

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122223\
 Data File : VD078062.D
 Acq On : 22 Dec 2023 14:25
 Operator : RP/MD
 Sample : 05926-05RE
 Misc : 4.36G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 23 03:36:53 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)

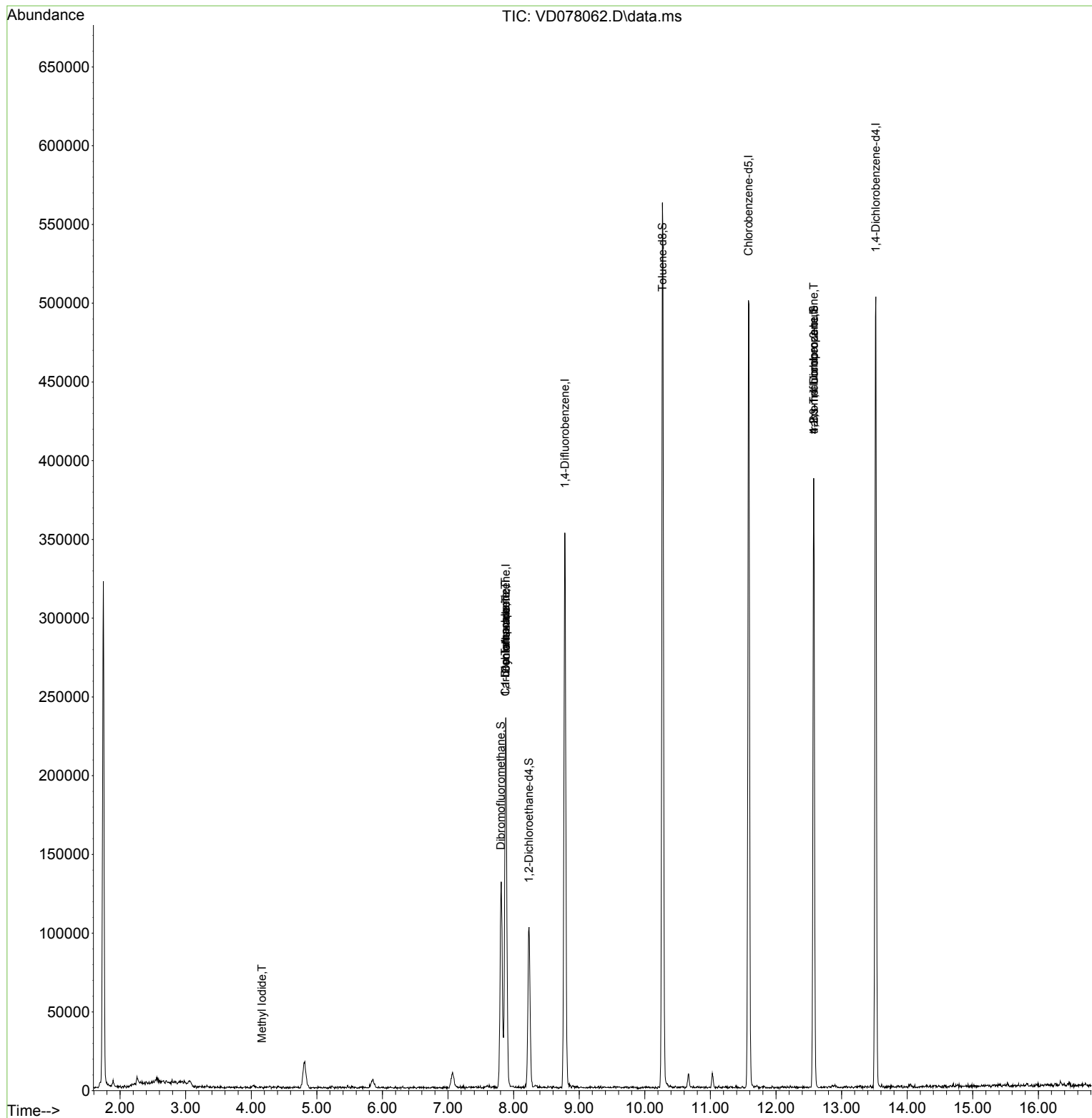
Internal Standards						
1) Pentafluorobenzene	7.881	168	178482	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	313361	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	302845	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	134863	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	81519	38.760	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	77.520%
35) Dibromofluoromethane	7.805	113	92918	42.332	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	84.660%
50) Toluene-d8	10.269	98	399107	45.398	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.800%
62) 4-Bromofluorobenzene	12.575	95	115308	43.871	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	87.740%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.164	142	122	6.797	ug/l #	46
11) Tert butyl alcohol	5.134	59	56	Below Cal	#	1
16) Acetone	4.034	43	2012	Below Cal		94
20) Methylene Chloride	4.799	84	7187	Below Cal	#	94
25) 2-Butanone	7.093	43	531	Below Cal	#	37
31) Cyclohexane	7.881	56	4179	1.117	ug/l #	50
36) 1,1-Dichloropropene	7.875	75	15285	4.353	ug/l #	48
38) Carbon Tetrachloride	7.875	117	18159	5.188	ug/l #	16
65) Chlorobenzene	11.610	112	63	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	60561	51.704	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	60561	104.757	ug/l #	17
88) 1,4-Dichlorobenzene	13.545	146	278	Below Cal	#	26
92) 1,2-Dibromo-3-Chloropr...	14.351	75	55	Below Cal	#	1

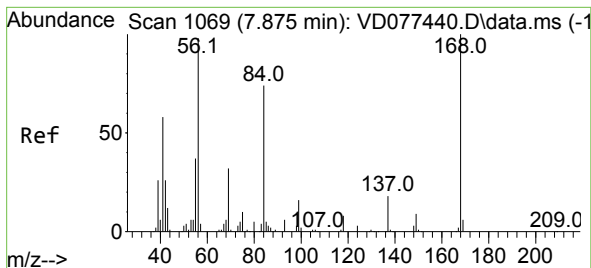
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Dec 14 14:48:10 2023
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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: VD078062.D

Acq: 22 Dec 2023 14:25

Instrument :

MSVOA_D

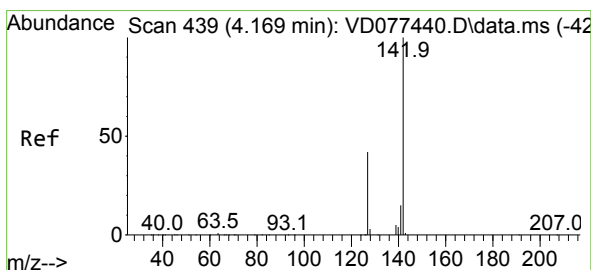
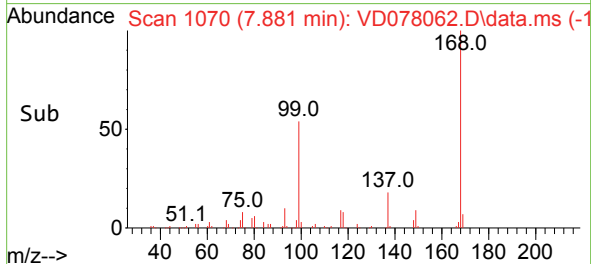
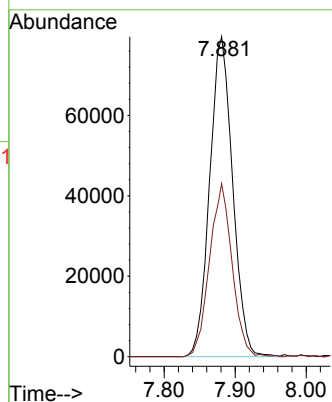
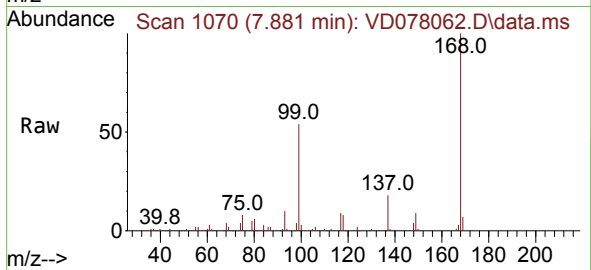
ClientSampleId :

Tgt Ion:168 Resp: 178482

Ion Ratio Lower Upper

168 100

99 54.0 36.7 55.1



#10

Methyl Iodide

Concen: 6.797 ug/l

RT: 4.164 min Scan# 438

Delta R.T. -0.005 min

Lab File: VD078062.D

Acq: 22 Dec 2023 14:25

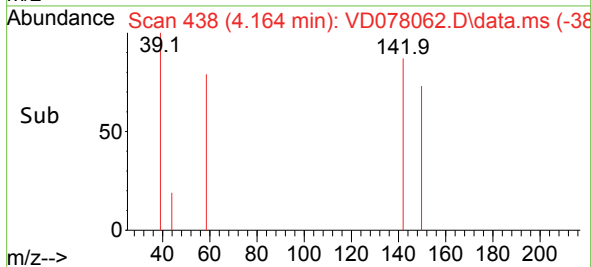
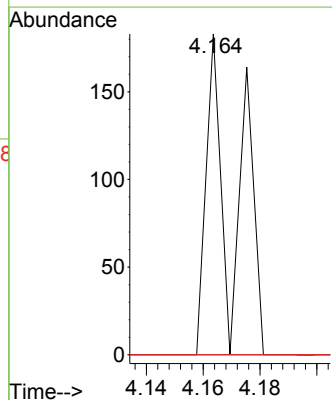
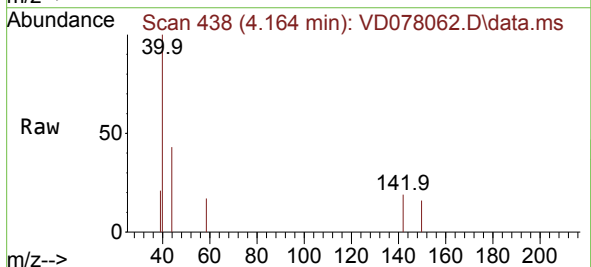
Tgt Ion:142 Resp: 122

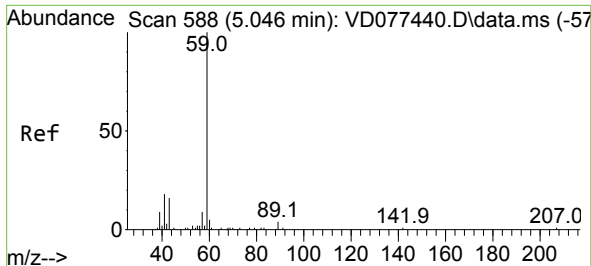
Ion Ratio Lower Upper

142 100

127 0.0 29.4 44.0#

141 0.0 11.1 16.7#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.134 min Scan# 603

Delta R.T. 0.088 min

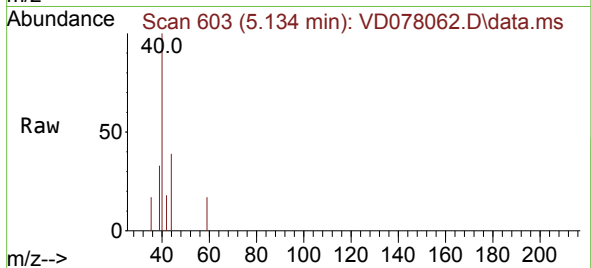
Lab File: VD078062.D

Acq: 22 Dec 2023 14:25

Instrument :

MSVOA_D

ClientSampleId :

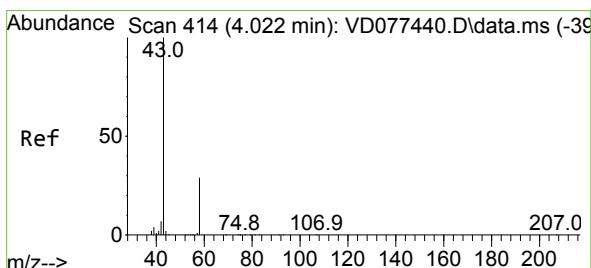
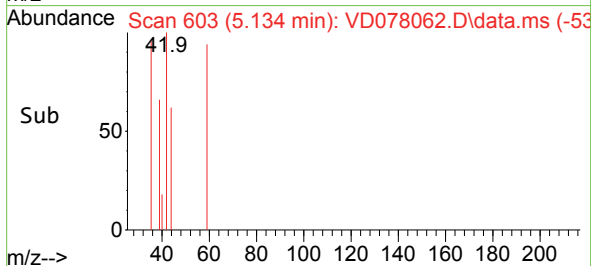
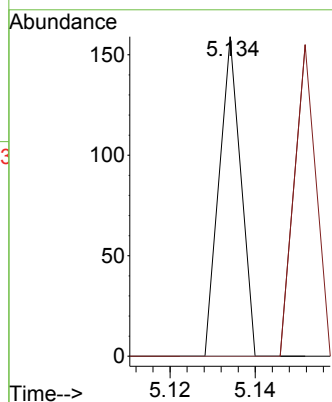


Tgt Ion: 59 Resp: 56

Ion Ratio Lower Upper

59 100

57 98.2 7.8 11.8#



#16

Acetone

Concen: Below Cal

RT: 4.034 min Scan# 416

Delta R.T. 0.012 min

Lab File: VD078062.D

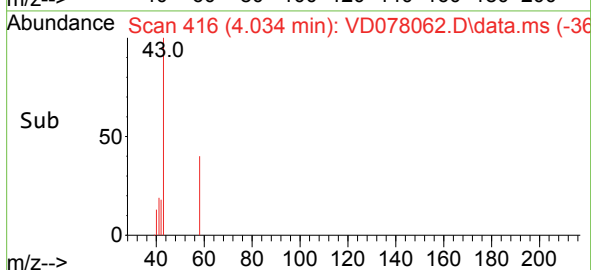
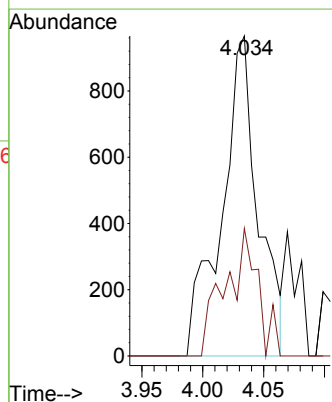
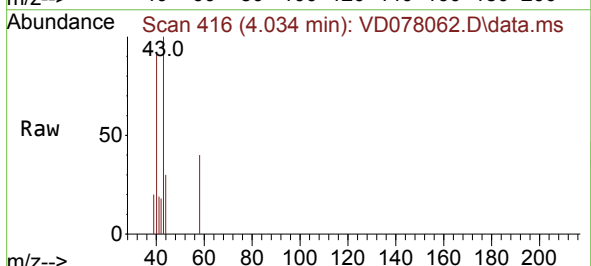
Acq: 22 Dec 2023 14:25

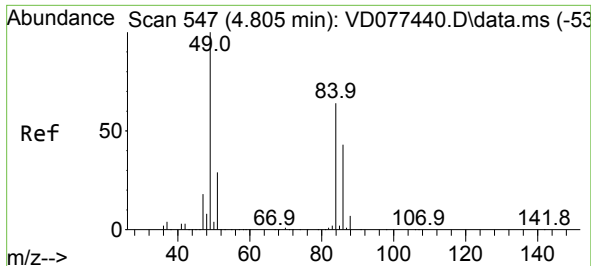
Tgt Ion: 43 Resp: 2012

Ion Ratio Lower Upper

43 100

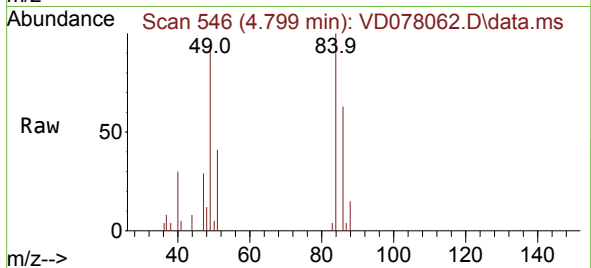
58 39.9 34.7 52.1



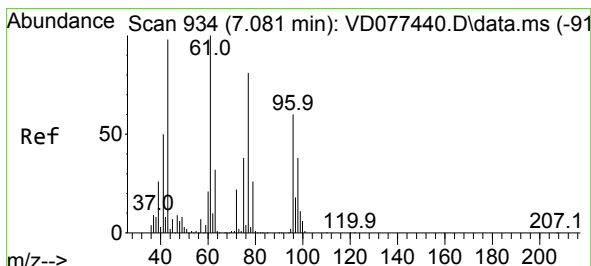
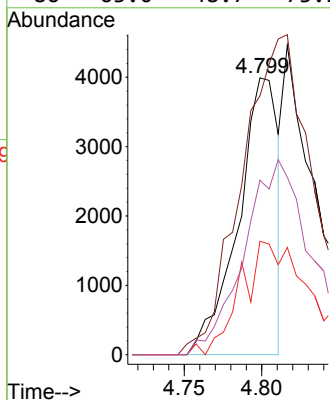
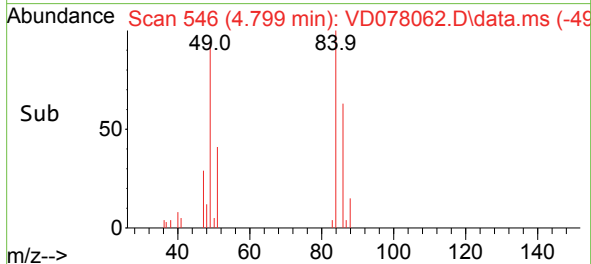


#20
Methylene Chloride
Concen: Below Cal
RT: 4.799 min Scan# 54
Delta R.T. -0.006 min
Lab File: VD078062.D
Acq: 22 Dec 2023 14:25

Instrument :
MSVOA_D
ClientSampleId :

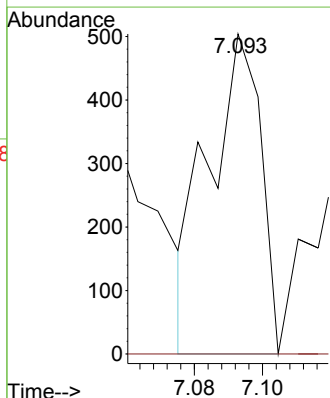
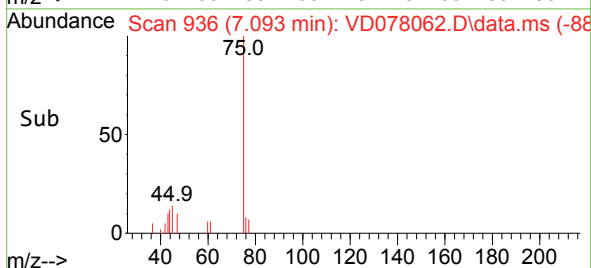
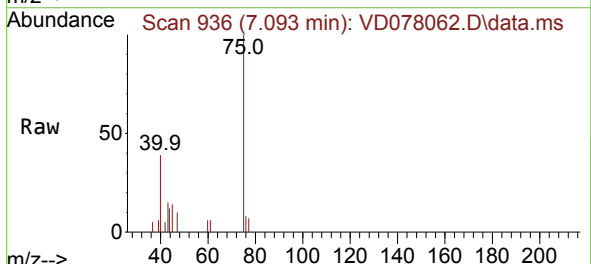


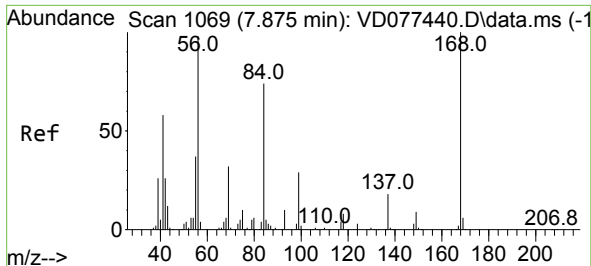
Tgt Ion: 84 Resp: 7187
Ion Ratio Lower Upper
84 100
49 93.6 71.4 107.2
51 41.0 24.5 36.7#
86 63.0 48.7 73.1



#25
2-Butanone
Concen: Below Cal
RT: 7.093 min Scan# 936
Delta R.T. 0.012 min
Lab File: VD078062.D
Acq: 22 Dec 2023 14:25

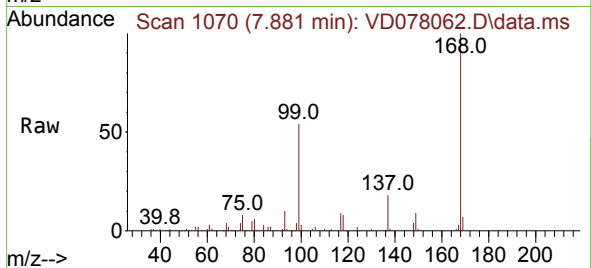
Tgt Ion: 43 Resp: 531
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



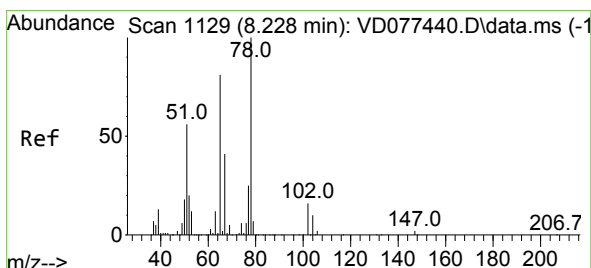
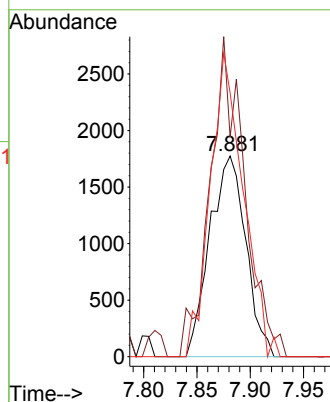
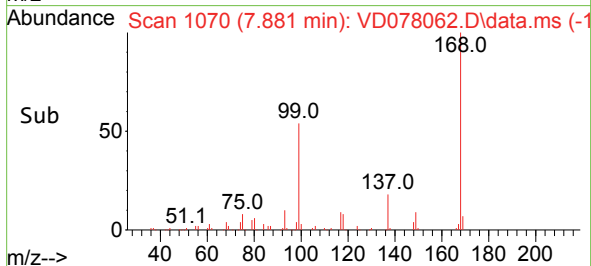


#31
Cyclohexane
Concen: 1.117 ug/l
RT: 7.881 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VD078062.D
Acq: 22 Dec 2023 14:25

Instrument :
MSVOA_D
ClientSampleId :

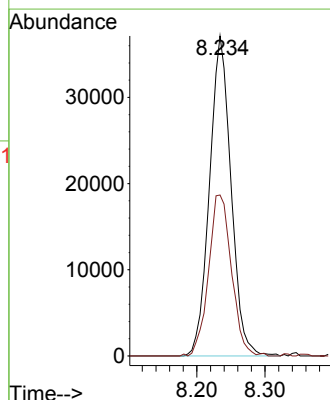
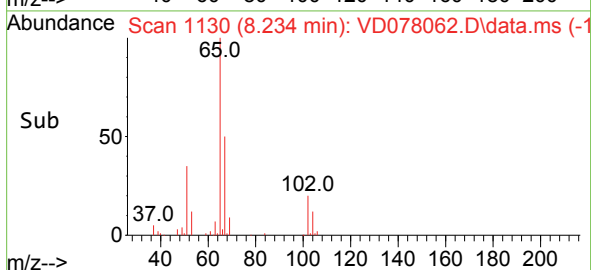
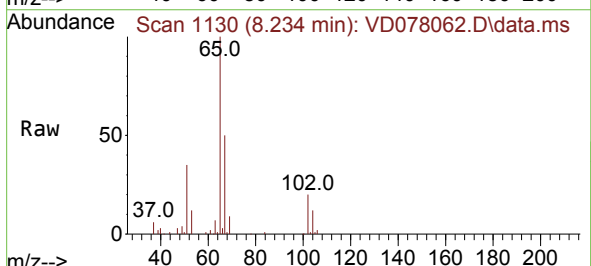


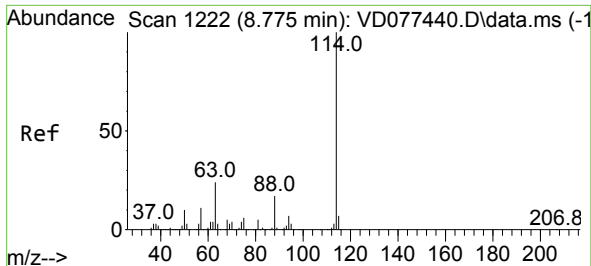
Tgt Ion: 56 Resp: 4179
Ion Ratio Lower Upper
56 100
69 109.4 28.6 43.0#
84 131.5 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 38.760 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD078062.D
Acq: 22 Dec 2023 14:25

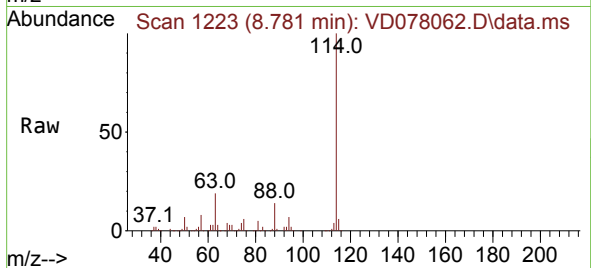
Tgt Ion: 65 Resp: 81519
Ion Ratio Lower Upper
65 100
67 53.7 0.0 115.0



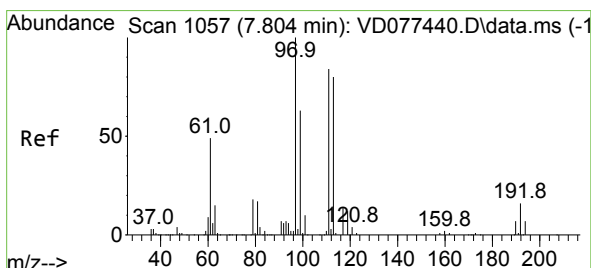
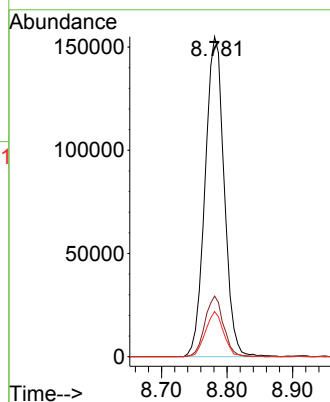
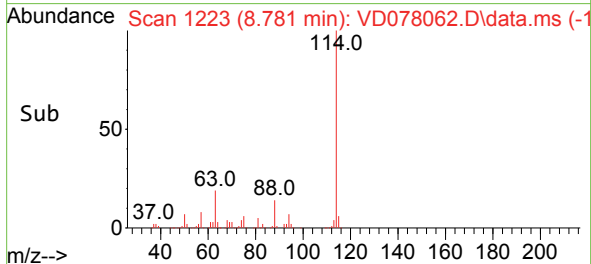


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 114
Delta R.T. 0.006 min
Lab File: VD078062.D
Acq: 22 Dec 2023 14:25

Instrument :
MSVOA_D
ClientSampleId :

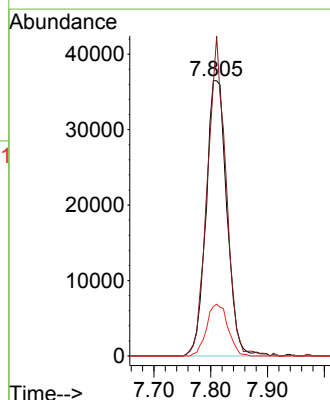
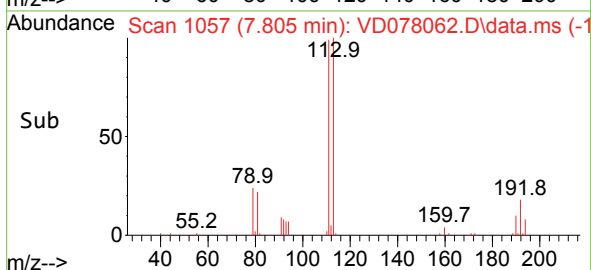
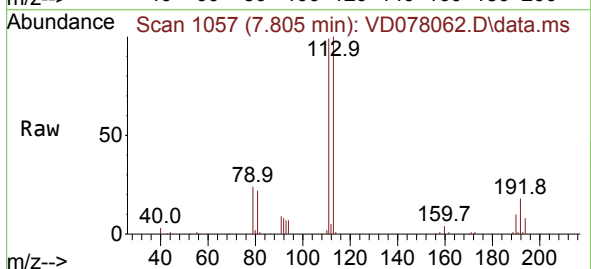


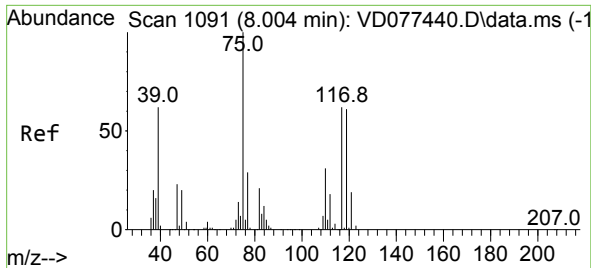
Tgt Ion:114 Resp: 313361
Ion Ratio Lower Upper
114 100
63 18.9 0.0 33.4
88 14.1 0.0 26.2



#35
Dibromofluoromethane
Concen: 42.332 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. 0.001 min
Lab File: VD078062.D
Acq: 22 Dec 2023 14:25

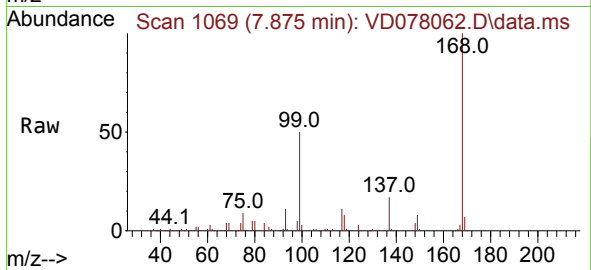
Tgt Ion:113 Resp: 92918
Ion Ratio Lower Upper
113 100
111 103.8 84.7 127.1
192 19.2 16.8 25.2



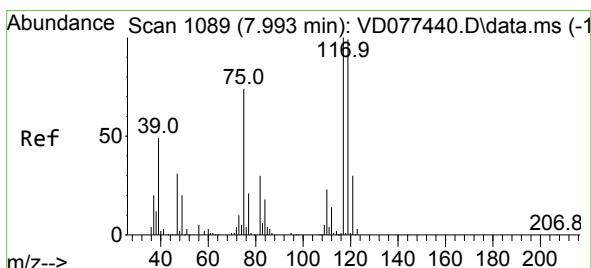
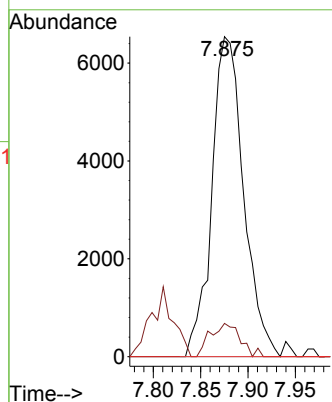
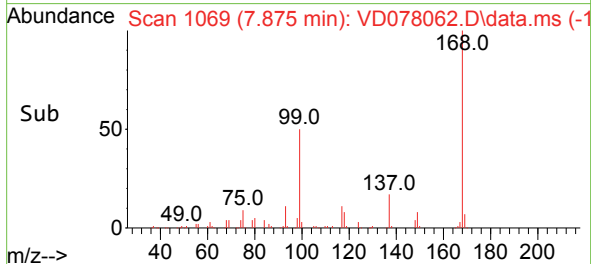


#36
1,1-Dichloropropene
Concen: 4.353 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VD078062.D
Acq: 22 Dec 2023 14:25

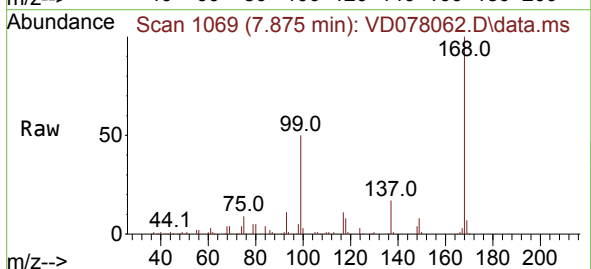
Instrument :
MSVOA_D
ClientSampleId :



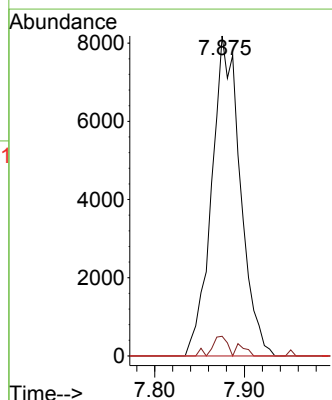
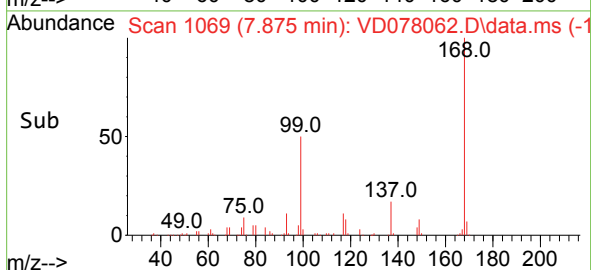
Tgt Ion: 75 Resp: 15285
Ion Ratio Lower Upper
75 100
110 9.9 19.9 59.6#
77 0.0 24.7 37.1#

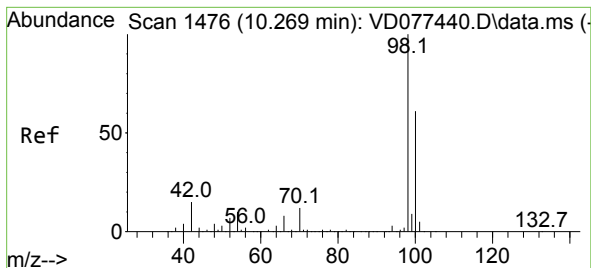


#38
Carbon Tetrachloride
Concen: 5.188 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD078062.D
Acq: 22 Dec 2023 14:25



Tgt Ion: 117 Resp: 18159
Ion Ratio Lower Upper
117 100
119 6.2 78.0 117.0#
121 0.0 24.2 36.2#

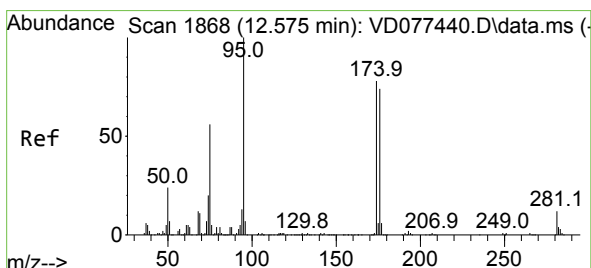
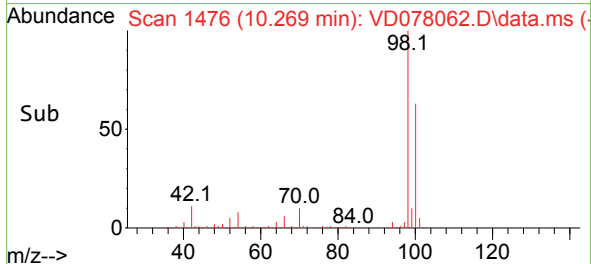
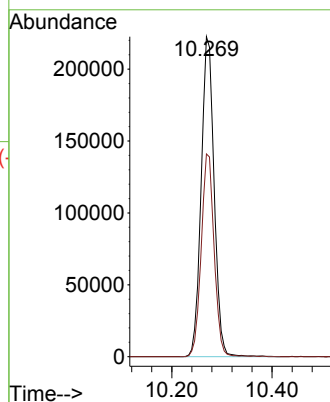
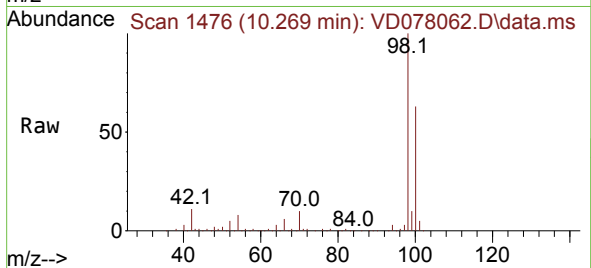




#50
Toluene-d8
Concen: 45.398 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078062.D
Acq: 22 Dec 2023 14:25

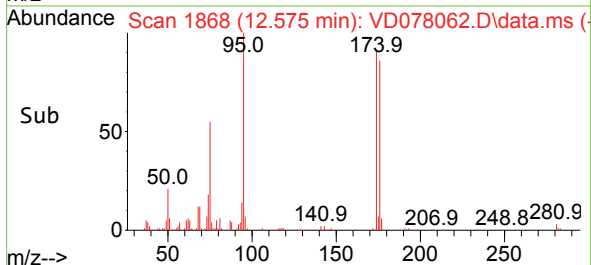
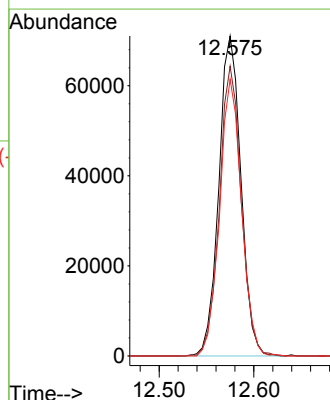
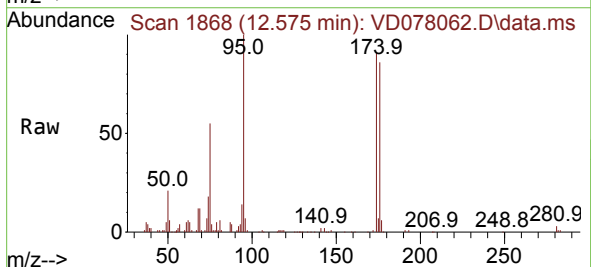
Instrument :
MSVOA_D
ClientSampleId :

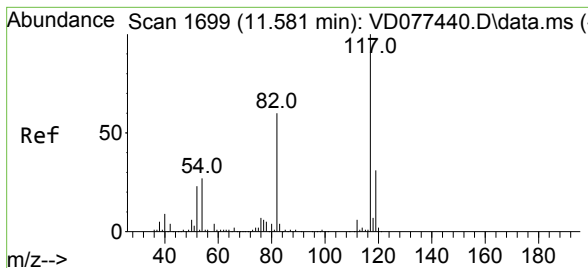
Tgt Ion: 98 Resp: 399107
Ion Ratio Lower Upper
98 100
100 63.1 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 43.871 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078062.D
Acq: 22 Dec 2023 14:25

Tgt Ion: 95 Resp: 115308
Ion Ratio Lower Upper
95 100
174 89.5 0.0 201.8
176 85.6 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD078062.D

Acq: 22 Dec 2023 14:25

Instrument :

MSVOA_D

ClientSampleId :

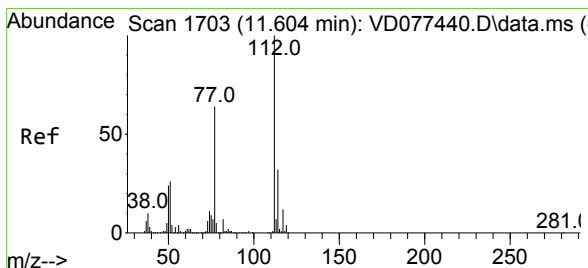
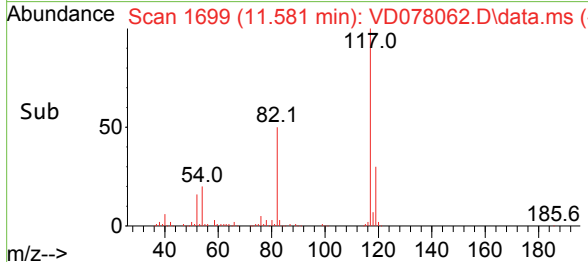
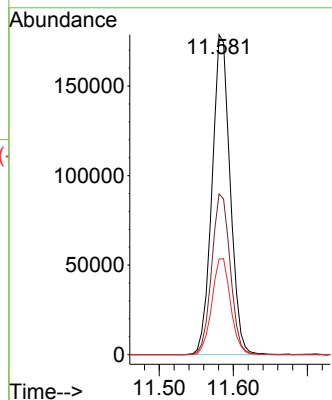
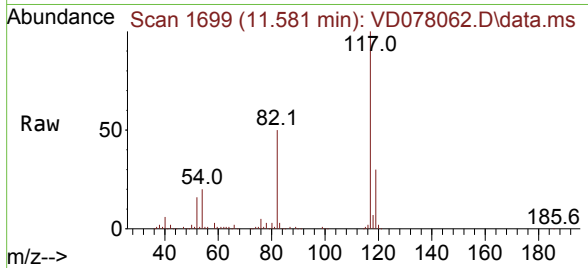
Tgt Ion:117 Resp: 302845

Ion Ratio Lower Upper

117 100

82 50.3 38.3 57.5

119 29.9 25.0 37.4



#65

Chlorobenzene

Concen: Below Cal

RT: 11.610 min Scan# 1704

Delta R.T. 0.006 min

Lab File: VD078062.D

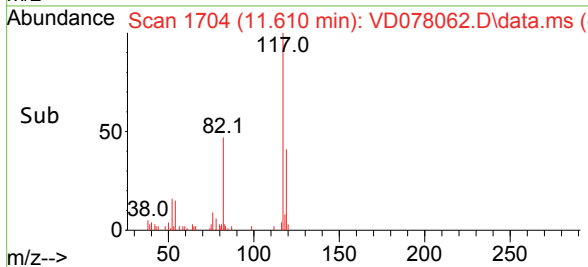
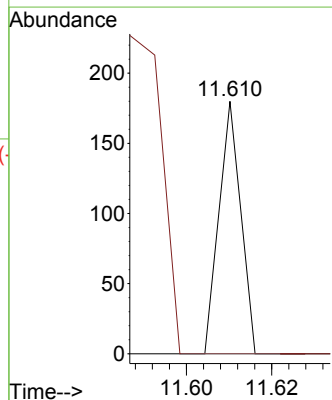
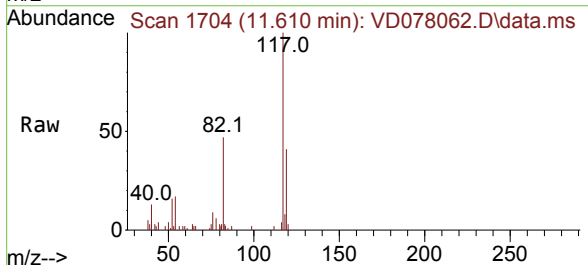
Acq: 22 Dec 2023 14:25

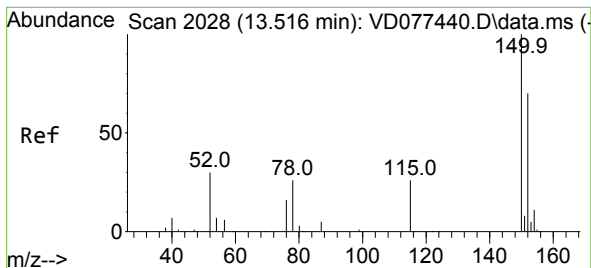
Tgt Ion:112 Resp: 63

Ion Ratio Lower Upper

112 100

114 0.0 25.1 37.7#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 20

Delta R.T. 0.006 min

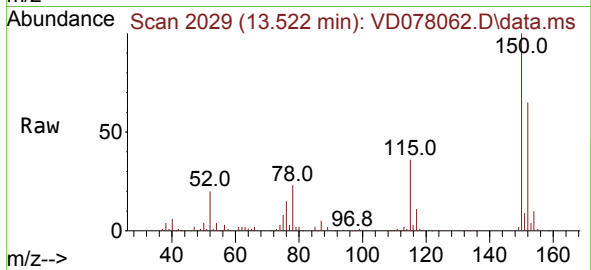
Lab File: VD078062.D

Acq: 22 Dec 2023 14:25

Instrument :

MSVOA_D

ClientSampleId :



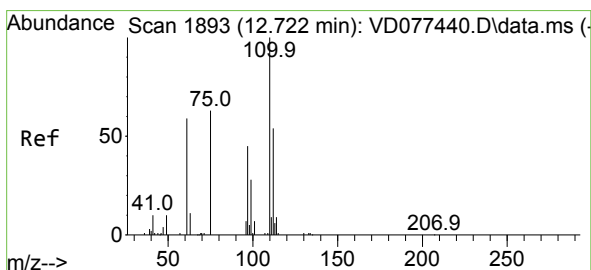
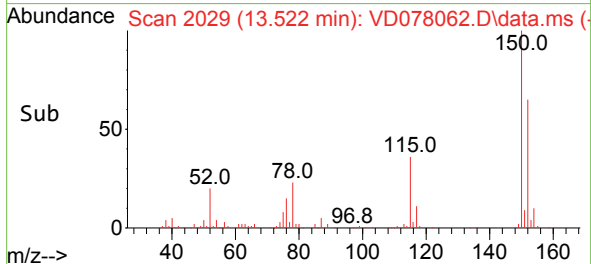
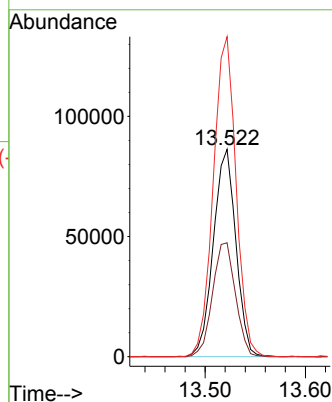
Tgt Ion:152 Resp: 134863

Ion Ratio Lower Upper

152 100

115 55.8 27.1 81.3

150 155.1 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 51.704 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD078062.D

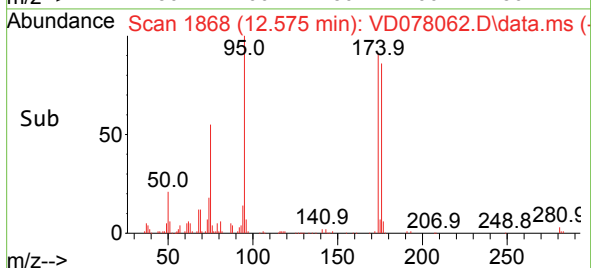
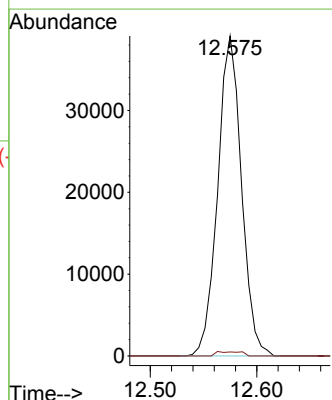
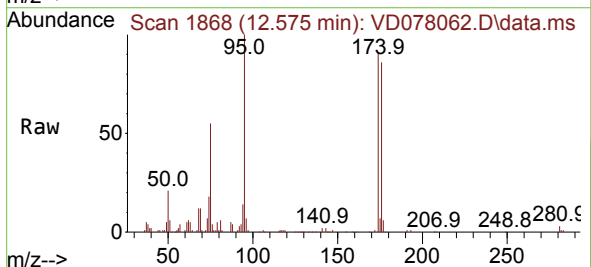
Acq: 22 Dec 2023 14:25

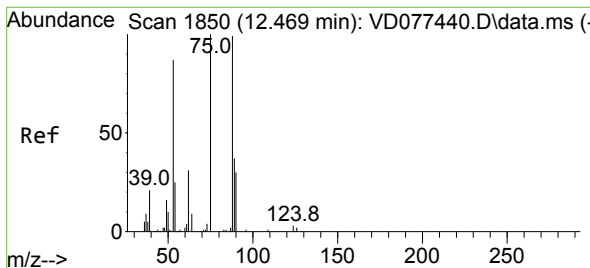
Tgt Ion: 75 Resp: 60561

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#

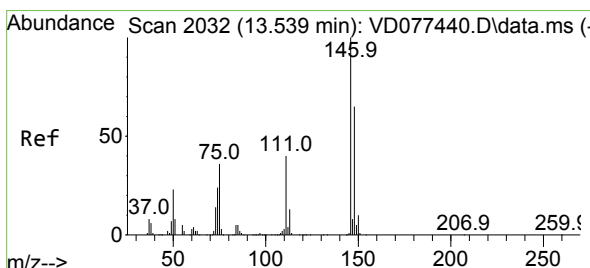
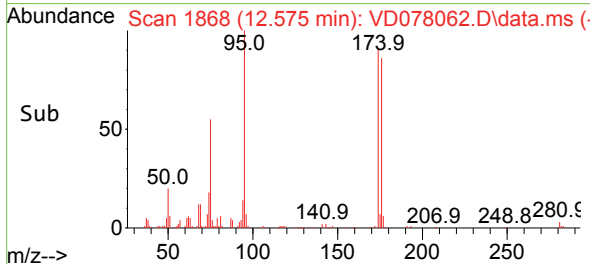
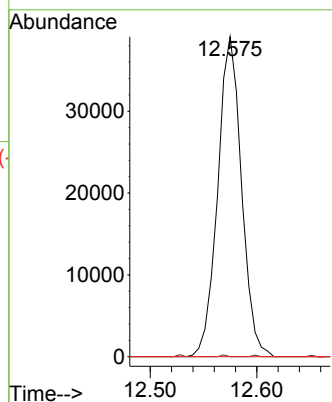
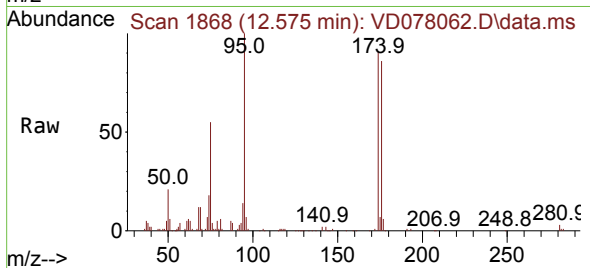




#81
trans-1,4-Dichloro-2-butene
Concen: 104.757 ug/l
RT: 12.575 min Scan# 1850
Delta R.T. 0.106 min
Lab File: VD078062.D
Acq: 22 Dec 2023 14:25

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 60561
Ion Ratio Lower Upper
75 100
53 0.1 63.0 94.4#
89 0.0 37.9 56.9#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.545 min Scan# 2033
Delta R.T. 0.006 min
Lab File: VD078062.D
Acq: 22 Dec 2023 14:25

Tgt Ion:146 Resp: 278
Ion Ratio Lower Upper
146 100
111 0.0 17.4 52.3#
148 0.0 31.7 95.1#

