

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070621\
 Data File : VD069593.D
 Acq On : 06 Jul 2021 20:30
 Operator : VA/SY
 Sample : M2926-04
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-2

Quant Time: Jul 07 04:55:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 22 04:33:24 2021
 Response via : Initial Calibration

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

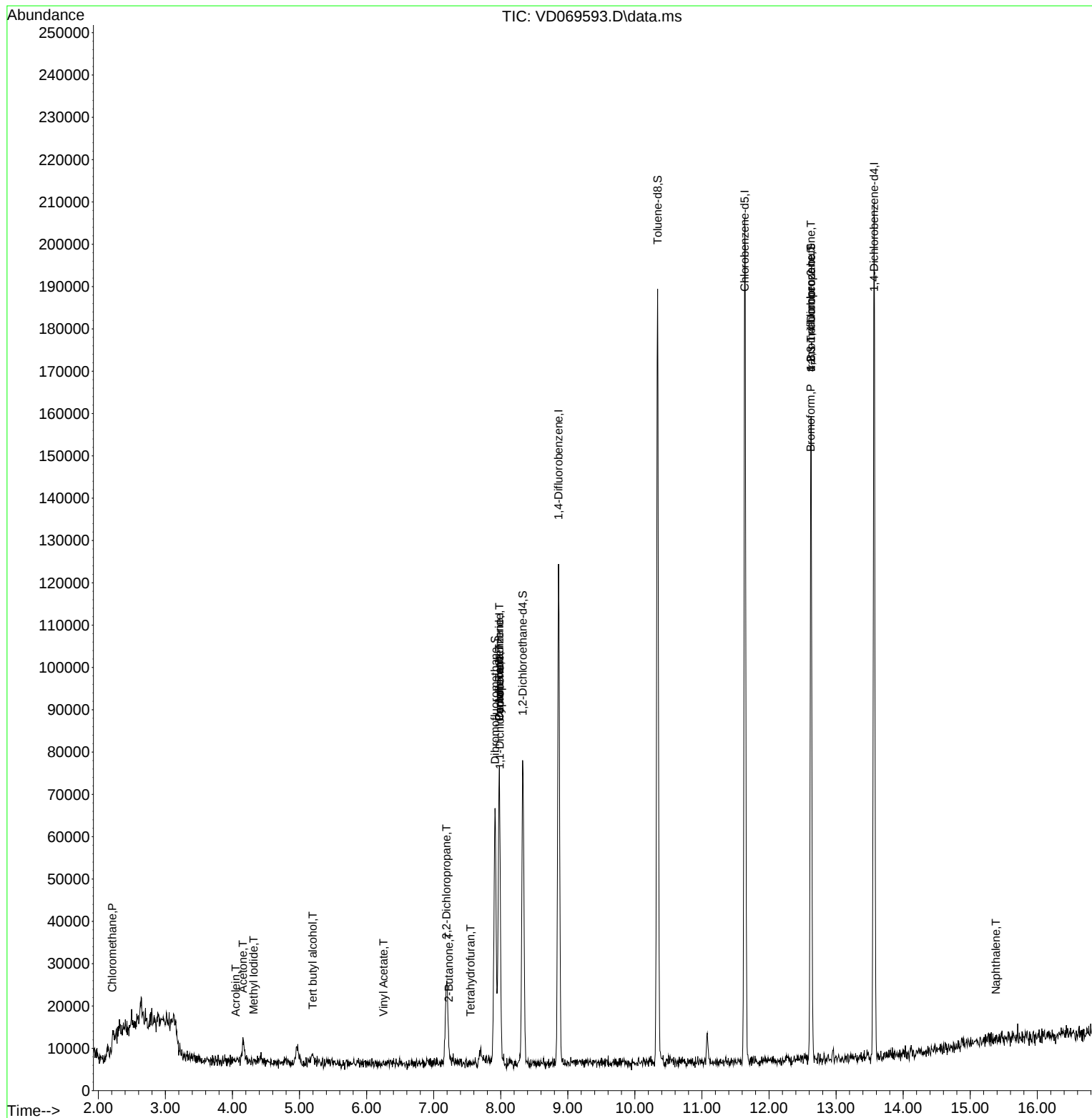
Internal Standards						
1) Pentafluorobenzene	7.979	168	48203	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	93966	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	115304	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	52150	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	57448	95.612	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 191.220%#	
35) Dibromofluoromethane	7.914	113	43529	68.529	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 137.060%	
50) Toluene-d8	10.338	98	128054	53.746	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.500%	
62) 4-Bromofluorobenzene	12.626	95	49898	63.704	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 127.400%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.209	50	686	1.014	ug/l #	75
5) Bromomethane	2.779	94	782	Below Cal		100
10) Methyl Iodide	4.315	142	68	4.064	ug/l #	39
11) Tert butyl alcohol	5.197	59	2289	35.373	ug/l #	83
13) Acrolein	4.050	56	60	1.794	ug/l #	15
16) Acetone	4.156	43	9643	95.351	ug/l	90
18) Methyl Acetate	4.732	43	148	Below Cal	#	49
20) Methylene Chloride	4.956	84	3203	Below Cal	#	64
23) Vinyl Acetate	6.250	43	73	19.089	ug/l #	70
25) 2-Butanone	7.226	43	2008	15.625	ug/l #	44
26) 2,2-Dichloropropane	7.191	77	1422	1.633	ug/l #	53
29) Tetrahydrofuran	7.550	42	81	1.150	ug/l #	31
31) Cyclohexane	7.979	56	1231	1.522	ug/l #	1
36) 1,1-Dichloropropene	7.985	75	4733	5.132	ug/l #	44
38) Carbon Tetrachloride	7.979	117	5247	5.749	ug/l #	20
71) Bromoform	12.620	173	732	1.732	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	26067	50.920	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	26067	127.141	ug/l #	12
95) Naphthalene	15.385	128	475	3.627	ug/l #	69

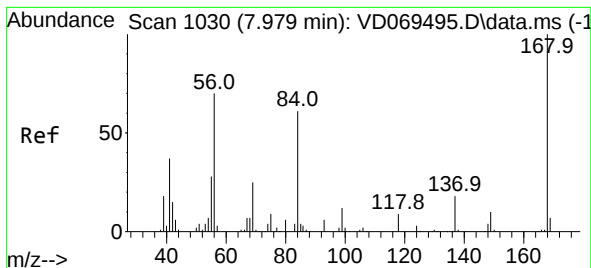
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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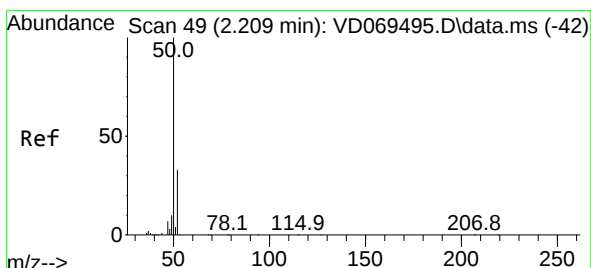
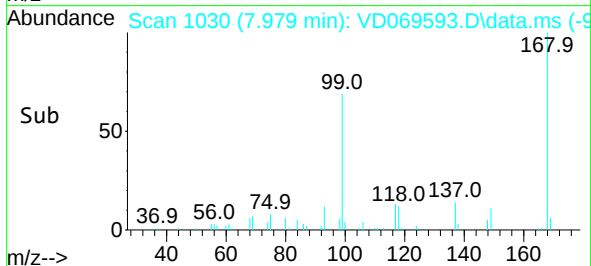
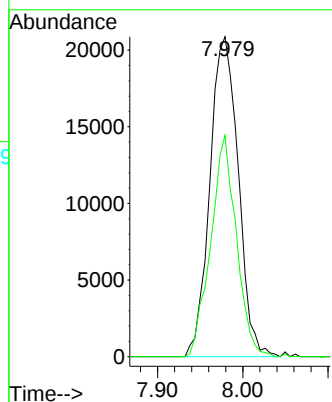
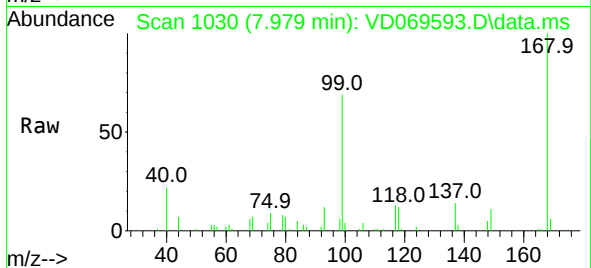




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069593.D
Acq: 06 Jul 2021 20:30

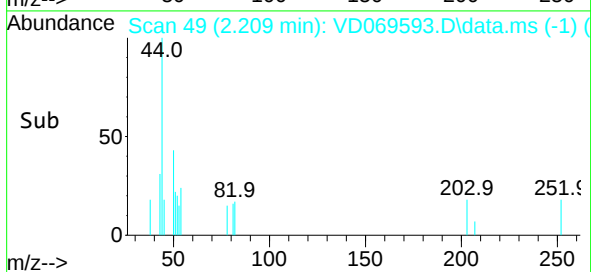
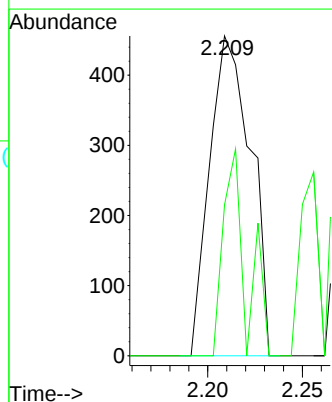
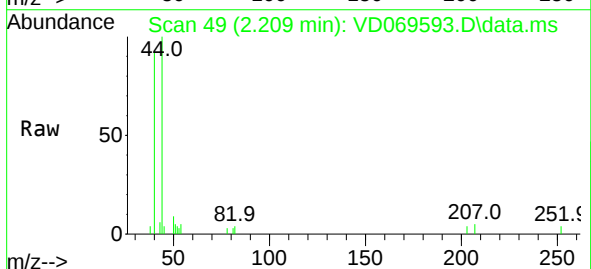
Instrument :
MSVOA_D
ClientSampleId :
TP-2

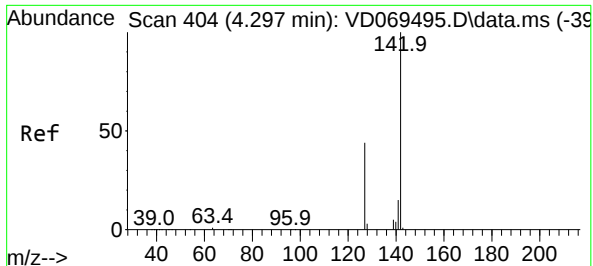
Tgt Ion:168 Resp: 48203
Ion Ratio Lower Upper
168 100
99 69.2 49.3 73.9



#3
Chloromethane
Concen: 1.014 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD069593.D
Acq: 06 Jul 2021 20:30

Tgt Ion: 50 Resp: 686
Ion Ratio Lower Upper
50 100
52 47.1 26.3 39.5#

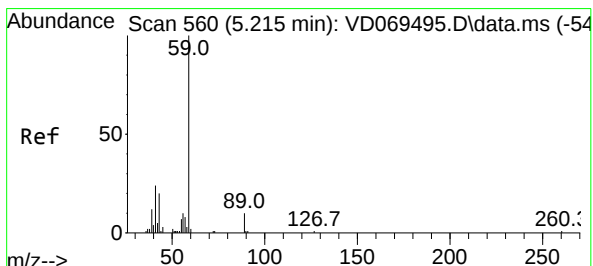
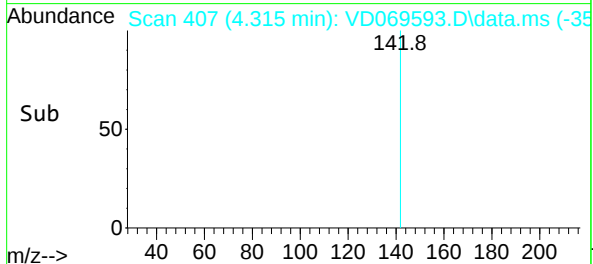
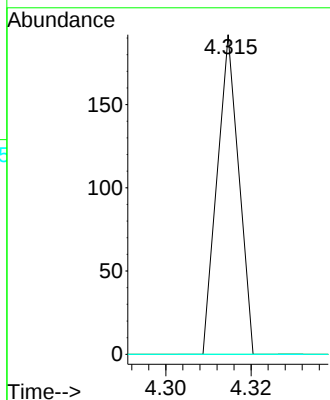
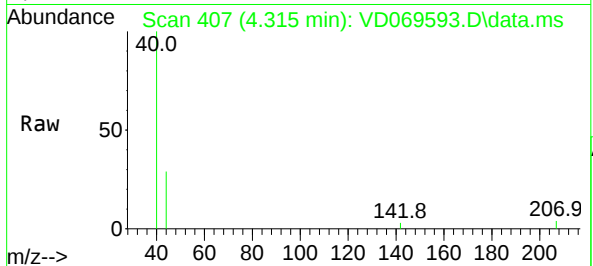




#10
Methyl Iodide
Concen: 4.064 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.018 min
Lab File: VD069593.D
Acq: 06 Jul 2021 20:30

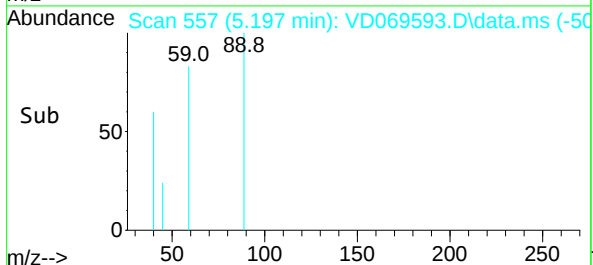
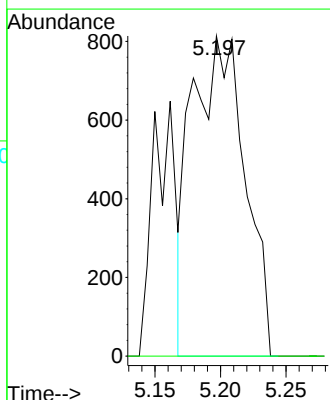
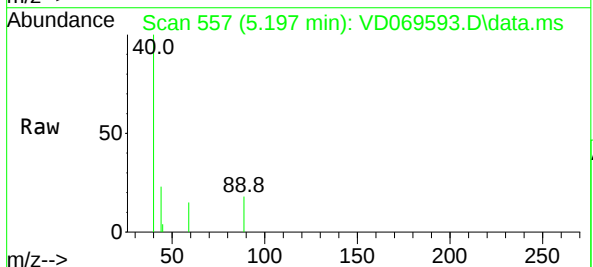
Instrument :
MSVOA_D
ClientSampleId :
TP-2

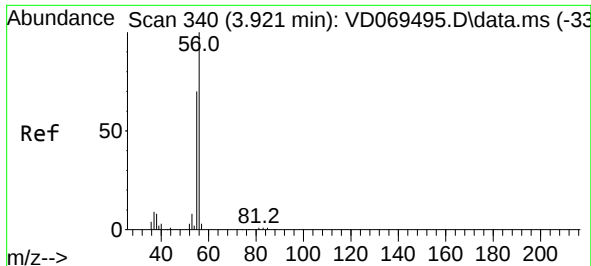
Tgt Ion:142 Resp: 68
Ion Ratio Lower Upper
142 100
127 0.0 36.5 54.7#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: 35.373 ug/l
RT: 5.197 min Scan# 557
Delta R.T. -0.018 min
Lab File: VD069593.D
Acq: 06 Jul 2021 20:30

Tgt Ion: 59 Resp: 2289
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

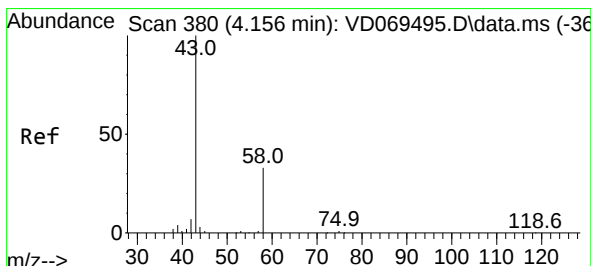
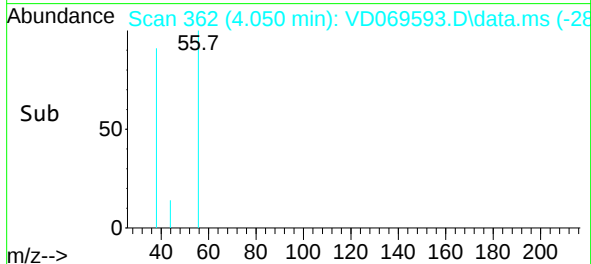
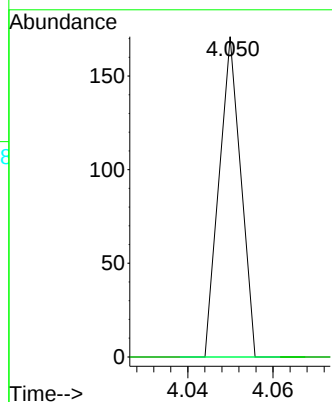
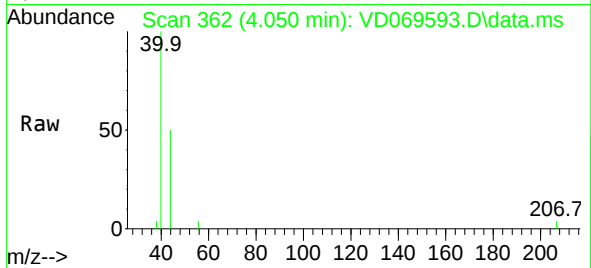




#13
Acrolein
Concen: 1.794 ug/l
RT: 4.050 min Scan# 362
Delta R.T. 0.129 min
Lab File: VD069593.D
Acq: 06 Jul 2021 20:30

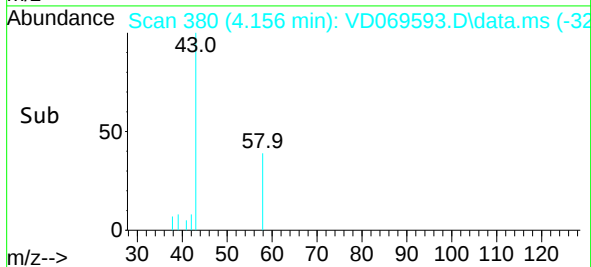
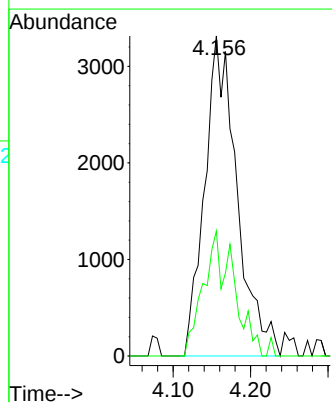
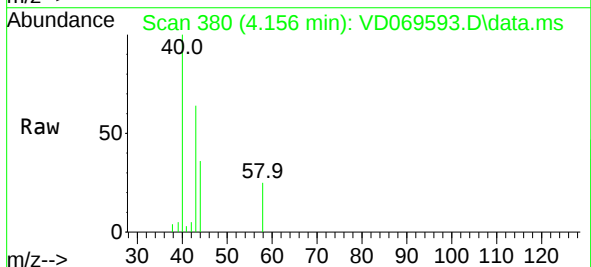
Instrument :
MSVOA_D
ClientSampled :
TP-2

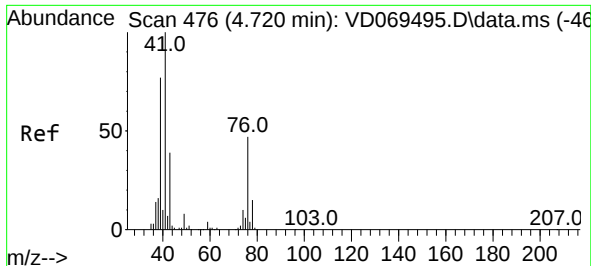
Tgt Ion: 56 Resp: 60
Ion Ratio Lower Upper
56 100
55 0.0 56.0 84.0#



#16
Acetone
Concen: 95.351 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069593.D
Acq: 06 Jul 2021 20:30

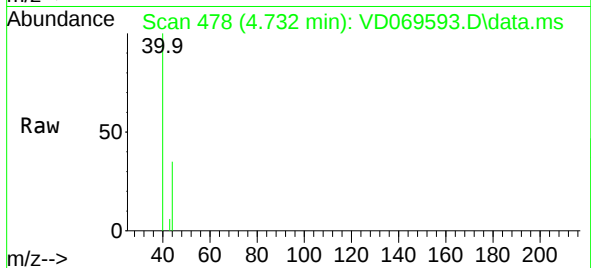
Tgt Ion: 43 Resp: 9643
Ion Ratio Lower Upper
43 100
58 39.1 26.8 40.2



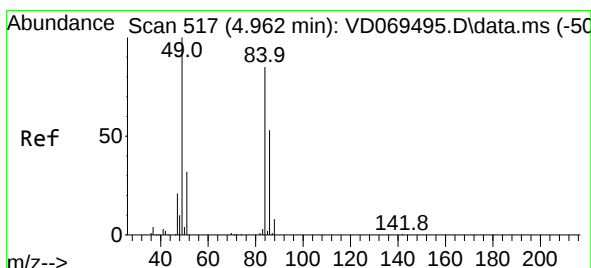
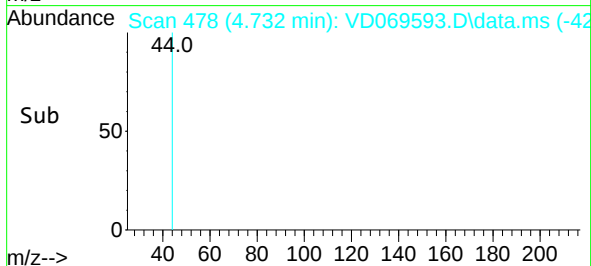
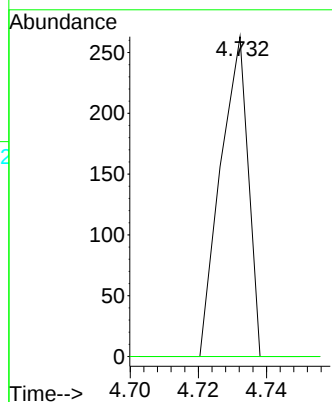


#18
Methyl Acetate
Concen: Below Cal
RT: 4.732 min Scan# 478
Delta R.T. 0.012 min
Lab File: VD069593.D
Acq: 06 Jul 2021 20:30

Instrument :
MSVOA_D
ClientSampled :
TP-2

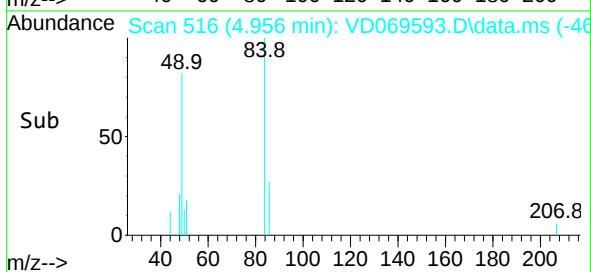
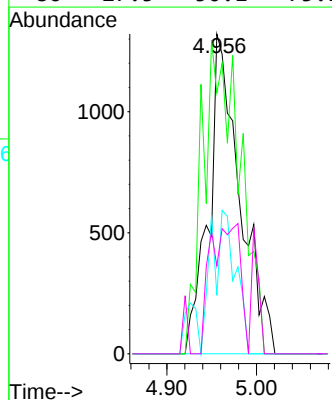
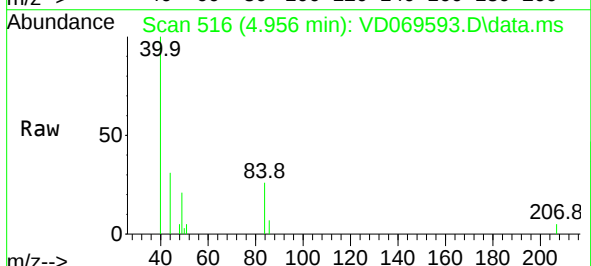


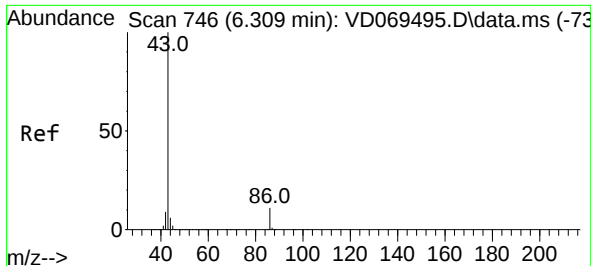
Tgt Ion: 43 Resp: 148
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD069593.D
Acq: 06 Jul 2021 20:30

Tgt Ion: 84 Resp: 3203
Ion Ratio Lower Upper
84 100
49 81.5 94.0 141.0#
51 18.3 29.7 44.5#
86 27.5 50.1 75.1#

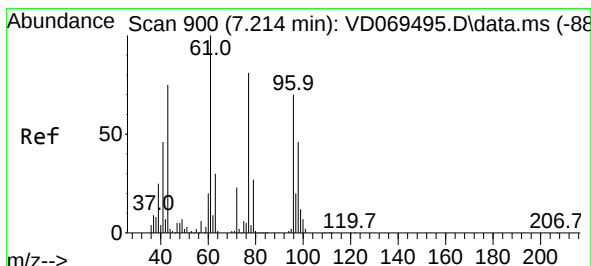
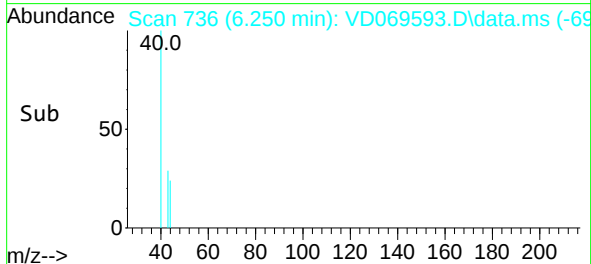
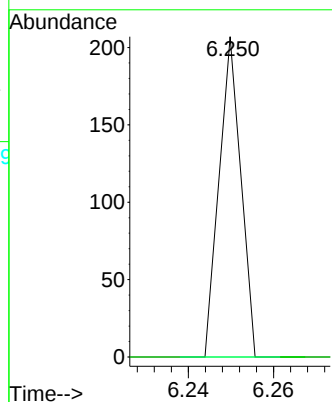
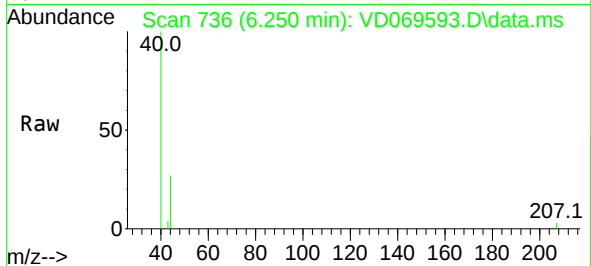




#23
 Vinyl Acetate
 Concen: 19.089 ug/l
 RT: 6.250 min Scan# 736
 Delta R.T. -0.059 min
 Lab File: VD069593.D
 Acq: 06 Jul 2021 20:30

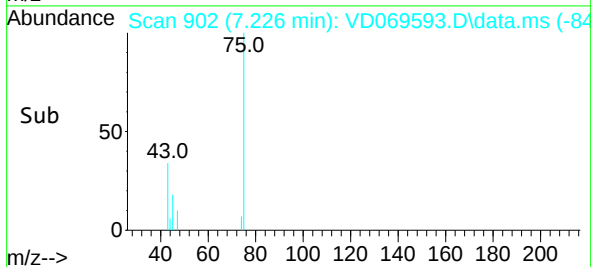
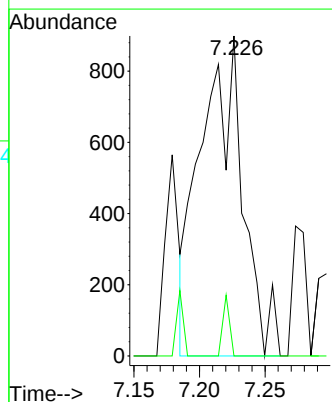
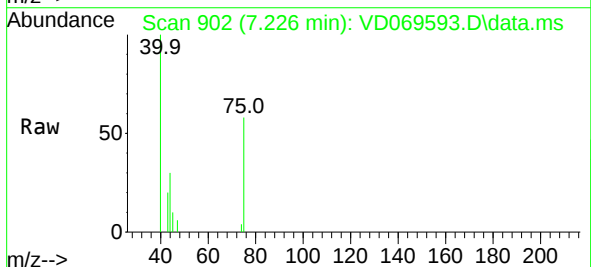
Instrument :
 MSVOA_D
 ClientSampled :
 TP-2

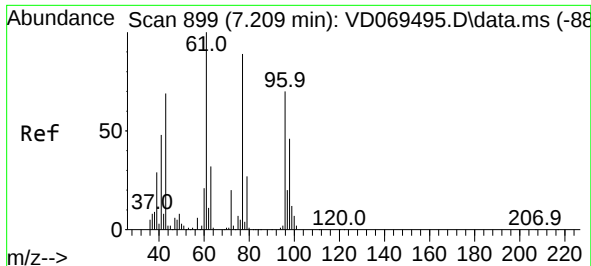
Tgt Ion: 43 Resp: 73
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.1 13.7#



#25
 2-Butanone
 Concen: 15.625 ug/l
 RT: 7.226 min Scan# 902
 Delta R.T. 0.012 min
 Lab File: VD069593.D
 Acq: 06 Jul 2021 20:30

Tgt Ion: 43 Resp: 2008
 Ion Ratio Lower Upper
 43 100
 72 0.0 24.3 36.5#

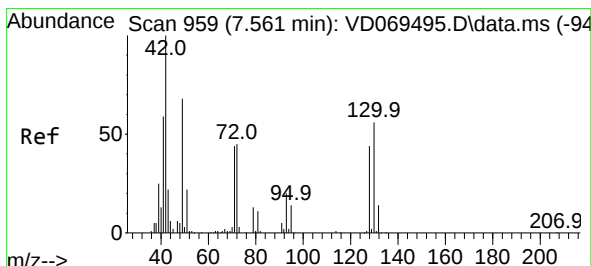
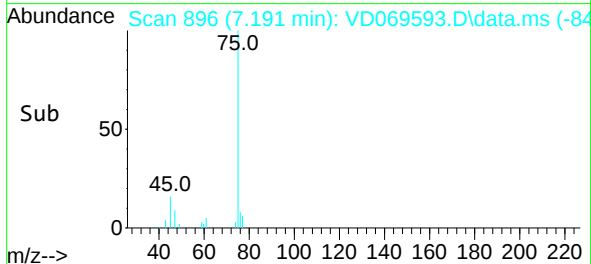
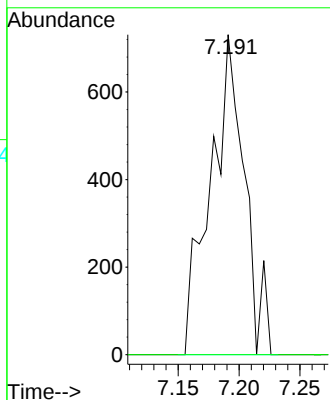
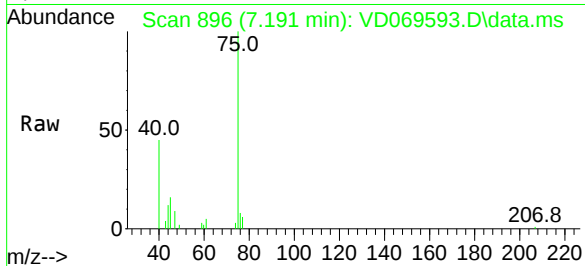




#26
2,2-Dichloropropane
Concen: 1.633 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.018 min
Lab File: VD069593.D
Acq: 06 Jul 2021 20:30

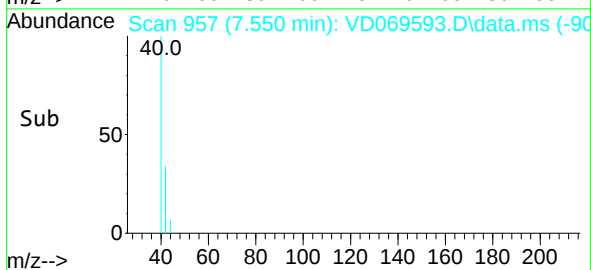
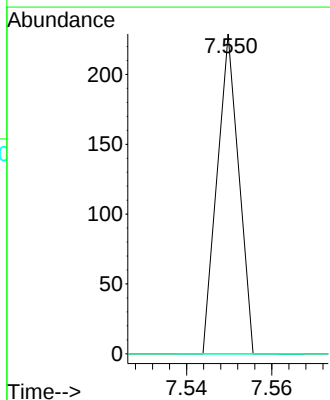
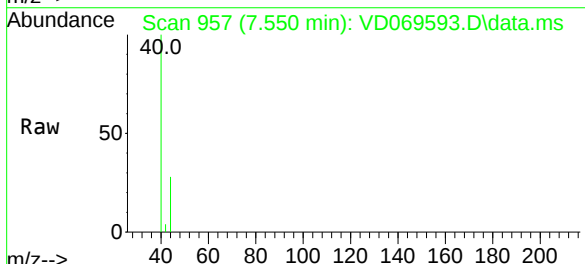
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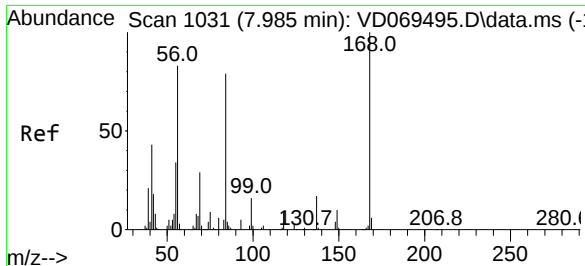
Tgt Ion: 77 Resp: 1422
Ion Ratio Lower Upper
77 100
97 0.0 11.5 34.5#



#29
Tetrahydrofuran
Concen: 1.150 ug/l
RT: 7.550 min Scan# 957
Delta R.T. -0.012 min
Lab File: VD069593.D
Acq: 06 Jul 2021 20:30

Tgt Ion: 42 Resp: 81
Ion Ratio Lower Upper
42 100
72 0.0 37.9 56.9#
71 0.0 35.1 52.7#

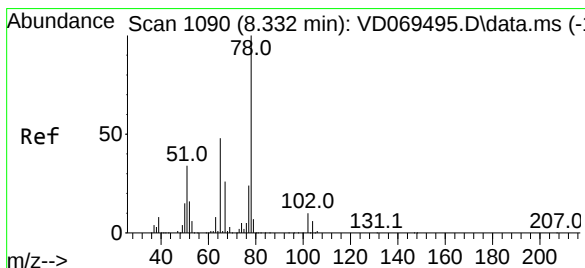
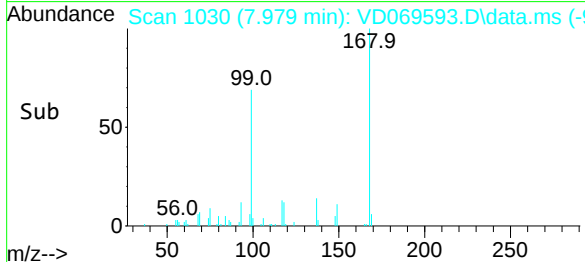
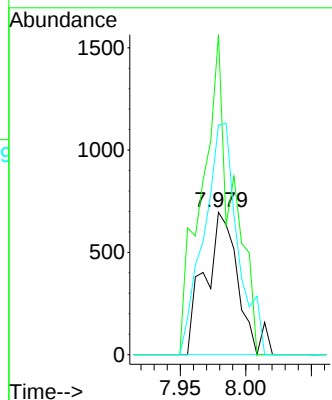
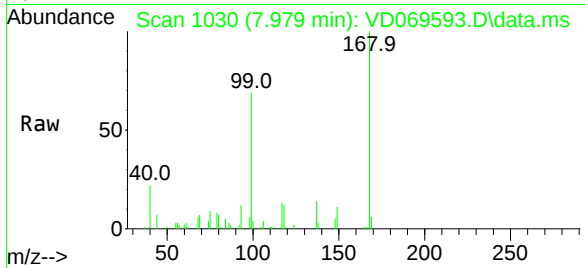




#31
Cyclohexane
Concen: 1.522 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069593.D
Acq: 06 Jul 2021 20:30

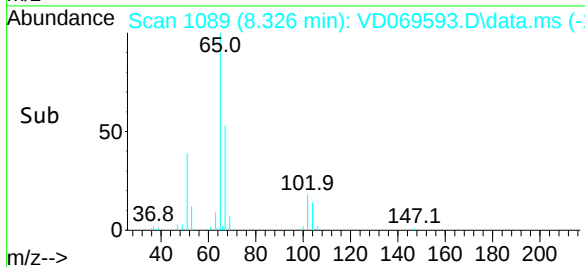
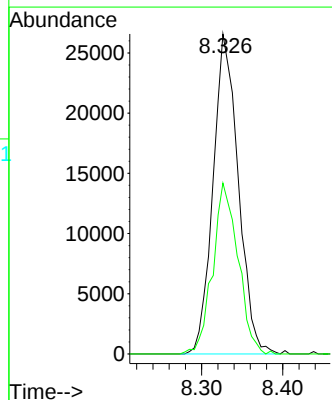
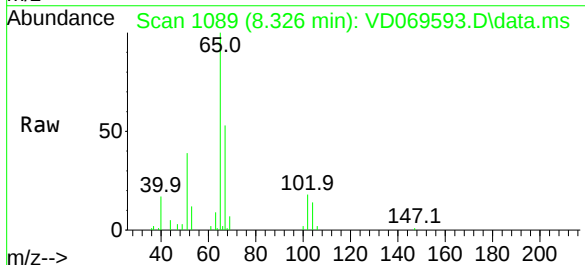
Instrument :
MSVOA_D
ClientSampled :
TP-2

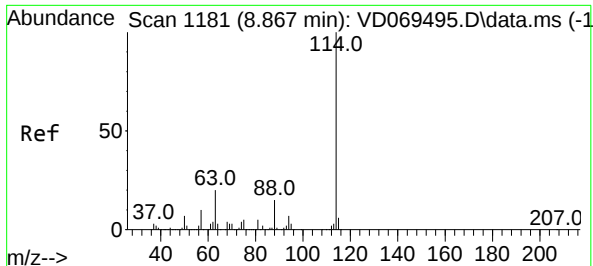
Tgt Ion: 56 Resp: 1231
Ion Ratio Lower Upper
56 100
69 224.7 28.0 42.0#
84 161.4 75.7 113.5#



#33
1,2-Dichloroethane-d4
Concen: 95.612 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD069593.D
Acq: 06 Jul 2021 20:30

Tgt Ion: 65 Resp: 57448
Ion Ratio Lower Upper
65 100
67 53.5 0.0 105.6



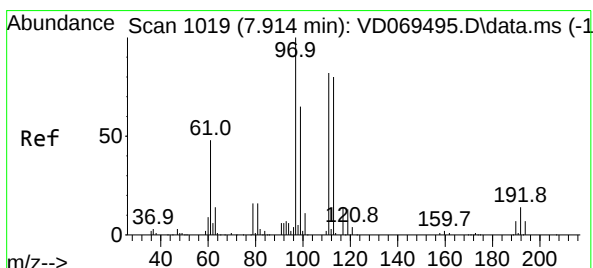
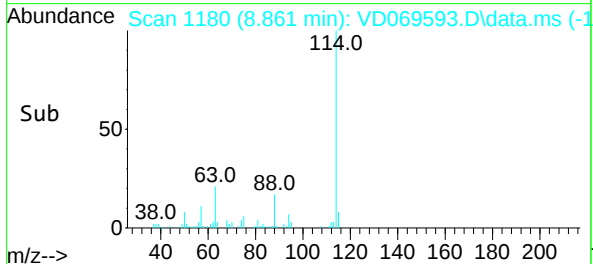
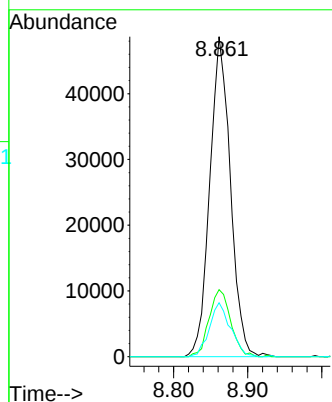
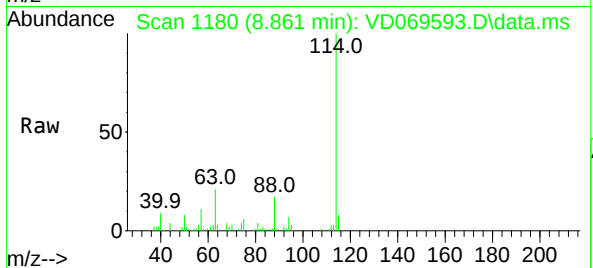


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069593.D
Acq: 06 Jul 2021 20:30

Instrument :
MSVOA_D
ClientSampled :
TP-2

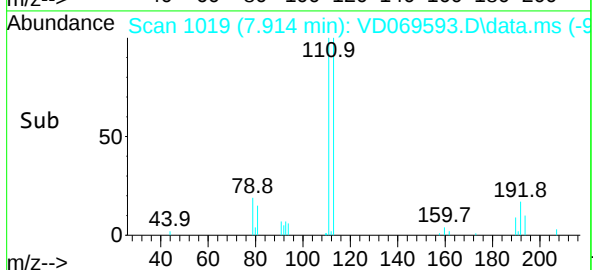
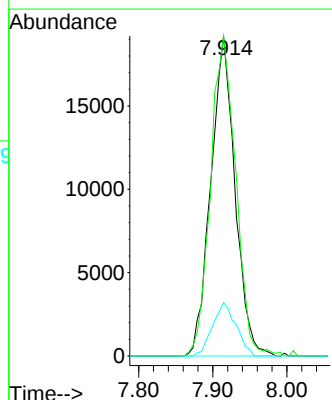
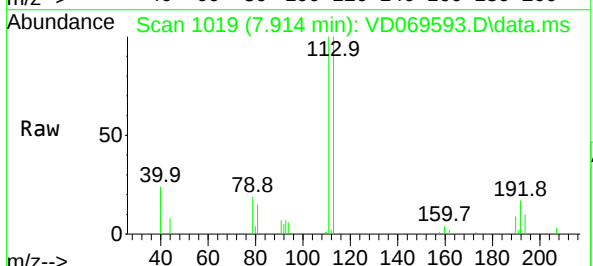
Tgt Ion:114	Resp:	93966
Ion Ratio	Lower	Upper
114	100	
63	21.0	0.0 39.6
88	16.8	0.0 29.8

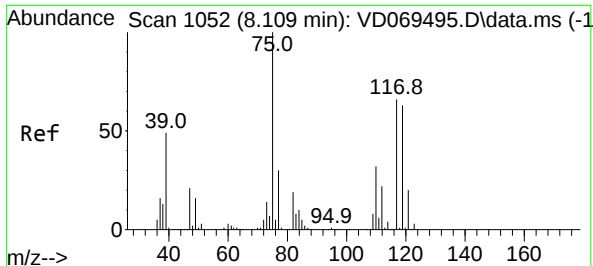


#35

Dibromofluoromethane
Concen: 68.529 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069593.D
Acq: 06 Jul 2021 20:30

Tgt Ion:113	Resp:	43529
Ion Ratio	Lower	Upper
113	100	
111	104.2	81.8 122.8
192	16.2	13.8 20.6

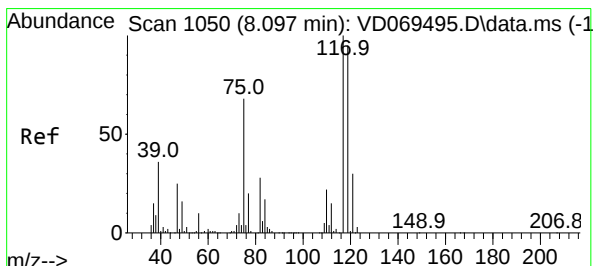
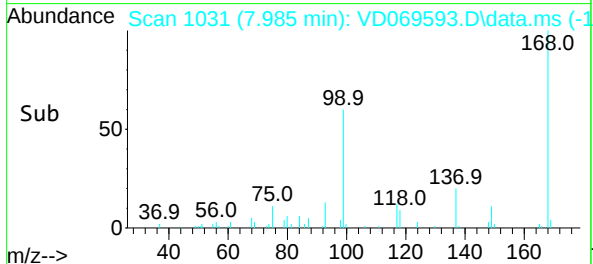
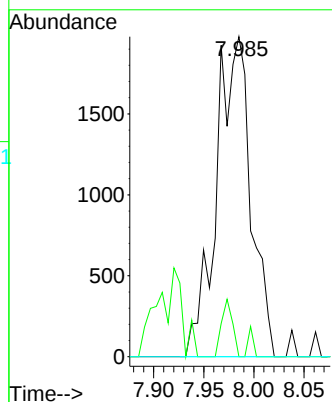
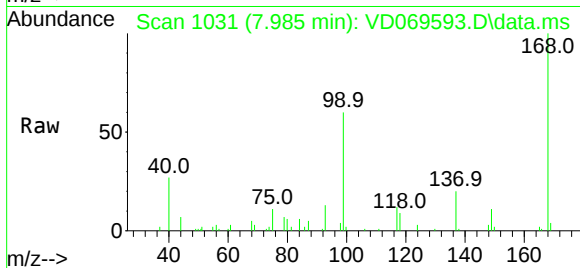




#36
1,1-Dichloropropene
Concen: 5.132 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.124 min
Lab File: VD069593.D
Acq: 06 Jul 2021 20:30

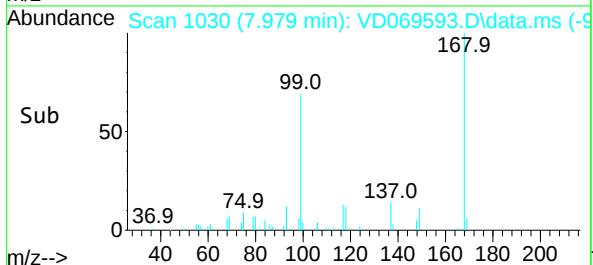
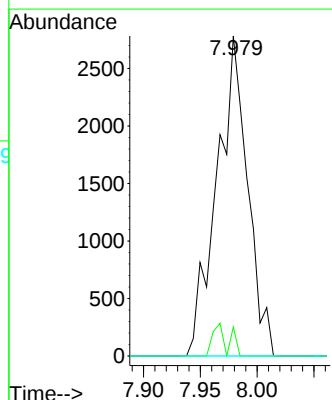
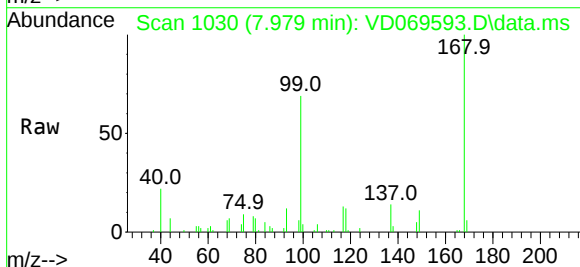
Instrument :
MSVOA_D
ClientSampled :
TP-2

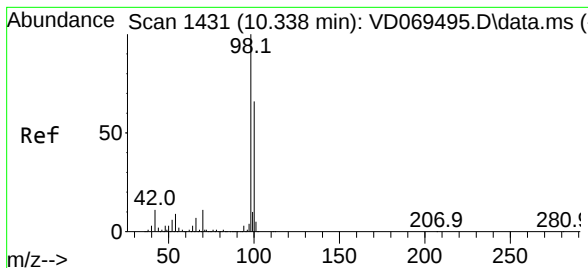
Tgt Ion: 75 Resp: 4733
Ion Ratio Lower Upper
75 100
110 1.4 16.8 50.4#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.749 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069593.D
Acq: 06 Jul 2021 20:30

Tgt Ion: 117 Resp: 5247
Ion Ratio Lower Upper
117 100
119 9.1 75.6 113.4#
121 0.0 23.8 35.8#

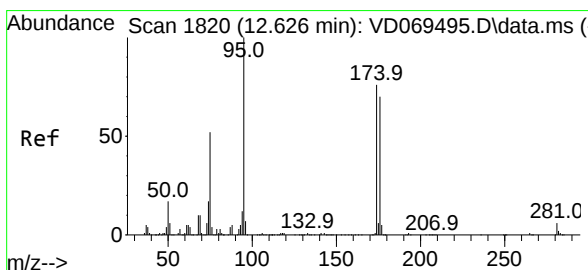
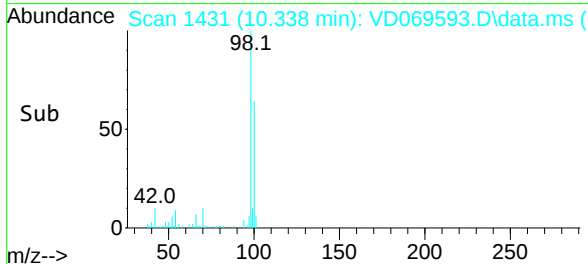
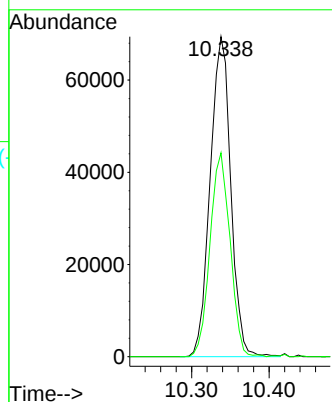
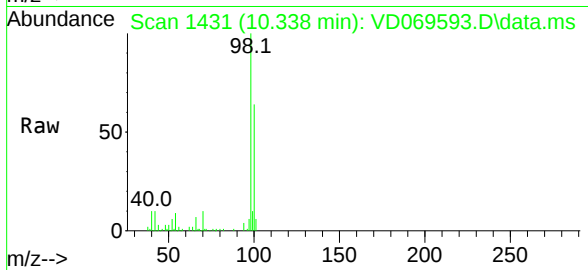




#50
Toluene-d8
Concen: 53.746 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069593.D
Acq: 06 Jul 2021 20:30

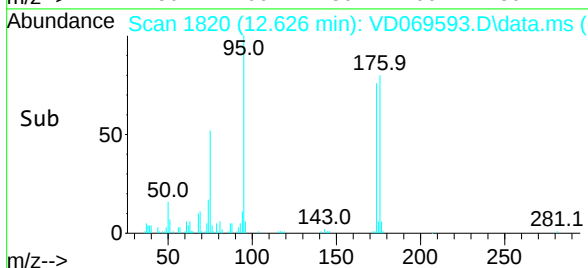
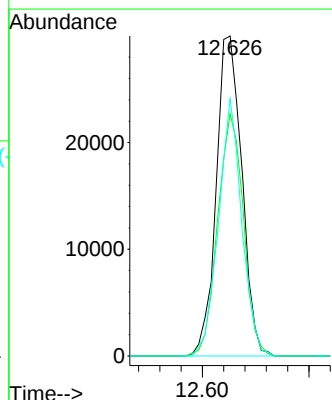
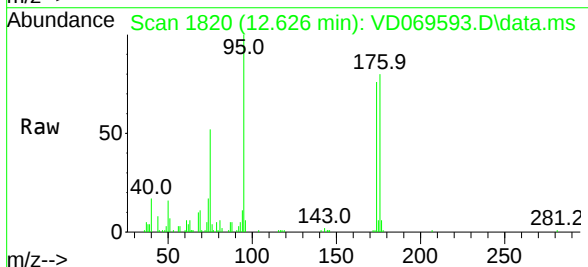
Instrument :
MSVOA_D
ClientSampleId :
TP-2

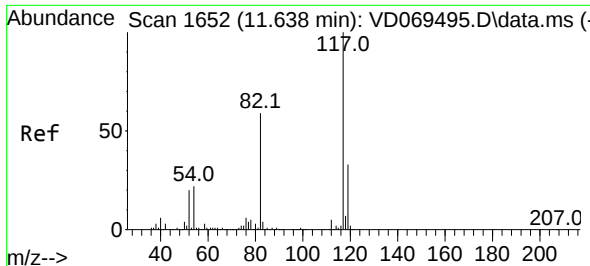
Tgt Ion: 98 Resp: 128054
Ion Ratio Lower Upper
98 100
100 62.0 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 63.704 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069593.D
Acq: 06 Jul 2021 20:30

Tgt Ion: 95 Resp: 49898
Ion Ratio Lower Upper
95 100
174 75.6 0.0 148.0
176 73.4 0.0 139.8

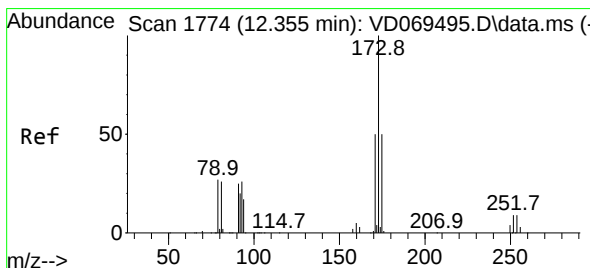
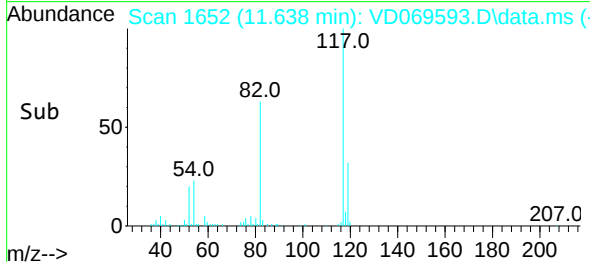
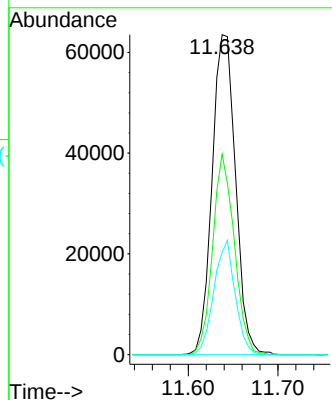
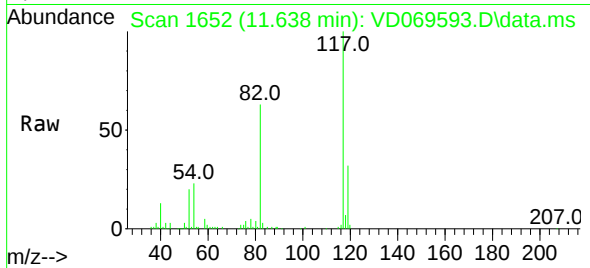




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069593.D
Acq: 06 Jul 2021 20:30

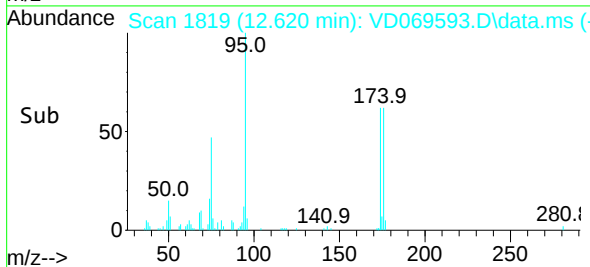
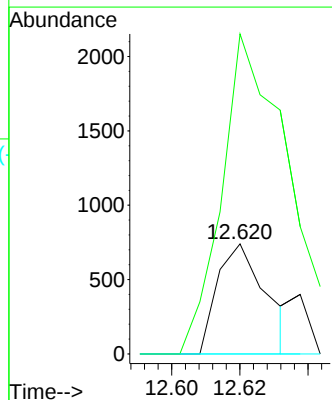
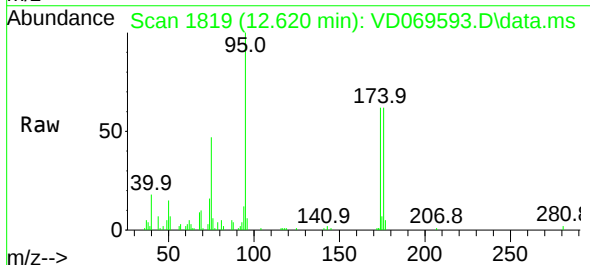
Instrument :
MSVOA_D
ClientSampled :
TP-2

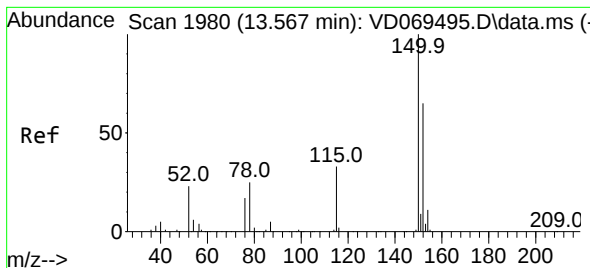
Tgt Ion:	117	Resp:	115304
Ion	Ratio	Lower	Upper
117	100		
82	62.6	46.8	70.2
119	31.9	26.2	39.2



#71
Bromoform
Concen: 1.732 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD069593.D
Acq: 06 Jul 2021 20:30

Tgt Ion:	173	Resp:	732
Ion	Ratio	Lower	Upper
173	100		
175	329.9	24.6	73.8#
254	0.0	0.1	0.1#

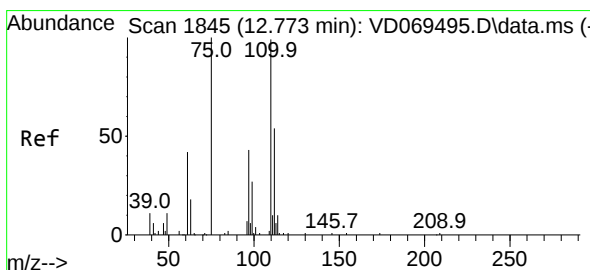
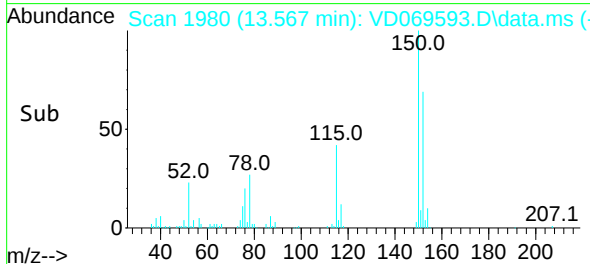
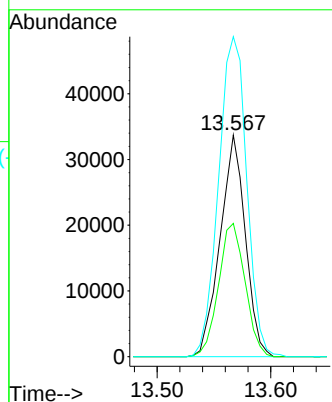
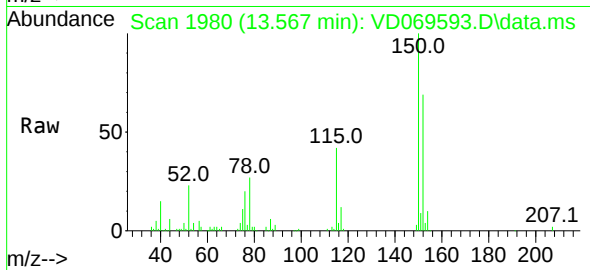




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD069593.D
 Acq: 06 Jul 2021 20:30

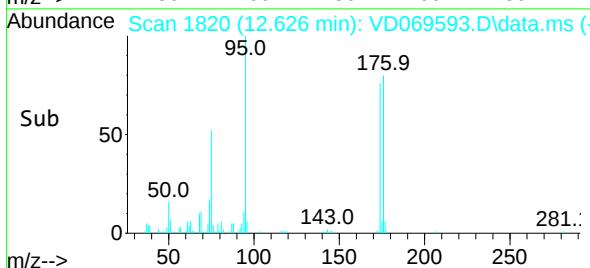
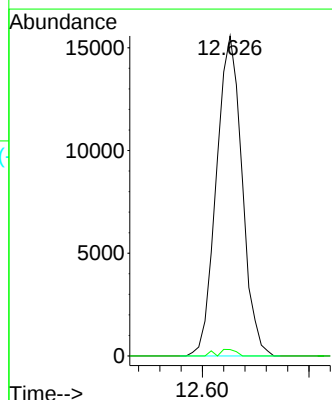
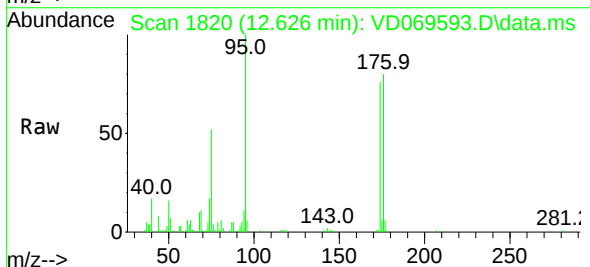
Instrument :
 MSVOA_D
 ClientSampled :
 TP-2

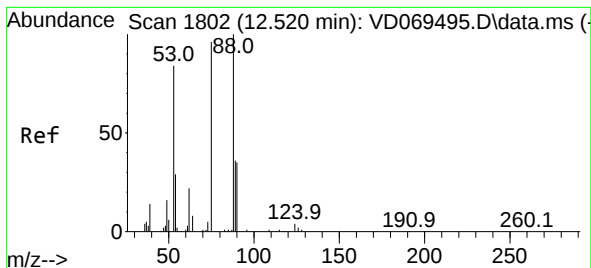
Tgt Ion:152 Resp: 52150
 Ion Ratio Lower Upper
 152 100
 115 63.0 31.7 95.1
 150 161.0 0.0 350.8



#76
 1,2,3-Trichloropropane
 Concen: 50.920 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069593.D
 Acq: 06 Jul 2021 20:30

Tgt Ion: 75 Resp: 26067
 Ion Ratio Lower Upper
 75 100
 77 1.5 162.6 487.8#

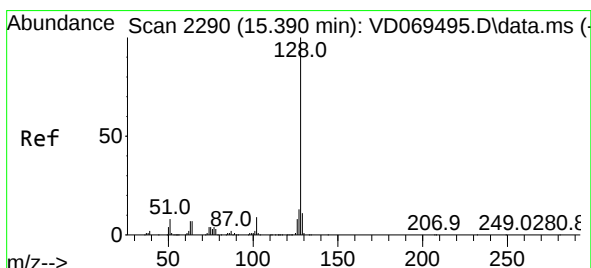
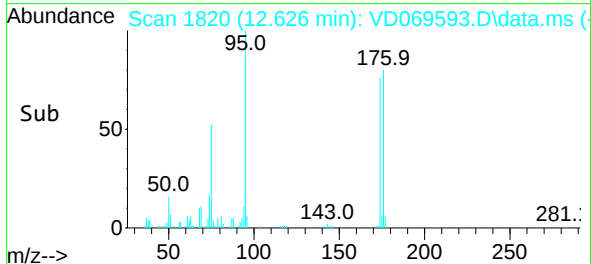
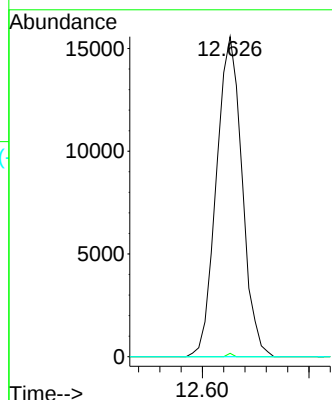
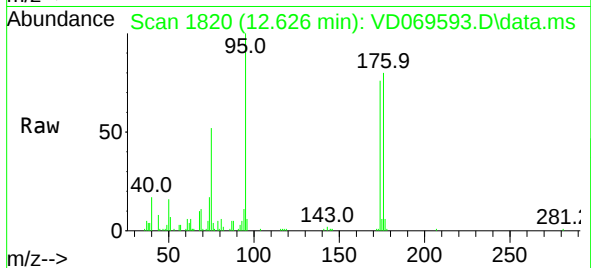




#81
trans-1,4-Dichloro-2-butene
Concen: 127.141 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069593.D
Acq: 06 Jul 2021 20:30

Instrument :
MSVOA_D
ClientSampled :
TP-2

Tgt Ion: 75 Resp: 26067
Ion Ratio Lower Upper
75 100
53 0.2 74.6 112.0#
89 0.0 35.3 52.9#



#95
Naphthalene
Concen: 3.627 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.005 min
Lab File: VD069593.D
Acq: 06 Jul 2021 20:30

Tgt Ion: 128 Resp: 475
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.7 13.1#

