

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072821\
 Data File : VD069895.D
 Acq On : 28 Jul 2021 18:17
 Operator : VA/SY
 Sample : M3206-03
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20210590-AMENDED-COM-4

Quant Time: Jul 29 04:01:57 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)

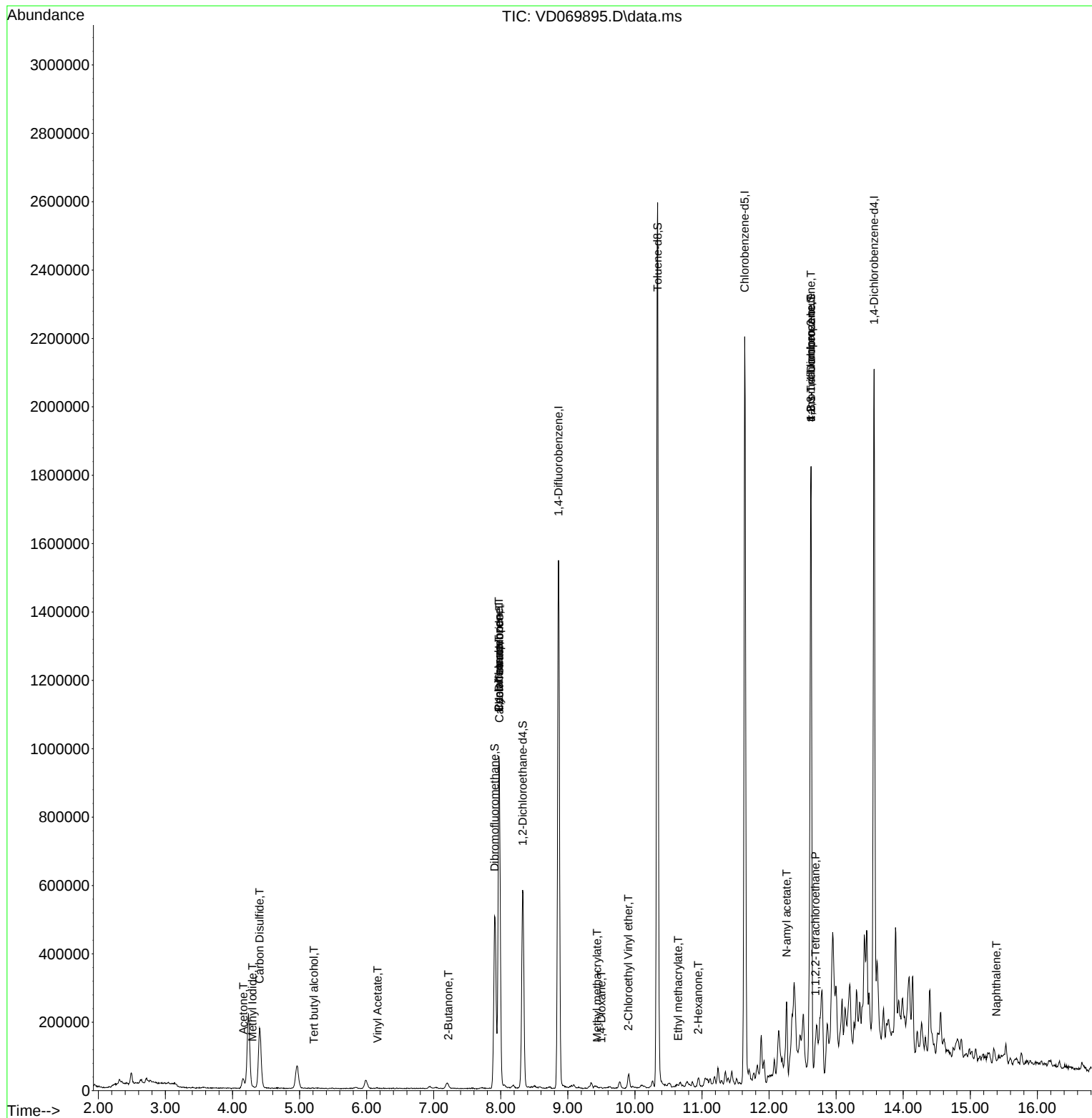
Internal Standards						
1) Pentafluorobenzene	7.973	168	681703	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1328238	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1264501	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	523656	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	461302	58.838	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.680%			
35) Dibromofluoromethane	7.908	113	386060	46.107	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 92.220%			
50) Toluene-d8	10.338	98	1729457	53.566	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.140%			
62) 4-Bromofluorobenzene	12.626	95	596268	55.260	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 110.520%			
Target Compounds					Qvalue	
5) Bromomethane	2.773	94	2865	Below Cal	#	52
10) Methyl Iodide	4.297	142	1190	3.593	ug/l #	70
11) Tert butyl alcohol	5.214	59	495	1.220	ug/l #	73
16) Acetone	4.161	43	49759	35.133	ug/l	91
17) Carbon Disulfide	4.403	76	386925	13.874	ug/l	99
20) Methylene Chloride	4.956	84	53204	Below Cal	#	83
23) Vinyl Acetate	6.161	43	115	20.357	ug/l #	71
25) 2-Butanone	7.220	43	11539	6.008	ug/l	94
31) Cyclohexane	7.973	56	18923	1.235	ug/l #	33
36) 1,1-Dichloropropene	7.973	75	62551	4.364	ug/l #	49
38) Carbon Tetrachloride	7.979	117	74277	5.673	ug/l #	17
48) Methyl methacrylate	9.438	41	765	2.892	ug/l #	16
49) 1,4-Dioxane	9.502	88	61	1.077	ug/l #	21
56) Ethyl methacrylate	10.643	69	3005	4.192	ug/l #	50
58) 2-Chloroethyl Vinyl ether	9.902	63	69	20.885	ug/l #	48
59) 2-Hexanone	10.943	43	10956	3.401	ug/l #	25
74) N-amyl acetate	12.261	43	46727	6.038	ug/l #	65
75) 1,1,2,2-Tetrachloroethane	12.690	83	8906	1.185	ug/l #	26
76) 1,2,3-Trichloropropane	12.626	75	293220	52.680	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	293220	159.817	ug/l #	16
95) Naphthalene	15.390	128	4762	5.249	ug/l #	70

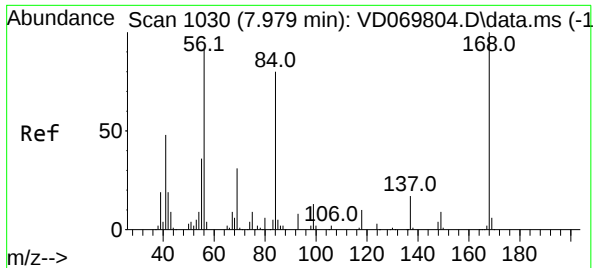
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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20210590-AMENDED-COM-4

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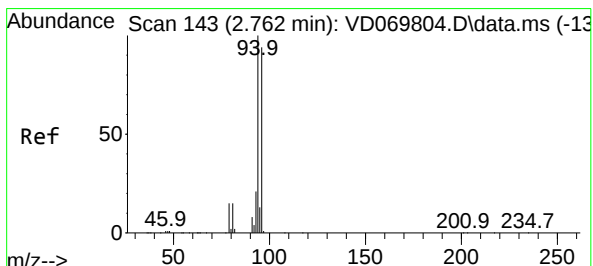
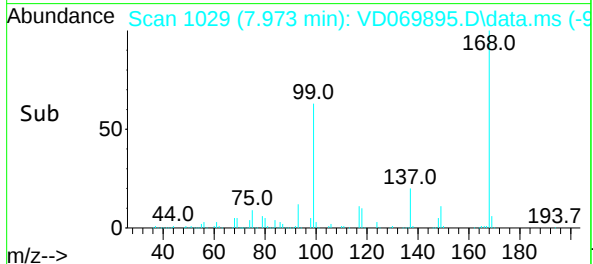
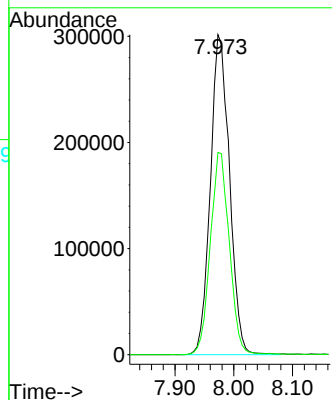
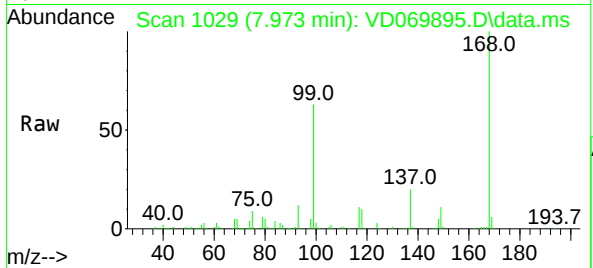




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD069895.D
Acq: 28 Jul 2021 18:17

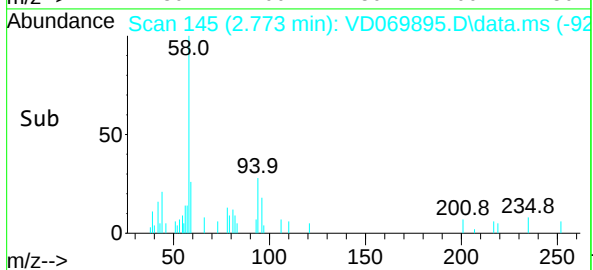
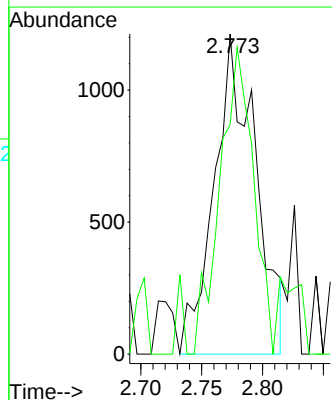
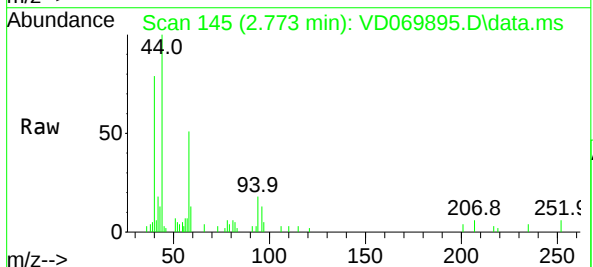
Instrument :
MSVOA_D
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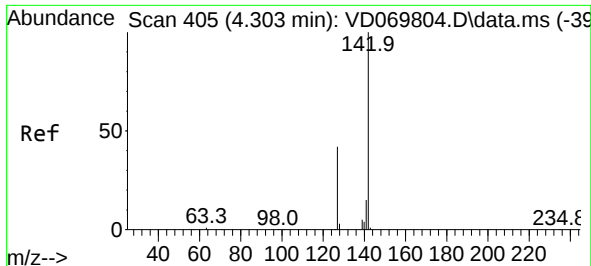
Tgt Ion:168 Resp: 681703
Ion Ratio Lower Upper
168 100
99 63.2 51.1 76.7



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD069895.D
Acq: 28 Jul 2021 18:17

Tgt Ion: 94 Resp: 2865
Ion Ratio Lower Upper
94 100
96 47.7 74.8 112.2#

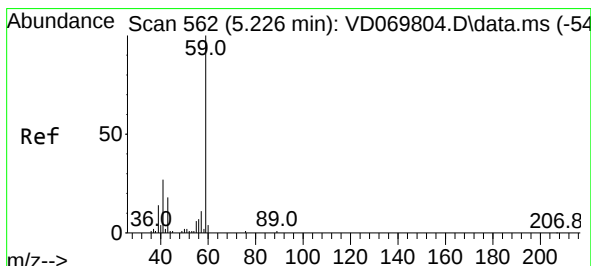
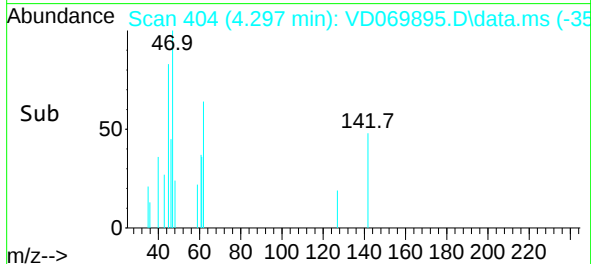
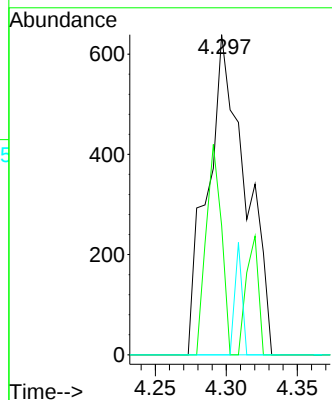
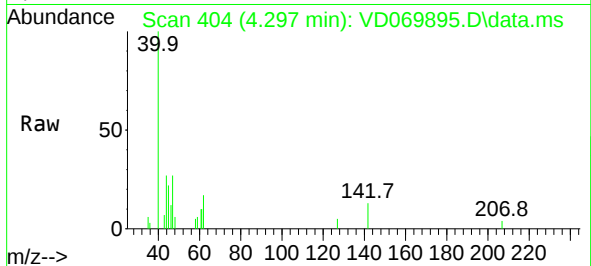




#10
Methyl Iodide
Concen: 3.593 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD069895.D
Acq: 28 Jul 2021 18:17

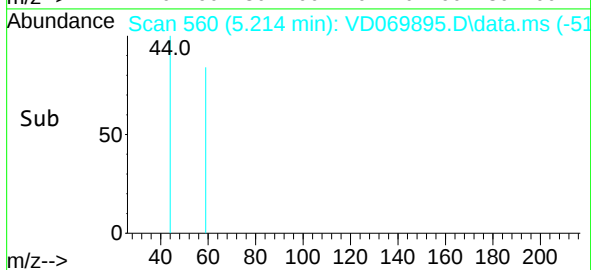
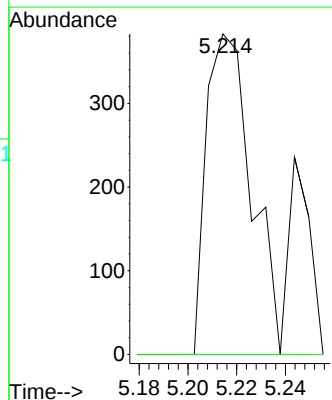
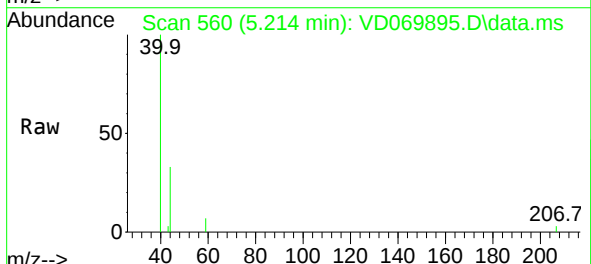
Instrument :
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ClientSampleId :
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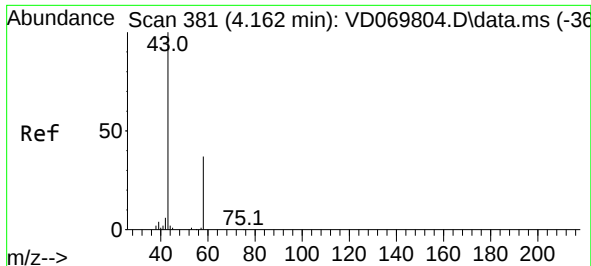
Tgt Ion:142 Resp: 1190
Ion Ratio Lower Upper
142 100
127 26.7 35.7 53.5#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: 1.220 ug/l
RT: 5.214 min Scan# 560
Delta R.T. -0.012 min
Lab File: VD069895.D
Acq: 28 Jul 2021 18:17

Tgt Ion: 59 Resp: 495
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

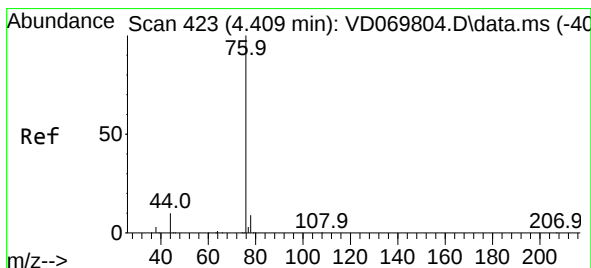
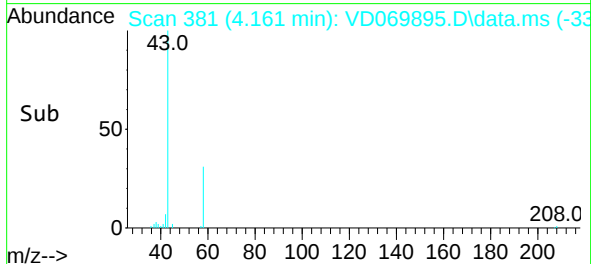
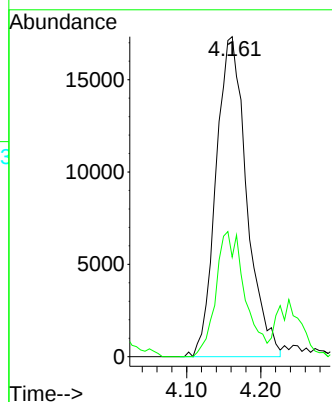
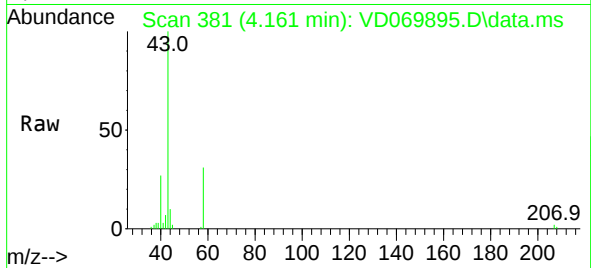




#16
Acetone
Concen: 35.133 ug/l
RT: 4.161 min Scan# 381
Delta R.T. -0.000 min
Lab File: VD069895.D
Acq: 28 Jul 2021 18:17

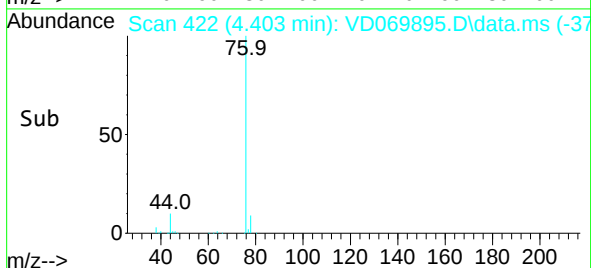
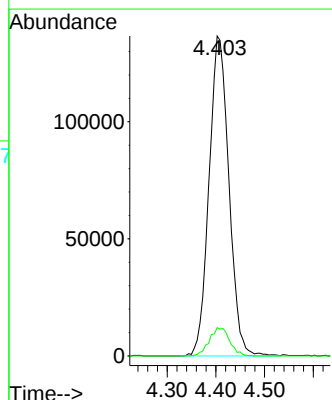
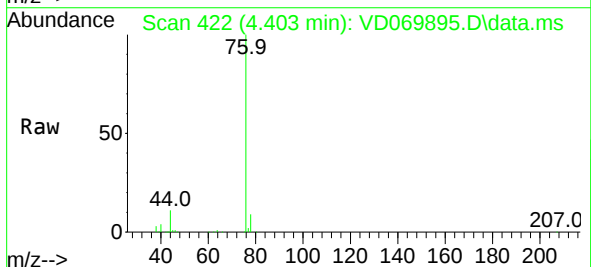
Instrument :
MSVOA_D
ClientSampleId :
20210590-AMENDED-COM-4

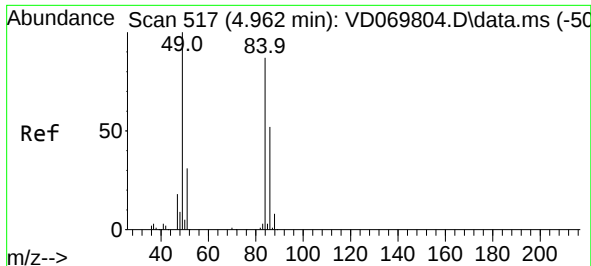
Tgt Ion: 43 Resp: 49759
Ion Ratio Lower Upper
43 100
58 31.1 29.4 44.0



#17
Carbon Disulfide
Concen: 13.874 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.006 min
Lab File: VD069895.D
Acq: 28 Jul 2021 18:17

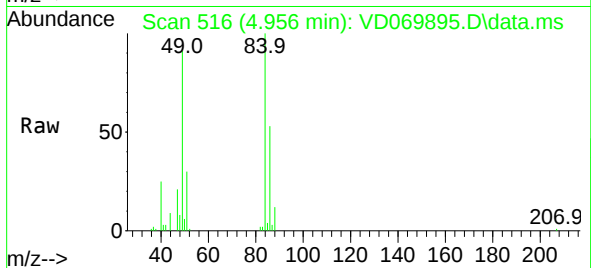
Tgt Ion: 76 Resp: 386925
Ion Ratio Lower Upper
76 100
78 8.9 7.3 10.9



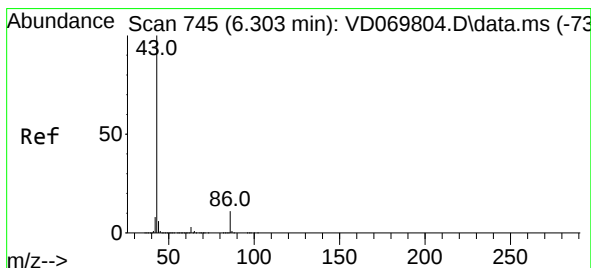
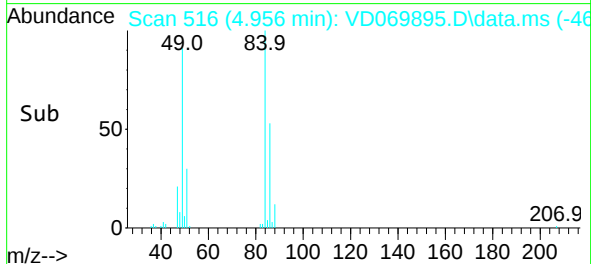
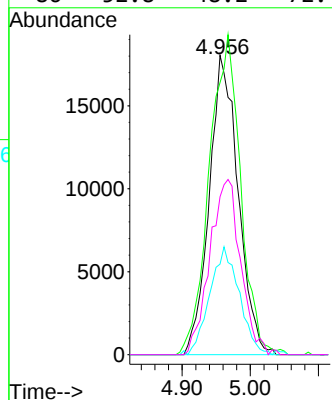


#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD069895.D
Acq: 28 Jul 2021 18:17

Instrument :
MSVOA_D
ClientSampleId :
20210590-AMENDED-COM-4

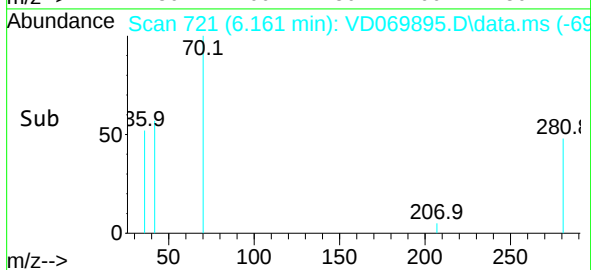
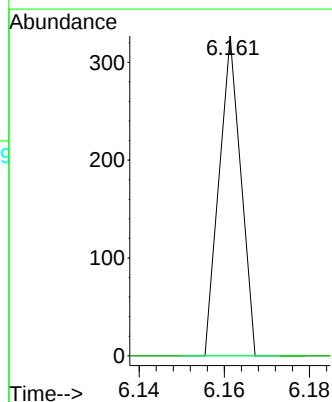
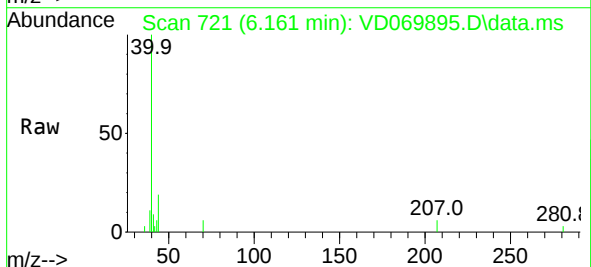


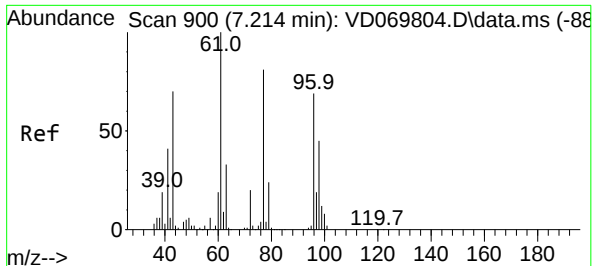
Tgt Ion:	84	Resp:	53204
Ion	Ratio	Lower	Upper
84	100		
49	90.1	92.4	138.6#
51	30.3	28.5	42.7
86	52.8	48.2	72.4



#23
Vinyl Acetate
Concen: 20.357 ug/l
RT: 6.161 min Scan# 721
Delta R.T. -0.142 min
Lab File: VD069895.D
Acq: 28 Jul 2021 18:17

Tgt Ion:	43	Resp:	115
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	13.0#

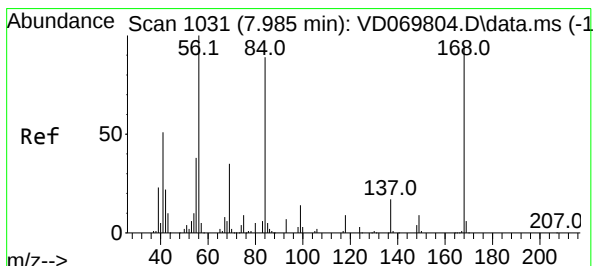
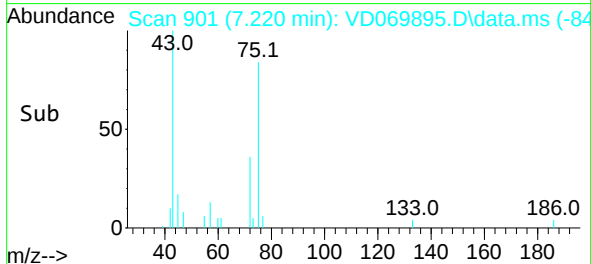
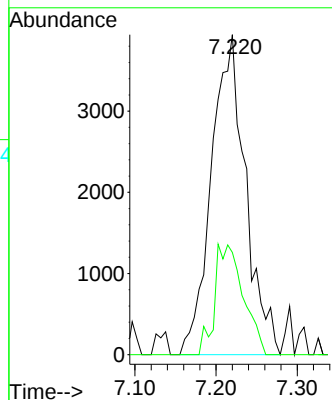
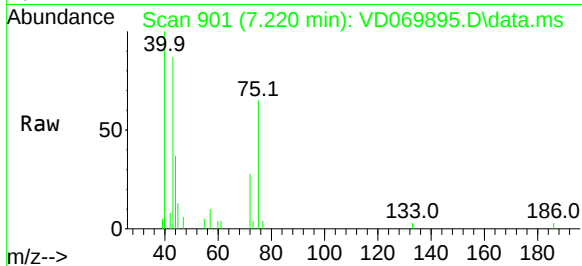




#25
2-Butanone
Concen: 6.008 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.006 min
Lab File: VD069895.D
Acq: 28 Jul 2021 18:17

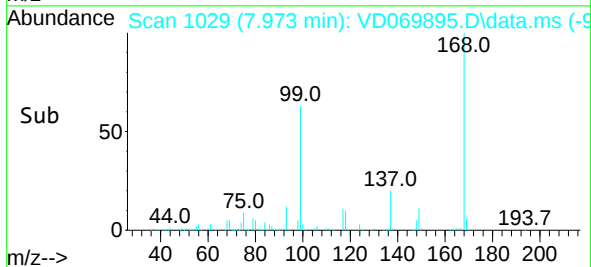
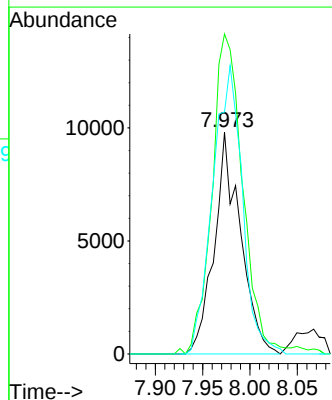
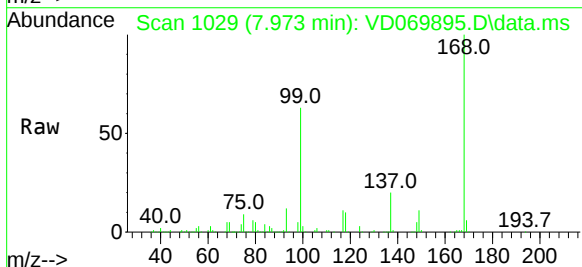
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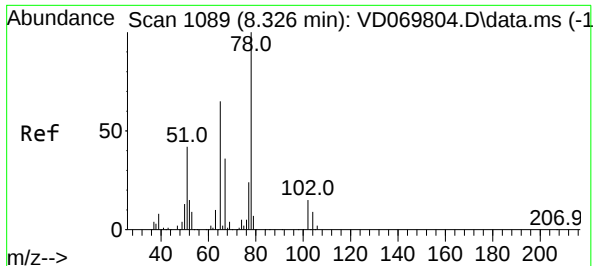
Tgt Ion: 43 Resp: 11539
Ion Ratio Lower Upper
43 100
72 31.9 22.8 34.2



#31
Cyclohexane
Concen: 1.235 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069895.D
Acq: 28 Jul 2021 18:17

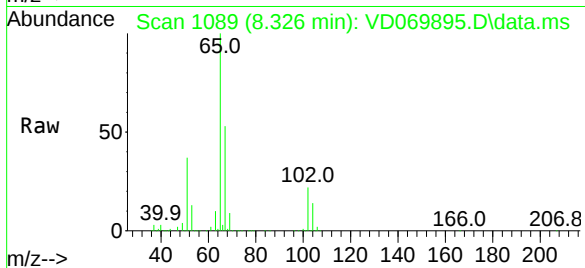
Tgt Ion: 56 Resp: 18923
Ion Ratio Lower Upper
56 100
69 141.8 27.9 41.9#
84 109.0 71.4 107.2#



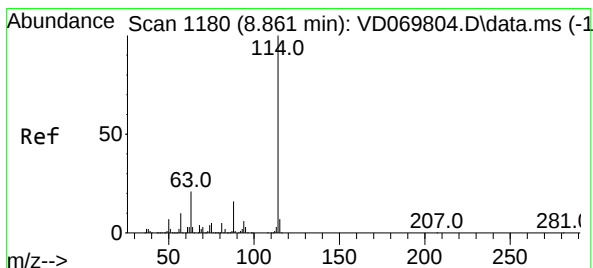
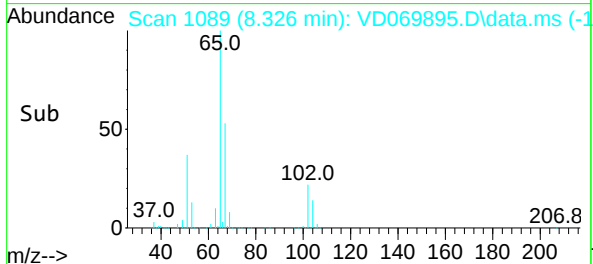
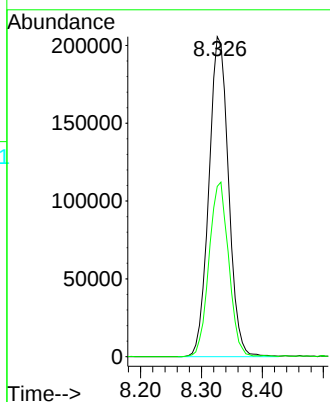


#33
1,2-Dichloroethane-d4
Concen: 58.838 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD069895.D
Acq: 28 Jul 2021 18:17

Instrument :
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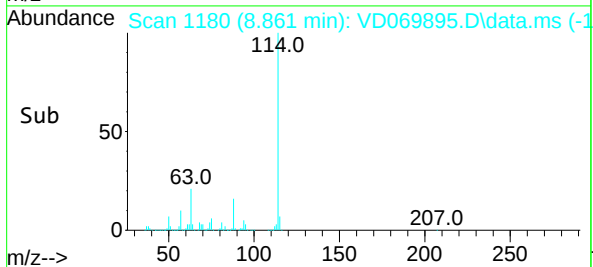
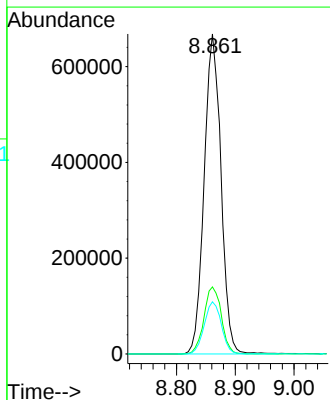
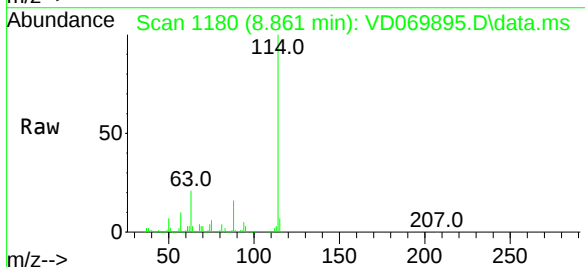


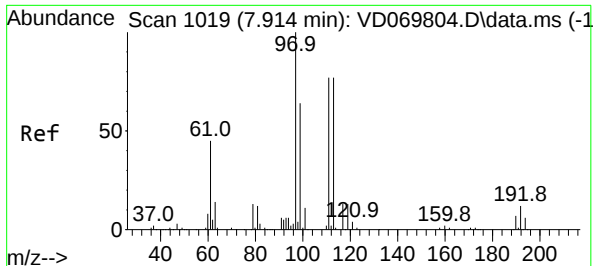
Tgt Ion: 65 Resp: 461302
Ion Ratio Lower Upper
65 100
67 54.5 0.0 111.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069895.D
Acq: 28 Jul 2021 18:17

Tgt Ion: 114 Resp: 1328238
Ion Ratio Lower Upper
114 100
63 20.9 0.0 41.6
88 16.3 0.0 31.4



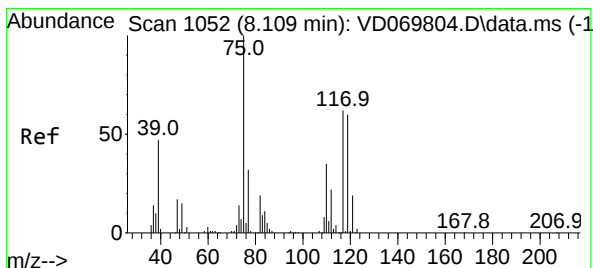
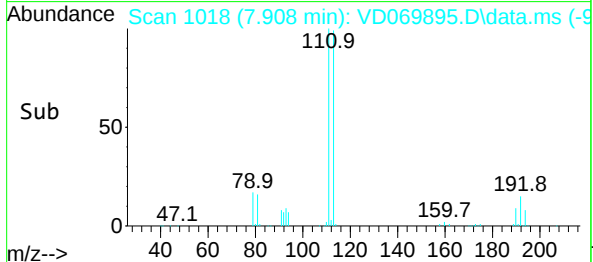
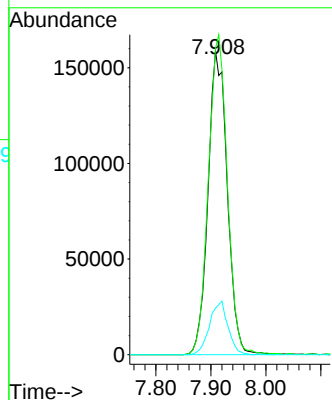
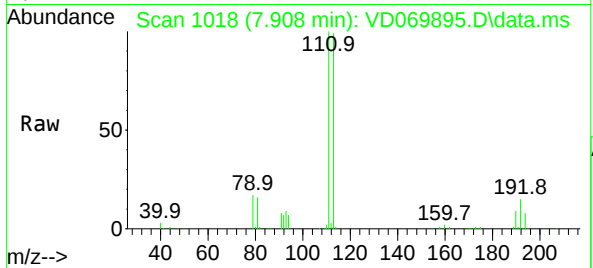


#35

Dibromofluoromethane
Concen: 46.107 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD069895.D
Acq: 28 Jul 2021 18:17

Instrument :
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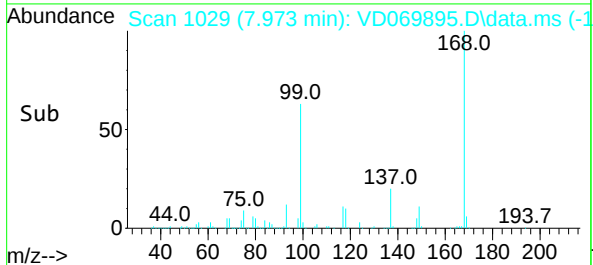
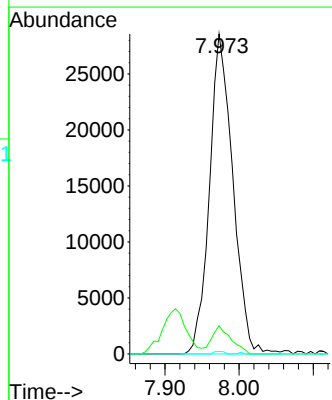
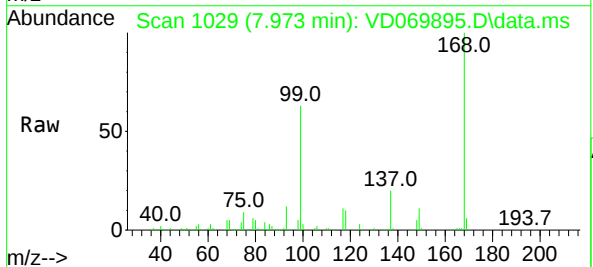
Tgt Ion:113 Resp: 386060
Ion Ratio Lower Upper
113 100
111 103.8 80.5 120.7
192 16.8 12.6 19.0

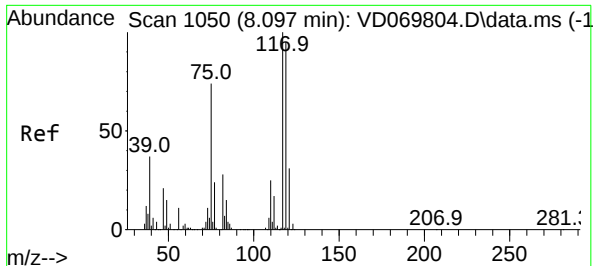


#36

1,1-Dichloropropene
Concen: 4.364 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.136 min
Lab File: VD069895.D
Acq: 28 Jul 2021 18:17

Tgt Ion: 75 Resp: 62551
Ion Ratio Lower Upper
75 100
110 7.3 16.9 50.7#
77 0.4 24.9 37.3#

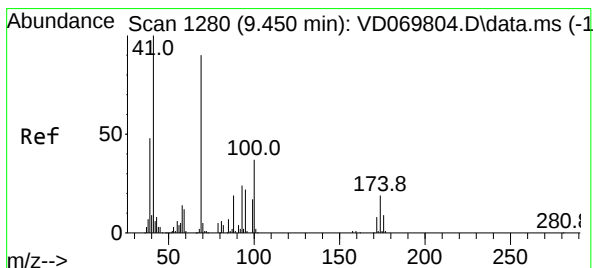
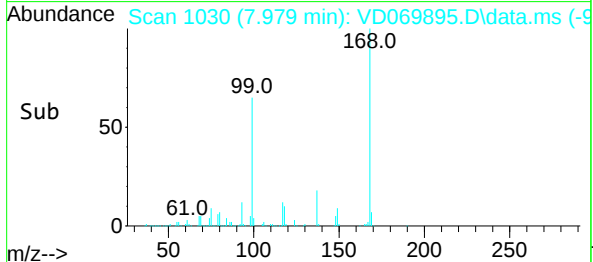
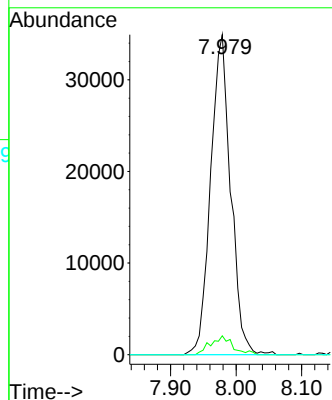
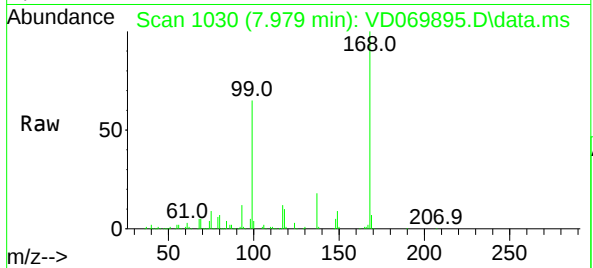




#38
Carbon Tetrachloride
Concen: 5.673 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069895.D
Acq: 28 Jul 2021 18:17

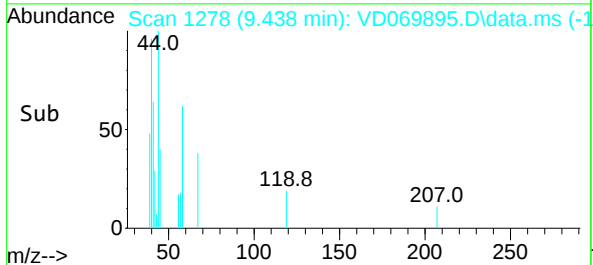
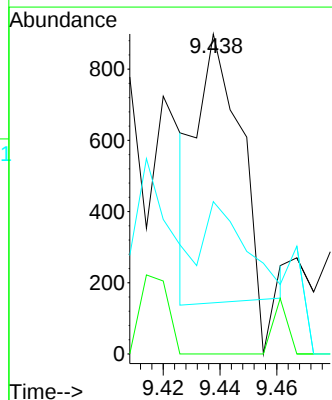
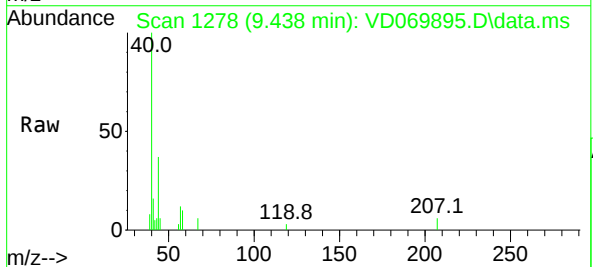
Instrument :
MSVOA_D
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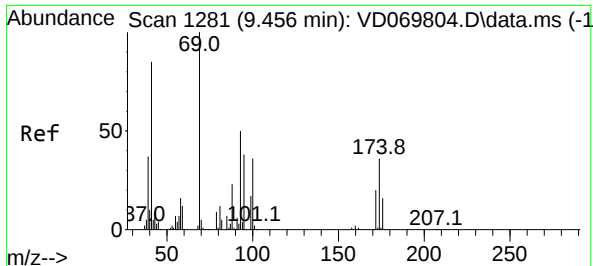
Tgt Ion:117 Resp: 74277
Ion Ratio Lower Upper
117 100
119 5.9 76.2 114.2#
121 0.0 24.5 36.7#



#48
Methyl methacrylate
Concen: 2.892 ug/l
RT: 9.438 min Scan# 1278
Delta R.T. -0.012 min
Lab File: VD069895.D
Acq: 28 Jul 2021 18:17

Tgt Ion: 41 Resp: 765
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 85.0 36.6 55.0#

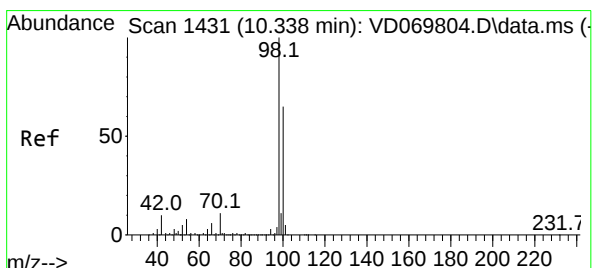
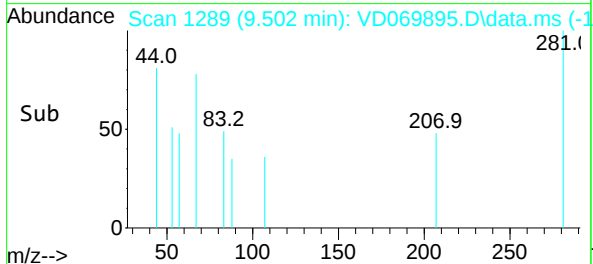
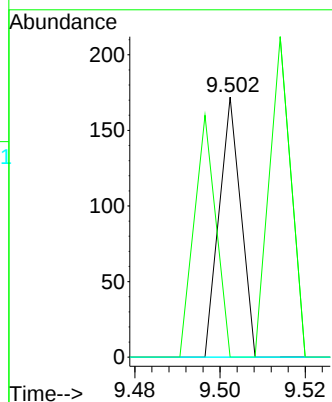
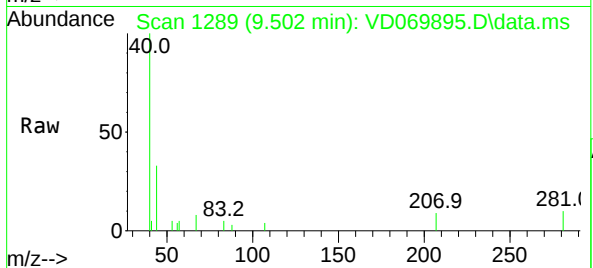




#49
1,4-Dioxane
Concen: 1.077 ug/l
RT: 9.502 min Scan# 1289
Delta R.T. 0.047 min
Lab File: VD069895.D
Acq: 28 Jul 2021 18:17

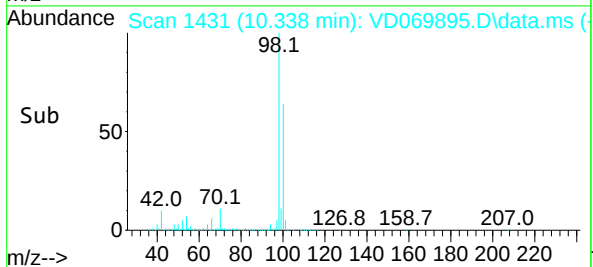
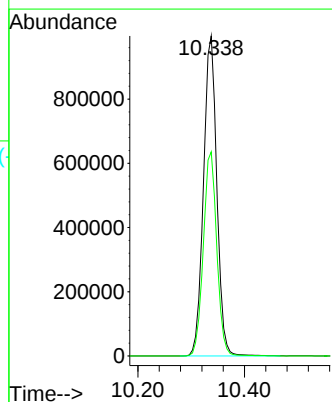
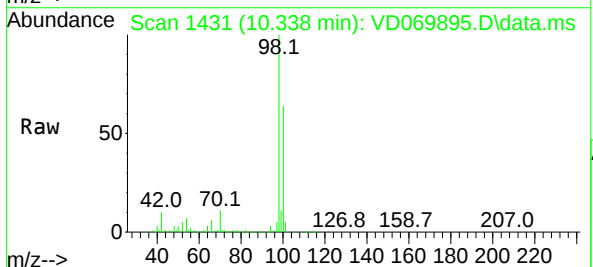
Instrument :
MSVOA_D
ClientSampleId :
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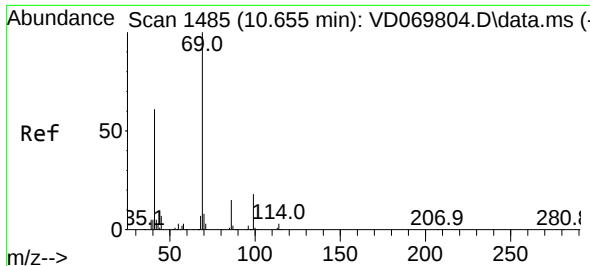
Tgt Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
43 0.0 26.8 40.2#
58 0.0 59.8 89.6#



#50
Toluene-d8
Concen: 53.566 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069895.D
Acq: 28 Jul 2021 18:17

Tgt Ion: 98 Resp: 1729457
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9

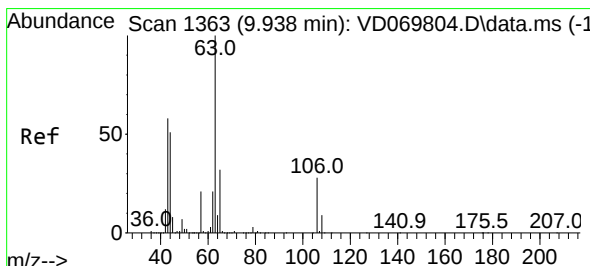
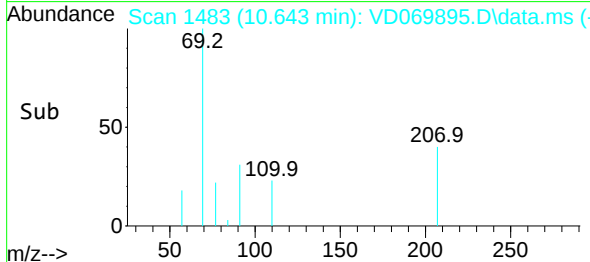
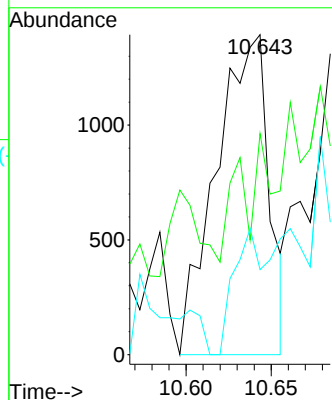
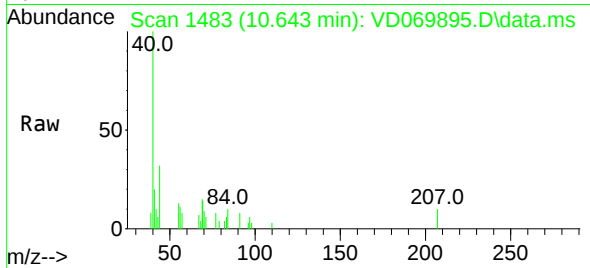




#56
Ethyl methacrylate
Concen: 4.192 ug/l
RT: 10.643 min Scan# 1483
Delta R.T. -0.012 min
Lab File: VD069895.D
Acq: 28 Jul 2021 18:17

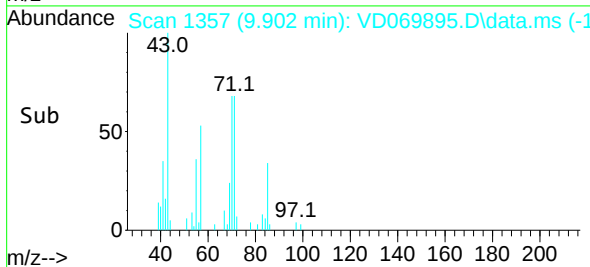
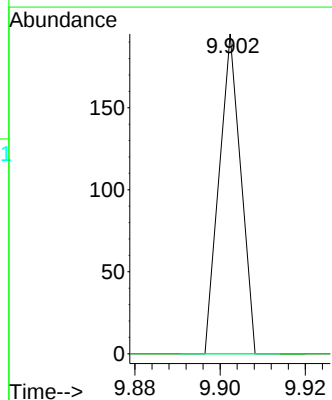
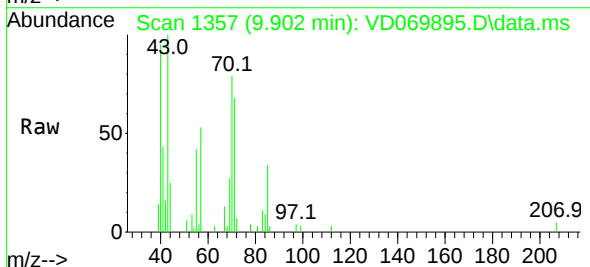
Instrument :
MSVOA_D
ClientSampleId :
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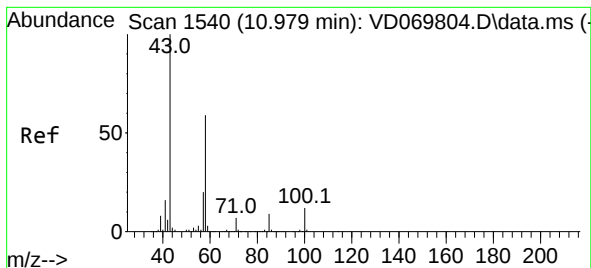
Tgt Ion: 69 Resp: 3005
Ion Ratio Lower Upper
69 100
41 12.1 50.2 75.2#
39 19.6 22.0 33.0#



#58
2-Chloroethyl Vinyl ether
Concen: 20.885 ug/l
RT: 9.902 min Scan# 1357
Delta R.T. -0.036 min
Lab File: VD069895.D
Acq: 28 Jul 2021 18:17

Tgt Ion: 63 Resp: 69
Ion Ratio Lower Upper
63 100
106 0.0 21.8 32.6#

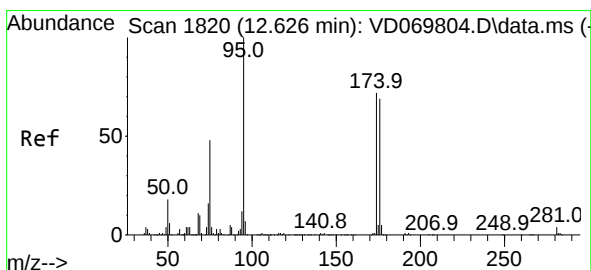
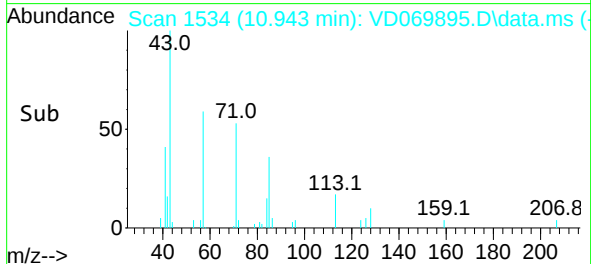
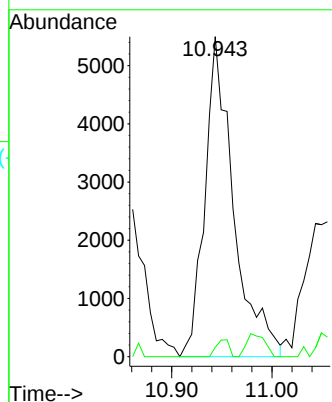
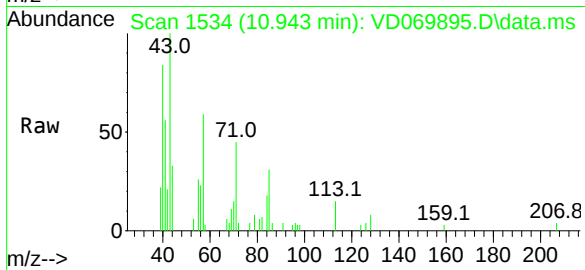




#59
2-Hexanone
Concen: 3.401 ug/l
RT: 10.943 min Scan# 1534
Delta R.T. -0.036 min
Lab File: VD069895.D
Acq: 28 Jul 2021 18:17

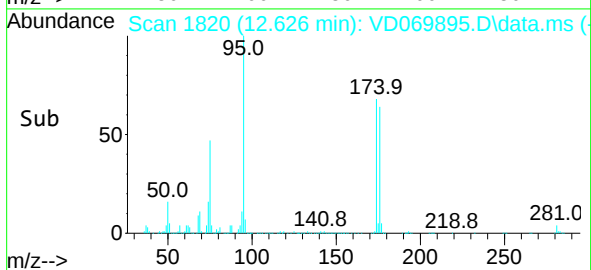
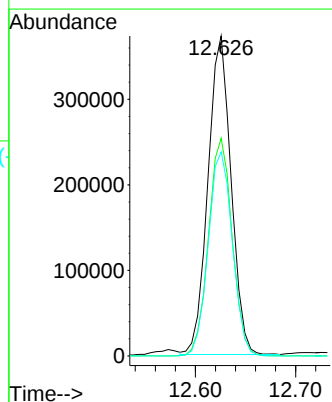
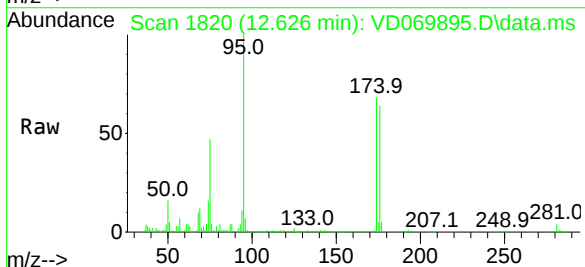
Instrument :
MSVOA_D
ClientSampleId :
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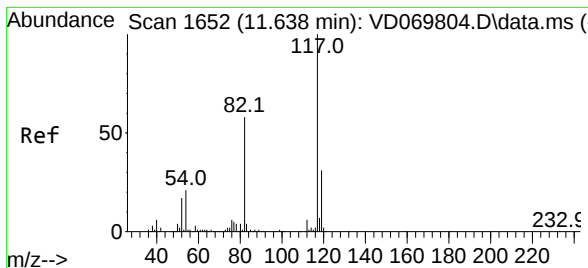
Tgt Ion: 43 Resp: 10956
Ion Ratio Lower Upper
43 100
58 2.4 29.4 88.3#



#62
4-Bromofluorobenzene
Concen: 55.260 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069895.D
Acq: 28 Jul 2021 18:17

Tgt Ion: 95 Resp: 596268
Ion Ratio Lower Upper
95 100
174 69.9 0.0 142.6
176 66.8 0.0 134.2

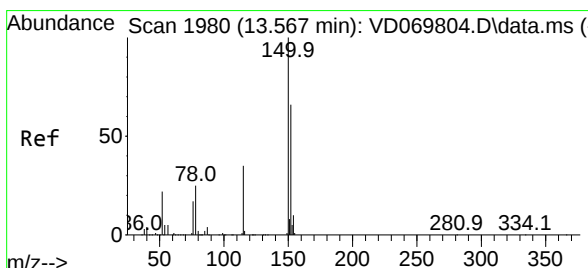
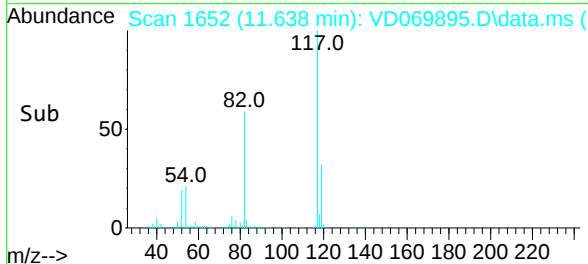
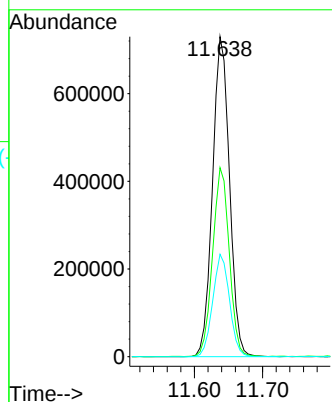
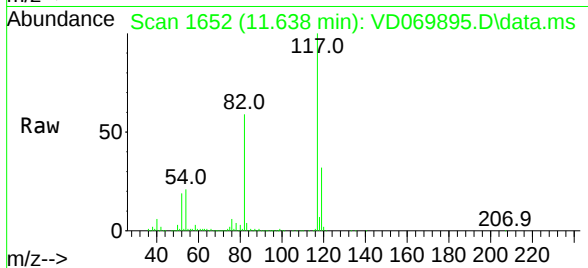




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069895.D
Acq: 28 Jul 2021 18:17

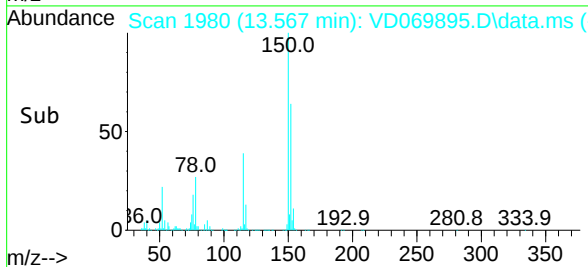
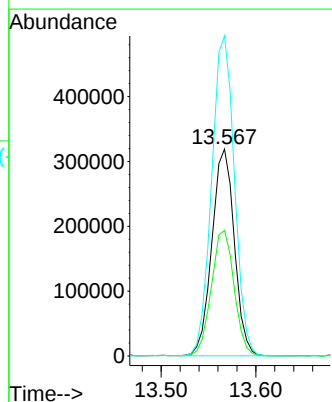
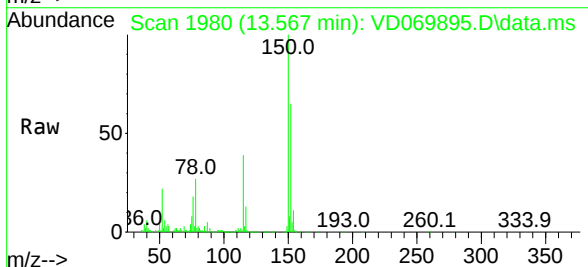
Instrument :
MSVOA_D
ClientSampleId :
20210590-AMENDED-COM-4

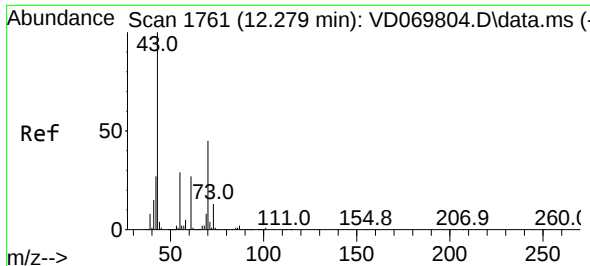
Tgt Ion:117 Resp: 1264501
Ion Ratio Lower Upper
117 100
82 59.0 46.3 69.5
119 32.0 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069895.D
Acq: 28 Jul 2021 18:17

Tgt Ion:152 Resp: 523656
Ion Ratio Lower Upper
152 100
115 61.7 31.1 93.3
150 157.5 0.0 343.0

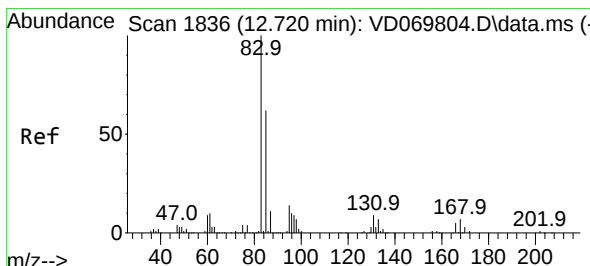
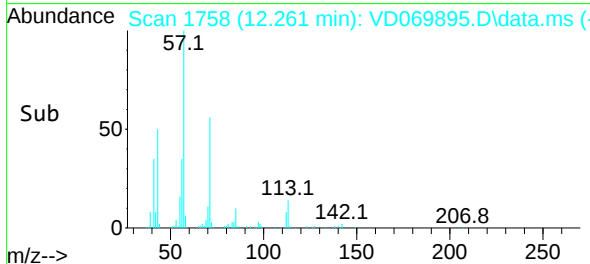
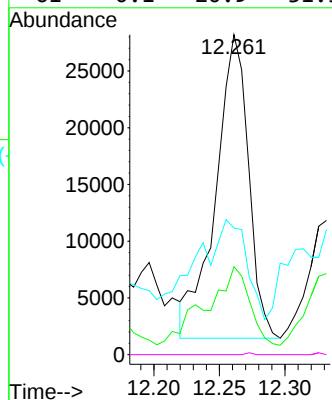
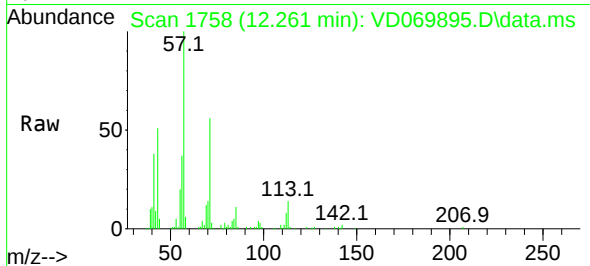




#74
N-amy1 acetate
Concen: 6.038 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.018 min
Lab File: VD069895.D
Acq: 28 Jul 2021 18:17

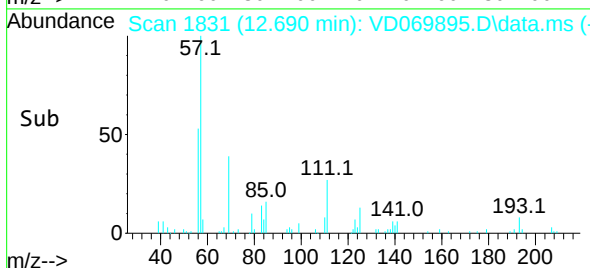
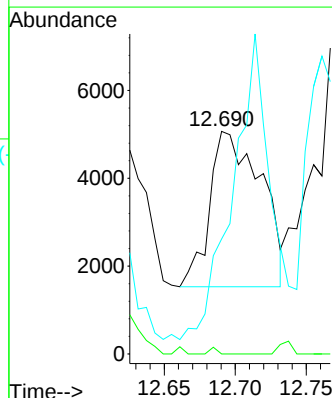
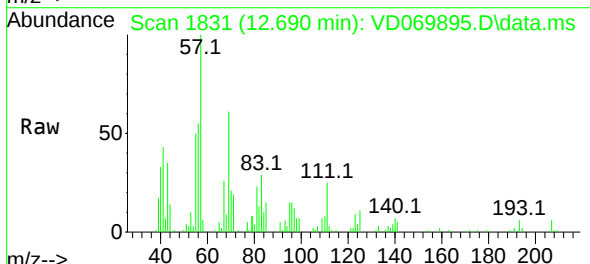
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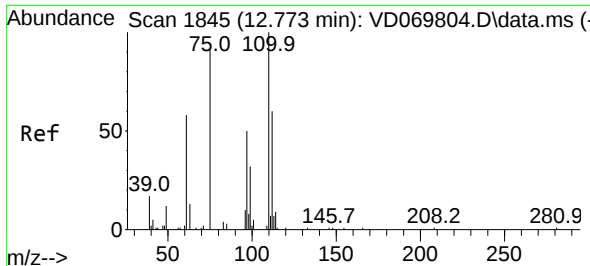
Tgt Ion: 43	Resp: 46727
Ion Ratio	Lower Upper
43	100
70	33.8 37.9 56.9#
55	52.9 23.7 35.5#
61	0.1 20.9 31.3#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.185 ug/l
RT: 12.690 min Scan# 1831
Delta R.T. -0.030 min
Lab File: VD069895.D
Acq: 28 Jul 2021 18:17

Tgt Ion: 83	Resp: 8906
Ion Ratio	Lower Upper
83	100
131	0.6 4.9 14.6#
85	0.0 31.8 95.4#

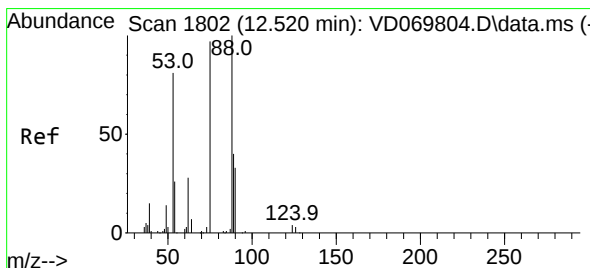
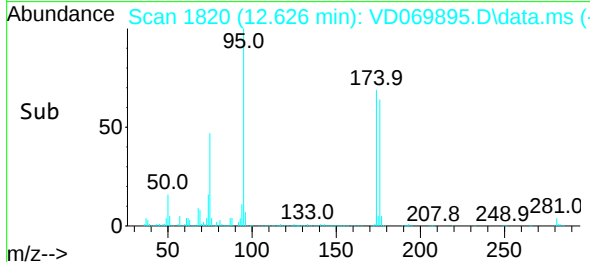
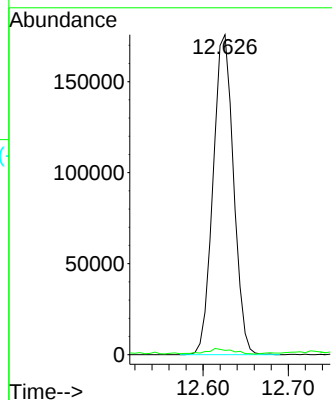
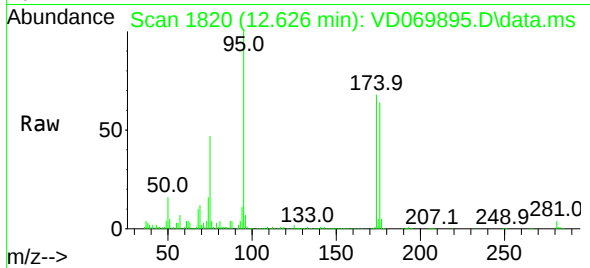




#76
1,2,3-Trichloropropane
Concen: 52.680 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069895.D
Acq: 28 Jul 2021 18:17

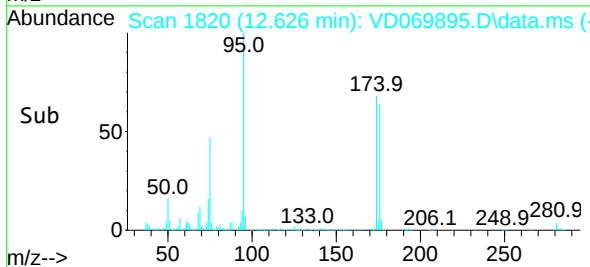
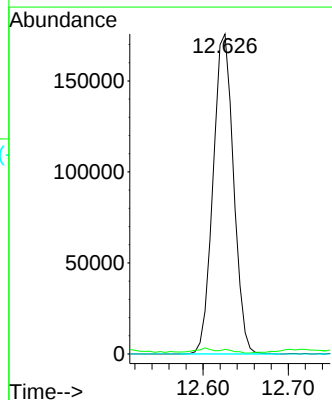
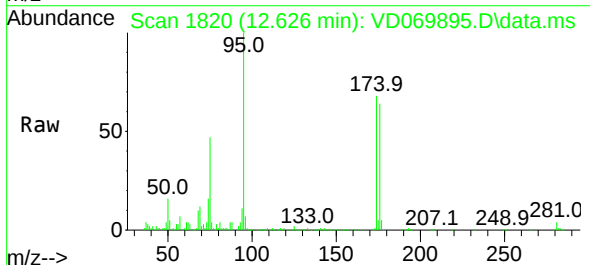
Instrument :
MSVOA_D
ClientSampleId :
20210590-AMENDED-COM-4

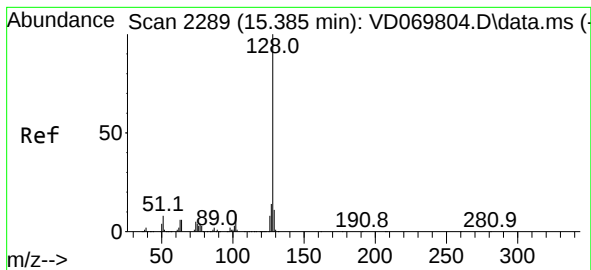
Tgt Ion: 75 Resp: 293220
Ion Ratio Lower Upper
75 100
77 2.2 181.5 544.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 159.817 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069895.D
Acq: 28 Jul 2021 18:17

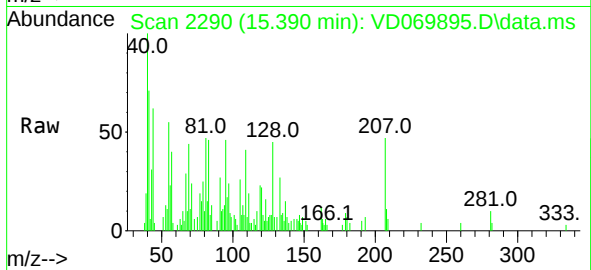
Tgt Ion: 75 Resp: 293220
Ion Ratio Lower Upper
75 100
53 0.0 67.2 100.8#
89 0.0 35.8 53.6#





#95
Naphthalene
Concen: 5.249 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.005 min
Lab File: VD069895.D
Acq: 28 Jul 2021 18:17

Instrument :
MSVOA_D
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	20.2	8.6	12.8#

