

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD103122\
 Data File : VD074695.D
 Acq On : 31 Oct 2022 18:27
 Operator : VA/SY
 Sample : N5341-01
 Misc : 5.01G/5.00ml/MSVOA_D/soil
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-1

Quant Time: Nov 01 01:35:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 28 00:18:17 2022
 Response via : Initial Calibration

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

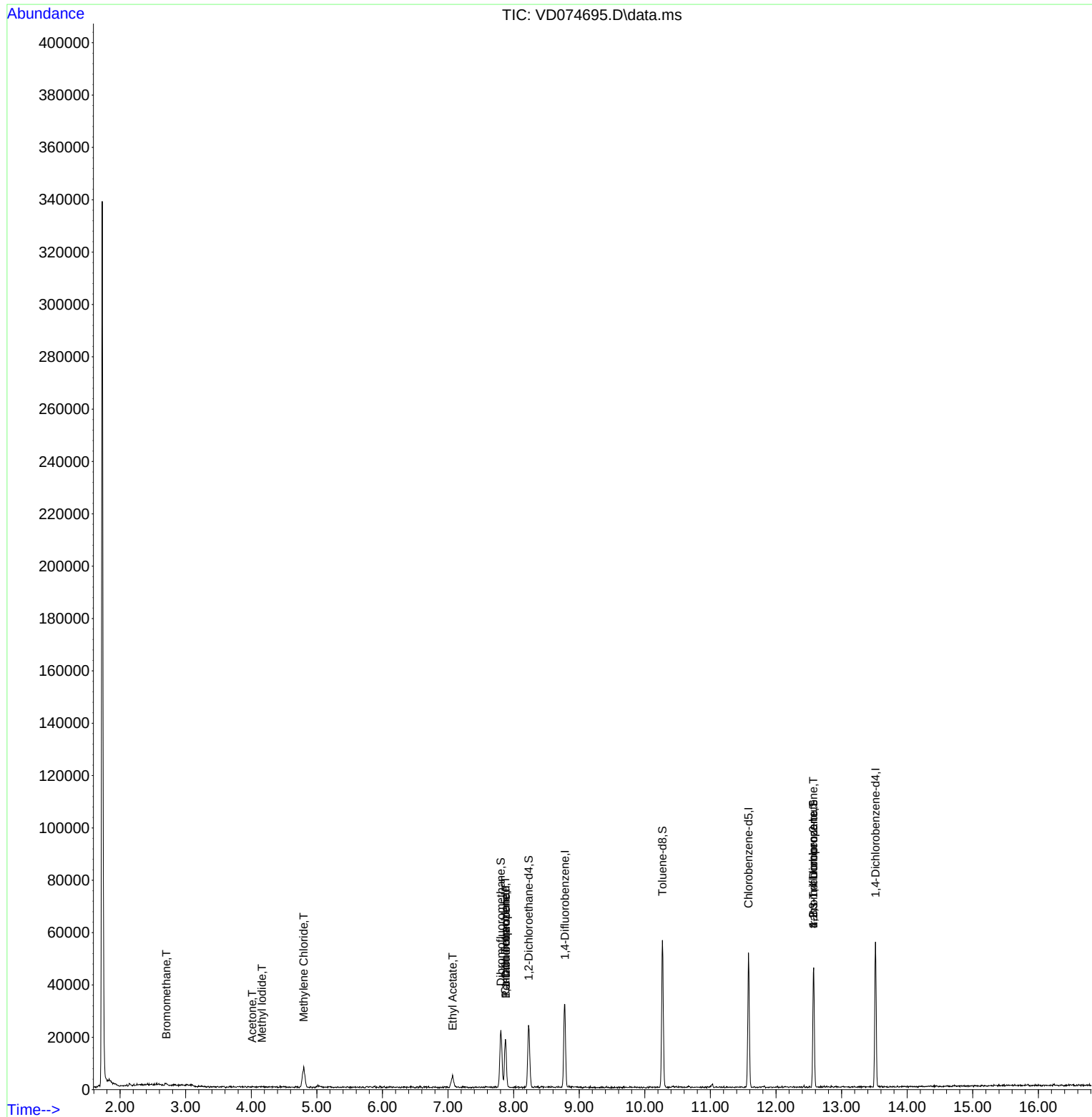
Internal Standards						
1) Pentafluorobenzene	7.881	168	16194	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	32321	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	31788	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	15969	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	18183	133.033	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery	= 266.060%#		
35) Dibromofluoromethane	7.805	113	16161	81.886	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery	= 163.780%#		
50) Toluene-d8	10.269	98	41000	54.020	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery	= 108.040%		
62) 4-Bromofluorobenzene	12.569	95	15284	73.324	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery	= 146.640%#		
Target Compounds						
						Qvalue
3) Chloromethane	2.140	50	471	Below Cal		88
5) Bromomethane	2.705	94	665	3.213 ug/l #		69
10) Methyl Iodide	4.164	142	342	6.818 ug/l #		43
11) Tert butyl alcohol	5.034	59	152	Below Cal #		84
16) Acetone	4.017	43	349	2.395 ug/l #		37
20) Methylene Chloride	4.799	84	6354	22.054 ug/l #		84
25) 2-Butanone	7.069	43	127	Below Cal #		42
36) 1,1-Dichloropropene	7.881	75	1020	3.627 ug/l #		39
37) Ethyl Acetate	7.069	43	127	1.413 ug/l #		66
38) Carbon Tetrachloride	7.875	117	1471	5.629 ug/l #		14
76) 1,2,3-Trichloropropane	12.569	75	7331	58.698 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.569	75	7331	155.347 ug/l #		17

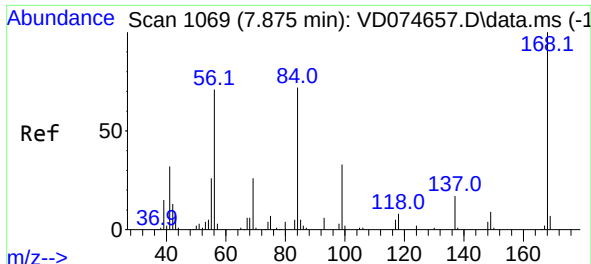
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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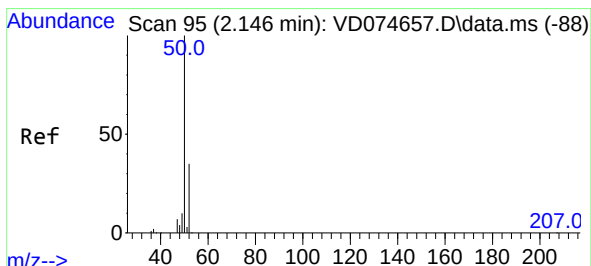
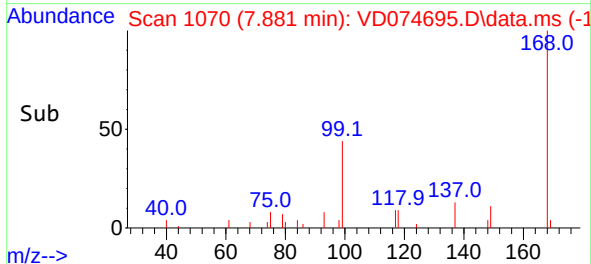
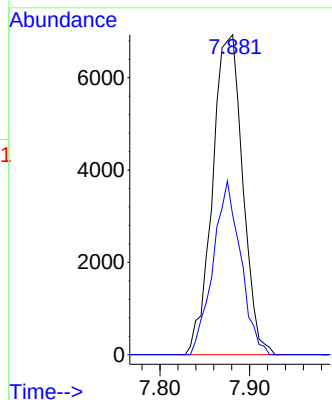
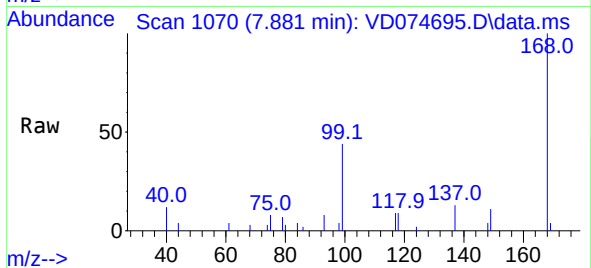




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD074695.D
Acq: 31 Oct 2022 18:27

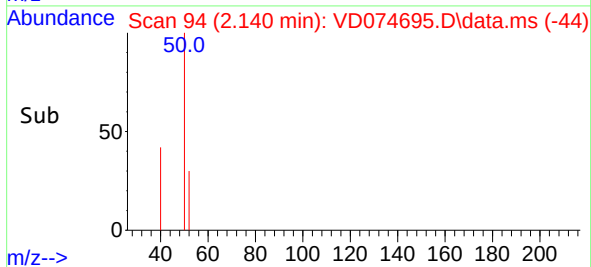
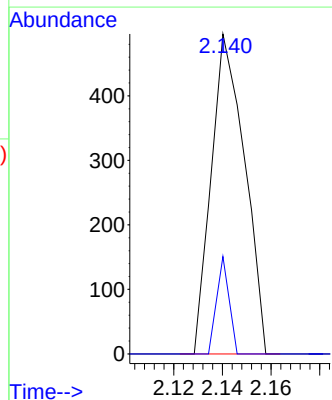
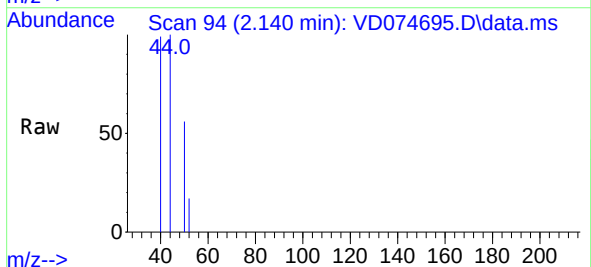
Instrument :
MSVOA_D
ClientSampleId :
WC-1

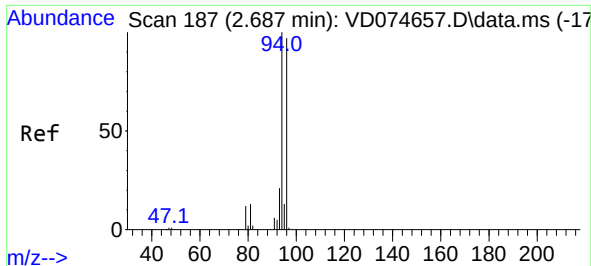
Tgt Ion:168 Resp: 16194
Ion Ratio Lower Upper
168 100
99 43.5 40.9 61.3



#3
Chloromethane
Concen: Below Cal
RT: 2.140 min Scan# 94
Delta R.T. -0.006 min
Lab File: VD074695.D
Acq: 31 Oct 2022 18:27

Tgt Ion: 50 Resp: 471
Ion Ratio Lower Upper
50 100
52 30.4 30.0 45.0

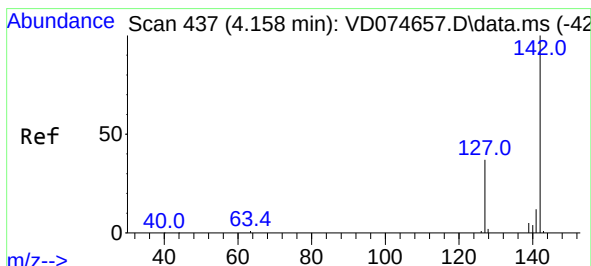
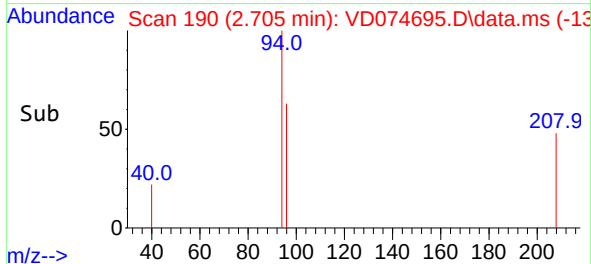
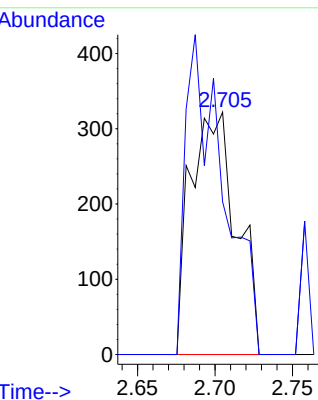
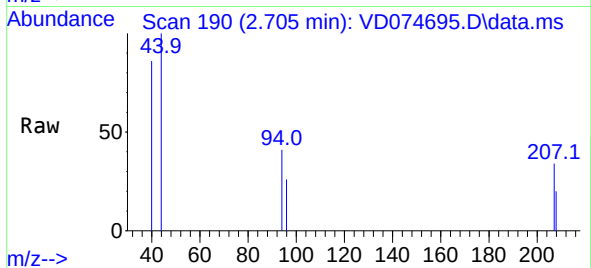




#5
Bromomethane
Concen: 3.213 ug/l
RT: 2.705 min Scan# 19
Delta R.T. 0.018 min
Lab File: VD074695.D
Acq: 31 Oct 2022 18:27

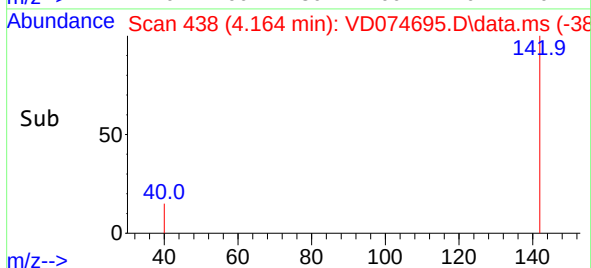
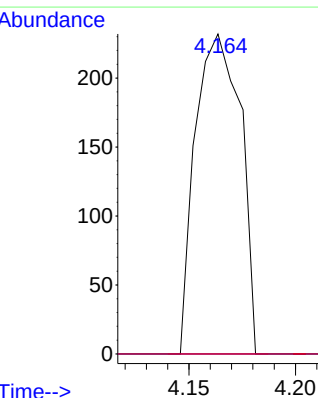
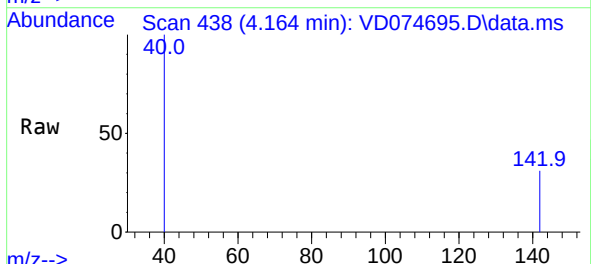
Instrument :
MSVOA_D
ClientSampleId :
WC-1

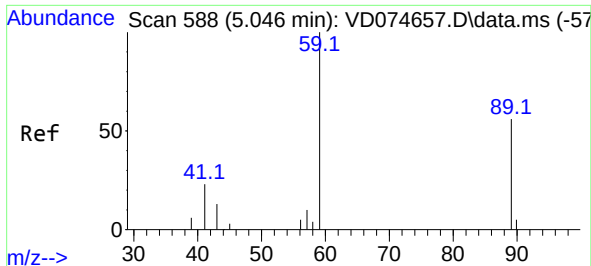
Tgt Ion: 94 Resp: 665
Ion Ratio Lower Upper
94 100
96 63.0 74.6 112.0#



#10
Methyl Iodide
Concen: 6.818 ug/l
RT: 4.164 min Scan# 438
Delta R.T. 0.006 min
Lab File: VD074695.D
Acq: 31 Oct 2022 18:27

Tgt Ion: 142 Resp: 342
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#

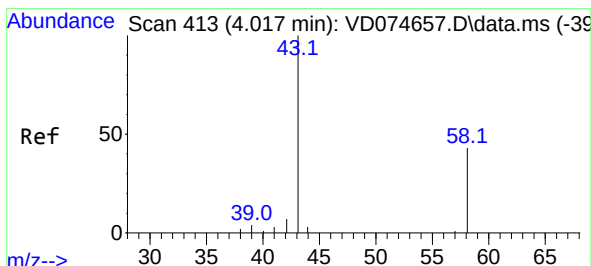
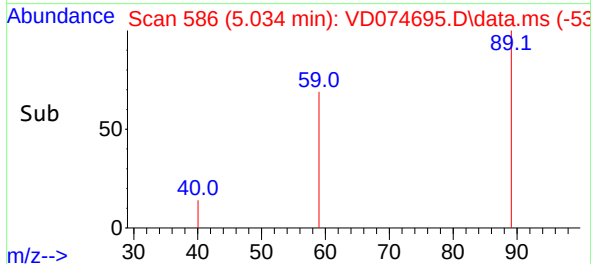
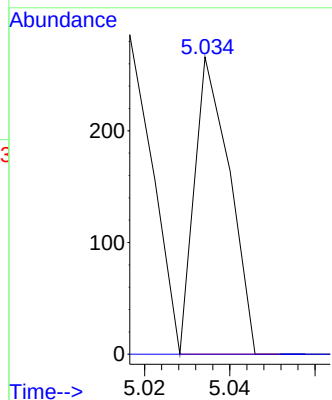
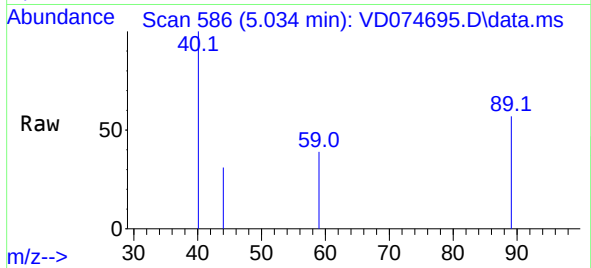




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.034 min Scan# 51
Delta R.T. -0.012 min
Lab File: VD074695.D
Acq: 31 Oct 2022 18:27

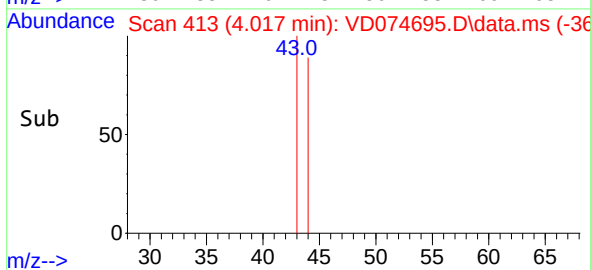
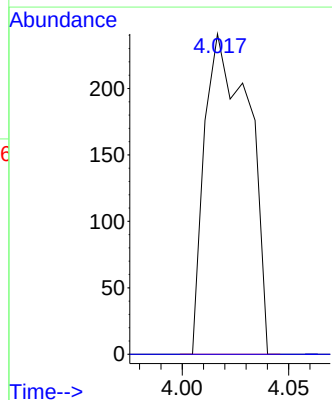
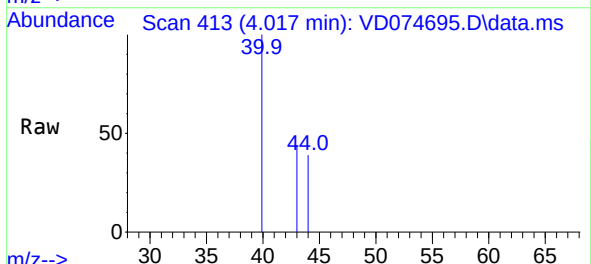
Instrument :
MSVOA_D
ClientSampleId :
WC-1

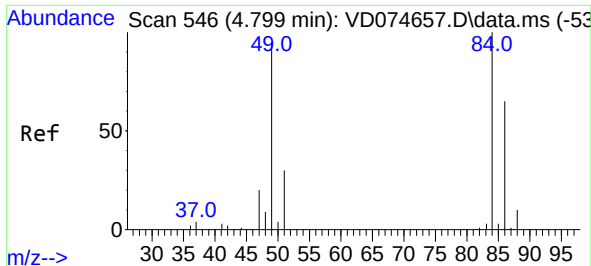
Tgt Ion: 59 Resp: 152
Ion Ratio Lower Upper
59 100
57 0.0 4.4 6.6#



#16
Acetone
Concen: 2.395 ug/l
RT: 4.017 min Scan# 413
Delta R.T. -0.000 min
Lab File: VD074695.D
Acq: 31 Oct 2022 18:27

Tgt Ion: 43 Resp: 349
Ion Ratio Lower Upper
43 100
58 0.0 30.2 45.2#

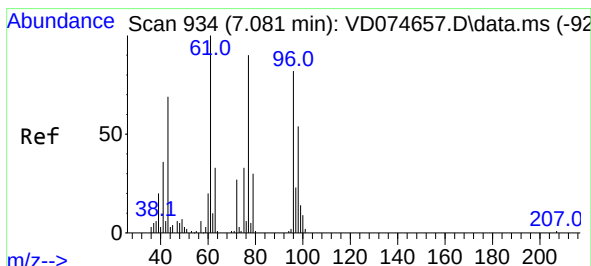
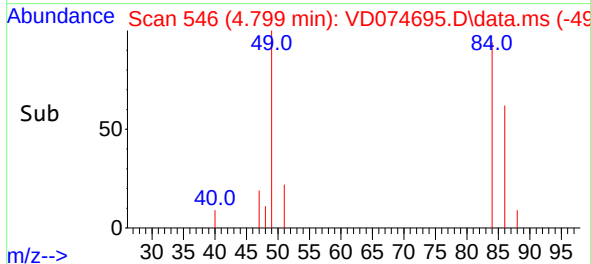
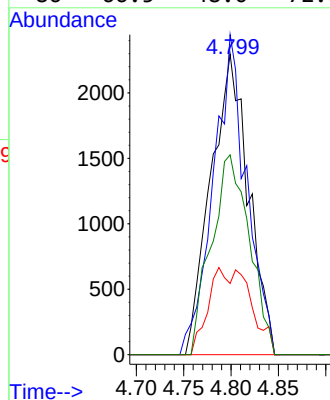
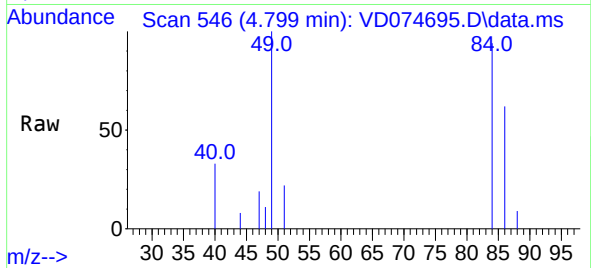




#20
Methylene Chloride
Concen: 22.054 ug/l
RT: 4.799 min Scan# 54
Delta R.T. -0.000 min
Lab File: VD074695.D
Acq: 31 Oct 2022 18:27

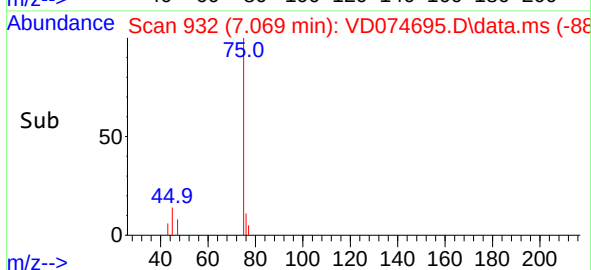
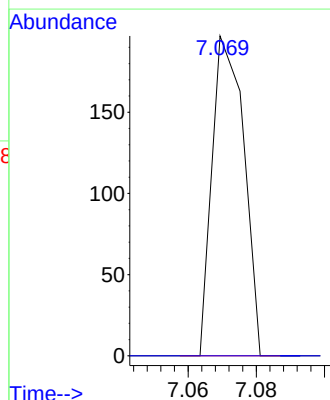
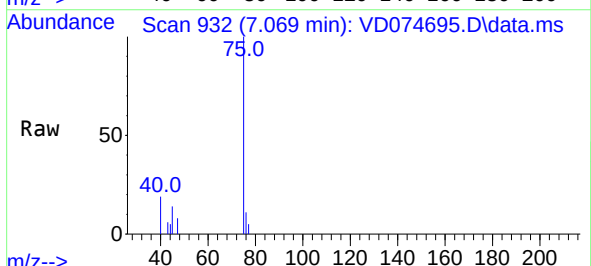
Instrument :
MSVOA_D
ClientSampleId :
WC-1

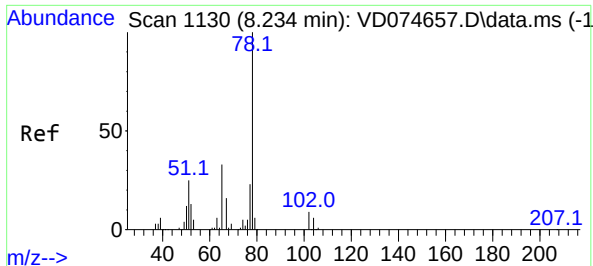
Tgt Ion: 84	Resp: 6354
Ion Ratio	Lower Upper
84 100	
49 106.5	68.0 102.0#
51 23.7	23.2 34.8
86 66.5	48.0 72.0



#25
2-Butanone
Concen: Below Cal
RT: 7.069 min Scan# 932
Delta R.T. -0.012 min
Lab File: VD074695.D
Acq: 31 Oct 2022 18:27

Tgt Ion: 43	Resp:	127	
Ion	Ratio	Lower	Upper
43	100		
72	0.0	25.8	38.8#





#33

1,2-Dichloroethane-d4

Concen: 133.033 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD074695.D

Acq: 31 Oct 2022 18:27

Instrument :

MSVOA_D

ClientSampleId :

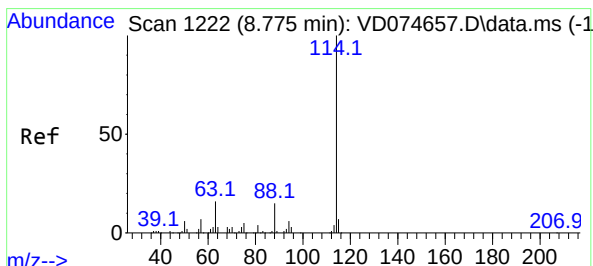
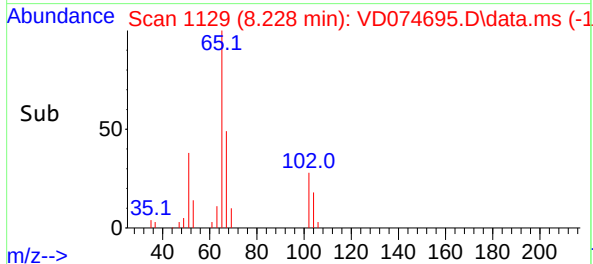
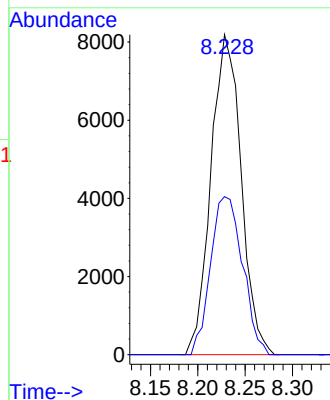
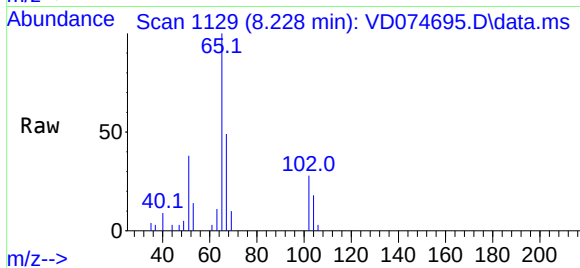
WC-1

Tgt Ion: 65 Resp: 18183

Ion Ratio Lower Upper

65 100

67 52.3 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD074695.D

Acq: 31 Oct 2022 18:27

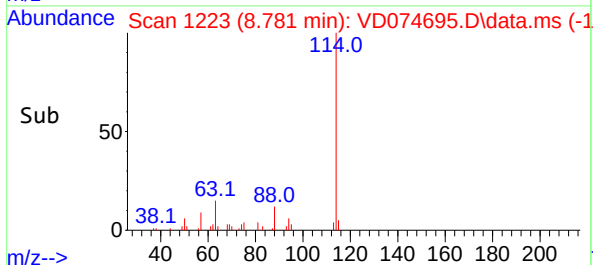
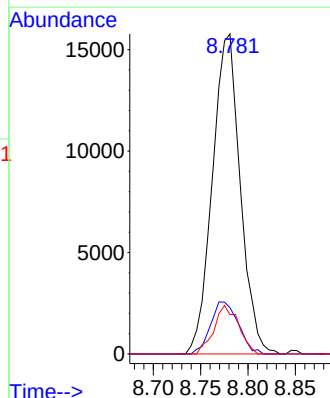
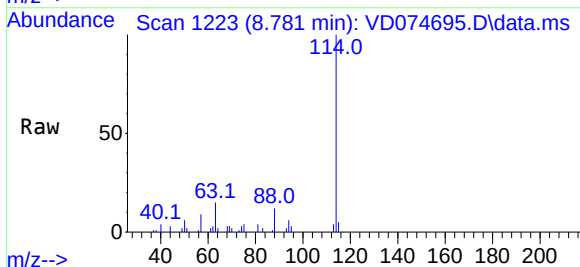
Tgt Ion:114 Resp: 32321

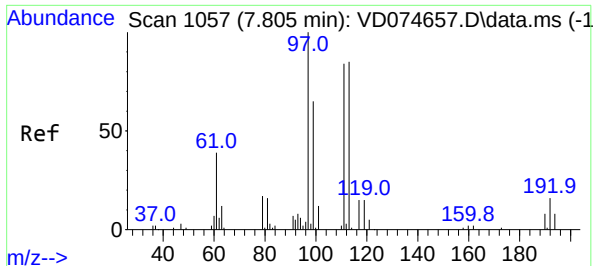
Ion Ratio Lower Upper

114 100

63 14.5 0.0 33.2

88 12.3 0.0 28.2

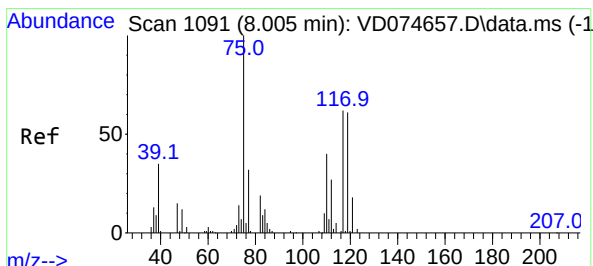
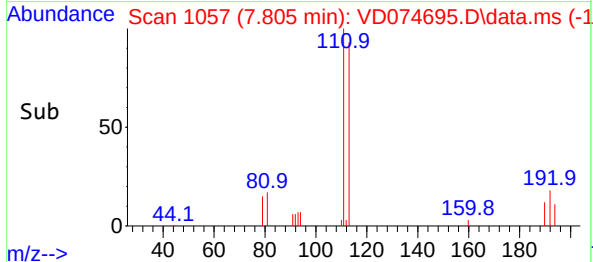
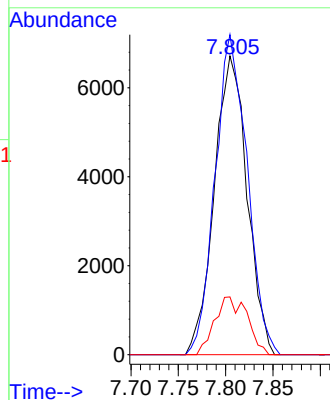
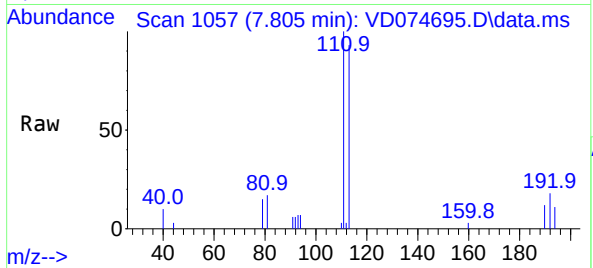




#35
Dibromofluoromethane
Concen: 81.886 ug/l
RT: 7.805 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VD074695.D
Acq: 31 Oct 2022 18:27

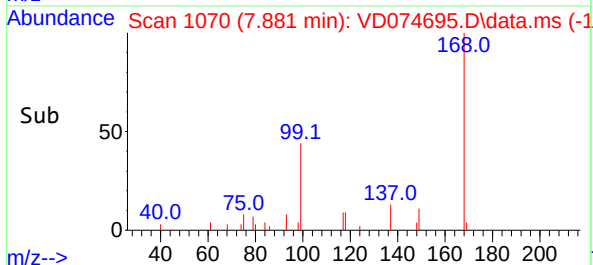
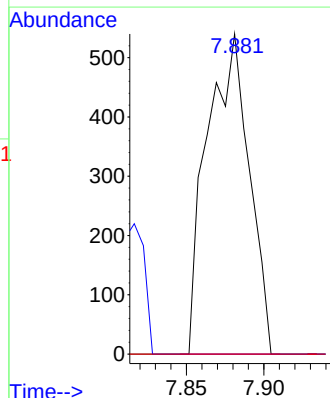
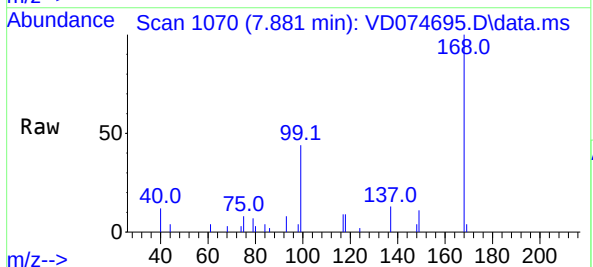
Instrument :
MSVOA_D
ClientSampleId :
WC-1

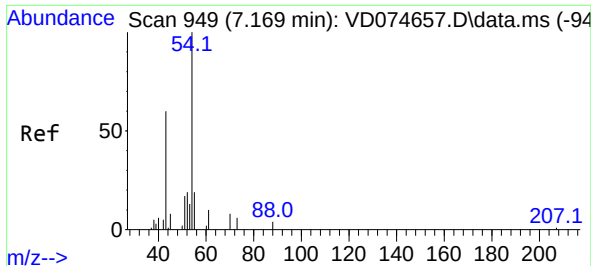
Tgt Ion:	113	Resp:	16161
Ion	Ratio	Lower	Upper
113	100		
111	104.9	82.3	123.5
192	19.2	16.4	24.6



#36
1,1-Dichloropropene
Concen: 3.627 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.124 min
Lab File: VD074695.D
Acq: 31 Oct 2022 18:27

Tgt Ion:	75	Resp:	1020
Ion	Ratio	Lower	Upper
75	100		
110	0.0	19.7	59.0#
77	0.0	25.4	38.2#





#37

Ethyl Acetate

Concen: 1.413 ug/l

RT: 7.069 min Scan# 91

Delta R.T. -0.100 min

Lab File: VD074695.D

Acq: 31 Oct 2022 18:27

Instrument :

MSVOA_D

ClientSampleId :

WC-1

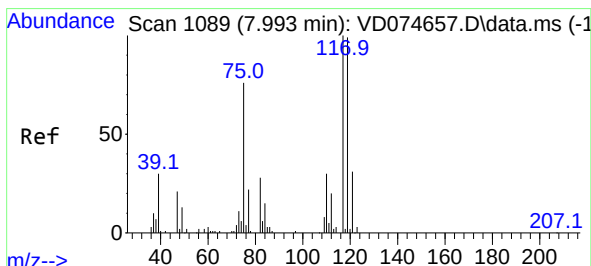
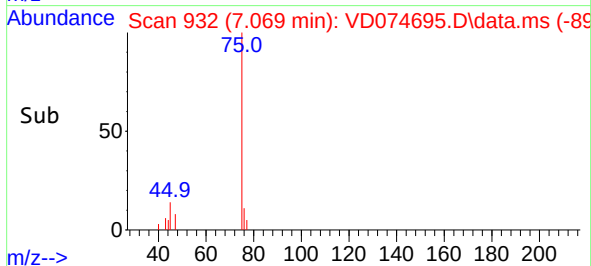
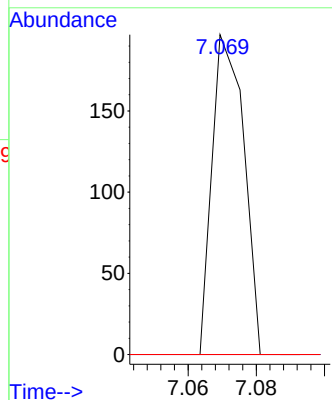
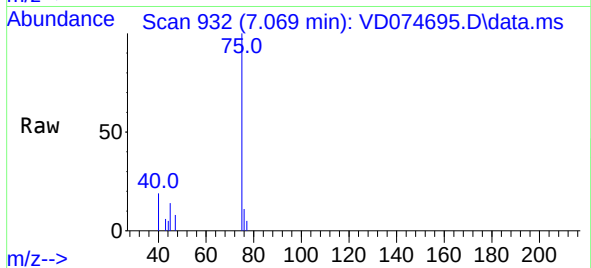
Tgt Ion: 43 Resp: 127

Ion Ratio Lower Upper

43 100

61 0.0 12.2 18.4#

70 0.0 9.6 14.4#



#38

Carbon Tetrachloride

Concen: 5.629 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD074695.D

Acq: 31 Oct 2022 18:27

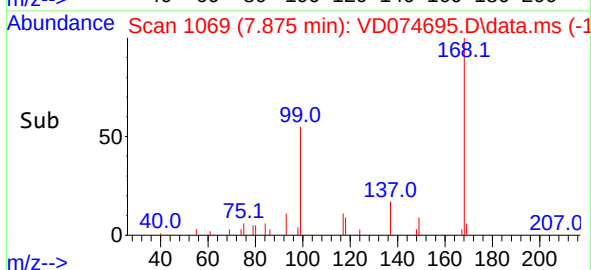
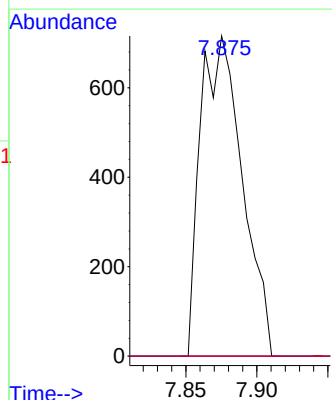
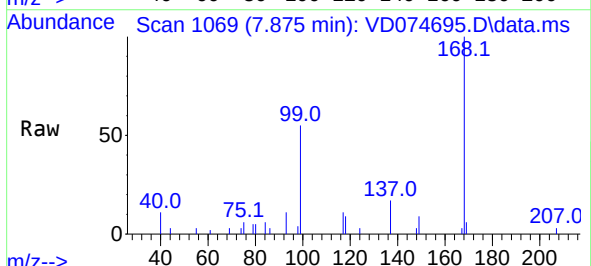
Tgt Ion: 117 Resp: 1471

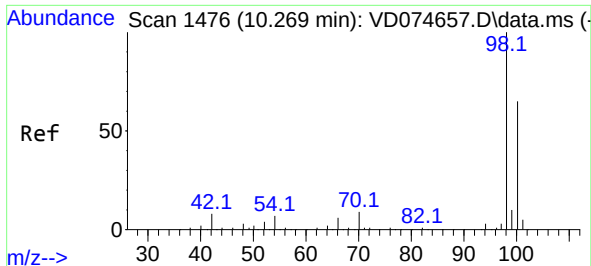
Ion Ratio Lower Upper

117 100

119 0.0 73.1 109.7#

121 0.0 25.0 37.6#

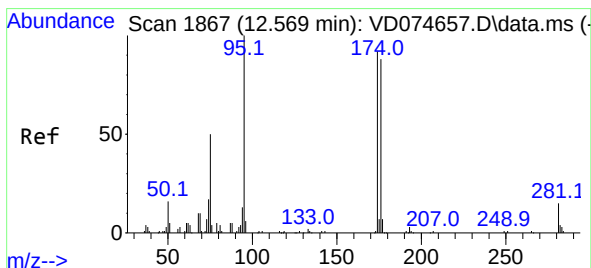
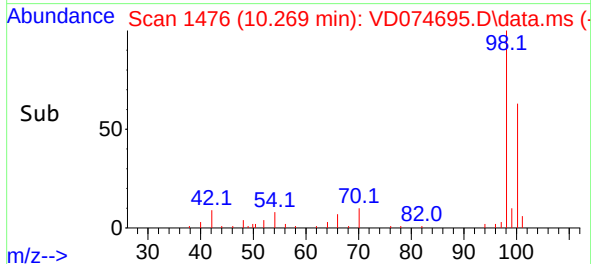
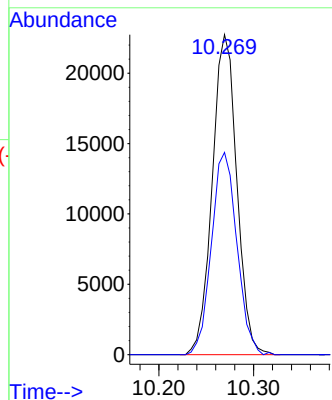
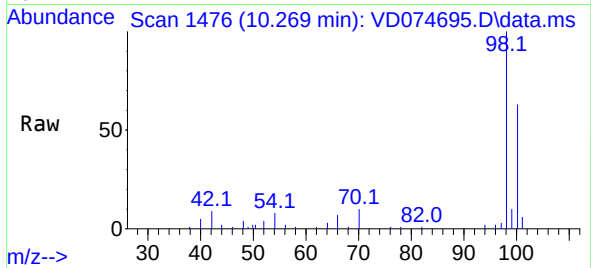




#50
Toluene-d8
Concen: 54.020 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074695.D
Acq: 31 Oct 2022 18:27

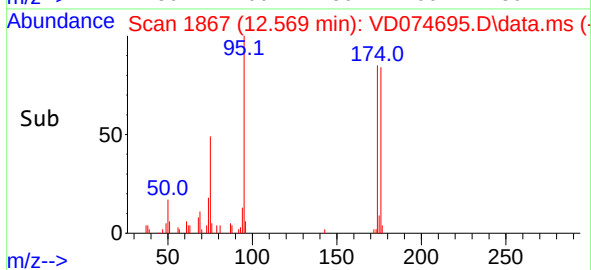
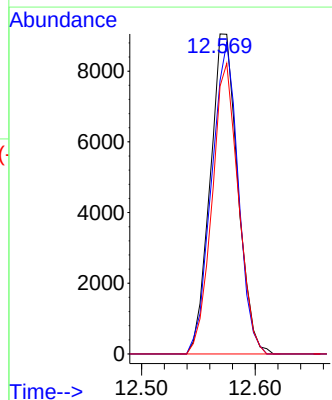
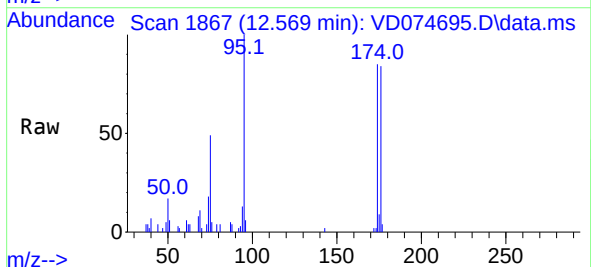
Instrument :
MSVOA_D
ClientSampleId :
WC-1

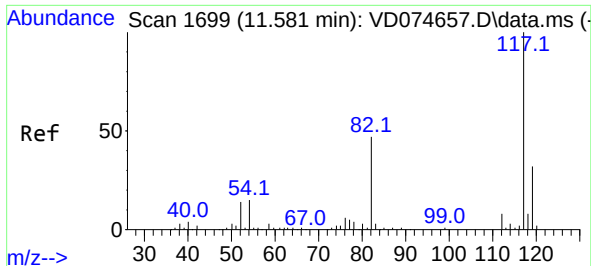
Tgt Ion: 98 Resp: 41000
Ion Ratio Lower Upper
98 100
100 65.5 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 73.324 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD074695.D
Acq: 31 Oct 2022 18:27

Tgt Ion: 95 Resp: 15284
Ion Ratio Lower Upper
95 100
174 93.8 0.0 197.0
176 86.2 0.0 182.6

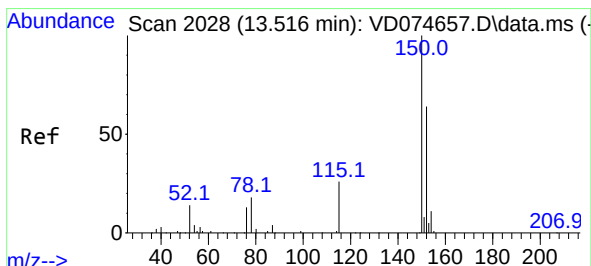
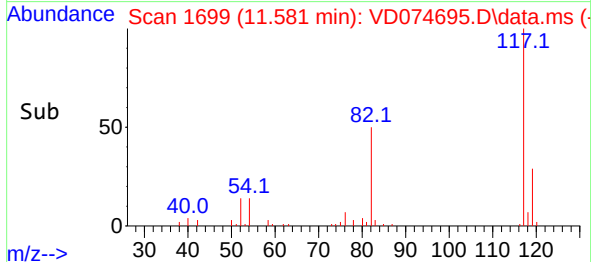
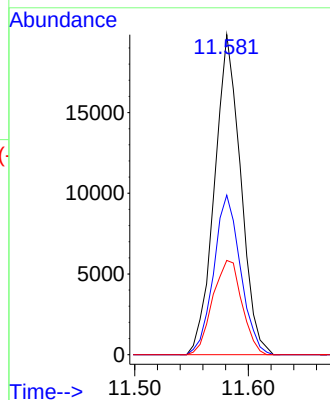
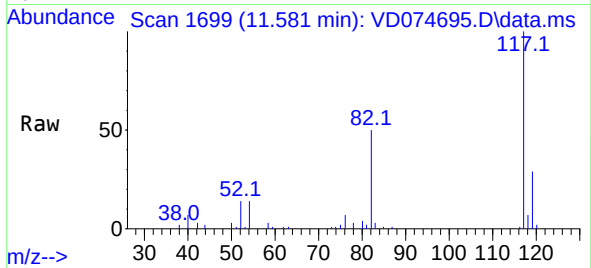




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD074695.D
Acq: 31 Oct 2022 18:27

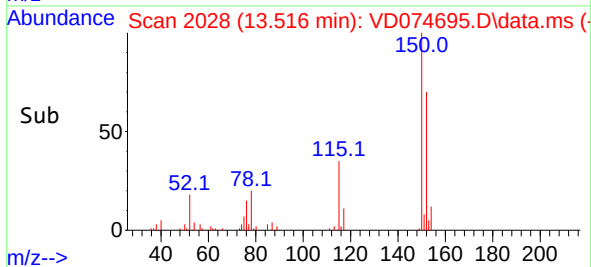
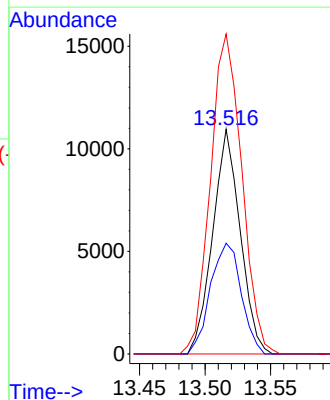
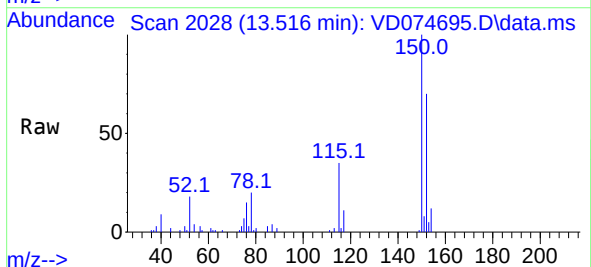
Instrument :
MSVOA_D
ClientSampleId :
WC-1

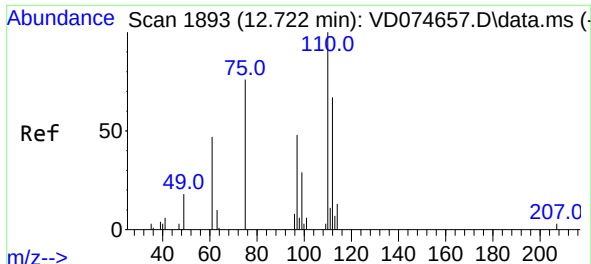
Tgt Ion:117 Resp: 31788
Ion Ratio Lower Upper
117 100
82 49.9 41.6 62.4
119 29.5 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD074695.D
Acq: 31 Oct 2022 18:27

Tgt Ion:152 Resp: 15969
Ion Ratio Lower Upper
152 100
115 55.2 26.8 80.4
150 162.4 0.0 348.2

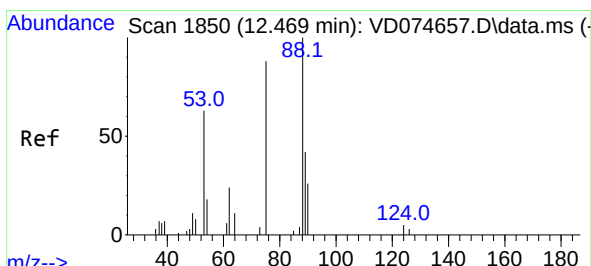
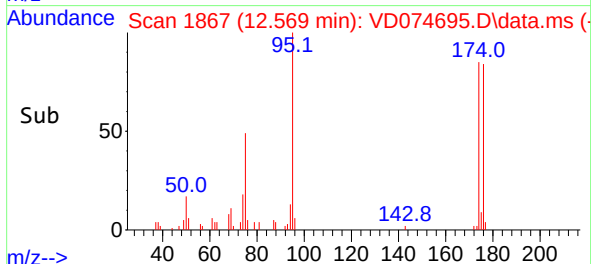
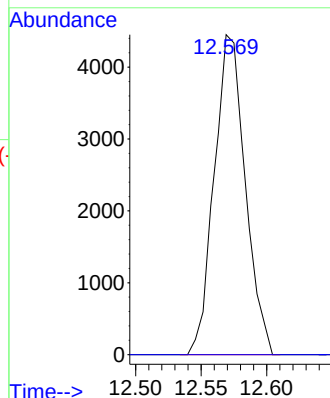
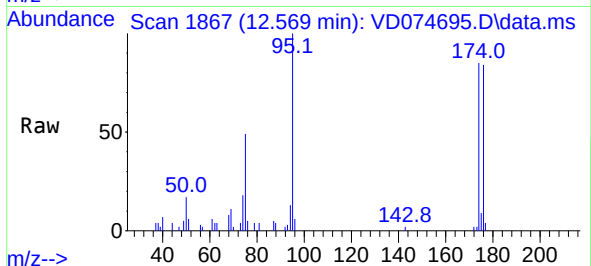




#76
1,2,3-Trichloropropane
Concen: 58.698 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD074695.D
Acq: 31 Oct 2022 18:27

Instrument :
MSVOA_D
ClientSampleId :
WC-1

Tgt Ion: 75 Resp: 7331
Ion Ratio Lower Upper
75 100
77 0.0 185.8 557.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 155.347 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD074695.D
Acq: 31 Oct 2022 18:27

Tgt Ion: 75 Resp: 7331
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

