

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072821\
 Data File : VD069893.D
 Acq On : 28 Jul 2021 17:19
 Operator : VA/SY
 Sample : M3204-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-01-072721

Quant Time: Jul 29 04:01:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:51:13 2021
 Response via : Initial Calibration

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

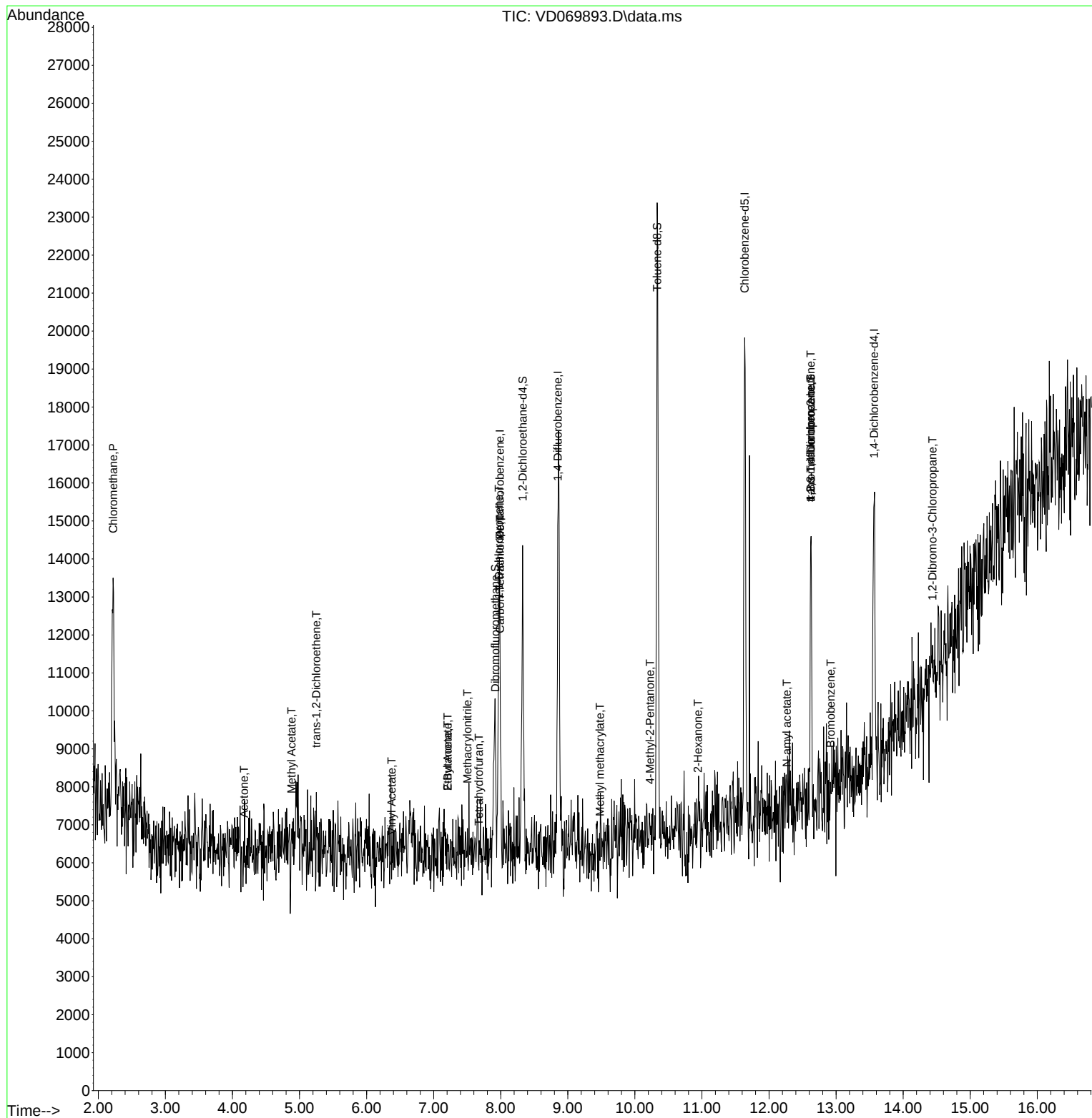
Internal Standards						
1) Pentafluorobenzene	7.985	168	6229	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.850	114	10551	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.638	117	9044	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	2384	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	5297	73.940	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 147.880%	
35) Dibromofluoromethane	7.920	113	3038	45.675	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 91.340%	
50) Toluene-d8	10.332	98	11988	46.742	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 93.480%	
62) 4-Bromofluorobenzene	12.620	95	3190	37.217	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 74.440%	
Target Compounds						Qvalue
3) Chloromethane	2.221	50	147	1.546	ug/l #	20
5) Bromomethane	2.826	94	56	Below Cal		97
16) Acetone	4.173	43	53	4.095	ug/l #	38
18) Methyl Acetate	4.879	43	61	1.625	ug/l #	48
20) Methylene Chloride	4.973	84	339	Below Cal	#	67
21) trans-1,2-Dichloroethene	5.250	96	118	1.405	ug/l #	1
23) Vinyl Acetate	6.373	43	54	20.746	ug/l #	71
25) 2-Butanone	7.209	43	80	4.558	ug/l #	46
29) Tetrahydrofuran	7.673	42	56	4.932	ug/l #	32
36) 1,1-Dichloropropene	7.973	75	482	4.233	ug/l #	42
37) Ethyl Acetate	7.209	43	80	1.930	ug/l #	67
38) Carbon Tetrachloride	7.991	117	393	3.779	ug/l #	12
41) Methacrylonitrile	7.503	41	56	2.574	ug/l #	18
48) Methyl methacrylate	9.479	41	71	4.442	ug/l #	13
51) 4-Methyl-2-Pentanone	10.226	43	141	3.645	ug/l #	34
59) 2-Hexanone	10.938	43	66	2.579	ug/l #	21
74) N-amyl acetate	12.267	43	54	1.533	ug/l #	25
76) 1,2,3-Trichloropropane	12.620	75	1505	59.392	ug/l #	1
77) Bromobenzene	12.920	156	63	1.633	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	1505	180.179	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.438	75	109	22.128	ug/l #	7

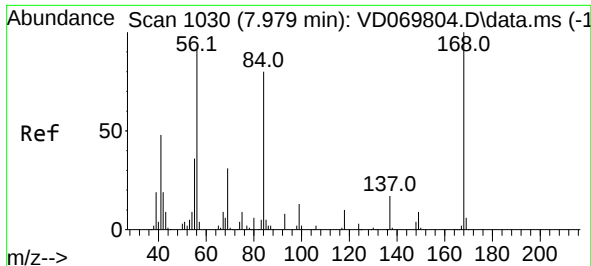
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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EO-01-072721

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Quant Title : SW846 8260
QLast Update : Fri Jul 23 04:51:13 2021
Response via : Initial Calibration

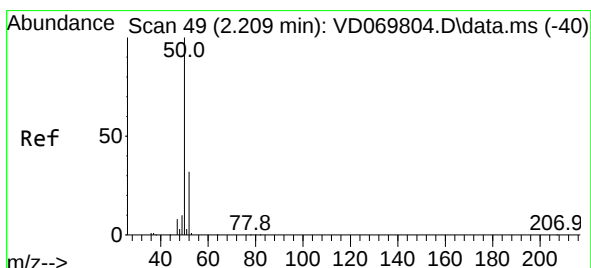
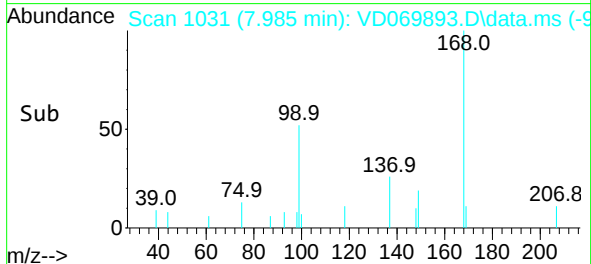
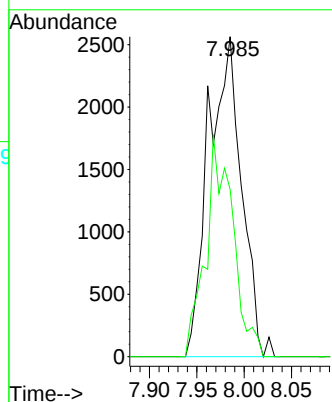
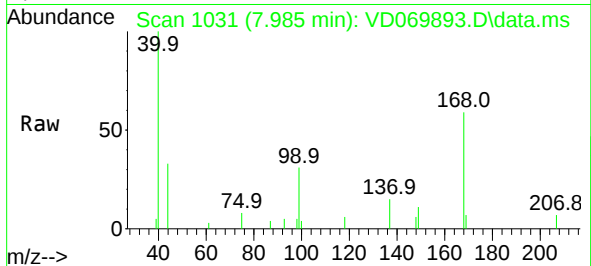




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD069893.D
Acq: 28 Jul 2021 17:19

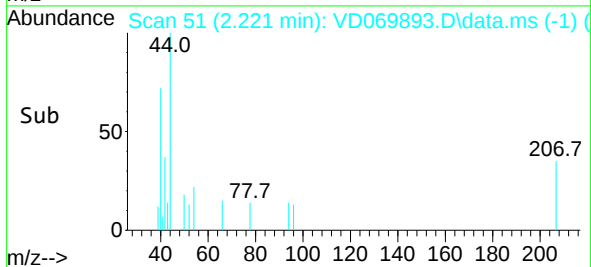
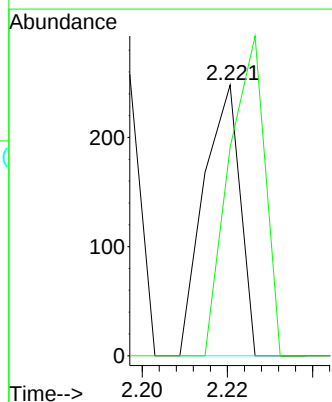
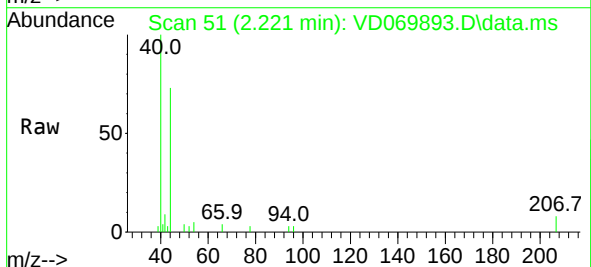
Instrument :
MSVOA_D
ClientSampleId :
EO-01-072721

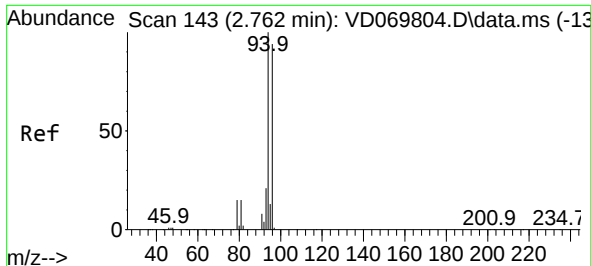
Tgt Ion:168 Resp: 6229
Ion Ratio Lower Upper
168 100
99 52.3 51.1 76.7



#3
Chloromethane
Concen: 1.546 ug/l
RT: 2.221 min Scan# 51
Delta R.T. 0.012 min
Lab File: VD069893.D
Acq: 28 Jul 2021 17:19

Tgt Ion: 50 Resp: 147
Ion Ratio Lower Upper
50 100
52 77.0 25.7 38.5#

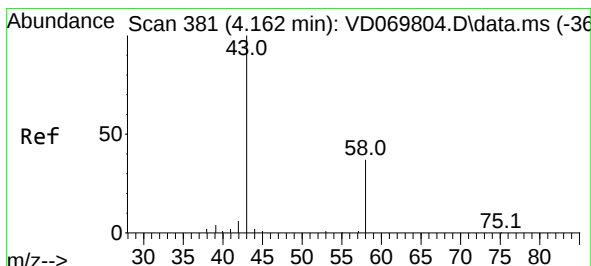
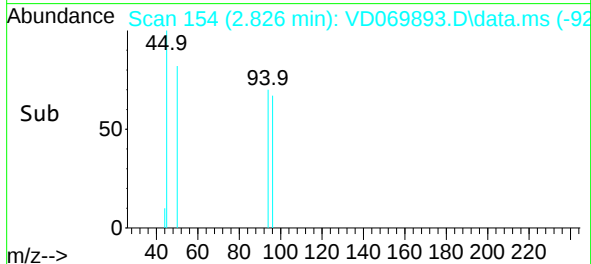
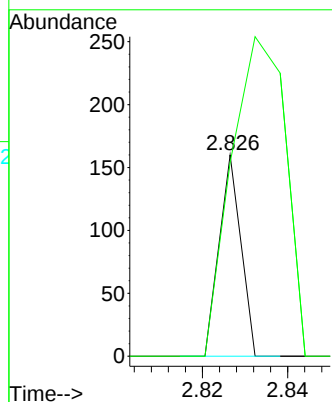
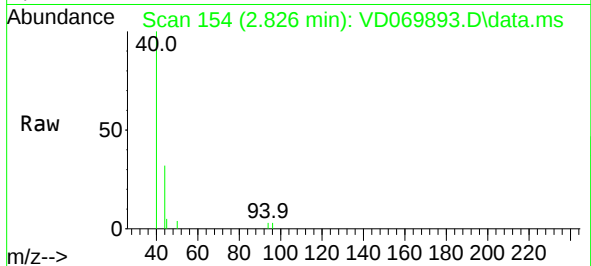




#5
Bromomethane
Concen: Below Cal
RT: 2.826 min Scan# 154
Delta R.T. 0.064 min
Lab File: VD069893.D
Acq: 28 Jul 2021 17:19

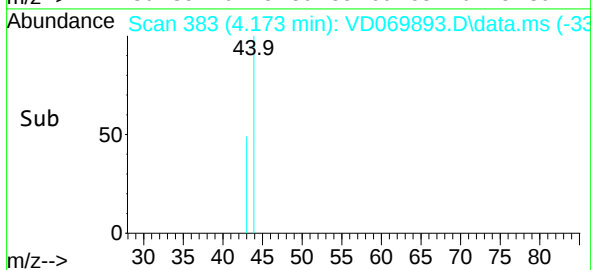
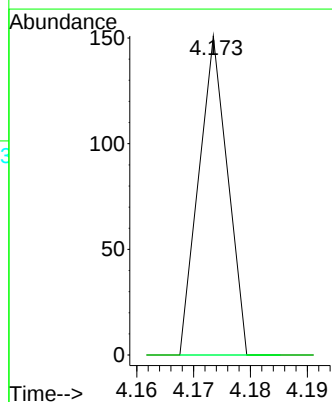
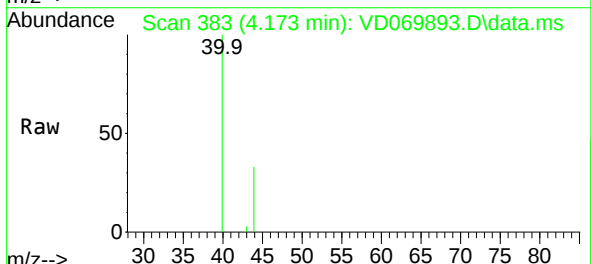
Instrument :
MSVOA_D
ClientSampleId :
EO-01-072721

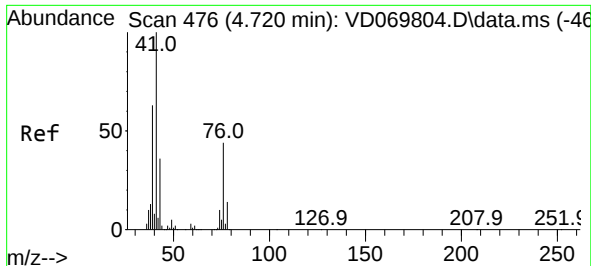
Tgt Ion: 94 Resp: 56
Ion Ratio Lower Upper
94 100
96 96.3 74.8 112.2



#16
Acetone
Concen: 4.095 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.012 min
Lab File: VD069893.D
Acq: 28 Jul 2021 17:19

Tgt Ion: 43 Resp: 53
Ion Ratio Lower Upper
43 100
58 0.0 29.4 44.0#

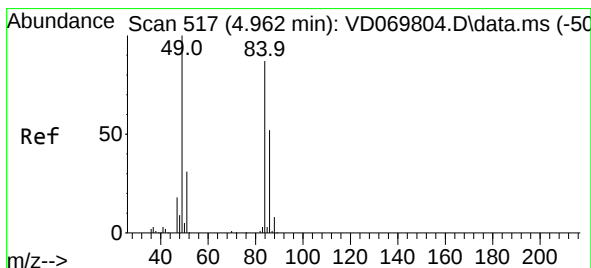
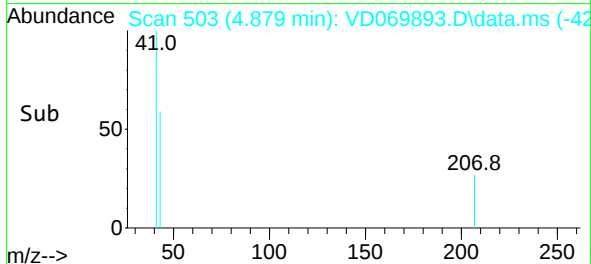
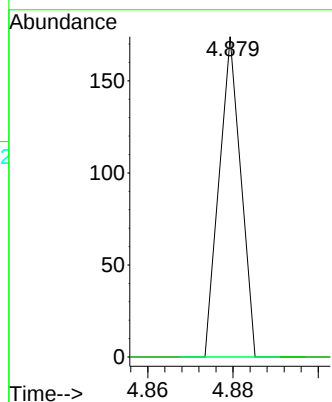
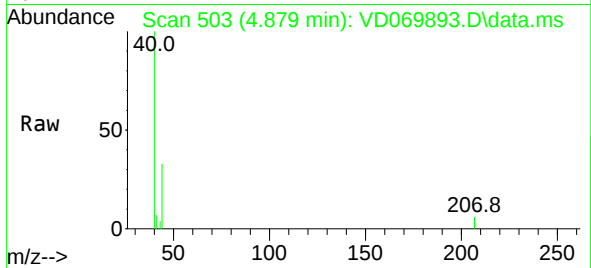




#18
Methyl Acetate
Concen: 1.625 ug/l
RT: 4.879 min Scan# 503
Delta R.T. 0.159 min
Lab File: VD069893.D
Acq: 28 Jul 2021 17:19

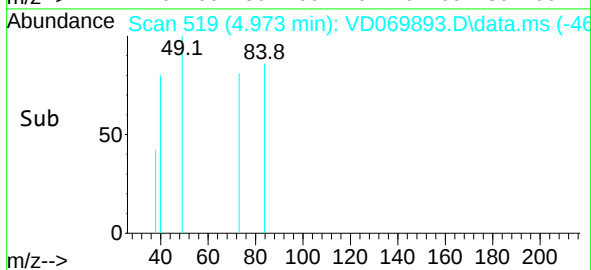
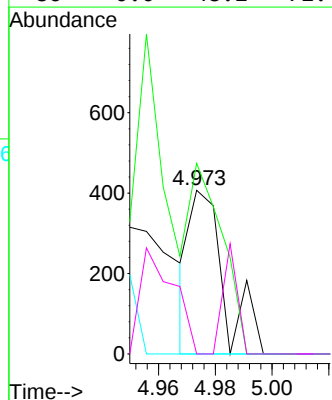
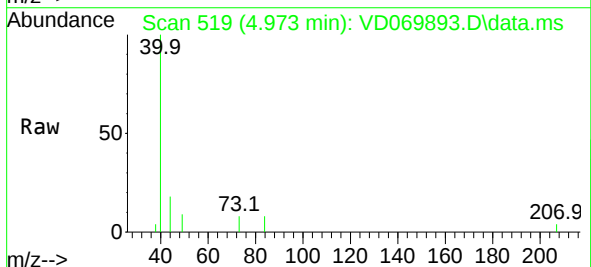
Instrument :
MSVOA_D
ClientSampleId :
EO-01-072721

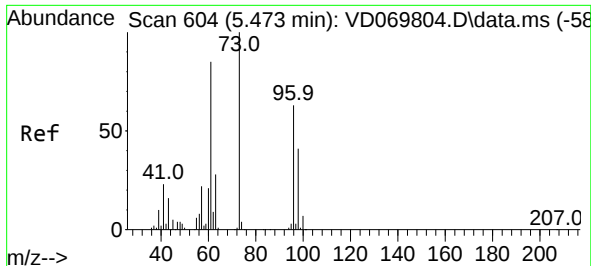
Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
74 0.0 21.4 32.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.011 min
Lab File: VD069893.D
Acq: 28 Jul 2021 17:19

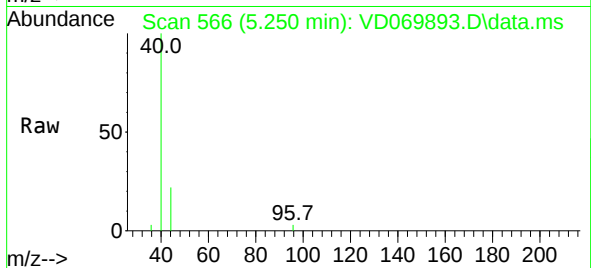
Tgt Ion: 84 Resp: 339
Ion Ratio Lower Upper
84 100
49 116.5 92.4 138.6
51 0.0 28.5 42.7#
86 0.0 48.2 72.4#



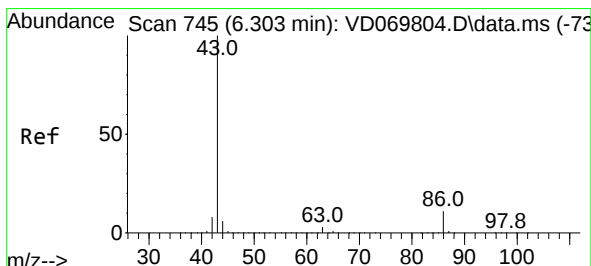
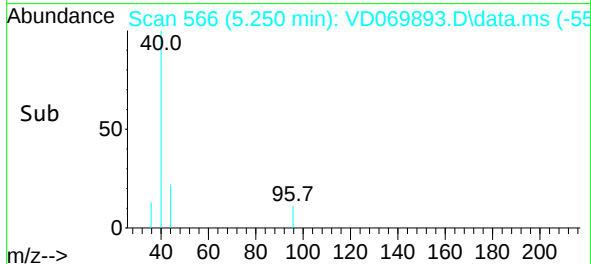
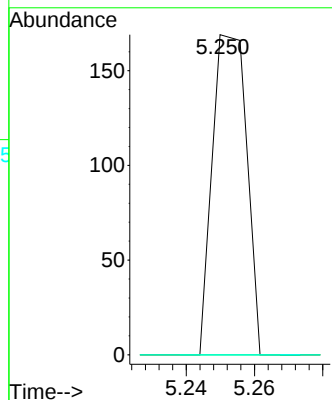


#21
trans-1,2-Dichloroethene
Concen: 1.405 ug/l
RT: 5.250 min Scan# 566
Delta R.T. -0.224 min
Lab File: VD069893.D
Acq: 28 Jul 2021 17:19

Instrument :
MSVOA_D
ClientSampleId :
EO-01-072721

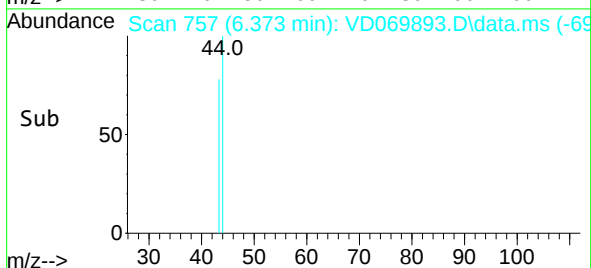
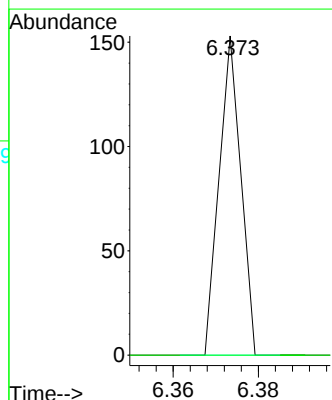
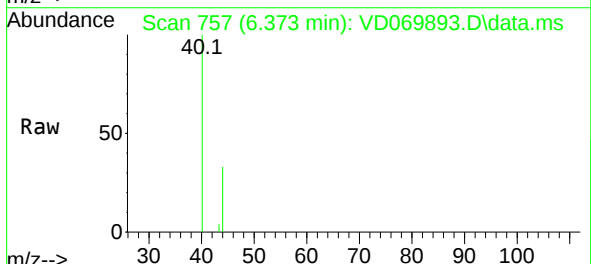


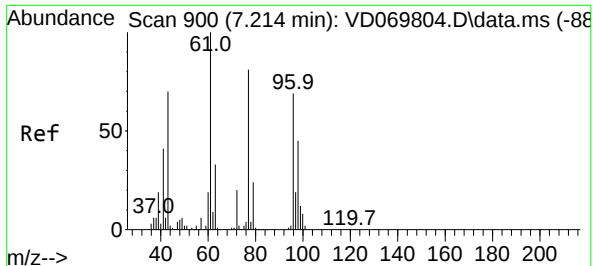
Tgt Ion: 96 Resp: 118
Ion Ratio Lower Upper
96 100
61 0.0 107.0 160.6#
98 0.0 52.3 78.5#



#23
Vinyl Acetate
Concen: 20.746 ug/l
RT: 6.373 min Scan# 757
Delta R.T. 0.070 min
Lab File: VD069893.D
Acq: 28 Jul 2021 17:19

Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
86 0.0 8.6 13.0#

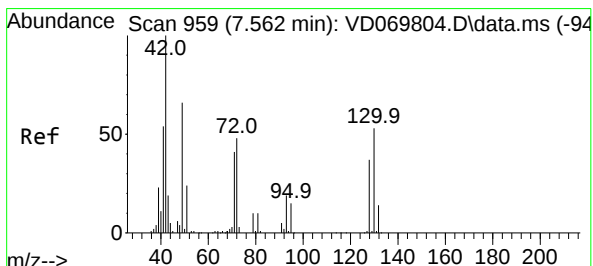
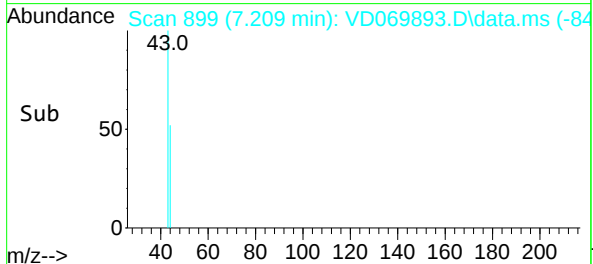
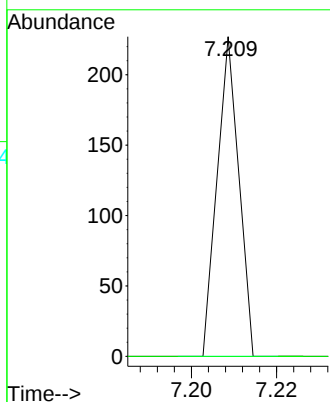
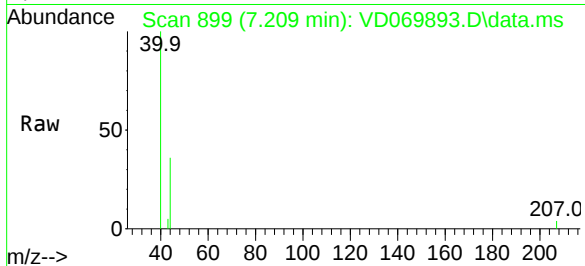




#25
2-Butanone
Concen: 4.558 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD069893.D
Acq: 28 Jul 2021 17:19

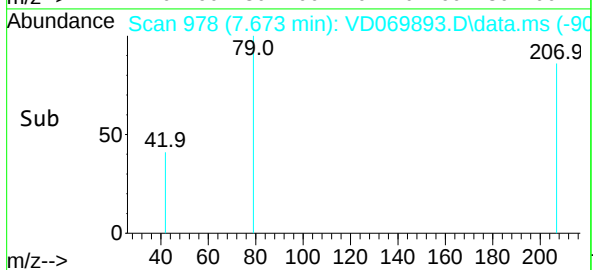
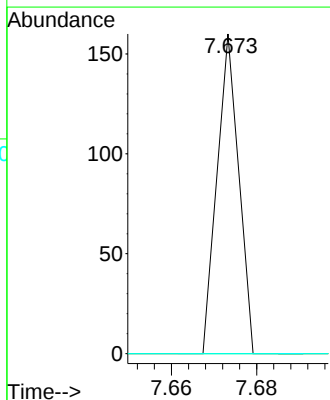
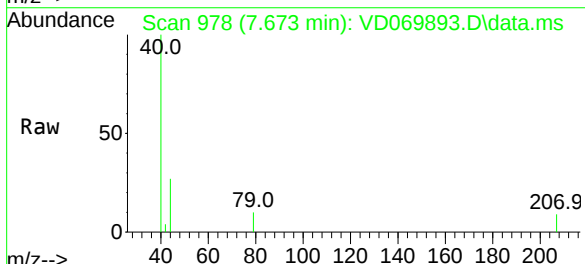
Instrument :
MSVOA_D
ClientSampleId :
EO-01-072721

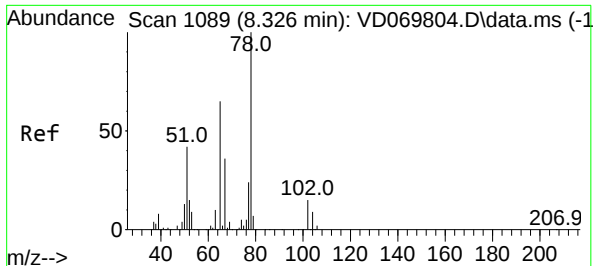
Tgt Ion: 43 Resp: 80
Ion Ratio Lower Upper
43 100
72 0.0 22.8 34.2#



#29
Tetrahydrofuran
Concen: 4.932 ug/l
RT: 7.673 min Scan# 978
Delta R.T. 0.112 min
Lab File: VD069893.D
Acq: 28 Jul 2021 17:19

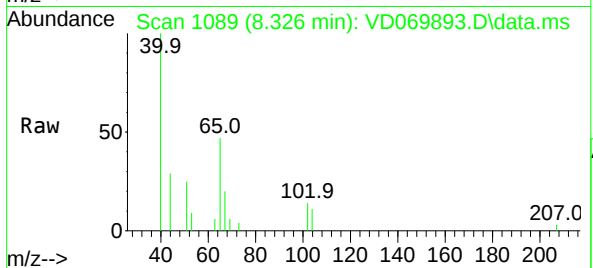
Tgt Ion: 42 Resp: 56
Ion Ratio Lower Upper
42 100
72 0.0 36.5 54.7#
71 0.0 33.5 50.3#



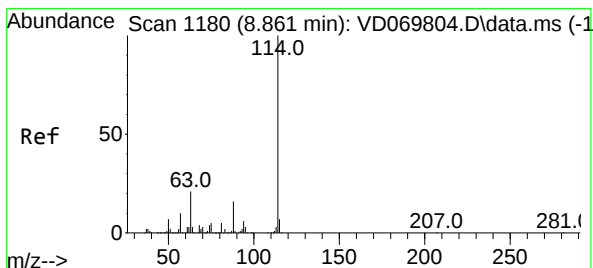
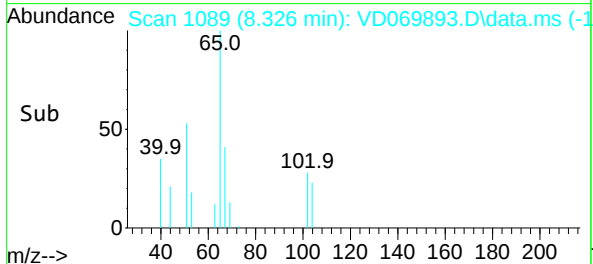
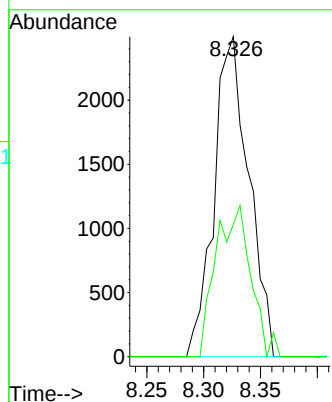


#33
1,2-Dichloroethane-d4
Concen: 73.940 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD069893.D
Acq: 28 Jul 2021 17:19

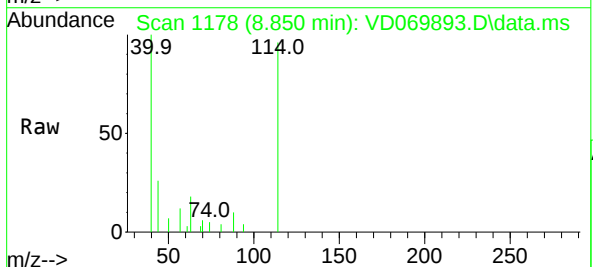
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MSVOA_D
ClientSampleId :
EO-01-072721



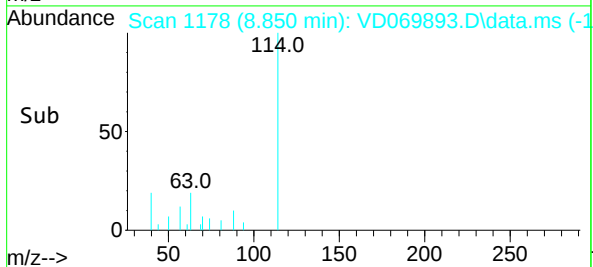
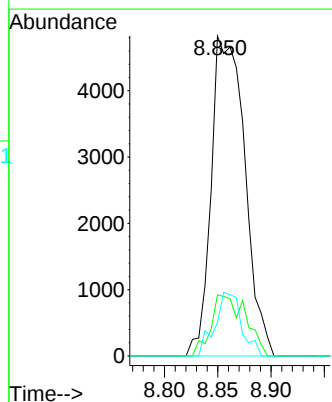
Tgt Ion: 65 Resp: 5297
Ion Ratio Lower Upper
65 100
67 47.6 0.0 111.2

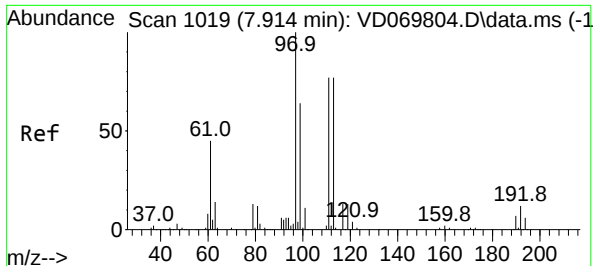


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.850 min Scan# 1178
Delta R.T. -0.011 min
Lab File: VD069893.D
Acq: 28 Jul 2021 17:19



Tgt Ion: 114 Resp: 10551
Ion Ratio Lower Upper
114 100
63 19.1 0.0 41.6
88 10.4 0.0 31.4



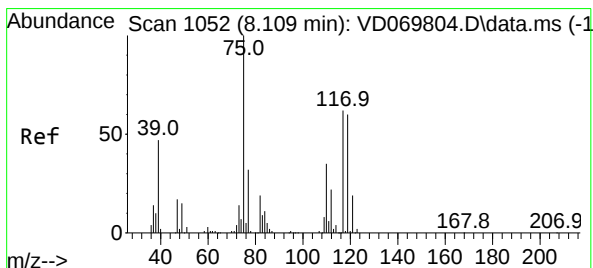
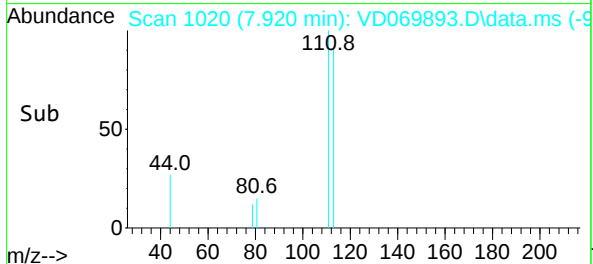
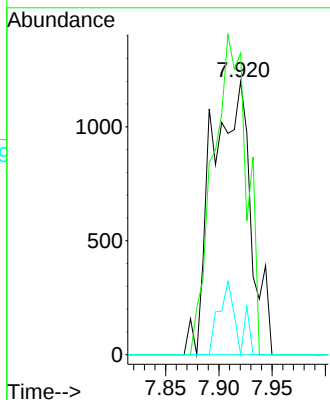
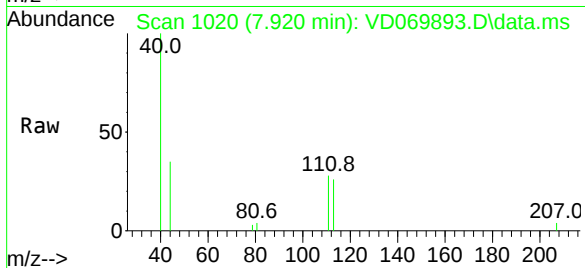


#35

Dibromofluoromethane
Concen: 45.675 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.006 min
Lab File: VD069893.D
Acq: 28 Jul 2021 17:19

Instrument :
MSVOA_D
ClientSampleId :
EO-01-072721

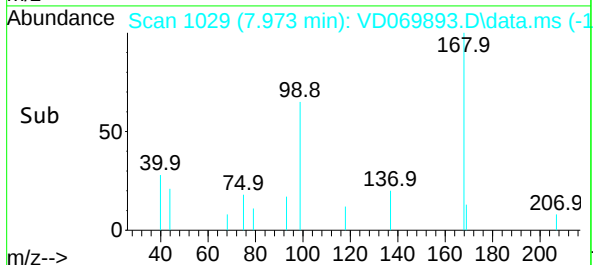
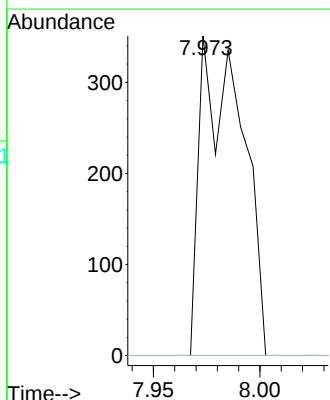
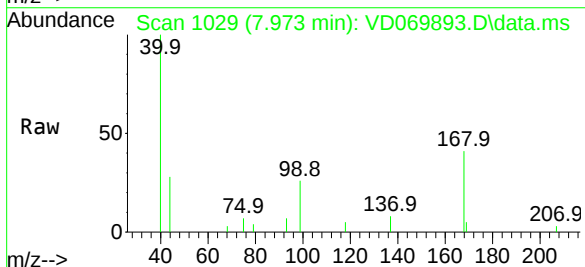
Tgt Ion:113 Resp: 3038
Ion Ratio Lower Upper
113 100
111 101.8 80.5 120.7
192 0.0 12.6 19.0#

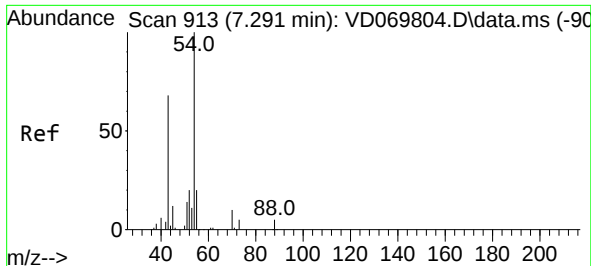


#36

1,1-Dichloropropene
Concen: 4.233 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD069893.D
Acq: 28 Jul 2021 17:19

Tgt Ion: 75 Resp: 482
Ion Ratio Lower Upper
75 100
110 0.0 16.9 50.7#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 1.930 ug/l

RT: 7.209 min Scan# 899

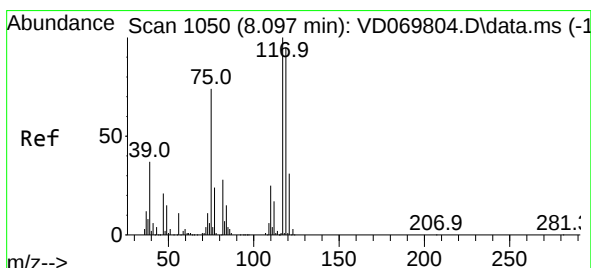
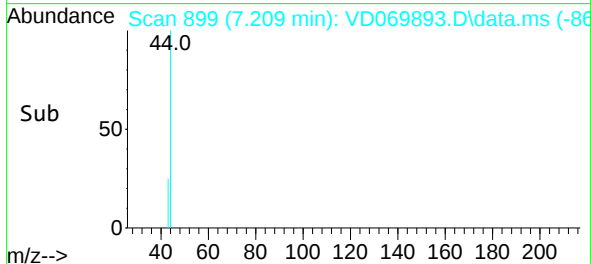
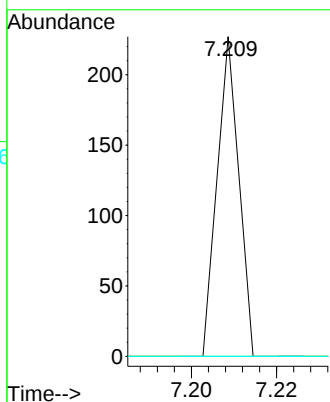
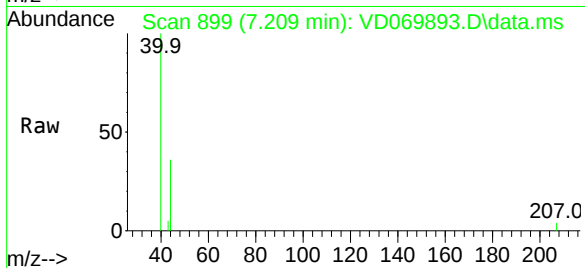
Delta R.T. -0.082 min

Lab File: VD069893.D

Acq: 28 Jul 2021 17:19

Tgt Ion:	43	Resp:	80
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.8	17.8#
70	0.0	8.9	13.3#

Instrument :
MSVOA_D
ClientSampleId :
EO-01-072721



#38

Carbon Tetrachloride

Concen: 3.779 ug/l

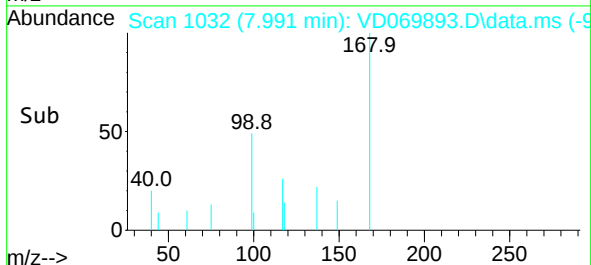
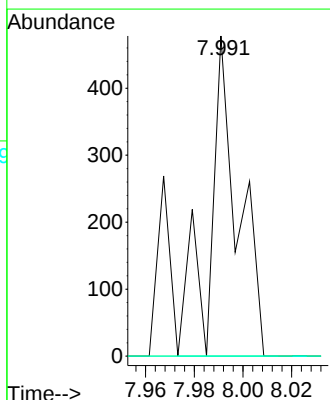
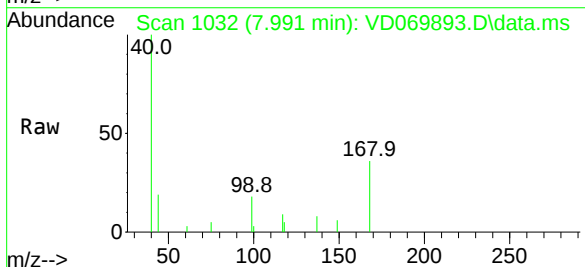
RT: 7.991 min Scan# 1032

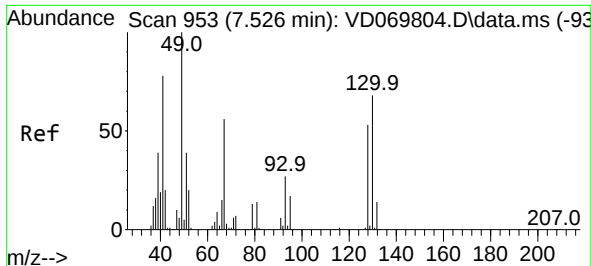
Delta R.T. -0.106 min

Lab File: VD069893.D

Acq: 28 Jul 2021 17:19

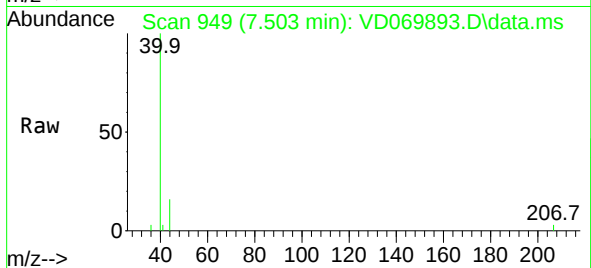
Tgt Ion:	117	Resp:	393
Ion	Ratio	Lower	Upper
117	100		
119	0.0	76.2	114.2#
121	0.0	24.5	36.7#



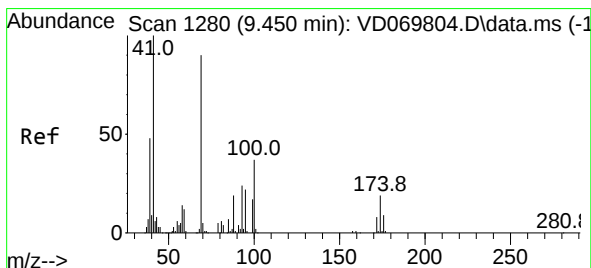
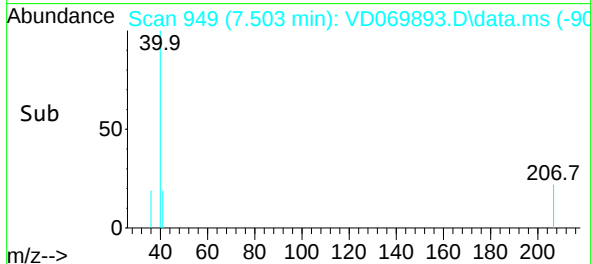
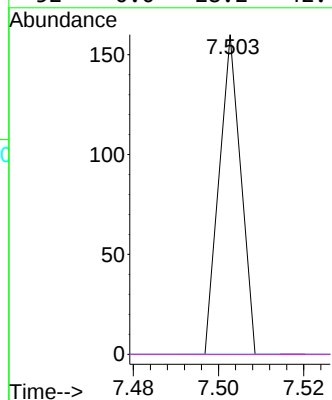


#41
Methacrylonitrile
Concen: 2.574 ug/l
RT: 7.503 min Scan# 949
Delta R.T. -0.024 min
Lab File: VD069893.D
Acq: 28 Jul 2021 17:19

Instrument :
MSVOA_D
ClientSampleId :
EO-01-072721

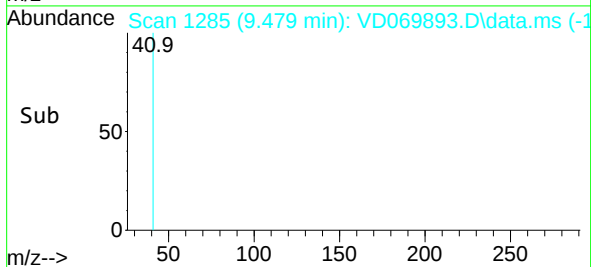
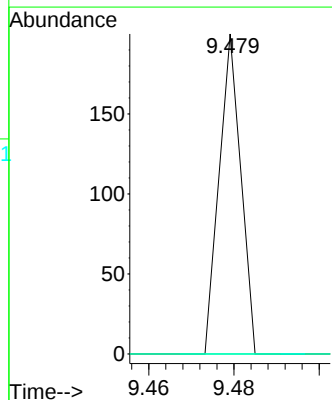
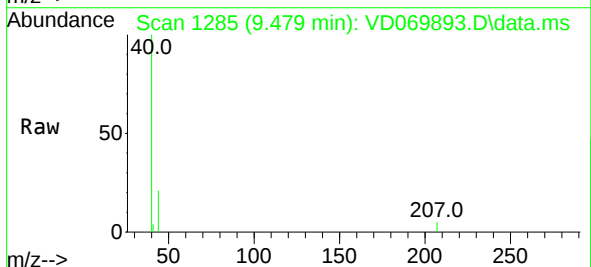


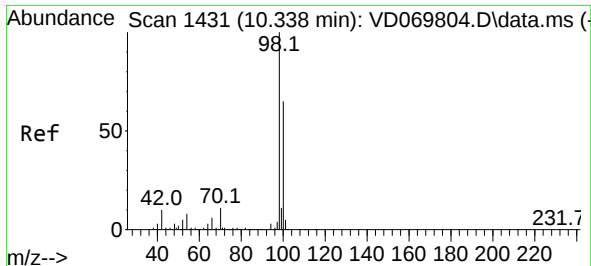
Tgt Ion: 41	Resp: 56
Ion Ratio	Lower Upper
41 100	
39 0.0	46.7 70.1#
67 0.0	69.3 103.9#
52 0.0	28.2 42.4#



#48
Methyl methacrylate
Concen: 4.442 ug/l
RT: 9.479 min Scan# 1285
Delta R.T. 0.029 min
Lab File: VD069893.D
Acq: 28 Jul 2021 17:19

Tgt Ion: 41	Resp: 71
Ion Ratio	Lower Upper
41 100	
69 0.0	73.4 110.2#
39 0.0	36.6 55.0#

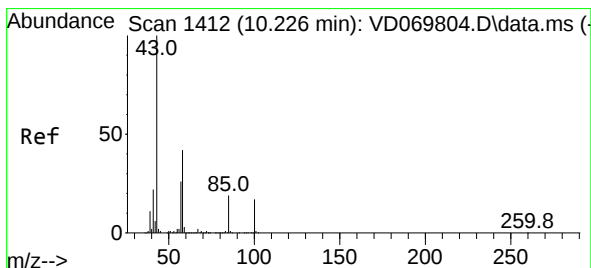
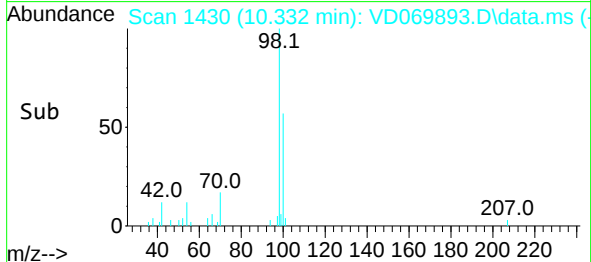
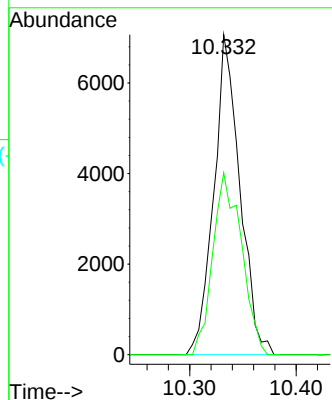
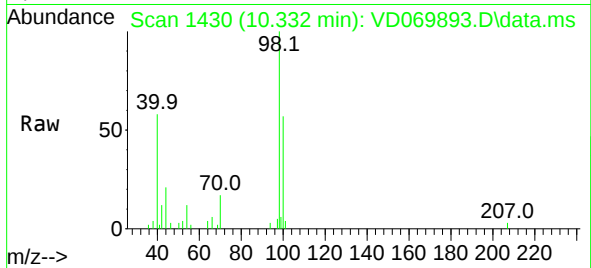




#50
Toluene-d8
Concen: 46.742 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD069893.D
Acq: 28 Jul 2021 17:19

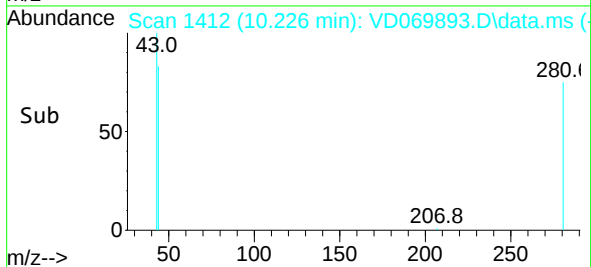
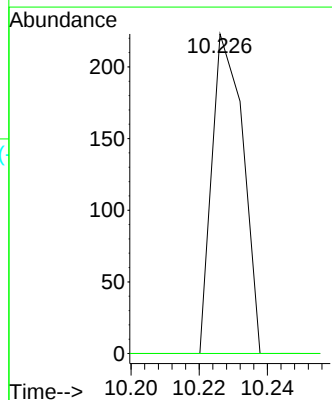
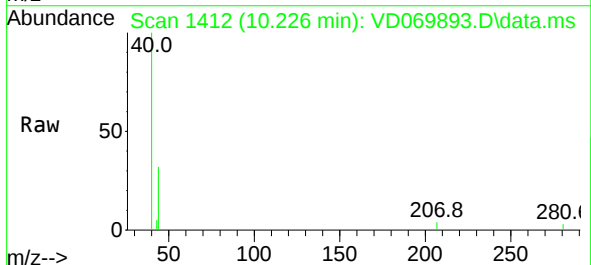
Instrument :
MSVOA_D
ClientSampleId :
EO-01-072721

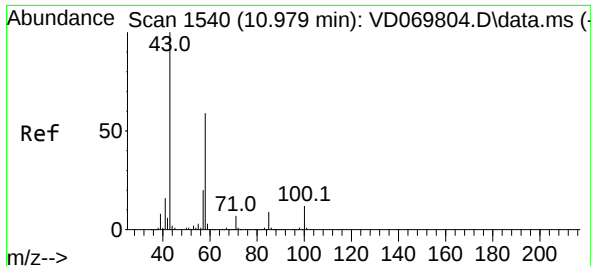
Tgt Ion: 98 Resp: 11988
Ion Ratio Lower Upper
98 100
100 62.6 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 3.645 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. 0.000 min
Lab File: VD069893.D
Acq: 28 Jul 2021 17:19

Tgt Ion: 43 Resp: 141
Ion Ratio Lower Upper
43 100
58 0.0 33.7 50.5#

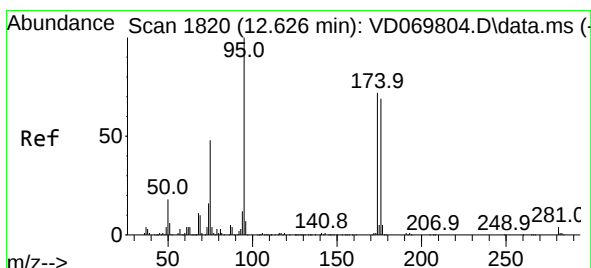
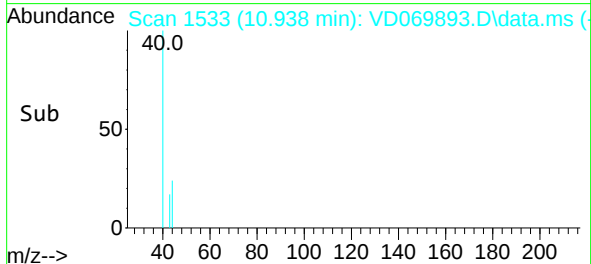
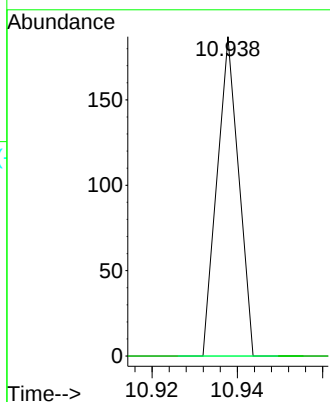
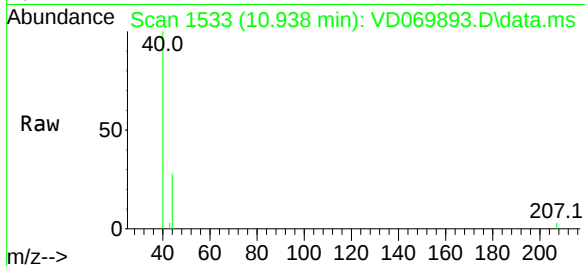




#59
2-Hexanone
Concen: 2.579 ug/l
RT: 10.938 min Scan# 1533
Delta R.T. -0.041 min
Lab File: VD069893.D
Acq: 28 Jul 2021 17:19

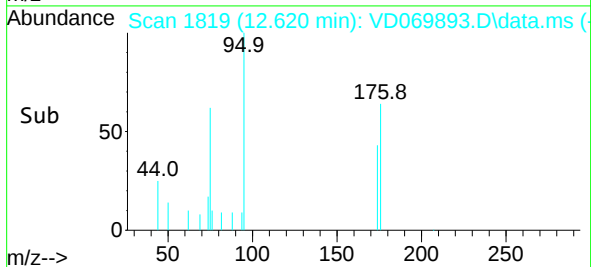
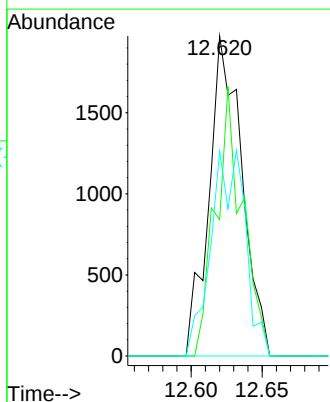
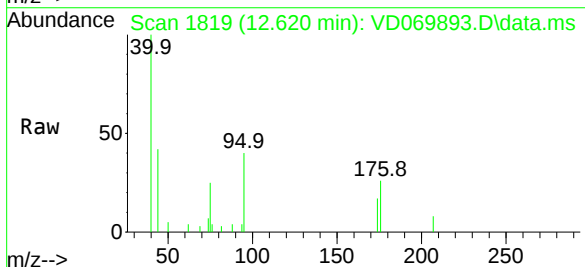
Instrument :
MSVOA_D
ClientSampleId :
EO-01-072721

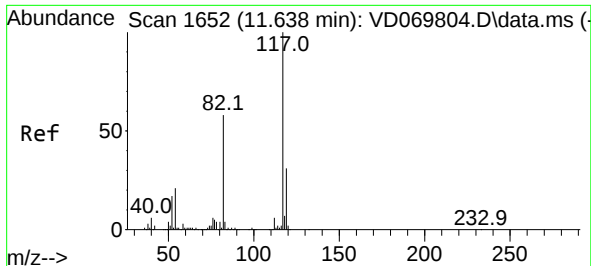
Tgt Ion: 43 Resp: 66
Ion Ratio Lower Upper
43 100
58 0.0 29.4 88.3#



#62
4-Bromofluorobenzene
Concen: 37.217 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD069893.D
Acq: 28 Jul 2021 17:19

Tgt Ion: 95 Resp: 3190
Ion Ratio Lower Upper
95 100
174 68.8 0.0 142.6
176 66.4 0.0 134.2

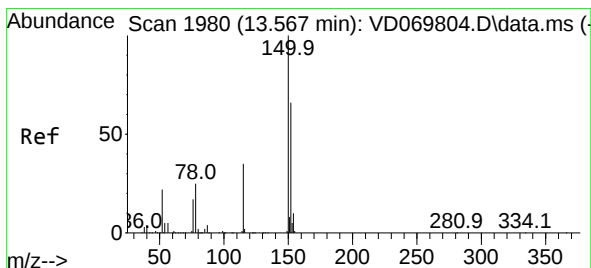
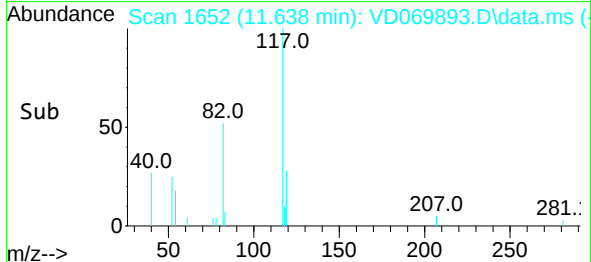
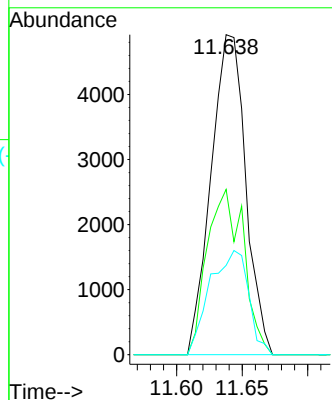
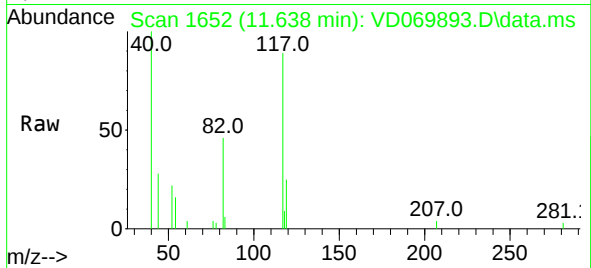




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD069893.D
Acq: 28 Jul 2021 17:19

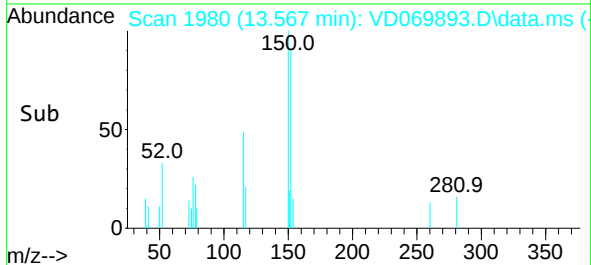
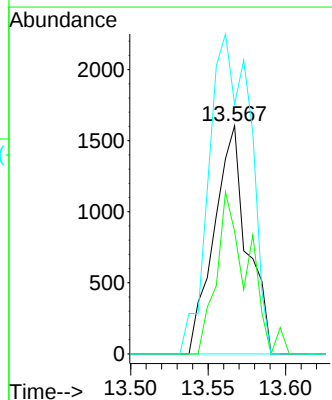
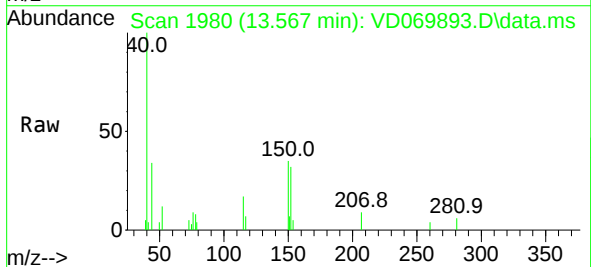
Instrument :
MSVOA_D
ClientSampleId :
EO-01-072721

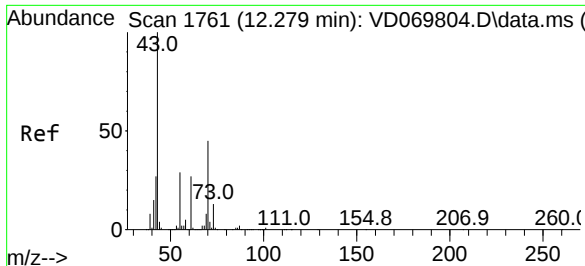
Tgt Ion:117	Resp:	9044
Ion	Ratio	Lower Upper
117	100	
82	51.7	46.3 69.5
119	27.9	24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069893.D
Acq: 28 Jul 2021 17:19

Tgt Ion:152	Resp:	2384
Ion	Ratio	Lower Upper
152	100	
115	67.7	31.1 93.3
150	174.8	0.0 343.0

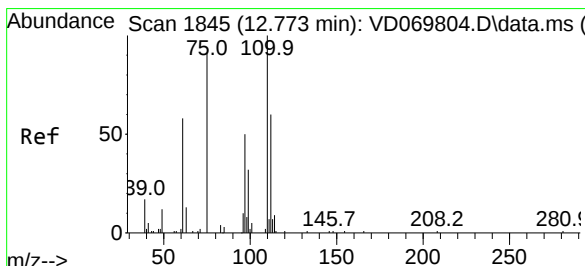
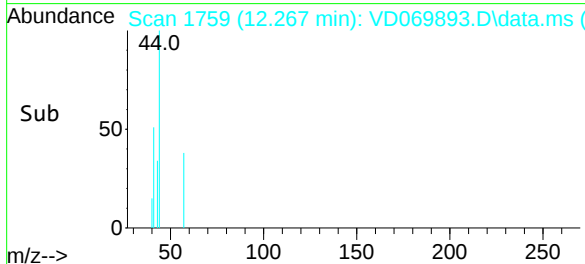
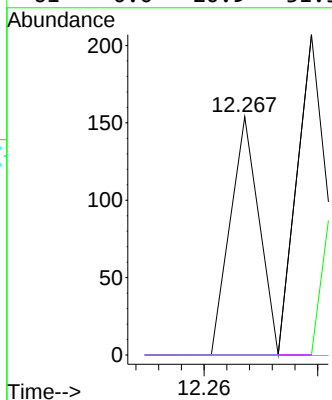
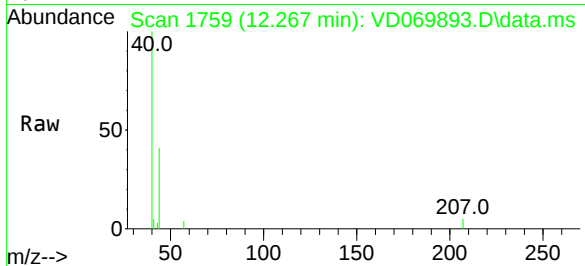




#74
N-amy1 acetate
Concen: 1.533 ug/l
RT: 12.267 min Scan# 1759
Delta R.T. -0.012 min
Lab File: VD069893.D
Acq: 28 Jul 2021 17:19

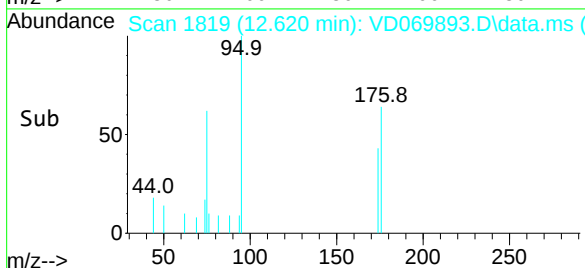
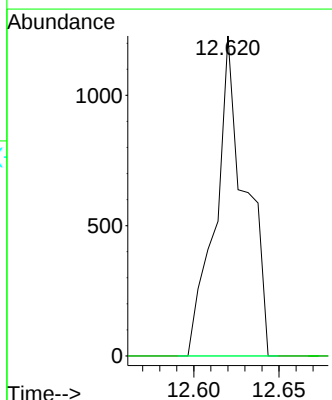
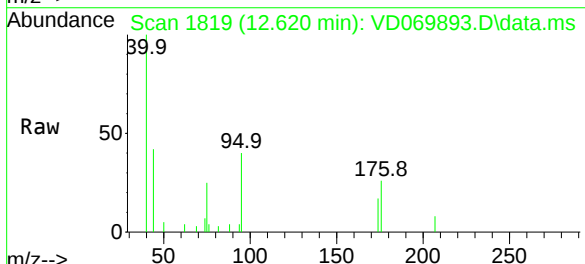
Instrument :
MSVOA_D
ClientSampleId :
EO-01-072721

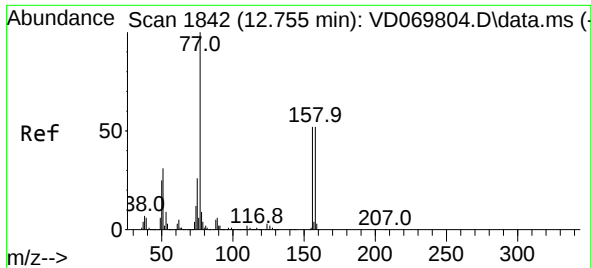
Tgt Ion: 43	Resp: 54
Ion Ratio	Lower Upper
43 100	
70 114.8	37.9 56.9#
55 0.0	23.7 35.5#
61 0.0	20.9 31.3#



#76
1,2,3-Trichloropropane
Concen: 59.392 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD069893.D
Acq: 28 Jul 2021 17:19

Tgt Ion: 75	Resp: 1505
Ion Ratio	Lower Upper
75 100	
77 0.0	181.5 544.5#

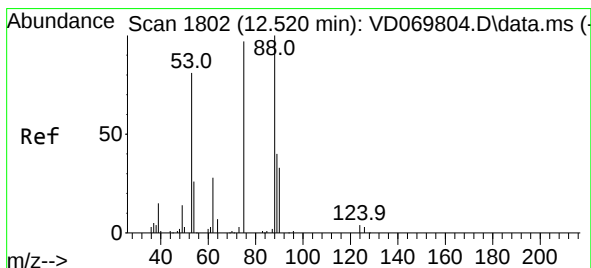
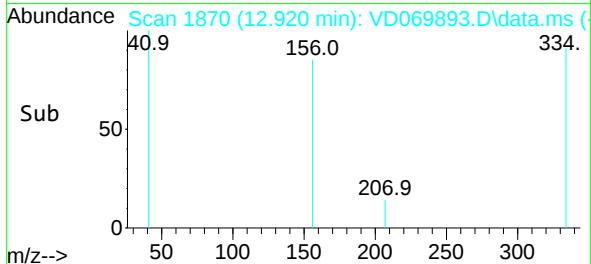
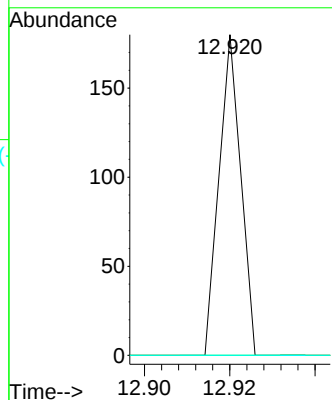
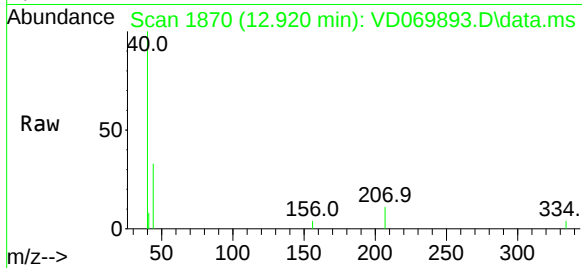




#77
Bromobenzene
Concen: 1.633 ug/l
RT: 12.920 min Scan# 1870
Delta R.T. 0.165 min
Lab File: VD069893.D
Acq: 28 Jul 2021 17:19

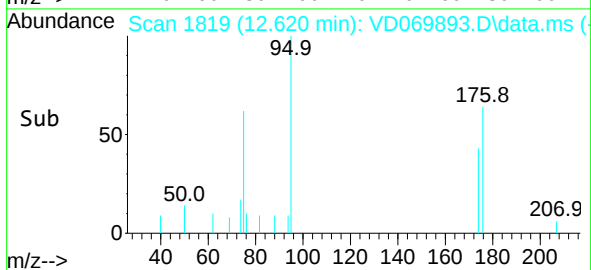
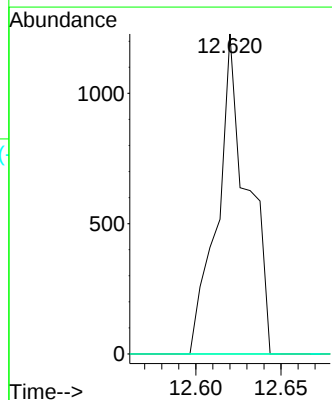
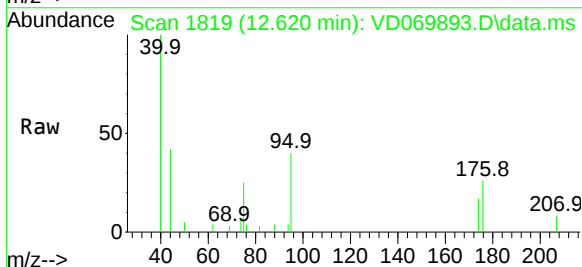
Instrument :
MSVOA_D
ClientSampleId :
EO-01-072721

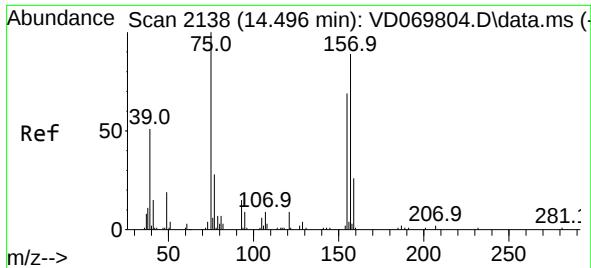
Tgt Ion:156 Resp: 63
Ion Ratio Lower Upper
156 100
77 0.0 107.1 321.3#
158 0.0 48.1 144.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 180.179 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD069893.D
Acq: 28 Jul 2021 17:19

Tgt Ion: 75 Resp: 1505
Ion Ratio Lower Upper
75 100
53 0.0 67.2 100.8#
89 0.0 35.8 53.6#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.128 ug/l
 RT: 14.438 min Scan# 2128
 Delta R.T. -0.059 min
 Lab File: VD069893.D
 Acq: 28 Jul 2021 17:19

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-01-072721

Tgt Ion: 75 Resp: 109
 Ion Ratio Lower Upper
 75 100
 155 0.0 36.3 108.9#
 157 0.0 47.0 141.0#

