

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102821\
 Data File : VD070893.D
 Acq On : 28 Oct 2021 15:27
 Operator : VA/SY
 Sample : M4372-13
 Misc : 4.99G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 29 06:35:14 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)

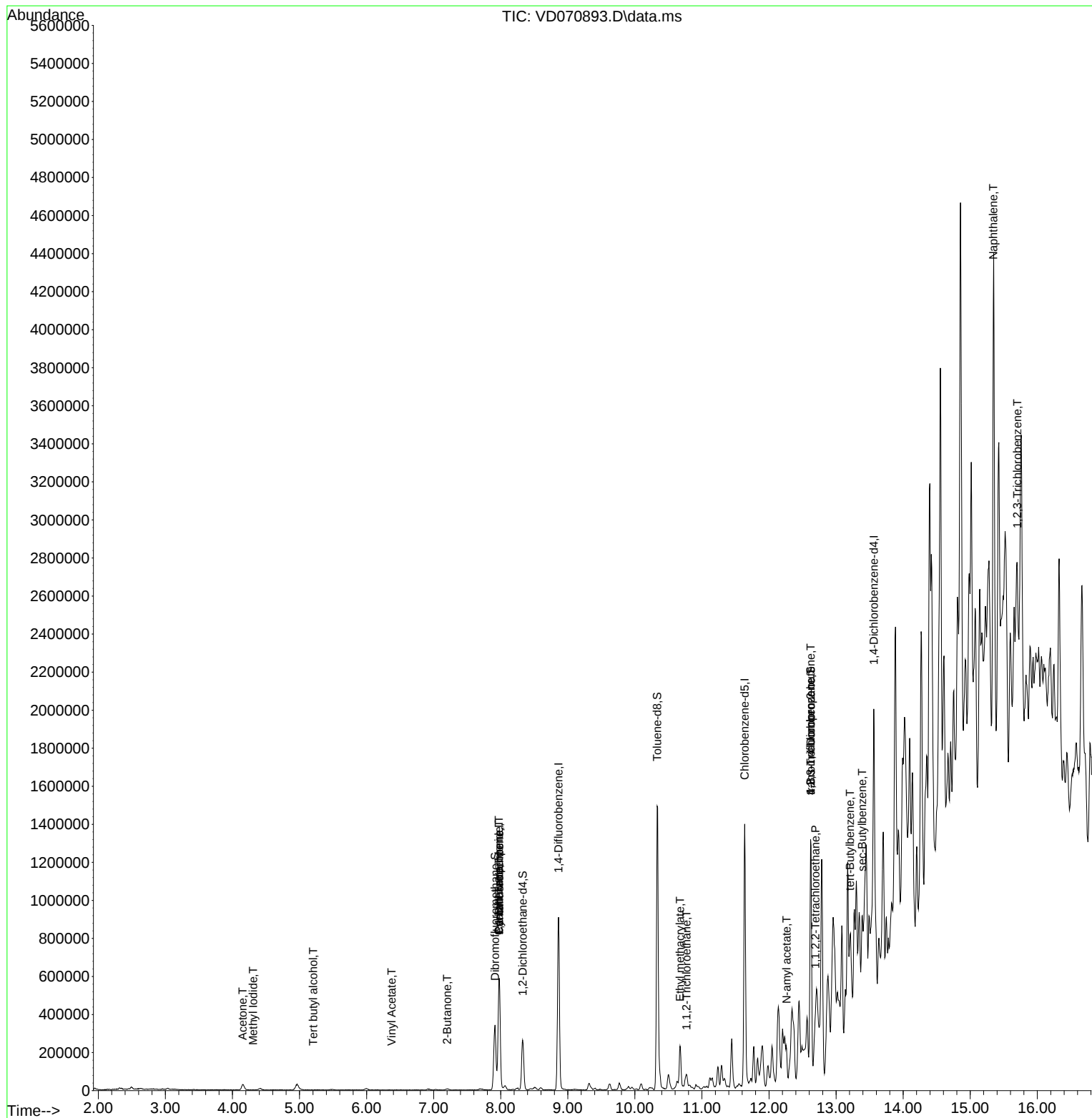
Internal Standards						
1) Pentafluorobenzene	7.979	168	449273	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	782463	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	805245	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	407895	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	206981	45.807	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.620%		
35) Dibromofluoromethane	7.914	113	249627	48.385	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	96.780%		
50) Toluene-d8	10.332	98	1027639	52.945	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	105.880%		
62) 4-Bromofluorobenzene	12.620	95	401474	62.690	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	125.380%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.774	94	1114	Below Cal	#	72
10) Methyl Iodide	4.309	142	303	3.661	ug/l #	61
11) Tert butyl alcohol	5.203	59	334	1.391	ug/l #	71
16) Acetone	4.150	43	50098	47.655	ug/l	98
20) Methylene Chloride	4.962	84	21549	Below Cal	#	85
23) Vinyl Acetate	6.373	43	60	14.422	ug/l #	72
25) 2-Butanone	7.203	43	5815	4.494	ug/l #	84
31) Cyclohexane	7.973	56	11060	1.201	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	35402	4.324	ug/l #	49
38) Carbon Tetrachloride	7.973	117	44687	5.428	ug/l #	16
55) 1,1,2-Trichloroethane	10.767	97	22808	5.198	ug/l #	23
56) Ethyl methacrylate	10.673	69	25889	7.384	ug/l #	32
74) N-amyl acetate	12.261	43	44618	7.457	ug/l #	40
75) 1,1,2,2-Tetrachloroethane	12.691	83	30444	5.484	ug/l #	25
76) 1,2,3-Trichloropropane	12.620	75	172707	43.011	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	172707	112.890	ug/l #	21
83) tert-Butylbenzene	13.208	119	27732	1.440	ug/l	93
85) sec-Butylbenzene	13.391	105	36080	1.188	ug/l #	12
95) Naphthalene	15.343	128	21574	5.669	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.702	180	14678	2.503	ug/l	91

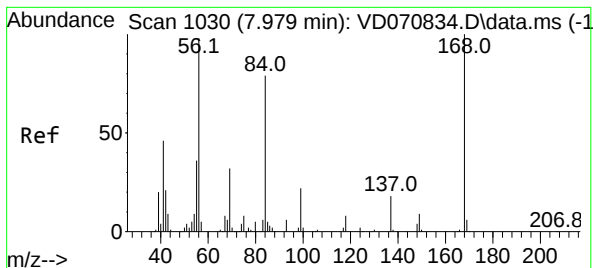
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 27 05:34:47 2021
Response via : Initial Calibration

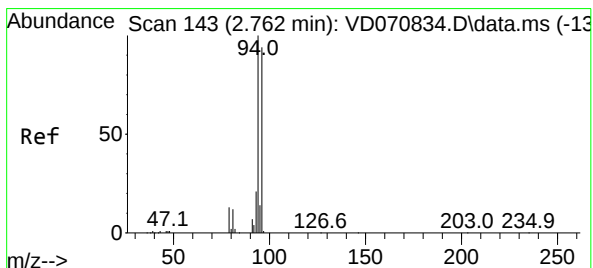
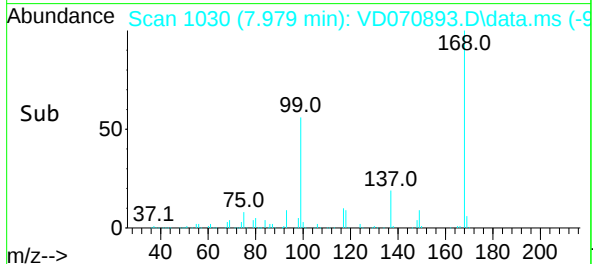
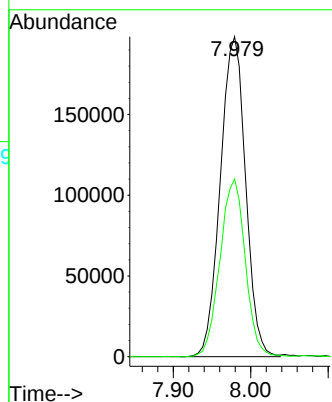
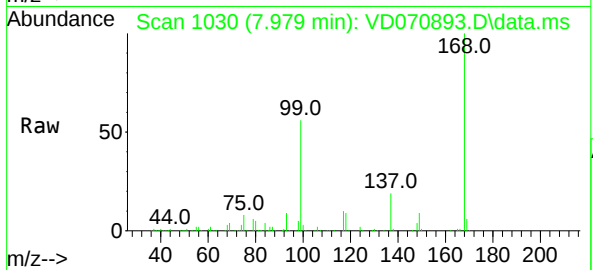




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070893.D
Acq: 28 Oct 2021 15:27

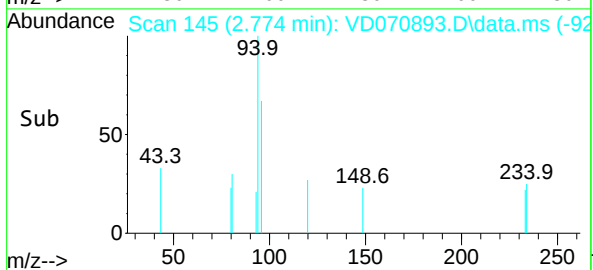
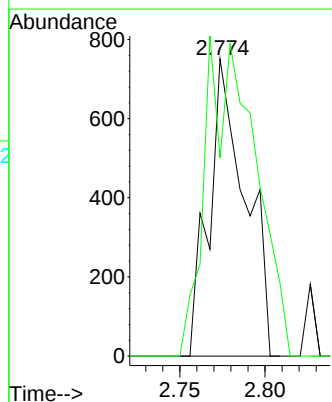
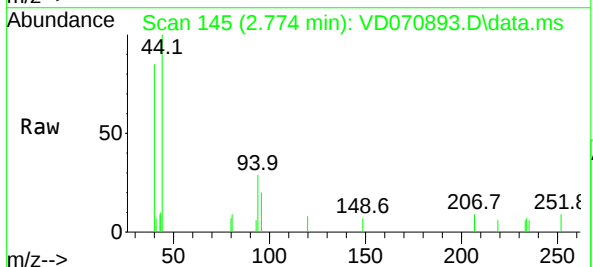
Instrument :
MSVOA_D
ClientSampled :

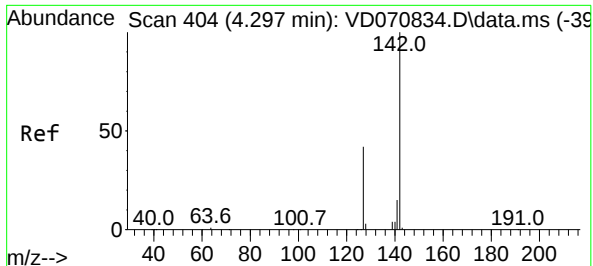
Tgt Ion:168 Resp: 449273
Ion Ratio Lower Upper
168 100
99 55.5 46.6 69.8



#5
Bromomethane
Concen: Below Cal
RT: 2.774 min Scan# 145
Delta R.T. 0.012 min
Lab File: VD070893.D
Acq: 28 Oct 2021 15:27

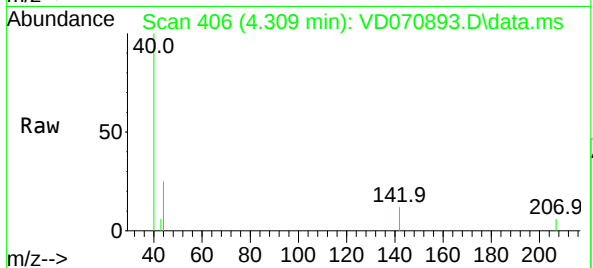
Tgt Ion: 94 Resp: 1114
Ion Ratio Lower Upper
94 100
96 66.7 74.8 112.2#



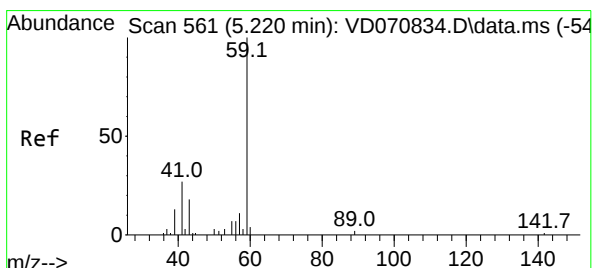
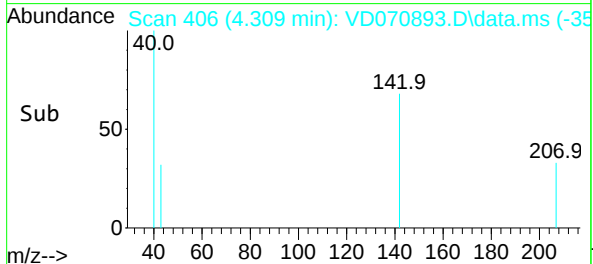
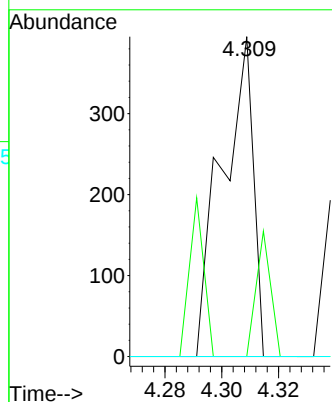


#10
Methyl Iodide
Concen: 3.661 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD070893.D
Acq: 28 Oct 2021 15:27

Instrument :
MSVOA_D
ClientSampled :

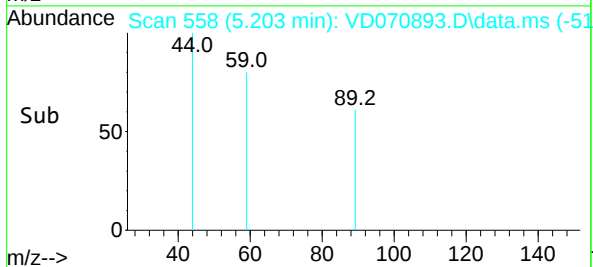
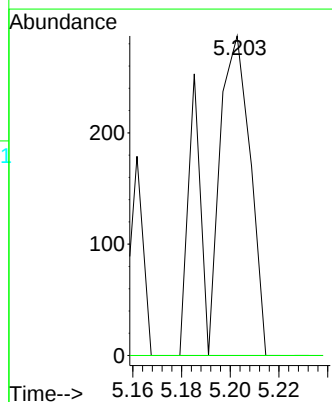
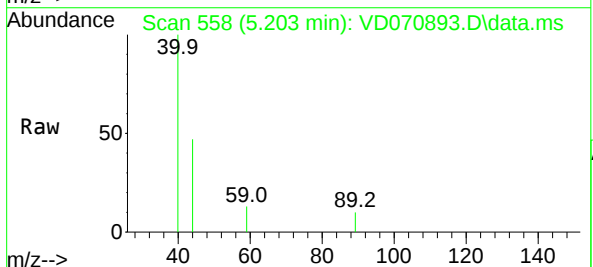


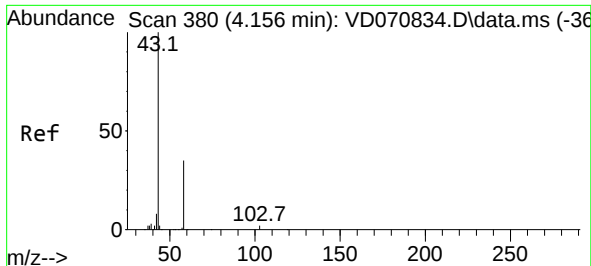
Tgt Ion:142 Resp: 303
Ion Ratio Lower Upper
142 100
127 18.2 35.0 52.4#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: 1.391 ug/l
RT: 5.203 min Scan# 558
Delta R.T. -0.017 min
Lab File: VD070893.D
Acq: 28 Oct 2021 15:27

Tgt Ion: 59 Resp: 334
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#

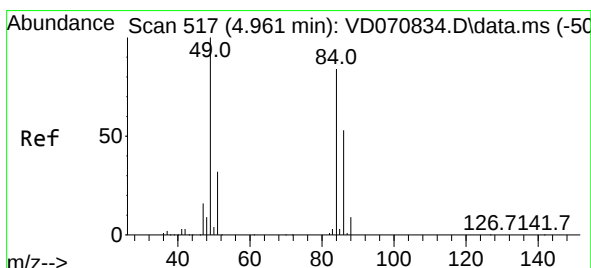
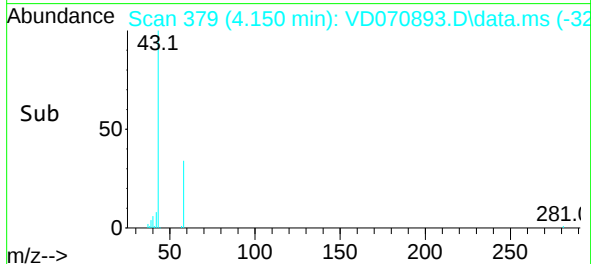
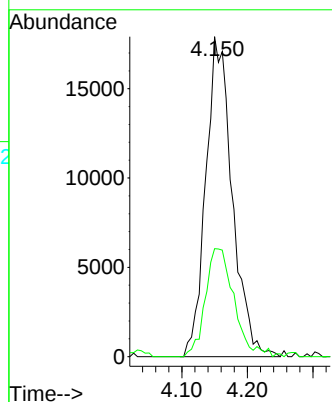
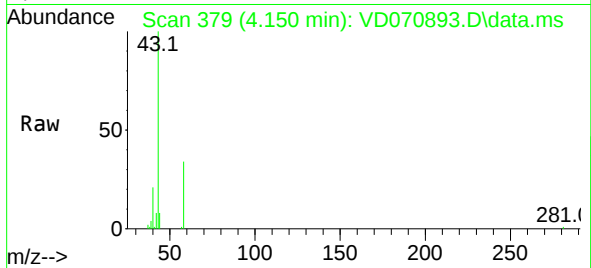




#16
Acetone
Concen: 47.655 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD070893.D
Acq: 28 Oct 2021 15:27

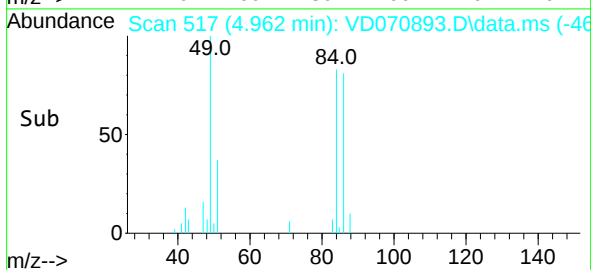
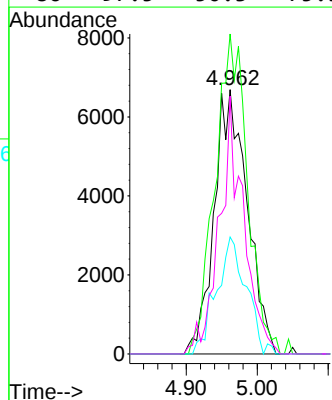
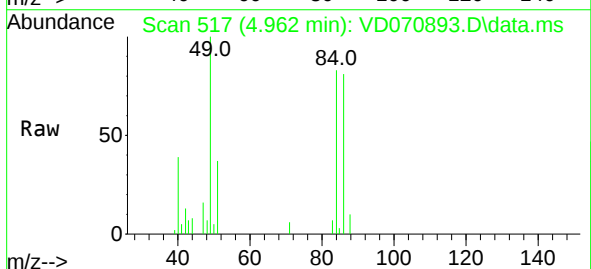
Instrument :
MSVOA_D
ClientSampled :

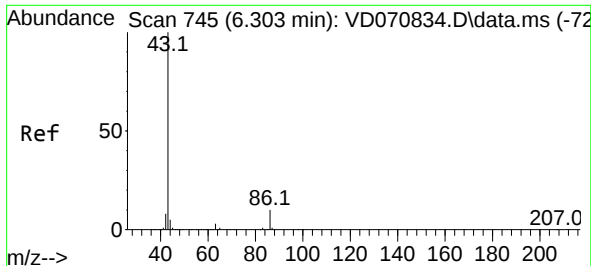
Tgt Ion: 43 Resp: 50098
Ion Ratio Lower Upper
43 100
58 33.7 27.8 41.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. 0.001 min
Lab File: VD070893.D
Acq: 28 Oct 2021 15:27

Tgt Ion: 84 Resp: 21549
Ion Ratio Lower Upper
84 100
49 121.1 95.8 143.6
51 44.2 30.9 46.3
86 97.5 50.3 75.5#

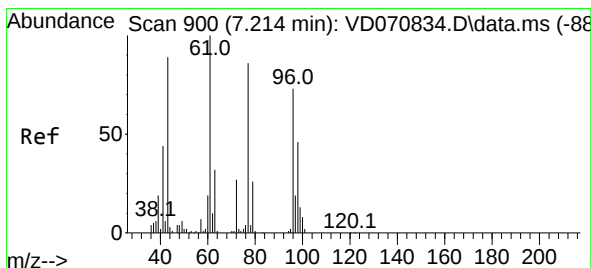
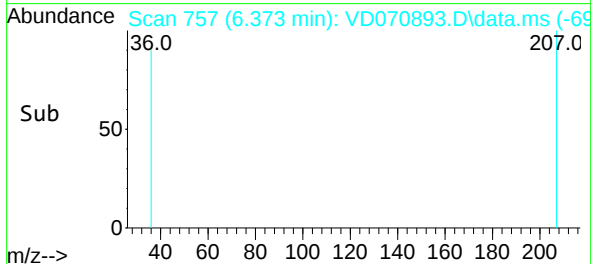
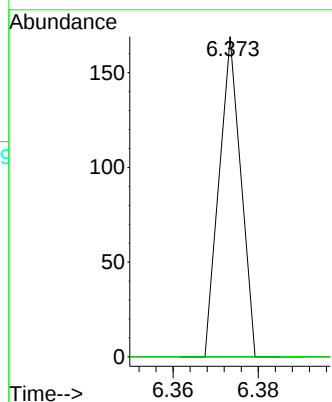
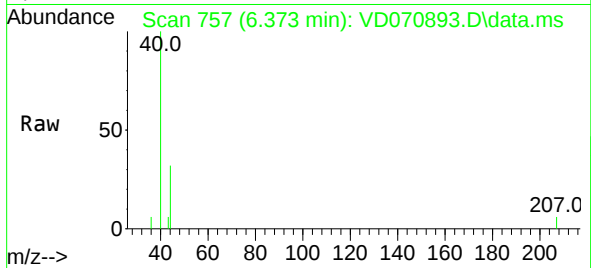




#23
 Vinyl Acetate
 Concen: 14.422 ug/l
 RT: 6.373 min Scan# 757
 Delta R.T. 0.070 min
 Lab File: VD070893.D
 Acq: 28 Oct 2021 15:27

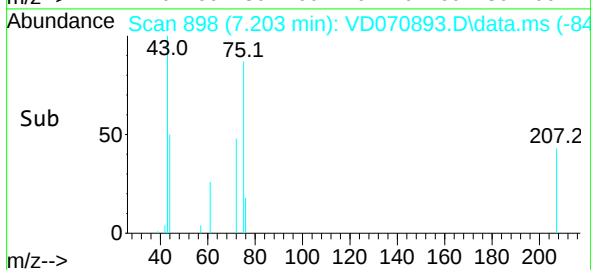
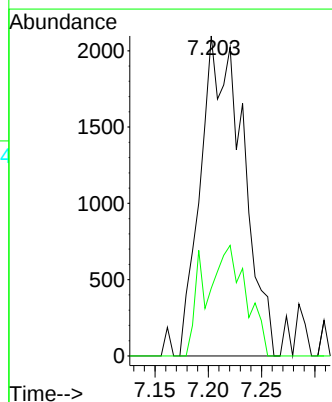
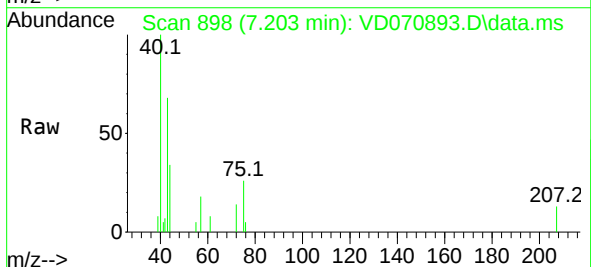
Instrument :
 MSVOA_D
 ClientSampled :

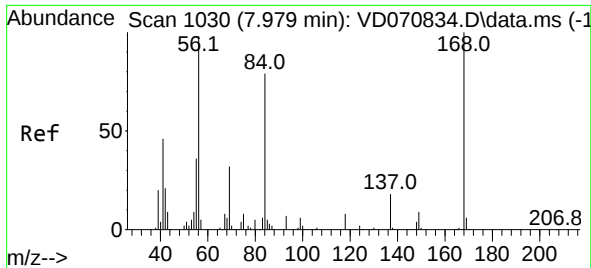
Tgt Ion: 43 Resp: 60
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 4.494 ug/l
 RT: 7.203 min Scan# 898
 Delta R.T. -0.012 min
 Lab File: VD070893.D
 Acq: 28 Oct 2021 15:27

Tgt Ion: 43 Resp: 5815
 Ion Ratio Lower Upper
 43 100
 72 21.2 23.8 35.6#

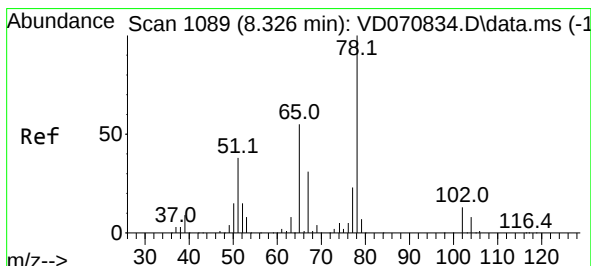
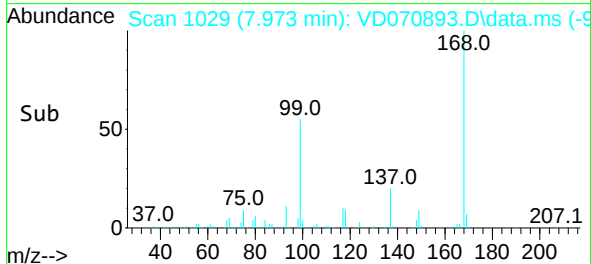
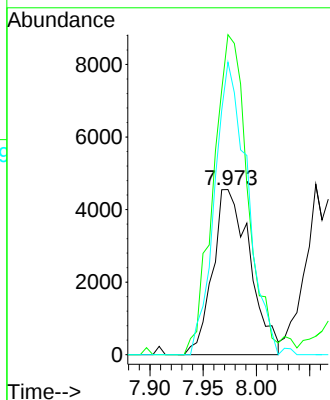
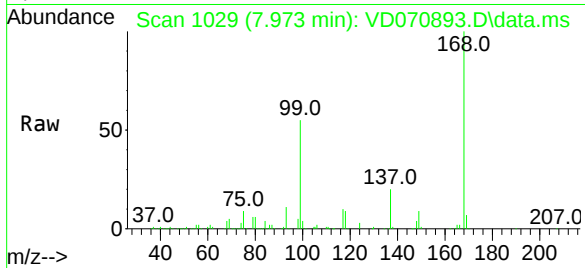




#31
Cyclohexane
Concen: 1.201 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070893.D
Acq: 28 Oct 2021 15:27

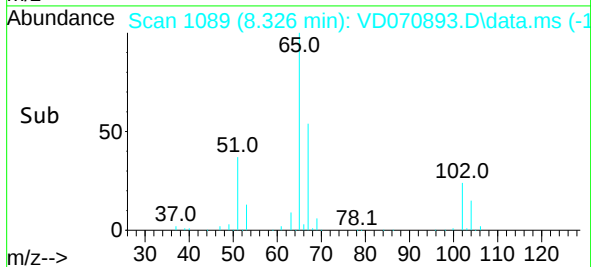
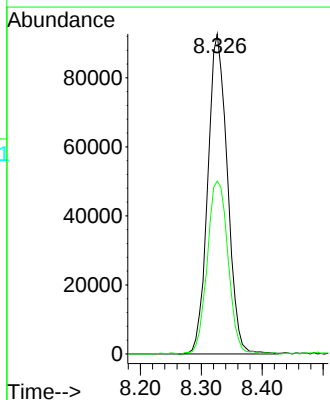
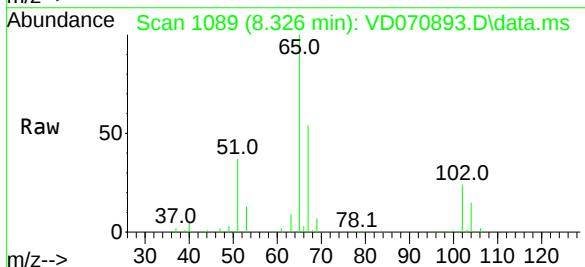
Instrument :
MSVOA_D
ClientSampled :

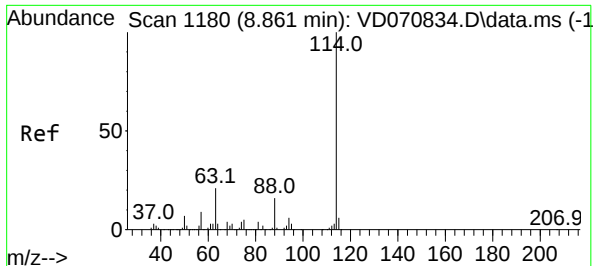
Tgt Ion: 56 Resp: 11060
Ion Ratio Lower Upper
56 100
69 193.8 25.9 38.9#
84 177.2 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 45.807 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070893.D
Acq: 28 Oct 2021 15:27

Tgt Ion: 65 Resp: 206981
Ion Ratio Lower Upper
65 100
67 57.2 0.0 112.2



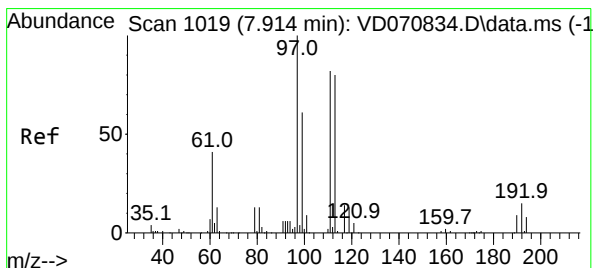
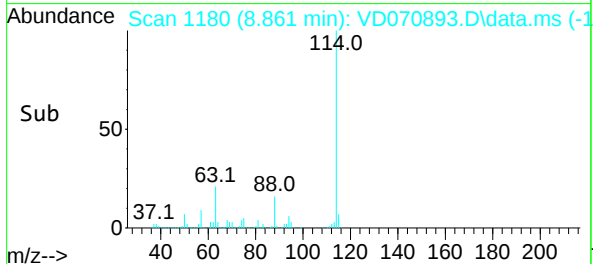
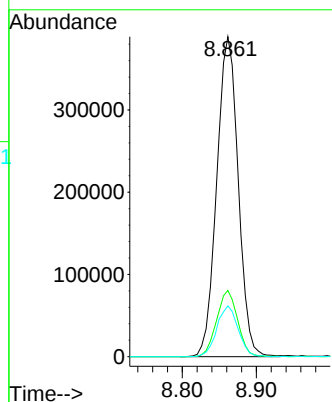
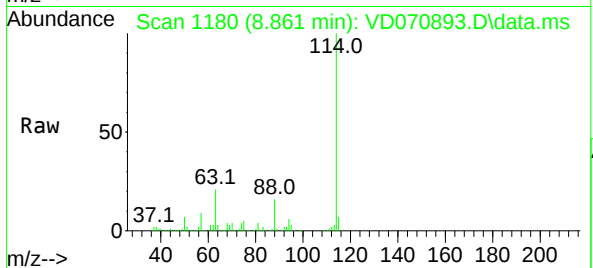


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070893.D
Acq: 28 Oct 2021 15:27

Instrument :
MSVOA_D
ClientSampled :

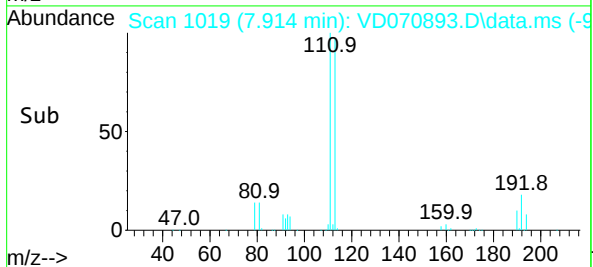
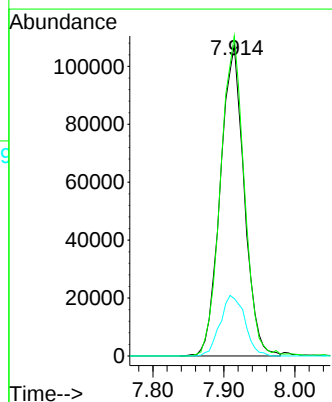
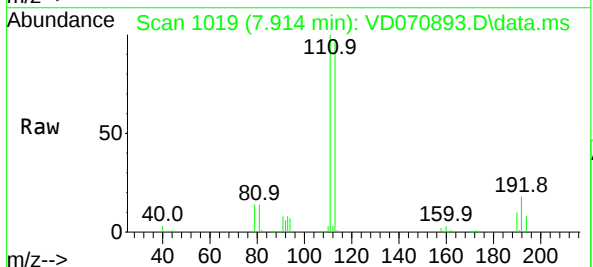
Tgt Ion:114 Resp: 782463
Ion Ratio Lower Upper
114 100
63 20.7 0.0 41.8
88 15.9 0.0 32.8

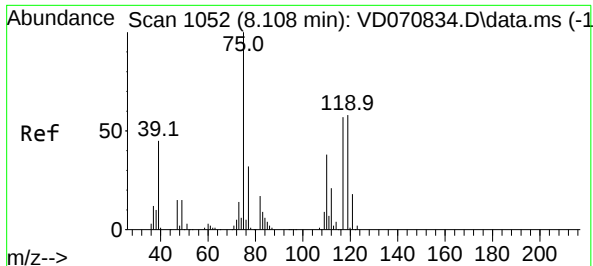


#35

Dibromofluoromethane
Concen: 48.385 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD070893.D
Acq: 28 Oct 2021 15:27

Tgt Ion:113 Resp: 249627
Ion Ratio Lower Upper
113 100
111 102.5 82.0 123.0
192 20.2 15.2 22.8

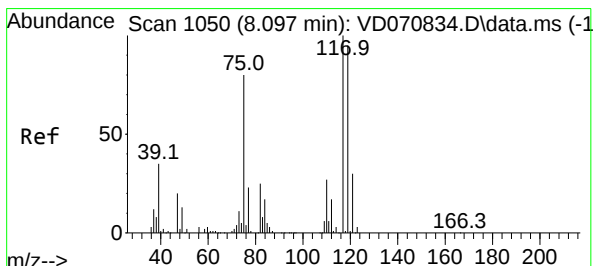
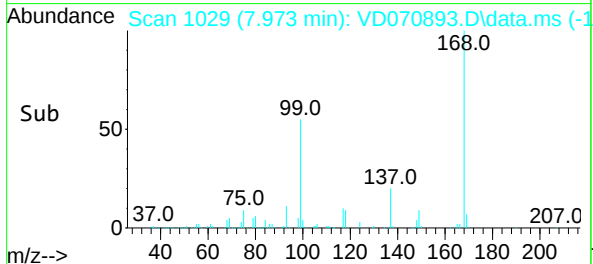
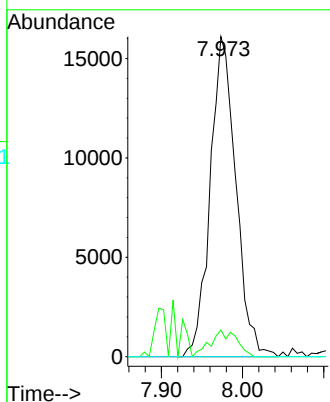
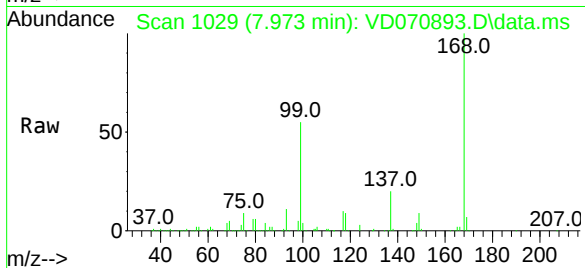




#36
1,1-Dichloropropene
Concen: 4.324 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070893.D
Acq: 28 Oct 2021 15:27

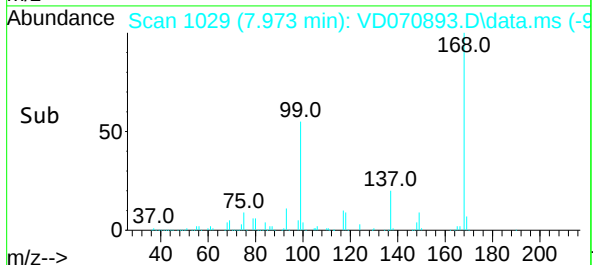
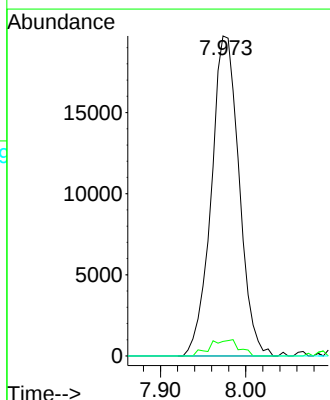
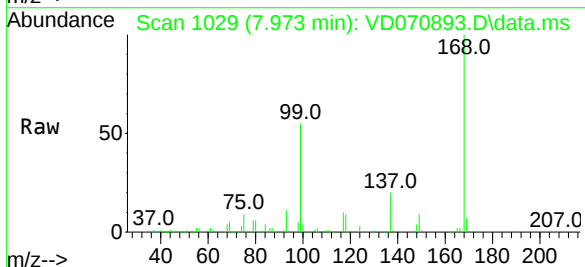
Instrument :
MSVOA_D
ClientSampled :

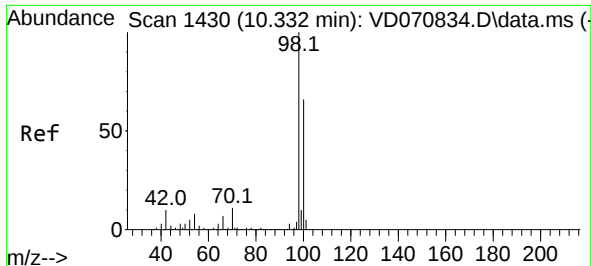
Tgt Ion: 75 Resp: 35402
Ion Ratio Lower Upper
75 100
110 8.3 17.8 53.4#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.428 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.123 min
Lab File: VD070893.D
Acq: 28 Oct 2021 15:27

Tgt Ion: 117 Resp: 44687
Ion Ratio Lower Upper
117 100
119 4.6 75.8 113.6#
121 0.0 23.6 35.4#

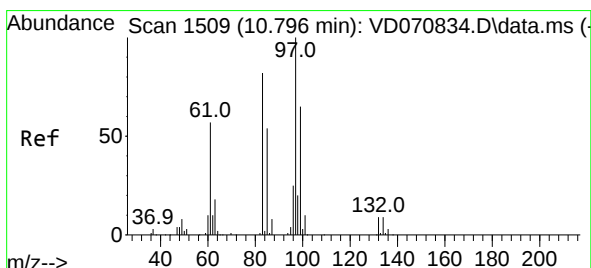
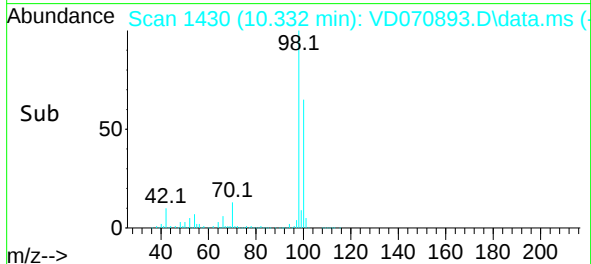
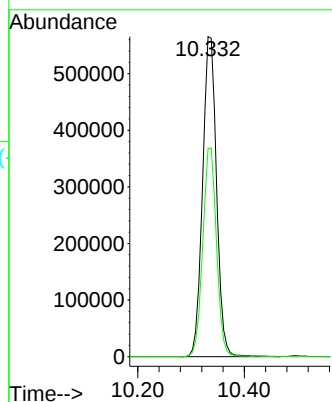
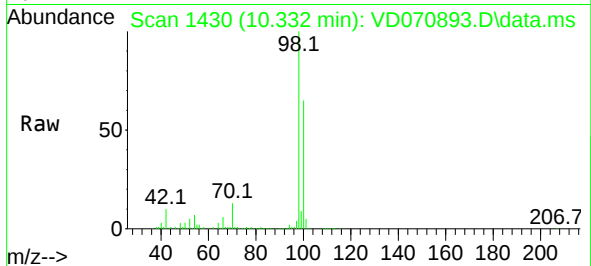




#50
Toluene-d8
Concen: 52.945 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD070893.D
Acq: 28 Oct 2021 15:27

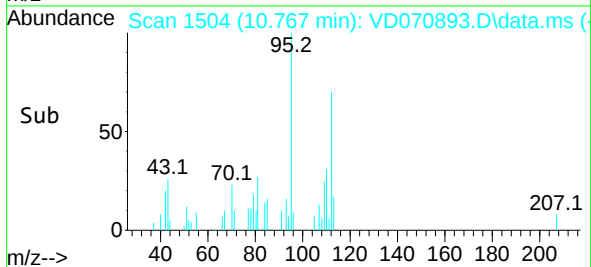
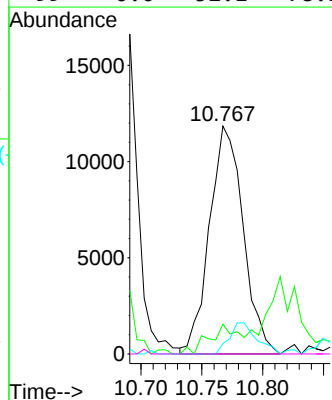
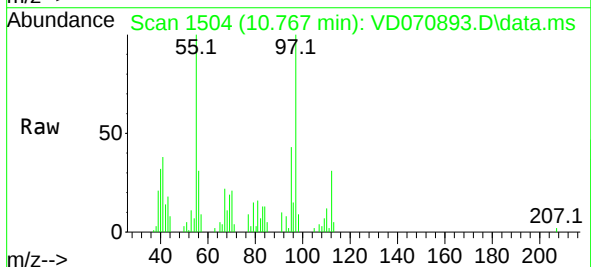
Instrument :
MSVOA_D
ClientSampled :

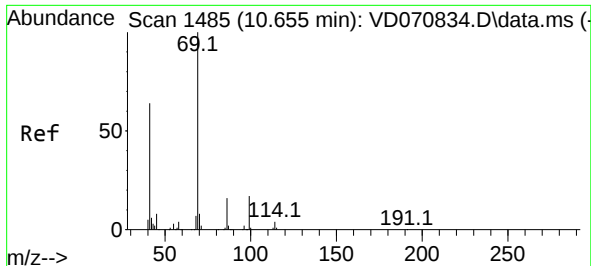
Tgt Ion: 98 Resp: 1027639
Ion Ratio Lower Upper
98 100
100 64.1 51.8 77.6



#55
1,1,2-Trichloroethane
Concen: 5.198 ug/l
RT: 10.767 min Scan# 1504
Delta R.T. -0.029 min
Lab File: VD070893.D
Acq: 28 Oct 2021 15:27

Tgt Ion: 97 Resp: 22808
Ion Ratio Lower Upper
97 100
83 13.0 65.2 97.8#
85 4.6 43.4 65.0#
99 0.0 52.1 78.1#

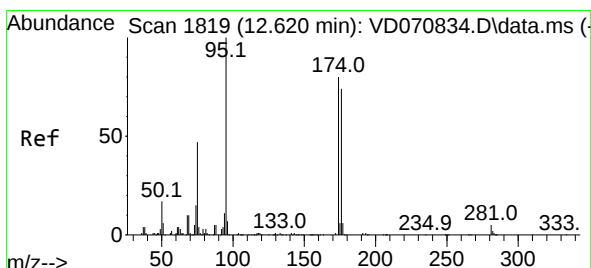
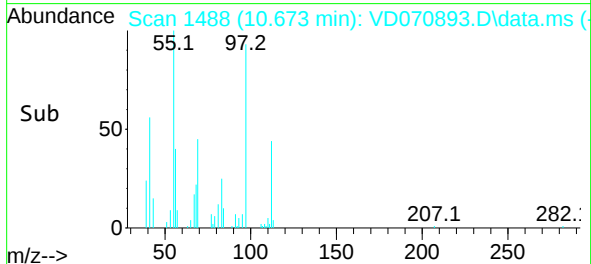
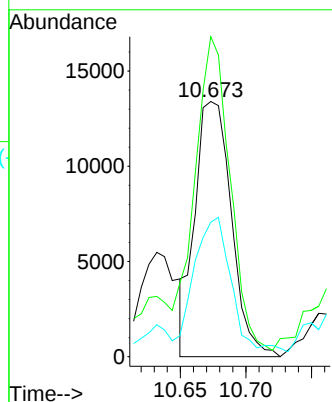
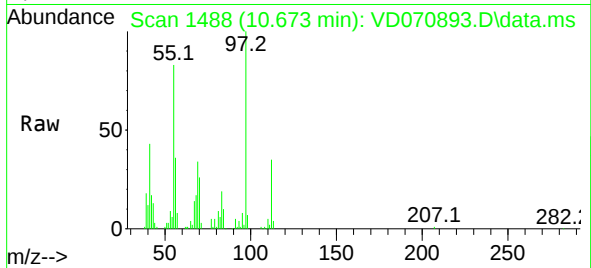




#56
Ethyl methacrylate
Concen: 7.384 ug/l
RT: 10.673 min Scan# 1488
Delta R.T. 0.018 min
Lab File: VD070893.D
Acq: 28 Oct 2021 15:27

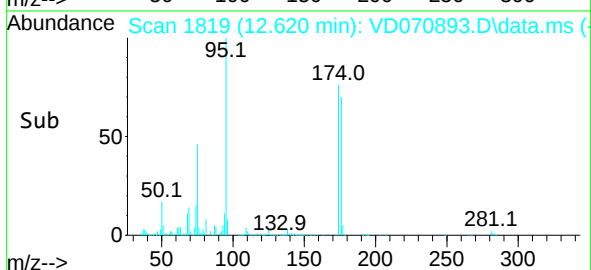
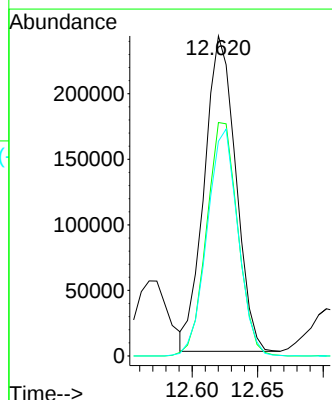
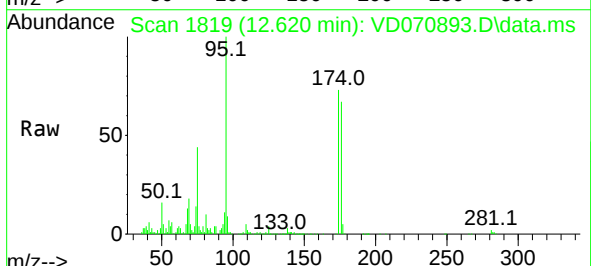
Instrument :
MSVOA_D
ClientSampled :

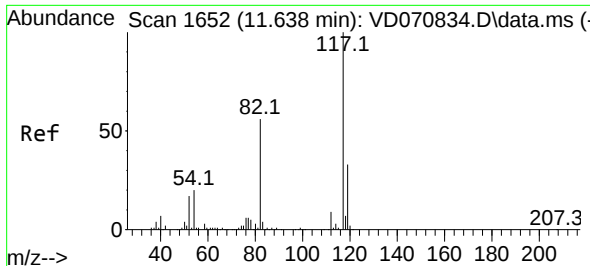
Tgt Ion: 69 Resp: 25889
Ion Ratio Lower Upper
69 100
41 118.5 50.2 75.2#
39 53.0 19.8 29.8#



#62
4-Bromofluorobenzene
Concen: 62.690 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD070893.D
Acq: 28 Oct 2021 15:27

Tgt Ion: 95 Resp: 401474
Ion Ratio Lower Upper
95 100
174 73.4 0.0 159.4
176 70.6 0.0 154.0

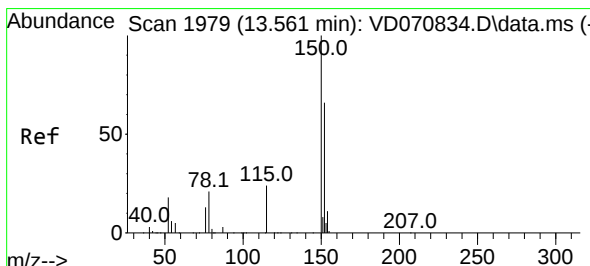
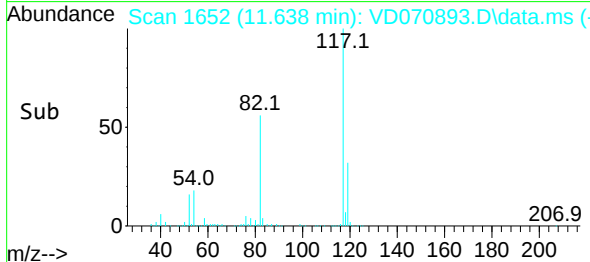
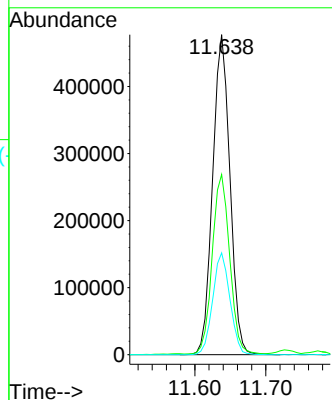
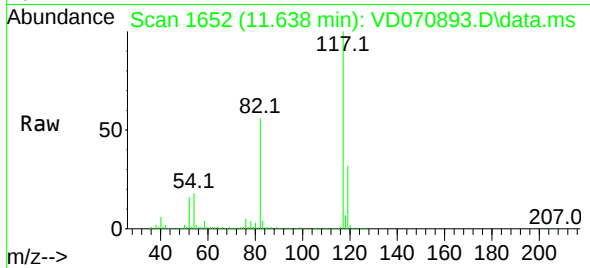




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070893.D
Acq: 28 Oct 2021 15:27

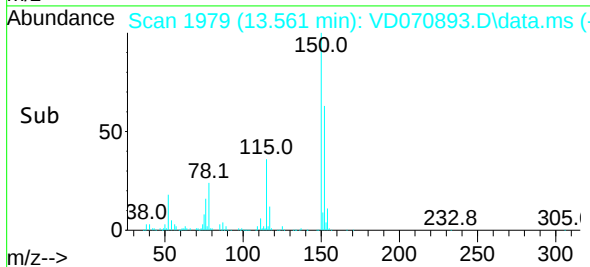
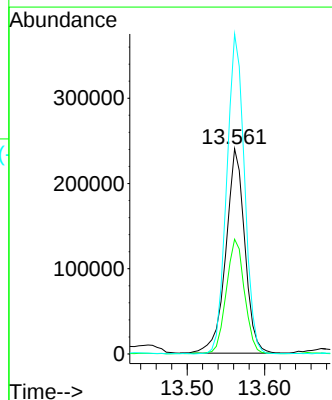
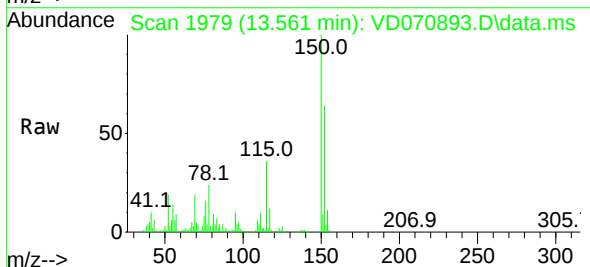
Instrument :
MSVOA_D
ClientSampleId :

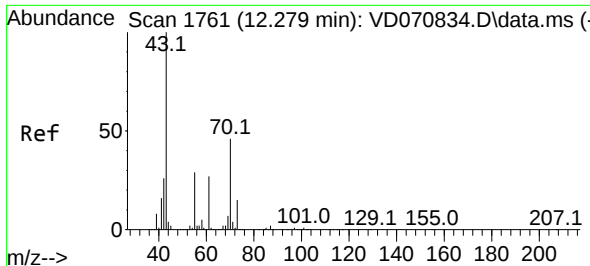
Tgt Ion:117 Resp: 805245
Ion Ratio Lower Upper
117 100
82 56.0 44.7 67.1
119 31.8 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070893.D
Acq: 28 Oct 2021 15:27

Tgt Ion:152 Resp: 407895
Ion Ratio Lower Upper
152 100
115 54.2 29.8 89.3
150 146.8 0.0 349.2

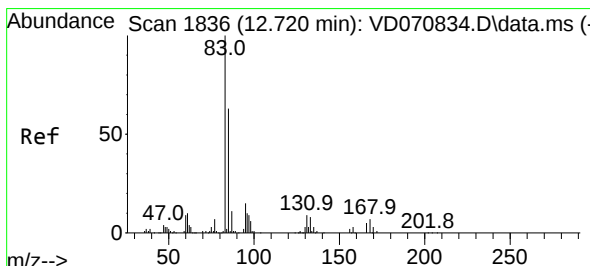
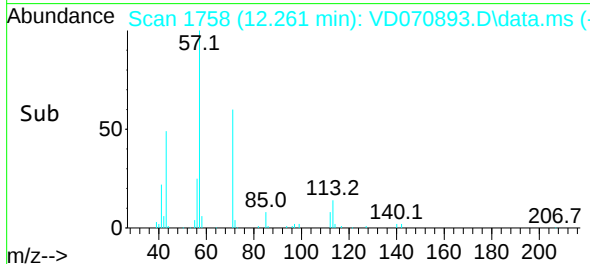
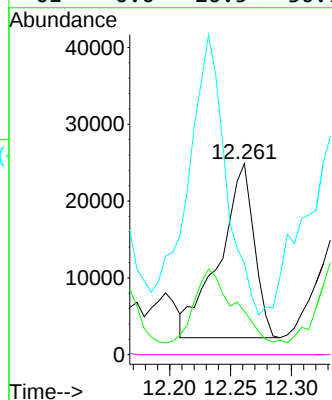
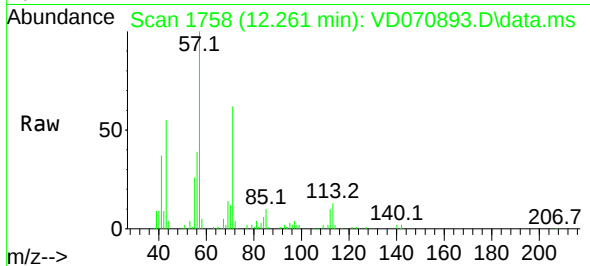




#74
N-amy1 acetate
Concen: 7.457 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.017 min
Lab File: VD070893.D
Acq: 28 Oct 2021 15:27

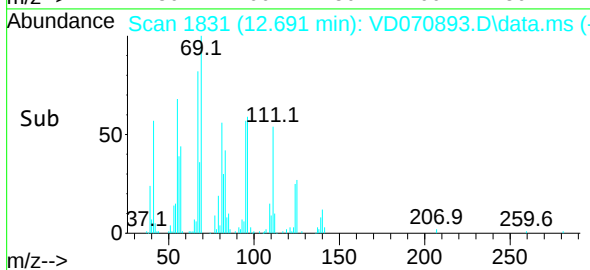
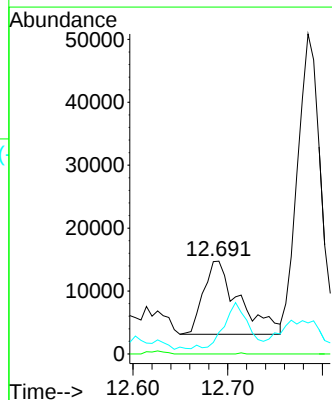
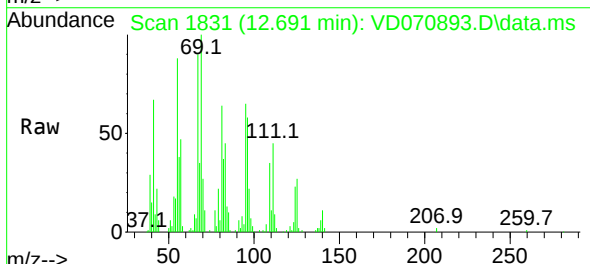
Instrument :
MSVOA_D
ClientSampled :

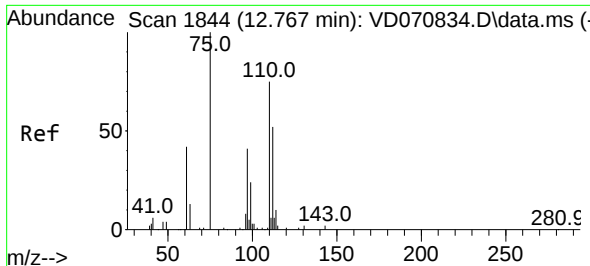
Tgt Ion:	43	Resp:	44618
Ion Ratio	Lower	Upper	
43	100		
70	0.0	36.6	55.0#
55	0.0	22.5	33.7#
61	0.0	20.5	30.7#



#75
1,1,2,2-Tetrachloroethane
Concen: 5.484 ug/l
RT: 12.691 min Scan# 1831
Delta R.T. -0.029 min
Lab File: VD070893.D
Acq: 28 Oct 2021 15:27

Tgt Ion:	83	Resp:	30444
Ion Ratio	Lower	Upper	
83	100		
131	0.0	4.9	14.7#
85	0.0	32.0	96.2#

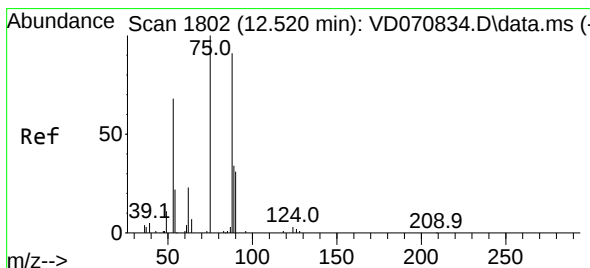
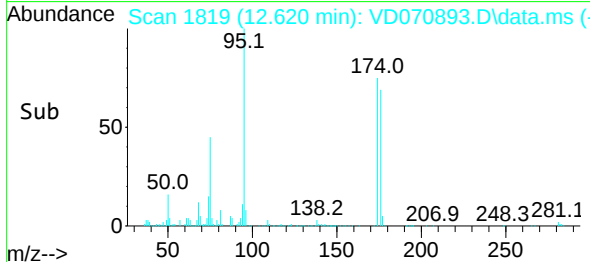
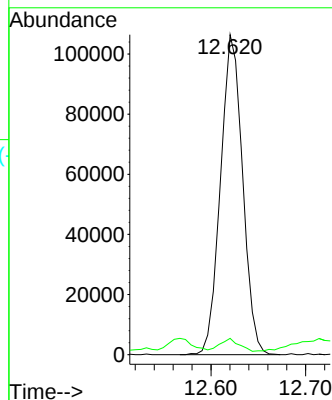
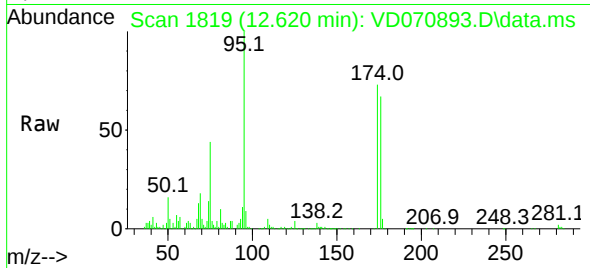




#76
1,2,3-Trichloropropane
Concen: 43.011 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD070893.D
Acq: 28 Oct 2021 15:27

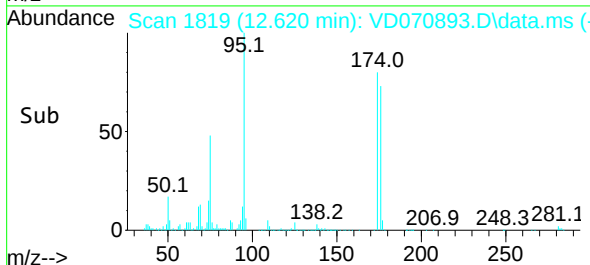
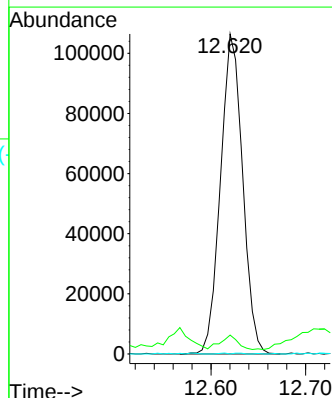
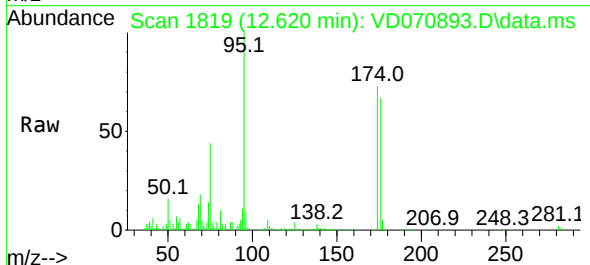
Instrument :
MSVOA_D
ClientSampled :

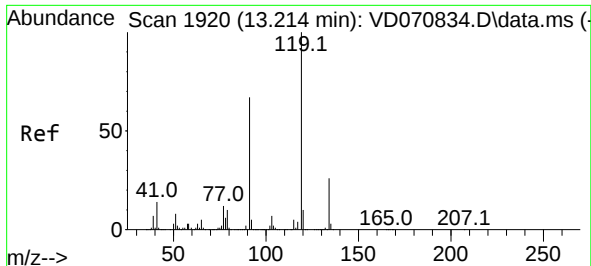
Tgt Ion: 75 Resp: 172707
Ion Ratio Lower Upper
75 100
77 3.1 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 112.890 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070893.D
Acq: 28 Oct 2021 15:27

Tgt Ion: 75 Resp: 172707
Ion Ratio Lower Upper
75 100
53 3.5 62.6 94.0#
89 0.1 34.5 51.7#

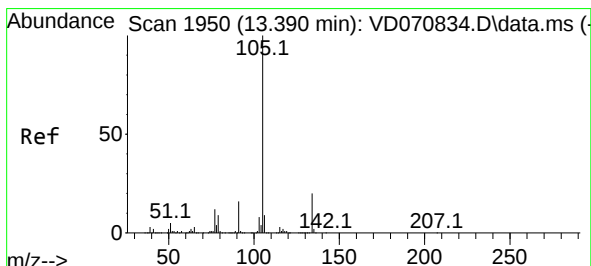
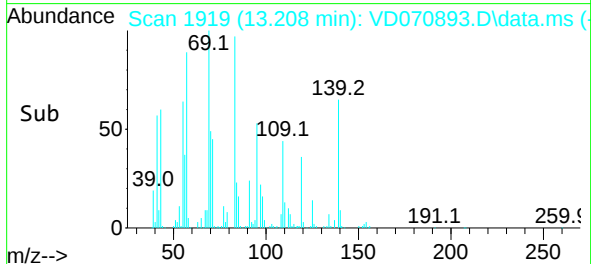
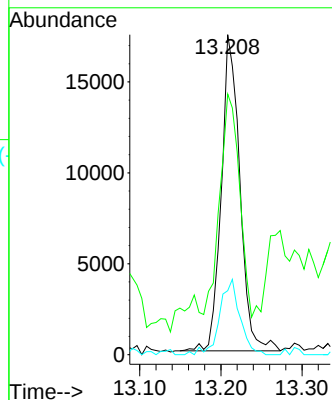
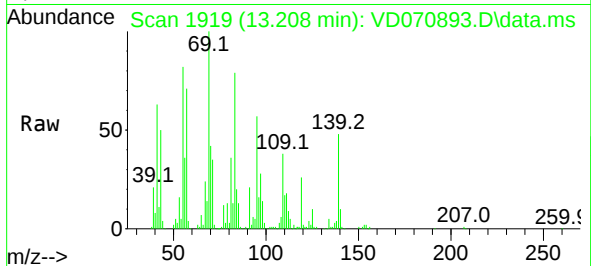




#83
tert-Butylbenzene
Concen: 1.440 ug/l
RT: 13.208 min Scan# 1919
Delta R.T. -0.006 min
Lab File: VD070893.D
Acq: 28 Oct 2021 15:27

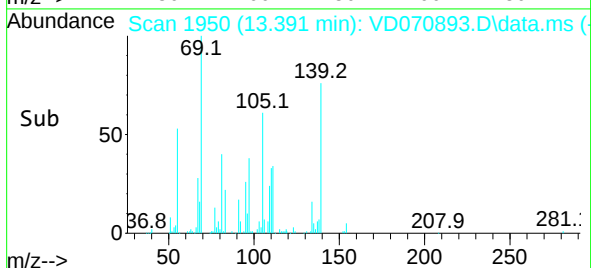
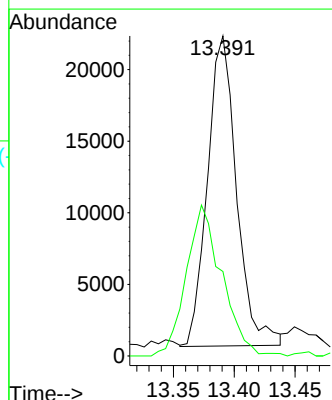
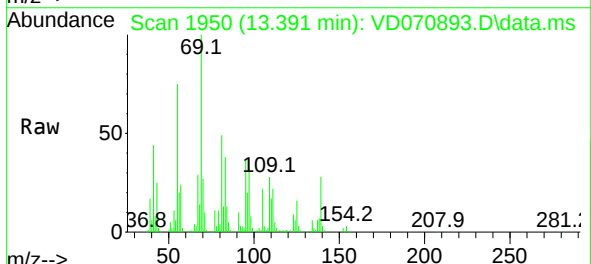
Instrument :
MSVOA_D
ClientSampleId :

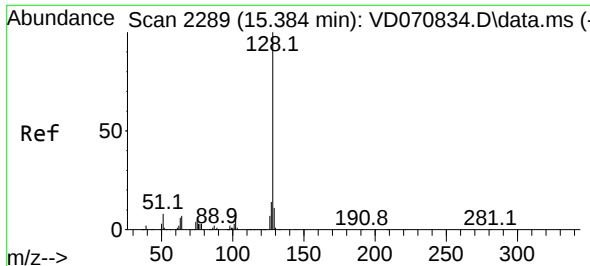
Tgt Ion:119 Resp: 27732
Ion Ratio Lower Upper
119 100
91 72.8 32.5 97.5
134 25.9 13.2 39.6



#85
sec-Butylbenzene
Concen: 1.188 ug/l
RT: 13.391 min Scan# 1950
Delta R.T. 0.000 min
Lab File: VD070893.D
Acq: 28 Oct 2021 15:27

Tgt Ion:105 Resp: 36080
Ion Ratio Lower Upper
105 100
134 59.3 9.7 28.9#

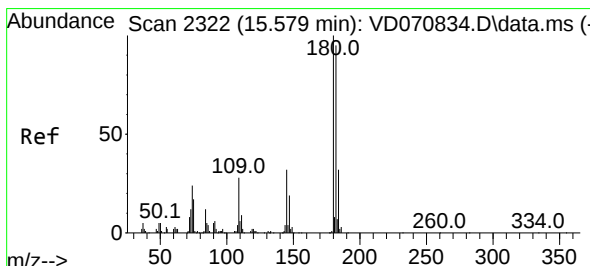
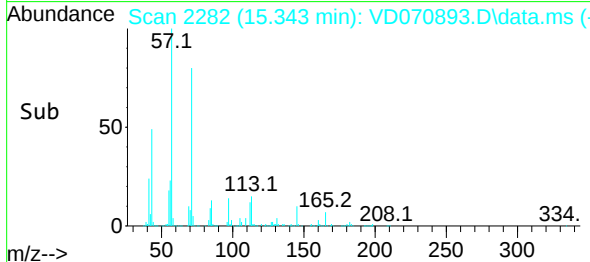
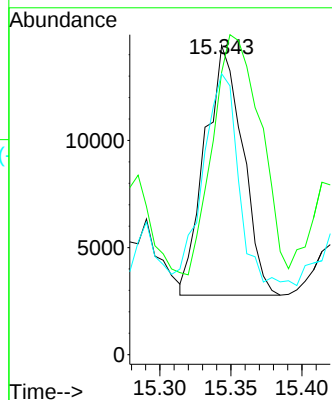
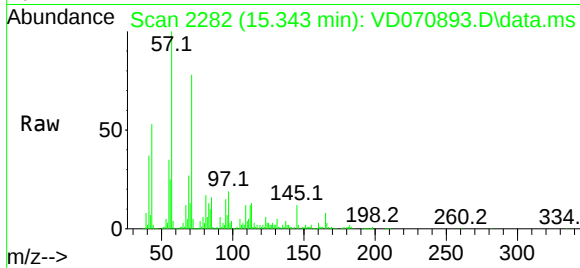




#95
Naphthalene
Concen: 5.669 ug/l
RT: 15.343 min Scan# 2282
Delta R.T. -0.041 min
Lab File: VD070893.D
Acq: 28 Oct 2021 15:27

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 21574
Ion Ratio Lower Upper
128 100
127 120.1 10.7 16.1#
129 75.4 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.503 ug/l
RT: 15.702 min Scan# 2343
Delta R.T. 0.124 min
Lab File: VD070893.D
Acq: 28 Oct 2021 15:27

Tgt Ion:180 Resp: 14678
Ion Ratio Lower Upper
180 100
182 86.0 46.7 140.1
145 38.4 15.9 47.6

