

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110620\
 Data File : VD067550.D
 Acq On : 06 Nov 2020 14:11
 Operator : VA/SY
 Sample : VD1106SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1106SBS01

Quant Time: Nov 06 23:29:19 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	291128	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	440703	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	398629	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	199558	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	127766	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	
35) Dibromofluoromethane	7.91	113	127503	48.02	ug/l	0.00
Spiked Amount			Recovery	=	96.04%	
50) Toluene-d8	10.34	98	438847	47.03	ug/l	0.00
Spiked Amount			Recovery	=	94.06%	
62) 4-Bromofluorobenzene	12.64	95	158231	49.12	ug/l	0.00
Spiked Amount			Recovery	=	98.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	59191	22.627	ug/l	99
3) Chloromethane	2.21	50	38921	21.469	ug/l	95
4) Vinyl Chloride	2.35	62	42070	20.814	ug/l	97
5) Bromomethane	2.76	94	35517	21.680	ug/l	89
6) Chloroethane	2.91	64	25791	20.697	ug/l	92
7) Trichlorofluoromethane	3.27	101	108418	20.716	ug/l	88
8) Diethyl Ether	3.71	74	23237	22.035	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	56110	21.240	ug/l	97
10) Methyl Iodide	4.30	142	52895	18.682	ug/l #	96
11) Tert butyl alcohol	5.21	59	17072	147.329	ug/l	98
12) 1,1-Dichloroethene	4.07	96	51491	21.191	ug/l	97
13) Acrolein	3.92	56	6073	76.006	ug/l	99
14) Allyl chloride	4.71	41	53397	20.533	ug/l	98
15) Acrylonitrile	5.41	53	46030	118.082	ug/l	98
16) Acetone	4.16	43	37379	98.125	ug/l	92
17) Carbon Disulfide	4.40	76	153724	20.646	ug/l #	95
18) Methyl Acetate	4.70	43	20425	25.947	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	109311	22.806	ug/l	95
20) Methylene Chloride	4.96	84	69858	25.961	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	60477	21.369	ug/l	96
22) Diisopropyl ether	6.36	45	115614	22.813	ug/l	96
23) Vinyl Acetate	6.31	43	296814	111.888	ug/l	98
24) 1,1-Dichloroethane	6.26	63	89097	21.490	ug/l	94
25) 2-Butanone	7.21	43	46175	113.441	ug/l	92
26) 2,2-Dichloropropane	7.21	77	91325	20.871	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	63766	21.707	ug/l	98
28) Bromochloromethane	7.54	49	29941	20.303	ug/l	99
29) Tetrahydrofuran	7.57	42	29510	121.033	ug/l	99
30) Chloroform	7.71	83	112512	22.747	ug/l	99
31) Cyclohexane	7.99	56	71551	19.380	ug/l #	84
32) 1,1,1-Trichloroethane	7.90	97	111284	21.806	ug/l	99
36) 1,1-Dichloropropene	8.11	75	75991	20.144	ug/l	98
37) Ethyl Acetate	7.29	43	22166	22.633	ug/l #	75
38) Carbon Tetrachloride	8.10	117	104459	21.312	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	84814	19.102	ug/l	97
40) Benzene	8.35	78	218241	21.358	ug/l	97
41) Methacrylonitrile	7.52	41	9309	15.902	ug/l #	69
42) 1,2-Dichloroethane	8.43	62	70266	22.256	ug/l	100
43) Isopropyl Acetate	8.45	43	43766	22.596	ug/l	99
44) Trichloroethene	9.11	130	70342	20.936	ug/l	98
45) 1,2-Dichloropropane	9.39	63	49232	22.284	ug/l	95
46) Dibromomethane	9.48	93	30890	21.990	ug/l	96
47) Bromodichloromethane	9.67	83	84306	22.081	ug/l	100
48) Methyl methacrylate	9.46	41	22485	22.484	ug/l	99
49) 1,4-Dioxane	9.47	88	6336	444.308	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	107875	116.455	ug/l	95
52) Toluene	10.41	92	153705	22.458	ug/l	96
53) t-1,3-Dichloropropene	10.62	75	75206	22.999	ug/l	93
54) cis-1,3-Dichloropropene	10.10	75	82663	21.277	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	41561	22.361	ug/l	96
56) Ethyl methacrylate	10.67	69	41383	21.561	ug/l	99
57) 1,3-Dichloropropane	10.96	76	68384	22.864	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	102488	114.506	ug/l	99
59) 2-Hexanone	10.99	43	71968	111.115	ug/l	98
60) Dibromochloromethane	11.14	129	64671	23.522	ug/l	99
61) 1,2-Dibromoethane	11.25	107	41881	22.452	ug/l	99
64) Tetrachloroethene	10.88	164	64362	21.801	ug/l	92
65) Chlorobenzene	11.67	112	165955	21.612	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	67755	22.388	ug/l	99
67) Ethyl Benzene	11.75	91	289042	21.998	ug/l	98
68) m/p-Xylenes	11.86	106	222693	43.563	ug/l	100
69) o-Xylene	12.19	106	101269	22.188	ug/l	98
70) Styrene	12.20	104	176114	22.144	ug/l	99
71) Bromoform	12.36	173	36215	23.463	ug/l #	98
73) Isopropylbenzene	12.48	105	277556	21.521	ug/l	100
74) N-amyl acetate	12.30	43	36982	21.792	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	39889	22.681	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	58849	48.884	ug/l #	100
77) Bromobenzene	12.77	156	68029	21.478	ug/l	96
78) n-propylbenzene	12.83	91	315963	21.418	ug/l	99
79) 2-Chlorotoluene	12.91	91	183257	21.869	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	243018	22.058	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	12886	21.732	ug/l	95
82) 4-Chlorotoluene	13.01	91	196811	21.898	ug/l	99
83) tert-Butylbenzene	13.23	119	200423	21.465	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	237844	21.688	ug/l	100
85) sec-Butylbenzene	13.41	105	270972	21.497	ug/l	100
86) p-Isopropyltoluene	13.52	119	255332	20.977	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	134989	22.335	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	135614	22.160	ug/l	99
89) n-Butylbenzene	13.85	91	215256	20.474	ug/l	99
90) Hexachloroethane	14.11	117	47756	20.834	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	115068	21.999	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7868	25.268	ug/l	93

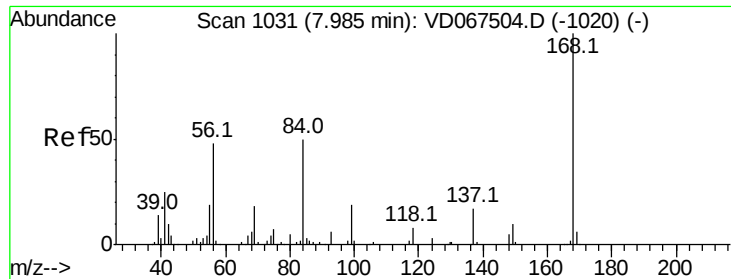
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD110620\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 04 00:56:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	78913	22.228	ug/l	96
94) Hexachlorobutadiene	15.27	225	48617	20.462	ug/l	98
95) Naphthalene	15.40	128	128512	23.456	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	67359	22.157	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

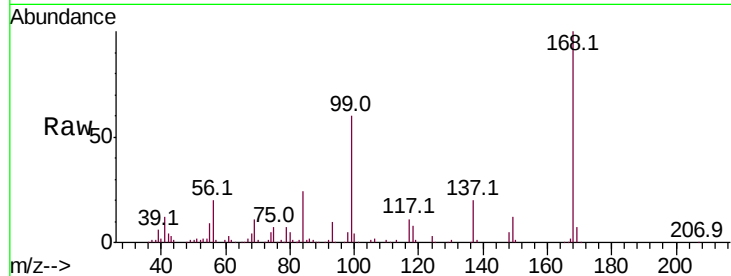
VD1106SBSD01

Tot Ion:168 Resp: 291128

Ion Ratio Lower Upper

168 100

99 59.6 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

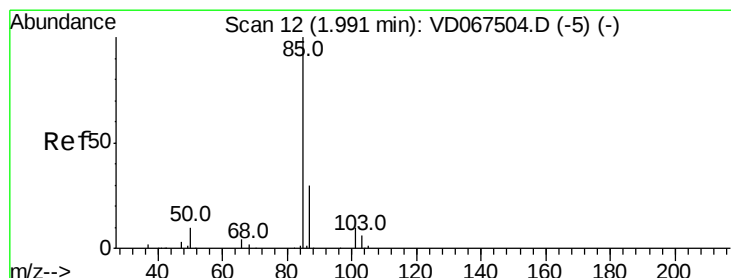
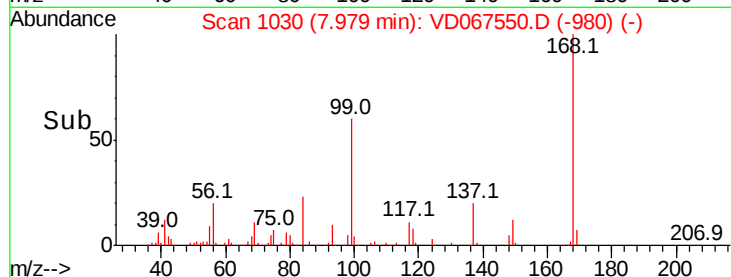
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.627 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067550.D

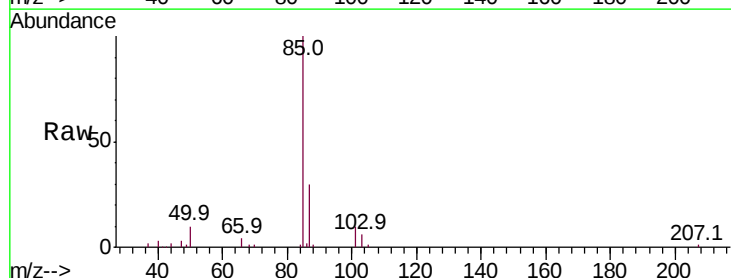
Acq: 06 Nov 2020 14:11

Tgt Ion: 85 Resp: 59191

Ion Ratio Lower Upper

85 100

87 30.2 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

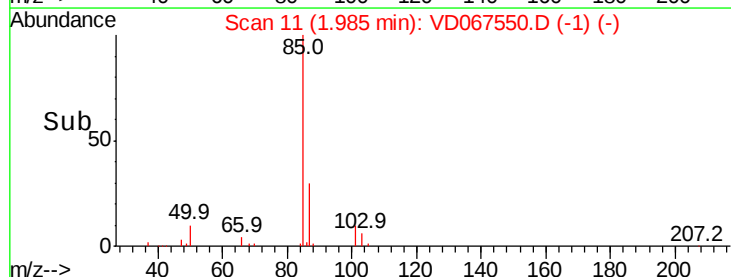
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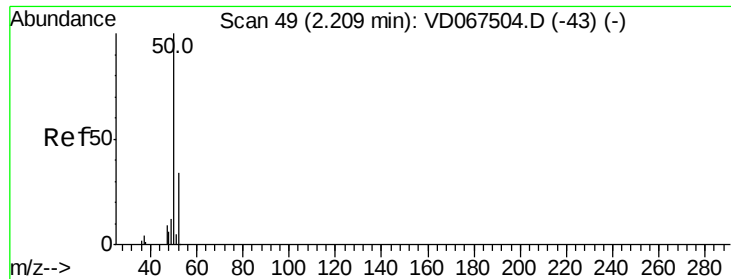
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 21.469 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

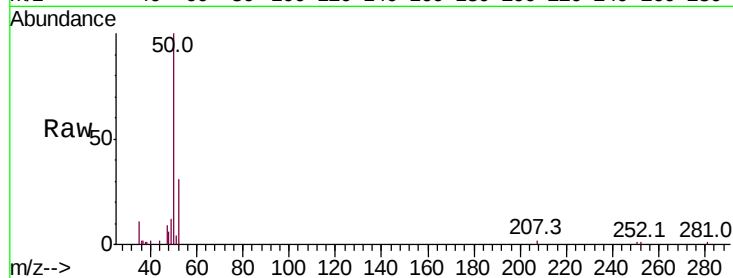
VD1106SBSD01

Tot Ion: 50 Resp: 38921

Ion Ratio Lower Upper

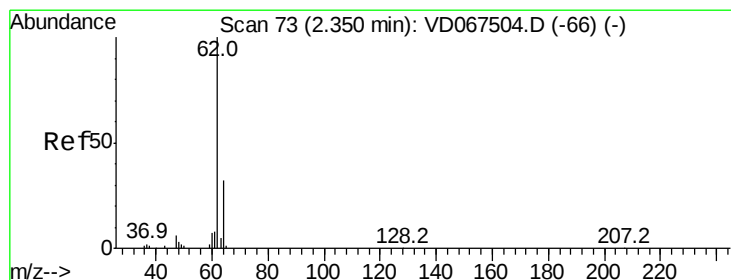
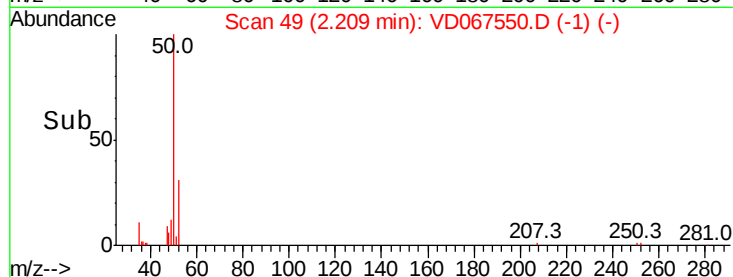
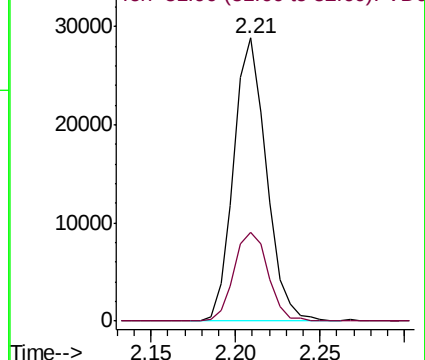
50 100

52 31.5 27.3 40.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.814 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067550.D

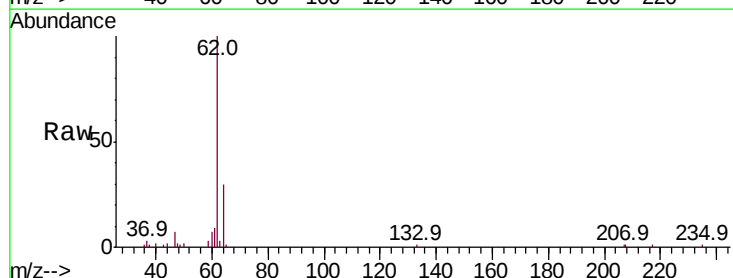
Acq: 06 Nov 2020 14:11

Tgt Ion: 62 Resp: 42070

Ion Ratio Lower Upper

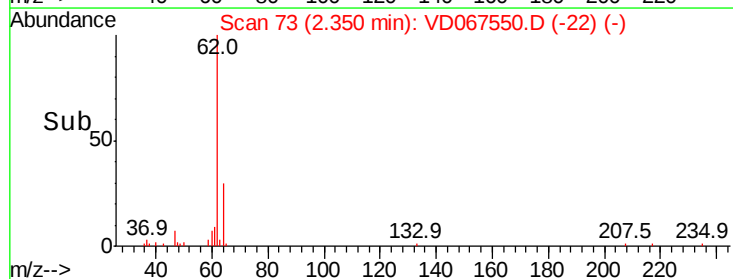
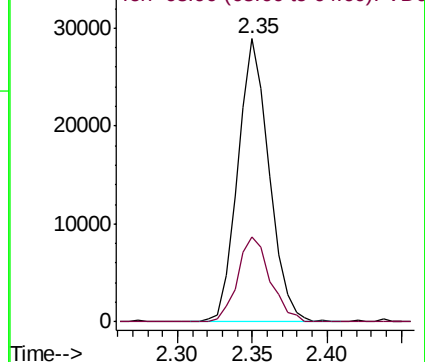
62 100

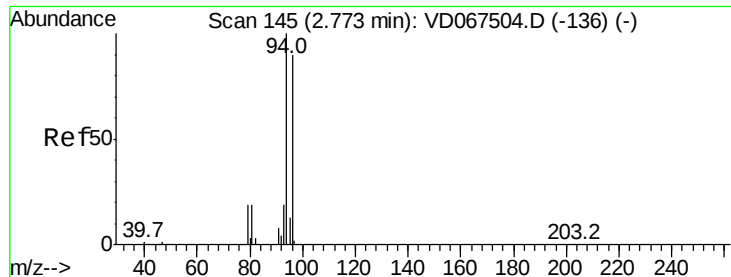
64 30.2 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.680 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

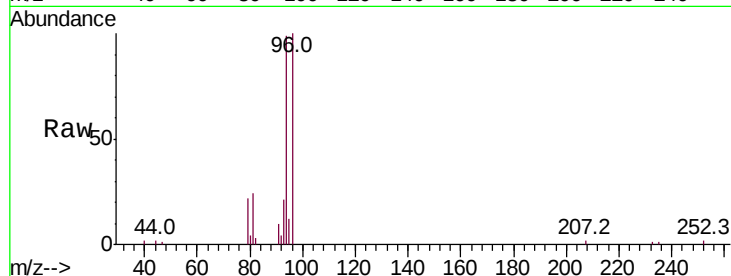
VD1106SBS01

Tot Ion: 94 Resp: 35517

Ion Ratio Lower Upper

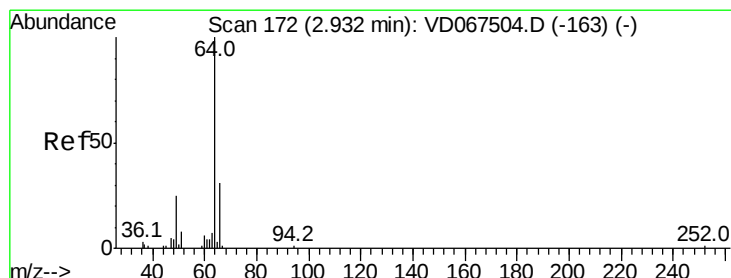
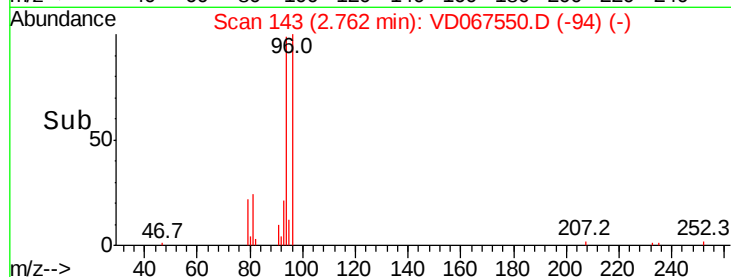
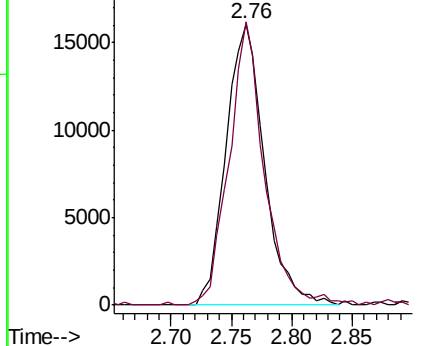
94 100

96 100.7 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: 20.697 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.02 min

Lab File: VD067550.D

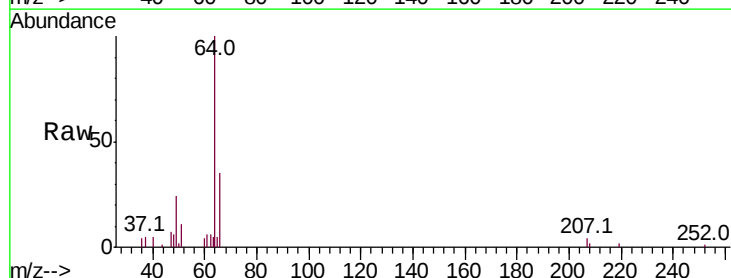
Acq: 06 Nov 2020 14:11

Tgt Ion: 64 Resp: 25791

Ion Ratio Lower Upper

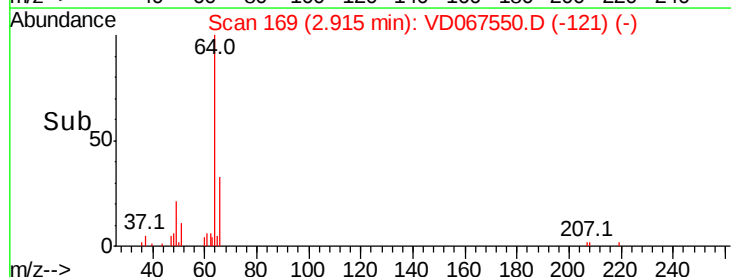
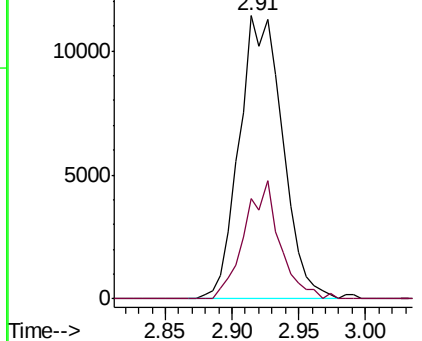
64 100

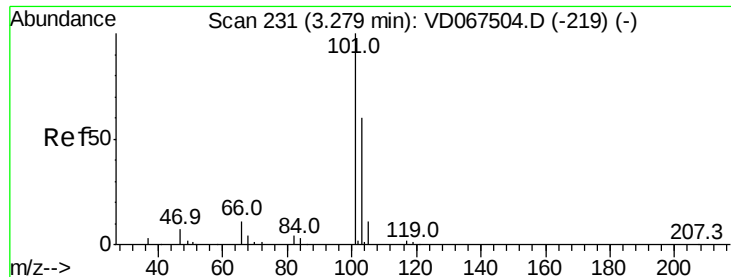
66 35.4 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



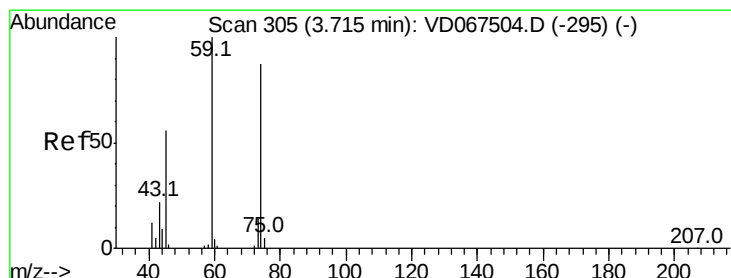
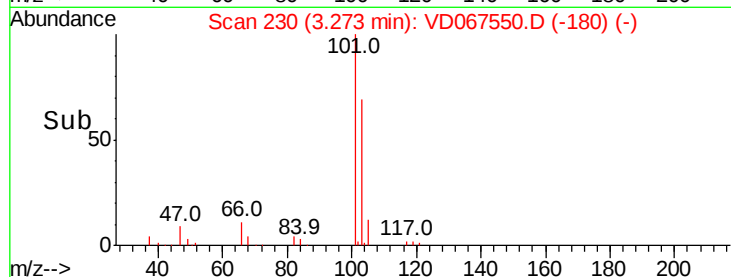
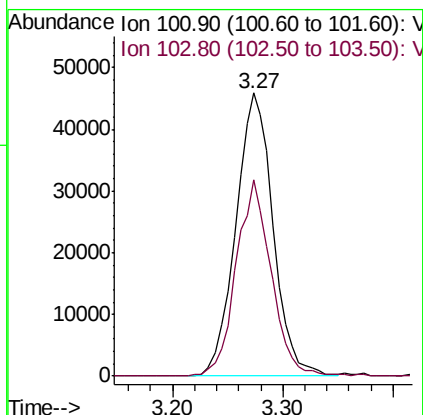
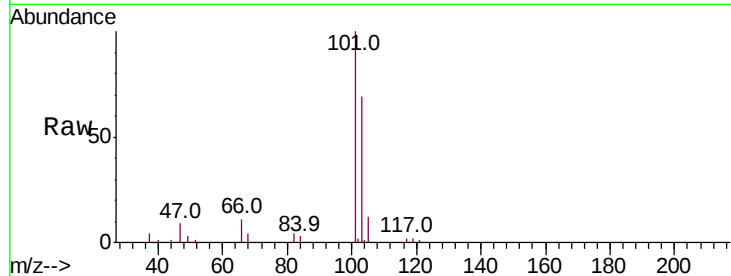


#7

Trichlorofluoromethane
 Concen: 20.716 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.01 min
 Lab File: VD067550.D
 Acq: 06 Nov 2020 14:11

Instrument :
 MSVOA_D
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 VD1106SBSD01

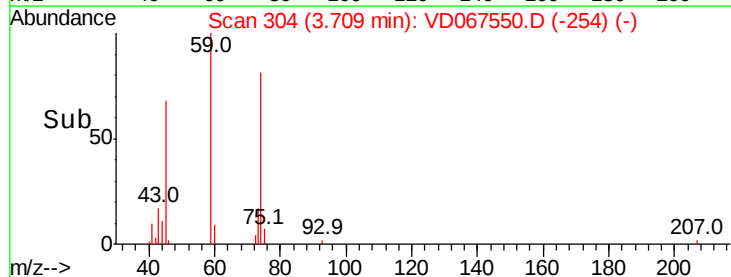
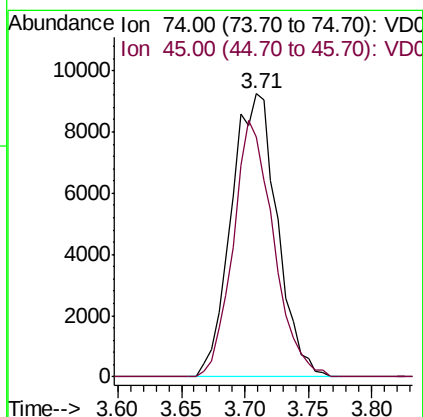
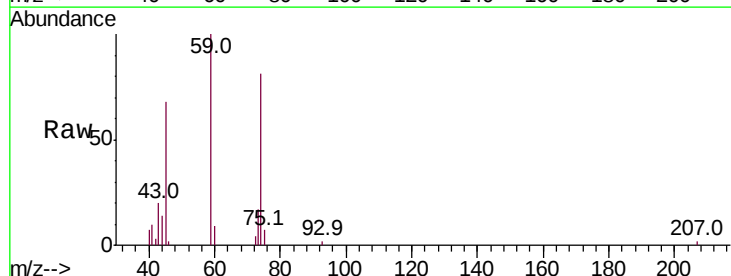
Tot Ion:101 Resp: 108418
 Ion Ratio Lower Upper
 101 100
 103 69.5 48.1 72.1

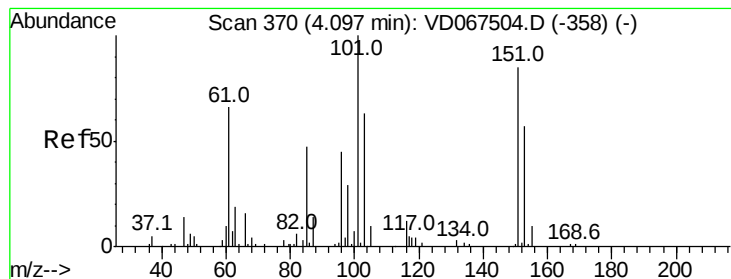


#8

Diethyl Ether
 Concen: 22.035 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.01 min
 Lab File: VD067550.D
 Acq: 06 Nov 2020 14:11

Tgt Ion: 74 Resp: 23237
 Ion Ratio Lower Upper
 74 100
 45 79.7 38.2 114.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.240 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

VD1106SBSD01

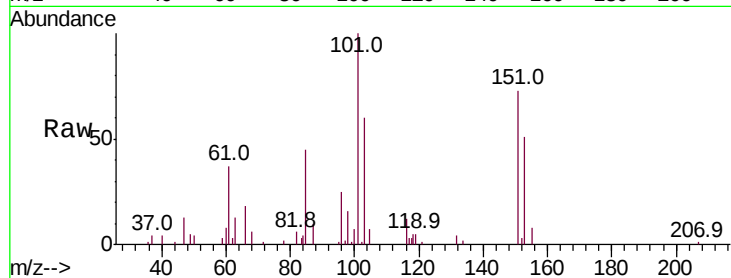
Tot Ion:101 Resp: 56110

Ion Ratio Lower Upper

101 100

85 44.1 34.4 51.6

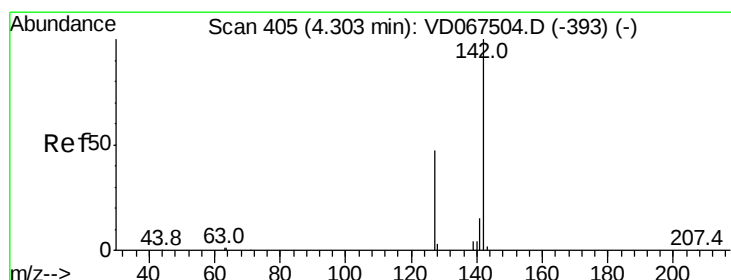
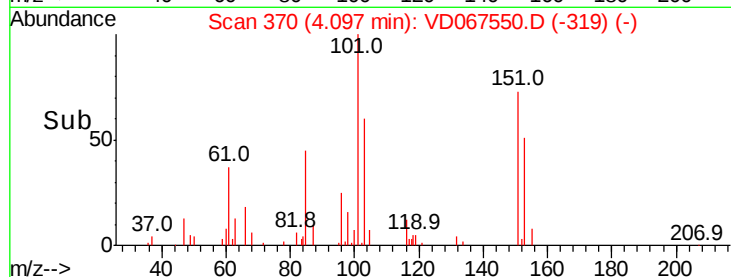
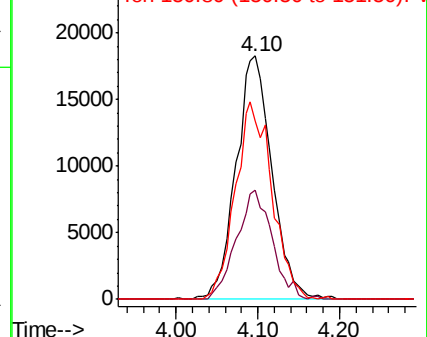
151 82.4 68.1 102.1



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: 18.682 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

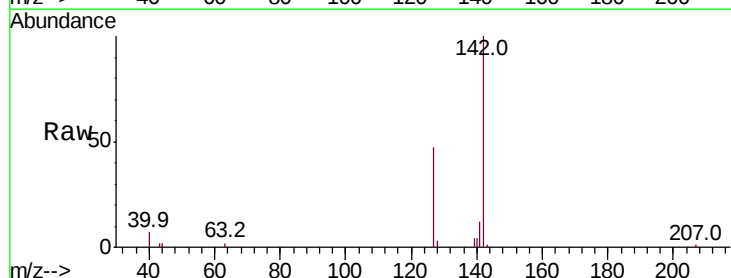
Tgt Ion:142 Resp: 52895

Ion Ratio Lower Upper

142 100

127 50.1 40.0 60.0

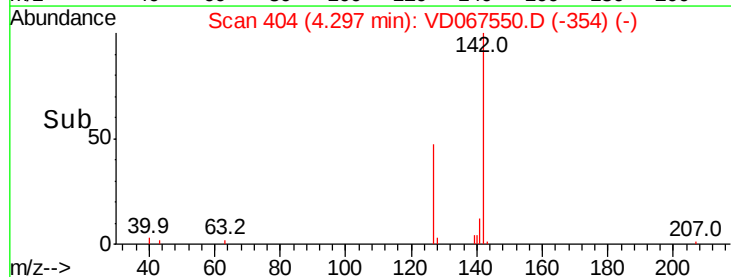
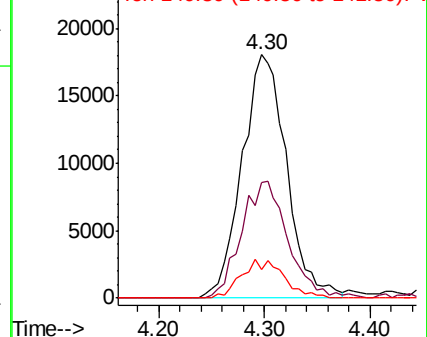
141 7.5 11.7 17.5#

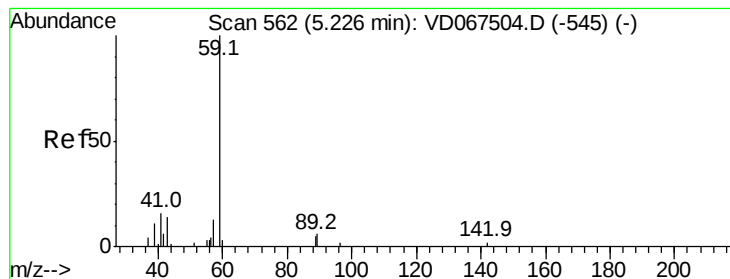


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



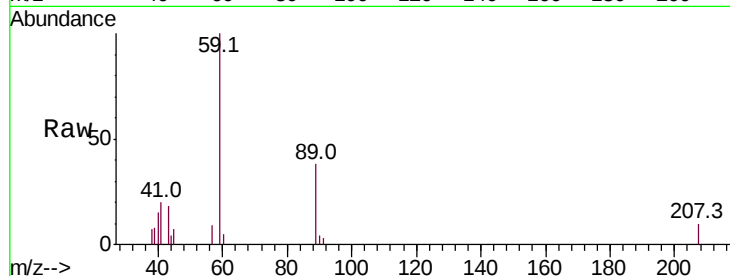


#11

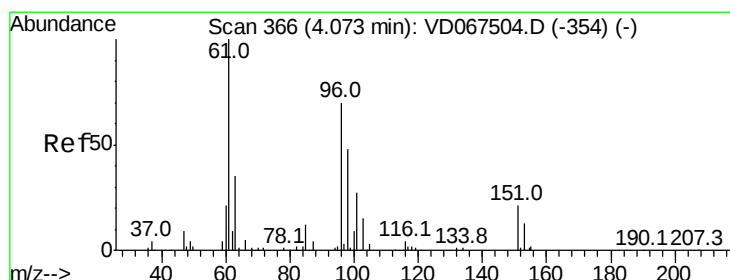
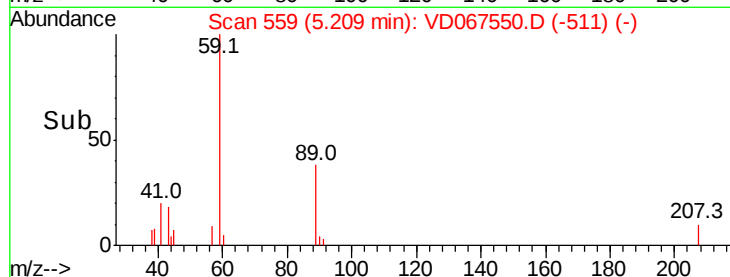
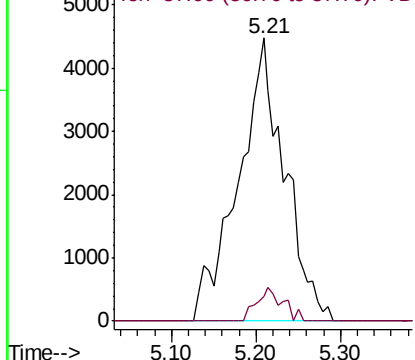
Tert butyl alcohol
 Concen: 147.329 ug/l
 RT: 5.21 min Scan# 559
 Delta R.T. -0.02 min
 Lab File: VD067550.D
 Acq: 06 Nov 2020 14:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1106SBS01

Tot Ion: 59 Resp: 17072
 Ion Ratio Lower Upper
 59 100
 57 6.7 5.9 8.9



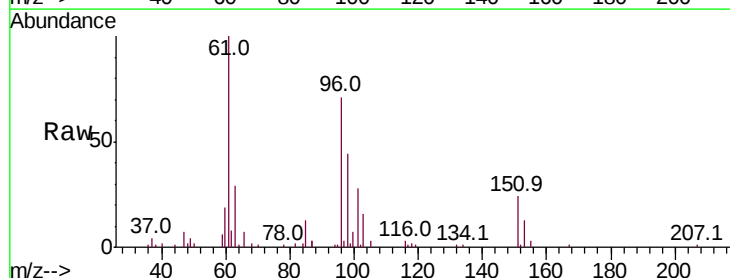
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



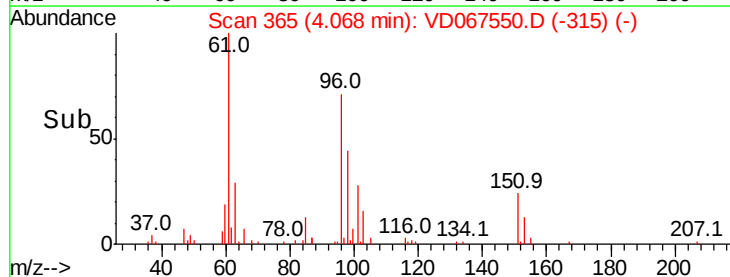
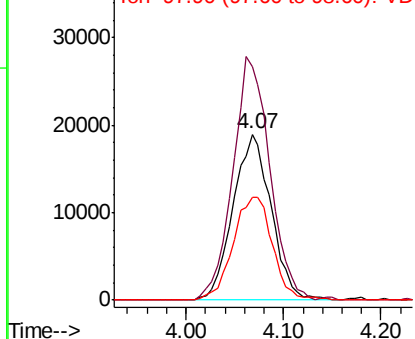
#12

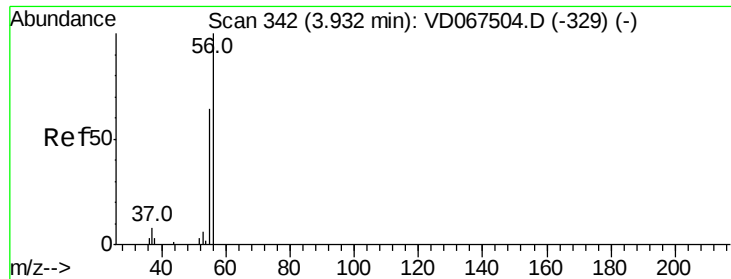
1,1-Dichloroethene
 Concen: 21.191 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. -0.01 min
 Lab File: VD067550.D
 Acq: 06 Nov 2020 14:11

Tgt Ion: 96 Resp: 51491
 Ion Ratio Lower Upper
 96 100
 61 141.1 114.5 171.7
 98 62.2 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: 76.006 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

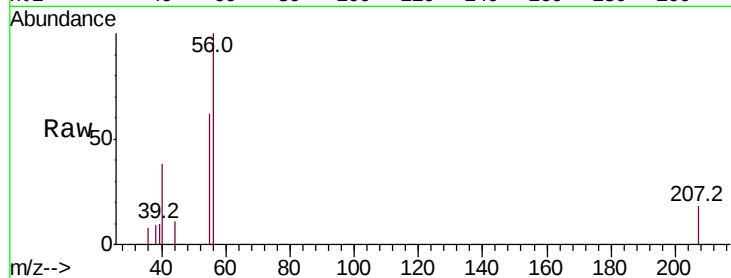
VD1106SBSD01

Tot Ion: 56 Resp: 6073

Ion Ratio Lower Upper

56 100

55 70.9 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

2500

2000

1500

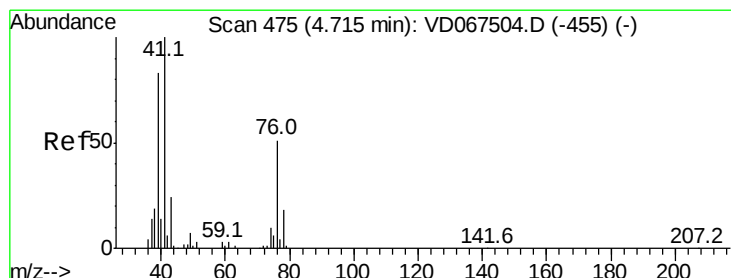
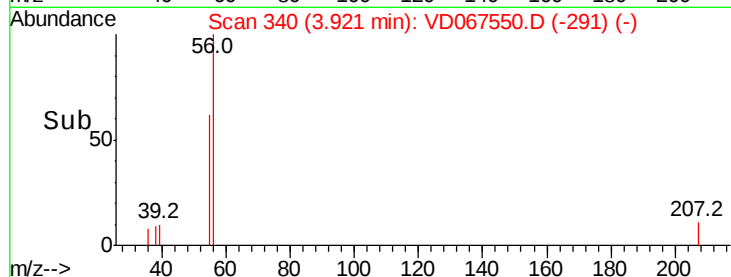
1000

500

0

Time-->

3.85 3.90 3.95 4.00



#14

Allyl chloride

Concen: 20.533 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

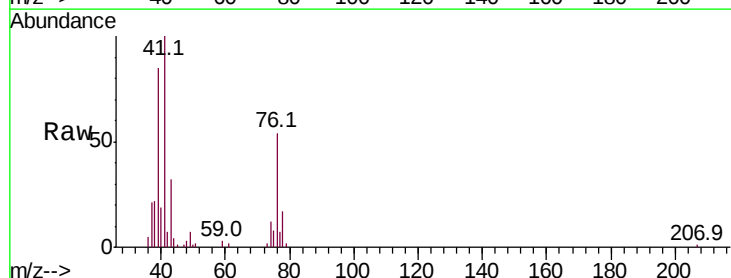
Tgt Ion: 41 Resp: 53397

Ion Ratio Lower Upper

41 100

39 81.6 67.4 101.0

76 52.8 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

4.71

20000

15000

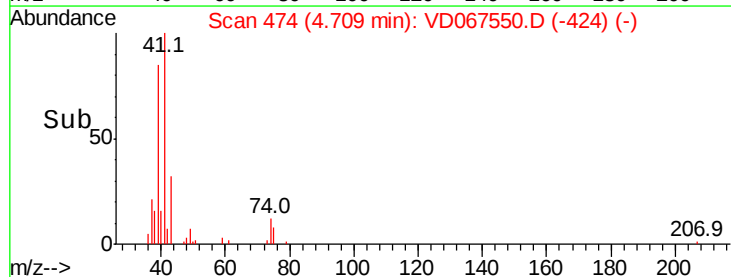
10000

5000

0

Time-->

4.60 4.70 4.80





#15

Acrylonitrile

Concen: 118.082 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.02 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

VD1106SBSD01

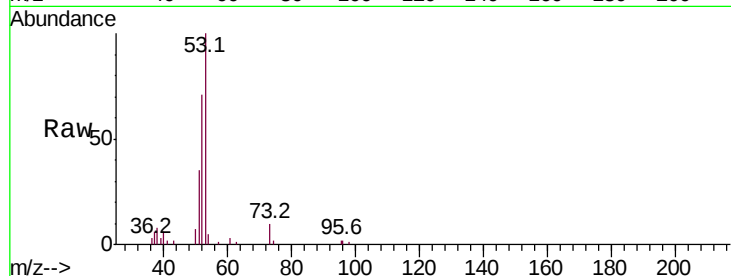
Tot Ion: 53 Resp: 46030

Ion Ratio Lower Upper

53 100

52 79.3 64.8 97.2

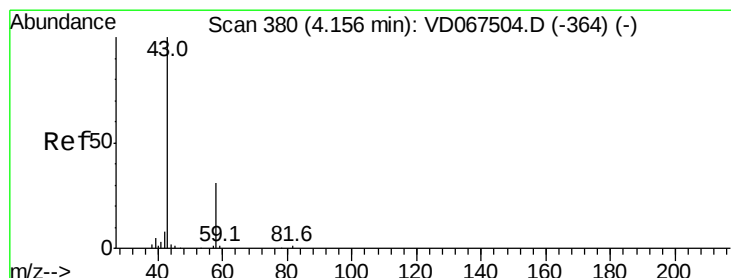
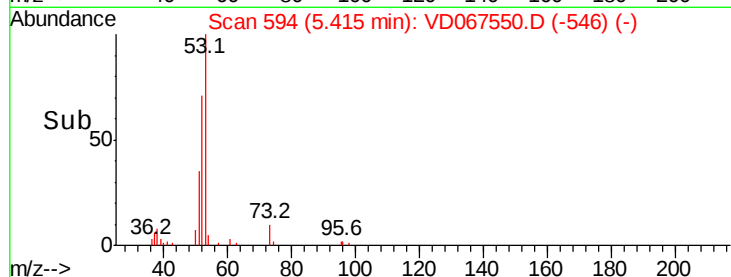
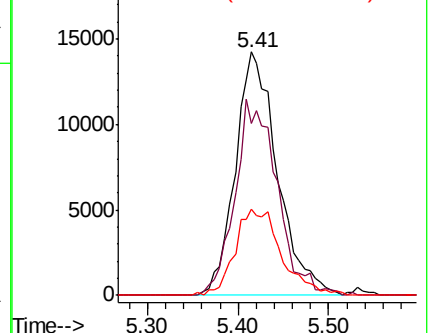
51 38.9 29.5 44.3



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: 98.125 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067550.D

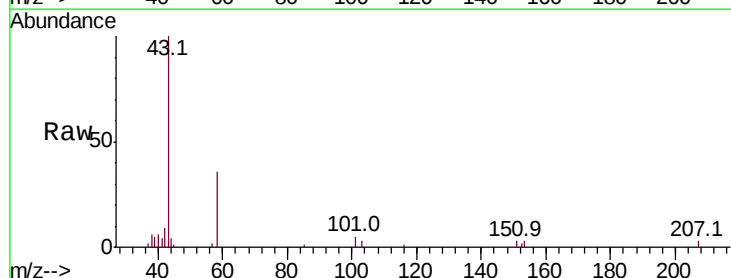
Acq: 06 Nov 2020 14:11

Tgt Ion: 43 Resp: 37379

Ion Ratio Lower Upper

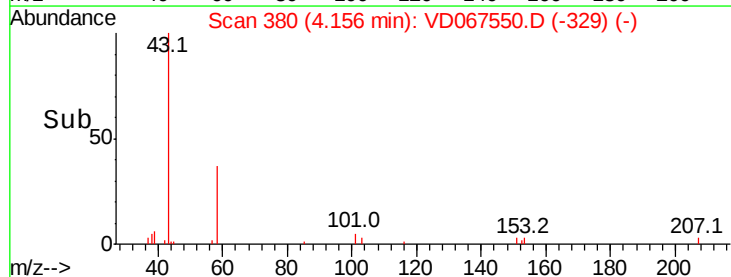
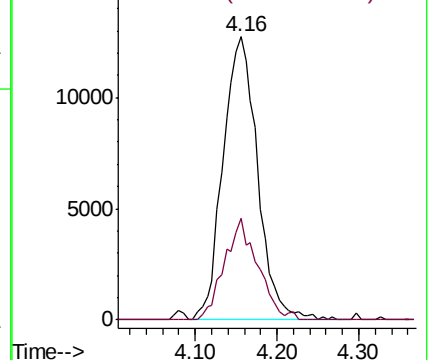
43 100

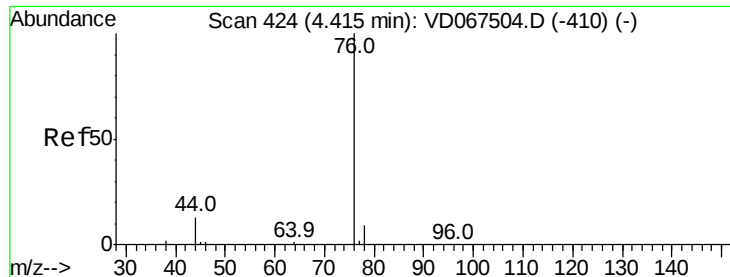
58 36.1 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

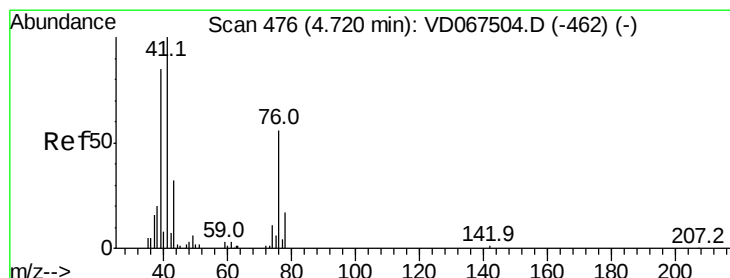
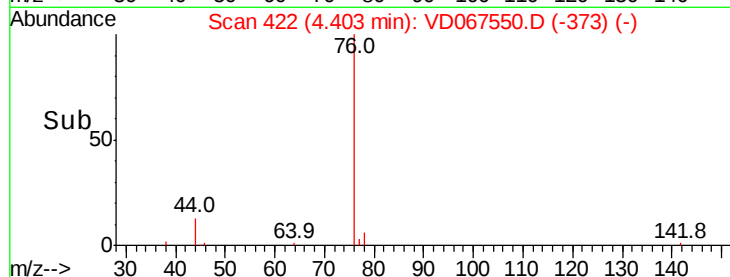
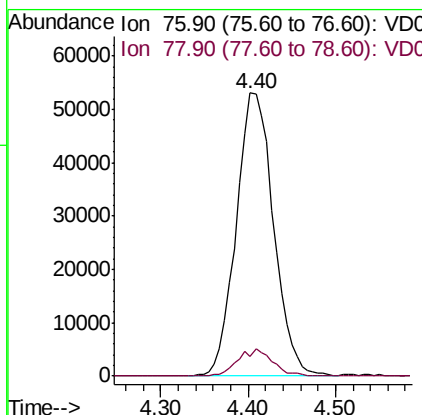
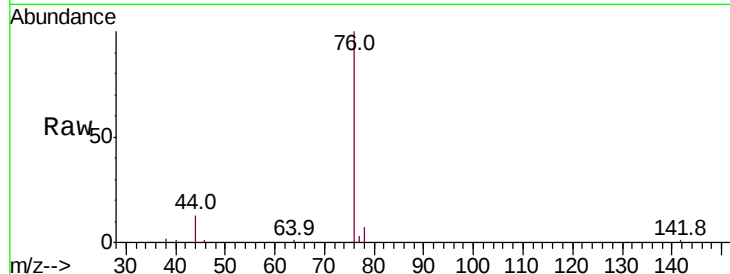




#17
Carbon Disulfide
Concen: 20.646 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

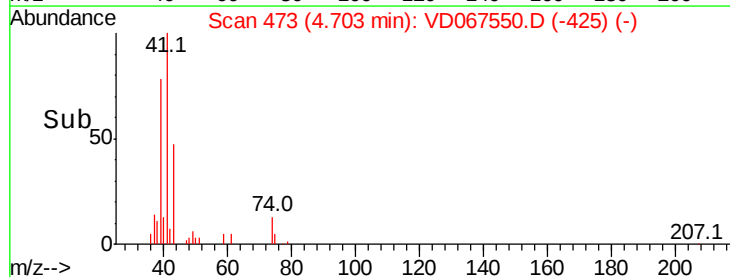
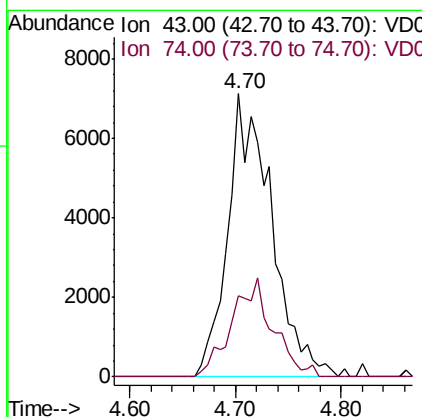
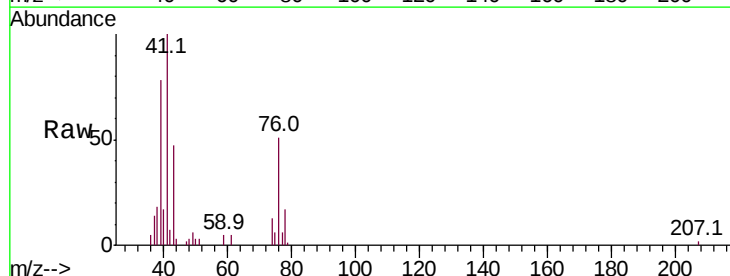
Instrument :
MSVOA_D
ClientSampleId :
VD1106SBSD01

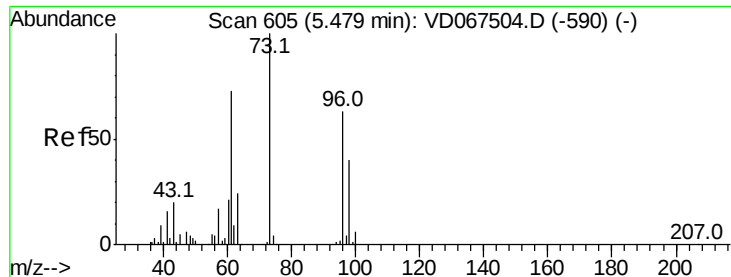
Tot Ion: 76 Resp: 153724
Ion Ratio Lower Upper
76 100
78 7.1 7.2 10.8#



#18
Methyl Acetate
Concen: 25.947 ug/l
RT: 4.70 min Scan# 473
Delta R.T. -0.02 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

Tgt Ion: 43 Resp: 20425
Ion Ratio Lower Upper
43 100
74 33.0 27.2 40.8



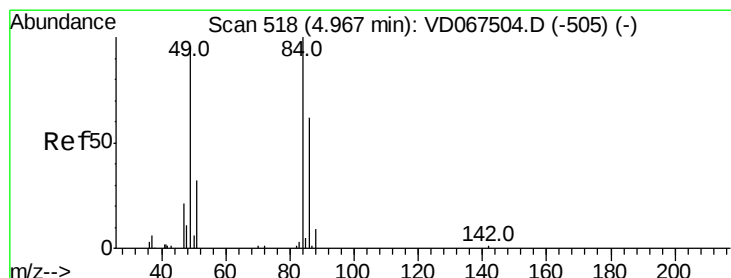
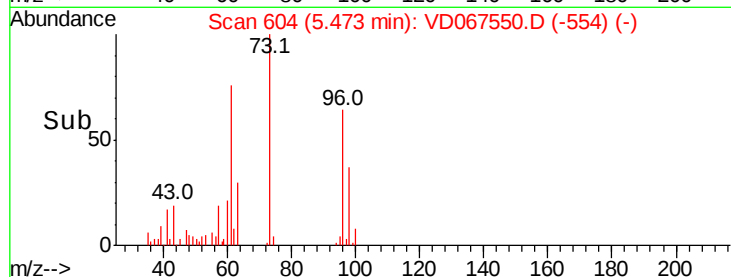
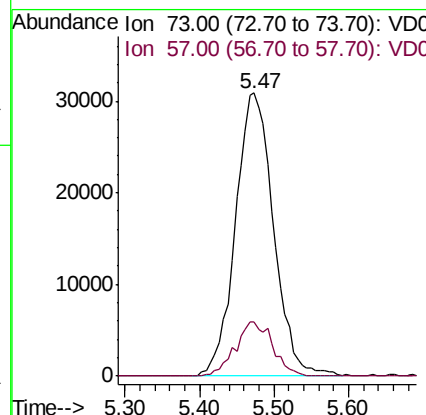
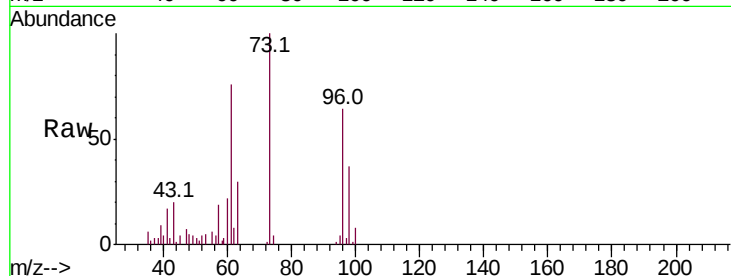


#19

Methyl tert-butyl Ether
 Concen: 22.806 ug/l
 RT: 5.47 min Scan# 604
 Delta R.T. -0.01 min
 Lab File: VD067550.D
 Acq: 06 Nov 2020 14:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1106SBSD01

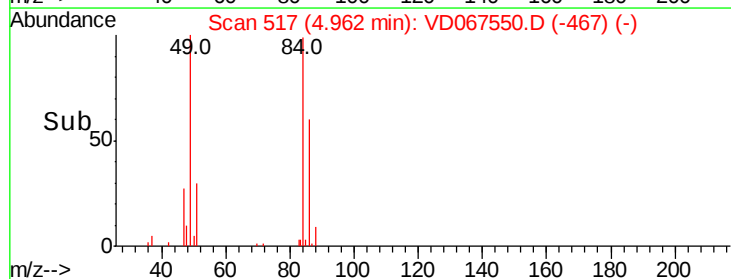
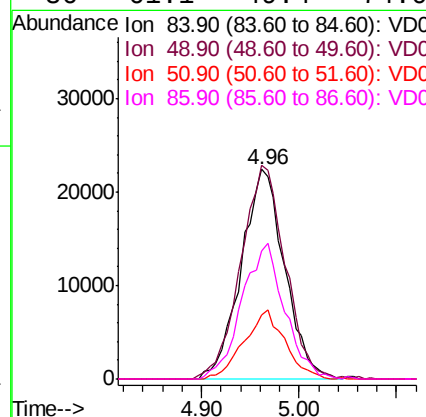
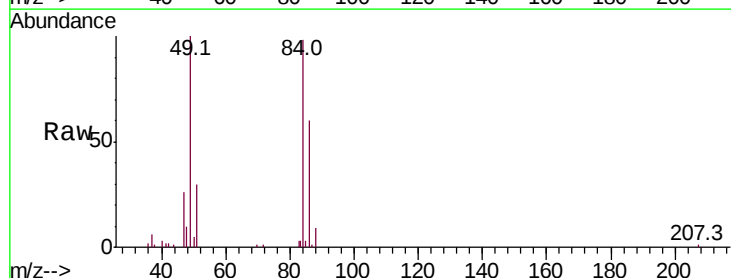
Tot Ion: 73 Resp: 109311
 Ion Ratio Lower Upper
 73 100
 57 19.0 13.4 20.0

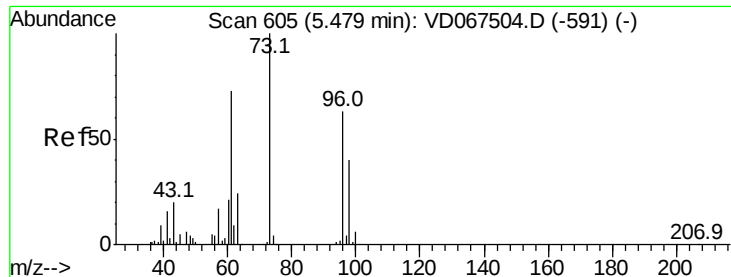


#20

Methylene Chloride
 Concen: 25.961 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD067550.D
 Acq: 06 Nov 2020 14:11

Tgt Ion: 84 Resp: 69858
 Ion Ratio Lower Upper
 84 100
 49 101.9 77.0 115.4
 51 30.6 25.4 38.2
 86 61.1 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 21.369 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

VD1106SBSD01

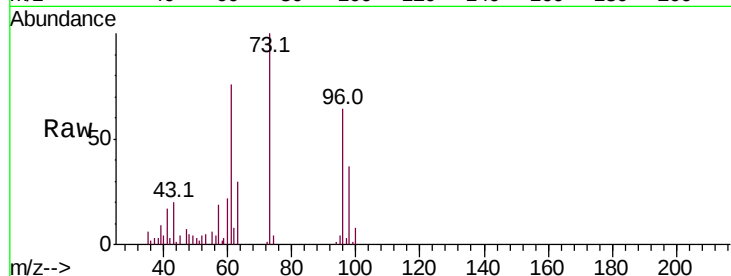
Tot Ion: 96 Resp: 60477

Ion Ratio Lower Upper

96 100

61 117.6 93.0 139.6

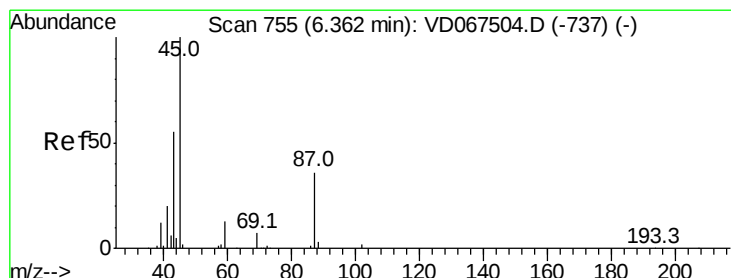
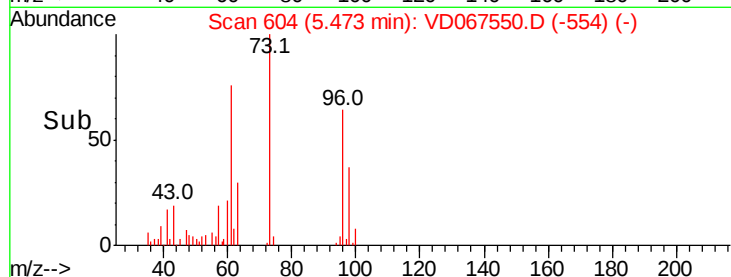
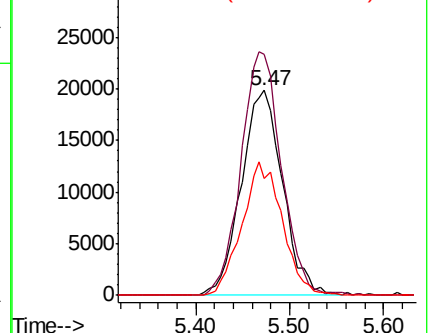
98 57.0 50.9 76.3



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: 22.813 ug/l

RT: 6.36 min Scan# 754

Delta R.T. -0.01 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Tgt Ion: 45 Resp: 115614

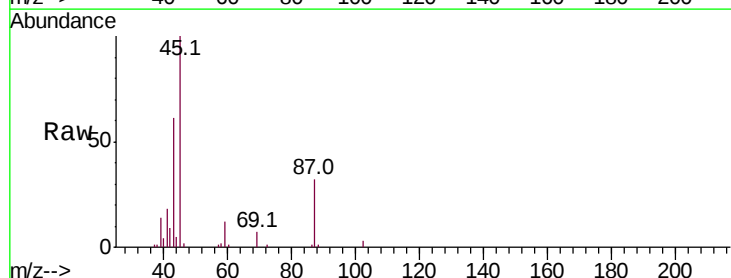
Ion Ratio Lower Upper

45 100

43 59.4 46.2 69.4

87 32.0 29.4 44.2

59 11.7 10.8 16.2

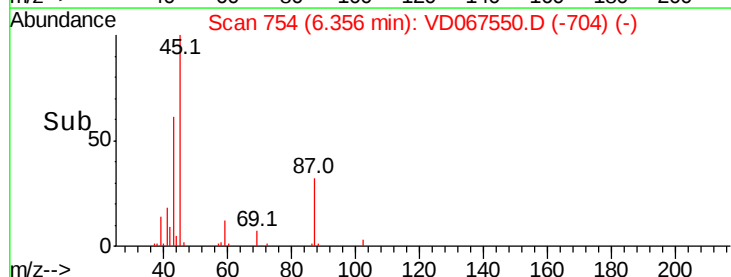
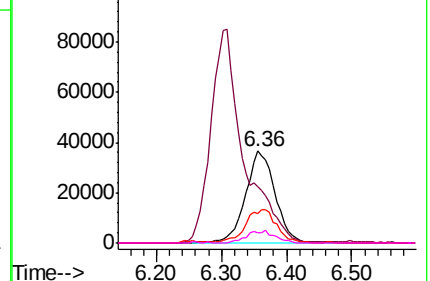


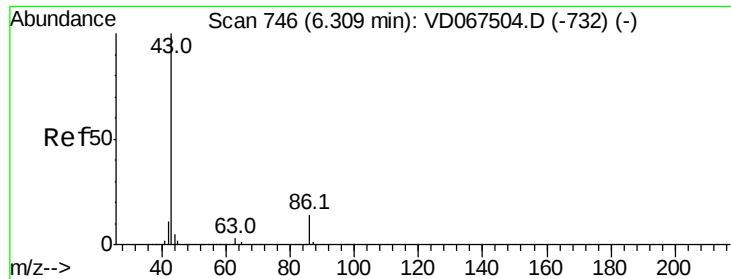
Abundance Ion 45.00 (44.70 to 45.70): VDC

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: 111.888 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

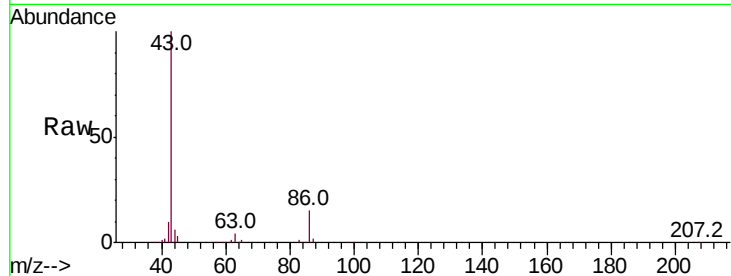
VD1106SBS01

Tot Ion: 43 Resp: 296814

Ion Ratio Lower Upper

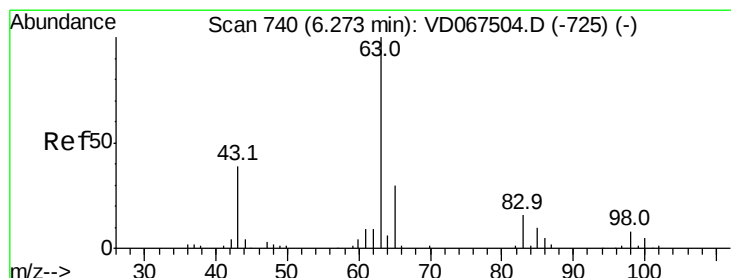
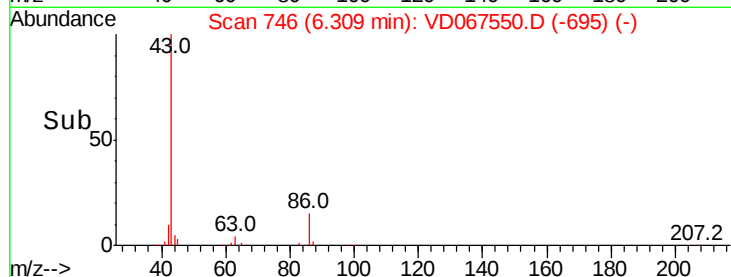
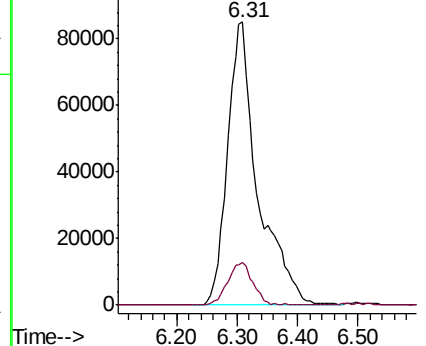
43 100

86 15.2 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: 21.490 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

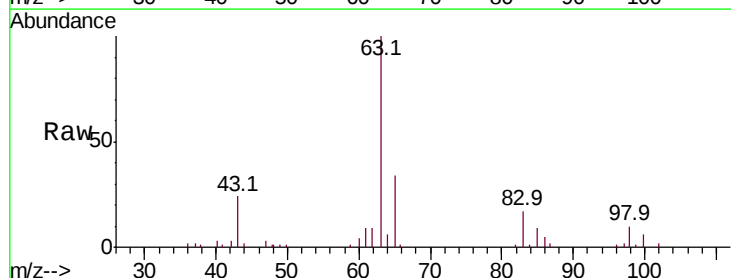
Tgt Ion: 63 Resp: 89097

Ion Ratio Lower Upper

63 100

98 10.3 3.9 11.5

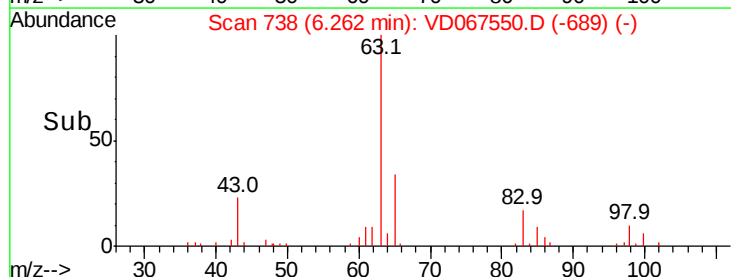
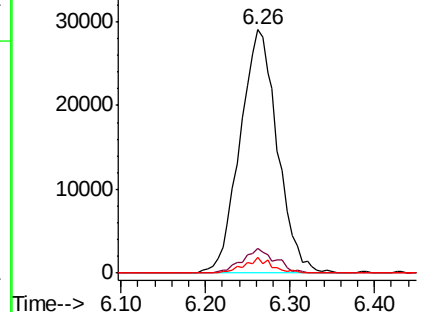
100 6.4 2.6 7.8

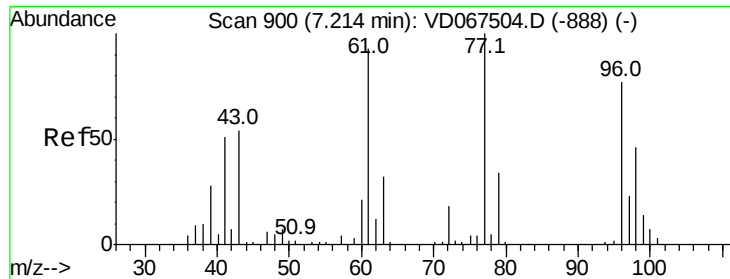


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

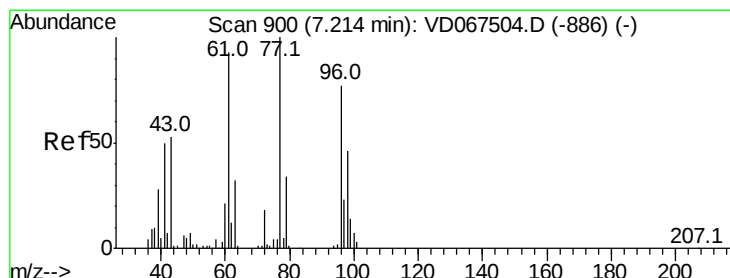
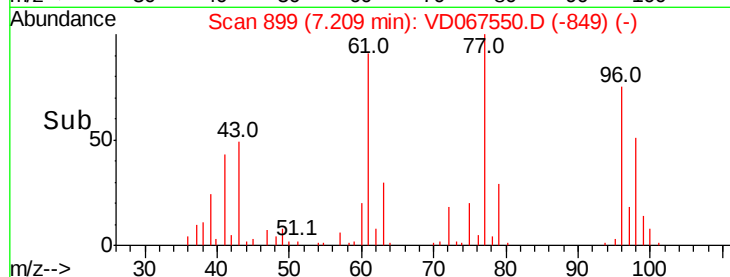
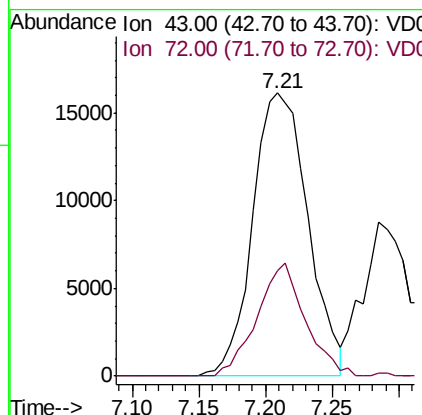
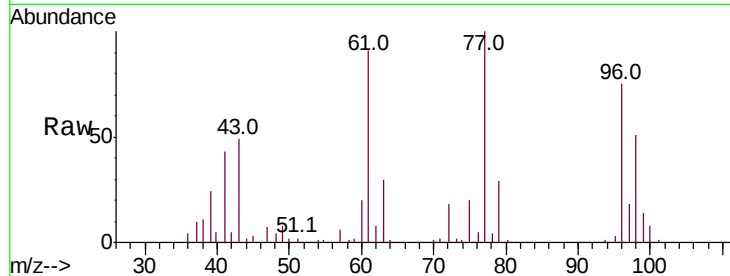




#25
 2-Butanone
 Concen: 113.441 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD067550.D
 Acq: 06 Nov 2020 14:11

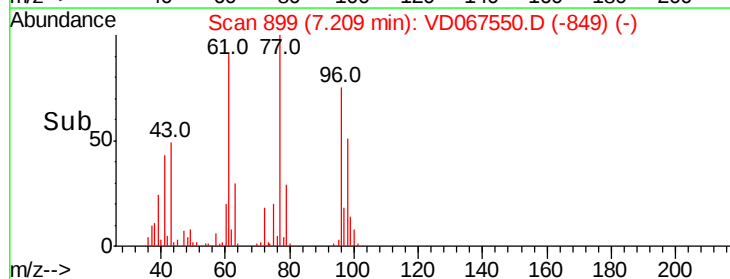
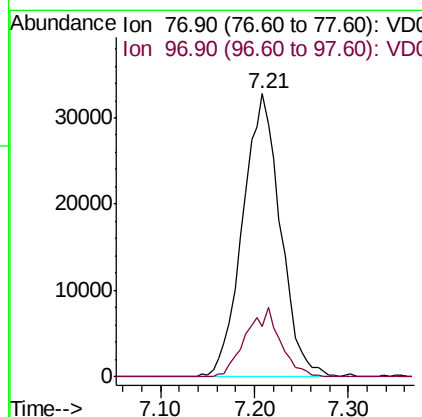
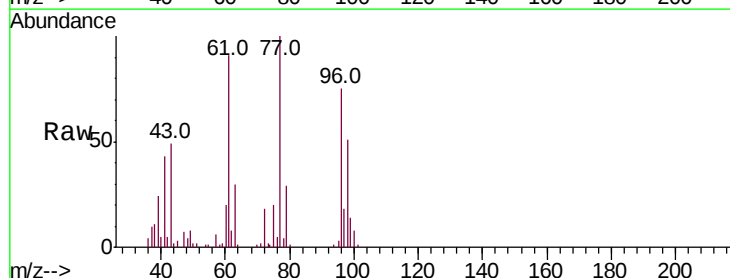
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1106SBSD01

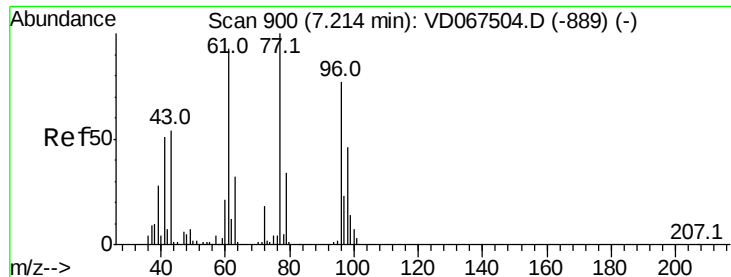
Tot Ion: 43 Resp: 46175
 Ion Ratio Lower Upper
 43 100
 72 37.5 26.4 39.6



#26
 2,2-Dichloropropane
 Concen: 20.871 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD067550.D
 Acq: 06 Nov 2020 14:11

Tgt Ion: 77 Resp: 91325
 Ion Ratio Lower Upper
 77 100
 97 22.3 11.1 33.3



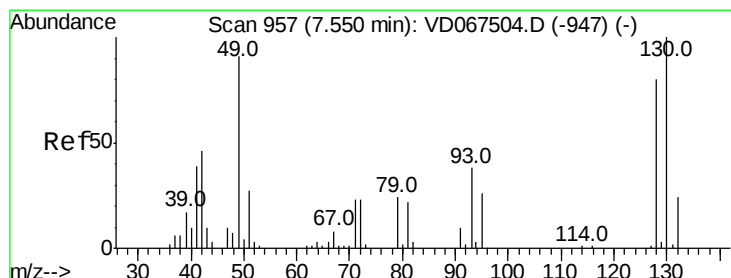
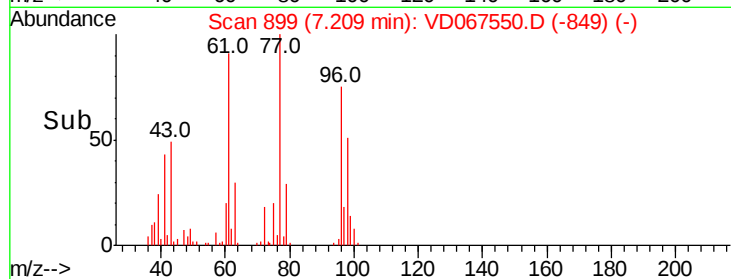
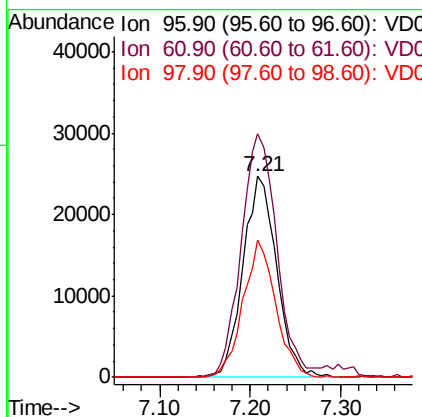
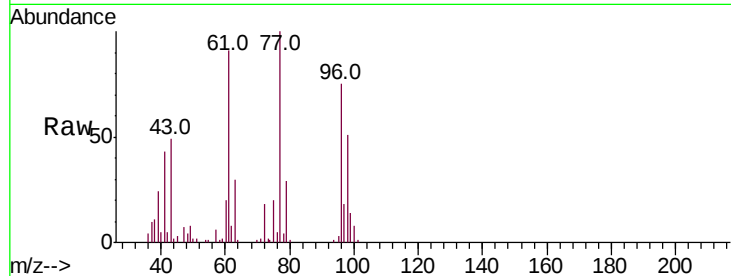


#27

cis-1,2-Dichloroethene
Concen: 21.707 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

Instrument :
MSVOA_D
ClientSampleId :
VD1106SBSD01

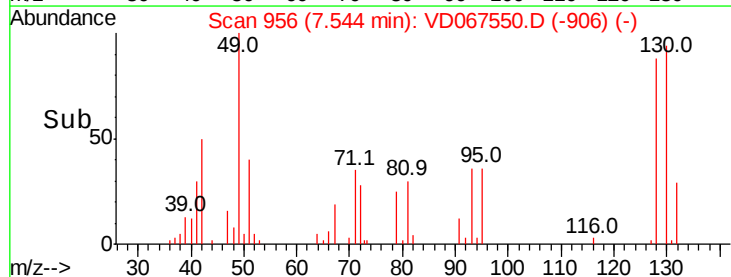
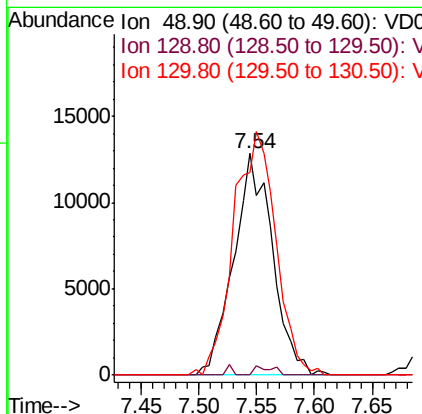
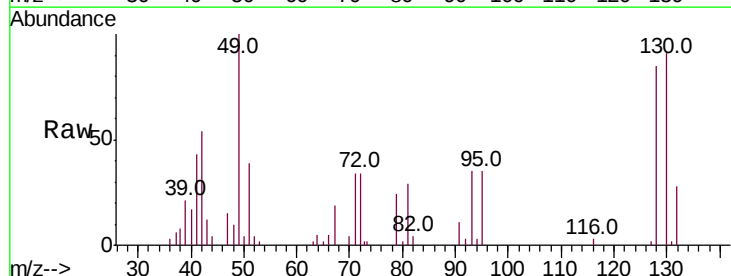
Tot Ion	96	Resp	63766
Ion	Ratio	Lower	Upper
96	100		
61	127.8	0.0	251.6
98	66.1	0.0	128.0

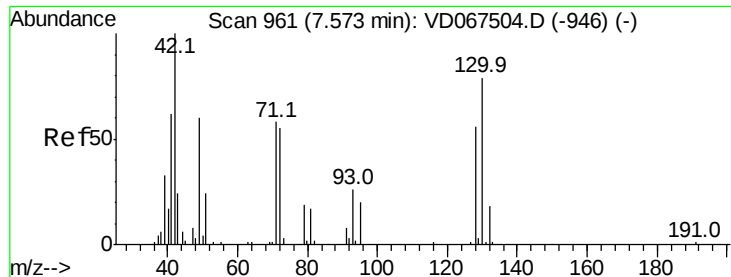


#28

Bromochloromethane
Concen: 20.303 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

Tgt Ion	49	Resp	29941
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	6.4
130	119.2	94.6	142.0





#29

Tetrahydrofuran

Concen: 121.033 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

VD1106SBS01

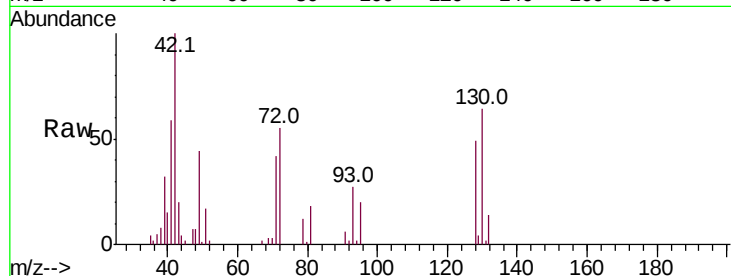
Tot Ion: 42 Resp: 29510

Ion Ratio Lower Upper

42 100

72 58.3 46.3 69.5

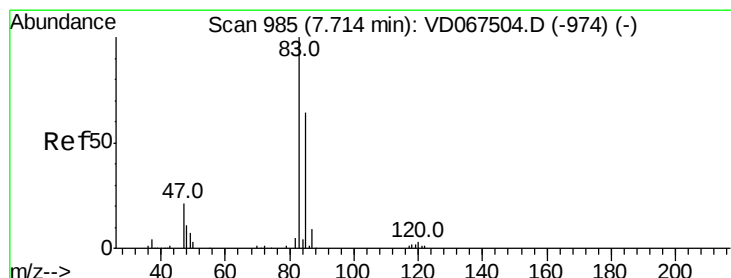
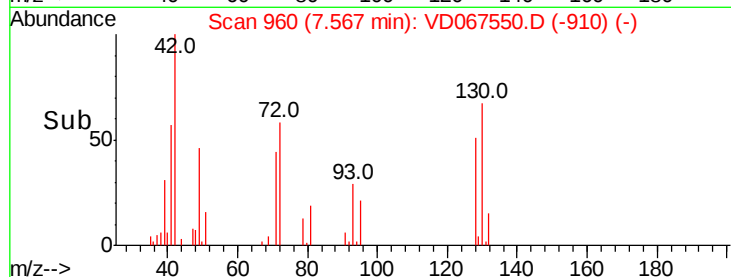
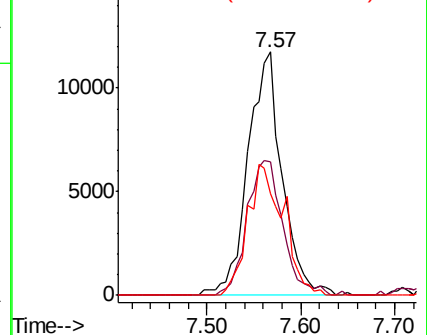
71 56.5 44.0 66.0



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: 22.747 ug/l

RT: 7.71 min Scan# 984

Delta R.T. -0.01 min

Lab File: VD067550.D

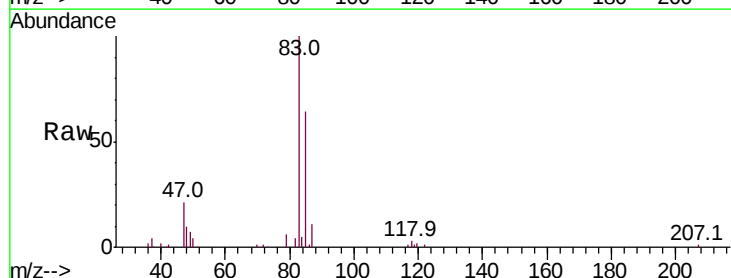
Acq: 06 Nov 2020 14:11

Tgt Ion: 83 Resp: 112512

Ion Ratio Lower Upper

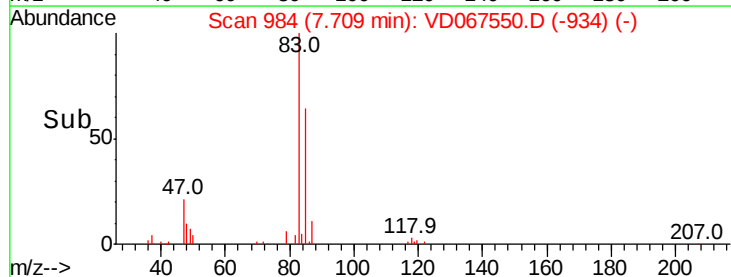
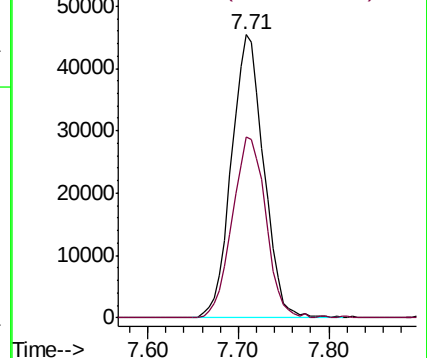
83 100

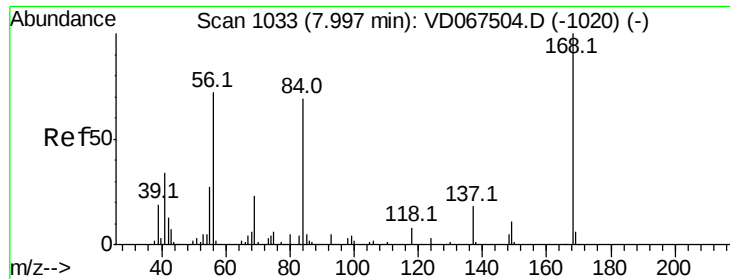
85 63.9 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

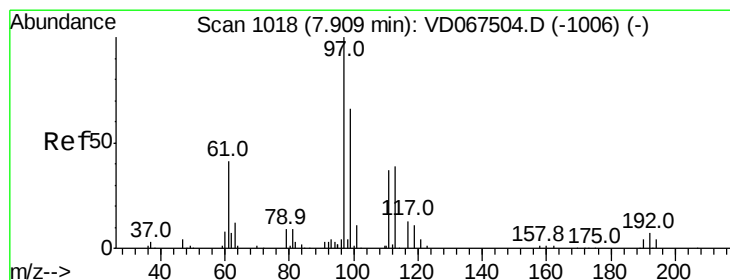
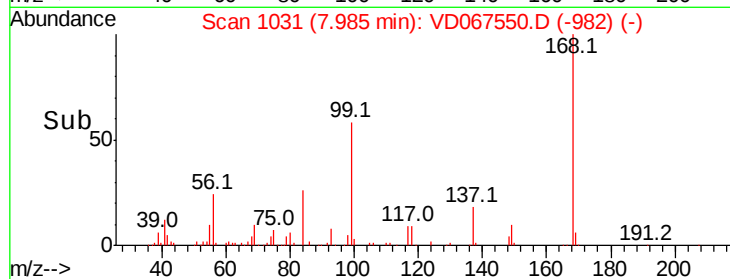
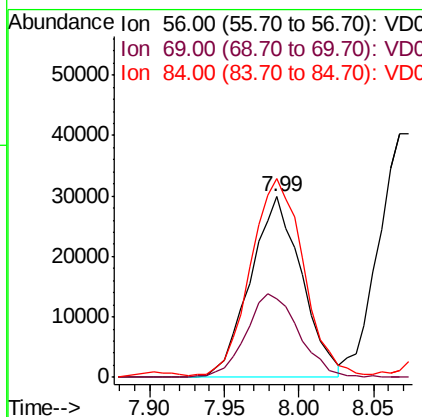
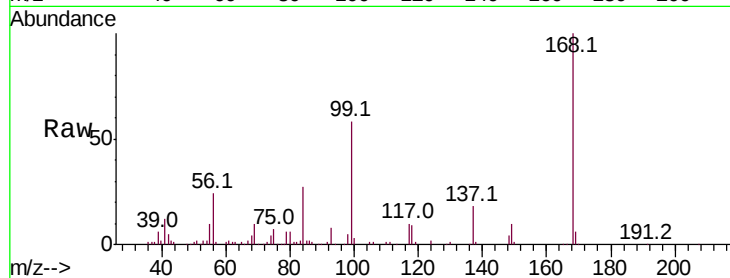




#31
Cyclohexane
Concen: 19.380 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

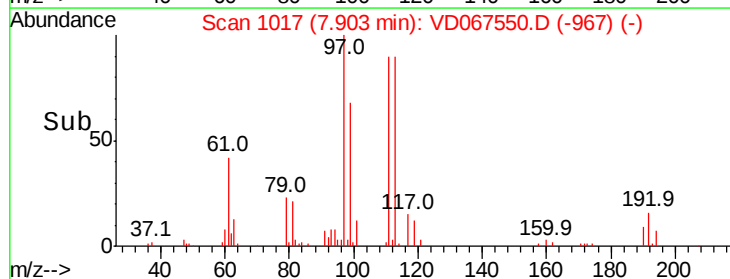
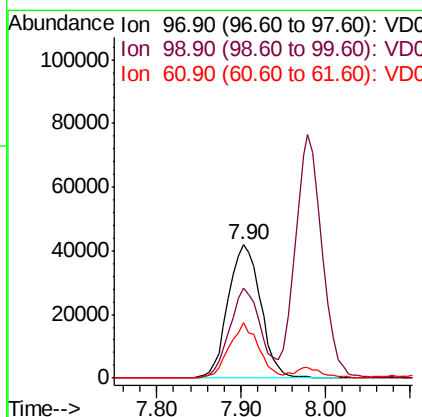
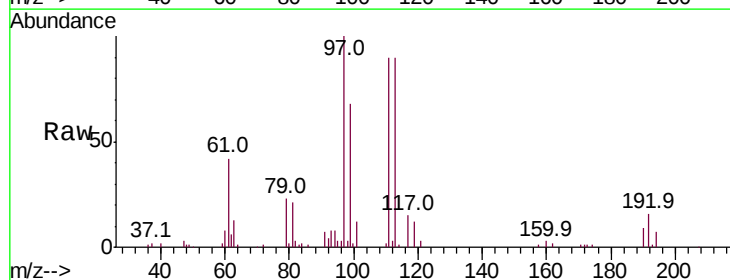
Instrument :
MSVOA_D
ClientSampleId :
VD1106SBSD01

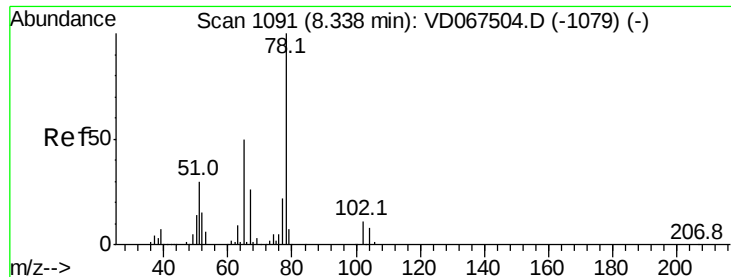
Tot Ion: 56 Resp: 71551
Ion Ratio Lower Upper
56 100
69 43.3 25.9 38.9#
84 109.3 76.2 114.4



#32
1,1,1-Trichloroethane
Concen: 21.806 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

Tgt Ion: 97 Resp: 111284
Ion Ratio Lower Upper
97 100
99 64.9 51.8 77.6
61 37.4 30.5 45.7

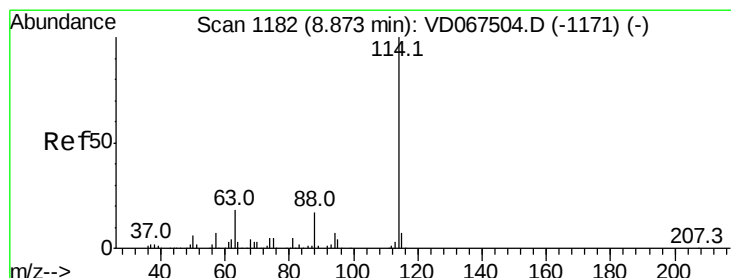
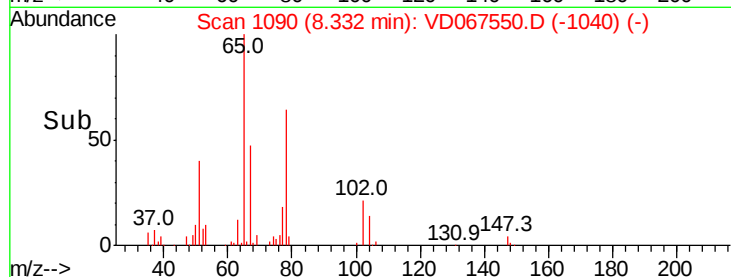
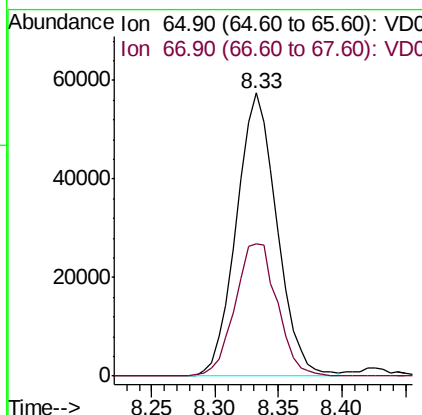
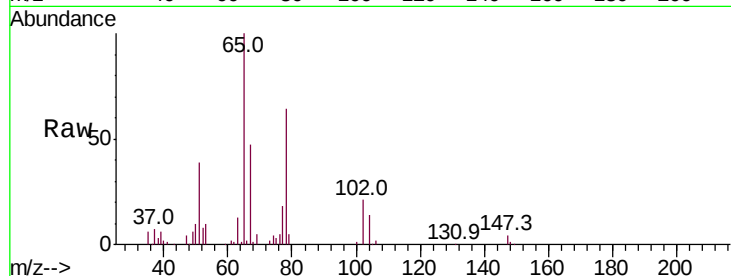




#33
 1,2-Dichloroethane-d4
 Concen: 50.191 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD067550.D
 Acq: 06 Nov 2020 14:11

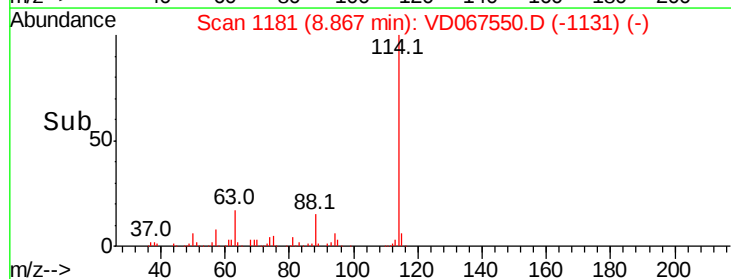
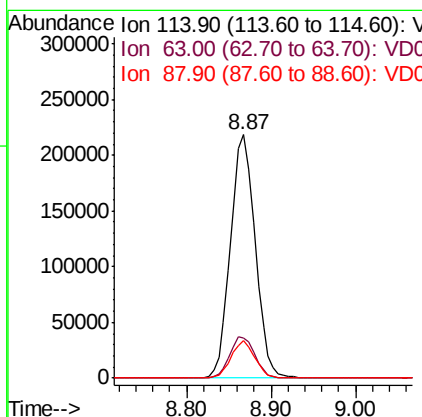
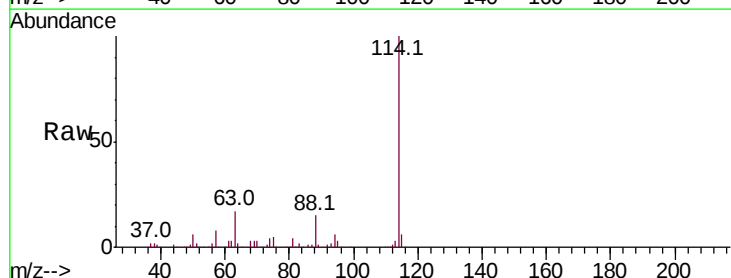
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1106SBSD01

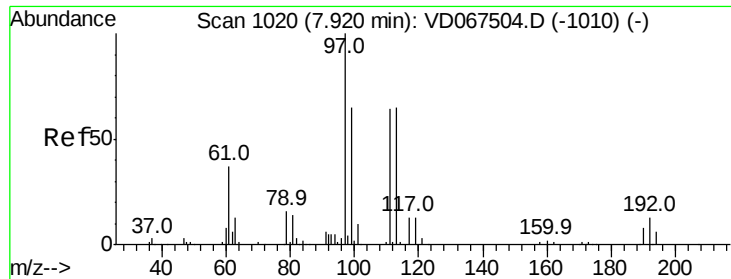
Tot Ion: 65 Resp: 127766
 Ion Ratio Lower Upper
 65 100
 67 48.6 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VD067550.D
 Acq: 06 Nov 2020 14:11

Tgt Ion: 114 Resp: 440703
 Ion Ratio Lower Upper
 114 100
 63 16.6 0.0 35.0
 88 15.3 0.0 33.0

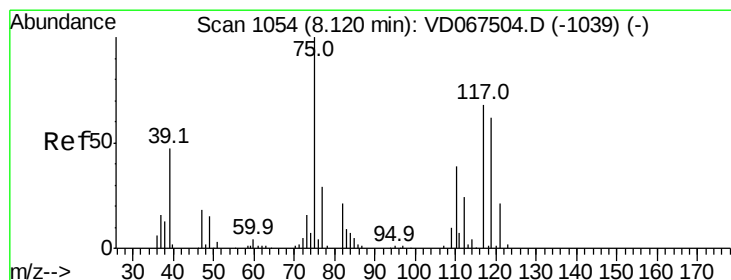
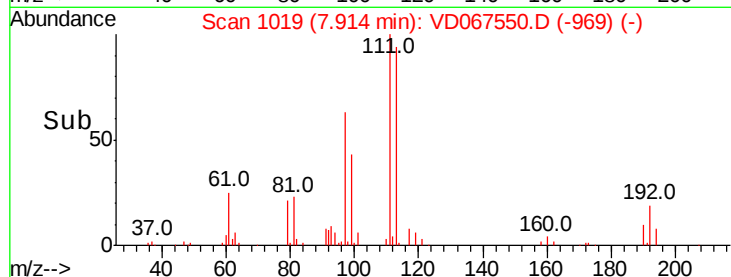
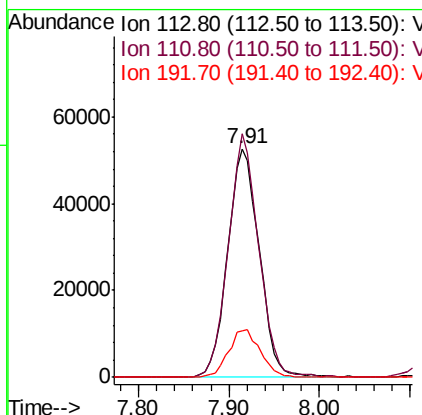
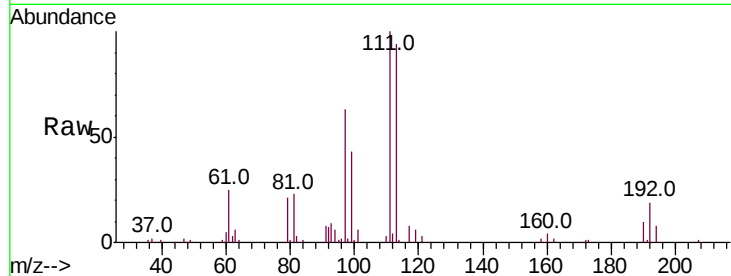




#35
 Dibromofluoromethane
 Concen: 48.020 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD067550.D
 Acq: 06 Nov 2020 14:11

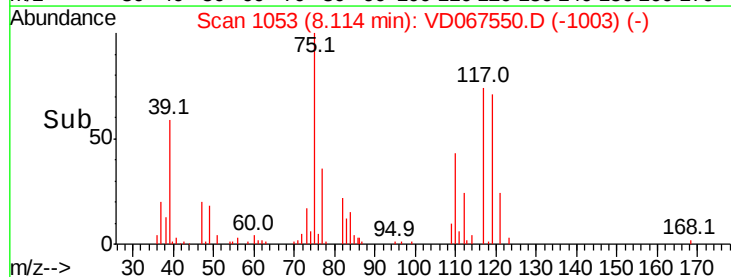
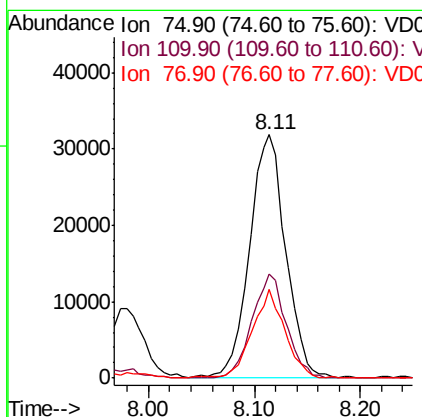
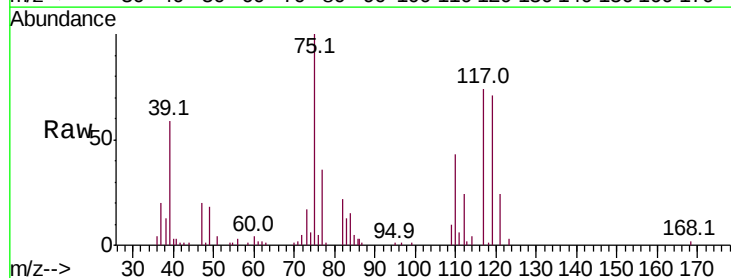
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1106SBSD01

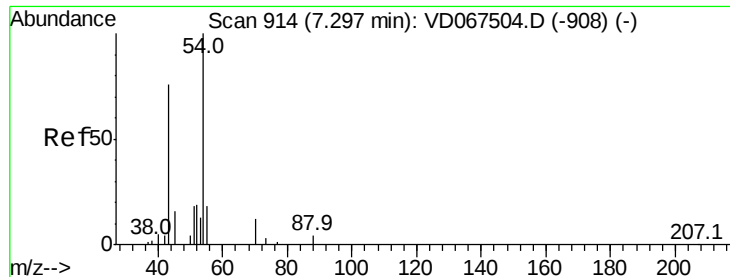
Tot Ion:113 Resp: 127503
 Ion Ratio Lower Upper
 113 100
 111 102.2 80.0 120.0
 192 21.1 16.3 24.5



#36
 1,1-Dichloropropene
 Concen: 20.144 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD067550.D
 Acq: 06 Nov 2020 14:11

Tgt Ion: 75 Resp: 75991
 Ion Ratio Lower Upper
 75 100
 110 40.2 19.9 59.7
 77 32.8 24.8 37.2

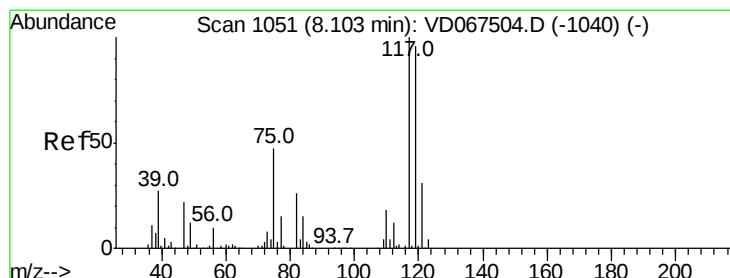
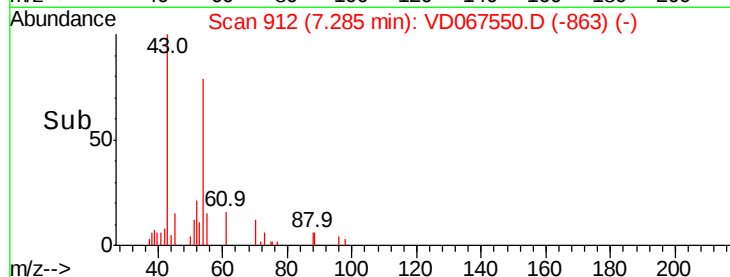
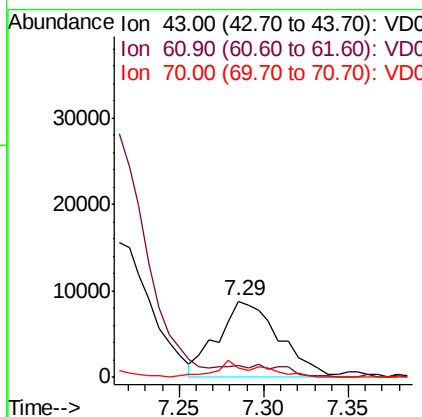
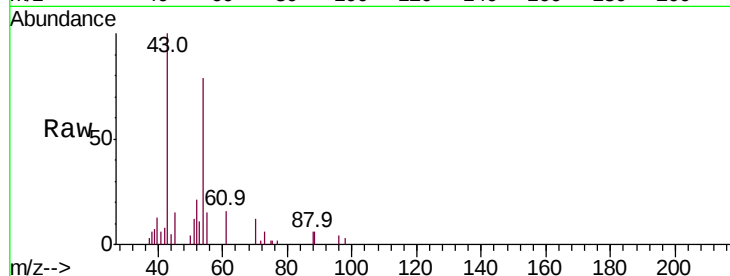




#37
Ethyl Acetate
Concen: 22.633 ug/l
RT: 7.29 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

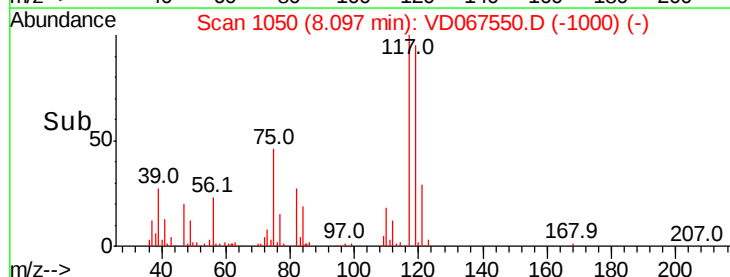
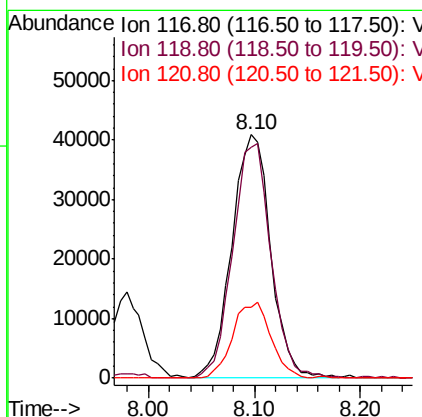
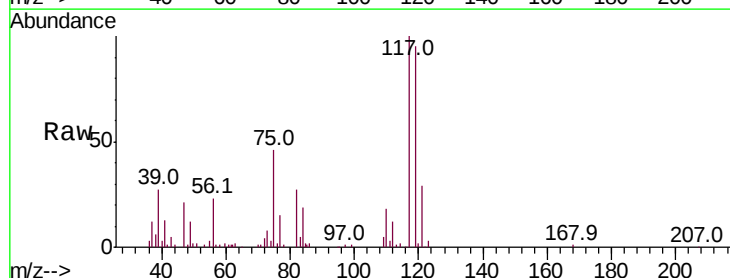
Instrument :
MSVOA_D
ClientSampleId :
VD1106SBS01

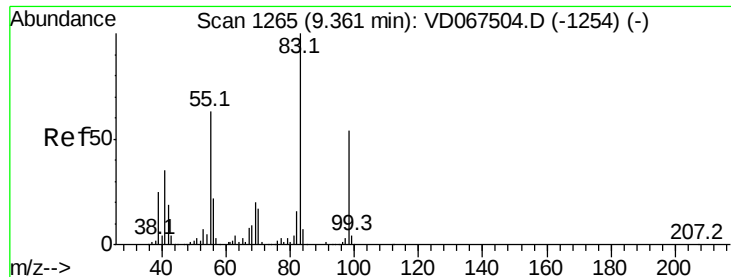
Tot Ion: 43 Resp: 22166
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 9.7 11.7 17.5#



#38
Carbon Tetrachloride
Concen: 21.312 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

Tgt Ion: 117 Resp: 104459
Ion Ratio Lower Upper
117 100
119 94.8 76.9 115.3
121 29.0 24.5 36.7

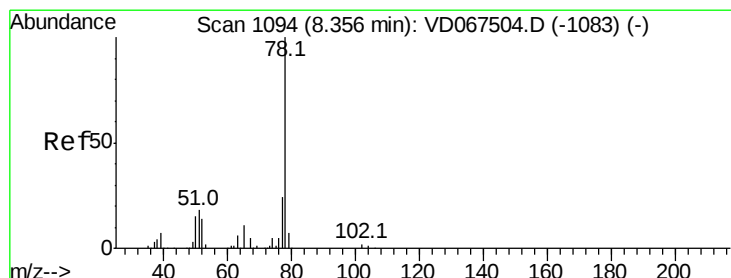
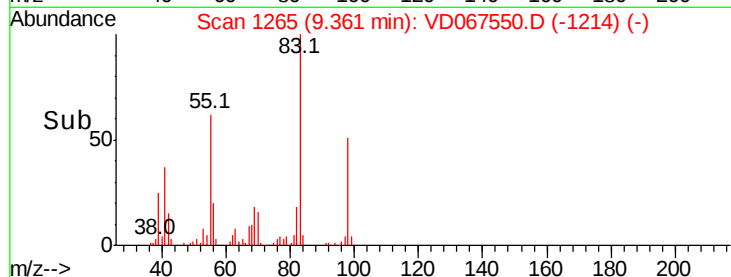
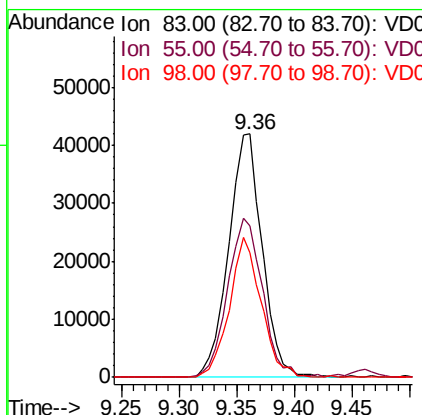
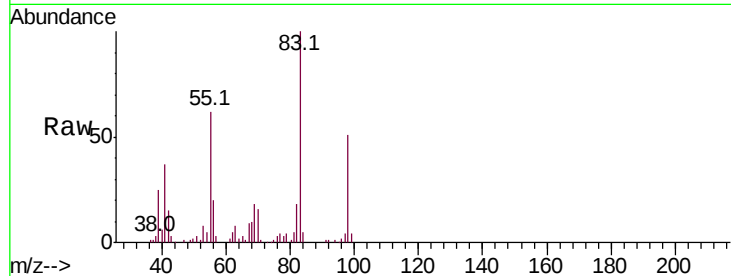




#39
Methvlcvclohexane
Concen: 19.102 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

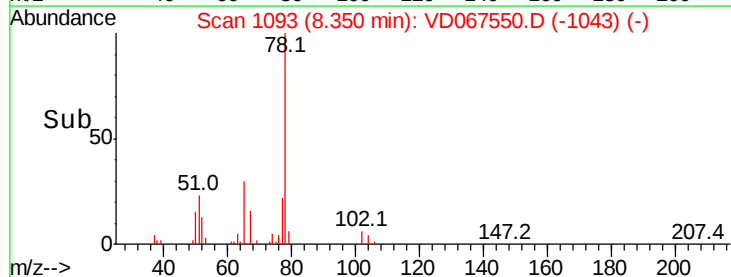
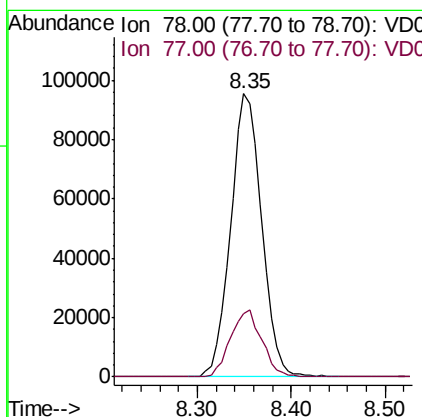
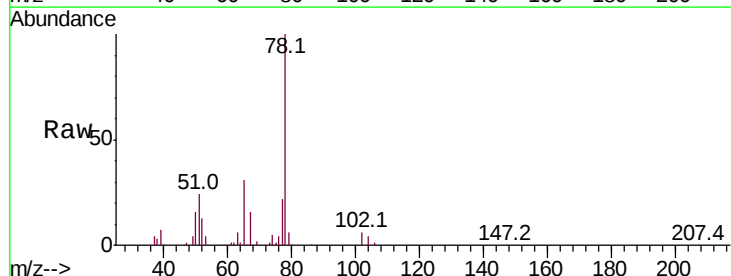
Instrument :
MSVOA_D
ClientSampleId :
VD1106SBSD01

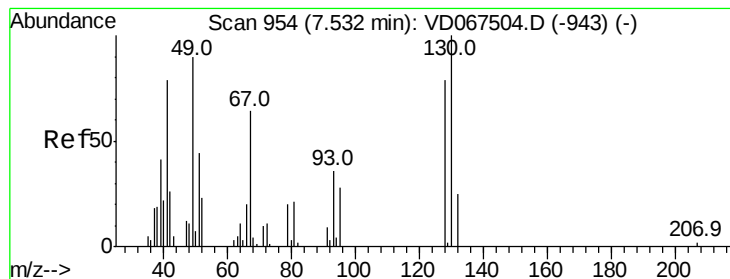
Tot Ion: 83 Resp: 84814
Ion Ratio Lower Upper
83 100
55 62.5 50.5 75.7
98 50.9 43.4 65.0



#40
Benzene
Concen: 21.358 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

Tgt Ion: 78 Resp: 218241
Ion Ratio Lower Upper
78 100
77 22.4 19.1 28.7





#41

Methacrylonitrile

Concen: 15.902 ug/l

RT: 7.52 min Scan# 952

Delta R.T. -0.01 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

VD1106SBSD01

Tot Ion: 41 Resp: 9309

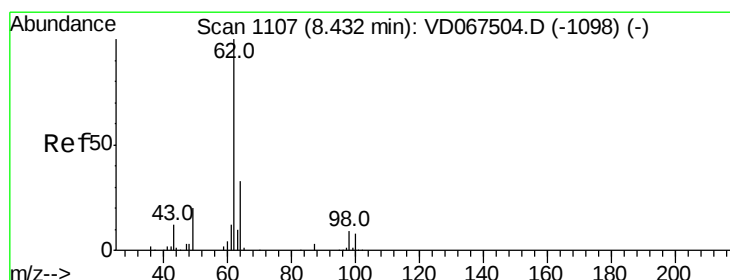
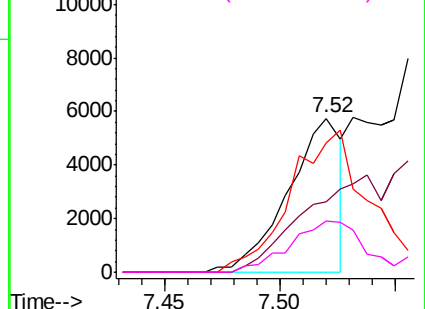
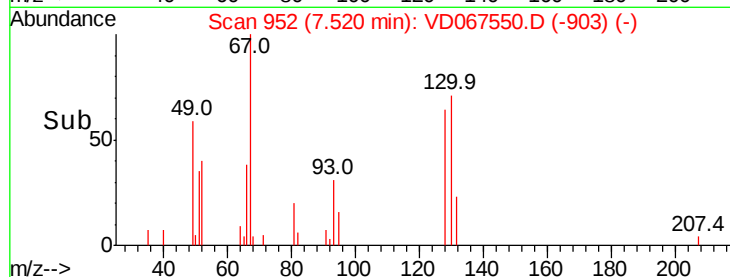
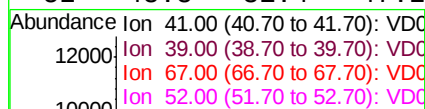
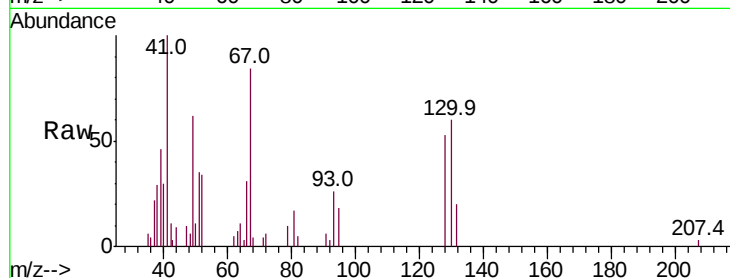
Ion Ratio Lower Upper

41 100

39 88.5 51.3 76.9#

67 135.9 78.9 118.3#

52 48.8 31.4 47.2#



#42

1,2-Dichloroethane

Concen: 22.256 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD067550.D

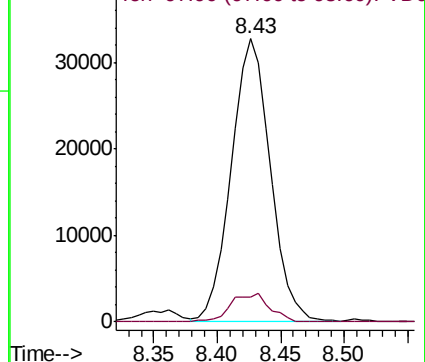
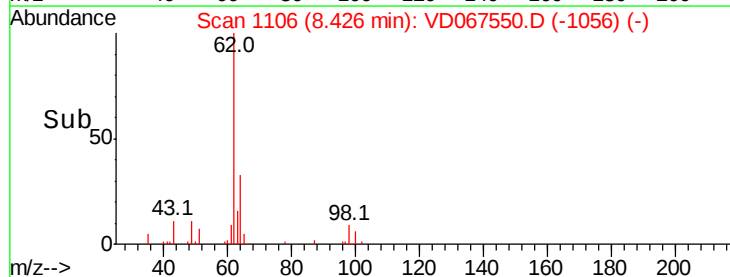
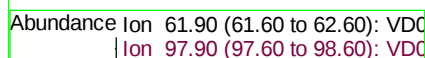
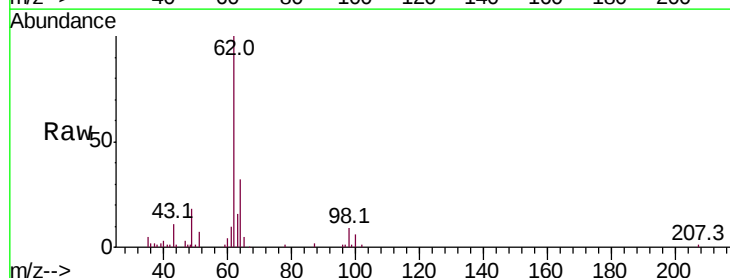
Acq: 06 Nov 2020 14:11

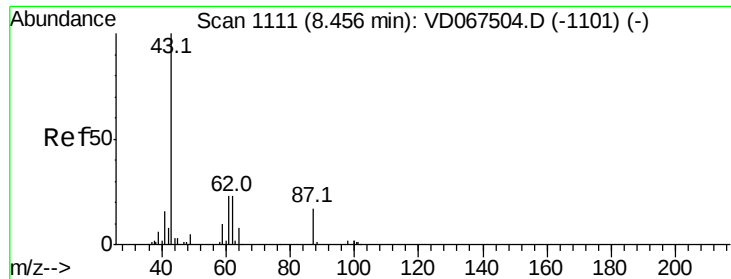
Tgt Ion: 62 Resp: 70266

Ion Ratio Lower Upper

62 100

98 10.0 0.0 19.8





#43

Isopropyl Acetate

Concen: 22.596 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

VD1106SBS01

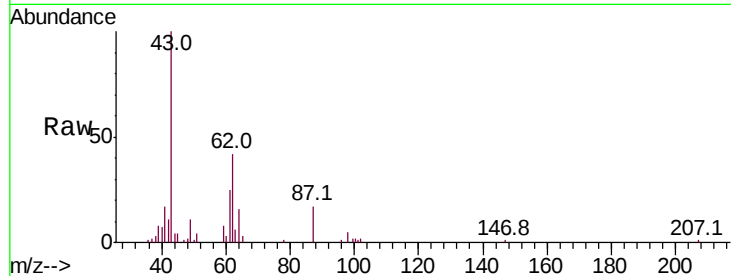
Tot Ion: 43 Resp: 43766

Ion Ratio Lower Upper

43 100

61 37.8 30.5 45.7

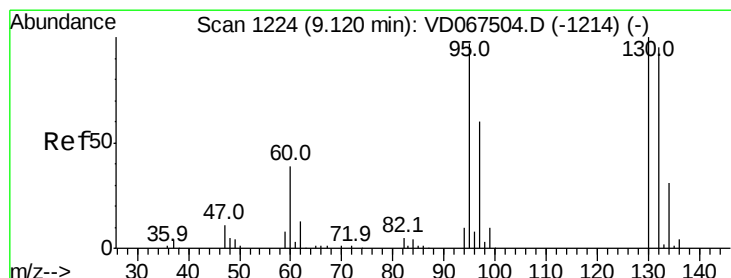
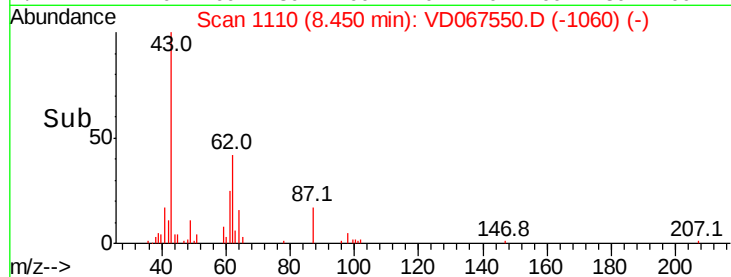
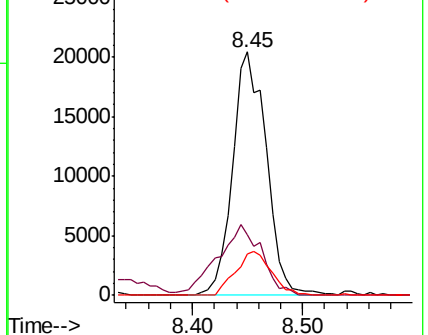
87 19.1 14.7 22.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 20.936 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD067550.D

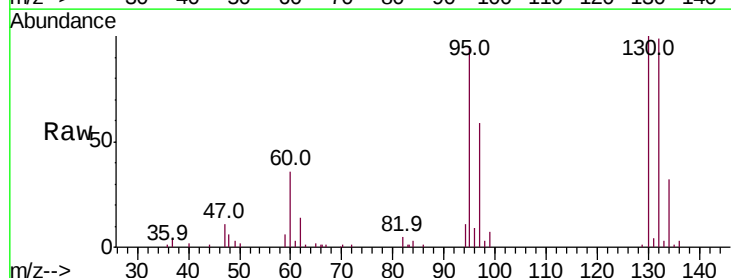
Acq: 06 Nov 2020 14:11

Tgt Ion: 130 Resp: 70342

Ion Ratio Lower Upper

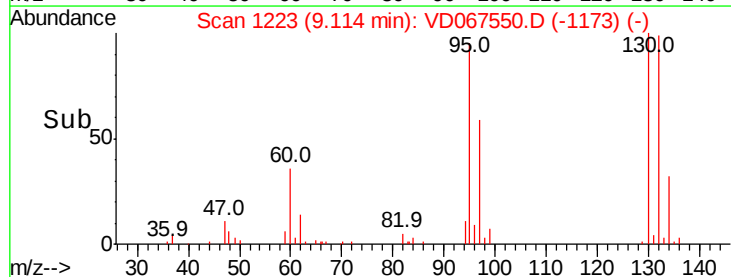
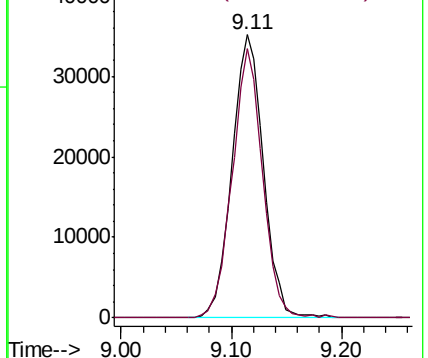
130 100

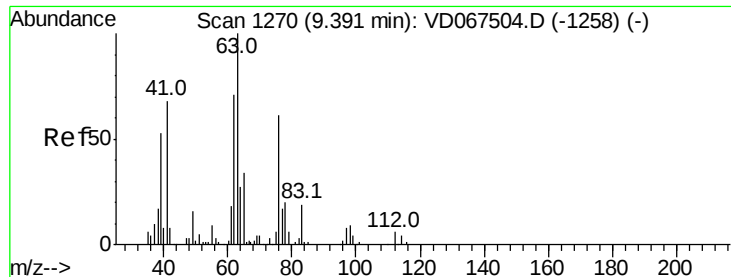
95 95.2 0.0 194.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC

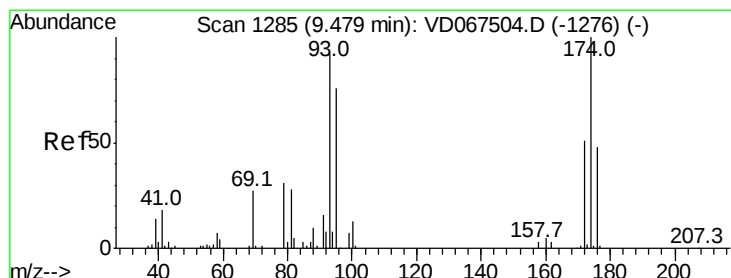
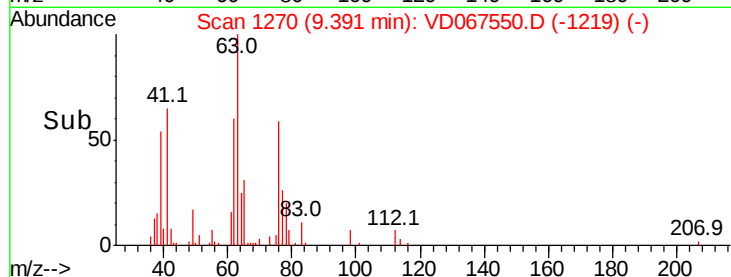
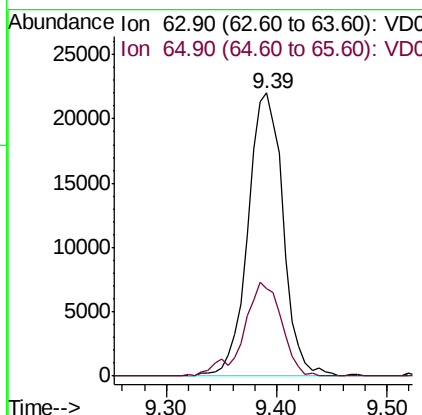
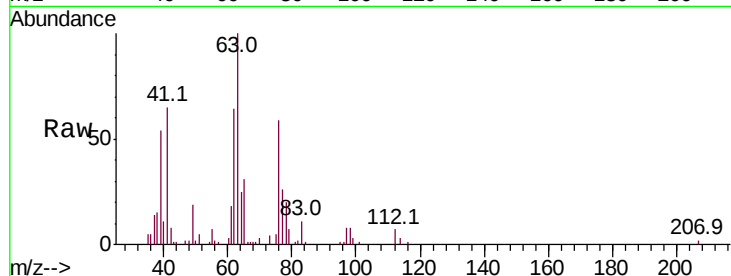




#45
 1,2-Dichloropropane
 Concen: 22.284 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067550.D
 Acq: 06 Nov 2020 14:11

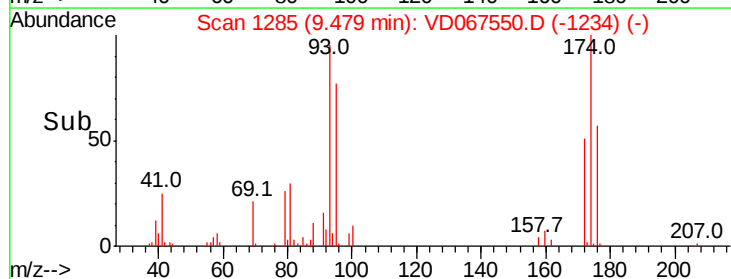
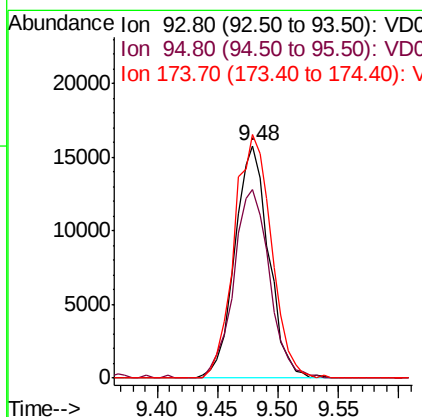
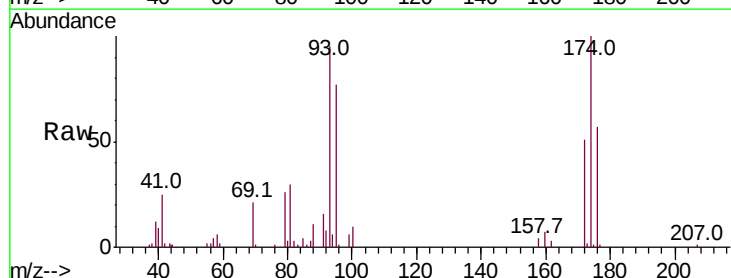
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1106SBSD01

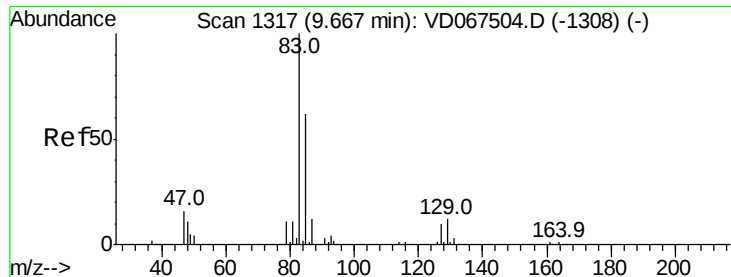
Tot Ion: 63 Resp: 49232
 Ion Ratio Lower Upper
 63 100
 65 30.9 26.9 40.3



#46
 Dibromomethane
 Concen: 21.990 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067550.D
 Acq: 06 Nov 2020 14:11

Tgt Ion: 93 Resp: 30890
 Ion Ratio Lower Upper
 93 100
 95 85.7 66.4 99.6
 174 114.6 88.2 132.4





#47

Bromodichloromethane

Concen: 22.081 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

VD1106SBSD01

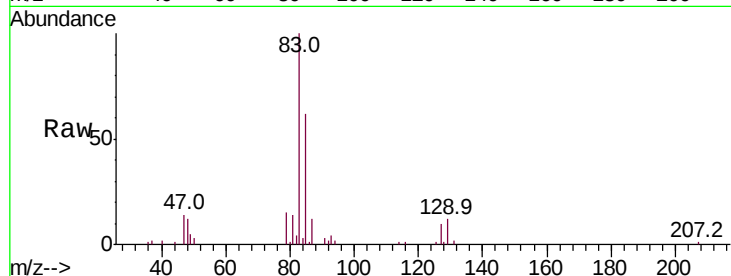
Tot Ion: 83 Resp: 84306

Ion Ratio Lower Upper

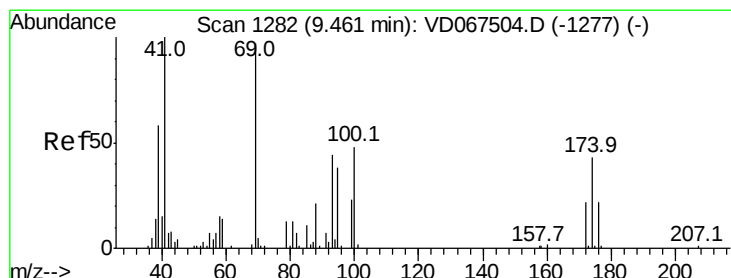
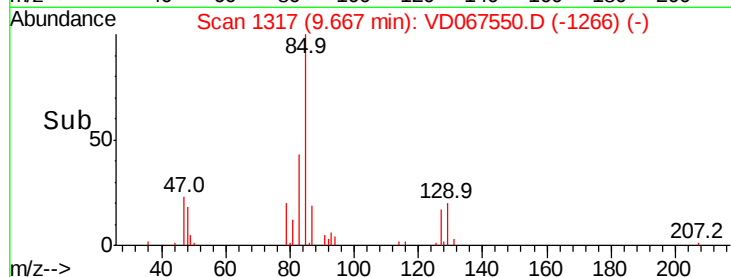
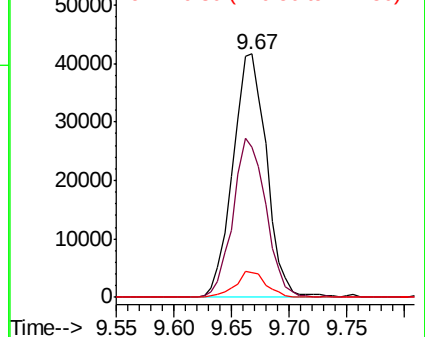
83 100

85 61.9 49.4 74.2

127 10.3 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: 22.484 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

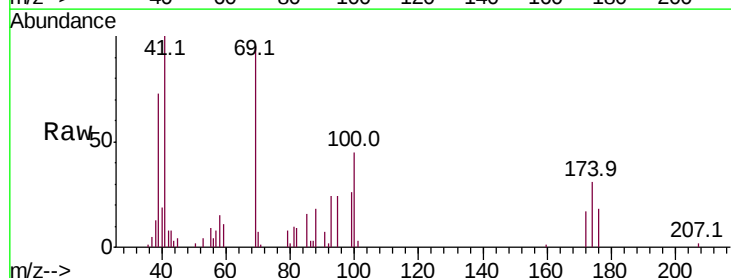
Tgt Ion: 41 Resp: 22485

Ion Ratio Lower Upper

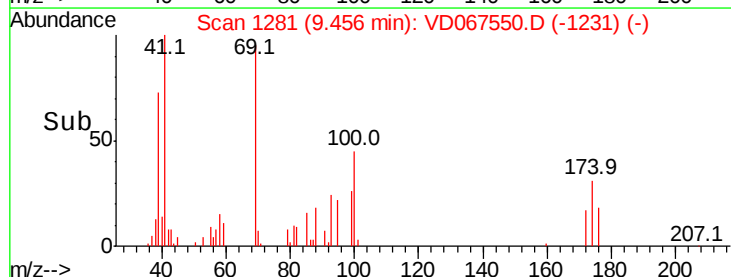
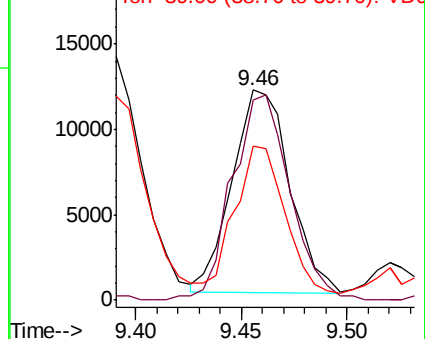
41 100

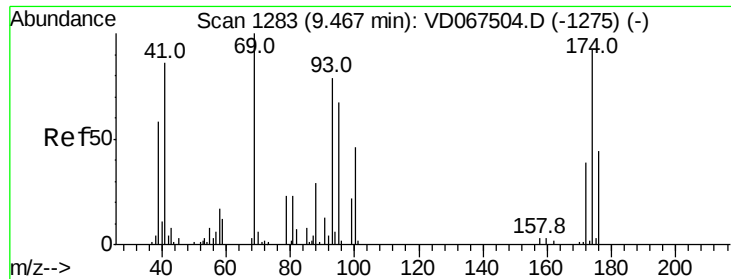
69 101.5 80.6 121.0

39 63.3 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

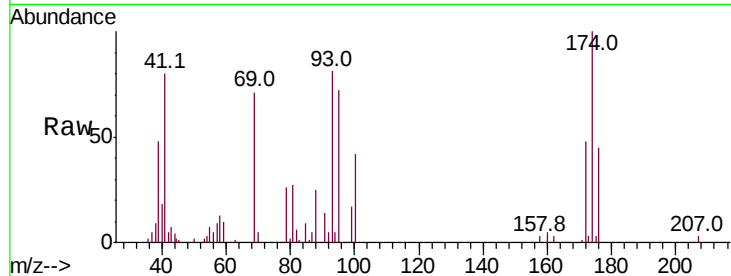




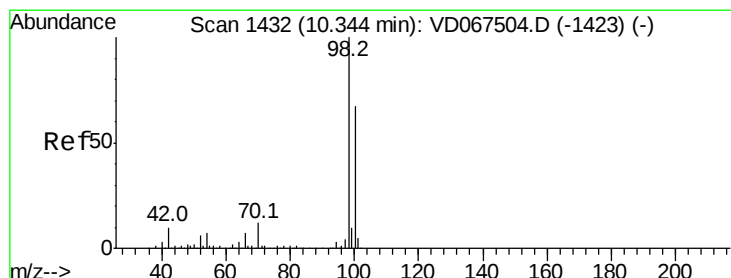
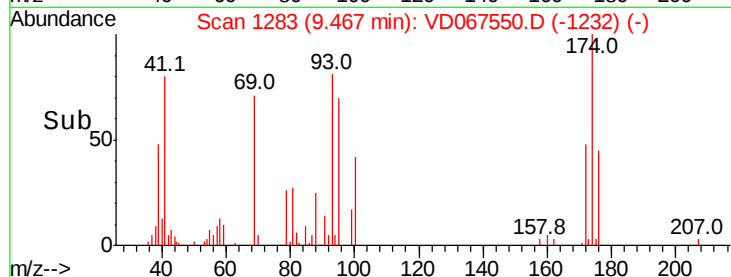
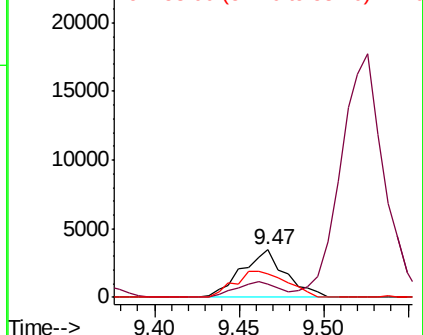
#49
1,4-Dioxane
Concen: 444.308 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

Instrument :
MSVOA_D
ClientSampleId :
VD1106SBSD01

Tot Ion: 88 Resp: 6336
Ion Ratio Lower Upper
88 100
43 30.9 23.6 35.4
58 65.0 44.7 67.1

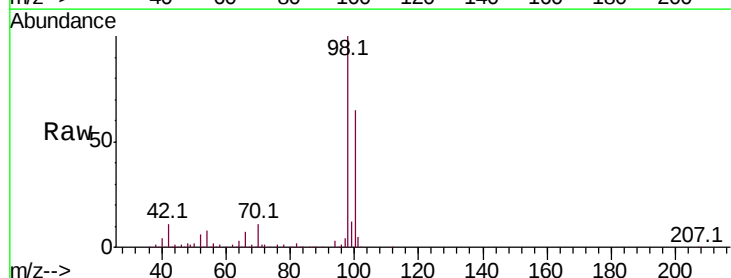


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

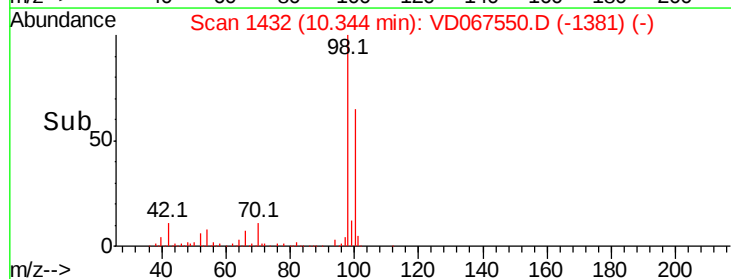
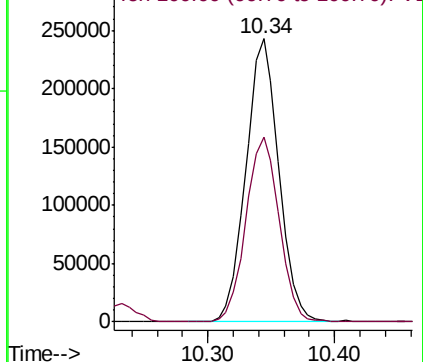


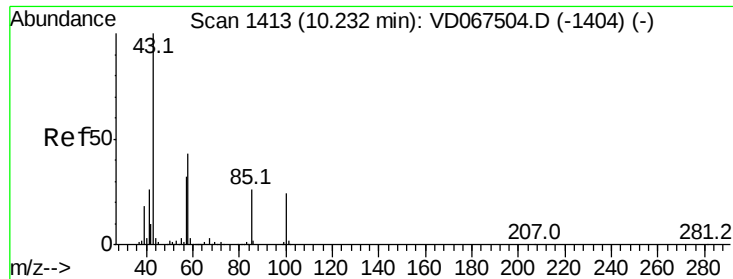
#50
Toluene-d8
Concen: 47.031 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

Tgt Ion: 98 Resp: 438847
Ion Ratio Lower Upper
98 100
100 66.5 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: 116.455 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

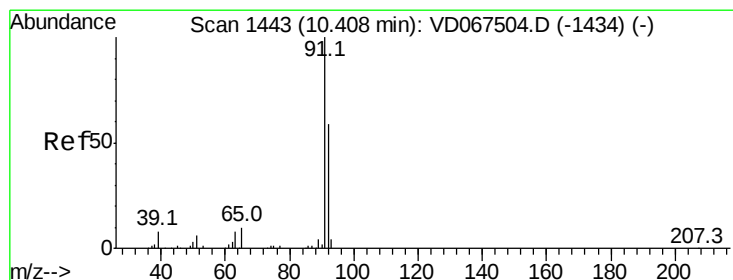
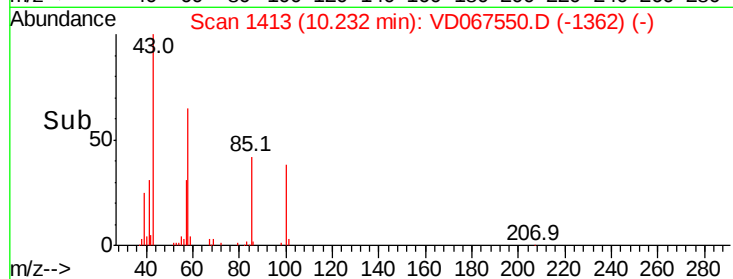
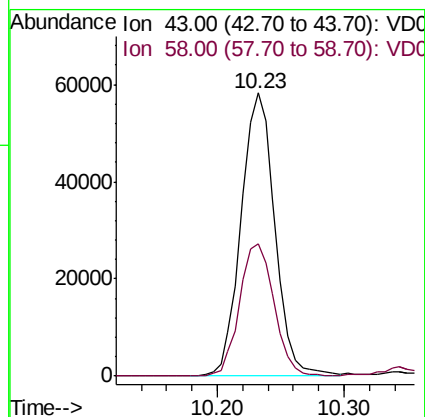
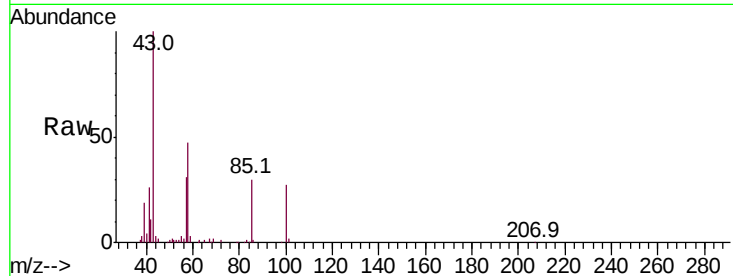
VD1106SBSD01

Tot Ion: 43 Resp: 107875

Ion Ratio Lower Upper

43 100

58 47.4 35.6 53.4



#52

Toluene

Concen: 22.458 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067550.D

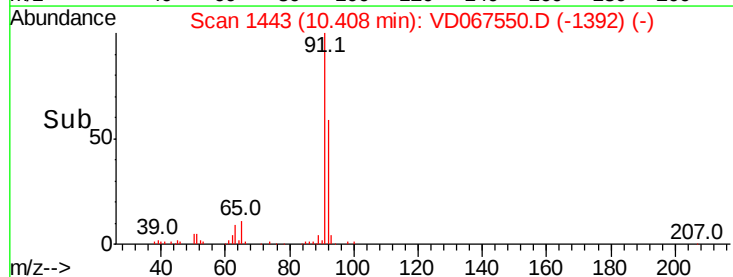
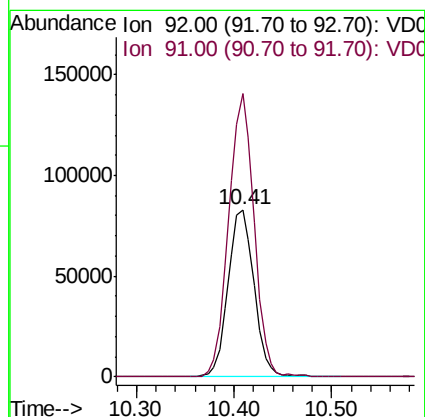
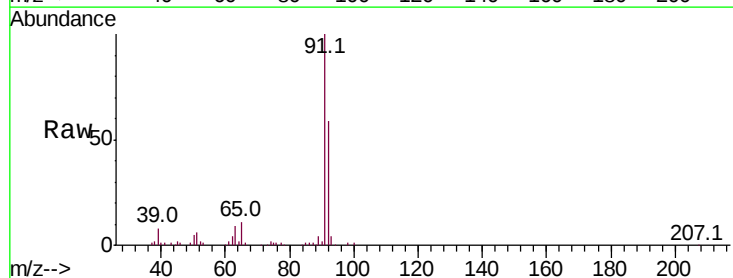
Acq: 06 Nov 2020 14:11

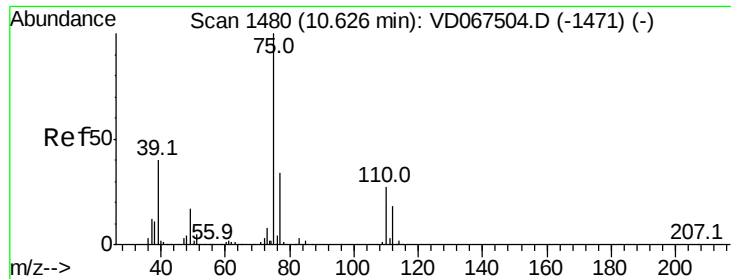
Tgt Ion: 92 Resp: 153705

Ion Ratio Lower Upper

92 100

91 165.7 137.0 205.6





#53

t-1,3-Dichloropropene

Concen: 22.999 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. -0.01 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

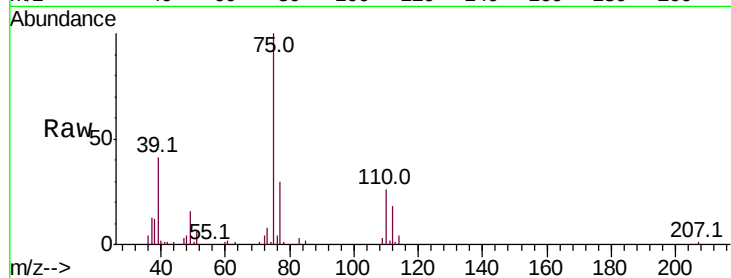
VD1106SBSD01

Tot Ion: 75 Resp: 75206

Ion Ratio Lower Upper

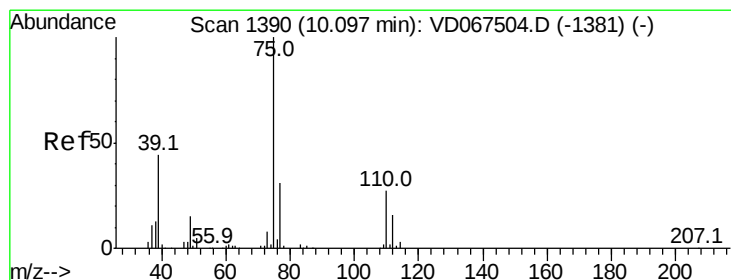
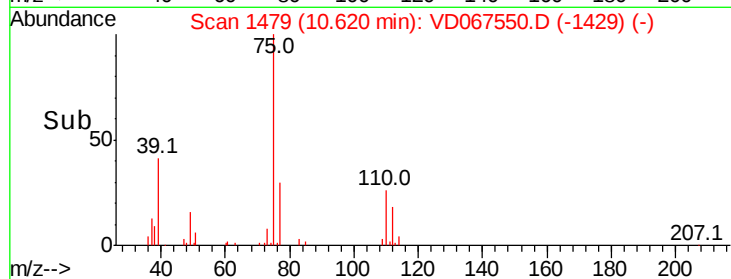
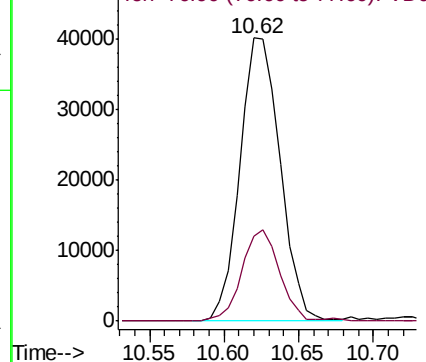
75 100

77 29.9 27.0 40.6



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 21.277 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

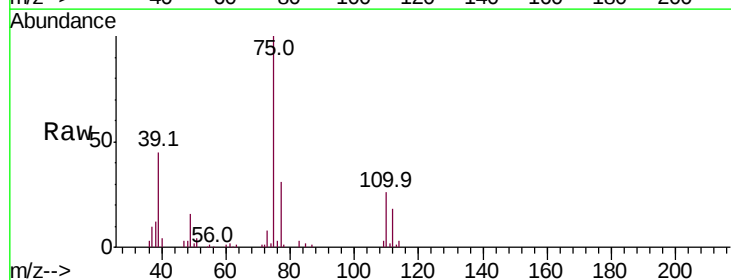
Tgt Ion: 75 Resp: 82663

Ion Ratio Lower Upper

75 100

77 30.8 24.4 36.6

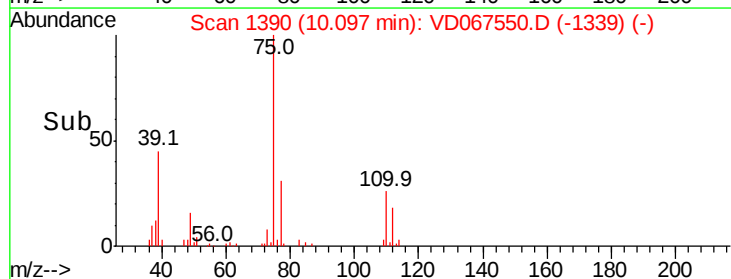
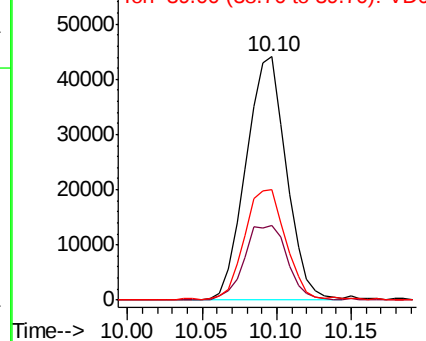
39 44.8 35.6 53.4

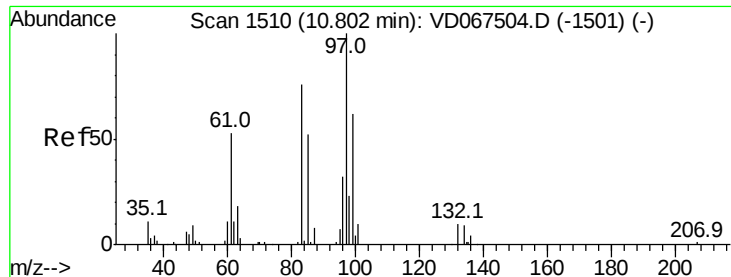


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





#55

1,1,2-Trichloroethane

Concen: 22.361 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

VD1106SBSD01

Tot Ion: 97 Resp: 41561

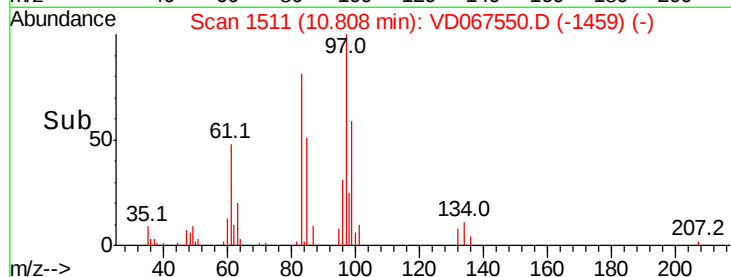
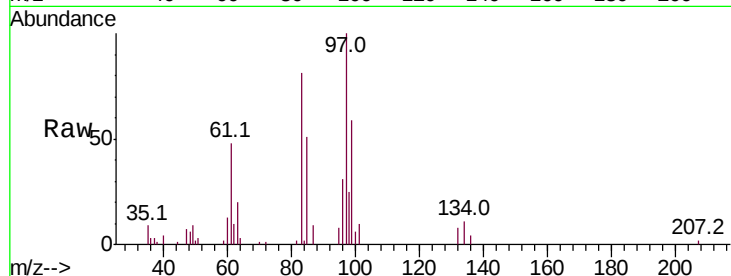
Ion	Ratio	Lower	Upper
97	100		
83	80.8	61.0	91.6
85	50.7	41.5	62.3
99	58.9	49.4	74.2

97 100

83 80.8 61.0 91.6

85 50.7 41.5 62.3

99 58.9 49.4 74.2

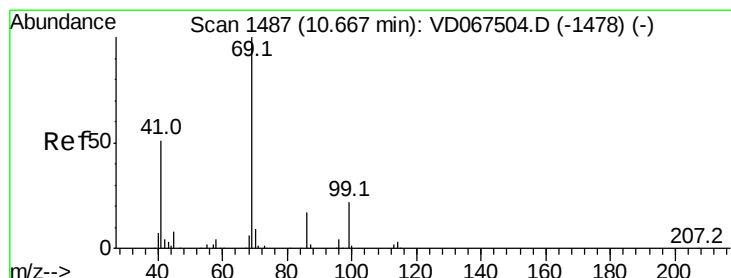
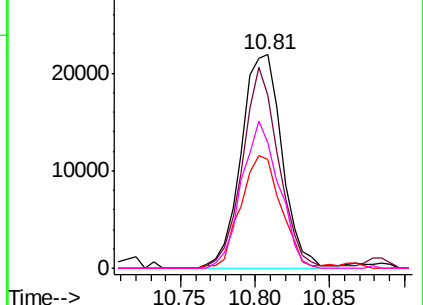


Abundance Ion 96.90 (96.60 to 97.60): VDC

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



#56

Ethyl methacrylate

Concen: 21.561 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

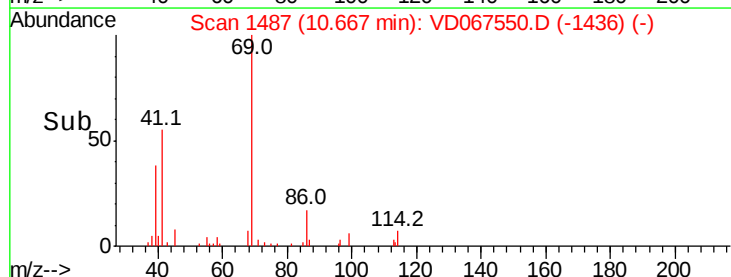
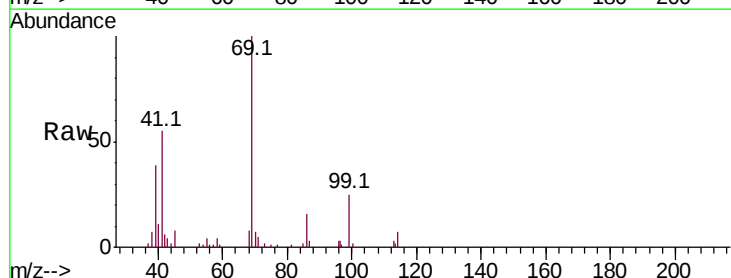
Tgt Ion: 69 Resp: 41383

Ion	Ratio	Lower	Upper
69	100		
41	58.0	45.4	68.0
39	33.6	27.4	41.0

69 100

41 58.0 45.4 68.0

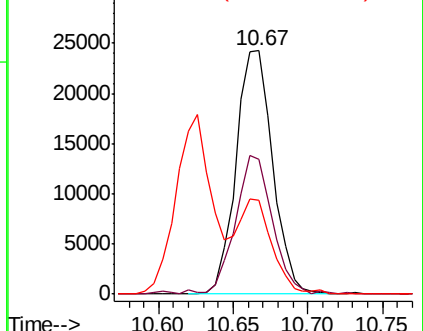
39 33.6 27.4 41.0

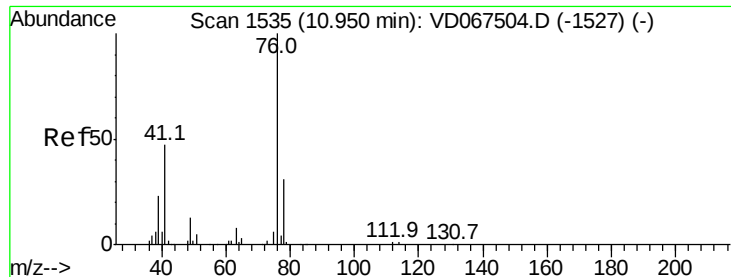


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 22.864 ug/l

RT: 10.96 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

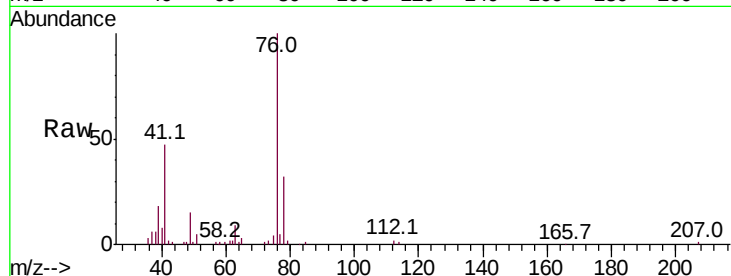
VD1106SBSD01

Tot Ion: 76 Resp: 68384

Ion Ratio Lower Upper

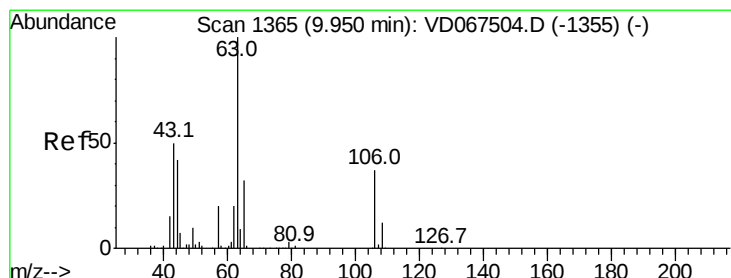
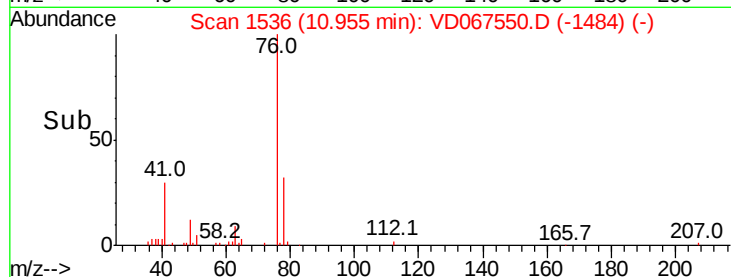
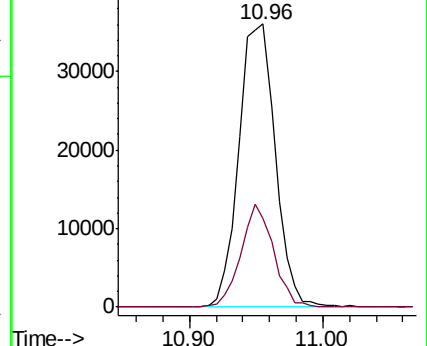
76 100

78 32.4 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 114.506 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD067550.D

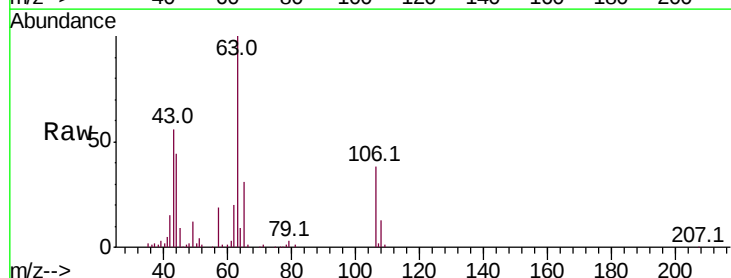
Acq: 06 Nov 2020 14:11

Tgt Ion: 63 Resp: 102488

Ion Ratio Lower Upper

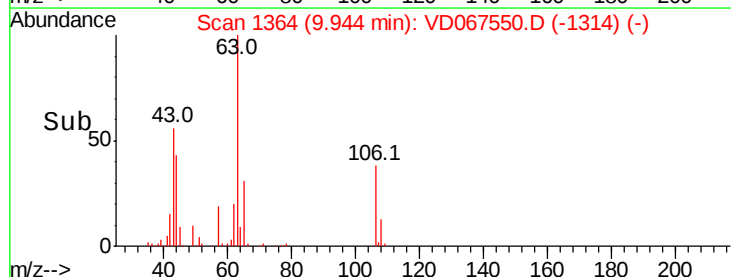
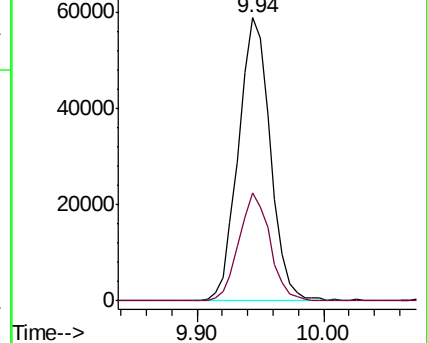
63 100

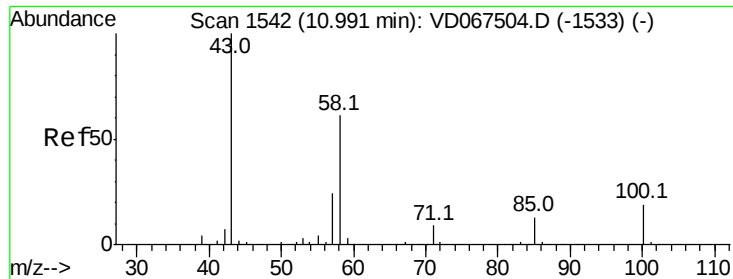
106 37.4 29.2 43.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

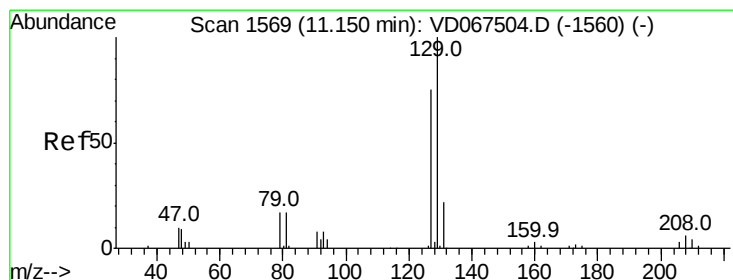
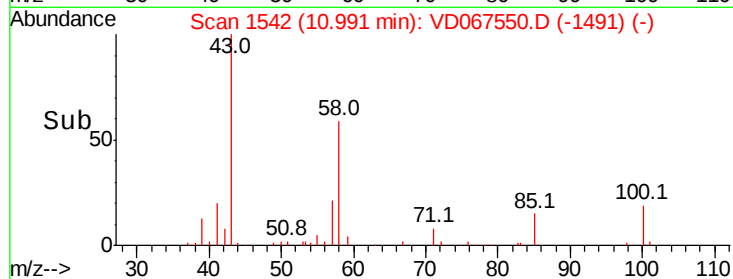
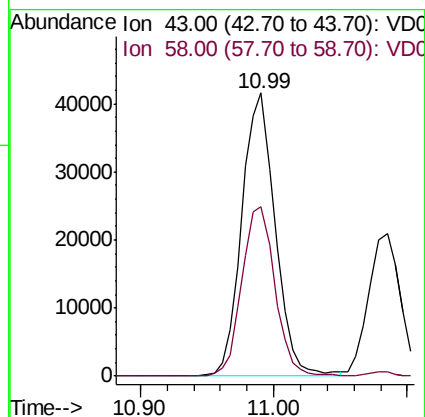
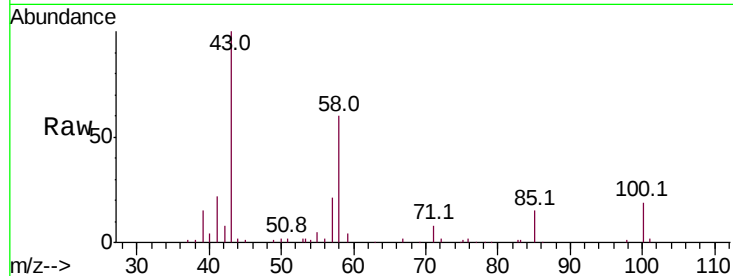




#59
2-Hexanone
Concen: 111.115 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

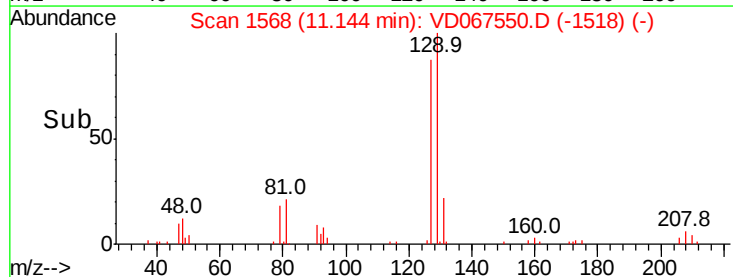
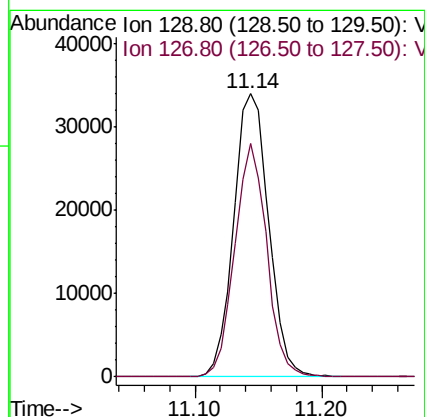
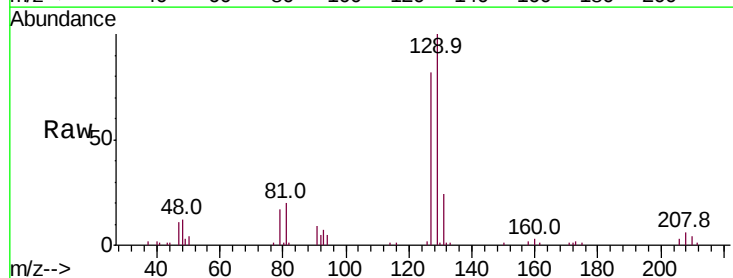
Instrument :
MSVOA_D
ClientSampleId :
VD1106SBSD01

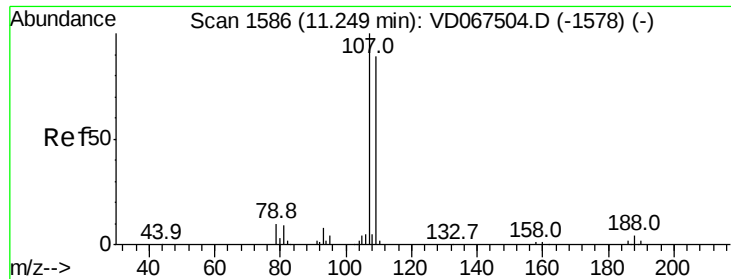
Tot Ion: 43 Resp: 71968
Ion Ratio Lower Upper
43 100
58 59.3 30.3 90.9



#60
Dibromochloromethane
Concen: 23.522 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

Tgt Ion: 129 Resp: 64671
Ion Ratio Lower Upper
129 100
127 75.4 38.0 114.1





#61

1,2-Dibromoethane

Concen: 22.452 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

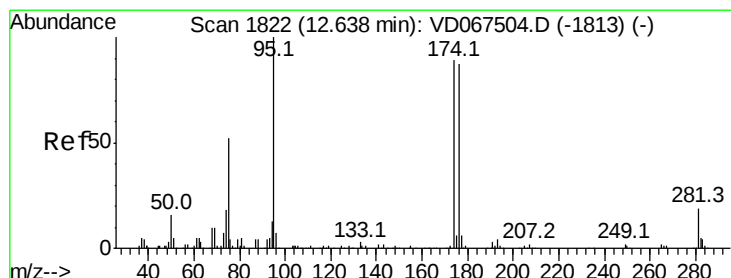
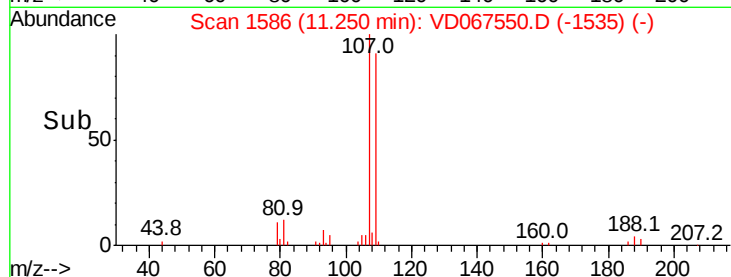
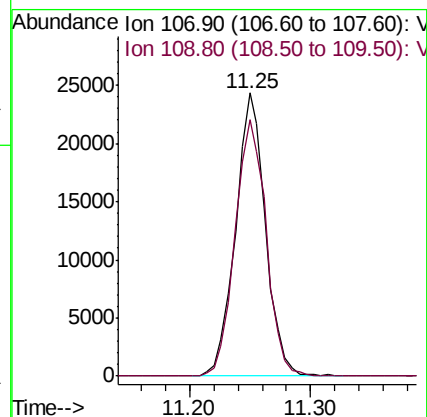
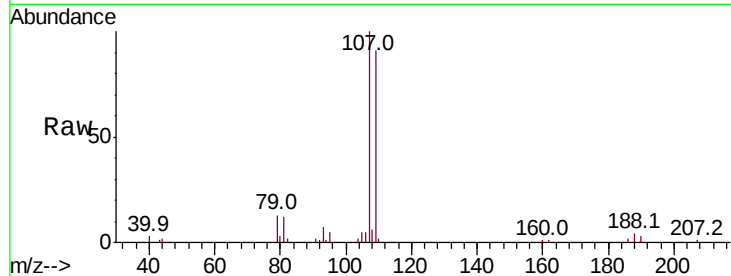
VD1106SBSD01

Tot Ion:107 Resp: 41881

Ion Ratio Lower Upper

107 100

109 94.0 74.6 111.8



#62

4-Bromofluorobenzene

Concen: 49.117 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

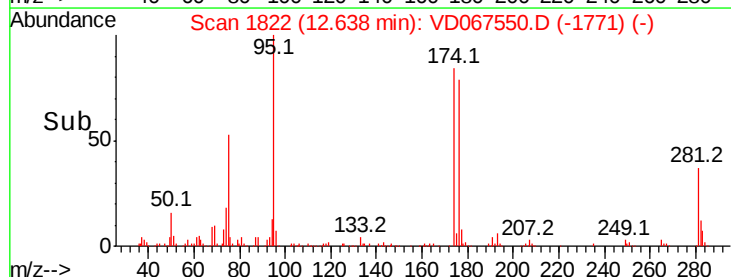
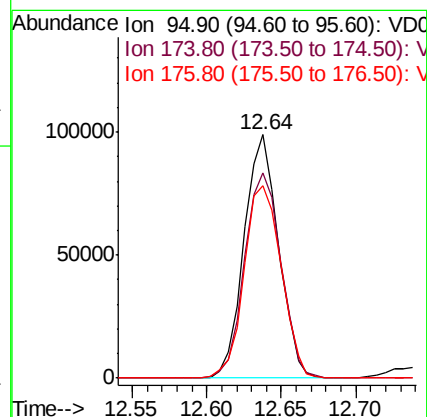
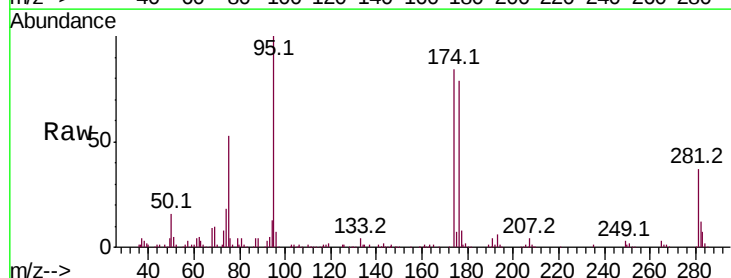
Tgt Ion: 95 Resp: 158231

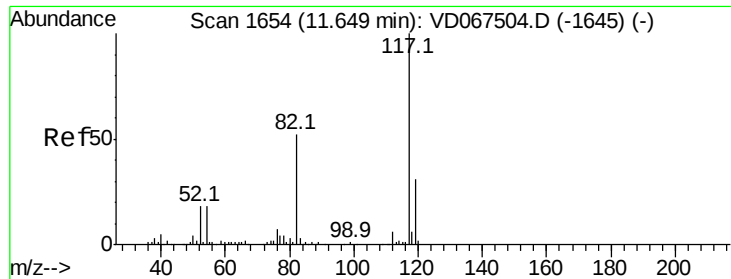
Ion Ratio Lower Upper

95 100

174 89.1 0.0 177.8

176 85.1 0.0 172.0

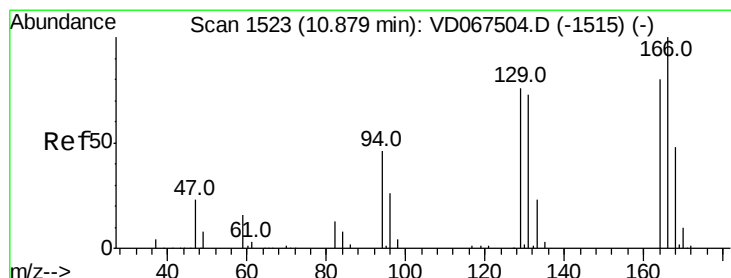
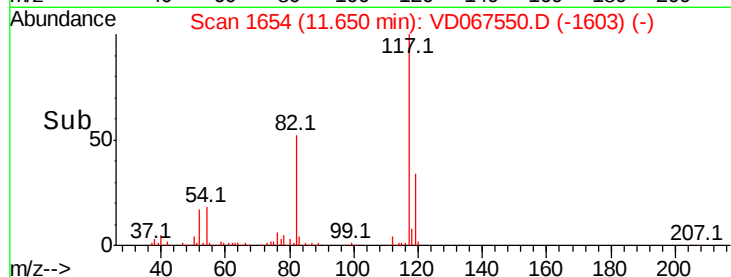
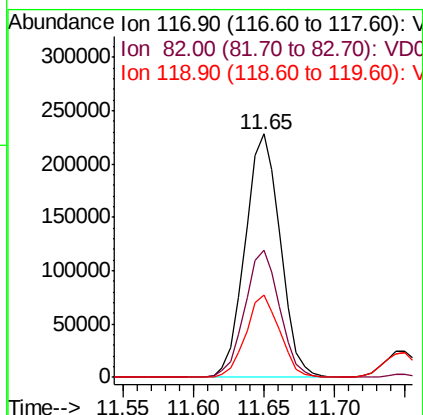
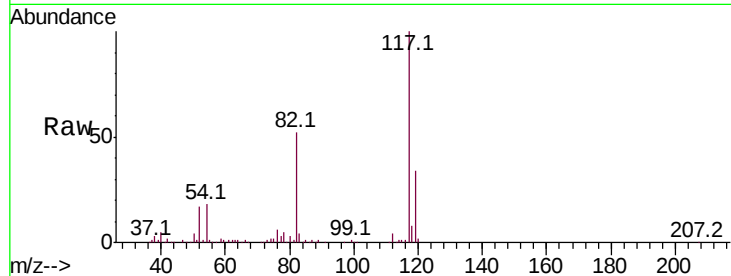




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

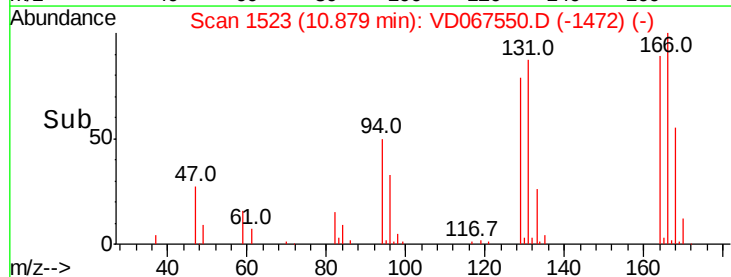
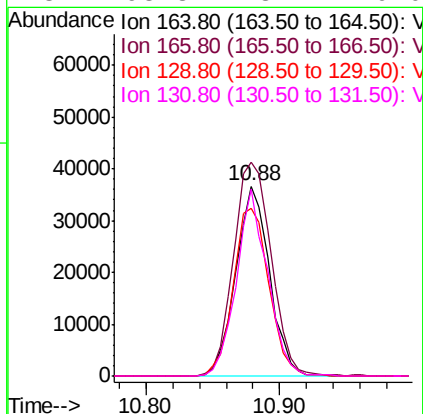
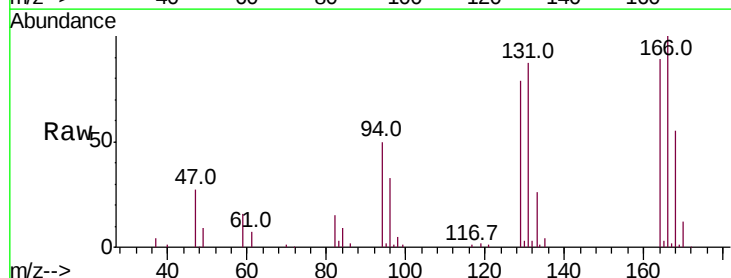
Instrument :
MSVOA_D
ClientSampleId :
VD1106SBSD01

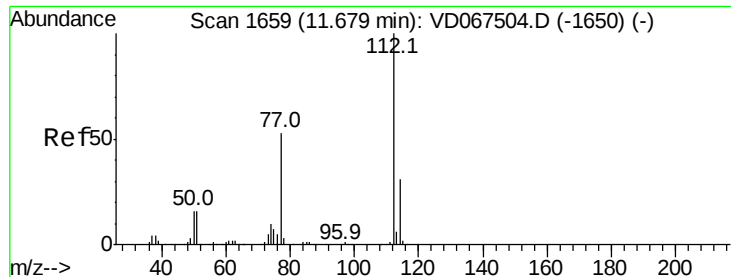
Tot Ion:117 Resp: 398629
Ion Ratio Lower Upper
117 100
82 52.4 41.6 62.4
119 33.6 25.1 37.7



#64
Tetrachloroethene
Concen: 21.801 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

Tgt Ion:164 Resp: 64362
Ion Ratio Lower Upper
164 100
166 112.4 99.9 149.9
129 88.6 75.5 113.3
131 98.3 73.4 110.0





#65

Chlorobenzene

Concen: 21.612 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

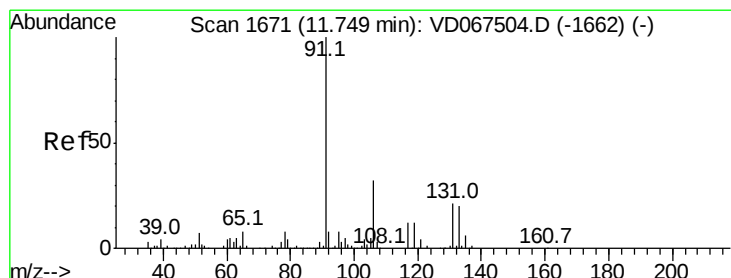
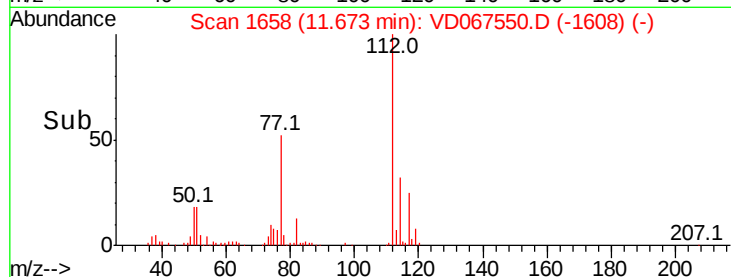
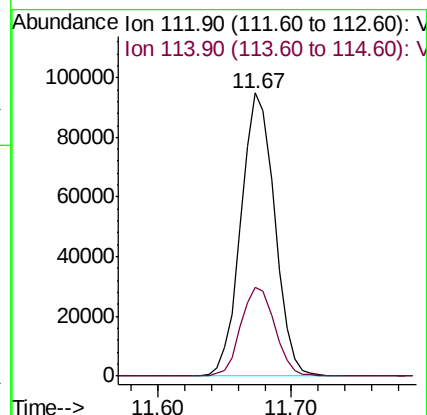
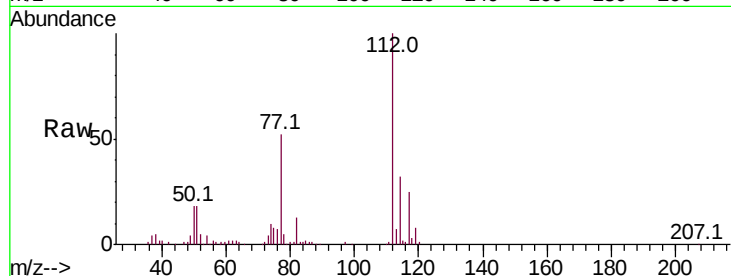
VD1106SBSD01

Tot Ion:112 Resp: 165955

Ion Ratio Lower Upper

112 100

114 31.5 24.9 37.3



#66

1,1,1,2-Tetrachloroethane

Concen: 22.388 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

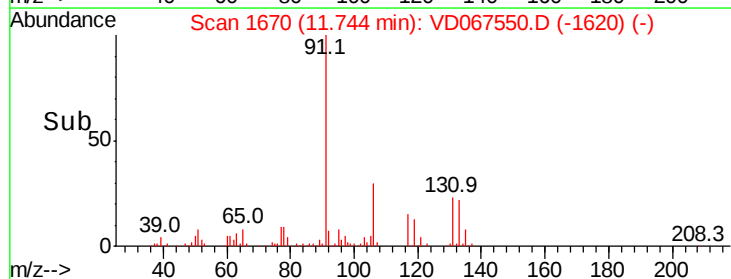
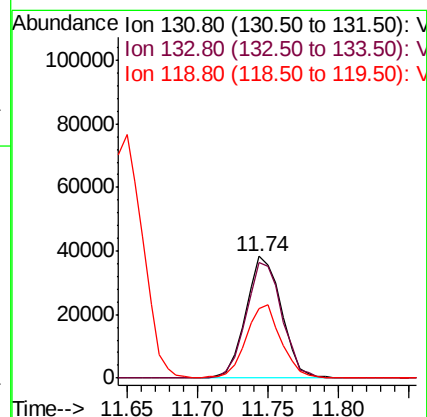
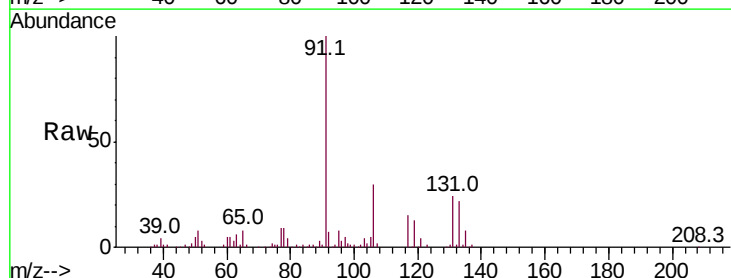
Tgt Ion:131 Resp: 67755

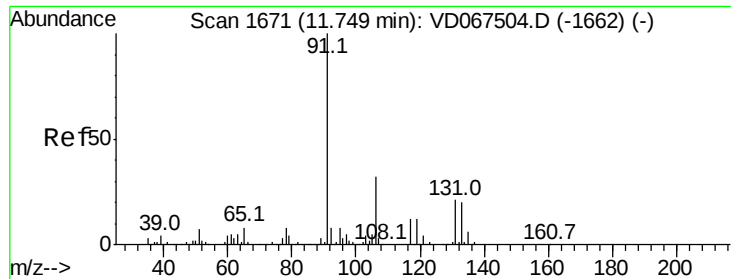
Ion Ratio Lower Upper

131 100

133 96.1 48.0 144.0

119 59.2 30.1 90.5





#67

Ethyl Benzene

Concen: 21.998 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

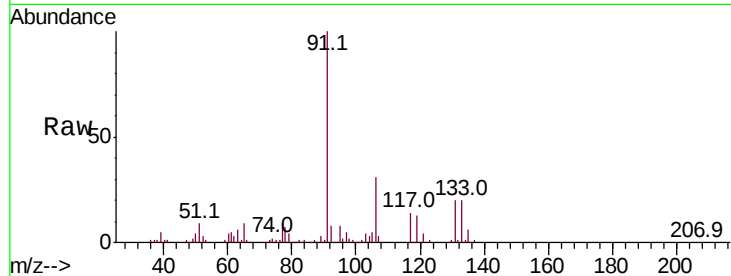
VD1106SBS01

Tot Ion: 91 Resp: 289042

Ion Ratio Lower Upper

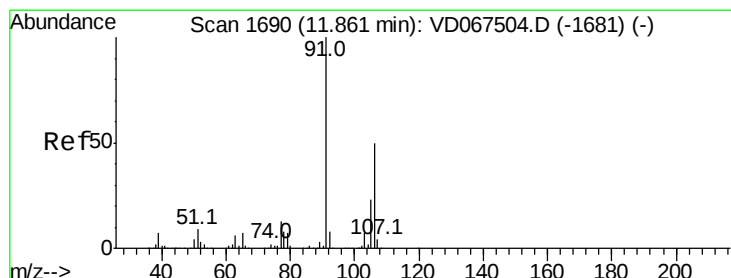
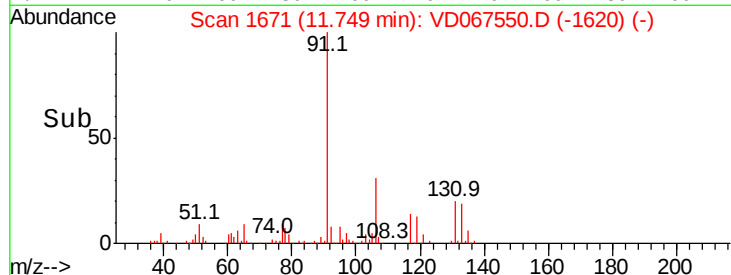
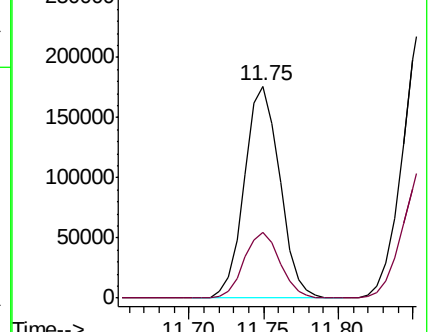
91 100

106 30.8 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 43.563 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD067550.D

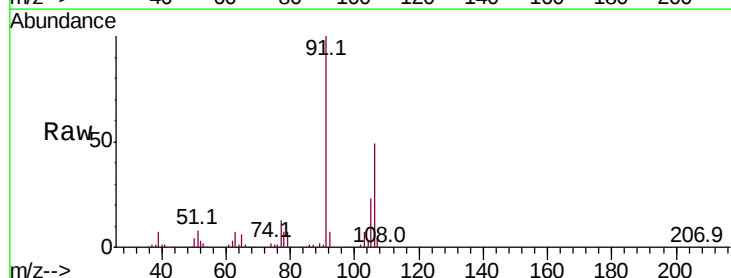
Acq: 06 Nov 2020 14:11

Tgt Ion: 106 Resp: 222693

Ion Ratio Lower Upper

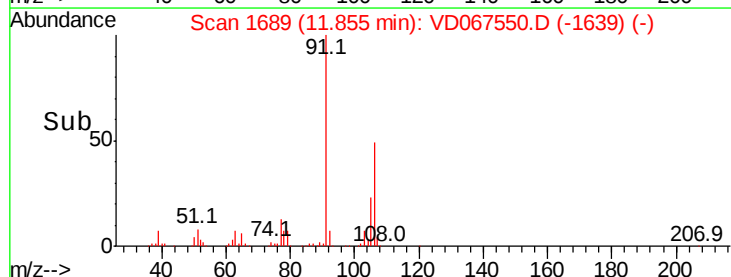
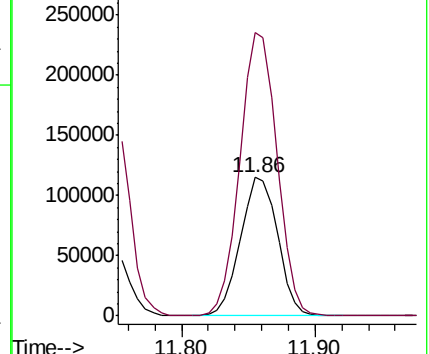
106 100

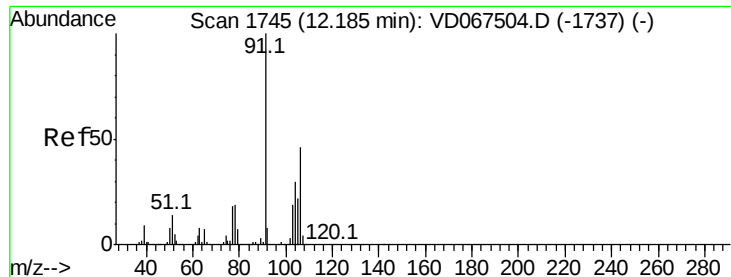
91 203.9 162.6 244.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

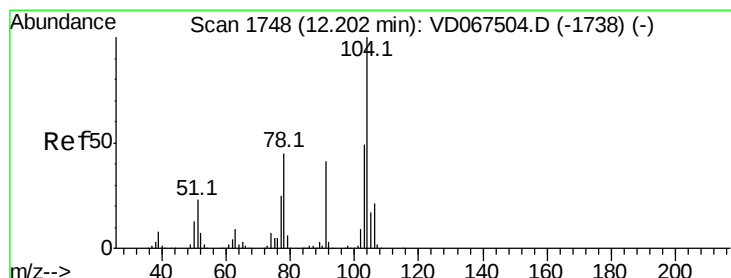
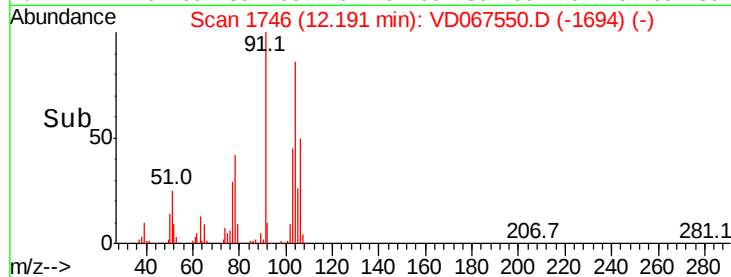
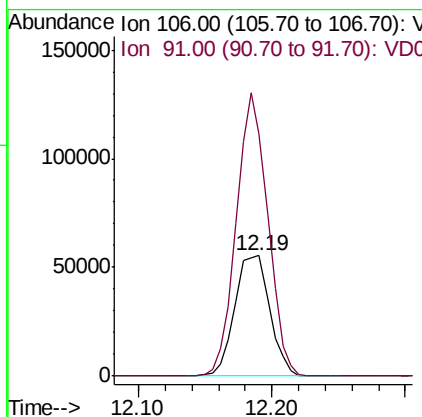
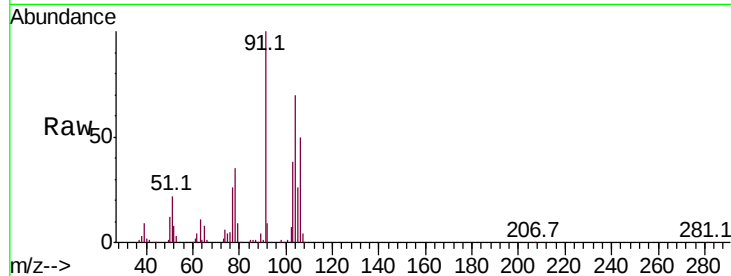




#69
o-Xylene
Concen: 22.188 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

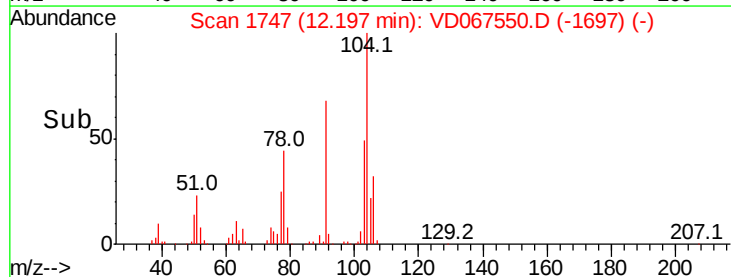
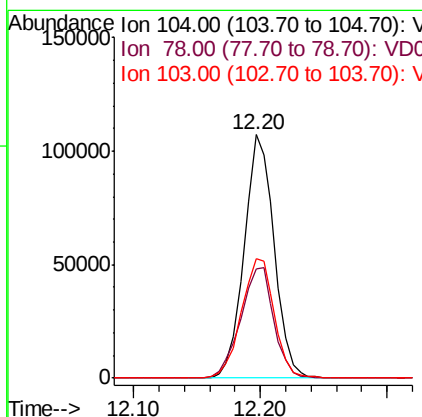
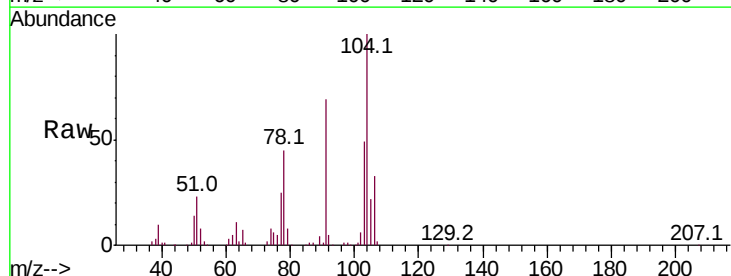
Instrument :
MSVOA_D
ClientSampleId :
VD1106SBSD01

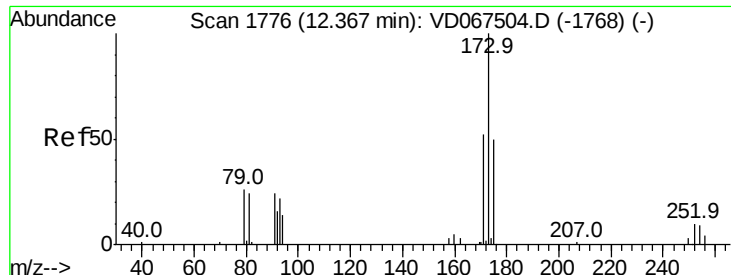
Tot Ion:106 Resp: 101269
Ion Ratio Lower Upper
106 100
91 210.7 107.1 321.1



#70
Styrene
Concen: 22.144 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

Tgt Ion:104 Resp: 176114
Ion Ratio Lower Upper
104 100
78 50.3 39.8 59.8
103 53.9 43.9 65.9





#71

Bromoform

Concen: 23.463 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

VD1106SBSD01

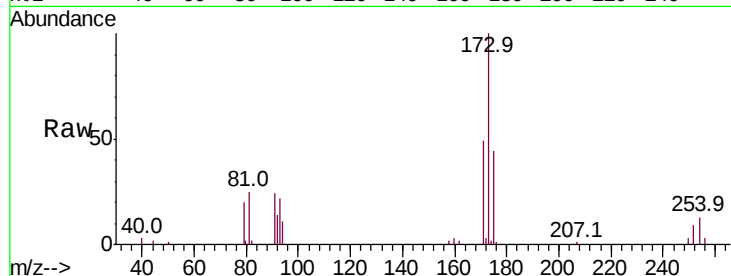
Tot Ion:173 Resp: 36215

Ion Ratio Lower Upper

173 100

175 46.8 24.1 72.2

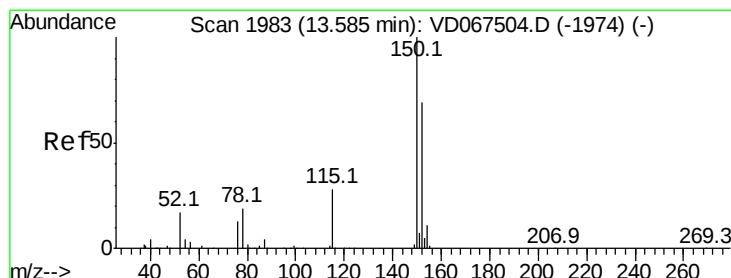
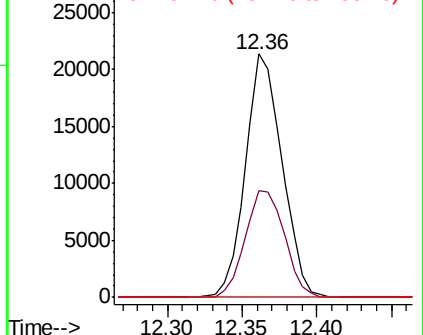
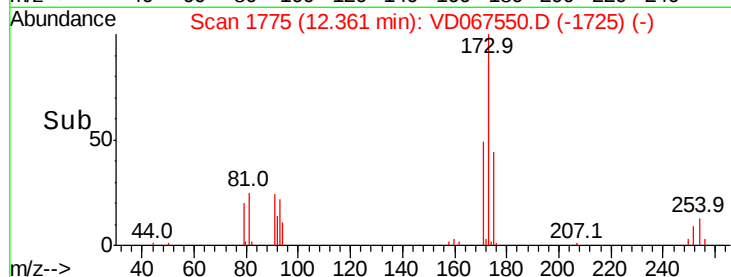
254 0.0 0.0 0.0



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: VD067550.D

Acq: 06 Nov 2020 14:11

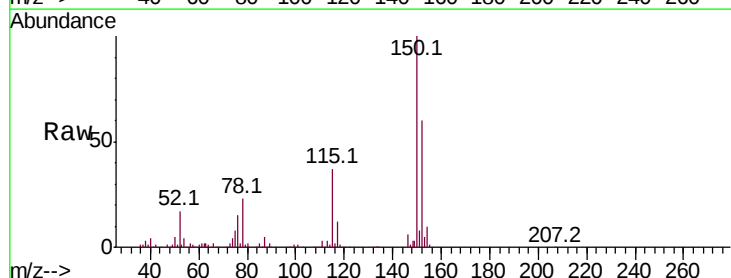
Tgt Ion:152 Resp: 199558

Ion Ratio Lower Upper

152 100

115 60.4 29.3 88.0

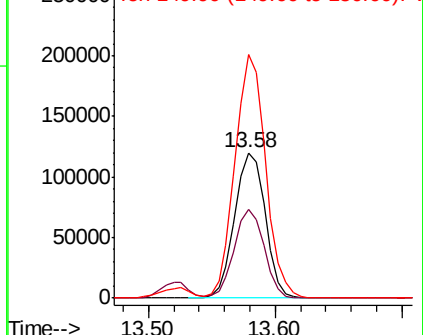
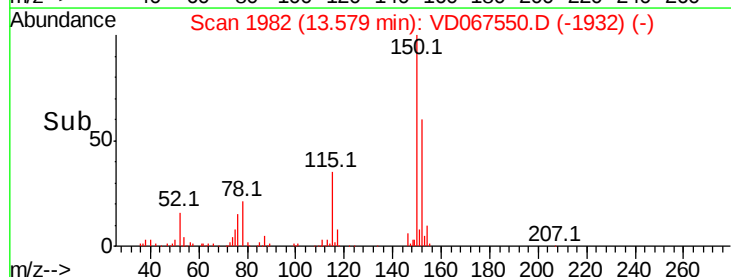
150 168.8 0.0 338.2

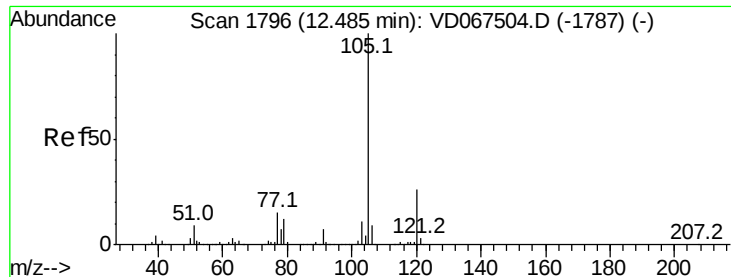


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.521 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

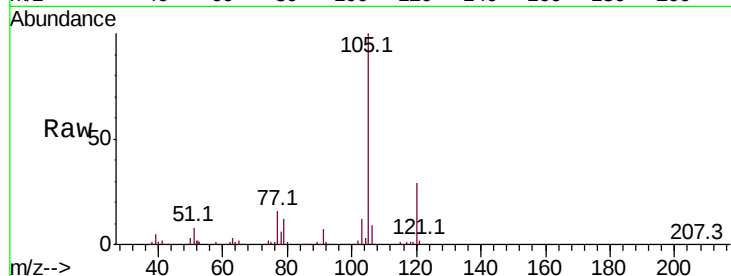
VD1106SBSD01

Tot Ion:105 Resp: 277556

Ion Ratio Lower Upper

105 100

120 26.6 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

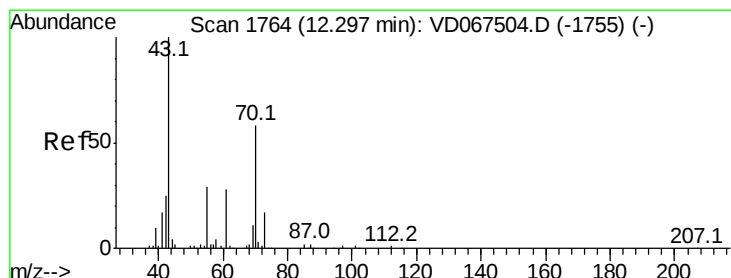
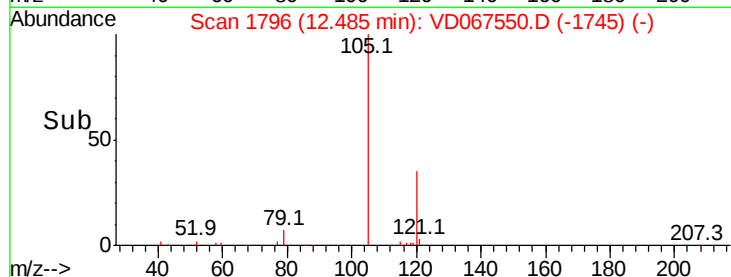
150000

100000

50000

0

Time--> 12.40 12.45 12.50 12.55



#74

N-ethyl acetate

Concen: 21.792 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Tgt Ion: 43 Resp: 36982

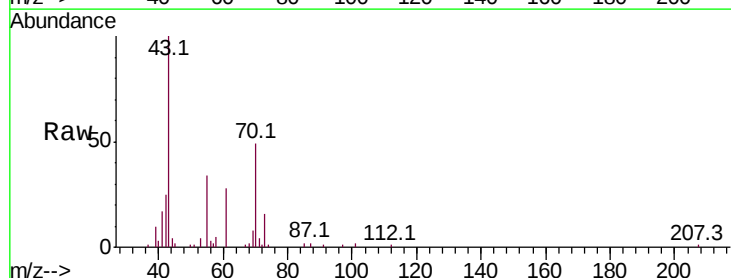
Ion Ratio Lower Upper

43 100

70 52.9 42.6 64.0

55 31.7 23.7 35.5

61 27.0 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

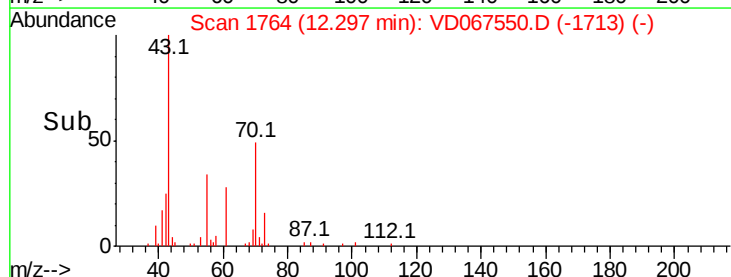
30000

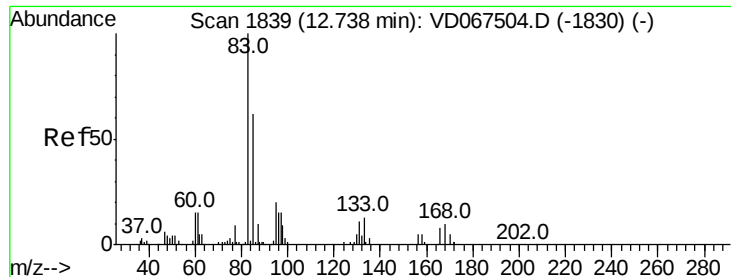
20000

10000

0

Time--> 12.20 12.25 12.30 12.35





#75

1,1,2,2-Tetrachloroethane

Concen: 22.681 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

VD1106SBSD01

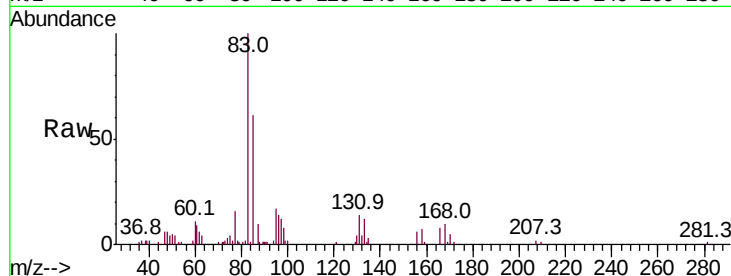
Tot Ion: 83 Resp: 39889

Ion Ratio Lower Upper

83 100

131 14.0 7.1 21.3

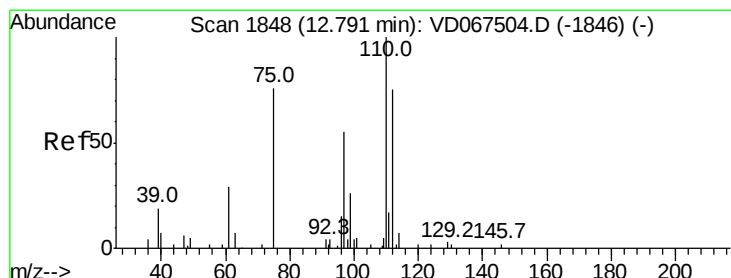
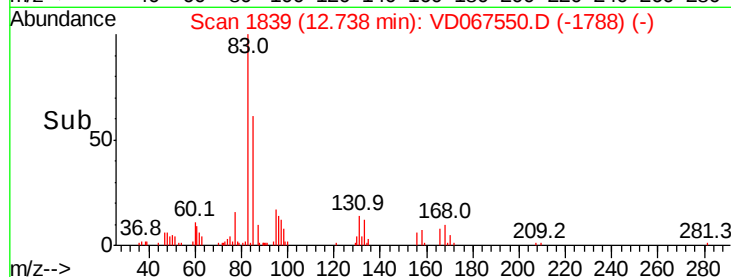
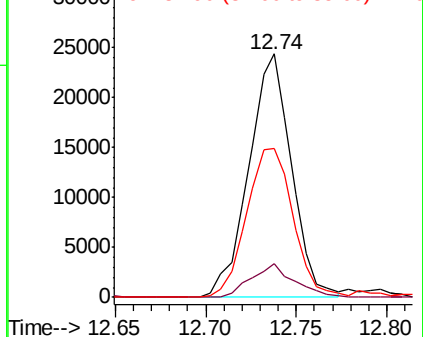
85 66.7 32.9 98.7



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: 48.884 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD067550.D

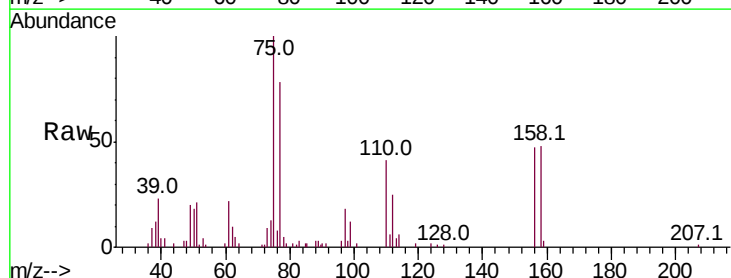
Acq: 06 Nov 2020 14:11

Tgt Ion: 75 Resp: 58849

Ion Ratio Lower Upper

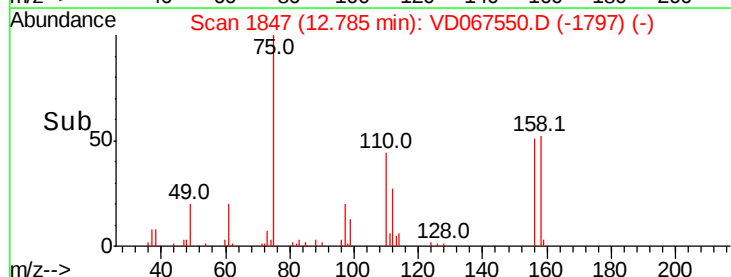
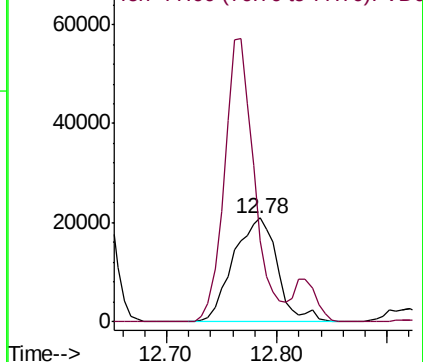
75 100

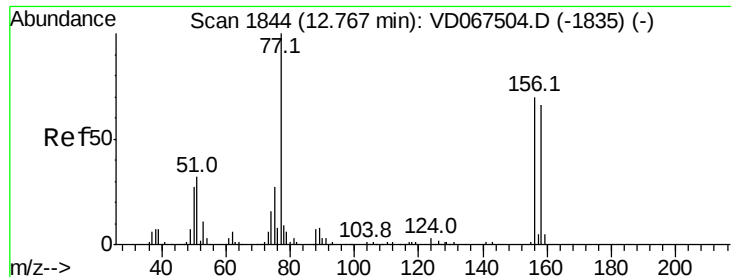
77 184.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 21.478 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

VD1106SBSD01

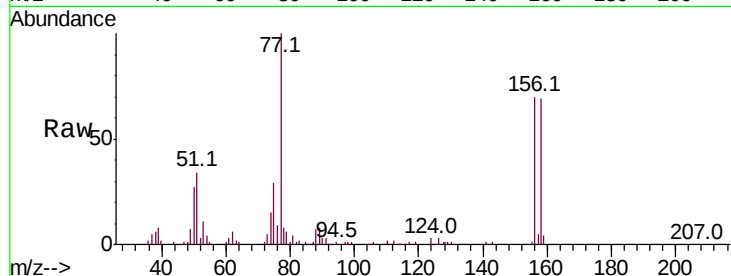
Tot Ion:156 Resp: 68029

Ion Ratio Lower Upper

156 100

77 159.8 77.8 233.5

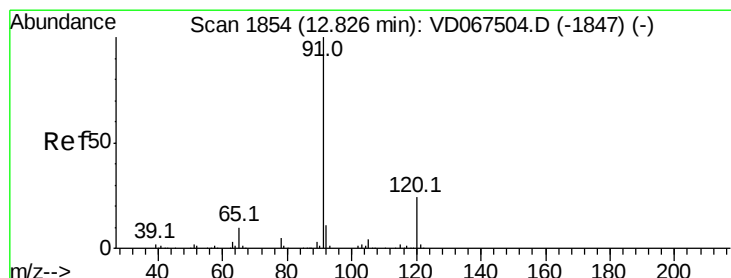
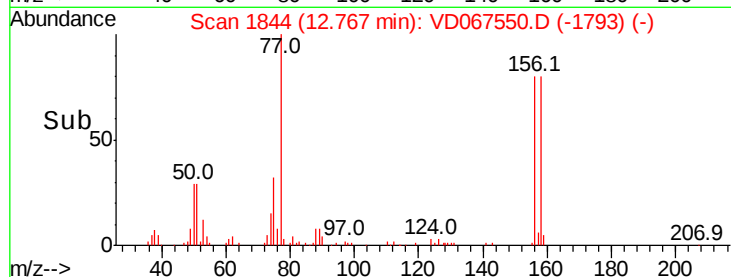
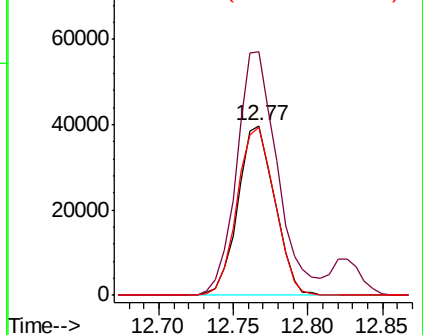
158 101.1 47.9 143.7



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: 21.418 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067550.D

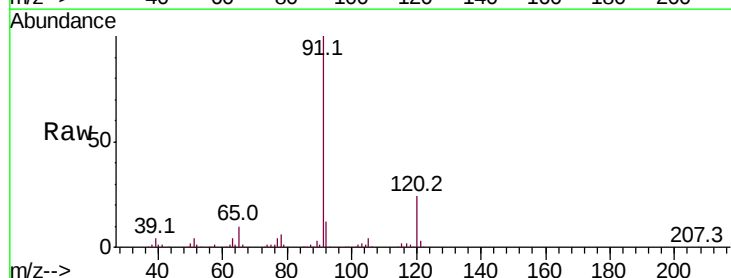
Acq: 06 Nov 2020 14:11

Tgt Ion: 91 Resp: 315963

Ion Ratio Lower Upper

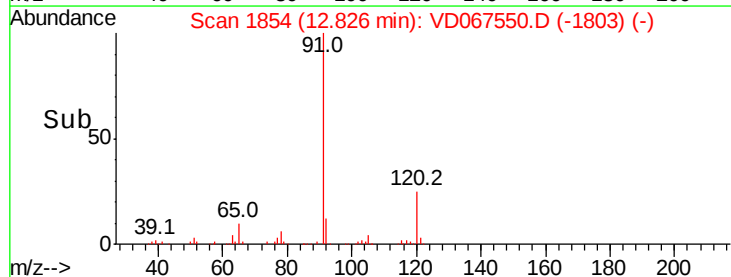
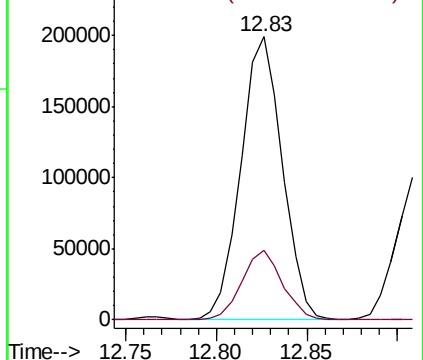
91 100

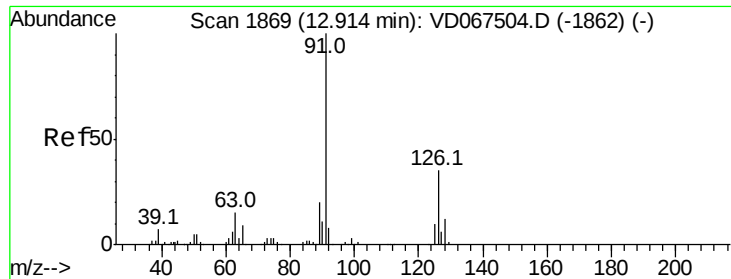
120 23.9 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.869 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

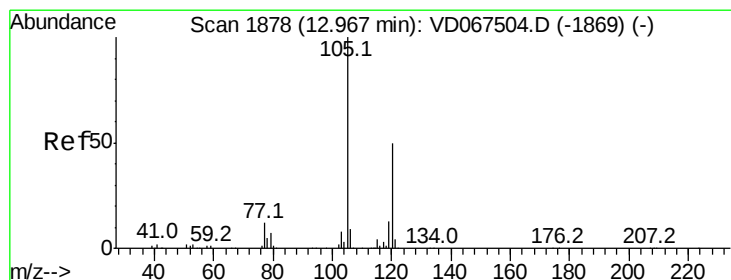
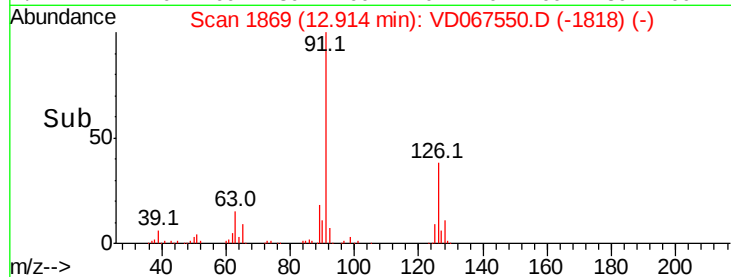
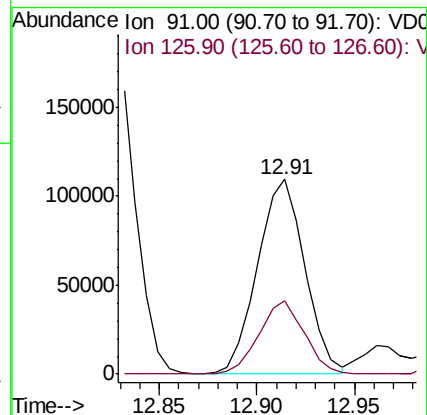
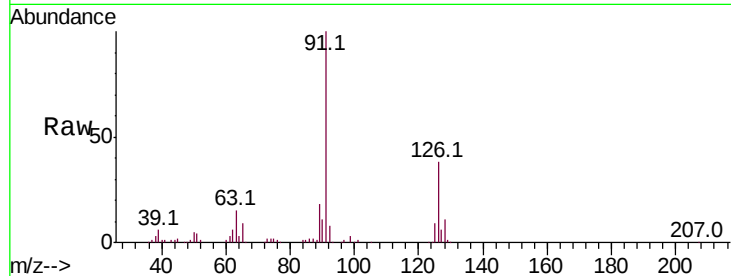
VD1106SBS01

Tot Ion: 91 Resp: 183257

Ion Ratio Lower Upper

91 100

126 36.3 17.8 53.4



#80

1,3,5-Trimethylbenzene

Concen: 22.058 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067550.D

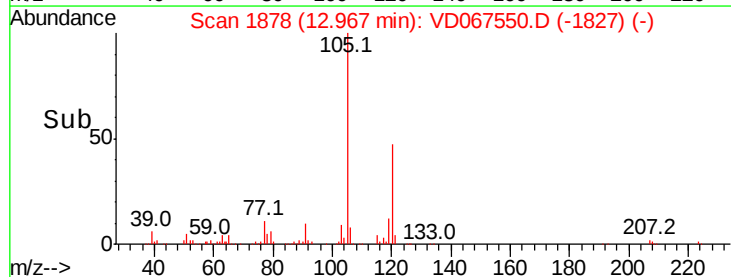
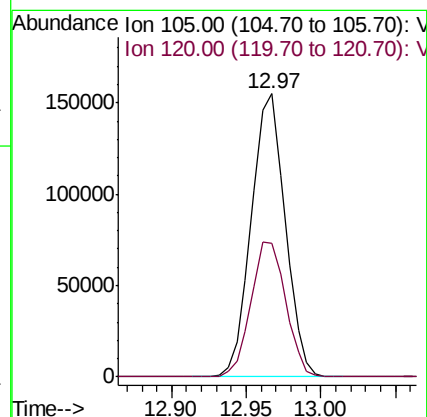
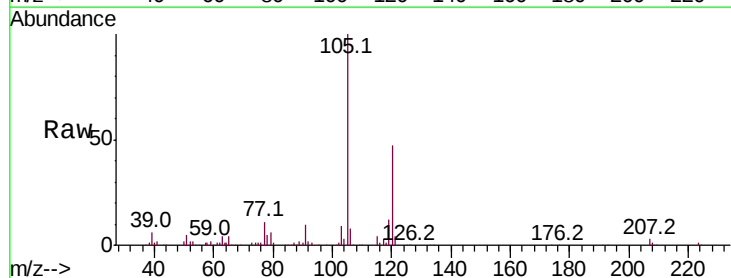
Acq: 06 Nov 2020 14:11

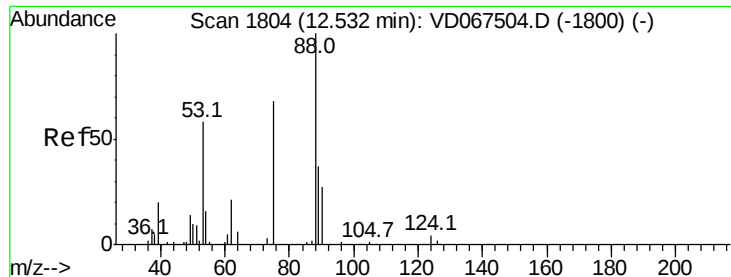
Tgt Ion:105 Resp: 243018

Ion Ratio Lower Upper

105 100

120 49.1 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 21.732 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

VD1106SBSD01

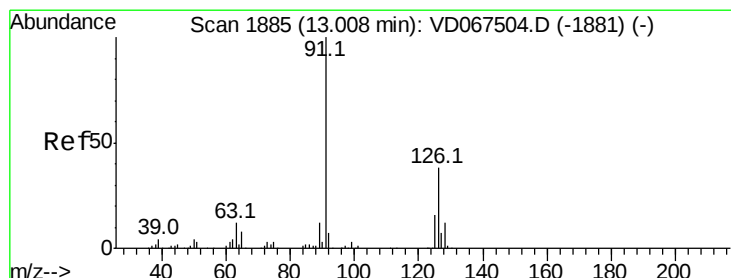
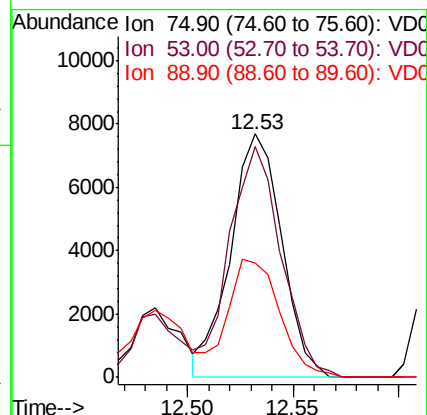
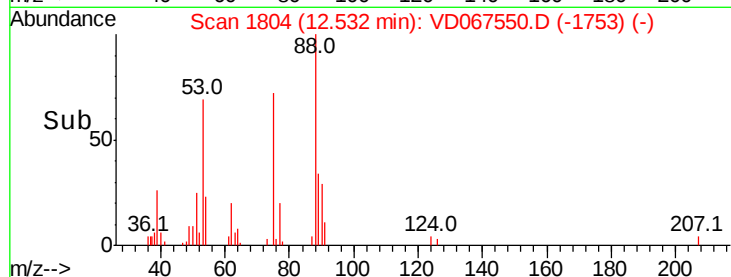
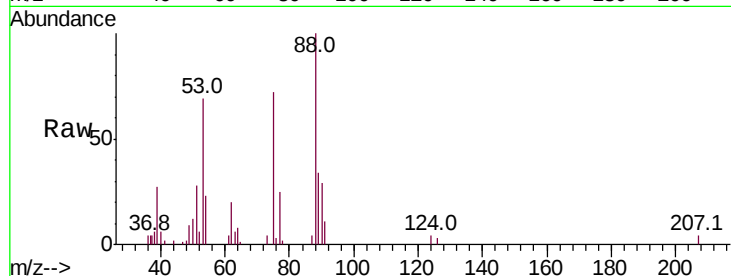
Tot Ion: 75 Resp: 12886

Ion Ratio Lower Upper

75 100

53 96.4 75.9 113.9

89 48.3 44.6 67.0



#82

4-Chlorotoluene

Concen: 21.898 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD067550.D

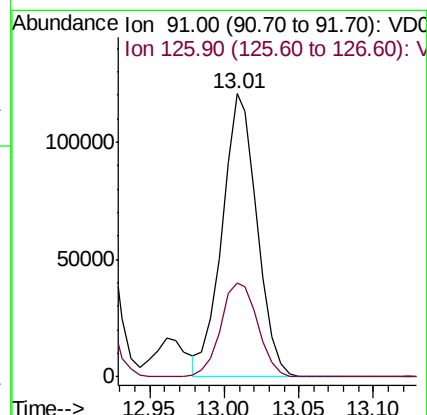
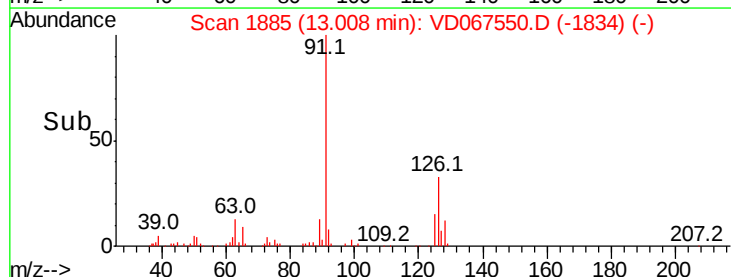
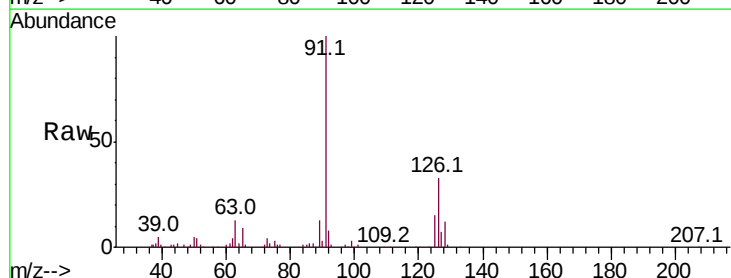
Acq: 06 Nov 2020 14:11

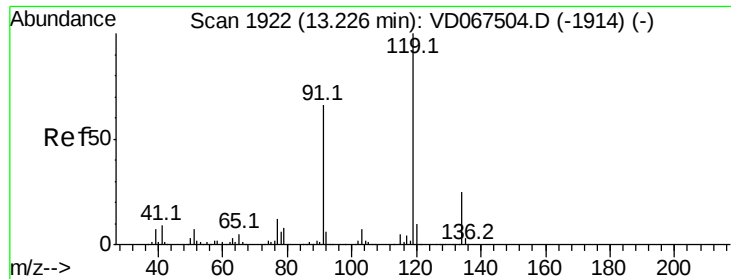
Tgt Ion: 91 Resp: 196811

Ion Ratio Lower Upper

91 100

126 35.4 17.9 53.7

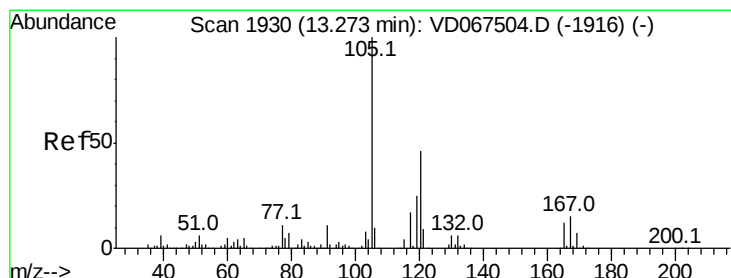
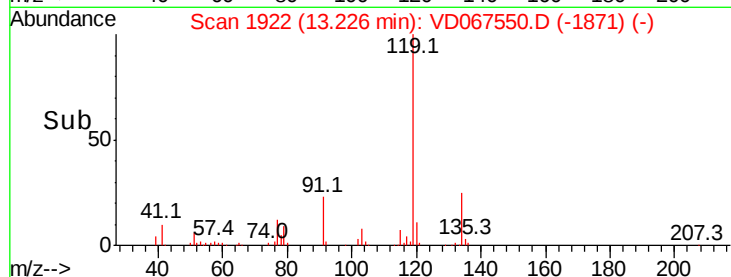
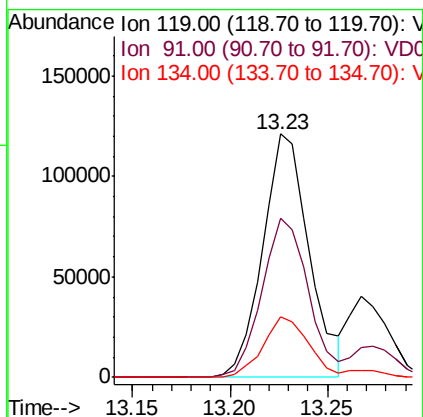
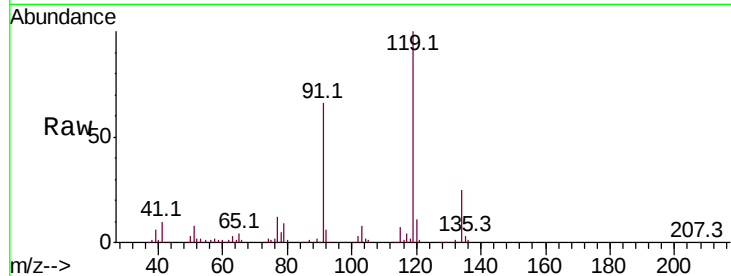




#83
tert-Butylbenzene
Concen: 21.465 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

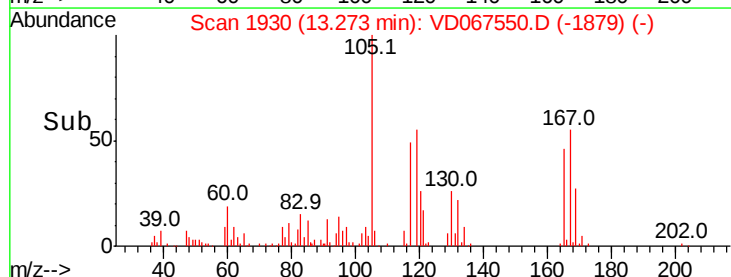
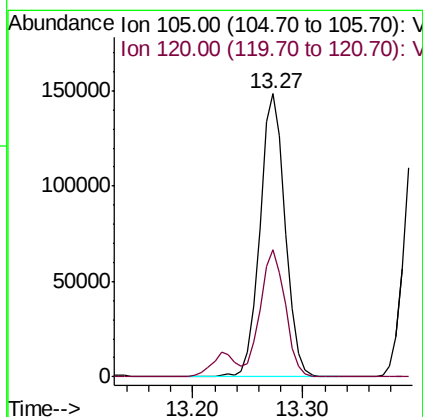
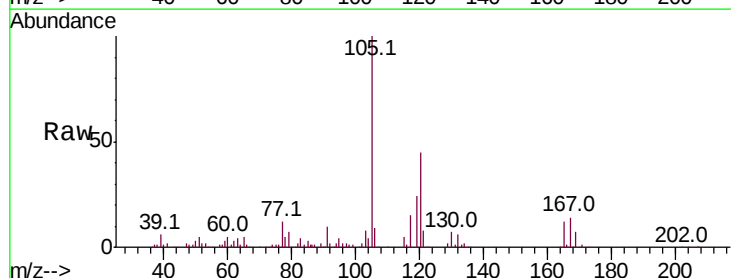
Instrument :
MSVOA_D
ClientSampleId :
VD1106SBSD01

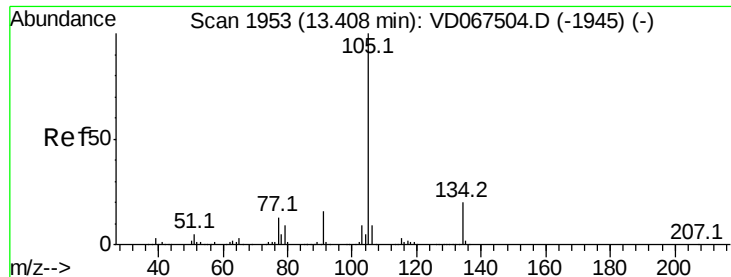
Tot Ion:119 Resp: 200423
Ion Ratio Lower Upper
119 100
91 65.0 32.7 98.1
134 25.4 13.4 40.2



#84
1,2,4-Trimethylbenzene
Concen: 21.688 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

Tgt Ion:105 Resp: 237844
Ion Ratio Lower Upper
105 100
120 44.3 22.1 66.1

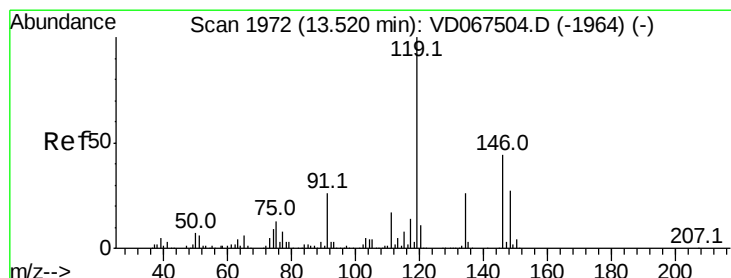
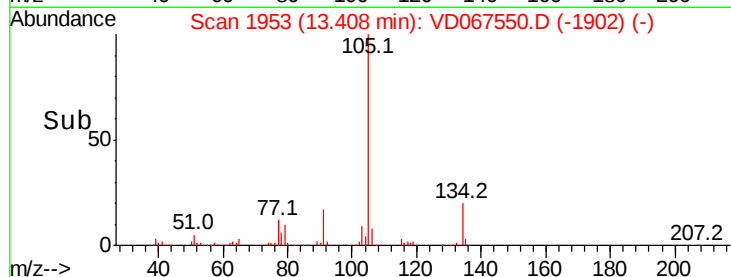
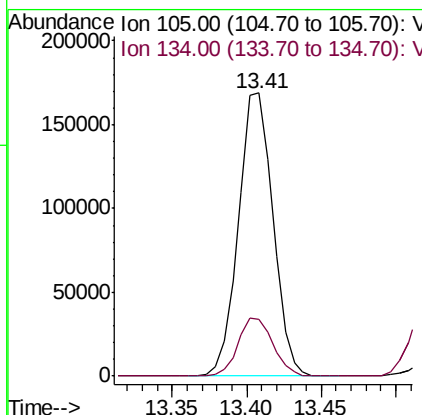
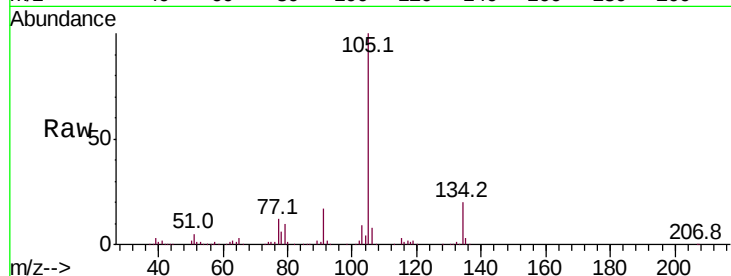




#85
 sec-Butylbenzene
 Concen: 21.497 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067550.D
 Acq: 06 Nov 2020 14:11

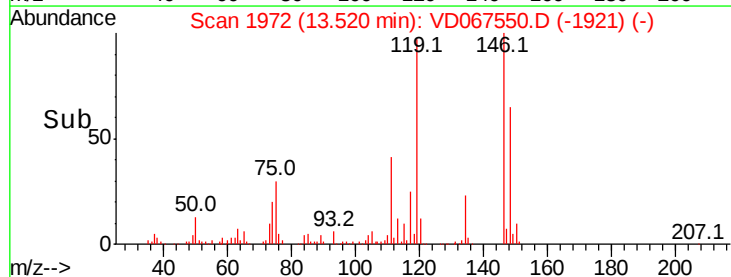
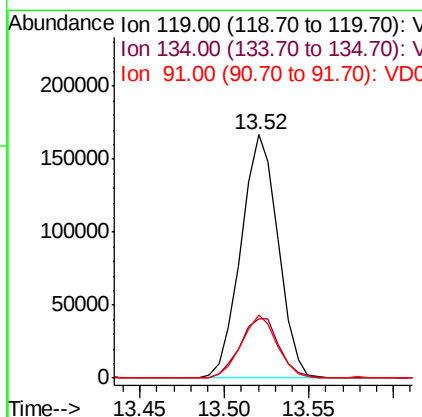
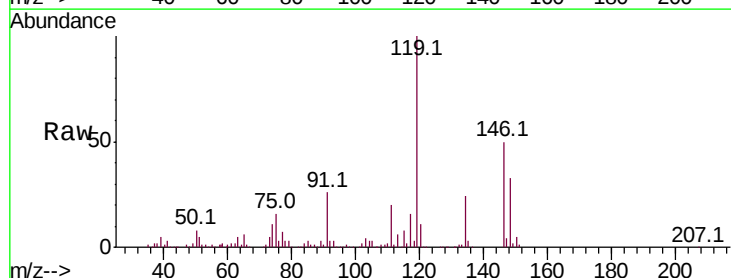
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1106SBS01

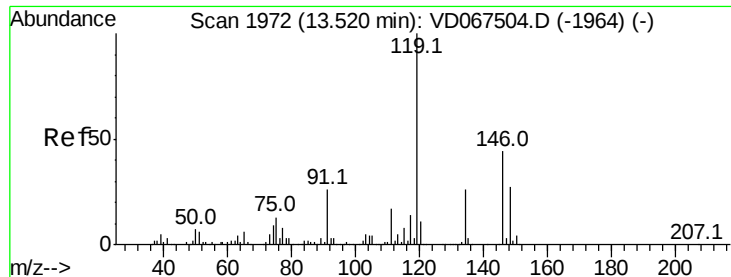
Tot Ion:105 Resp: 270972
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.4 31.4



#86
 p-Isopropyltoluene
 Concen: 20.977 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067550.D
 Acq: 06 Nov 2020 14:11

Tgt Ion:119 Resp: 255332
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.1 39.3
 91 25.1 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 22.335 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

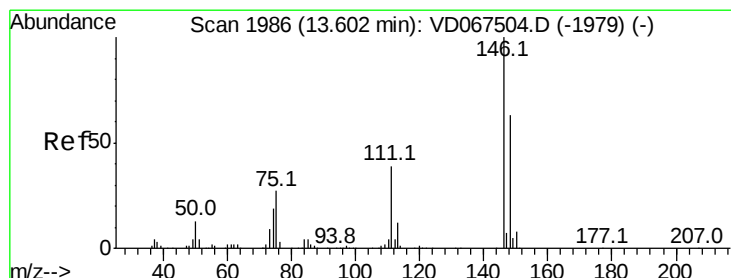
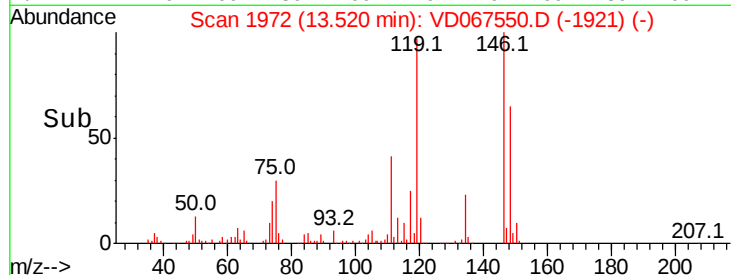
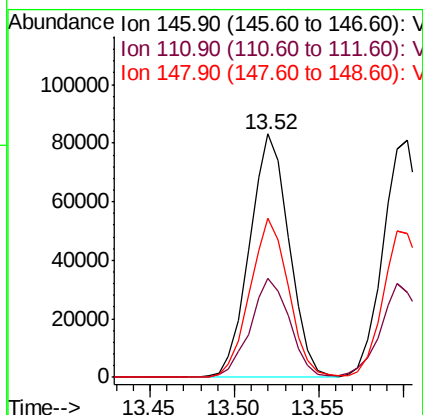
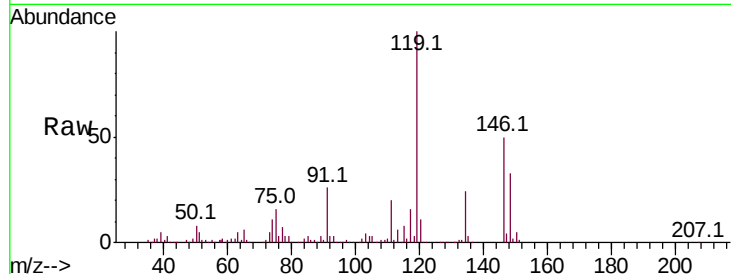
Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Instrument :
MSVOA_D
ClientSampleId :
VD1106SBSD01

Tot Ion:146 Resp: 134989

Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.3	60.8
148	63.9	31.9	95.9



#88

1,4-Dichlorobenzene

Concen: 22.160 ug/l

RT: 13.60 min Scan# 1986

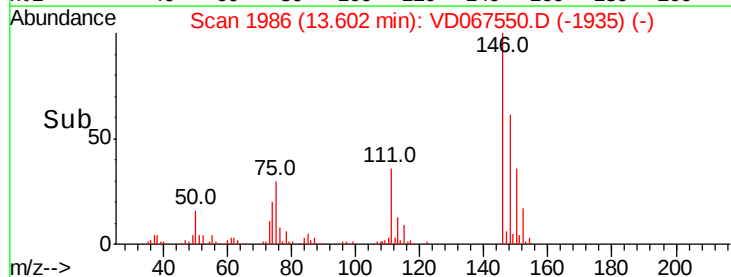
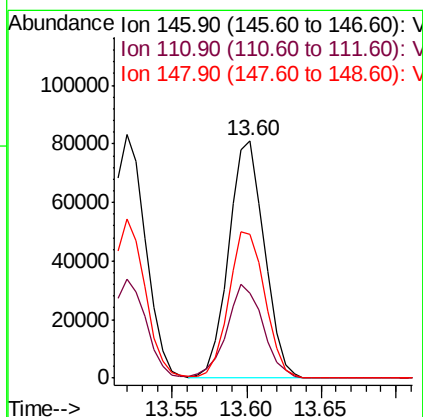
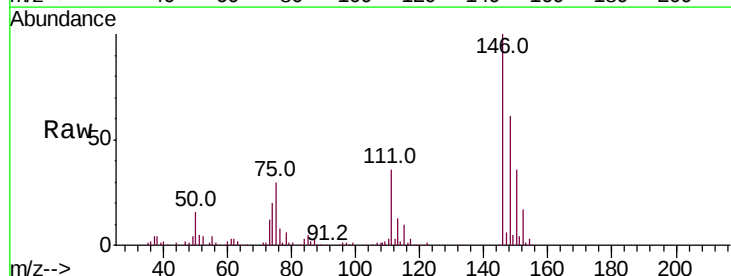
Delta R.T. 0.00 min

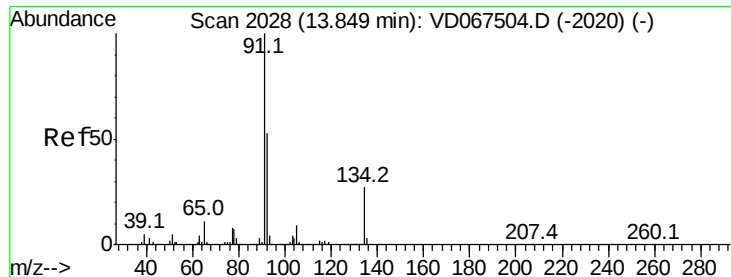
Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Tgt Ion:146 Resp: 135614

Ion	Ratio	Lower	Upper
146	100		
111	40.4	19.6	58.7
148	62.7	31.8	95.4

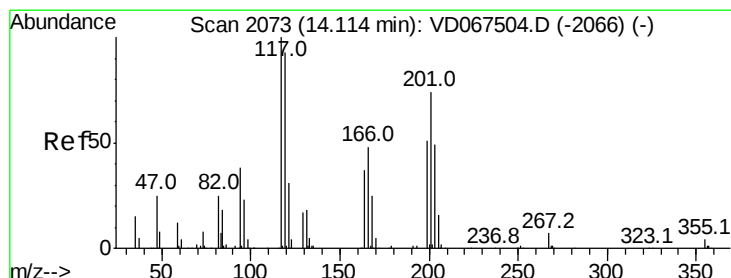
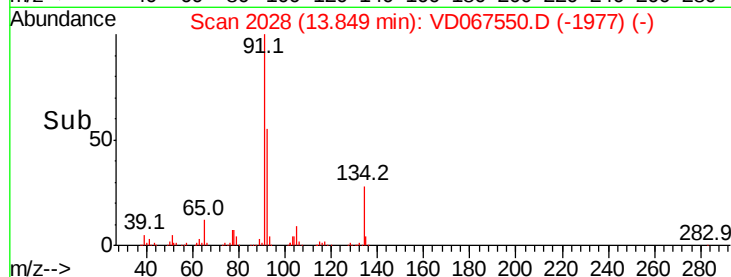
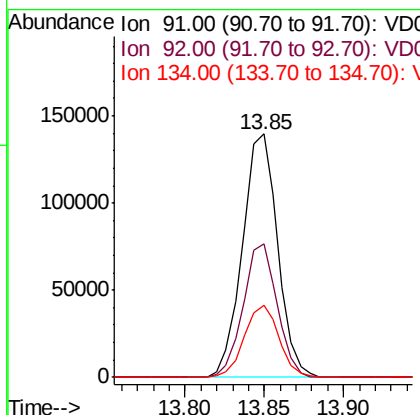
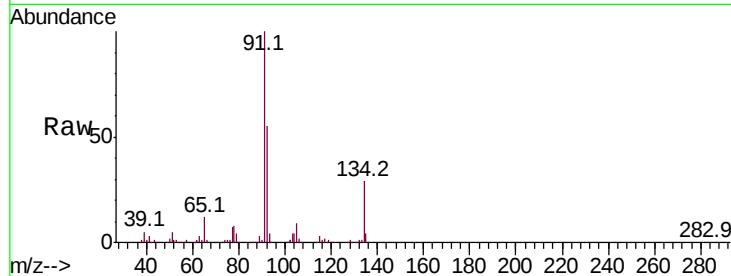




#89
n-Butylbenzene
Concen: 20.474 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

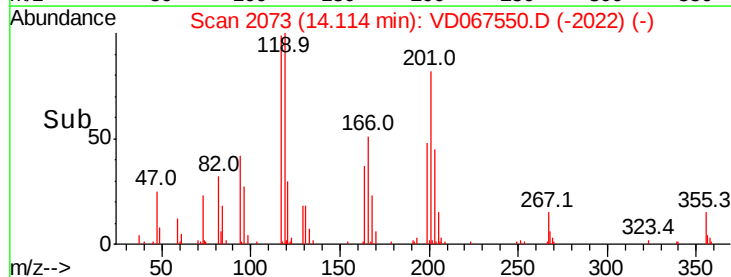
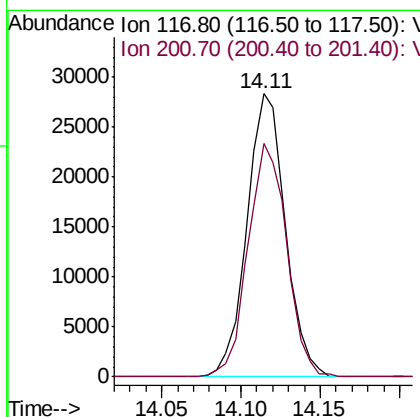
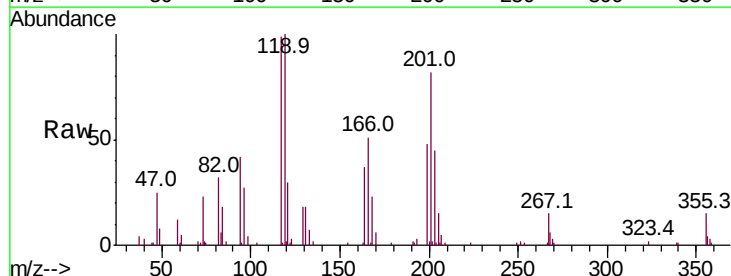
Instrument :
MSVOA_D
ClientSampleId :
VD1106SBS01

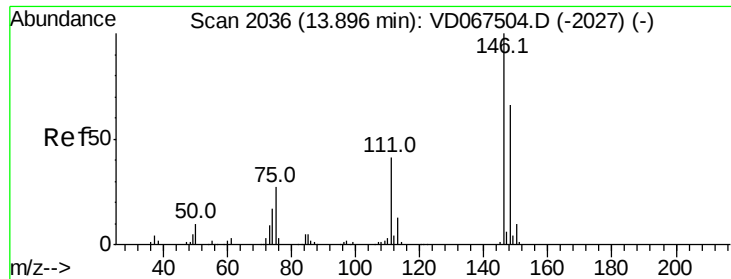
Tot Ion: 91 Resp: 215256
Ion Ratio Lower Upper
91 100
92 52.8 26.6 79.8
134 29.1 14.1 42.2



#90
Hexachloroethane
Concen: 20.834 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067550.D
Acq: 06 Nov 2020 14:11

Tgt Ion: 117 Resp: 47756
Ion Ratio Lower Upper
117 100
201 82.8 40.7 122.1

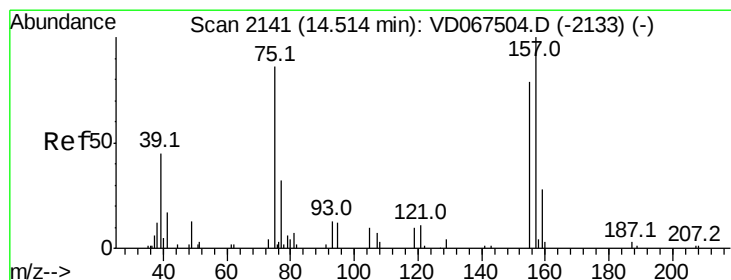
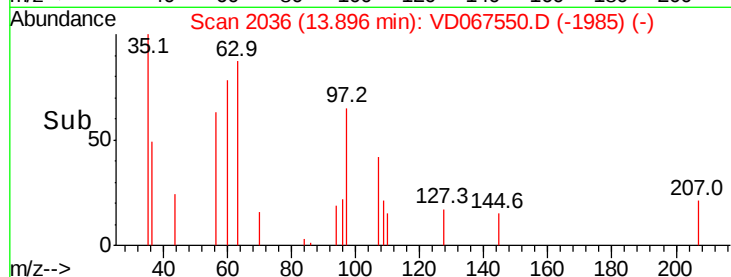
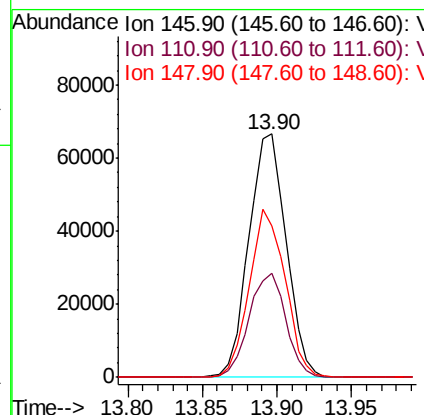
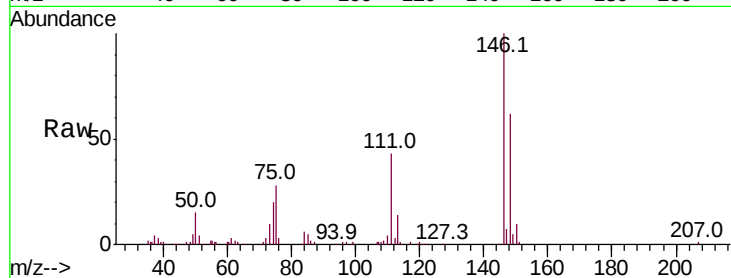




#91
 1,2-Dichlorobenzene
 Concen: 21.999 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067550.D
 Acq: 06 Nov 2020 14:11

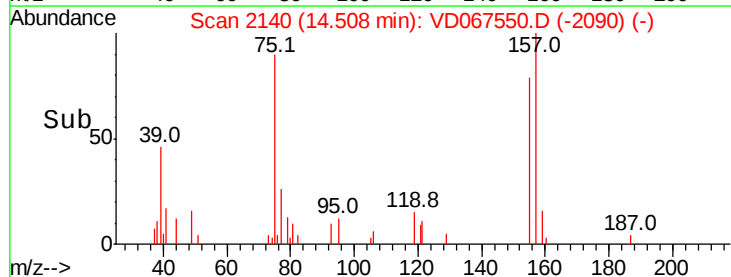
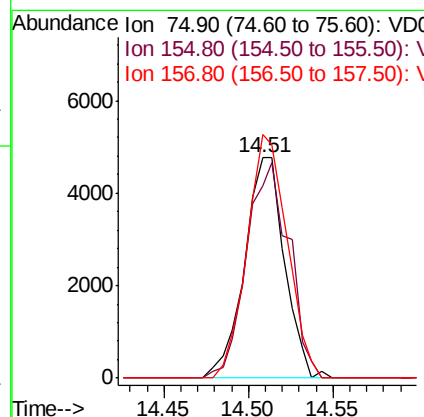
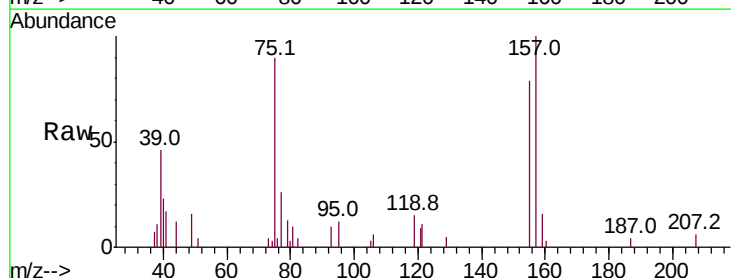
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1106SBSD01

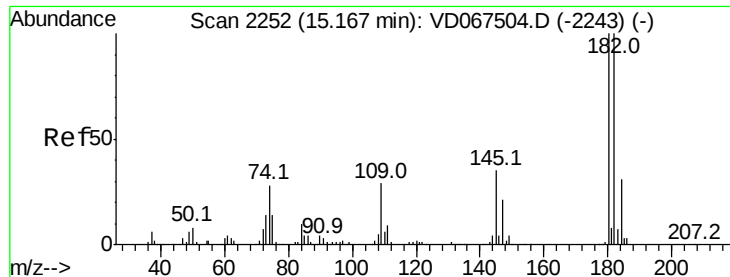
Tot Ion:146 Resp: 115068
 Ion Ratio Lower Upper
 146 100
 111 42.0 20.7 62.1
 148 66.4 31.5 94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 25.268 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067550.D
 Acq: 06 Nov 2020 14:11

Tgt Ion: 75 Resp: 7868
 Ion Ratio Lower Upper
 75 100
 155 103.6 46.6 139.8
 157 111.0 58.1 174.2

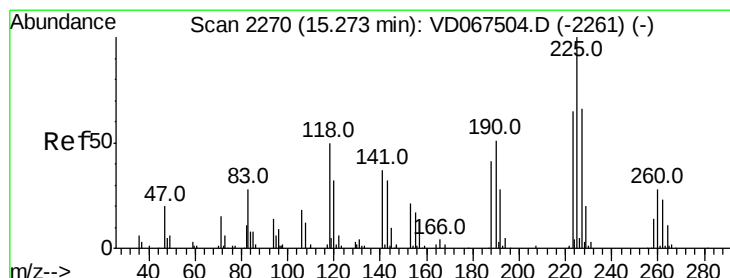
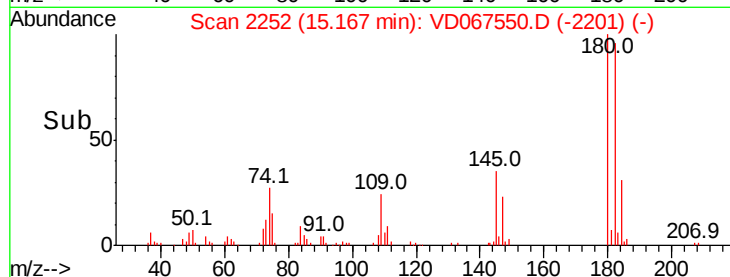
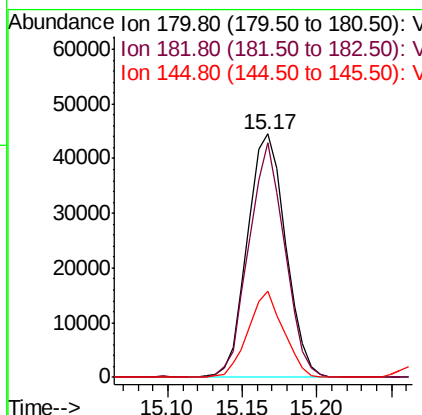
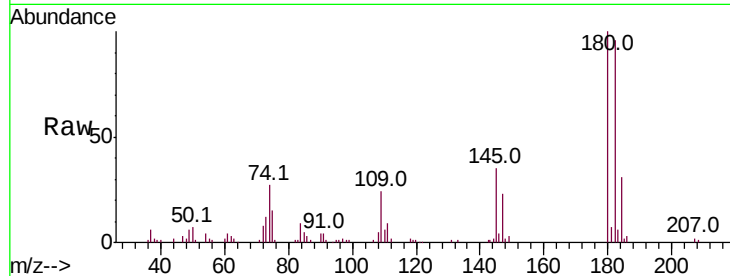




#93
 1,2,4-Trichlorobenzene
 Concen: 22.228 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD067550.D
 Acq: 06 Nov 2020 14:11

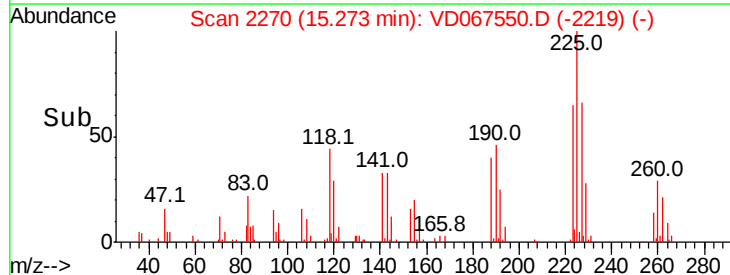
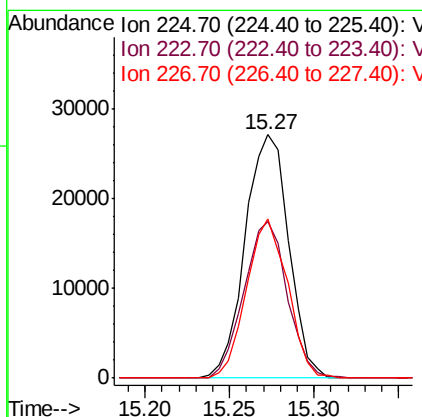
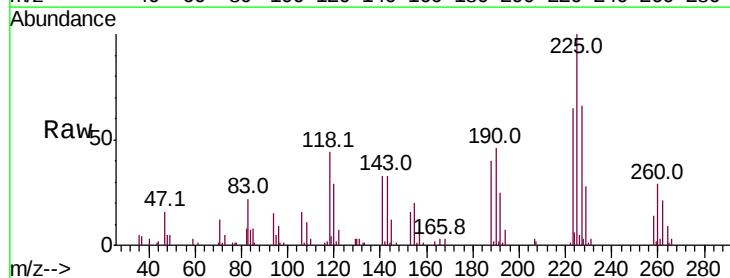
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1106SBSD01

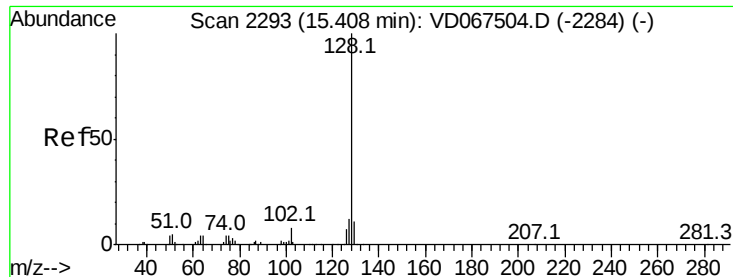
Tot Ion	Ratio	Lower	Upper
180	100		
182	90.4	47.4	142.3
145	32.6	16.2	48.6



#94
 Hexachlorobutadiene
 Concen: 20.462 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067550.D
 Acq: 06 Nov 2020 14:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.9	95.5
227	61.8	32.5	97.4





#95

Naphthalene

Concen: 23.456 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

Instrument :

MSVOA_D

ClientSampleId :

VD1106SBSD01

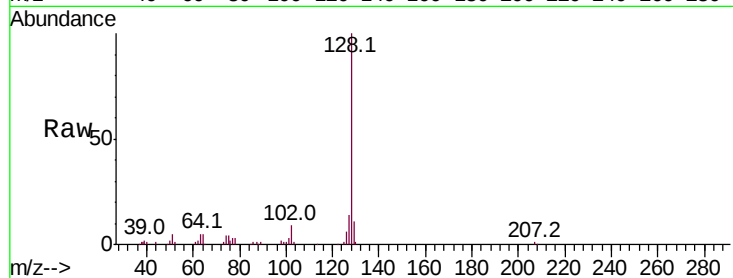
Tot Ion:128 Resp: 128512

Ion Ratio Lower Upper

128 100

127 13.4 10.2 15.4

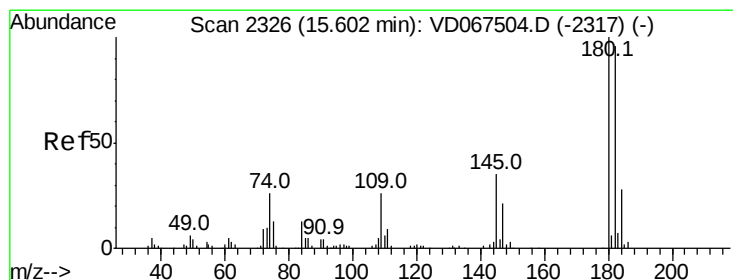
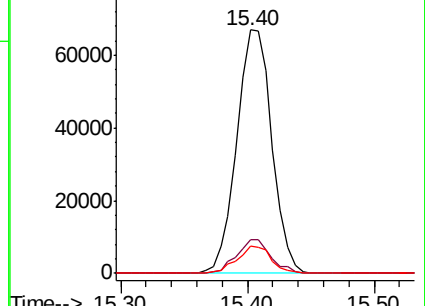
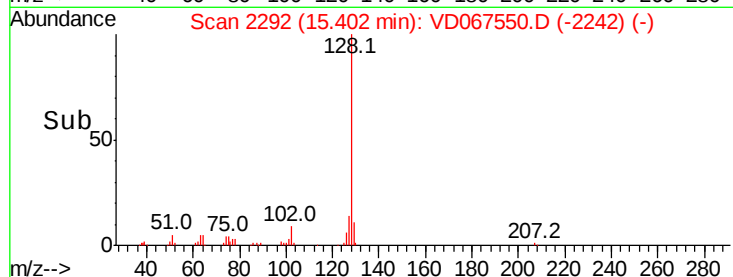
129 10.9 8.9 13.3



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: 22.157 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD067550.D

Acq: 06 Nov 2020 14:11

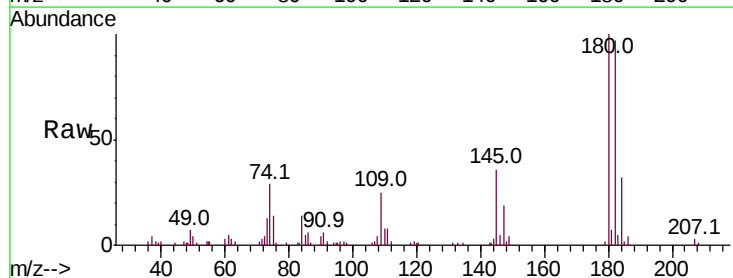
Tgt Ion:180 Resp: 67359

Ion Ratio Lower Upper

180 100

182 93.2 46.9 140.8

145 34.9 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

