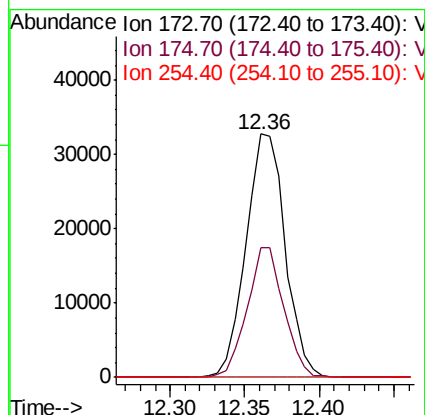
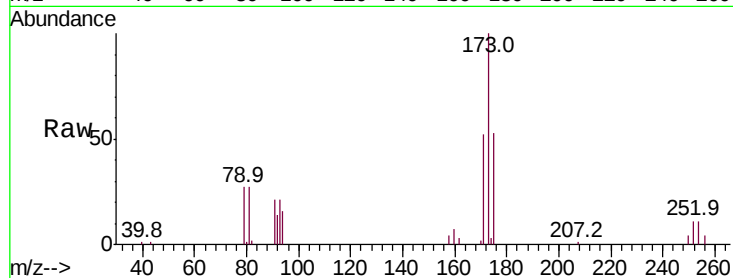




#71
Bromoform
Concen: 46.581 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

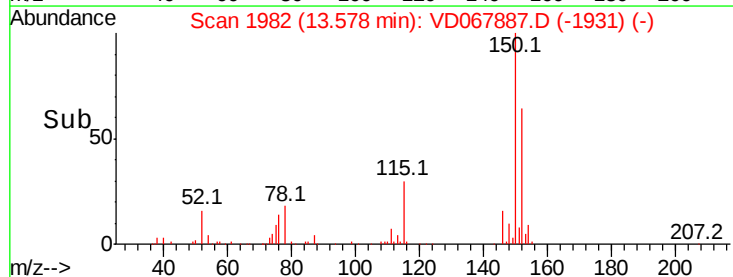
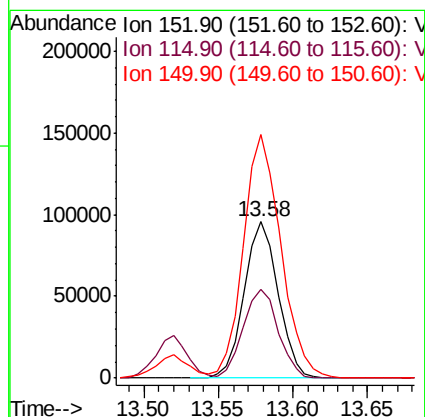
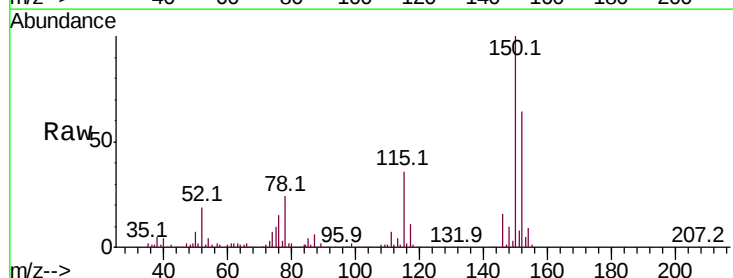
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

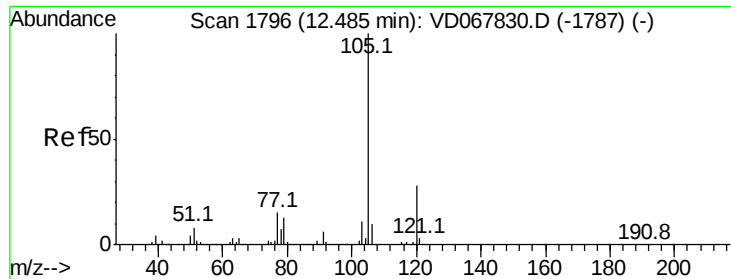
Tot Ion:173 Resp: 59292
Ion Ratio Lower Upper
173 100
175 50.0 23.4 70.3
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Tgt Ion:152 Resp: 150727
Ion Ratio Lower Upper
152 100
115 58.4 29.1 87.4
150 171.6 0.0 339.0





#73

Isopropylbenzene

Concen: 46.721 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

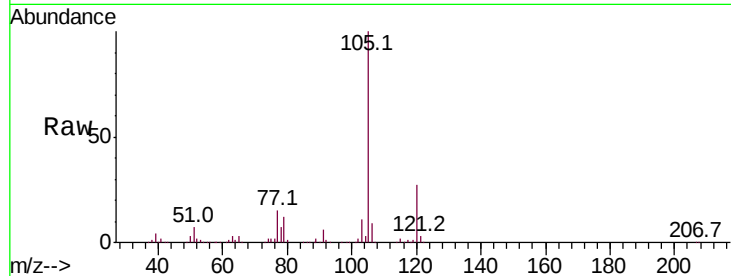
VSTDCCC050EC

Tot Ion:105 Resp: 484280

Ion Ratio Lower Upper

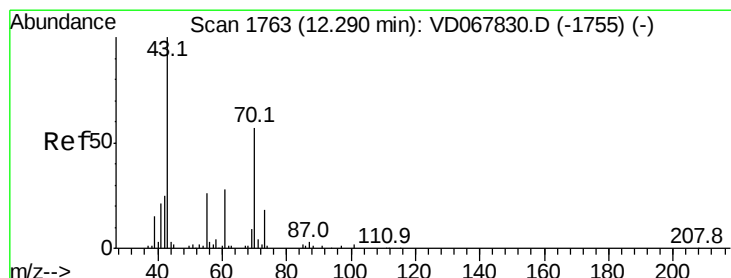
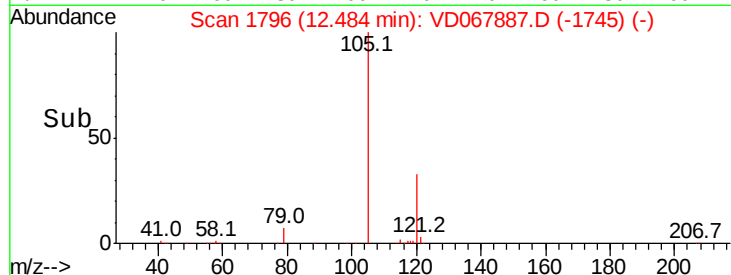
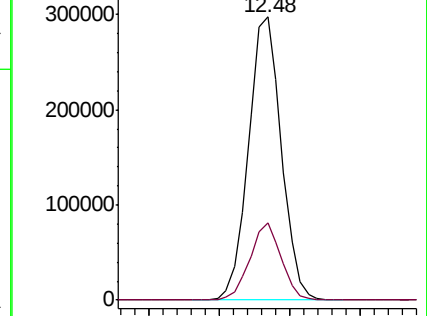
105 100

120 26.2 13.9 41.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 43.629 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Tgt Ion: 43 Resp: 55939

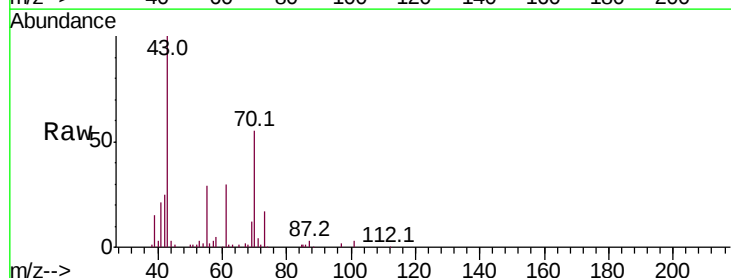
Ion Ratio Lower Upper

43 100

70 55.7 44.6 66.8

55 30.2 22.2 33.2

61 28.2 22.7 34.1

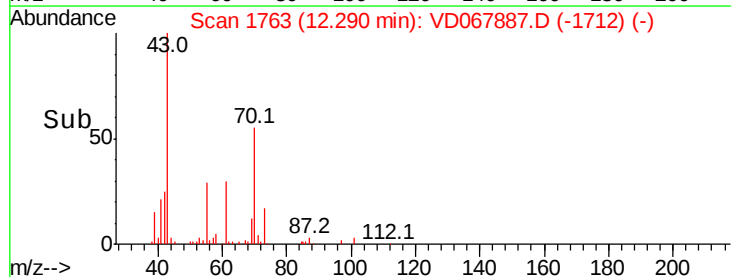
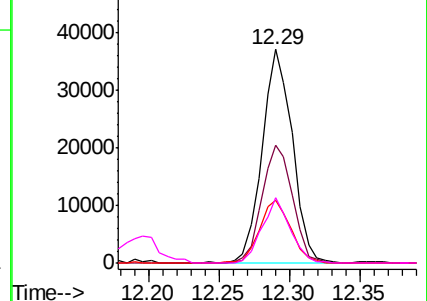


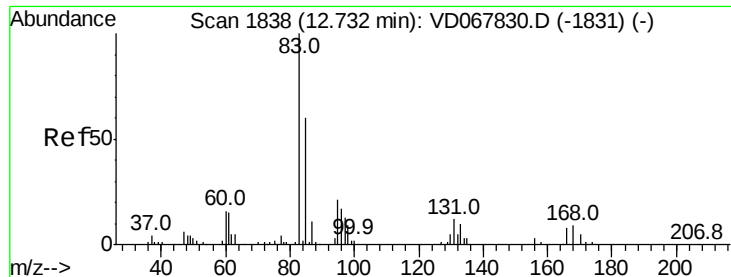
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 42.255 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

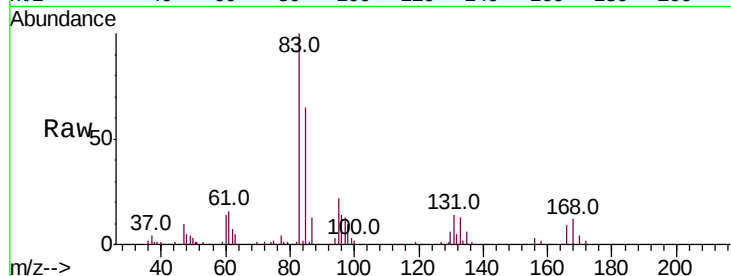
Tot Ion: 83 Resp: 57825

Ion Ratio Lower Upper

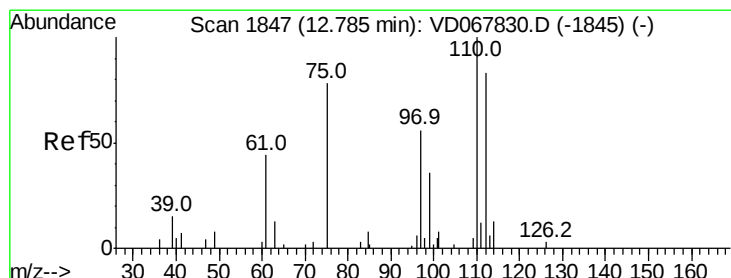
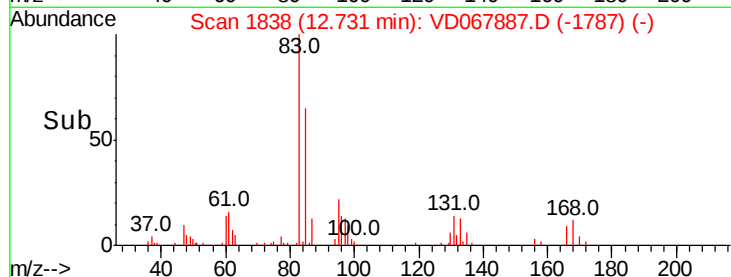
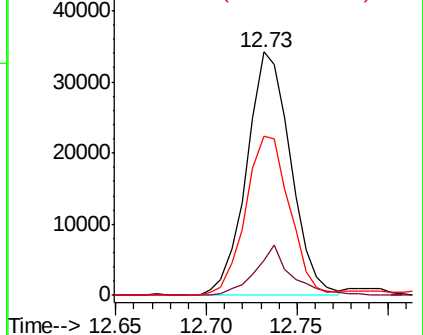
83 100

131 16.9 8.0 24.0

85 65.5 31.7 95.1



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 78.597 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD067887.D

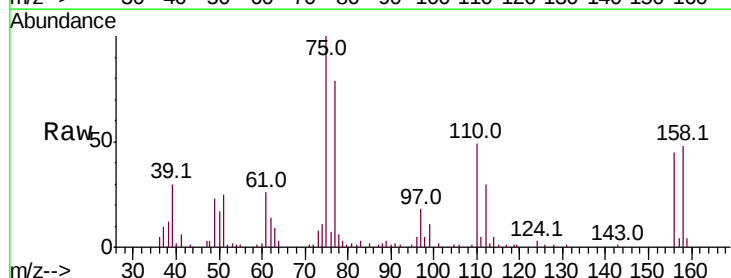
Acq: 04 Dec 2020 15:58

Tgt Ion: 75 Resp: 86271

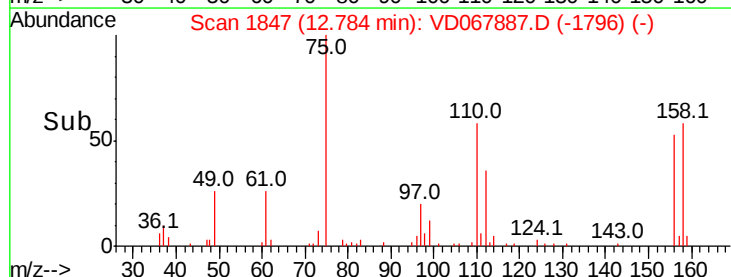
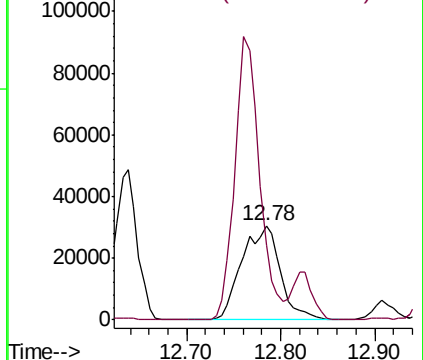
Ion Ratio Lower Upper

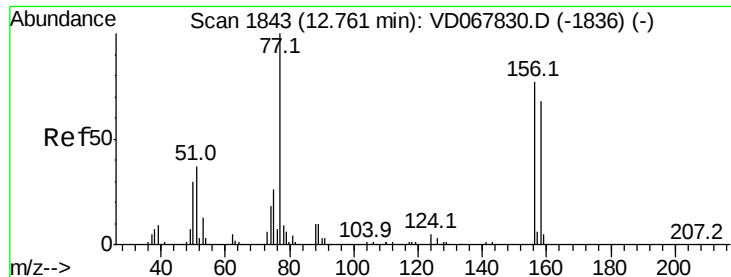
75 100

77 0.0 175.9 527.7#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 46.650 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

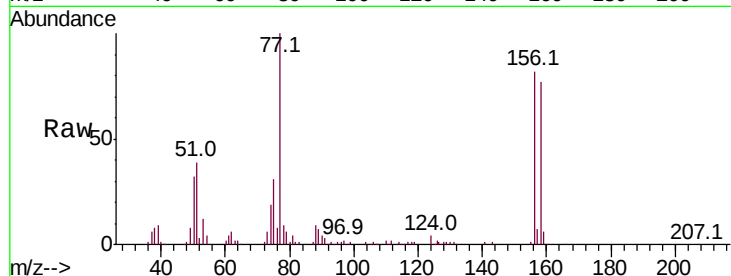
Tot Ion:156 Resp: 120213

Ion Ratio Lower Upper

156 100

77 140.2 71.5 214.5

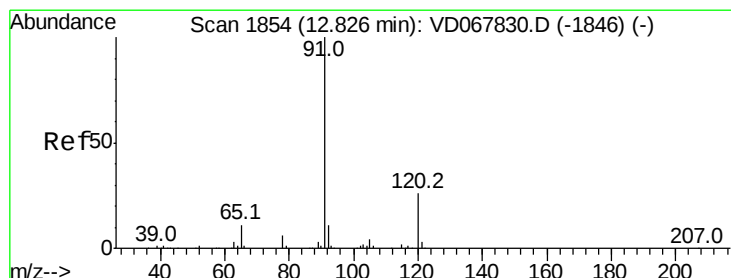
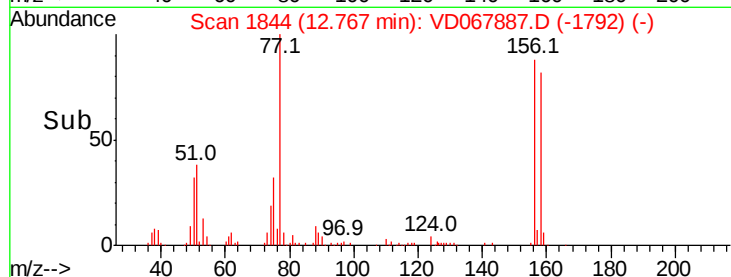
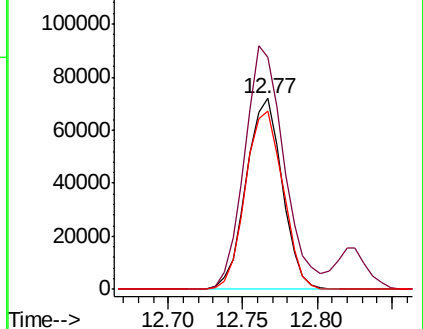
158 97.2 47.1 141.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.260 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD067887.D

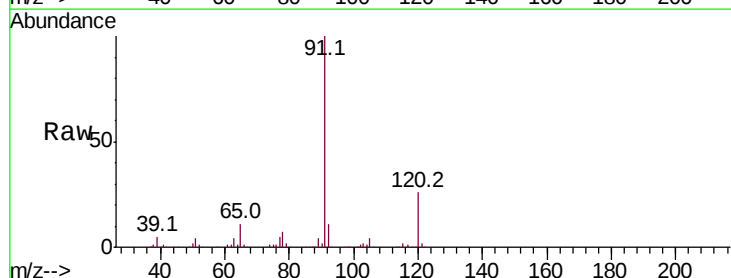
Acq: 04 Dec 2020 15:58

Tgt Ion: 91 Resp: 531461

Ion Ratio Lower Upper

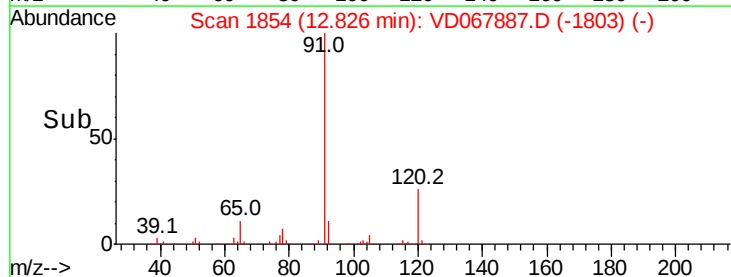
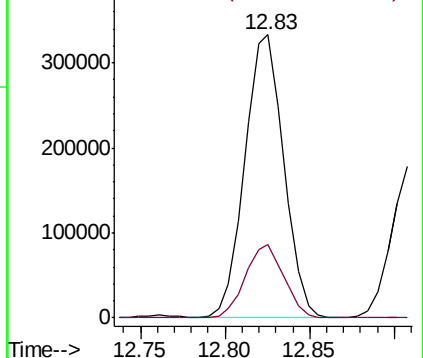
91 100

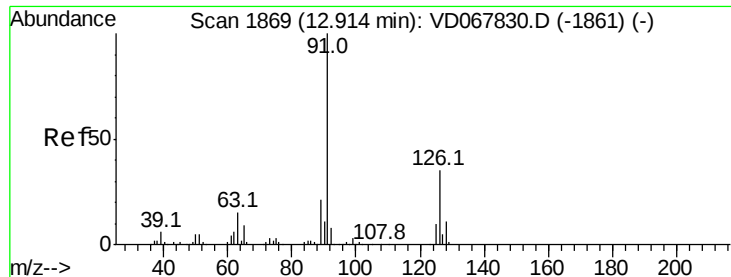
120 25.8 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

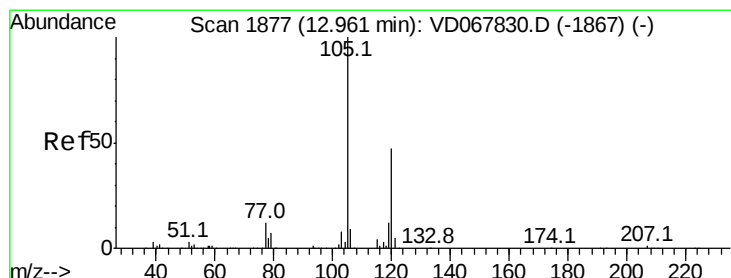
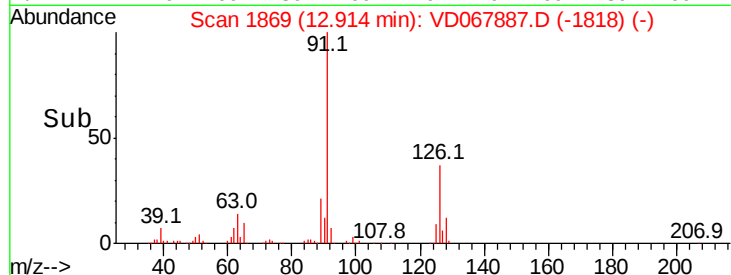
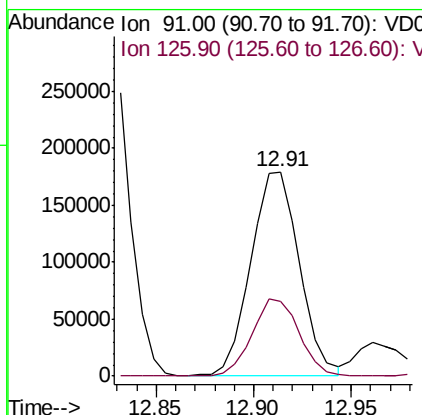
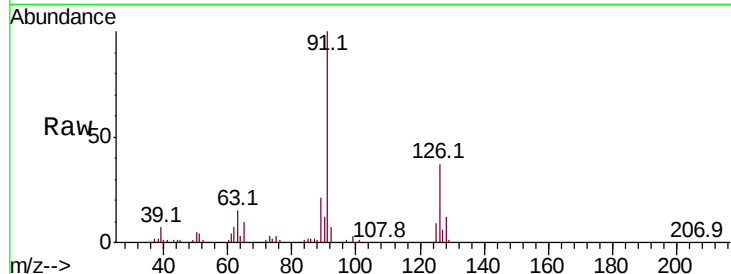




#79
 2-Chlorotoluene
 Concen: 45.779 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD067887.D
 Acq: 04 Dec 2020 15:58

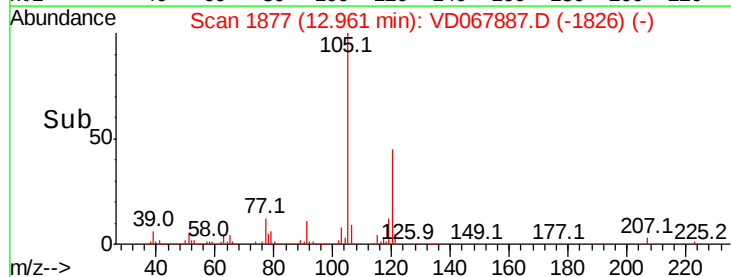
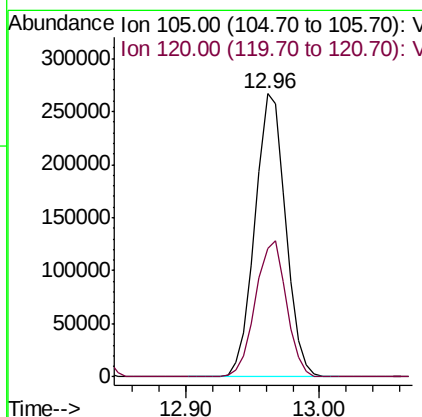
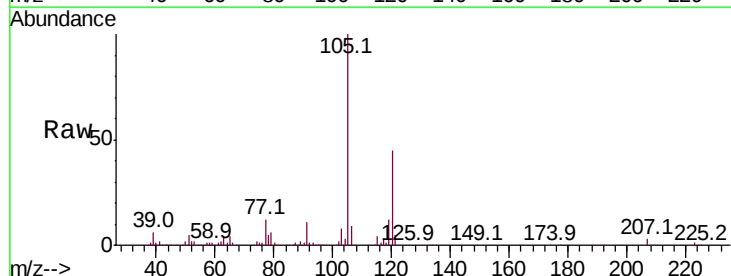
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

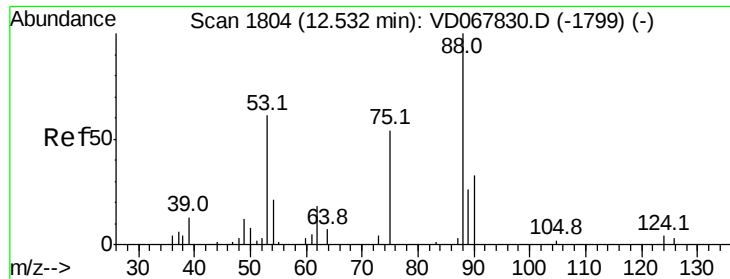
Tot Ion: 91 Resp: 309406
 Ion Ratio Lower Upper
 91 100
 126 36.5 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 46.880 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. -0.00 min
 Lab File: VD067887.D
 Acq: 04 Dec 2020 15:58

Tgt Ion: 105 Resp: 420723
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 41.095 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

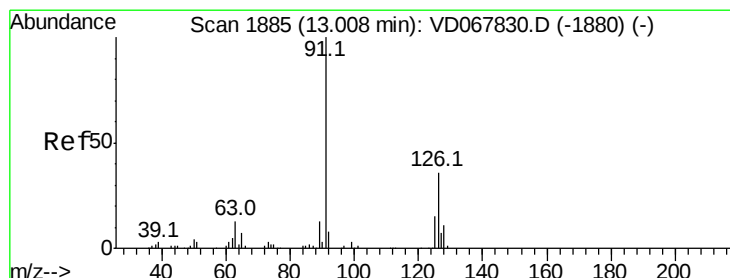
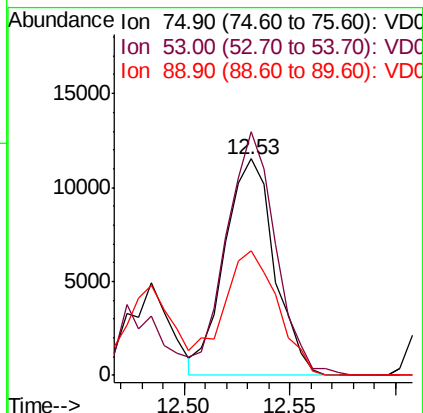
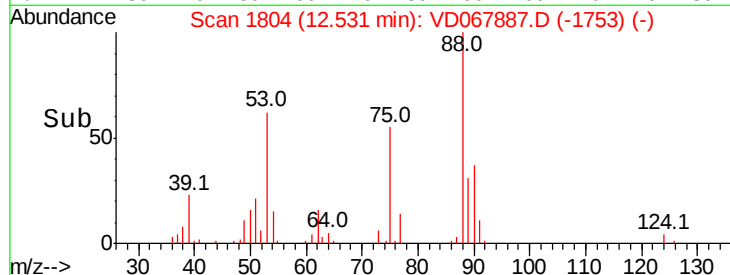
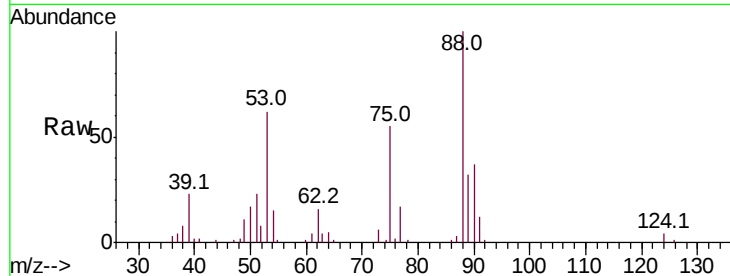
Tot Ion: 75 Resp: 18857

Ion Ratio Lower Upper

75 100

53 110.8 84.6 127.0

89 63.4 41.0 61.6#



#82

4-Chlorotoluene

Concen: 45.224 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD067887.D

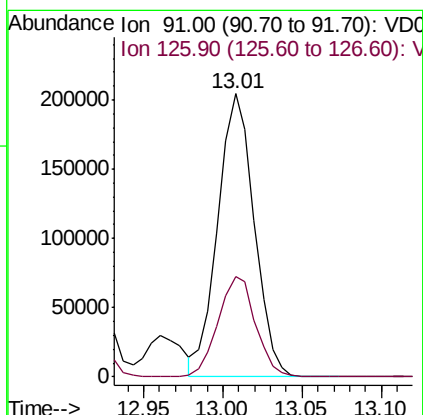
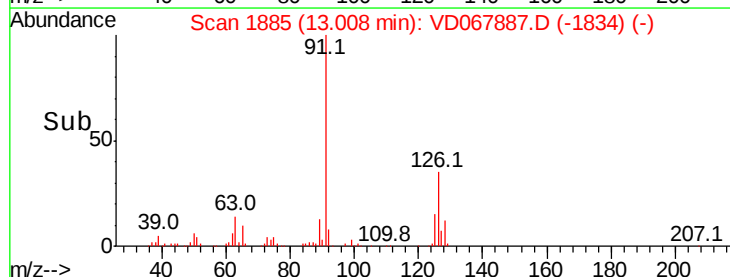
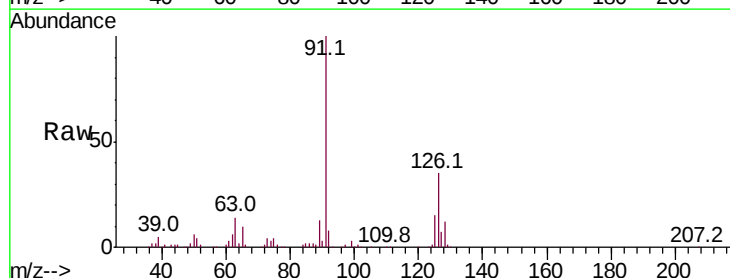
Acq: 04 Dec 2020 15:58

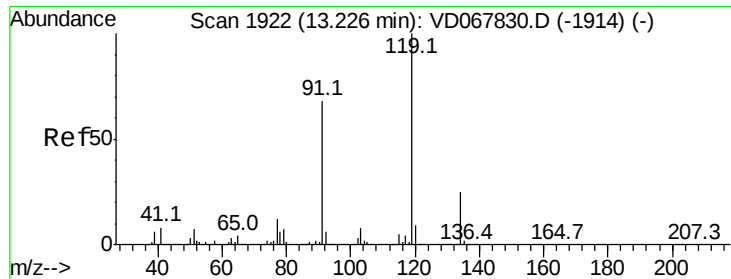
Tgt Ion: 91 Resp: 326048

Ion Ratio Lower Upper

91 100

126 36.5 18.1 54.4

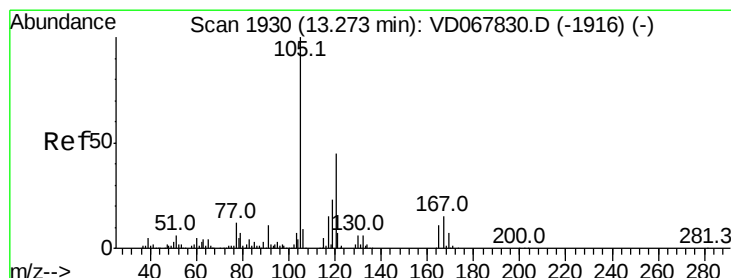
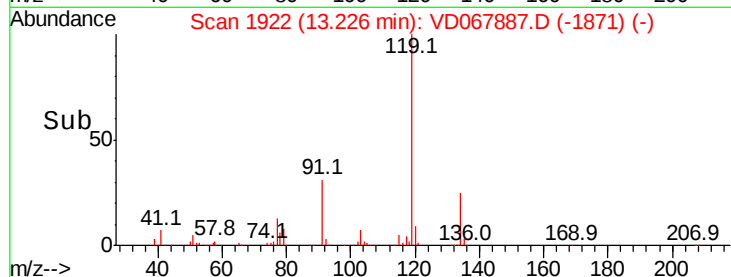
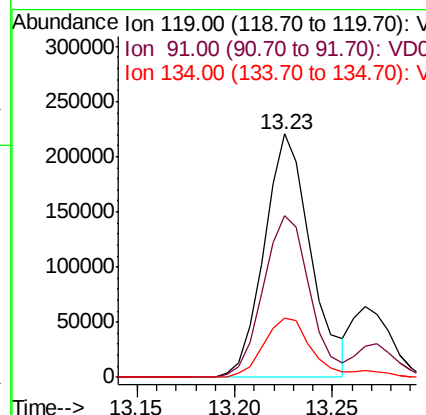
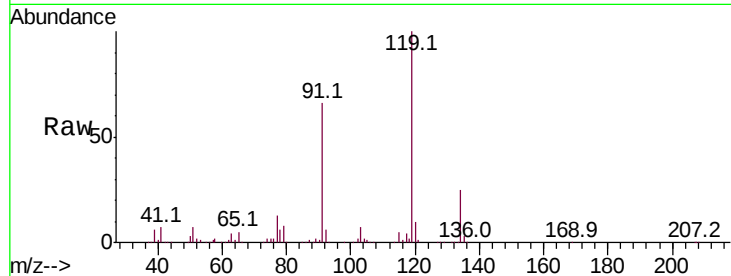




#83
 tert-Butylbenzene
 Concen: 47.654 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD067887.D
 Acq: 04 Dec 2020 15:58

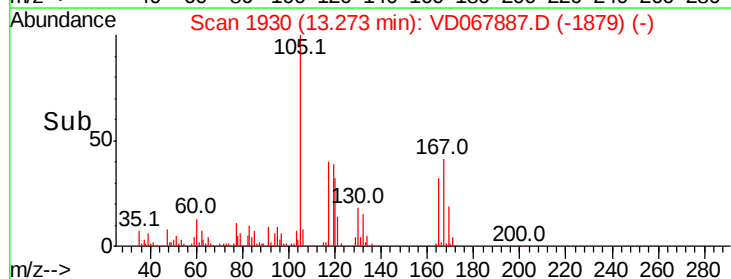
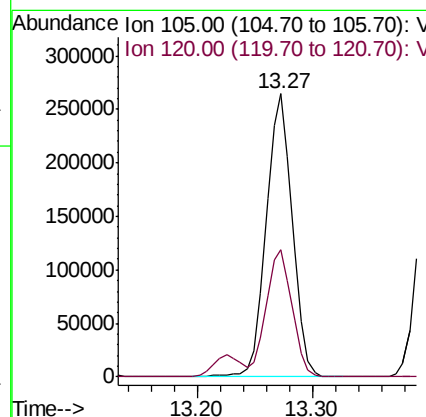
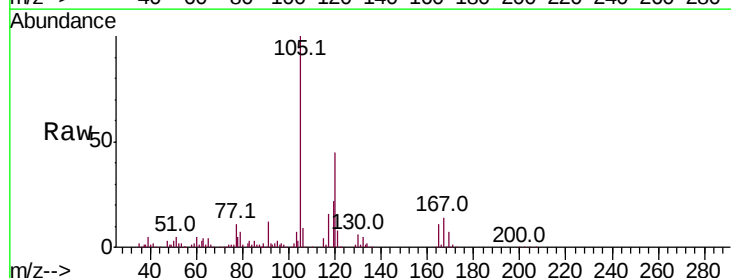
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

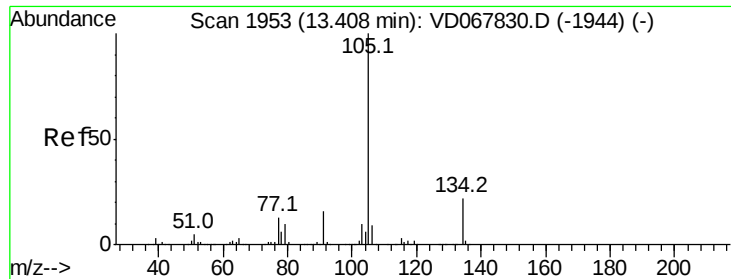
Tot Ion:119 Resp: 363927
 Ion Ratio Lower Upper
 119 100
 91 66.6 33.1 99.3
 134 26.5 13.6 40.8



#84
 1,2,4-Trimethylbenzene
 Concen: 46.780 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD067887.D
 Acq: 04 Dec 2020 15:58

Tgt Ion:105 Resp: 417472
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.1 66.5





#85

sec-Butylbenzene

Concen: 44.334 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

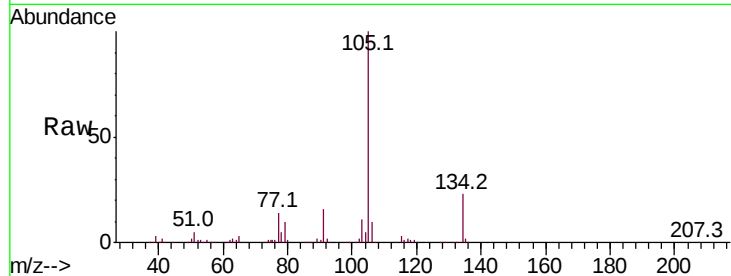
VSTDCCC050EC

Tot Ion:105 Resp: 451897

Ion Ratio Lower Upper

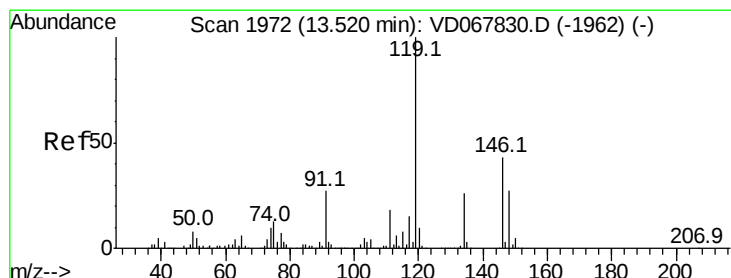
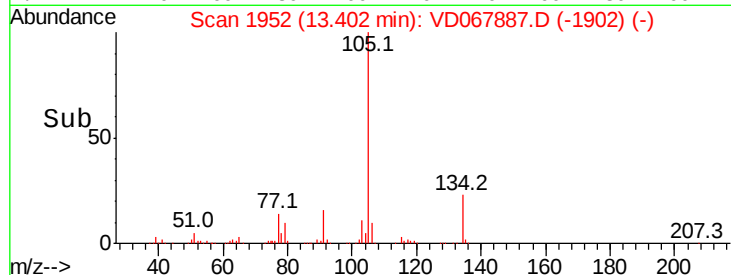
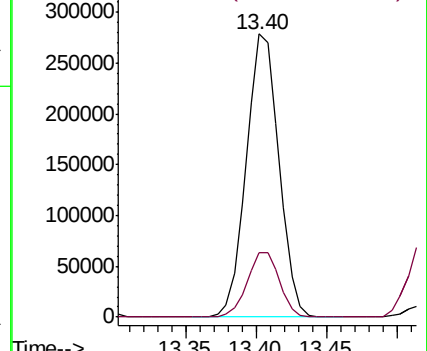
105 100

134 22.8 10.9 32.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 45.118 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

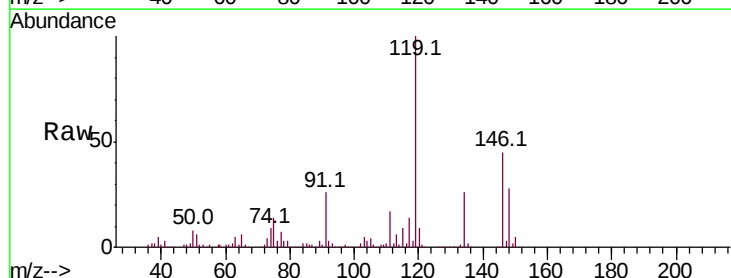
Tgt Ion:119 Resp: 450718

Ion Ratio Lower Upper

119 100

134 26.5 13.1 39.3

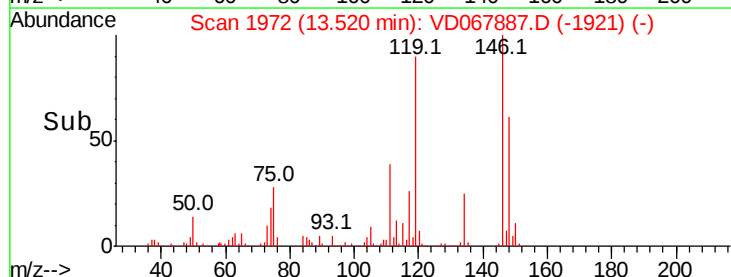
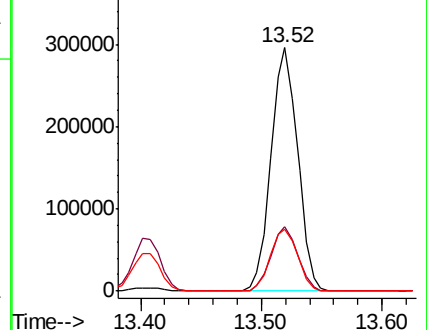
91 25.9 12.8 38.3

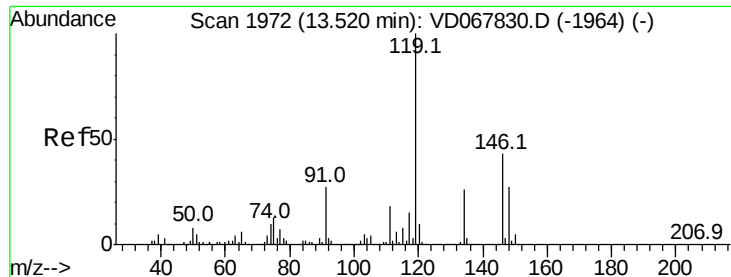


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 44.635 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

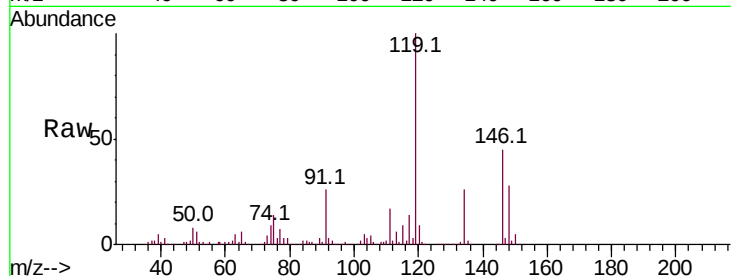
Tot Ion:146 Resp: 221876

Ion Ratio Lower Upper

146 100

111 40.1 20.8 62.2

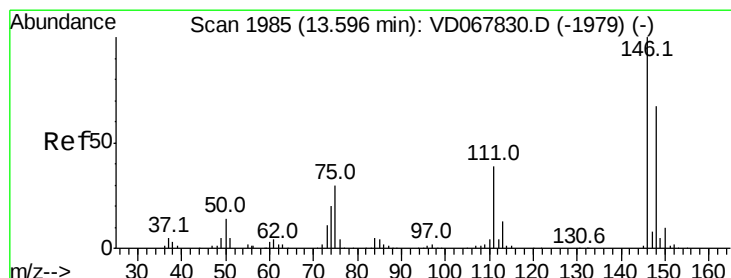
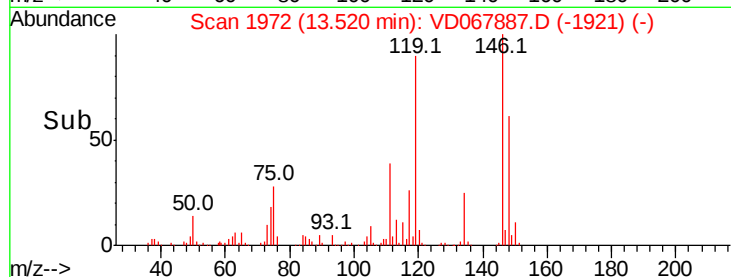
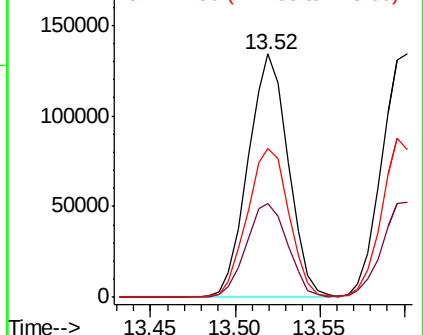
148 63.5 32.9 98.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 45.249 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.01 min

Lab File: VD067887.D

Acq: 04 Dec 2020 15:58

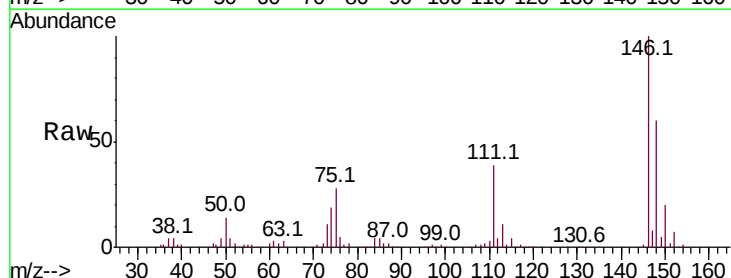
Tgt Ion:146 Resp: 225026

Ion Ratio Lower Upper

146 100

111 38.5 19.9 59.6

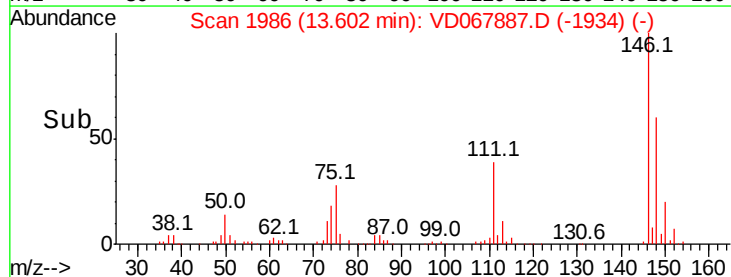
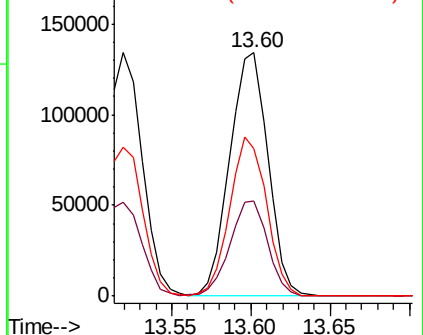
148 62.9 32.4 97.2

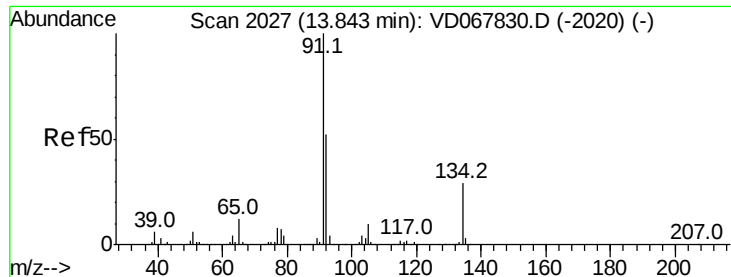


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

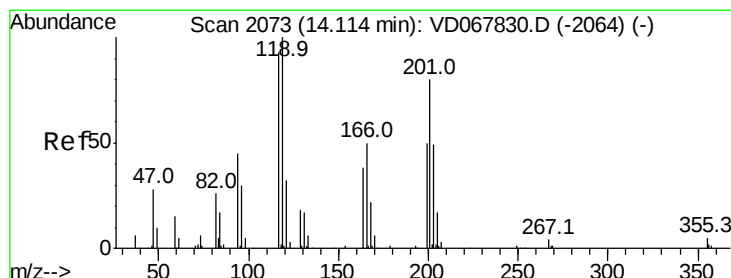
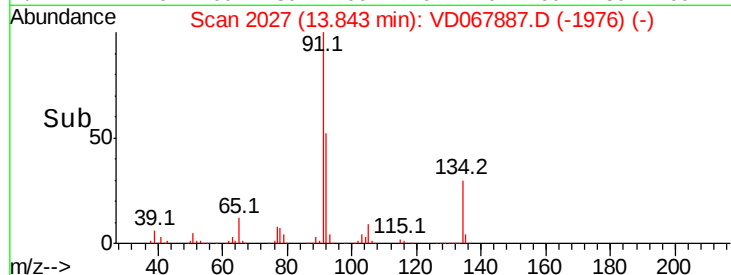
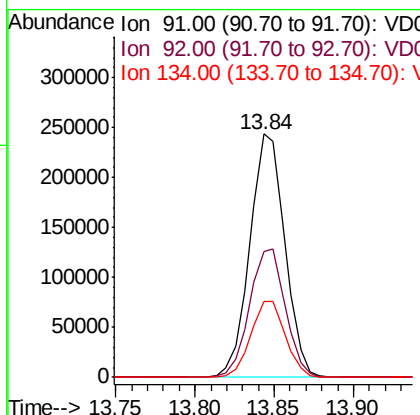
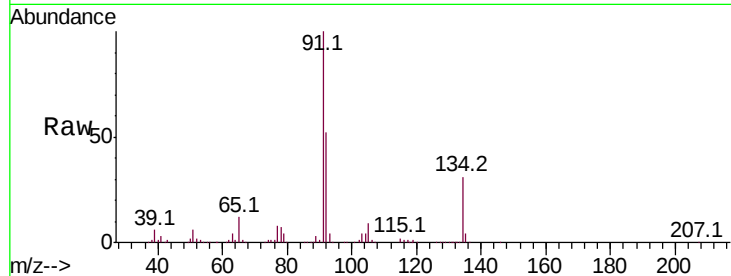




#89
n-Butylbenzene
Concen: 44.994 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

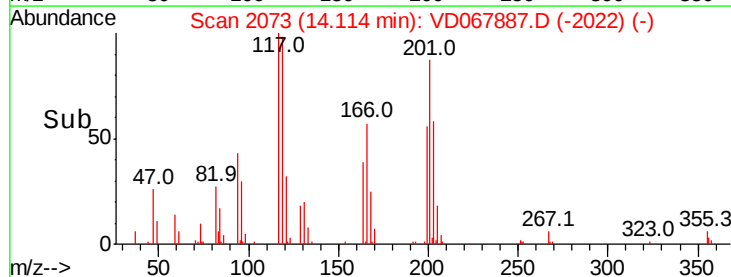
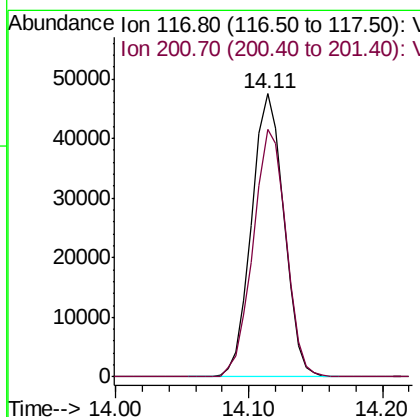
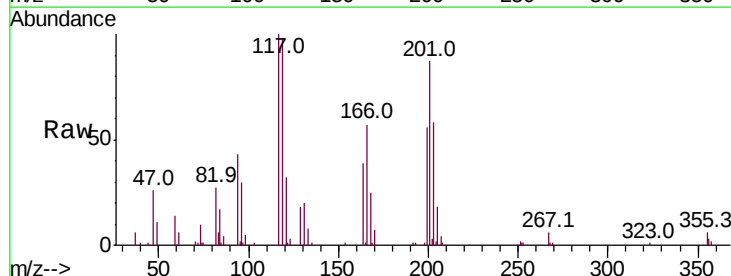
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

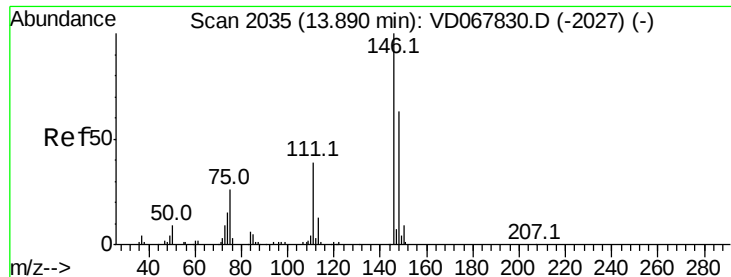
Tot Ion: 91 Resp: 373425
Ion Ratio Lower Upper
91 100
92 54.0 26.3 78.8
134 31.2 14.8 44.3



#90
Hexachloroethane
Concen: 43.121 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Tgt Ion: 117 Resp: 79530
Ion Ratio Lower Upper
117 100
201 88.8 43.9 131.6

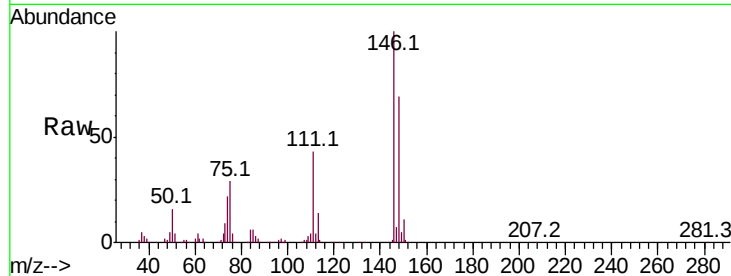




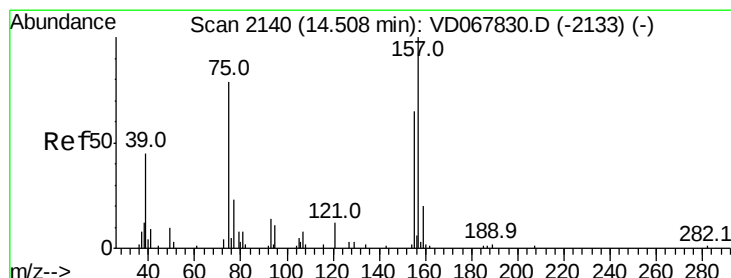
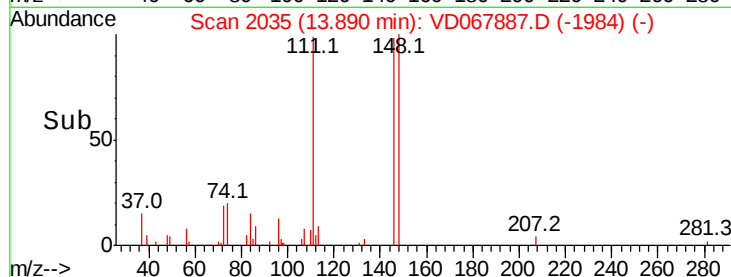
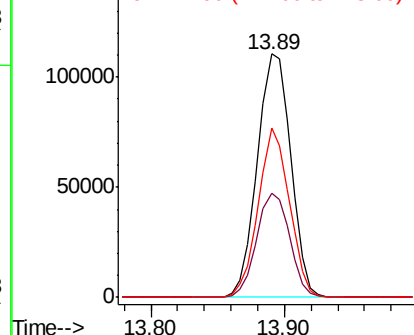
#91
 1,2-Dichlorobenzene
 Concen: 44.524 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD067887.D
 Acq: 04 Dec 2020 15:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.4	61.2
148	64.7	32.1	96.3

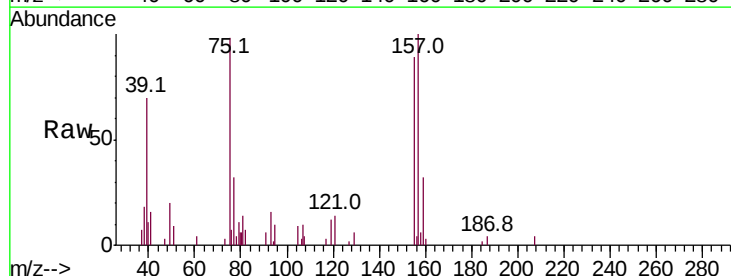


Abundance Ion 145.90 (145.60 to 146.60): V
 150000 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

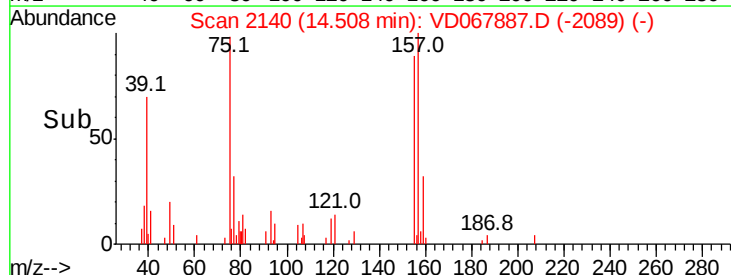
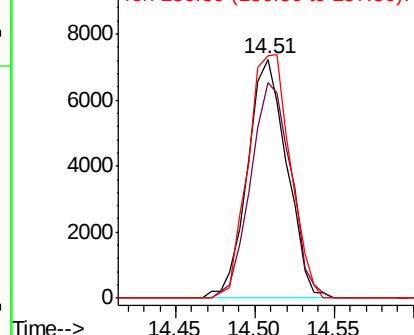


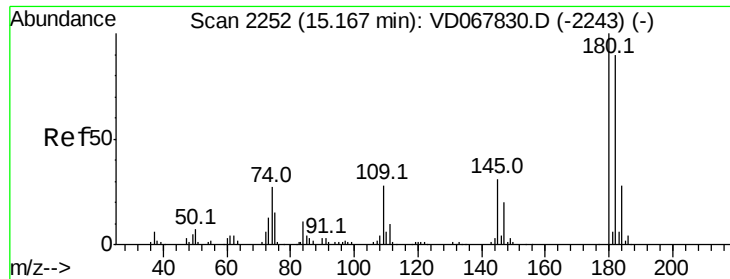
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.641 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.00 min
 Lab File: VD067887.D
 Acq: 04 Dec 2020 15:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.7	44.1	132.4
157	109.6	62.4	187.2



Abundance Ion 74.90 (74.60 to 75.60): V
 10000 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

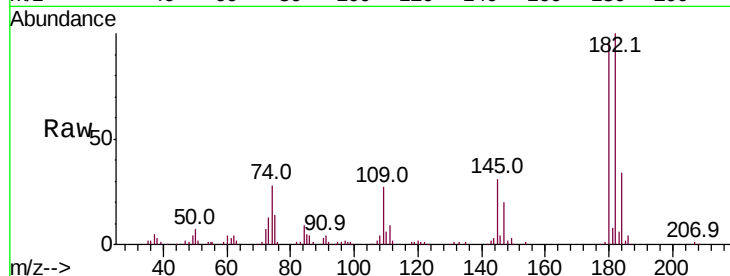




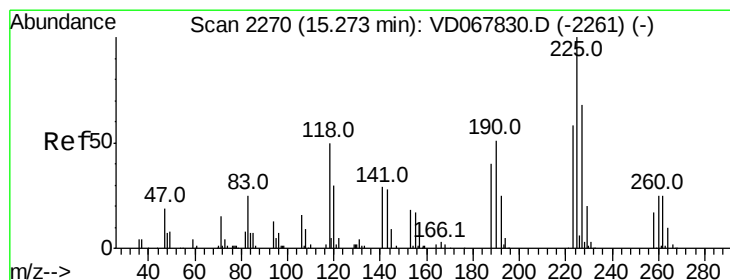
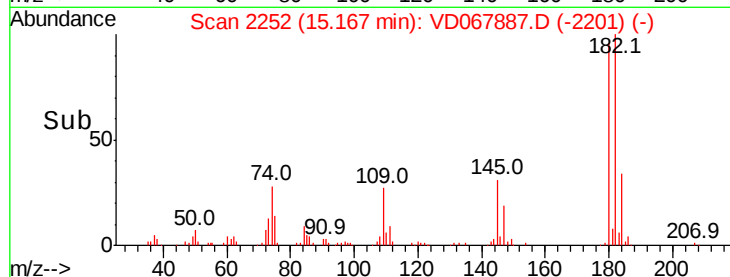
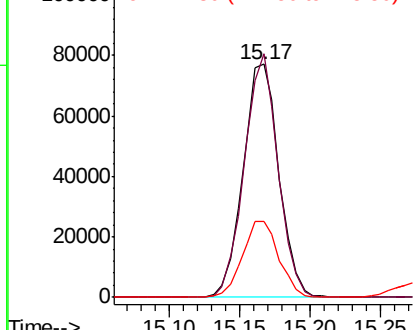
#93
 1,2,4-Trichlorobenzene
 Concen: 45.581 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD067887.D
 Acq: 04 Dec 2020 15:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 137458
 Ion Ratio Lower Upper
 180 100
 182 97.7 47.5 142.6
 145 33.0 16.4 49.4

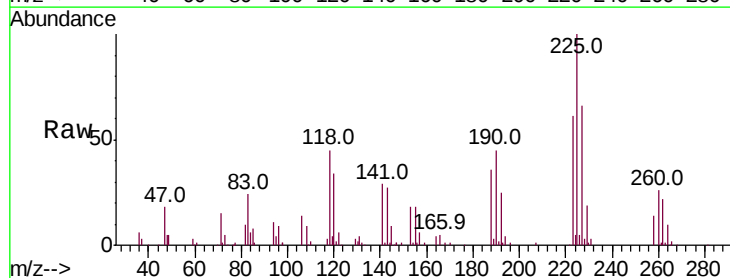


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

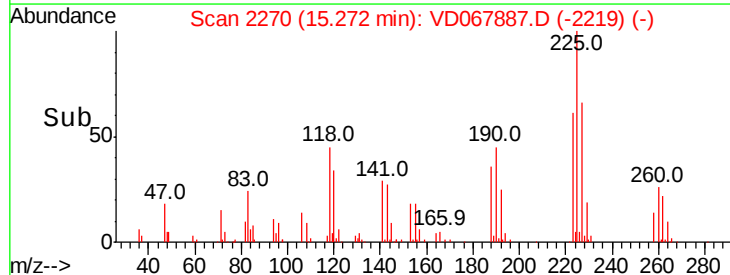
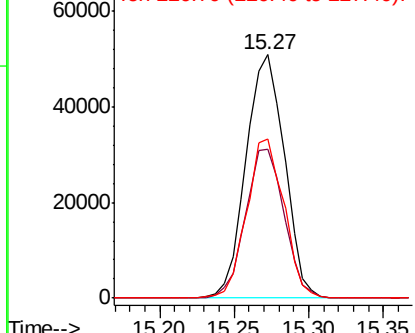


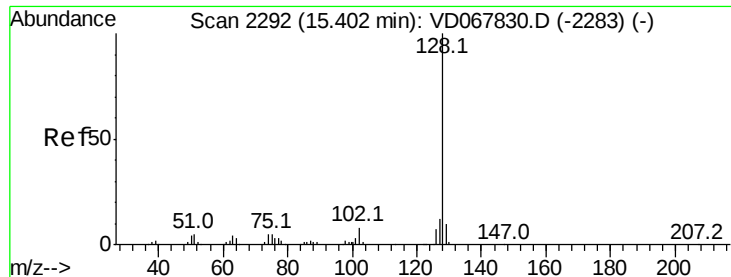
#94
 Hexachlorobutadiene
 Concen: 46.209 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD067887.D
 Acq: 04 Dec 2020 15:58

Tgt Ion:225 Resp: 90933
 Ion Ratio Lower Upper
 225 100
 223 61.6 31.1 93.3
 227 63.4 33.1 99.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

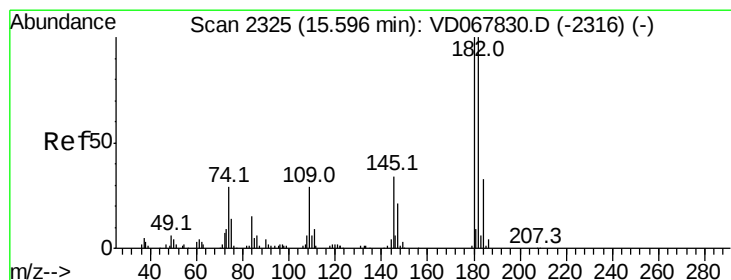
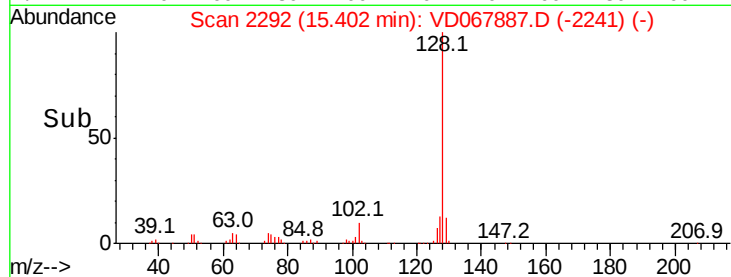
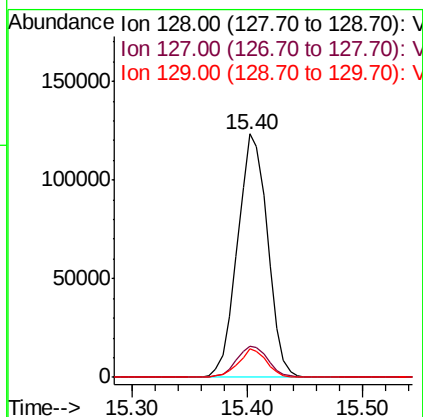
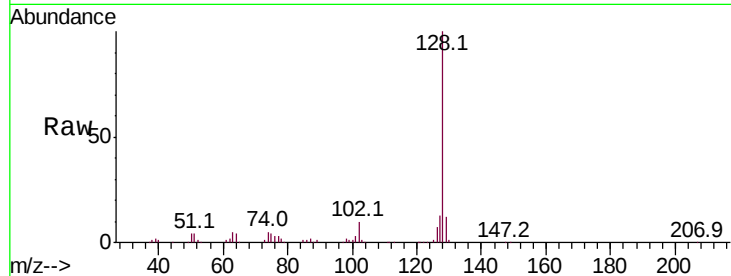




#95
Naphthalene
Concen: 45.382 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 222701
Ion Ratio Lower Upper
128 100
127 13.4 10.6 15.8
129 11.0 9.0 13.6



#96
1,2,3-Trichlorobenzene
Concen: 45.311 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VD067887.D
Acq: 04 Dec 2020 15:58

Tgt Ion:180 Resp: 118004
Ion Ratio Lower Upper
180 100
182 95.6 47.3 142.0
145 35.0 16.8 50.4

