

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072821\
 Data File : VD069897.D
 Acq On : 28 Jul 2021 19:15
 Operator : VA/SY
 Sample : M3216-09
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 29 04:02:45 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)

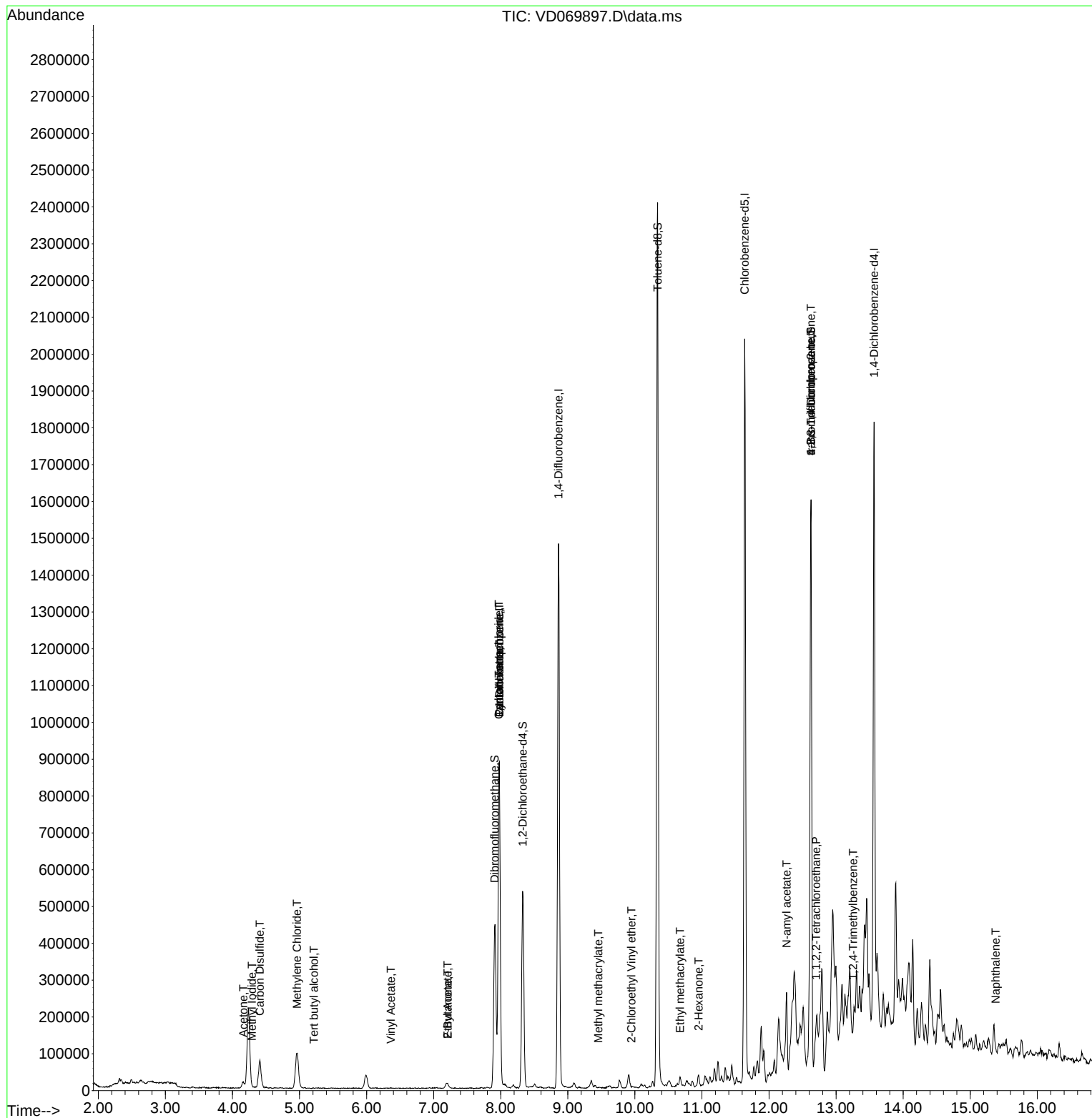
Internal Standards						
1) Pentafluorobenzene	7.979	168	620022	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1279961	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1167936	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	433730	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	427029	59.885	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.780%	
35) Dibromofluoromethane	7.909	113	348222	43.156	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 86.320%	
50) Toluene-d8	10.338	98	1627193	52.299	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.600%	
62) 4-Bromofluorobenzene	12.626	95	527769	50.756	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 101.520%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.774	94	2097	Below Cal		98
10) Methyl Iodide	4.291	142	554	3.529	ug/l #	40
11) Tert butyl alcohol	5.215	59	632	1.713	ug/l #	73
16) Acetone	4.162	43	29672	23.035	ug/l	93
17) Carbon Disulfide	4.409	76	157262	6.200	ug/l	100
20) Methylene Chloride	4.962	84	82416	2.879	ug/l	98
23) Vinyl Acetate	6.362	43	127	20.359	ug/l #	71
25) 2-Butanone	7.209	43	8425	4.823	ug/l	100
31) Cyclohexane	7.979	56	17678	1.269	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	56622	4.099	ug/l #	50
37) Ethyl Acetate	7.209	43	8425	1.675	ug/l #	84
38) Carbon Tetrachloride	7.973	117	67511	5.351	ug/l #	18
48) Methyl methacrylate	9.456	41	167	2.780	ug/l #	1
56) Ethyl methacrylate	10.673	69	2426	4.144	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.950	63	58	20.883	ug/l #	48
59) 2-Hexanone	10.950	43	11471	3.695	ug/l #	23
74) N-amyl acetate	12.261	43	47740	7.448	ug/l #	75
75) 1,1,2,2-Tetrachloroethane	12.702	83	10941	1.758	ug/l #	70
76) 1,2,3-Trichloropropane	12.626	75	254871	55.284	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	254871	167.716	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.255	105	27038	1.028	ug/l	98
95) Naphthalene	15.379	128	4046	5.255	ug/l #	93

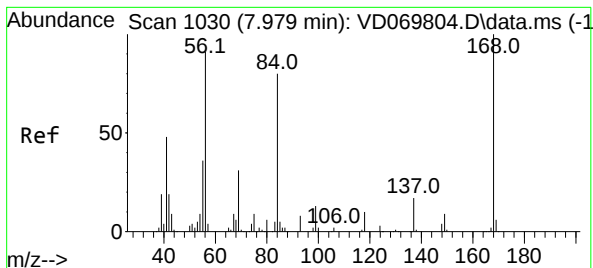
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072821\
Data File : VD069897.D
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ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :

Quant Time: Jul 29 04:02:45 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD069897.D

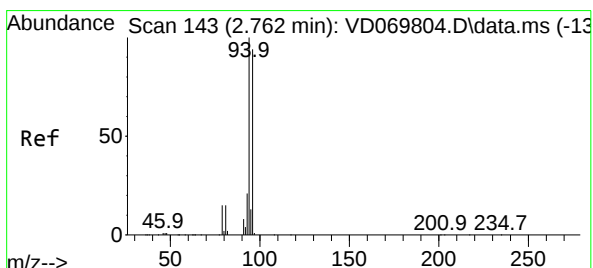
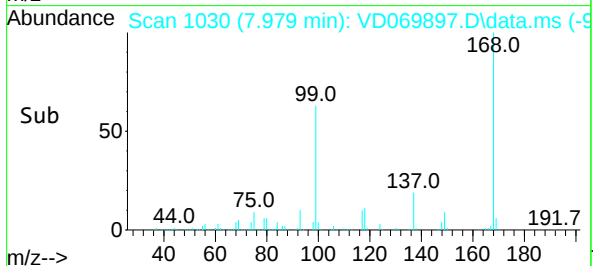
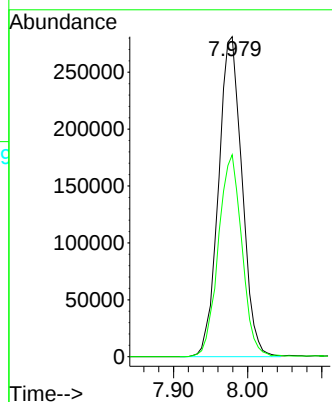
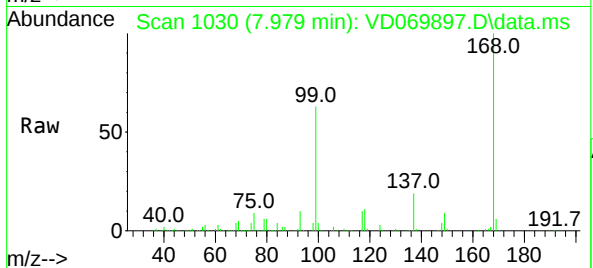
Acq: 28 Jul 2021 19:15

Tgt Ion:168 Resp: 620022

Ion Ratio Lower Upper

168 100

99 63.1 51.1 76.7



#5

Bromomethane

Concen: Below Cal

RT: 2.774 min Scan# 145

Delta R.T. 0.012 min

Lab File: VD069897.D

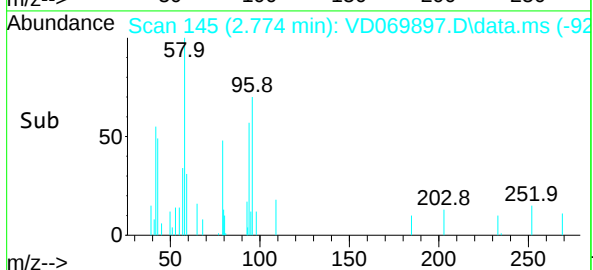
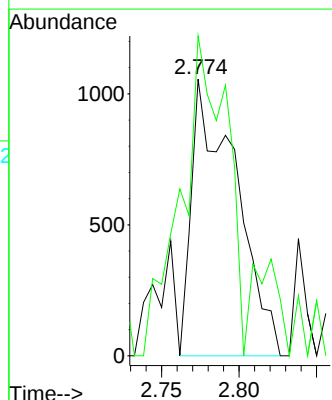
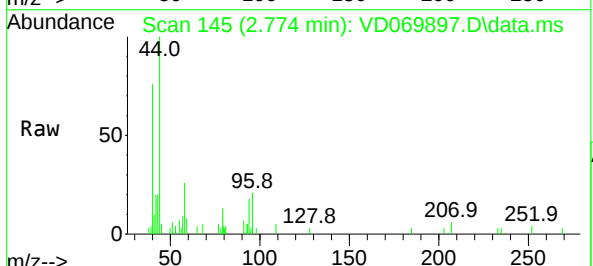
Acq: 28 Jul 2021 19:15

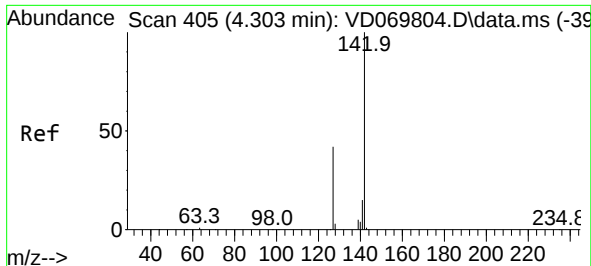
Tgt Ion: 94 Resp: 2097

Ion Ratio Lower Upper

94 100

96 95.0 74.8 112.2

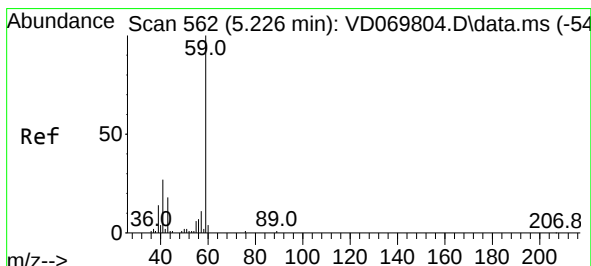
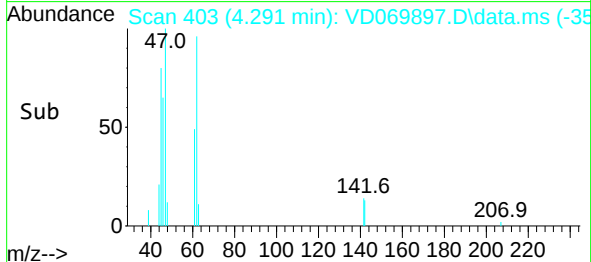
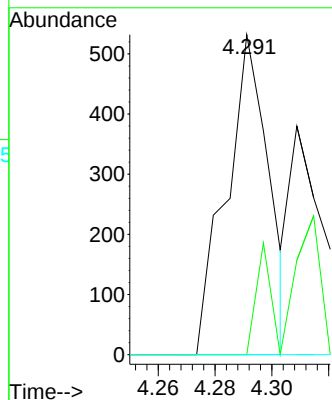
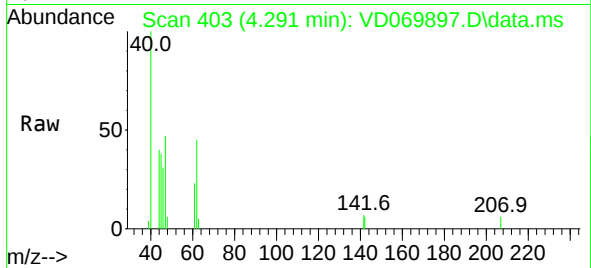




#10
Methyl Iodide
Concen: 3.529 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD069897.D
Acq: 28 Jul 2021 19:15

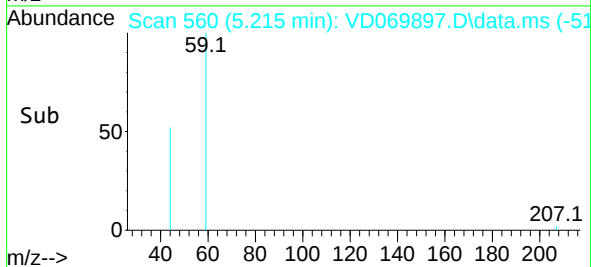
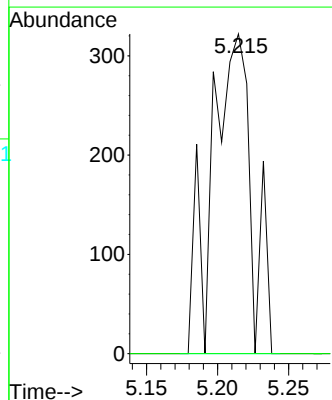
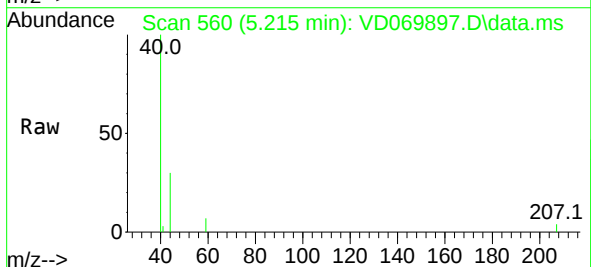
Instrument :
MSVOA_D
ClientSampled :

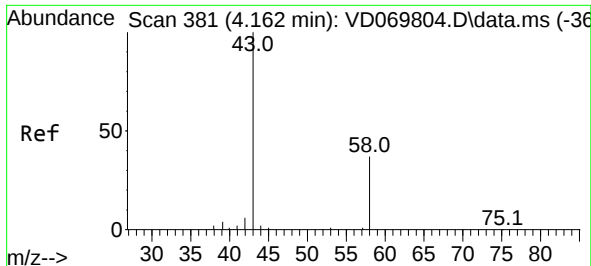
Tgt Ion:142 Resp: 554
Ion Ratio Lower Upper
142 100
127 0.0 35.7 53.5#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: 1.713 ug/l
RT: 5.215 min Scan# 560
Delta R.T. -0.012 min
Lab File: VD069897.D
Acq: 28 Jul 2021 19:15

Tgt Ion: 59 Resp: 632
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

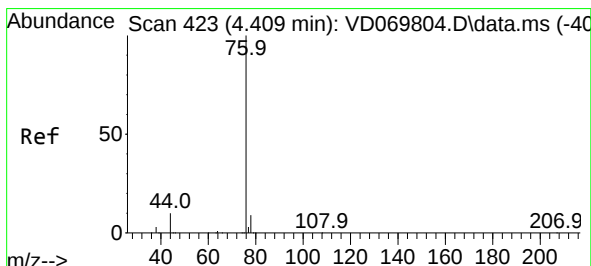
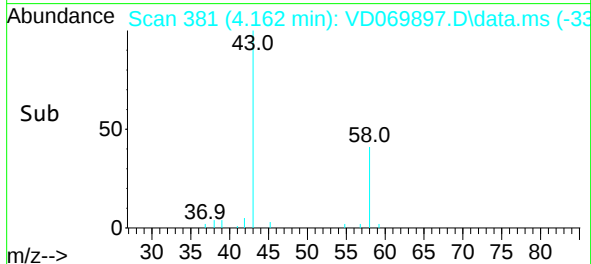
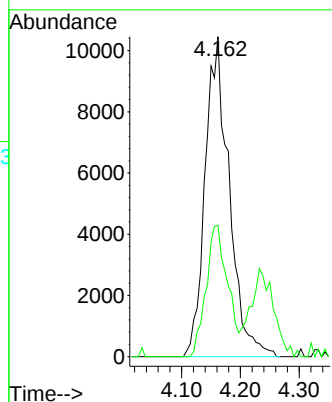
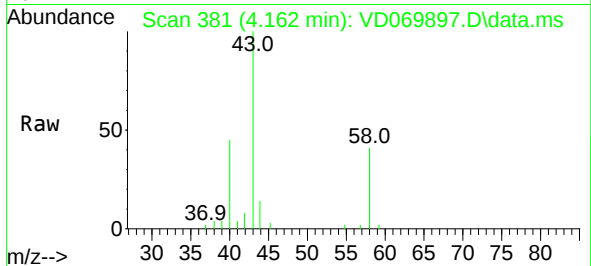




#16
Acetone
Concen: 23.035 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD069897.D
Acq: 28 Jul 2021 19:15

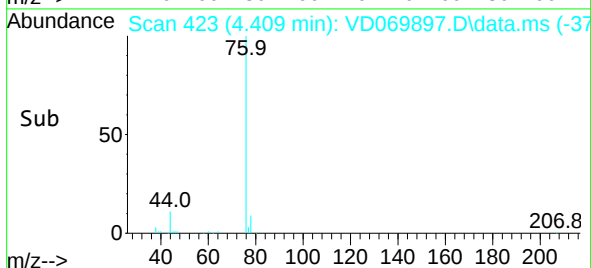
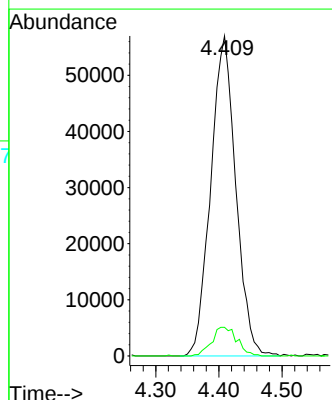
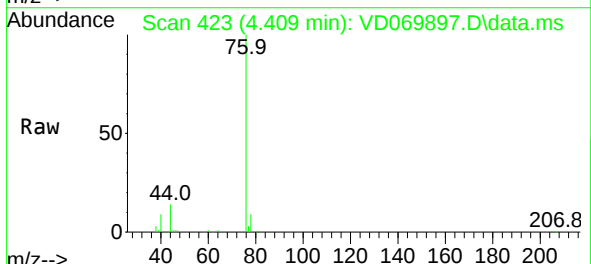
Instrument :
MSVOA_D
ClientSampled :

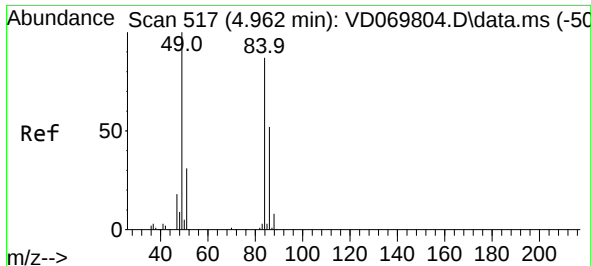
Tgt Ion: 43 Resp: 29672
Ion Ratio Lower Upper
43 100
58 41.0 29.4 44.0



#17
Carbon Disulfide
Concen: 6.200 ug/l
RT: 4.409 min Scan# 423
Delta R.T. 0.000 min
Lab File: VD069897.D
Acq: 28 Jul 2021 19:15

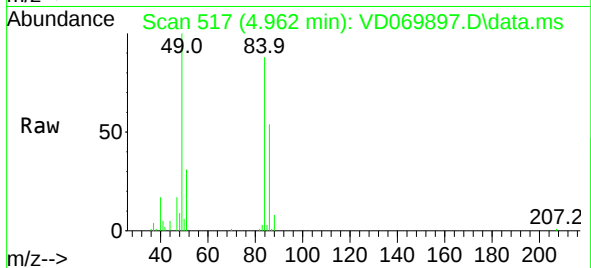
Tgt Ion: 76 Resp: 157262
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9



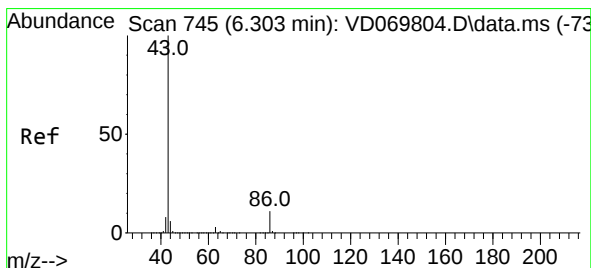
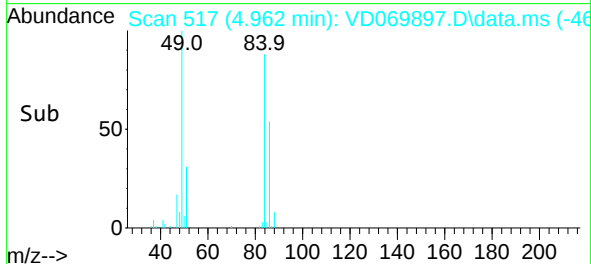
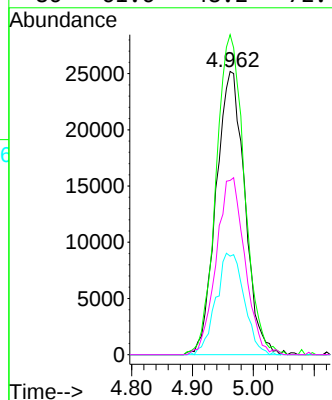


#20
Methylene Chloride
Concen: 2.879 ug/l
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD069897.D
Acq: 28 Jul 2021 19:15

Instrument :
MSVOA_D
ClientSampleId :

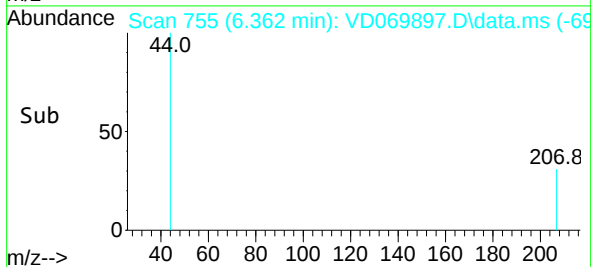
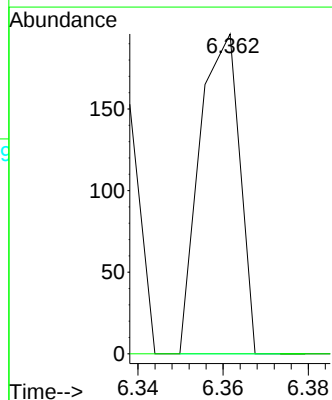
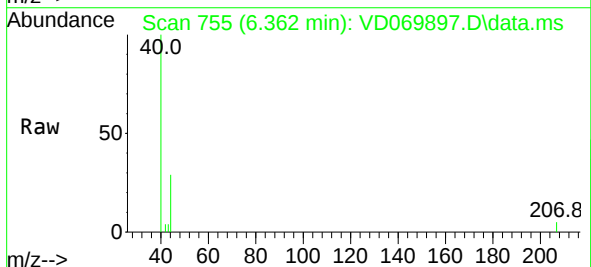


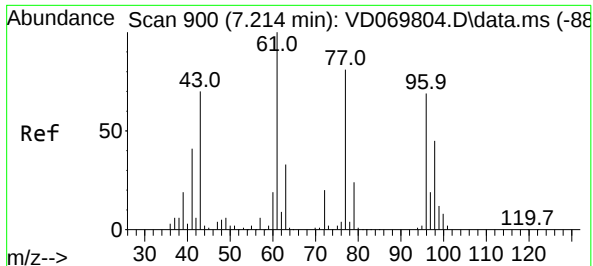
Tgt Ion:	84	Resp:	82416
Ion	Ratio	Lower	Upper
84	100		
49	113.0	92.4	138.6
51	34.8	28.5	42.7
86	61.6	48.2	72.4



#23
Vinyl Acetate
Concen: 20.359 ug/l
RT: 6.362 min Scan# 755
Delta R.T. 0.059 min
Lab File: VD069897.D
Acq: 28 Jul 2021 19:15

Tgt Ion:	43	Resp:	127
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	13.0#

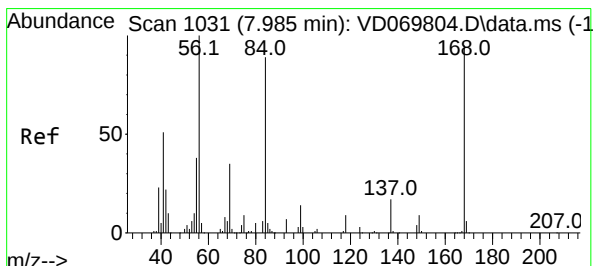
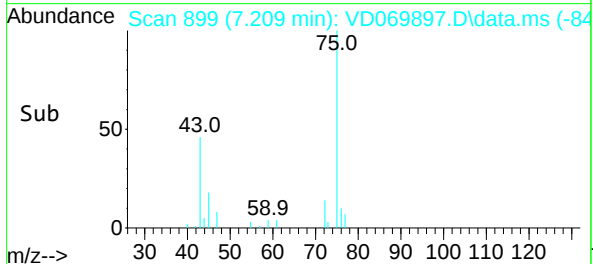
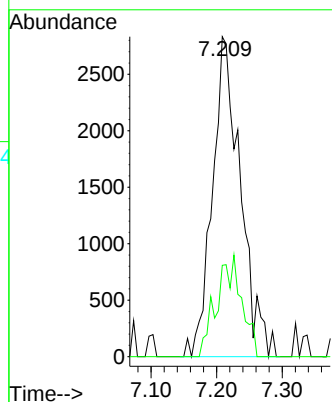
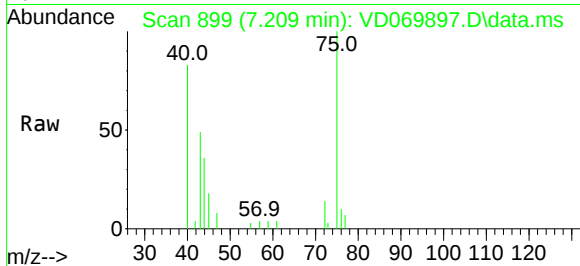




#25
2-Butanone
Concen: 4.823 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD069897.D
Acq: 28 Jul 2021 19:15

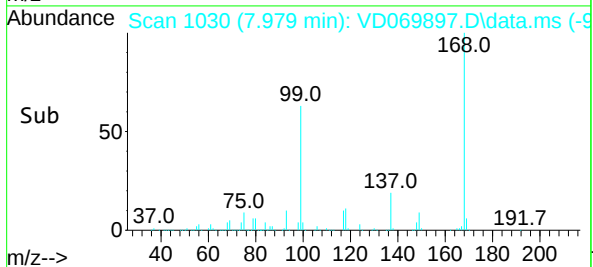
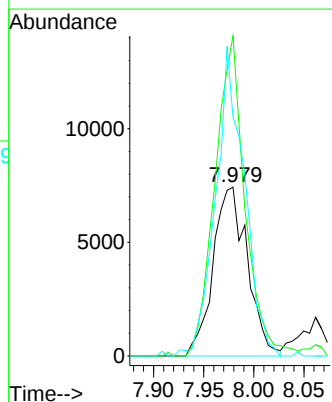
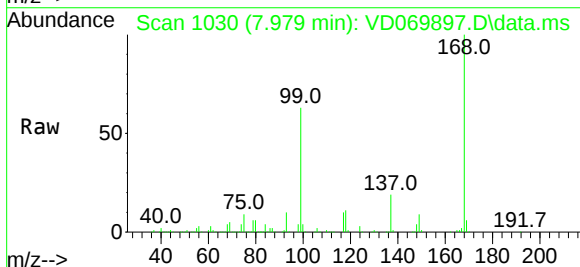
Instrument :
MSVOA_D
ClientSampled :

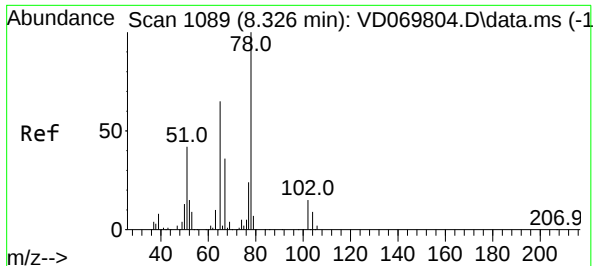
Tgt Ion: 43 Resp: 8425
Ion Ratio Lower Upper
43 100
72 28.6 22.8 34.2



#31
Cyclohexane
Concen: 1.269 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069897.D
Acq: 28 Jul 2021 19:15

Tgt Ion: 56 Resp: 17678
Ion Ratio Lower Upper
56 100
69 189.5 27.9 41.9#
84 141.5 71.4 107.2#

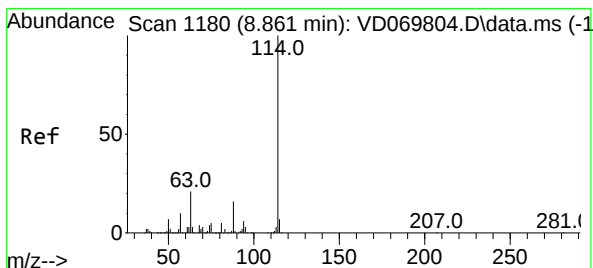
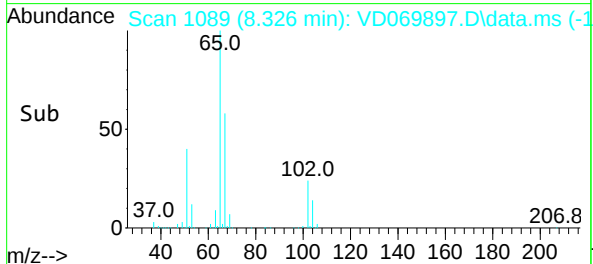
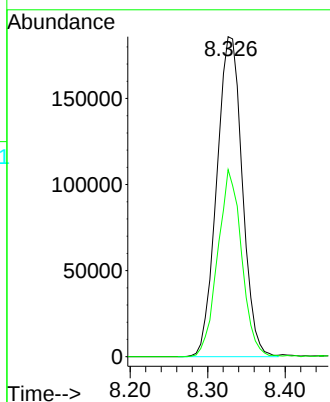
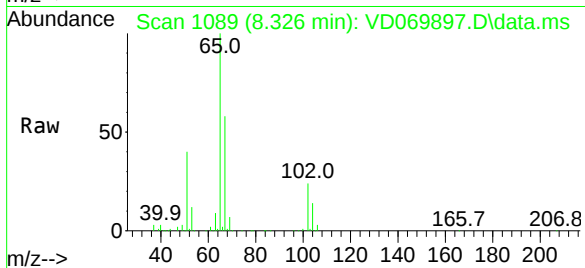




#33
1,2-Dichloroethane-d4
Concen: 59.885 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD069897.D
Acq: 28 Jul 2021 19:15

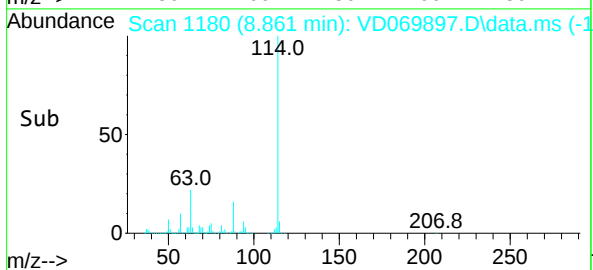
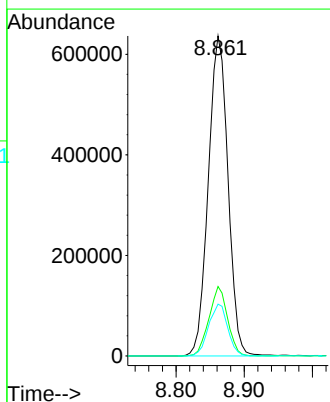
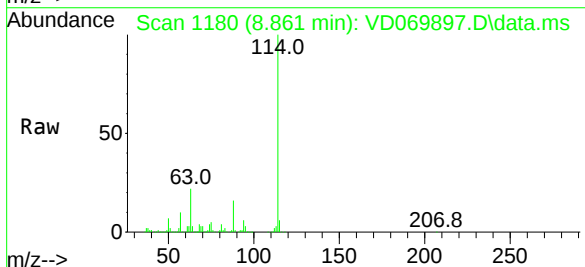
Instrument :
MSVOA_D
ClientSampled :

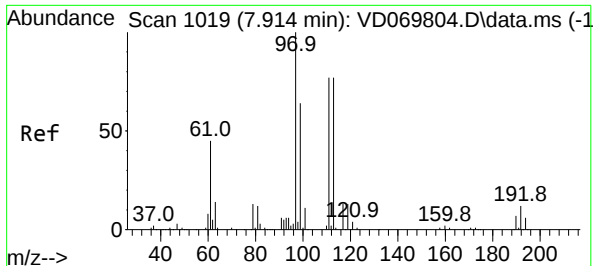
Tgt Ion: 65 Resp: 427029
Ion Ratio Lower Upper
65 100
67 54.7 0.0 111.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069897.D
Acq: 28 Jul 2021 19:15

Tgt Ion: 114 Resp: 1279961
Ion Ratio Lower Upper
114 100
63 21.7 0.0 41.6
88 16.2 0.0 31.4



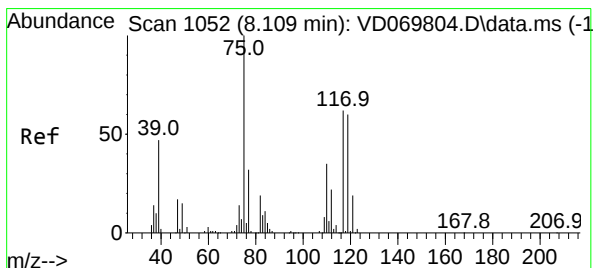
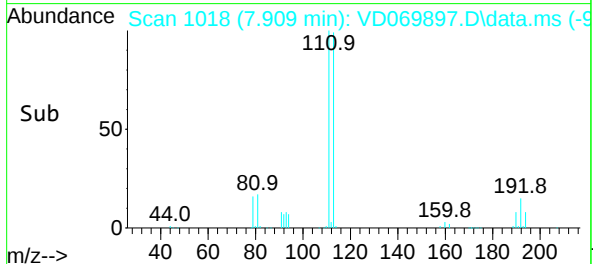
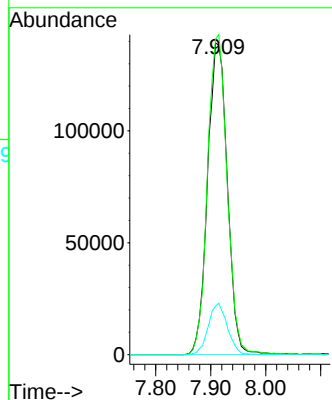
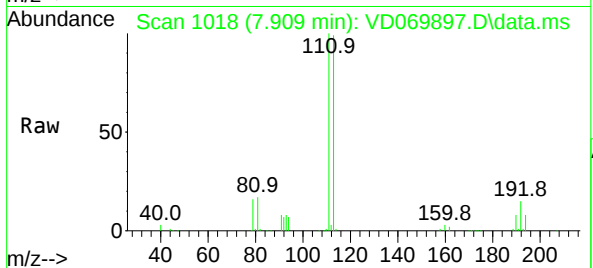


#35

Dibromofluoromethane
Concen: 43.156 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD069897.D
Acq: 28 Jul 2021 19:15

Instrument :
MSVOA_D
ClientSampleId :

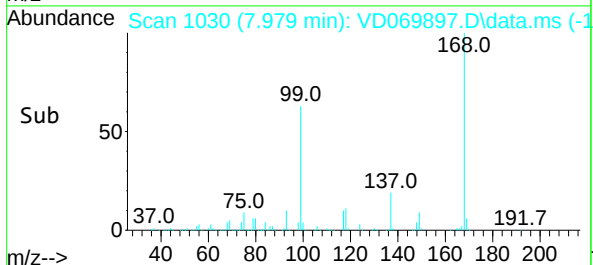
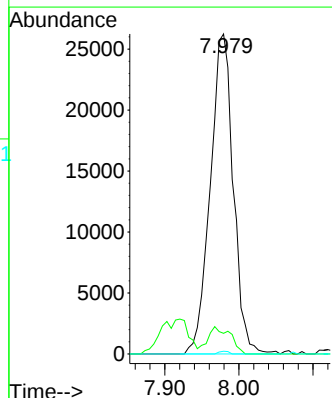
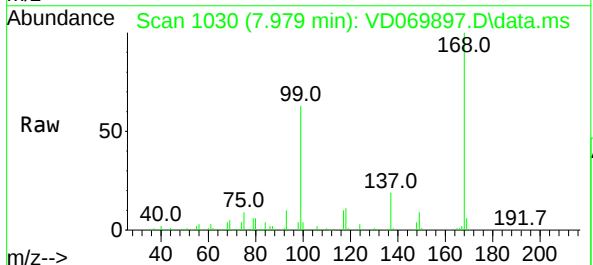
Tgt Ion:113 Resp: 348222
Ion Ratio Lower Upper
113 100
111 101.7 80.5 120.7
192 15.9 12.6 19.0

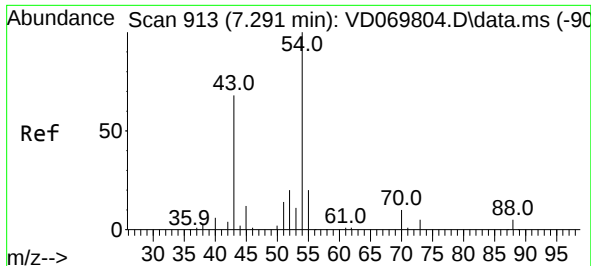


#36

1,1-Dichloropropene
Concen: 4.099 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD069897.D
Acq: 28 Jul 2021 19:15

Tgt Ion: 75 Resp: 56622
Ion Ratio Lower Upper
75 100
110 8.4 16.9 50.7#
77 0.4 24.9 37.3#





#37

Ethyl Acetate

Concen: 1.675 ug/l

RT: 7.209 min Scan# 899

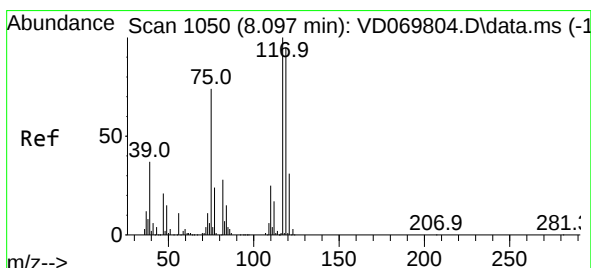
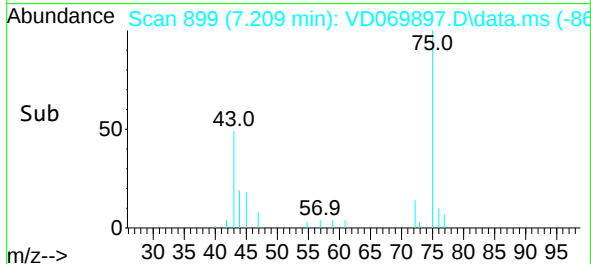
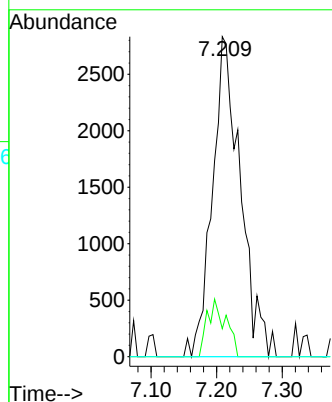
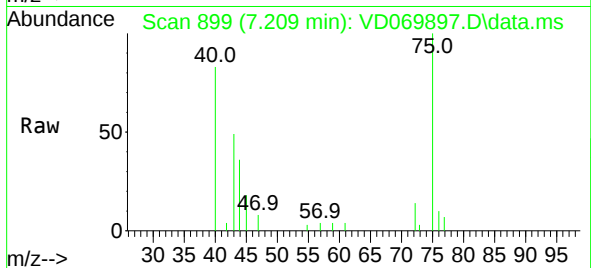
Delta R.T. -0.082 min

Lab File: VD069897.D

Acq: 28 Jul 2021 19:15

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 43	Resp: 8425
Ion Ratio	Lower Upper
43 100	
61 12.0	11.8 17.8
70 0.0	8.9 13.3#



#38

Carbon Tetrachloride

Concen: 5.351 ug/l

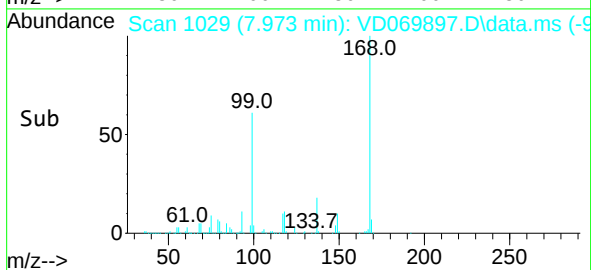
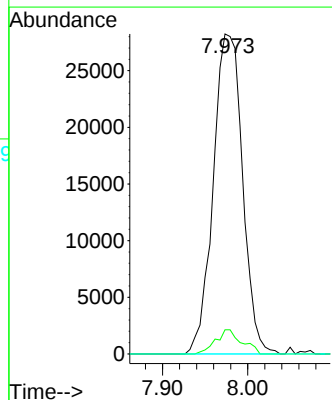
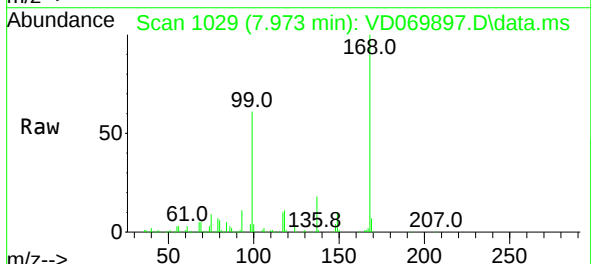
RT: 7.973 min Scan# 1029

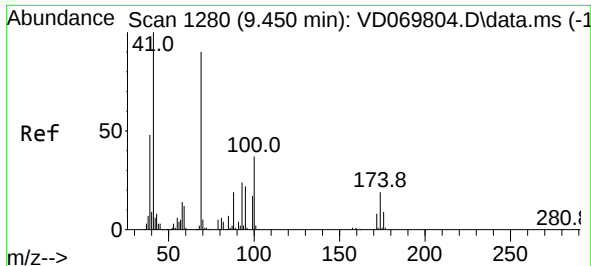
Delta R.T. -0.123 min

Lab File: VD069897.D

Acq: 28 Jul 2021 19:15

Tgt Ion: 117	Resp: 67511
Ion Ratio	Lower Upper
117 100	
119 7.5	76.2 114.2#
121 0.0	24.5 36.7#

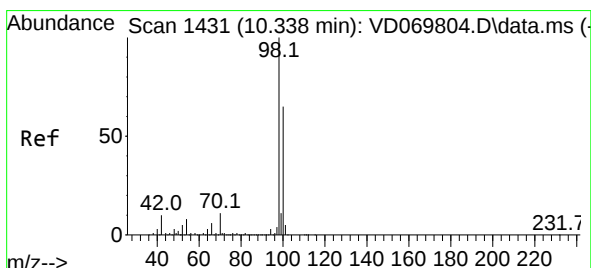
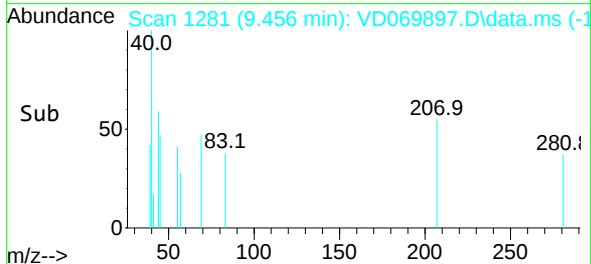
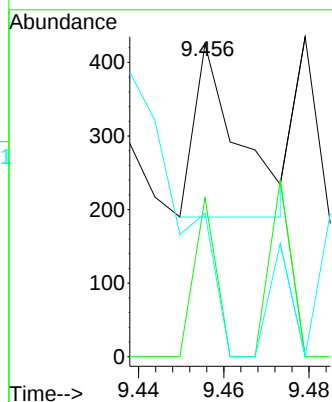
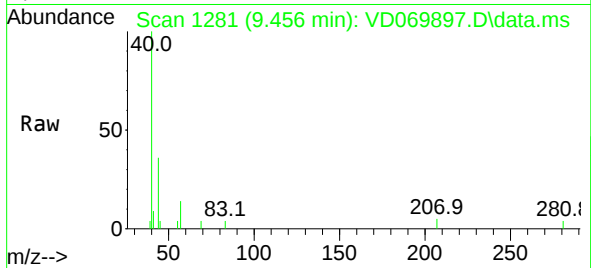




#48
Methyl methacrylate
Concen: 2.780 ug/l
RT: 9.456 min Scan# 1281
Delta R.T. 0.006 min
Lab File: VD069897.D
Acq: 28 Jul 2021 19:15

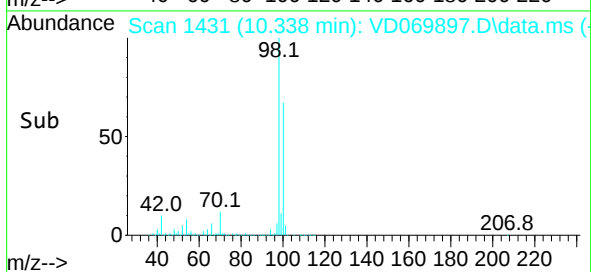
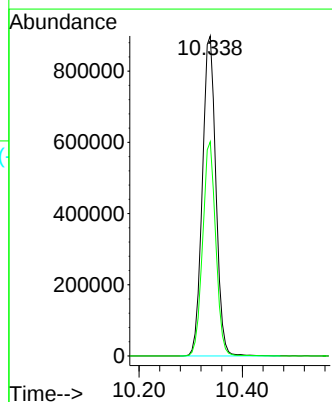
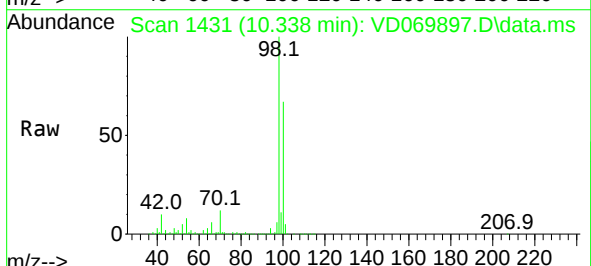
Instrument :
MSVOA_D
ClientSampleId :

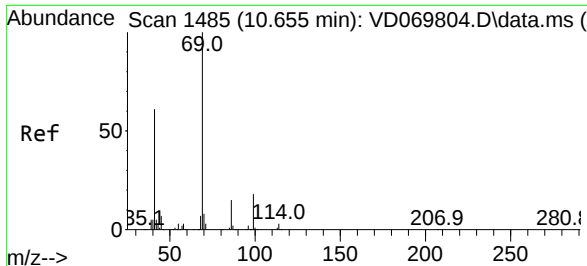
Tgt Ion: 41 Resp: 167
Ion Ratio Lower Upper
41 100
69 45.5 73.4 110.2#
39 225.7 36.6 55.0#



#50
Toluene-d8
Concen: 52.299 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069897.D
Acq: 28 Jul 2021 19:15

Tgt Ion: 98 Resp: 1627193
Ion Ratio Lower Upper
98 100
100 65.0 51.9 77.9

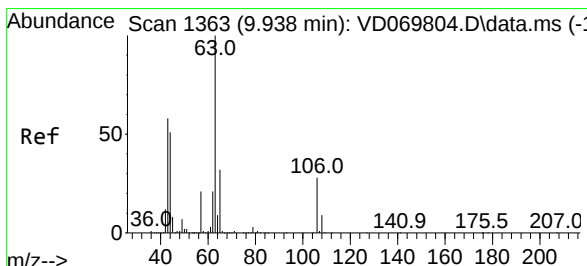
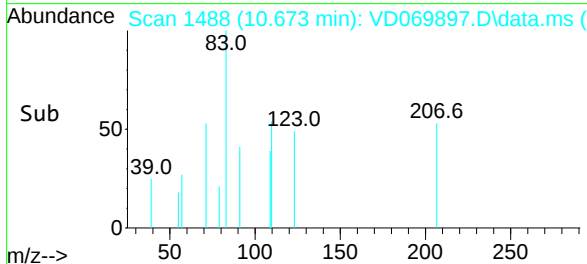
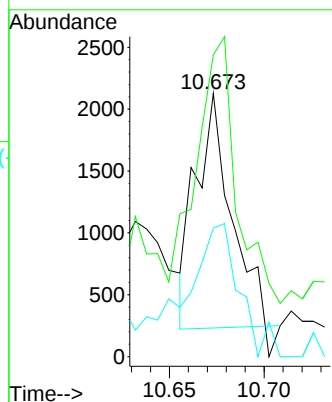
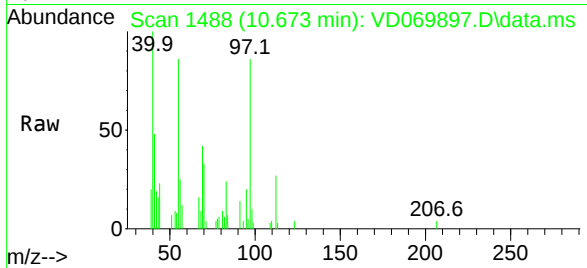




#56
Ethyl methacrylate
Concen: 4.144 ug/l
RT: 10.673 min Scan# 1488
Delta R.T. 0.018 min
Lab File: VD069897.D
Acq: 28 Jul 2021 19:15

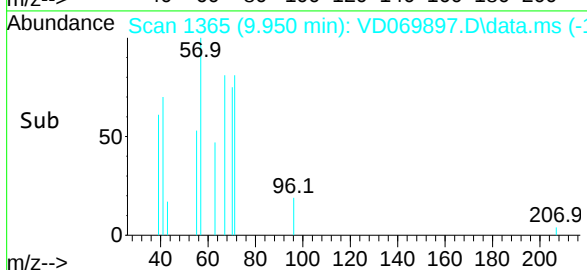
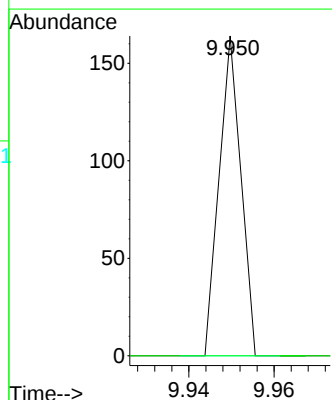
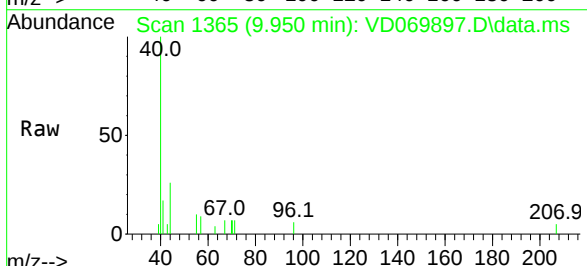
Instrument :
MSVOA_D
ClientSampled :

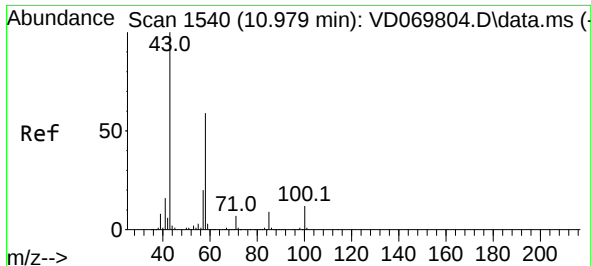
Tgt Ion: 69 Resp: 2426
Ion Ratio Lower Upper
69 100
41 167.1 50.2 75.2#
39 89.8 22.0 33.0#



#58
2-Chloroethyl Vinyl ether
Concen: 20.883 ug/l
RT: 9.950 min Scan# 1365
Delta R.T. 0.012 min
Lab File: VD069897.D
Acq: 28 Jul 2021 19:15

Tgt Ion: 63 Resp: 58
Ion Ratio Lower Upper
63 100
106 0.0 21.8 32.6#

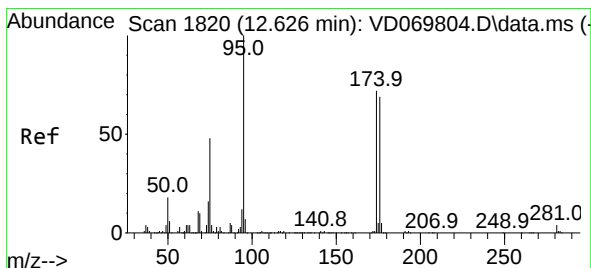
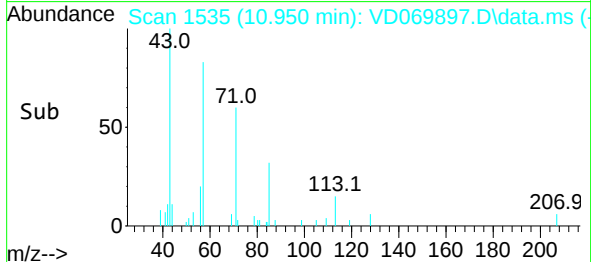
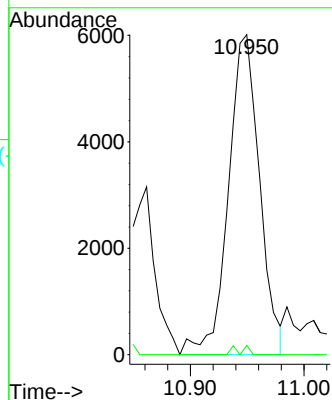
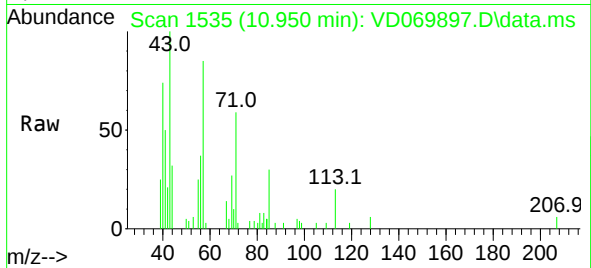




#59
2-Hexanone
Concen: 3.695 ug/l
RT: 10.950 min Scan# 1535
Delta R.T. -0.029 min
Lab File: VD069897.D
Acq: 28 Jul 2021 19:15

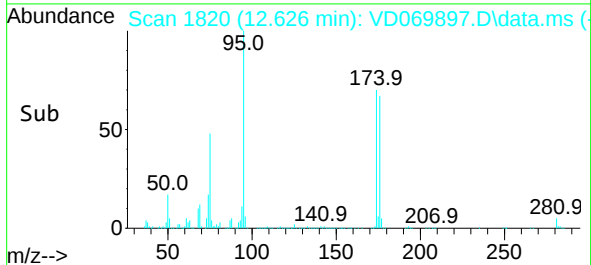
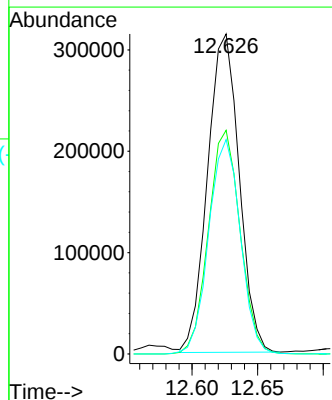
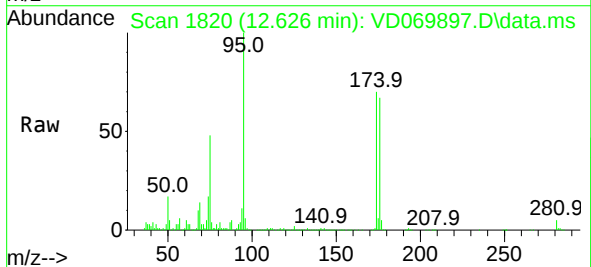
Instrument :
MSVOA_D
ClientSampled :

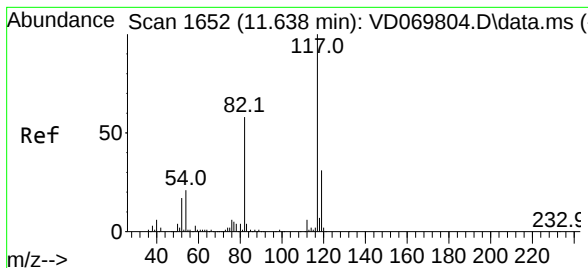
Tgt Ion: 43 Resp: 11471
Ion Ratio Lower Upper
43 100
58 1.1 29.4 88.3#



#62
4-Bromofluorobenzene
Concen: 50.756 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069897.D
Acq: 28 Jul 2021 19:15

Tgt Ion: 95 Resp: 527769
Ion Ratio Lower Upper
95 100
174 70.3 0.0 142.6
176 67.0 0.0 134.2

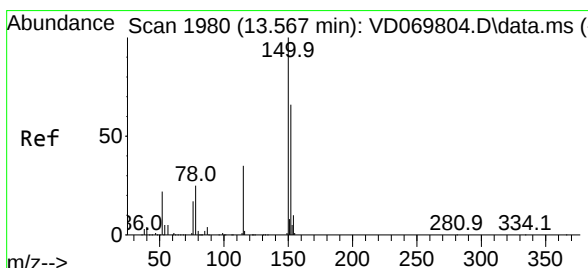
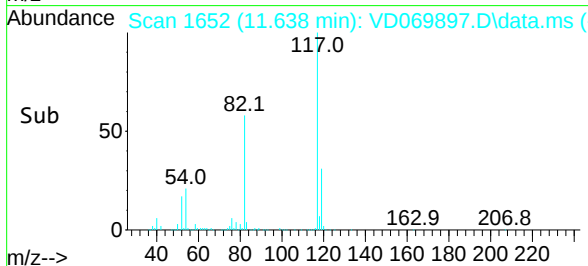
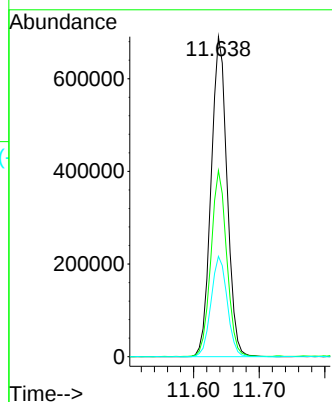
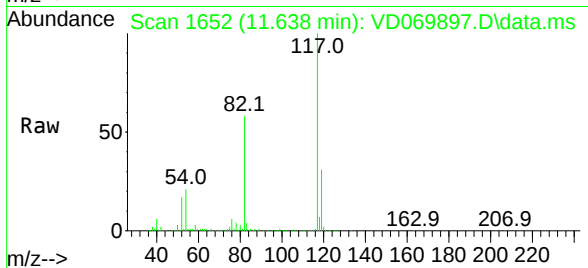




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD069897.D
Acq: 28 Jul 2021 19:15

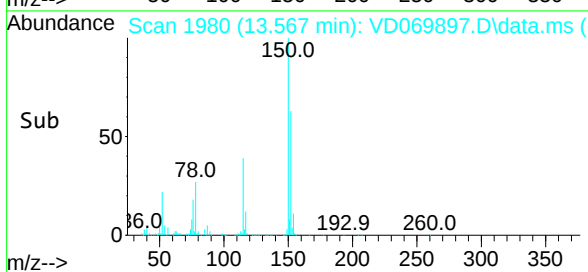
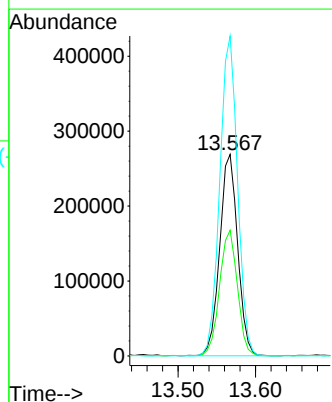
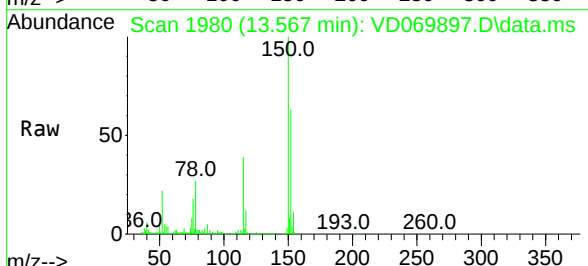
Instrument :
MSVOA_D
ClientSampleId :

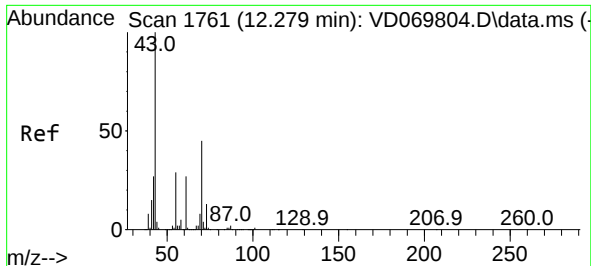
Tgt Ion:117 Resp: 1167936
Ion Ratio Lower Upper
117 100
82 58.1 46.3 69.5
119 31.3 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069897.D
Acq: 28 Jul 2021 19:15

Tgt Ion:152 Resp: 433730
Ion Ratio Lower Upper
152 100
115 61.5 31.1 93.3
150 156.4 0.0 343.0

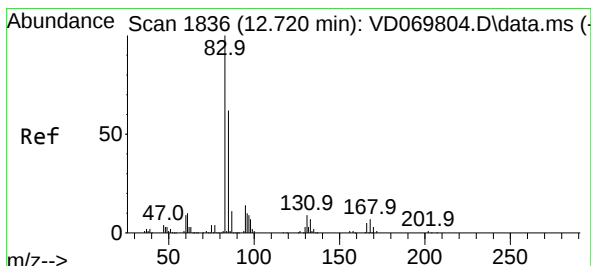
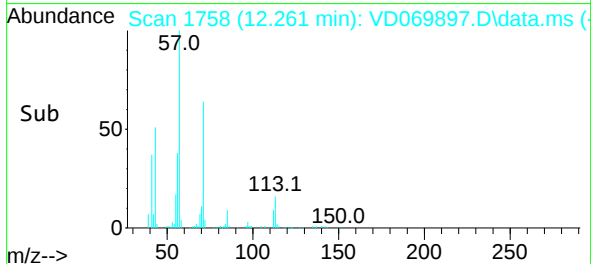
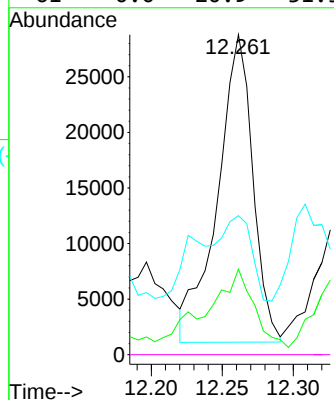
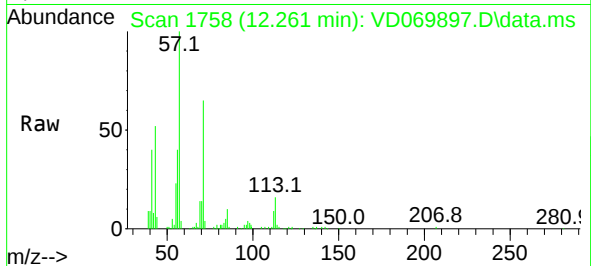




#74
N-amy1 acetate
Concen: 7.448 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.018 min
Lab File: VD069897.D
Acq: 28 Jul 2021 19:15

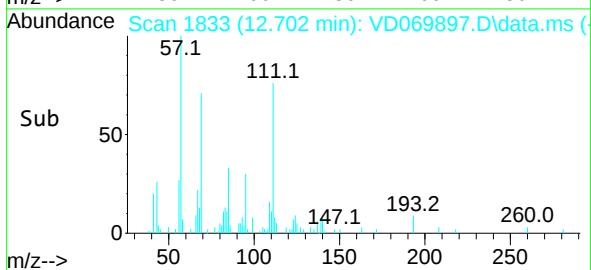
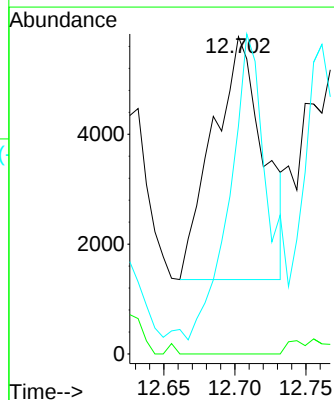
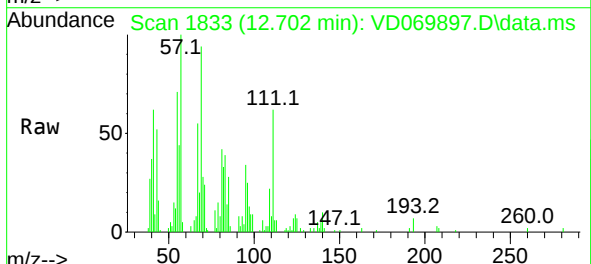
Instrument :
MSVOA_D
ClientSampleId :

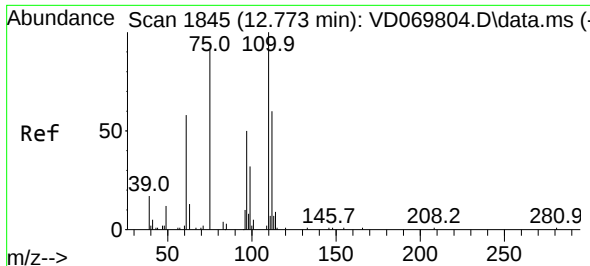
Tgt Ion:	43	Resp:	47740
Ion	Ratio	Lower	Upper
43	100		
70	34.1	37.9	56.9#
55	35.2	23.7	35.5
61	0.0	20.9	31.3#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.758 ug/l
RT: 12.702 min Scan# 1833
Delta R.T. -0.018 min
Lab File: VD069897.D
Acq: 28 Jul 2021 19:15

Tgt Ion:	83	Resp:	10941
Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.9	14.6#
85	87.8	31.8	95.4

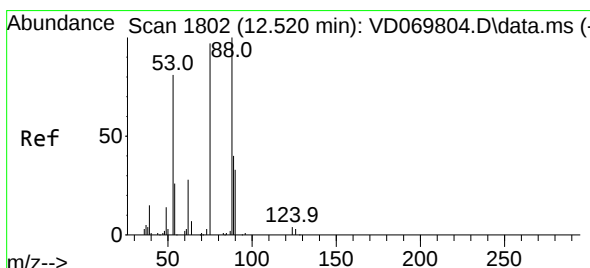
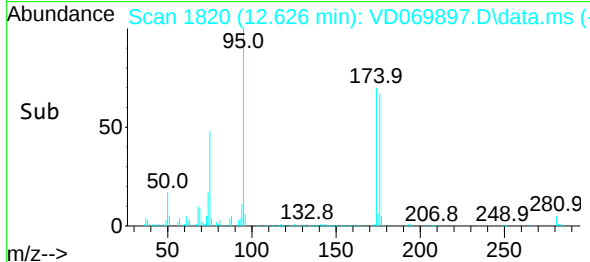
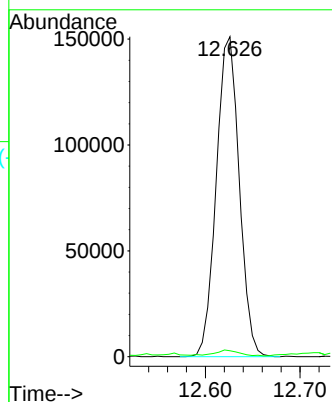
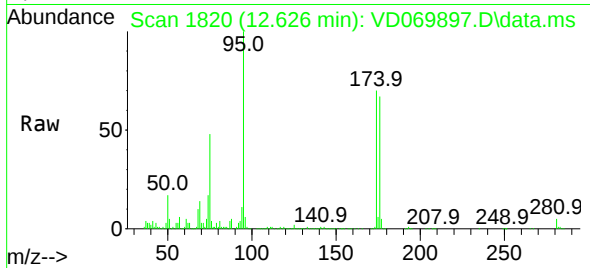




#76
1,2,3-Trichloropropane
Concen: 55.284 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069897.D
Acq: 28 Jul 2021 19:15

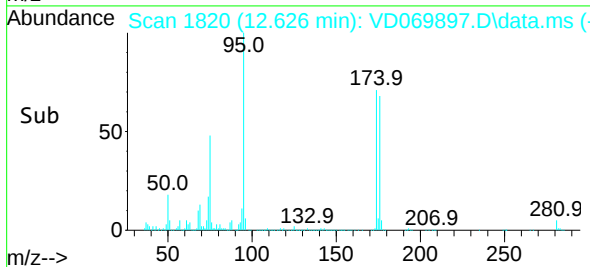
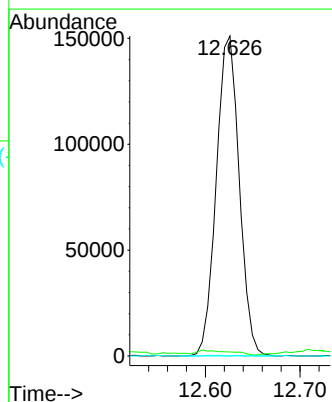
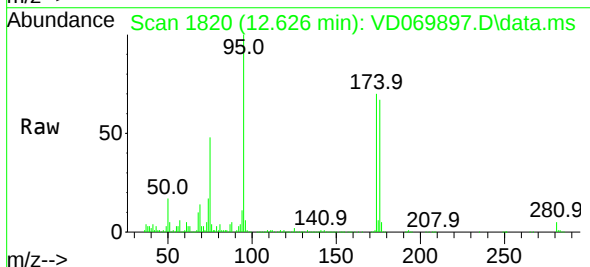
Instrument :
MSVOA_D
ClientSampleId :

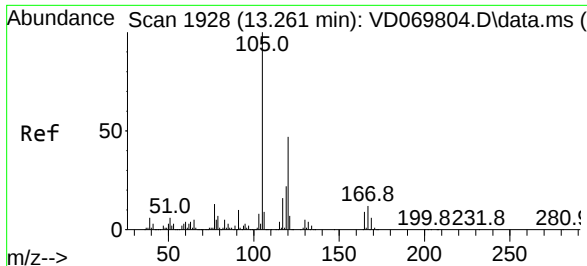
Tgt Ion: 75 Resp: 254871
Ion Ratio Lower Upper
75 100
77 1.9 181.5 544.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 167.716 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069897.D
Acq: 28 Jul 2021 19:15

Tgt Ion: 75 Resp: 254871
Ion Ratio Lower Upper
75 100
53 0.0 67.2 100.8#
89 0.1 35.8 53.6#

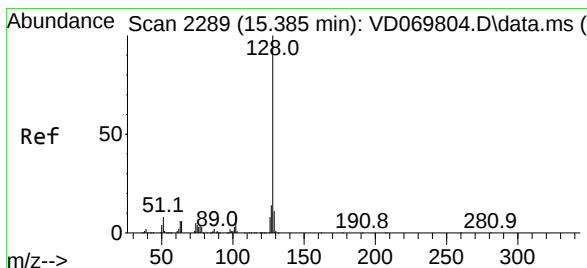
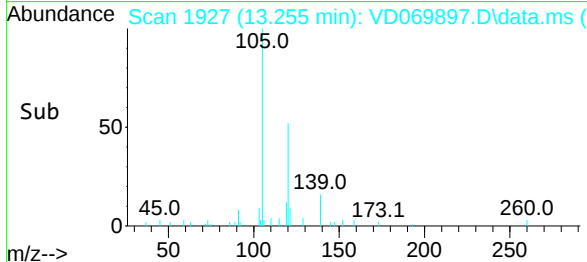
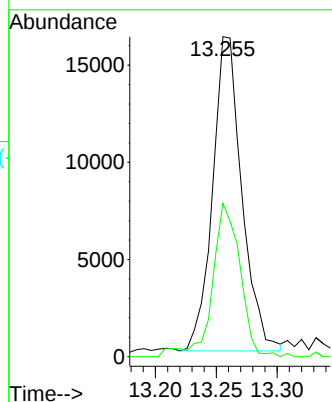
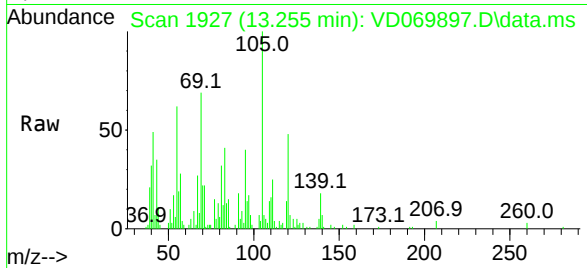




#84
1,2,4-Trimethylbenzene
Concen: 1.028 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. -0.006 min
Lab File: VD069897.D
Acq: 28 Jul 2021 19:15

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:105 Resp: 27038
Ion Ratio Lower Upper
105 100
120 46.5 22.6 67.8



#95
Naphthalene
Concen: 5.255 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD069897.D
Acq: 28 Jul 2021 19:15

Tgt Ion:128 Resp: 4046
Ion Ratio Lower Upper
128 100
127 12.7 10.6 16.0
129 5.8 8.6 12.8#

