

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072821\
 Data File : VD069899.D
 Acq On : 28 Jul 2021 20:12
 Operator : VA/SY
 Sample : M3206-01
 Misc : 8.83G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20210428-14

Quant Time: Jul 29 04:03:27 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)

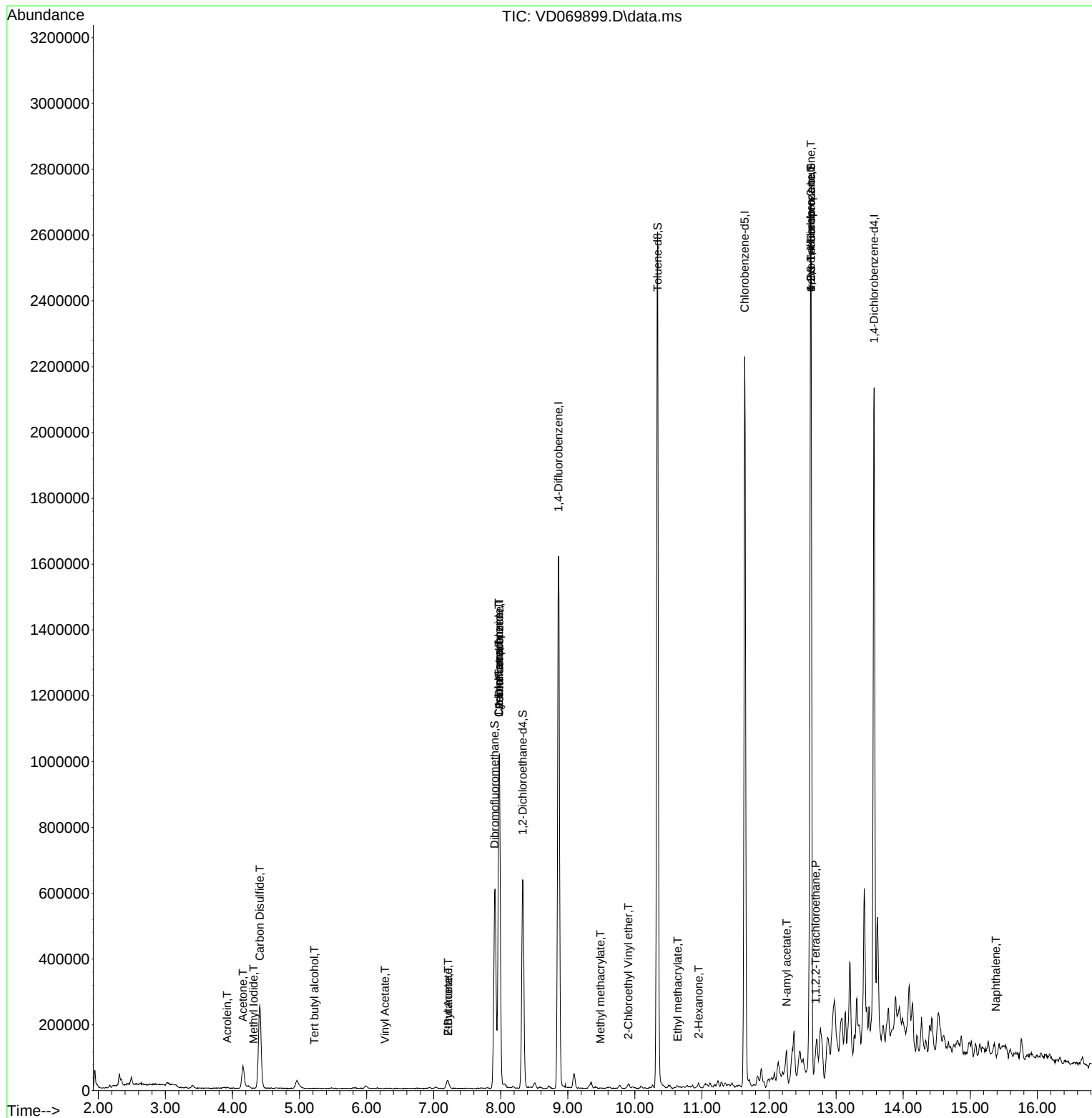
Internal Standards						
1) Pentafluorobenzene	7.979	168	714957	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1405463	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1268466	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	531173	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	500556	60.875	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.760%	
35) Dibromofluoromethane	7.909	113	457896	51.681	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.360%	
50) Toluene-d8	10.338	98	1766632	51.711	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.420%	
62) 4-Bromofluorobenzene	12.626	95	623529	54.611	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 109.220%	
Target Compounds						Qvalue
5) Bromomethane	2.779	94	1687	Below Cal	#	64
10) Methyl Iodide	4.315	142	57	3.468	ug/l #	1
11) Tert butyl alcohol	5.220	59	496	1.166	ug/l	98
13) Acrolein	3.921	56	3672	6.165	ug/l	86
16) Acetone	4.156	43	114285	76.939	ug/l	94
17) Carbon Disulfide	4.409	76	562816	19.243	ug/l	97
20) Methylene Chloride	4.950	84	18264	Below Cal	#	78
23) Vinyl Acetate	6.273	43	73	20.354	ug/l #	71
25) 2-Butanone	7.214	43	32264	16.017	ug/l	96
31) Cyclohexane	7.973	56	22812	1.420	ug/l #	13
36) 1,1-Dichloropropene	7.973	75	65895	4.345	ug/l #	45
37) Ethyl Acetate	7.214	43	32264	5.843	ug/l #	68
38) Carbon Tetrachloride	7.973	117	78869	5.693	ug/l #	16
48) Methyl methacrylate	9.485	41	587	2.852	ug/l #	48
56) Ethyl methacrylate	10.638	69	2367	4.116	ug/l	90
58) 2-Chloroethyl Vinyl ether	9.903	63	58	20.882	ug/l #	48
59) 2-Hexanone	10.950	43	5539	1.625	ug/l #	28
74) N-amyl acetate	12.261	43	22451	2.860	ug/l #	70
75) 1,1,2,2-Tetrachloroethane	12.697	83	9463	1.242	ug/l #	4
76) 1,2,3-Trichloropropane	12.626	75	310886	55.063	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	310886	167.047	ug/l #	18
95) Naphthalene	15.385	128	2932	5.151	ug/l #	74

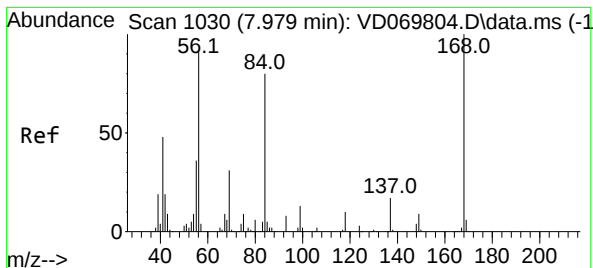
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
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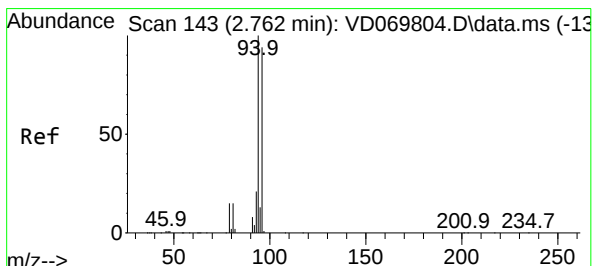
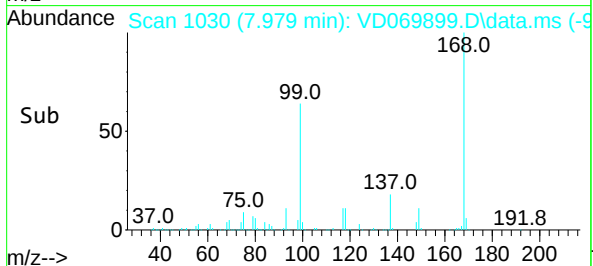
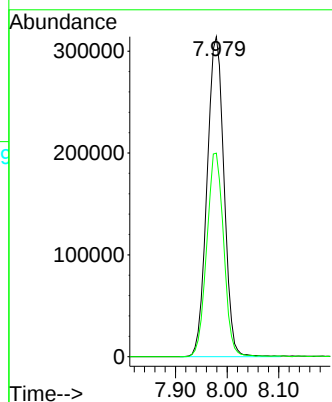
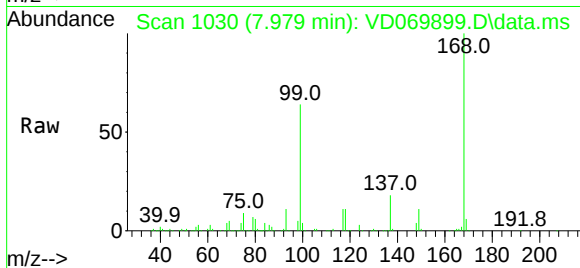




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069899.D
Acq: 28 Jul 2021 20:12

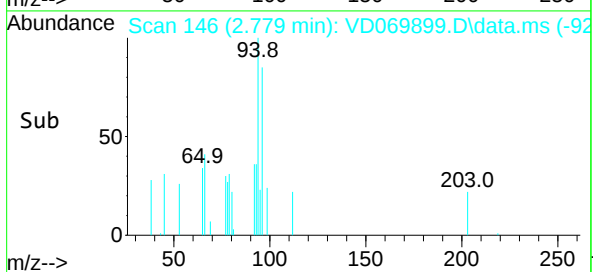
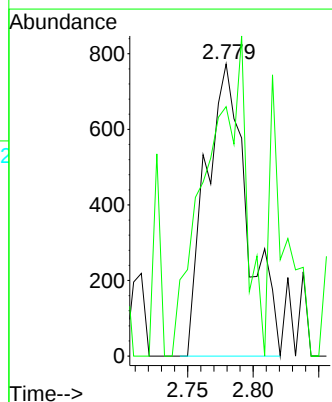
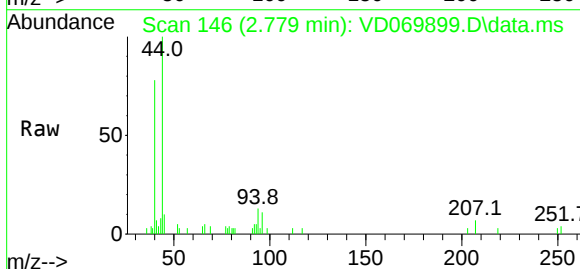
Instrument :
MSVOA_D
ClientSampleId :
20210428-14

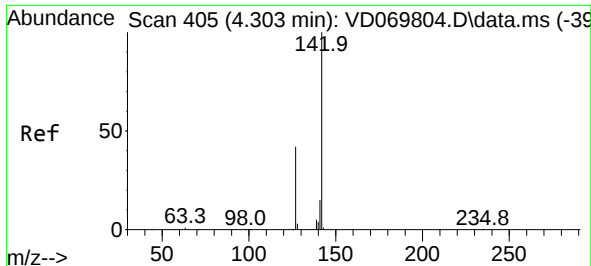
Tgt Ion:168 Resp: 714957
Ion Ratio Lower Upper
168 100
99 63.6 51.1 76.7



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD069899.D
Acq: 28 Jul 2021 20:12

Tgt Ion: 94 Resp: 1687
Ion Ratio Lower Upper
94 100
96 59.2 74.8 112.2#

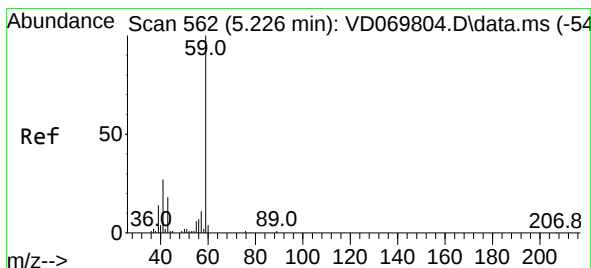
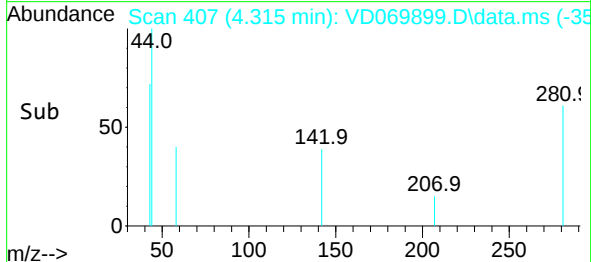
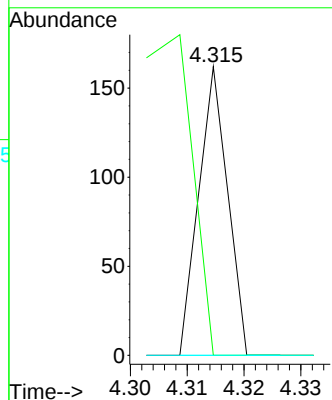
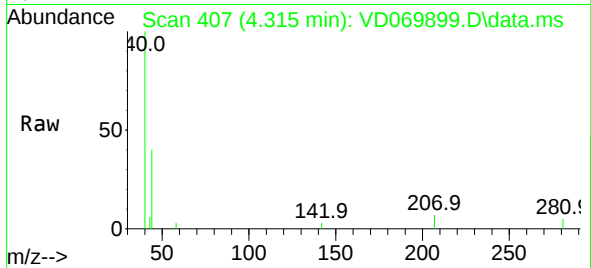




#10
Methyl Iodide
Concen: 3.468 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.012 min
Lab File: VD069899.D
Acq: 28 Jul 2021 20:12

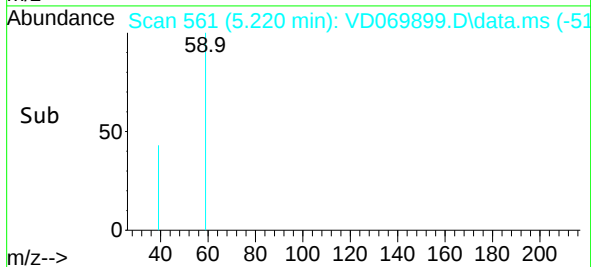
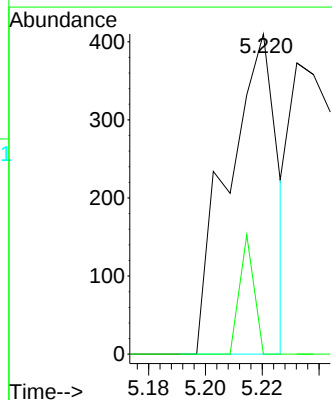
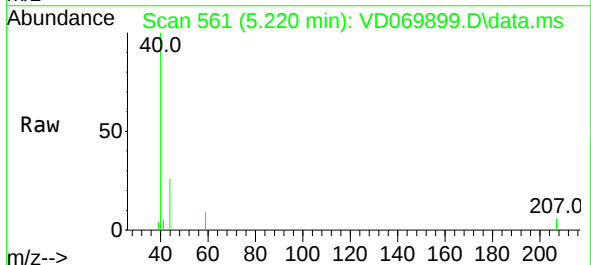
Instrument :
MSVOA_D
ClientSampleId :
20210428-14

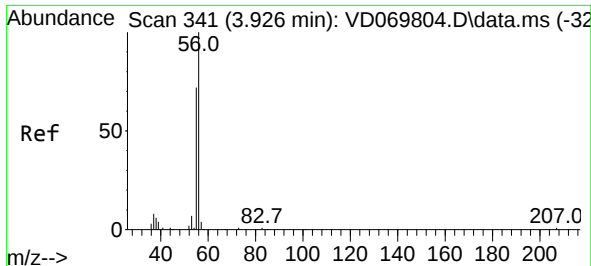
Tgt Ion:142 Resp: 57
Ion Ratio Lower Upper
142 100
127 308.8 35.7 53.5#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: 1.166 ug/l
RT: 5.220 min Scan# 561
Delta R.T. -0.006 min
Lab File: VD069899.D
Acq: 28 Jul 2021 20:12

Tgt Ion: 59 Resp: 496
Ion Ratio Lower Upper
59 100
57 10.9 8.1 12.1

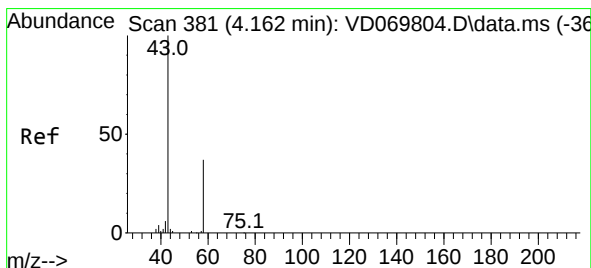
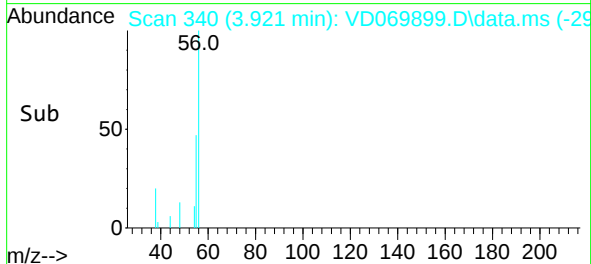
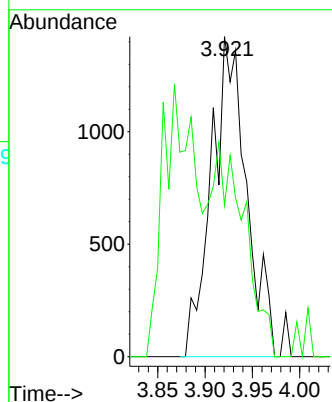
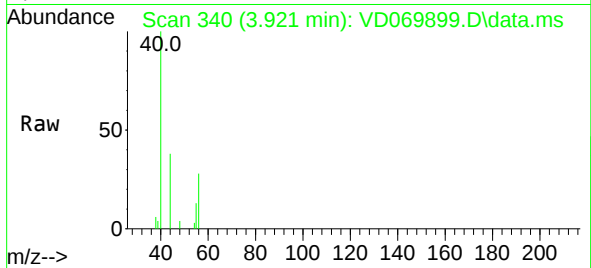




#13
Acrolein
Concen: 6.165 ug/l
RT: 3.921 min Scan# 340
Delta R.T. -0.006 min
Lab File: VD069899.D
Acq: 28 Jul 2021 20:12

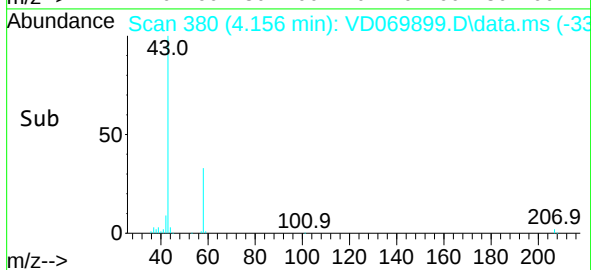
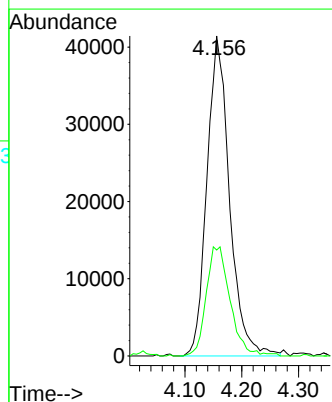
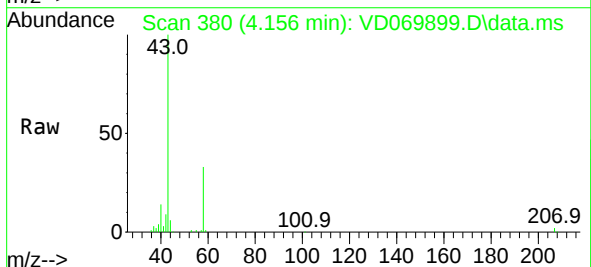
Instrument :
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20210428-14

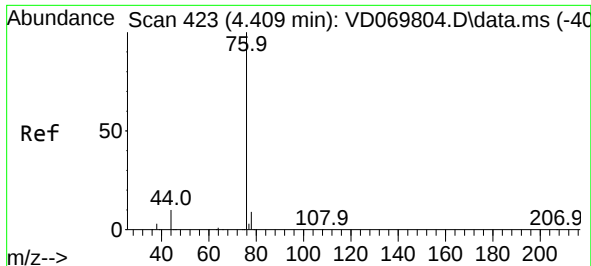
Tgt Ion: 56 Resp: 3672
Ion Ratio Lower Upper
56 100
55 59.8 57.2 85.8



#16
Acetone
Concen: 76.939 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069899.D
Acq: 28 Jul 2021 20:12

Tgt Ion: 43 Resp: 114285
Ion Ratio Lower Upper
43 100
58 33.1 29.4 44.0

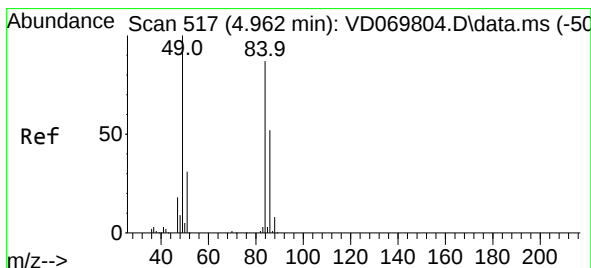
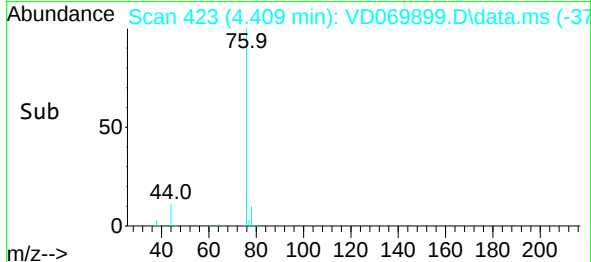
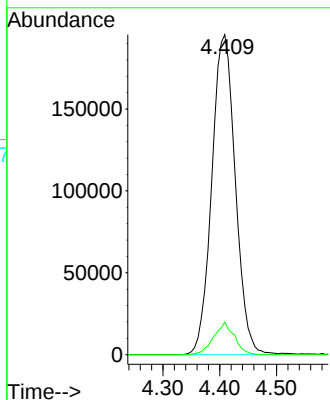
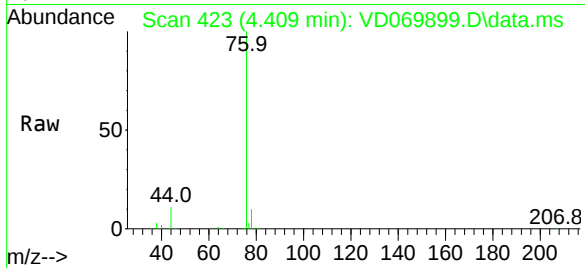




#17
Carbon Disulfide
Concen: 19.243 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD069899.D
Acq: 28 Jul 2021 20:12

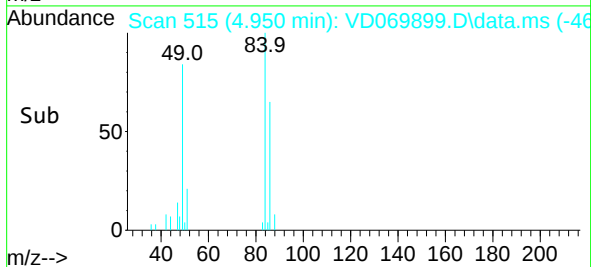
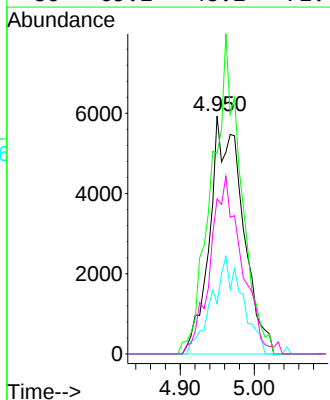
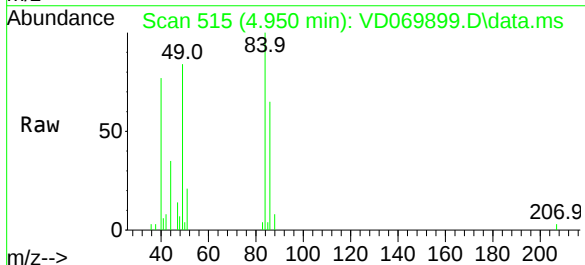
Instrument :
MSVOA_D
ClientSampleId :
20210428-14

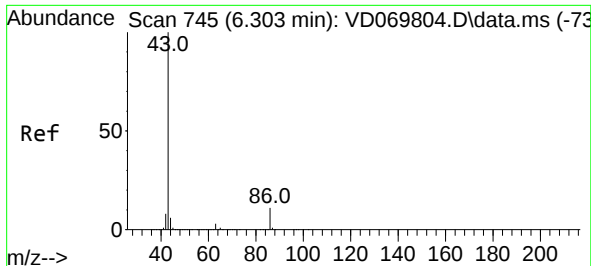
Tgt Ion: 76 Resp: 562816
Ion Ratio Lower Upper
76 100
78 10.1 7.3 10.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.950 min Scan# 515
Delta R.T. -0.012 min
Lab File: VD069899.D
Acq: 28 Jul 2021 20:12

Tgt Ion: 84 Resp: 18264
Ion Ratio Lower Upper
84 100
49 84.4 92.4 138.6#
51 21.2 28.5 42.7#
86 65.2 48.2 72.4

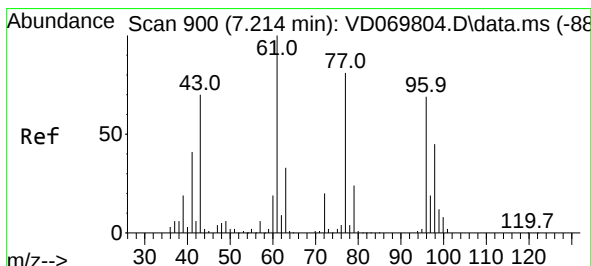
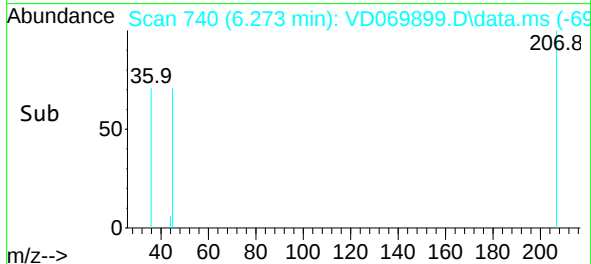
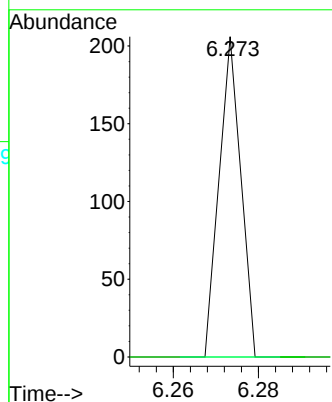
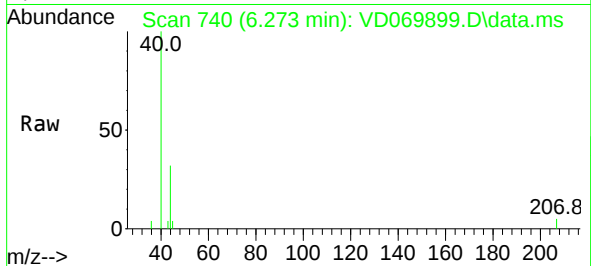




#23
 Vinyl Acetate
 Concen: 20.354 ug/l
 RT: 6.273 min Scan# 740
 Delta R.T. -0.030 min
 Lab File: VD069899.D
 Acq: 28 Jul 2021 20:12

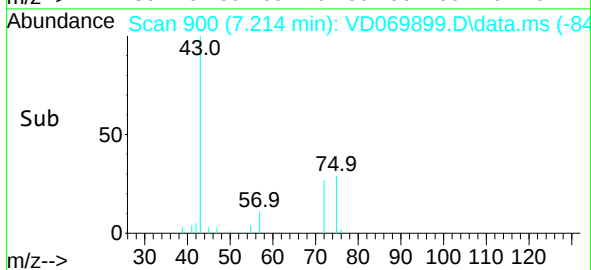
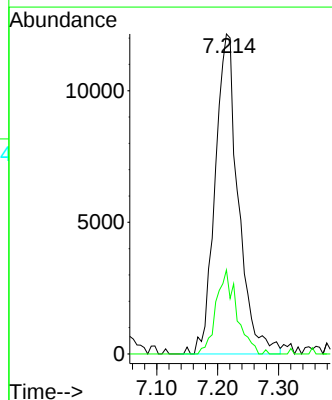
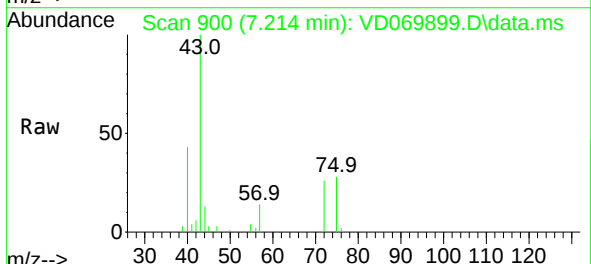
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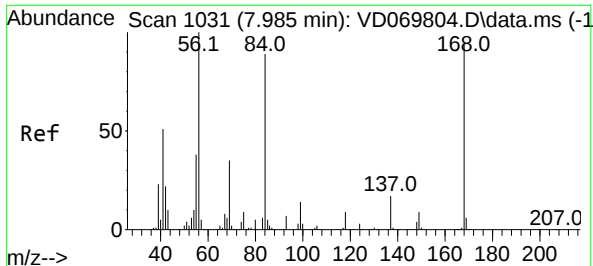
Tgt Ion: 43 Resp: 73
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#25
 2-Butanone
 Concen: 16.017 ug/l
 RT: 7.214 min Scan# 900
 Delta R.T. -0.000 min
 Lab File: VD069899.D
 Acq: 28 Jul 2021 20:12

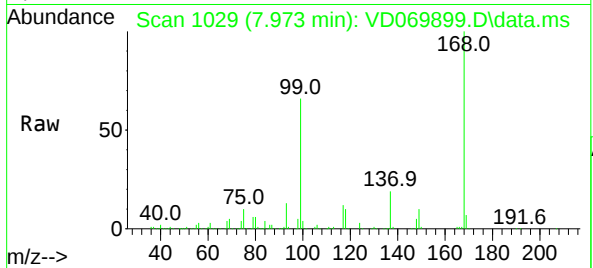
Tgt Ion: 43 Resp: 32264
 Ion Ratio Lower Upper
 43 100
 72 26.2 22.8 34.2



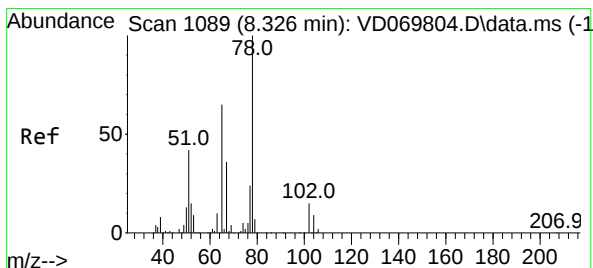
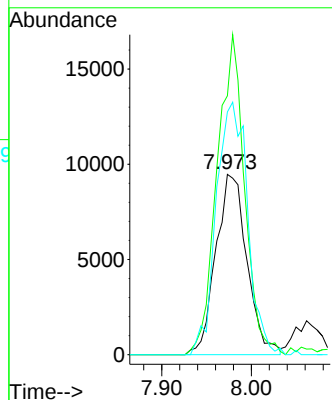
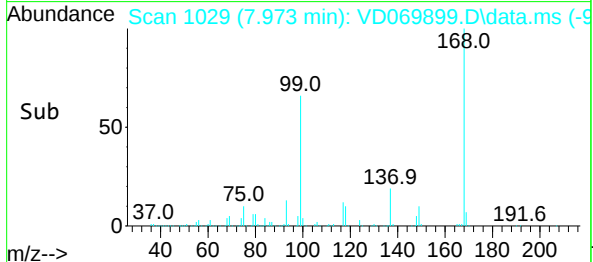


#31
Cyclohexane
Concen: 1.420 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069899.D
Acq: 28 Jul 2021 20:12

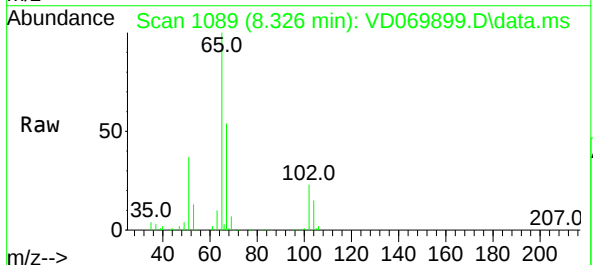
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MSVOA_D
ClientSampleId :
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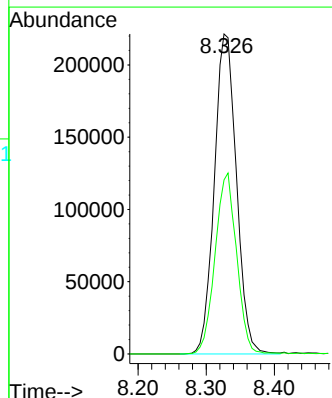
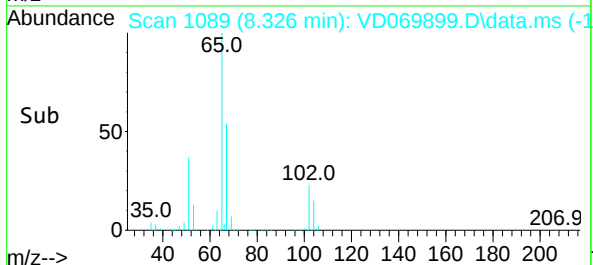
Tgt Ion: 56 Resp: 22812
Ion Ratio Lower Upper
56 100
69 143.5 27.9 41.9#
84 134.6 71.4 107.2#

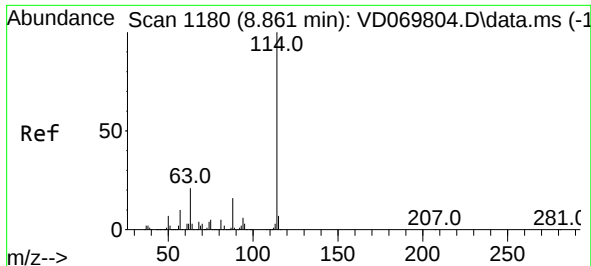


#33
1,2-Dichloroethane-d4
Concen: 60.875 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD069899.D
Acq: 28 Jul 2021 20:12



Tgt Ion: 65 Resp: 500556
Ion Ratio Lower Upper
65 100
67 55.0 0.0 111.2

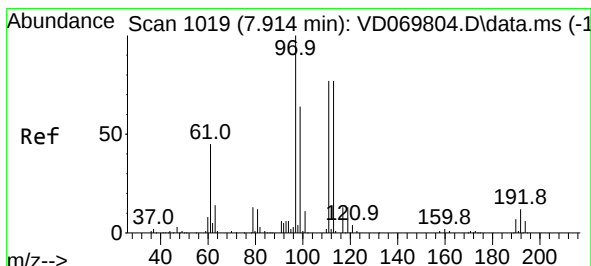
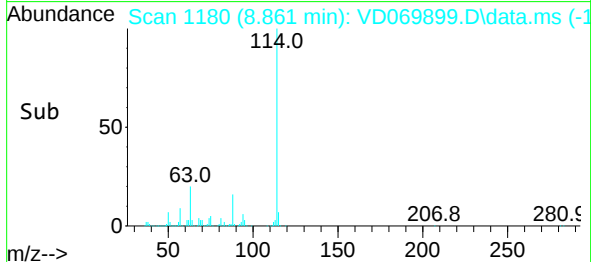
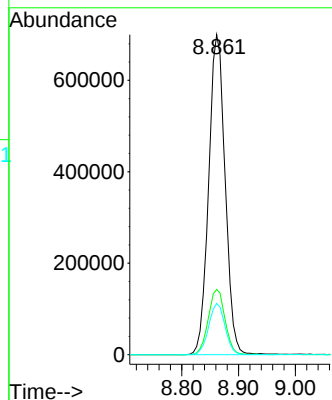
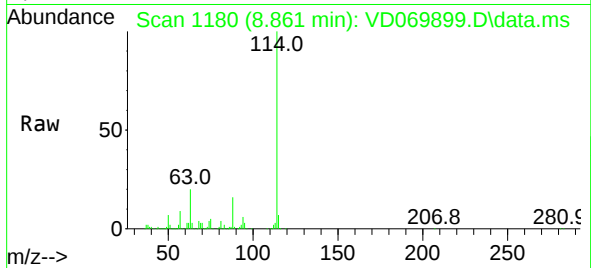




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069899.D
Acq: 28 Jul 2021 20:12

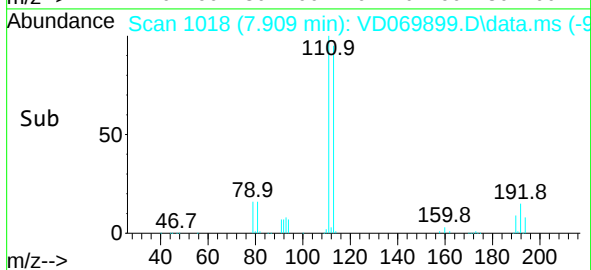
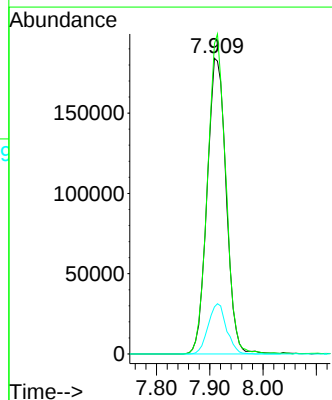
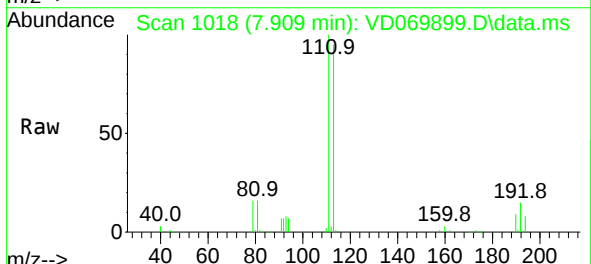
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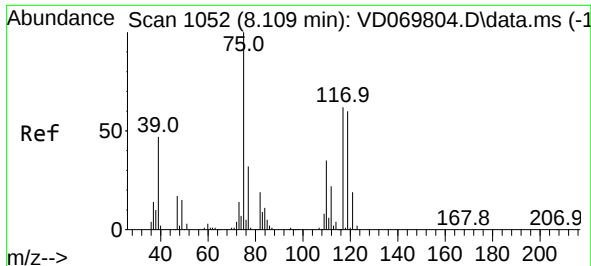
Tgt Ion:114 Resp: 1405463
Ion Ratio Lower Upper
114 100
63 20.4 0.0 41.6
88 16.0 0.0 31.4



#35
Dibromofluoromethane
Concen: 51.681 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD069899.D
Acq: 28 Jul 2021 20:12

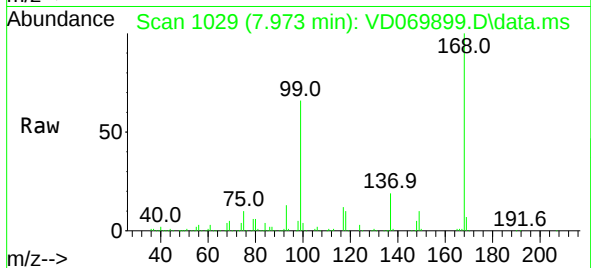
Tgt Ion:113 Resp: 457896
Ion Ratio Lower Upper
113 100
111 103.1 80.5 120.7
192 16.2 12.6 19.0



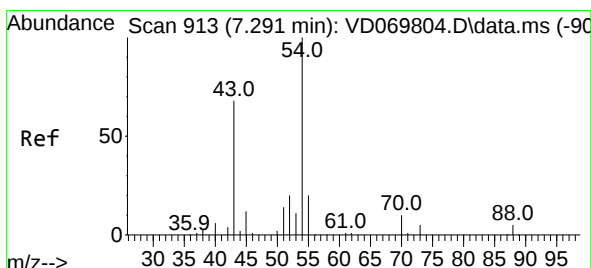
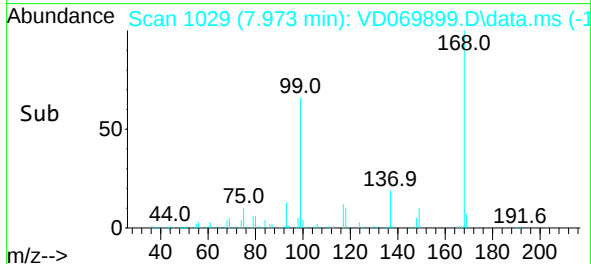
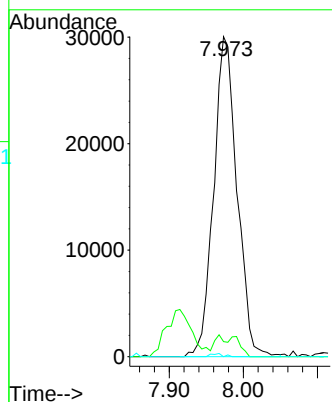


#36
1,1-Dichloropropene
Concen: 4.345 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD069899.D
Acq: 28 Jul 2021 20:12

Instrument :
MSVOA_D
ClientSampleId :
20210428-14

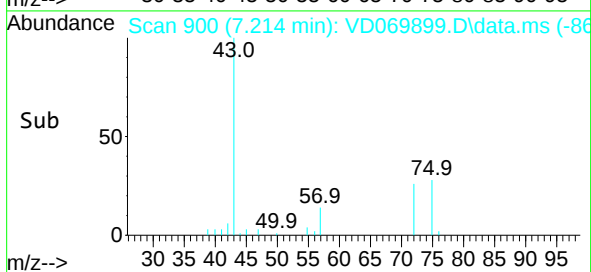
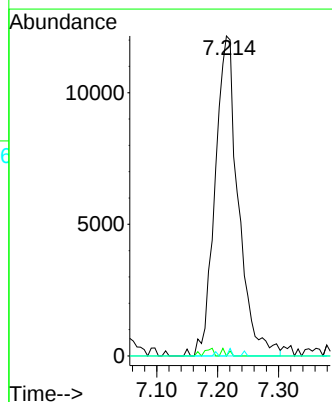
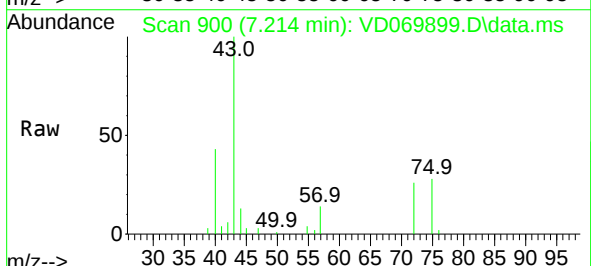


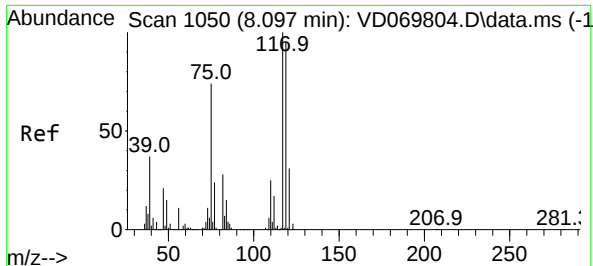
Tgt Ion: 75 Resp: 65895
Ion Ratio Lower Upper
75 100
110 2.2 16.9 50.7#
77 0.5 24.9 37.3#



#37
Ethyl Acetate
Concen: 5.843 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.077 min
Lab File: VD069899.D
Acq: 28 Jul 2021 20:12

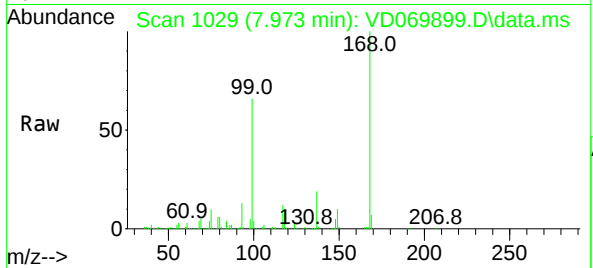
Tgt Ion: 43 Resp: 32264
Ion Ratio Lower Upper
43 100
61 0.5 11.8 17.8#
70 0.3 8.9 13.3#



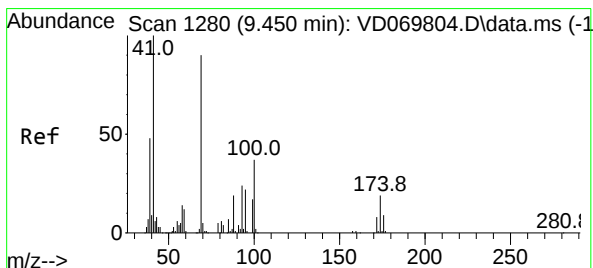
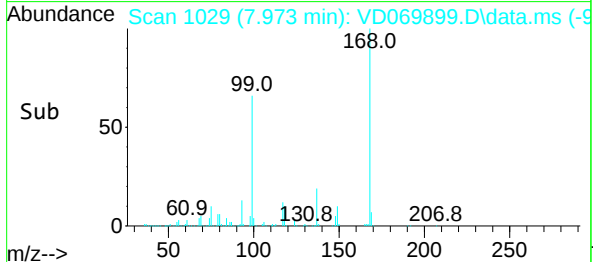
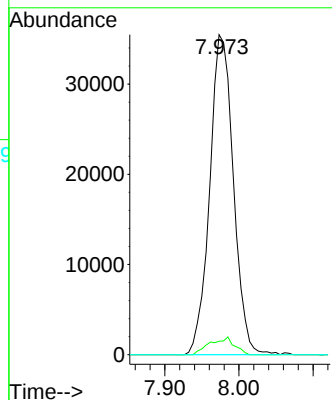


#38
Carbon Tetrachloride
Concen: 5.693 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069899.D
Acq: 28 Jul 2021 20:12

Instrument :
MSVOA_D
ClientSampleId :
20210428-14

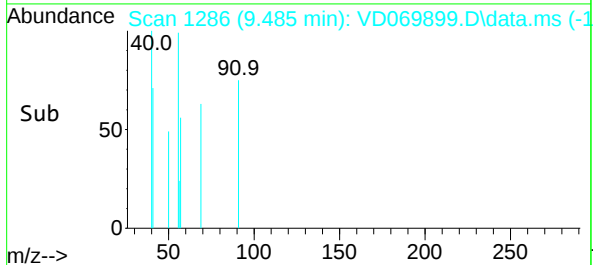
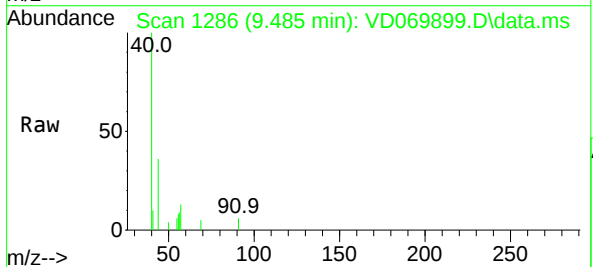
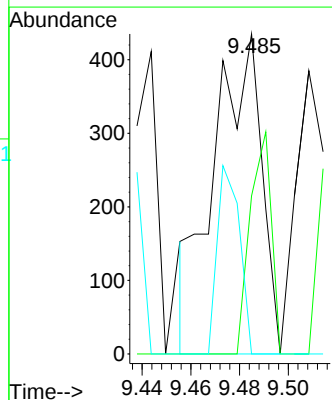


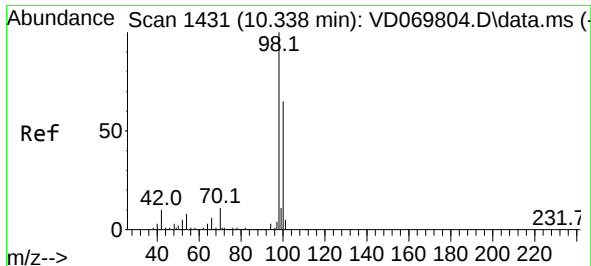
Tgt Ion: 117 Resp: 78869
Ion Ratio Lower Upper
117 100
119 4.2 76.2 114.2#
121 0.0 24.5 36.7#



#48
Methyl methacrylate
Concen: 2.852 ug/l
RT: 9.485 min Scan# 1286
Delta R.T. 0.035 min
Lab File: VD069899.D
Acq: 28 Jul 2021 20:12

Tgt Ion: 41 Resp: 587
Ion Ratio Lower Upper
41 100
69 31.0 73.4 110.2#
39 27.8 36.6 55.0#

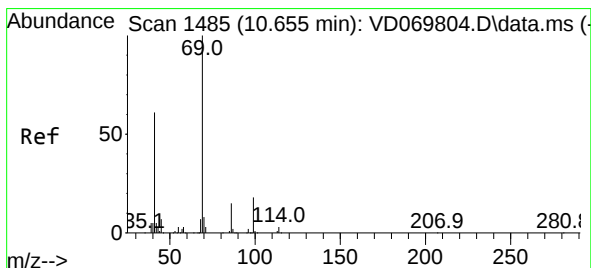
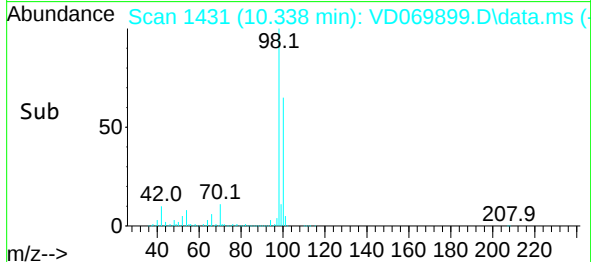
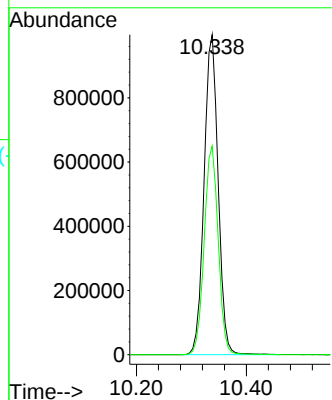
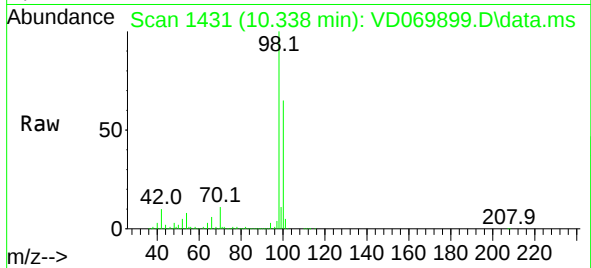




#50
Toluene-d8
Concen: 51.711 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069899.D
Acq: 28 Jul 2021 20:12

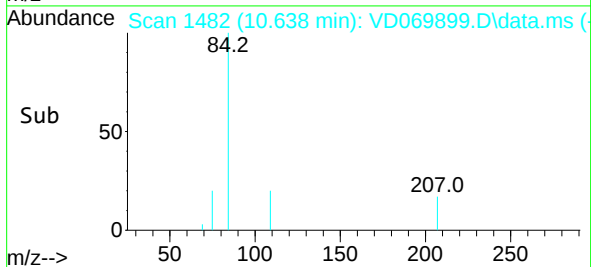
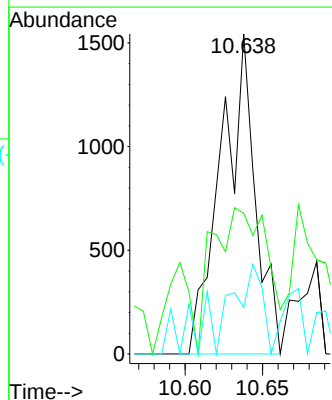
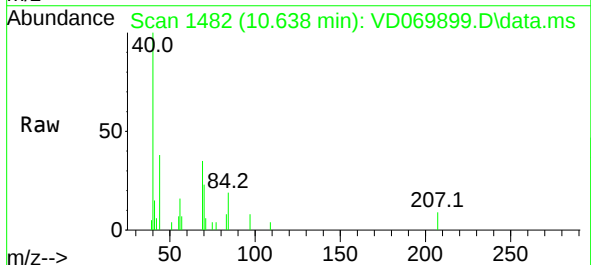
Instrument :
MSVOA_D
ClientSampleId :
20210428-14

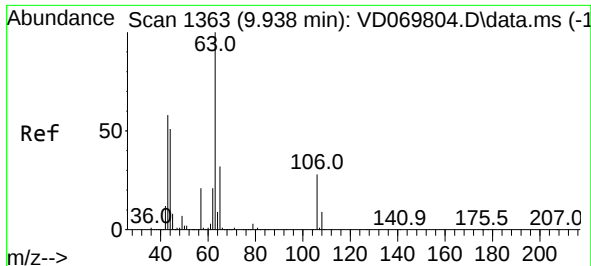
Tgt Ion: 98 Resp: 1766632
Ion Ratio Lower Upper
98 100
100 65.1 51.9 77.9



#56
Ethyl methacrylate
Concen: 4.116 ug/l
RT: 10.638 min Scan# 1482
Delta R.T. -0.017 min
Lab File: VD069899.D
Acq: 28 Jul 2021 20:12

Tgt Ion: 69 Resp: 2367
Ion Ratio Lower Upper
69 100
41 73.3 50.2 75.2
39 27.7 22.0 33.0

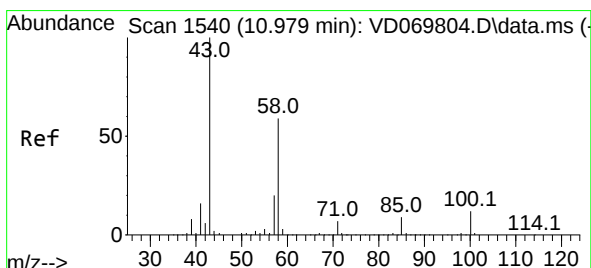
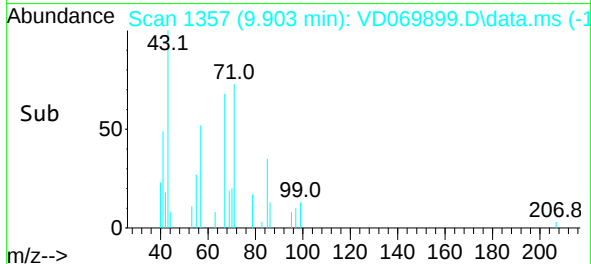
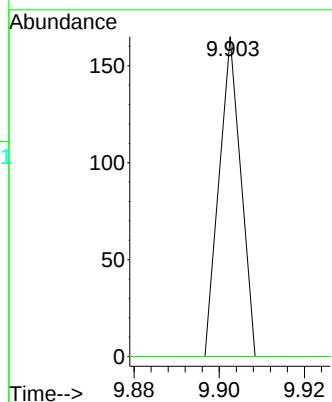
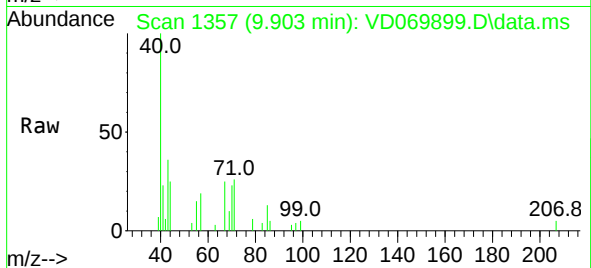




#58
2-Chloroethyl Vinyl ether
Concen: 20.882 ug/l
RT: 9.903 min Scan# 1357
Delta R.T. -0.035 min
Lab File: VD069899.D
Acq: 28 Jul 2021 20:12

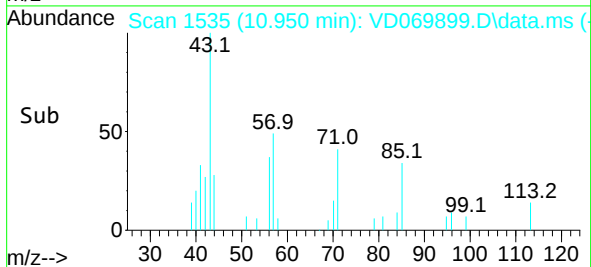
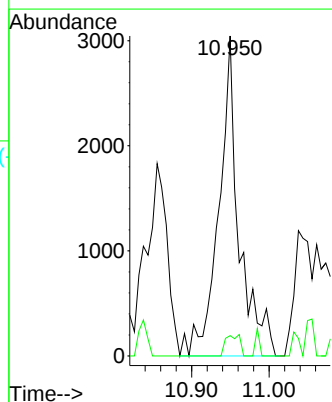
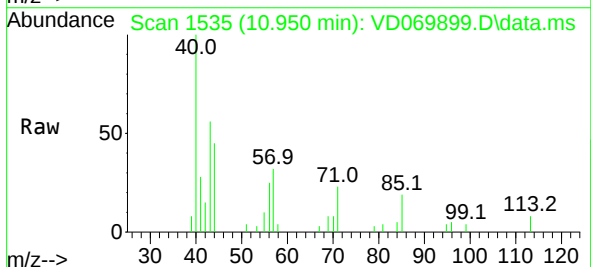
Instrument :
MSVOA_D
ClientSampleId :
20210428-14

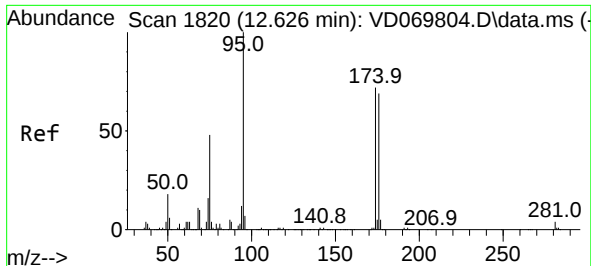
Tgt Ion: 63 Resp: 58
Ion Ratio Lower Upper
63 100
106 0.0 21.8 32.6#



#59
2-Hexanone
Concen: 1.625 ug/l
RT: 10.950 min Scan# 1535
Delta R.T. -0.029 min
Lab File: VD069899.D
Acq: 28 Jul 2021 20:12

Tgt Ion: 43 Resp: 5539
Ion Ratio Lower Upper
43 100
58 4.7 29.4 88.3#

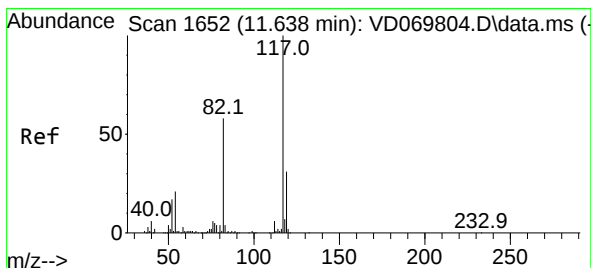
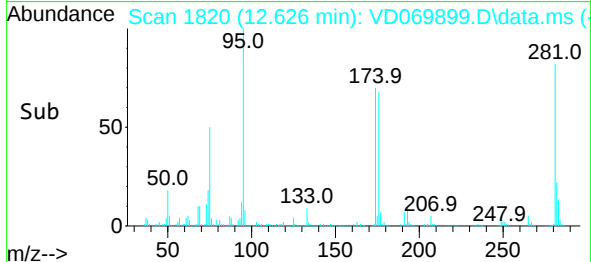
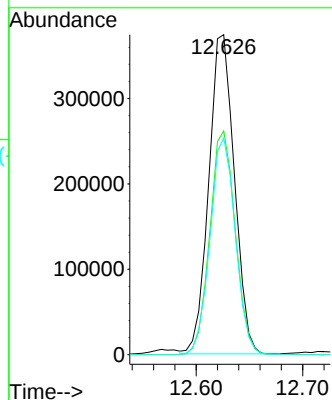
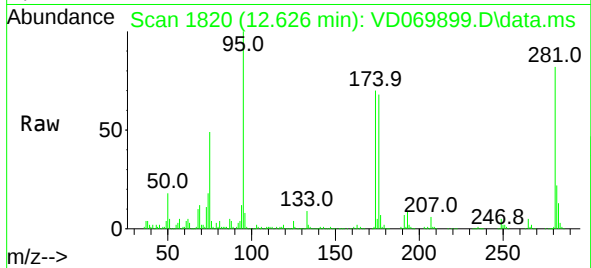




#62
4-Bromofluorobenzene
Concen: 54.611 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069899.D
Acq: 28 Jul 2021 20:12

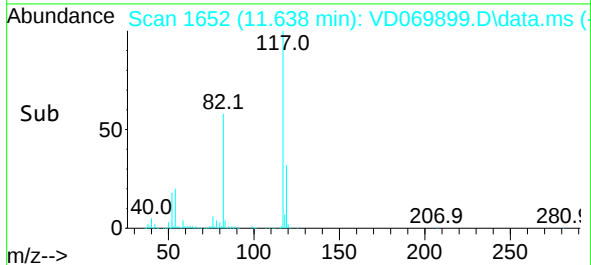
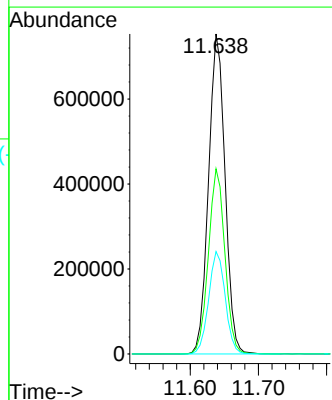
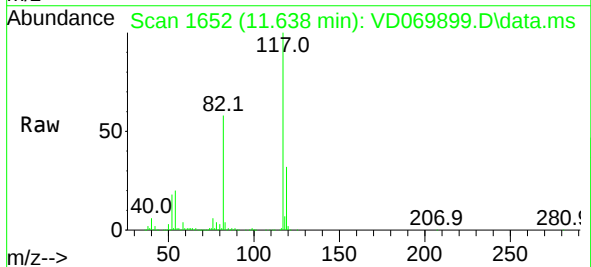
Instrument :
MSVOA_D
ClientSampleId :
20210428-14

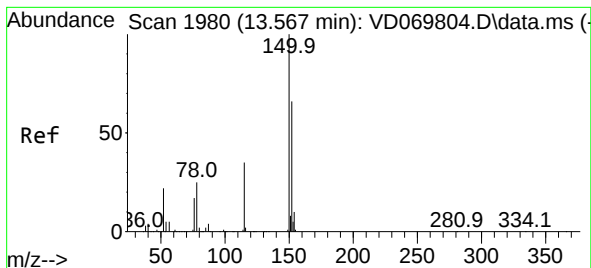
Tgt Ion: 95 Resp: 623529
Ion Ratio Lower Upper
95 100
174 69.7 0.0 142.6
176 67.0 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069899.D
Acq: 28 Jul 2021 20:12

Tgt Ion: 117 Resp: 1268466
Ion Ratio Lower Upper
117 100
82 57.9 46.3 69.5
119 32.0 24.7 37.1

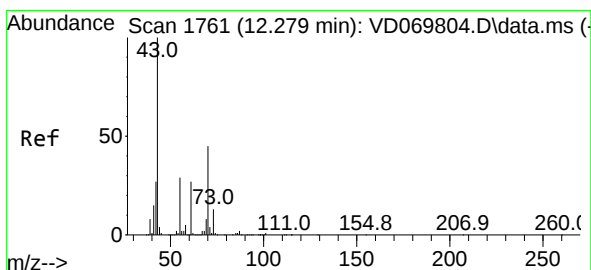
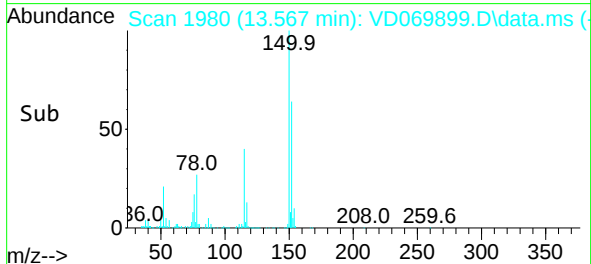
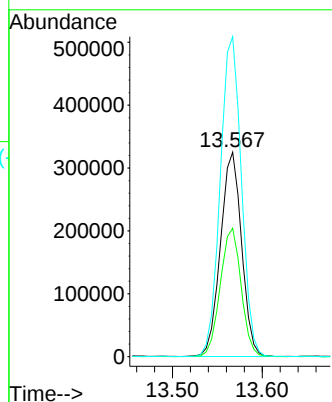
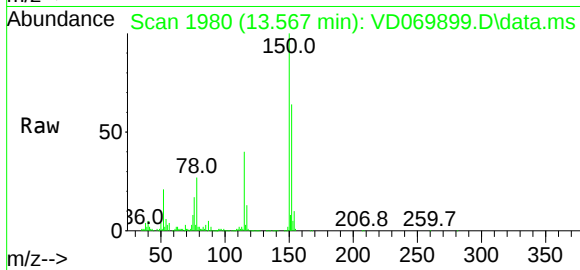




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069899.D
Acq: 28 Jul 2021 20:12

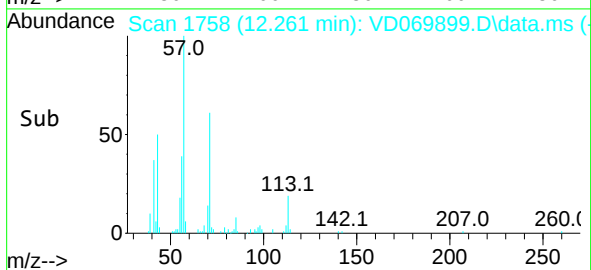
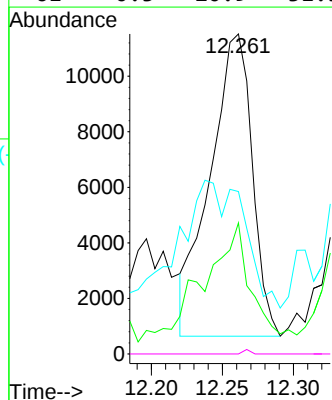
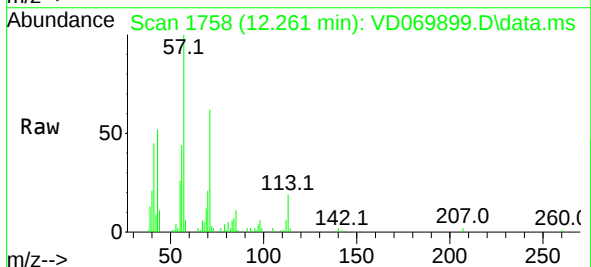
Instrument :
MSVOA_D
ClientSampleId :
20210428-14

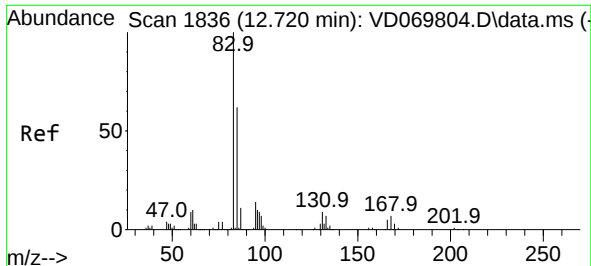
Tgt Ion:152 Resp: 531173
Ion Ratio Lower Upper
152 100
115 62.3 31.1 93.3
150 156.7 0.0 343.0



#74
N-ethyl acetate
Concen: 2.860 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.018 min
Lab File: VD069899.D
Acq: 28 Jul 2021 20:12

Tgt Ion: 43 Resp: 22451
Ion Ratio Lower Upper
43 100
70 44.7 37.9 56.9
55 0.0 23.7 35.5#
61 0.3 20.9 31.3#

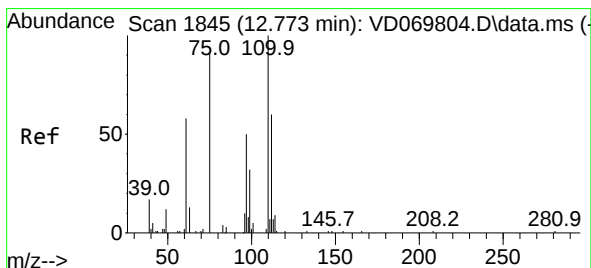
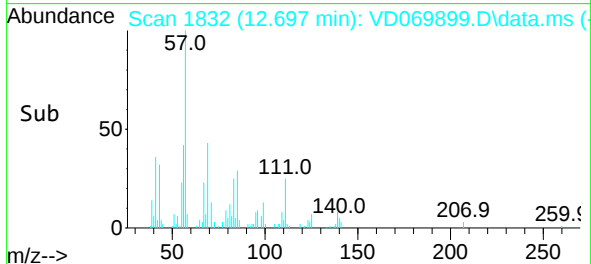
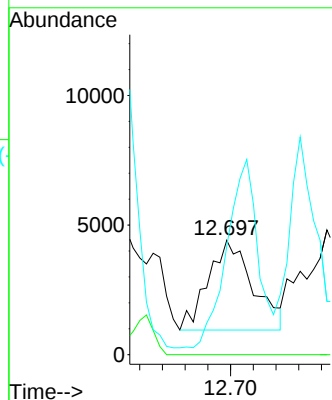
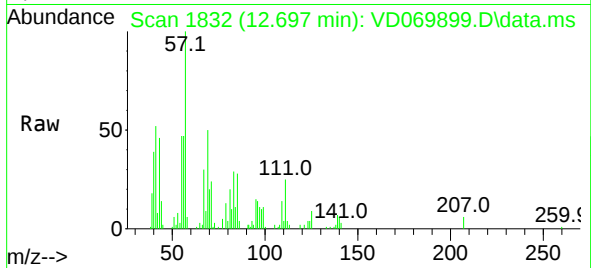




#75
1,1,2,2-Tetrachloroethane
Concen: 1.242 ug/l
RT: 12.697 min Scan# 1832
Delta R.T. -0.024 min
Lab File: VD069899.D
Acq: 28 Jul 2021 20:12

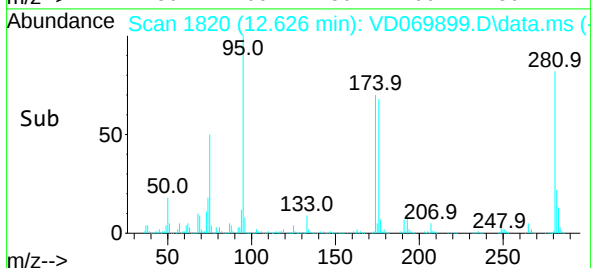
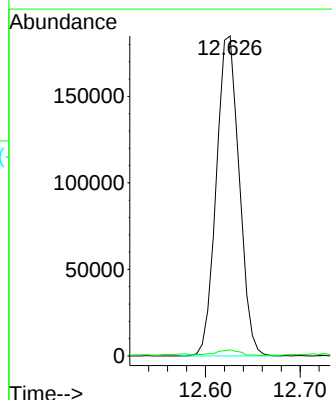
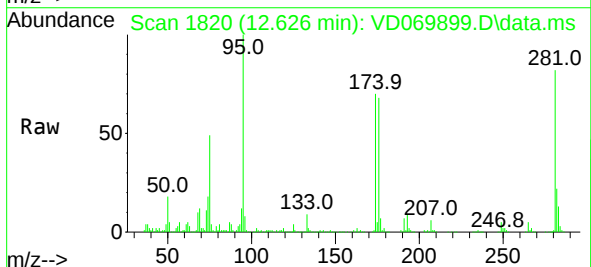
Instrument :
MSVOA_D
ClientSampleId :
20210428-14

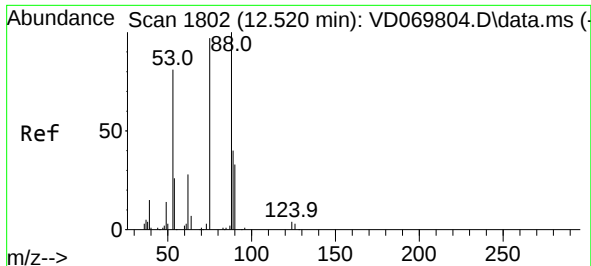
Tgt Ion: 83 Resp: 9463
Ion Ratio Lower Upper
83 100
131 0.0 4.9 14.6#
85 146.5 31.8 95.4#



#76
1,2,3-Trichloropropane
Concen: 55.063 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069899.D
Acq: 28 Jul 2021 20:12

Tgt Ion: 75 Resp: 310886
Ion Ratio Lower Upper
75 100
77 1.7 181.5 544.5#

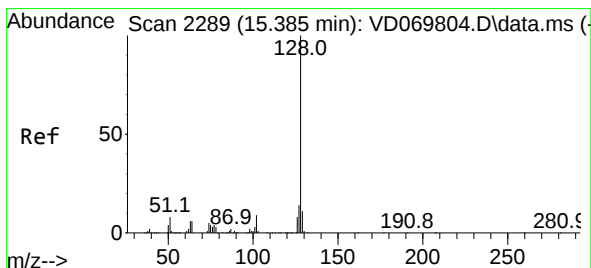
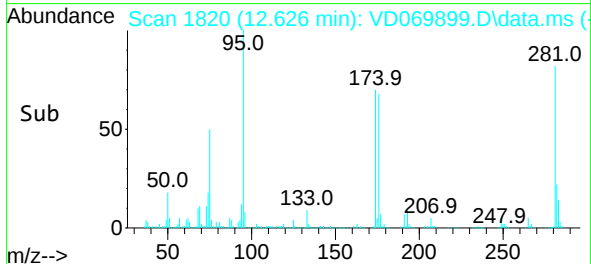
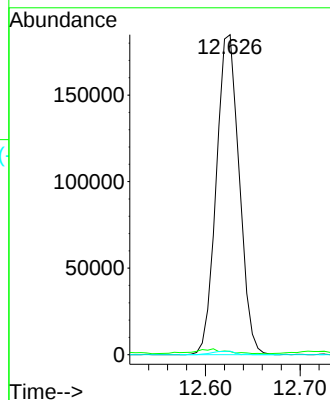
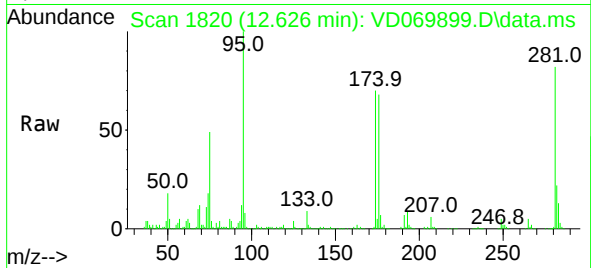




#81
trans-1,4-Dichloro-2-butene
Concen: 167.047 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069899.D
Acq: 28 Jul 2021 20:12

Instrument :
MSVOA_D
ClientSampleId :
20210428-14

Tgt Ion: 75 Resp: 310886
Ion Ratio Lower Upper
75 100
53 2.1 67.2 100.8#
89 1.1 35.8 53.6#



#95
Naphthalene
Concen: 5.151 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD069899.D
Acq: 28 Jul 2021 20:12

Tgt Ion: 128 Resp: 2932
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 4.0 8.6 12.8#

