

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070621\
 Data File : VD069589.D
 Acq On : 06 Jul 2021 18:37
 Operator : VA/SY
 Sample : M2938-01
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-01-070221

Quant Time: Jul 07 04:54:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 22 04:33:24 2021
 Response via : Initial Calibration

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

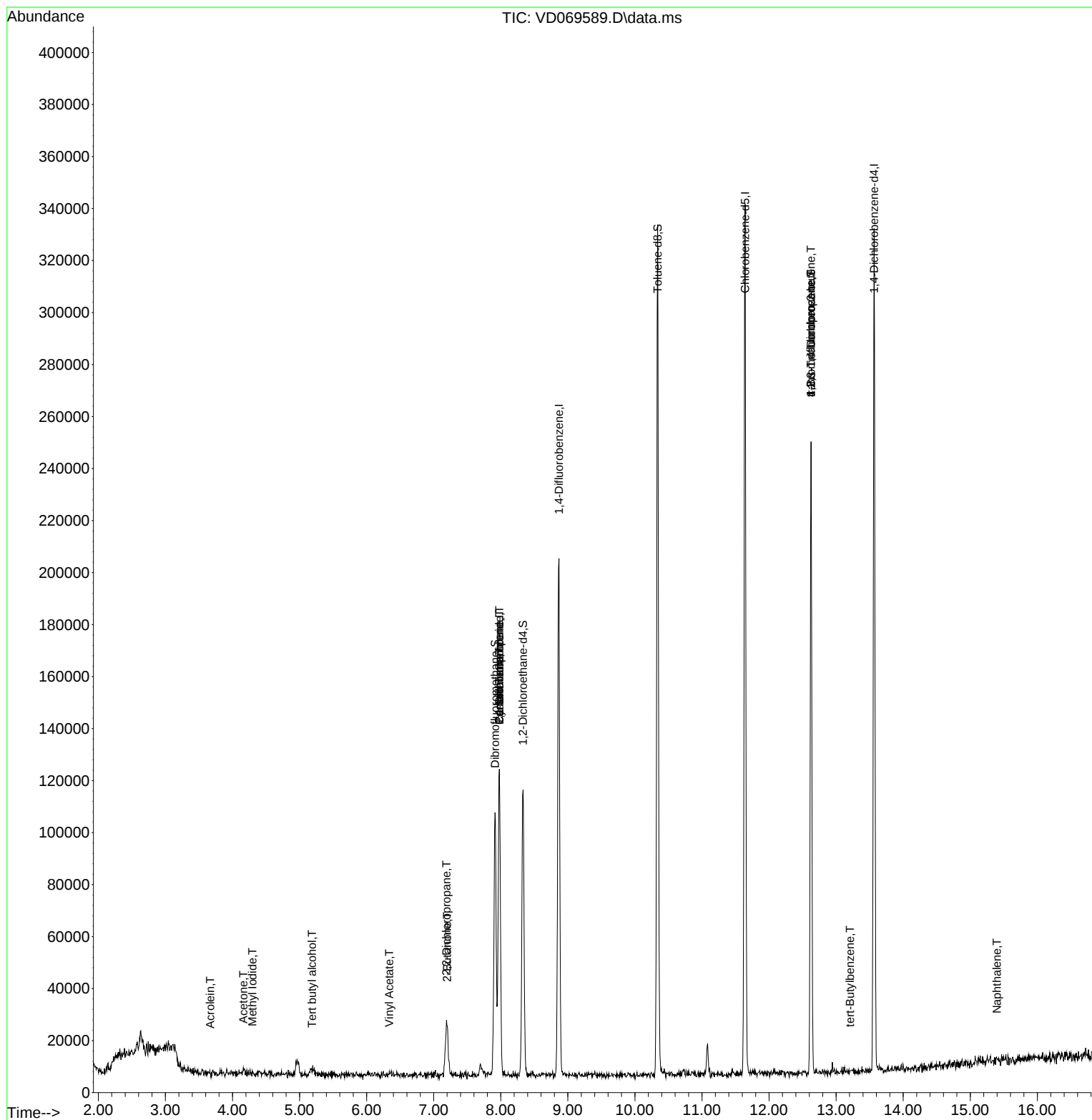
Internal Standards						
1) Pentafluorobenzene	7.979	168	83511	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	171162	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	197172	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	85054	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	88230	84.759	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 169.520%#			
35) Dibromofluoromethane	7.914	113	73318	63.368	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 126.740%			
50) Toluene-d8	10.337	98	220560	50.821	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.640%			
62) 4-Bromofluorobenzene	12.625	95	80988	56.763	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 113.520%			
Target Compounds					Qvalue	
5) Bromomethane	2.773	94	1262	Below Cal	#	71
10) Methyl Iodide	4.296	142	71	4.015	ug/l #	39
11) Tert butyl alcohol	5.185	59	2430	1.114	ug/l #	83
13) Acrolein	3.667	56	77	1.329	ug/l #	15
16) Acetone	4.161	43	3092	17.648	ug/l #	65
18) Methyl Acetate	4.608	43	65	Below Cal	#	49
20) Methylene Chloride	4.967	84	5611	Below Cal	#	75
23) Vinyl Acetate	6.338	43	66	19.052	ug/l #	70
25) 2-Butanone	7.202	43	1135	5.098	ug/l #	44
26) 2,2-Dichloropropane	7.190	77	1752	1.161	ug/l #	53
31) Cyclohexane	7.979	56	2031	1.449	ug/l #	7
36) 1,1-Dichloropropene	7.979	75	7350	4.375	ug/l #	49
38) Carbon Tetrachloride	7.979	117	9001	5.414	ug/l #	19
76) 1,2,3-Trichloropropane	12.625	75	43485	52.083	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.625	75	43485	130.045	ug/l #	12
83) tert-Butylbenzene	13.208	119	79	2.009	ug/l #	27
95) Naphthalene	15.396	128	470	3.520	ug/l #	80

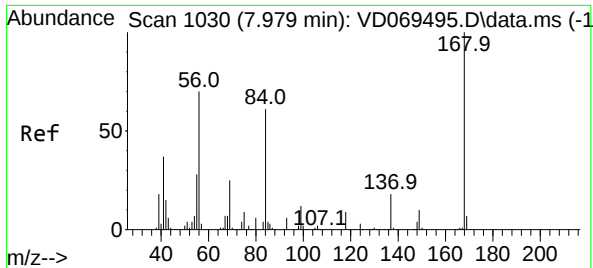
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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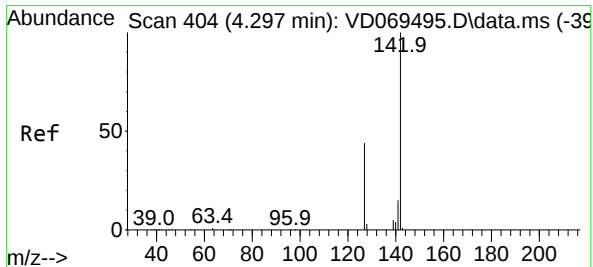
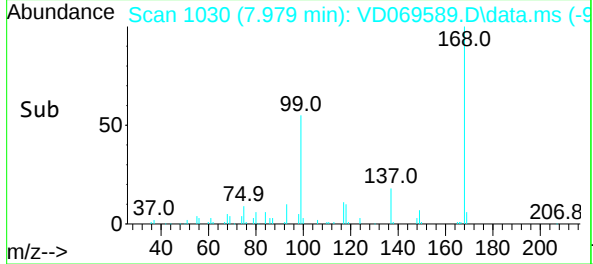
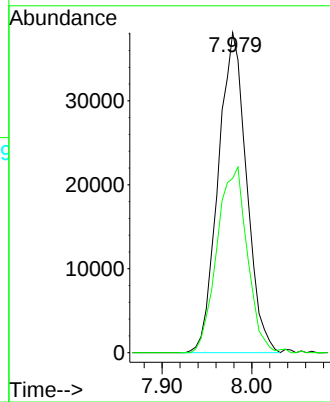
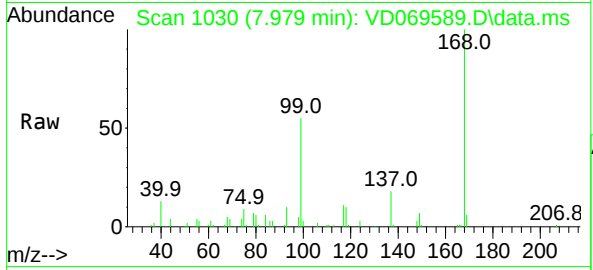




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069589.D
Acq: 06 Jul 2021 18:37

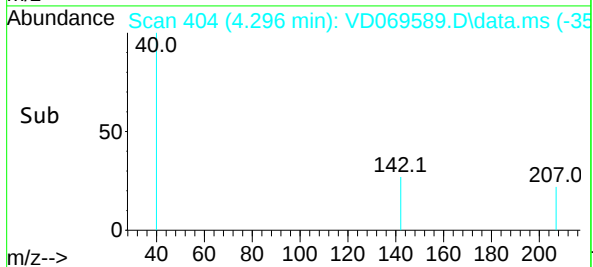
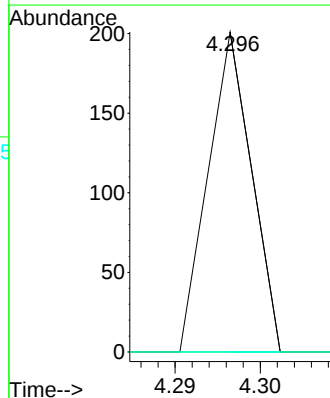
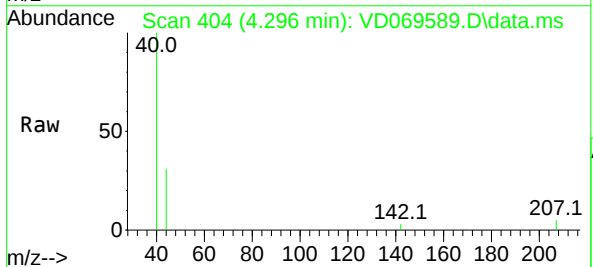
Instrument :
MSVOA_D
ClientSampleId :
OK-01-070221

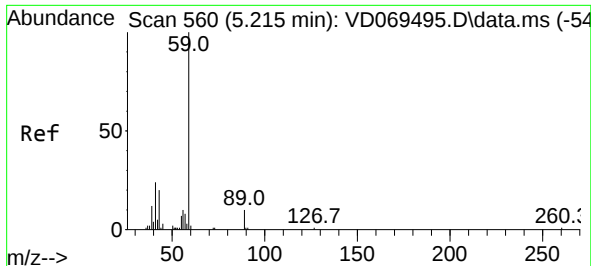
Tgt Ion:168 Resp: 83511
Ion Ratio Lower Upper
168 100
99 54.5 49.3 73.9



#10
Methyl Iodide
Concen: 4.015 ug/l
RT: 4.296 min Scan# 404
Delta R.T. -0.001 min
Lab File: VD069589.D
Acq: 06 Jul 2021 18:37

Tgt Ion:142 Resp: 71
Ion Ratio Lower Upper
142 100
127 0.0 36.5 54.7#
141 0.0 12.0 18.0#



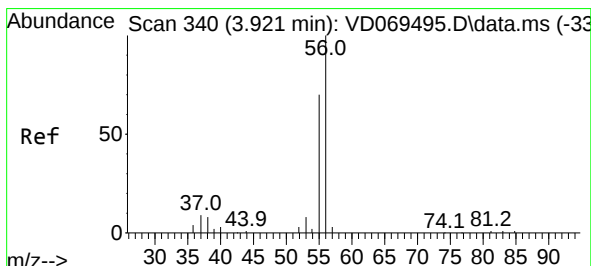
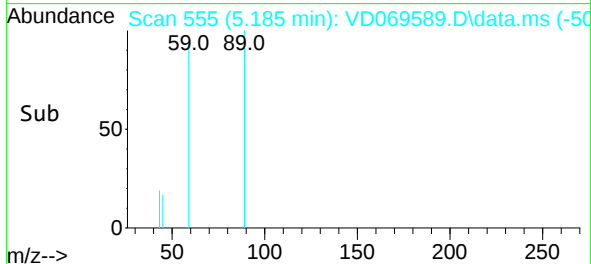
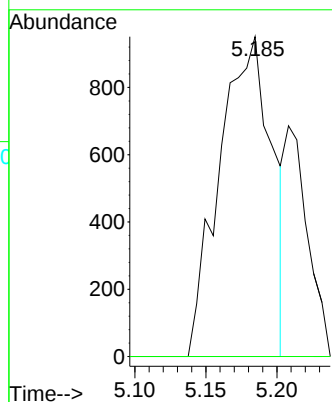
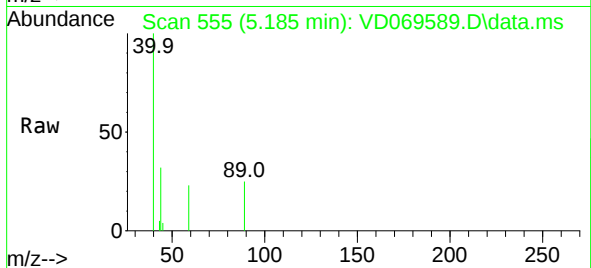


#11

Tert butyl alcohol
Concen: 1.114 ug/l
RT: 5.185 min Scan# 555
Delta R.T. -0.030 min
Lab File: VD069589.D
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Instrument :
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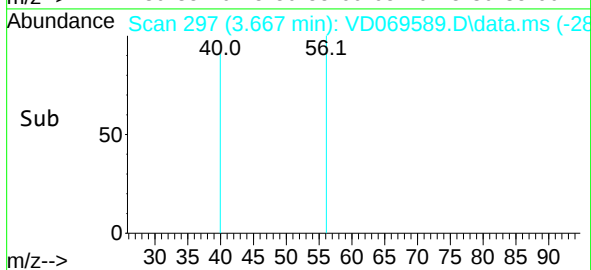
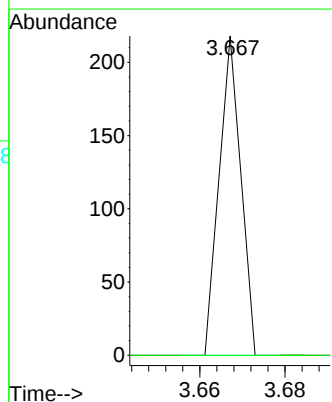
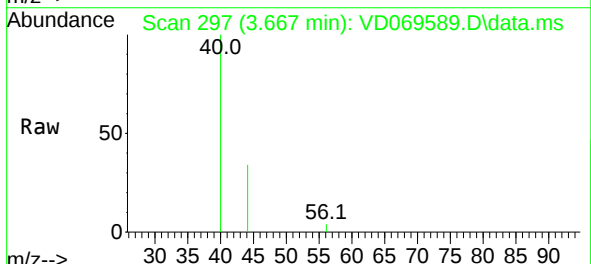
Tgt Ion: 59 Resp: 2430
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

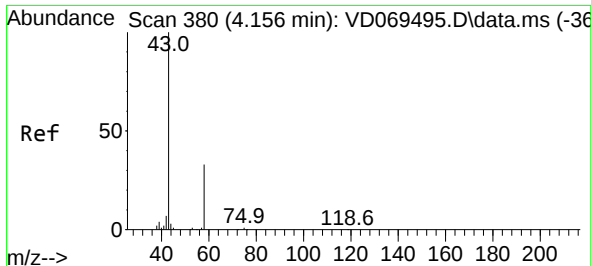


#13

Acrolein
Concen: 1.329 ug/l
RT: 3.667 min Scan# 297
Delta R.T. -0.253 min
Lab File: VD069589.D
Acq: 06 Jul 2021 18:37

Tgt Ion: 56 Resp: 77
Ion Ratio Lower Upper
56 100
55 0.0 56.0 84.0#

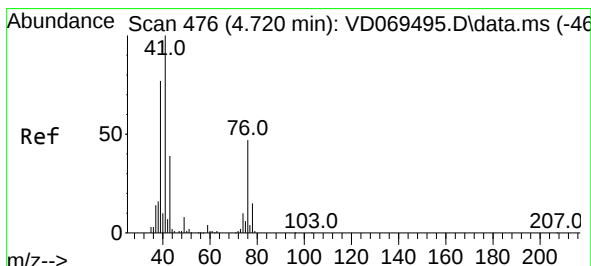
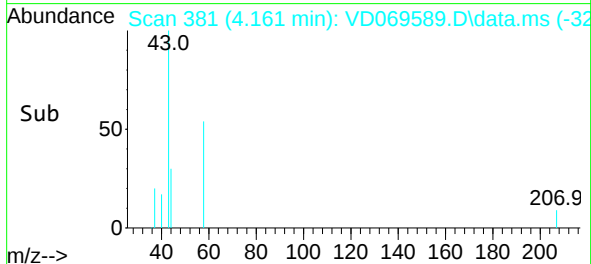
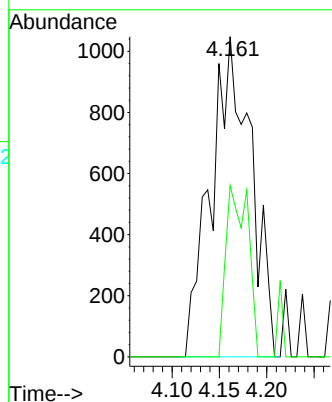
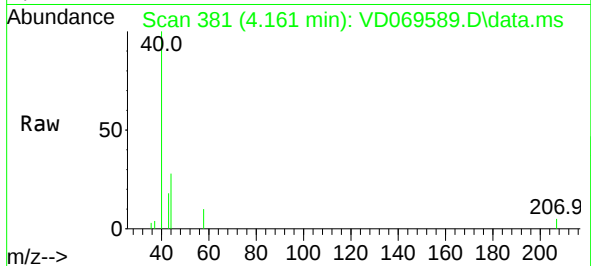




#16
Acetone
Concen: 17.648 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.005 min
Lab File: VD069589.D
Acq: 06 Jul 2021 18:37

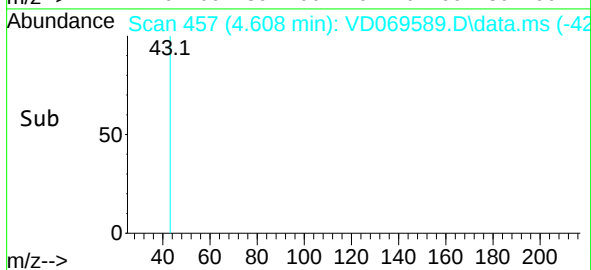
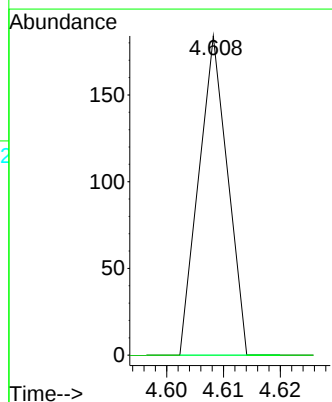
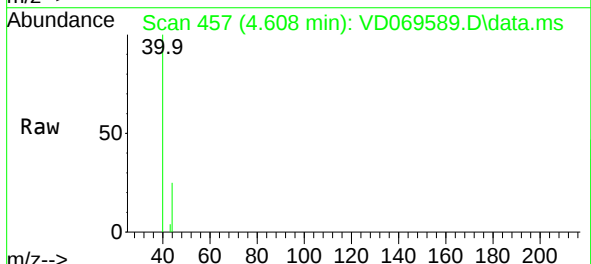
Instrument :
MSVOA_D
ClientSampleId :
OK-01-070221

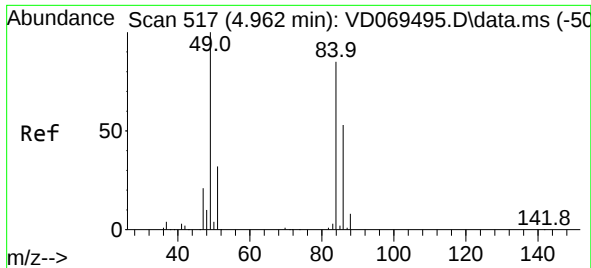
Tgt Ion: 43 Resp: 3092
Ion Ratio Lower Upper
43 100
58 53.5 26.8 40.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.608 min Scan# 457
Delta R.T. -0.112 min
Lab File: VD069589.D
Acq: 06 Jul 2021 18:37

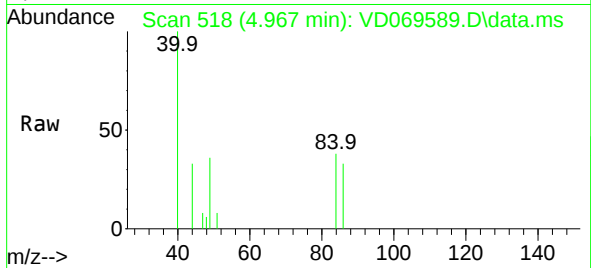
Tgt Ion: 43 Resp: 65
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



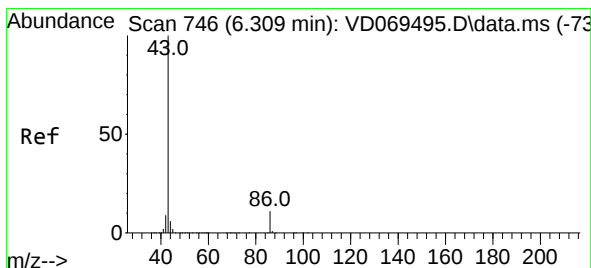
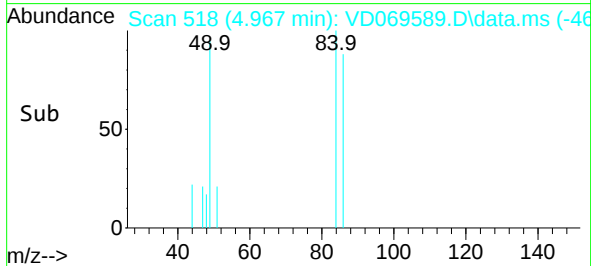
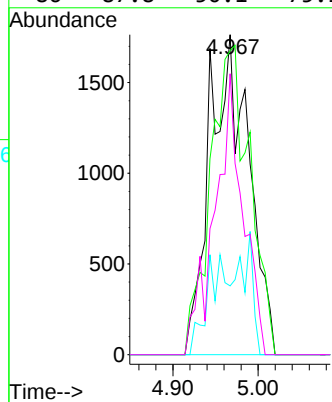


#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD069589.D
Acq: 06 Jul 2021 18:37

Instrument :
MSVOA_D
ClientSampleId :
OK-01-070221

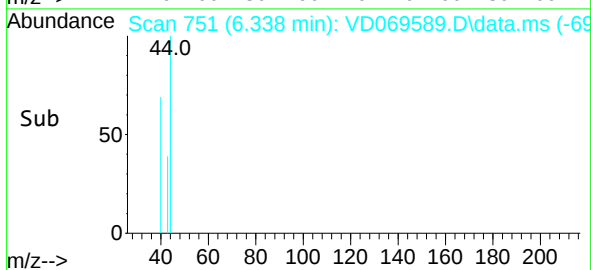
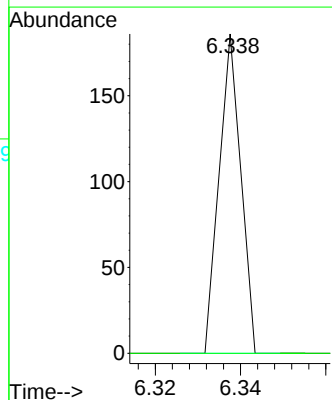
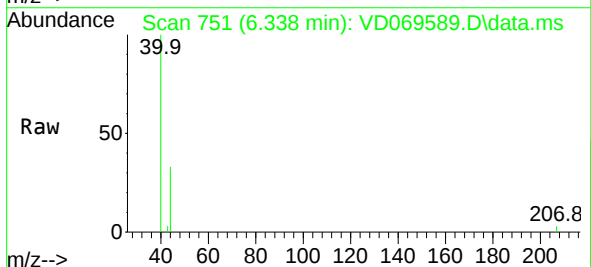


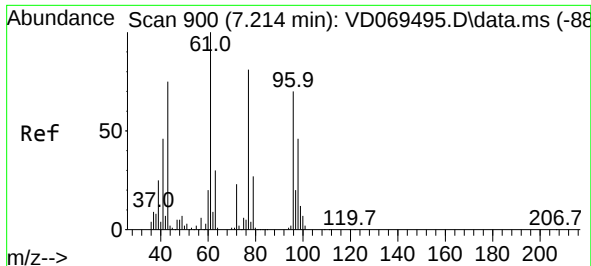
Tgt Ion: 84 Resp: 5611
Ion Ratio Lower Upper
84 100
49 95.0 94.0 141.0
51 21.5 29.7 44.5#
86 87.8 50.1 75.1#



#23
Vinyl Acetate
Concen: 19.052 ug/l
RT: 6.338 min Scan# 751
Delta R.T. 0.029 min
Lab File: VD069589.D
Acq: 06 Jul 2021 18:37

Tgt Ion: 43 Resp: 66
Ion Ratio Lower Upper
43 100
86 0.0 9.1 13.7#

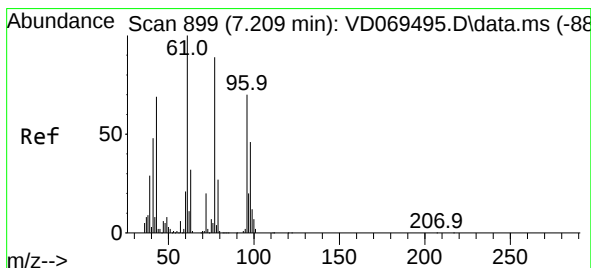
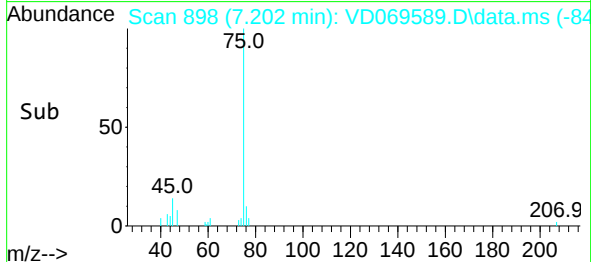
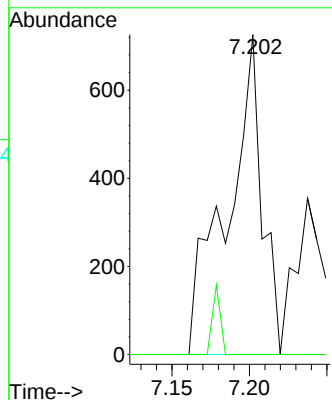
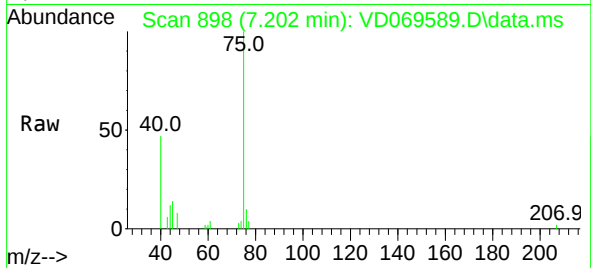




#25
2-Butanone
Concen: 5.098 ug/l
RT: 7.202 min Scan# 898
Delta R.T. -0.012 min
Lab File: VD069589.D
Acq: 06 Jul 2021 18:37

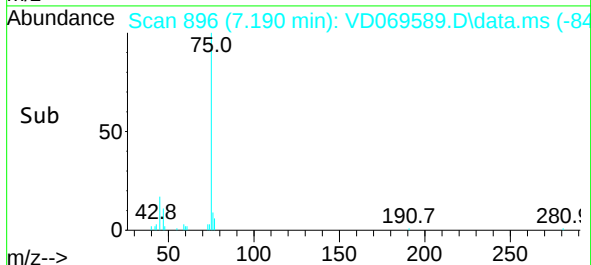
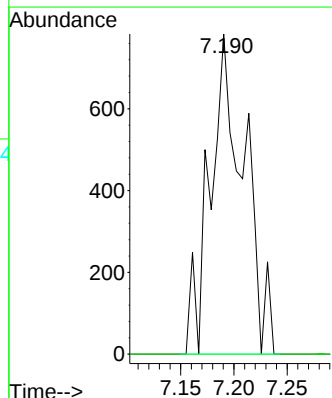
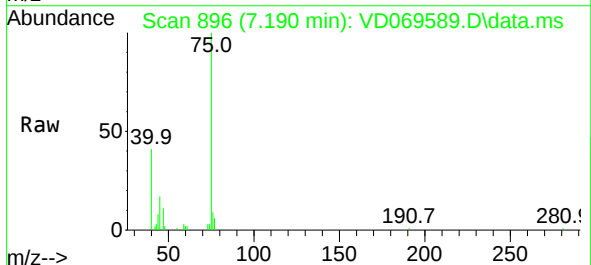
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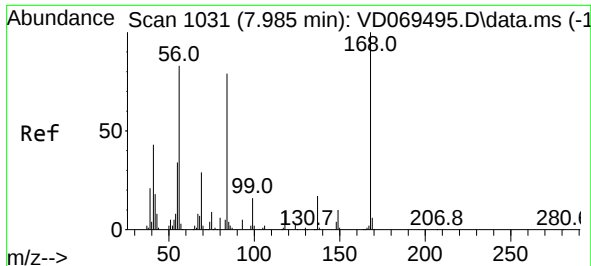
Tgt Ion: 43 Resp: 1135
Ion Ratio Lower Upper
43 100
72 0.0 24.3 36.5#



#26
2,2-Dichloropropane
Concen: 1.161 ug/l
RT: 7.190 min Scan# 896
Delta R.T. -0.018 min
Lab File: VD069589.D
Acq: 06 Jul 2021 18:37

Tgt Ion: 77 Resp: 1752
Ion Ratio Lower Upper
77 100
97 0.0 11.5 34.5#

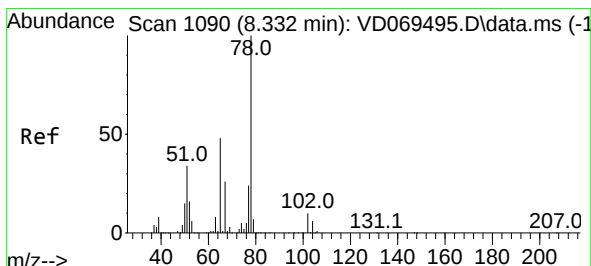
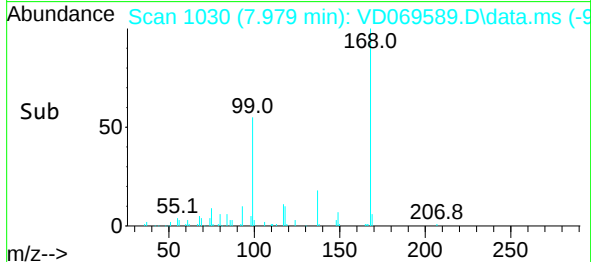
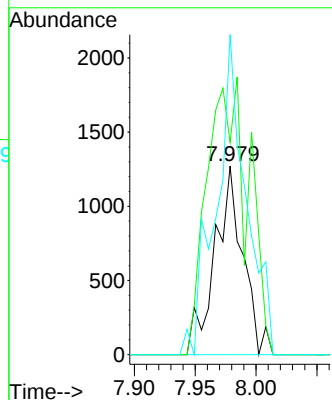
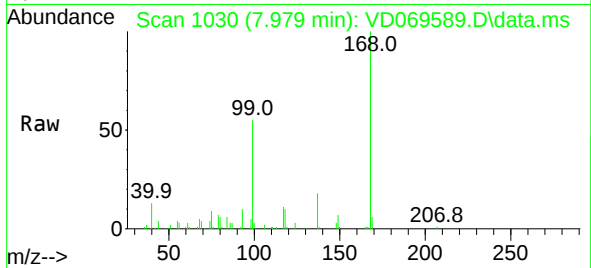




#31
Cyclohexane
Concen: 1.449 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069589.D
Acq: 06 Jul 2021 18:37

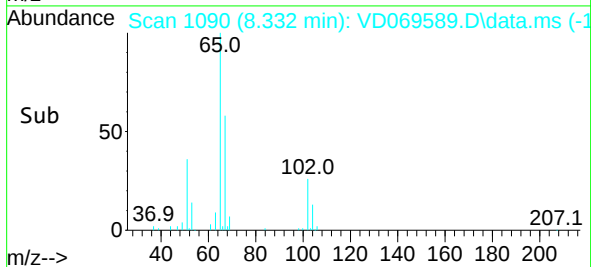
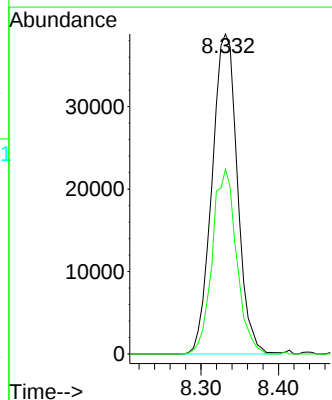
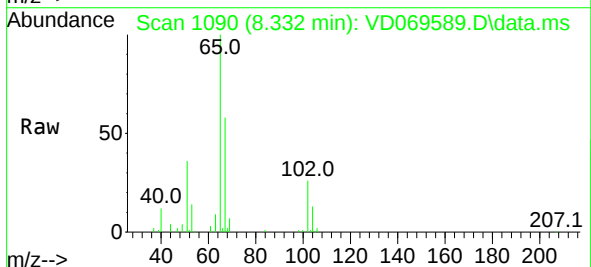
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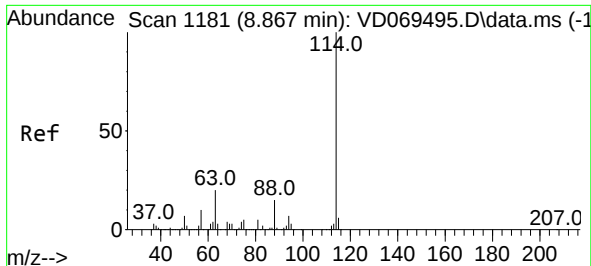
Tgt Ion: 56 Resp: 2031
Ion Ratio Lower Upper
56 100
69 112.6 28.0 42.0#
84 169.7 75.7 113.5#



#33
1,2-Dichloroethane-d4
Concen: 84.759 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.001 min
Lab File: VD069589.D
Acq: 06 Jul 2021 18:37

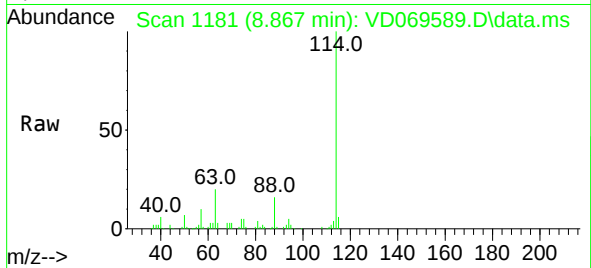
Tgt Ion: 65 Resp: 88230
Ion Ratio Lower Upper
65 100
67 55.0 0.0 105.6



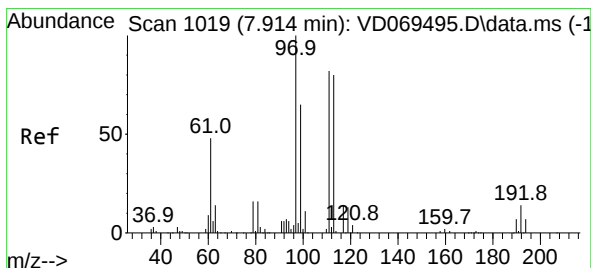
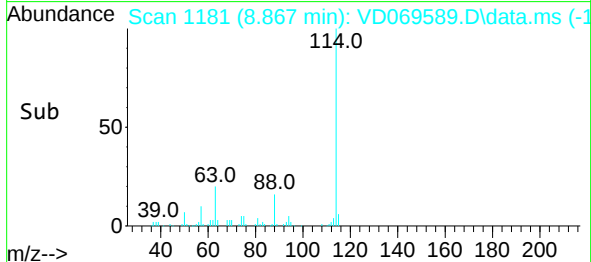
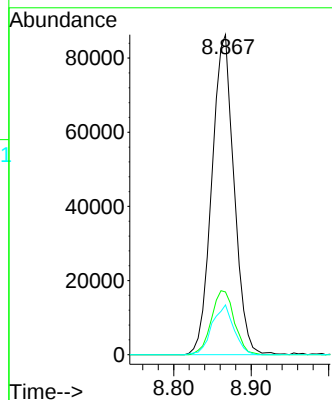


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. -0.000 min
Lab File: VD069589.D
Acq: 06 Jul 2021 18:37

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MSVOA_D
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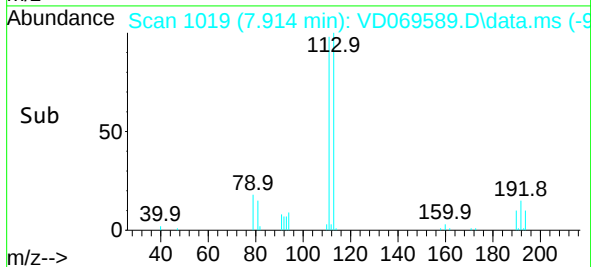
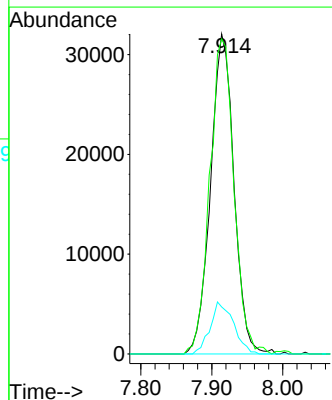
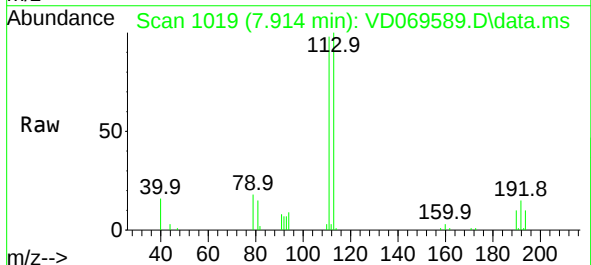


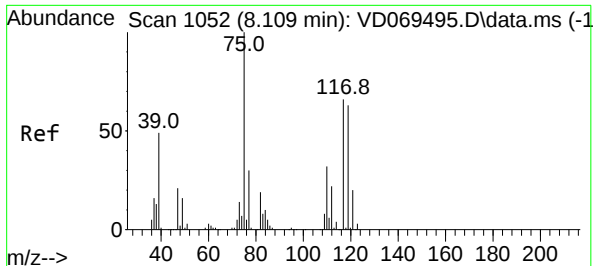
Tgt Ion:114 Resp: 171162
Ion Ratio Lower Upper
114 100
63 19.6 0.0 39.6
88 15.6 0.0 29.8



#35
Dibromofluoromethane
Concen: 63.368 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.001 min
Lab File: VD069589.D
Acq: 06 Jul 2021 18:37

Tgt Ion:113 Resp: 73318
Ion Ratio Lower Upper
113 100
111 102.0 81.8 122.8
192 16.2 13.8 20.6

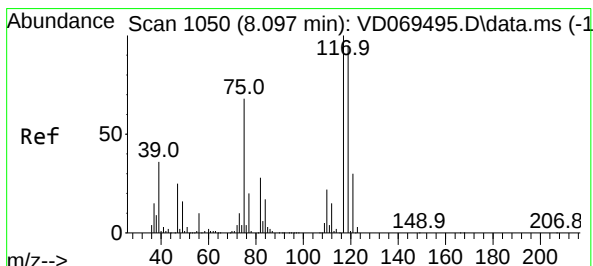
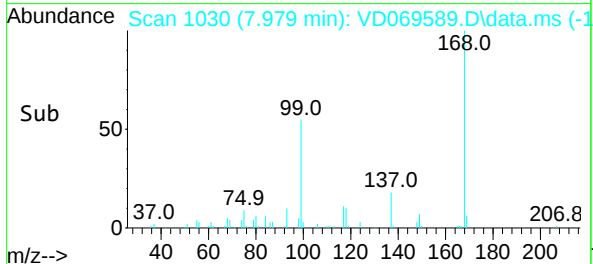
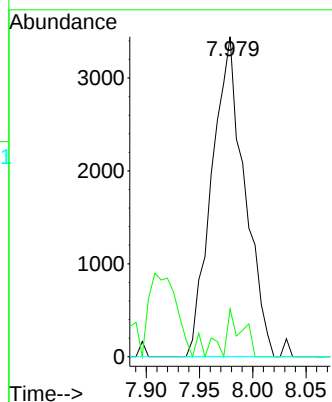
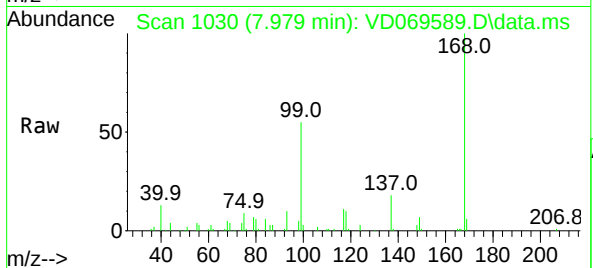




#36
1,1-Dichloropropene
Concen: 4.375 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD069589.D
Acq: 06 Jul 2021 18:37

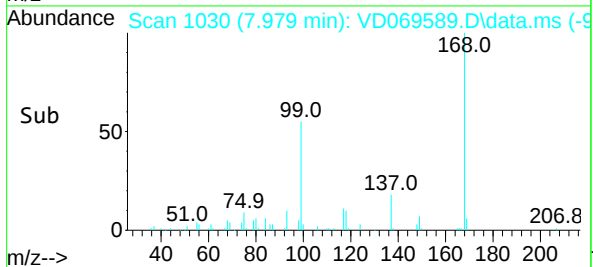
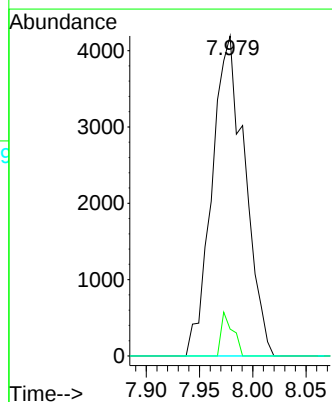
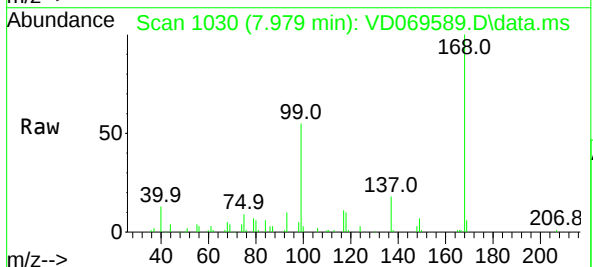
Instrument :
MSVOA_D
ClientSampleId :
OK-01-070221

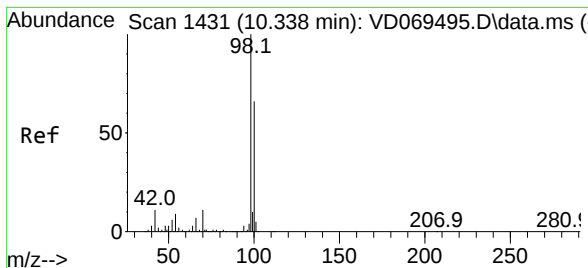
Tgt Ion: 75 Resp: 7350
Ion Ratio Lower Upper
75 100
110 6.6 16.8 50.4#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.414 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069589.D
Acq: 06 Jul 2021 18:37

Tgt Ion: 117 Resp: 9001
Ion Ratio Lower Upper
117 100
119 8.4 75.6 113.4#
121 0.0 23.8 35.8#

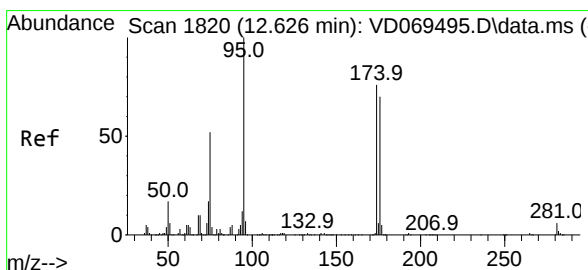
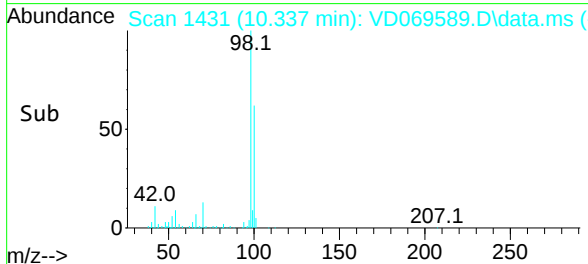
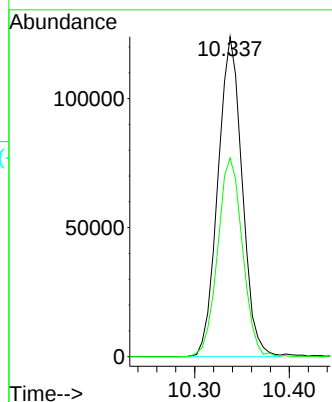
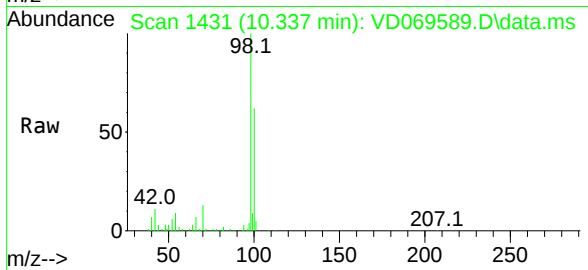




#50
Toluene-d8
Concen: 50.821 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. -0.001 min
Lab File: VD069589.D
Acq: 06 Jul 2021 18:37

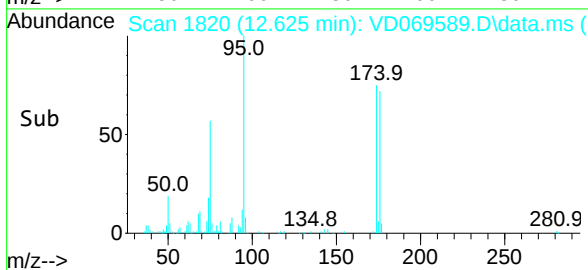
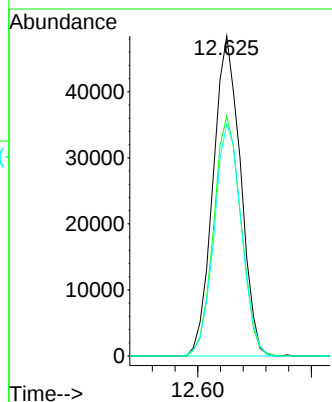
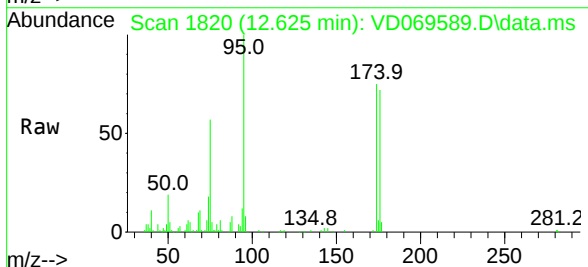
Instrument :
MSVOA_D
ClientSampleId :
OK-01-070221

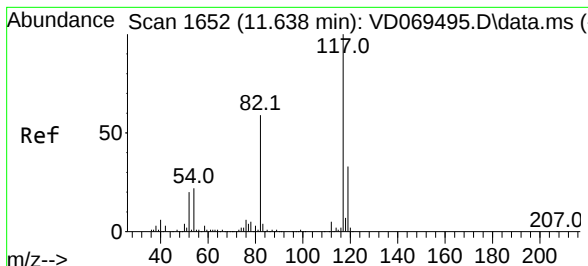
Tgt Ion: 98 Resp: 220560
Ion Ratio Lower Upper
98 100
100 63.5 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 56.763 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. -0.001 min
Lab File: VD069589.D
Acq: 06 Jul 2021 18:37

Tgt Ion: 95 Resp: 80988
Ion Ratio Lower Upper
95 100
174 74.7 0.0 148.0
176 72.4 0.0 139.8

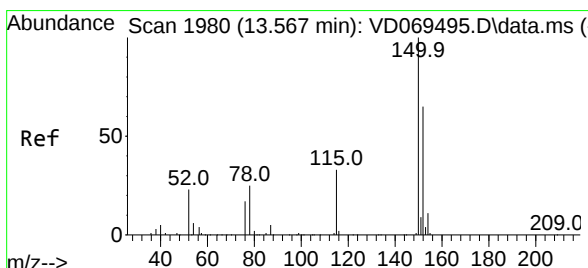
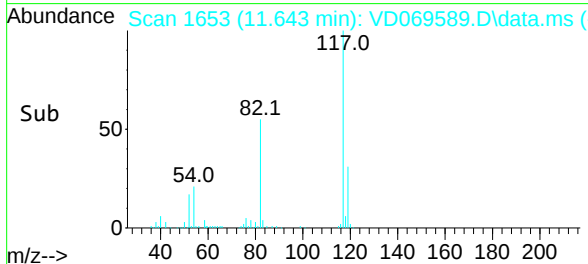
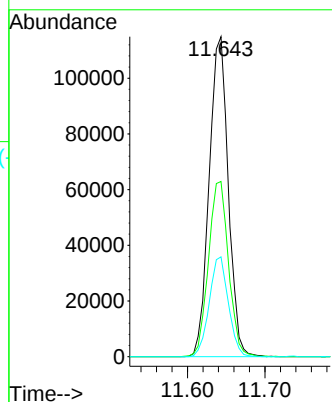
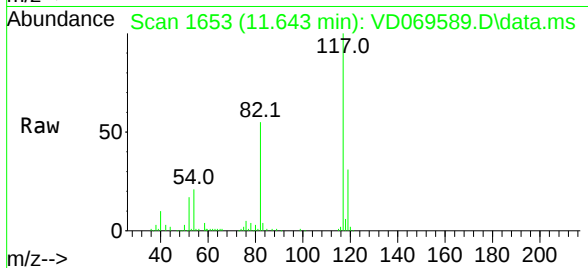




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.005 min
Lab File: VD069589.D
Acq: 06 Jul 2021 18:37

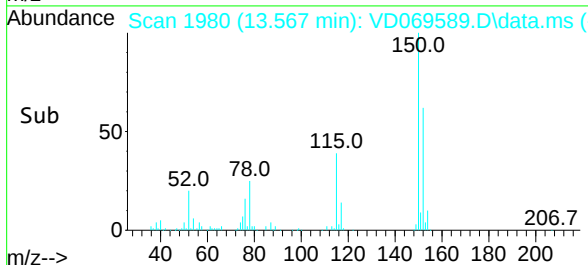
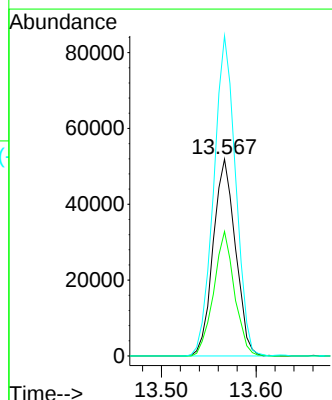
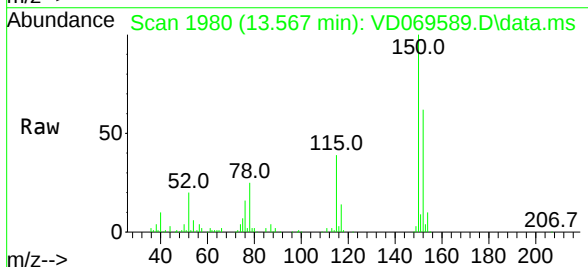
Instrument :
MSVOA_D
ClientSampleId :
OK-01-070221

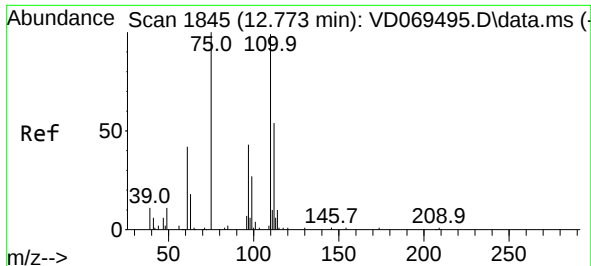
Tgt Ion:117 Resp: 197172
Ion Ratio Lower Upper
117 100
82 54.7 46.8 70.2
119 31.2 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.001 min
Lab File: VD069589.D
Acq: 06 Jul 2021 18:37

Tgt Ion:152 Resp: 85054
Ion Ratio Lower Upper
152 100
115 58.9 31.7 95.1
150 159.9 0.0 350.8

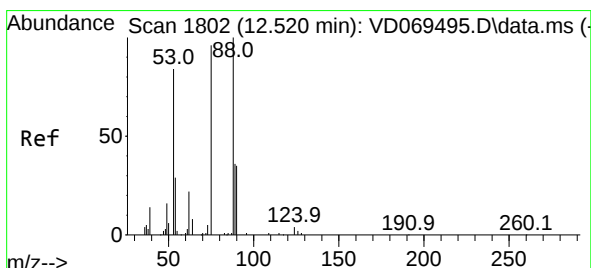
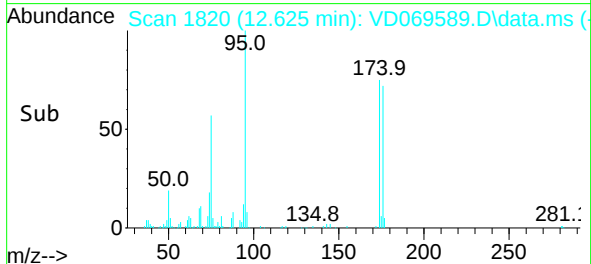
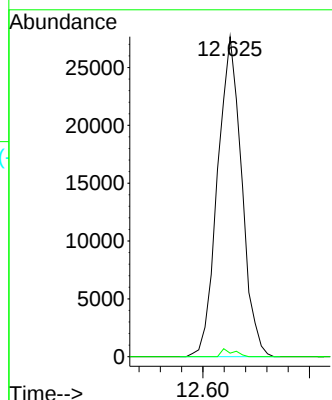
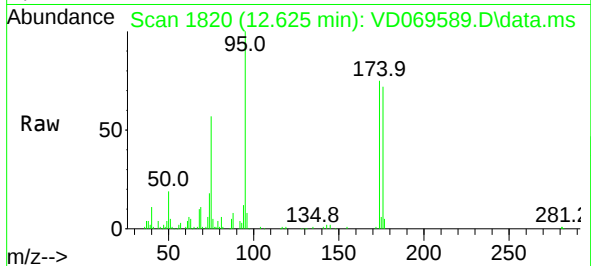




#76
1,2,3-Trichloropropane
Concen: 52.083 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. -0.148 min
Lab File: VD069589.D
Acq: 06 Jul 2021 18:37

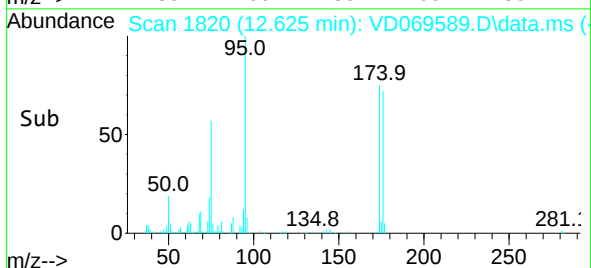
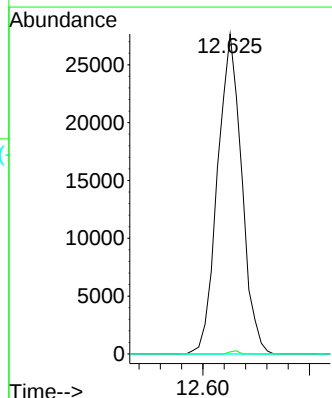
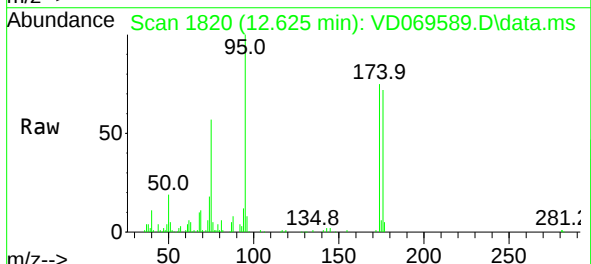
Instrument :
MSVOA_D
ClientSampleId :
OK-01-070221

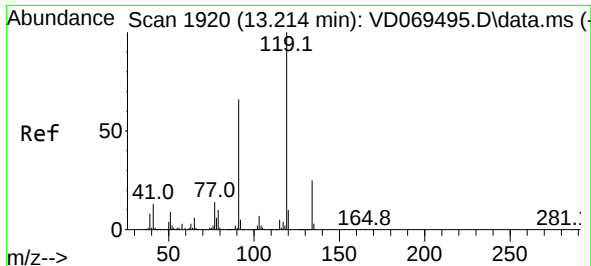
Tgt Ion: 75 Resp: 43485
Ion Ratio Lower Upper
75 100
77 1.3 162.6 487.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 130.045 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. 0.105 min
Lab File: VD069589.D
Acq: 06 Jul 2021 18:37

Tgt Ion: 75 Resp: 43485
Ion Ratio Lower Upper
75 100
53 0.4 74.6 112.0#
89 0.0 35.3 52.9#

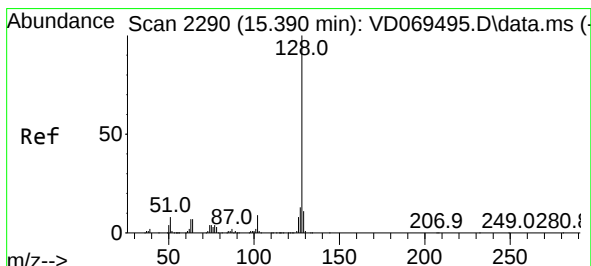
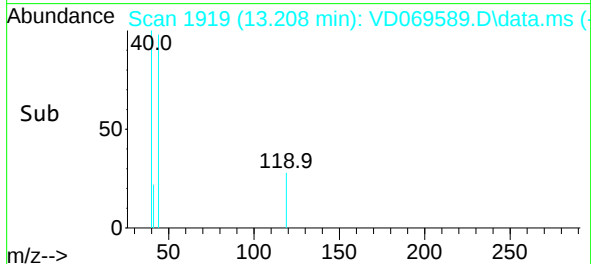
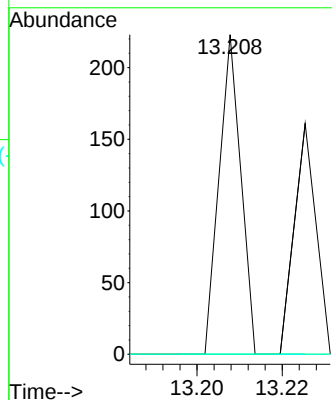
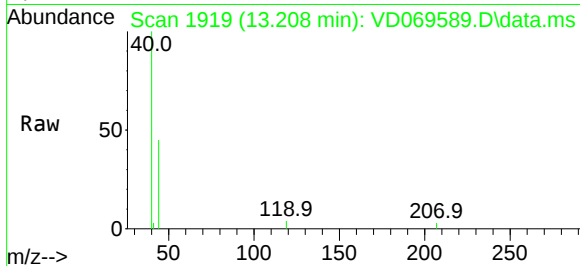




#83
tert-Butylbenzene
Concen: 2.009 ug/l
RT: 13.208 min Scan# 1919
Delta R.T. -0.006 min
Lab File: VD069589.D
Acq: 06 Jul 2021 18:37

Instrument :
MSVOA_D
ClientSampleId :
OK-01-070221

Tgt Ion:119	Resp:	79
Ion Ratio	Lower	Upper
119	100	
91	0.0	32.5 97.4#
134	0.0	12.9 38.7#



#95
Naphthalene
Concen: 3.520 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.006 min
Lab File: VD069589.D
Acq: 06 Jul 2021 18:37

Tgt Ion:128	Resp:	470
Ion Ratio	Lower	Upper
128	100	
127	0.0	10.6 16.0#
129	12.1	8.7 13.1

