

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111722\
 Data File : VD074965.D
 Acq On : 17 Nov 2022 13:12
 Operator : VA/SY
 Sample : N5664-02
 Misc : 4.99G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-2

Quant Time: Nov 17 22:35:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 14 00:51:58 2022
 Response via : Initial Calibration

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

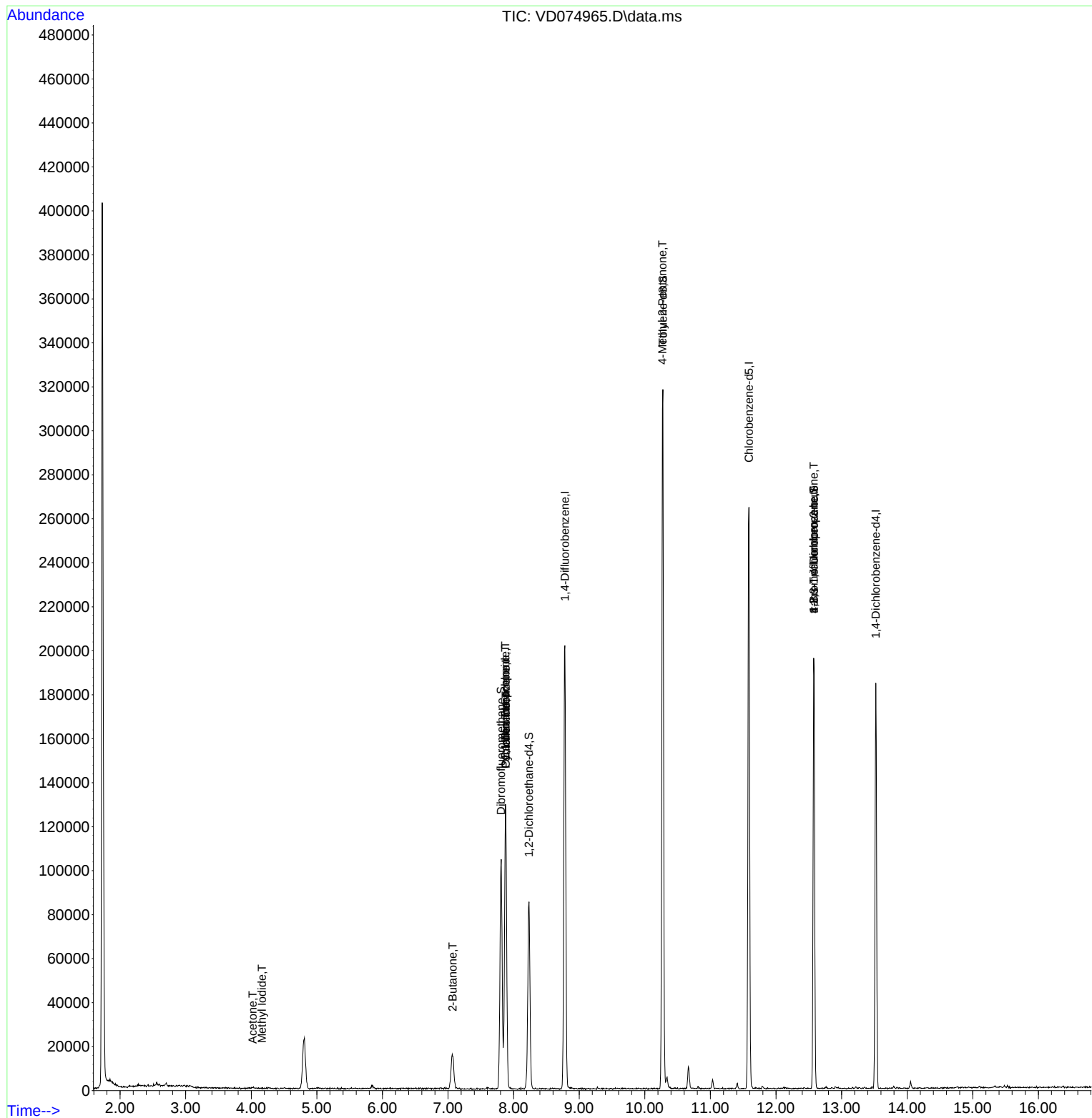
Internal Standards						
1) Pentafluorobenzene	7.881	168	103656	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	198587	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	168751	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	54096	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	66803	103.308	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 206.620%#	
35) Dibromofluoromethane	7.811	113	77589	63.382	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 126.760%	
50) Toluene-d8	10.275	98	232372	57.626	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 115.260%	
62) 4-Bromofluorobenzene	12.575	95	60518	48.875	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 97.760%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.928	85	212	Below Cal	#	70
3) Chloromethane	2.146	50	604	Below Cal	#	69
5) Bromomethane	2.699	94	937	Below Cal		81
10) Methyl Iodide	4.164	142	150	4.877 ug/l	#	43
11) Tert butyl alcohol	5.052	59	113	Below Cal	#	84
16) Acetone	4.022	43	839	4.903 ug/l	#	37
25) 2-Butanone	7.069	43	493	2.203 ug/l	#	42
31) Cyclohexane	7.881	56	1933	1.279 ug/l	#	51
36) 1,1-Dichloropropene	7.875	75	7760	4.313 ug/l	#	45
38) Carbon Tetrachloride	7.875	117	10135	5.985 ug/l	#	21
51) 4-Methyl-2-Pentanone	10.269	43	750	1.480 ug/l	#	1
76) 1,2,3-Trichloropropane	12.575	75	29816	65.898 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.575	75	29816	162.110 ug/l	#	17

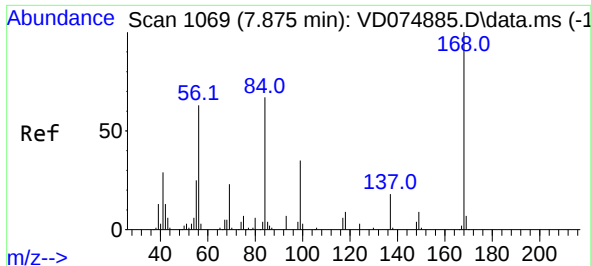
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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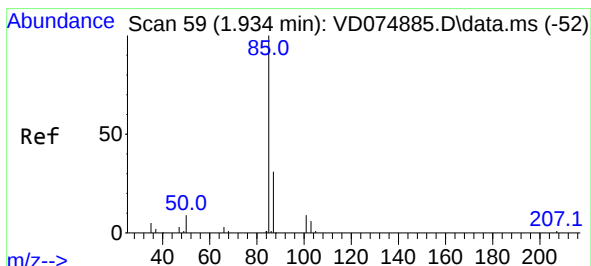
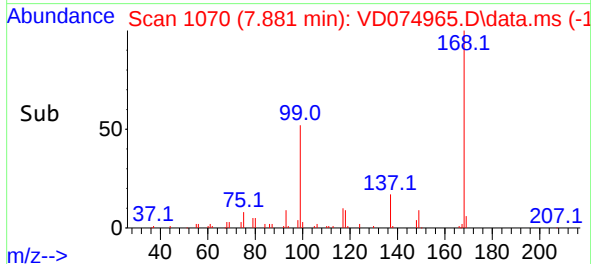
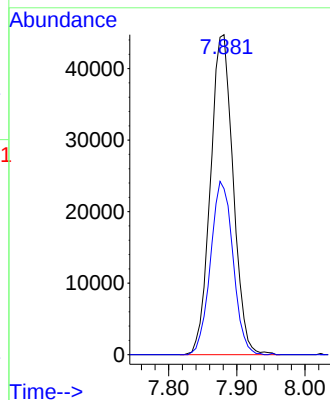
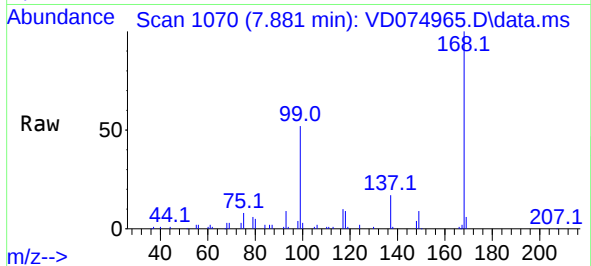




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD074965.D
Acq: 17 Nov 2022 13:12

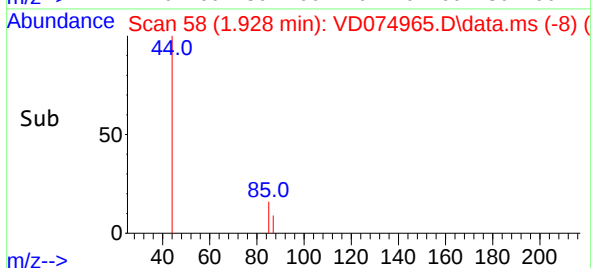
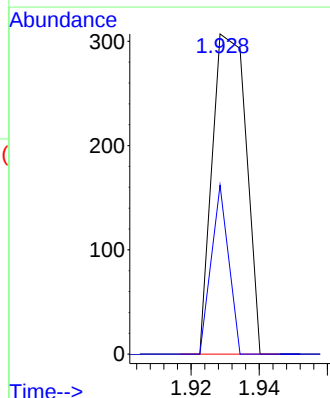
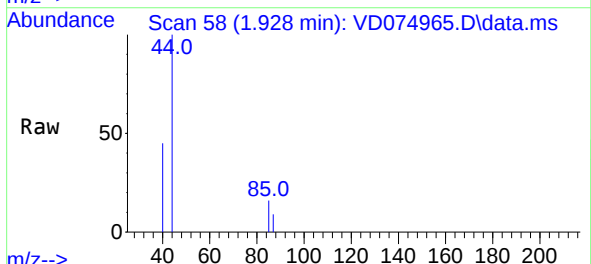
Instrument :
MSVOA_D
ClientSampleId :
B-2

Tgt Ion:168 Resp: 103656
Ion Ratio Lower Upper
168 100
99 51.9 40.9 61.3

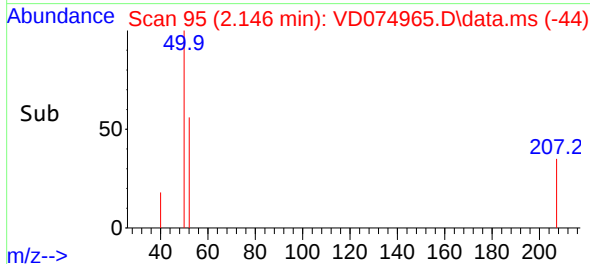
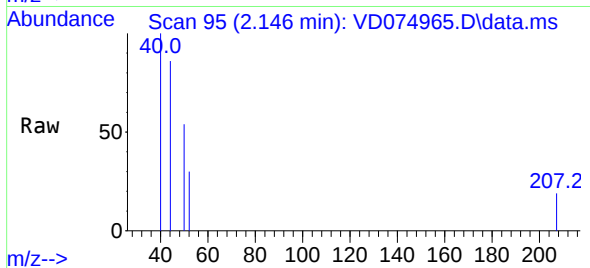
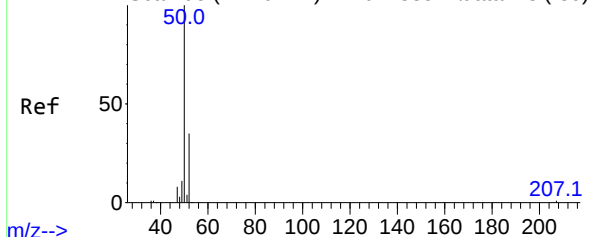


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.928 min Scan# 58
Delta R.T. -0.006 min
Lab File: VD074965.D
Acq: 17 Nov 2022 13:12

Tgt Ion: 85 Resp: 212
Ion Ratio Lower Upper
85 100
87 52.8 17.5 52.6#



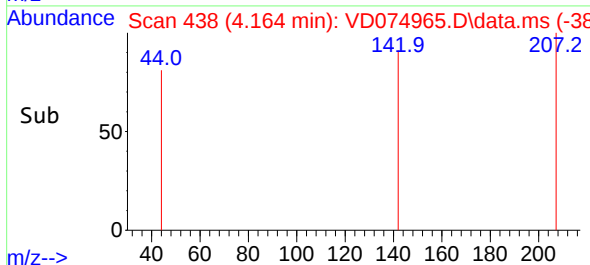
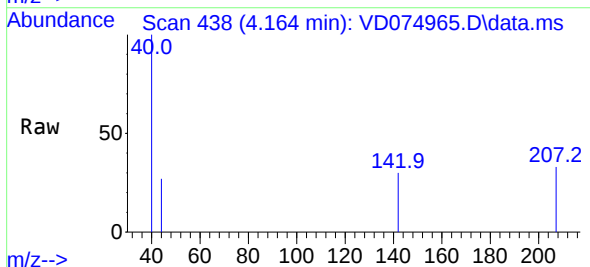
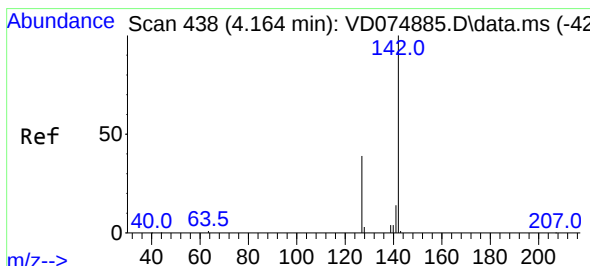
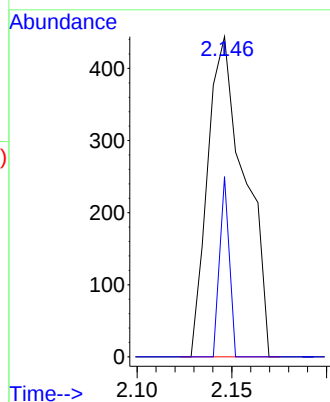
Abundance Scan 95 (2.146 min): VD074885.D\data.ms (-89)



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD074965.D
Acq: 17 Nov 2022 13:12

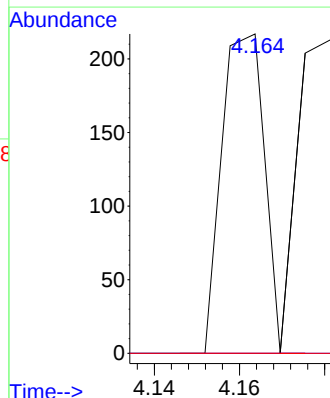
Instrument :
MSVOA_D
ClientSampleId :
B-2

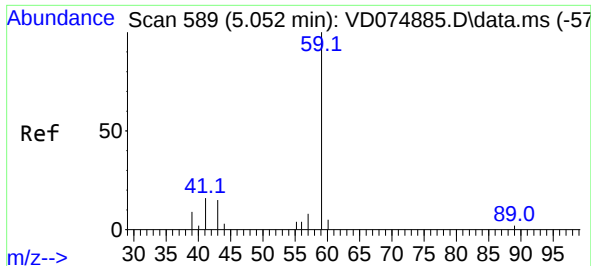
Tgt Ion: 50 Resp: 604
Ion Ratio Lower Upper
50 100
52 56.3 30.0 45.0#



#10
Methyl Iodide
Concen: 4.877 ug/l
RT: 4.164 min Scan# 438
Delta R.T. -0.000 min
Lab File: VD074965.D
Acq: 17 Nov 2022 13:12

Tgt Ion:142 Resp: 150
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#

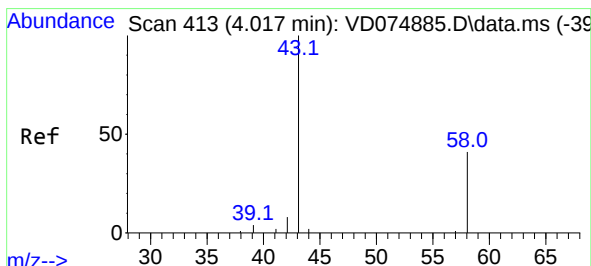
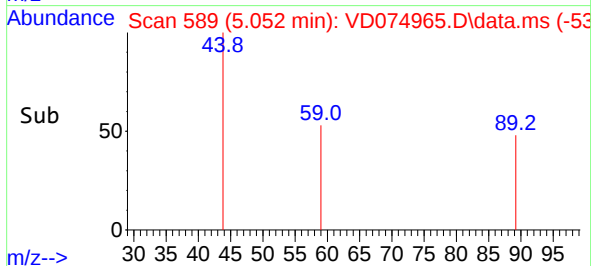
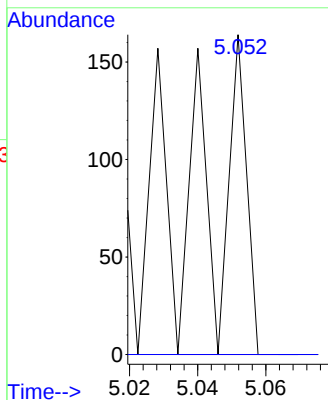
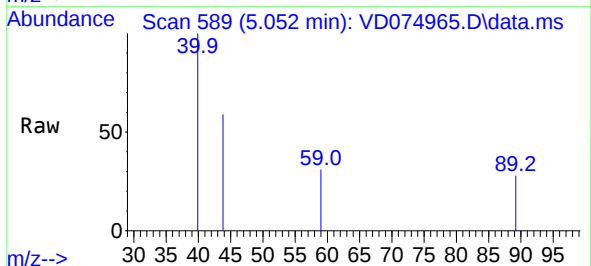




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.052 min Scan# 51
Delta R.T. -0.000 min
Lab File: VD074965.D
Acq: 17 Nov 2022 13:12

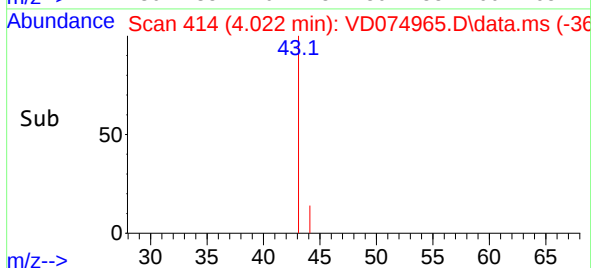
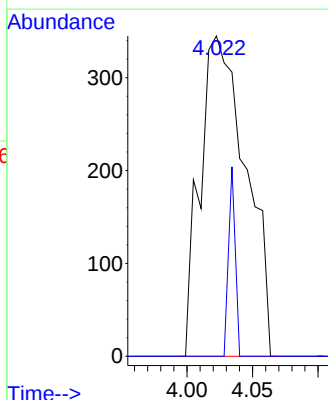
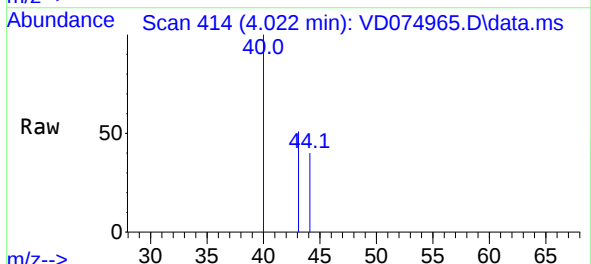
Instrument :
MSVOA_D
ClientSampleId :
B-2

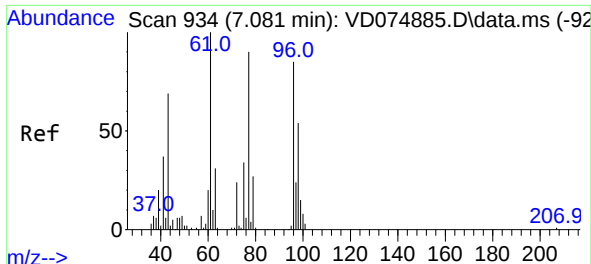
Tgt Ion: 59 Resp: 113
Ion Ratio Lower Upper
59 100
57 0.0 4.4 6.6#



#16
Acetone
Concen: 4.903 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.005 min
Lab File: VD074965.D
Acq: 17 Nov 2022 13:12

Tgt Ion: 43 Resp: 839
Ion Ratio Lower Upper
43 100
58 0.0 30.2 45.2#

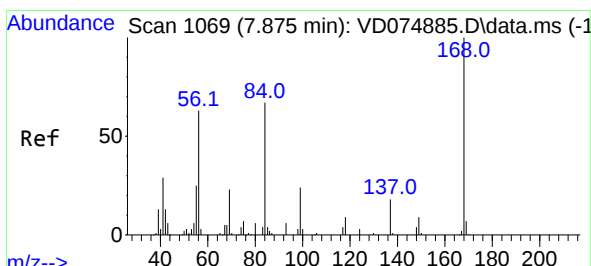
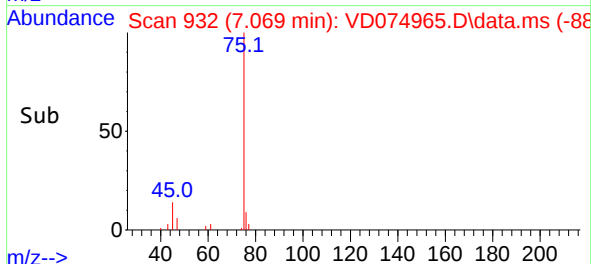
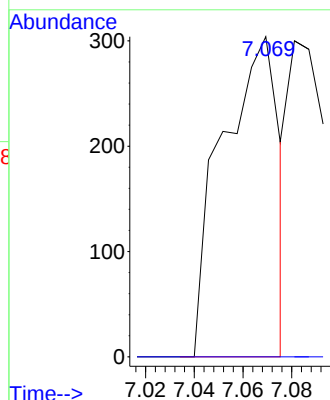
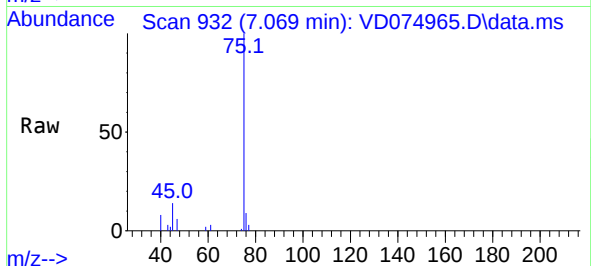




#25
2-Butanone
Concen: 2.203 ug/l
RT: 7.069 min Scan# 91
Delta R.T. -0.012 min
Lab File: VD074965.D
Acq: 17 Nov 2022 13:12

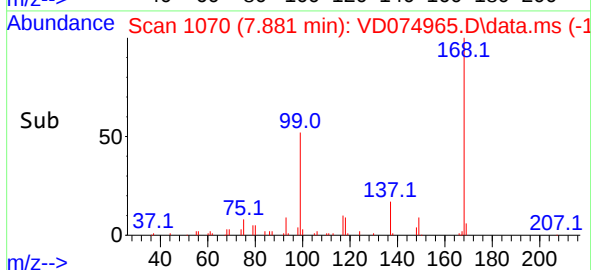
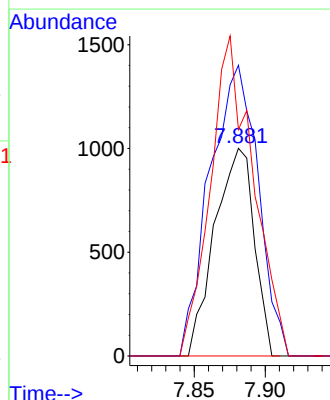
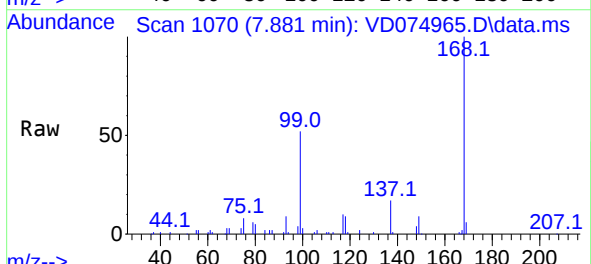
Instrument :
MSVOA_D
ClientSampleId :
B-2

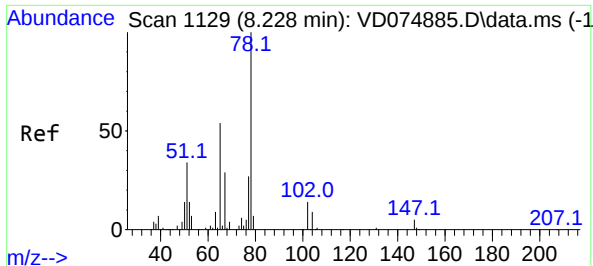
Tgt Ion: 43 Resp: 493
Ion Ratio Lower Upper
43 100
72 0.0 25.8 38.8#



#31
Cyclohexane
Concen: 1.279 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD074965.D
Acq: 17 Nov 2022 13:12

Tgt Ion: 56 Resp: 1933
Ion Ratio Lower Upper
56 100
69 140.0 29.2 43.8#
84 109.0 83.4 125.2





#33

1,2-Dichloroethane-d4

Concen: 103.308 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD074965.D

Acq: 17 Nov 2022 13:12

Instrument :

MSVOA_D

ClientSampleId :

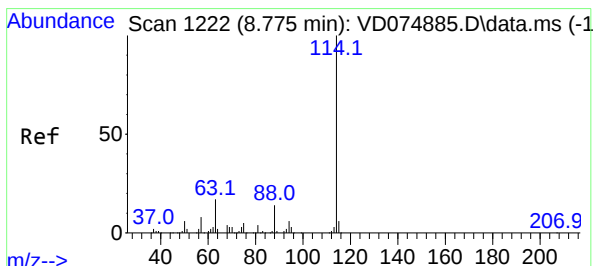
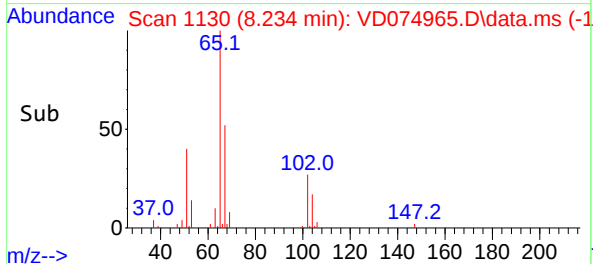
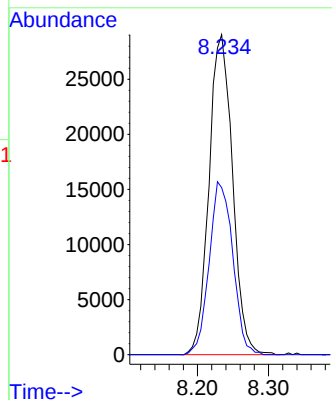
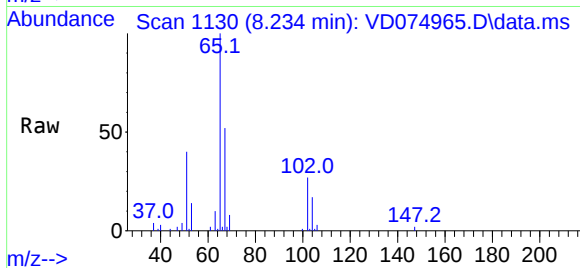
B-2

Tgt Ion: 65 Resp: 66803

Ion Ratio Lower Upper

65 100

67 54.2 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: VD074965.D

Acq: 17 Nov 2022 13:12

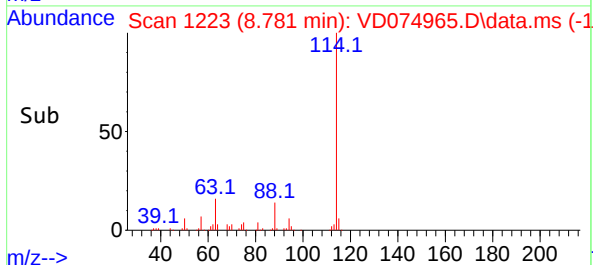
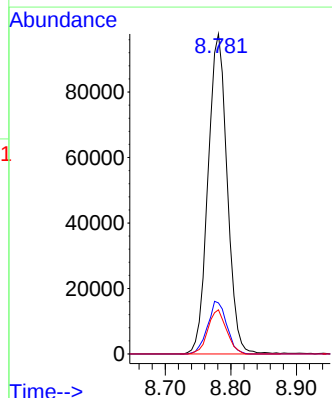
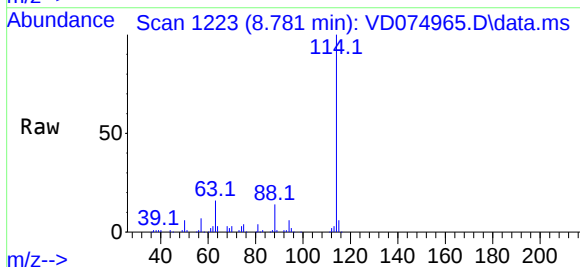
Tgt Ion: 114 Resp: 198587

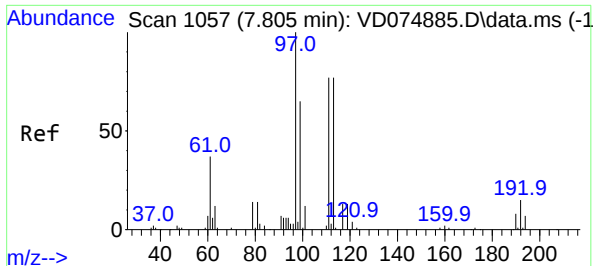
Ion Ratio Lower Upper

114 100

63 16.0 0.0 33.2

88 13.8 0.0 28.2





#35

Dibromofluoromethane

Concen: 63.382 ug/l

RT: 7.811 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD074965.D

Acq: 17 Nov 2022 13:12

Instrument :

MSVOA_D

ClientSampleId :

B-2

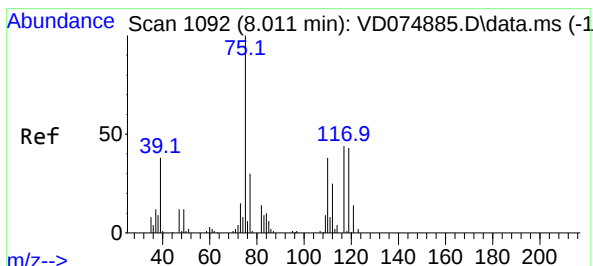
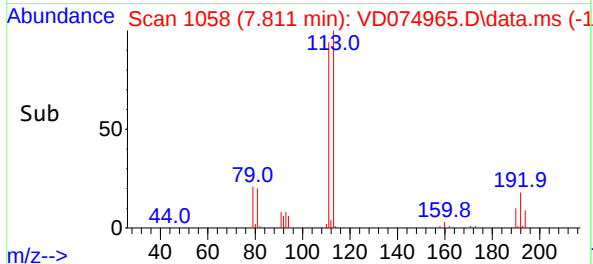
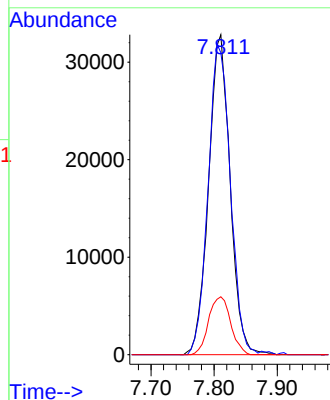
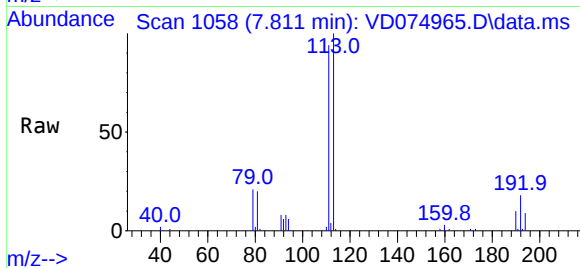
Tgt Ion:113 Resp: 77589

Ion Ratio Lower Upper

113 100

111 100.4 82.3 123.5

192 18.5 16.4 24.6



#36

1,1-Dichloropropene

Concen: 4.313 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.136 min

Lab File: VD074965.D

Acq: 17 Nov 2022 13:12

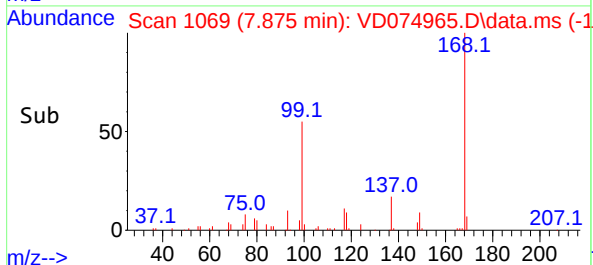
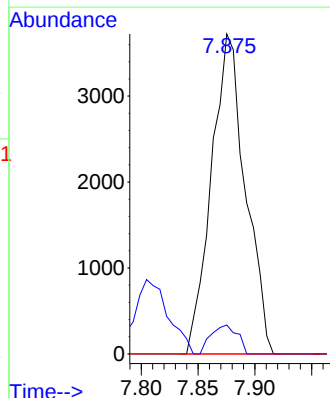
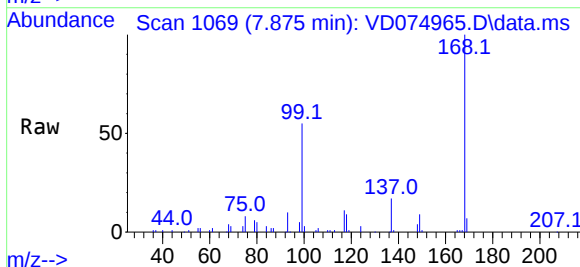
Tgt Ion: 75 Resp: 7760

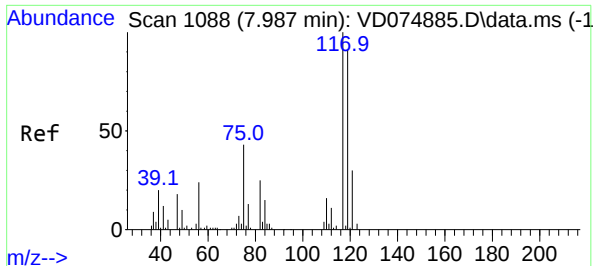
Ion Ratio Lower Upper

75 100

110 7.0 19.7 59.0#

77 0.0 25.4 38.2#

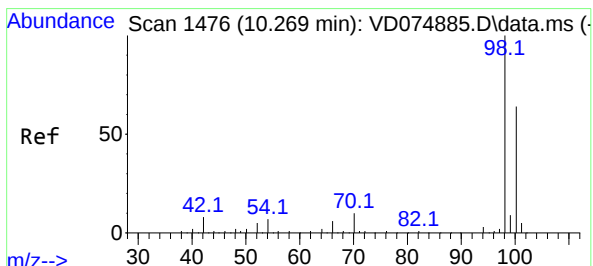
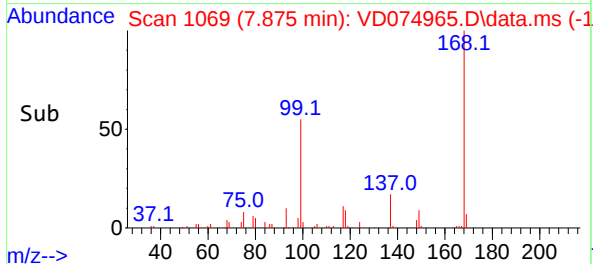
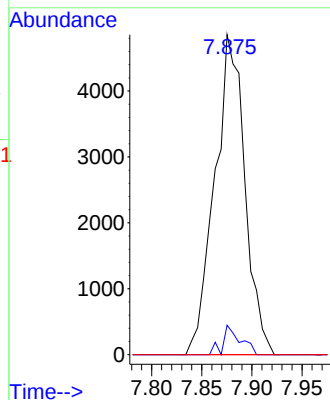
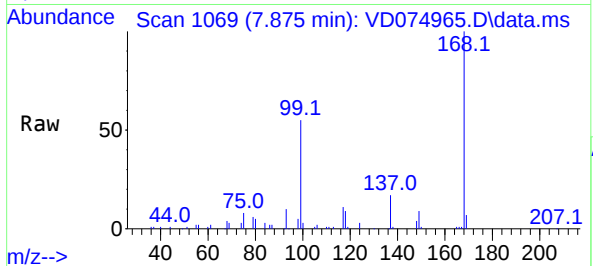




#38
Carbon Tetrachloride
Concen: 5.985 ug/l
RT: 7.875 min Scan# 1088
Delta R.T. -0.112 min
Lab File: VD074965.D
Acq: 17 Nov 2022 13:12

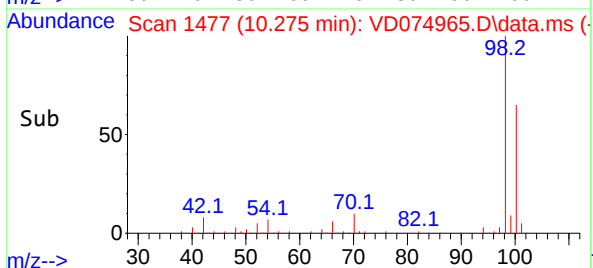
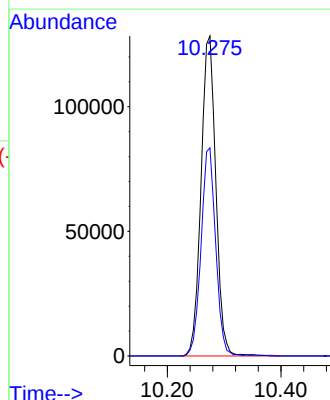
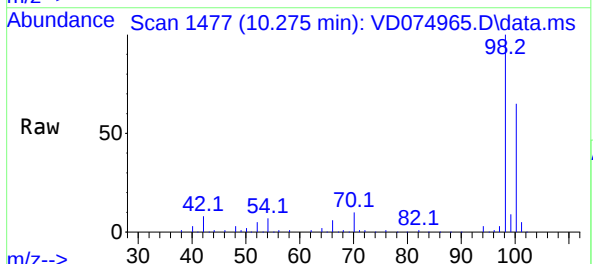
Instrument :
MSVOA_D
ClientSampleId :
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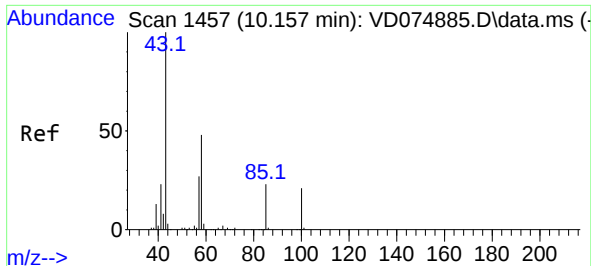
Tgt Ion:117 Resp: 10135
Ion Ratio Lower Upper
117 100
119 9.2 73.1 109.7#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 57.626 ug/l
RT: 10.275 min Scan# 1477
Delta R.T. 0.006 min
Lab File: VD074965.D
Acq: 17 Nov 2022 13:12

Tgt Ion: 98 Resp: 232372
Ion Ratio Lower Upper
98 100
100 64.0 51.4 77.0

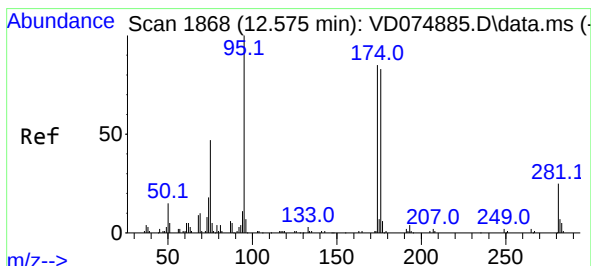
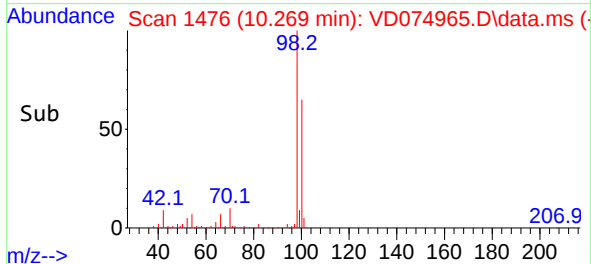
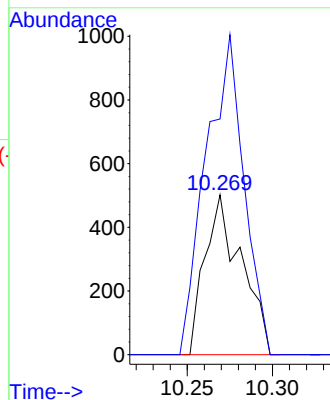
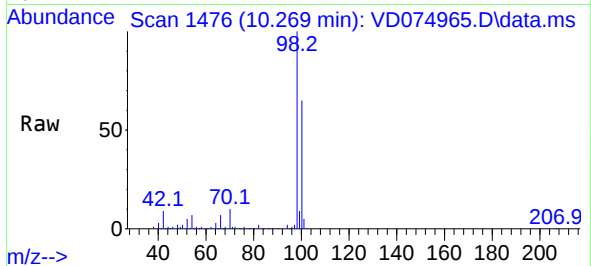




#51
4-Methyl-2-Pentanone
Concen: 1.480 ug/l
RT: 10.269 min Scan# 1457
Delta R.T. 0.112 min
Lab File: VD074965.D
Acq: 17 Nov 2022 13:12

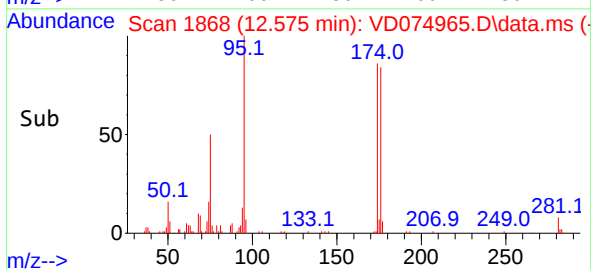
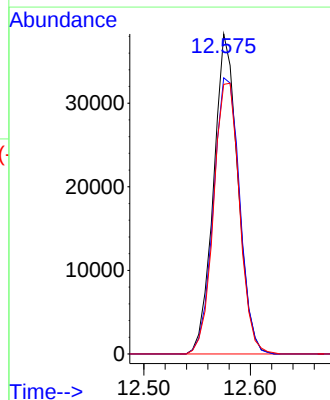
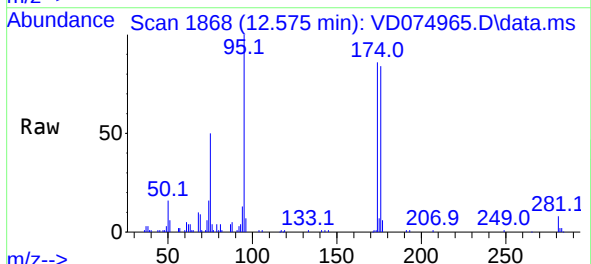
Instrument :
MSVOA_D
ClientSampleId :
B-2

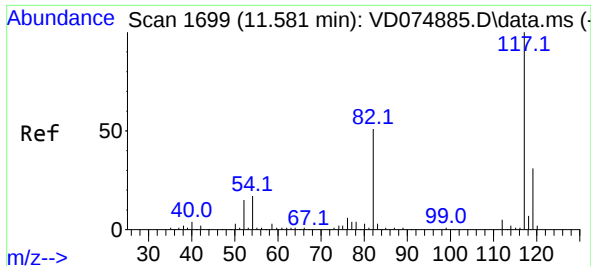
Tgt Ion: 43 Resp: 750
Ion Ratio Lower Upper
43 100
58 208.0 37.8 56.6#



#62
4-Bromofluorobenzene
Concen: 48.875 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD074965.D
Acq: 17 Nov 2022 13:12

Tgt Ion: 95 Resp: 60518
Ion Ratio Lower Upper
95 100
174 93.3 0.0 197.0
176 90.2 0.0 182.6

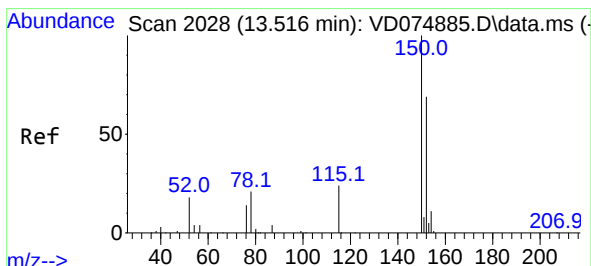
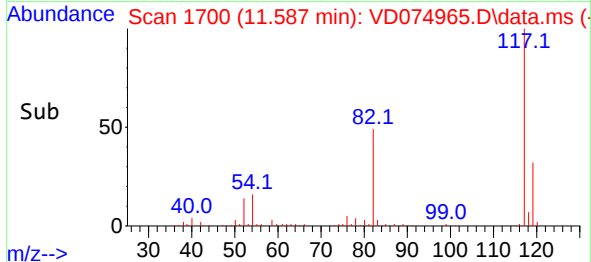
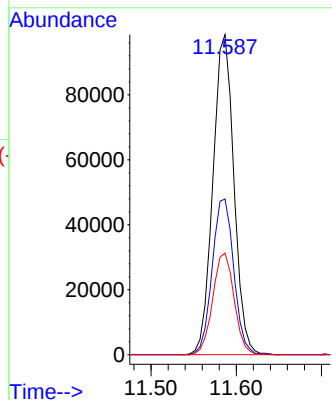
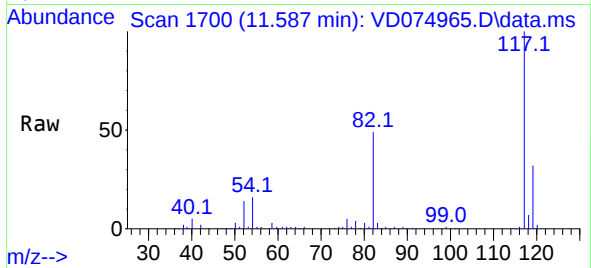




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD074965.D
Acq: 17 Nov 2022 13:12

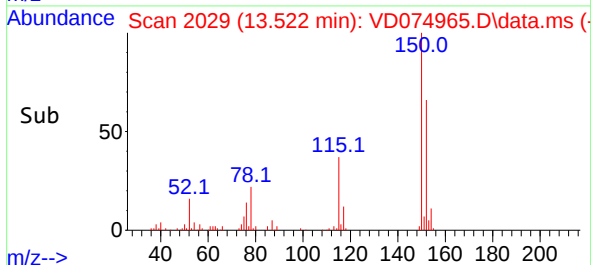
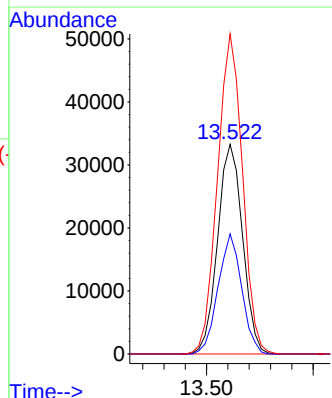
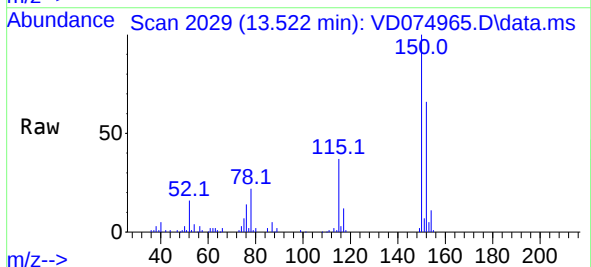
Instrument :
MSVOA_D
ClientSampleId :
B-2

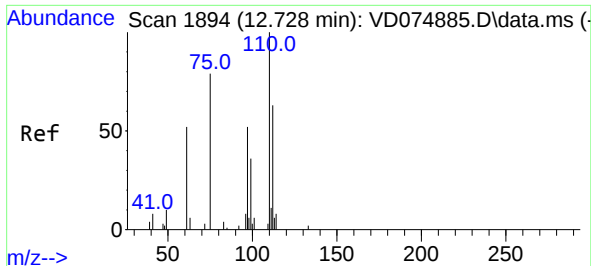
Tgt Ion:117 Resp: 168751
Ion Ratio Lower Upper
117 100
82 48.7 41.6 62.4
119 31.7 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD074965.D
Acq: 17 Nov 2022 13:12

Tgt Ion:152 Resp: 54096
Ion Ratio Lower Upper
152 100
115 54.0 26.8 80.4
150 152.9 0.0 348.2

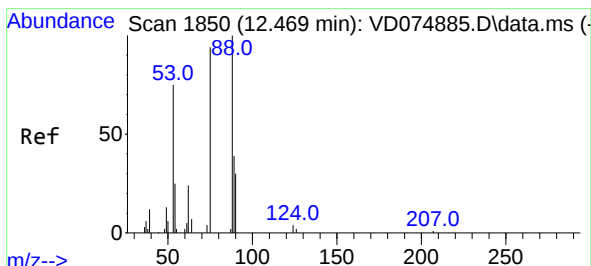
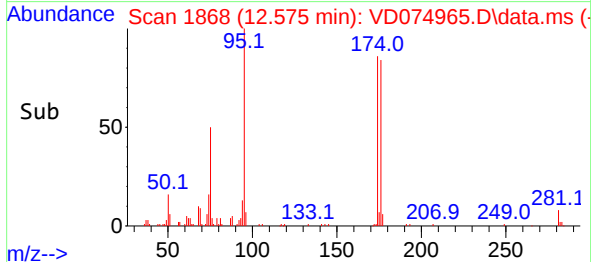
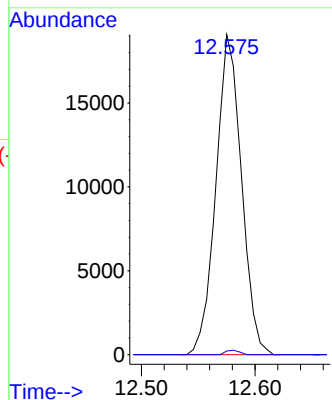
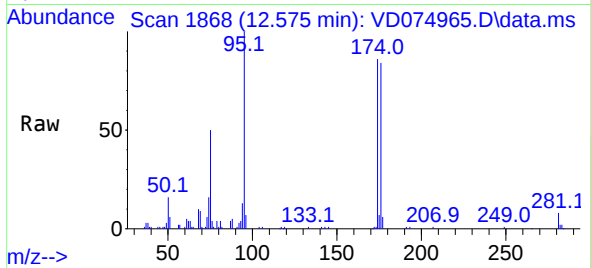




#76
1,2,3-Trichloropropane
Concen: 65.898 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD074965.D
Acq: 17 Nov 2022 13:12

Instrument :
MSVOA_D
ClientSampleId :
B-2

Tgt Ion: 75 Resp: 29816
Ion Ratio Lower Upper
75 100
77 0.8 185.8 557.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 162.110 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD074965.D
Acq: 17 Nov 2022 13:12

Tgt Ion: 75 Resp: 29816
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

