

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052021\
 Data File : VD069220.D
 Acq On : 20 May 2021 15:54
 Operator : VA/SY
 Sample : M2420-05
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CONCESSION-CP-5

Quant Time: May 21 00:54:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051221S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 13 04:01:29 2021
 Response via : Initial Calibration

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

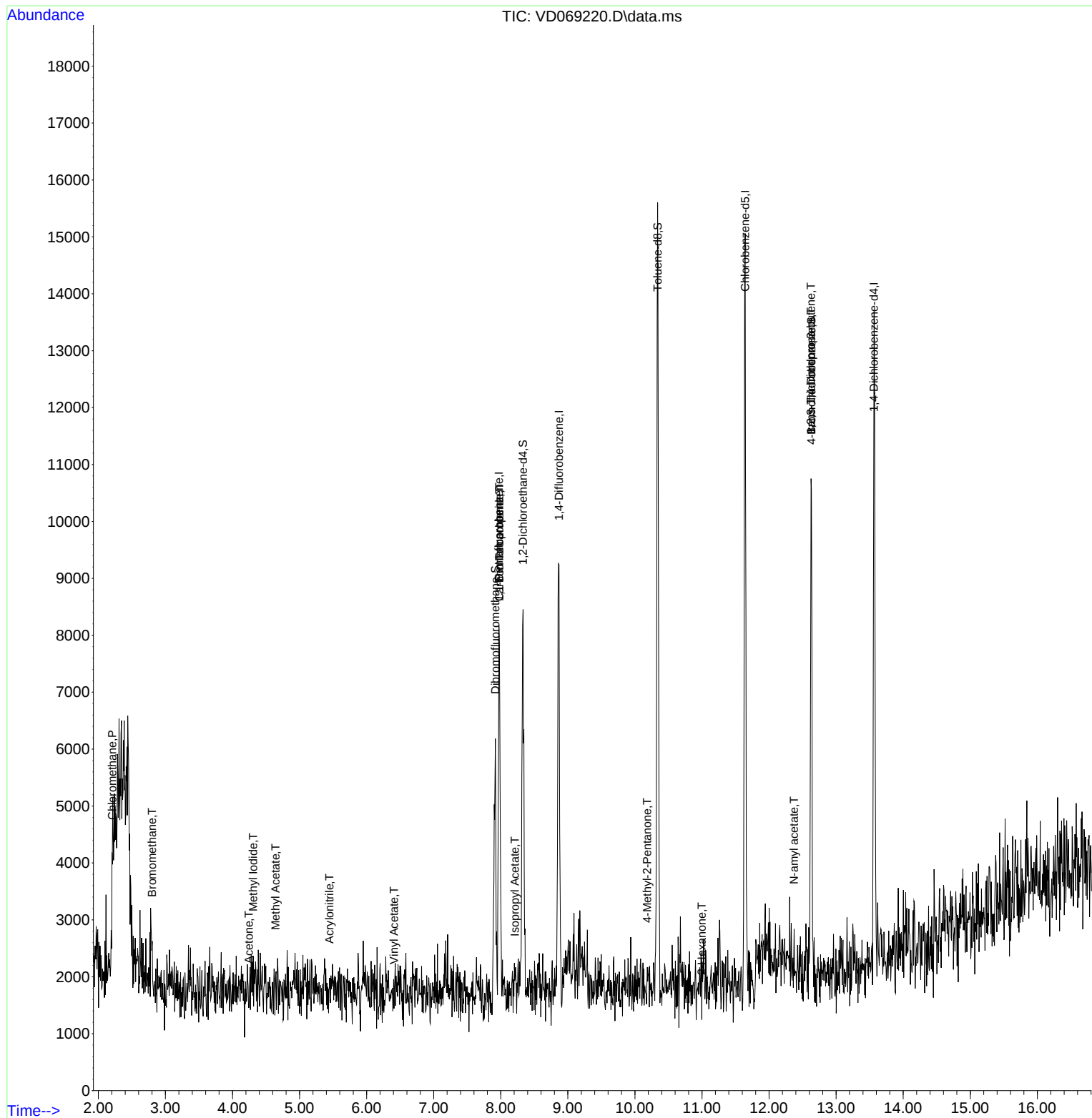
Internal Standards						
1) Pentafluorobenzene	7.973	168	5329	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.867	114	7493	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	8597	50.00	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	3320	50.00	ug/l	-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	5053	94.58	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 189.16%#			
35) Dibromofluoromethane	7.920	113	2815	57.73	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 115.46%			
50) Toluene-d8	10.338	98	9892	55.21	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 110.42%			
62) 4-Bromofluorobenzene	12.632	95	3087	53.54	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 107.08%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.209	50	264	4.05	ug/l #	77
5) Bromomethane	2.803	94	666	10.32	ug/l #	33
10) Methyl Iodide	4.309	142	128	2.96	ug/l #	78
15) Acrylonitrile	5.444	53	59	6.61	ug/l #	18
16) Acetone	4.244	43	58	7.09	ug/l #	41
18) Methyl Acetate	4.644	43	72	3.62	ug/l #	45
20) Methylene Chloride	4.956	84	132	Below Cal	#	32
23) Vinyl Acetate	6.408	43	72	1.04	ug/l #	66
36) 1,1-Dichloropropene	7.979	75	410	5.63	ug/l #	40
38) Carbon Tetrachloride	7.979	117	456	5.60	ug/l #	12
43) Isopropyl Acetate	8.208	43	117	2.75	ug/l #	46
51) 4-Methyl-2-Pentanone	10.185	43	55	2.52	ug/l #	32
59) 2-Hexanone	10.996	43	54	3.70	ug/l #	19
74) N-amyl acetate	12.373	43	104	2.74	ug/l #	37
76) 1,2,3-Trichloropropane	12.626	75	1546	61.95	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	1546	125.13	ug/l #	14

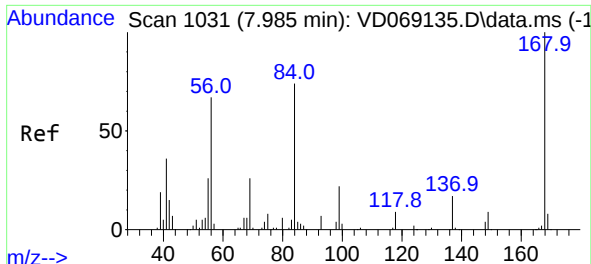
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 21 00:54:48 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051221S.M
Quant Title : SW846 8260
QLast Update : Thu May 13 04:01:29 2021
Response via : Initial Calibration

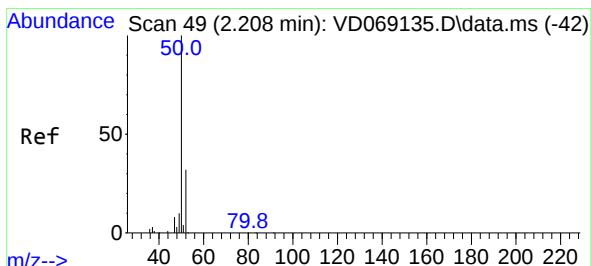
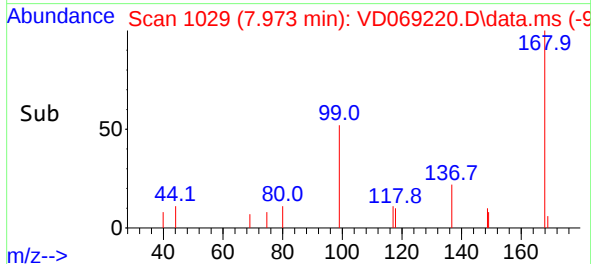
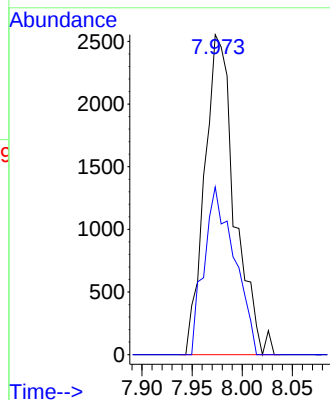
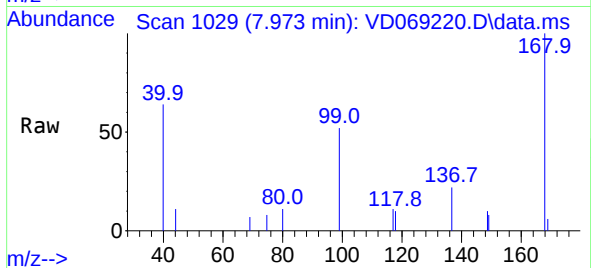




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069220.D
Acq: 20 May 2021 15:54

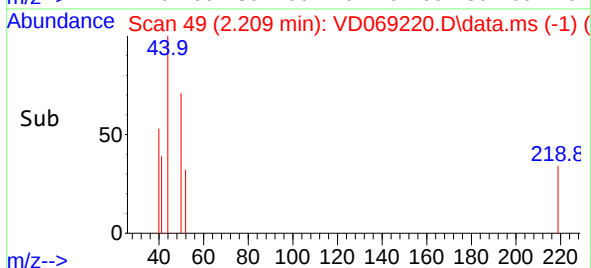
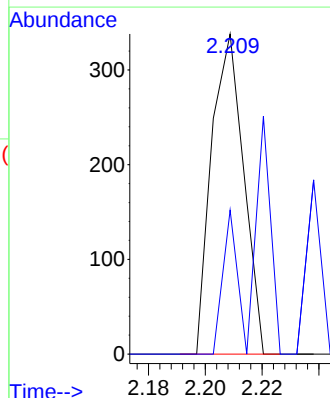
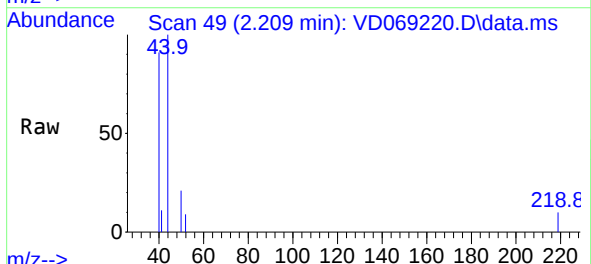
Instrument :
MSVOA_D
ClientSampleId :
CONCESSION-CP-5

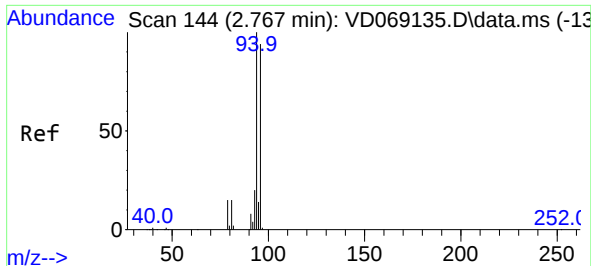
Tgt Ion:168 Resp: 5329
Ion Ratio Lower Upper
168 100
99 52.4 47.2 70.8



#3
Chloromethane
Concen: 4.05 ug/l
RT: 2.209 min Scan# 49
Delta R.T. 0.000 min
Lab File: VD069220.D
Acq: 20 May 2021 15:54

Tgt Ion: 50 Resp: 264
Ion Ratio Lower Upper
50 100
52 45.0 25.8 38.8#

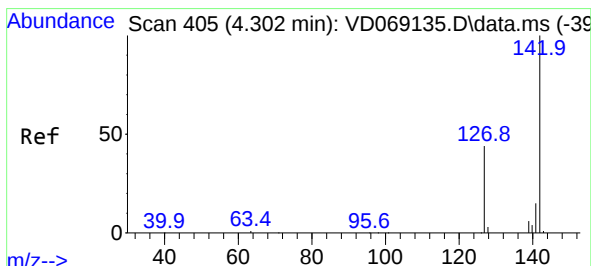
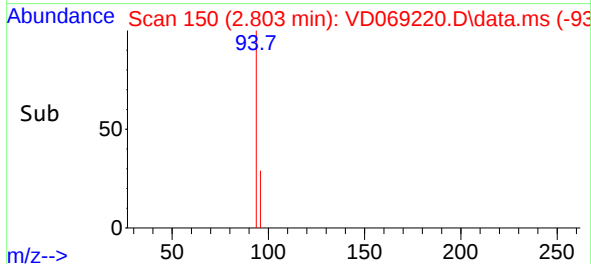
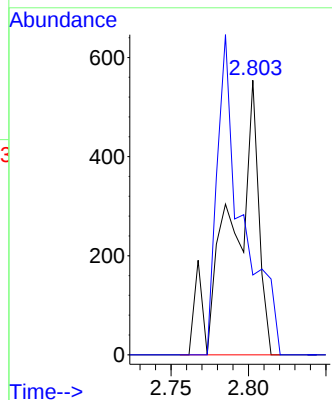
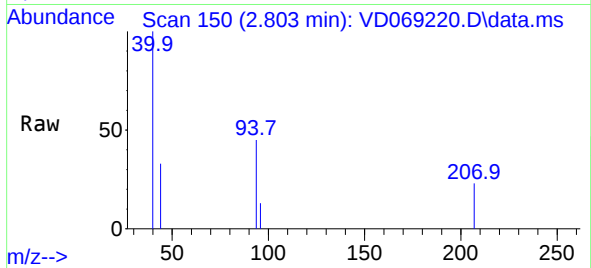




#5
Bromomethane
Concen: 10.32 ug/l
RT: 2.803 min Scan# 150
Delta R.T. 0.036 min
Lab File: VD069220.D
Acq: 20 May 2021 15:54

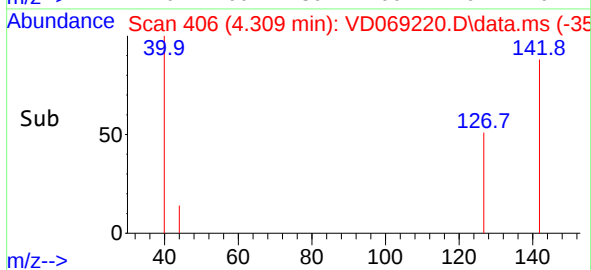
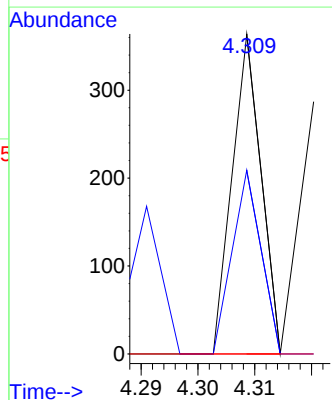
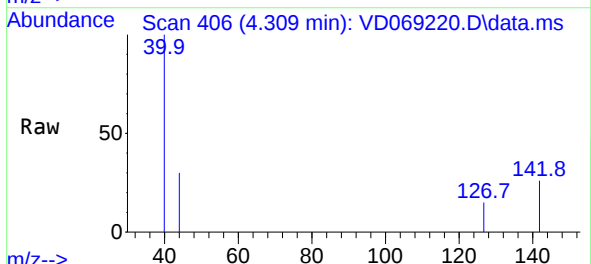
Instrument :
MSVOA_D
ClientSampleId :
CONCESSION-CP-5

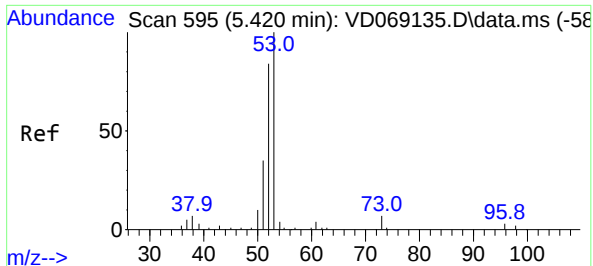
Tgt Ion: 94 Resp: 666
Ion Ratio Lower Upper
94 100
96 29.1 75.4 113.0#



#10
Methyl Iodide
Concen: 2.96 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.007 min
Lab File: VD069220.D
Acq: 20 May 2021 15:54

Tgt Ion: 142 Resp: 128
Ion Ratio Lower Upper
142 100
127 57.8 37.3 55.9#
141 0.0 12.2 18.4#

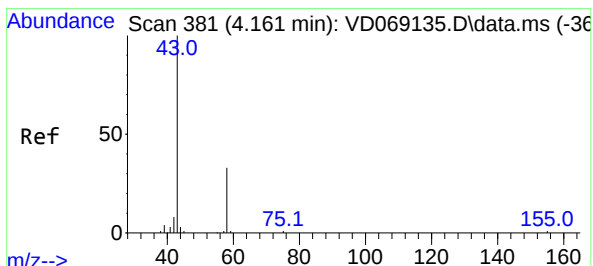
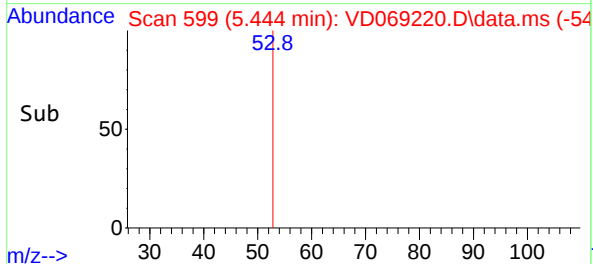
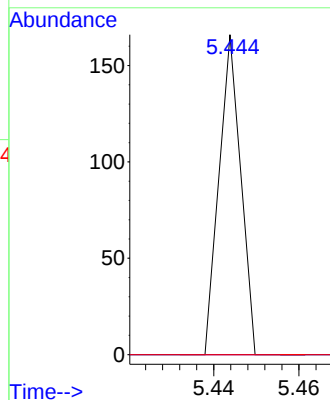
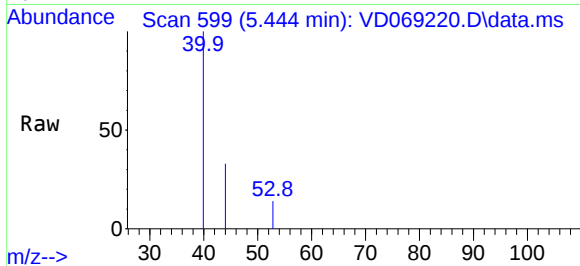




#15
Acrylonitrile
Concen: 6.61 ug/l
RT: 5.444 min Scan# 599
Delta R.T. 0.024 min
Lab File: VD069220.D
Acq: 20 May 2021 15:54

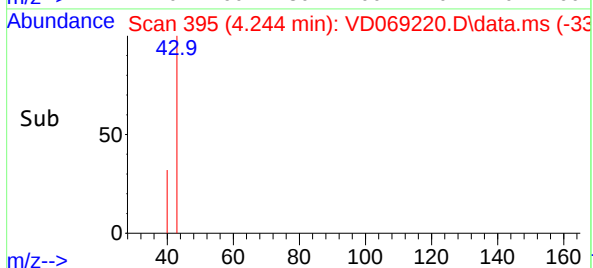
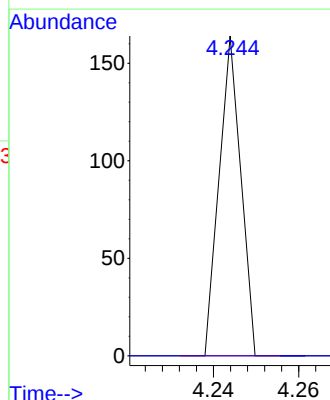
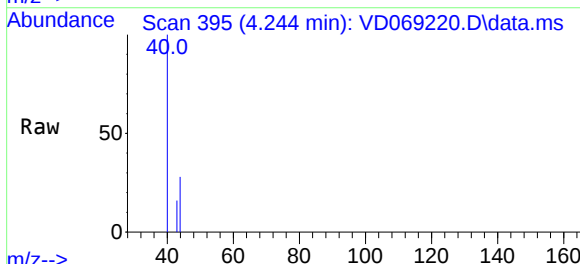
Instrument :
MSVOA_D
ClientSampleId :
CONCESSION-CP-5

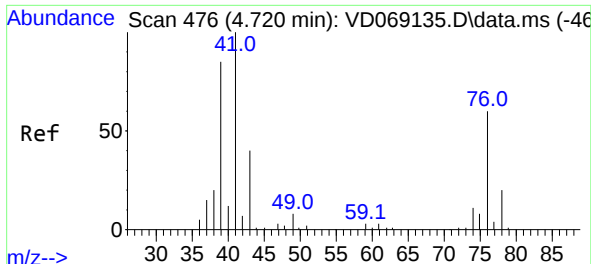
Tgt Ion:	53	Resp:	59
Ion	Ratio	Lower	Upper
53	100		
52	0.0	64.5	96.7#
51	0.0	30.4	45.6#



#16
Acetone
Concen: 7.09 ug/l
RT: 4.244 min Scan# 395
Delta R.T. 0.083 min
Lab File: VD069220.D
Acq: 20 May 2021 15:54

Tgt Ion:	43	Resp:	58
Ion	Ratio	Lower	Upper
43	100		
58	0.0	26.7	40.1#

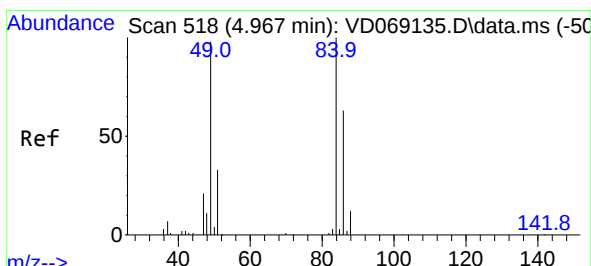
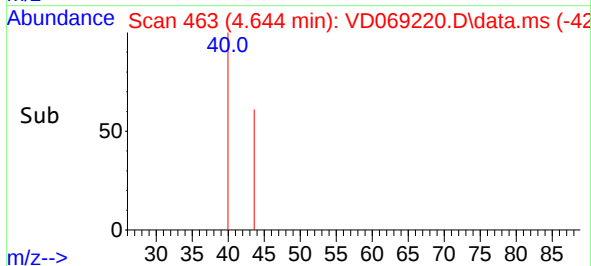
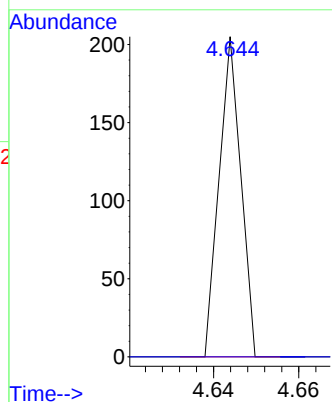
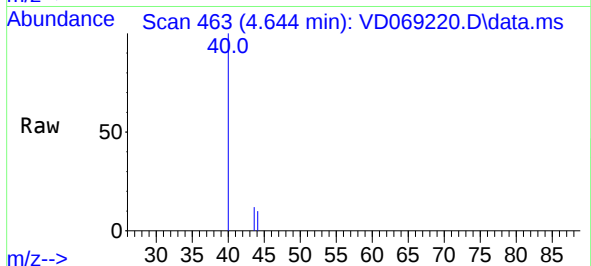




#18
Methyl Acetate
Concen: 3.62 ug/l
RT: 4.644 min Scan# 463
Delta R.T. -0.076 min
Lab File: VD069220.D
Acq: 20 May 2021 15:54

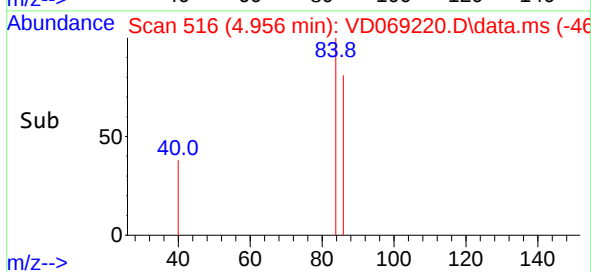
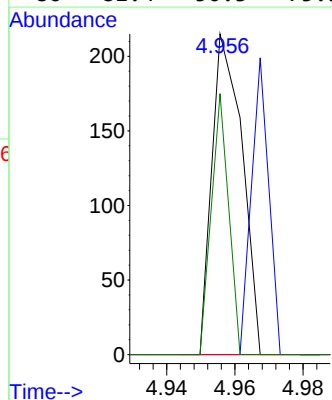
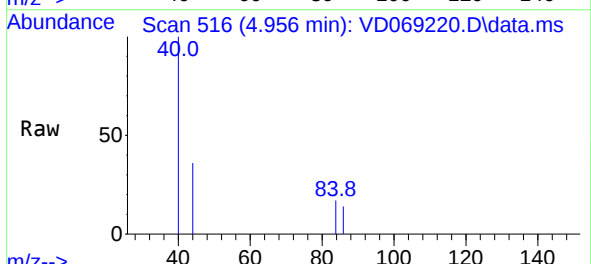
Instrument :
MSVOA_D
ClientSampleId :
CONCESSION-CP-5

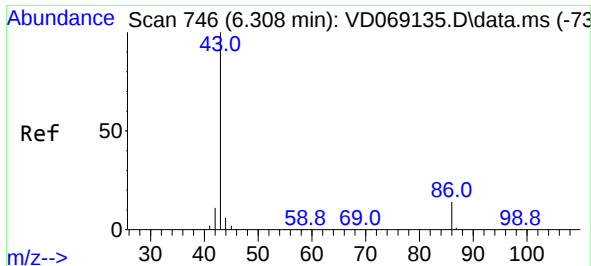
Tgt Ion: 43 Resp: 72
Ion Ratio Lower Upper
43 100
74 0.0 23.8 35.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.011 min
Lab File: VD069220.D
Acq: 20 May 2021 15:54

Tgt Ion: 84 Resp: 132
Ion Ratio Lower Upper
84 100
49 0.0 78.6 117.8#
51 0.0 26.7 40.1#
86 81.4 50.3 75.5#

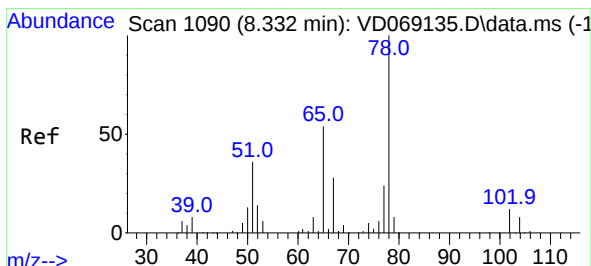
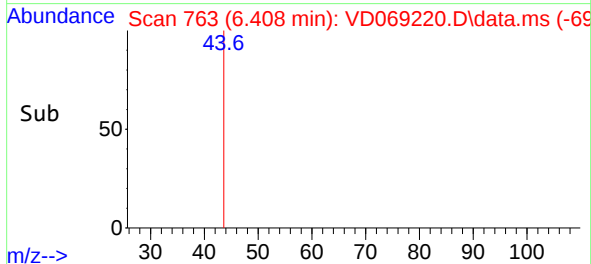
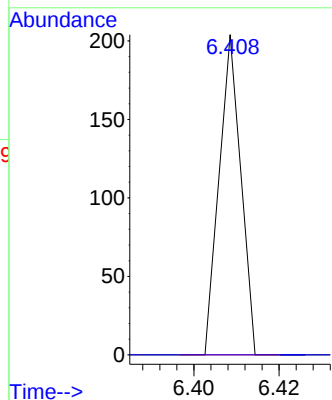
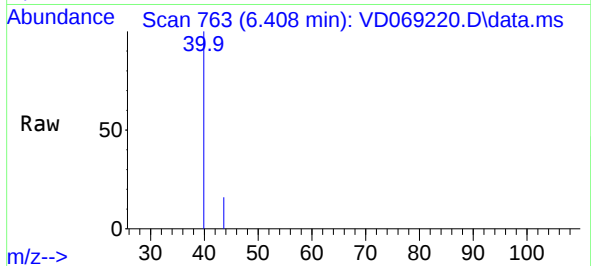




#23
 Vinyl Acetate
 Concen: 1.04 ug/l
 RT: 6.408 min Scan# 763
 Delta R.T. 0.100 min
 Lab File: VD069220.D
 Acq: 20 May 2021 15:54

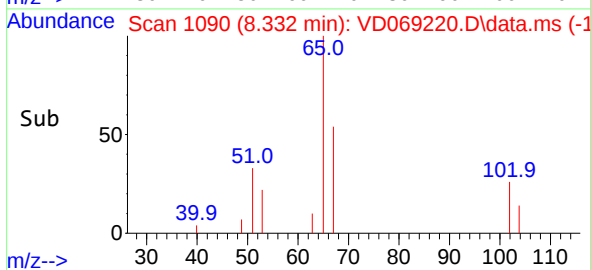
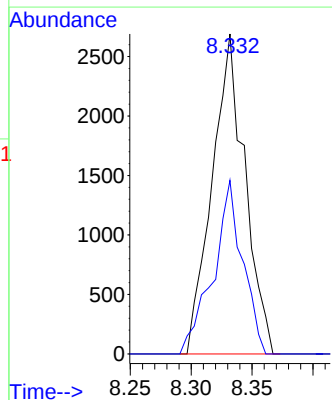
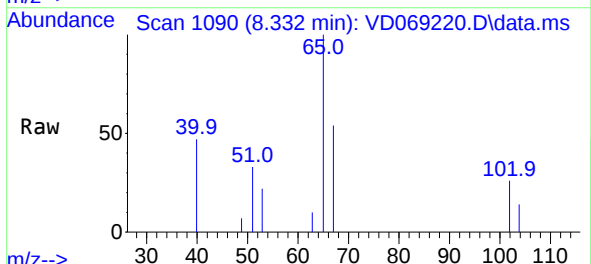
Instrument :
 MSVOA_D
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 CONCESSION-CP-5

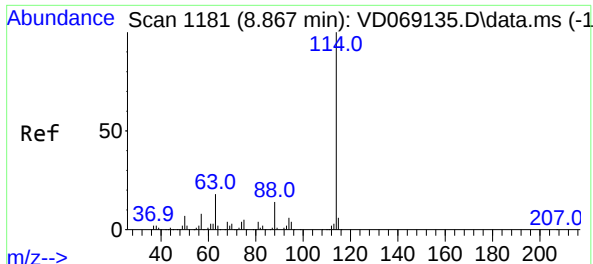
Tgt Ion: 43 Resp: 72
 Ion Ratio Lower Upper
 43 100
 86 0.0 11.1 16.7#



#33
 1,2-Dichloroethane-d4
 Concen: 94.58 ug/l
 RT: 8.332 min Scan# 1090
 Delta R.T. 0.000 min
 Lab File: VD069220.D
 Acq: 20 May 2021 15:54

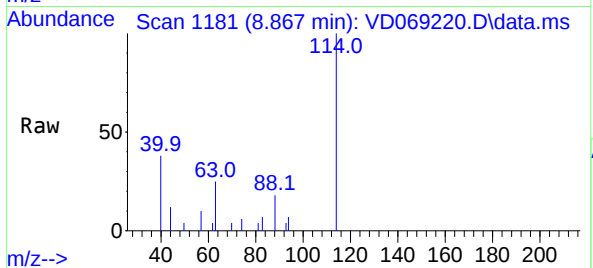
Tgt Ion: 65 Resp: 5053
 Ion Ratio Lower Upper
 65 100
 67 48.8 0.0 108.0





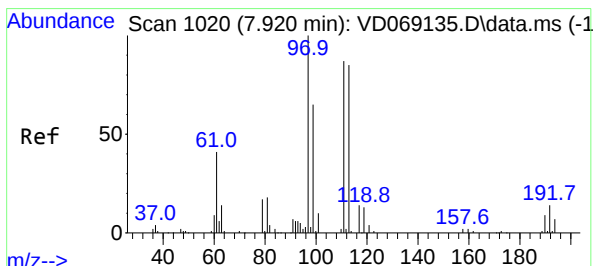
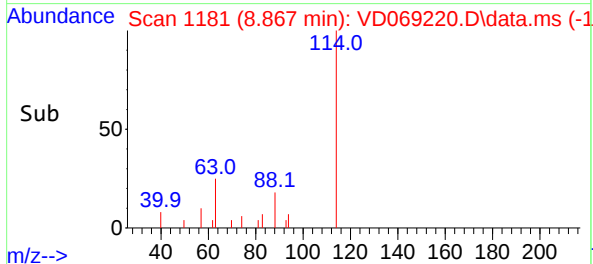
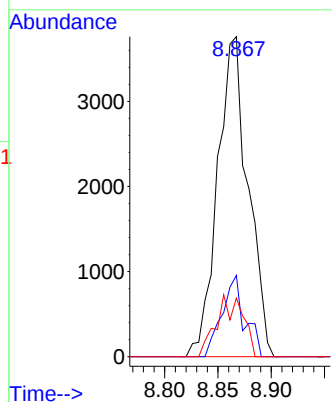
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069220.D
Acq: 20 May 2021 15:54

Instrument :
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ClientSampleId :
CONCESSION-CP-5



Tgt Ion:114 Resp: 7493

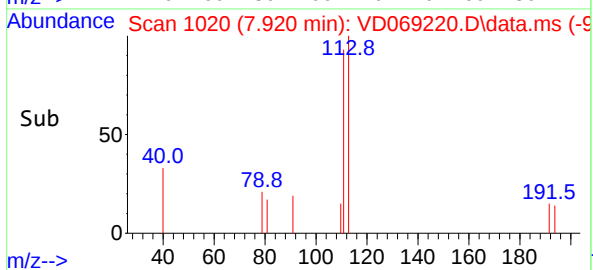
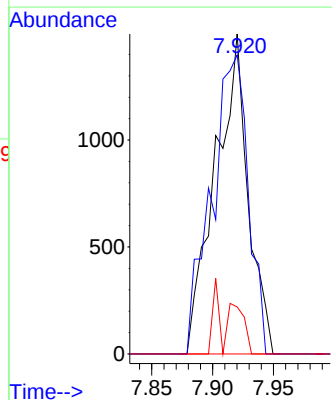
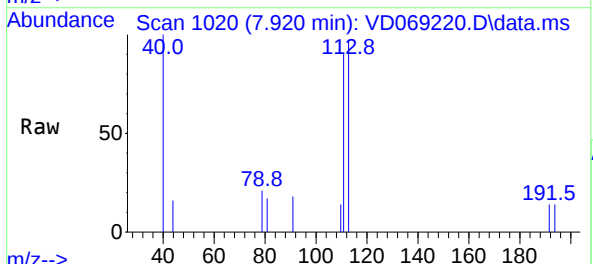
Ion	Ratio	Lower	Upper
114	100		
63	25.4	0.0	36.4
88	18.3	0.0	28.2

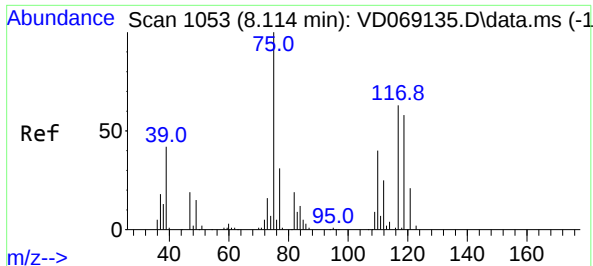


#35
Dibromofluoromethane
Concen: 57.73 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD069220.D
Acq: 20 May 2021 15:54

Tgt Ion:113 Resp: 2815

Ion	Ratio	Lower	Upper
113	100		
111	103.9	80.6	120.8
192	7.9	14.8	22.2



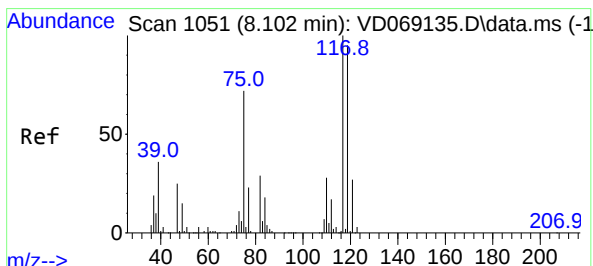
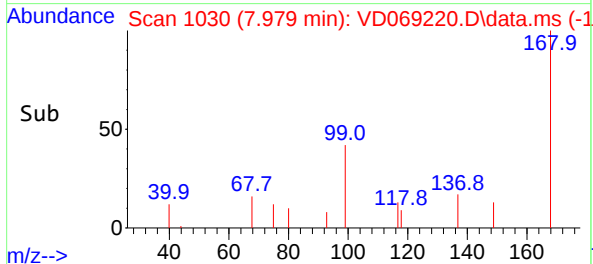
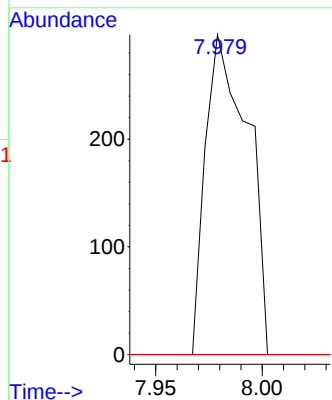
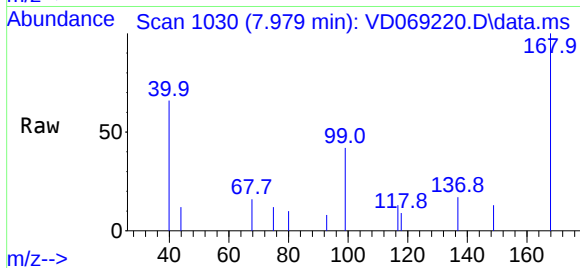


#36

1,1-Dichloropropene
Concen: 5.63 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD069220.D
Acq: 20 May 2021 15:54

Instrument :
MSVOA_D
ClientSampleId :
CONCESSION-CP-5

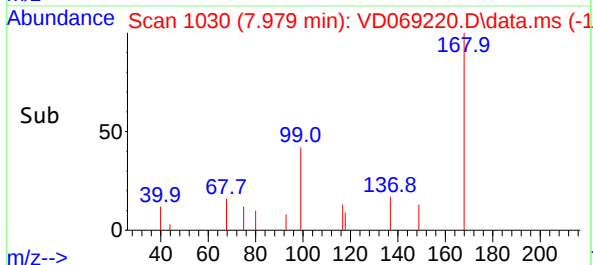
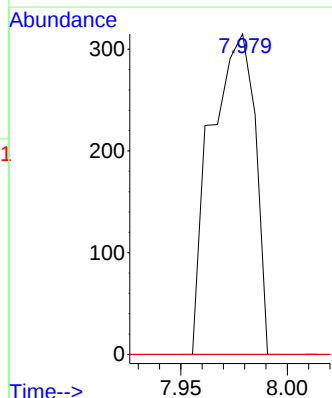
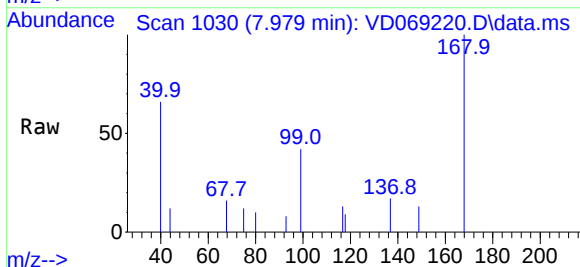
Tgt Ion: 75 Resp: 410
Ion Ratio Lower Upper
75 100
110 0.0 18.8 56.4#
77 0.0 25.2 37.8#

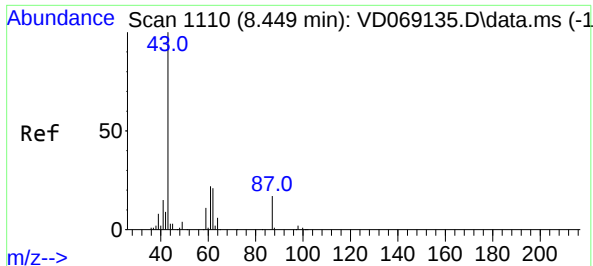


#38

Carbon Tetrachloride
Concen: 5.60 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.123 min
Lab File: VD069220.D
Acq: 20 May 2021 15:54

Tgt Ion: 117 Resp: 456
Ion Ratio Lower Upper
117 100
119 0.0 76.2 114.2#
121 0.0 21.9 32.9#

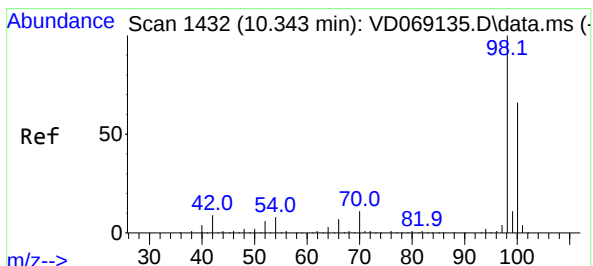
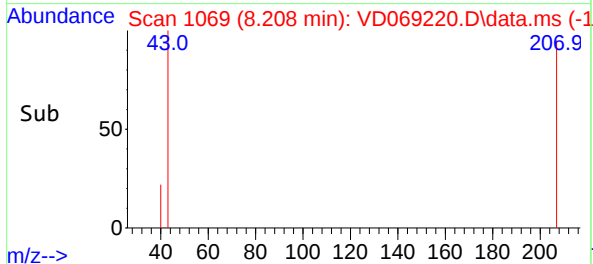
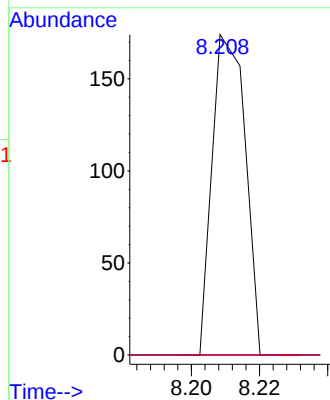
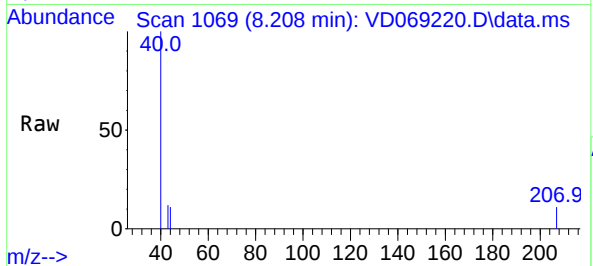




#43
Isopropyl Acetate
Concen: 2.75 ug/l
RT: 8.208 min Scan# 1069
Delta R.T. -0.241 min
Lab File: VD069220.D
Acq: 20 May 2021 15:54

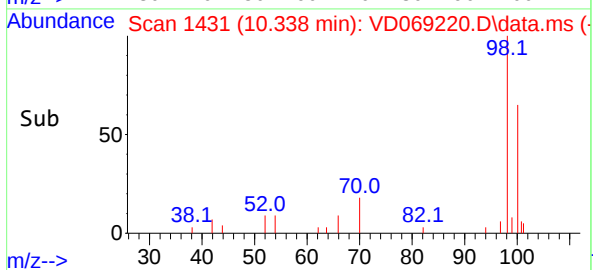
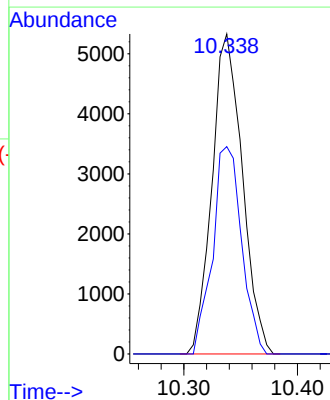
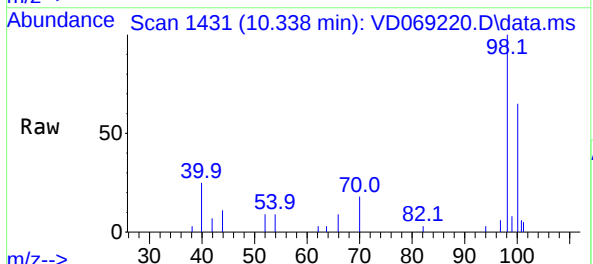
Instrument :
MSVOA_D
ClientSampleId :
CONCESSION-CP-5

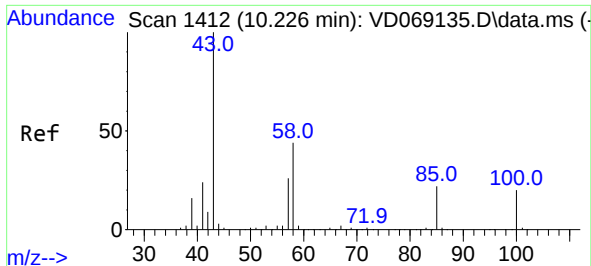
Tgt Ion: 43 Resp: 117
Ion Ratio Lower Upper
43 100
61 0.0 28.6 42.8#
87 0.0 13.8 20.8#



#50
Toluene-d8
Concen: 55.21 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD069220.D
Acq: 20 May 2021 15:54

Tgt Ion: 98 Resp: 9892
Ion Ratio Lower Upper
98 100
100 62.0 51.8 77.8

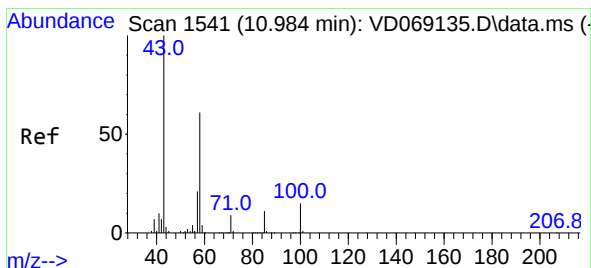
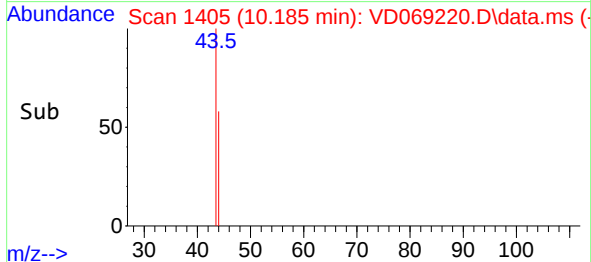
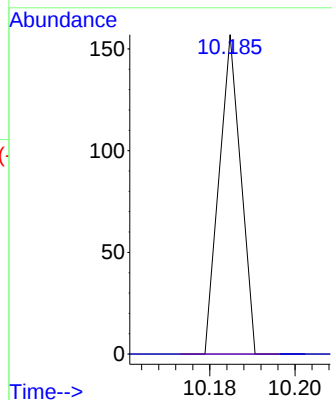
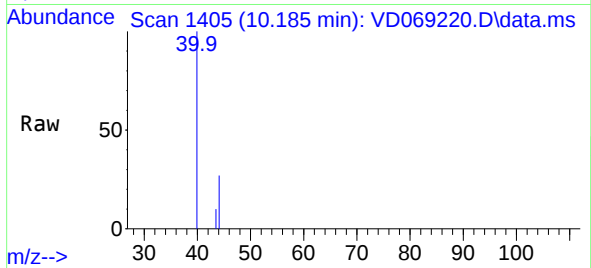




#51
4-Methyl-2-Pentanone
Concen: 2.52 ug/l
RT: 10.185 min Scan# 1405
Delta R.T. -0.041 min
Lab File: VD069220.D
Acq: 20 May 2021 15:54

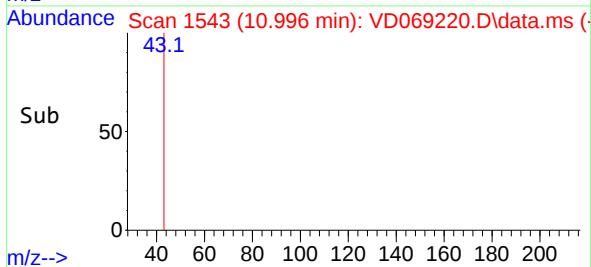
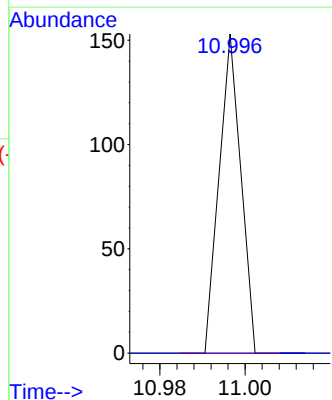
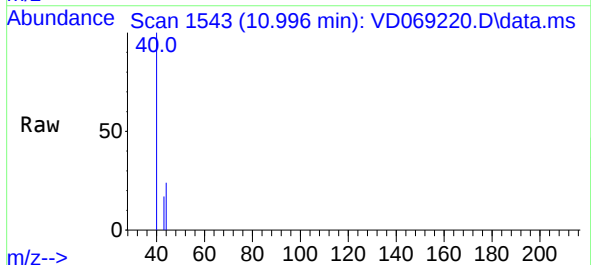
Instrument :
MSVOA_D
ClientSampleId :
CONCESSION-CP-5

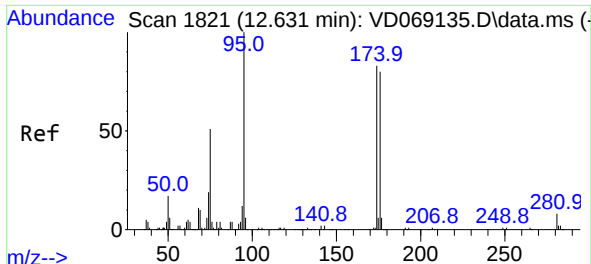
Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
58 0.0 35.0 52.4#



#59
2-Hexanone
Concen: 3.70 ug/l
RT: 10.996 min Scan# 1543
Delta R.T. 0.012 min
Lab File: VD069220.D
Acq: 20 May 2021 15:54

Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
58 0.0 31.1 93.5#

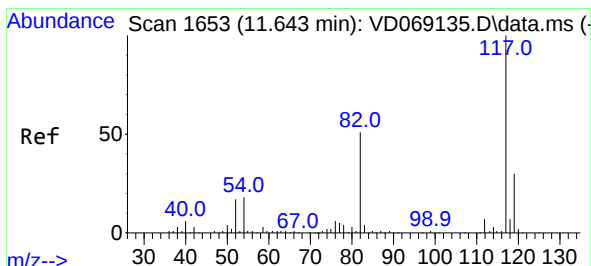
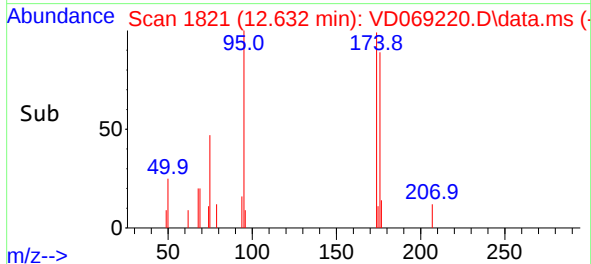
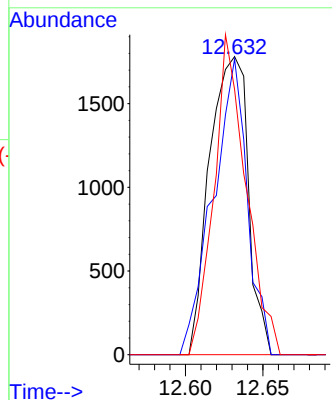
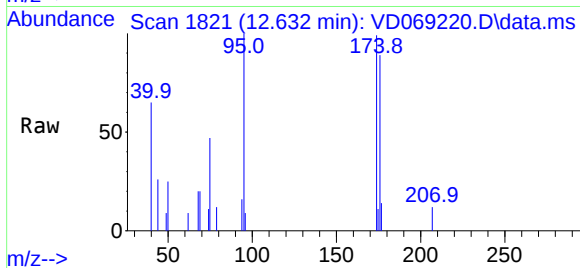




#62
4-Bromofluorobenzene
Concen: 53.54 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD069220.D
Acq: 20 May 2021 15:54

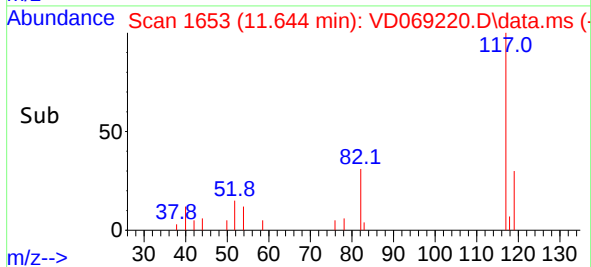
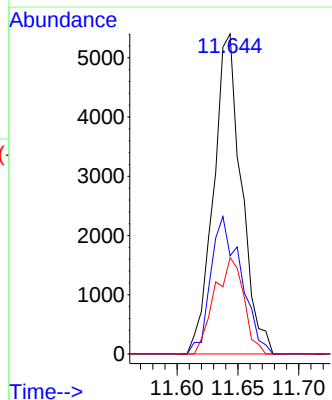
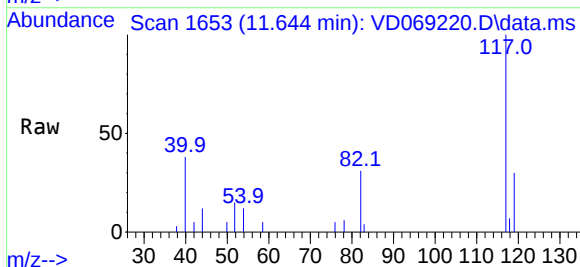
Instrument :
MSVOA_D
ClientSampleId :
CONCESSION-CP-5

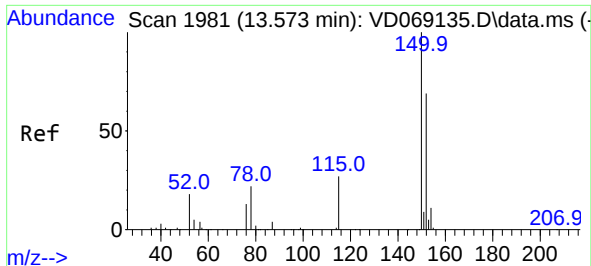
Tgt Ion:	95	Resp:	3087
Ion Ratio	Lower	Upper	
95	100		
174	87.9	0.0	171.8
176	89.1	0.0	165.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069220.D
Acq: 20 May 2021 15:54

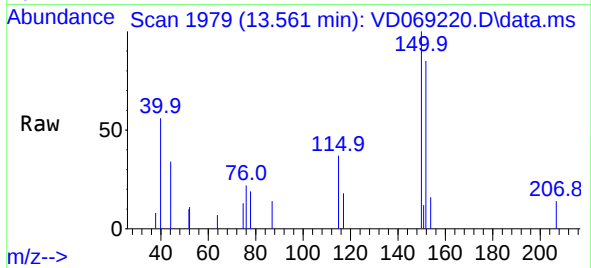
Tgt Ion:	117	Resp:	8597
Ion Ratio	Lower	Upper	
117	100		
82	30.7	40.5	60.7#
119	30.1	24.2	36.4



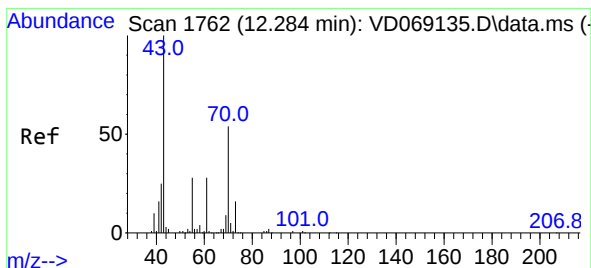
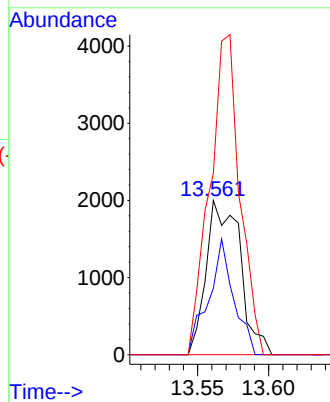
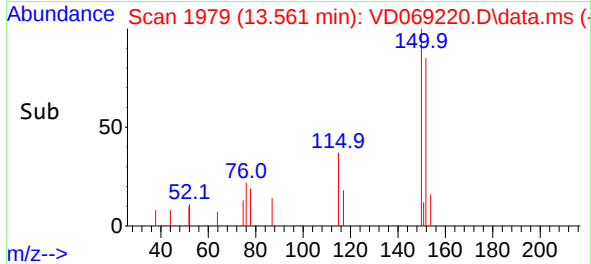


#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.011 min
Lab File: VD069220.D
Acq: 20 May 2021 15:54

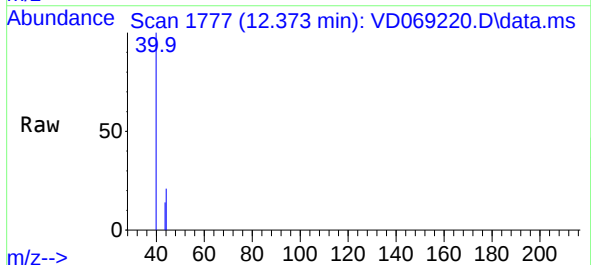
Instrument :
MSVOA_D
ClientSampleId :
CONCESSION-CP-5



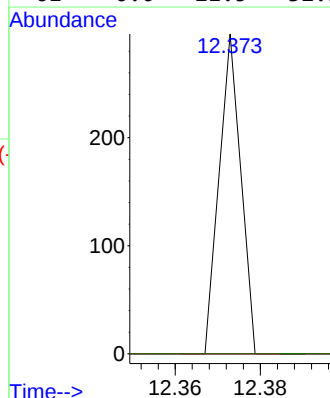
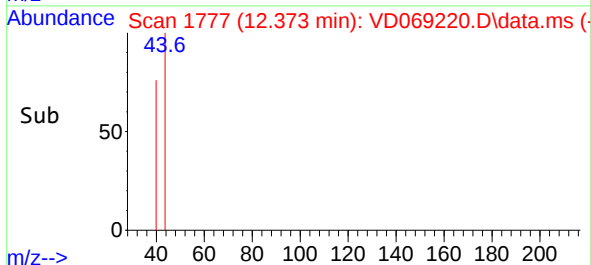
Tgt Ion:152 Resp: 3320
Ion Ratio Lower Upper
152 100
115 55.2 29.9 89.8
150 184.0 0.0 350.2

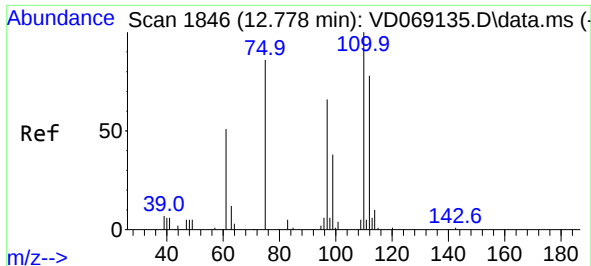


#74
N-ethyl acetate
Concen: 2.74 ug/l
RT: 12.373 min Scan# 1777
Delta R.T. 0.089 min
Lab File: VD069220.D
Acq: 20 May 2021 15:54



Tgt Ion: 43 Resp: 104
Ion Ratio Lower Upper
43 100
70 0.0 41.6 62.4#
55 0.0 22.6 34.0#
61 0.0 21.5 32.3#

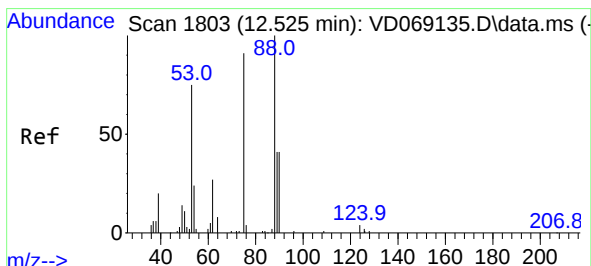
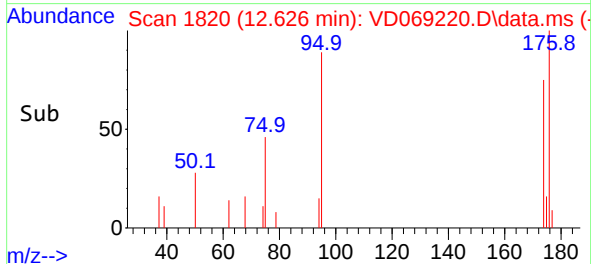
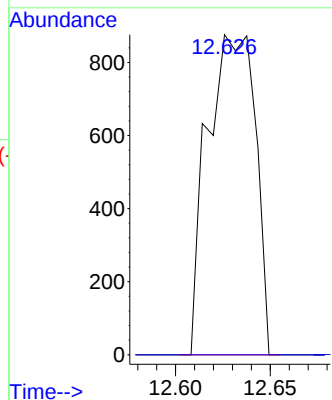
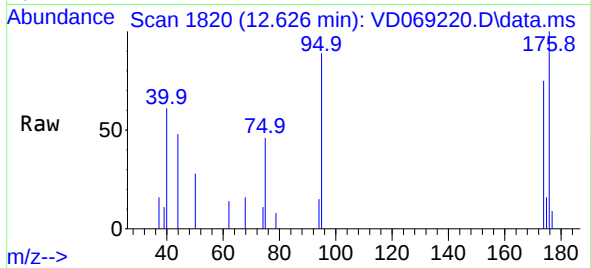




#76
1,2,3-Trichloropropane
Concen: 61.95 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD069220.D
Acq: 20 May 2021 15:54

Instrument :
MSVOA_D
ClientSampleId :
CONCESSION-CP-5

Tgt Ion: 75 Resp: 1546
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 125.13 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069220.D
Acq: 20 May 2021 15:54

Tgt Ion: 75 Resp: 1546
Ion Ratio Lower Upper
75 100
53 0.0 70.0 105.0#
89 0.0 40.2 60.2#

