

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110920\
 Data File : VD067558.D
 Acq On : 09 Nov 2020 11:45
 Operator : VA/SY
 Sample : VD1109SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 10 00:19:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	299192	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	435705	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	390493	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	196017	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	128959	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
35) Dibromofluoromethane	7.92	113	125073	47.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.28%	
50) Toluene-d8	10.34	98	447021	48.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.92%	
62) 4-Bromofluorobenzene	12.64	95	162834	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	60922	22.669	ug/l	92
3) Chloromethane	2.21	50	36705	19.701	ug/l	98
4) Vinyl Chloride	2.35	62	39937	19.226	ug/l	100
5) Bromomethane	2.76	94	32039	19.030	ug/l	97
6) Chloroethane	2.91	64	26072	20.359	ug/l	95
7) Trichlorofluoromethane	3.27	101	117403	21.828	ug/l	96
8) Diethyl Ether	3.71	74	23722	21.889	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	56534	20.824	ug/l	96
10) Methyl Iodide	4.30	142	55852	19.195	ug/l	98
11) Tert butyl alcohol	5.22	59	15862	131.090	ug/l	98
12) 1,1-Dichloroethene	4.07	96	53774	21.534	ug/l	84
13) Acrolein	3.91	56	6566	78.486	ug/l	93
14) Allyl chloride	4.71	41	54901	20.542	ug/l	99
15) Acrylonitrile	5.43	53	43233	107.917	ug/l	96
16) Acetone	4.16	43	39340	100.489	ug/l	100
17) Carbon Disulfide	4.41	76	155018	20.258	ug/l	95
18) Methyl Acetate	4.71	43	17696	21.874	ug/l #	70
19) Methyl tert-butyl Ether	5.47	73	108415	22.010	ug/l	96
20) Methylene Chloride	4.97	84	65012	23.509	ug/l	91
21) trans-1,2-Dichloroethene	5.47	96	60016	20.634	ug/l	91
22) Diisopropyl ether	6.36	45	112577	21.615	ug/l	94
23) Vinyl Acetate	6.31	43	290343	106.499	ug/l	97
24) 1,1-Dichloroethane	6.26	63	91018	21.362	ug/l	99
25) 2-Butanone	7.21	43	46560	111.304	ug/l	98
26) 2,2-Dichloropropane	7.21	77	94691	21.057	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	64001	21.200	ug/l	99
28) Bromochloromethane	7.54	49	29259	19.305	ug/l	95
29) Tetrahydrofuran	7.56	42	27703	110.559	ug/l	98
30) Chloroform	7.71	83	109985	21.637	ug/l	99
31) Cyclohexane	7.99	56	74410	19.611	ug/l #	87
32) 1,1,1-Trichloroethane	7.91	97	113253	21.594	ug/l	98
36) 1,1-Dichloropropene	8.11	75	80730	21.646	ug/l	97
37) Ethyl Acetate	7.29	43	22942	23.694	ug/l	95
38) Carbon Tetrachloride	8.10	117	109478	22.593	ug/l	95

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 MSVOA_D
 ClientSampleId :

Quant Time: Nov 10 00:19:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	94849	21.608	ug/l	95
40) Benzene	8.36	78	218900	21.668	ug/l	99
41) Methacrylonitrile	7.53	41	9856	17.029	ug/l #	80
42) 1,2-Dichloroethane	8.43	62	71005	22.748	ug/l	97
43) Isopropyl Acetate	8.46	43	41414	21.627	ug/l	98
44) Trichloroethene	9.11	130	73490	22.124	ug/l	86
45) 1,2-Dichloropropane	9.39	63	46317	21.205	ug/l	99
46) Dibromomethane	9.47	93	29864	21.504	ug/l	98
47) Bromodichloromethane	9.67	83	81227	21.519	ug/l	100
48) Methyl methacrylate	9.46	41	20367	20.599	ug/l #	90
49) 1,4-Dioxane	9.47	88	6849	485.792	ug/l #	92
51) 4-Methyl-2-Pentanone	10.23	43	106967	116.799	ug/l	100
52) Toluene	10.41	92	148595	21.960	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	73539	22.747	ug/l	90
54) cis-1,3-Dichloropropene	10.09	75	83478	21.733	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	40361	21.965	ug/l	98
56) Ethyl methacrylate	10.67	69	42121	22.197	ug/l	95
57) 1,3-Dichloropropane	10.95	76	63818	21.582	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	98357	111.151	ug/l	100
59) 2-Hexanone	10.99	43	72478	113.186	ug/l	96
60) Dibromochloromethane	11.14	129	62839	23.118	ug/l	97
61) 1,2-Dibromoethane	11.25	107	39738	21.547	ug/l	96
64) Tetrachloroethene	10.88	164	64428	22.278	ug/l	97
65) Chlorobenzene	11.67	112	164826	21.913	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	66597	22.464	ug/l	99
67) Ethyl Benzene	11.75	91	284830	22.129	ug/l	98
68) m/p-Xylenes	11.86	106	221325	44.198	ug/l	98
69) o-Xylene	12.18	106	98335	21.994	ug/l	97
70) Styrene	12.20	104	175396	22.514	ug/l	99
71) Bromoform	12.37	173	36081	23.863	ug/l #	99
73) Isopropylbenzene	12.48	105	287479	22.693	ug/l	100
74) N-amyl acetate	12.29	43	37637	22.579	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	39365	22.788	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	56708	47.957	ug/l #	100
77) Bromobenzene	12.77	156	69275	22.267	ug/l	98
78) n-propylbenzene	12.83	91	331039	22.846	ug/l	99
79) 2-Chlorotoluene	12.91	91	187750	22.810	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	249753	23.079	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	12086	20.751	ug/l	91
82) 4-Chlorotoluene	13.01	91	202909	22.985	ug/l	99
83) tert-Butylbenzene	13.23	119	204297	22.275	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	247168	22.945	ug/l	99
85) sec-Butylbenzene	13.40	105	278757	22.515	ug/l	98
86) p-Isopropyltoluene	13.52	119	273783	22.899	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	134503	22.657	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	136936	22.780	ug/l	100
89) n-Butylbenzene	13.85	91	232264	22.490	ug/l	99
90) Hexachloroethane	14.11	117	50338	22.357	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	116913	22.755	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7533	24.629	ug/l	95

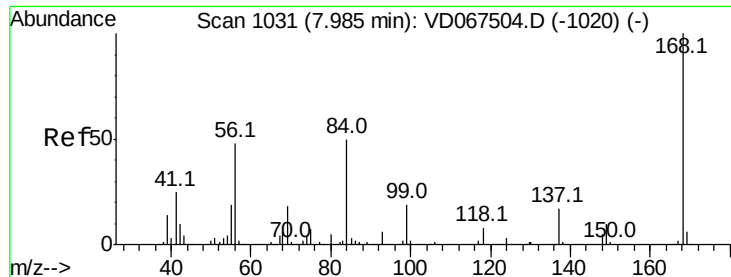
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD110920\
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Quant Time: Nov 10 00:19:02 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 04 00:56:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	81432	23.352	ug/l	98
94) Hexachlorobutadiene	15.27	225	53074	22.741	ug/l	98
95) Naphthalene	15.40	128	124380	23.112	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	69113	23.144	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Instrument :

MSVOA_D

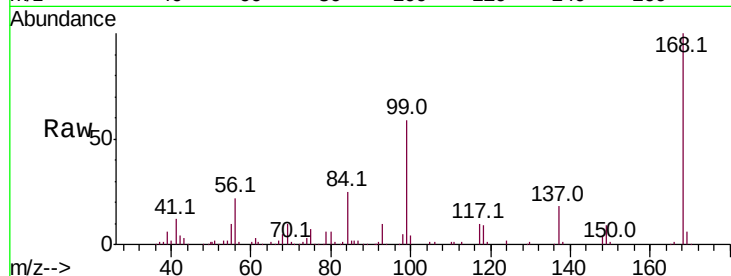
ClientSampleId :

Tot Ion:168 Resp: 299192

Ion Ratio Lower Upper

168 100

99 58.5 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

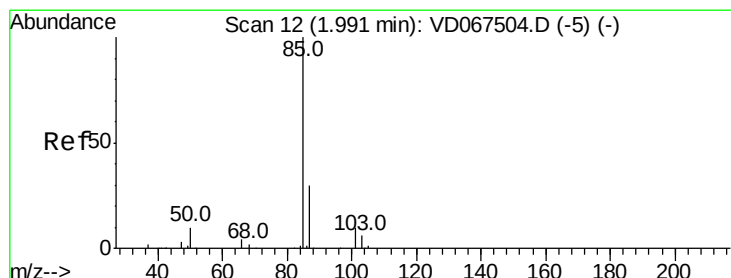
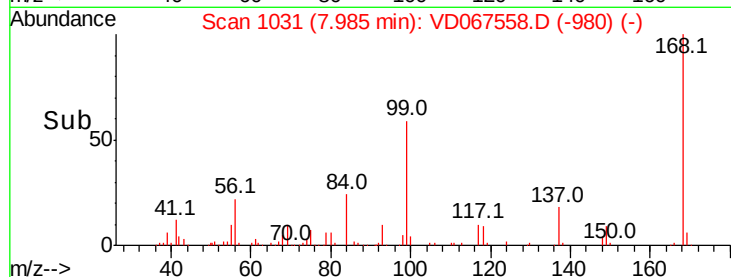
100000

50000

0

7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 22.669 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067558.D

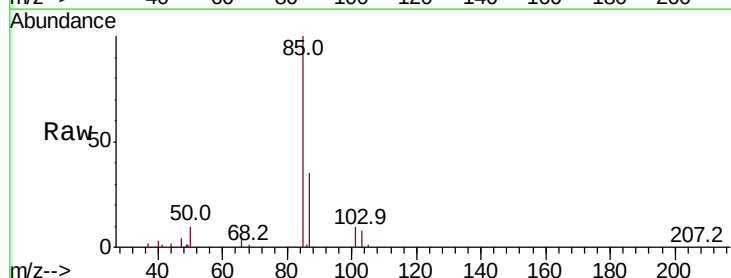
Acq: 09 Nov 2020 11:45

Tgt Ion: 85 Resp: 60922

Ion Ratio Lower Upper

85 100

87 34.8 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

50000

40000

30000

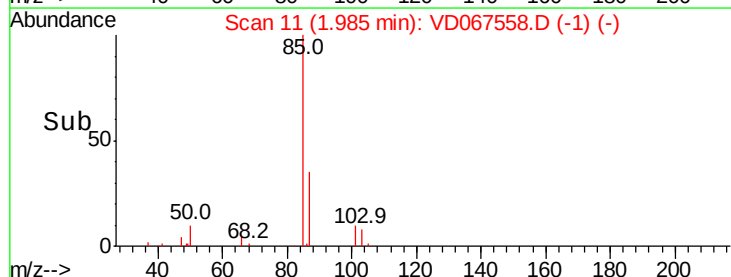
20000

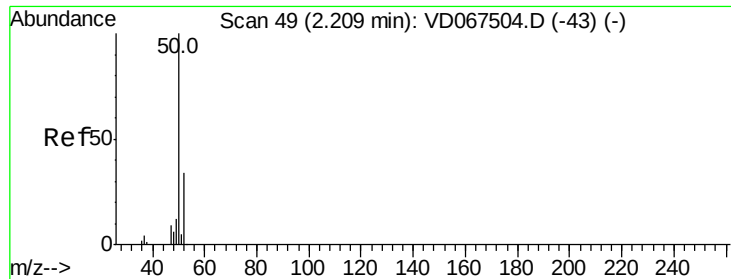
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 19.701 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Instrument :

MSVOA_D

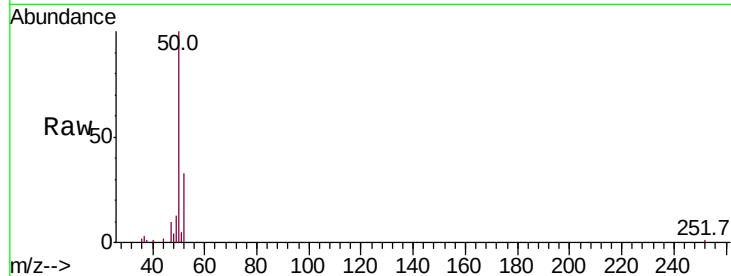
ClientSampleId :

Tot Ion: 50 Resp: 36705

Ion Ratio Lower Upper

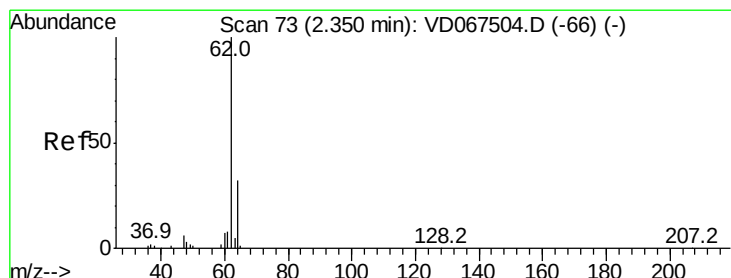
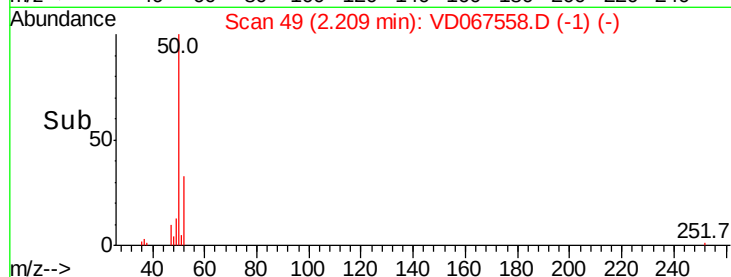
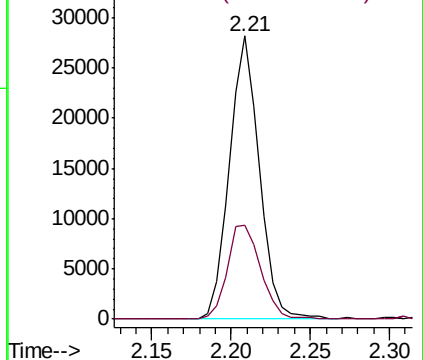
50 100

52 33.2 27.3 40.9



Abundance Ion 49.90 (49.60 to 50.60): VD0

Ion 51.90 (51.60 to 52.60): VD0



#4

Vinyl Chloride

Concen: 19.226 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD067558.D

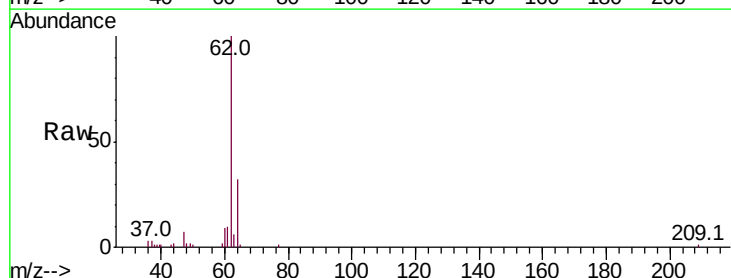
Acq: 09 Nov 2020 11:45

Tgt Ion: 62 Resp: 39937

Ion Ratio Lower Upper

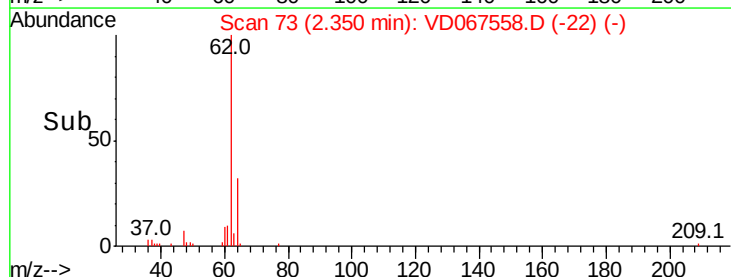
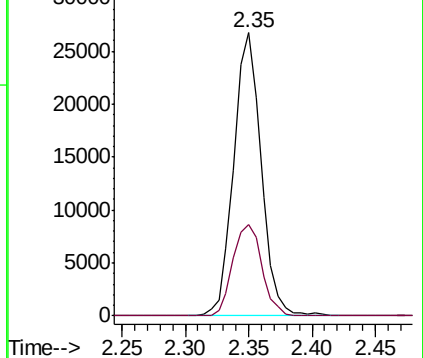
62 100

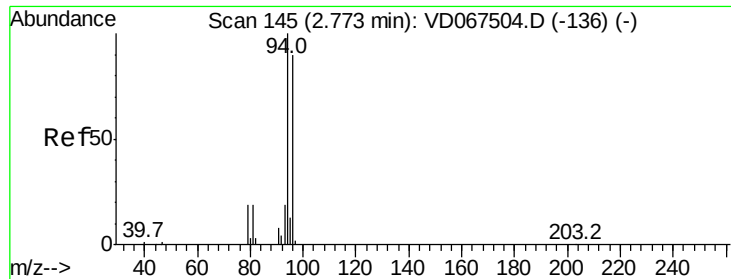
64 32.1 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VD0

Ion 63.90 (63.60 to 64.60): VD0





#5

Bromomethane

Concen: 19.030 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

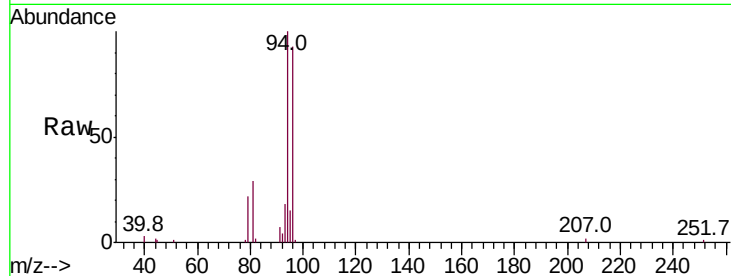
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 94 Resp: 32039

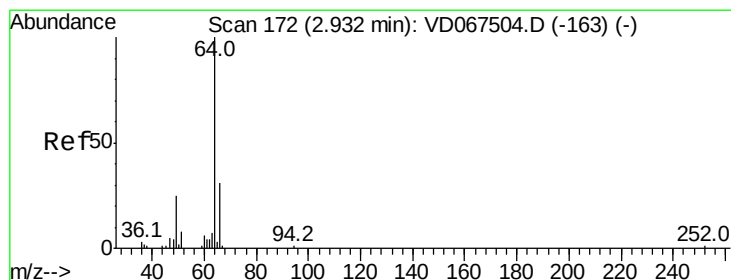
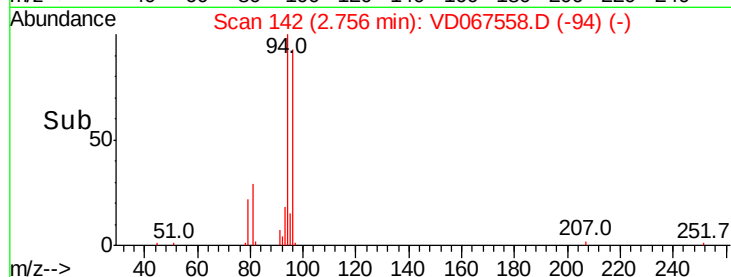
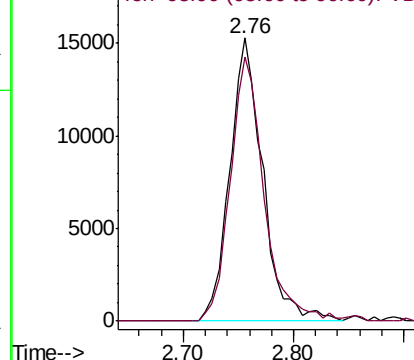
Ion Ratio Lower Upper

94 100

96 93.2 72.2 108.2



Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.359 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.02 min

Lab File: VD067558.D

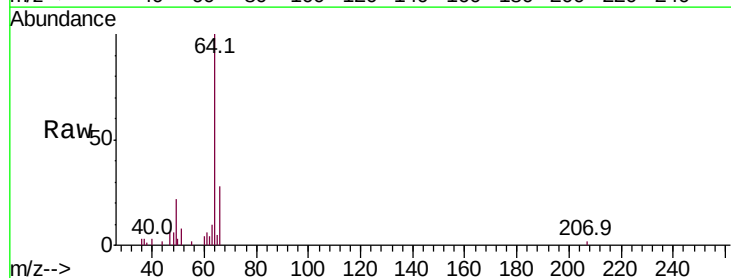
Acq: 09 Nov 2020 11:45

Tgt Ion: 64 Resp: 26072

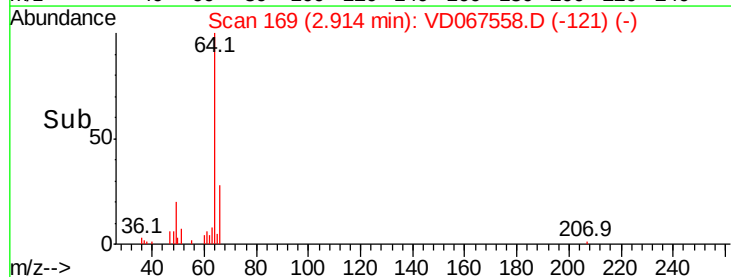
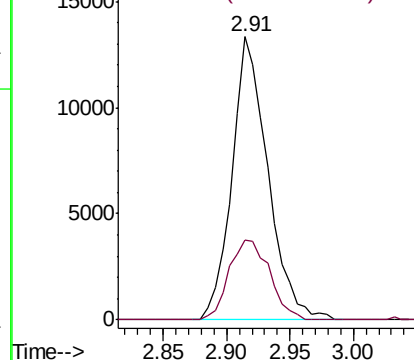
Ion Ratio Lower Upper

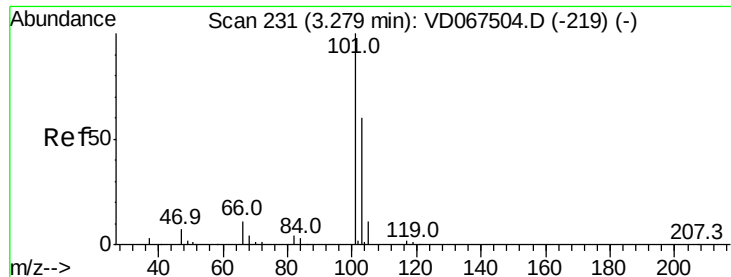
64 100

66 28.2 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC



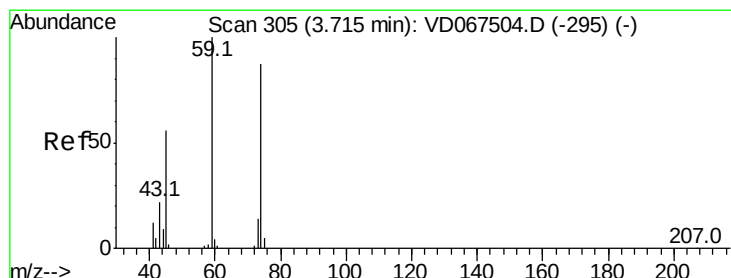
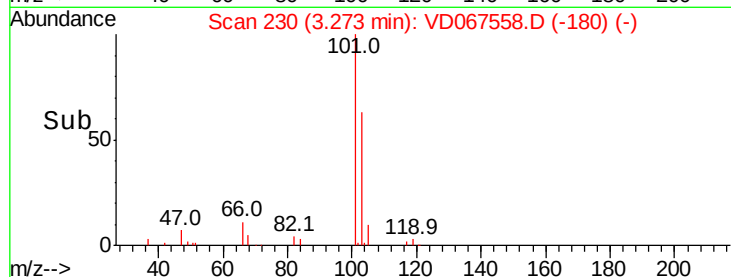
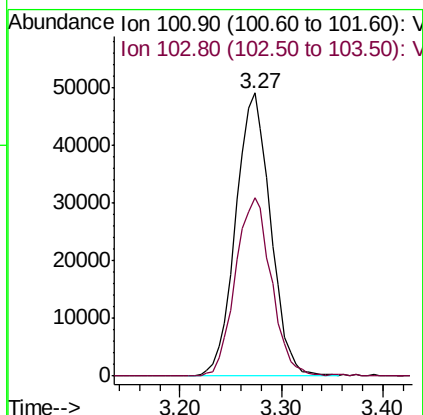
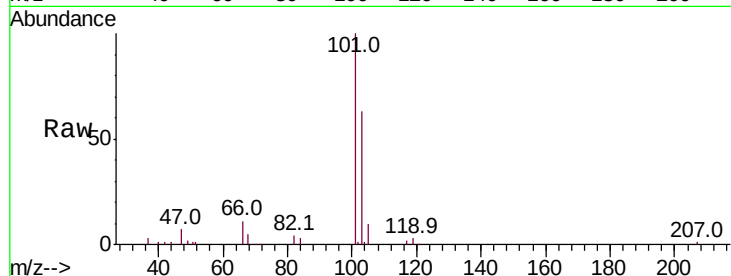


#7

Trichlorofluoromethane
 Concen: 21.828 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.01 min
 Lab File: VD067558.D
 Acq: 09 Nov 2020 11:45

Instrument :
 MSVOA_D
 ClientSampleId :

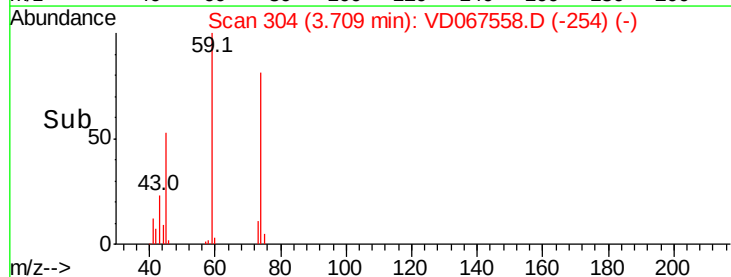
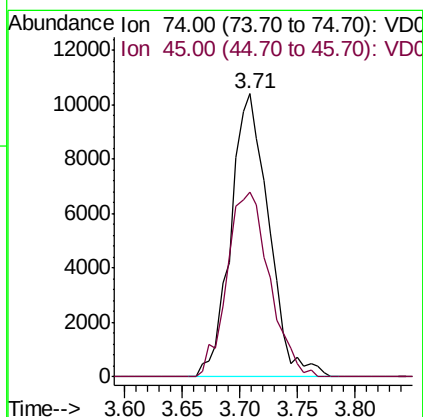
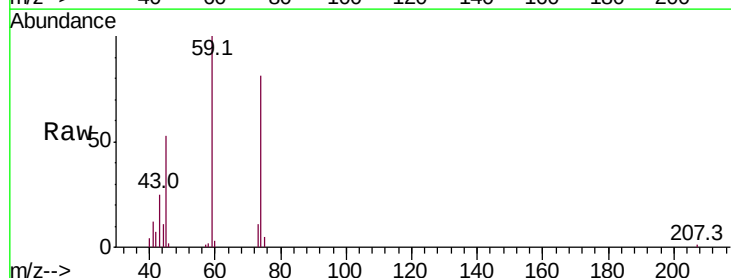
Tot Ion:101 Resp: 117403
 Ion Ratio Lower Upper
 101 100
 103 63.0 48.1 72.1

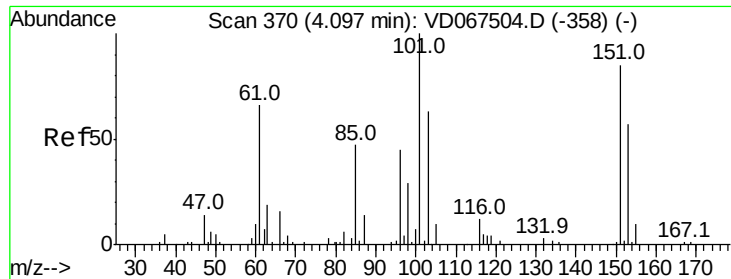


#8

Diethyl Ether
 Concen: 21.889 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.01 min
 Lab File: VD067558.D
 Acq: 09 Nov 2020 11:45

Tgt Ion: 74 Resp: 23722
 Ion Ratio Lower Upper
 74 100
 45 72.9 38.2 114.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.824 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

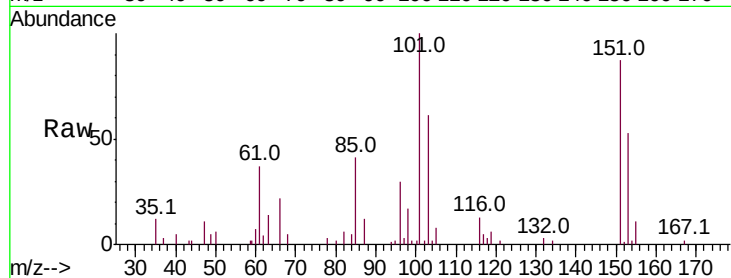
Tot Ion:101 Resp: 56534

Ion Ratio Lower Upper

101 100

85 44.8 34.4 51.6

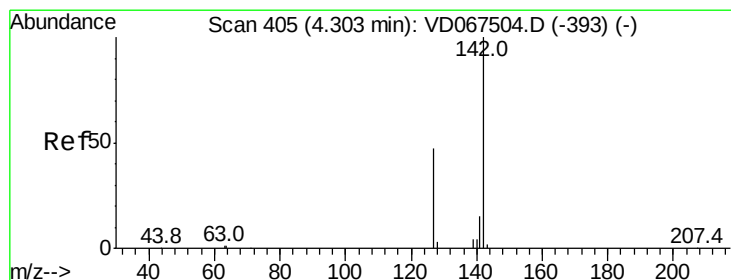
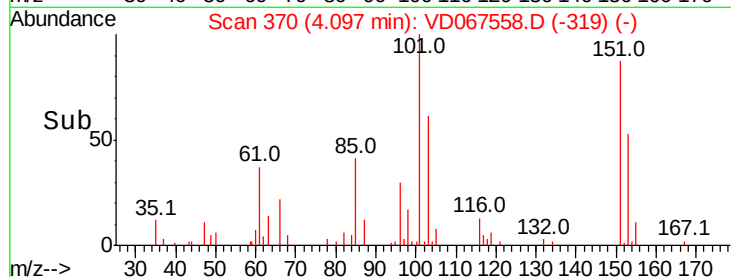
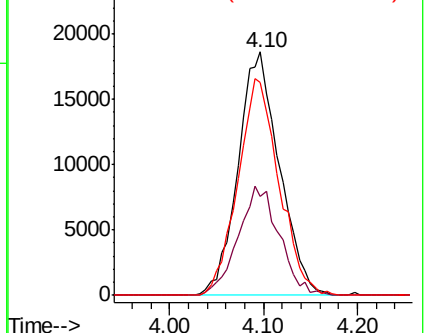
151 89.0 68.1 102.1



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: 19.195 ug/l

RT: 4.30 min Scan# 405

Delta R.T. -0.00 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

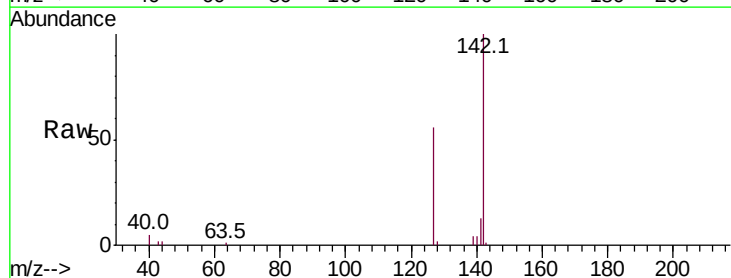
Tgt Ion:142 Resp: 55852

Ion Ratio Lower Upper

142 100

127 51.2 40.0 60.0

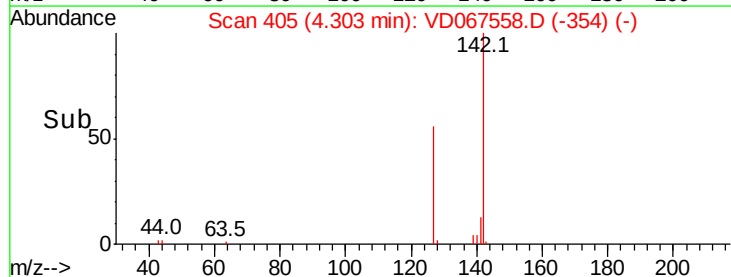
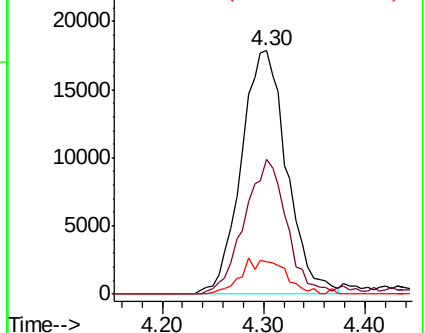
141 14.1 11.7 17.5

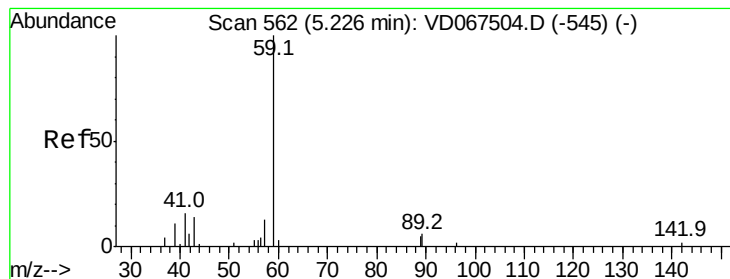


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 131.090 ug/l

RT: 5.22 min Scan# 561

Delta R.T. -0.01 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Instrument :

MSVOA_D

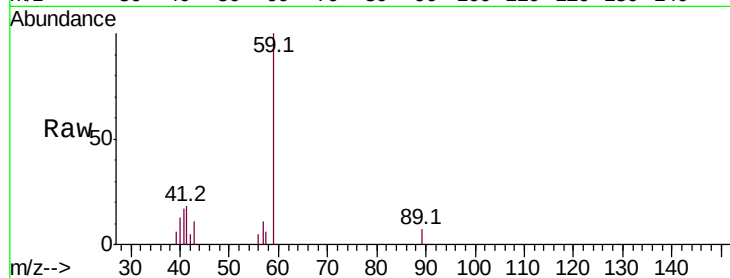
ClientSampled :

Tot Ion: 59 Resp: 15862

Ion Ratio Lower Upper

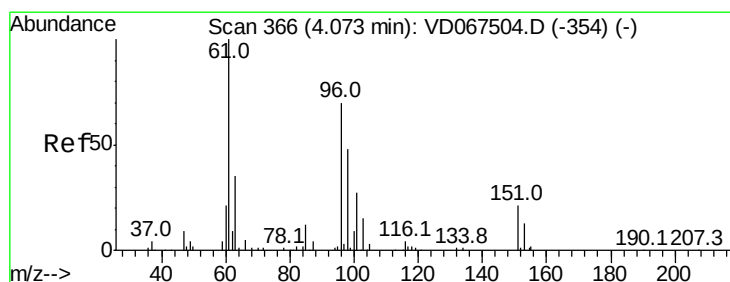
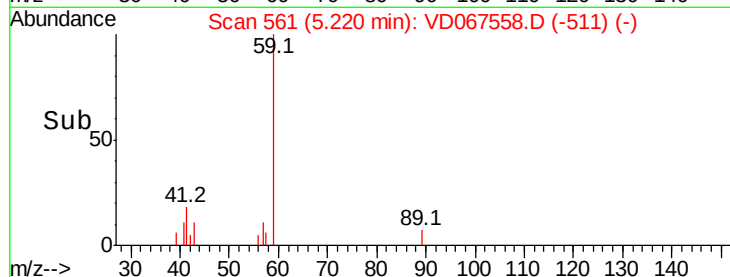
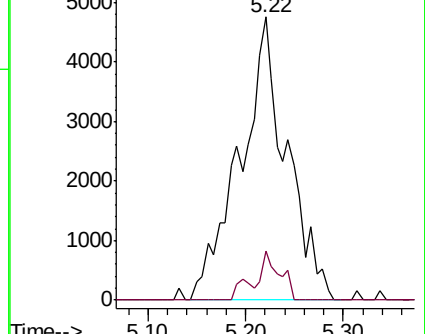
59 100

57 6.7 5.9 8.9



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 21.534 ug/l

RT: 4.07 min Scan# 365

Delta R.T. -0.01 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

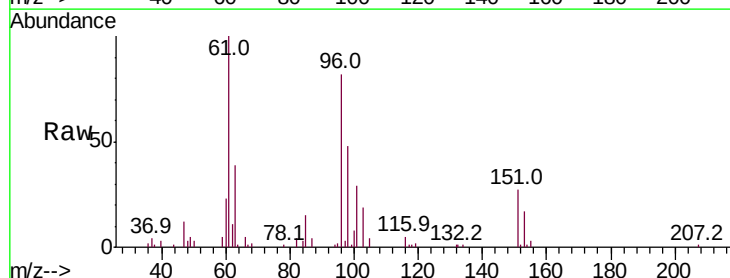
Tgt Ion: 96 Resp: 53774

Ion Ratio Lower Upper

96 100

61 121.5 114.5 171.7

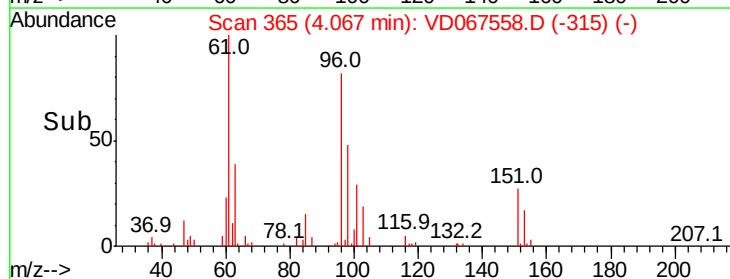
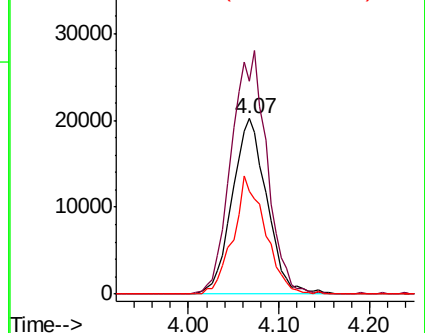
98 58.7 54.5 81.7

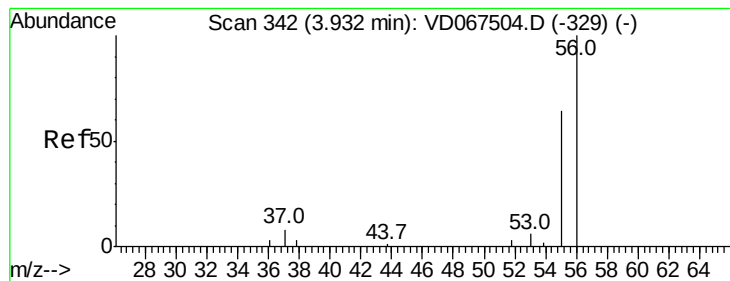


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 78.486 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.02 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Instrument :

MSVOA_D

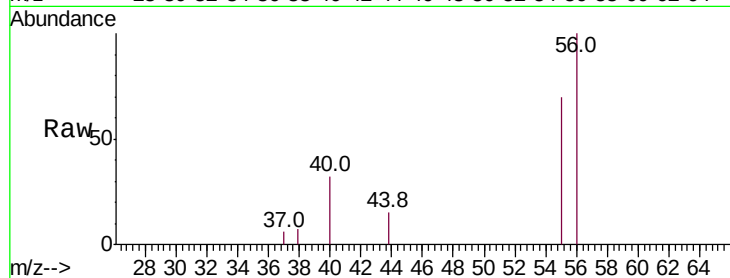
ClientSampleId :

Tot Ion: 56 Resp: 6566

Ion Ratio Lower Upper

56 100

55 64.3 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3000

2500

2000

1500

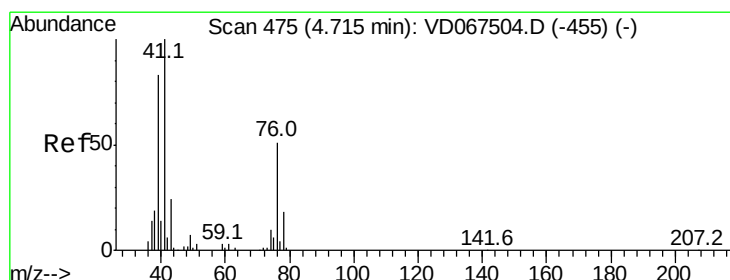
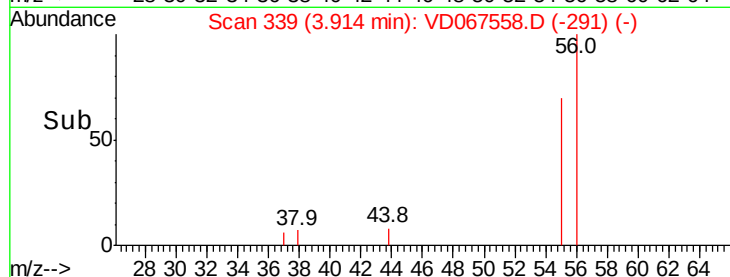
1000

500

0

Time--> 3.85 3.90 3.95 4.00

3.91



#14

Allyl chloride

Concen: 20.542 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

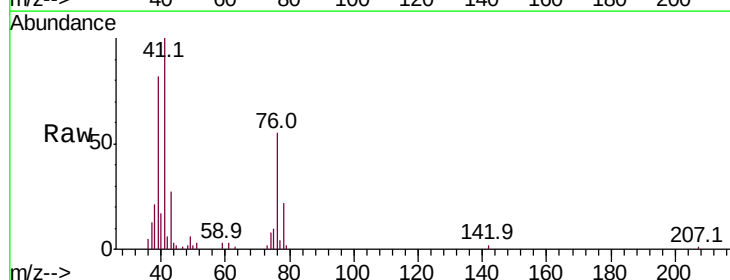
Tgt Ion: 41 Resp: 54901

Ion Ratio Lower Upper

41 100

39 84.6 67.4 101.0

76 53.6 42.2 63.2



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

20000

15000

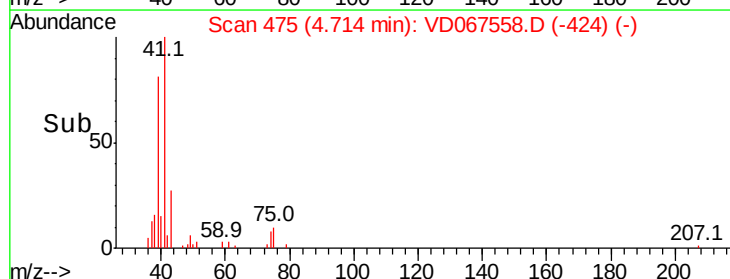
10000

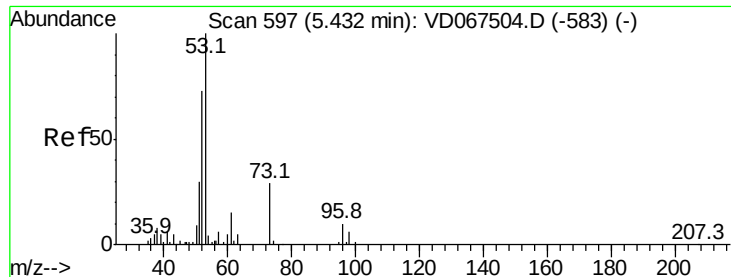
5000

0

Time--> 4.60 4.70 4.80

4.71





#15

Acrylonitrile

Concen: 107.917 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

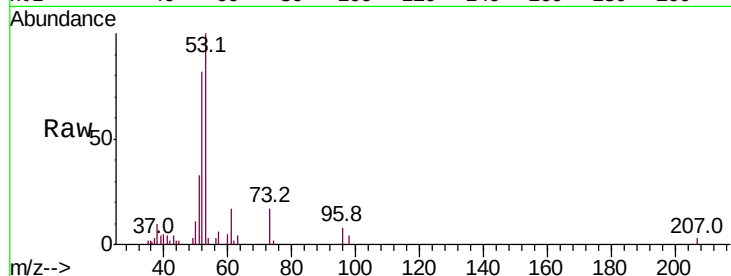
Tot Ion: 53 Resp: 43233

Ion Ratio Lower Upper

53 100

52 84.8 64.8 97.2

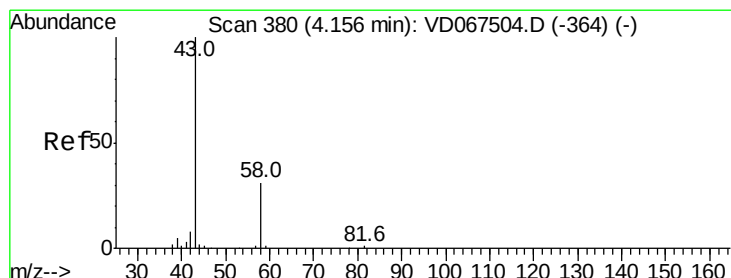
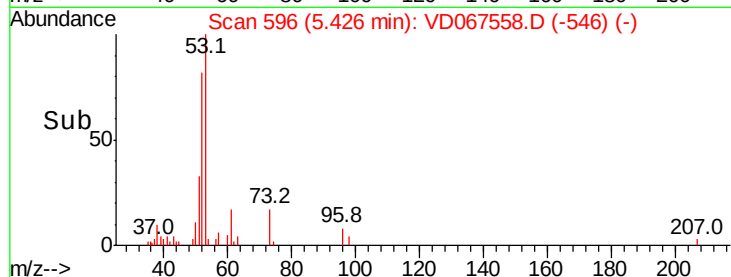
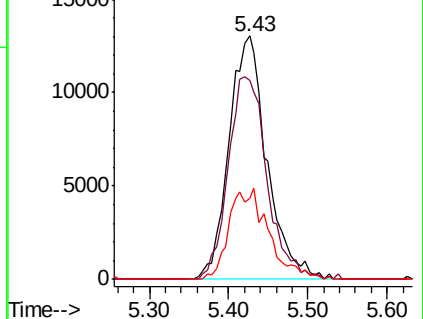
51 39.0 29.5 44.3



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: 100.489 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD067558.D

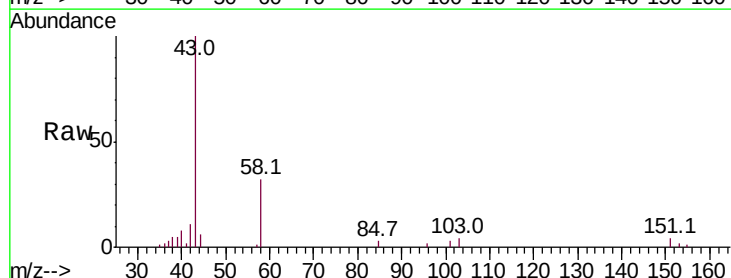
Acq: 09 Nov 2020 11:45

Tgt Ion: 43 Resp: 39340

Ion Ratio Lower Upper

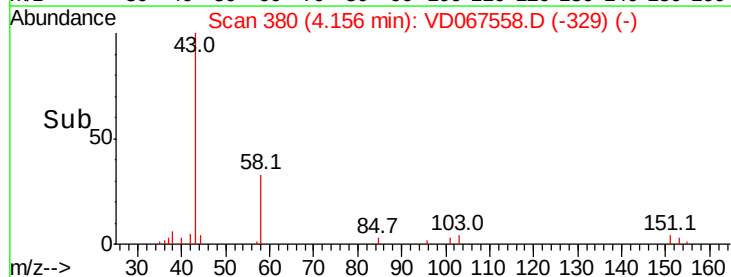
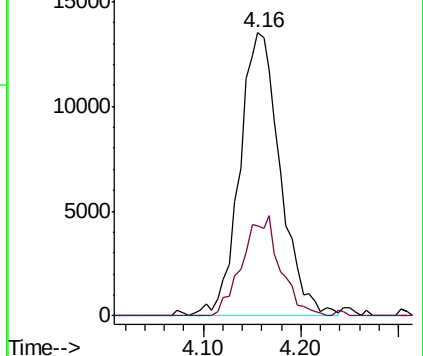
43 100

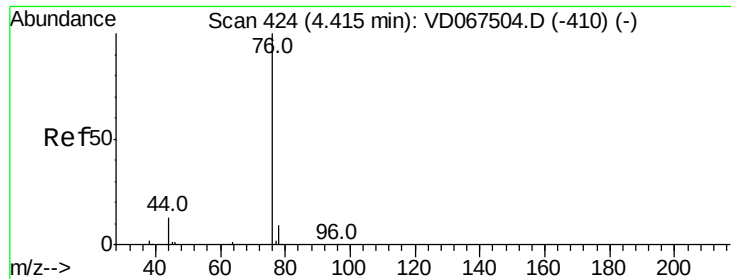
58 31.7 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

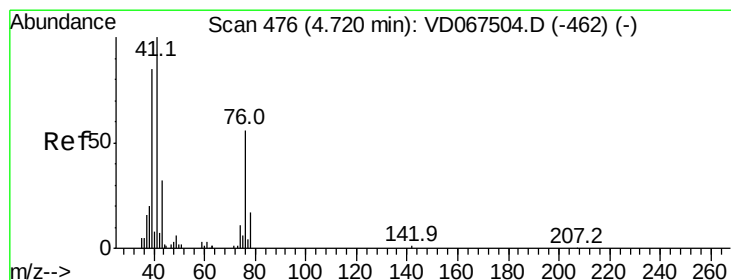
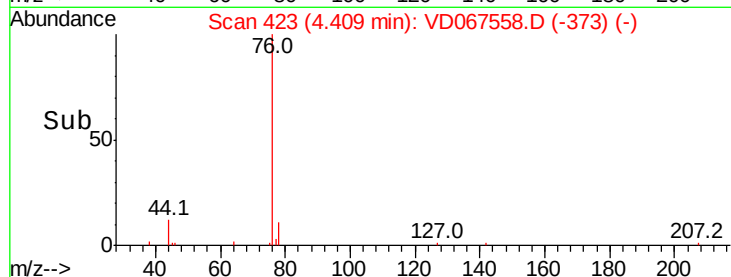
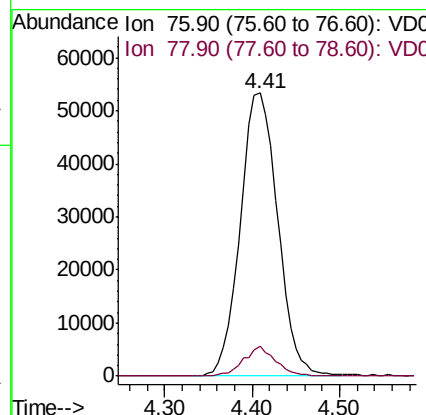
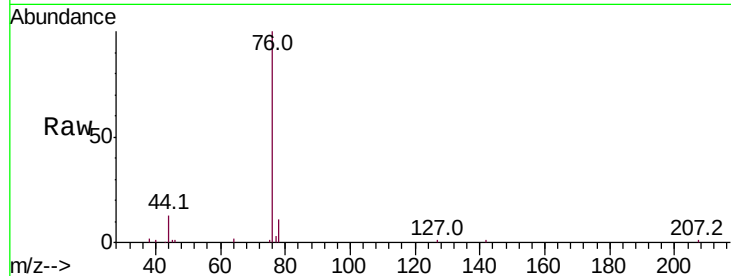




#17
Carbon Disulfide
Concen: 20.258 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.01 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

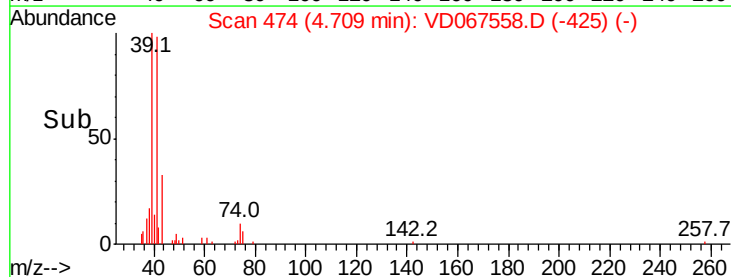
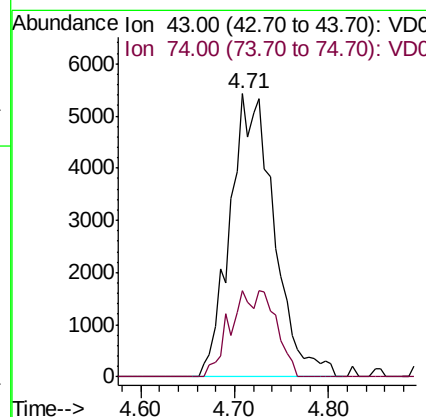
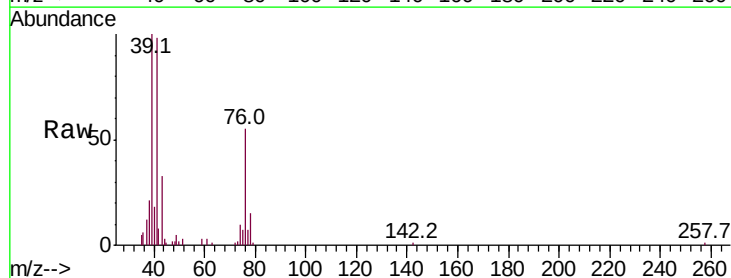
Instrument :
MSVOA_D
ClientSampleId :

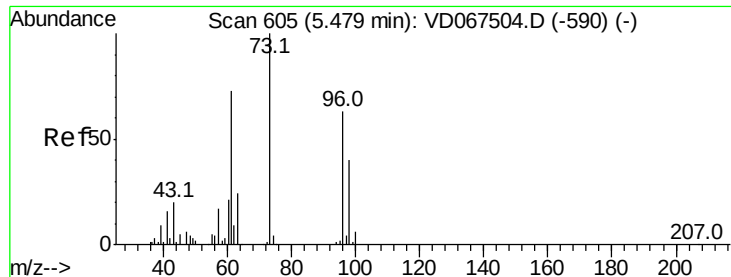
Tot Ion: 76 Resp: 155018
Ion Ratio Lower Upper
76 100
78 10.7 7.2 10.8



#18
Methyl Acetate
Concen: 21.874 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

Tgt Ion: 43 Resp: 17696
Ion Ratio Lower Upper
43 100
74 17.0 27.2 40.8#



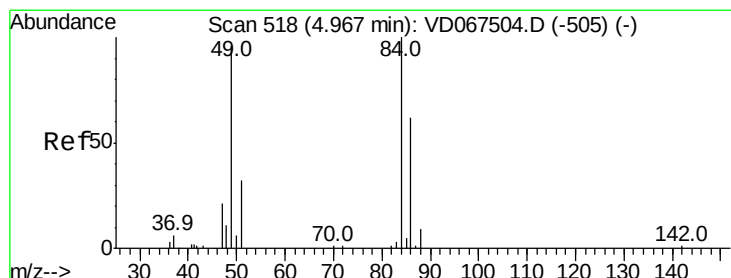
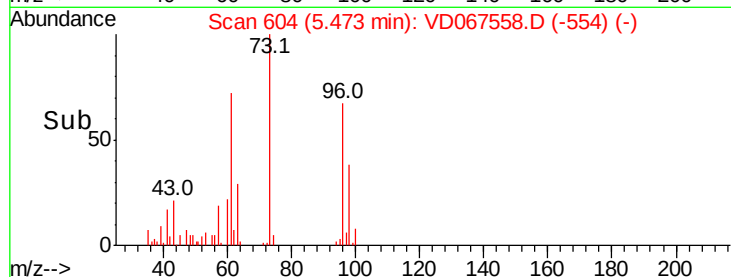
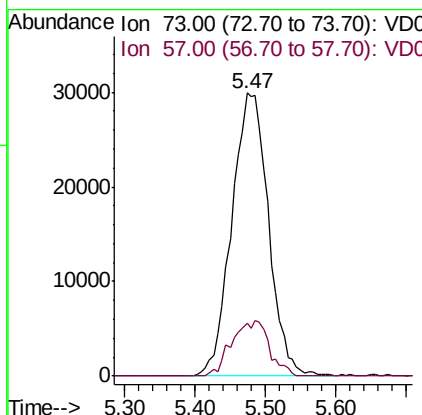
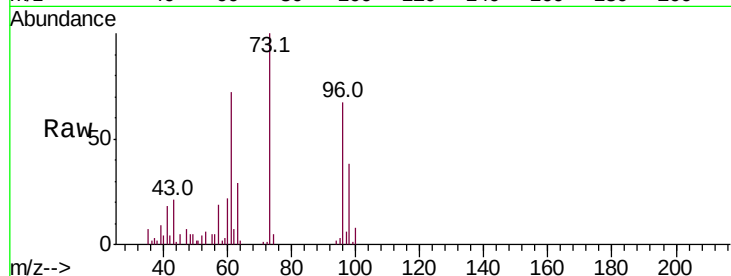


#19

Methyl tert-butyl Ether
 Concen: 22.010 ug/l
 RT: 5.47 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: VD067558.D
 Acq: 09 Nov 2020 11:45

Instrument :
 MSVOA_D
 ClientSampled :

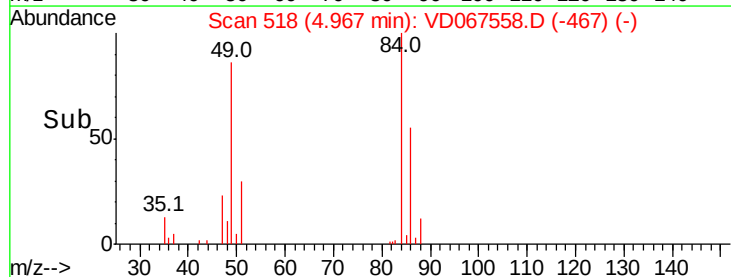
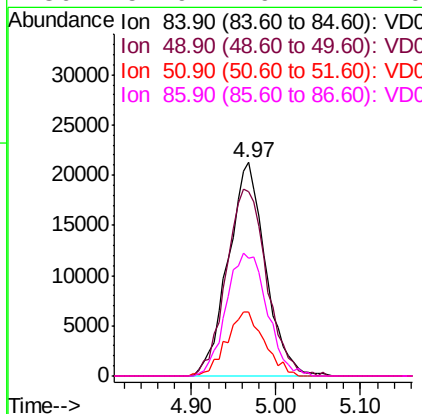
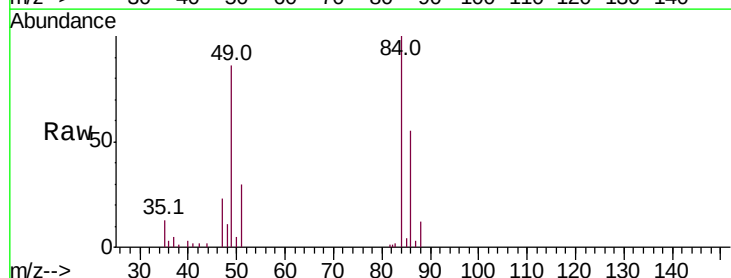
Tot Ion: 73 Resp: 108415
 Ion Ratio Lower Upper
 73 100
 57 18.6 13.4 20.0

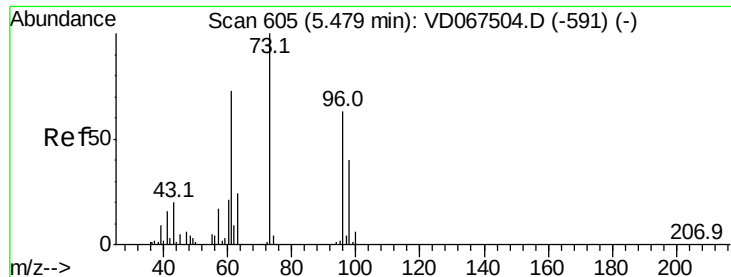


#20

Methylene Chloride
 Concen: 23.509 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. -0.00 min
 Lab File: VD067558.D
 Acq: 09 Nov 2020 11:45

Tgt Ion: 84 Resp: 65012
 Ion Ratio Lower Upper
 84 100
 49 86.2 77.0 115.4
 51 29.9 25.4 38.2
 86 54.9 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 20.634 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

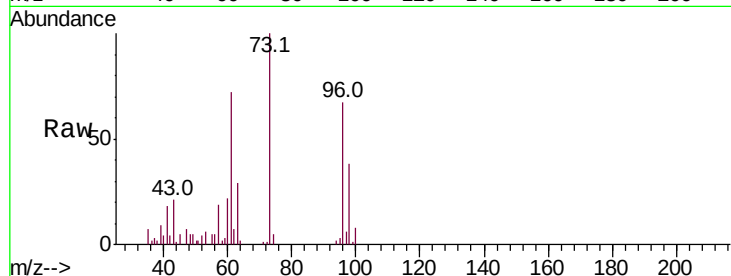
Tot Ion: 96 Resp: 60016

Ion Ratio Lower Upper

96 100

61 106.8 93.0 139.6

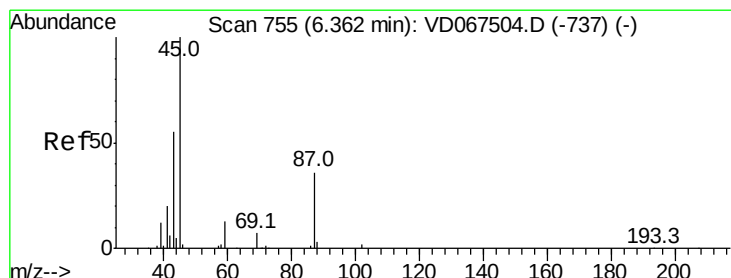
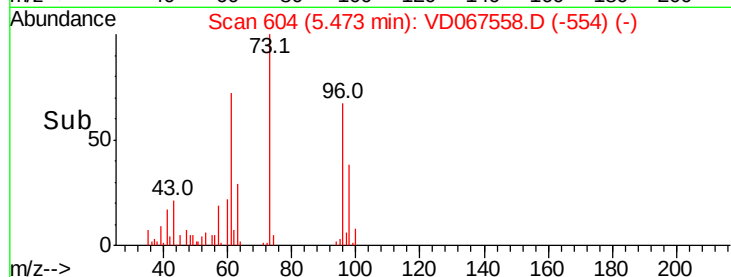
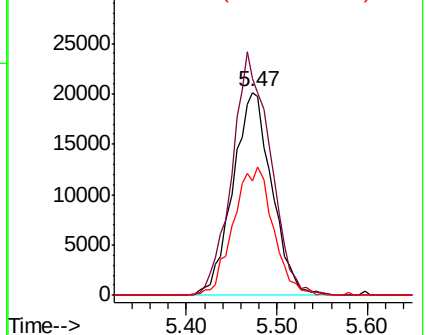
98 56.3 50.9 76.3



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 21.615 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.00 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Tgt Ion: 45 Resp: 112577

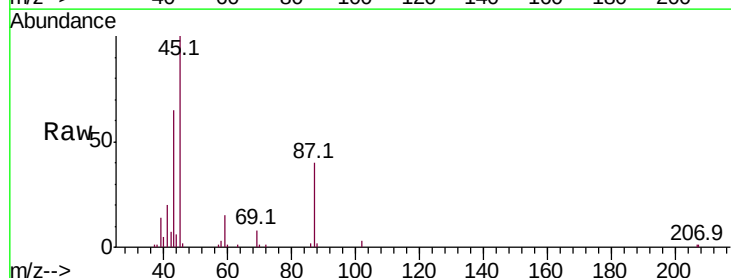
Ion Ratio Lower Upper

45 100

43 62.8 46.2 69.4

87 40.0 29.4 44.2

59 14.8 10.8 16.2

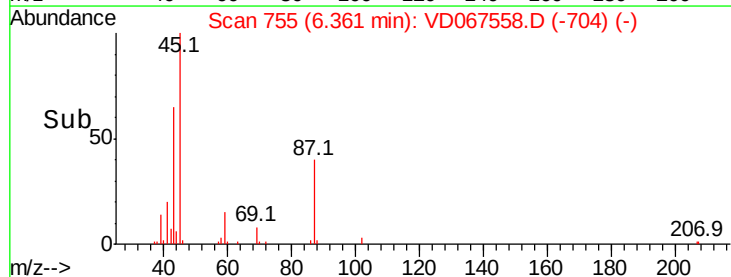
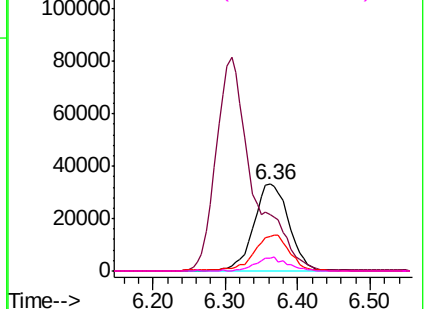


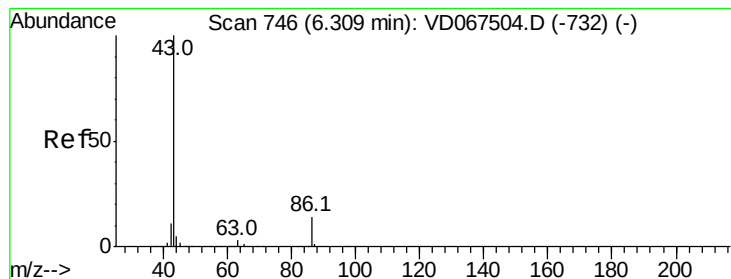
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 106.499 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Instrument :

MSVOA_D

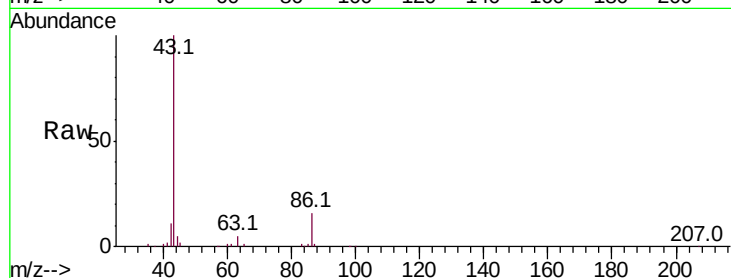
ClientSampleId :

Tot Ion: 43 Resp: 290343

Ion Ratio Lower Upper

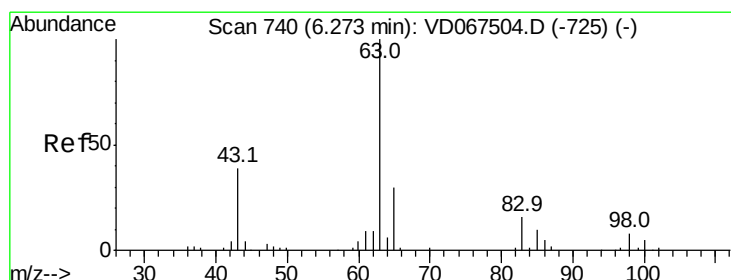
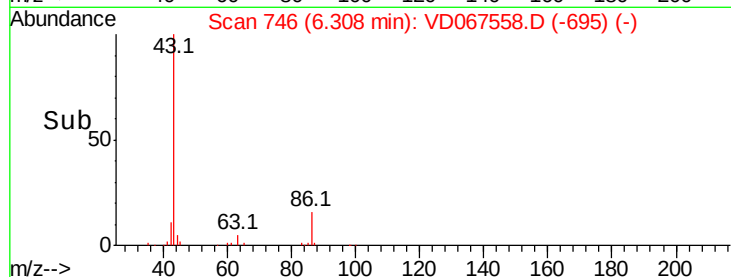
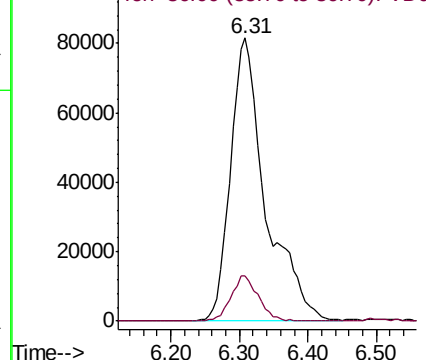
43 100

86 15.9 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.362 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

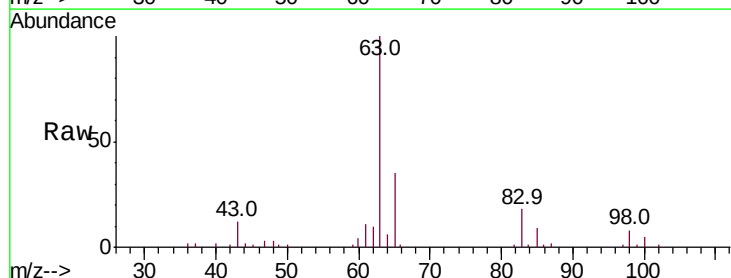
Tgt Ion: 63 Resp: 91018

Ion Ratio Lower Upper

63 100

98 8.2 3.9 11.5

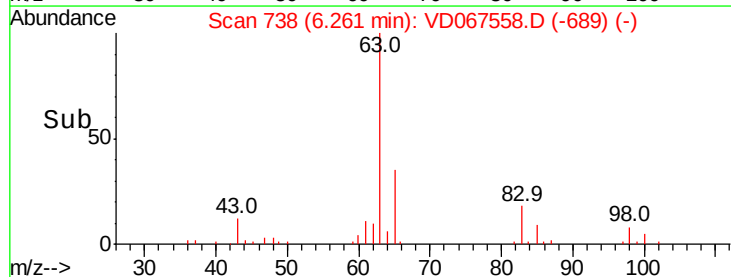
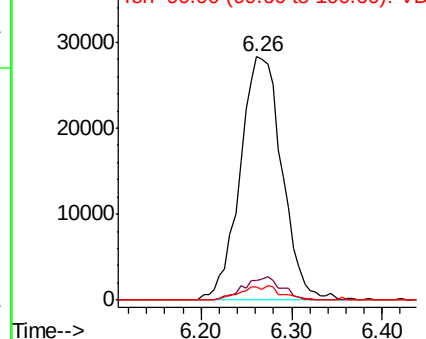
100 5.5 2.6 7.8

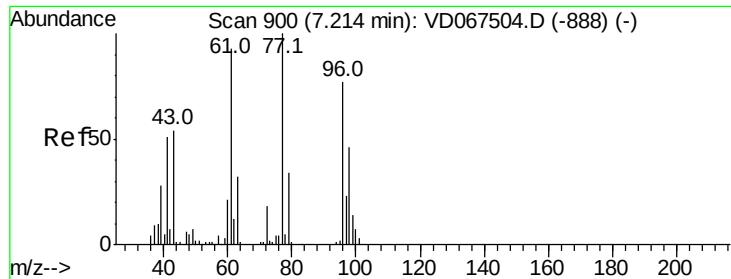


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 111.304 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Instrument :

MSVOA_D

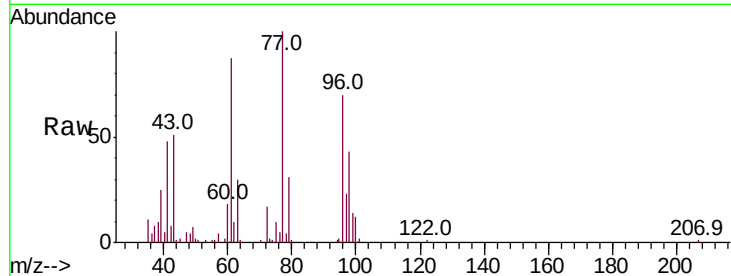
ClientSampled :

Tot Ion: 43 Resp: 46560

Ion Ratio Lower Upper

43 100

72 34.0 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

20000

15000

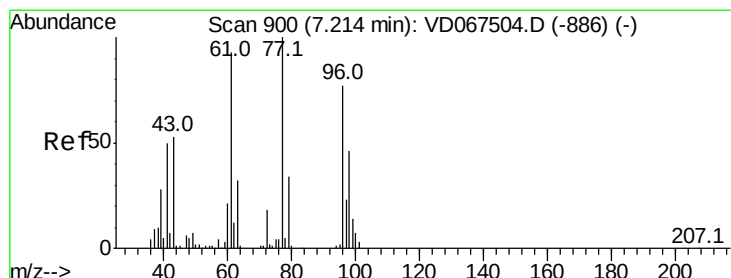
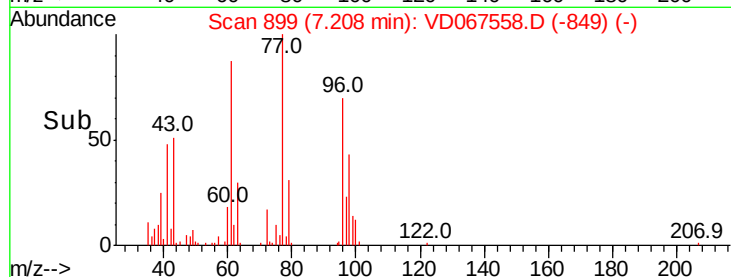
10000

5000

0

7.15 7.20 7.25

Time-->



#26

2,2-Dichloropropane

Concen: 21.057 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067558.D

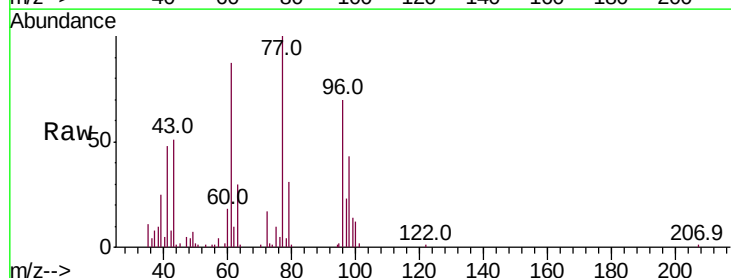
Acq: 09 Nov 2020 11:45

Tgt Ion: 77 Resp: 94691

Ion Ratio Lower Upper

77 100

97 22.8 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

30000

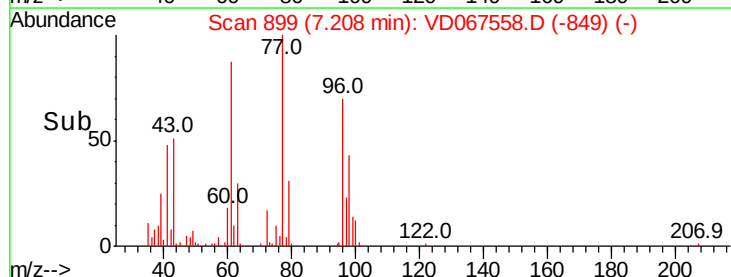
20000

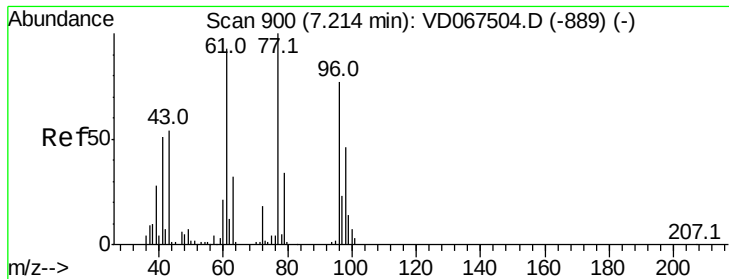
10000

0

7.10 7.20 7.30

Time-->



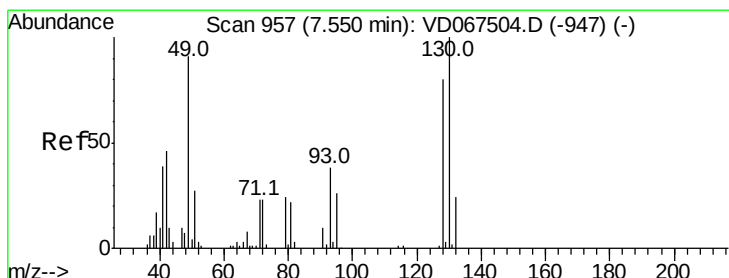
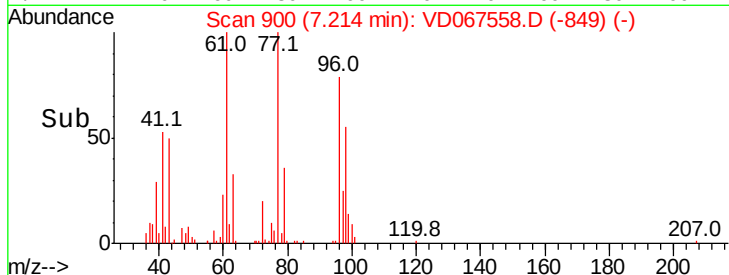
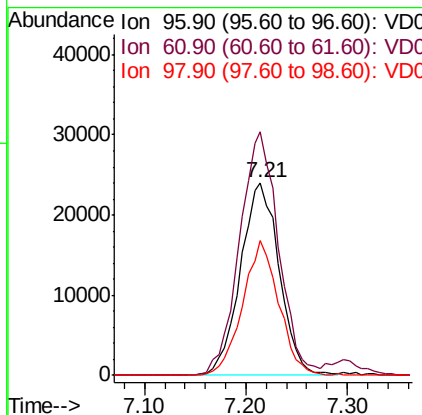
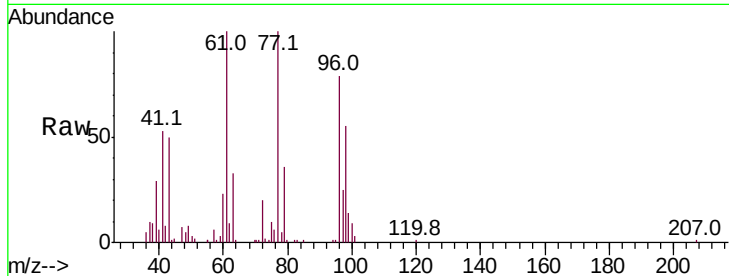


#27

cis-1,2-Dichloroethene
Concen: 21.200 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

Instrument :
MSVOA_D
ClientSampled :

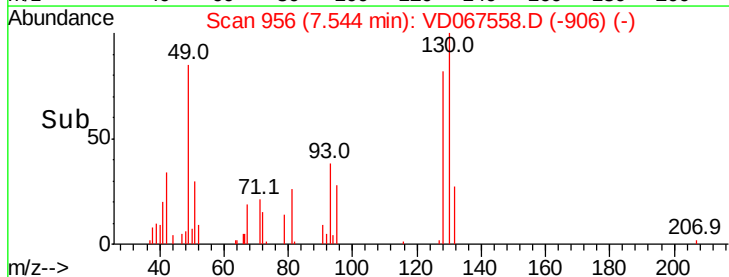
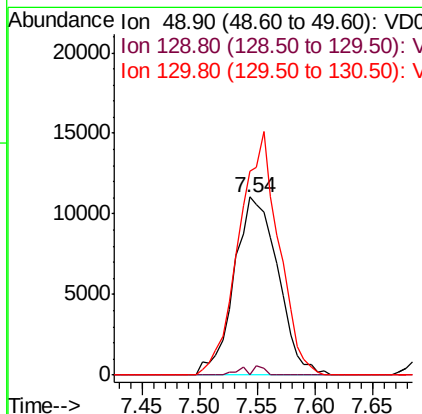
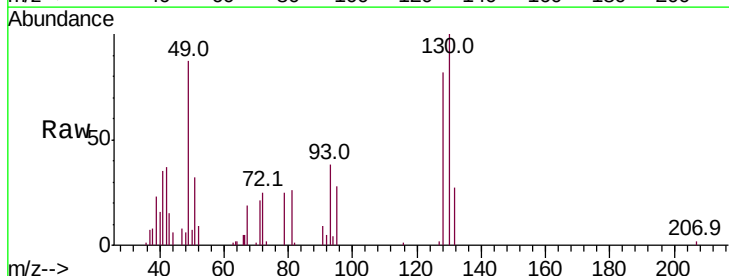
Tot Ion: 96 Resp: 64001
Ion Ratio Lower Upper
96 100
61 126.8 0.0 251.6
98 64.8 0.0 128.0

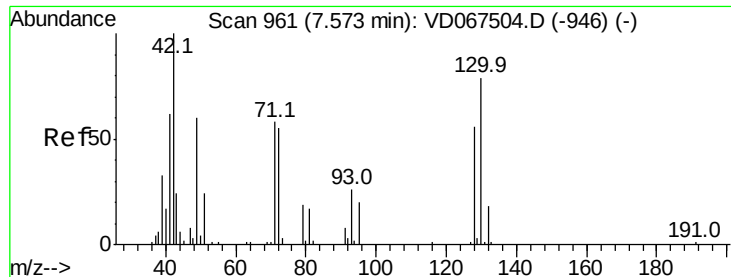


#28

Bromochloromethane
Concen: 19.305 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

Tgt Ion: 49 Resp: 29259
Ion Ratio Lower Upper
49 100
129 1.3 0.0 6.4
130 123.5 94.6 142.0

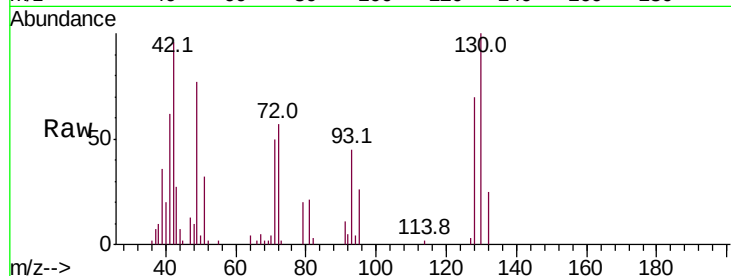




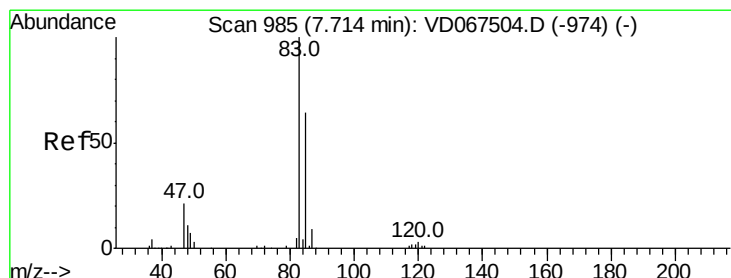
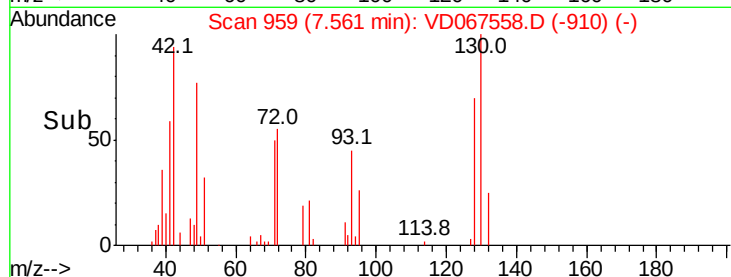
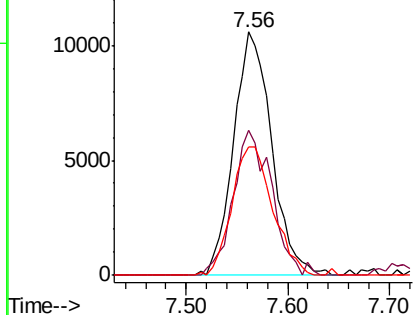
#29
Tetrahydrofuran
Concen: 110.559 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 27703
Ion Ratio Lower Upper
42 100
72 59.0 46.3 69.5
71 56.6 44.0 66.0

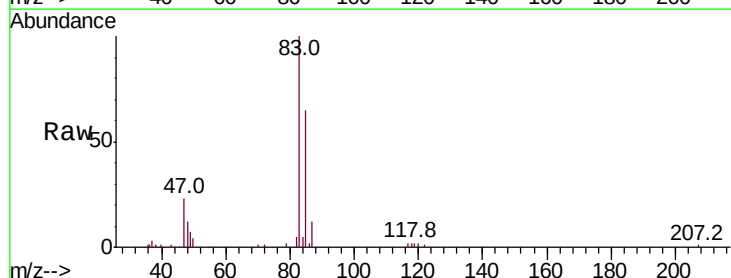


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

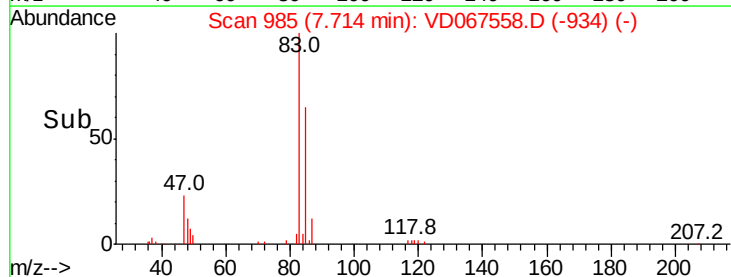
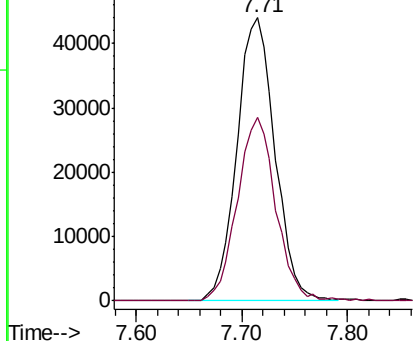


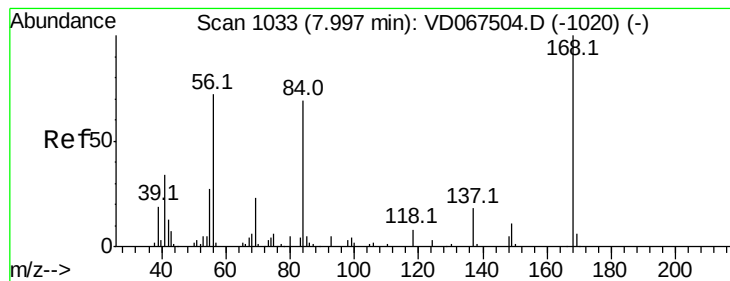
#30
Chloroform
Concen: 21.637 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

Tgt Ion: 83 Resp: 109985
Ion Ratio Lower Upper
83 100
85 64.9 51.5 77.3



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





#31

Cyclohexane

Concen: 19.611 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. -0.01 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampled :

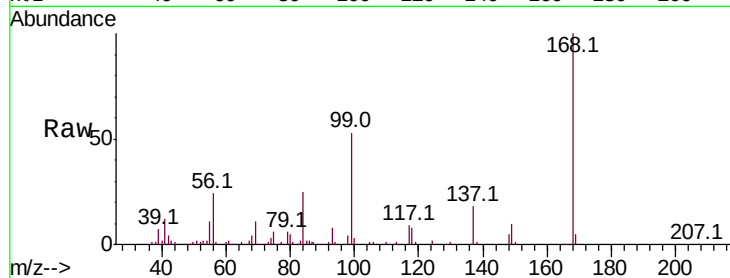
Tot Ion: 56 Resp: 74410

Ion Ratio Lower Upper

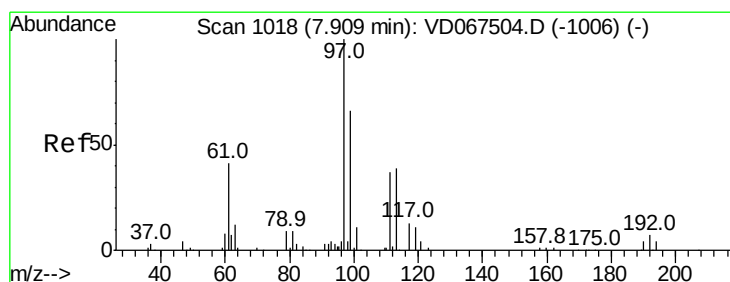
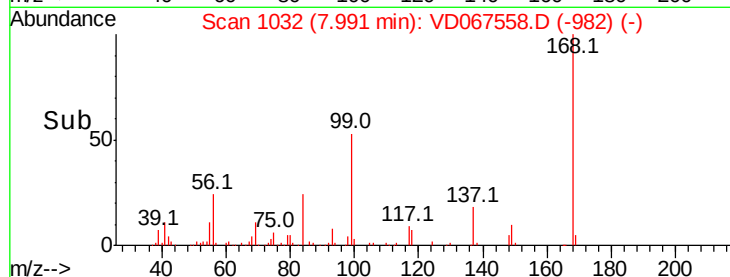
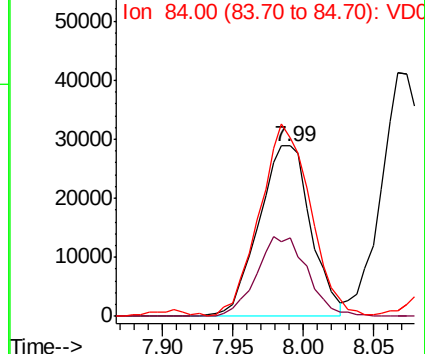
56 100

69 46.2 25.9 38.9#

84 104.0 76.2 114.4



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



#32

1,1,1-Trichloroethane

Concen: 21.594 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

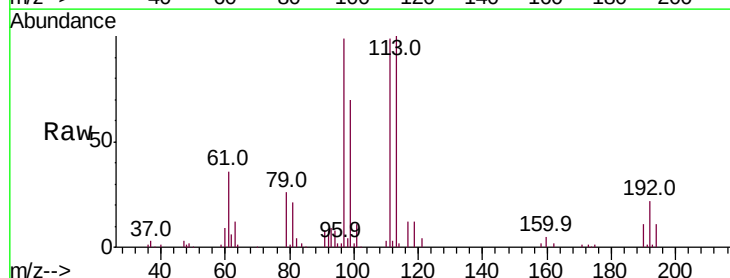
Tgt Ion: 97 Resp: 113253

Ion Ratio Lower Upper

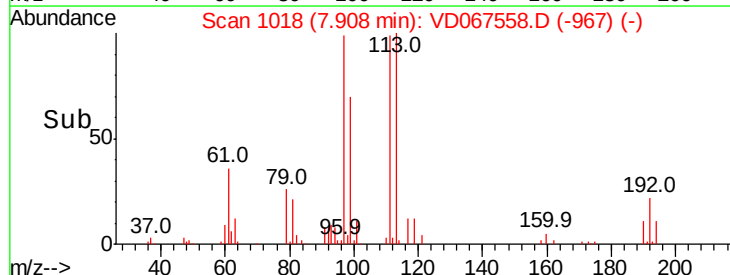
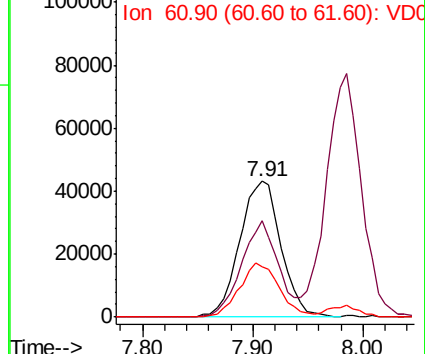
97 100

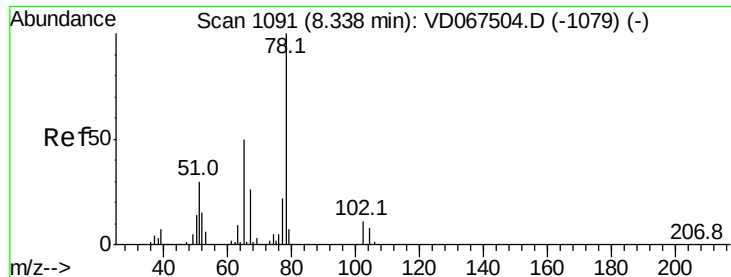
99 62.6 51.8 77.6

61 38.4 30.5 45.7



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





#33

1,2-Dichloroethane-d4

Concen: 49.294 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

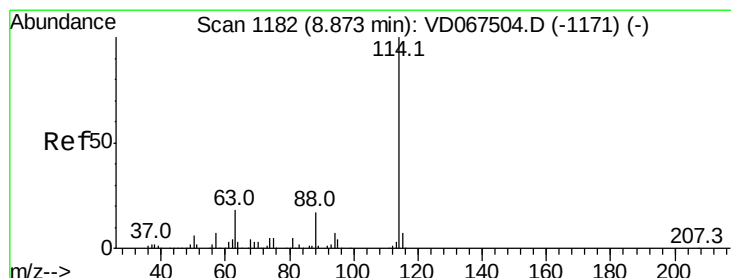
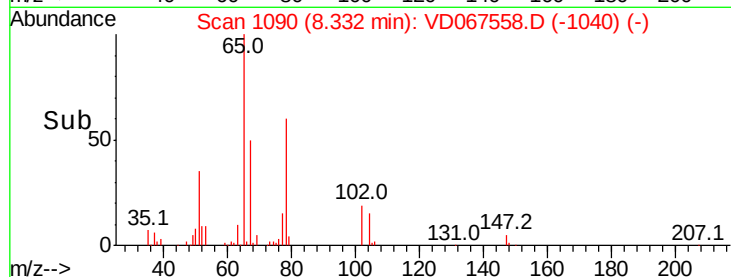
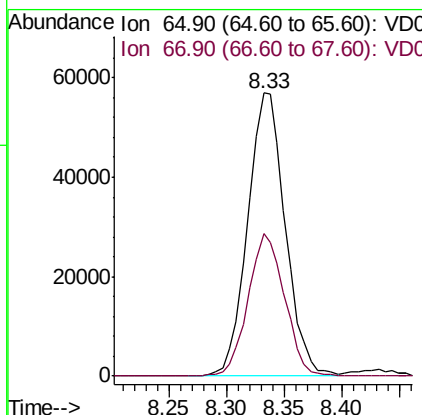
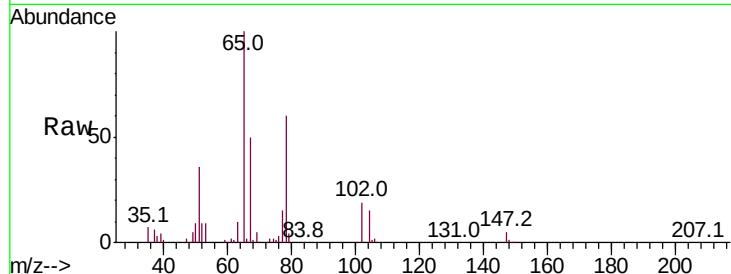
Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 65 Resp: 128959

Ion	Ratio	Lower	Upper
65	100		
67	48.9	0.0	99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

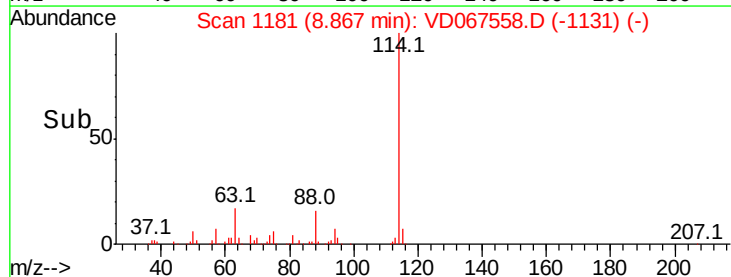
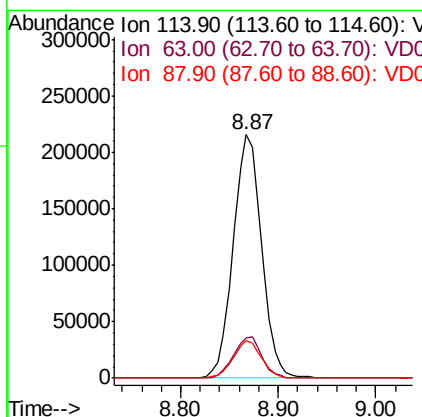
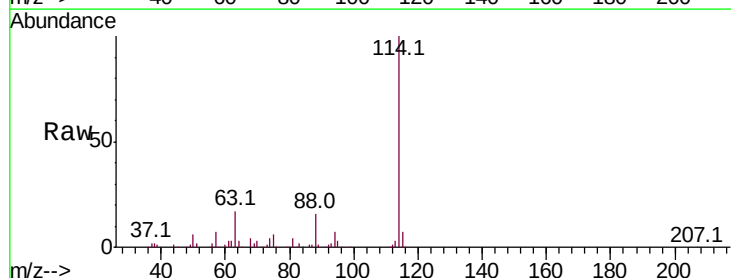
Delta R.T. -0.01 min

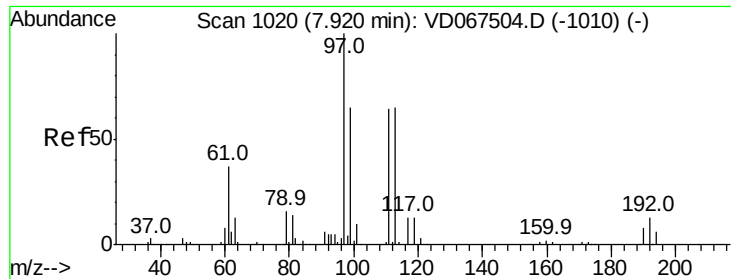
Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Tgt Ion: 114 Resp: 435705

Ion	Ratio	Lower	Upper
114	100		
63	16.6	0.0	35.0
88	15.6	0.0	33.0





#35

Dibromofluoromethane

Concen: 47.645 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Instrument :
MSVOA_D
ClientSampleId :

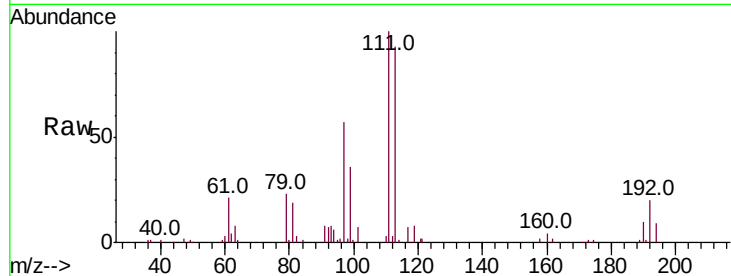
Tot Ion:113 Resp: 125073

Ion Ratio Lower Upper

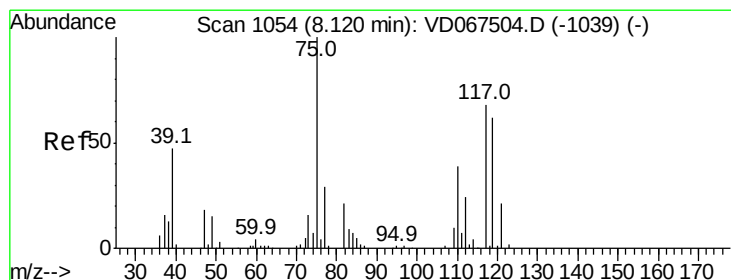
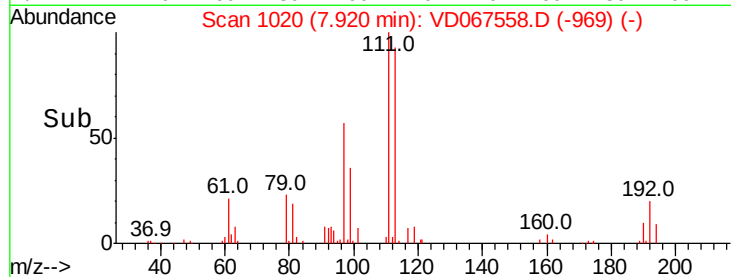
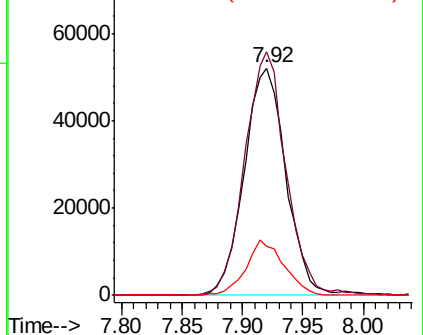
113 100

111 106.1 80.0 120.0

192 22.3 16.3 24.5



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: 21.646 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

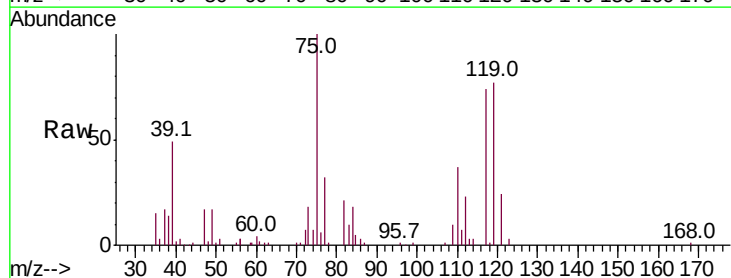
Tgt Ion: 75 Resp: 80730

Ion Ratio Lower Upper

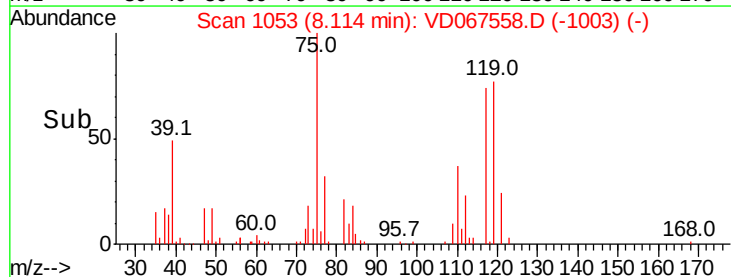
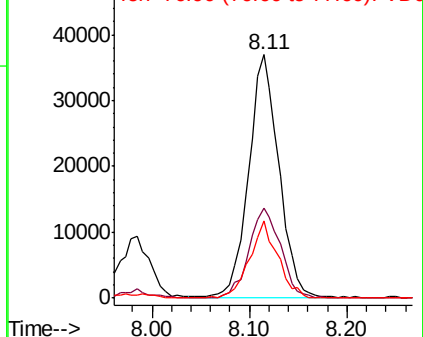
75 100

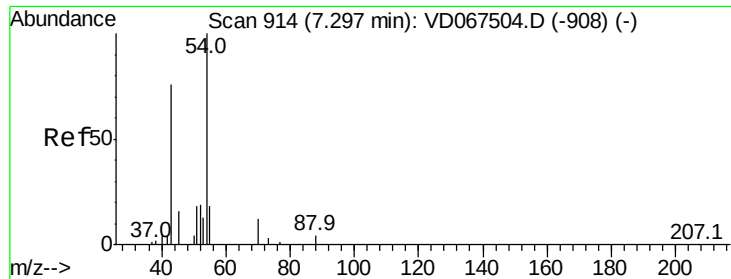
110 38.3 19.9 59.7

77 29.4 24.8 37.2



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: 23.694 ug/l

RT: 7.29 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

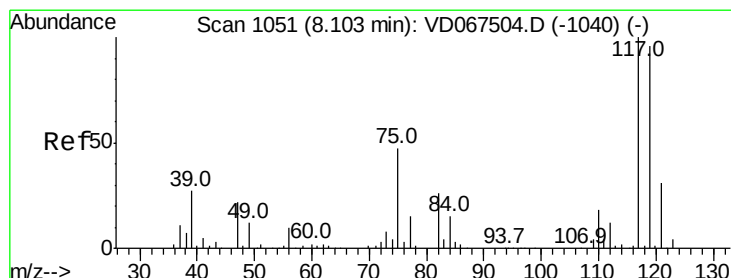
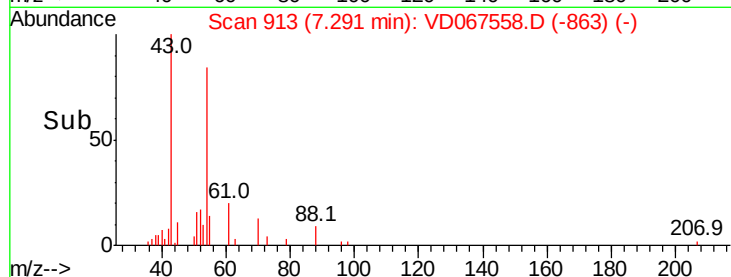
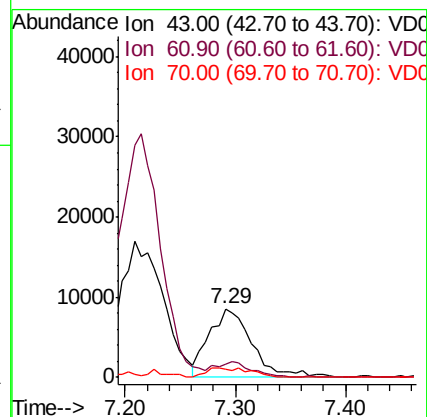
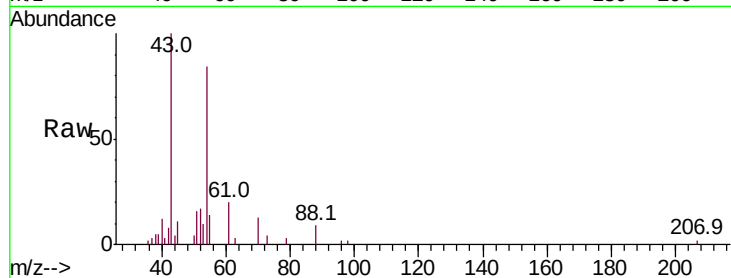
Tot Ion: 43 Resp: 22942

Ion Ratio Lower Upper

43 100

61 19.2 12.8 19.2

70 14.0 11.7 17.5



#38

Carbon Tetrachloride

Concen: 22.593 ug/l

RT: 8.10 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

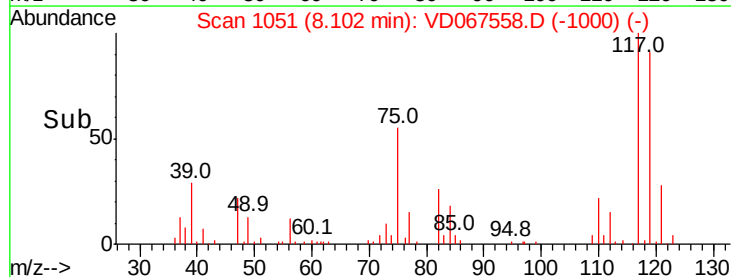
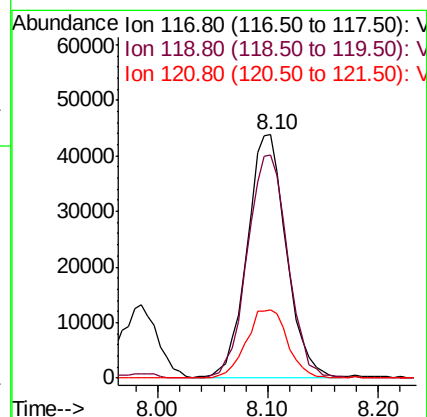
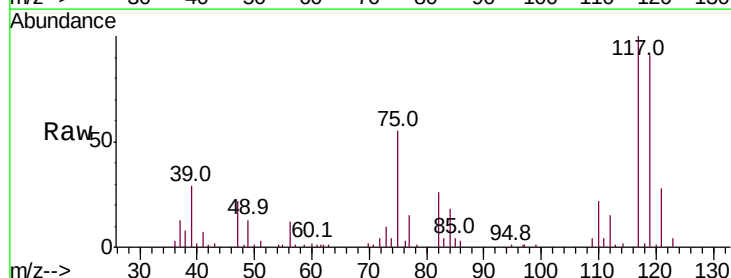
Tgt Ion: 117 Resp: 109478

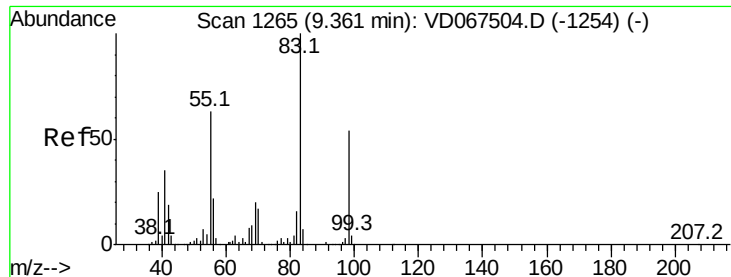
Ion Ratio Lower Upper

117 100

119 91.5 76.9 115.3

121 28.3 24.5 36.7

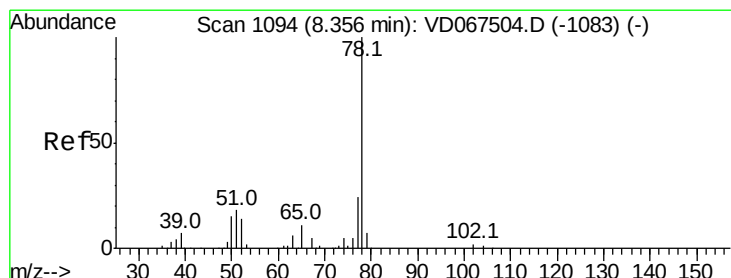
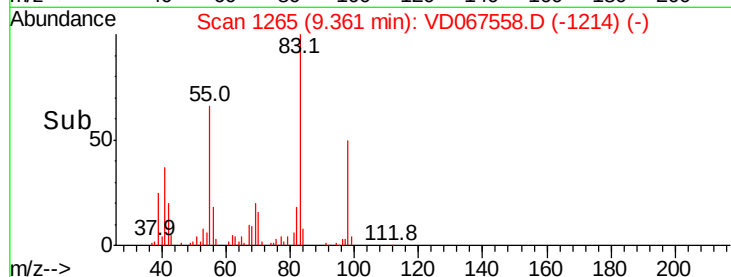
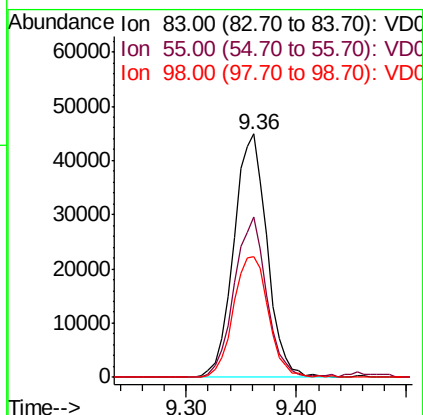
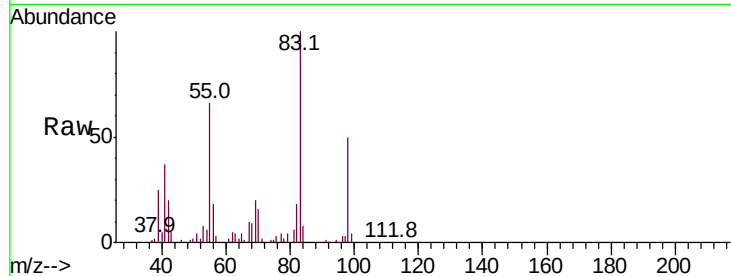




#39
Methylvlcyclohexane
Concen: 21.608 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

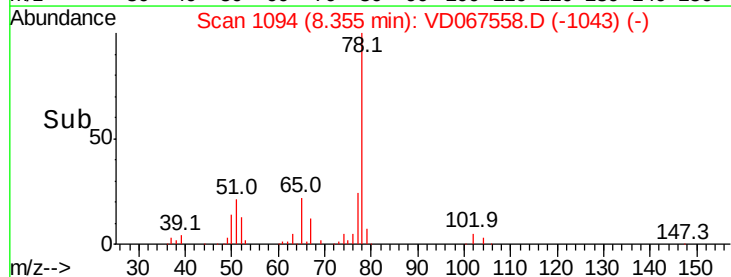
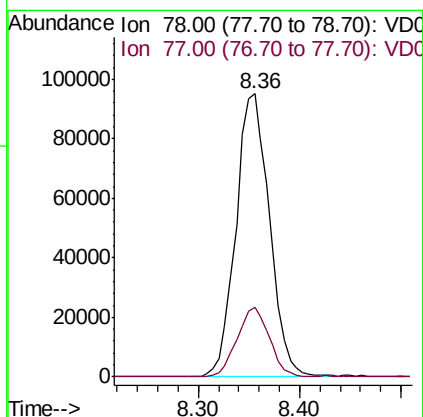
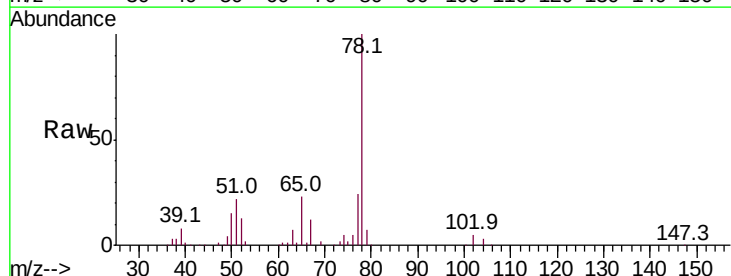
Instrument :
MSVOA_D
ClientSampleId :

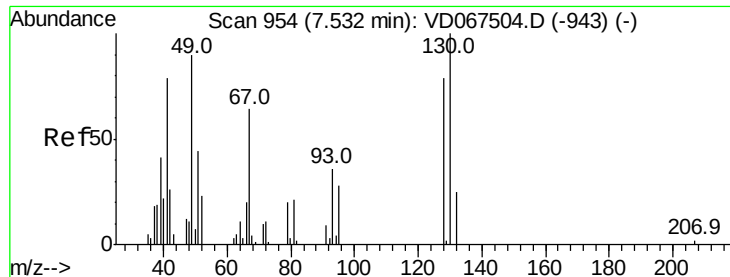
Tot Ion	83	Resp	94849
Ion Ratio	Lower	Upper	
83	100		
55	66.0	50.5	75.7
98	49.5	43.4	65.0



#40
Benzene
Concen: 21.668 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

Tgt Ion	78	Resp	218900
Ion Ratio	Lower	Upper	
78	100		
77	24.5	19.1	28.7





#41

Methacrylonitrile

Concen: 17.029 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 9856

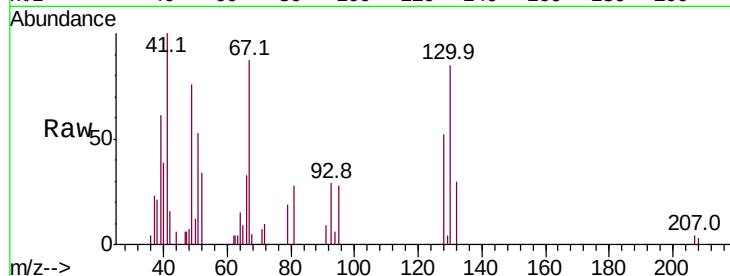
Ion Ratio Lower Upper

41 100

39 84.9 51.3 76.9#

67 114.1 78.9 118.3

52 50.3 31.4 47.2#

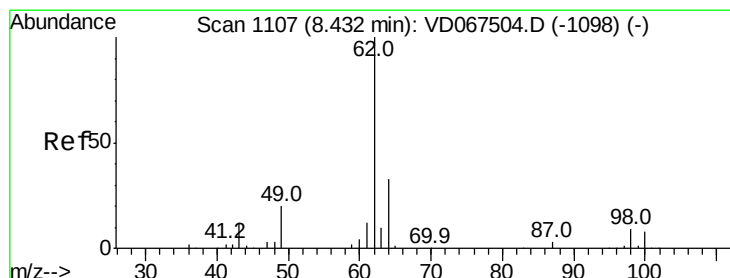
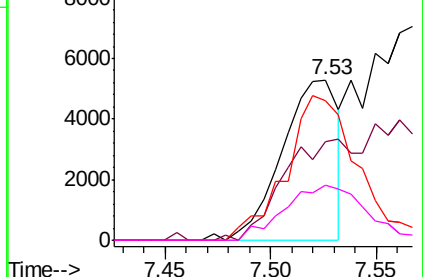
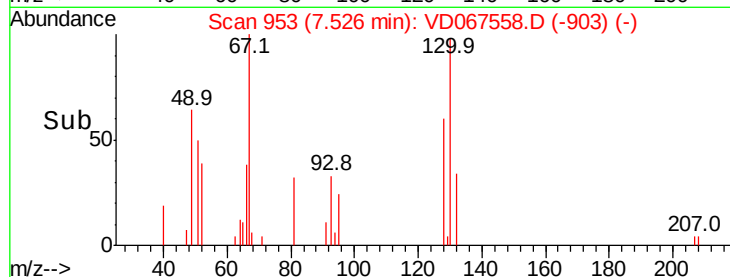


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 22.748 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD067558.D

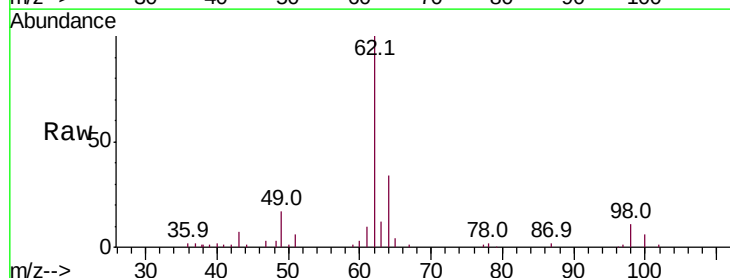
Acq: 09 Nov 2020 11:45

Tgt Ion: 62 Resp: 71005

Ion Ratio Lower Upper

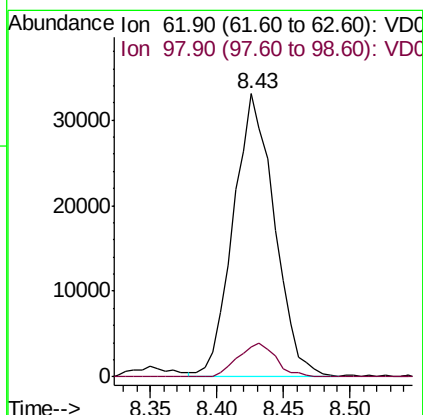
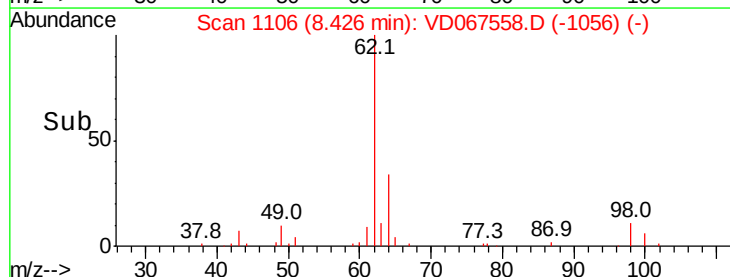
62 100

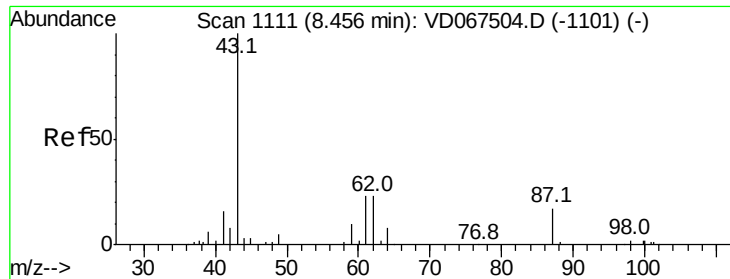
98 10.8 0.0 19.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 21.627 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

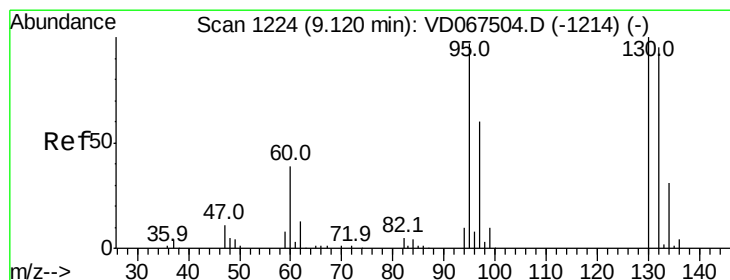
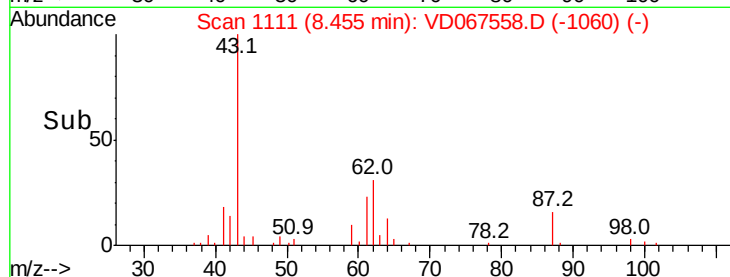
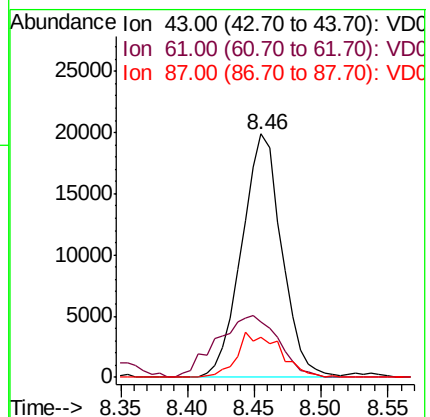
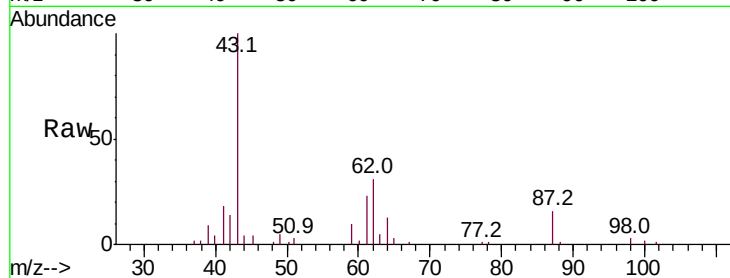
Tot Ion: 43 Resp: 41414

Ion Ratio Lower Upper

43 100

61 38.8 30.5 45.7

87 19.7 14.7 22.1



#44

Trichloroethene

Concen: 22.124 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD067558.D

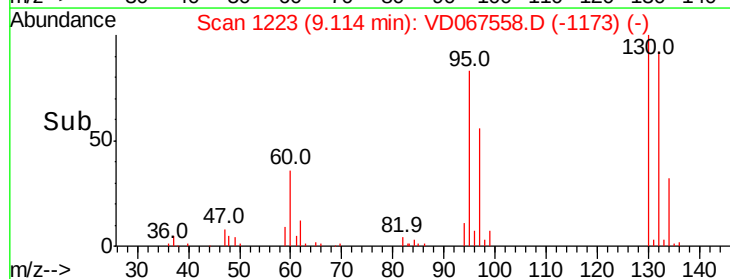
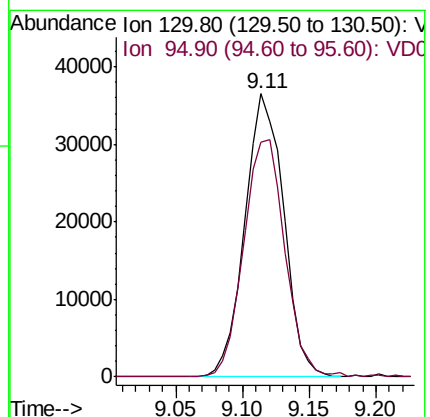
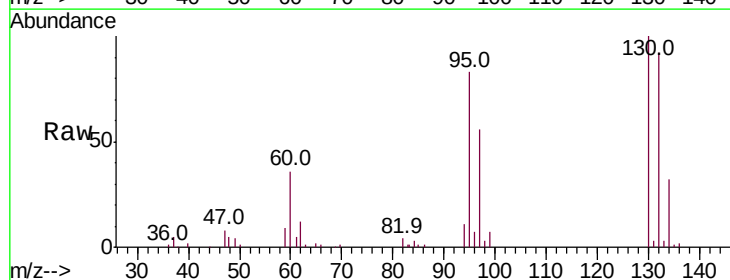
Acq: 09 Nov 2020 11:45

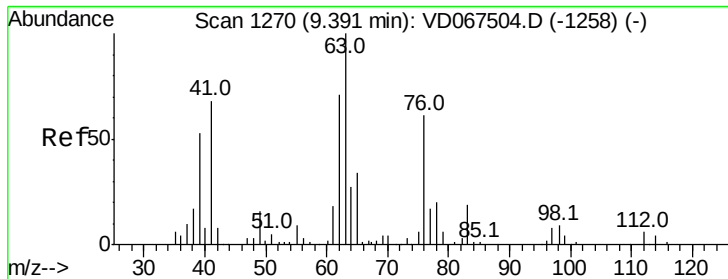
Tgt Ion:130 Resp: 73490

Ion Ratio Lower Upper

130 100

95 83.0 0.0 194.4





#45

1,2-Dichloropropane

Concen: 21.205 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

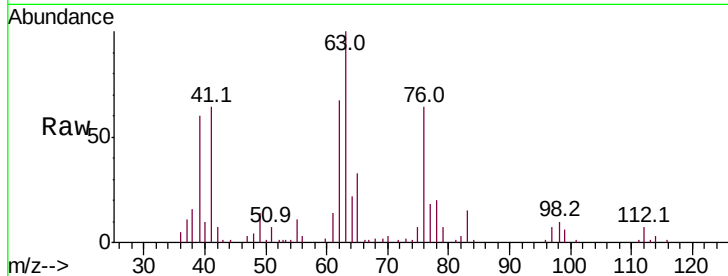
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 63 Resp: 46317

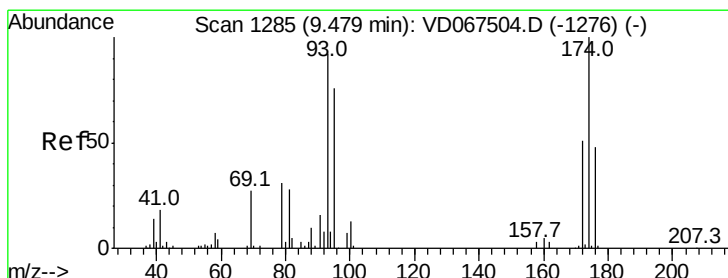
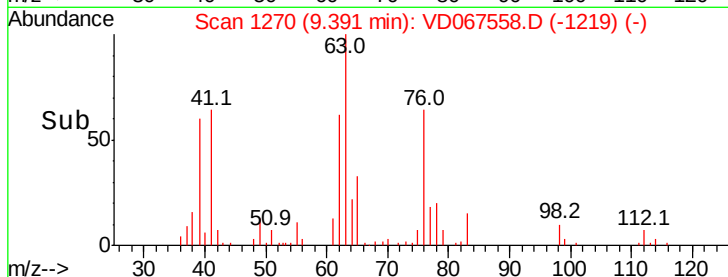
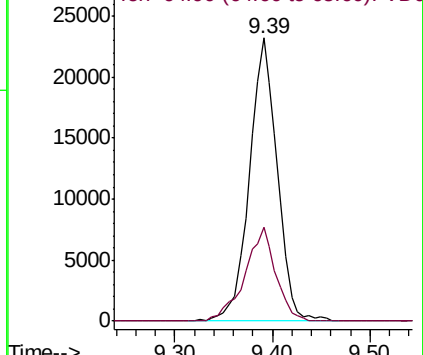
Ion Ratio Lower Upper

63 100

65 33.1 26.9 40.3



Abundance Ion 62.90 (62.60 to 63.60): VDC
Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 21.504 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

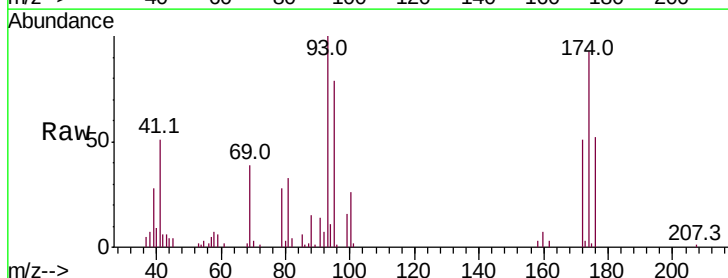
Tgt Ion: 93 Resp: 29864

Ion Ratio Lower Upper

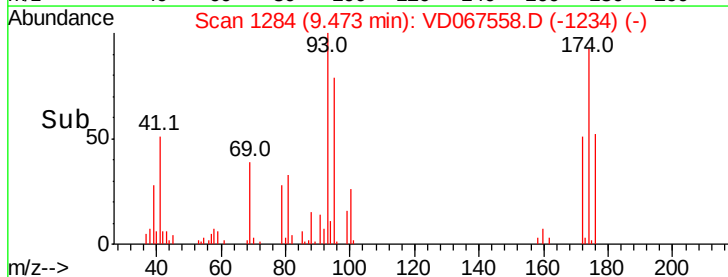
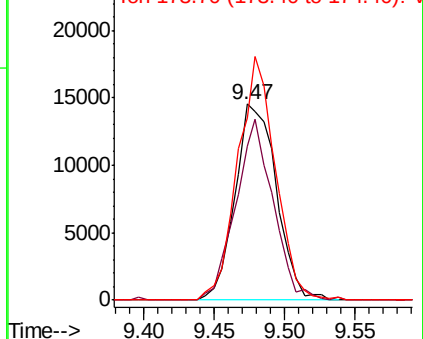
93 100

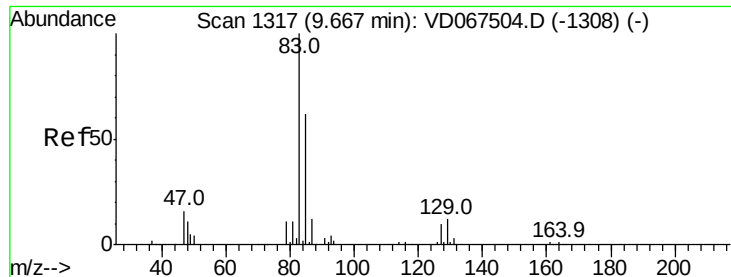
95 83.0 66.4 99.6

174 113.2 88.2 132.4



Abundance Ion 92.80 (92.50 to 93.50): VDC
Ion 94.80 (94.50 to 95.50): VDC
Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.519 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampled :

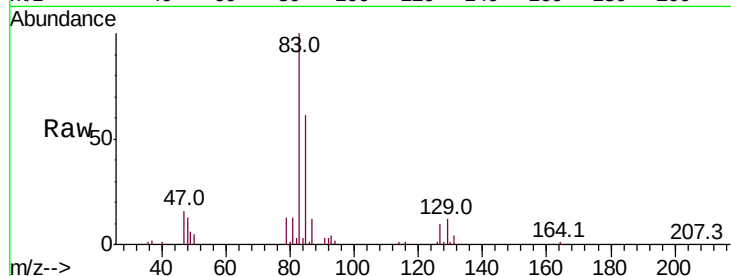
Tot Ion: 83 Resp: 81227

Ion Ratio Lower Upper

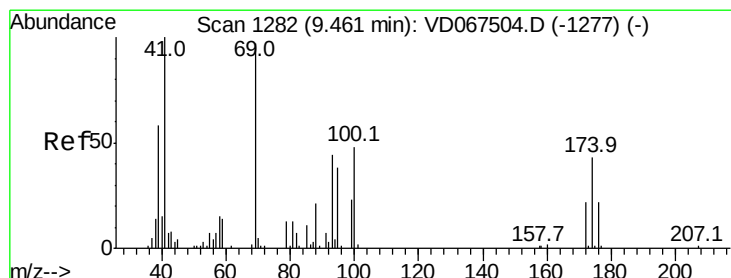
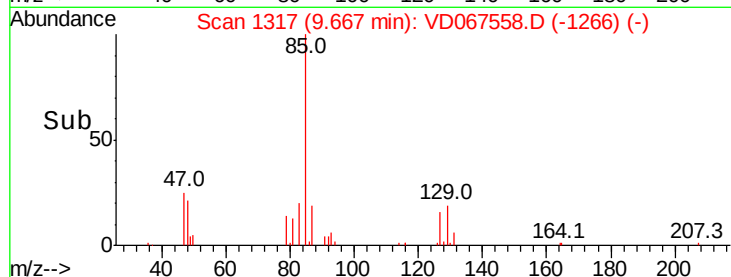
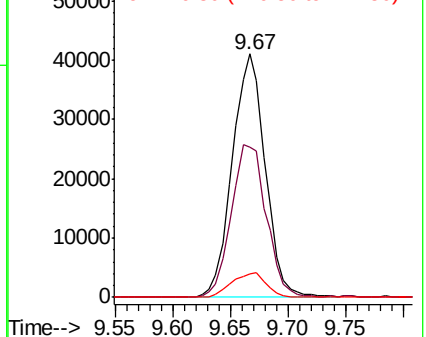
83 100

85 61.4 49.4 74.2

127 9.7 7.7 11.5



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: 20.599 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

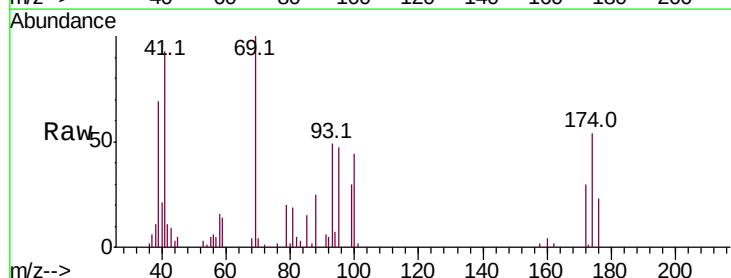
Tgt Ion: 41 Resp: 20367

Ion Ratio Lower Upper

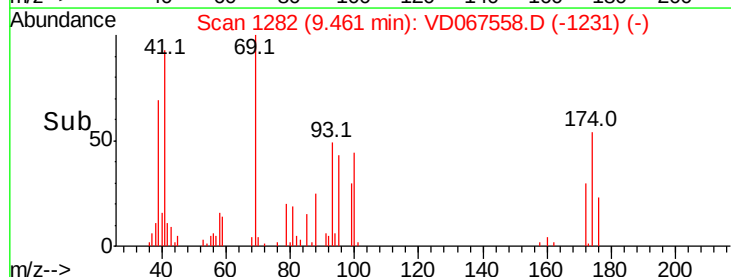
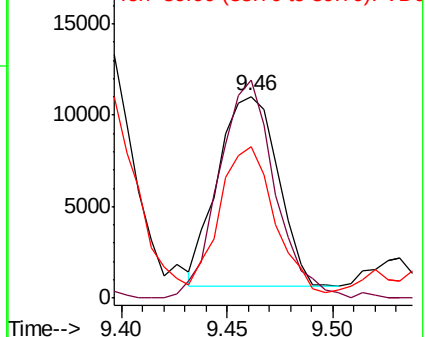
41 100

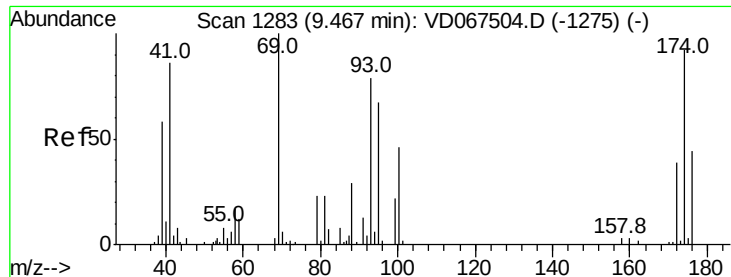
69 107.5 80.6 121.0

39 75.7 50.2 75.4#



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: 485.792 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

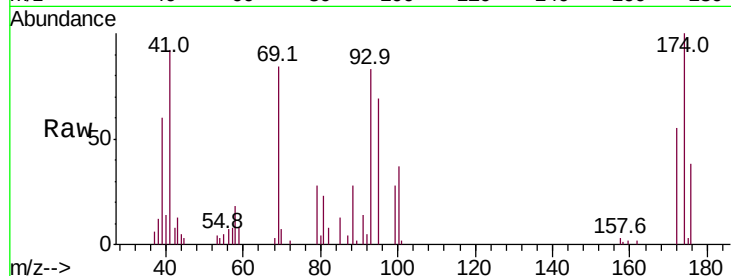
Tot Ion: 88 Resp: 6849

Ion Ratio Lower Upper

88 100

43 35.9 23.6 35.4#

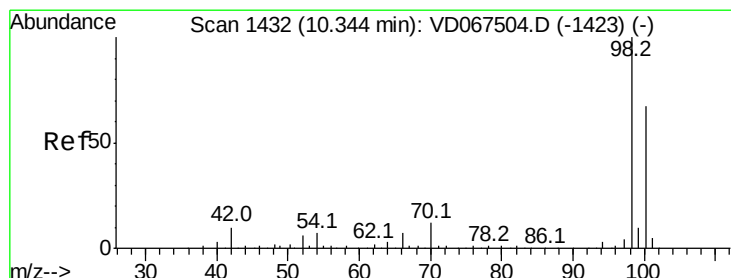
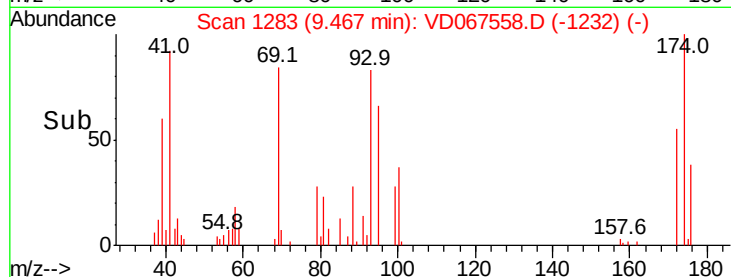
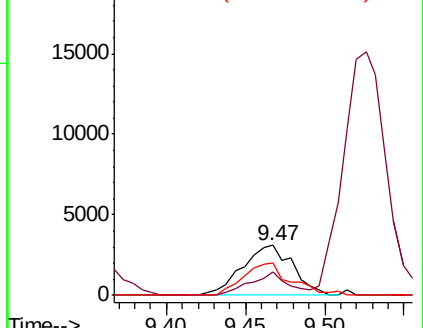
58 60.5 44.7 67.1



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: 48.456 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067558.D

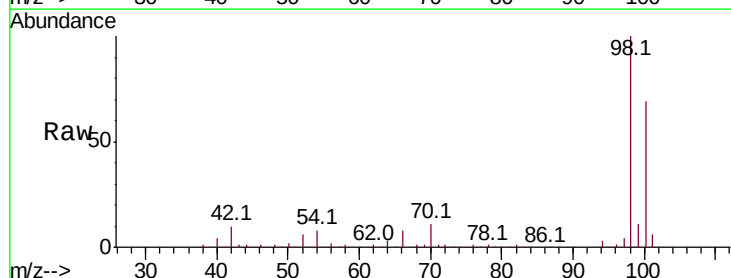
Acq: 09 Nov 2020 11:45

Tgt Ion: 98 Resp: 447021

Ion Ratio Lower Upper

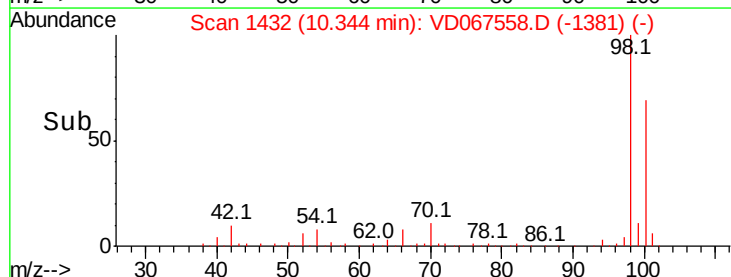
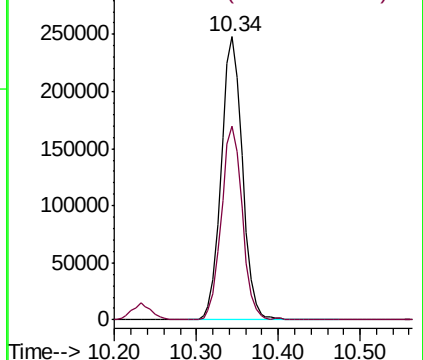
98 100

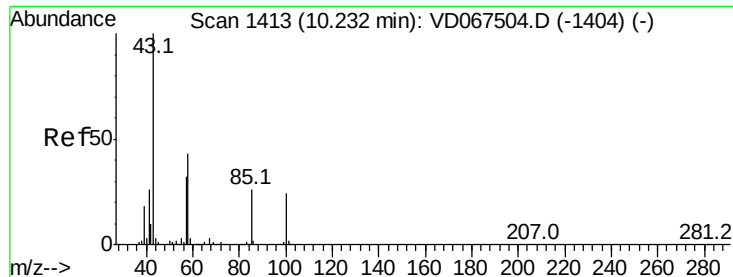
100 67.9 53.0 79.6



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: 116.799 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Instrument :

MSVOA_D

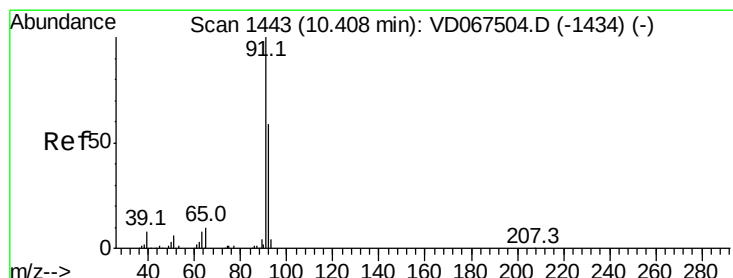
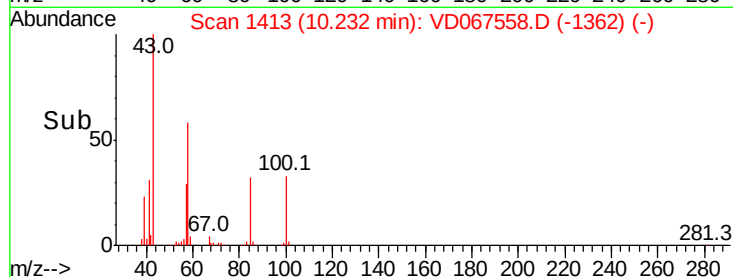
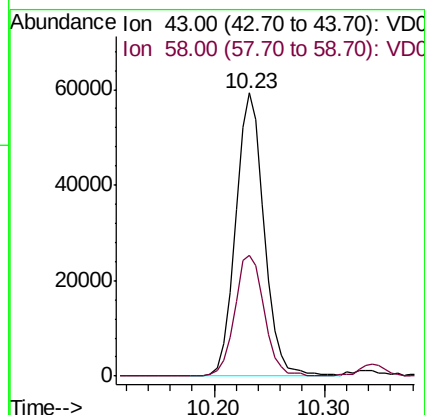
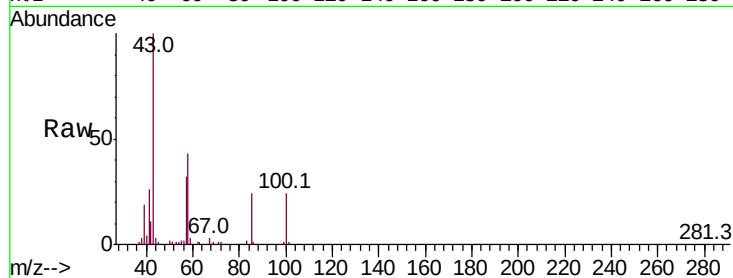
ClientSampleId :

Tot Ion: 43 Resp: 106967

Ion Ratio Lower Upper

43 100

58 44.2 35.6 53.4



#52

Toluene

Concen: 21.960 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD067558.D

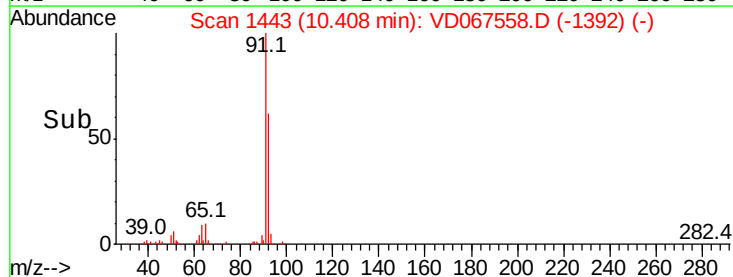
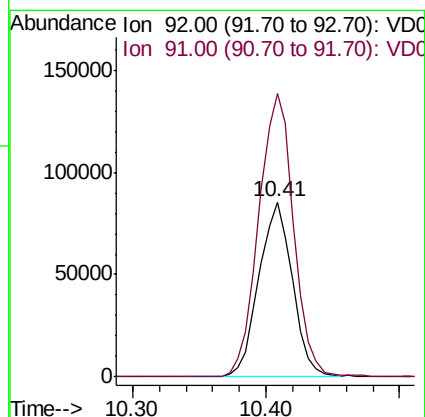
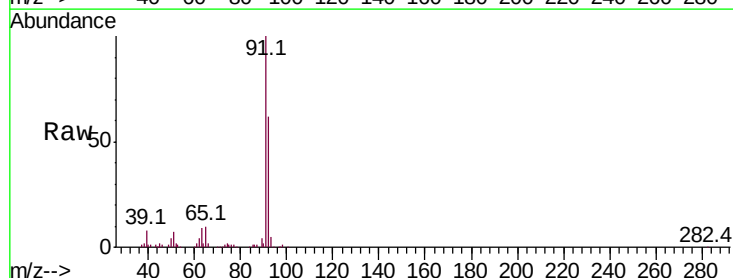
Acq: 09 Nov 2020 11:45

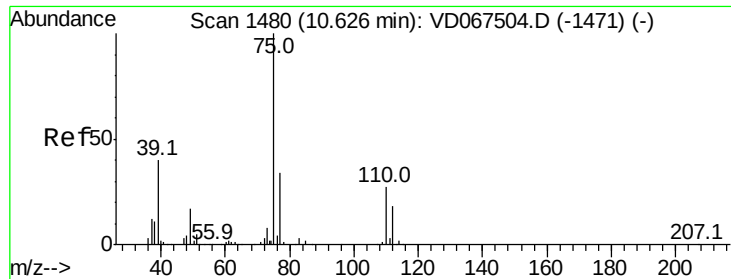
Tgt Ion: 92 Resp: 148595

Ion Ratio Lower Upper

92 100

91 168.9 137.0 205.6

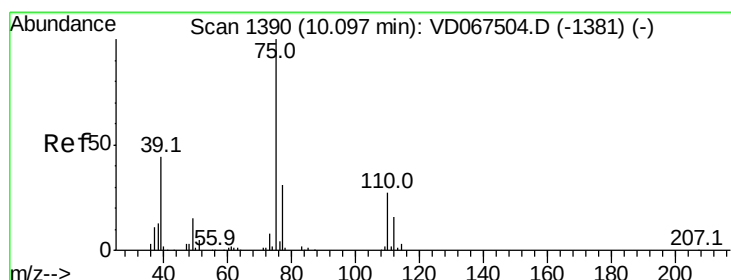
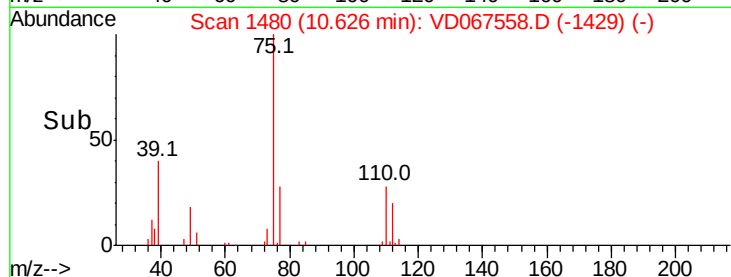
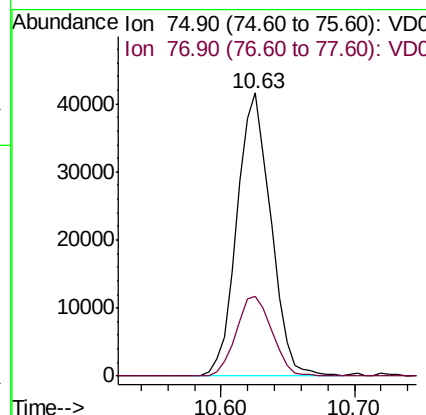
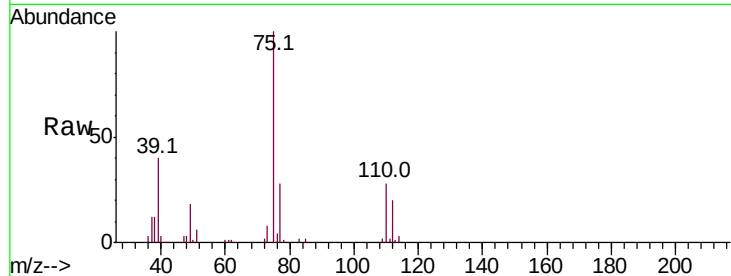




#53
t-1,3-Dichloropropene
Concen: 22.747 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

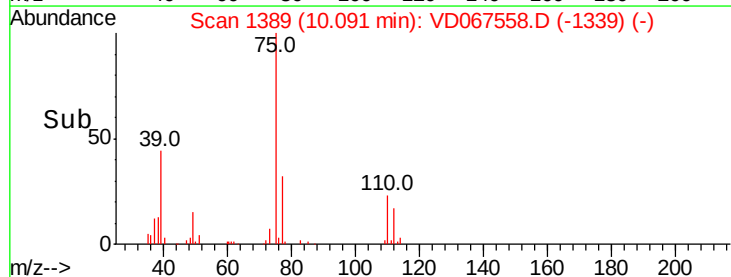
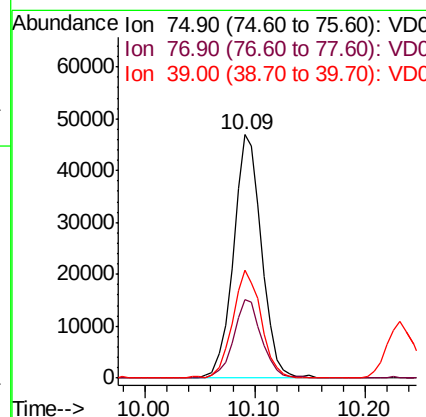
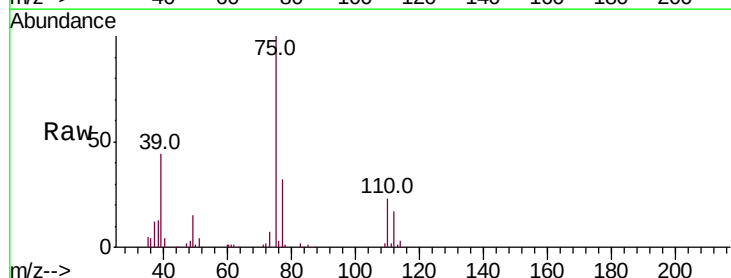
Instrument :
MSVOA_D
ClientSampleId :

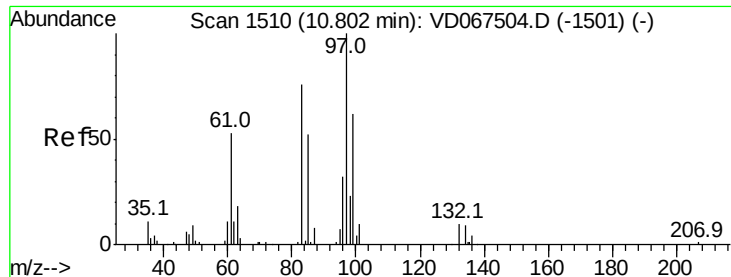
Tot Ion: 75 Resp: 73539
Ion Ratio Lower Upper
75 100
77 28.2 27.0 40.6



#54
cis-1,3-Dichloropropene
Concen: 21.733 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

Tgt Ion: 75 Resp: 83478
Ion Ratio Lower Upper
75 100
77 32.4 24.4 36.6
39 44.4 35.6 53.4





#55

1,1,2-Trichloroethane

Concen: 21.965 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 40361

Ion	Ratio	Lower	Upper
97	100		
83	79.1	61.0	91.6
85	52.8	41.5	62.3
99	60.3	49.4	74.2

Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC

10.80

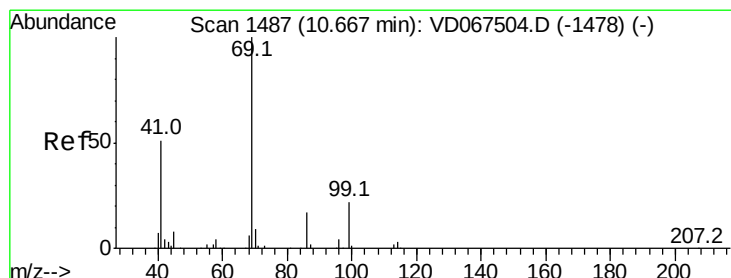
20000

10000

0

Time-->

10.75 10.80 10.85



#56

Ethyl methacrylate

Concen: 22.197 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Tgt Ion: 69 Resp: 42121

Ion	Ratio	Lower	Upper
69	100		
41	51.1	45.4	68.0
39	35.1	27.4	41.0

Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

10.67

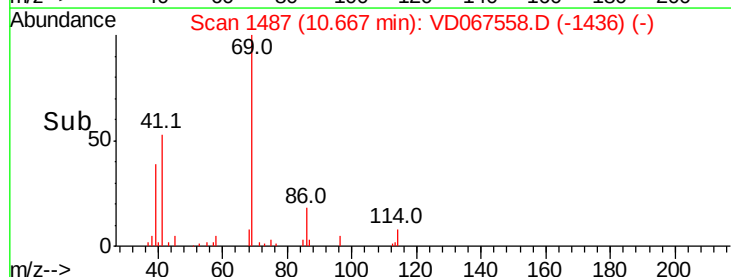
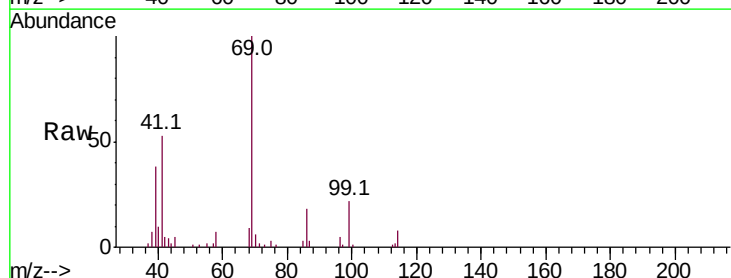
20000

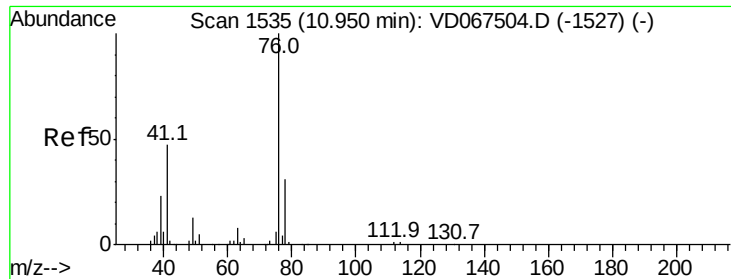
10000

0

Time-->

10.60 10.65 10.70





#57

1,3-Dichloropropane

Concen: 21.582 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Instrument :

MSVOA_D

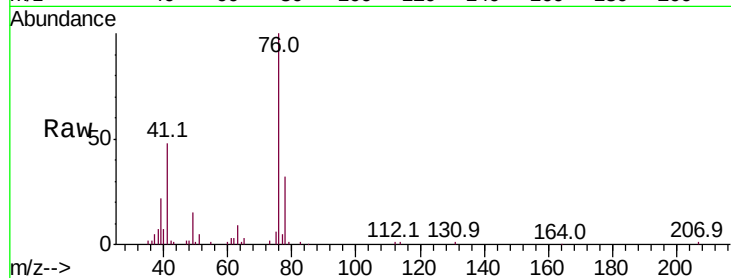
ClientSampleId :

Tot Ion: 76 Resp: 63818

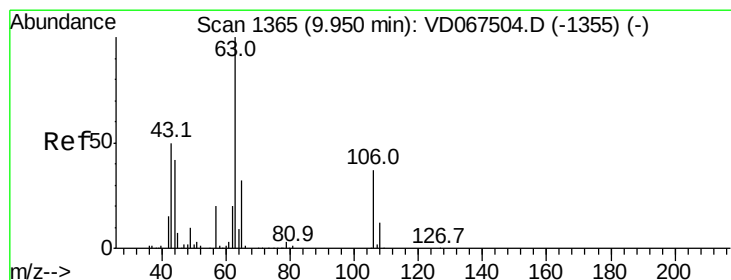
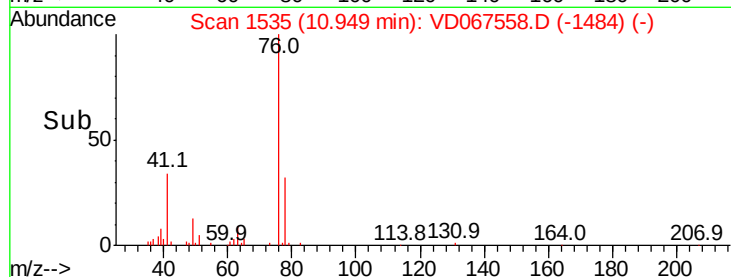
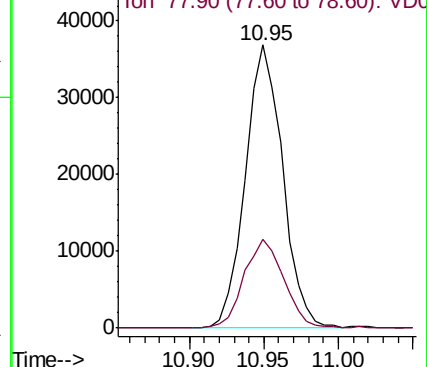
Ion Ratio Lower Upper

76 100

78 33.8 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 111.151 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD067558.D

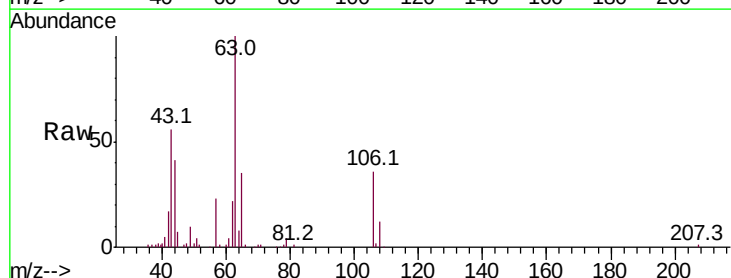
Acq: 09 Nov 2020 11:45

Tgt Ion: 63 Resp: 98357

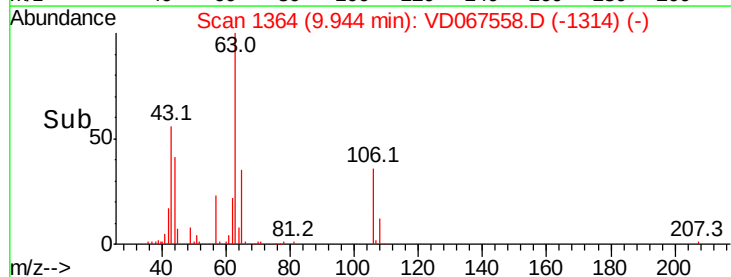
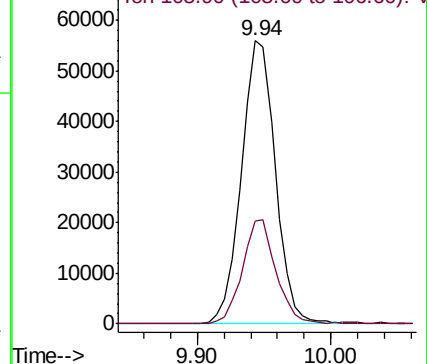
Ion Ratio Lower Upper

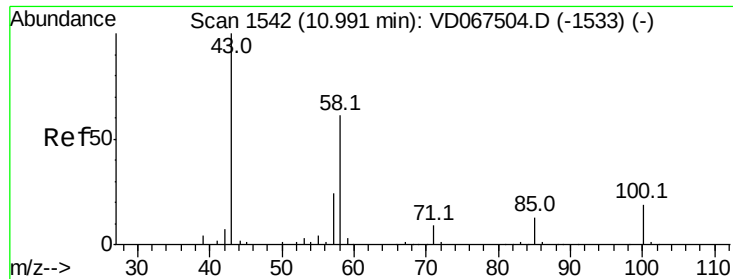
63 100

106 36.4 29.2 43.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

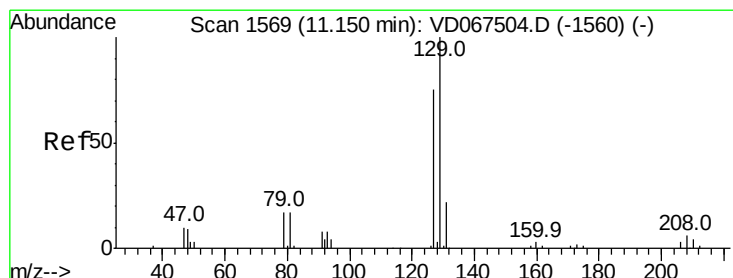
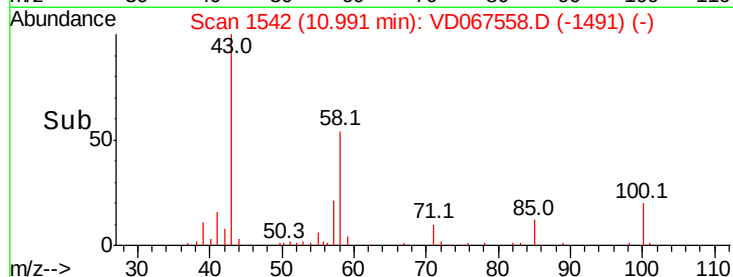
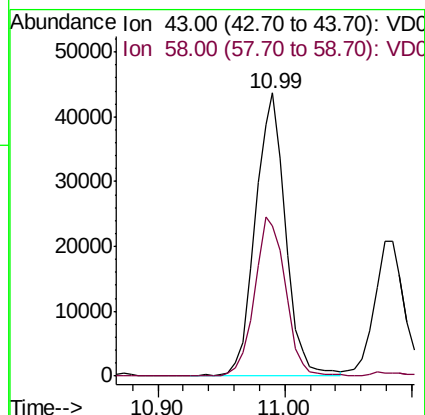
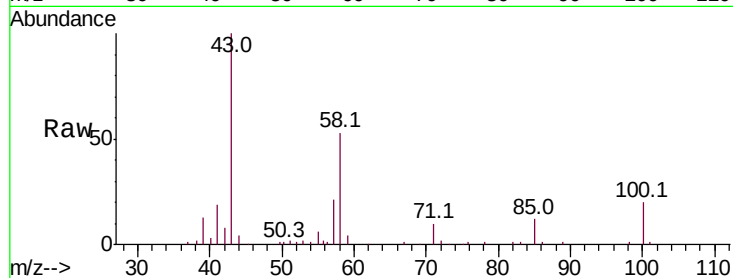




#59
2-Hexanone
Concen: 113.186 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

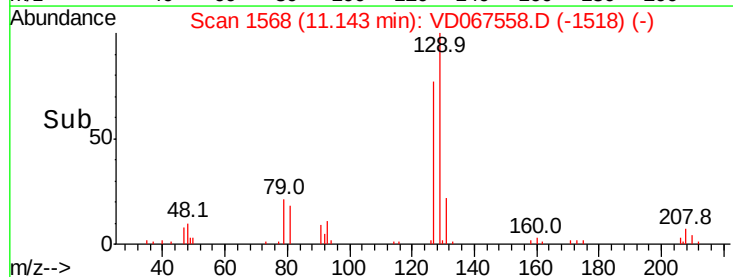
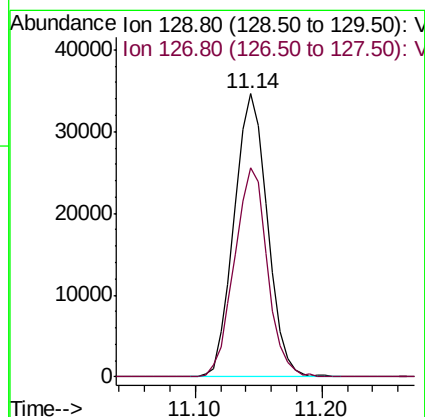
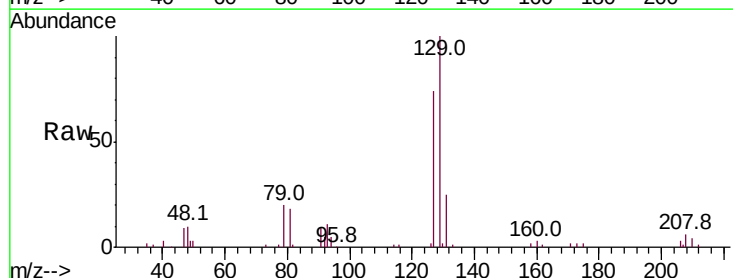
Instrument :
MSVOA_D
ClientSampled :

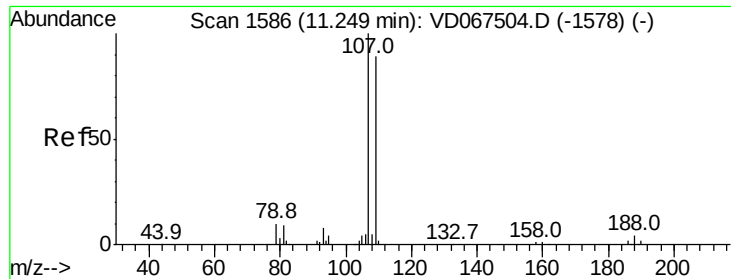
Tot Ion: 43 Resp: 72478
Ion Ratio Lower Upper
43 100
58 57.5 30.3 90.9



#60
Dibromochloromethane
Concen: 23.118 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

Tgt Ion: 129 Resp: 62839
Ion Ratio Lower Upper
129 100
127 73.2 38.0 114.1

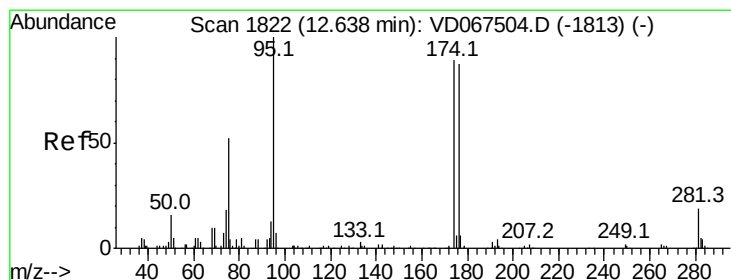
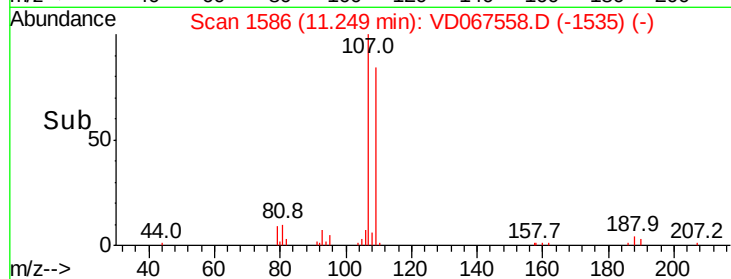
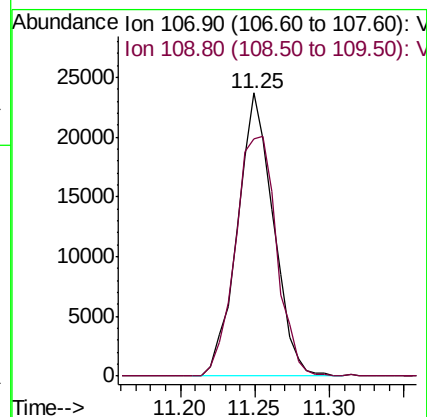
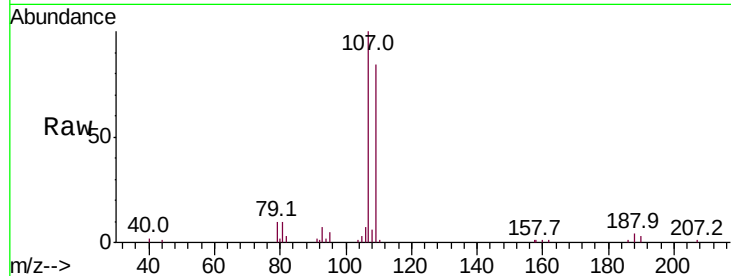




#61
 1,2-Dibromoethane
 Concen: 21.547 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD067558.D
 Acq: 09 Nov 2020 11:45

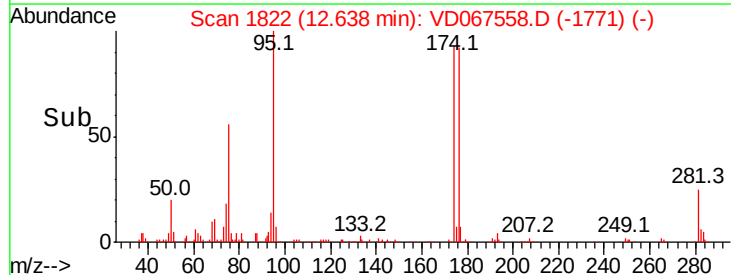
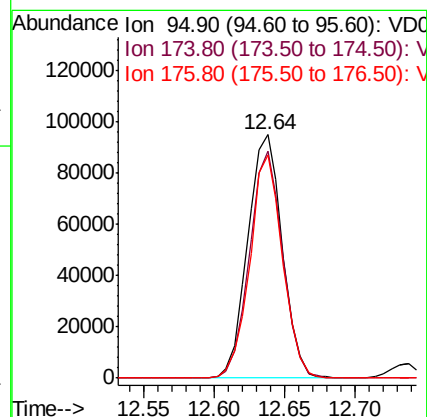
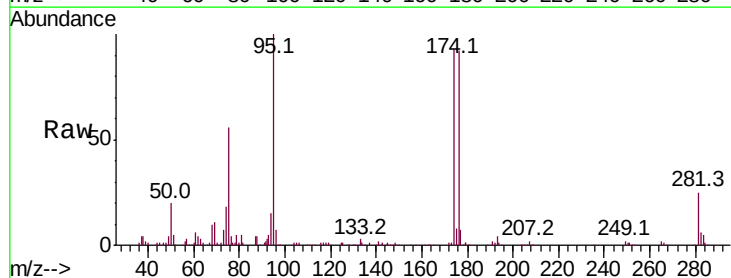
Instrument :
 MSVOA_D
 ClientSampled :

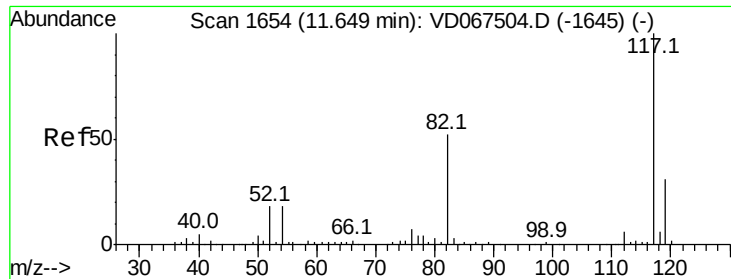
Tot Ion:107 Resp: 39738
 Ion Ratio Lower Upper
 107 100
 109 97.2 74.6 111.8



#62
 4-Bromofluorobenzene
 Concen: 51.126 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD067558.D
 Acq: 09 Nov 2020 11:45

Tgt Ion: 95 Resp: 162834
 Ion Ratio Lower Upper
 95 100
 174 89.5 0.0 177.8
 176 86.8 0.0 172.0

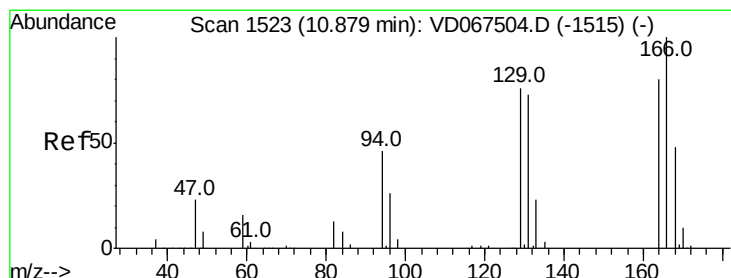
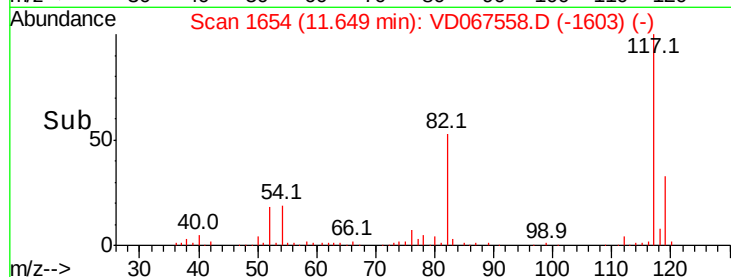
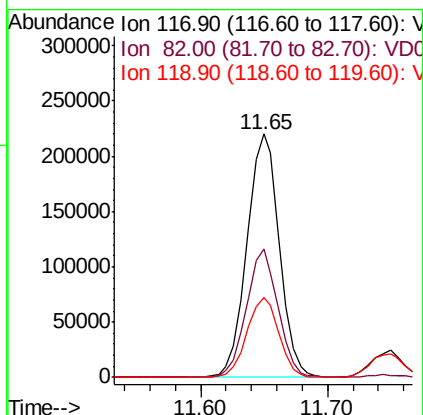
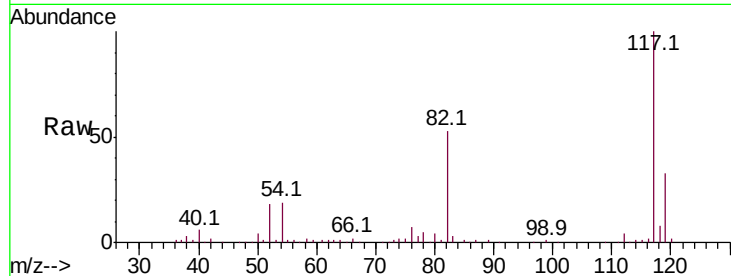




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

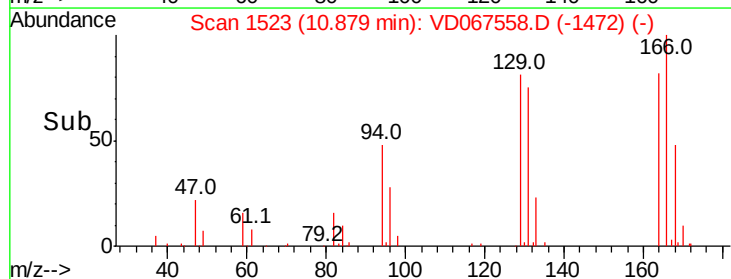
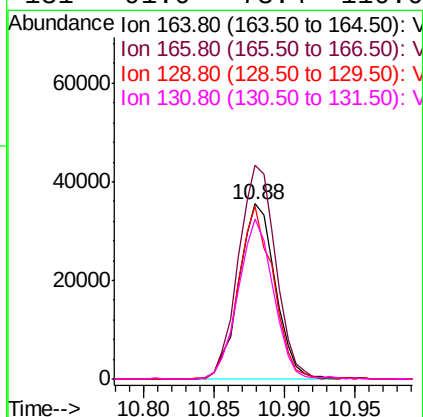
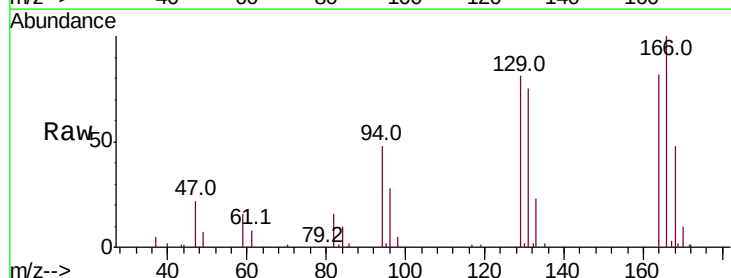
Instrument :
MSVOA_D
ClientSampled :

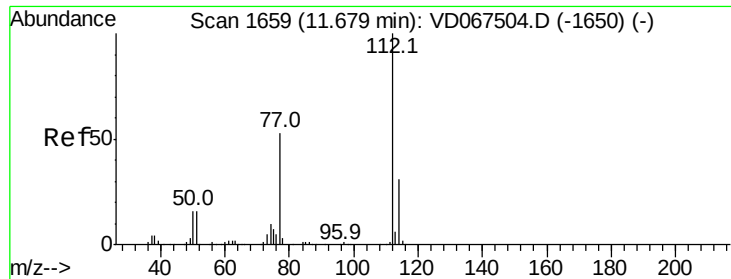
Tot Ion:117 Resp: 390493
Ion Ratio Lower Upper
117 100
82 52.8 41.6 62.4
119 32.7 25.1 37.7



#64
Tetrachloroethene
Concen: 22.278 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

Tgt Ion:164 Resp: 64428
Ion Ratio Lower Upper
164 100
166 121.9 99.9 149.9
129 98.3 75.5 113.3
131 91.0 73.4 110.0





#65

Chlorobenzene

Concen: 21.913 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Instrument :

MSVOA_D

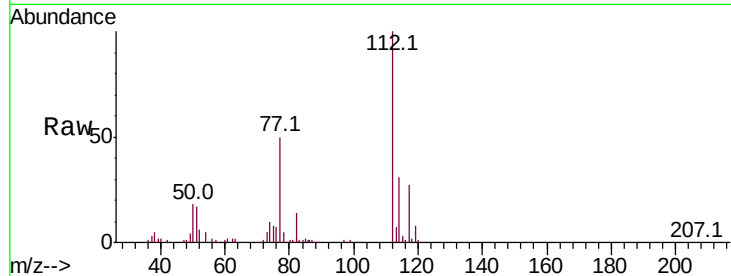
ClientSampleId :

Tot Ion:112 Resp: 164826

Ion Ratio Lower Upper

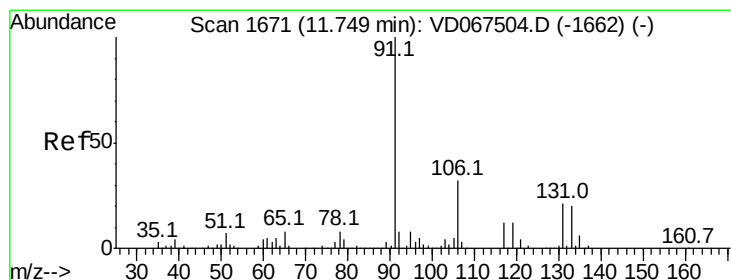
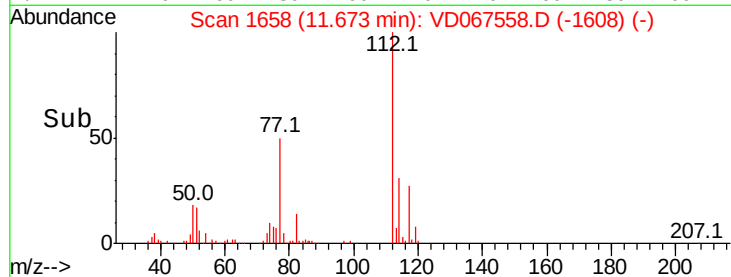
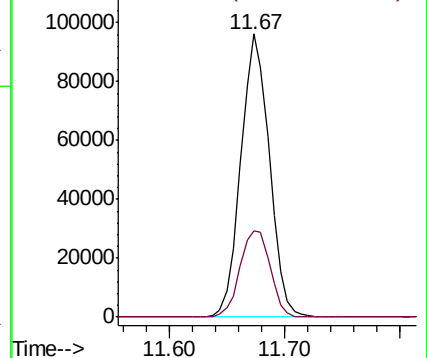
112 100

114 30.6 24.9 37.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.464 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

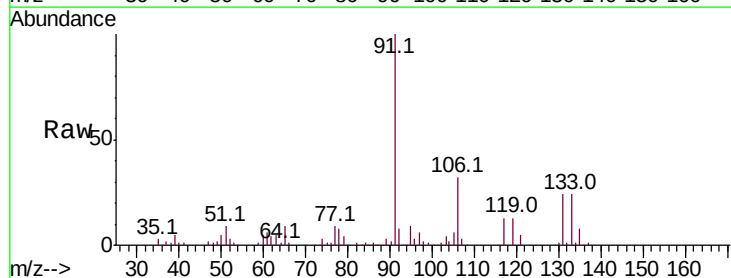
Tgt Ion:131 Resp: 66597

Ion Ratio Lower Upper

131 100

133 97.4 48.0 144.0

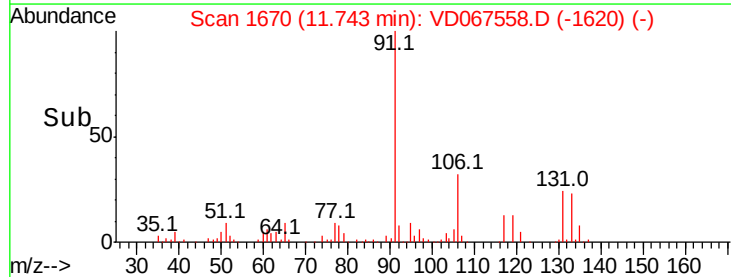
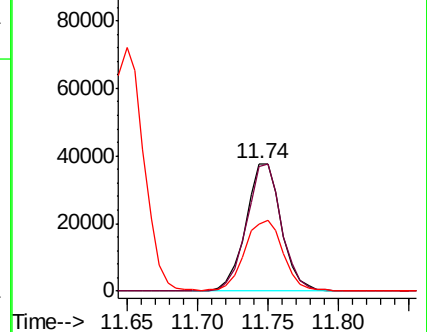
119 60.5 30.1 90.5

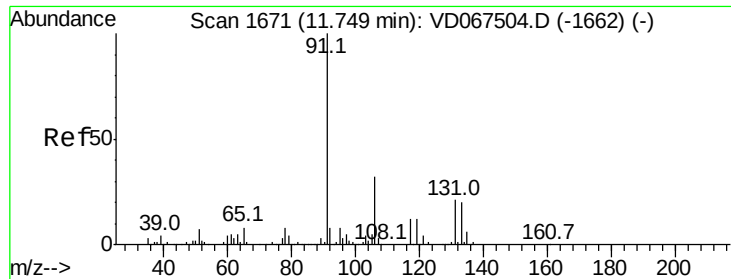


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 22.129 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Instrument :

MSVOA_D

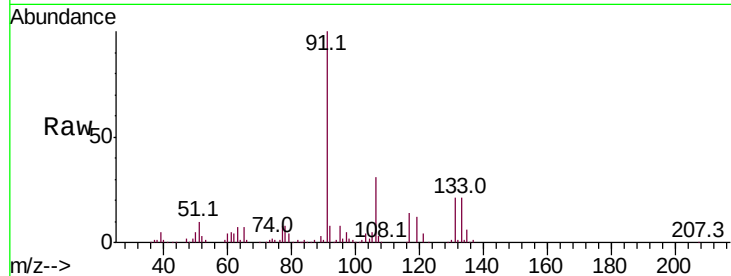
ClientSampled :

Tot Ion: 91 Resp: 284830

Ion Ratio Lower Upper

91 100

106 30.7 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VD067504.D (-1662) (-)

Ion 106.00 (105.70 to 106.70): VD067504.D (-1662) (-)

250000

200000

150000

100000

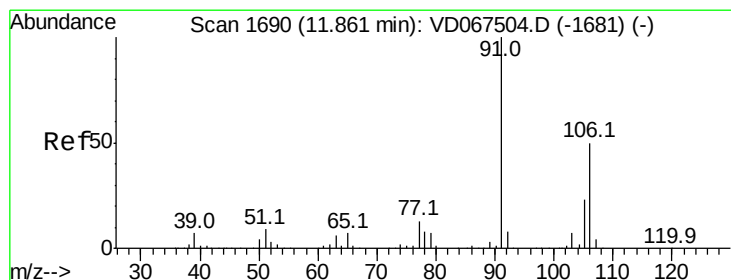
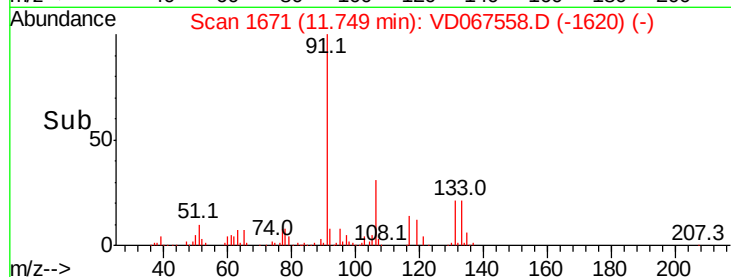
50000

0

11.70

11.80

Time-->



#68

m/p-Xylenes

Concen: 44.198 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD067558.D

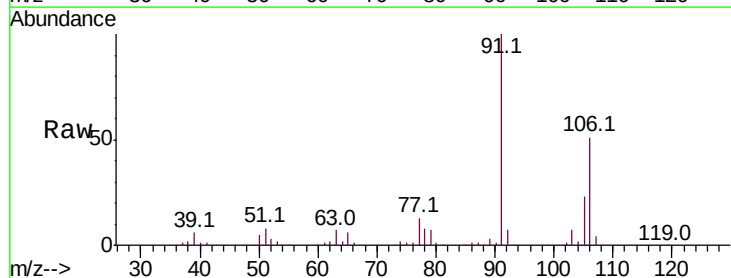
Acq: 09 Nov 2020 11:45

Tgt Ion: 106 Resp: 221325

Ion Ratio Lower Upper

106 100

91 206.4 162.6 244.0



Abundance Ion 106.00 (105.70 to 106.70): VD067504.D (-1681) (-)

Ion 91.00 (90.70 to 91.70): VD067504.D (-1681) (-)

250000

200000

150000

100000

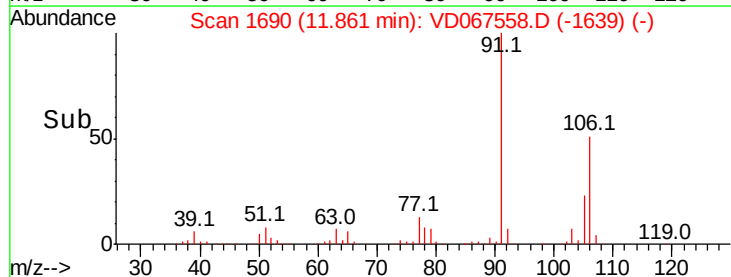
50000

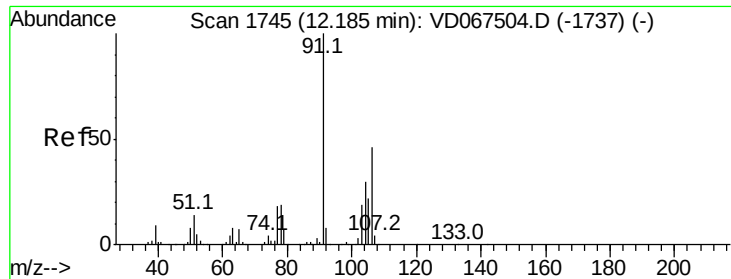
0

11.80

11.90

Time-->

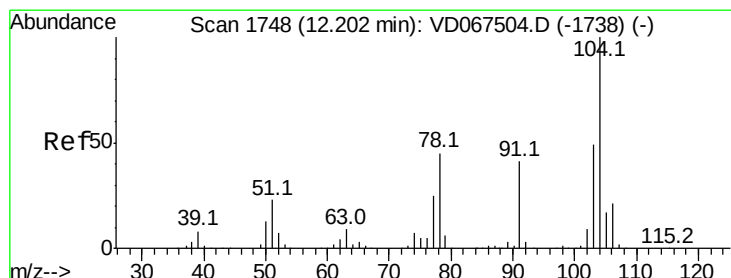
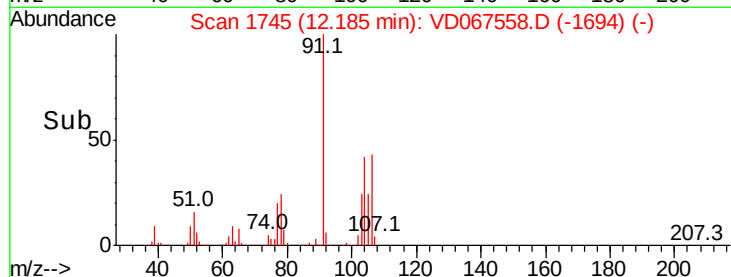
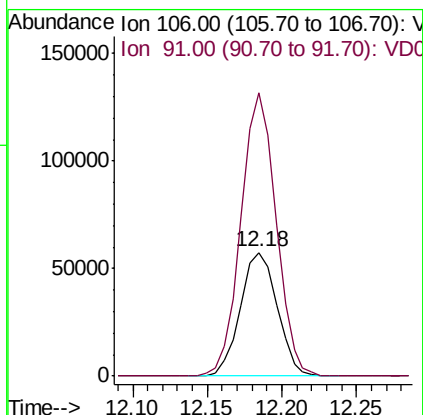
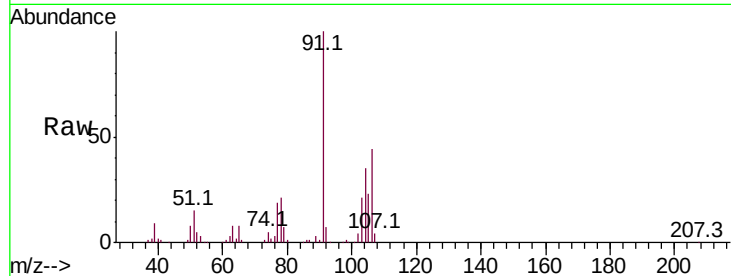




#69
o-Xylene
Concen: 21.994 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

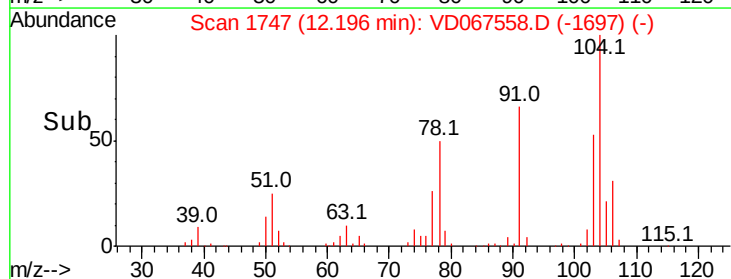
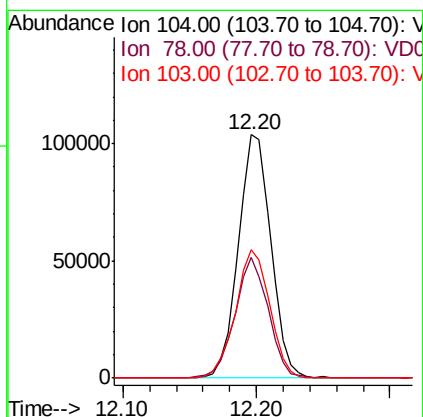
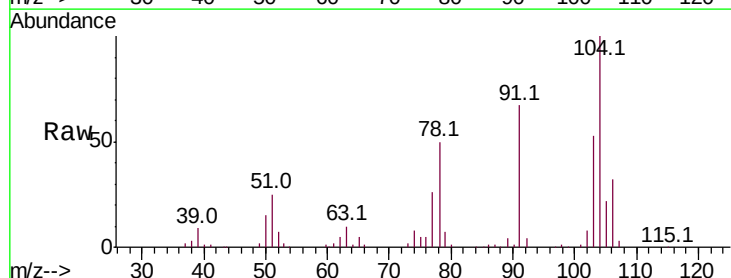
Instrument :
MSVOA_D
ClientSampled :

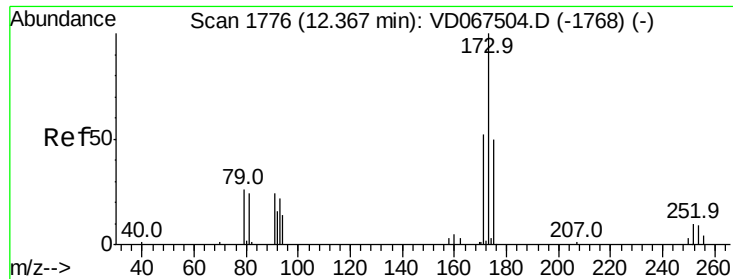
Tot Ion:106 Resp: 98335
Ion Ratio Lower Upper
106 100
91 219.1 107.1 321.1



#70
Styrene
Concen: 22.514 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

Tgt Ion:104 Resp: 175396
Ion Ratio Lower Upper
104 100
78 50.8 39.8 59.8
103 55.3 43.9 65.9





#71

Bromoform

Concen: 23.863 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampled :

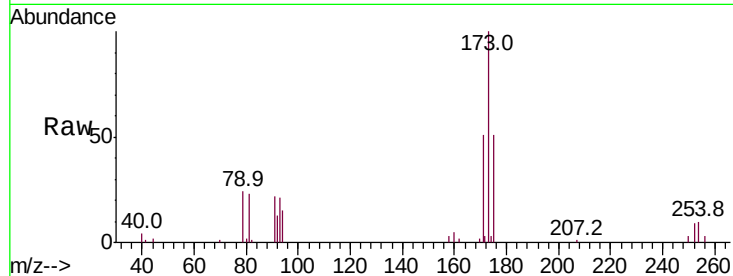
Tot Ion:173 Resp: 36081

Ion Ratio Lower Upper

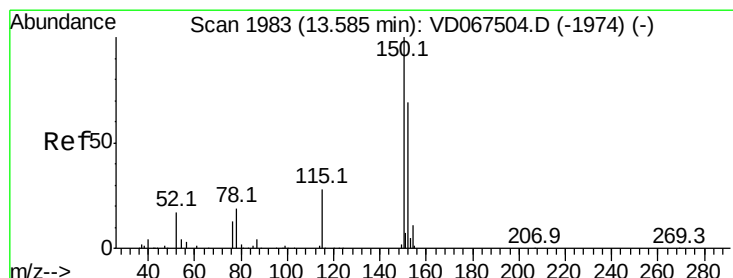
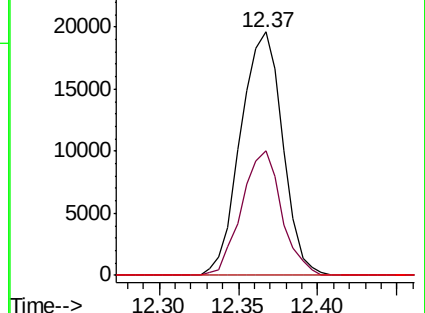
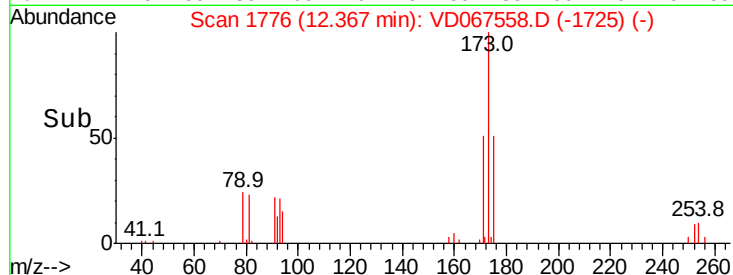
173 100

175 48.5 24.1 72.2

254 0.0 0.0 0.0



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. -0.01 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

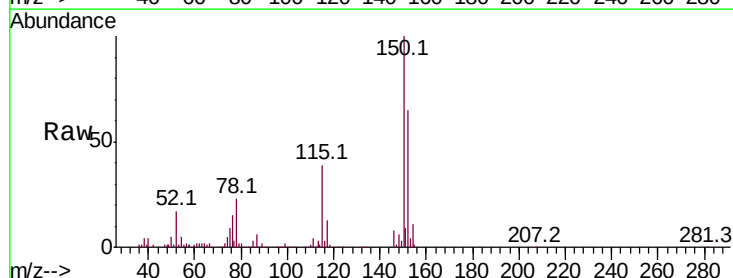
Tgt Ion:152 Resp: 196017

Ion Ratio Lower Upper

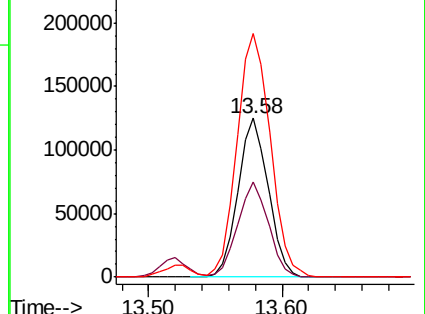
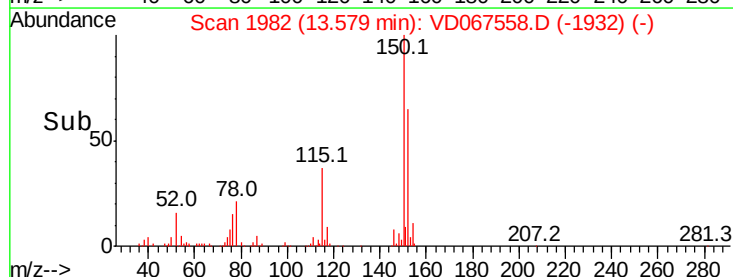
152 100

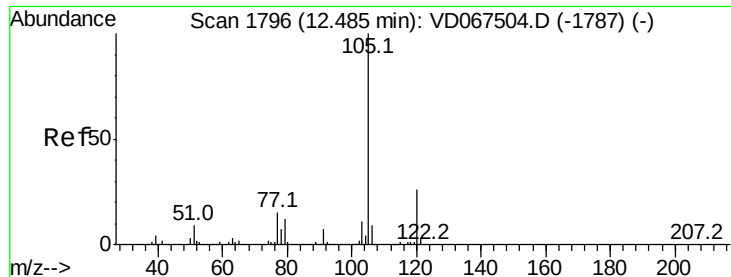
115 60.5 29.3 88.0

150 168.9 0.0 338.2



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: 22.693 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Instrument :

MSVOA_D

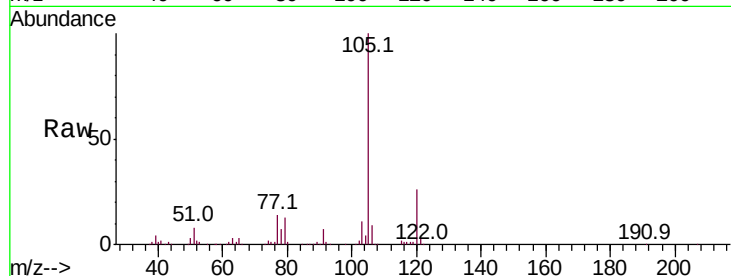
ClientSampleId :

Tot Ion:105 Resp: 287479

Ion Ratio Lower Upper

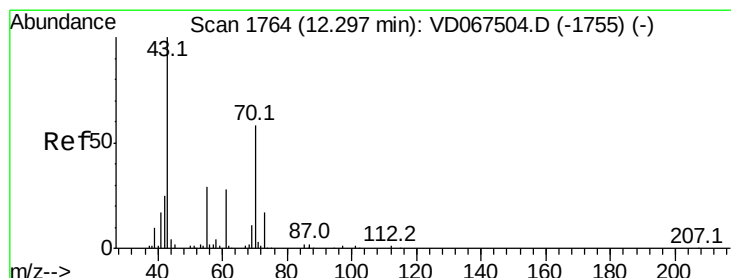
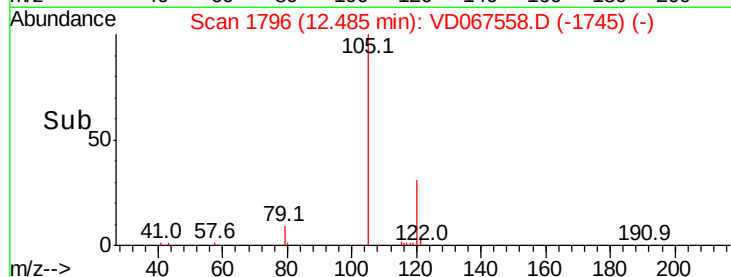
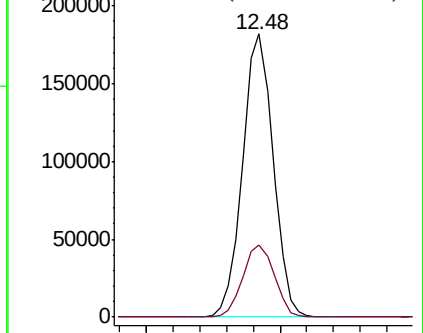
105 100

120 26.4 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.579 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Tgt Ion: 43 Resp: 37637

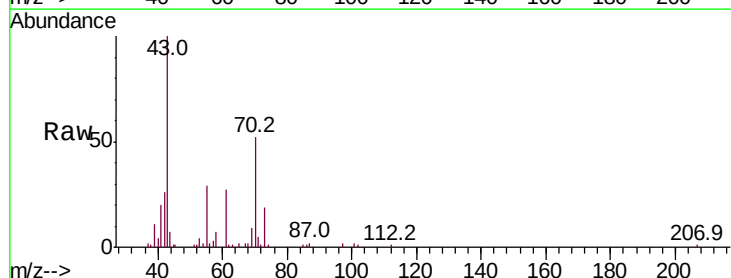
Ion Ratio Lower Upper

43 100

70 53.1 42.6 64.0

55 31.7 23.7 35.5

61 26.6 21.9 32.9

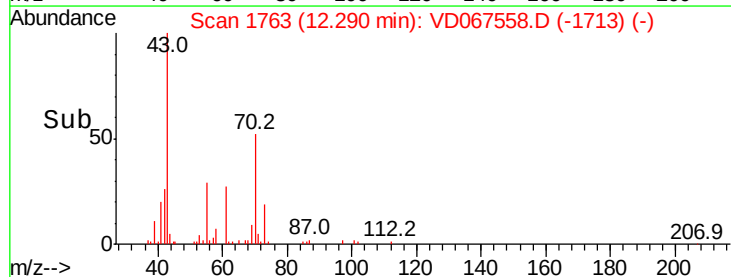
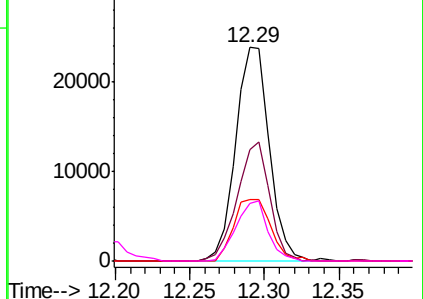


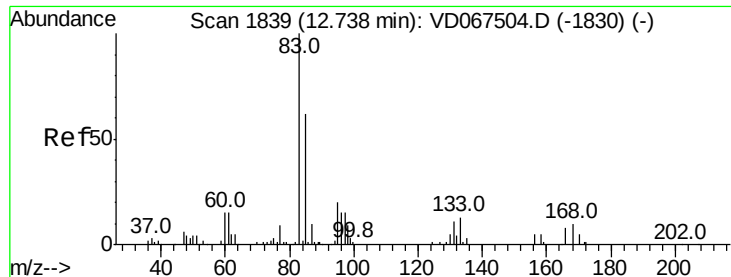
Abundance Ion 43.00 (42.70 to 43.70): V

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: 22.788 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

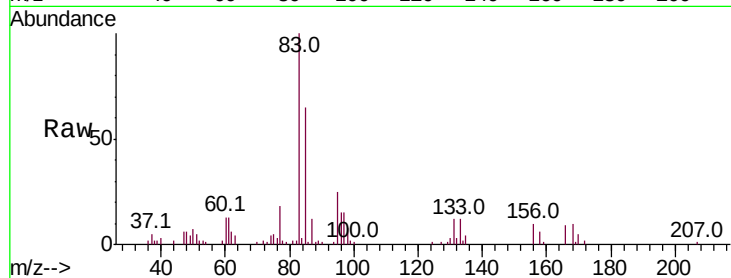
Tot Ion: 83 Resp: 39365

Ion Ratio Lower Upper

83 100

131 14.7 7.1 21.3

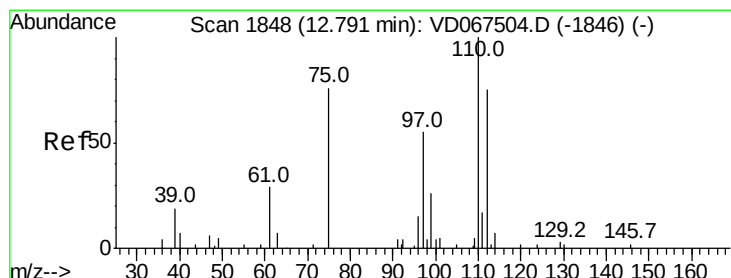
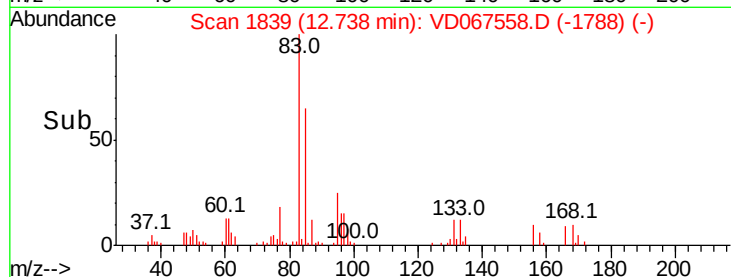
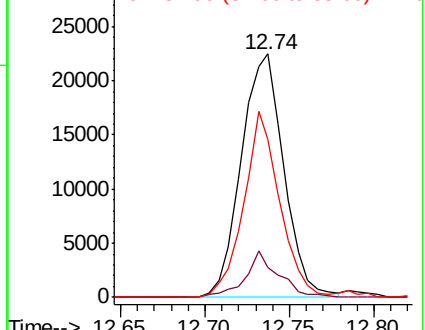
85 64.6 32.9 98.7



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: 47.957 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD067558.D

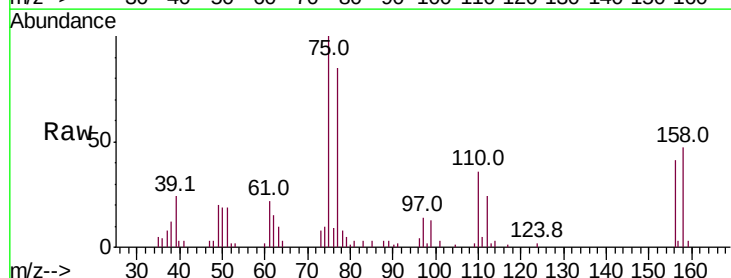
Acq: 09 Nov 2020 11:45

Tgt Ion: 75 Resp: 56708

Ion Ratio Lower Upper

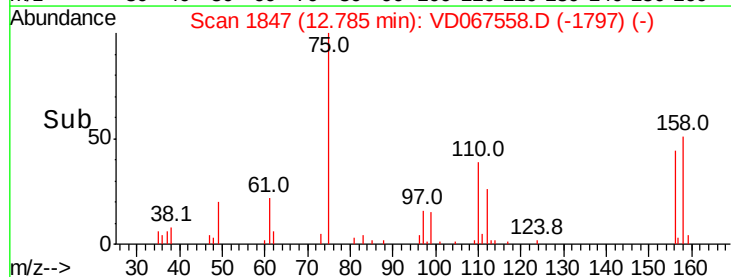
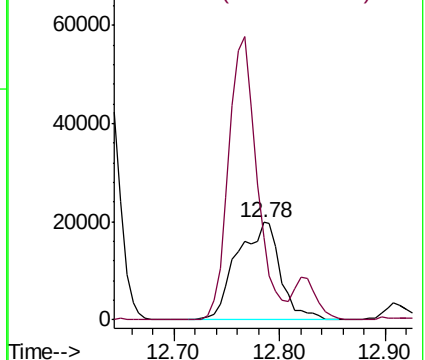
75 100

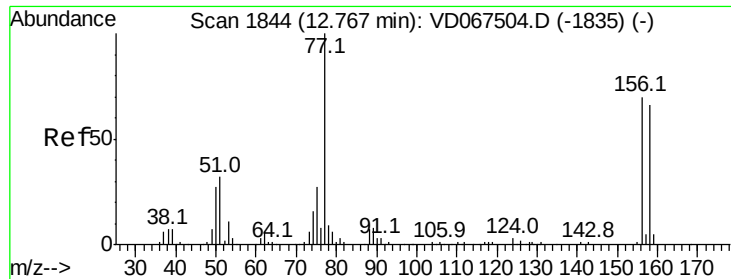
77 191.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 22.267 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

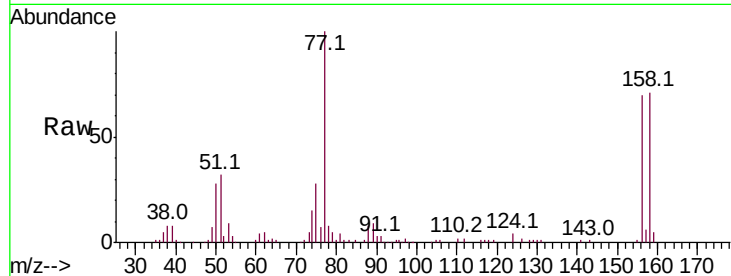
Tot Ion:156 Resp: 69275

Ion Ratio Lower Upper

156 100

77 156.7 77.8 233.5

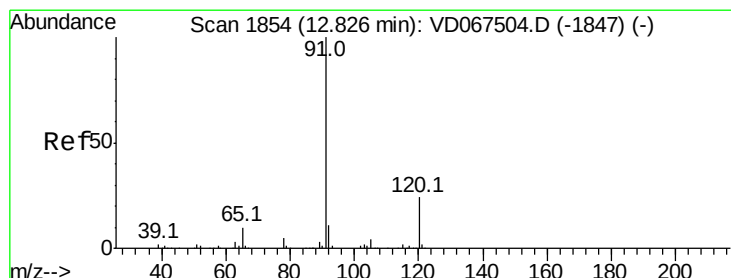
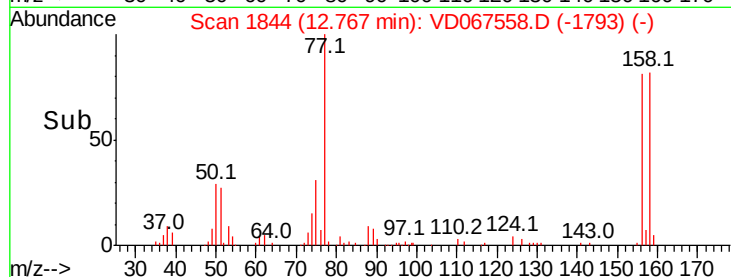
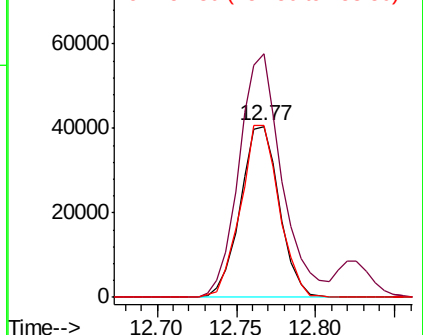
158 99.2 47.9 143.7



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: 22.846 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD067558.D

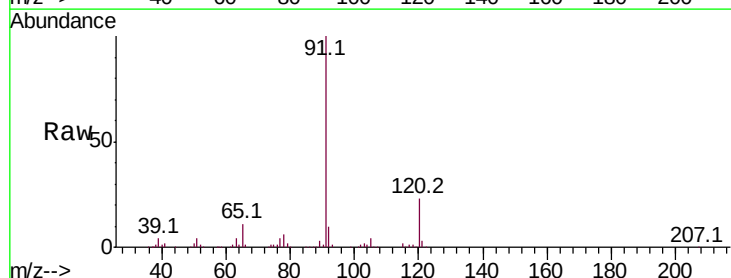
Acq: 09 Nov 2020 11:45

Tgt Ion: 91 Resp: 331039

Ion Ratio Lower Upper

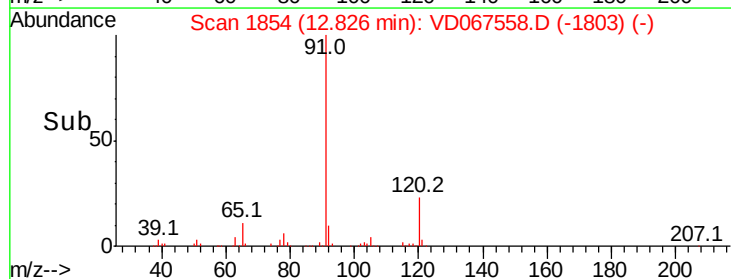
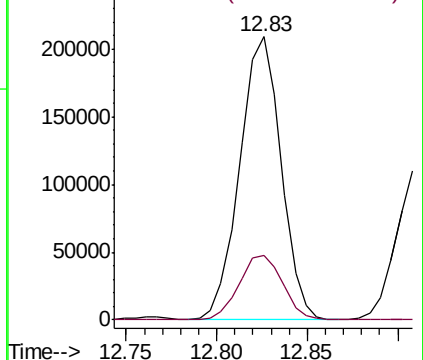
91 100

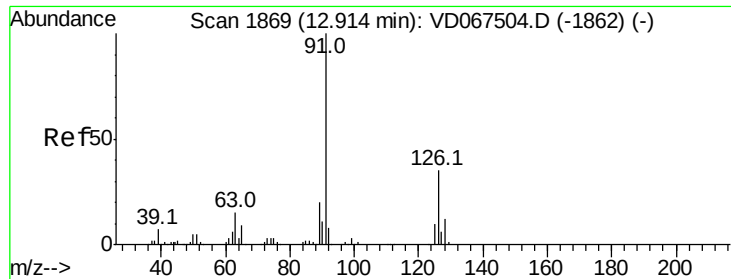
120 24.0 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.810 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Instrument :

MSVOA_D

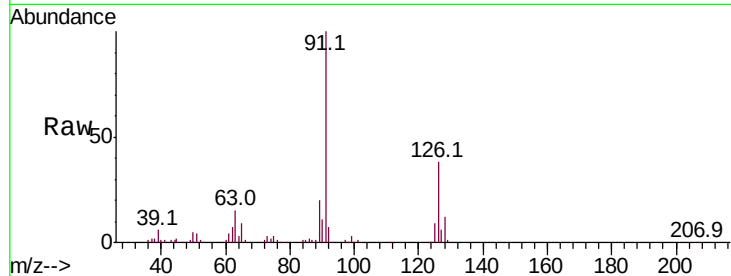
ClientSampleId :

Tot Ion: 91 Resp: 187750

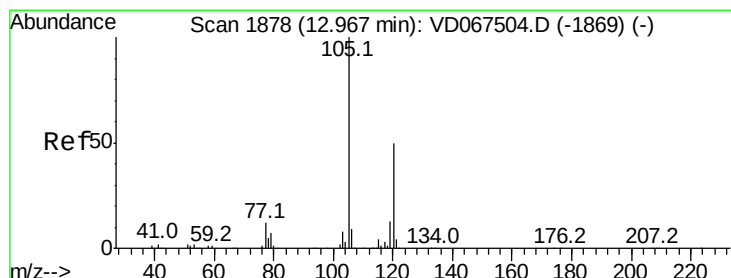
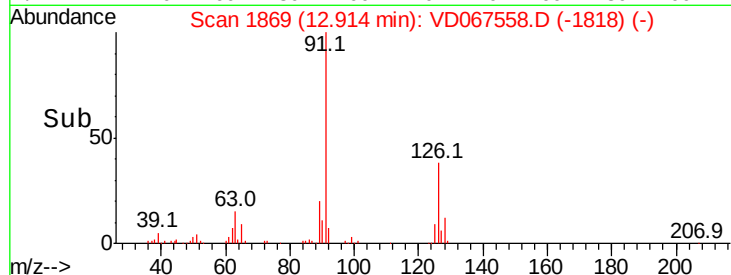
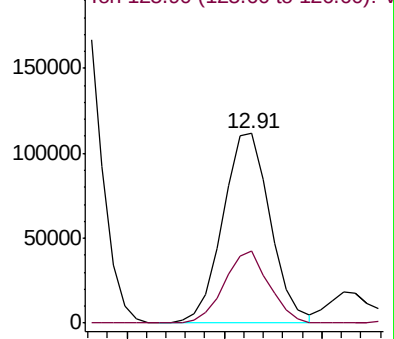
Ion Ratio Lower Upper

91 100

126 36.0 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): VD067504.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 23.079 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD067558.D

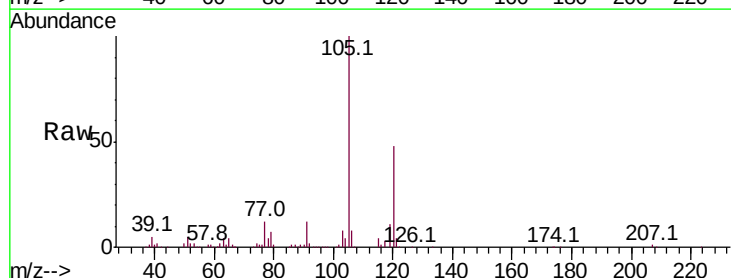
Acq: 09 Nov 2020 11:45

Tgt Ion:105 Resp: 249753

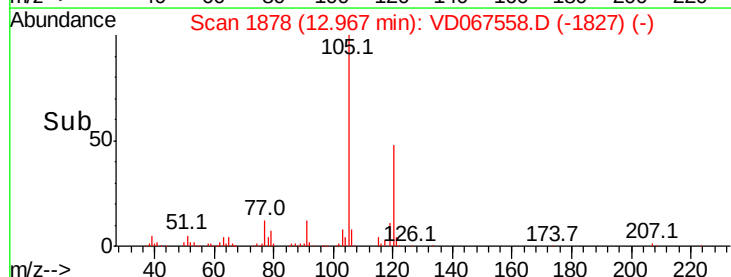
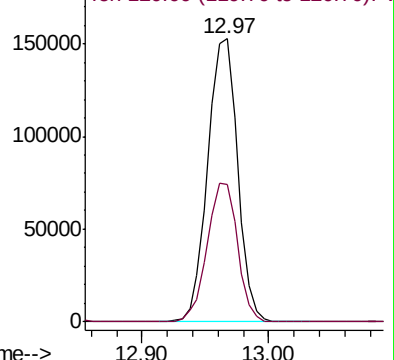
Ion Ratio Lower Upper

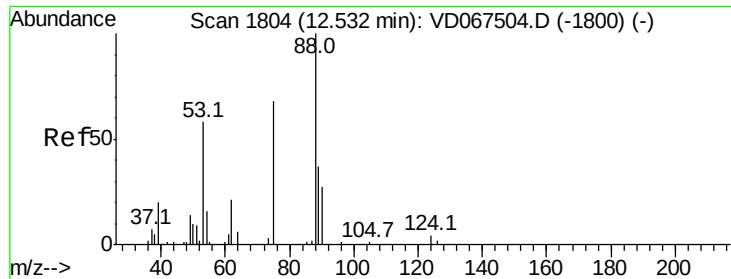
105 100

120 49.9 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VD067504.D (-1869) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.751 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

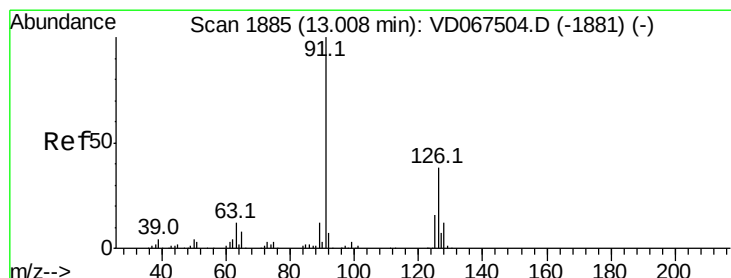
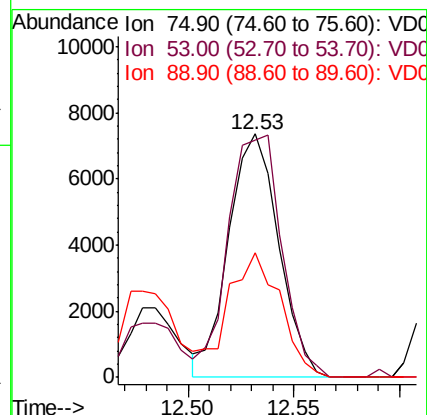
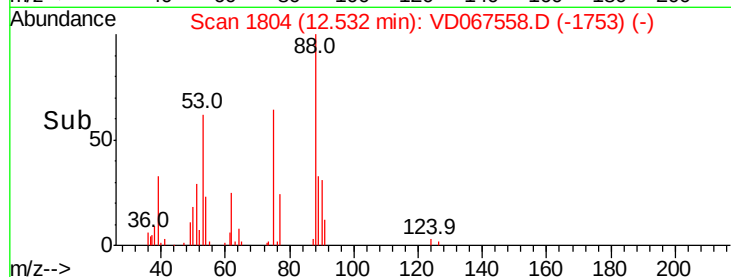
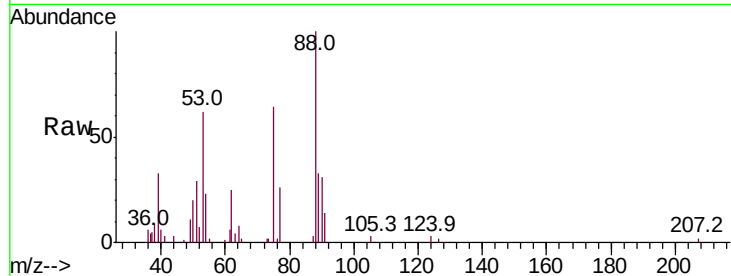
Tot Ion: 75 Resp: 12086

Ion Ratio Lower Upper

75 100

53 106.5 75.9 113.9

89 53.8 44.6 67.0



#82

4-Chlorotoluene

Concen: 22.985 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD067558.D

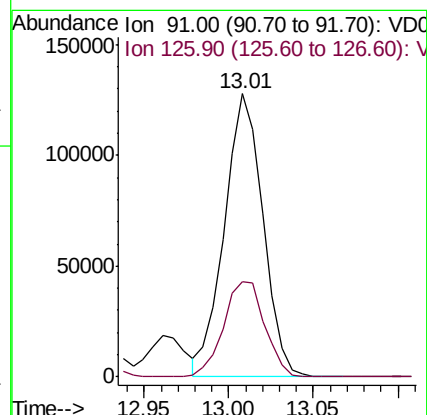
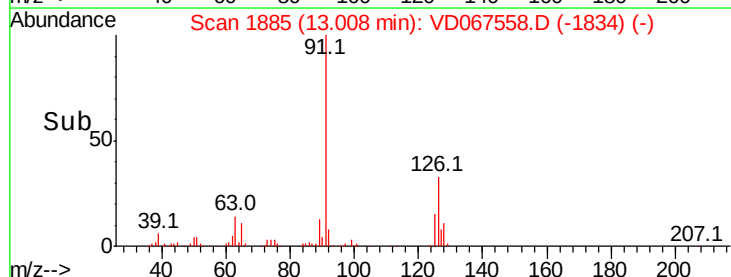
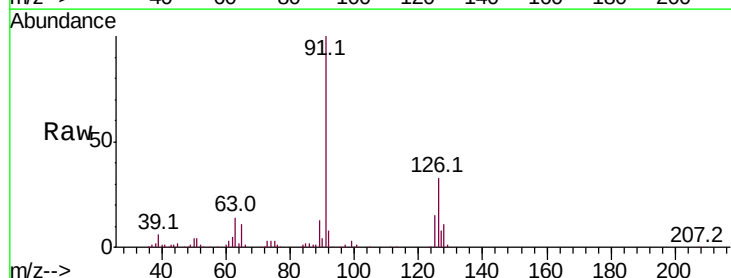
Acq: 09 Nov 2020 11:45

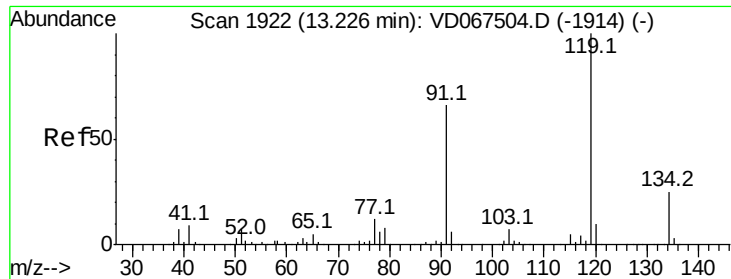
Tgt Ion: 91 Resp: 202909

Ion Ratio Lower Upper

91 100

126 36.3 17.9 53.7

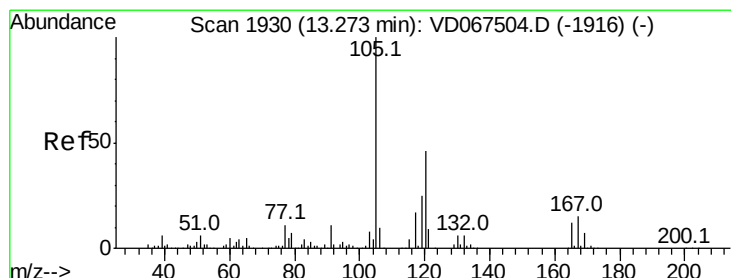
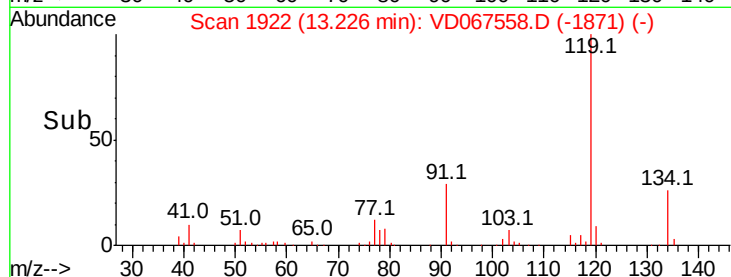
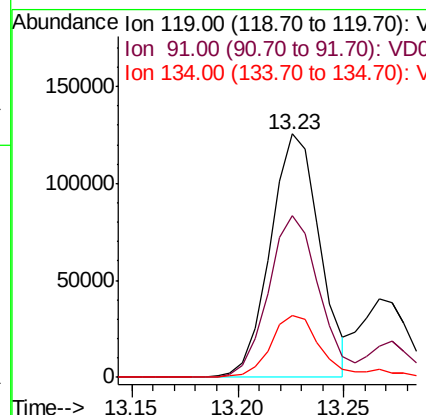
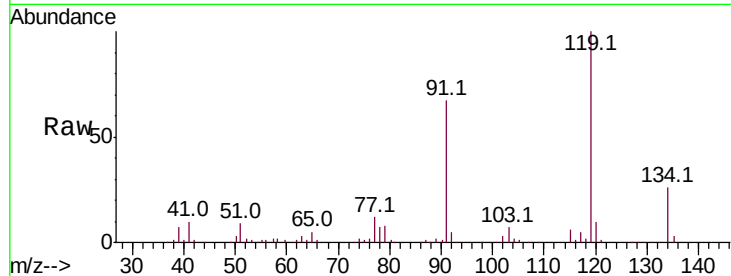




#83
 tert-Butylbenzene
 Concen: 22.275 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD067558.D
 Acq: 09 Nov 2020 11:45

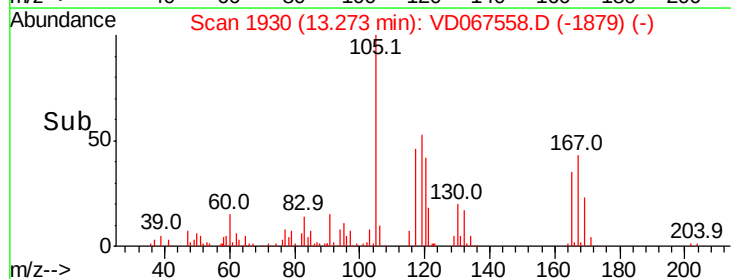
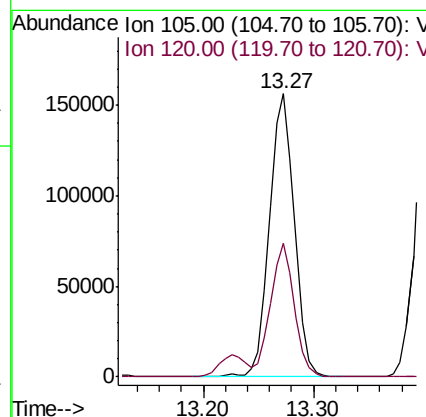
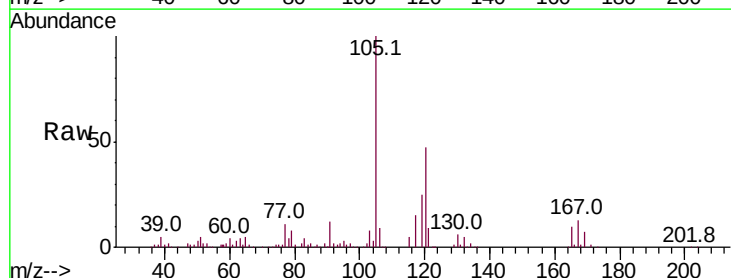
Instrument :
 MSVOA_D
 ClientSampleId :

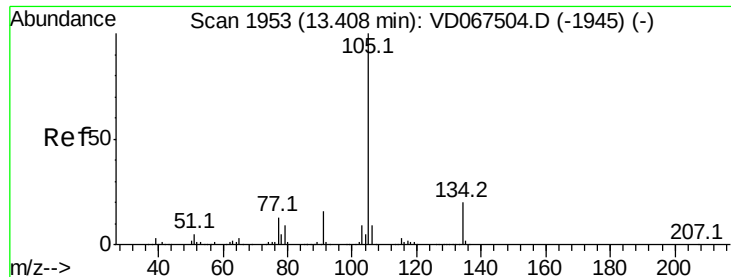
Tot Ion:119 Resp: 204297
 Ion Ratio Lower Upper
 119 100
 91 68.3 32.7 98.1
 134 27.3 13.4 40.2



#84
 1,2,4-Trimethylbenzene
 Concen: 22.945 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD067558.D
 Acq: 09 Nov 2020 11:45

Tgt Ion:105 Resp: 247168
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.1 66.1





#85

sec-Butylbenzene

Concen: 22.515 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Instrument :

MSVOA_D

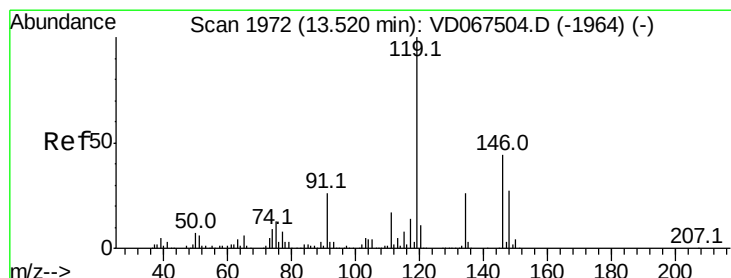
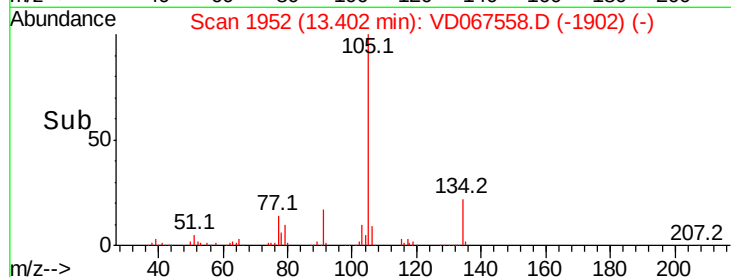
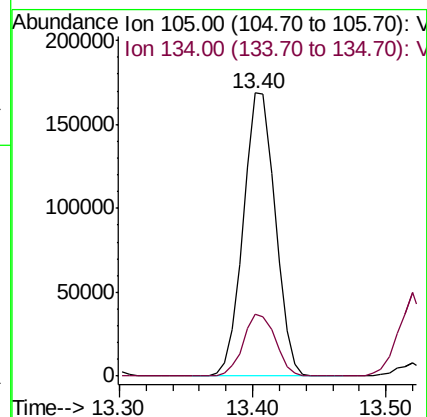
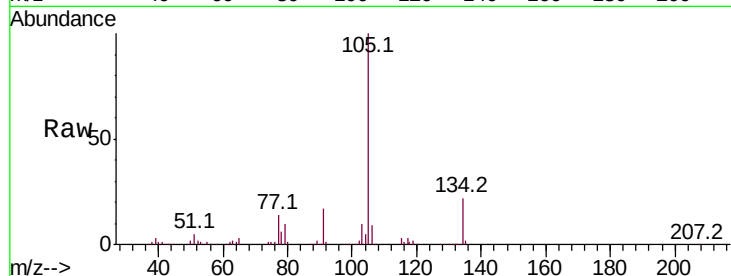
ClientSampled :

Tot Ion:105 Resp: 278757

Ion Ratio Lower Upper

105 100

134 22.0 10.4 31.4



#86

p-Isopropyltoluene

Concen: 22.899 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

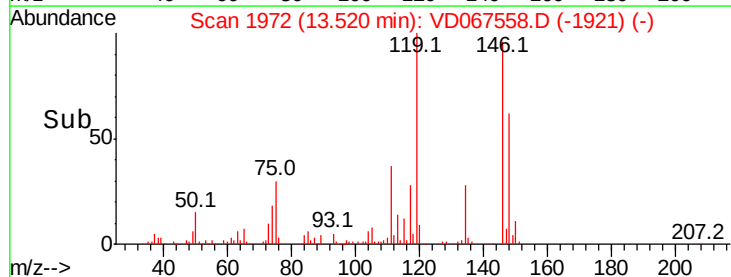
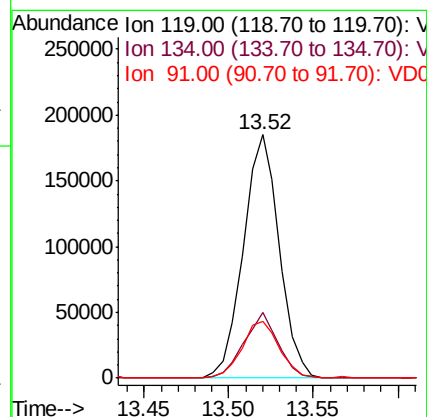
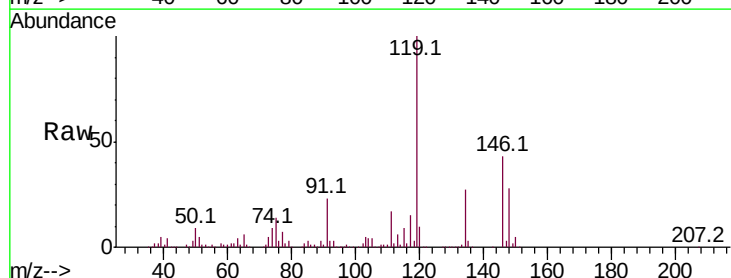
Tgt Ion:119 Resp: 273783

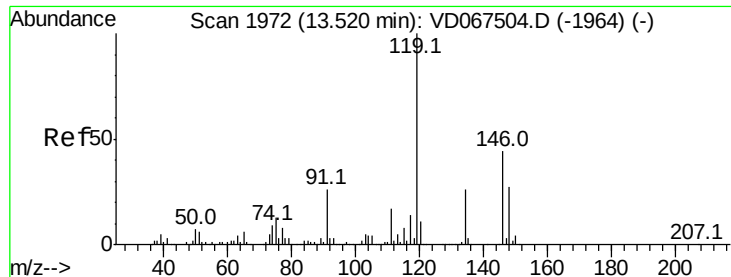
Ion Ratio Lower Upper

119 100

134 25.7 13.1 39.3

91 24.0 12.2 36.4



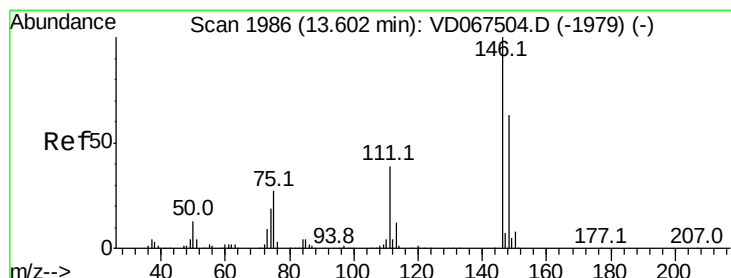
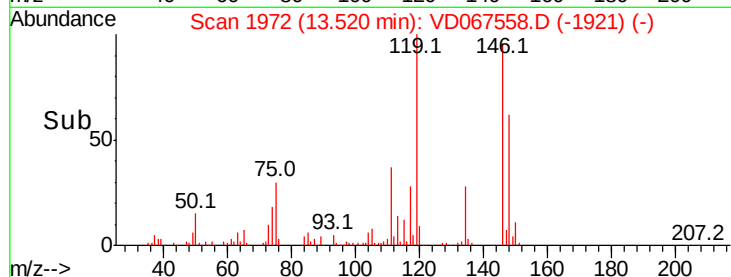
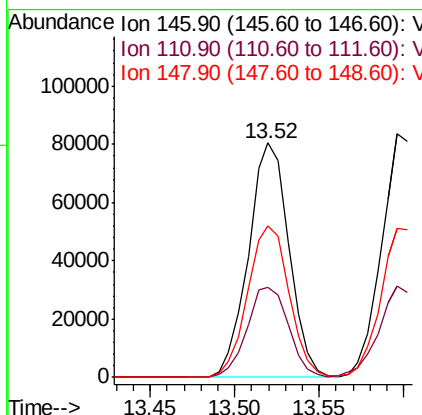
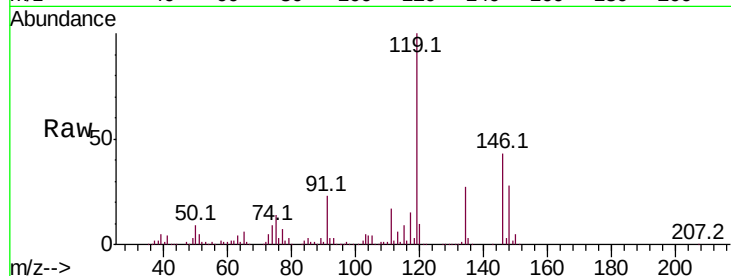


#87
 1,3-Dichlorobenzene
 Concen: 22.657 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067558.D
 Acq: 09 Nov 2020 11:45

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 134503

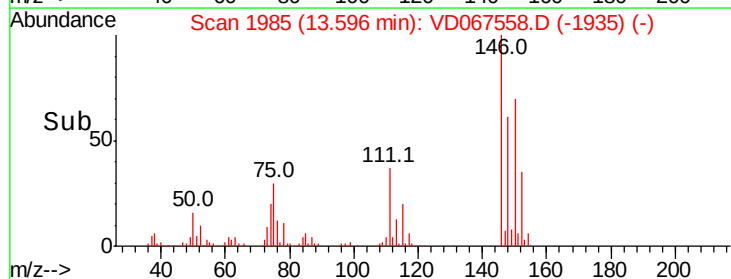
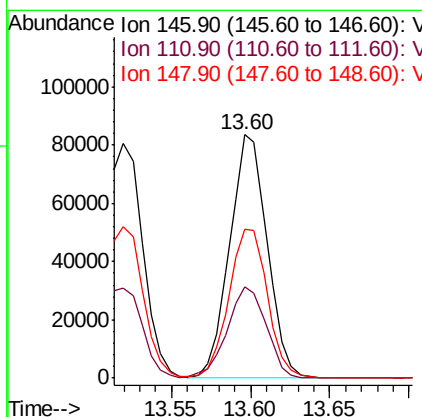
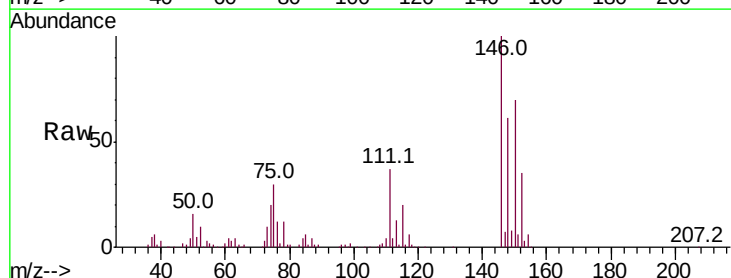
Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.3	60.8
148	66.0	31.9	95.9

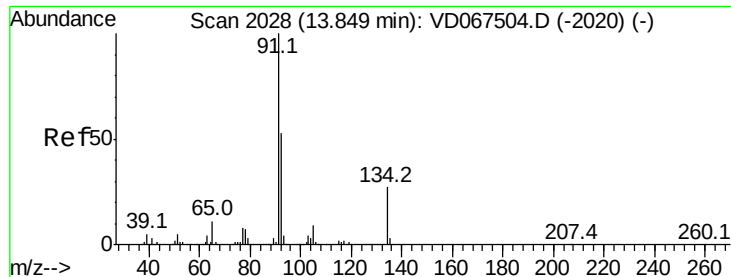


#88
 1,4-Dichlorobenzene
 Concen: 22.780 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD067558.D
 Acq: 09 Nov 2020 11:45

Tgt Ion:146 Resp: 136936

Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.6	58.7
148	63.2	31.8	95.4

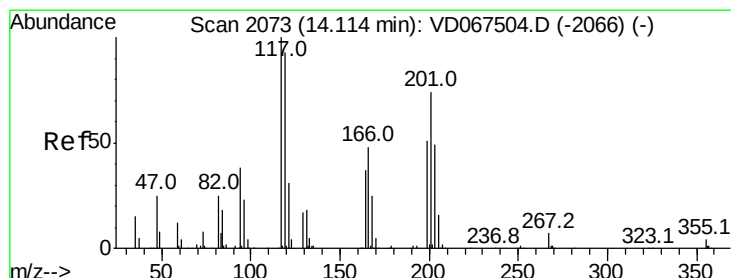
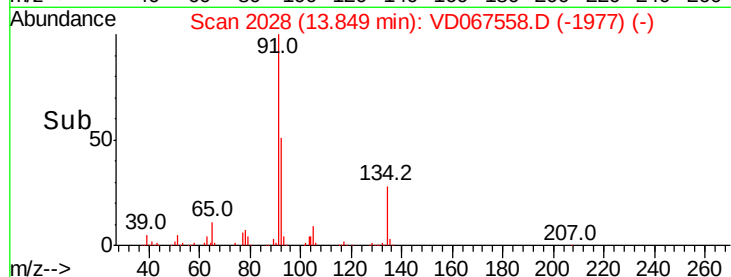
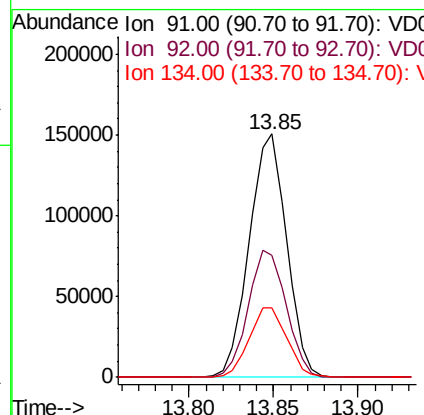
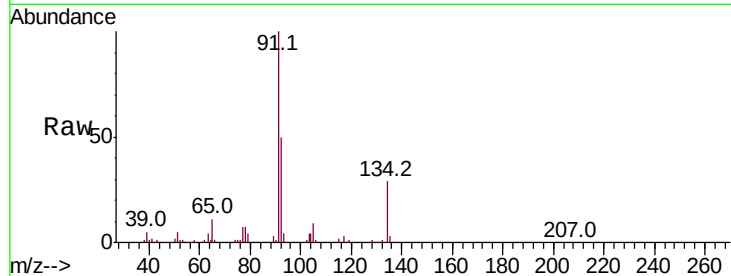




#89
n-Butylbenzene
Concen: 22.490 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

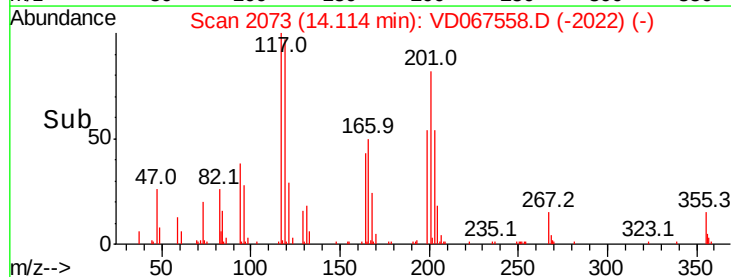
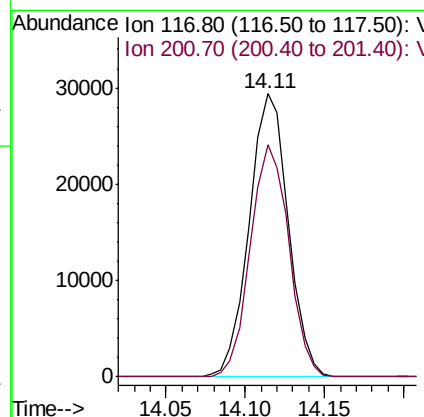
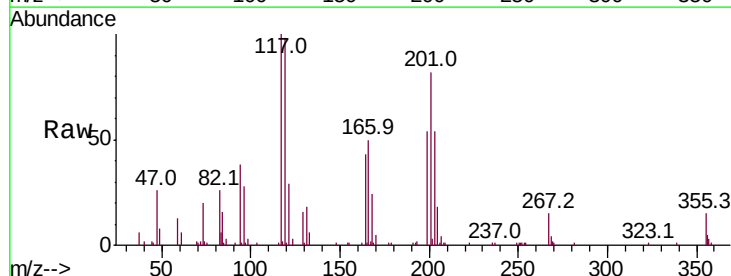
Instrument :
MSVOA_D
ClientSampleId :

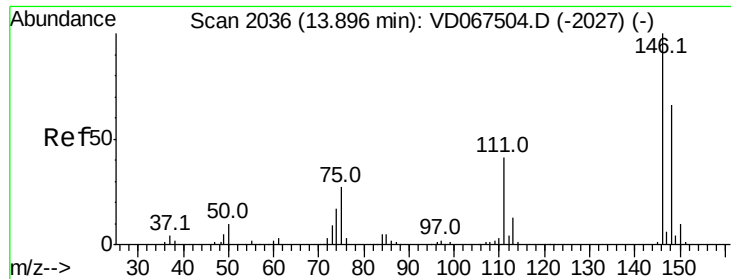
Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.6	79.8
134	29.1	14.1	42.2



#90
Hexachloroethane
Concen: 22.357 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD067558.D
Acq: 09 Nov 2020 11:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.7	40.7	122.1

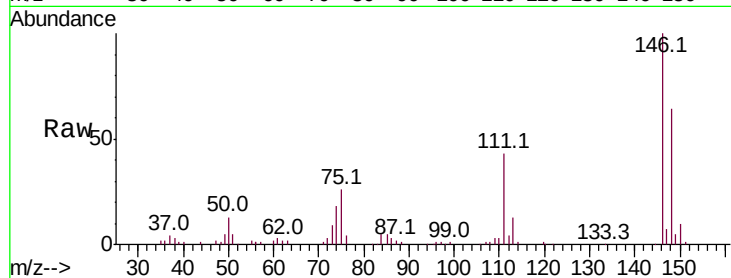




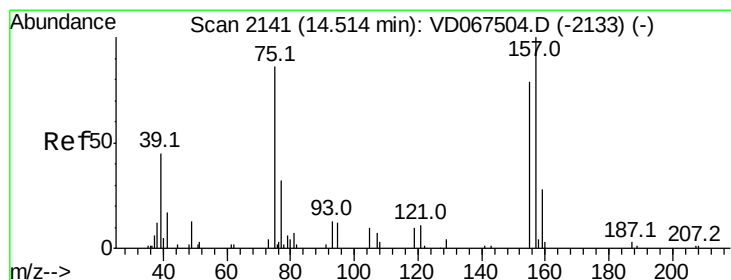
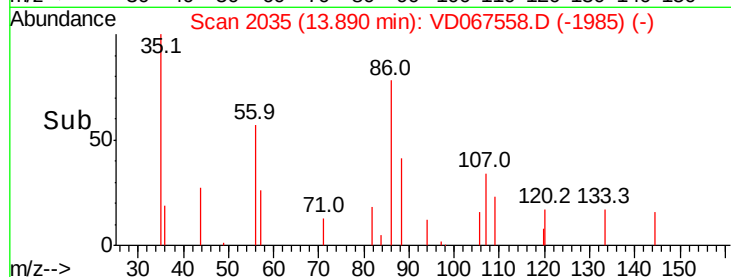
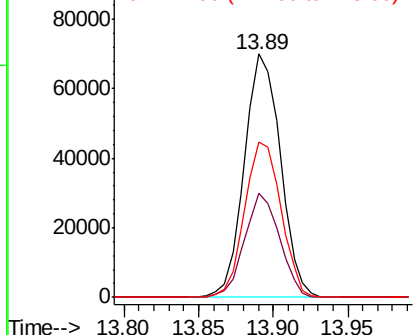
#91
 1,2-Dichlorobenzene
 Concen: 22.755 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD067558.D
 Acq: 09 Nov 2020 11:45

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:146 Resp: 116913
 Ion Ratio Lower Upper
 146 100
 111 41.5 20.7 62.1
 148 64.6 31.5 94.5

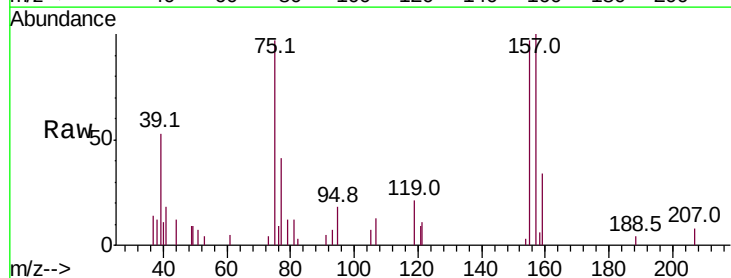


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

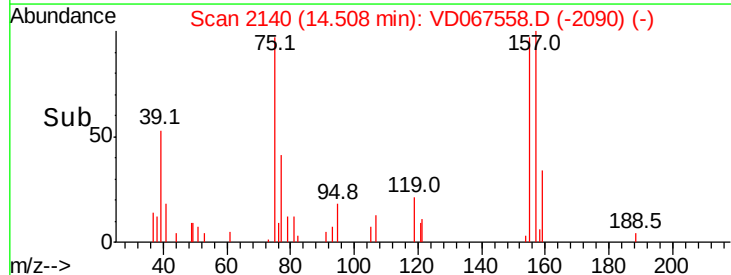
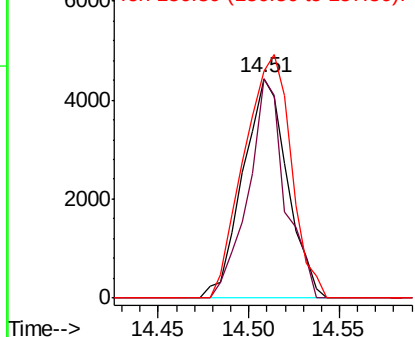


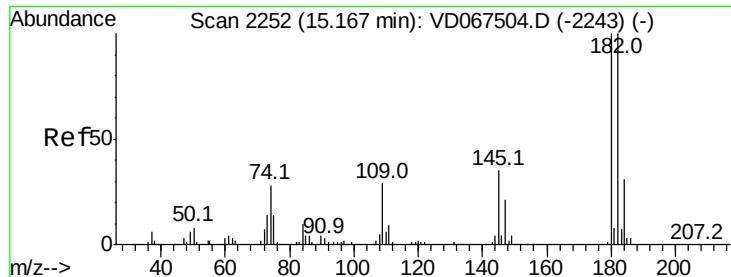
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.629 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067558.D
 Acq: 09 Nov 2020 11:45

Tgt Ion: 75 Resp: 7533
 Ion Ratio Lower Upper
 75 100
 155 83.4 46.6 139.8
 157 118.0 58.1 174.2



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: 23.352 ug/l

RT: 15.17 min Scan# 2252

Delta R.T. -0.00 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampleId :

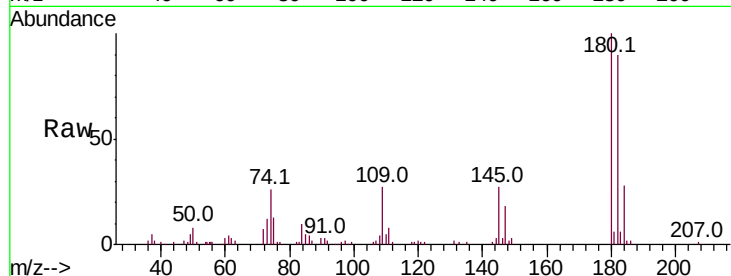
Tot Ion:180 Resp: 81432

Ion Ratio Lower Upper

180 100

182 93.7 47.4 142.3

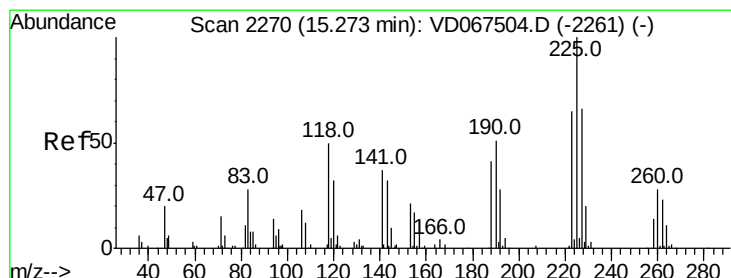
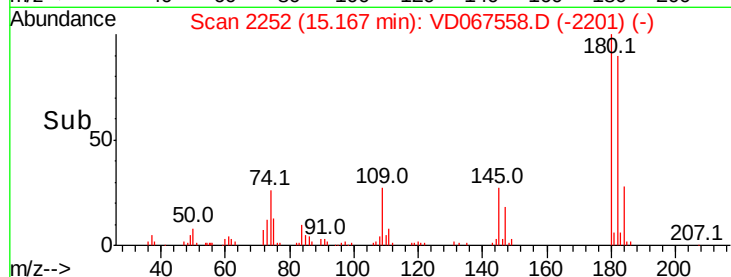
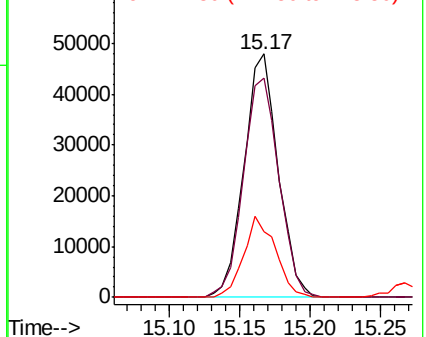
145 31.0 16.2 48.6



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: 22.741 ug/l

RT: 15.27 min Scan# 2270

Delta R.T. -0.00 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

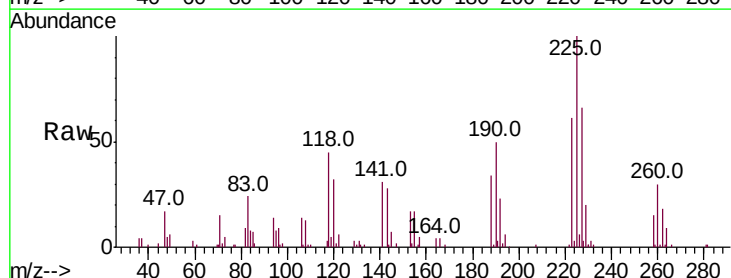
Tgt Ion:225 Resp: 53074

Ion Ratio Lower Upper

225 100

223 62.2 31.9 95.5

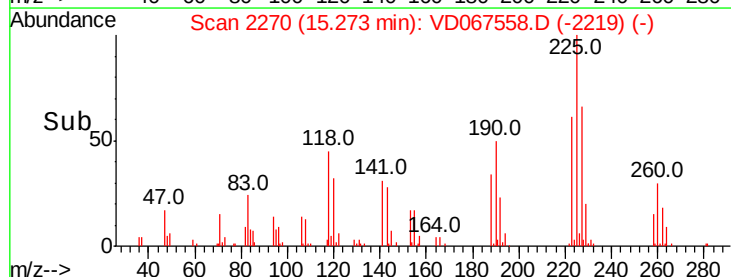
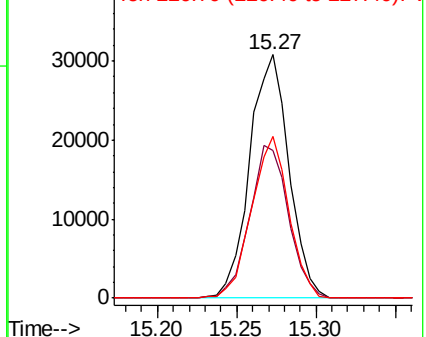
227 63.2 32.5 97.4

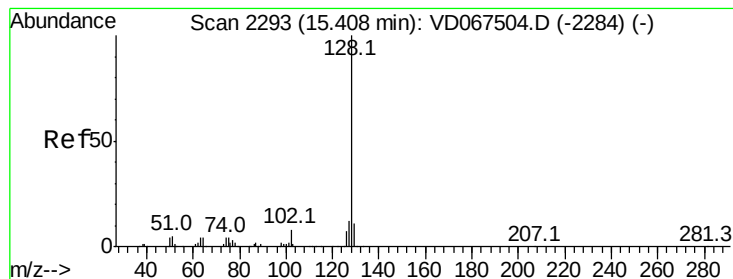


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 23.112 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

Instrument :

MSVOA_D

ClientSampled :

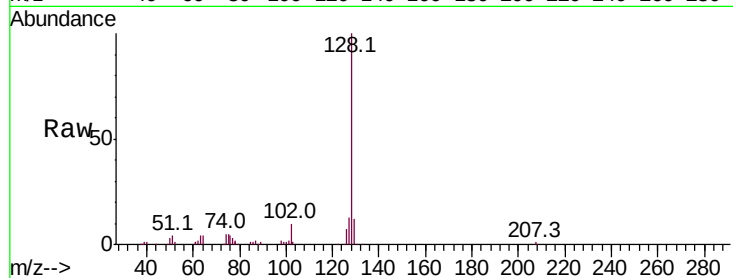
Tot Ion:128 Resp: 124380

Ion Ratio Lower Upper

128 100

127 13.6 10.2 15.4

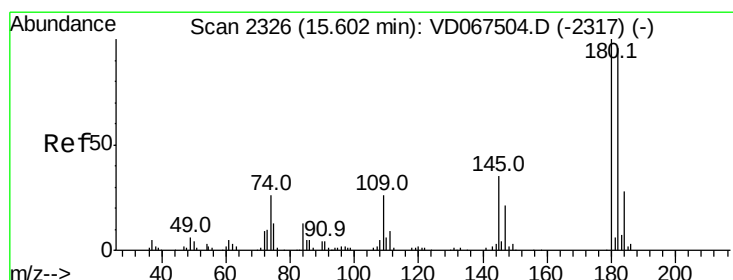
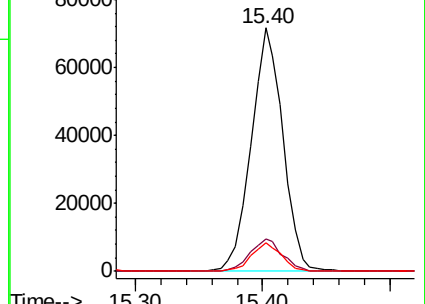
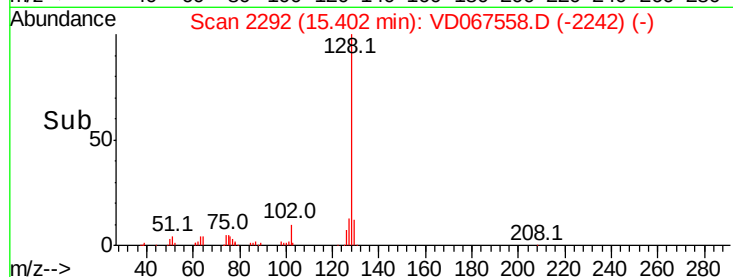
129 11.0 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 23.144 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. -0.01 min

Lab File: VD067558.D

Acq: 09 Nov 2020 11:45

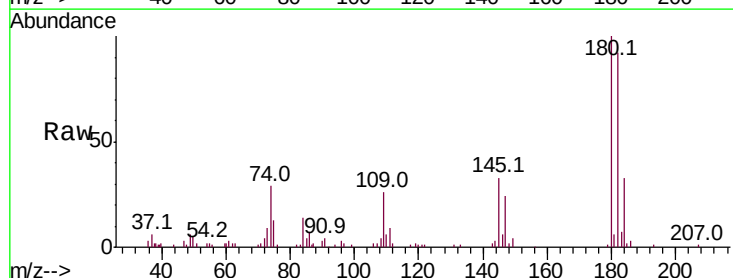
Tgt Ion:180 Resp: 69113

Ion Ratio Lower Upper

180 100

182 94.3 46.9 140.8

145 33.2 17.1 51.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

