

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111122\
 Data File : VD074913.D
 Acq On : 12 Nov 2022 03:42
 Operator : VA/SY
 Sample : N5607-07
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-38

Quant Time: Nov 14 00:59:40 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)

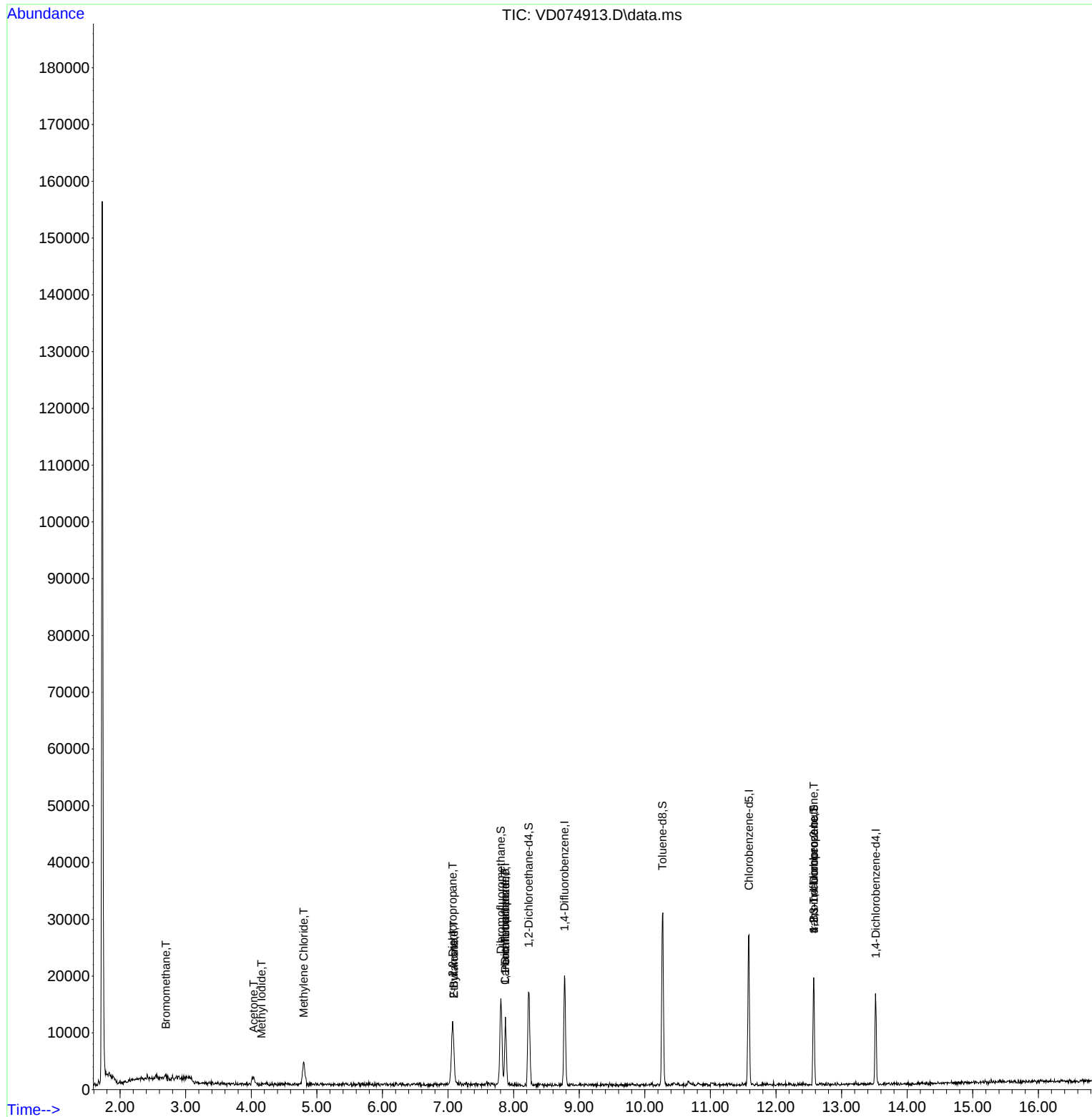
Internal Standards						
1) Pentafluorobenzene	7.875	168	9558	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	19315	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	17677	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	5397	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	13433	233.223	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 466.440%#	
35) Dibromofluoromethane	7.805	113	11853	99.552	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 199.100%#	
50) Toluene-d8	10.269	98	24471	62.394	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 124.780%	
62) 4-Bromofluorobenzene	12.575	95	6295	52.270	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 104.540%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.146	50	202	Below Cal	#	37
5) Bromomethane	2.699	94	458	3.635	ug/l #	59
10) Methyl Iodide	4.158	142	59	5.229	ug/l #	43
16) Acetone	4.034	43	2396	151.851	ug/l	92
20) Methylene Chloride	4.799	84	3182	14.286	ug/l	94
25) 2-Butanone	7.087	43	588	28.498	ug/l #	42
26) 2,2-Dichloropropane	7.069	77	683	4.301	ug/l #	50
36) 1,1-Dichloropropene	7.869	75	577	3.297	ug/l #	39
37) Ethyl Acetate	7.087	43	588	10.014	ug/l #	55
38) Carbon Tetrachloride	7.869	117	711	4.317	ug/l #	14
76) 1,2,3-Trichloropropane	12.575	75	3077	68.165	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	3077	167.687	ug/l #	17

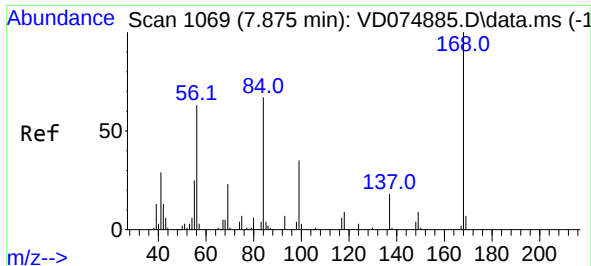
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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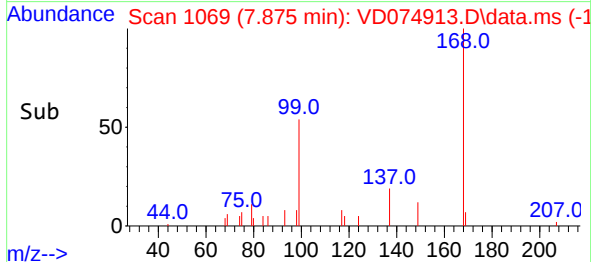
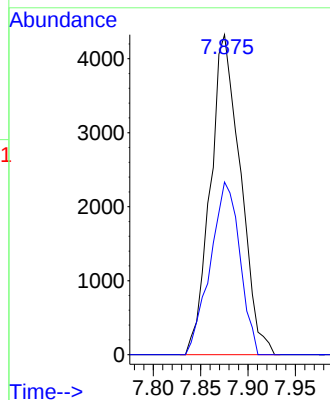
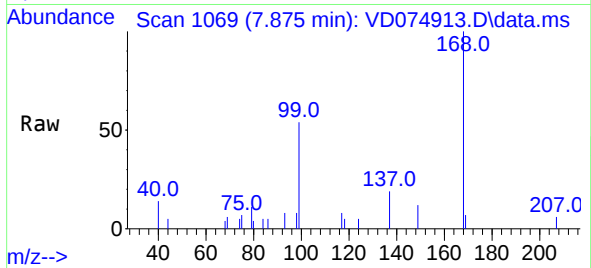




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074913.D
Acq: 12 Nov 2022 03:42

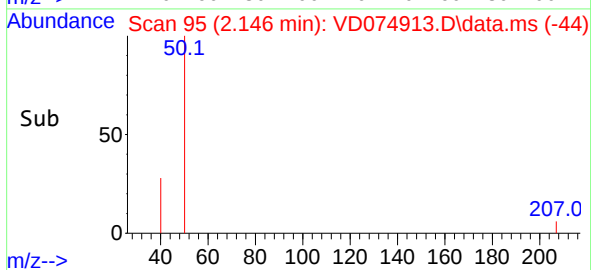
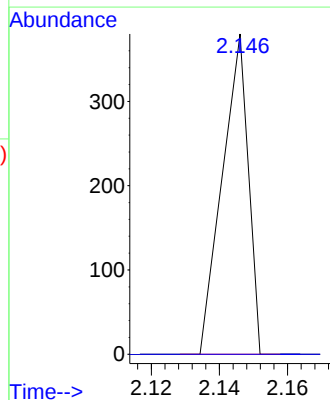
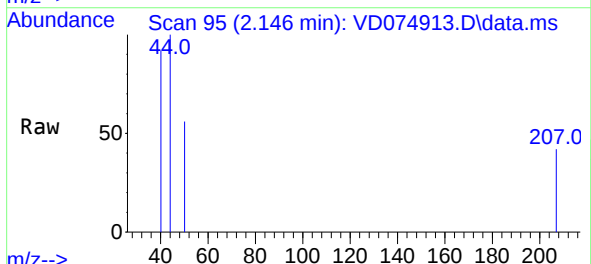
Instrument :
MSVOA_D
ClientSampleId :
SB-38

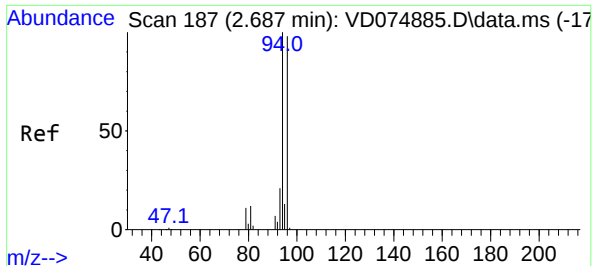
Tgt Ion:168 Resp: 9558
Ion Ratio Lower Upper
168 100
99 53.9 40.9 61.3



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. 0.000 min
Lab File: VD074913.D
Acq: 12 Nov 2022 03:42

Tgt Ion: 50 Resp: 202
Ion Ratio Lower Upper
50 100
52 0.0 30.0 45.0#

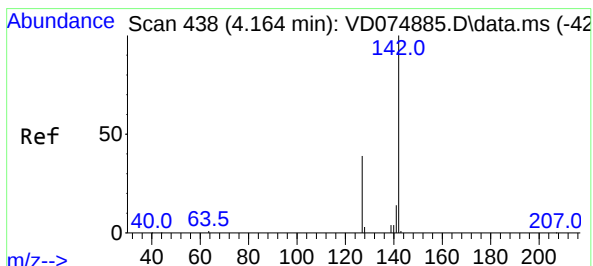
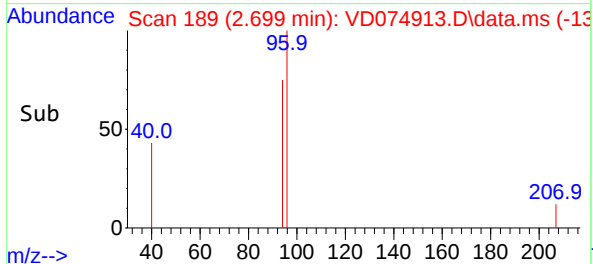
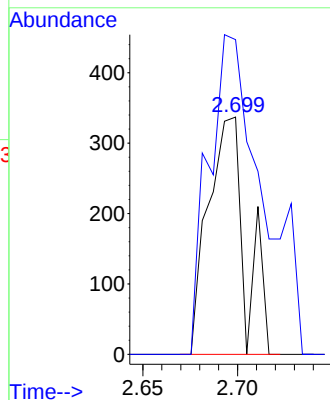
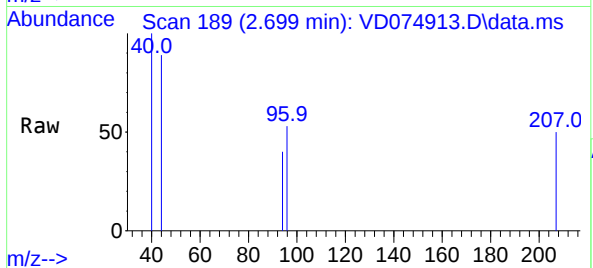




#5
Bromomethane
Concen: 3.635 ug/l
RT: 2.699 min Scan# 11
Delta R.T. 0.012 min
Lab File: VD074913.D
Acq: 12 Nov 2022 03:42

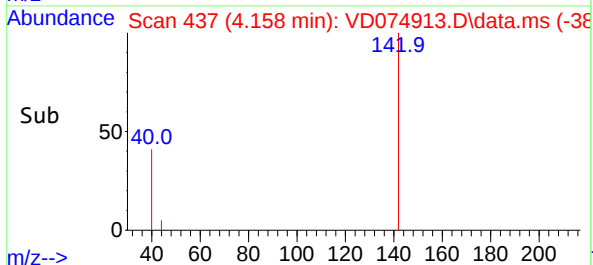
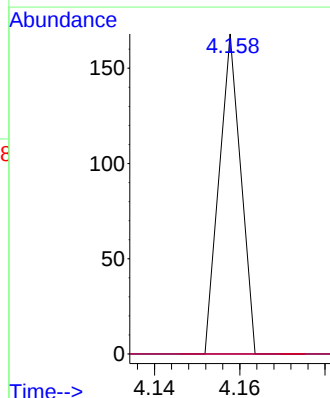
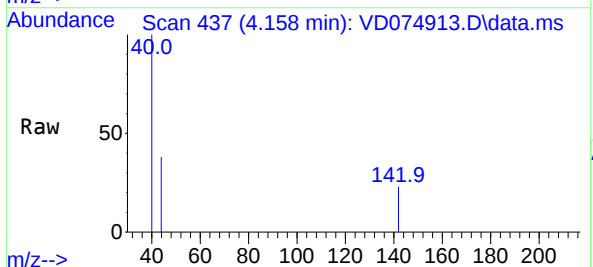
Instrument :
MSVOA_D
ClientSampleId :
SB-38

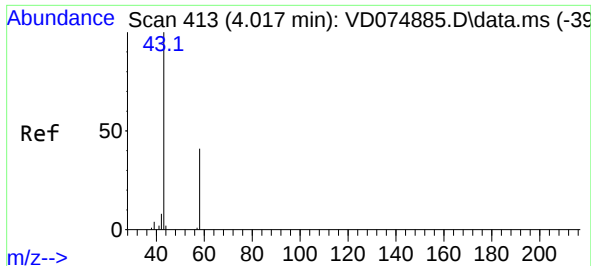
Tgt Ion: 94 Resp: 458
Ion Ratio Lower Upper
94 100
96 132.6 74.6 112.0#



#10
Methyl Iodide
Concen: 5.229 ug/l
RT: 4.158 min Scan# 437
Delta R.T. -0.006 min
Lab File: VD074913.D
Acq: 12 Nov 2022 03:42

Tgt Ion: 142 Resp: 59
Ion Ratio Lower Upper
142 100
127 0.0 31.9 47.9#
141 0.0 11.4 17.2#

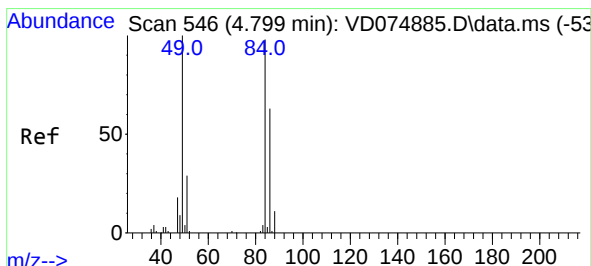
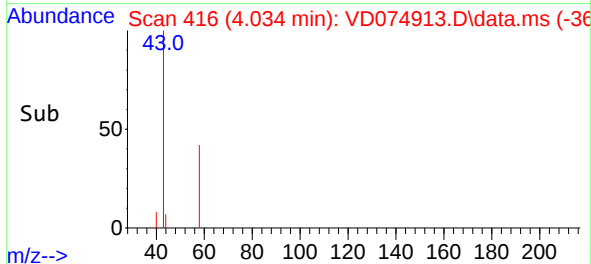
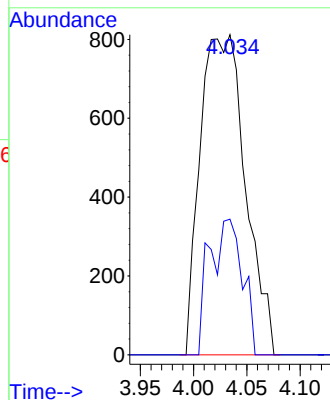
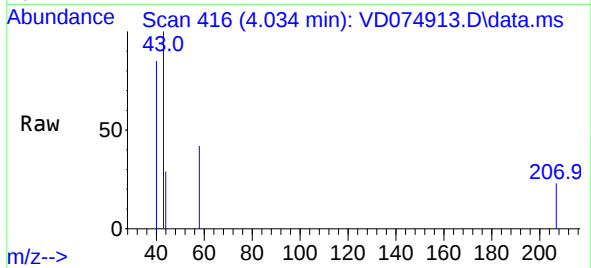




#16
Acetone
Concen: 151.851 ug/l
RT: 4.034 min Scan# 41
Delta R.T. 0.017 min
Lab File: VD074913.D
Acq: 12 Nov 2022 03:42

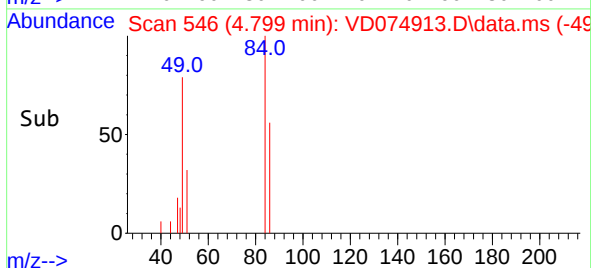
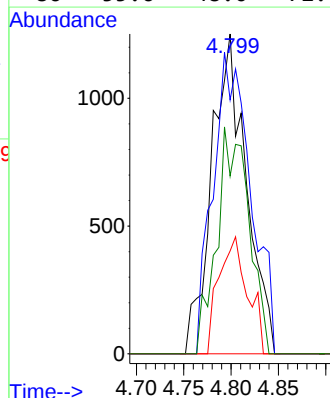
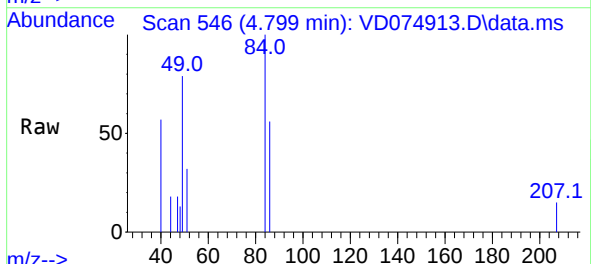
Instrument :
MSVOA_D
ClientSampleId :
SB-38

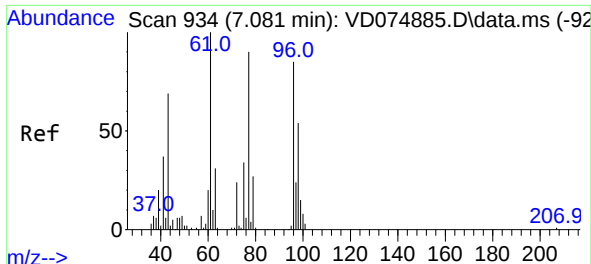
Tgt Ion: 43 Resp: 2396
Ion Ratio Lower Upper
43 100
58 42.4 30.2 45.2



#20
Methylene Chloride
Concen: 14.286 ug/l
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD074913.D
Acq: 12 Nov 2022 03:42

Tgt Ion: 84 Resp: 3182
Ion Ratio Lower Upper
84 100
49 79.4 68.0 102.0
51 32.2 23.2 34.8
86 55.6 48.0 72.0

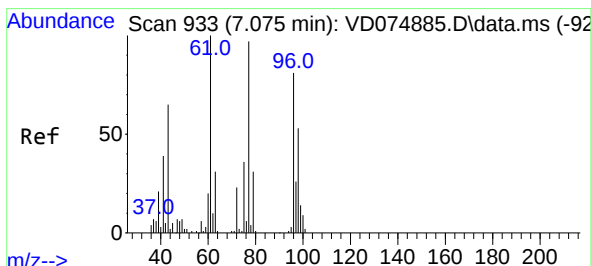
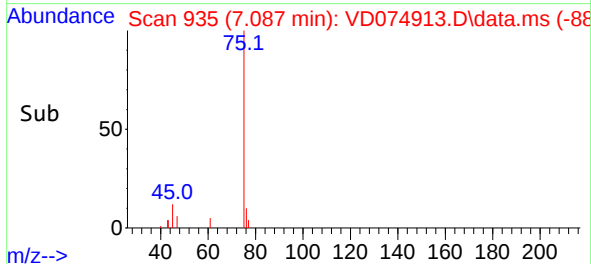
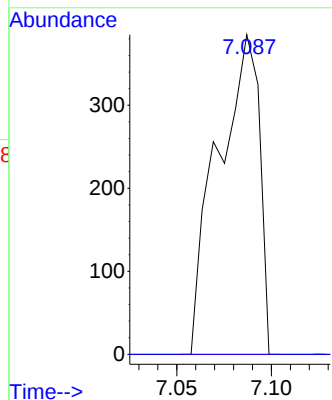
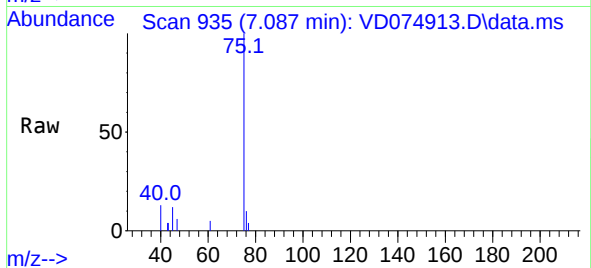




#25
2-Butanone
Concen: 28.498 ug/l
RT: 7.087 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD074913.D
Acq: 12 Nov 2022 03:42

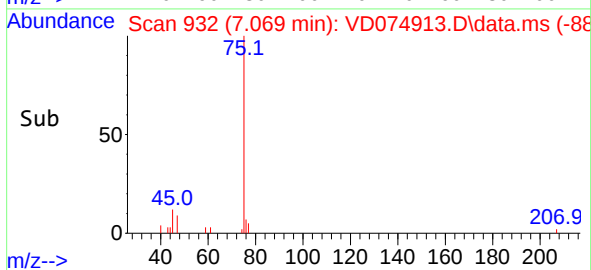
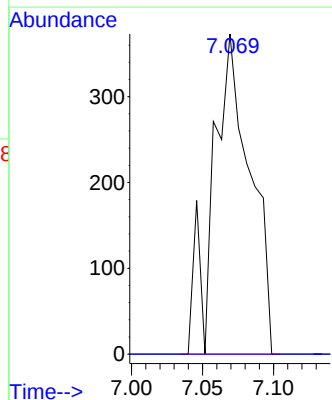
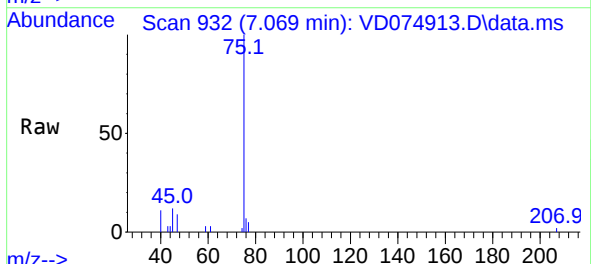
Instrument :
MSVOA_D
ClientSampleId :
SB-38

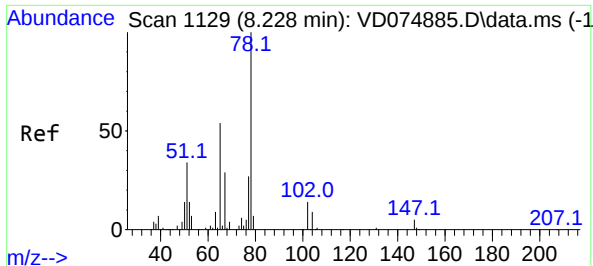
Tgt Ion: 43 Resp: 588
Ion Ratio Lower Upper
43 100
72 0.0 25.8 38.8#



#26
2,2-Dichloropropane
Concen: 4.301 ug/l
RT: 7.069 min Scan# 932
Delta R.T. -0.006 min
Lab File: VD074913.D
Acq: 12 Nov 2022 03:42

Tgt Ion: 77 Resp: 683
Ion Ratio Lower Upper
77 100
97 0.0 12.5 37.5#





#33

1,2-Dichloroethane-d4

Concen: 233.223 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD074913.D

Acq: 12 Nov 2022 03:42

Instrument :

MSVOA_D

ClientSampleId :

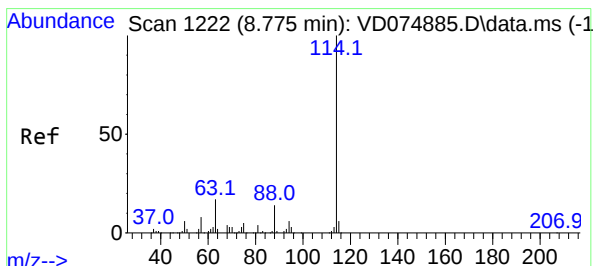
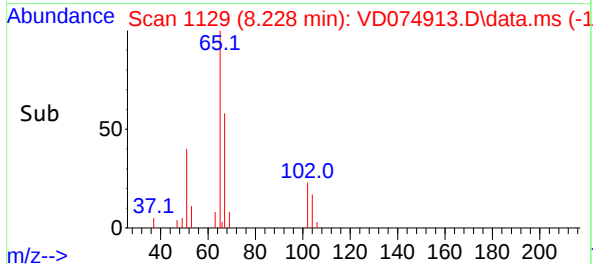
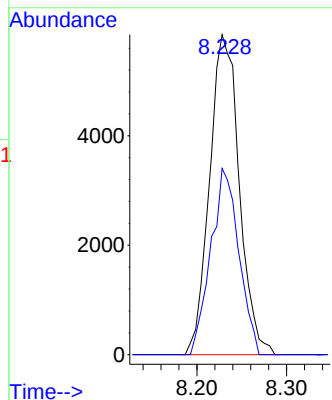
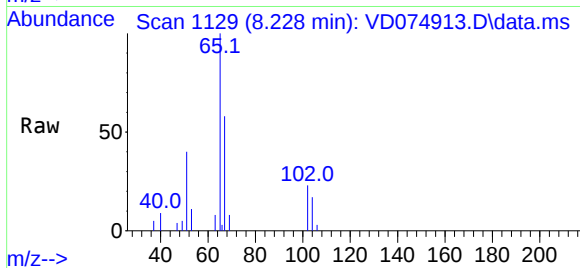
SB-38

Tgt Ion: 65 Resp: 13433

Ion Ratio Lower Upper

65 100

67 54.9 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD074913.D

Acq: 12 Nov 2022 03:42

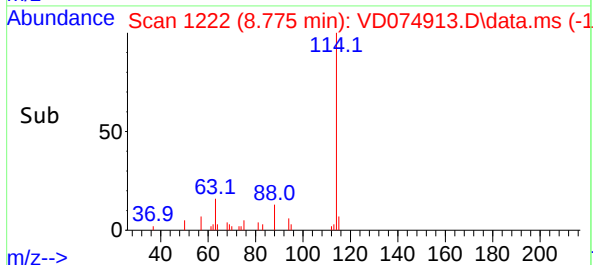
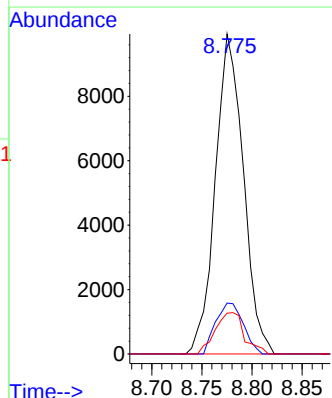
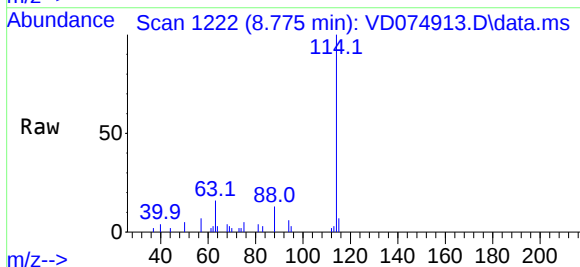
Tgt Ion: 114 Resp: 19315

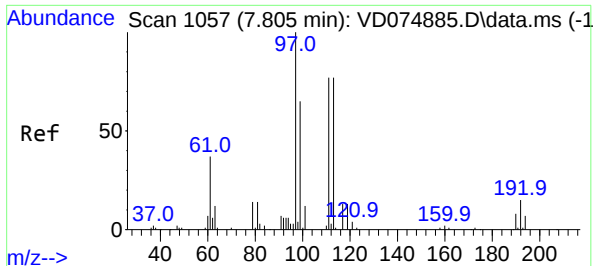
Ion Ratio Lower Upper

114 100

63 15.9 0.0 33.2

88 12.8 0.0 28.2





#35

Dibromofluoromethane

Concen: 99.552 ug/l

RT: 7.805 min Scan# 1068

Delta R.T. -0.000 min

Lab File: VD074913.D

Acq: 12 Nov 2022 03:42

Instrument :

MSVOA_D

ClientSampleId :

SB-38

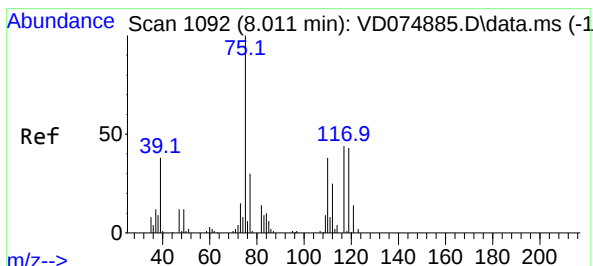
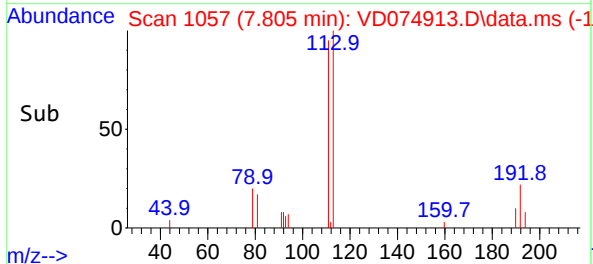
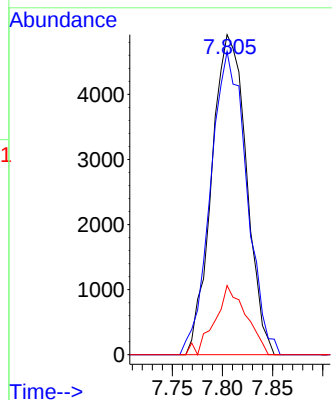
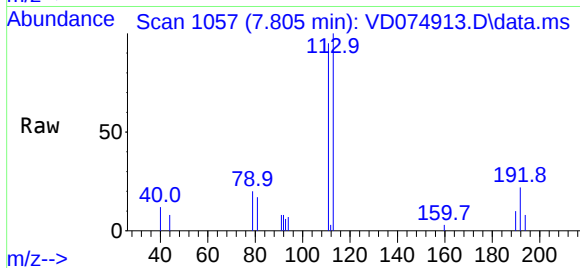
Tgt Ion:113 Resp: 11853

Ion Ratio Lower Upper

113 100

111 98.4 82.3 123.5

192 19.4 16.4 24.6



#36

1,1-Dichloropropene

Concen: 3.297 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.142 min

Lab File: VD074913.D

Acq: 12 Nov 2022 03:42

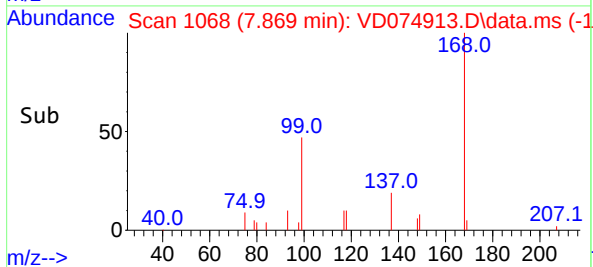
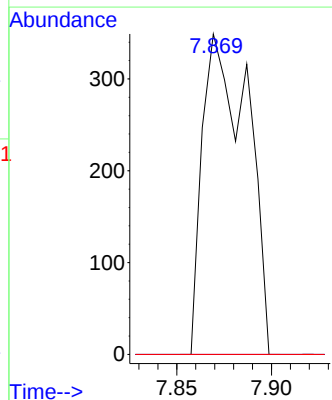
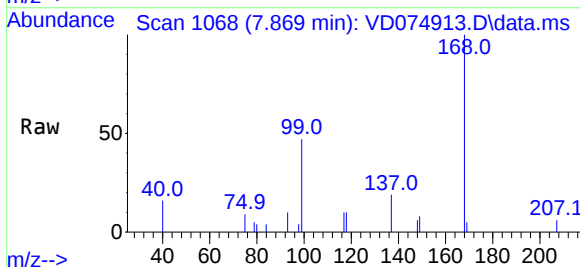
Tgt Ion: 75 Resp: 577

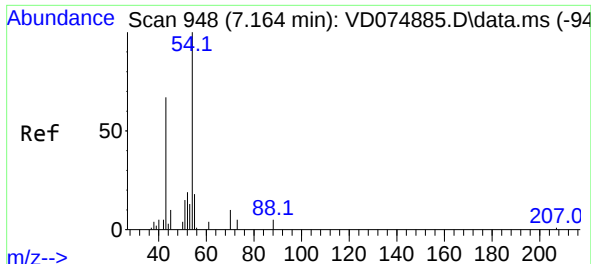
Ion Ratio Lower Upper

75 100

110 0.0 19.7 59.0#

77 0.0 25.4 38.2#





#37

Ethyl Acetate

Concen: 10.014 ug/l

RT: 7.087 min Scan# 91

Delta R.T. -0.077 min

Lab File: VD074913.D

Acq: 12 Nov 2022 03:42

Instrument :

MSVOA_D

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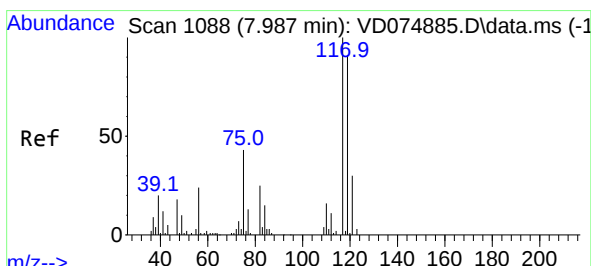
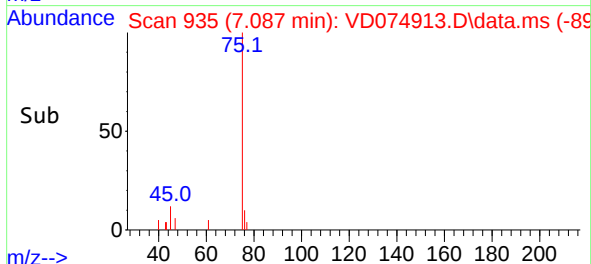
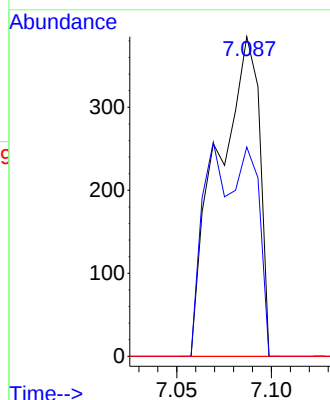
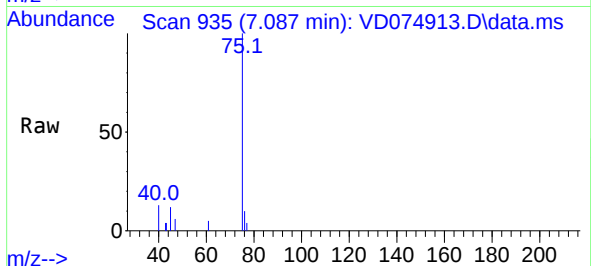
Tgt Ion: 43 Resp: 588

Ion Ratio Lower Upper

43 100

61 38.4 12.2 18.4#

70 0.0 9.6 14.4#



#38

Carbon Tetrachloride

Concen: 4.317 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.118 min

Lab File: VD074913.D

Acq: 12 Nov 2022 03:42

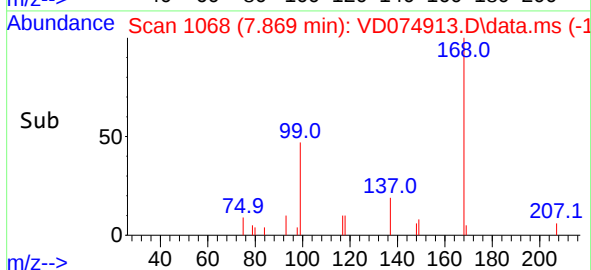
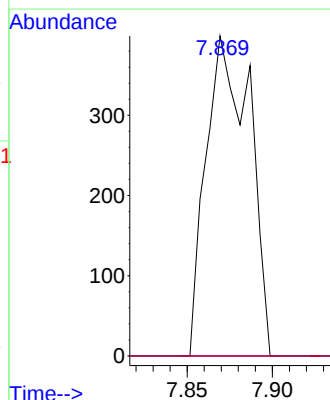
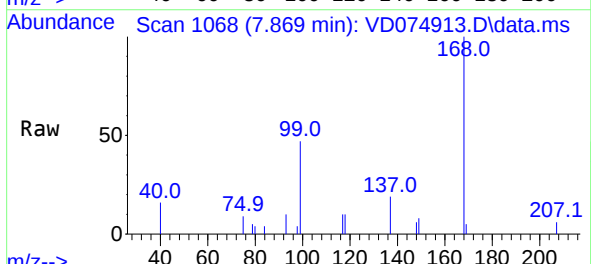
Tgt Ion: 117 Resp: 711

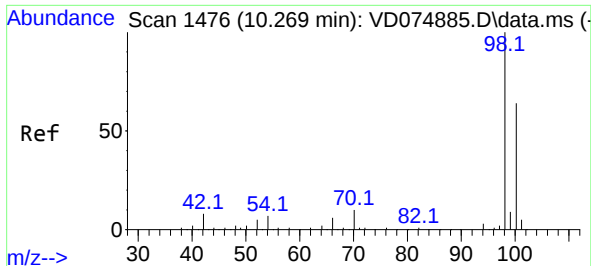
Ion Ratio Lower Upper

117 100

119 0.0 73.1 109.7#

121 0.0 25.0 37.6#

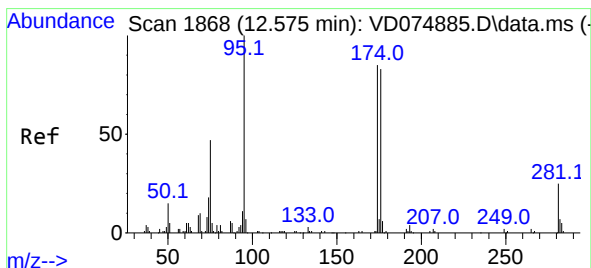
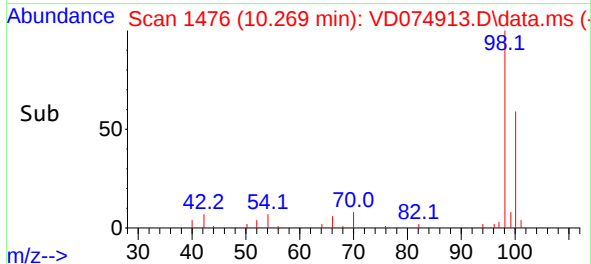
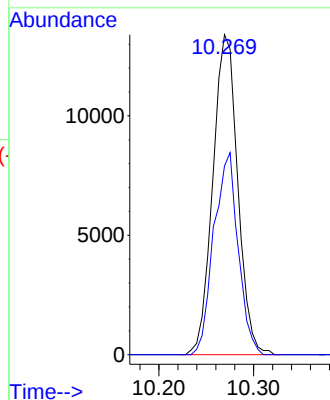
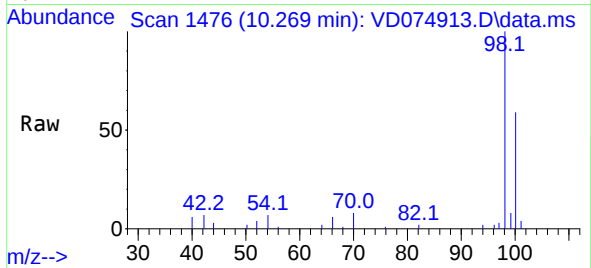




#50
Toluene-d8
Concen: 62.394 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074913.D
Acq: 12 Nov 2022 03:42

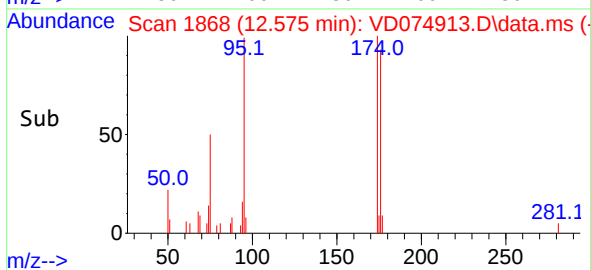
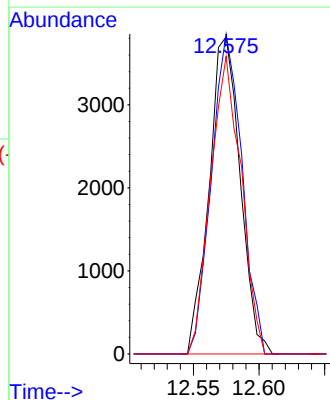
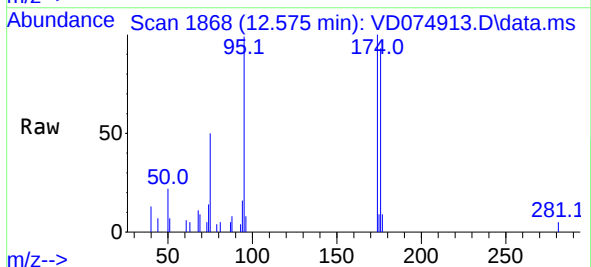
Instrument :
MSVOA_D
ClientSampleId :
SB-38

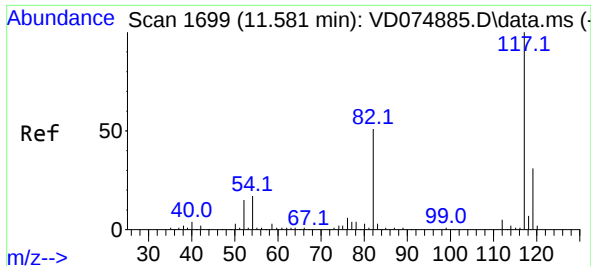
Tgt Ion: 98 Resp: 24471
Ion Ratio Lower Upper
98 100
100 61.5 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 52.270 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD074913.D
Acq: 12 Nov 2022 03:42

Tgt Ion: 95 Resp: 6295
Ion Ratio Lower Upper
95 100
174 99.0 0.0 197.0
176 92.3 0.0 182.6

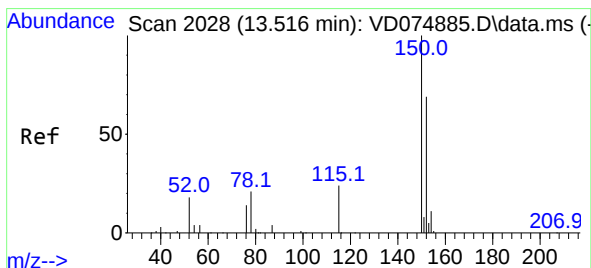
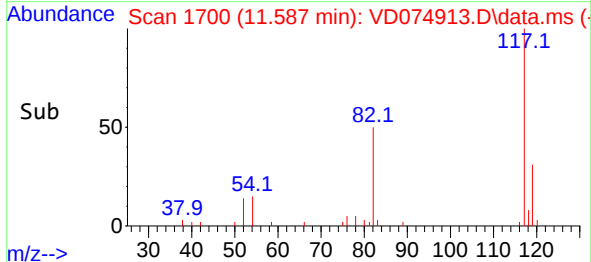
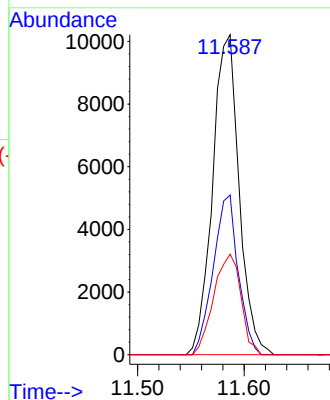
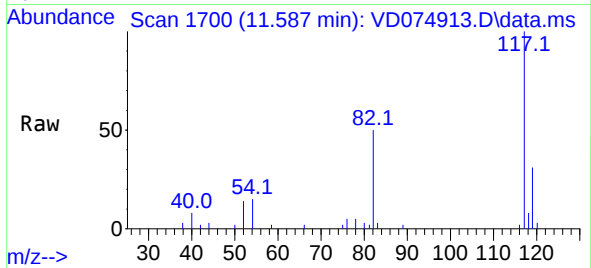




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 117
Delta R.T. 0.006 min
Lab File: VD074913.D
Acq: 12 Nov 2022 03:42

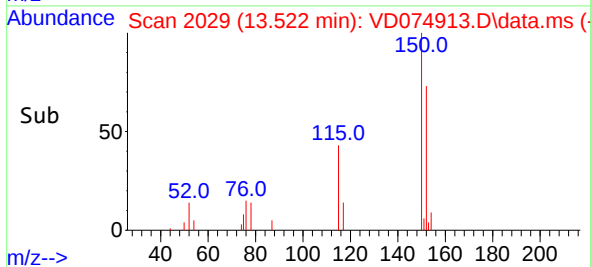
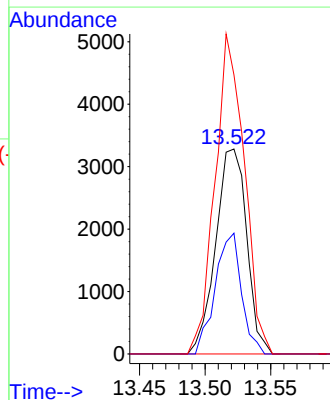
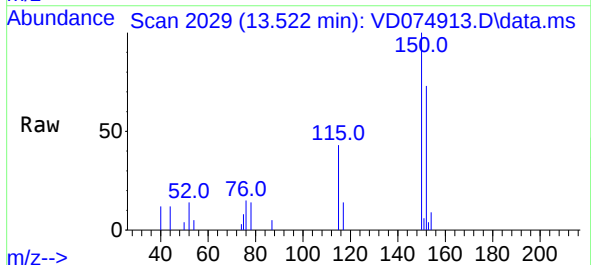
Instrument :
MSVOA_D
ClientSampleId :
SB-38

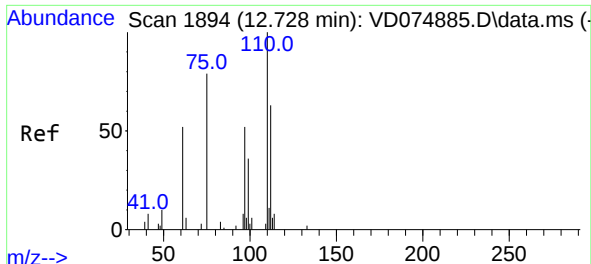
Tgt Ion:117	Resp:	17677
Ion	Ratio	Lower Upper
117	100	
82	49.9	41.6 62.4
119	31.4	25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD074913.D
Acq: 12 Nov 2022 03:42

Tgt Ion:152	Resp:	5397
Ion	Ratio	Lower Upper
152	100	
115	49.9	26.8 80.4
150	147.8	0.0 348.2

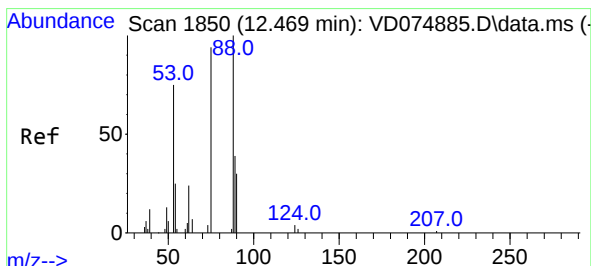
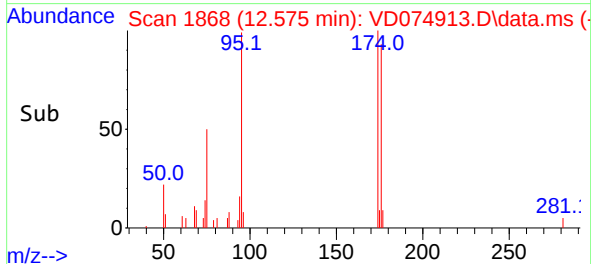
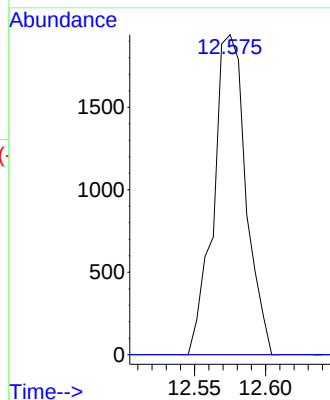
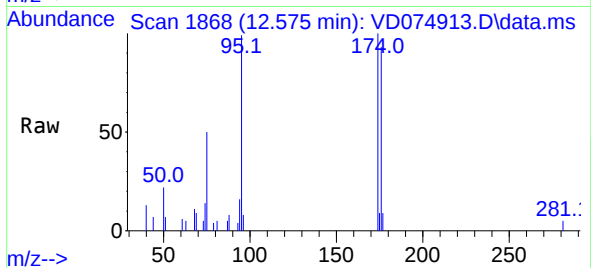




#76
1,2,3-Trichloropropane
Concen: 68.165 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD074913.D
Acq: 12 Nov 2022 03:42

Instrument :
MSVOA_D
ClientSampleId :
SB-38

Tgt Ion: 75 Resp: 3077
Ion Ratio Lower Upper
75 100
77 0.0 185.8 557.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 167.687 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD074913.D
Acq: 12 Nov 2022 03:42

Tgt Ion: 75 Resp: 3077
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

