

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122123\
 Data File : VD078048.D
 Acq On : 22 Dec 2023 03:25
 Operator : RP/MD
 Sample : 05877-14
 Misc : 4.57G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 22 05:54:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 14:48:10 2023
 Response via : Initial Calibration

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

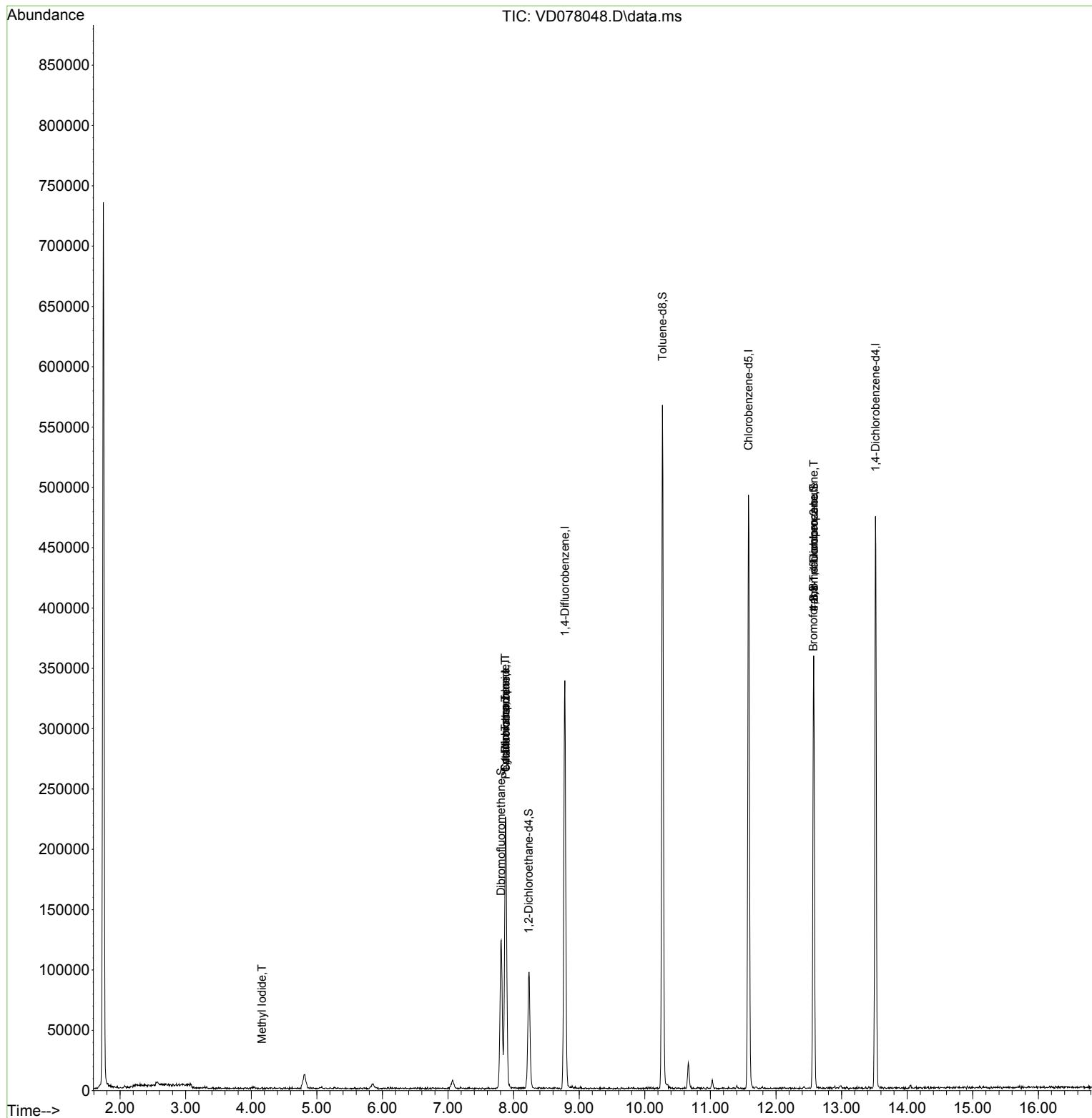
Internal Standards						
1) Pentafluorobenzene	7.881	168	171924	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	300857	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	289576	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	126083	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	74771	36.908	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	73.820%
35) Dibromofluoromethane	7.810	113	89875	42.647	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	85.300%
50) Toluene-d8	10.269	98	387960	45.965	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.920%
62) 4-Bromofluorobenzene	12.575	95	106223	42.094	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.180%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.164	142	54	6.767	ug/l #	46
11) Tert butyl alcohol	5.058	59	477	Below Cal	#	93
16) Acetone	4.034	43	1024	Below Cal		96
20) Methylene Chloride	4.811	84	9009	Below Cal	#	86
25) 2-Butanone	7.081	43	322	Below Cal	#	37
31) Cyclohexane	7.875	56	3741	1.038	ug/l #	21
36) 1,1-Dichloropropene	7.875	75	14651	4.346	ug/l #	47
38) Carbon Tetrachloride	7.875	117	17030	5.068	ug/l #	15
71) Bromoform	12.569	173	1392	1.106	ug/l #	28
76) 1,2,3-Trichloropropane	12.575	75	58385	53.318	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	58385	108.026	ug/l #	17
88) 1,4-Dichlorobenzene	13.516	146	53	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropr...	14.410	75	113	Below Cal	#	1

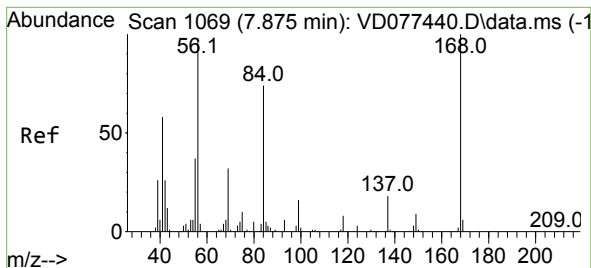
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD078048.D

Acq: 22 Dec 2023 03:25

Instrument :

MSVOA_D

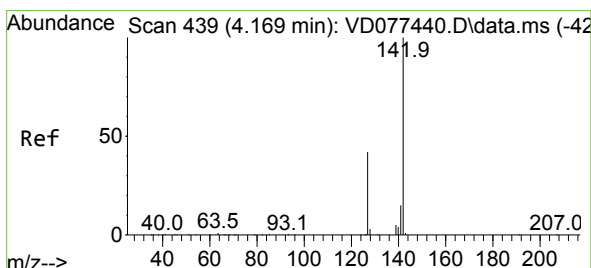
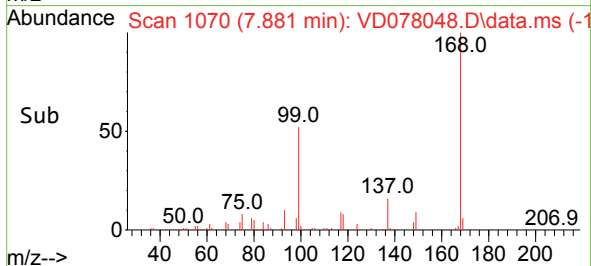
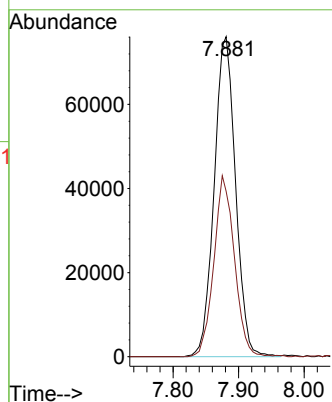
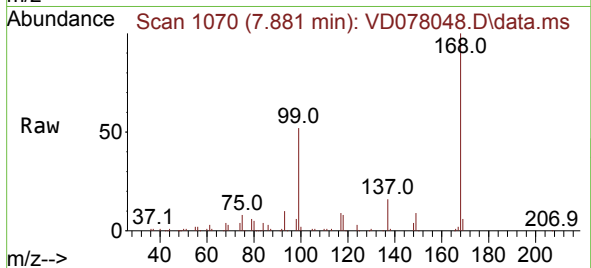
ClientSampleId :

Tgt Ion:168 Resp: 171924

Ion Ratio Lower Upper

168 100

99 51.7 36.7 55.1



#10

Methyl Iodide

Concen: 6.767 ug/l

RT: 4.164 min Scan# 438

Delta R.T. -0.005 min

Lab File: VD078048.D

Acq: 22 Dec 2023 03:25

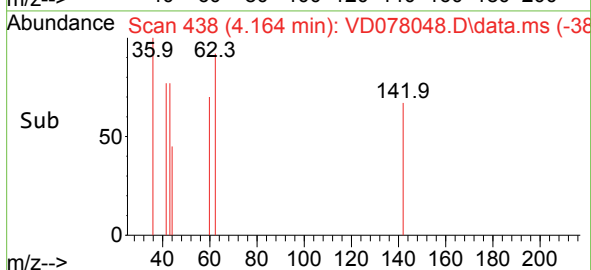
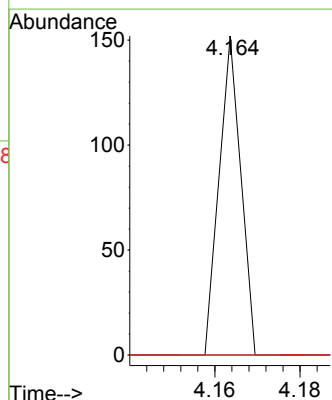
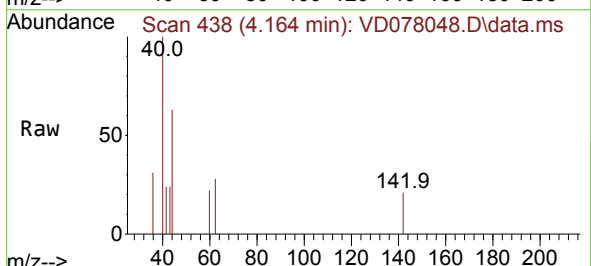
Tgt Ion:142 Resp: 54

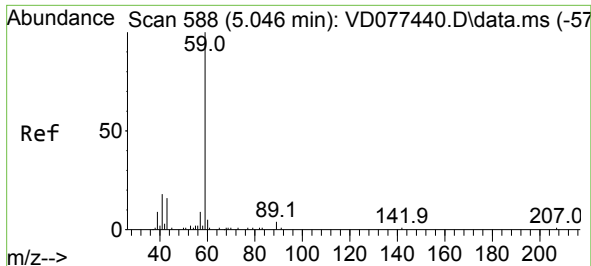
Ion Ratio Lower Upper

142 100

127 0.0 29.4 44.0#

141 0.0 11.1 16.7#

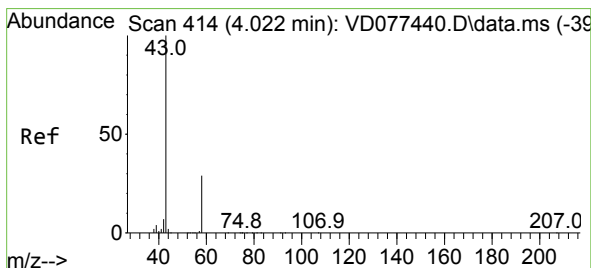
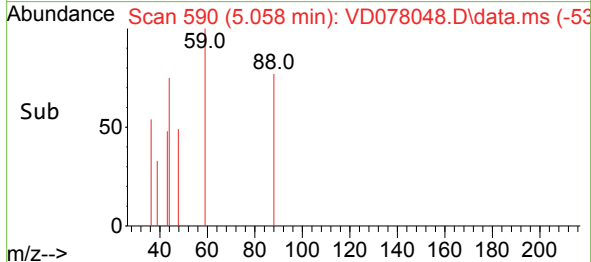
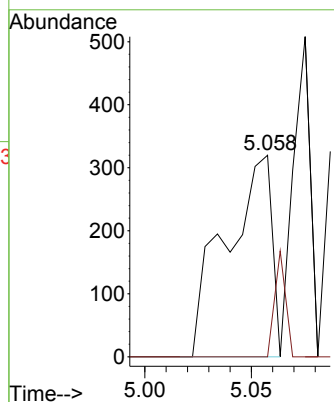
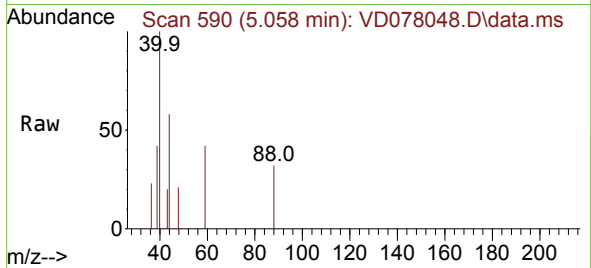




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.058 min Scan# 591
Delta R.T. 0.012 min
Lab File: VD078048.D
Acq: 22 Dec 2023 03:25

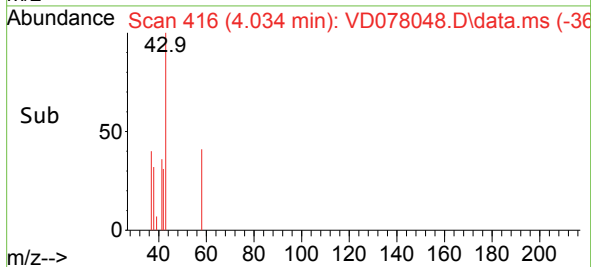
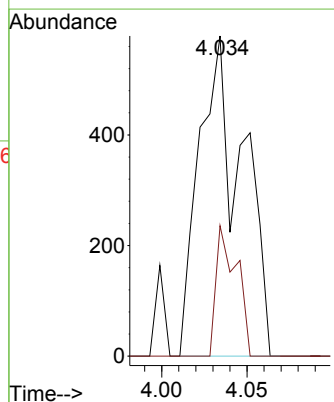
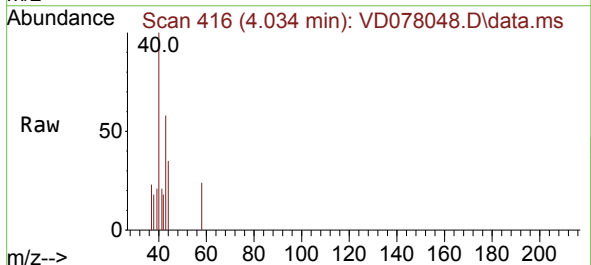
Instrument :
MSVOA_D
ClientSampleId :

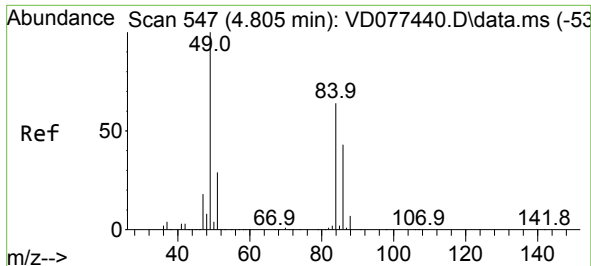
Tgt Ion: 59 Resp: 477
Ion Ratio Lower Upper
59 100
57 12.4 7.8 11.8#



#16
Acetone
Concen: Below Cal
RT: 4.034 min Scan# 416
Delta R.T. 0.012 min
Lab File: VD078048.D
Acq: 22 Dec 2023 03:25

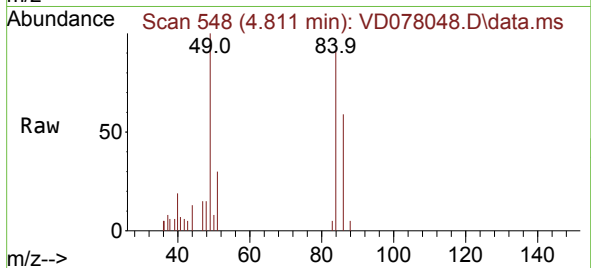
Tgt Ion: 43 Resp: 1024
Ion Ratio Lower Upper
43 100
58 40.8 34.7 52.1



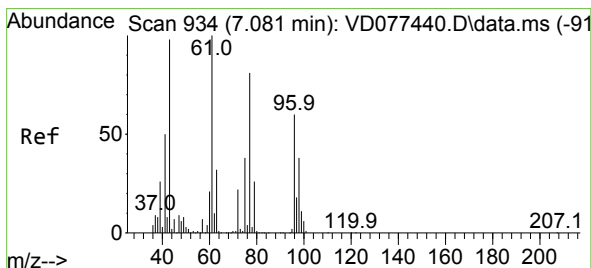
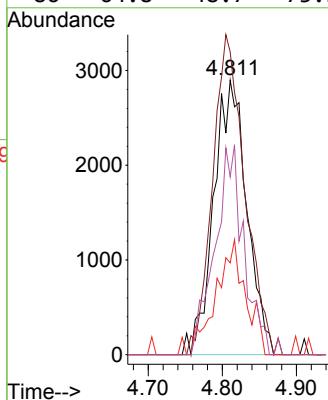
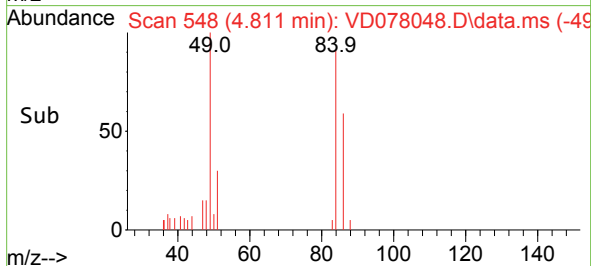


#20
Methylene Chloride
Concen: Below Cal
RT: 4.811 min Scan# 548
Delta R.T. 0.006 min
Lab File: VD078048.D
Acq: 22 Dec 2023 03:25

Instrument :
MSVOA_D
ClientSampleId :

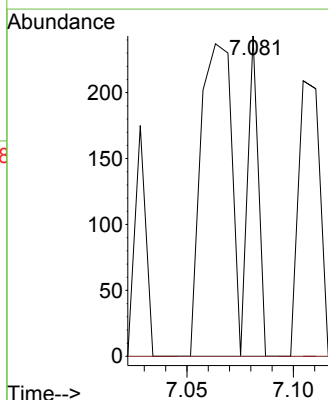
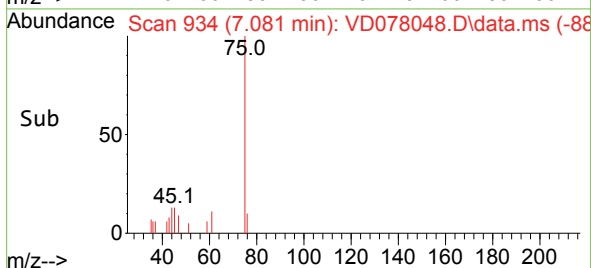
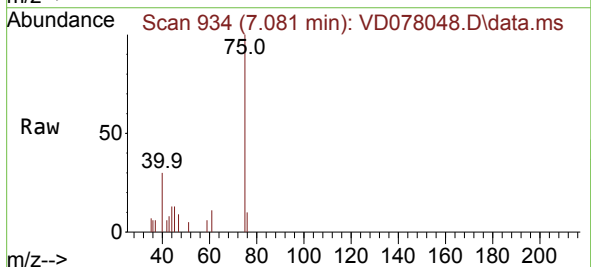


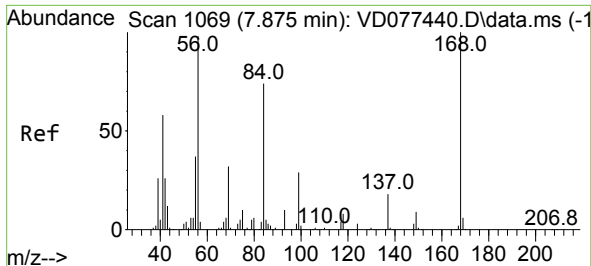
Tgt Ion: 84 Resp: 9009
Ion Ratio Lower Upper
84 100
49 110.3 71.4 107.2#
51 33.5 24.5 36.7
86 64.8 48.7 73.1



#25
2-Butanone
Concen: Below Cal
RT: 7.081 min Scan# 934
Delta R.T. 0.000 min
Lab File: VD078048.D
Acq: 22 Dec 2023 03:25

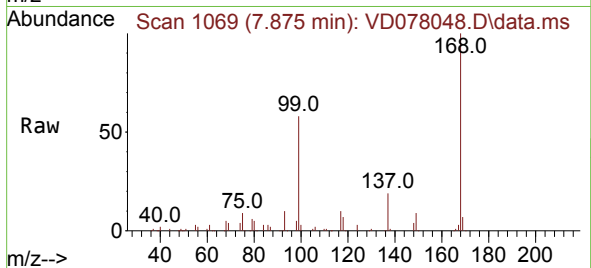
Tgt Ion: 43 Resp: 322
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



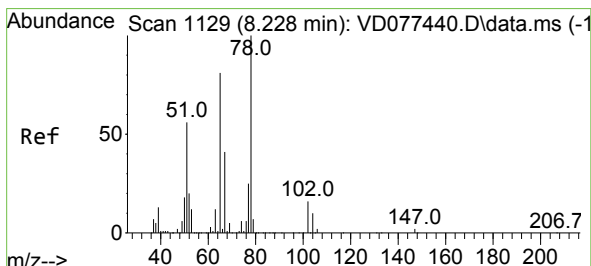
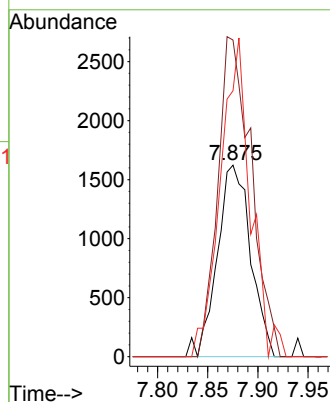
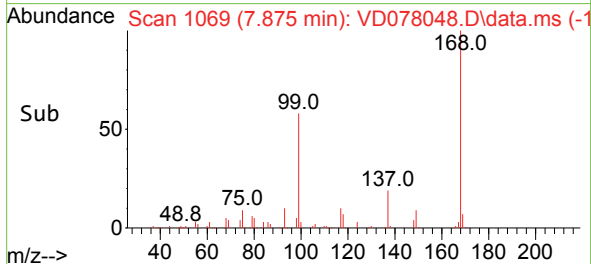


#31
Cyclohexane
Concen: 1.038 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD078048.D
Acq: 22 Dec 2023 03:25

Instrument :
MSVOA_D
ClientSampleId :

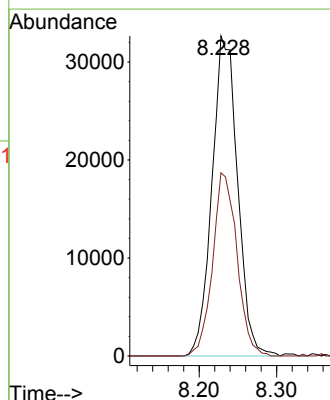
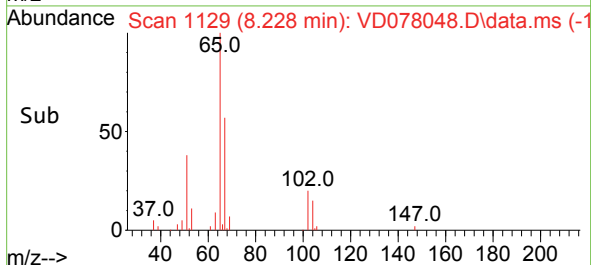
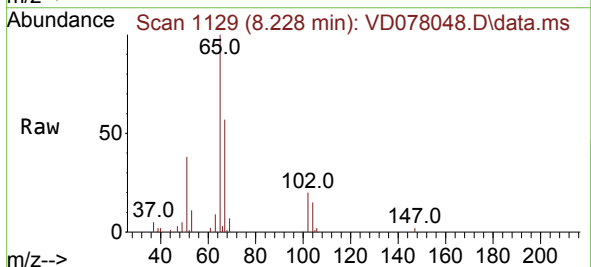


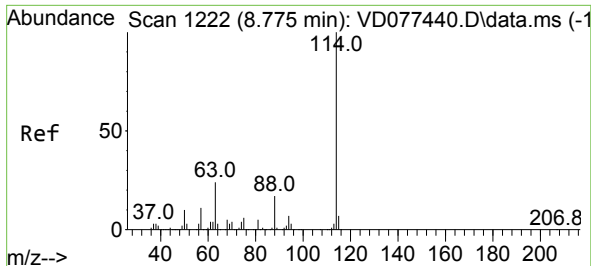
Tgt Ion: 56 Resp: 3741
Ion Ratio Lower Upper
56 100
69 165.3 28.6 43.0#
84 138.8 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 36.908 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD078048.D
Acq: 22 Dec 2023 03:25

Tgt Ion: 65 Resp: 74771
Ion Ratio Lower Upper
65 100
67 54.6 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD078048.D

Acq: 22 Dec 2023 03:25

Instrument :

MSVOA_D

ClientSampleId :

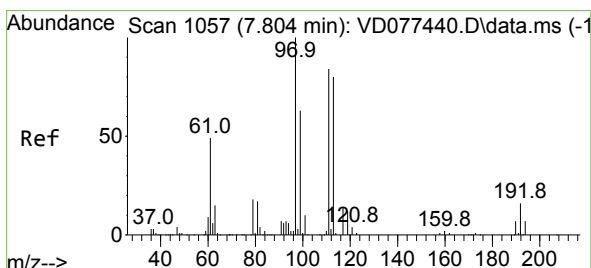
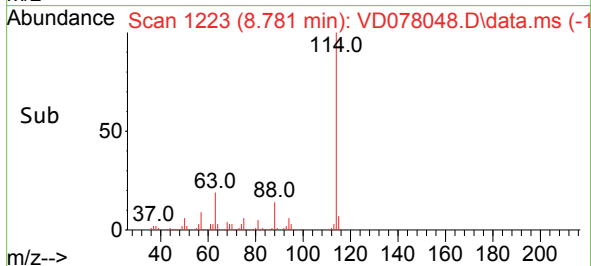
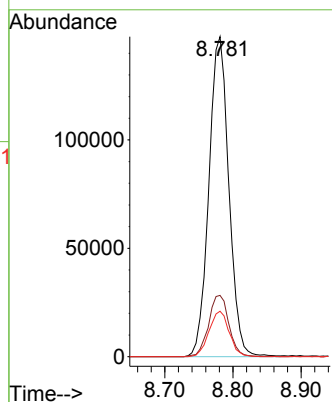
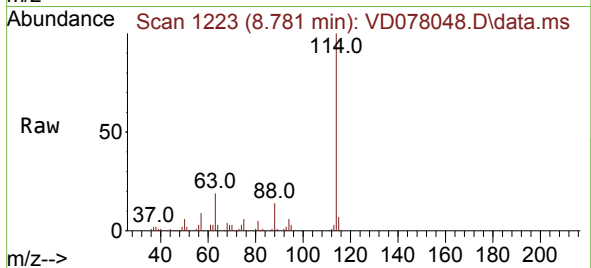
Tgt Ion:114 Resp: 300857

Ion Ratio Lower Upper

114 100

63 19.2 0.0 33.4

88 14.2 0.0 26.2



#35

Dibromofluoromethane

Concen: 42.647 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD078048.D

Acq: 22 Dec 2023 03:25

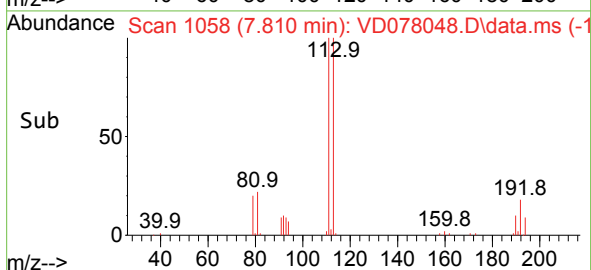
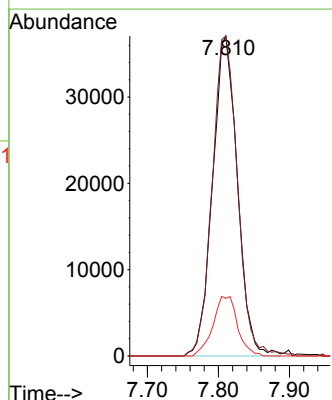
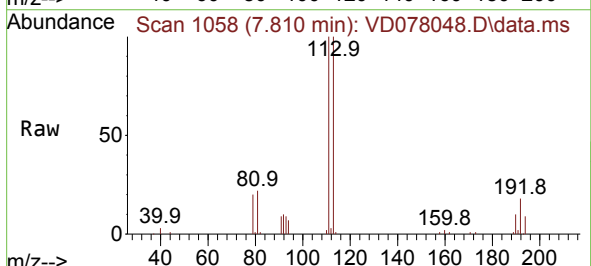
Tgt Ion:113 Resp: 89875

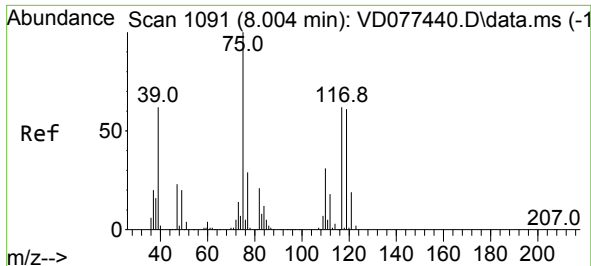
Ion Ratio Lower Upper

113 100

111 101.8 84.7 127.1

192 18.4 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.346 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.129 min

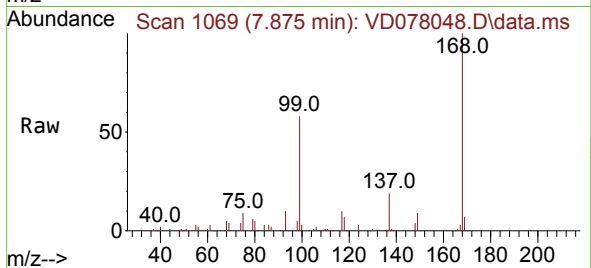
Lab File: VD078048.D

Acq: 22 Dec 2023 03:25

Instrument :

MSVOA_D

ClientSampleId :



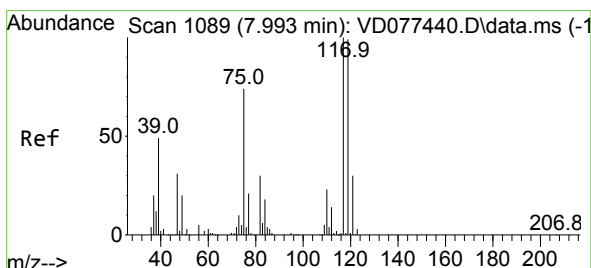
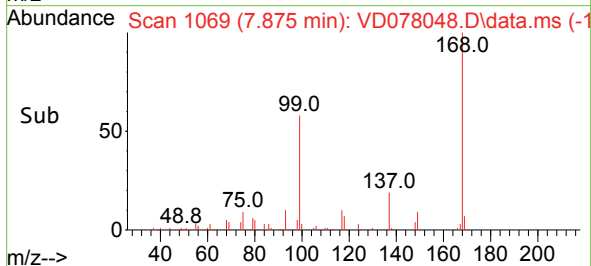
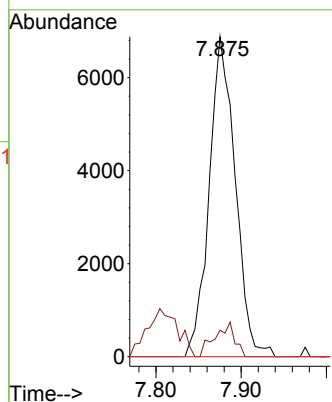
Tgt Ion: 75 Resp: 14651

Ion Ratio Lower Upper

75 100

110 8.2 19.9 59.6#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.068 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD078048.D

Acq: 22 Dec 2023 03:25

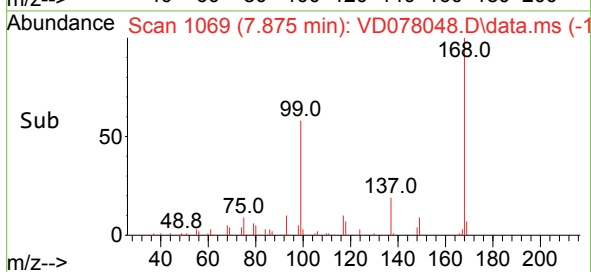
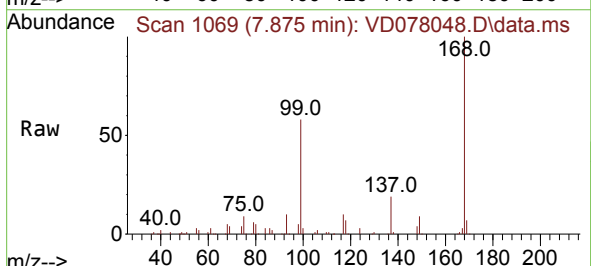
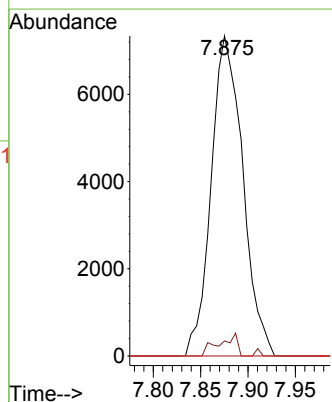
Tgt Ion: 117 Resp: 17030

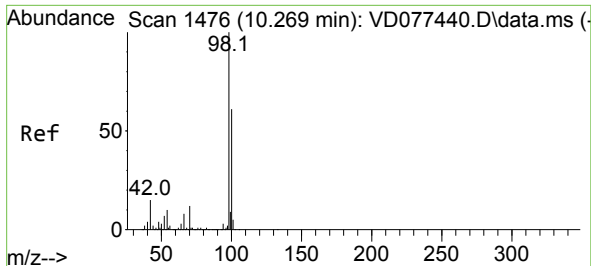
Ion Ratio Lower Upper

117 100

119 4.7 78.0 117.0#

121 0.0 24.2 36.2#

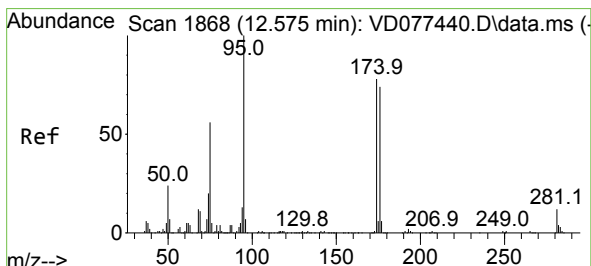
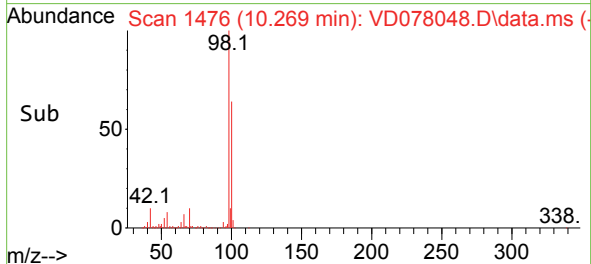
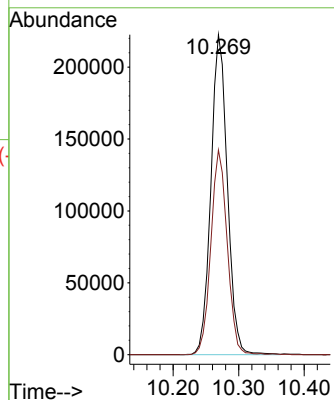
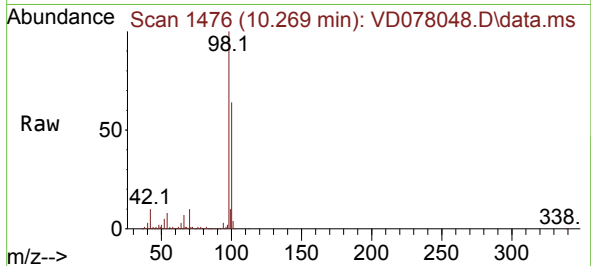




#50
Toluene-d8
Concen: 45.965 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078048.D
Acq: 22 Dec 2023 03:25

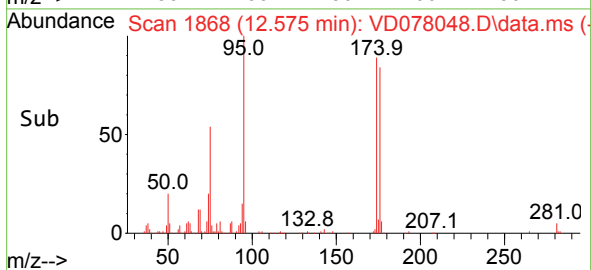
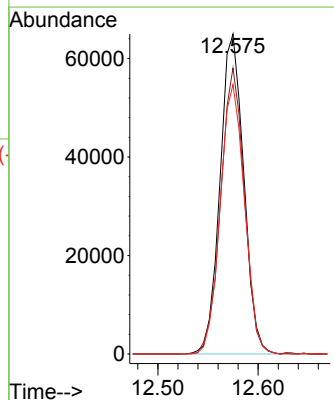
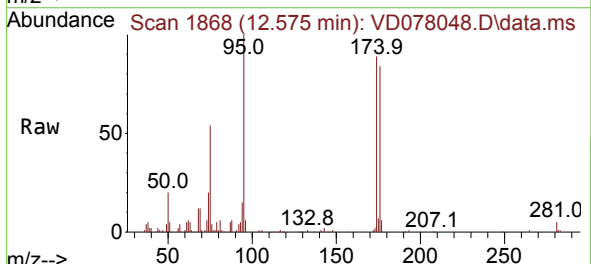
Instrument :
MSVOA_D
ClientSampleId :

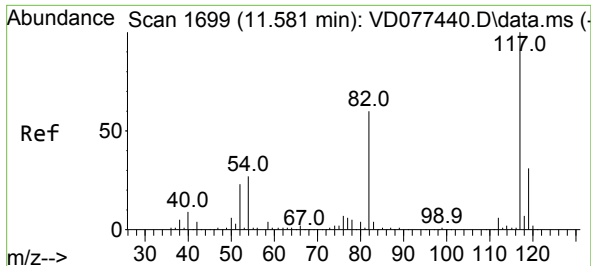
Tgt Ion: 98 Resp: 387960
Ion Ratio Lower Upper
98 100
100 63.6 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 42.094 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078048.D
Acq: 22 Dec 2023 03:25

Tgt Ion: 95 Resp: 106223
Ion Ratio Lower Upper
95 100
174 89.0 0.0 201.8
176 86.6 0.0 191.8

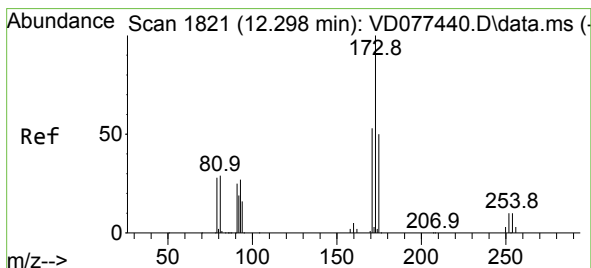
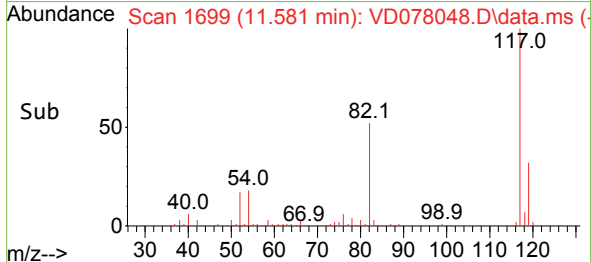
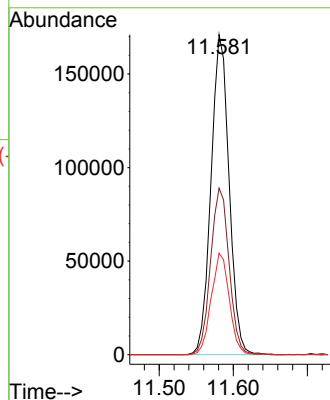
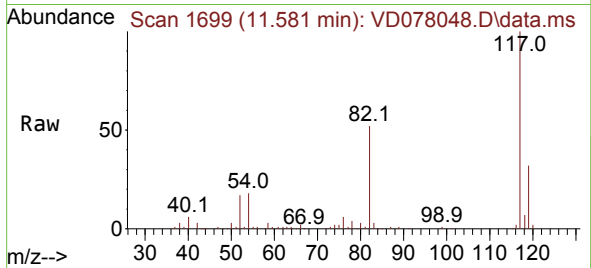




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD078048.D
Acq: 22 Dec 2023 03:25

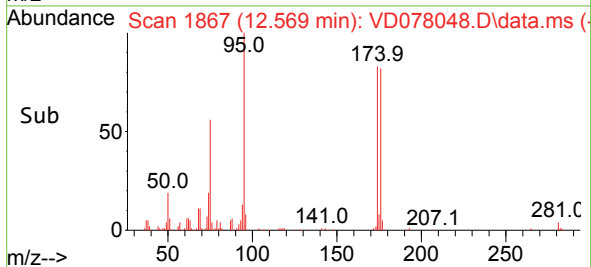
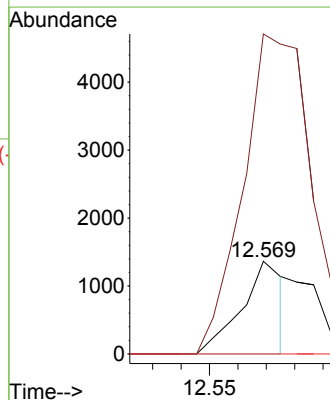
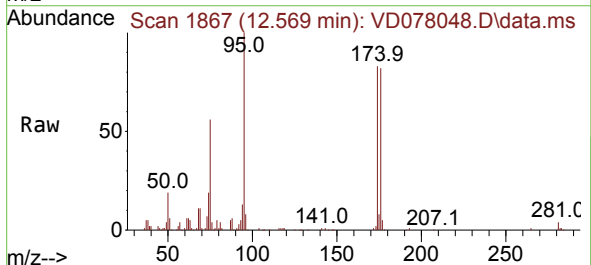
Instrument :
MSVOA_D
ClientSampleId :

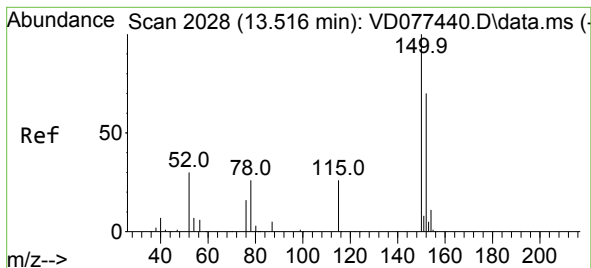
Tgt Ion:117 Resp: 289576
Ion Ratio Lower Upper
117 100
82 52.0 38.3 57.5
119 31.7 25.0 37.4



#71
Bromoform
Concen: 1.106 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.271 min
Lab File: VD078048.D
Acq: 22 Dec 2023 03:25

Tgt Ion:173 Resp: 1392
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.8#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. 0.000 min

Lab File: VD078048.D

Acq: 22 Dec 2023 03:25

Instrument :

MSVOA_D

ClientSampleId :

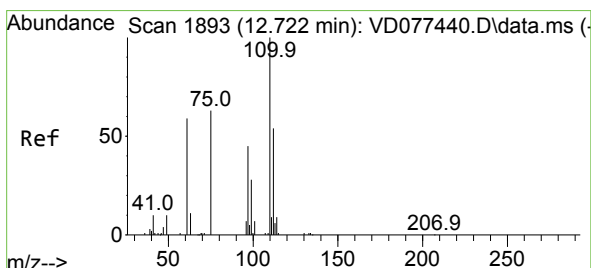
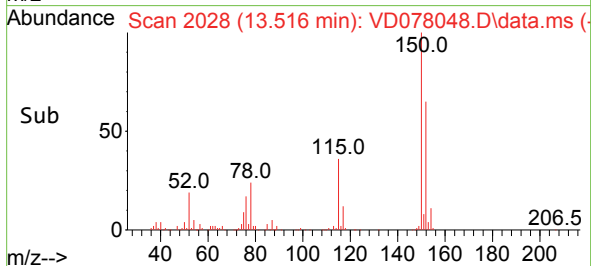
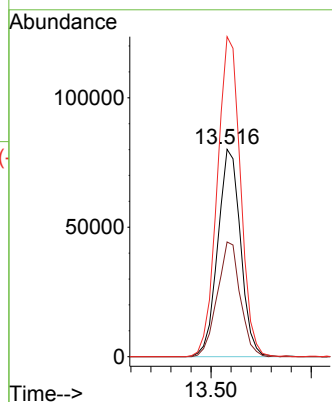
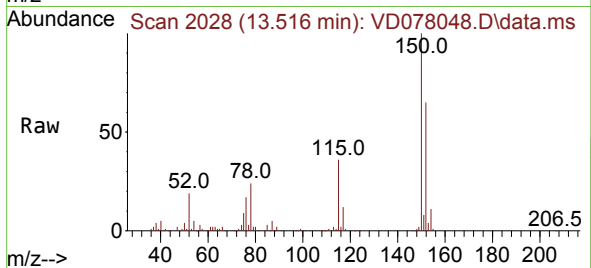
Tgt Ion:152 Resp: 126083

Ion Ratio Lower Upper

152 100

115 55.7 27.1 81.3

150 157.5 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 53.318 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD078048.D

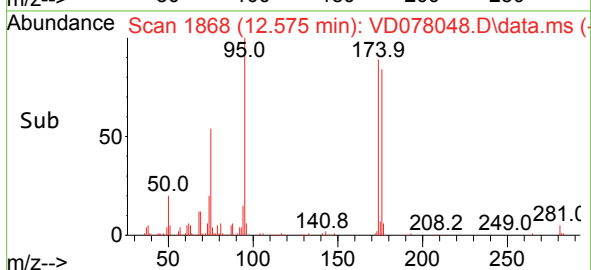
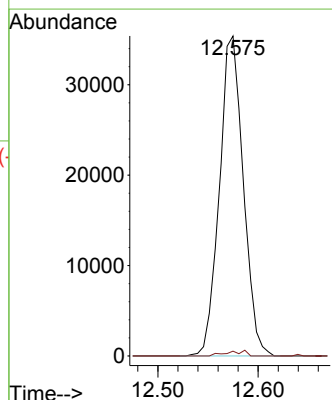
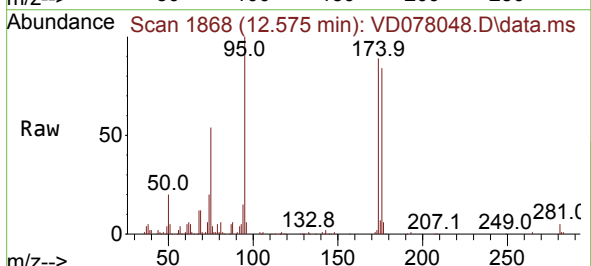
Acq: 22 Dec 2023 03:25

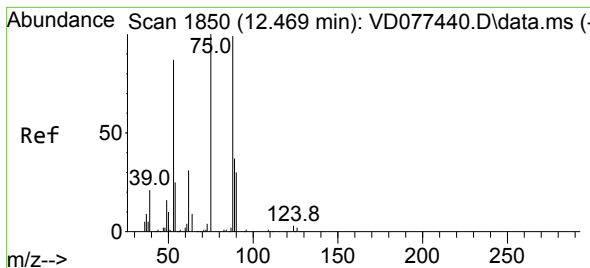
Tgt Ion: 75 Resp: 58385

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

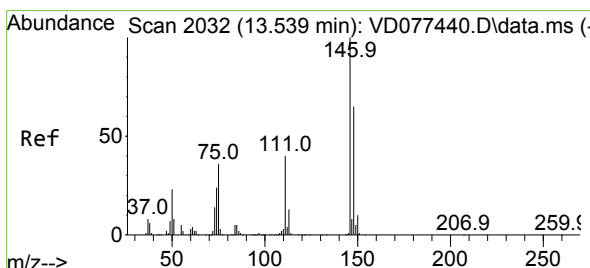
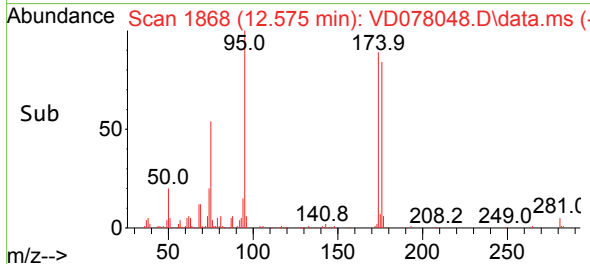
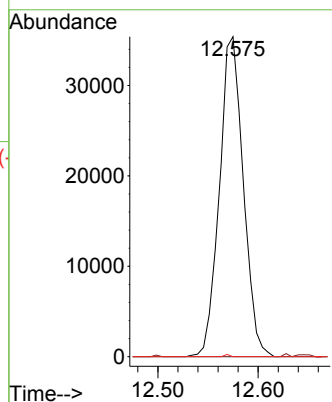
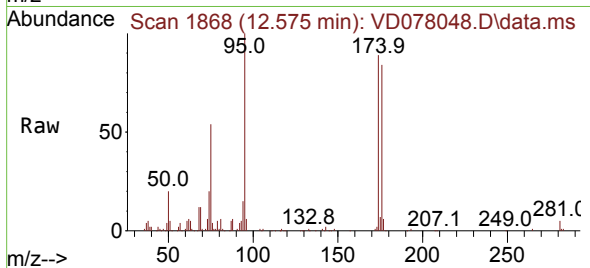




#81
trans-1,4-Dichloro-2-butene
Concen: 108.026 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078048.D
Acq: 22 Dec 2023 03:25

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 58385
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.1 37.9 56.9#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.516 min Scan# 2028
Delta R.T. -0.023 min
Lab File: VD078048.D
Acq: 22 Dec 2023 03:25

Tgt Ion:146 Resp: 53
Ion Ratio Lower Upper
146 100
111 3660.4 17.4 52.3#
148 1894.3 31.7 95.1#

