

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120820\
 Data File : VD067915.D
 Acq On : 08 Dec 2020 16:35
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Dec 09 04:28:27 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	202646	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	296492	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	268813	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	134790	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	107629	49.47	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.94%	
35) Dibromofluoromethane		7.92	113	97140	48.96	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.92%	
50) Toluene-d8		10.34	98	347179	48.61	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.22%	
62) 4-Bromofluorobenzene		12.64	95	121333	49.14	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	98.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	88971	50.449	ug/l	94
3) Chloromethane	2.21	50	50121	49.245	ug/l	98
4) Vinyl Chloride	2.35	62	64797	50.550	ug/l	95
5) Bromomethane	2.77	94	62195	54.352	ug/l	98
6) Chloroethane	2.93	64	43821	52.507	ug/l	91
7) Trichlorofluoromethane	3.28	101	195216	49.769	ug/l	97
8) Diethyl Ether	3.71	74	36516	47.764	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	88684	49.582	ug/l	97
10) Methyl Iodide	4.30	142	88531	46.698	ug/l	97
11) Tert butyl alcohol	5.21	59	25717	223.931	ug/l	99
12) 1,1-Dichloroethene	4.07	96	83253	49.578	ug/l	91
13) Acrolein	3.93	56	18499	221.277	ug/l	100
14) Allyl chloride	4.71	41	76478	49.231	ug/l	92
15) Acrylonitrile	5.42	53	62199	234.636	ug/l	98
16) Acetone	4.15	43	61838	230.032	ug/l	97
17) Carbon Disulfide	4.41	76	216782	46.238	ug/l	99
18) Methyl Acetate	4.72	43	23833	47.200	ug/l	92
19) Methyl tert-butyl Ether	5.47	73	186833	51.960	ug/l	99
20) Methylene Chloride	4.97	84	91977	53.072	ug/l	94
21) trans-1,2-Dichloroethene	5.48	96	95512	49.985	ug/l	98
22) Diisopropyl ether	6.36	45	155027	49.618	ug/l	96
23) Vinyl Acetate	6.31	43	441293	253.886	ug/l	99
24) 1,1-Dichloroethane	6.26	63	136835	49.961	ug/l	96
25) 2-Butanone	7.21	43	65055	230.079	ug/l	100
26) 2,2-Dichloropropane	7.21	77	169278	51.831	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	105634	50.542	ug/l	98
28) Bromochloromethane	7.56	49	42044	48.350	ug/l	96
29) Tetrahydrofuran	7.56	42	36500	226.717	ug/l	94
30) Chloroform	7.71	83	186477	50.948	ug/l	97
31) Cyclohexane	7.99	56	104824	45.734	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	201380	52.121	ug/l	98
36) 1,1-Dichloropropene	8.11	75	129411	50.419	ug/l	98
37) Ethyl Acetate	7.30	43	28732	41.534	ug/l	98
38) Carbon Tetrachloride	8.10	117	198897	51.216	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	148717	48.893	ug/l	96
40) Benzene	8.36	78	343733	48.942	ug/l	99
41) Methacrylonitrile	7.53	41	24160	75.860	ug/l #	75
42) 1,2-Dichloroethane	8.43	62	126585	50.571	ug/l	100
43) Isopropyl Acetate	8.46	43	64191	47.160	ug/l #	58
44) Trichloroethene	9.11	130	117924	48.836	ug/l	97
45) 1,2-Dichloropropane	9.39	63	65946	45.749	ug/l	94
46) Dibromomethane	9.48	93	48905	48.797	ug/l	98
47) Bromodichloromethane	9.66	83	141703	49.595	ug/l	98
48) Methyl methacrylate	9.46	41	30566	44.224	ug/l	92
49) 1,4-Dioxane	9.46	88	8336	727.909	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	146795	227.869	ug/l	97
52) Toluene	10.41	92	243768	49.644	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	121546	49.287	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	135990	50.696	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	62359	45.466	ug/l	97
56) Ethyl methacrylate	10.67	69	63193	45.284	ug/l	95
57) 1,3-Dichloropropane	10.95	76	101112	46.539	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	156542	246.524	ug/l	96
59) 2-Hexanone	10.98	43	105684	232.717	ug/l	98
60) Dibromochloromethane	11.14	129	102720	49.683	ug/l	97
61) 1,2-Dibromoethane	11.25	107	64242	47.630	ug/l	97
64) Tetrachloroethene	10.88	164	105865	48.281	ug/l	96
65) Chlorobenzene	11.67	112	273214	49.258	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	112056	49.532	ug/l	96
67) Ethyl Benzene	11.75	91	483477	51.169	ug/l	98
68) m/p-Xylenes	11.86	106	372847	100.074	ug/l	99
69) o-Xylene	12.18	106	175110	52.942	ug/l	98
70) Styrene	12.20	104	293460	51.024	ug/l	99
71) Bromoform	12.37	173	57611	48.109	ug/l #	93
73) Isopropylbenzene	12.48	105	491214	52.993	ug/l	99
74) N-amyl acetate	12.29	43	54962	47.935	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	53415	43.647	ug/l	94
76) 1,2,3-Trichloropropane	12.78	75	86496	88.119	ug/l	30
77) Bromobenzene	12.77	156	119389	51.808	ug/l	98
78) n-propylbenzene	12.83	91	540965	52.655	ug/l	100
79) 2-Chlorotoluene	12.91	91	312131	51.643	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	433450	54.009	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	17972	43.797	ug/l	94
82) 4-Chlorotoluene	13.01	91	335387	52.020	ug/l	99
83) tert-Butylbenzene	13.23	119	371587	54.410	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	424076	53.139	ug/l	97
85) sec-Butylbenzene	13.40	105	473734	51.972	ug/l	100
86) p-Isopropyltoluene	13.52	119	470007	52.611	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	224971	50.609	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	225546	50.716	ug/l	99
89) n-Butylbenzene	13.85	91	395030	53.225	ug/l	100
90) Hexachloroethane	14.11	117	84409	51.178	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	193435	50.172	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	13022	50.986	ug/l	83

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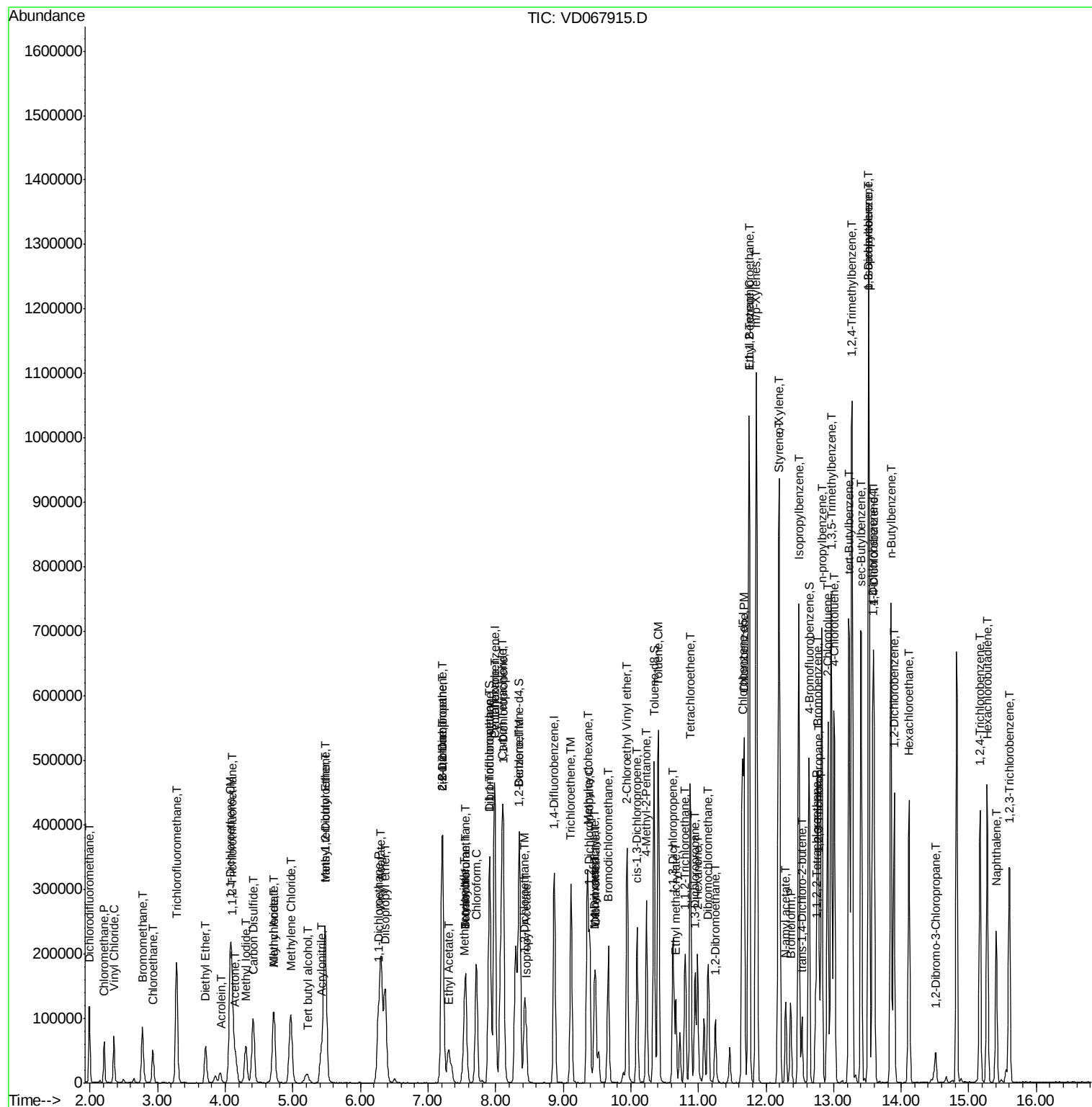
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	141911	52.621	ug/l	100
94) Hexachlorobutadiene	15.27	225	91631	52.070	ug/l	98
95) Naphthalene	15.41	128	218614	49.817	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	120465	51.725	ug/l	99

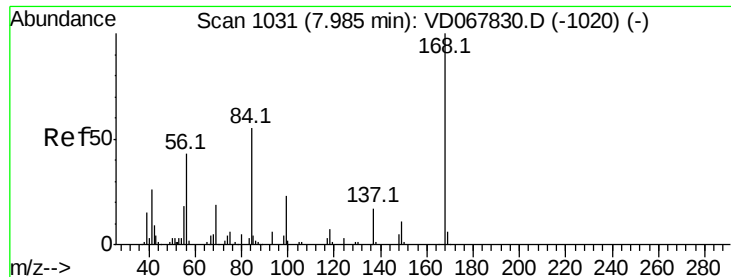
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

Instrument :

MSVOA_D

ClientSampleId :

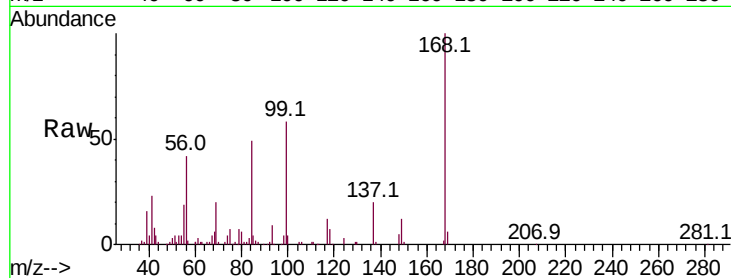
VSTDCCC050EC

Tot Ion:168 Resp: 202646

Ion Ratio Lower Upper

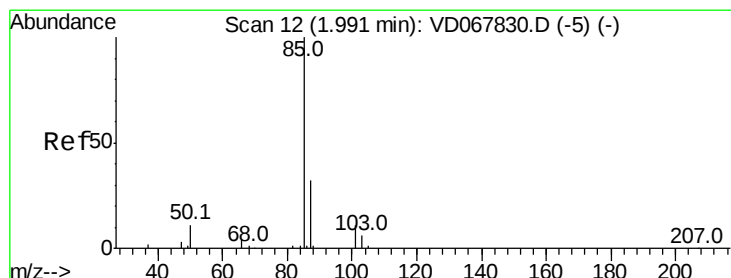
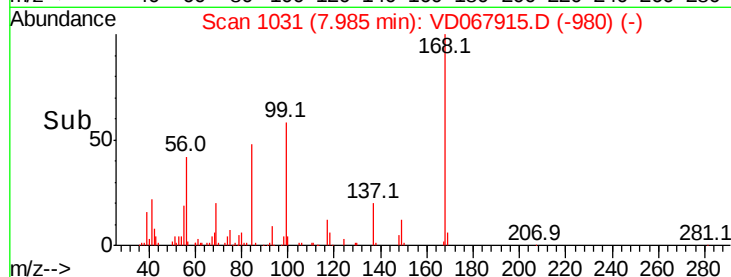
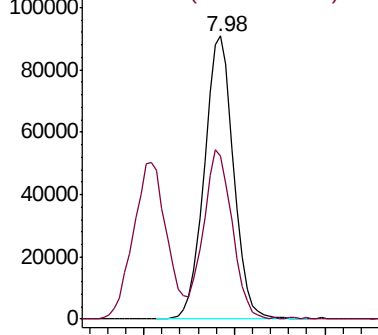
168 100

99 57.1 47.1 70.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 50.449 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067915.D

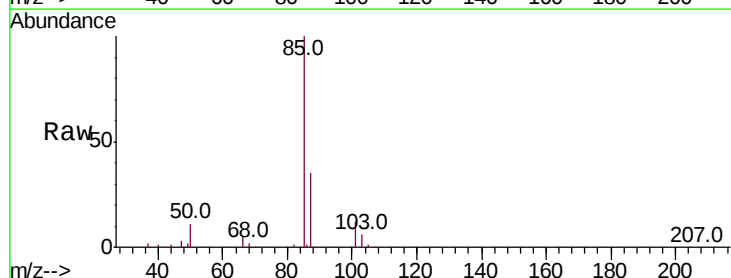
Acq: 08 Dec 2020 16:35

Tgt Ion: 85 Resp: 88971

Ion Ratio Lower Upper

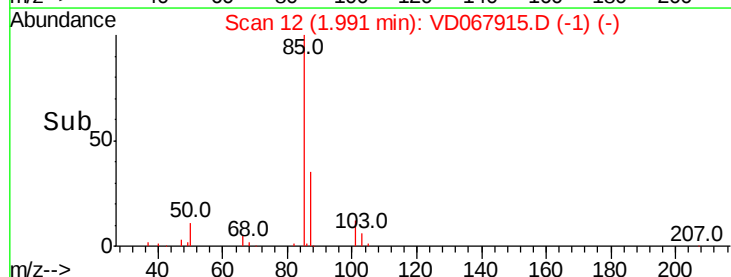
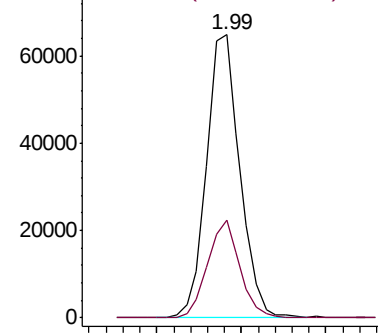
85 100

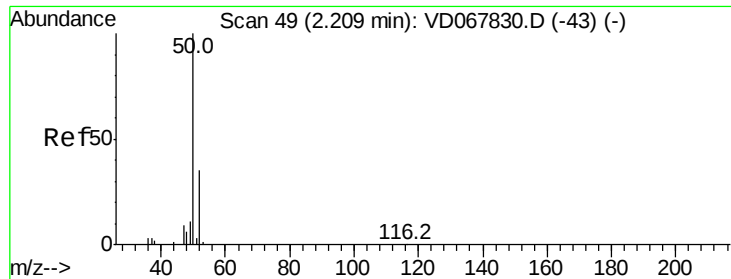
87 34.8 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 49.245 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

Instrument :

MSVOA_D

ClientSampleId :

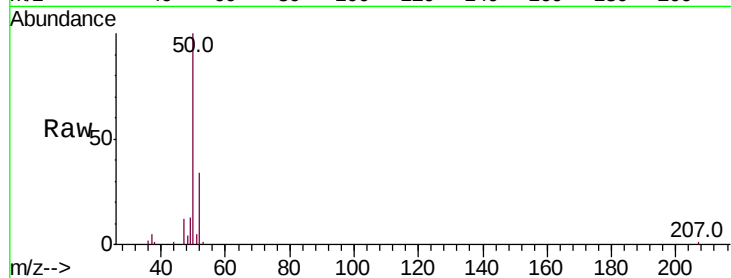
VSTDCCC050EC

Tot Ion: 50 Resp: 50121

Ion Ratio Lower Upper

50 100

52 33.7 27.8 41.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

40000

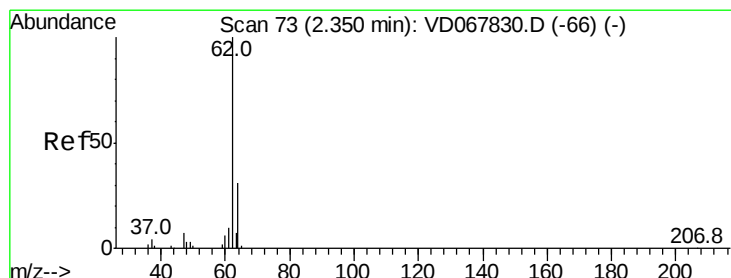
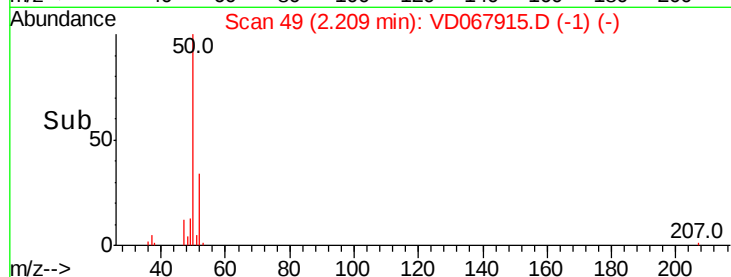
30000

20000

10000

0

Time-->



#4

Vinyl Chloride

Concen: 50.550 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067915.D

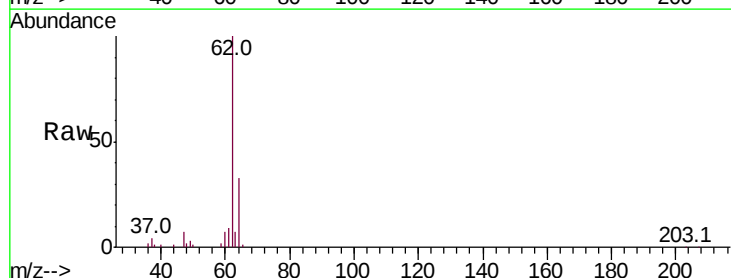
Acq: 08 Dec 2020 16:35

Tgt Ion: 62 Resp: 64797

Ion Ratio Lower Upper

62 100

64 33.3 24.5 36.7



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

40000

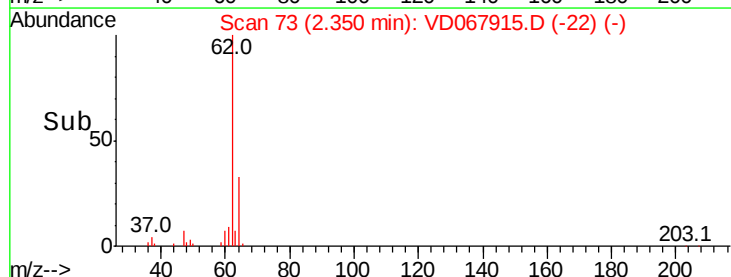
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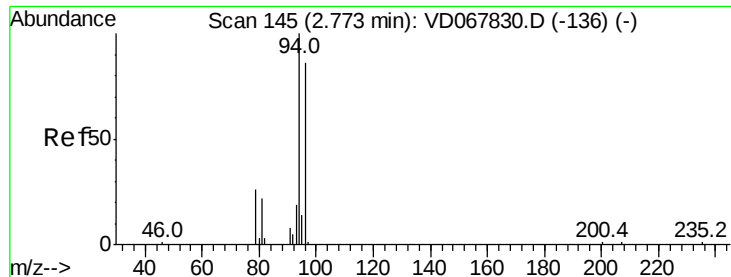
20000

10000

0

Time-->





#5

Bromomethane

Concen: 54.352 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

Instrument :

MSVOA_D

ClientSampleId :

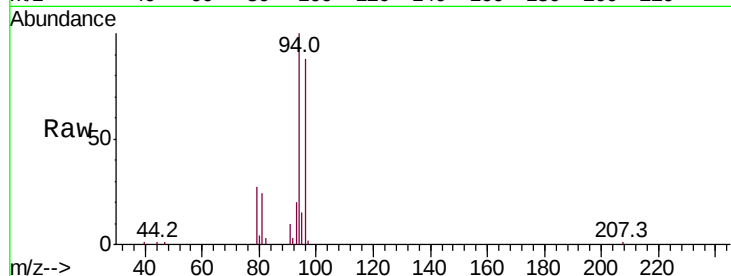
VSTDCCC050EC

Tot Ion: 94 Resp: 62195

Ion Ratio Lower Upper

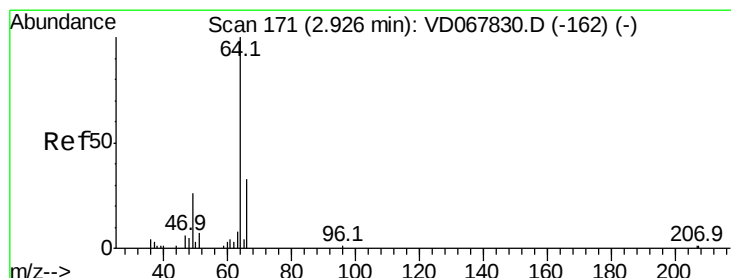
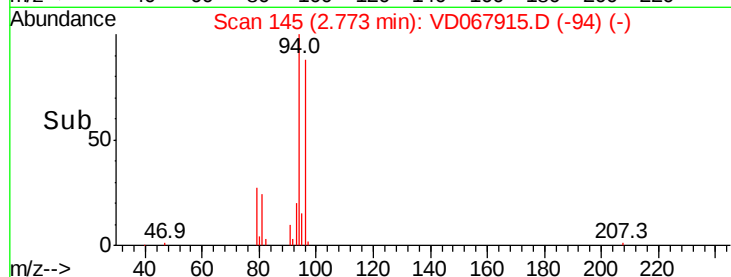
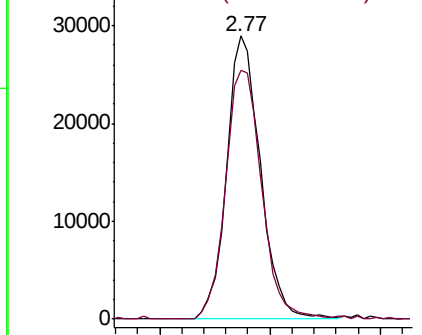
94 100

96 87.9 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: 52.507 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD067915.D

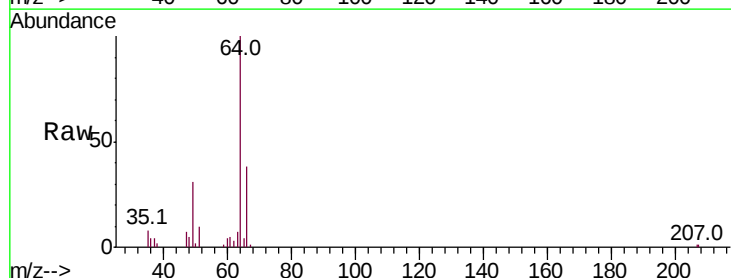
Acq: 08 Dec 2020 16:35

Tgt Ion: 64 Resp: 43821

Ion Ratio Lower Upper

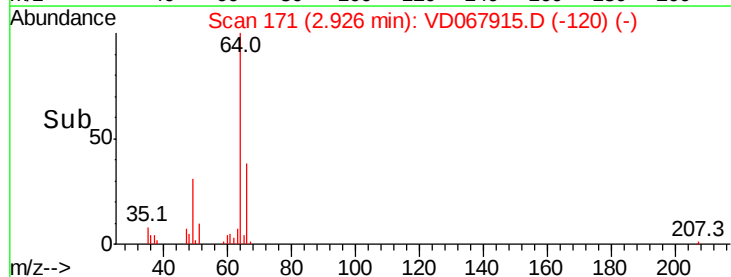
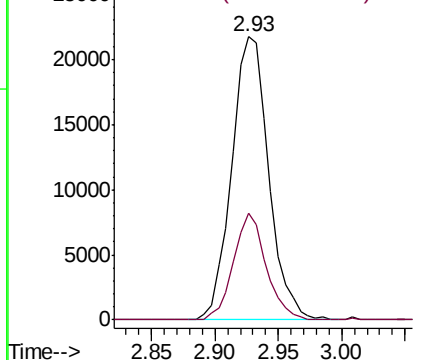
64 100

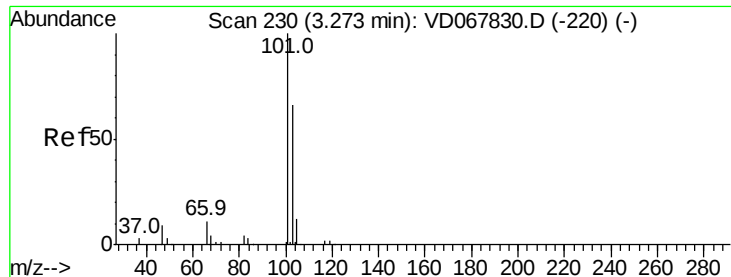
66 37.8 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



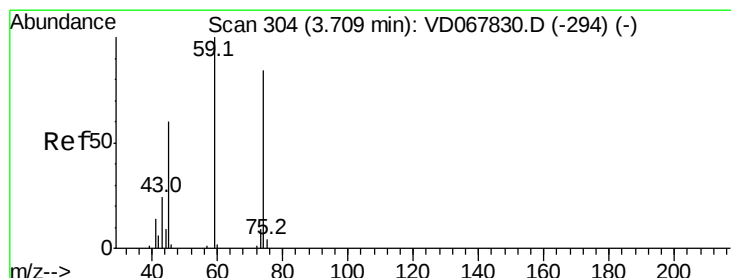
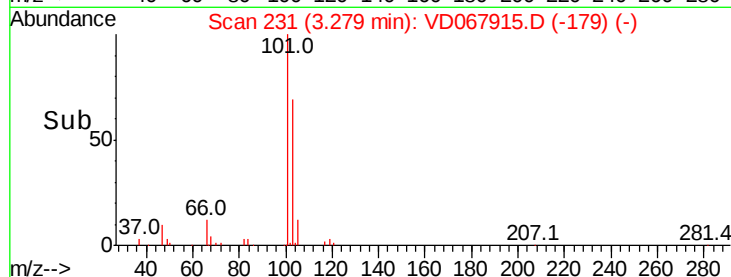
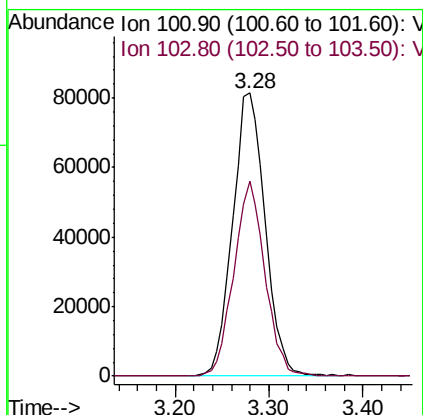
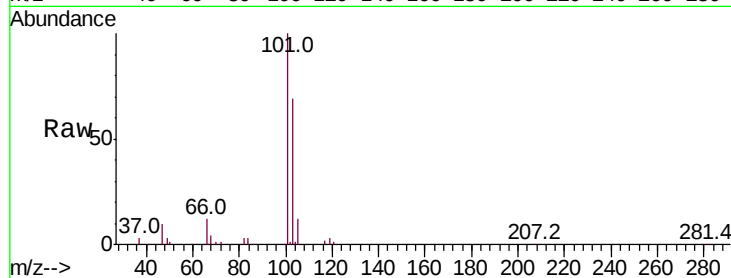


#7

Trichlorofluoromethane
 Concen: 49.769 ug/l
 RT: 3.28 min Scan# 231
 Delta R.T. 0.01 min
 Lab File: VD067915.D
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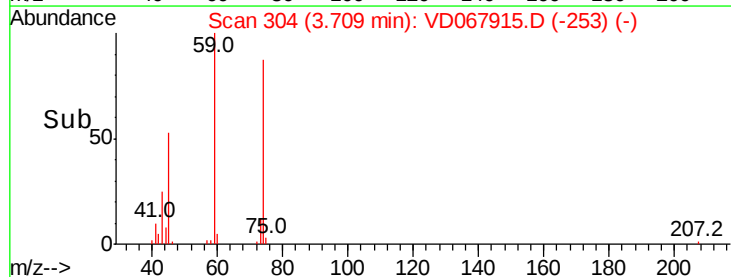
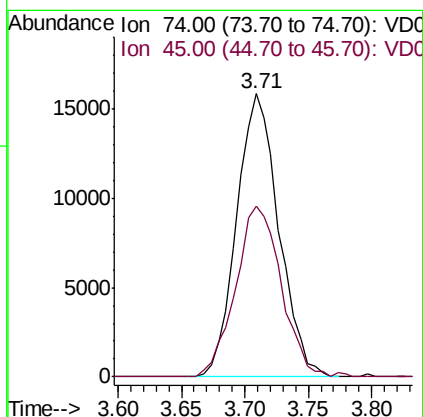
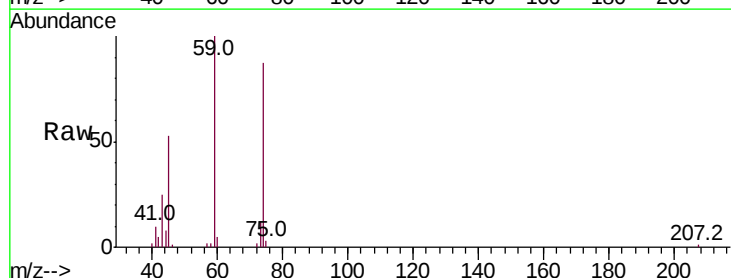
Tot Ion:101 Resp: 195216
 Ion Ratio Lower Upper
 101 100
 103 68.7 53.0 79.6

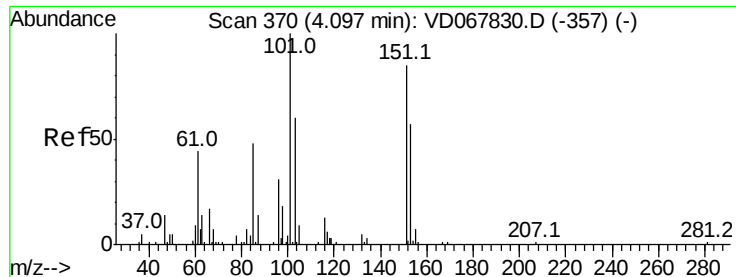


#8

Diethyl Ether
 Concen: 47.764 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD067915.D
 Acq: 08 Dec 2020 16:35

Tgt Ion: 74 Resp: 36516
 Ion Ratio Lower Upper
 74 100
 45 65.4 33.9 101.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.582 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

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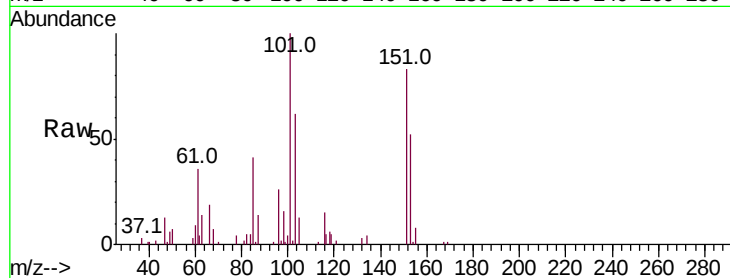
Tot Ion:101 Resp: 88684

Ion Ratio Lower Upper

101 100

85 46.7 36.2 54.4

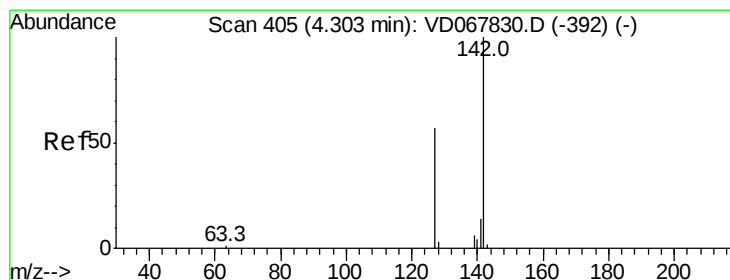
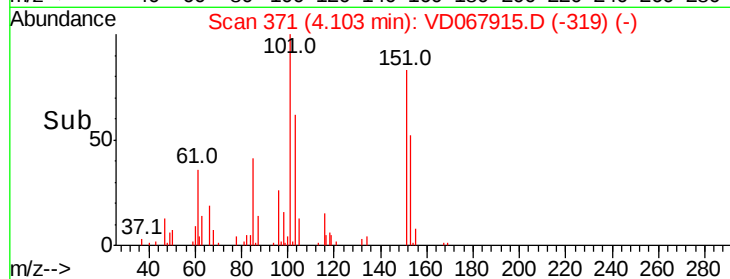
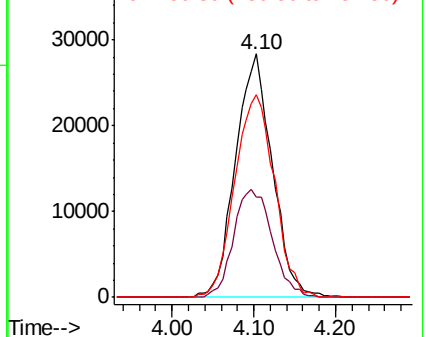
151 89.5 69.4 104.2



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: 46.698 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

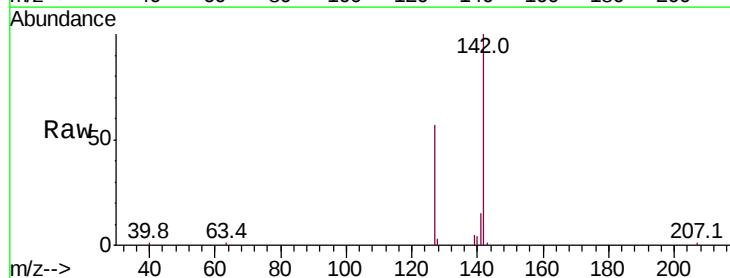
Tgt Ion:142 Resp: 88531

Ion Ratio Lower Upper

142 100

127 57.2 43.9 65.9

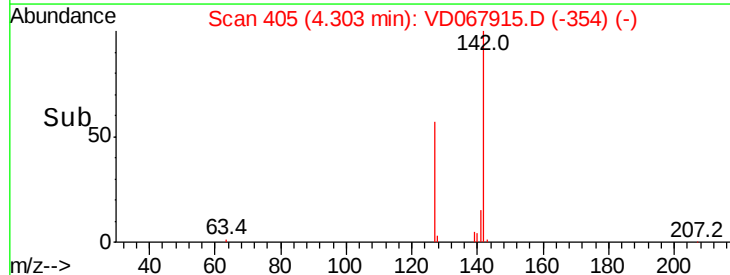
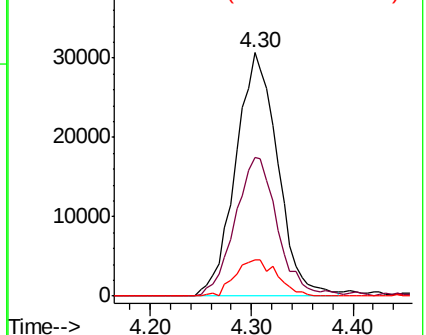
141 15.2 12.2 18.2

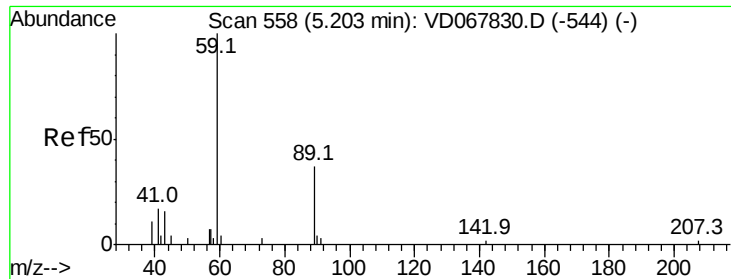


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

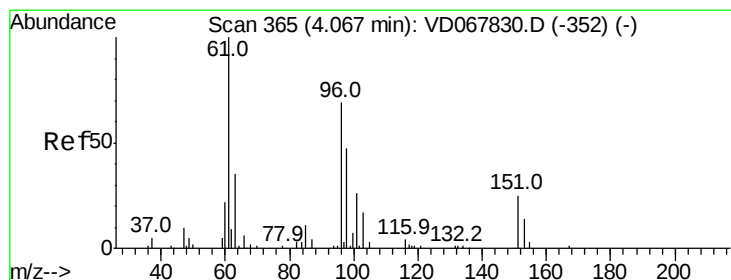
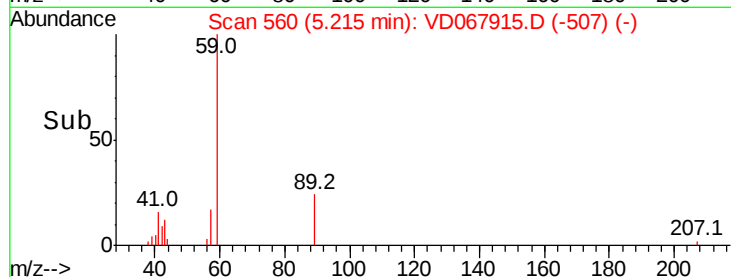
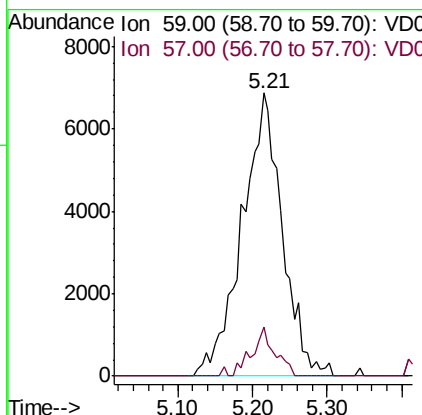
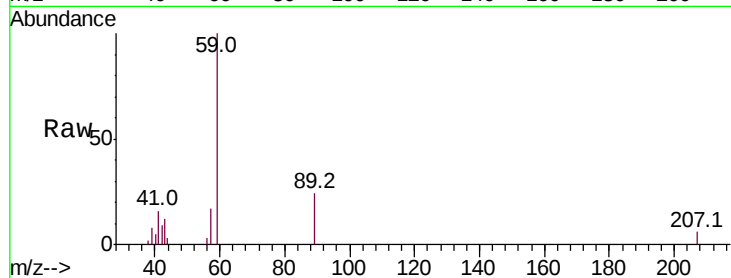




#11
Tert butyl alcohol
Concen: 223.931 ug/l
RT: 5.21 min Scan# 560
Delta R.T. 0.01 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

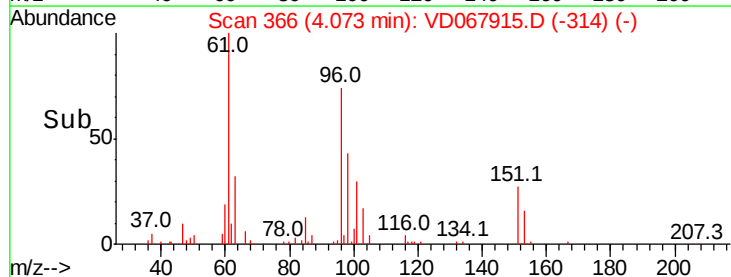
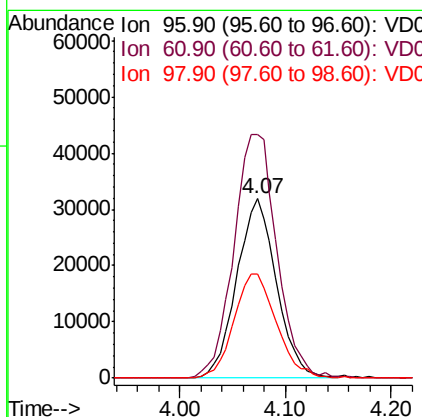
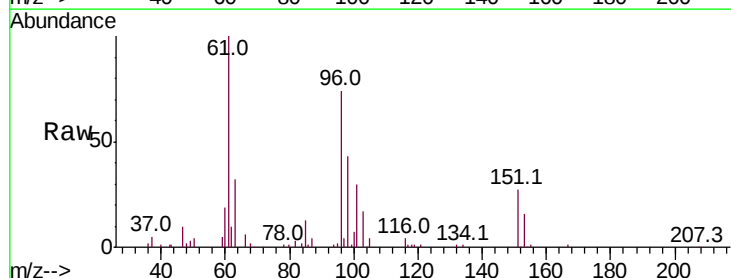
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

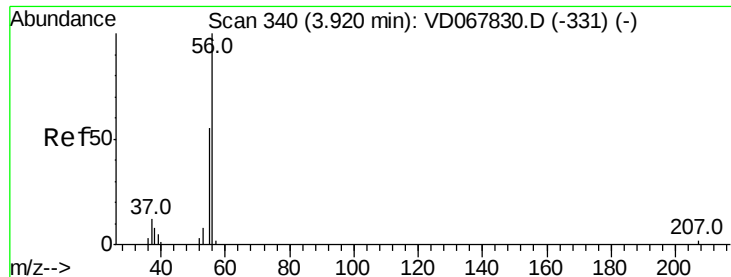
Tot Ion: 59 Resp: 25717
Ion Ratio Lower Upper
59 100
57 9.9 7.7 11.5



#12
1,1-Dichloroethene
Concen: 49.578 ug/l
RT: 4.07 min Scan# 366
Delta R.T. 0.01 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Tgt Ion: 96 Resp: 83253
Ion Ratio Lower Upper
96 100
61 135.6 116.1 174.1
98 57.8 54.6 82.0





#13

Acrolein

Concen: 221.277 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

Instrument :

MSVOA_D

ClientSampleId :

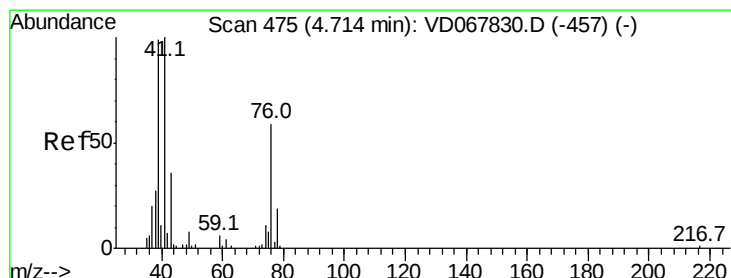
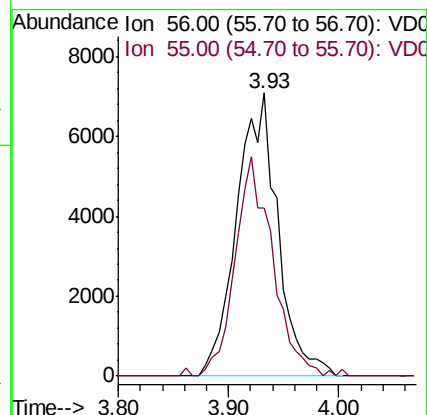
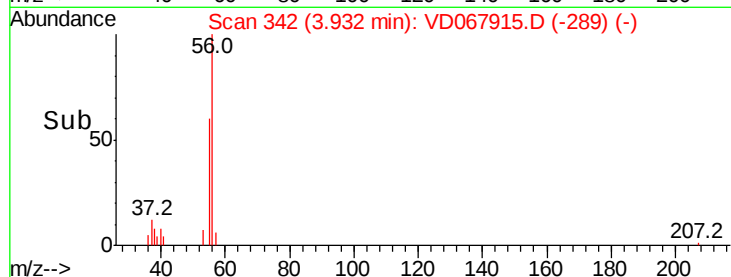
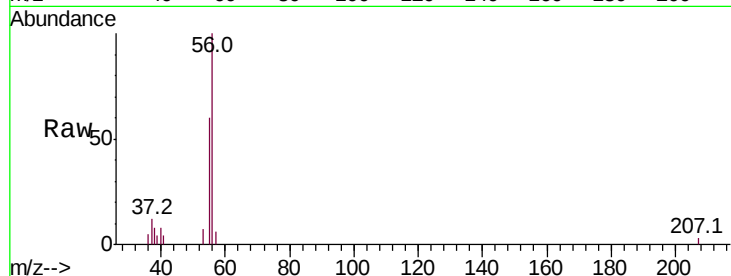
VSTDCCC050EC

Tot Ion: 56 Resp: 18499

Ion Ratio Lower Upper

56 100

55 70.4 56.5 84.7



#14

Allyl chloride

Concen: 49.231 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

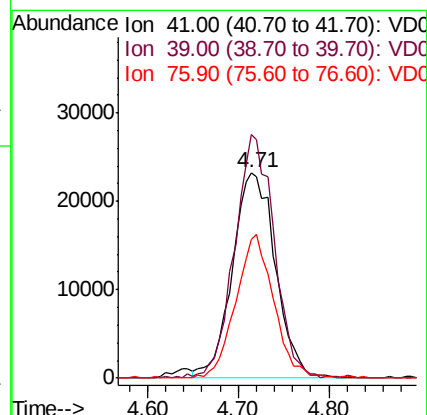
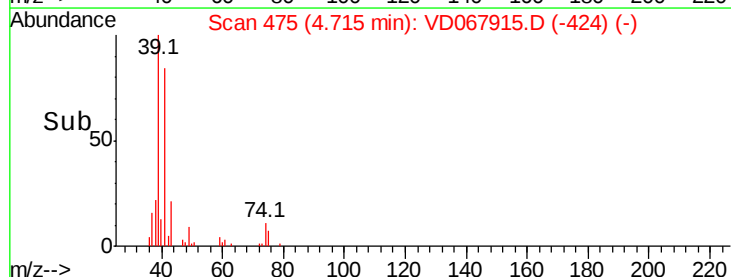
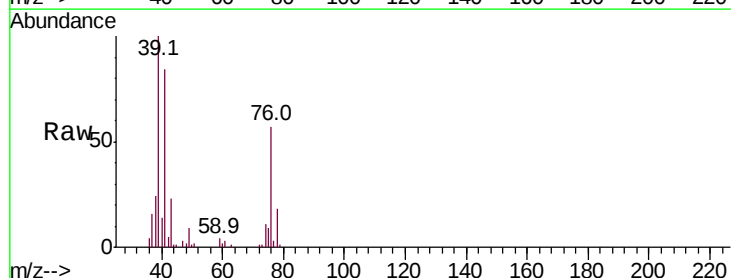
Tgt Ion: 41 Resp: 76478

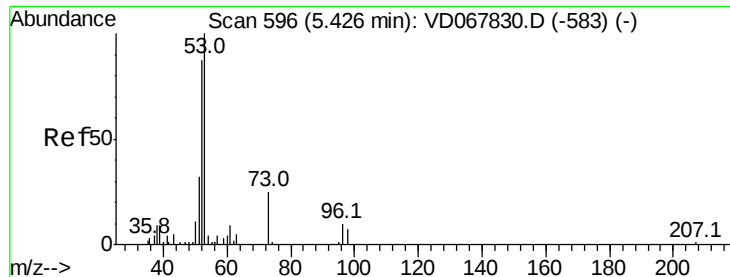
Ion Ratio Lower Upper

41 100

39 109.0 79.0 118.6

76 61.6 46.6 70.0





#15

Acrylonitrile

Concen: 234.636 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

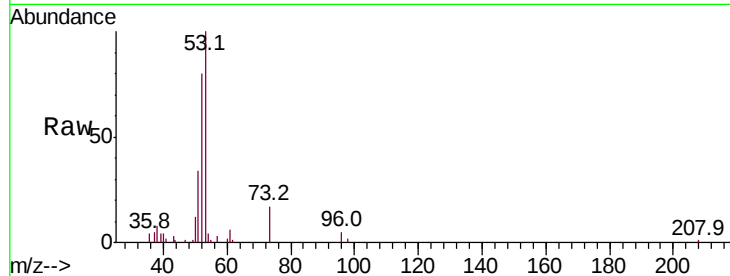
Tot Ion: 53 Resp: 62199

Ion Ratio Lower Upper

53 100

52 84.3 66.2 99.2

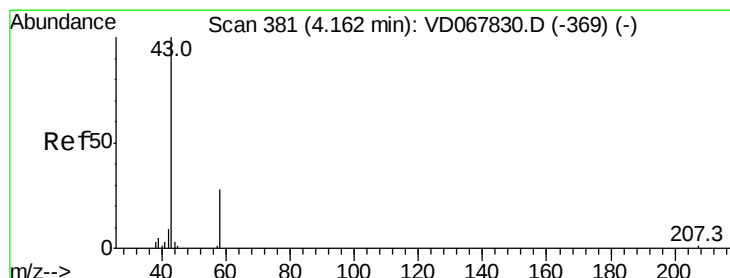
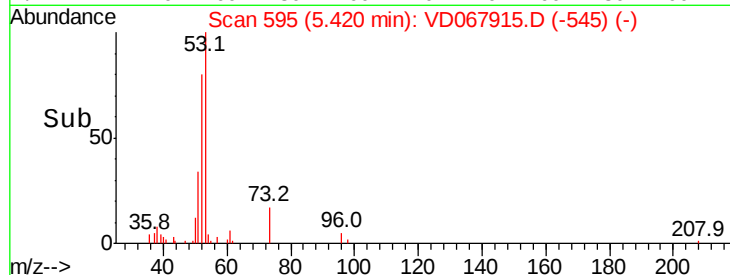
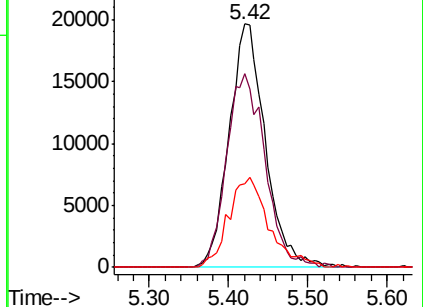
51 41.2 31.1 46.7



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: 230.032 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD067915.D

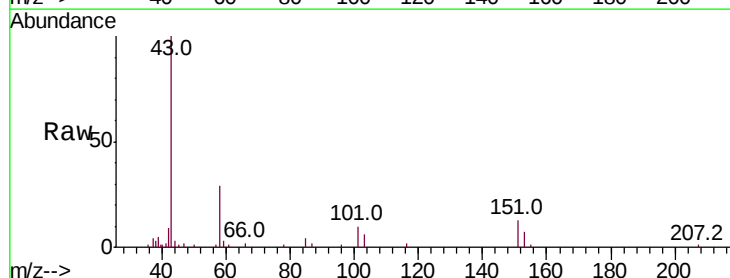
Acq: 08 Dec 2020 16:35

Tgt Ion: 43 Resp: 61838

Ion Ratio Lower Upper

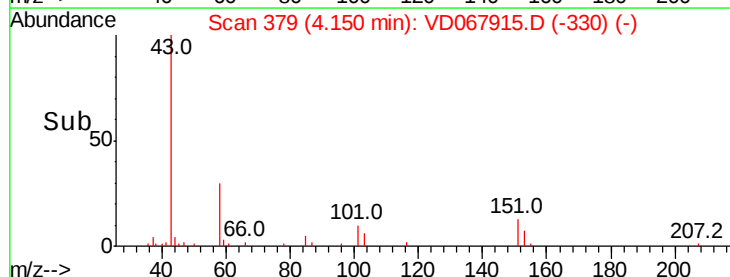
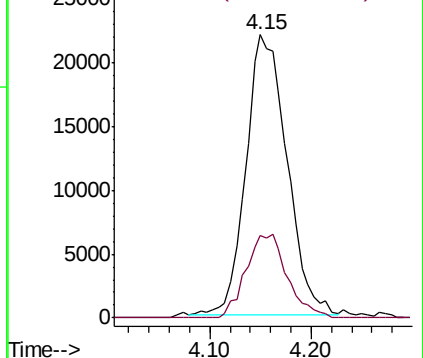
43 100

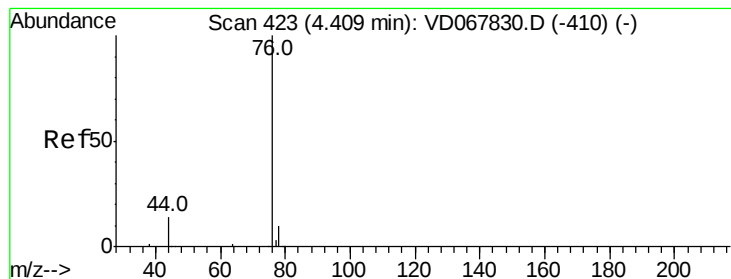
58 29.2 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 46.238 ug/l

RT: 4.41 min Scan# 424

Delta R.T. 0.01 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

Instrument :

MSVOA_D

ClientSampleId :

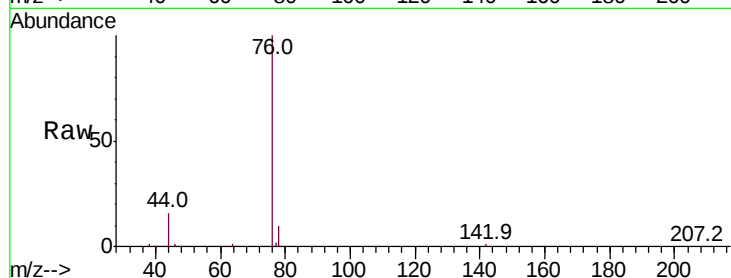
VSTDCCC050EC

Tot Ion: 76 Resp: 216782

Ion Ratio Lower Upper

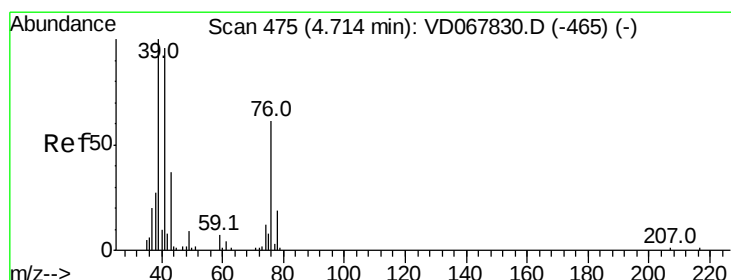
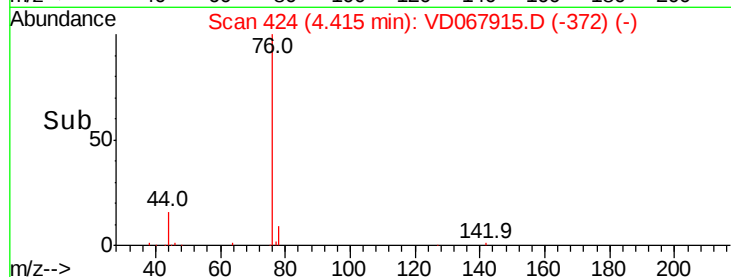
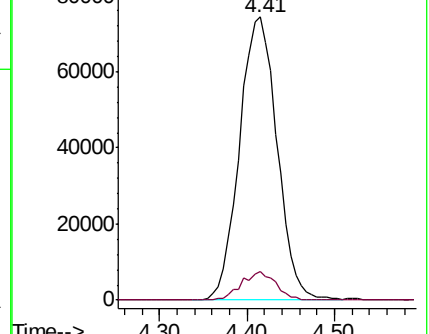
76 100

78 10.0 7.8 11.6



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 47.200 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067915.D

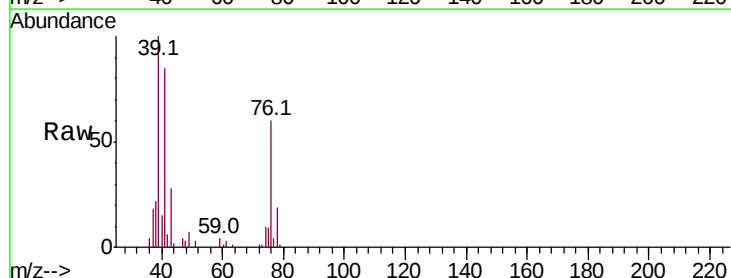
Acq: 08 Dec 2020 16:35

Tgt Ion: 43 Resp: 23833

Ion Ratio Lower Upper

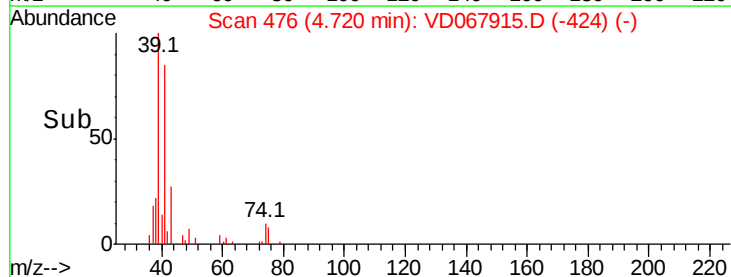
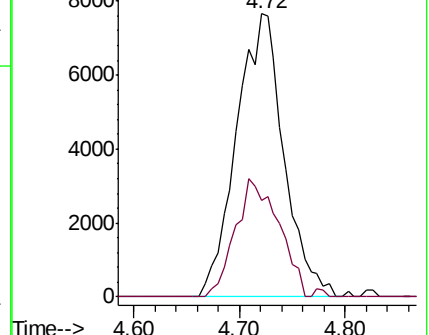
43 100

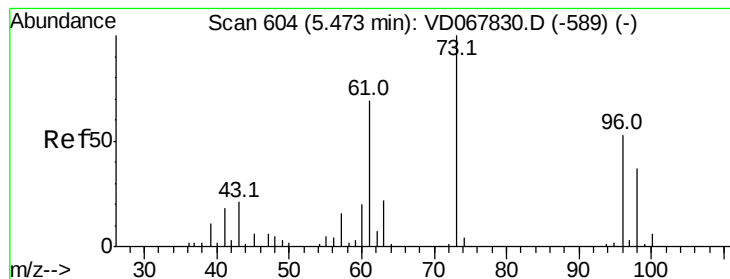
74 38.2 27.0 40.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



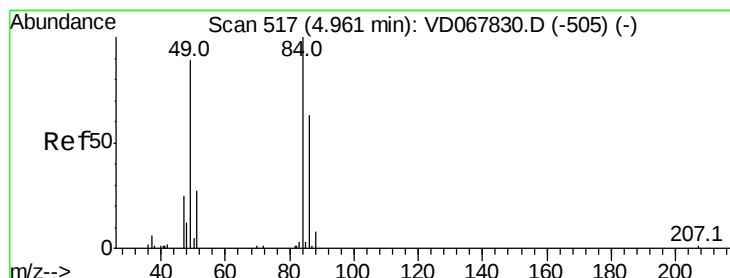
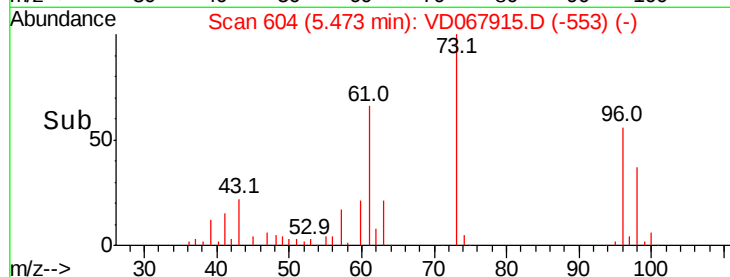
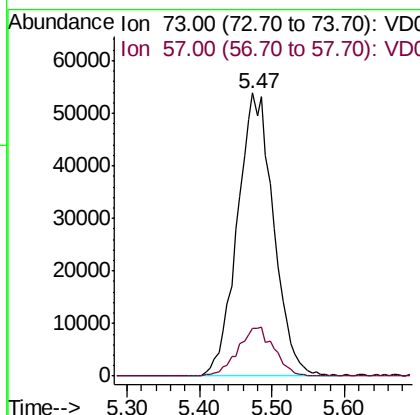
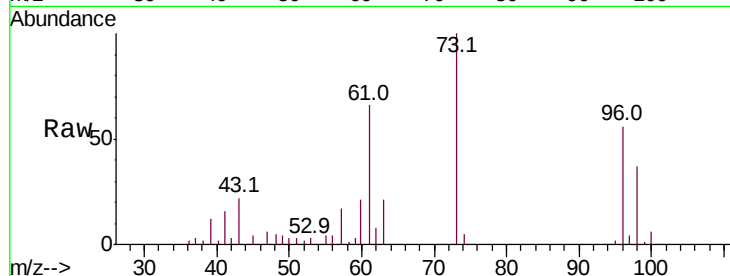


#19

Methyl tert-butyl Ether
 Concen: 51.960 ug/l
 RT: 5.47 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VD067915.D
 Acq: 08 Dec 2020 16:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

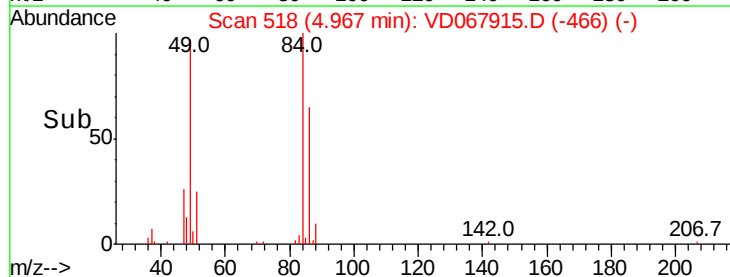
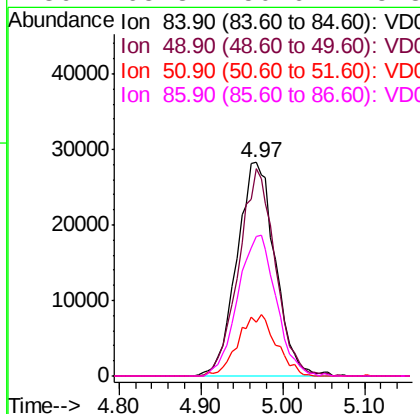
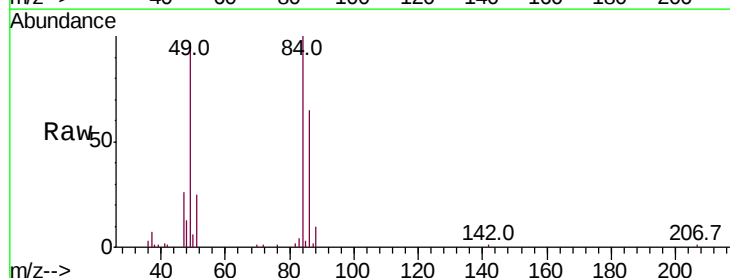
Tot Ion: 73 Resp: 186833
 Ion Ratio Lower Upper
 73 100
 57 16.9 13.2 19.8

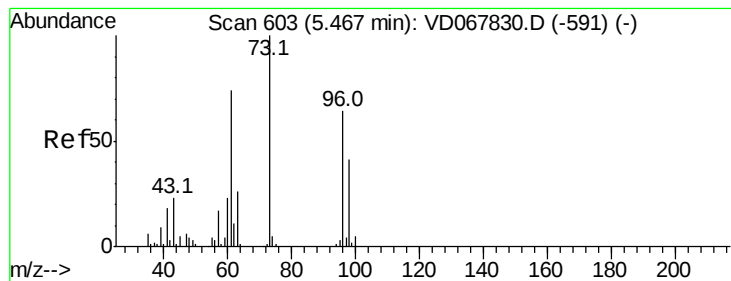


#20

Methylene Chloride
 Concen: 53.072 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD067915.D
 Acq: 08 Dec 2020 16:35

Tgt Ion: 84 Resp: 91977
 Ion Ratio Lower Upper
 84 100
 49 97.3 71.4 107.0
 51 25.4 21.8 32.8
 86 65.3 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 49.985 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.01 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

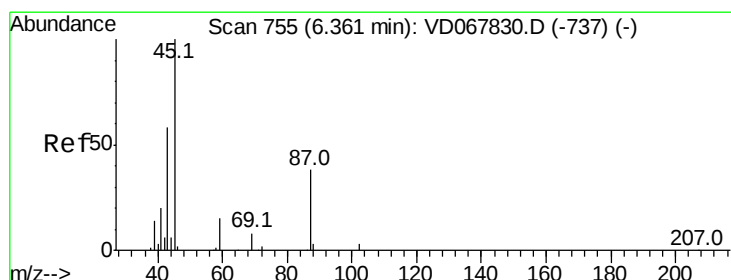
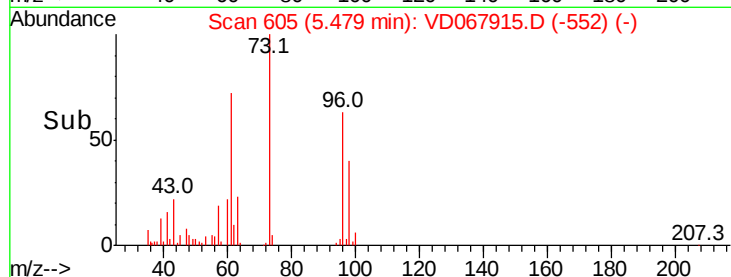
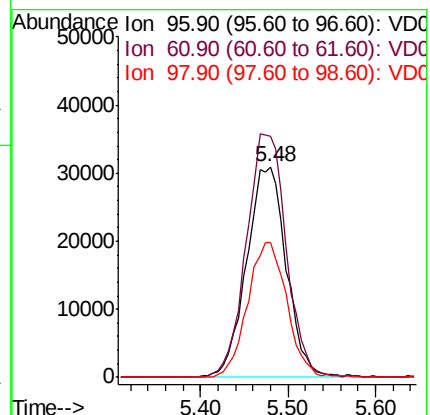
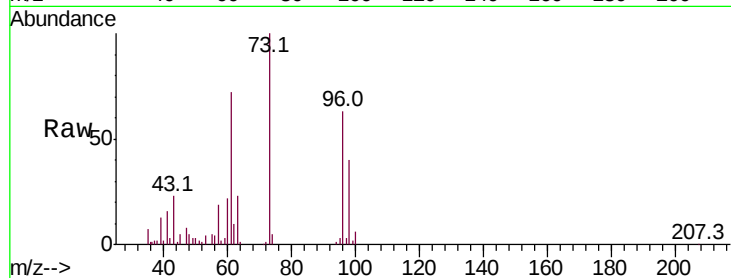
Tot Ion: 96 Resp: 95512

Ion Ratio Lower Upper

96 100

61 114.4 93.1 139.7

98 64.2 52.2 78.2



#22

Diisopropyl ether

Concen: 49.618 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

Tgt Ion: 45 Resp: 155027

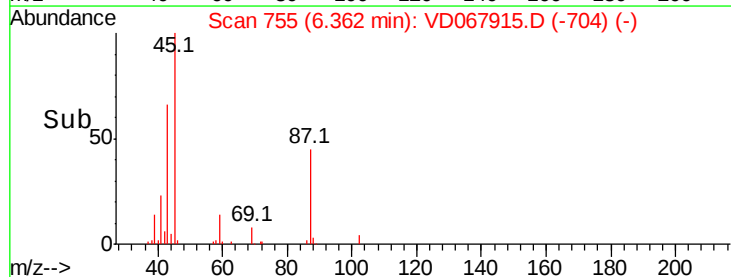
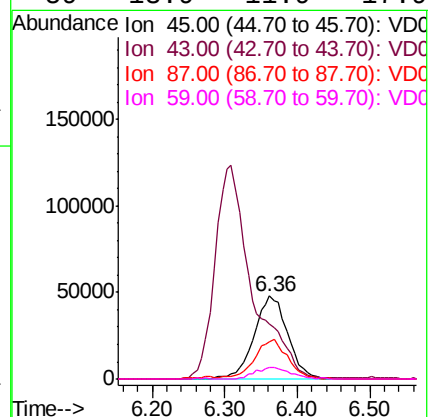
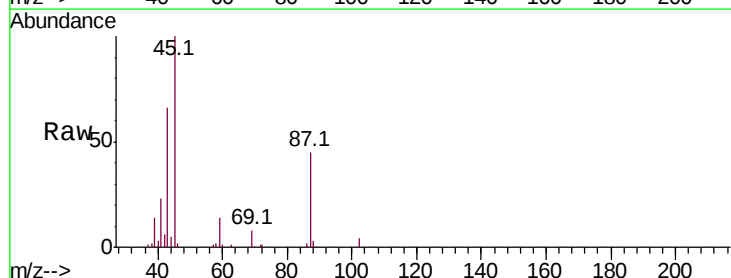
Ion Ratio Lower Upper

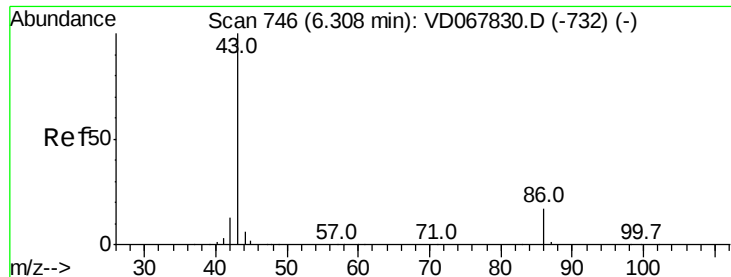
45 100

43 64.3 49.8 74.6

87 44.9 32.1 48.1

59 13.9 11.9 17.9





#23

Vinyl Acetate

Concen: 253.886 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

Instrument :

MSVOA_D

ClientSampleId :

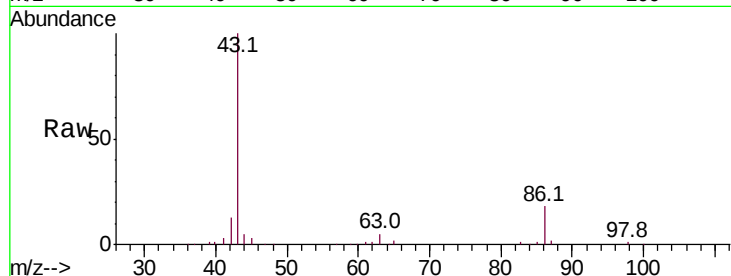
VSTDCCC050EC

Tot Ion: 43 Resp: 441293

Ion Ratio Lower Upper

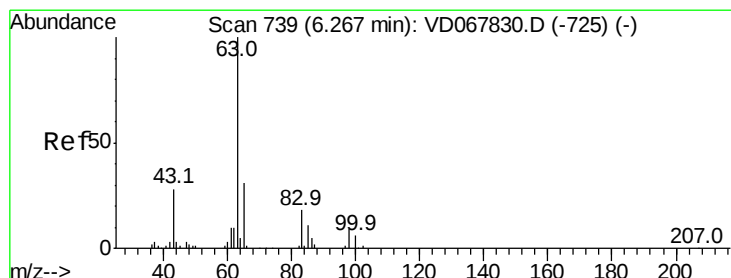
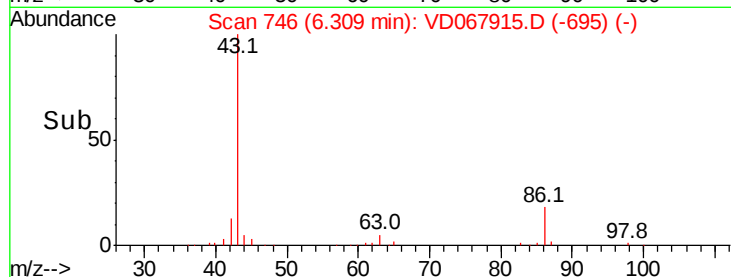
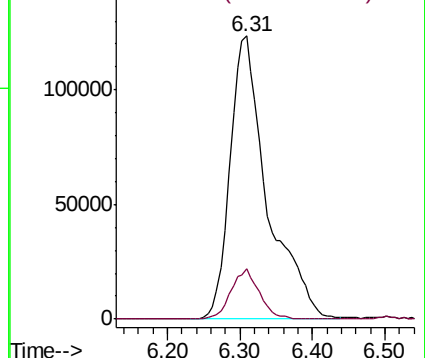
43 100

86 17.6 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: 49.961 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

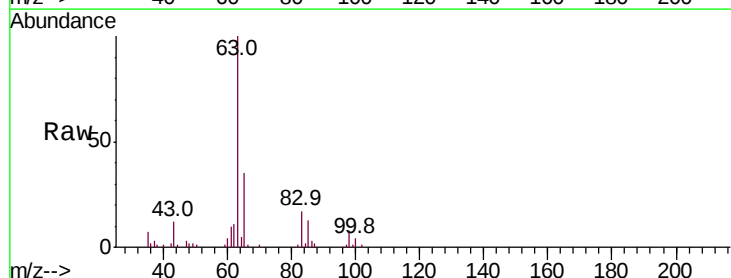
Tgt Ion: 63 Resp: 136835

Ion Ratio Lower Upper

63 100

98 8.4 4.5 13.5

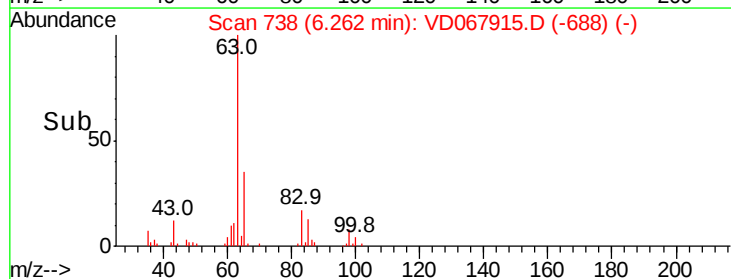
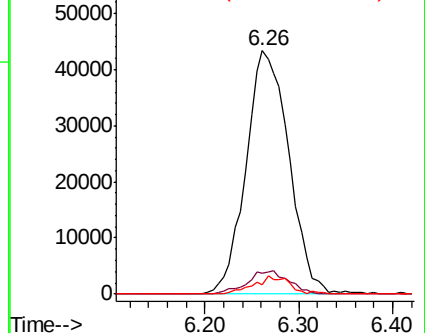
100 3.7 3.0 9.2

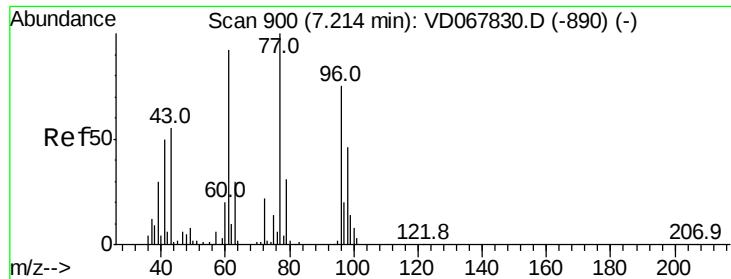


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

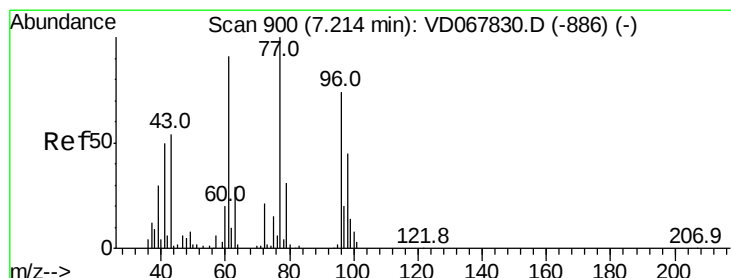
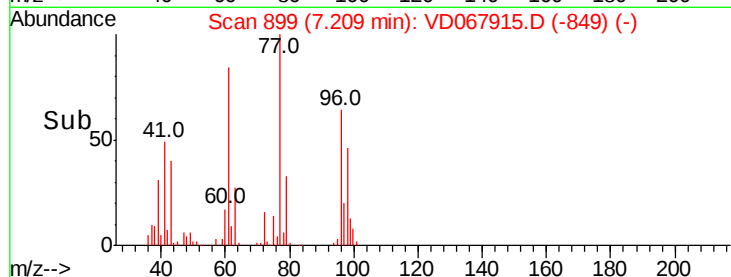
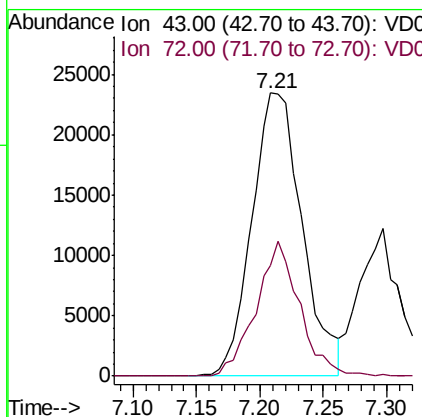
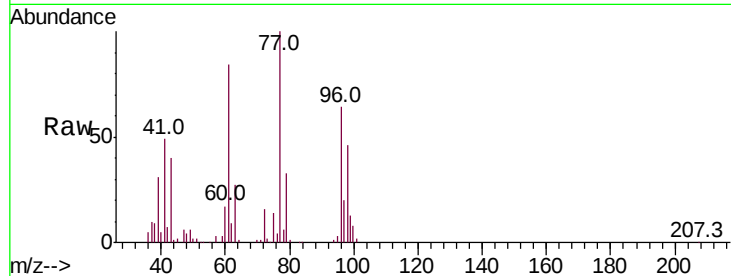




#25
 2-Butanone
 Concen: 230.079 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD067915.D
 Acq: 08 Dec 2020 16:35

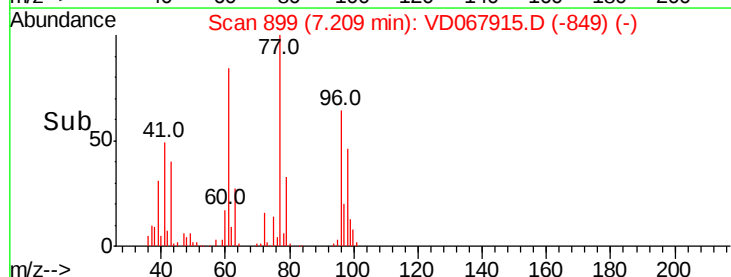
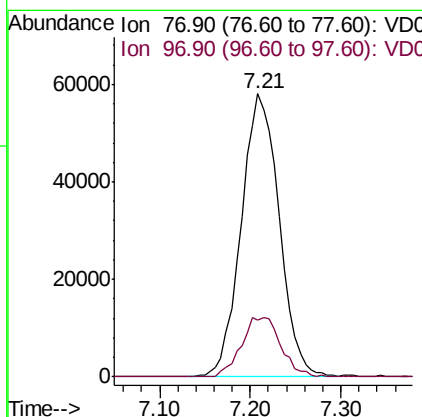
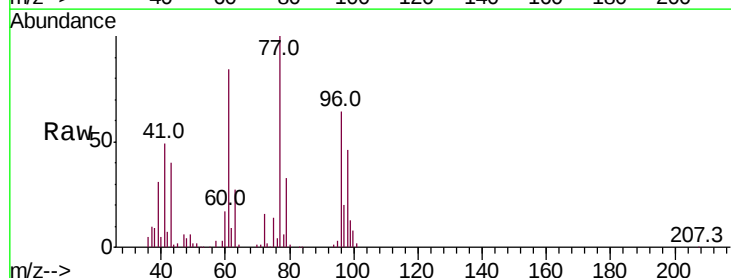
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

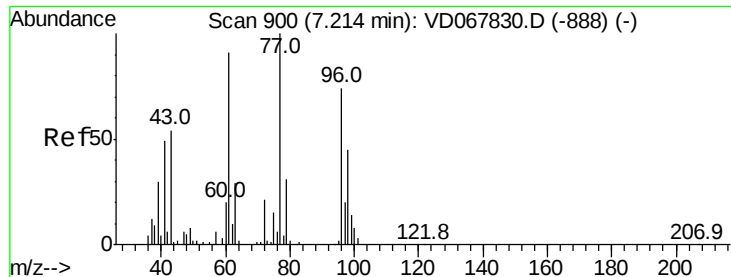
Tot Ion: 43 Resp: 65055
 Ion Ratio Lower Upper
 43 100
 72 39.1 31.3 46.9



#26
 2,2-Dichloropropane
 Concen: 51.831 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD067915.D
 Acq: 08 Dec 2020 16:35

Tgt Ion: 77 Resp: 169278
 Ion Ratio Lower Upper
 77 100
 97 22.0 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 50.542 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

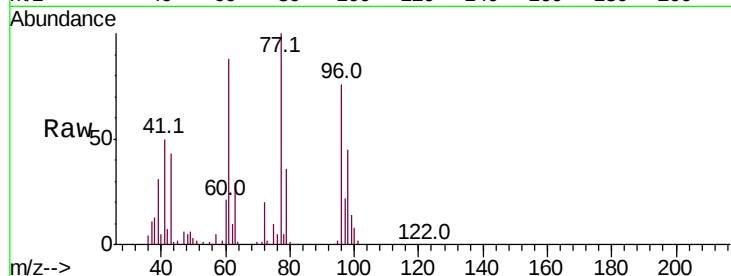
Tot Ion: 96 Resp: 105634

Ion Ratio Lower Upper

96 100

61 127.5 0.0 248.4

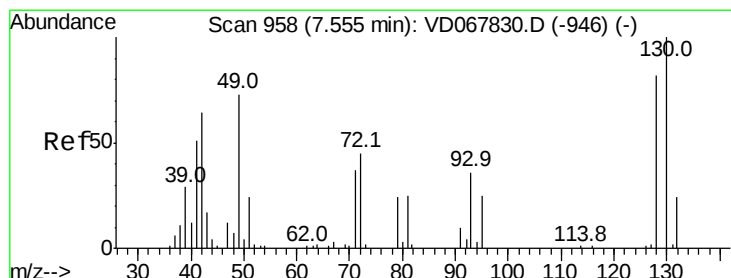
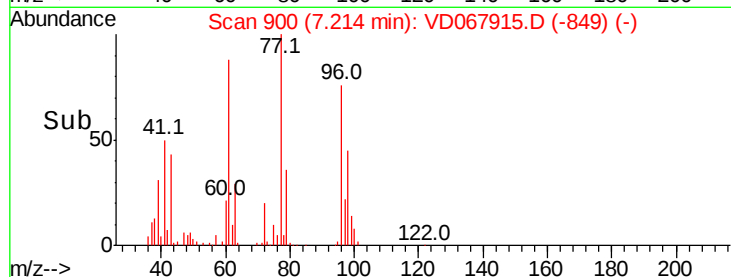
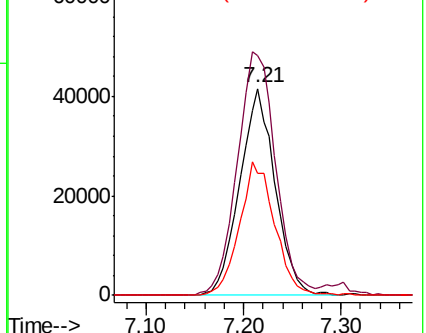
98 63.6 0.0 127.4



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: 48.350 ug/l

RT: 7.56 min Scan# 958

Delta R.T. 0.00 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

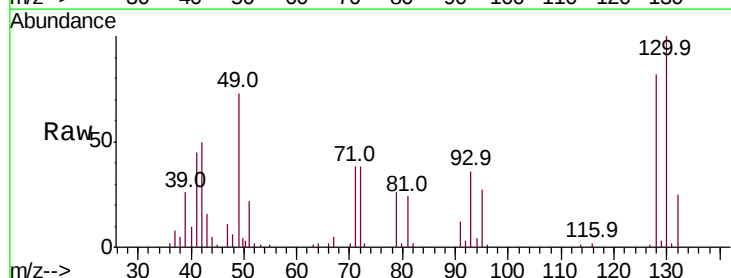
Tgt Ion: 49 Resp: 42044

Ion Ratio Lower Upper

49 100

129 2.0 0.0 3.4

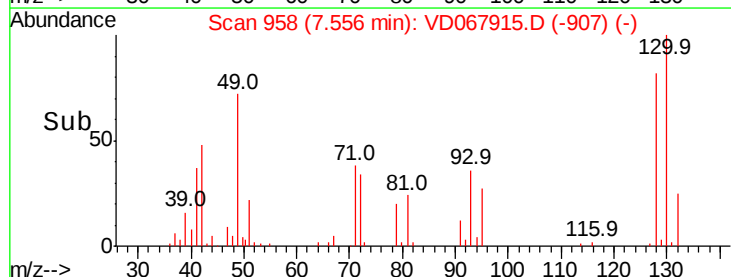
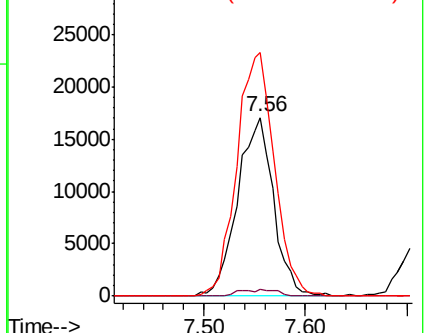
130 142.2 110.2 165.2

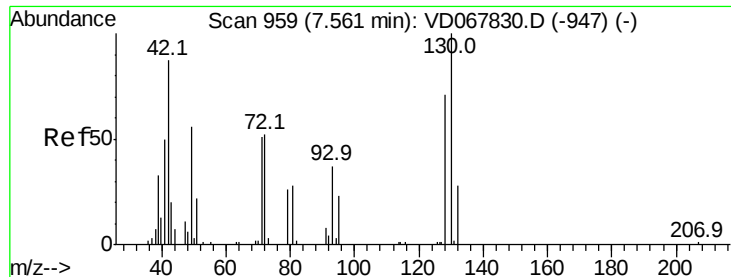


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 226.717 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.00 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

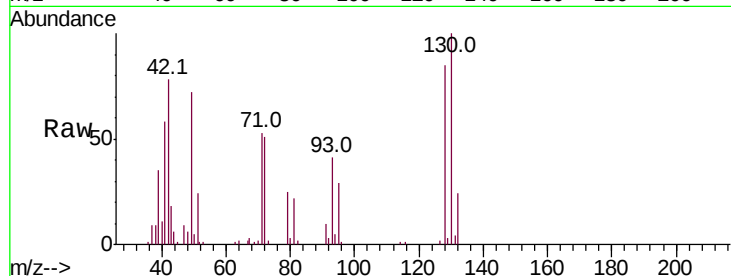
Tot Ion: 42 Resp: 36500

Ion Ratio Lower Upper

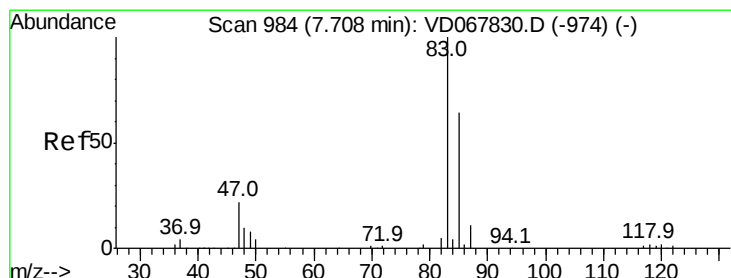
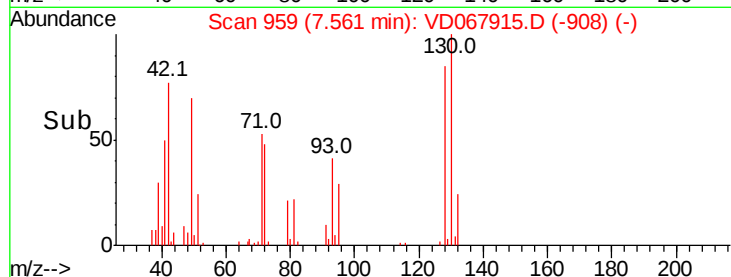
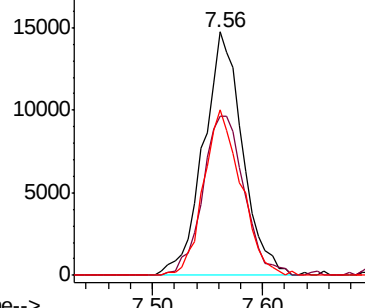
42 100

72 69.8 51.9 77.9

71 65.3 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: 50.948 ug/l

RT: 7.71 min Scan# 984

Delta R.T. 0.00 min

Lab File: VD067915.D

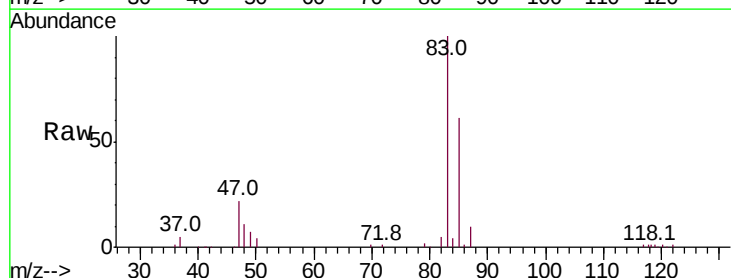
Acq: 08 Dec 2020 16:35

Tgt Ion: 83 Resp: 186477

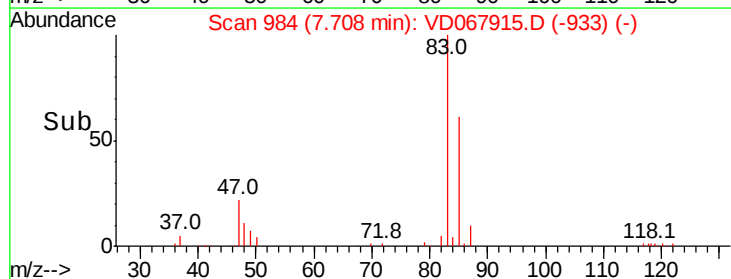
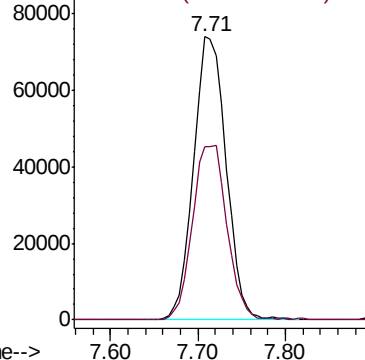
Ion Ratio Lower Upper

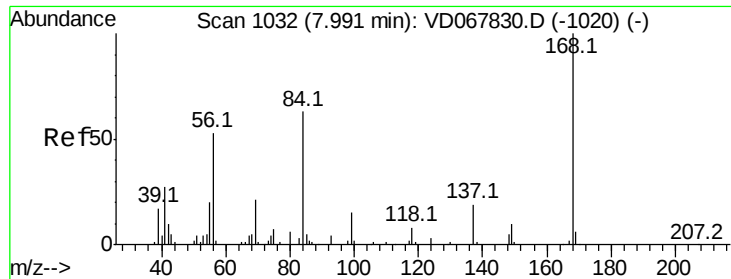
83 100

85 61.2 51.0 76.4



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

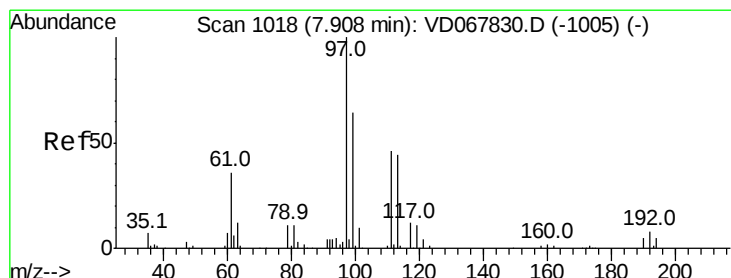
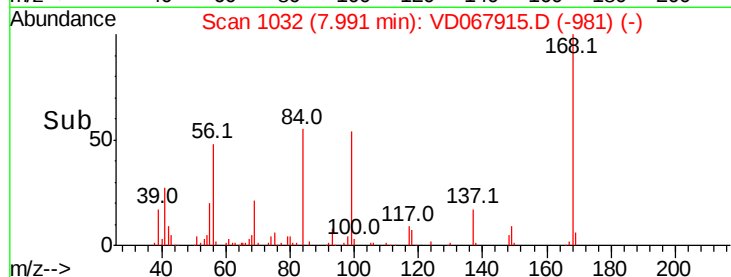
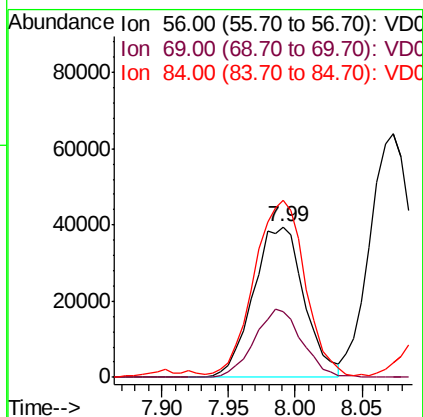
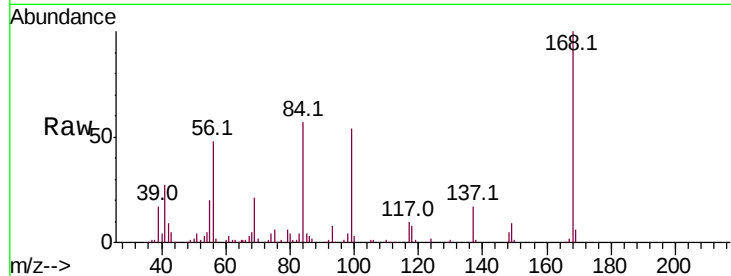




#31
Cyclohexane
Concen: 45.734 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

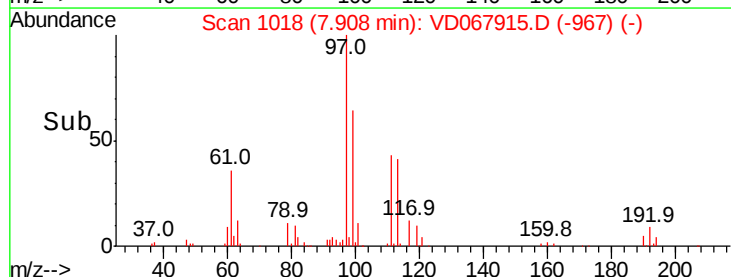
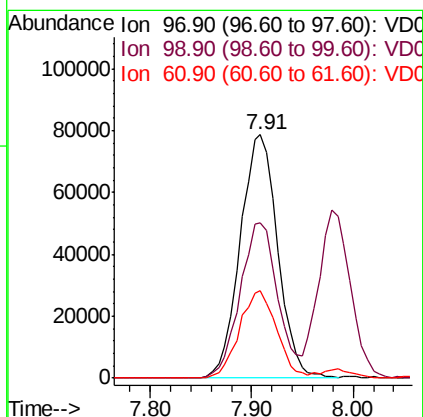
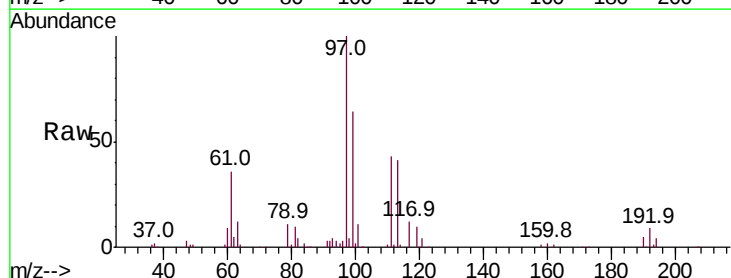
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

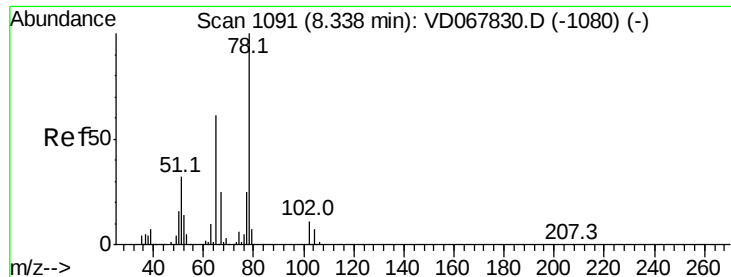
Tot Ion: 56 Resp: 104824
Ion Ratio Lower Upper
56 100
69 43.3 32.1 48.1
84 113.5 93.2 139.8



#32
1,1,1-Trichloroethane
Concen: 52.121 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Tgt Ion: 97 Resp: 201380
Ion Ratio Lower Upper
97 100
99 65.1 51.4 77.2
61 35.7 30.8 46.2





#33

1,2-Dichloroethane-d4

Concen: 49.474 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

Instrument :

MSVOA_D

ClientSampleId :

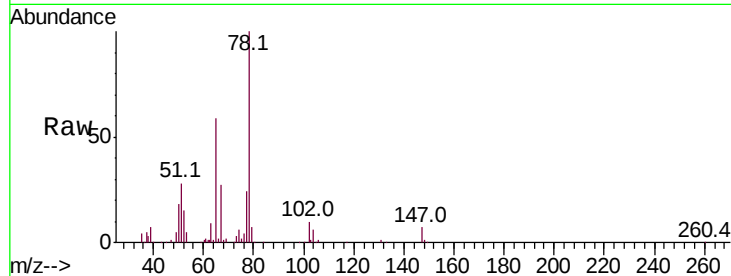
VSTDCCC050EC

Tot Ion: 65 Resp: 107629

Ion Ratio Lower Upper

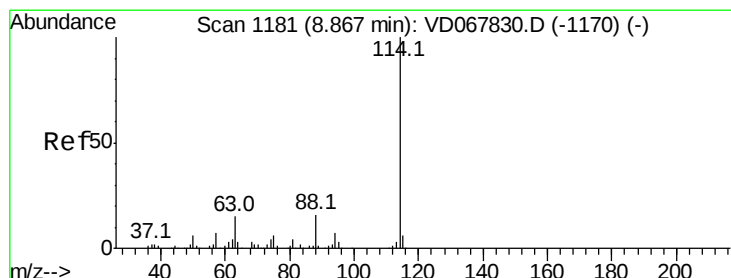
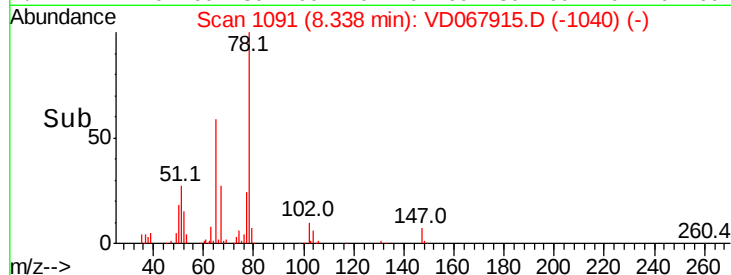
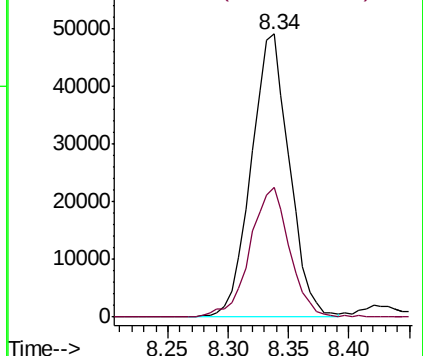
65 100

67 47.7 0.0 92.0



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

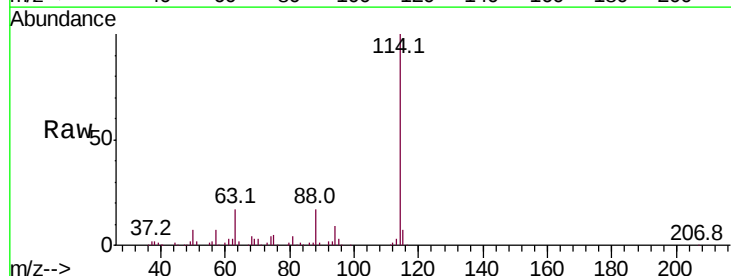
Tgt Ion: 114 Resp: 296492

Ion Ratio Lower Upper

114 100

63 16.5 0.0 30.8

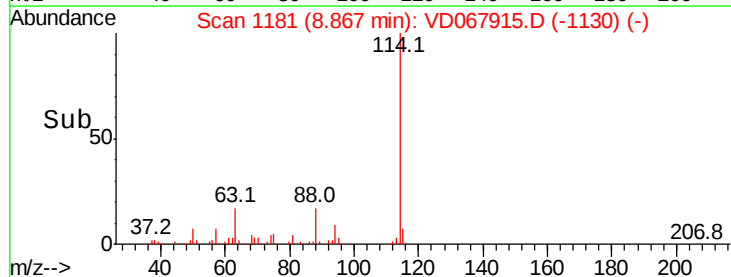
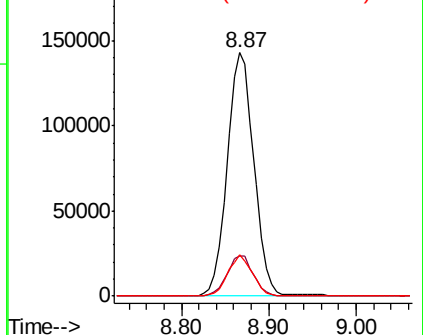
88 16.8 0.0 31.8

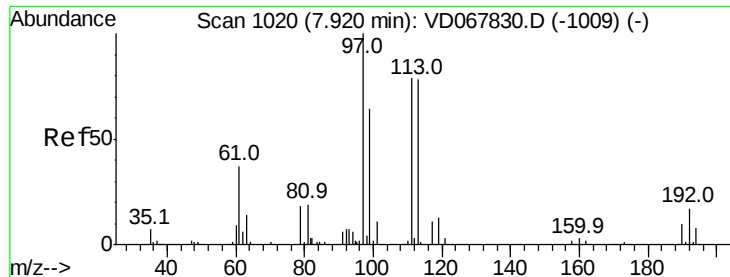


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

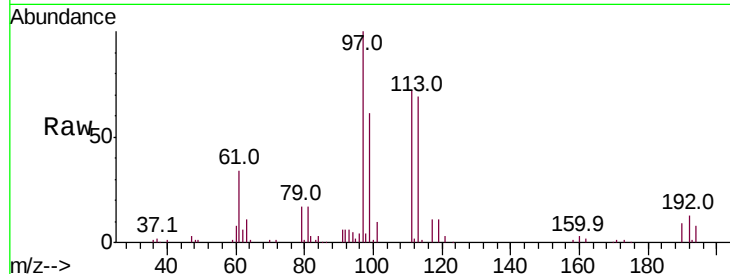




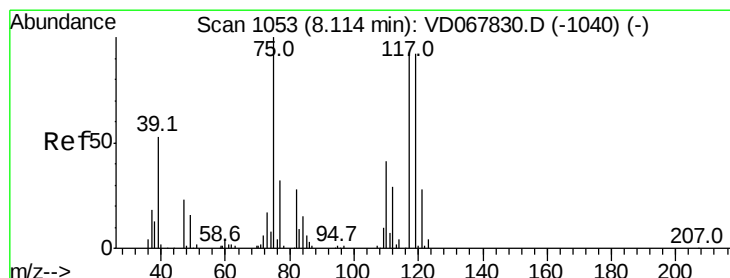
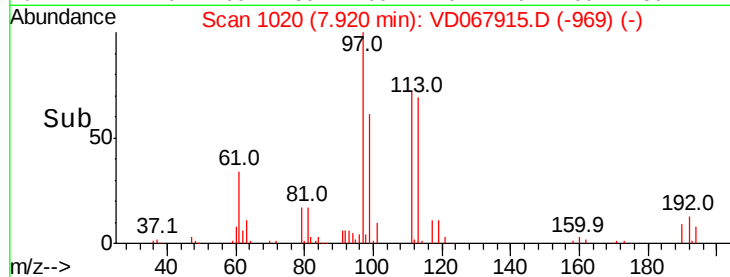
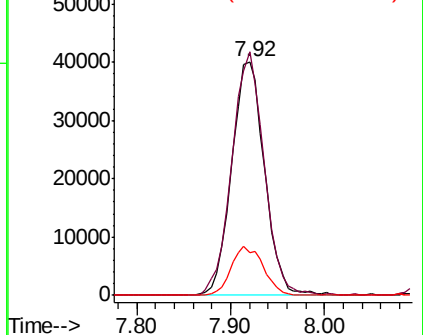
#35
 Dibromofluoromethane
 Concen: 48.963 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD067915.D
 Acq: 08 Dec 2020 16:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:113 Resp: 97140
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.2 121.8
 192 20.6 16.8 25.2

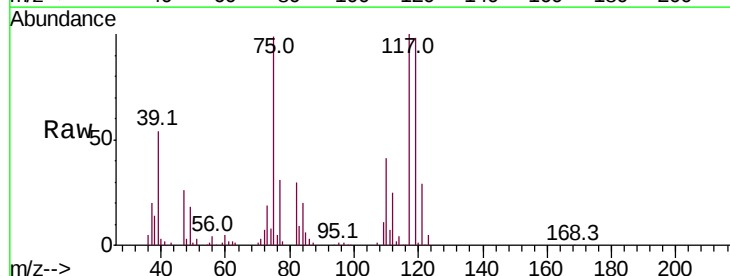


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

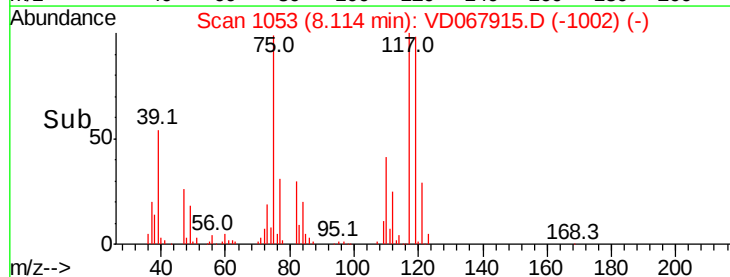
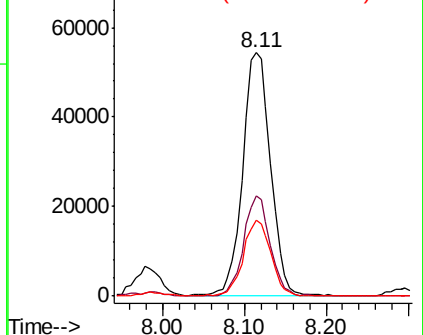


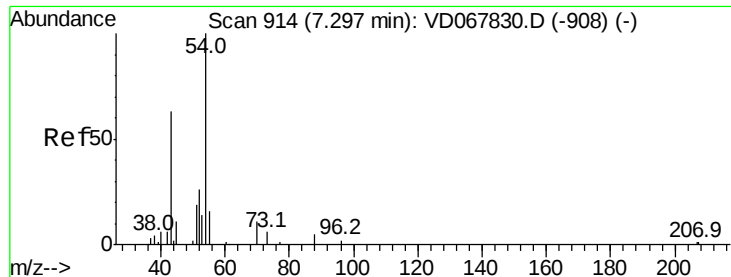
#36
 1,1-Dichloropropene
 Concen: 50.419 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067915.D
 Acq: 08 Dec 2020 16:35

Tgt Ion: 75 Resp: 129411
 Ion Ratio Lower Upper
 75 100
 110 38.7 20.3 61.0
 77 30.7 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: 41.534 ug/l

RT: 7.30 min Scan# 914

Delta R.T. 0.00 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

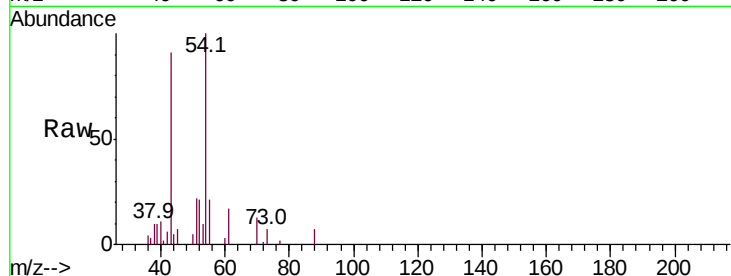
Tot Ion: 43 Resp: 28732

Ion Ratio Lower Upper

43 100

61 15.4 11.4 17.2

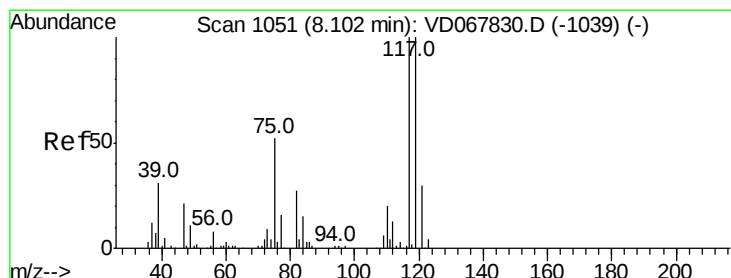
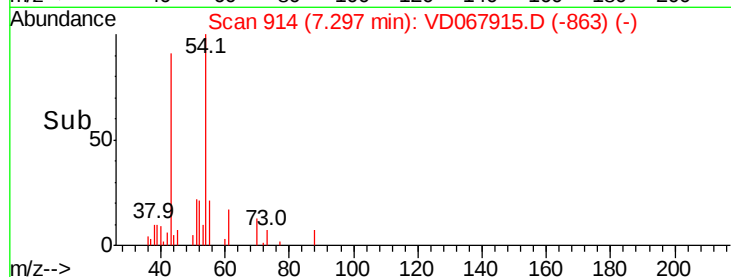
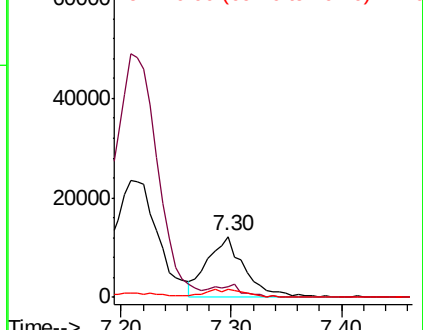
70 13.9 11.5 17.3



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: 51.216 ug/l

RT: 8.10 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

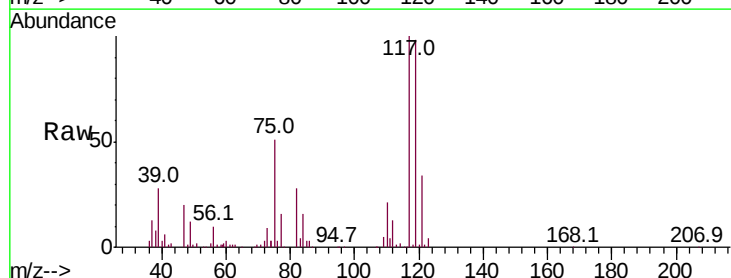
Tgt Ion: 117 Resp: 198897

Ion Ratio Lower Upper

117 100

119 97.8 79.7 119.5

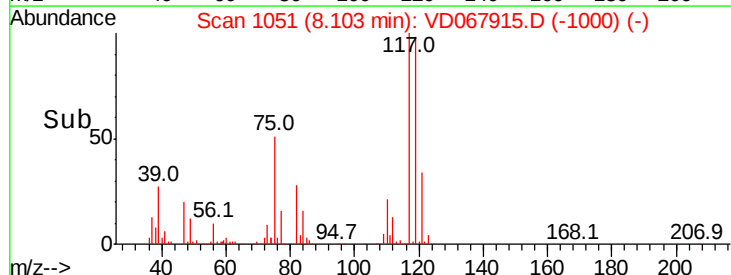
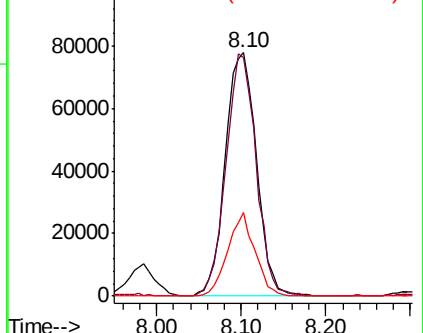
121 34.3 23.8 35.6

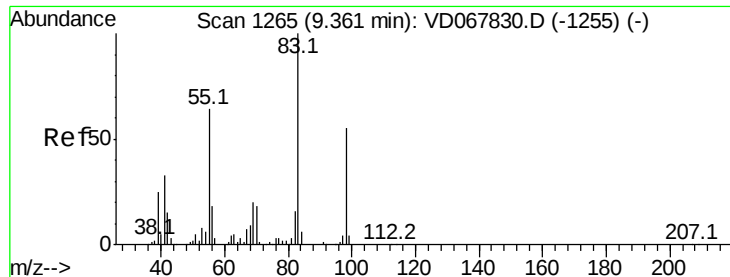


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

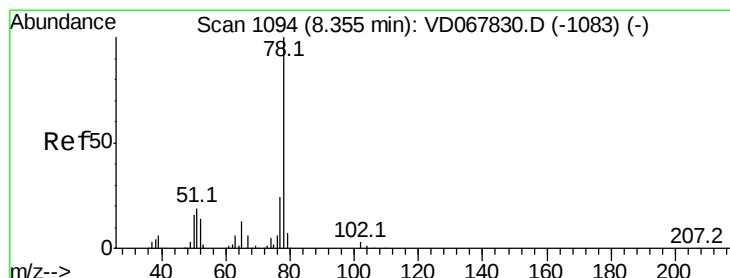
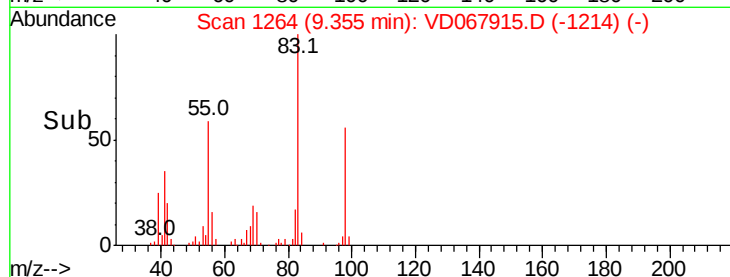
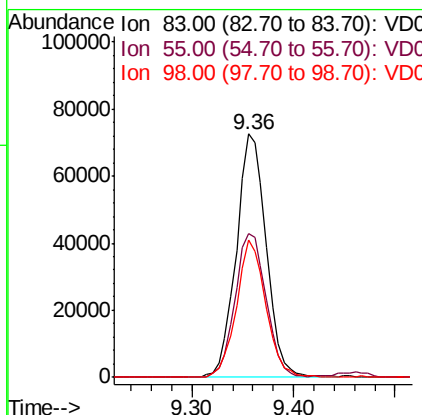
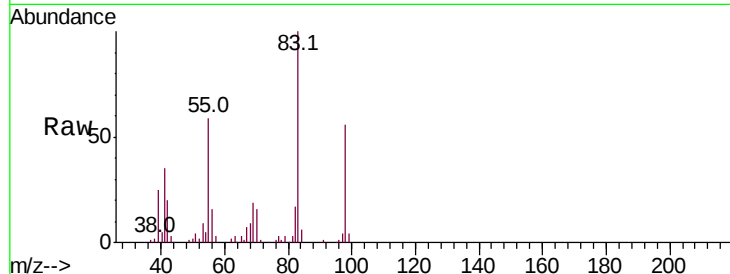




#39
Methylvlcvclohexane
Concen: 48.893 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

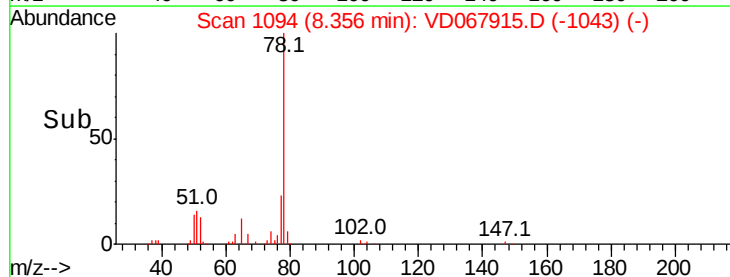
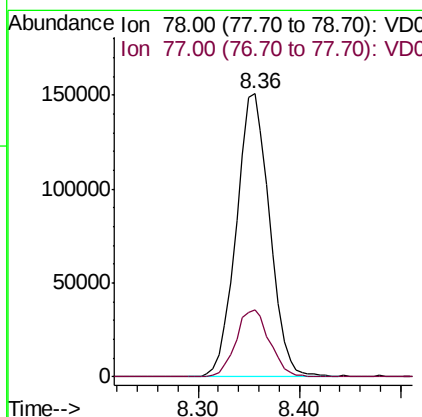
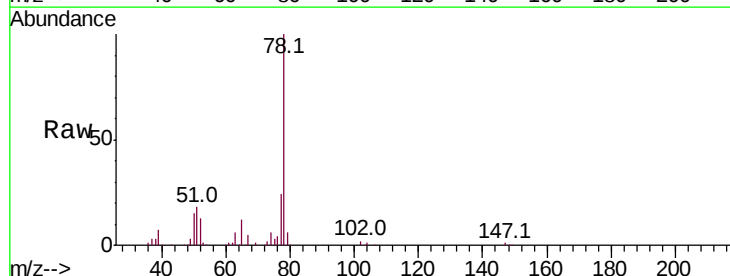
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

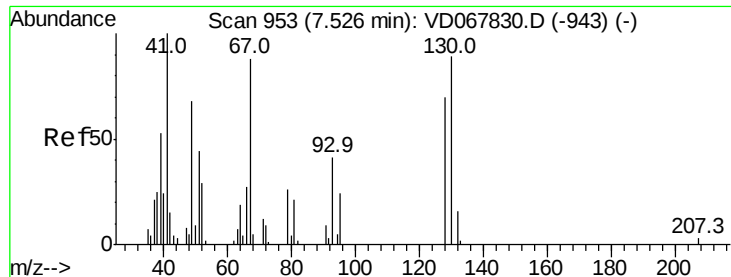
Tot Ion	83	Resp	148717
Ion Ratio	Lower	Upper	
83	100		
55	58.9	51.6	77.4
98	56.2	44.3	66.5



#40
Benzene
Concen: 48.942 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Tgt Ion	78	Resp	343733
Ion Ratio	Lower	Upper	
78	100		
77	23.6	19.1	28.7





#41

Methacrylonitrile

Concen: 75.860 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 24160

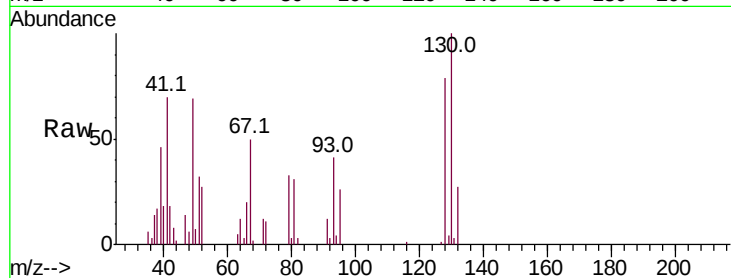
Ion Ratio Lower Upper

41 100

39 32.6 42.1 63.1#

67 73.3 82.4 123.6#

52 32.8 30.6 45.8

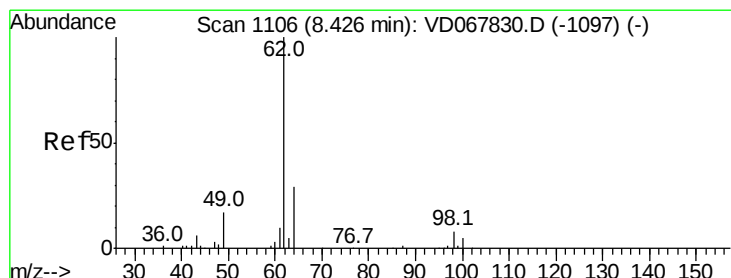
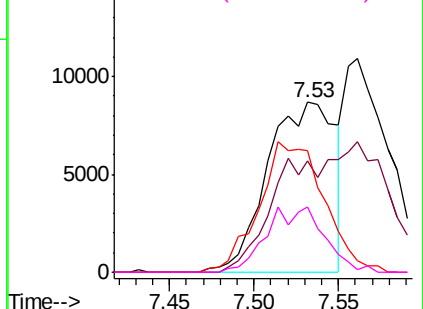
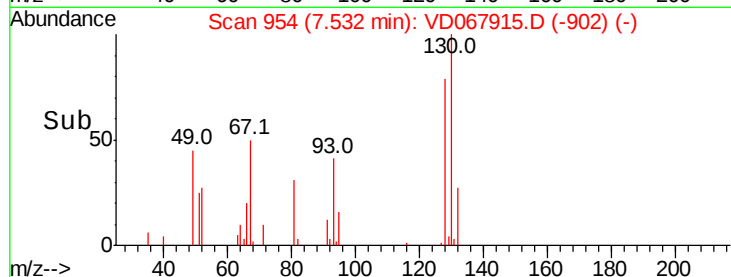


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 50.571 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD067915.D

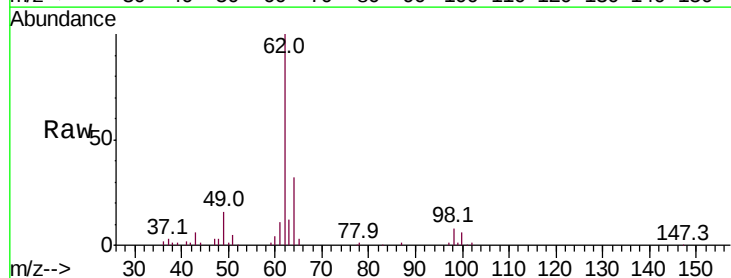
Acq: 08 Dec 2020 16:35

Tgt Ion: 62 Resp: 126585

Ion Ratio Lower Upper

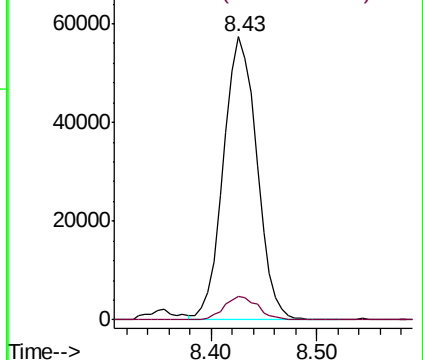
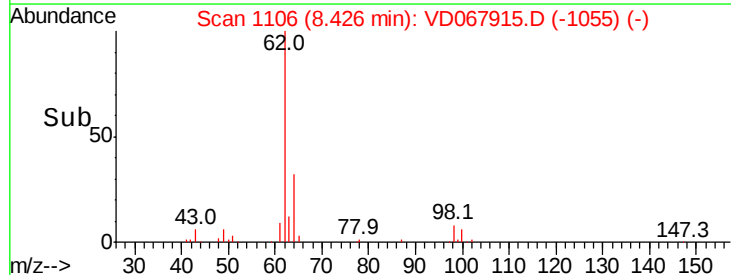
62 100

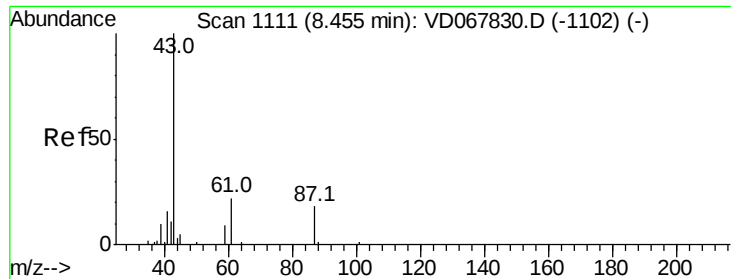
98 8.4 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 47.160 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

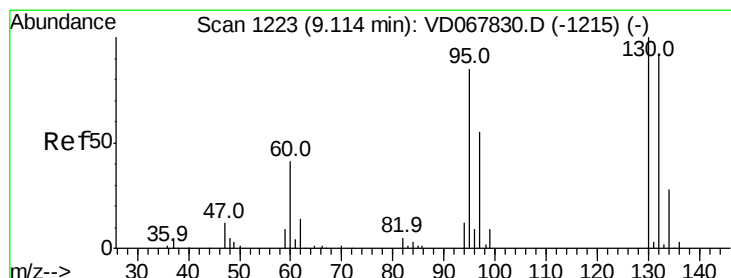
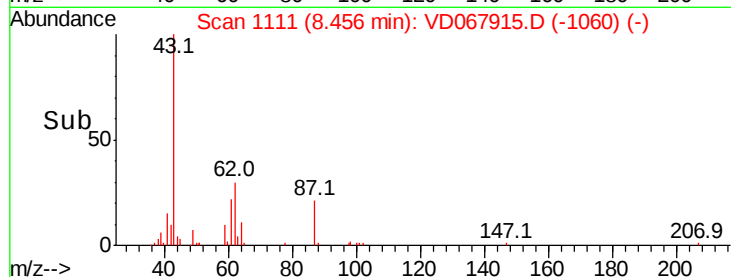
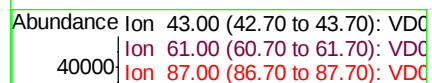
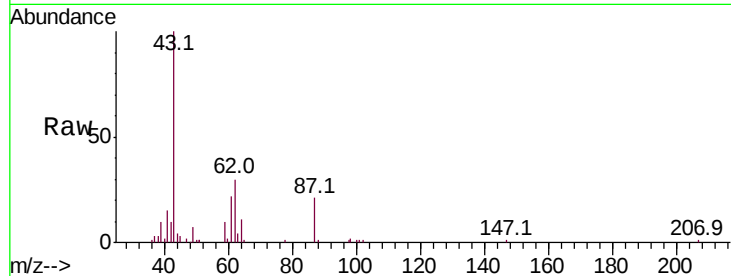
Tot Ion: 43 Resp: 64191

Ion Ratio Lower Upper

43 100

61 0.0 30.4 45.6#

87 19.6 16.2 24.2



#44

Trichloroethene

Concen: 48.836 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD067915.D

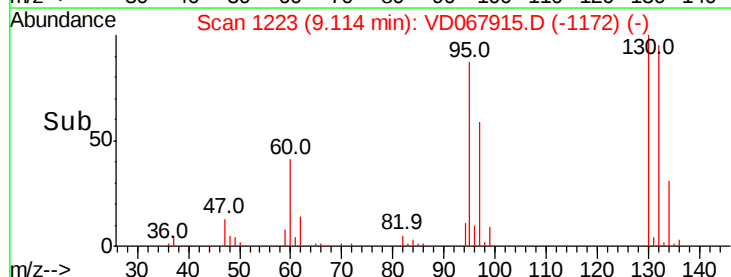
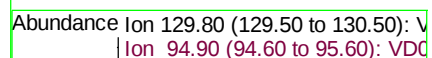
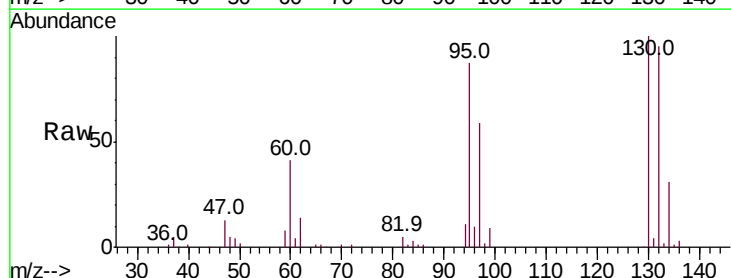
Acq: 08 Dec 2020 16:35

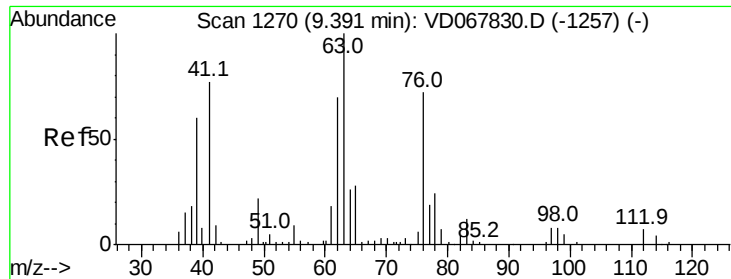
Tgt Ion:130 Resp: 117924

Ion Ratio Lower Upper

130 100

95 87.4 0.0 170.2

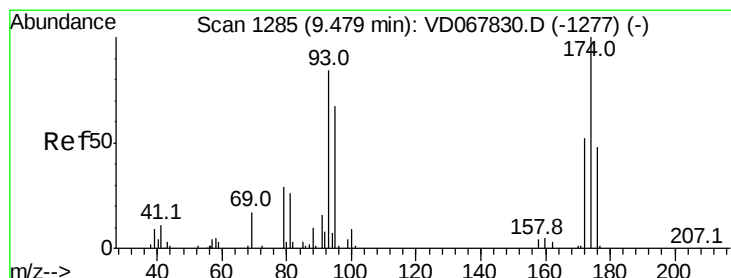
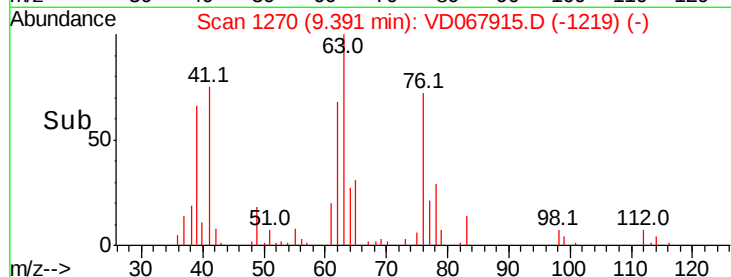
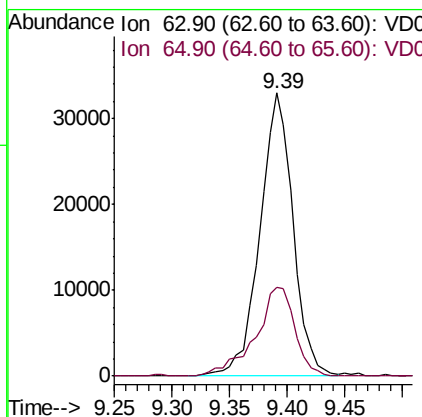
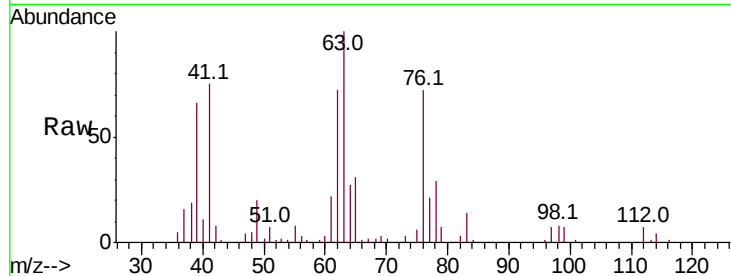




#45
 1,2-Dichloropropane
 Concen: 45.749 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067915.D
 Acq: 08 Dec 2020 16:35

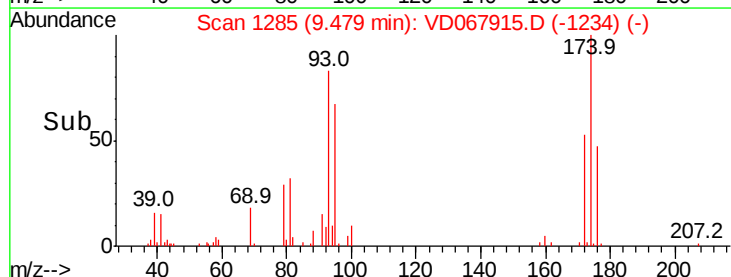
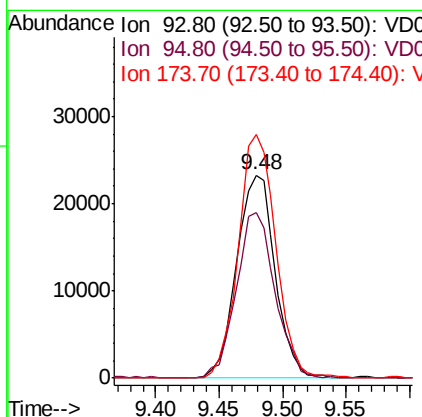
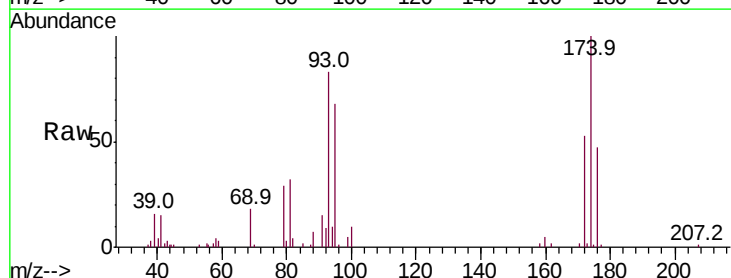
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

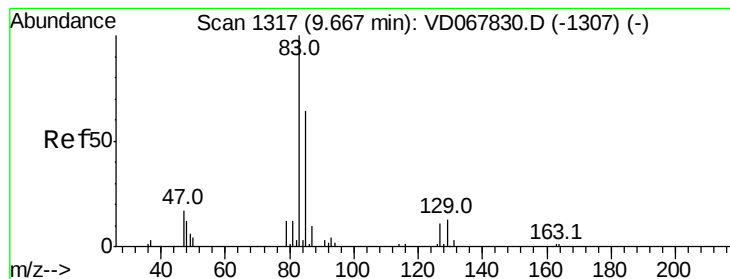
Tot Ion: 63 Resp: 65946
 Ion Ratio Lower Upper
 63 100
 65 31.5 22.8 34.2



#46
 Dibromomethane
 Concen: 48.797 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067915.D
 Acq: 08 Dec 2020 16:35

Tgt Ion: 93 Resp: 48905
 Ion Ratio Lower Upper
 93 100
 95 82.2 64.2 96.4
 174 116.9 91.5 137.3





#47

Bromodichloromethane

Concen: 49.595 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

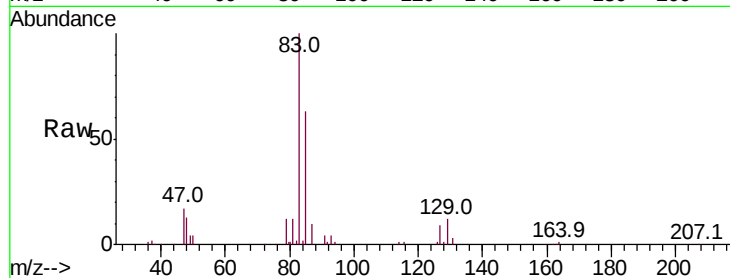
Tot Ion: 83 Resp: 141703

Ion Ratio Lower Upper

83 100

85 63.3 51.4 77.0

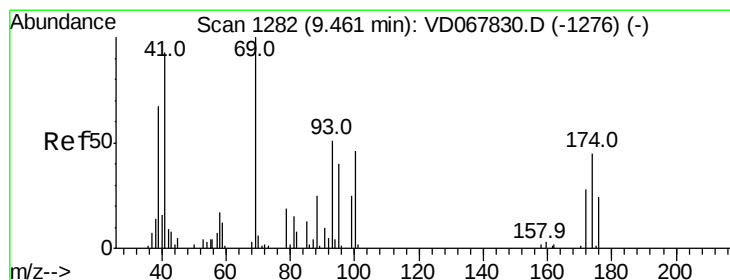
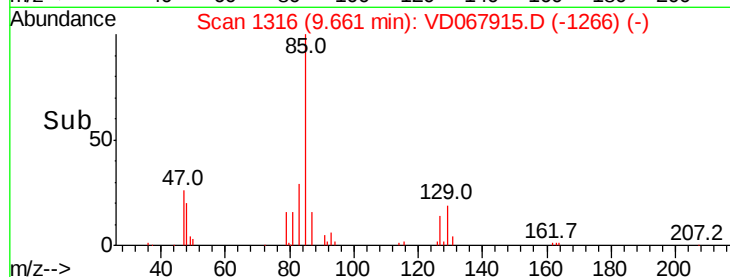
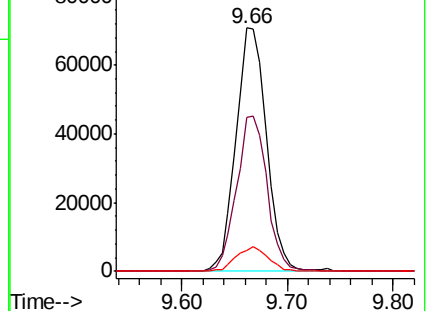
127 8.6 8.5 12.7



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: 44.224 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

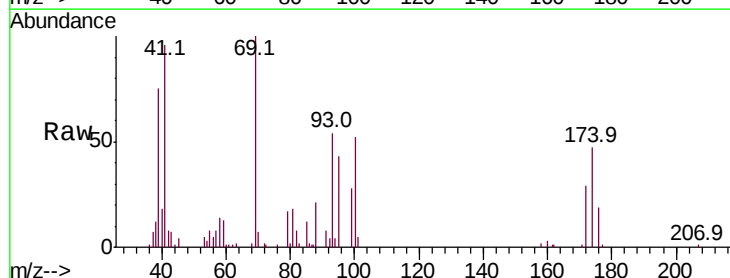
Tgt Ion: 41 Resp: 30566

Ion Ratio Lower Upper

41 100

69 118.8 87.6 131.4

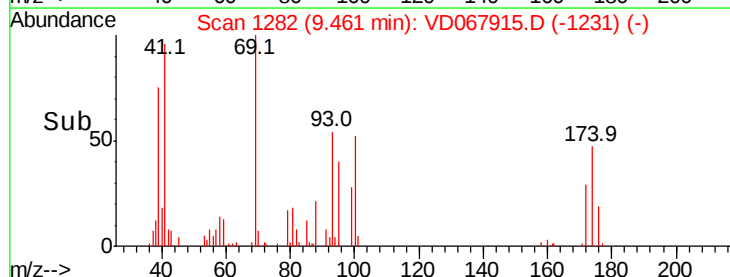
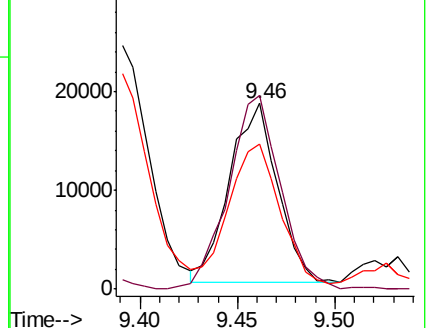
39 83.0 61.2 91.8

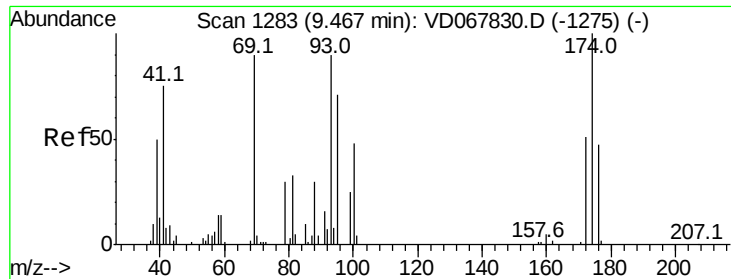


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

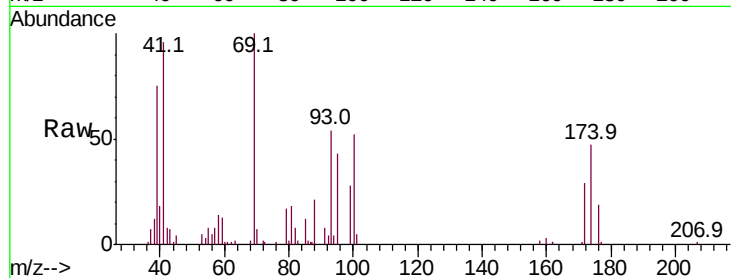




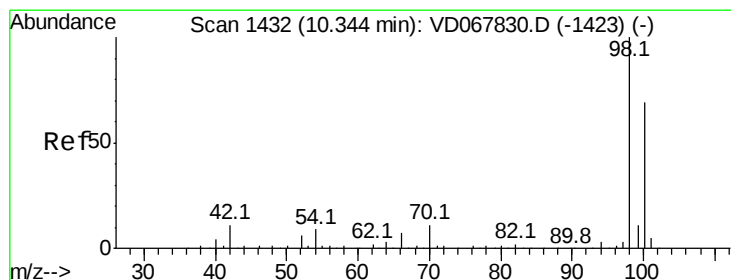
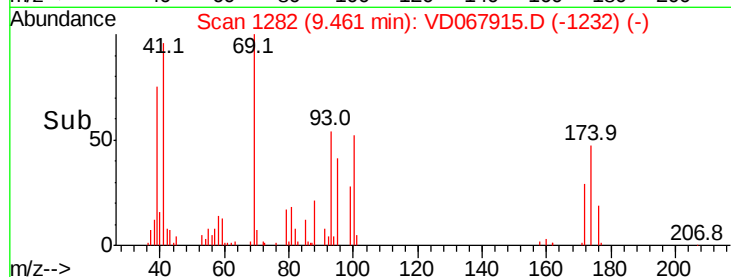
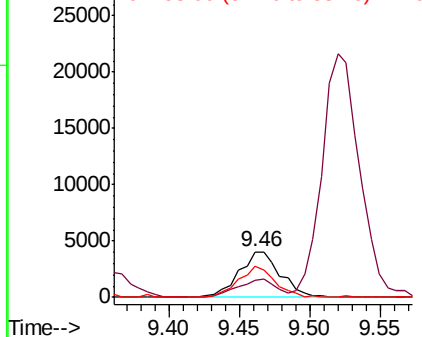
#49
 1,4-Dioxane
 Concen: 727.909 ug/l
 RT: 9.46 min Scan# 1282
 Delta R.T. -0.01 min
 Lab File: VD067915.D
 Acq: 08 Dec 2020 16:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 88 Resp: 8336
 Ion Ratio Lower Upper
 88 100
 43 36.9 30.1 45.1
 58 60.0 42.4 63.6

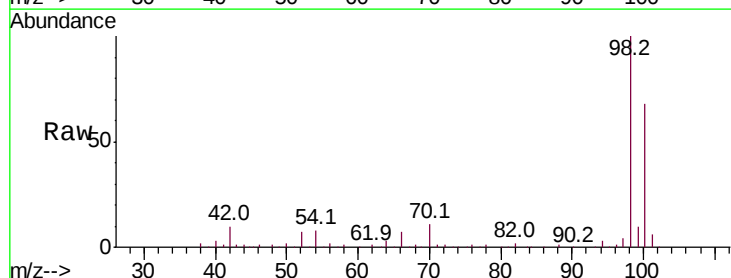


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

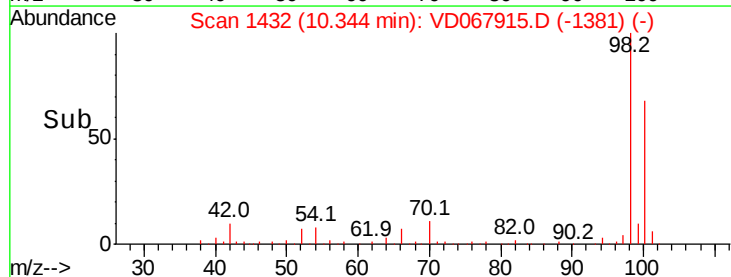
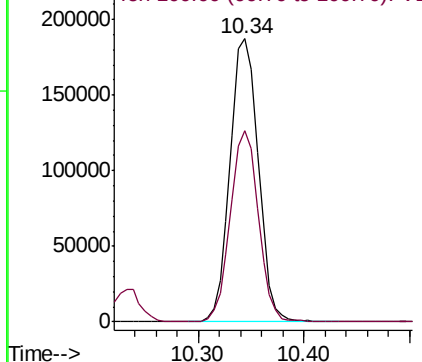


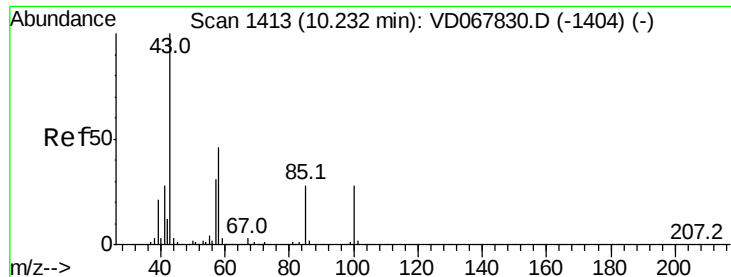
#50
 Toluene-d8
 Concen: 48.612 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD067915.D
 Acq: 08 Dec 2020 16:35

Tgt Ion: 98 Resp: 347179
 Ion Ratio Lower Upper
 98 100
 100 67.2 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VDC
 Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 227.869 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

Instrument :

MSVOA_D

ClientSampleId :

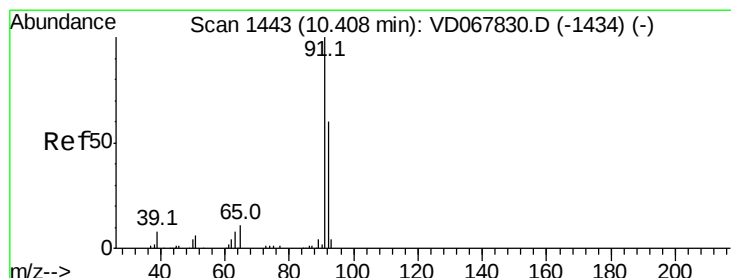
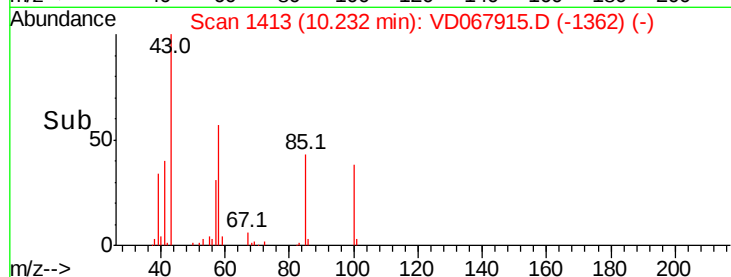
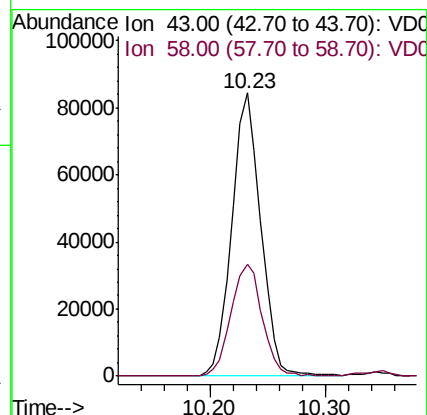
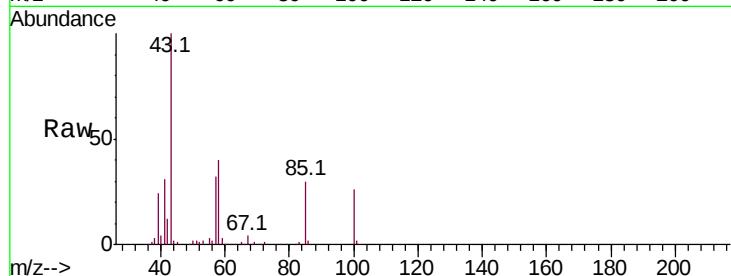
VSTDCCC050EC

Tot Ion: 43 Resp: 146795

Ion Ratio Lower Upper

43 100

58 42.6 35.7 53.5



#52

Toluene

Concen: 49.644 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067915.D

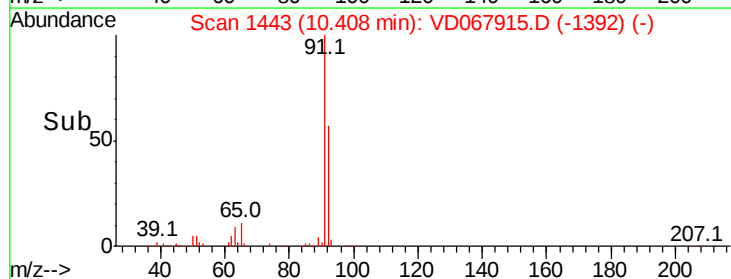
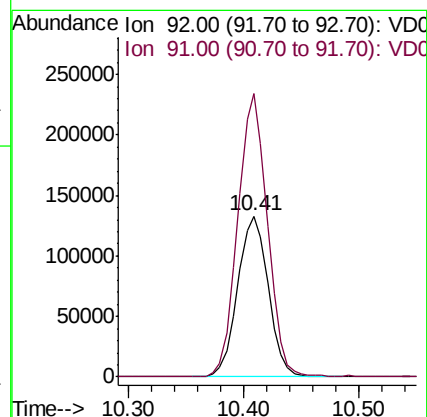
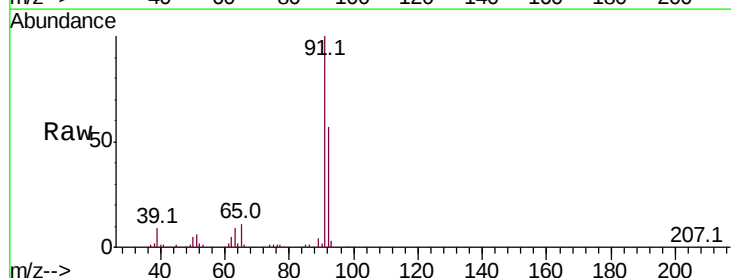
Acq: 08 Dec 2020 16:35

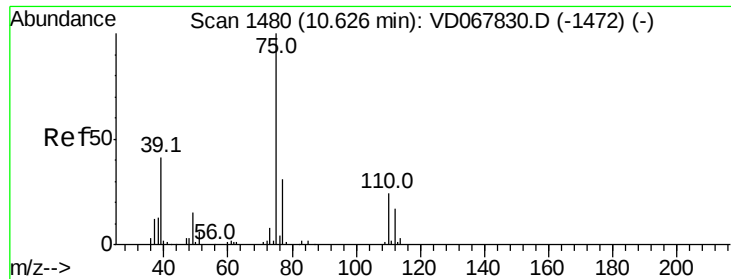
Tgt Ion: 92 Resp: 243768

Ion Ratio Lower Upper

92 100

91 170.8 134.2 201.2





#53

t-1,3-Dichloropropene

Concen: 49.287 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

Instrument :

MSVOA_D

ClientSampleId :

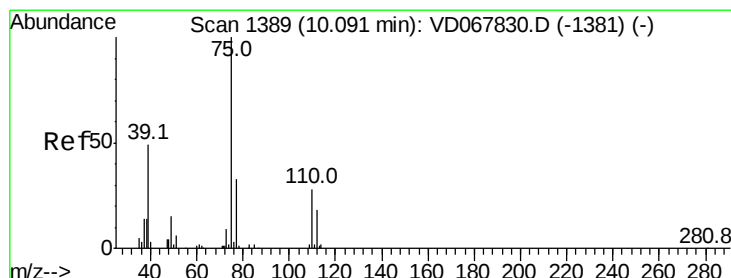
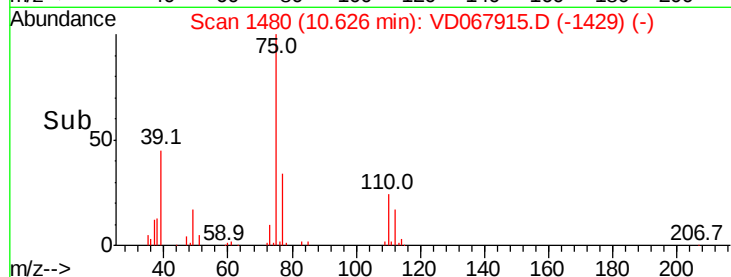
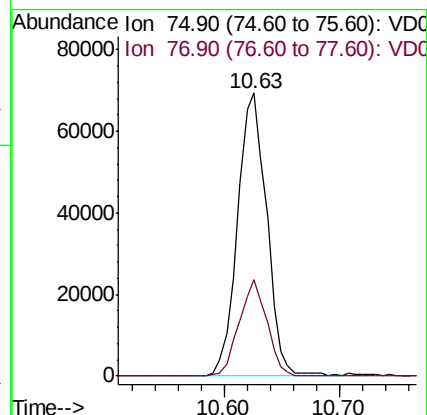
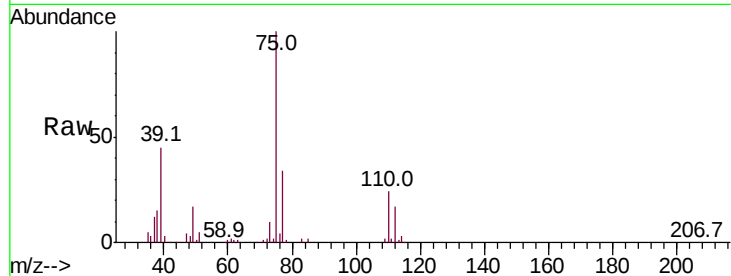
VSTDCCC050EC

Tot Ion: 75 Resp: 121546

Ion Ratio Lower Upper

75 100

77 34.2 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 50.696 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

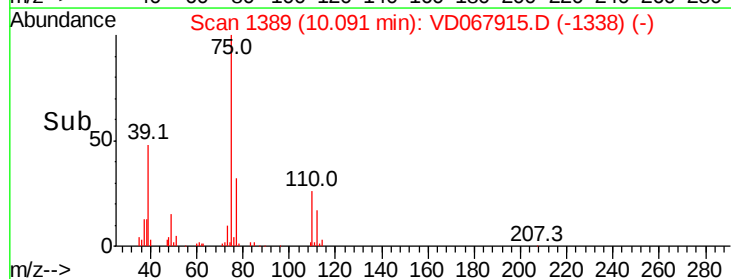
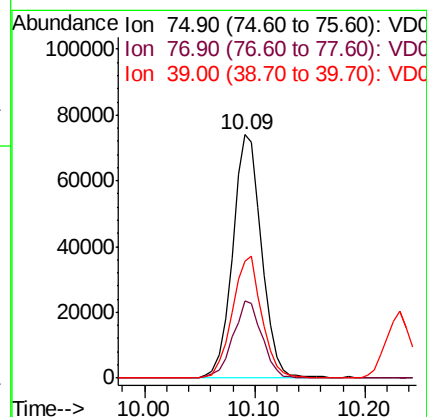
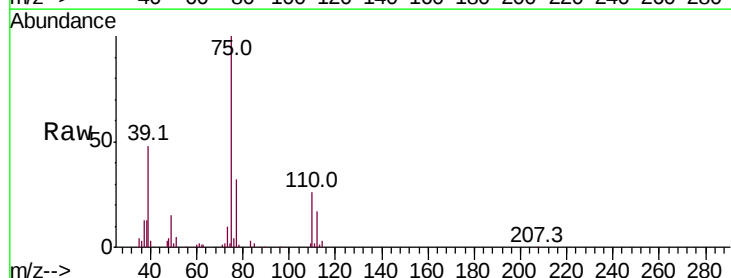
Tgt Ion: 75 Resp: 135990

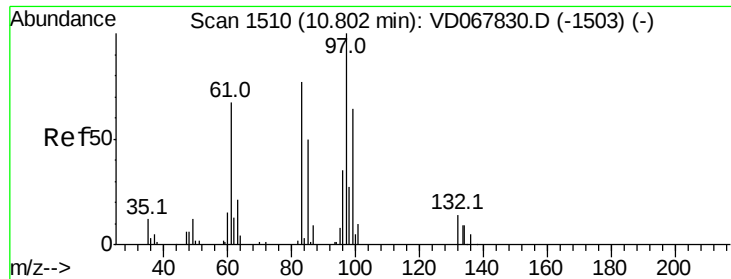
Ion Ratio Lower Upper

75 100

77 31.7 26.2 39.2

39 47.5 39.0 58.4





#55

1,1,2-Trichloroethane

Concen: 45.466 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 62359

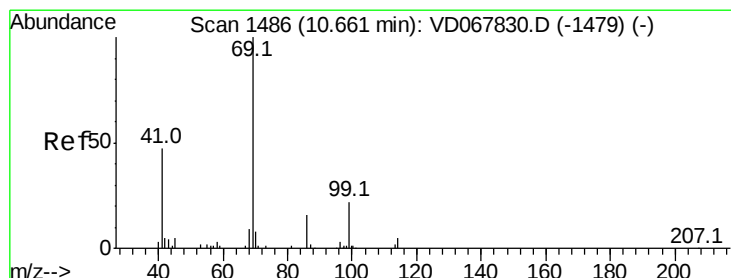
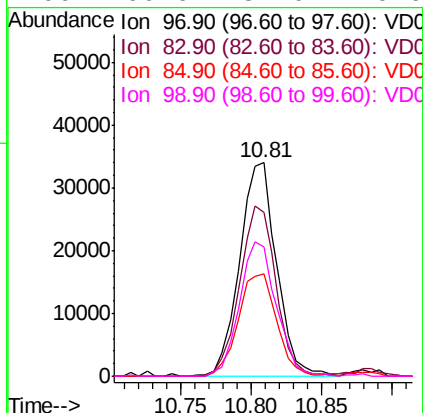
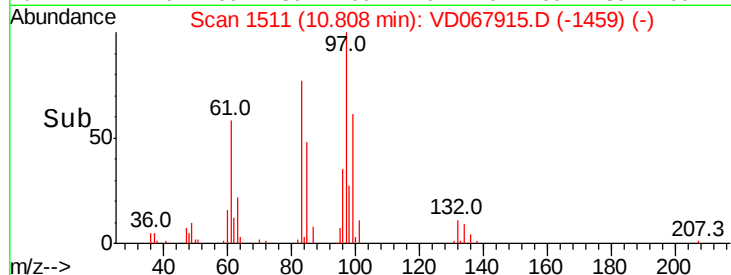
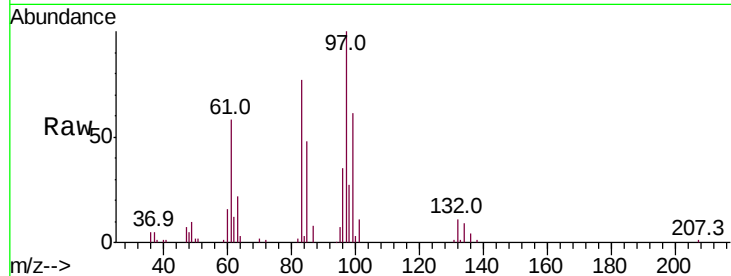
Ion	Ratio	Lower	Upper
97	100		
83	76.5	61.9	92.9
85	47.9	40.2	60.4
99	60.6	51.0	76.6

97 100

83 76.5 61.9 92.9

85 47.9 40.2 60.4

99 60.6 51.0 76.6



#56

Ethyl methacrylate

Concen: 45.284 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

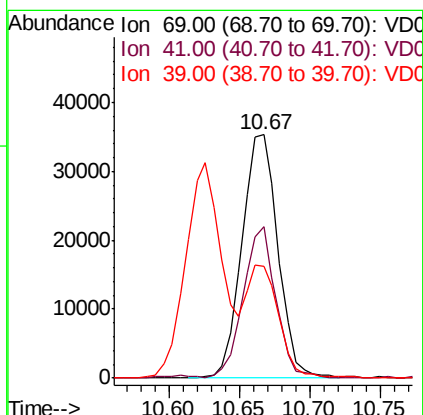
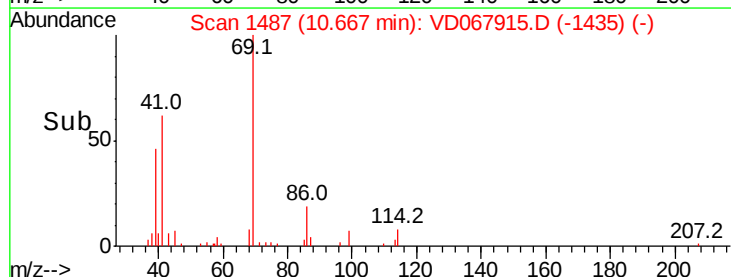
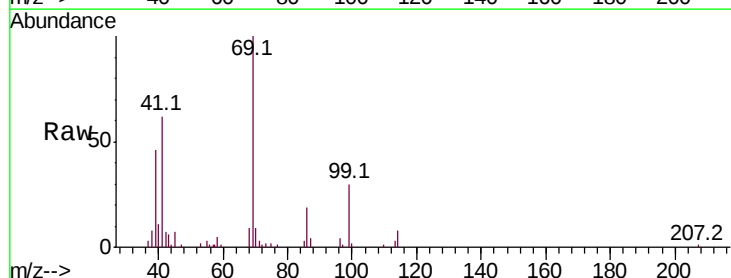
Tgt Ion: 69 Resp: 63193

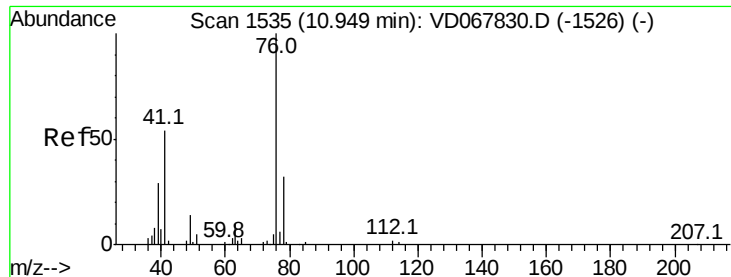
Ion	Ratio	Lower	Upper
69	100		
41	56.7	42.8	64.2
39	42.0	30.5	45.7

69 100

41 56.7 42.8 64.2

39 42.0 30.5 45.7





#57

1,3-Dichloropropane

Concen: 46.539 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

Instrument :

MSVOA_D

ClientSampleId :

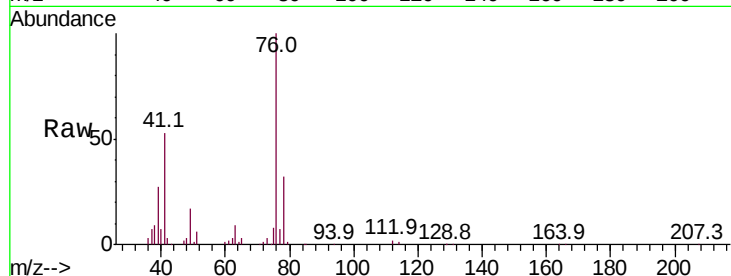
VSTDCCC050EC

Tot Ion: 76 Resp: 101112

Ion Ratio Lower Upper

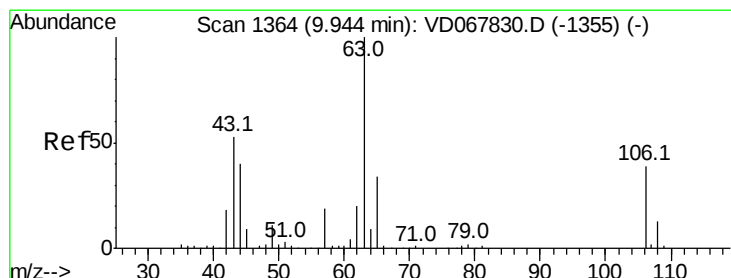
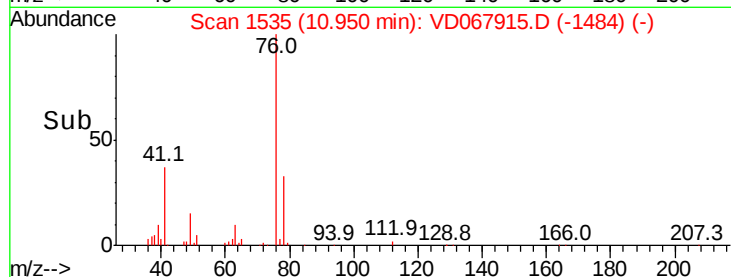
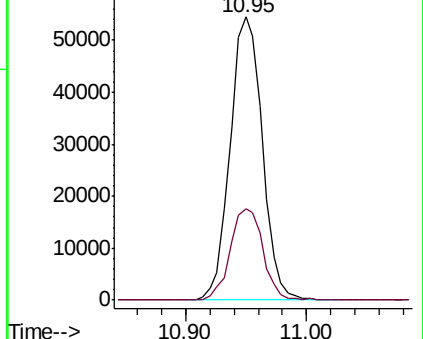
76 100

78 32.8 26.6 39.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 246.524 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD067915.D

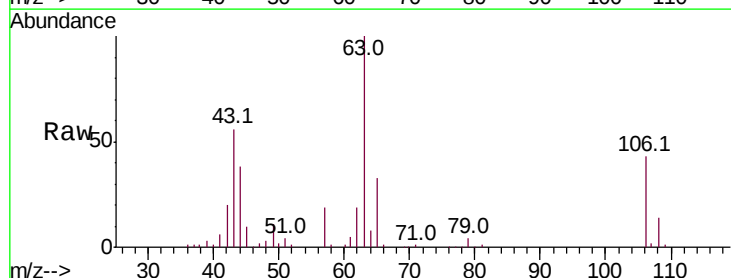
Acq: 08 Dec 2020 16:35

Tgt Ion: 63 Resp: 156542

Ion Ratio Lower Upper

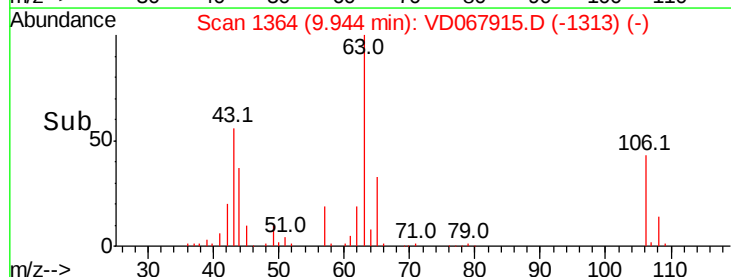
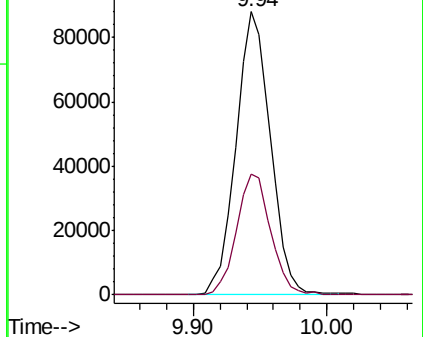
63 100

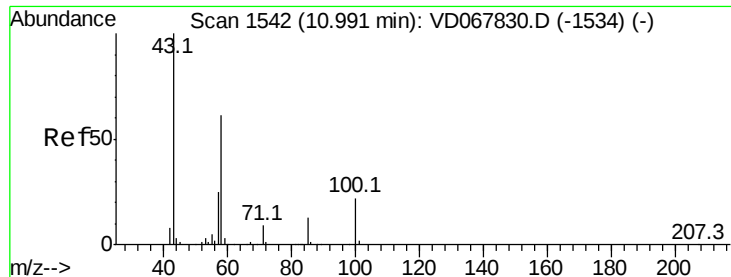
106 42.5 32.0 48.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

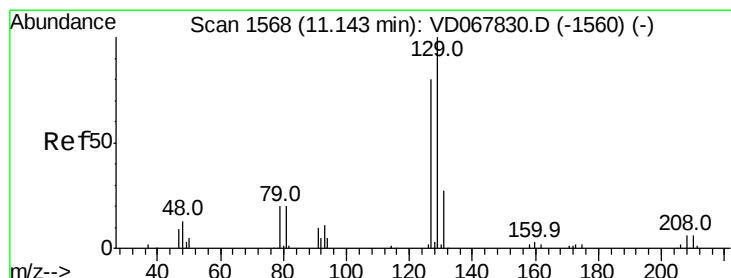
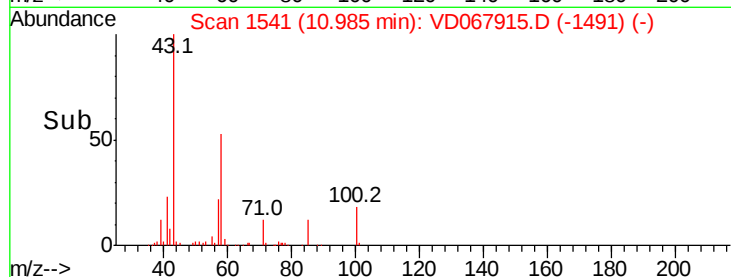
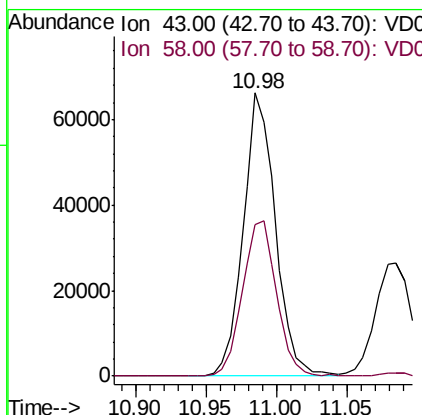
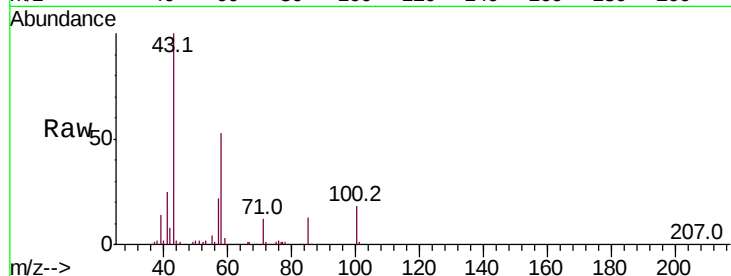




#59
2-Hexanone
Concen: 232.717 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

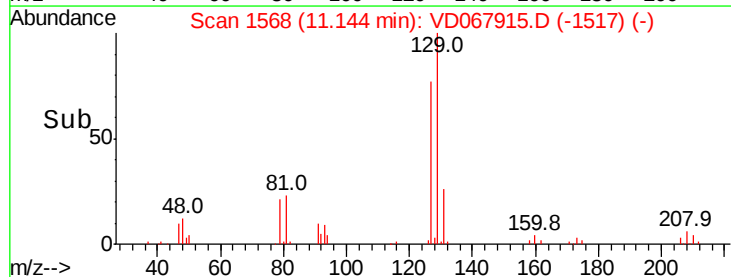
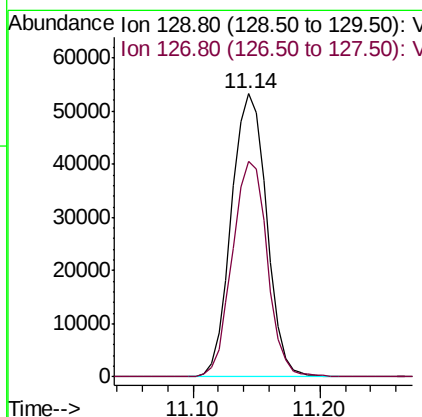
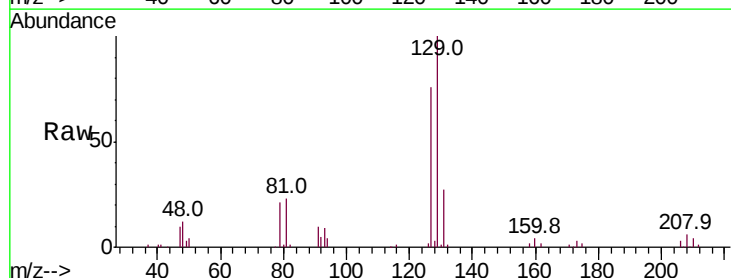
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

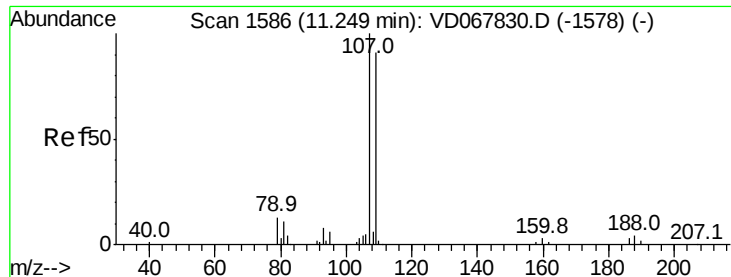
Tot Ion: 43 Resp: 105684
Ion Ratio Lower Upper
43 100
58 58.1 29.9 89.7



#60
Dibromochloromethane
Concen: 49.683 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Tgt Ion: 129 Resp: 102720
Ion Ratio Lower Upper
129 100
127 75.4 39.2 117.6





#61

1,2-Dibromoethane

Concen: 47.630 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

Instrument :

MSVOA_D

ClientSampleId :

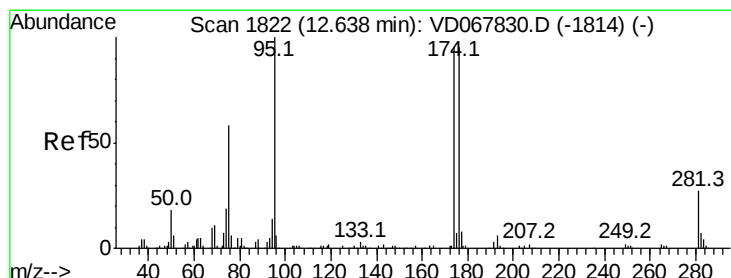
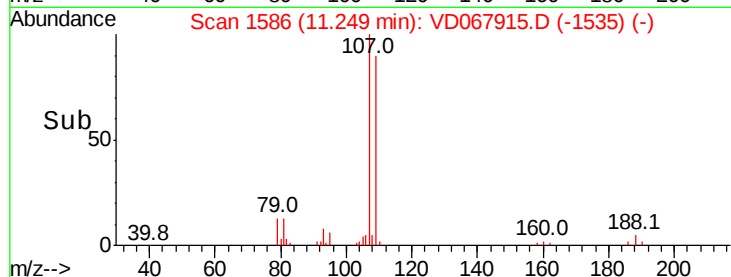
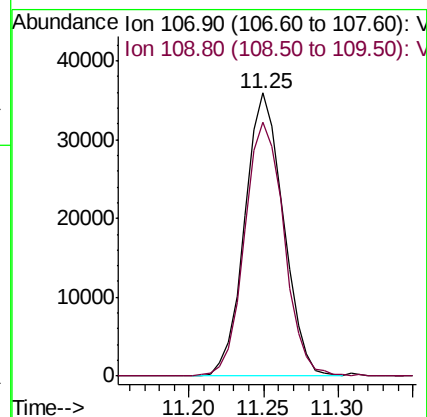
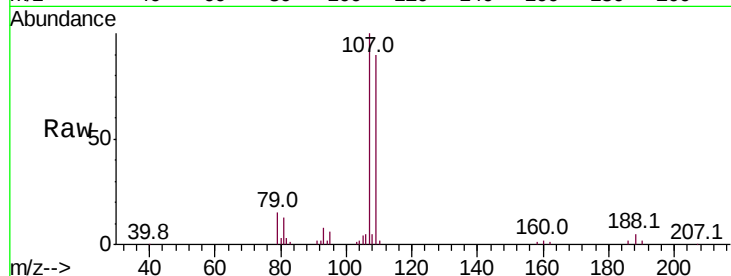
VSTDCCC050EC

Tot Ion:107 Resp: 64242

Ion Ratio Lower Upper

107 100

109 91.6 75.9 113.9



#62

4-Bromofluorobenzene

Concen: 49.140 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

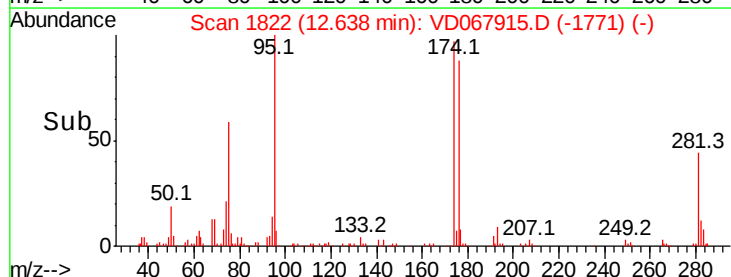
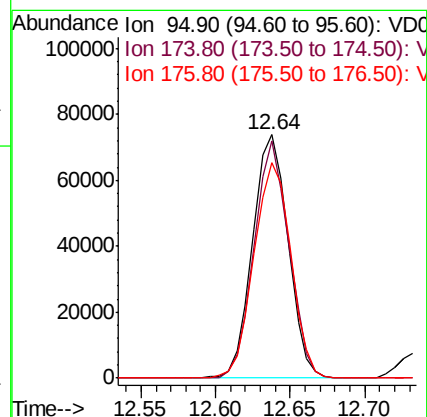
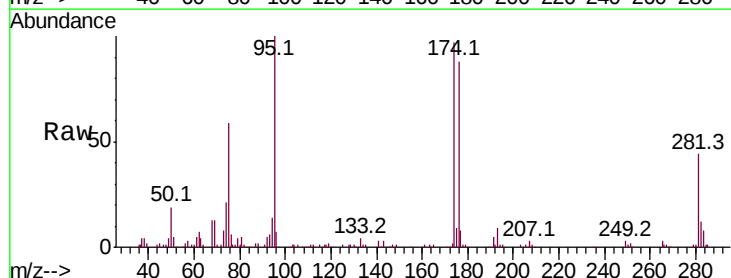
Tgt Ion: 95 Resp: 121333

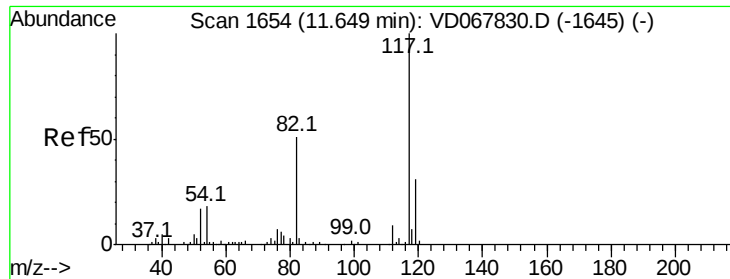
Ion Ratio Lower Upper

95 100

174 95.2 0.0 186.0

176 92.0 0.0 184.2

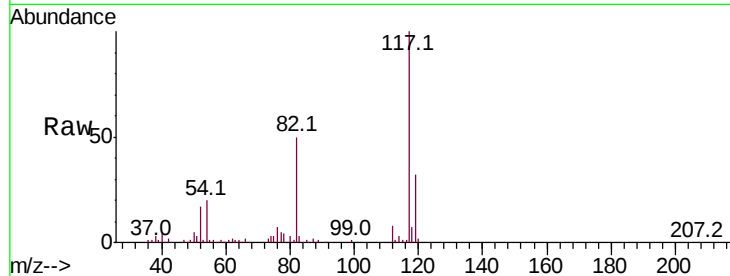




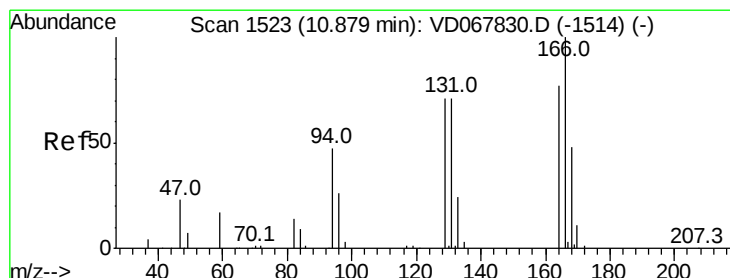
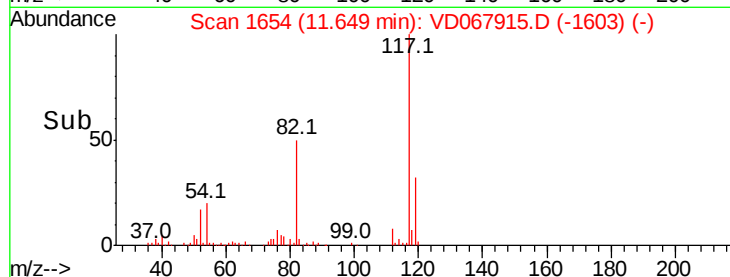
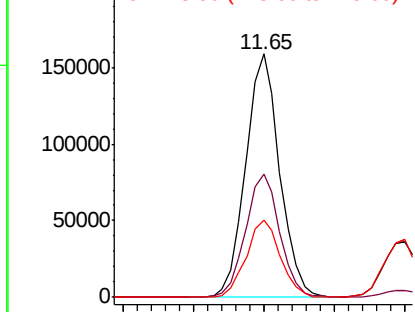
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 268813
Ion Ratio Lower Upper
117 100
82 50.5 40.6 60.8
119 31.6 25.1 37.7

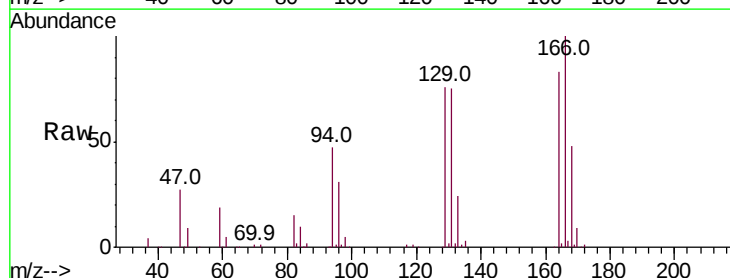


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

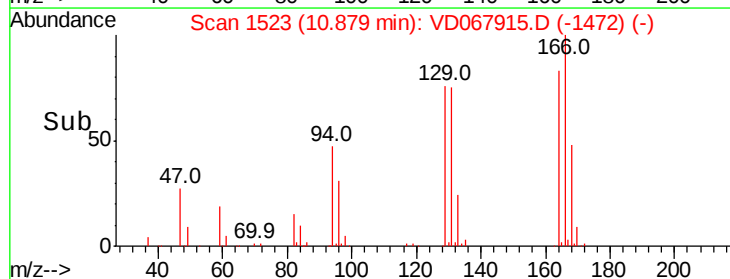
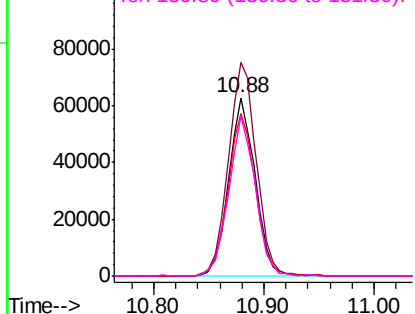


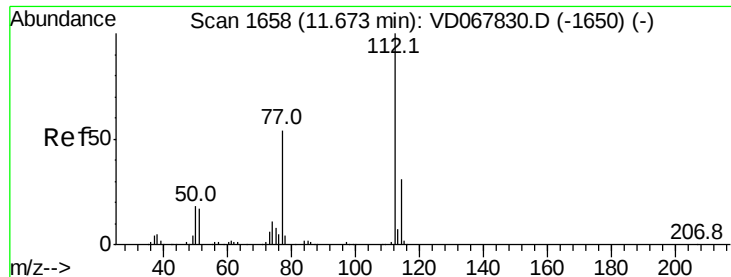
#64
Tetrachloroethene
Concen: 48.281 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Tgt Ion:164 Resp: 105865
Ion Ratio Lower Upper
164 100
166 119.8 103.8 155.6
129 91.4 73.3 109.9
131 89.7 74.1 111.1



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 49.258 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

Instrument :

MSVOA_D

ClientSampleId :

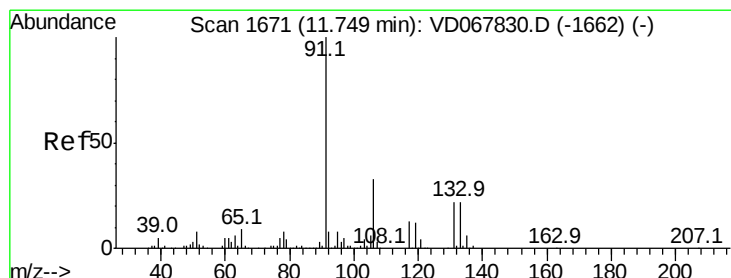
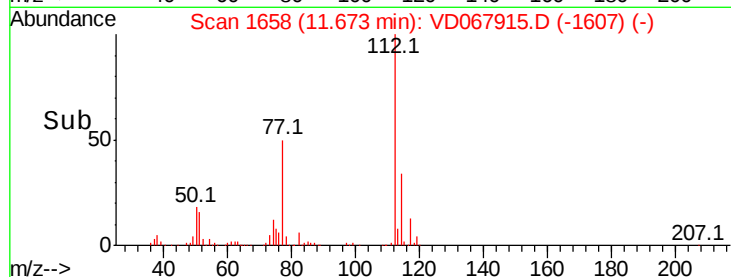
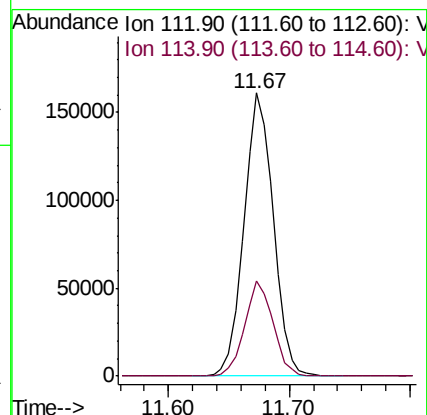
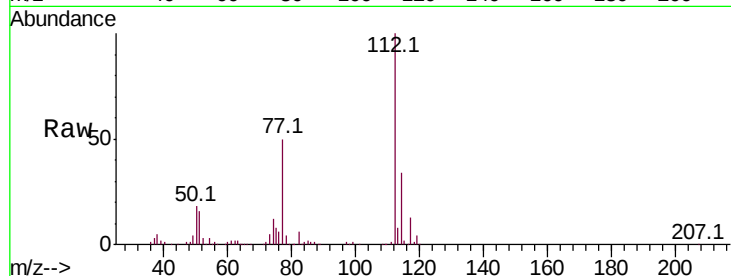
VSTDCCC050EC

Tot Ion:112 Resp: 273214

Ion Ratio Lower Upper

112 100

114 33.6 25.0 37.4



#66

1,1,1,2-Tetrachloroethane

Concen: 49.532 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

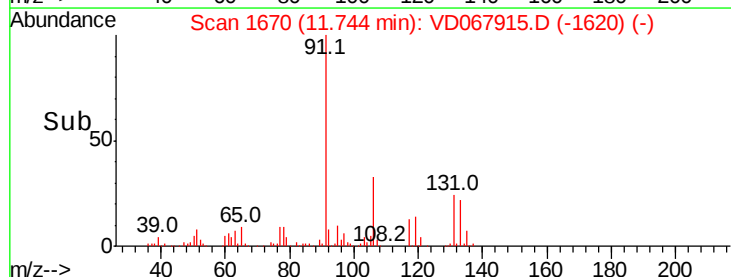
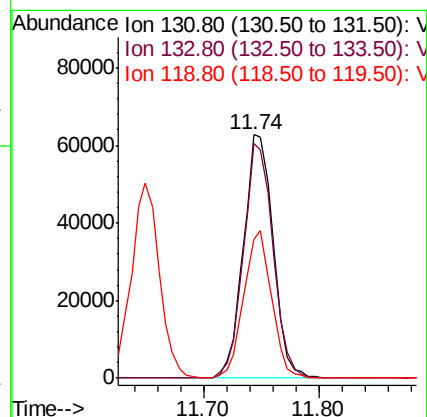
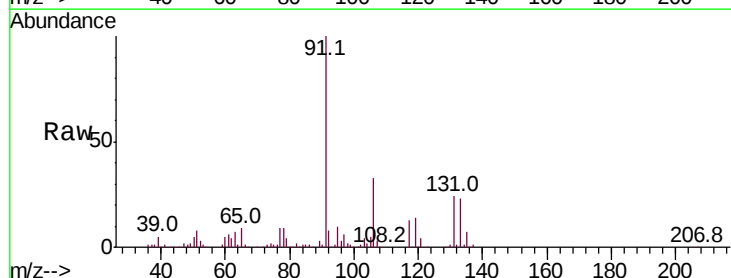
Tgt Ion:131 Resp: 112056

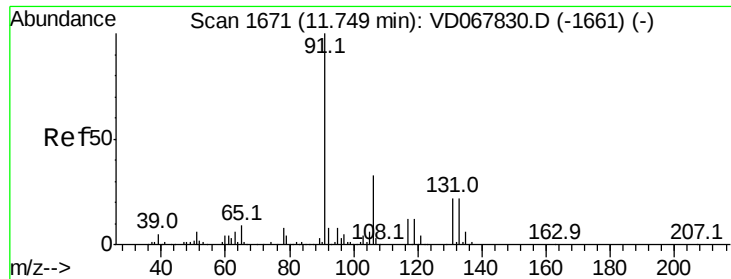
Ion Ratio Lower Upper

131 100

133 95.9 49.9 149.7

119 56.9 29.6 88.9





#67

Ethyl Benzene

Concen: 51.169 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

Instrument :

MSVOA_D

ClientSampleId :

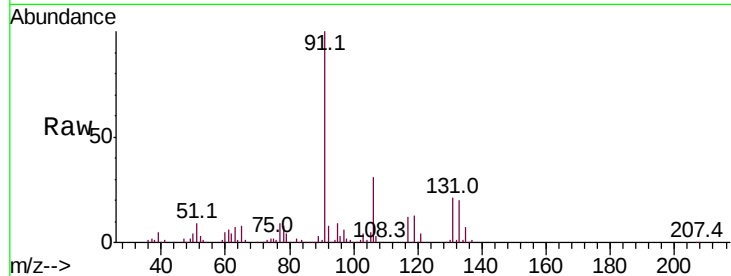
VSTDCCC050EC

Tot Ion: 91 Resp: 483477

Ion Ratio Lower Upper

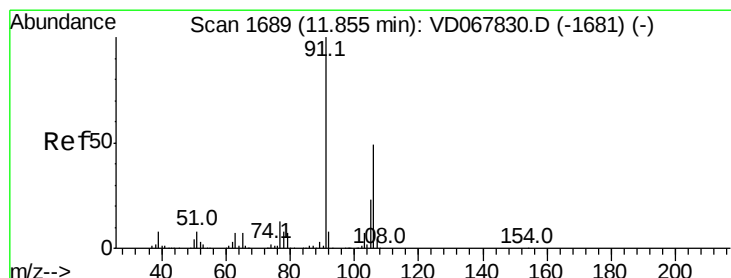
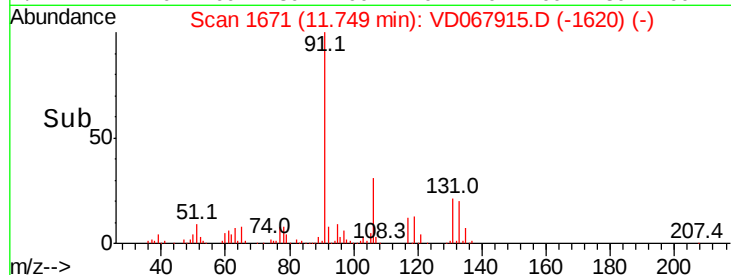
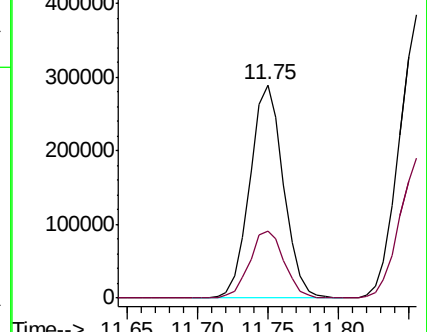
91 100

106 31.3 26.2 39.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 100.074 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD067915.D

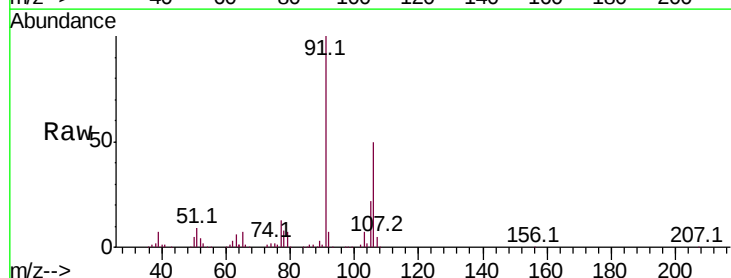
Acq: 08 Dec 2020 16:35

Tgt Ion: 106 Resp: 372847

Ion Ratio Lower Upper

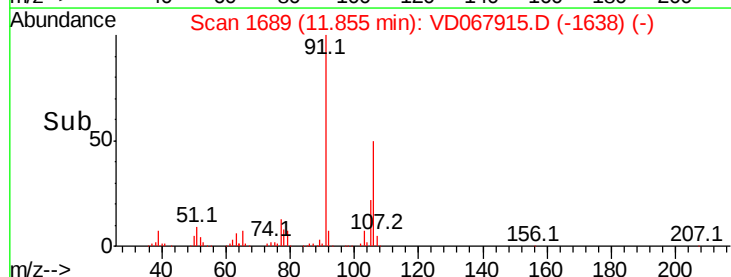
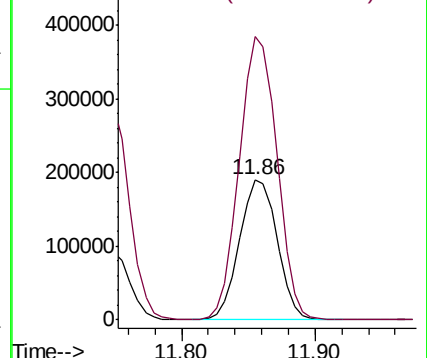
106 100

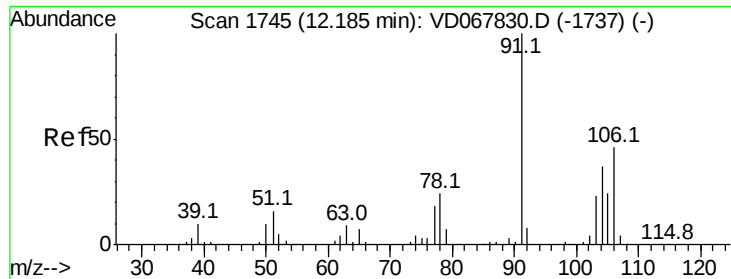
91 202.3 162.8 244.2



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

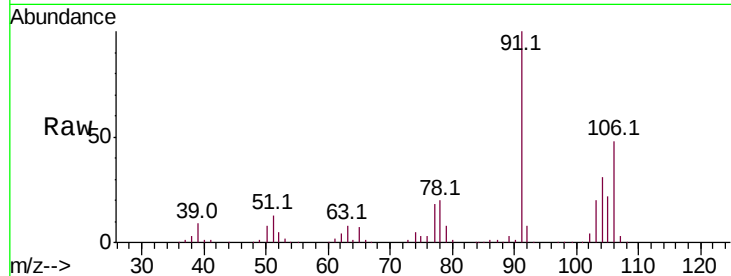




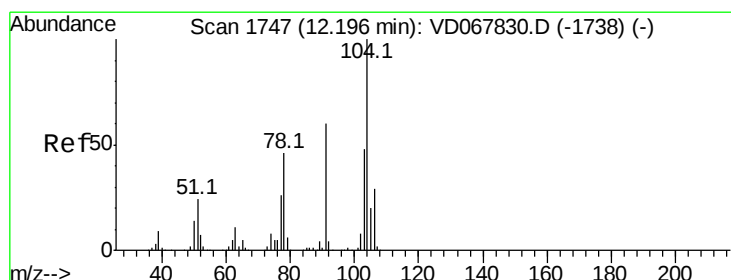
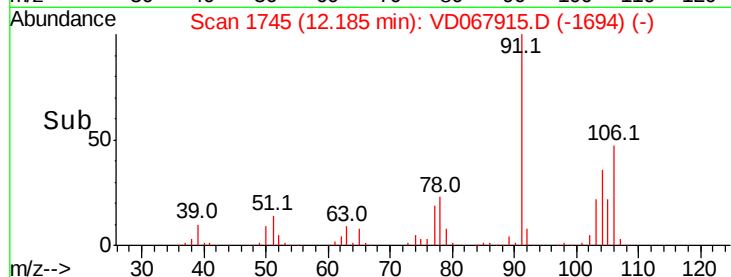
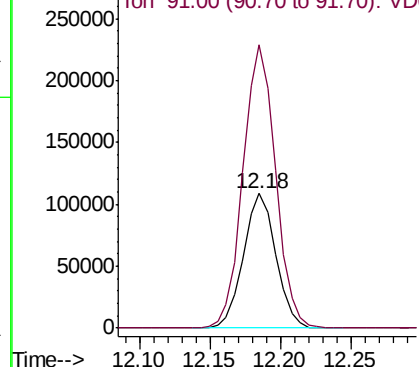
#69
o-Xylene
Concen: 52.942 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 175110
Ion Ratio Lower Upper
106 100
91 211.4 107.5 322.5

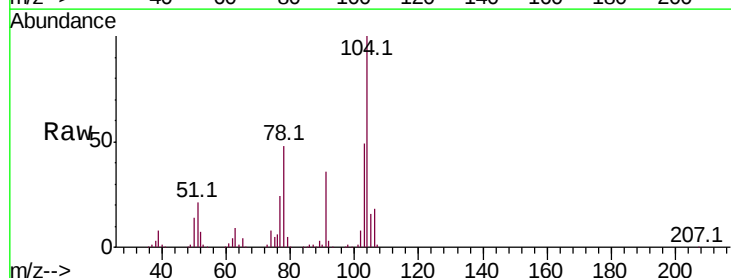


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

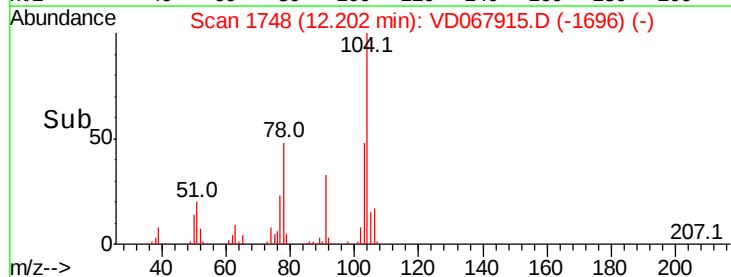
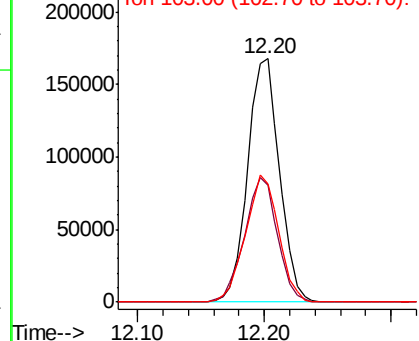


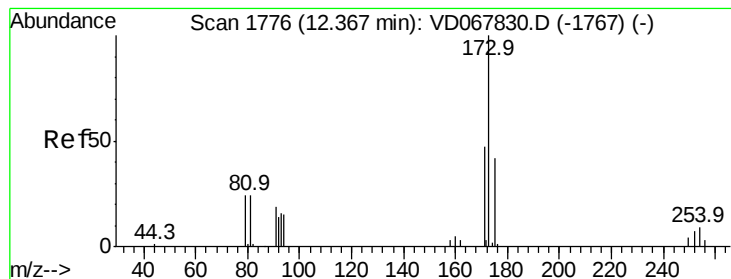
#70
Styrene
Concen: 51.024 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Tgt Ion:104 Resp: 293460
Ion Ratio Lower Upper
104 100
78 53.0 41.6 62.4
103 54.4 43.2 64.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 48.109 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

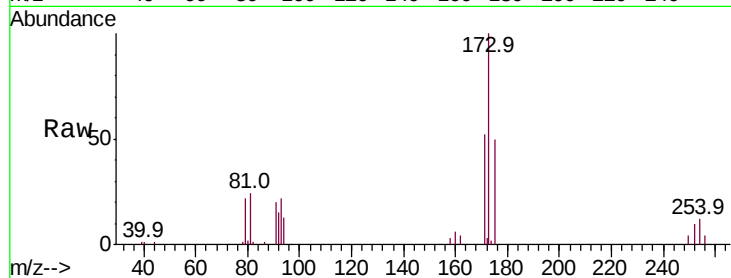
Tot Ion:173 Resp: 57611

Ion Ratio Lower Upper

173 100

175 51.4 23.4 70.3

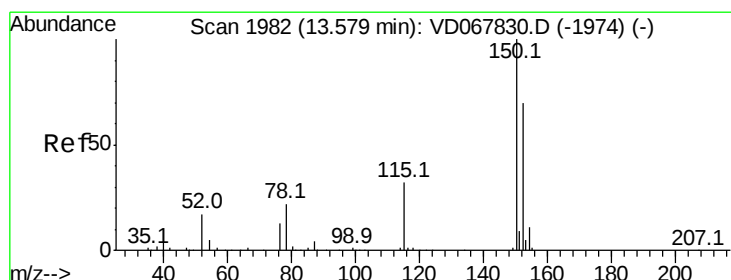
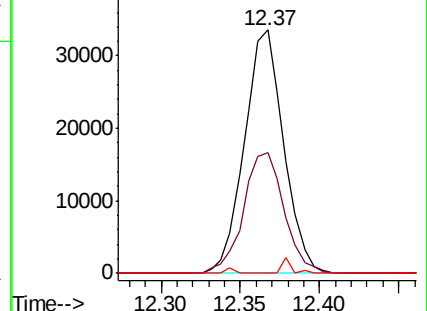
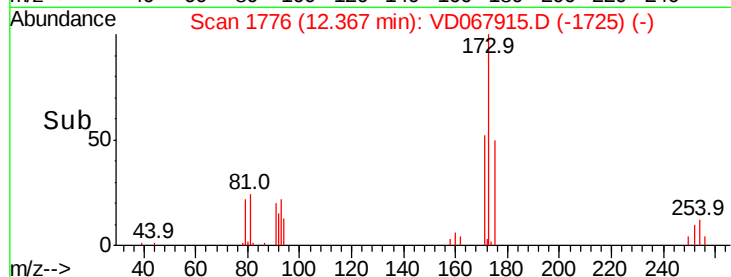
254 1.6 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

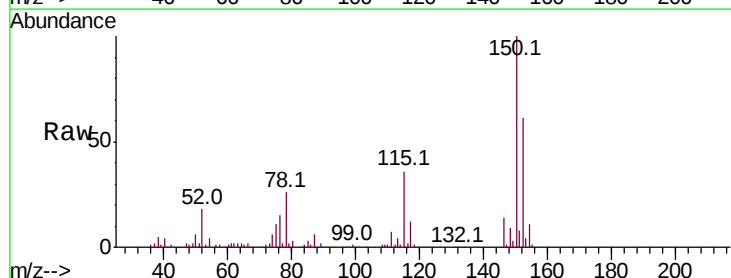
Tgt Ion:152 Resp: 134790

Ion Ratio Lower Upper

152 100

115 61.3 29.1 87.4

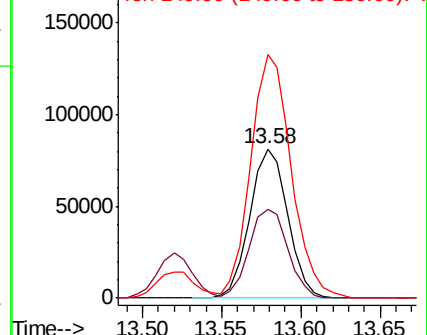
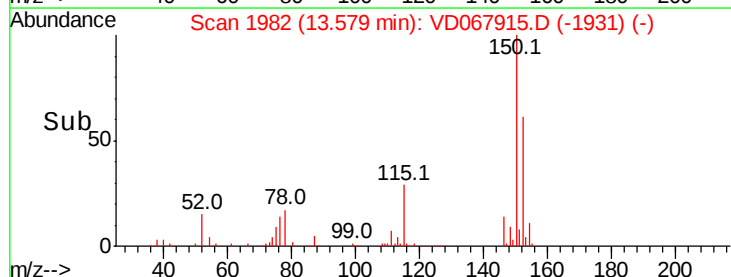
150 175.3 0.0 339.0

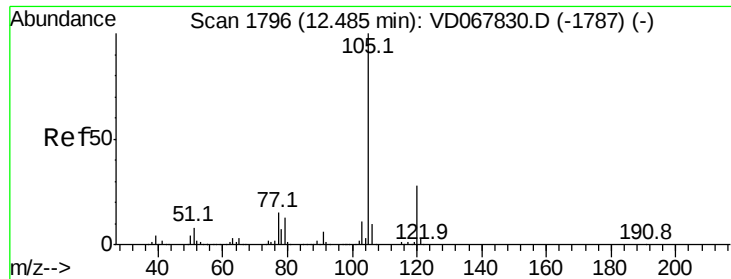


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.993 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

Instrument :

MSVOA_D

ClientSampleId :

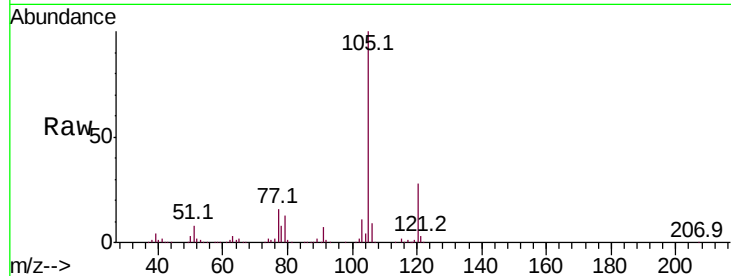
VSTDCCC050EC

Tot Ion:105 Resp: 491214

Ion Ratio Lower Upper

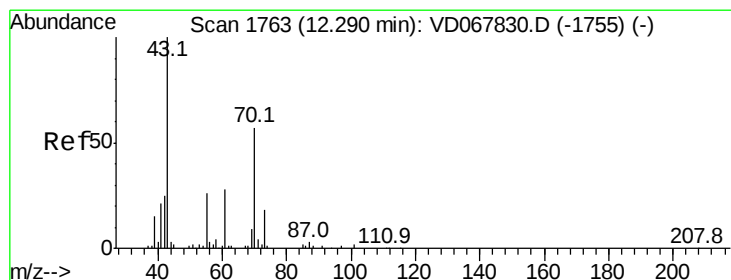
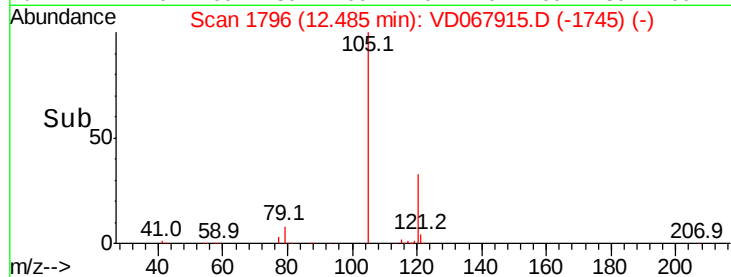
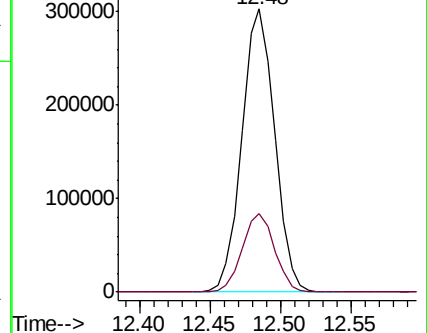
105 100

120 27.4 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: 47.935 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

Tgt Ion: 43 Resp: 54962

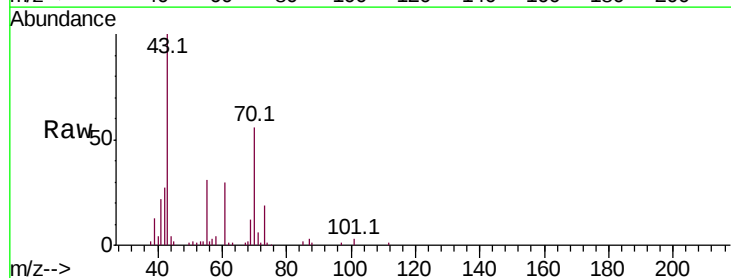
Ion Ratio Lower Upper

43 100

70 55.3 44.6 66.8

55 29.2 22.2 33.2

61 26.4 22.7 34.1

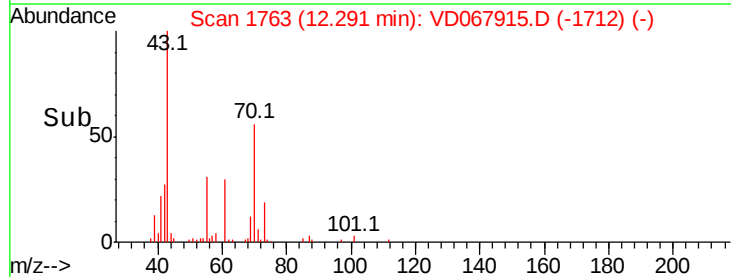
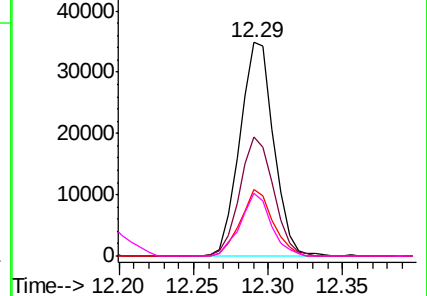


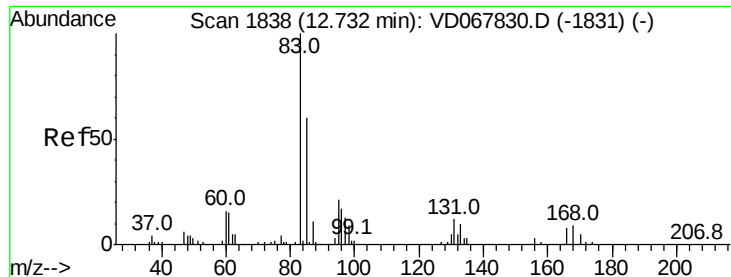
Abundance Ion 43.00 (42.70 to 43.70): V

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: 43.647 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

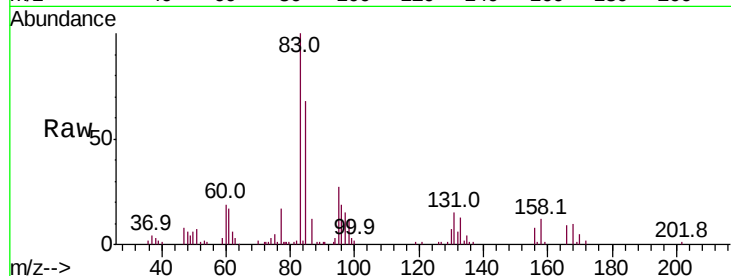
Tot Ion: 83 Resp: 53415

Ion Ratio Lower Upper

83 100

131 16.5 8.0 24.0

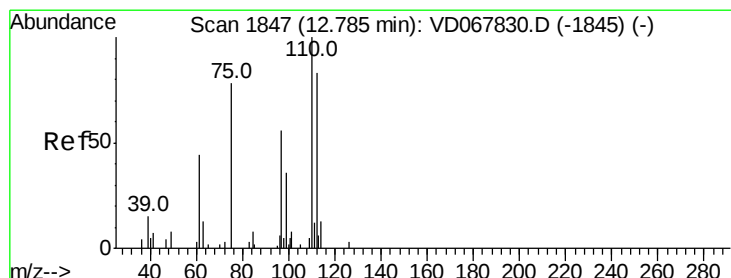
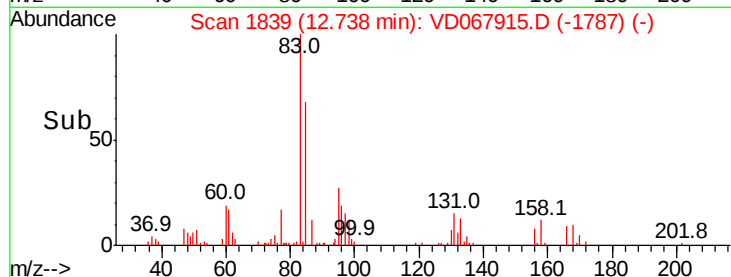
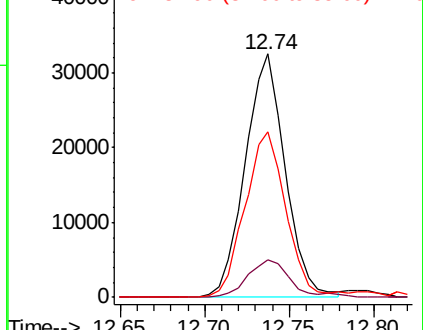
85 69.1 31.7 95.1



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: 88.119 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD067915.D

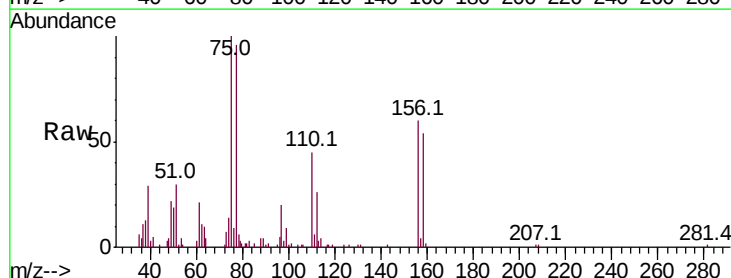
Acq: 08 Dec 2020 16:35

Tgt Ion: 75 Resp: 86496

Ion Ratio Lower Upper

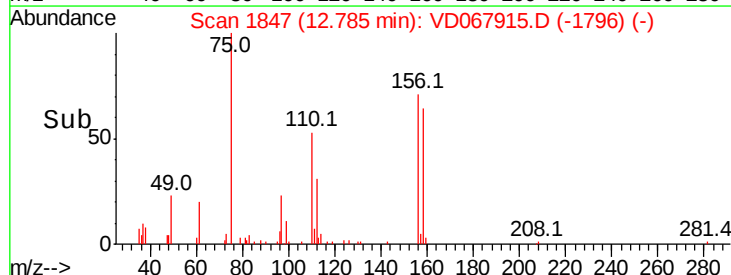
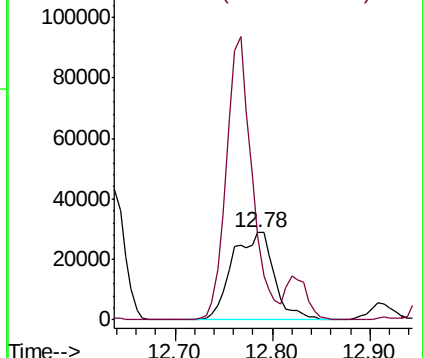
75 100

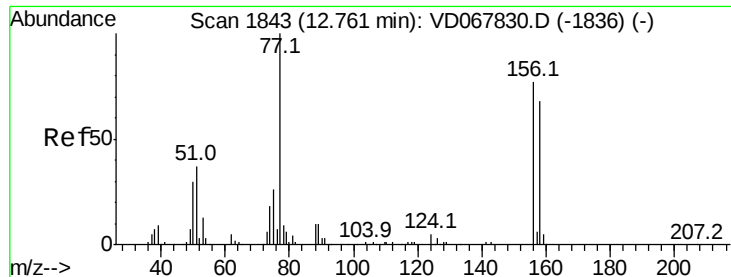
77 199.7 175.9 527.7



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 51.808 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

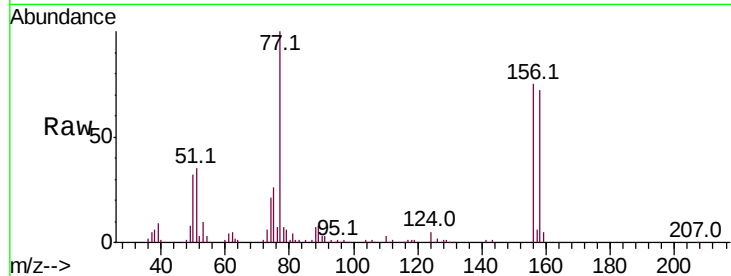
Tot Ion:156 Resp: 119389

Ion Ratio Lower Upper

156 100

77 144.7 71.5 214.5

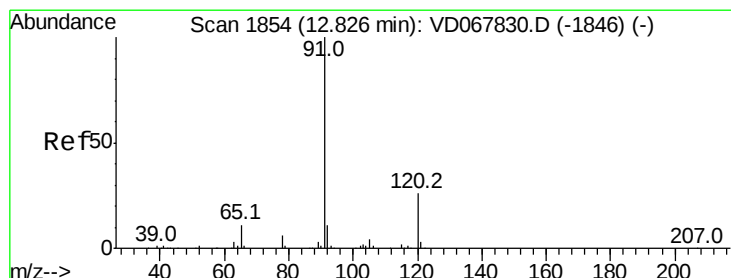
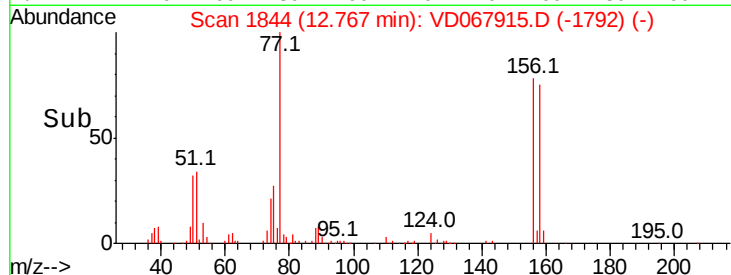
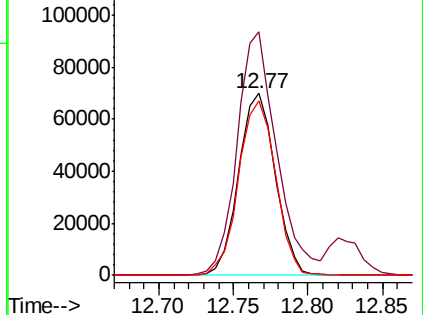
158 97.0 47.1 141.4



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: 52.655 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067915.D

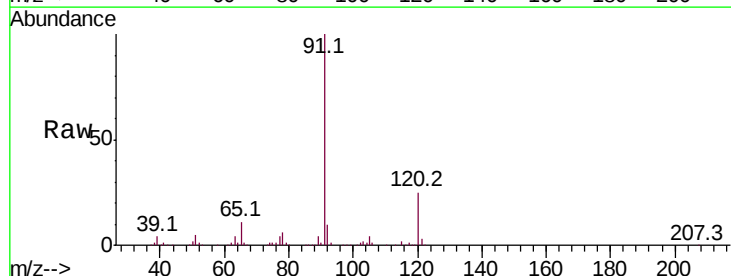
Acq: 08 Dec 2020 16:35

Tgt Ion: 91 Resp: 540965

Ion Ratio Lower Upper

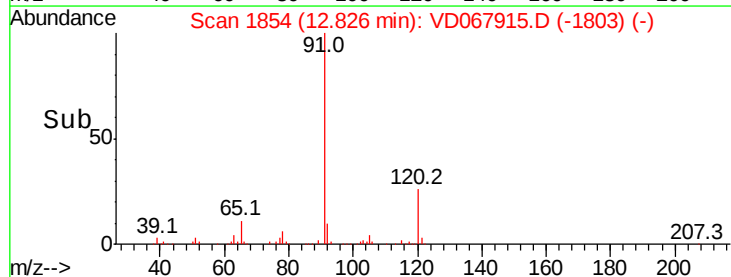
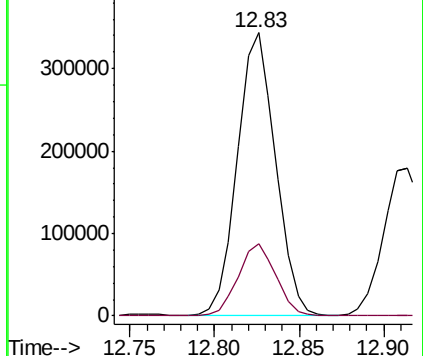
91 100

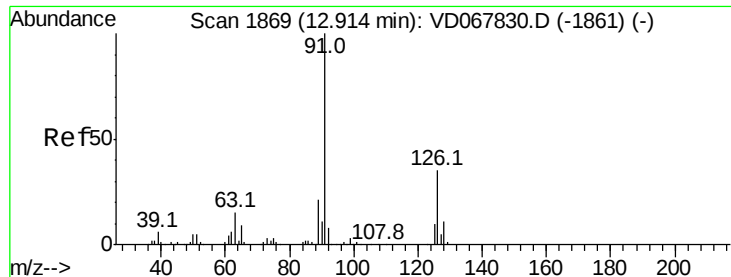
120 25.2 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.643 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

Instrument :

MSVOA_D

ClientSampleId :

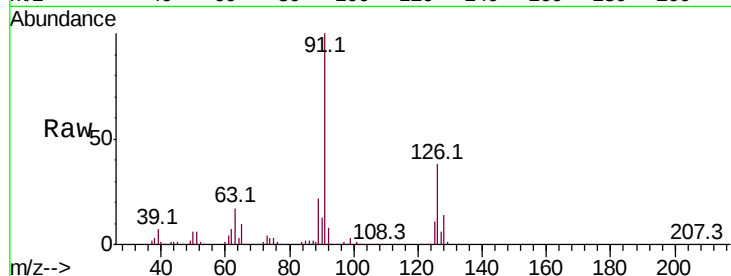
VSTDCCC050EC

Tot Ion: 91 Resp: 312131

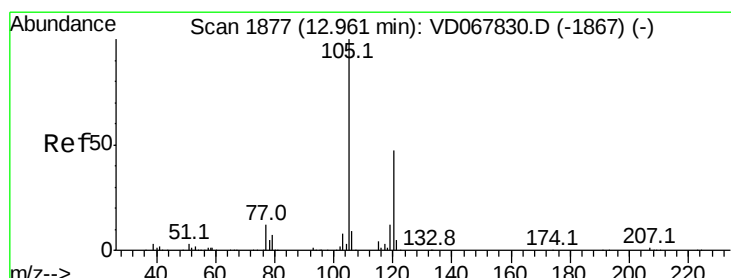
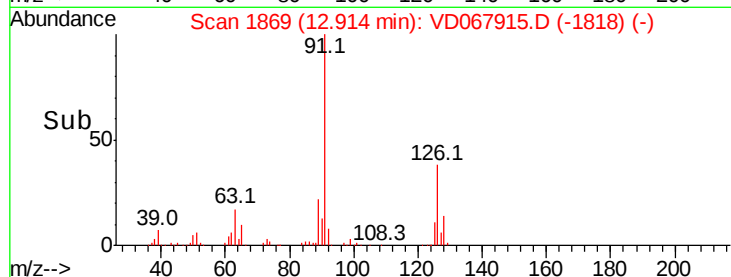
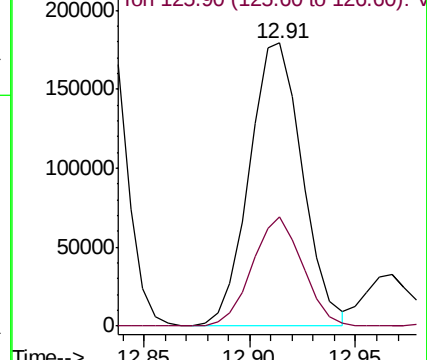
Ion Ratio Lower Upper

91 100

126 36.8 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VD067830.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 54.009 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD067915.D

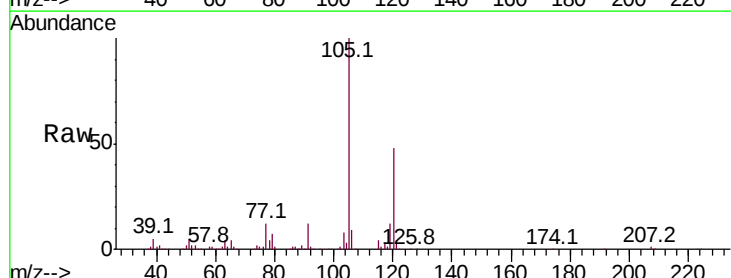
Acq: 08 Dec 2020 16:35

Tgt Ion: 105 Resp: 433450

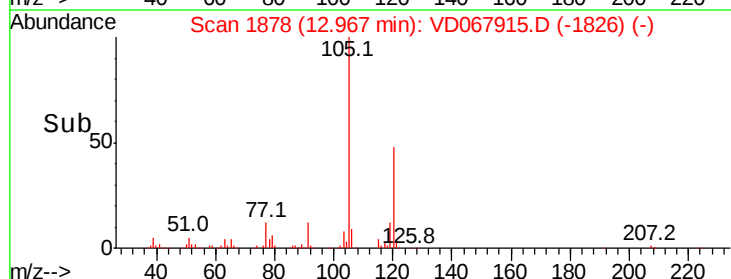
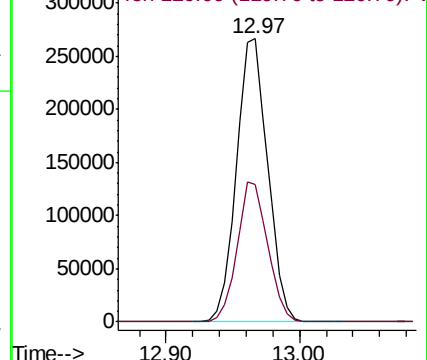
Ion Ratio Lower Upper

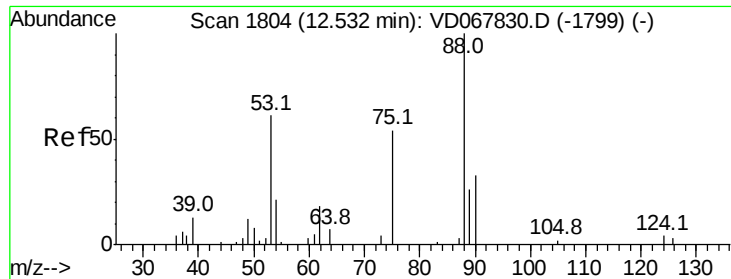
105 100

120 48.3 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VD067830.D (-1867) (-)

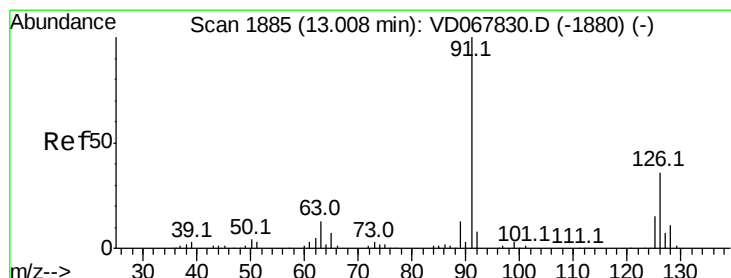
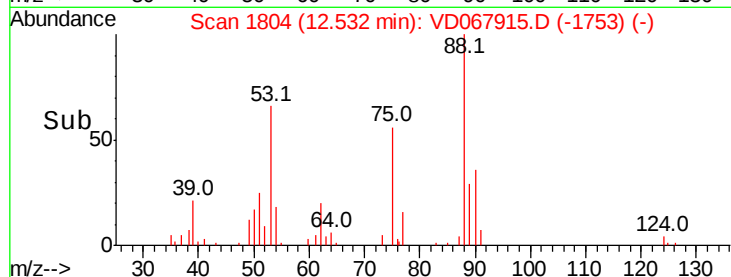
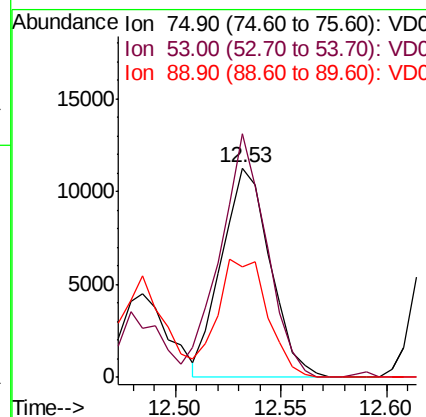
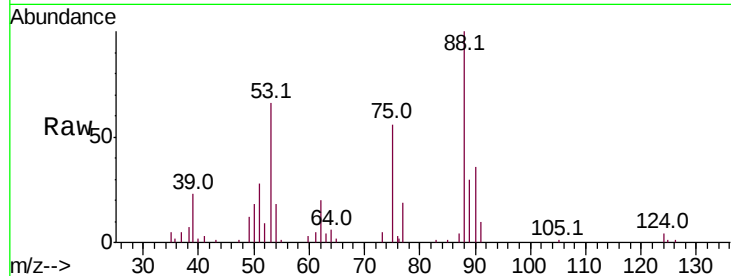




#81
trans-1,4-Dichloro-2-butene
Concen: 43.797 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

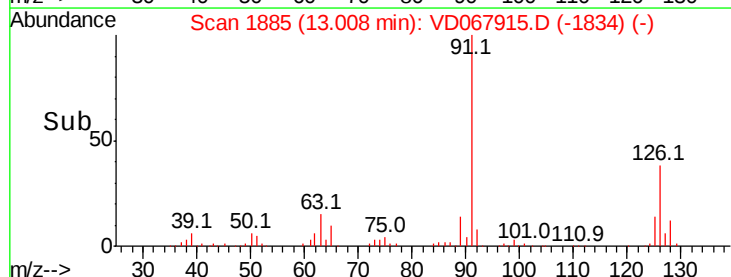
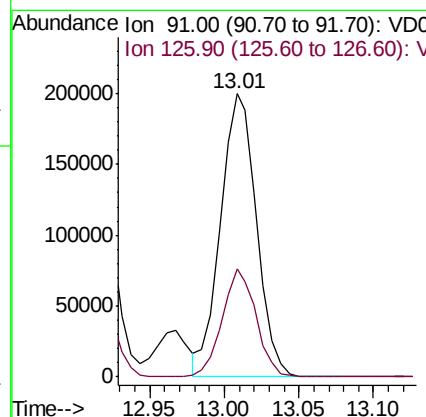
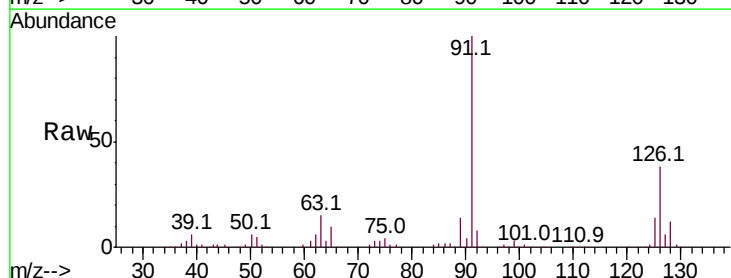
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

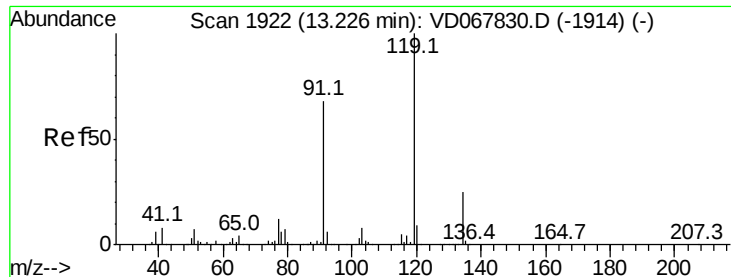
Tot Ion: 75 Resp: 17972
Ion Ratio Lower Upper
75 100
53 110.7 84.6 127.0
89 58.0 41.0 61.6



#82
4-Chlorotoluene
Concen: 52.020 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Tgt Ion: 91 Resp: 335387
Ion Ratio Lower Upper
91 100
126 35.9 18.1 54.4

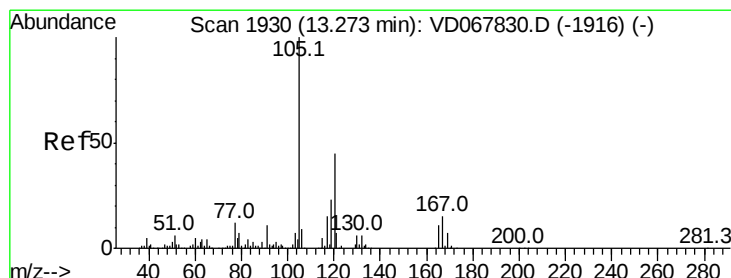
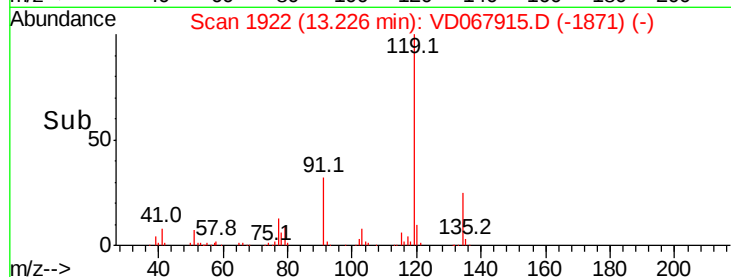
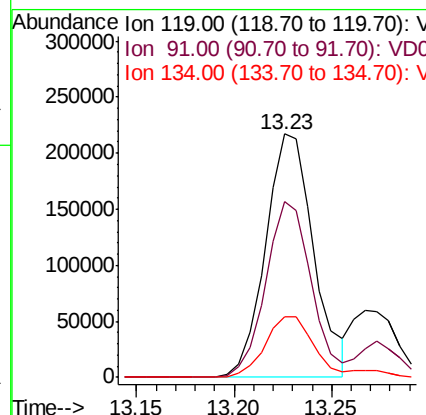
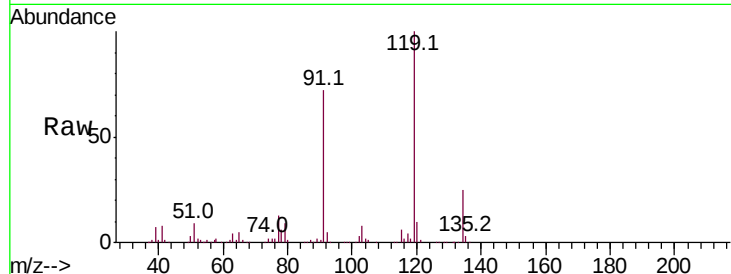




#83
tert-Butylbenzene
Concen: 54.410 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

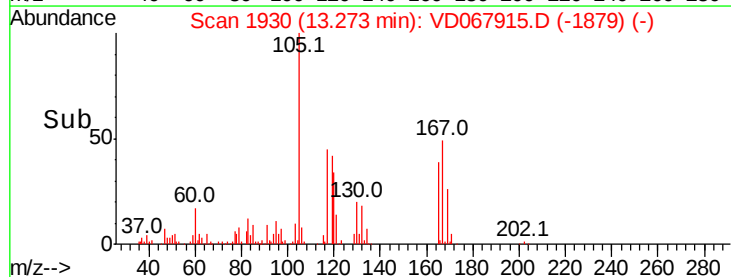
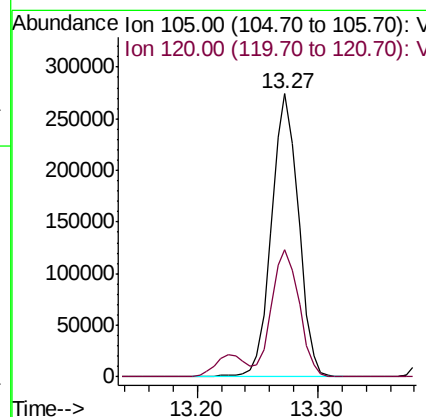
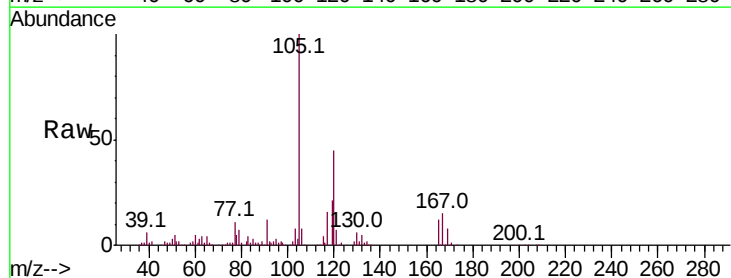
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

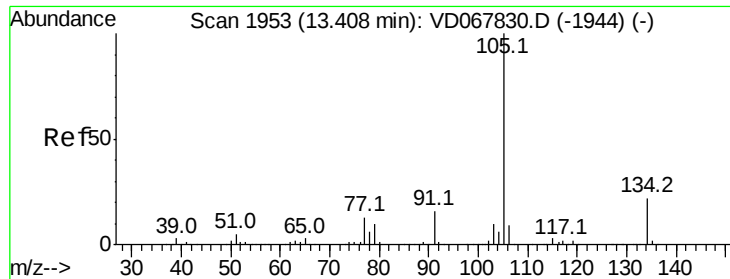
Tot Ion:119 Resp: 371587
Ion Ratio Lower Upper
119 100
91 68.0 33.1 99.3
134 27.2 13.6 40.8



#84
1,2,4-Trimethylbenzene
Concen: 53.139 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Tgt Ion:105 Resp: 424076
Ion Ratio Lower Upper
105 100
120 46.0 22.1 66.5

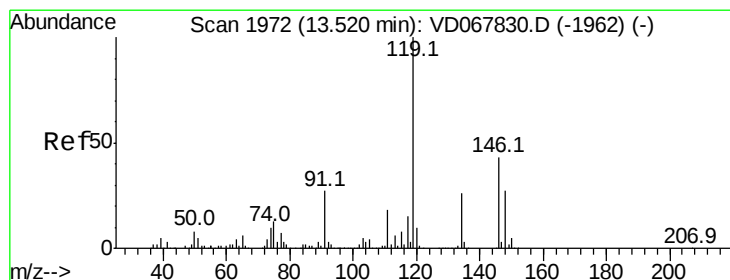
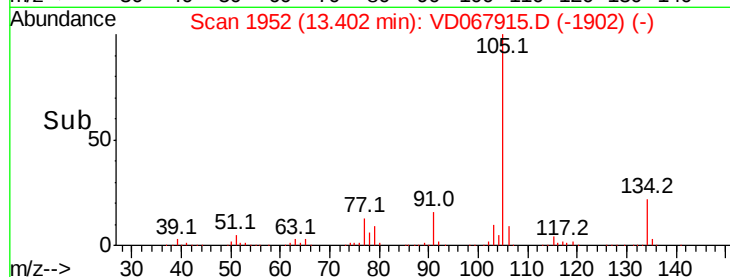
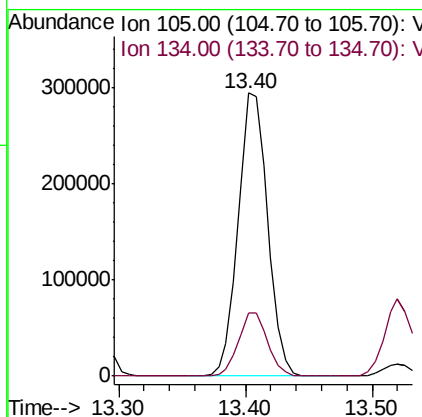
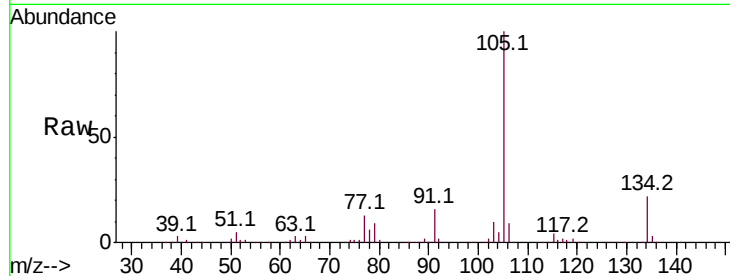




#85
 sec-Butylbenzene
 Concen: 51.972 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.01 min
 Lab File: VD067915.D
 Acq: 08 Dec 2020 16:35

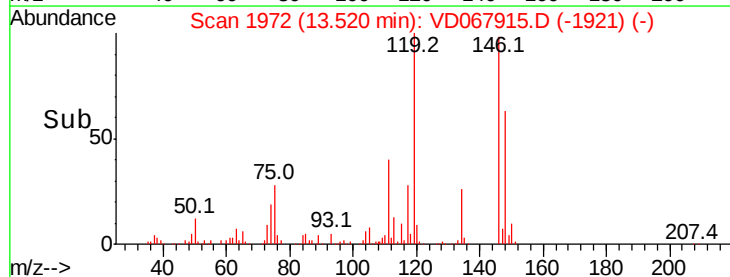
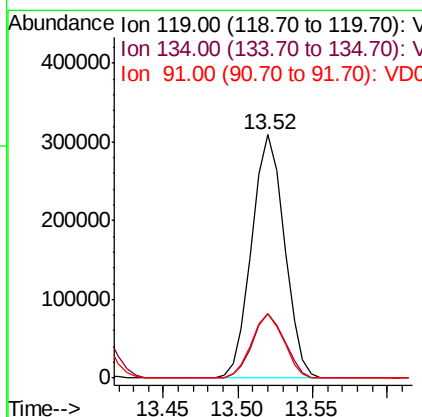
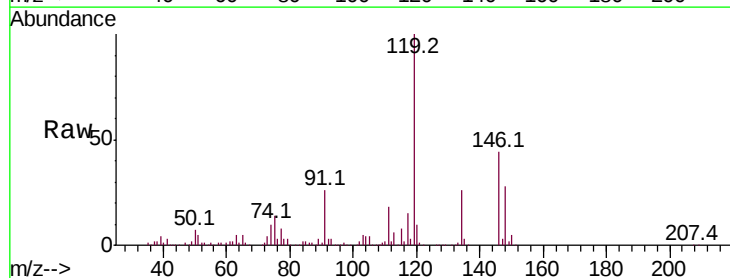
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

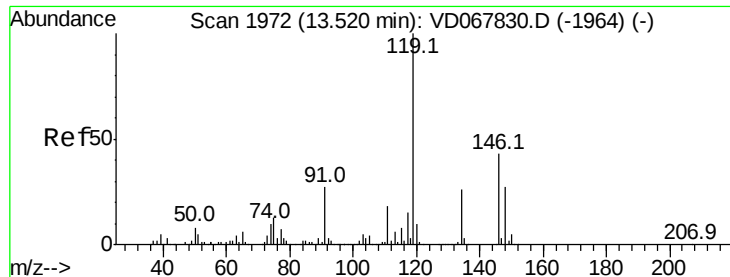
Tot Ion:105 Resp: 473734
 Ion Ratio Lower Upper
 105 100
 134 22.1 10.9 32.9



#86
 p-Isopropyltoluene
 Concen: 52.611 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067915.D
 Acq: 08 Dec 2020 16:35

Tgt Ion:119 Resp: 470007
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.1 39.3
 91 25.8 12.8 38.3

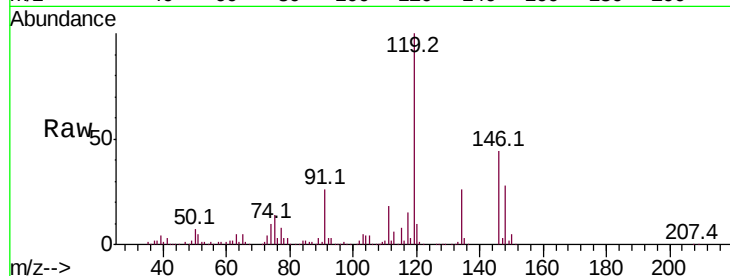




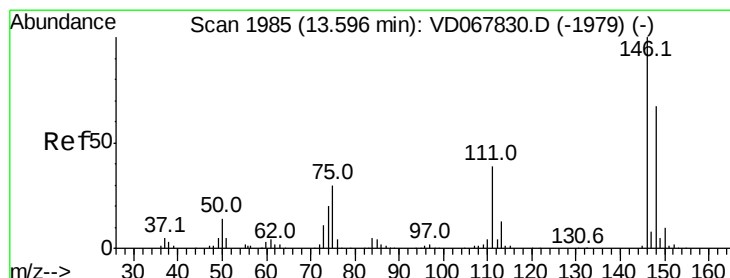
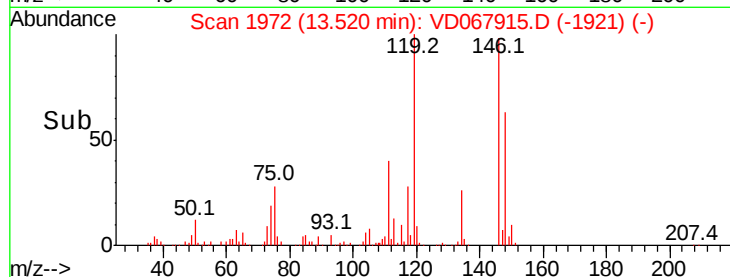
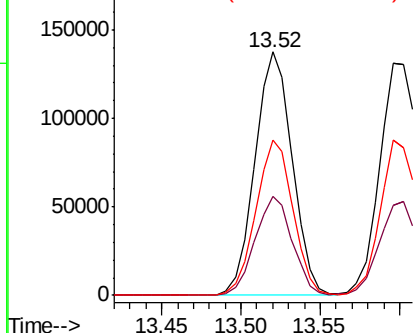
#87
 1,3-Dichlorobenzene
 Concen: 50.609 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067915.D
 Acq: 08 Dec 2020 16:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:146 Resp: 224971
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.8 62.2
 148 63.3 32.9 98.6

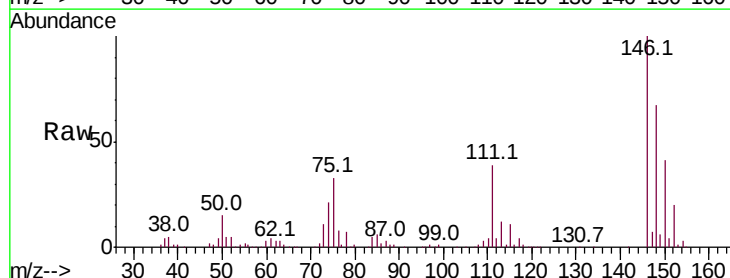


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

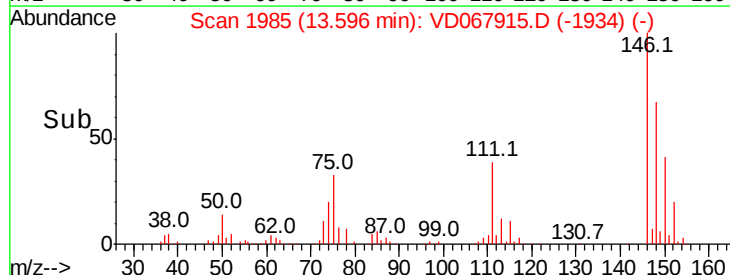
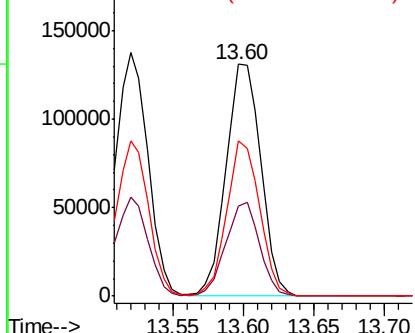


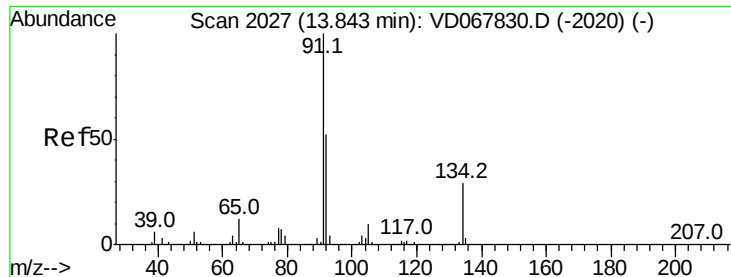
#88
 1,4-Dichlorobenzene
 Concen: 50.716 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD067915.D
 Acq: 08 Dec 2020 16:35

Tgt Ion:146 Resp: 225546
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.9 59.6
 148 63.2 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

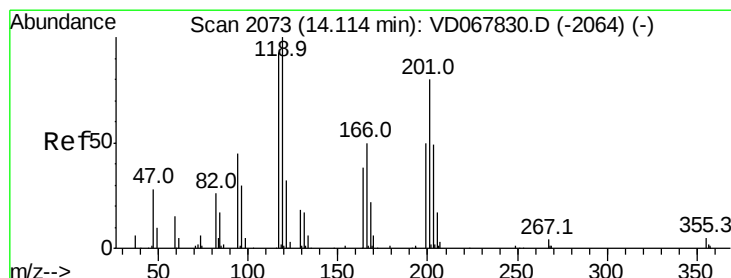
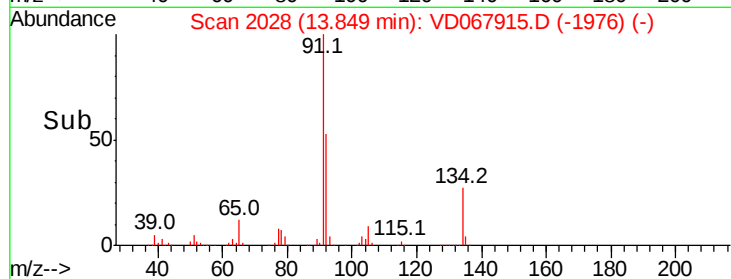
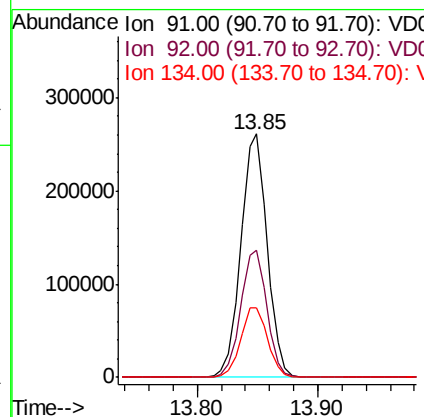
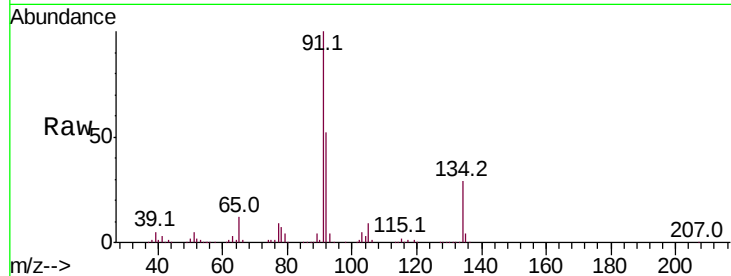




#89
n-Butylbenzene
Concen: 53.225 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

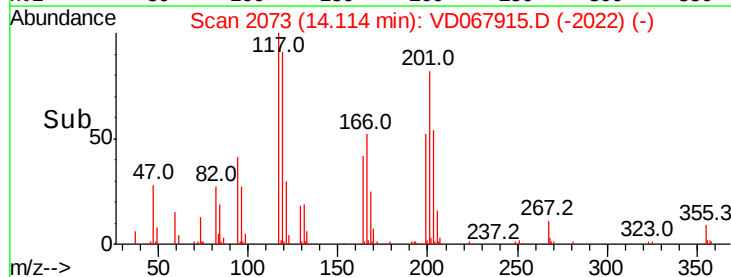
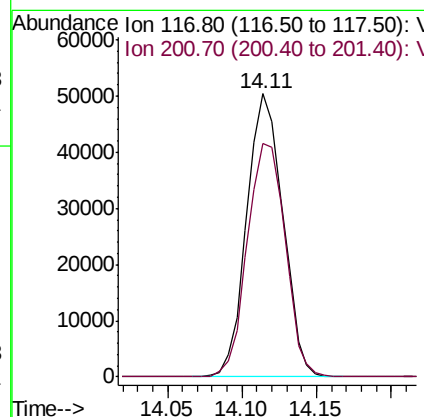
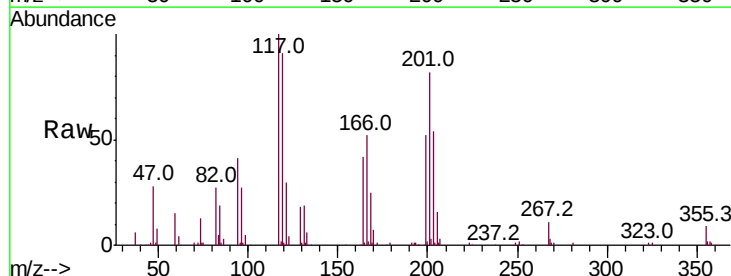
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

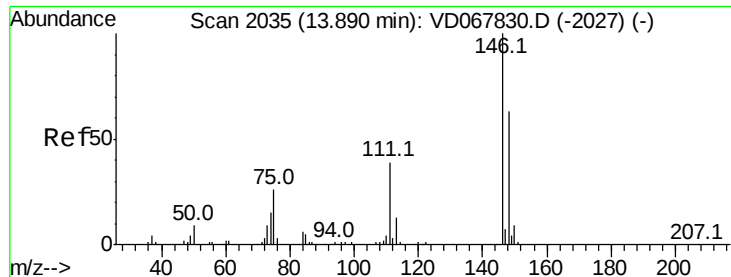
Tot Ion: 91 Resp: 395030
Ion Ratio Lower Upper
91 100
92 52.2 26.3 78.8
134 29.4 14.8 44.3



#90
Hexachloroethane
Concen: 51.178 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Tgt Ion: 117 Resp: 84409
Ion Ratio Lower Upper
117 100
201 86.9 43.9 131.6





#91

1,2-Dichlorobenzene

Concen: 50.172 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

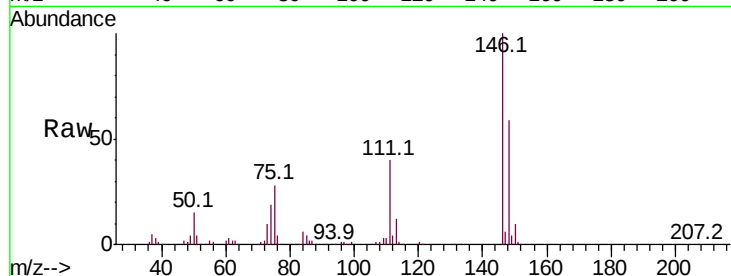
Tot Ion:146 Resp: 193435

Ion Ratio Lower Upper

146 100

111 41.4 20.4 61.2

148 64.3 32.1 96.3

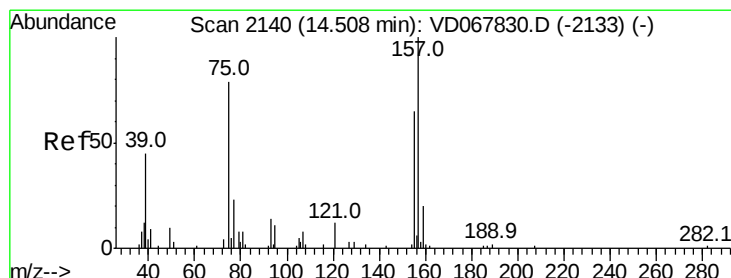
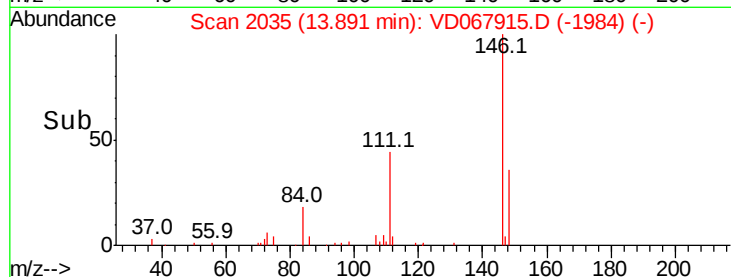
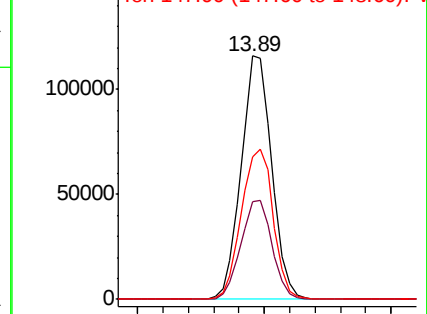


Abundance

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



#92

1,2-Dibromo-3-Chloropropane

Concen: 50.986 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. 0.01 min

Lab File: VD067915.D

Acq: 08 Dec 2020 16:35

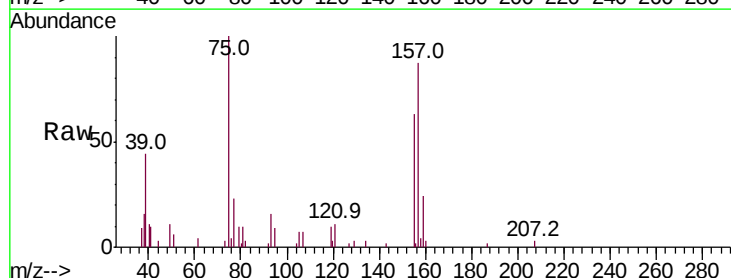
Tgt Ion: 75 Resp: 13022

Ion Ratio Lower Upper

75 100

155 78.9 44.1 132.4

157 100.4 62.4 187.2

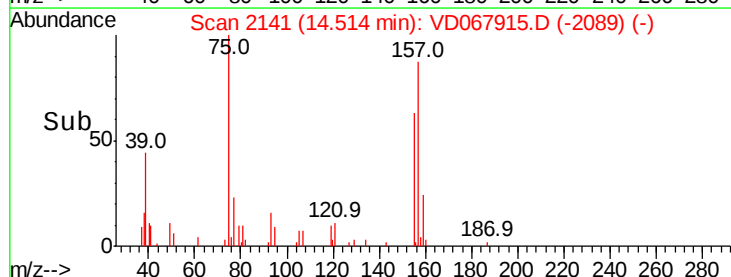
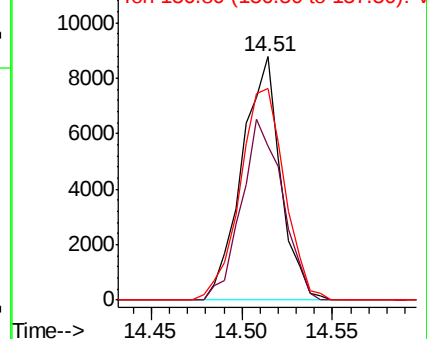


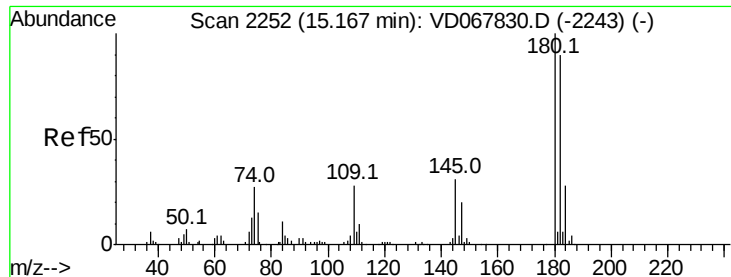
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

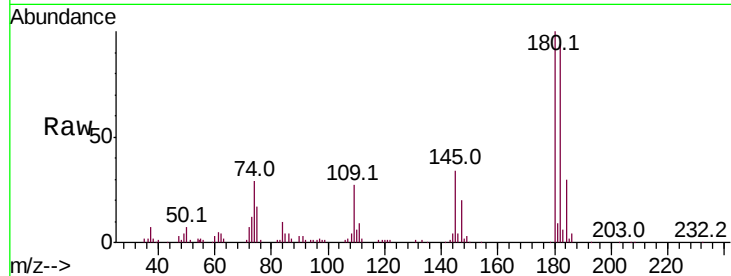




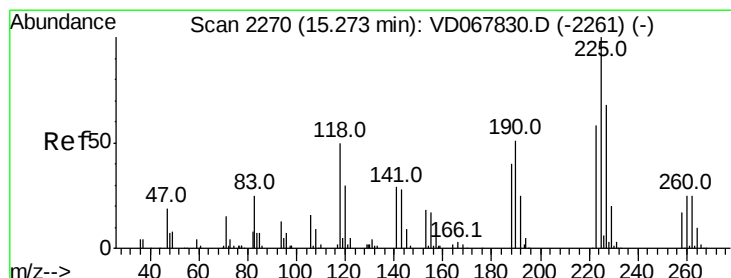
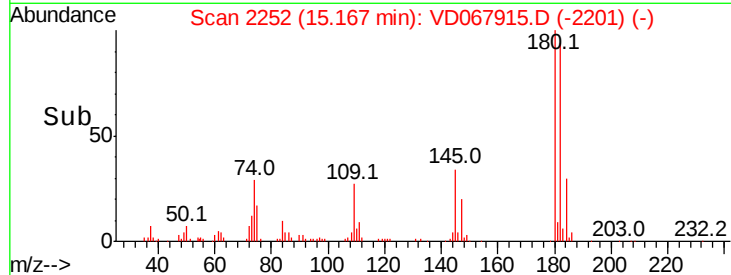
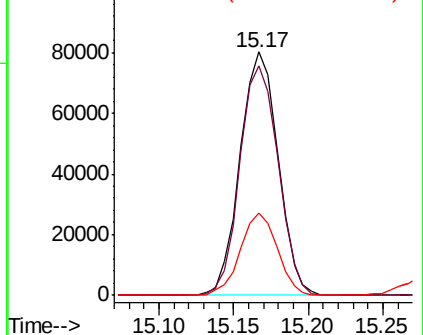
#93
 1,2,4-Trichlorobenzene
 Concen: 52.621 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD067915.D
 Acq: 08 Dec 2020 16:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 141911
 Ion Ratio Lower Upper
 180 100
 182 95.2 47.5 142.6
 145 32.8 16.4 49.4

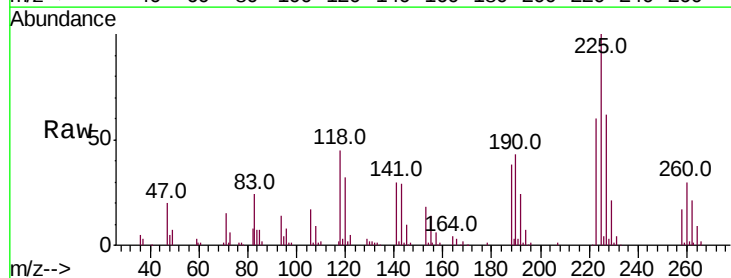


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

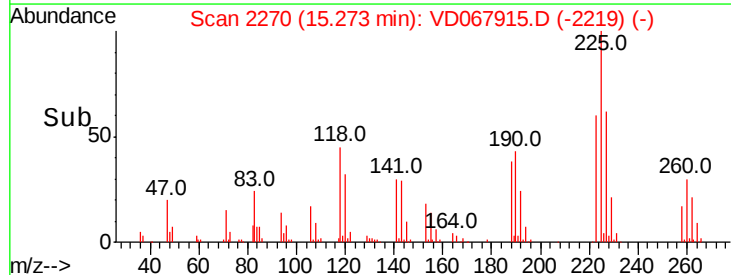
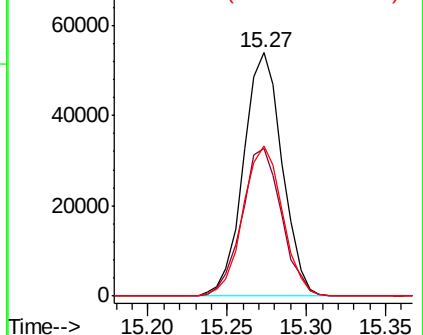


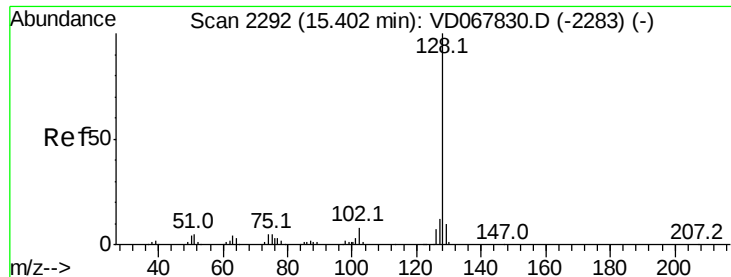
#94
 Hexachlorobutadiene
 Concen: 52.070 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067915.D
 Acq: 08 Dec 2020 16:35

Tgt Ion:225 Resp: 91631
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.1 93.3
 227 63.0 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

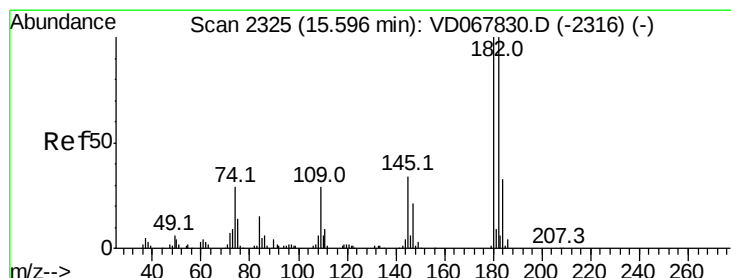
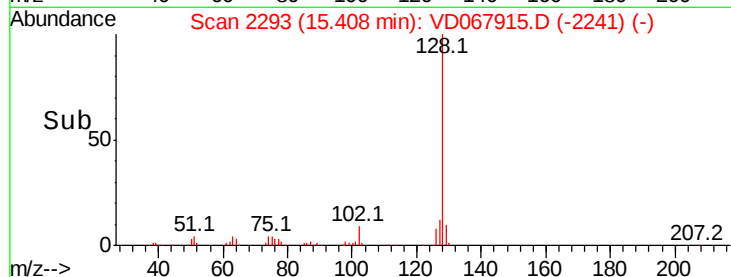
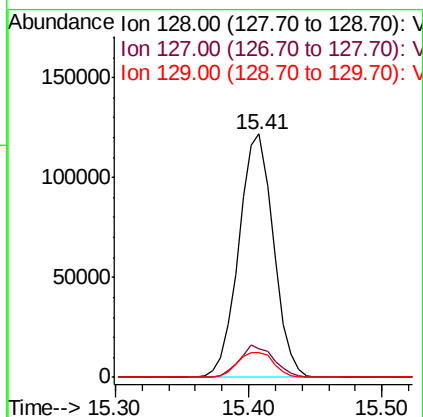
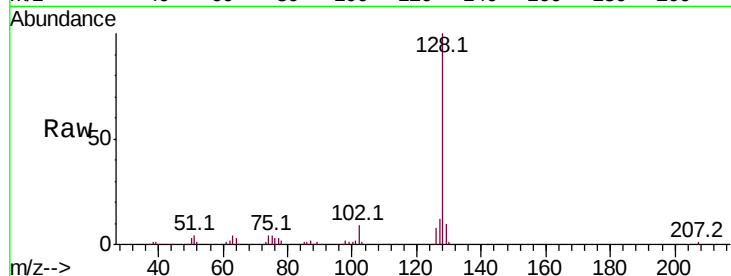




#95
Naphthalene
Concen: 49.817 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 218614
Ion Ratio Lower Upper
128 100
127 13.2 10.6 15.8
129 10.8 9.0 13.6



#96
1,2,3-Trichlorobenzene
Concen: 51.725 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VD067915.D
Acq: 08 Dec 2020 16:35

Tgt Ion:180 Resp: 120465
Ion Ratio Lower Upper
180 100
182 94.9 47.3 142.0
145 34.7 16.8 50.4

