

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102721\
 Data File : VD070857.D
 Acq On : 27 Oct 2021 11:53
 Operator : VA/SY
 Sample : M4325-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 28 03:53:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102621S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 27 05:34:47 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

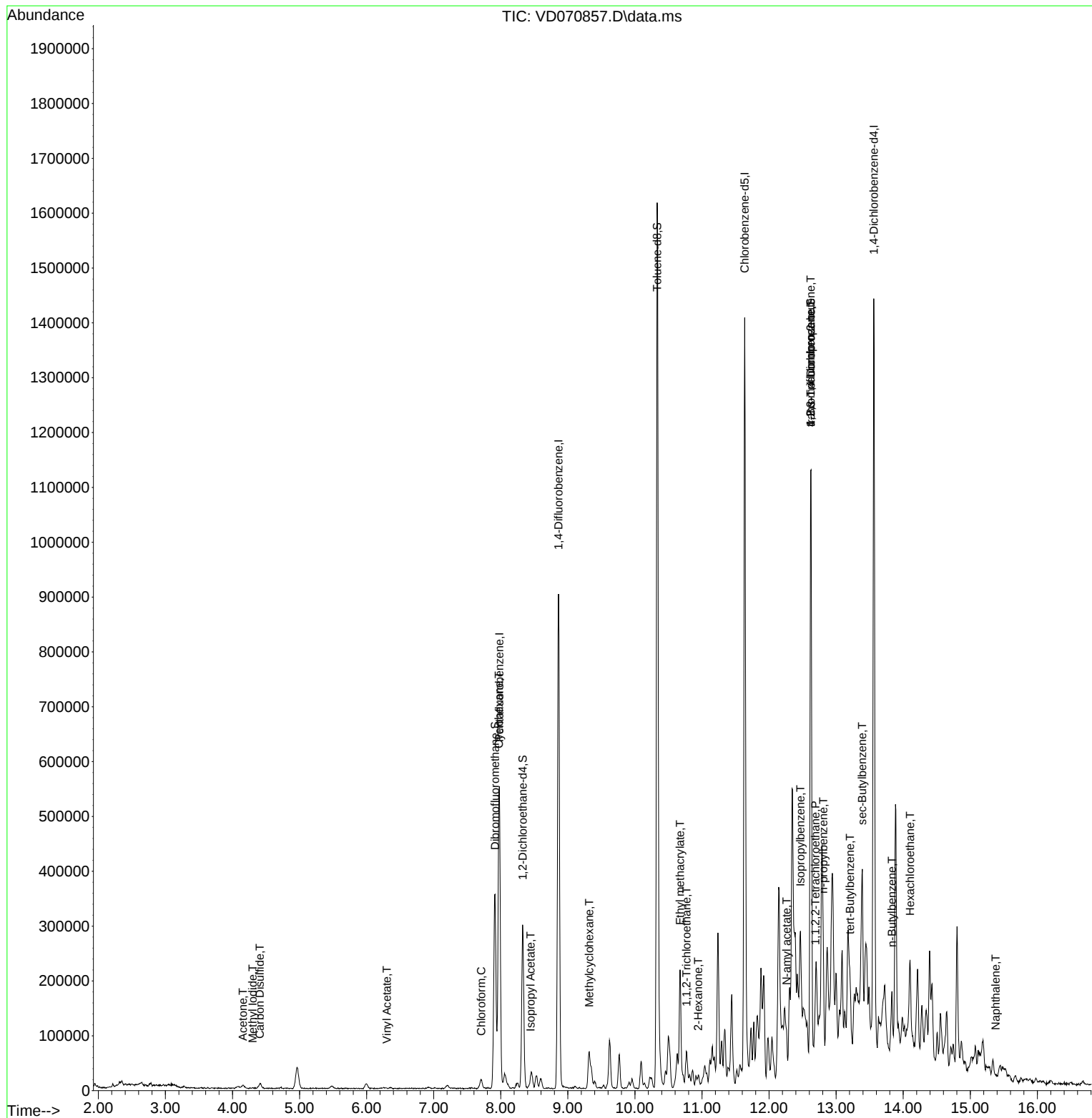
Internal Standards						
1) Pentafluorobenzene	7.979	168	418163	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	787716	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	816594	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	373280	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	221073	52.565	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.140%			
35) Dibromofluoromethane	7.914	113	260271	50.112	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.220%			
50) Toluene-d8	10.332	98	1065438	54.526	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 109.060%			
62) 4-Bromofluorobenzene	12.620	95	372424	57.766	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 115.540%			
Target Compounds						Qvalue
5) Bromomethane	2.785	94	2804	Below Cal		87
10) Methyl Iodide	4.303	142	1552	3.894 ug/l #		40
16) Acetone	4.156	43	9975	10.195 ug/l		89
17) Carbon Disulfide	4.409	76	18790	1.260 ug/l #		90
23) Vinyl Acetate	6.303	43	192	14.441 ug/l #		72
30) Chloroform	7.708	83	12738	1.374 ug/l		92
31) Cyclohexane	7.973	56	11134	1.299 ug/l #		1
39) Methylcyclohexane	9.320	83	13543	1.428 ug/l #		52
43) Isopropyl Acetate	8.444	43	5957	1.046 ug/l #		47
55) 1,1,2-Trichloroethane	10.767	97	22562	5.108 ug/l #		22
56) Ethyl methacrylate	10.673	69	22374	6.741 ug/l #		19
59) 2-Hexanone	10.943	43	10401	4.878 ug/l #		28
73) Isopropylbenzene	12.467	105	100936	4.054 ug/l		98
74) N-amyl acetate	12.261	43	16955	3.096 ug/l #		40
75) 1,1,2,2-Tetrachloroethane	12.690	83	7995	1.574 ug/l #		62
76) 1,2,3-Trichloropropane	12.620	75	175439	47.743 ug/l #		1
78) n-propylbenzene	12.808	91	102994	3.223 ug/l		97
81) trans-1,4-Dichloro-2-b...	12.620	75	175439	125.310 ug/l #		19
83) tert-Butylbenzene	13.208	119	25026	1.420 ug/l		96
85) sec-Butylbenzene	13.390	105	149047	5.363 ug/l #		72
89) n-Butylbenzene	13.832	91	42041	1.919 ug/l		96
90) Hexachloroethane	14.102	117	7797	1.554 ug/l #		22
95) Naphthalene	15.379	128	3198	4.374 ug/l #		58

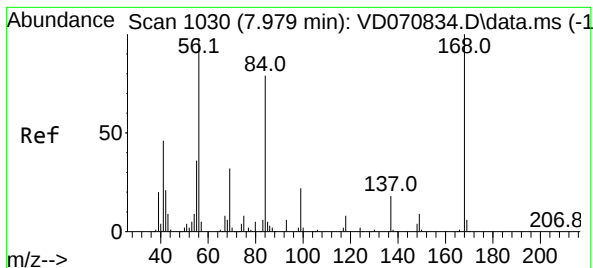
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102721\
Data File : VD070857.D
Acq On : 27 Oct 2021 11:53
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ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Oct 28 03:53:48 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102621S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 27 05:34:47 2021
Response via : Initial Calibration

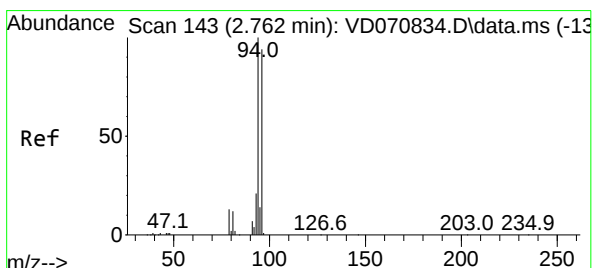
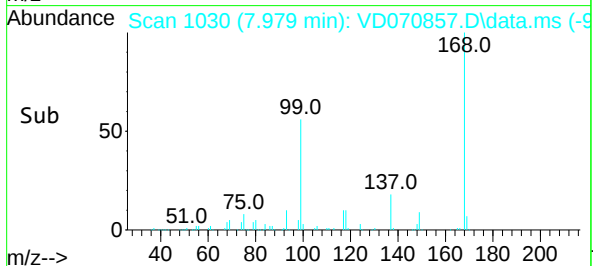
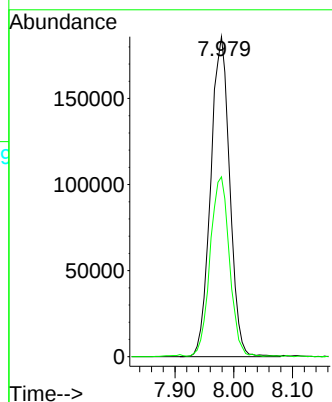
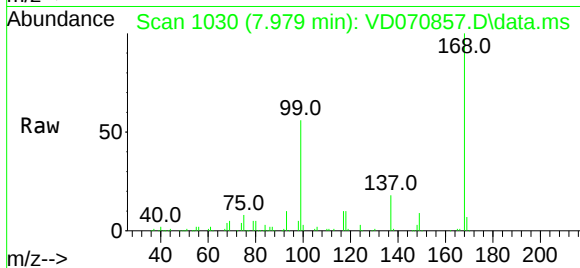




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070857.D
Acq: 27 Oct 2021 11:53

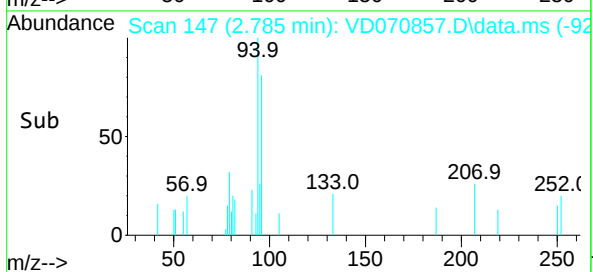
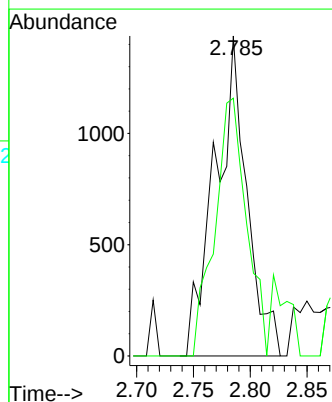
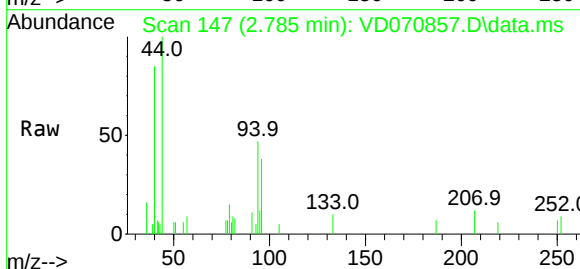
Instrument :
MSVOA_D
ClientSampleId :

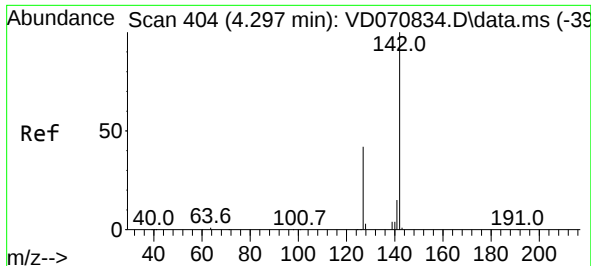
Tgt Ion:168 Resp: 418163
Ion Ratio Lower Upper
168 100
99 56.0 46.6 69.8



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.023 min
Lab File: VD070857.D
Acq: 27 Oct 2021 11:53

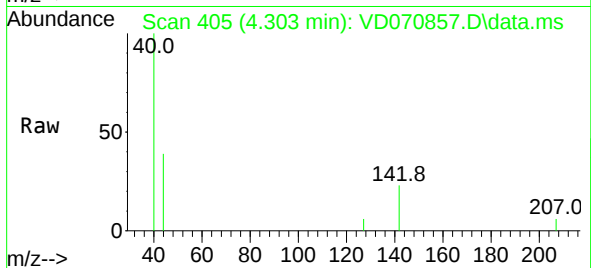
Tgt Ion: 94 Resp: 2804
Ion Ratio Lower Upper
94 100
96 80.5 74.8 112.2



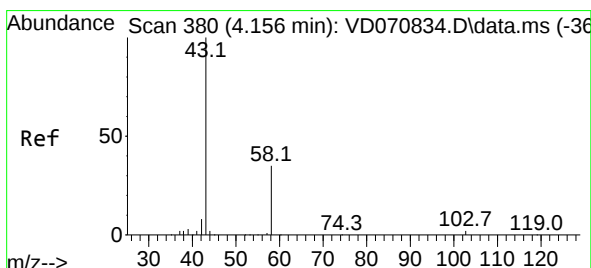
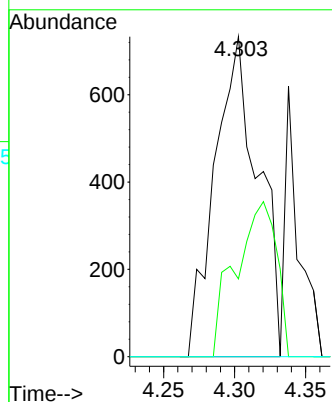
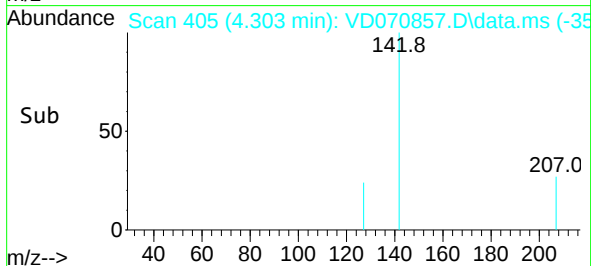


#10
Methyl Iodide
Concen: 3.894 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD070857.D
Acq: 27 Oct 2021 11:53

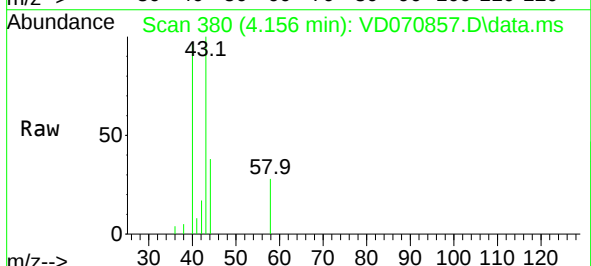
Instrument :
MSVOA_D
ClientSampleId :



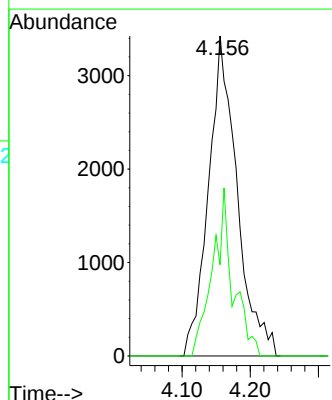
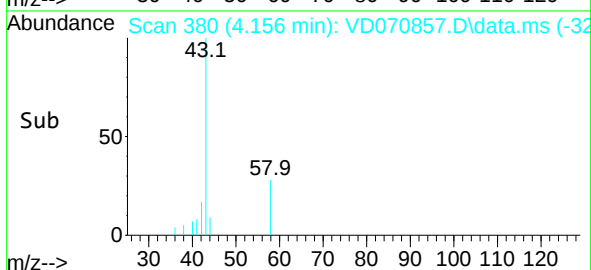
Tgt Ion:142 Resp: 1552
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

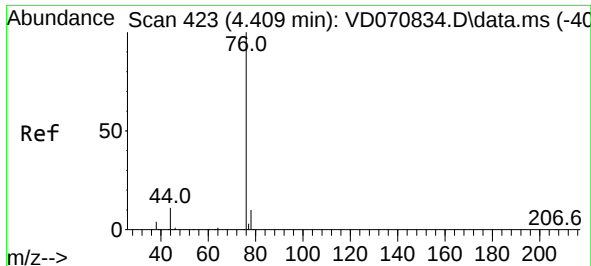


#16
Acetone
Concen: 10.195 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD070857.D
Acq: 27 Oct 2021 11:53



Tgt Ion: 43 Resp: 9975
Ion Ratio Lower Upper
43 100
58 28.5 27.8 41.8

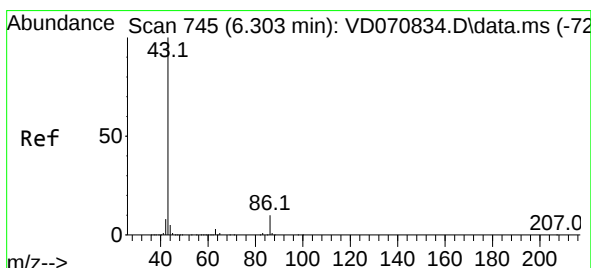
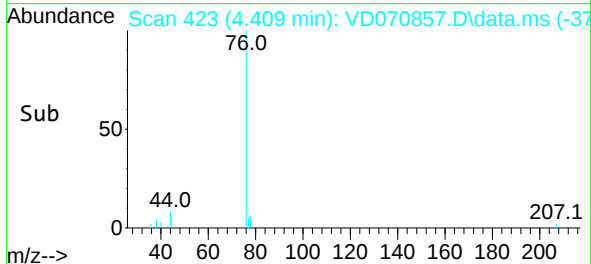
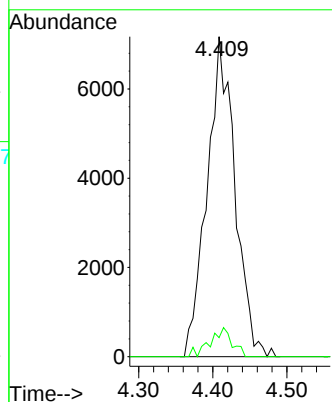
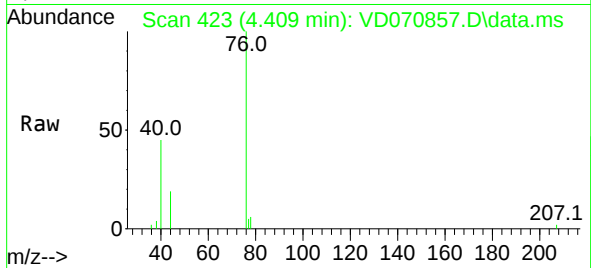




#17
Carbon Disulfide
Concen: 1.260 ug/l
RT: 4.409 min Scan# 423
Delta R.T. 0.000 min
Lab File: VD070857.D
Acq: 27 Oct 2021 11:53

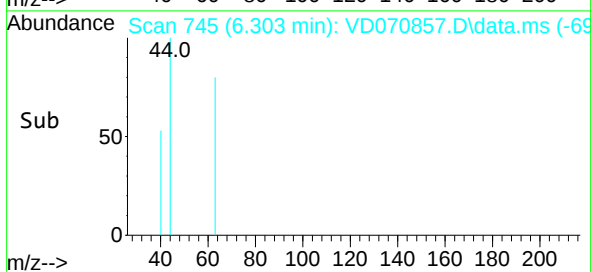
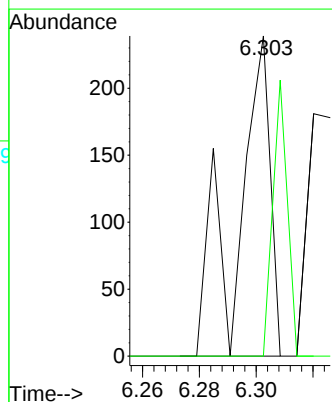
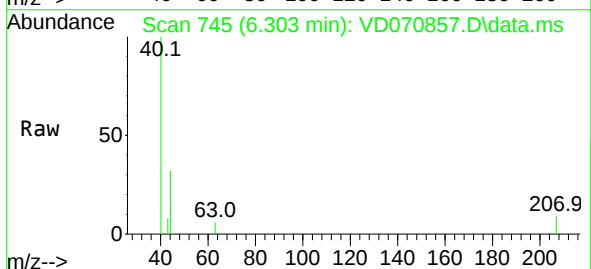
Instrument :
MSVOA_D
ClientSampleId :

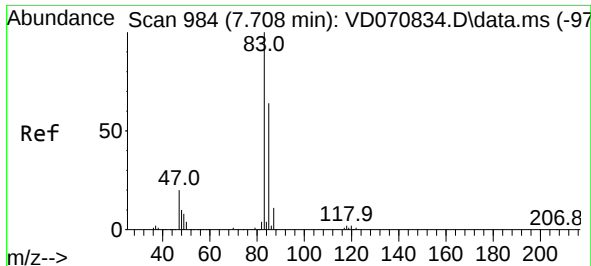
Tgt Ion: 76 Resp: 18790
Ion Ratio Lower Upper
76 100
78 6.0 7.8 11.8#



#23
Vinyl Acetate
Concen: 14.441 ug/l
RT: 6.303 min Scan# 745
Delta R.T. -0.000 min
Lab File: VD070857.D
Acq: 27 Oct 2021 11:53

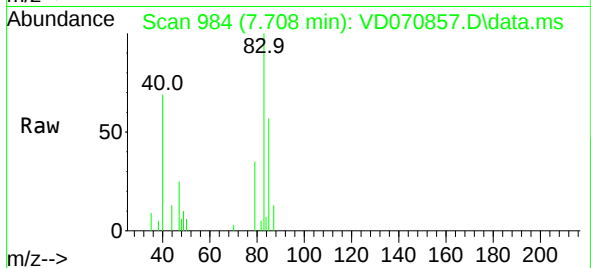
Tgt Ion: 43 Resp: 192
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#



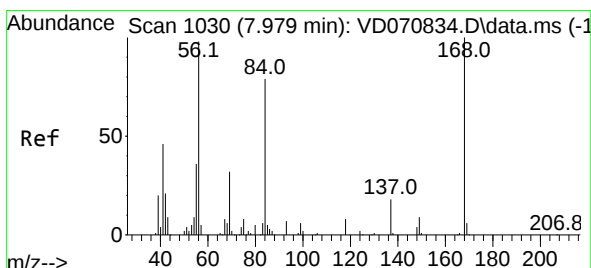
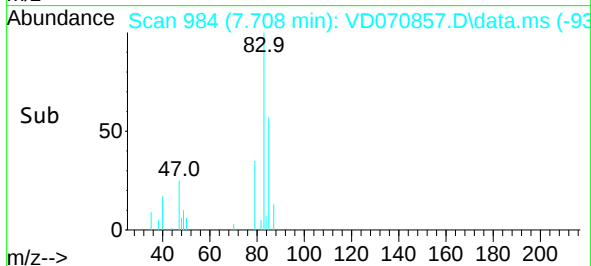
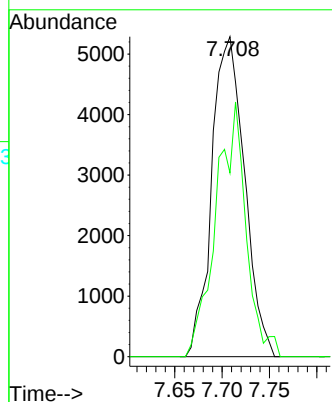


#30
Chloroform
Concen: 1.374 ug/l
RT: 7.708 min Scan# 984
Delta R.T. 0.000 min
Lab File: VD070857.D
Acq: 27 Oct 2021 11:53

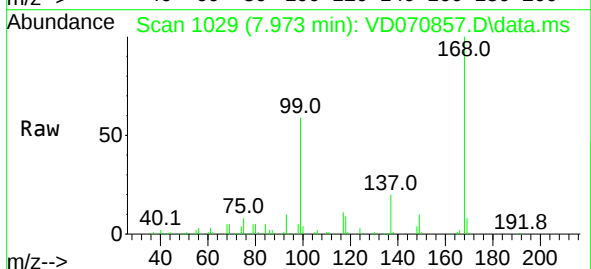
Instrument :
MSVOA_D
ClientSampled :



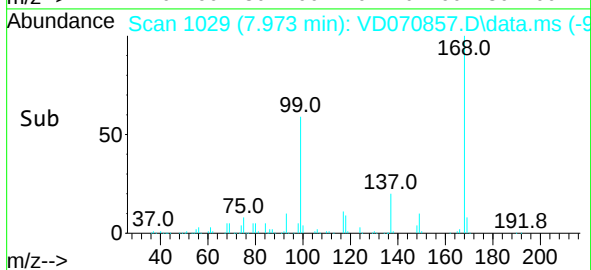
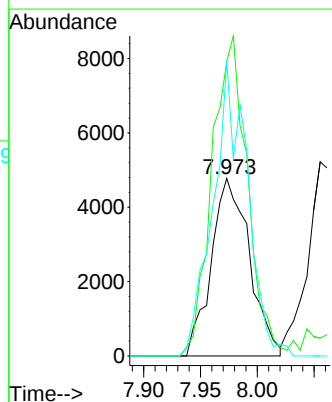
Tgt Ion: 83 Resp: 12738
Ion Ratio Lower Upper
83 100
85 57.4 51.0 76.6

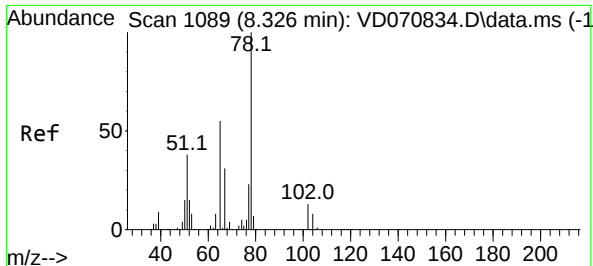


#31
Cyclohexane
Concen: 1.299 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070857.D
Acq: 27 Oct 2021 11:53



Tgt Ion: 56 Resp: 11134
Ion Ratio Lower Upper
56 100
69 166.0 25.9 38.9#
84 166.3 64.3 96.5#



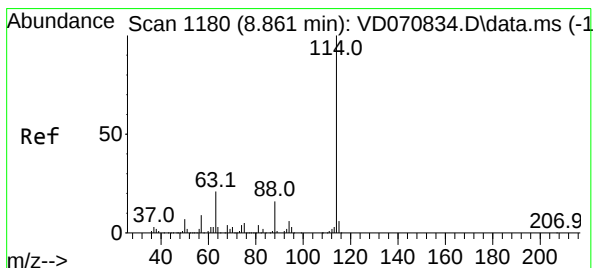
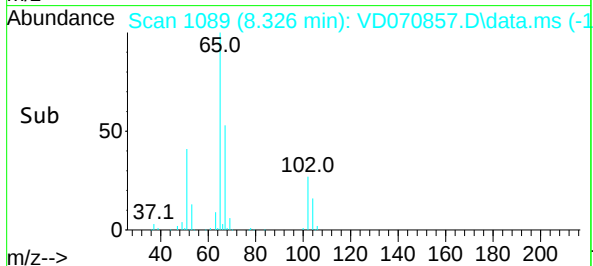
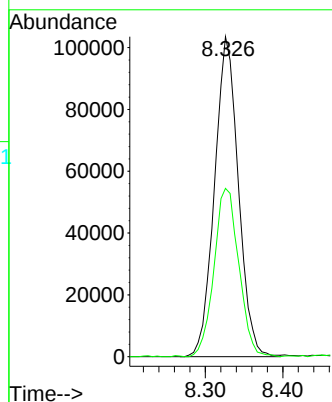
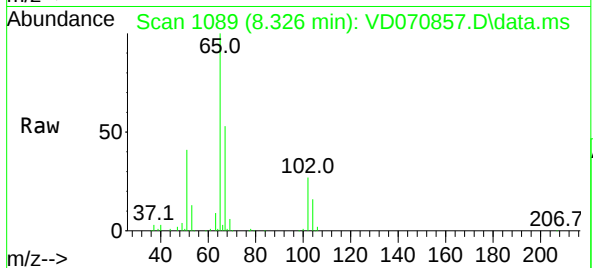


#33

1,2-Dichloroethane-d4
Concen: 52.565 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070857.D
Acq: 27 Oct 2021 11:53

Instrument :
MSVOA_D
ClientSampled :

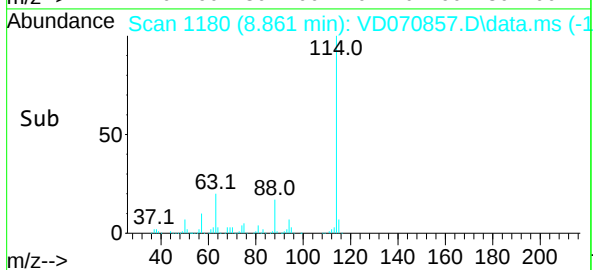
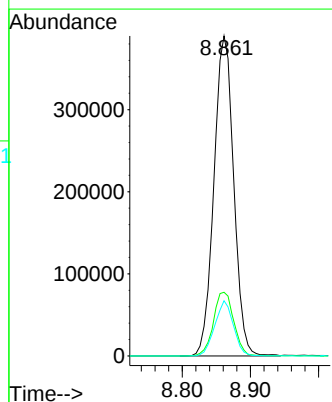
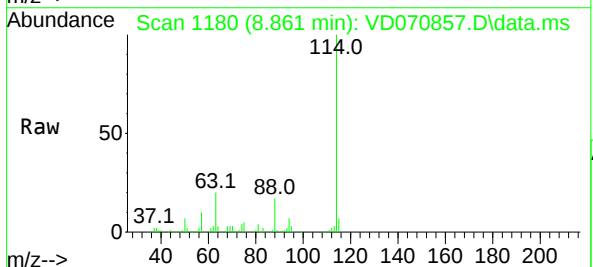
Tgt Ion: 65 Resp: 221073
Ion Ratio Lower Upper
65 100
67 54.7 0.0 112.2

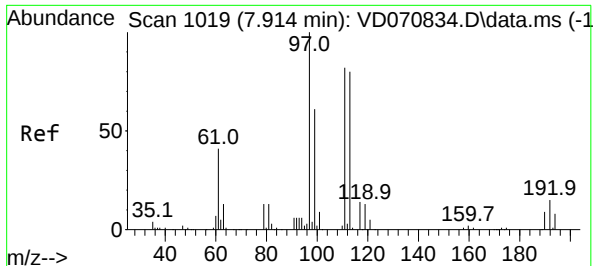


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070857.D
Acq: 27 Oct 2021 11:53

Tgt Ion: 114 Resp: 787716
Ion Ratio Lower Upper
114 100
63 19.9 0.0 41.8
88 17.2 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.112 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD070857.D

Acq: 27 Oct 2021 11:53

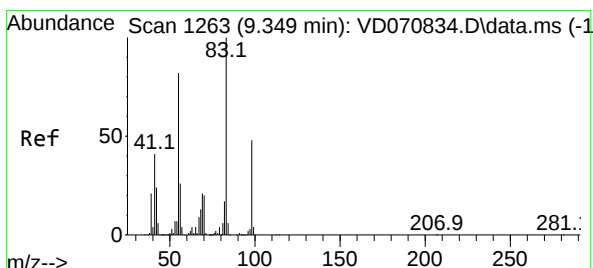
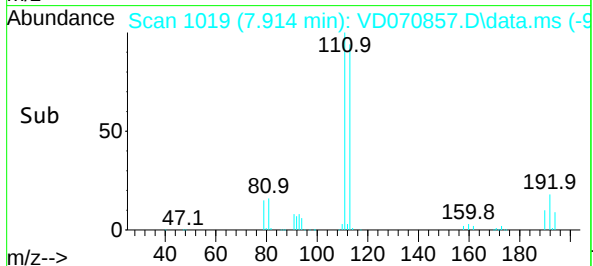
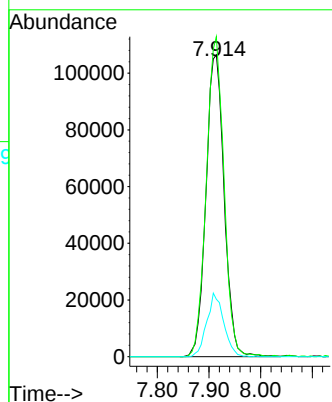
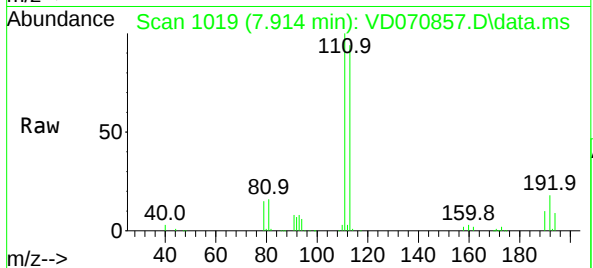
Tgt Ion:113 Resp: 260271

Ion Ratio Lower Upper

113 100

111 103.1 82.0 123.0

192 19.6 15.2 22.8



#39

Methylcyclohexane

Concen: 1.428 ug/l

RT: 9.320 min Scan# 1258

Delta R.T. -0.029 min

Lab File: VD070857.D

Acq: 27 Oct 2021 11:53

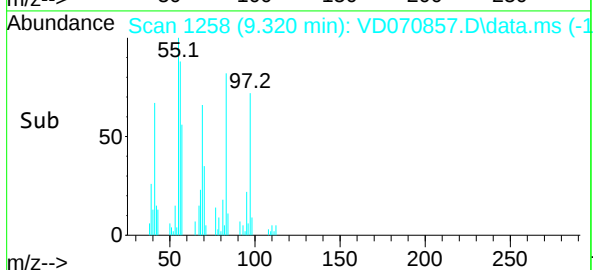
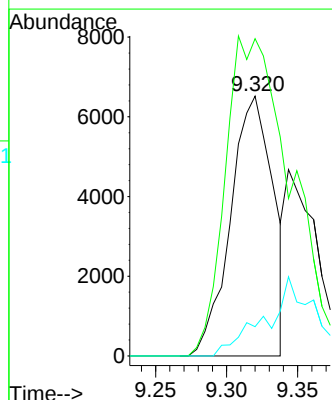
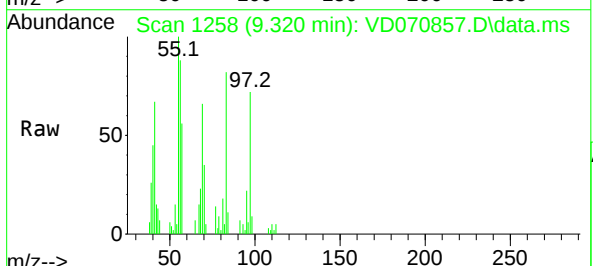
Tgt Ion: 83 Resp: 13543

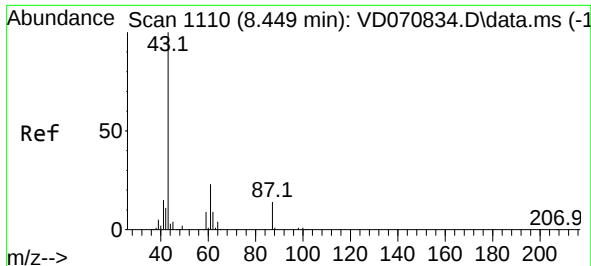
Ion Ratio Lower Upper

83 100

55 122.2 65.8 98.8#

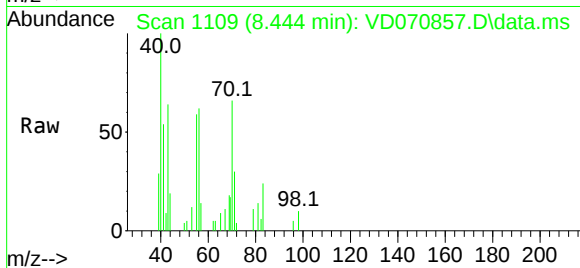
98 11.3 38.7 58.1#



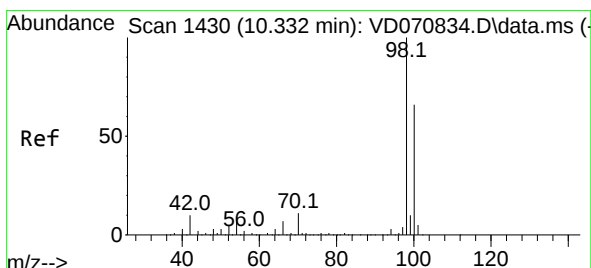
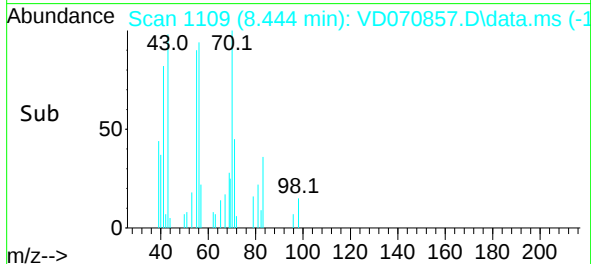
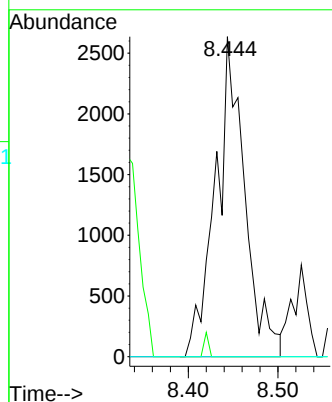


#43
Isopropyl Acetate
Concen: 1.046 ug/l
RT: 8.444 min Scan# 1109
Delta R.T. -0.006 min
Lab File: VD070857.D
Acq: 27 Oct 2021 11:53

Instrument :
MSVOA_D
ClientSampled :

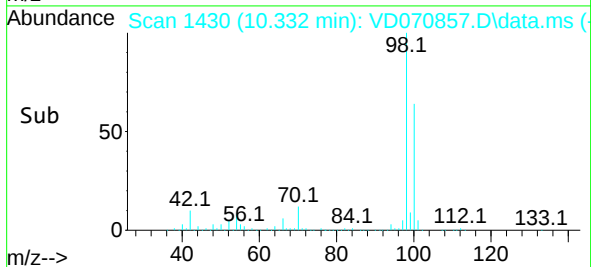
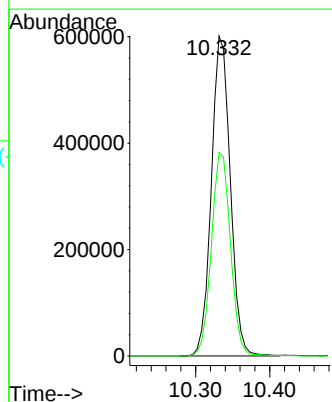
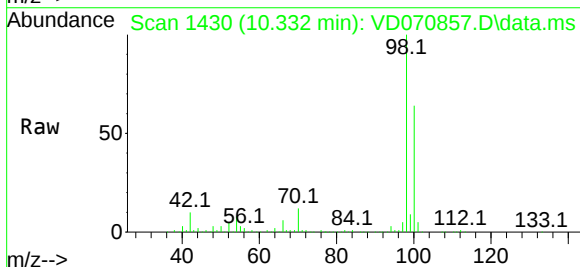


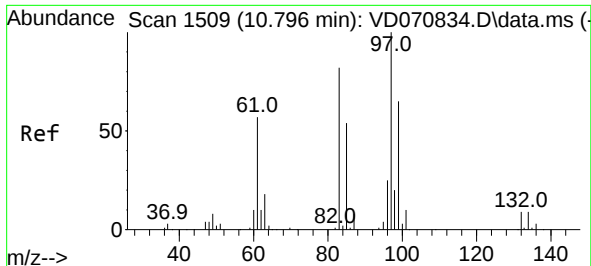
Tgt Ion: 43 Resp: 5957
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#



#50
Toluene-d8
Concen: 54.526 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD070857.D
Acq: 27 Oct 2021 11:53

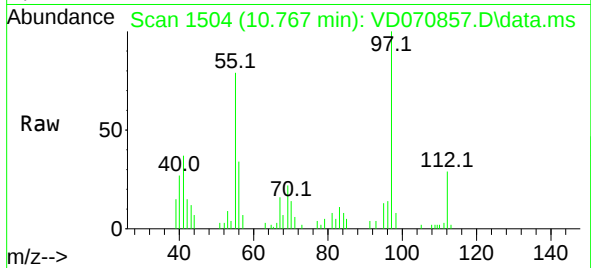
Tgt Ion: 98 Resp: 1065438
Ion Ratio Lower Upper
98 100
100 64.2 51.8 77.6



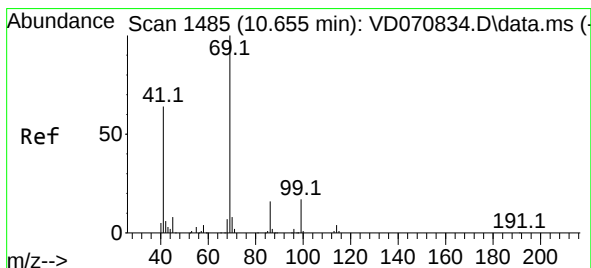
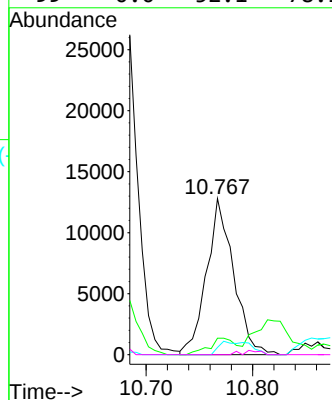
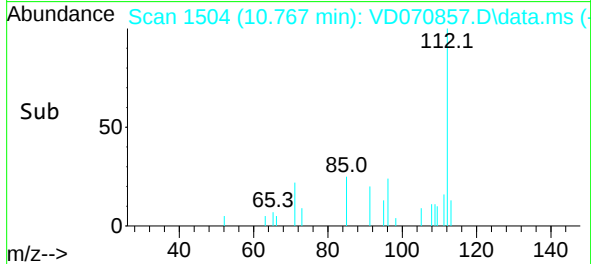


#55
1,1,2-Trichloroethane
Concen: 5.108 ug/l
RT: 10.767 min Scan# 1504
Delta R.T. -0.029 min
Lab File: VD070857.D
Acq: 27 Oct 2021 11:53

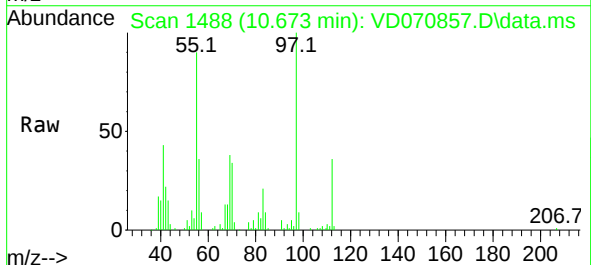
Instrument :
MSVOA_D
ClientSampleId :



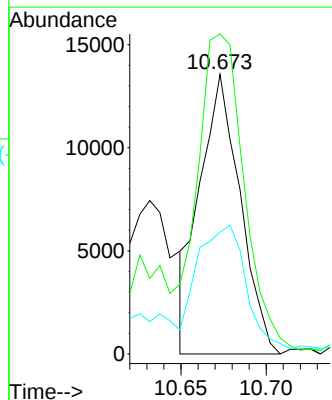
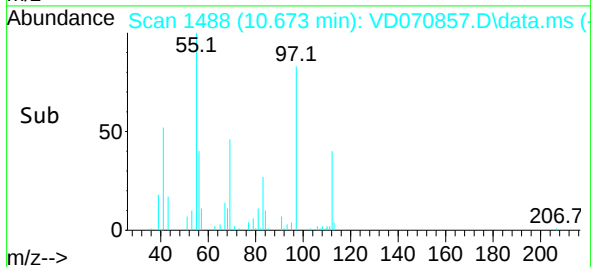
Tgt Ion:	97	Resp:	22562
Ion Ratio	100	Lower	Upper
97	100		
83	10.5	65.2	97.8#
85	4.6	43.4	65.0#
99	0.0	52.1	78.1#

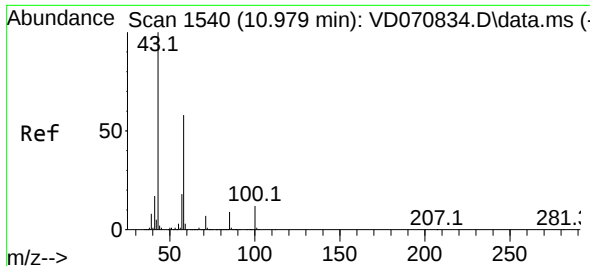


#56
Ethyl methacrylate
Concen: 6.741 ug/l
RT: 10.673 min Scan# 1488
Delta R.T. 0.018 min
Lab File: VD070857.D
Acq: 27 Oct 2021 11:53



Tgt Ion:	69	Resp:	22374
Ion Ratio	100	Lower	Upper
69	100		
41	132.3	50.2	75.2#
39	54.0	19.8	29.8#

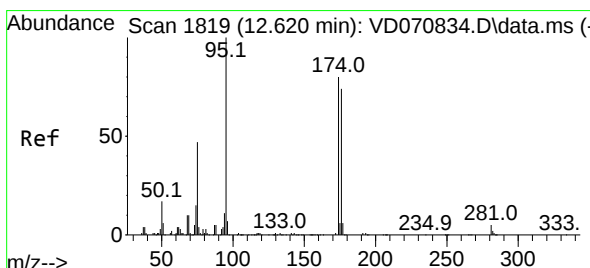
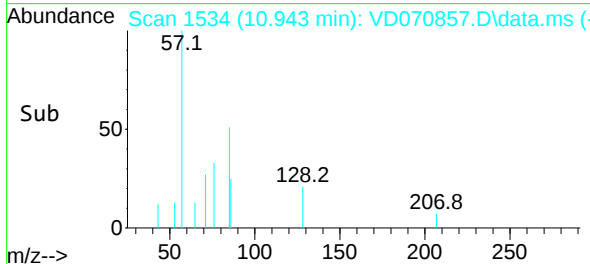
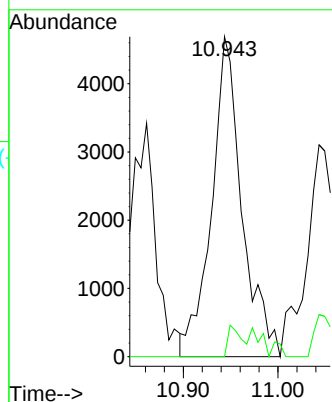
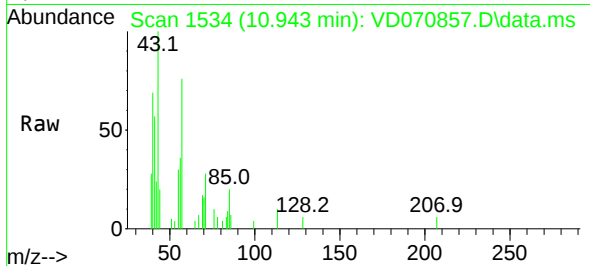




#59
2-Hexanone
Concen: 4.878 ug/l
RT: 10.943 min Scan# 1534
Delta R.T. -0.035 min
Lab File: VD070857.D
Acq: 27 Oct 2021 11:53

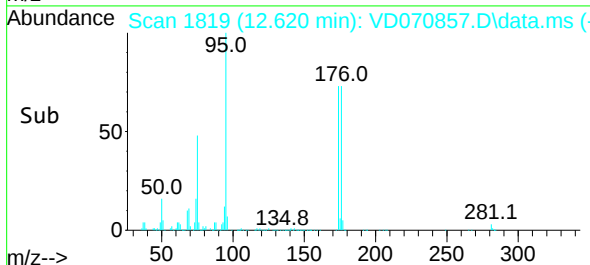
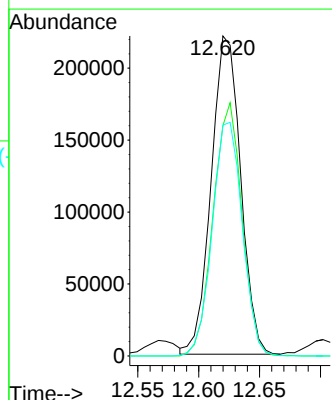
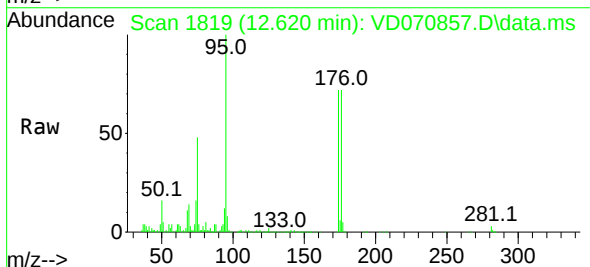
Instrument :
MSVOA_D
ClientSampleId :

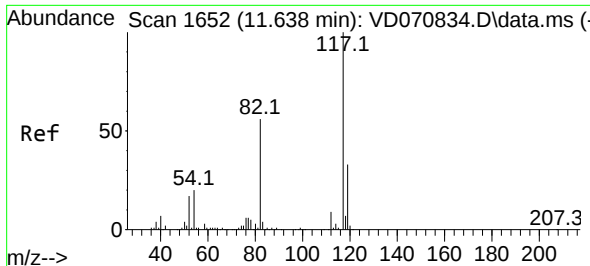
Tgt Ion: 43 Resp: 10401
Ion Ratio Lower Upper
43 100
58 4.4 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 57.766 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD070857.D
Acq: 27 Oct 2021 11:53

Tgt Ion: 95 Resp: 372424
Ion Ratio Lower Upper
95 100
174 77.9 0.0 159.4
176 74.9 0.0 154.0

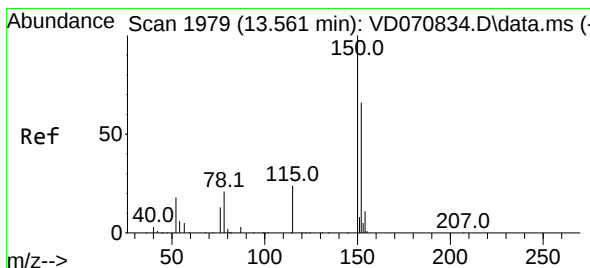
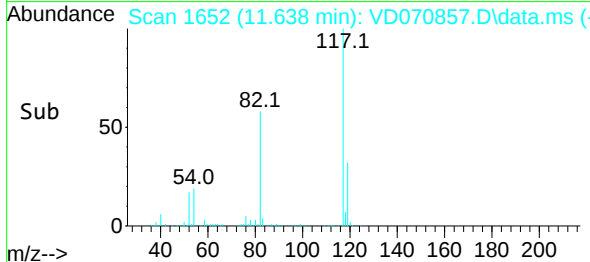
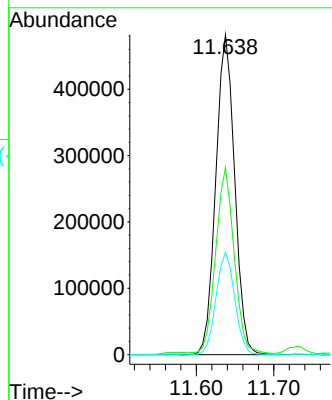
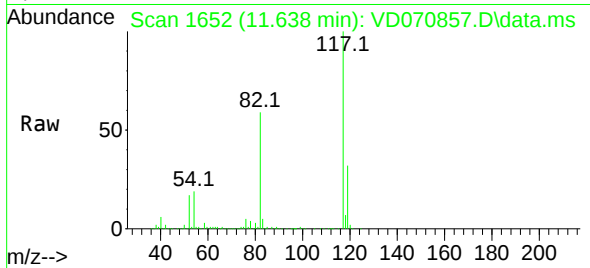




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070857.D
Acq: 27 Oct 2021 11:53

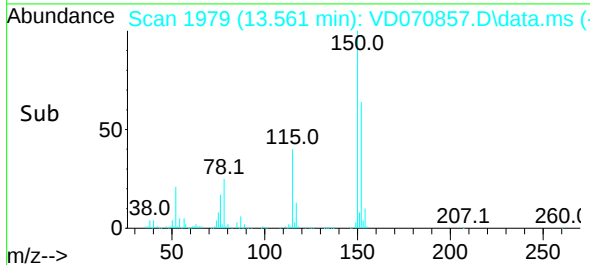
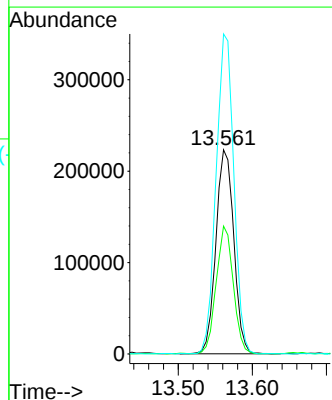
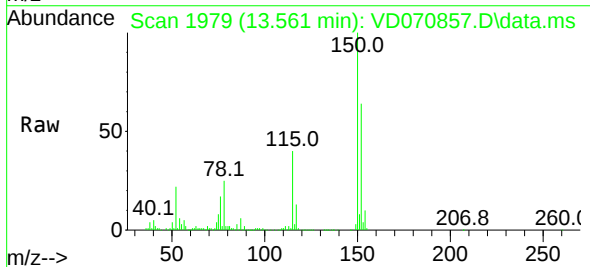
Instrument :
MSVOA_D
ClientSampled :

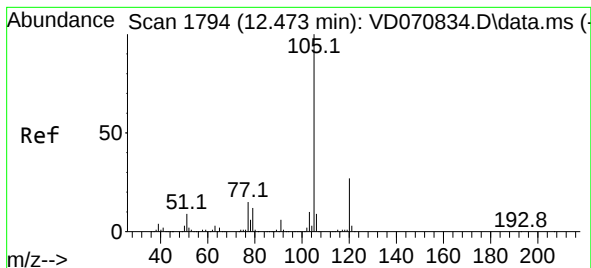
Tgt Ion:117 Resp: 816594
Ion Ratio Lower Upper
117 100
82 57.9 44.7 67.1
119 32.0 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070857.D
Acq: 27 Oct 2021 11:53

Tgt Ion:152 Resp: 373280
Ion Ratio Lower Upper
152 100
115 60.0 29.8 89.3
150 156.3 0.0 349.2





#73

Isopropylbenzene

Concen: 4.054 ug/l

RT: 12.467 min Scan# 1793

Delta R.T. -0.006 min

Lab File: VD070857.D

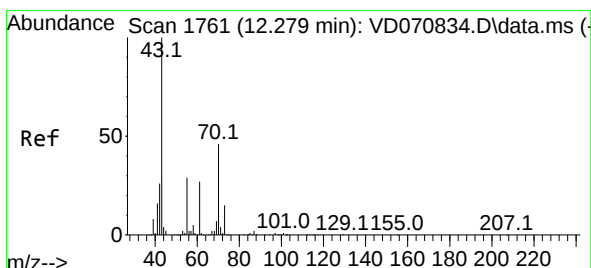
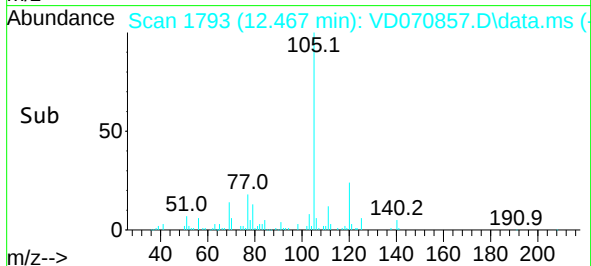
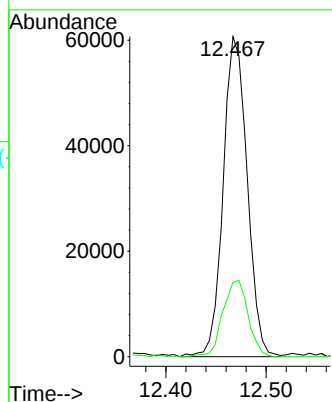
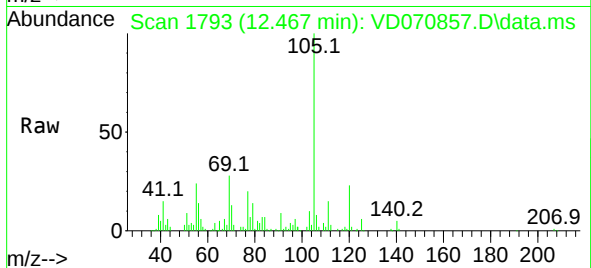
Acq: 27 Oct 2021 11:53

Tgt Ion:105 Resp: 100936

Ion Ratio Lower Upper

105 100

120 25.0 13.2 39.5



#74

N-ethyl acetate

Concen: 3.096 ug/l

RT: 12.261 min Scan# 1758

Delta R.T. -0.018 min

Lab File: VD070857.D

Acq: 27 Oct 2021 11:53

Tgt Ion: 43 Resp: 16955

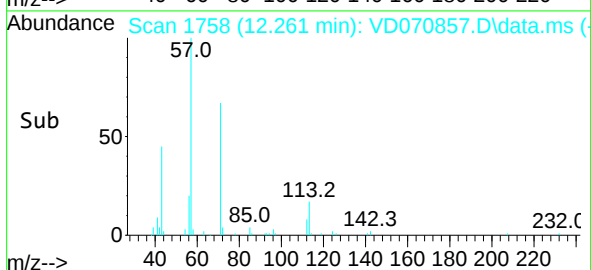
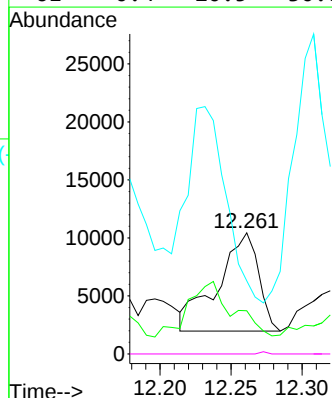
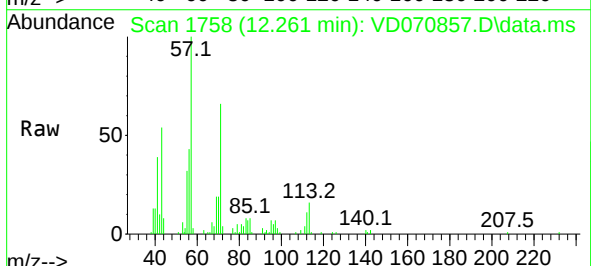
Ion Ratio Lower Upper

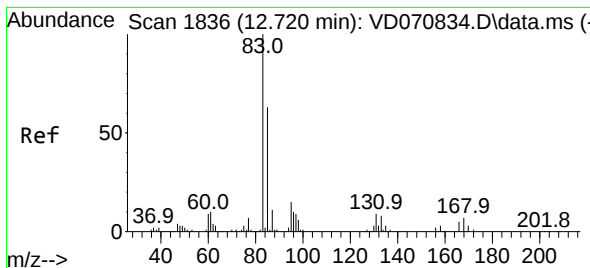
43 100

70 0.0 36.6 55.0#

55 0.0 22.5 33.7#

61 0.4 20.5 30.7#



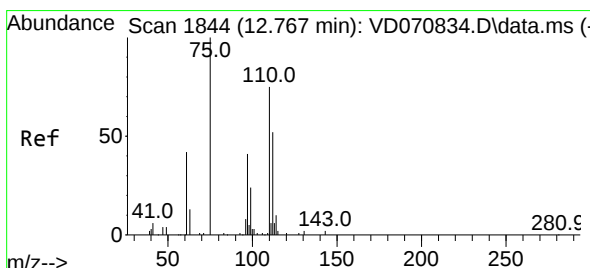
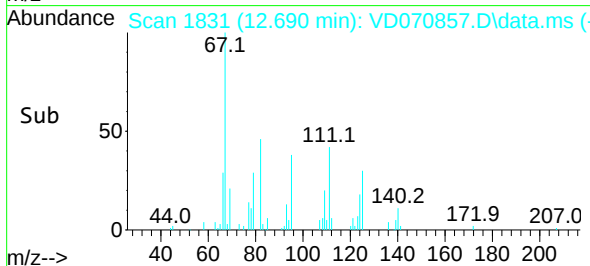
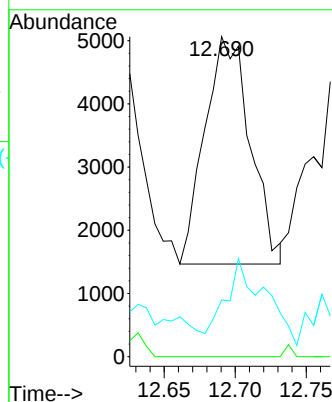
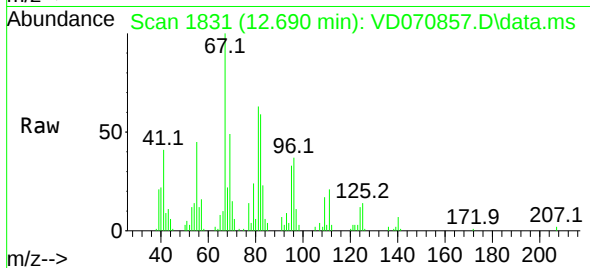


#75

1,1,2,2-Tetrachloroethane
Concen: 1.574 ug/l
RT: 12.690 min Scan# 1831
Delta R.T. -0.029 min
Lab File: VD070857.D
Acq: 27 Oct 2021 11:53

Instrument :
MSVOA_D
ClientSampleId :

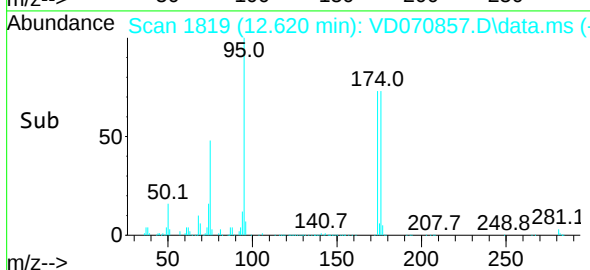
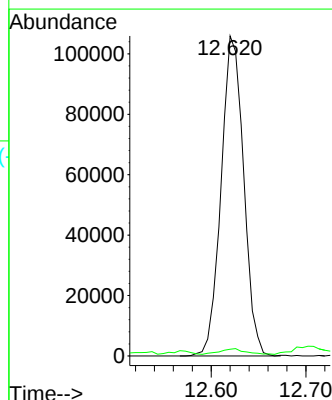
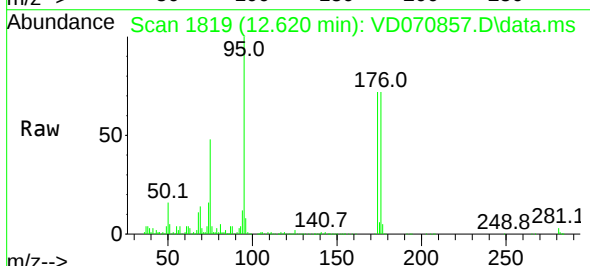
Tgt Ion: 83 Resp: 7995
Ion Ratio Lower Upper
83 100
131 0.0 4.9 14.7#
85 33.1 32.0 96.2

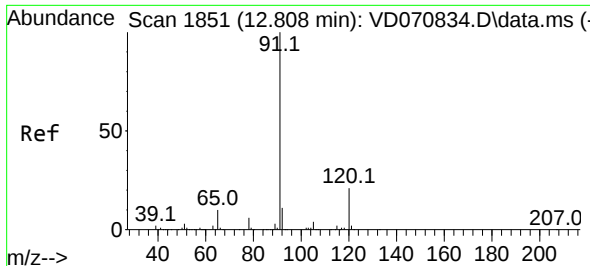


#76

1,2,3-Trichloropropane
Concen: 47.743 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD070857.D
Acq: 27 Oct 2021 11:53

Tgt Ion: 75 Resp: 175439
Ion Ratio Lower Upper
75 100
77 2.0 158.4 475.3#

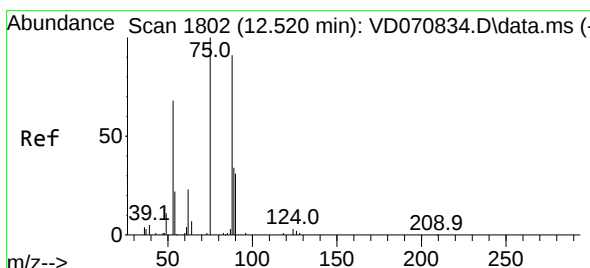
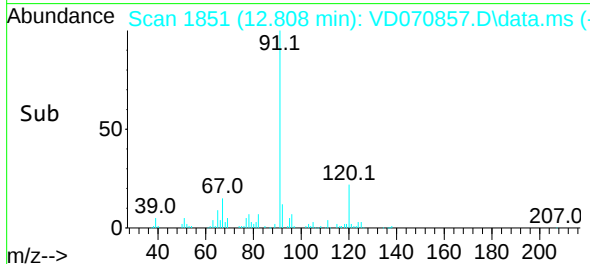
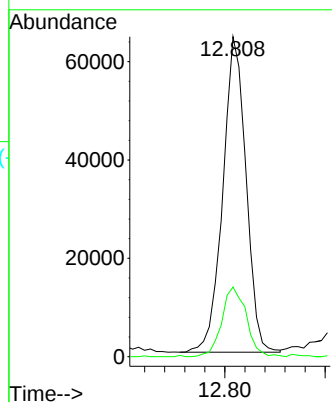
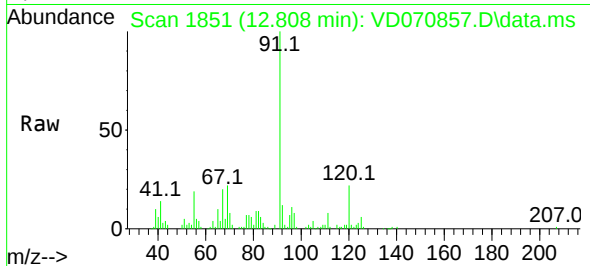




#78
n-propylbenzene
Concen: 3.223 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VD070857.D
Acq: 27 Oct 2021 11:53

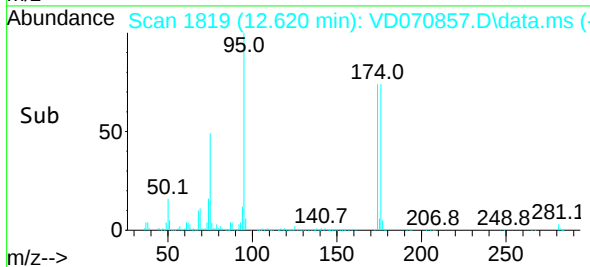
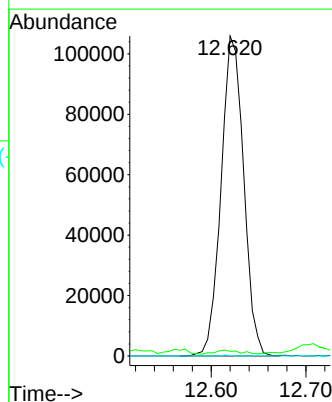
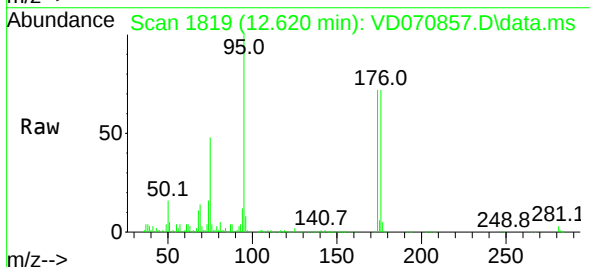
Instrument :
MSVOA_D
ClientSampled :

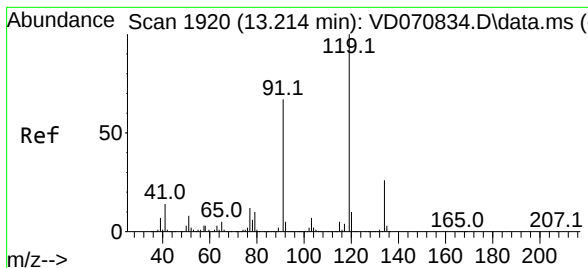
Tgt Ion: 91 Resp: 102994
Ion Ratio Lower Upper
91 100
120 23.3 10.9 32.9



#81
trans-1,4-Dichloro-2-butene
Concen: 125.310 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070857.D
Acq: 27 Oct 2021 11:53

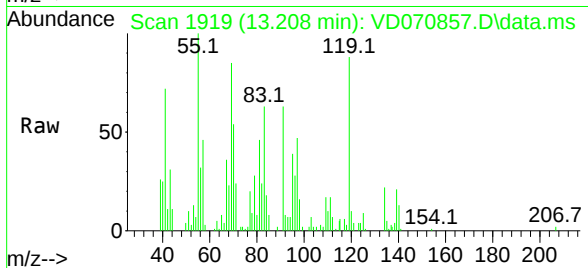
Tgt Ion: 75 Resp: 175439
Ion Ratio Lower Upper
75 100
53 1.4 62.6 94.0#
89 0.1 34.5 51.7#



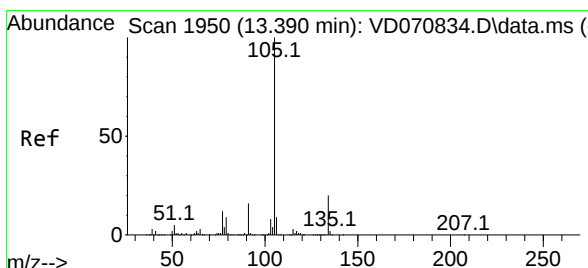
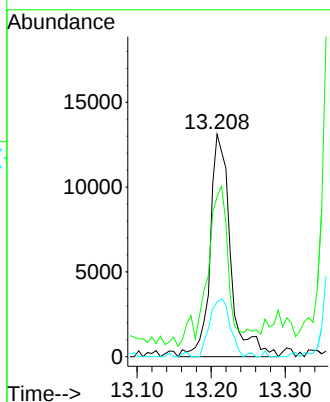
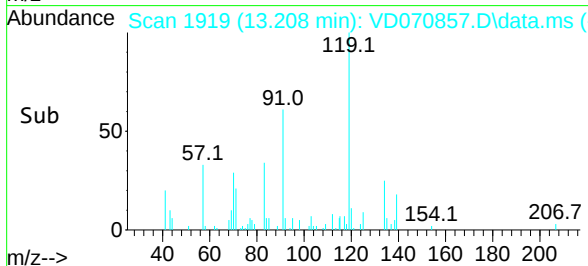


#83
tert-Butylbenzene
Concen: 1.420 ug/l
RT: 13.208 min Scan# 1919
Delta R.T. -0.006 min
Lab File: VD070857.D
Acq: 27 Oct 2021 11:53

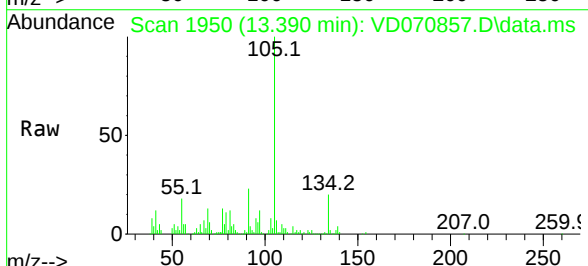
Instrument :
MSVOA_D
ClientSampleId :



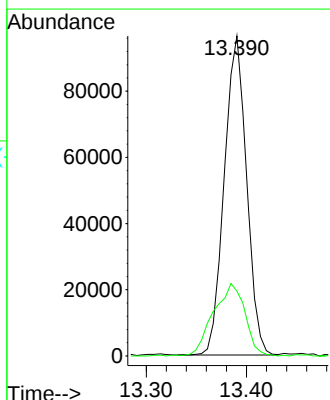
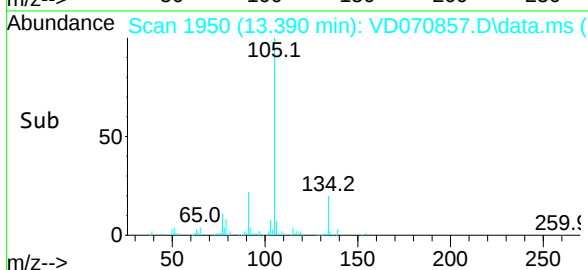
Tgt Ion:119 Resp: 25026
Ion Ratio Lower Upper
119 100
91 68.8 32.5 97.5
134 25.8 13.2 39.6

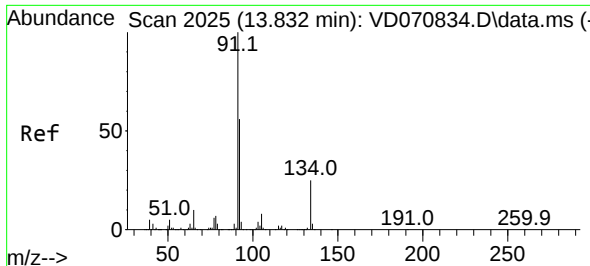


#85
sec-Butylbenzene
Concen: 5.363 ug/l
RT: 13.390 min Scan# 1950
Delta R.T. 0.000 min
Lab File: VD070857.D
Acq: 27 Oct 2021 11:53



Tgt Ion:105 Resp: 149047
Ion Ratio Lower Upper
105 100
134 32.2 9.7 28.9#

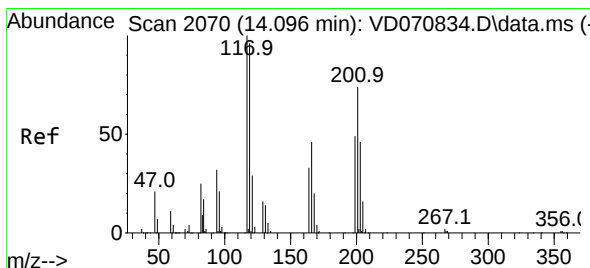
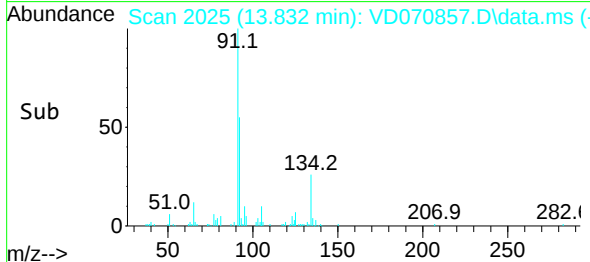
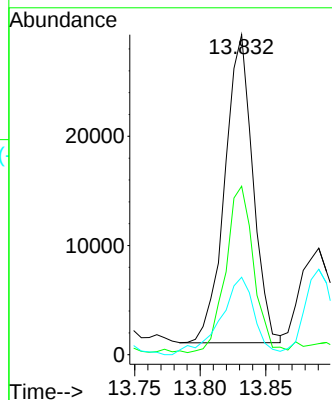
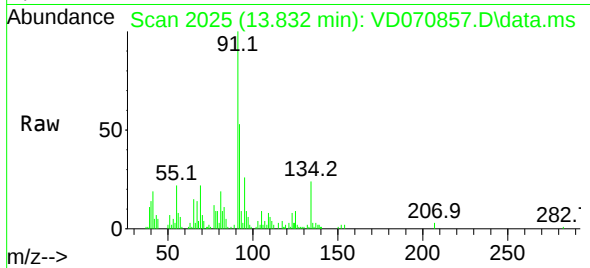




#89
n-Butylbenzene
Concen: 1.919 ug/l
RT: 13.832 min Scan# 2025
Delta R.T. 0.000 min
Lab File: VD070857.D
Acq: 27 Oct 2021 11:53

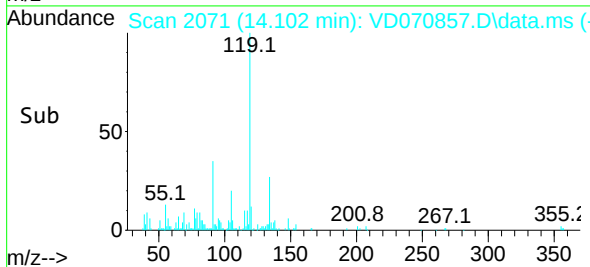
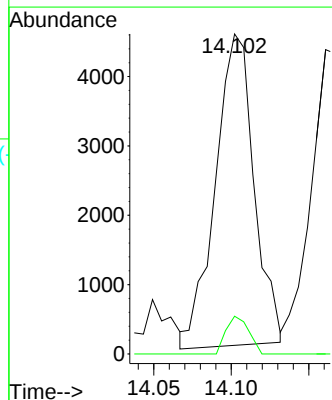
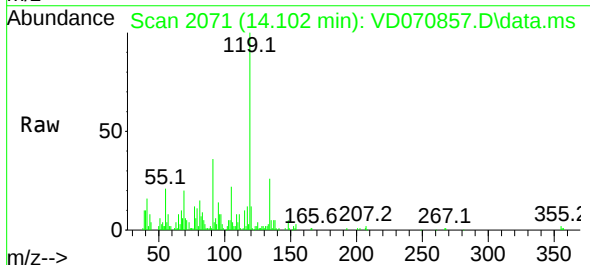
Instrument :
MSVOA_D
ClientSampled :

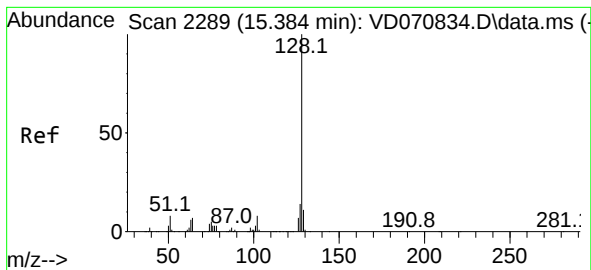
Tgt Ion:	91	Resp:	42041
Ion	Ratio	Lower	Upper
91	100		
92	53.8	27.3	81.9
134	30.1	12.3	36.9



#90
Hexachloroethane
Concen: 1.554 ug/l
RT: 14.102 min Scan# 2071
Delta R.T. 0.006 min
Lab File: VD070857.D
Acq: 27 Oct 2021 11:53

Tgt Ion:	117	Resp:	7797
Ion	Ratio	Lower	Upper
117	100		
201	7.1	36.0	108.1#





#95
Naphthalene
Concen: 4.374 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.005 min
Lab File: VD070857.D
Acq: 27 Oct 2021 11:53

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
128	100		
127	34.4	10.7	16.1#
129	0.0	8.7	13.1#

