

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122023\
 Data File : VD078011.D
 Acq On : 21 Dec 2023 00:25
 Operator : RP/MD
 Sample : 05887-07
 Misc : 3.85G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 21 05:32:53 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)

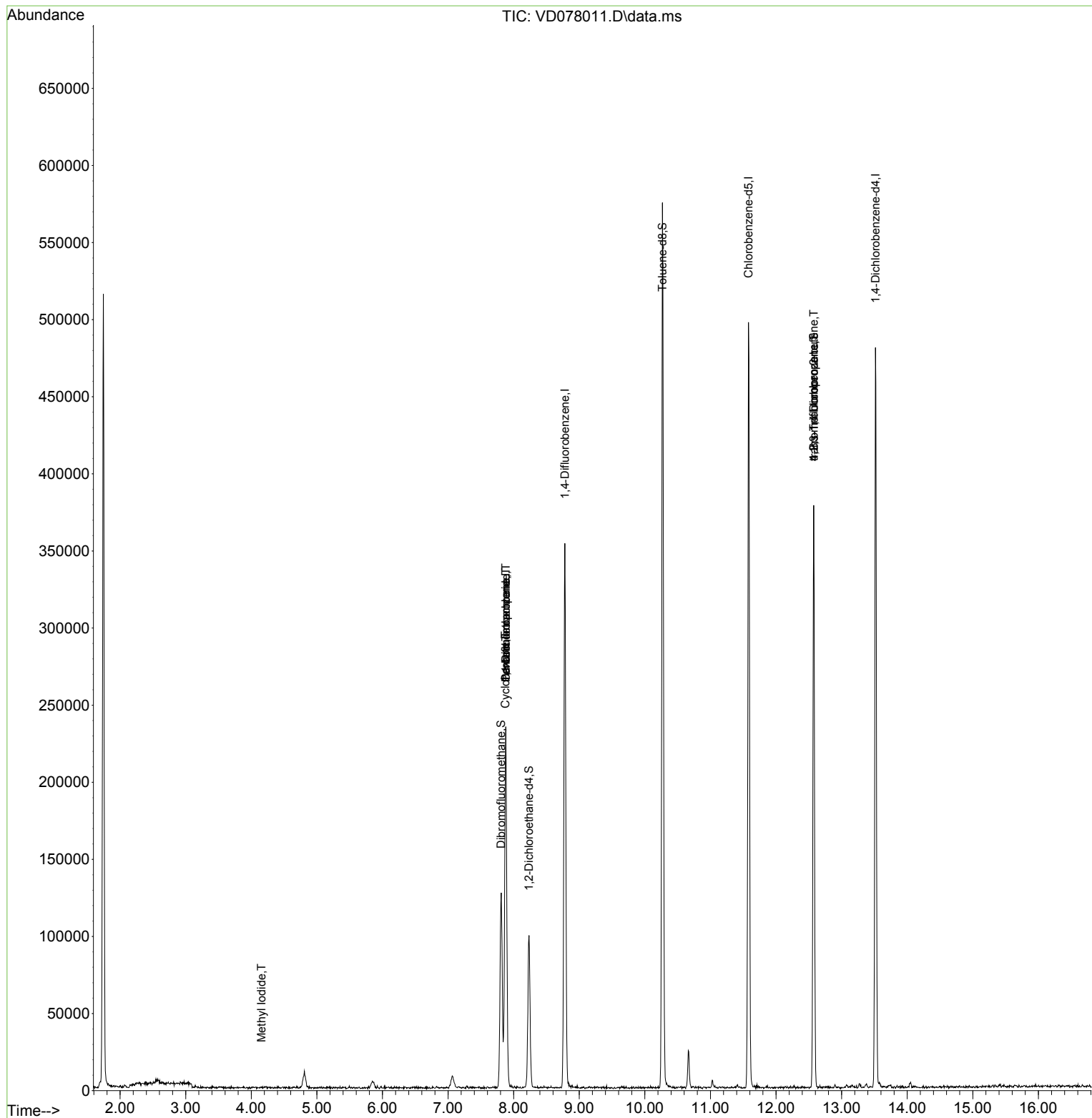
Internal Standards						
1) Pentafluorobenzene	7.881	168	177948	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	315821	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	293075	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	128927	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	77592	37.004	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	74.000%
35) Dibromofluoromethane	7.810	113	91530	41.375	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	82.740%
50) Toluene-d8	10.269	98	399678	45.109	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	90.220%
62) 4-Bromofluorobenzene	12.575	95	110079	41.555	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.120%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.158	142	62	6.770	ug/l #	46
11) Tert butyl alcohol	5.046	59	126	Below Cal	#	73
16) Acetone	4.011	43	72	Below Cal	#	32
20) Methylene Chloride	4.810	84	7287	Below Cal	#	74
25) 2-Butanone	7.075	43	339	Below Cal	#	37
31) Cyclohexane	7.875	56	3923	1.052	ug/l #	47
36) 1,1-Dichloropropene	7.881	75	14521	4.104	ug/l #	48
38) Carbon Tetrachloride	7.881	117	18298	5.187	ug/l #	16
65) Chlorobenzene	11.592	112	78	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	58160	51.941	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	58160	105.236	ug/l #	17
88) 1,4-Dichlorobenzene	13.522	146	78	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropr...	14.669	75	62	Below Cal	#	1

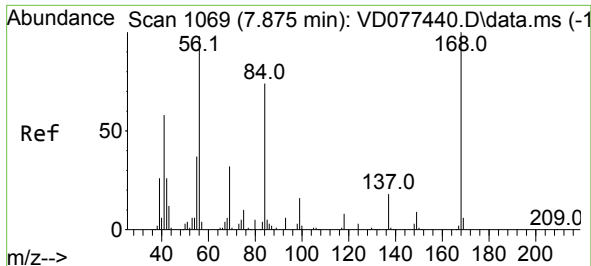
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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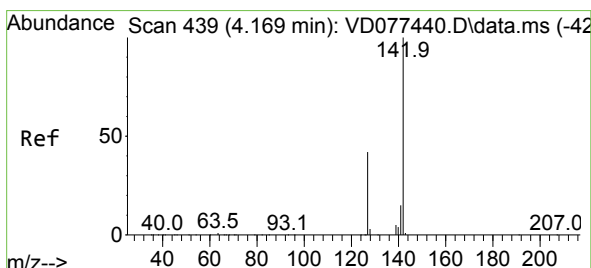
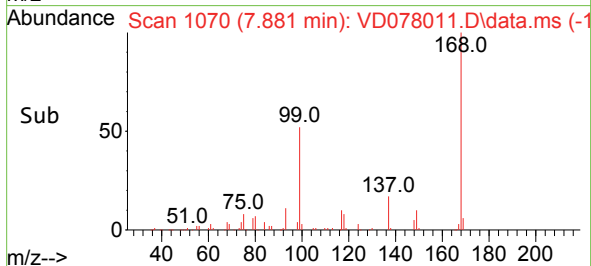
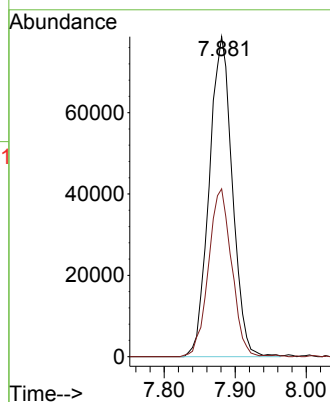
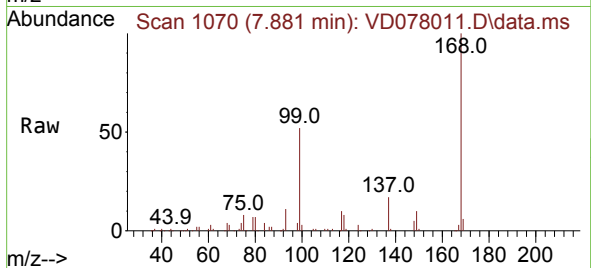




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD078011.D
Acq: 21 Dec 2023 00:25

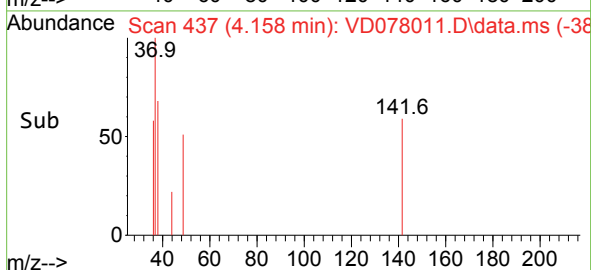
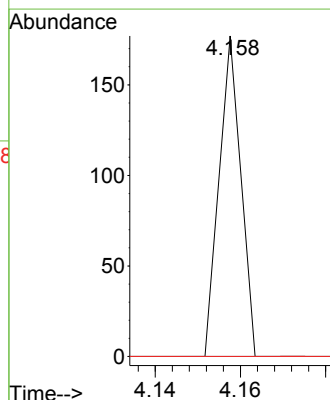
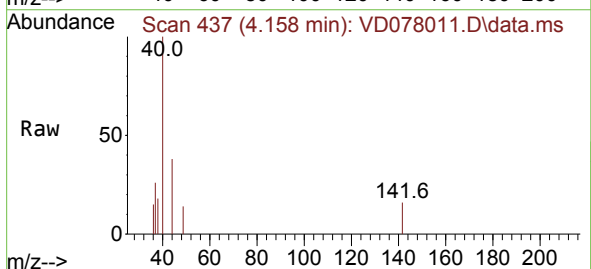
Instrument :
MSVOA_D
ClientSampleId :

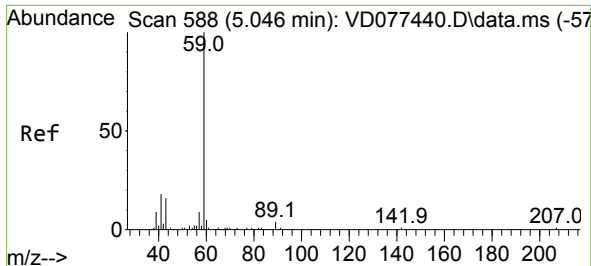
Tgt Ion:168 Resp: 177948
Ion Ratio Lower Upper
168 100
99 52.4 36.7 55.1



#10
Methyl Iodide
Concen: 6.770 ug/l
RT: 4.158 min Scan# 437
Delta R.T. -0.011 min
Lab File: VD078011.D
Acq: 21 Dec 2023 00:25

Tgt Ion:142 Resp: 62
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: 5.046 min Scan# 51

Delta R.T. -0.000 min

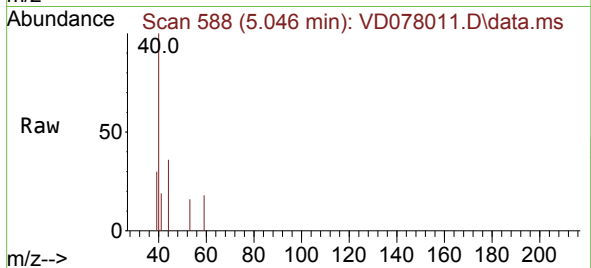
Lab File: VD078011.D

Acq: 21 Dec 2023 00:25

Instrument :

MSVOA_D

ClientSampleId :

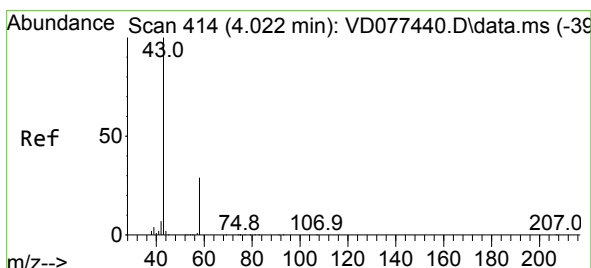
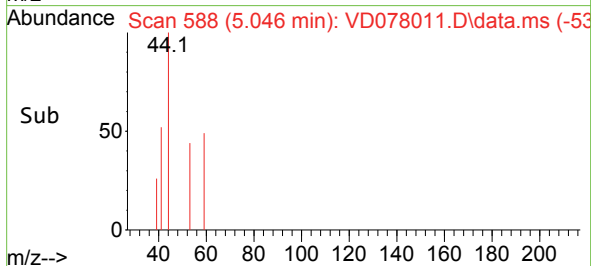
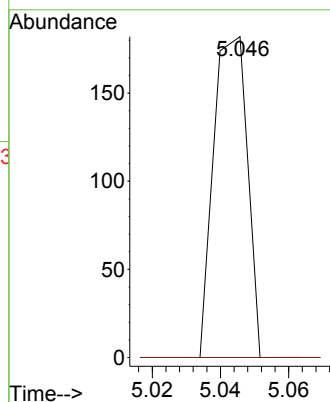


Tgt Ion: 59 Resp: 126

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#16

Acetone

Concen: Below Cal

RT: 4.011 min Scan# 412

Delta R.T. -0.011 min

Lab File: VD078011.D

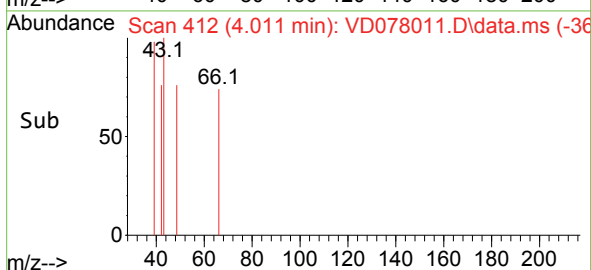
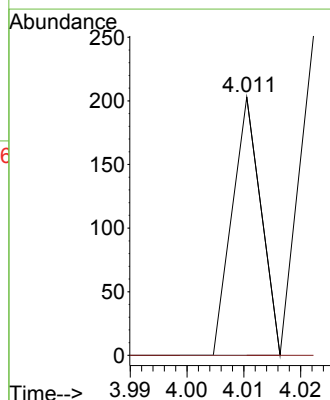
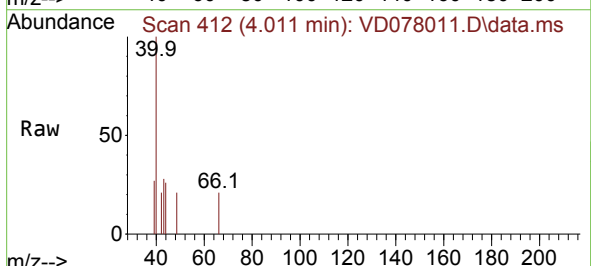
Acq: 21 Dec 2023 00:25

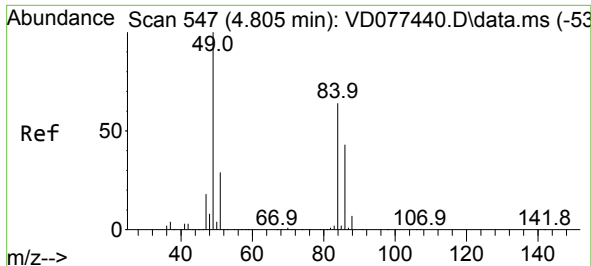
Tgt Ion: 43 Resp: 72

Ion Ratio Lower Upper

43 100

58 0.0 34.7 52.1#

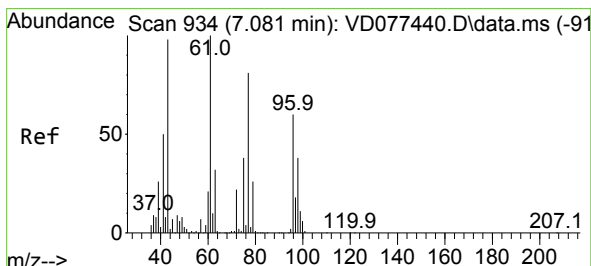
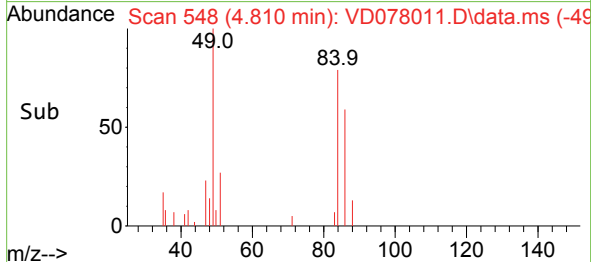
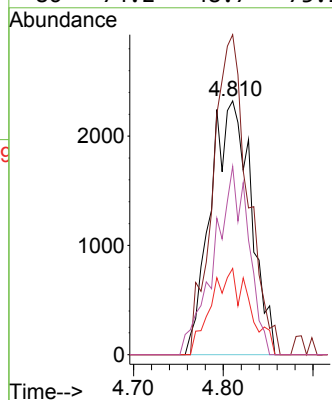
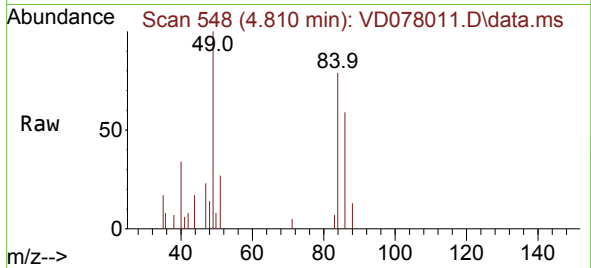




#20
Methylene Chloride
Concen: Below Cal
RT: 4.810 min Scan# 54
Delta R.T. 0.005 min
Lab File: VD078011.D
Acq: 21 Dec 2023 00:25

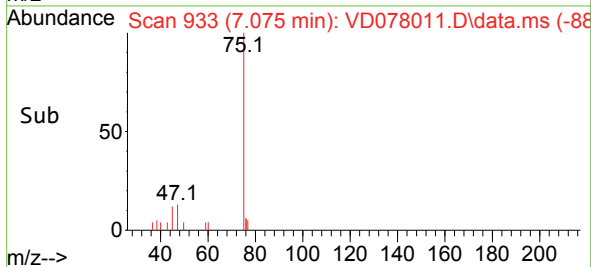
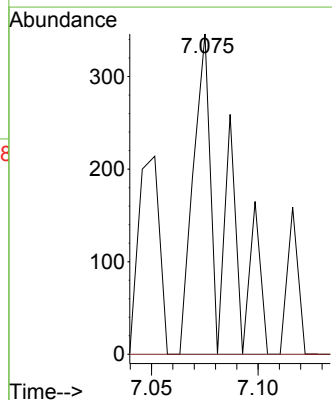
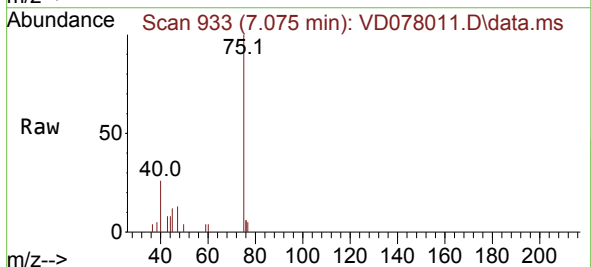
Instrument :
MSVOA_D
ClientSampleId :

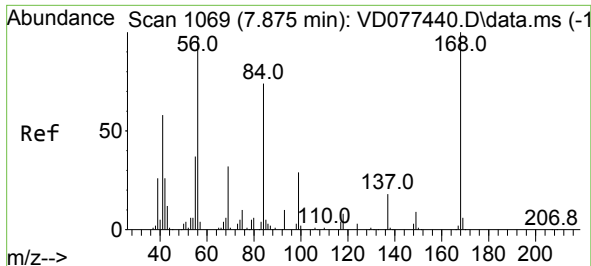
Tgt Ion: 84 Resp: 7287
Ion Ratio Lower Upper
84 100
49 126.1 71.4 107.2#
51 34.0 24.5 36.7
86 74.2 48.7 73.1#



#25
2-Butanone
Concen: Below Cal
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD078011.D
Acq: 21 Dec 2023 00:25

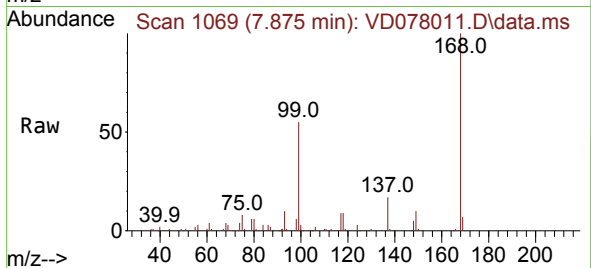
Tgt Ion: 43 Resp: 339
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



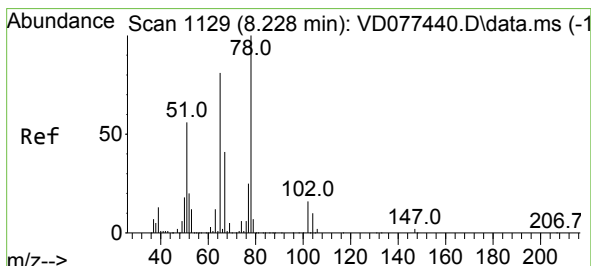
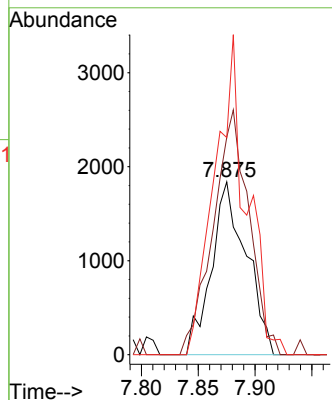
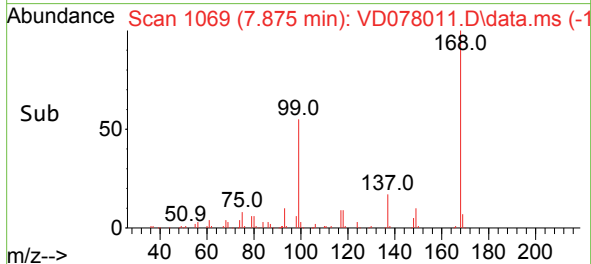


#31
Cyclohexane
Concen: 1.052 ug/l
RT: 7.875 min Scan# 110
Delta R.T. 0.000 min
Lab File: VD078011.D
Acq: 21 Dec 2023 00:25

Instrument :
MSVOA_D
ClientSampleId :

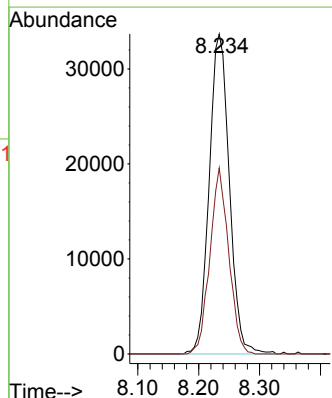
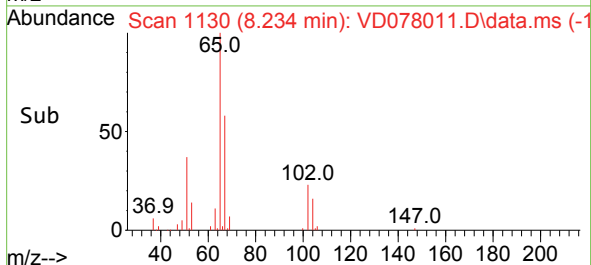
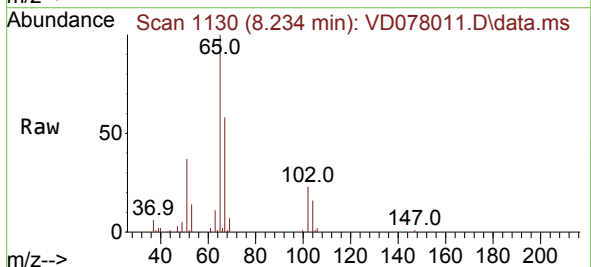


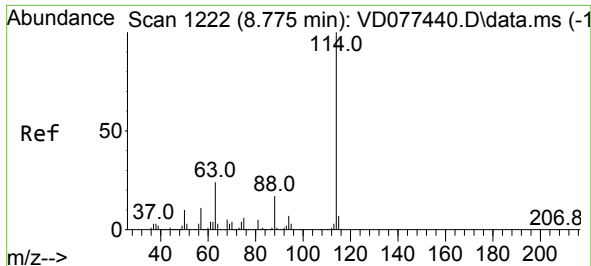
Tgt Ion: 56 Resp: 3923
Ion Ratio Lower Upper
56 100
69 125.8 28.6 43.0#
84 125.7 84.8 127.2



#33
1,2-Dichloroethane-d4
Concen: 37.004 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD078011.D
Acq: 21 Dec 2023 00:25

Tgt Ion: 65 Resp: 77592
Ion Ratio Lower Upper
65 100
67 54.2 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: VD078011.D

Acq: 21 Dec 2023 00:25

Instrument :

MSVOA_D

ClientSampleId :

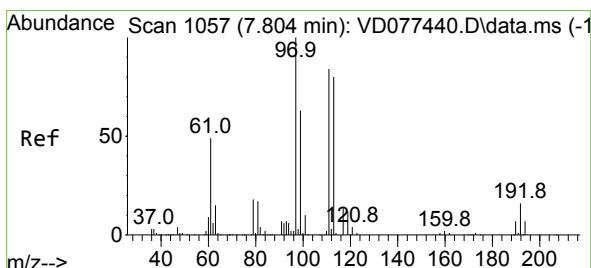
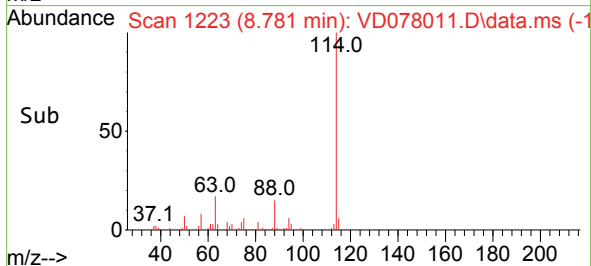
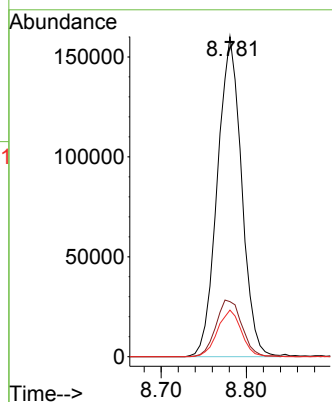
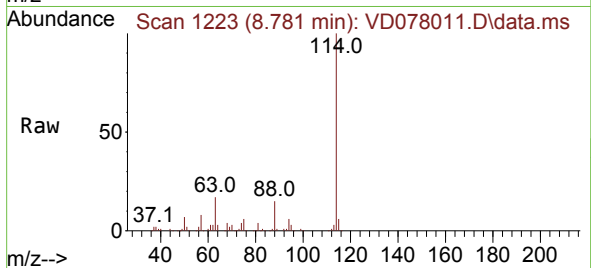
Tgt Ion:114 Resp: 315821

Ion Ratio Lower Upper

114 100

63 17.2 0.0 33.4

88 14.6 0.0 26.2



#35

Dibromofluoromethane

Concen: 41.375 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD078011.D

Acq: 21 Dec 2023 00:25

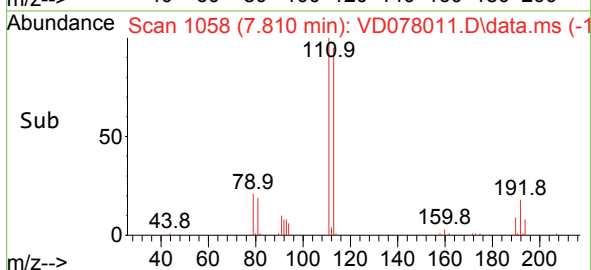
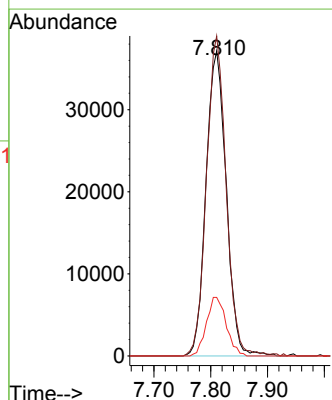
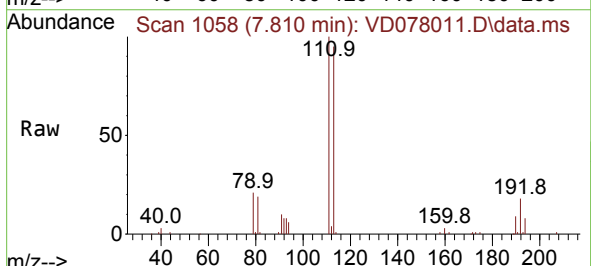
Tgt Ion:113 Resp: 91530

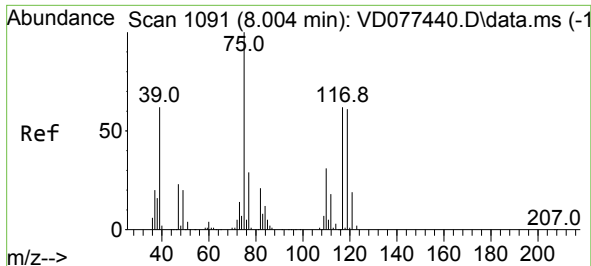
Ion Ratio Lower Upper

113 100

111 102.5 84.7 127.1

192 18.9 16.8 25.2

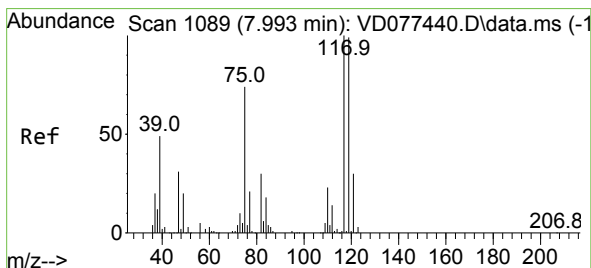
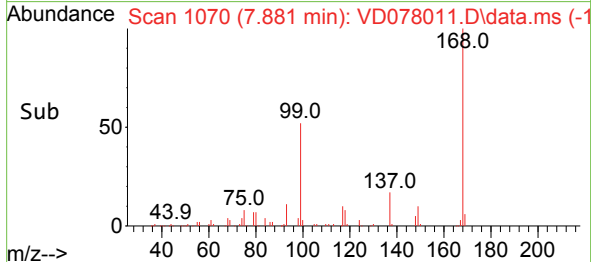
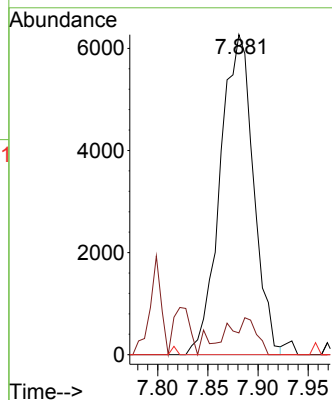
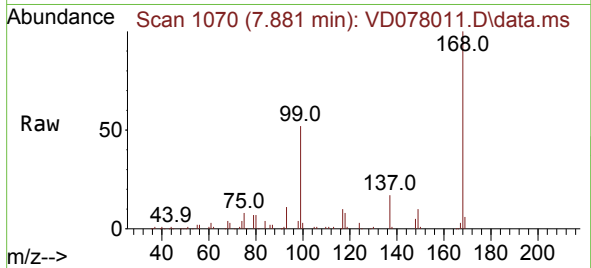




#36
1,1-Dichloropropene
Concen: 4.104 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.123 min
Lab File: VD078011.D
Acq: 21 Dec 2023 00:25

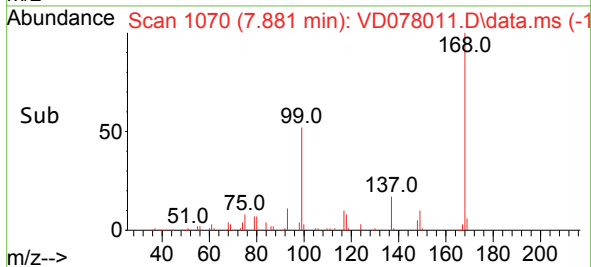
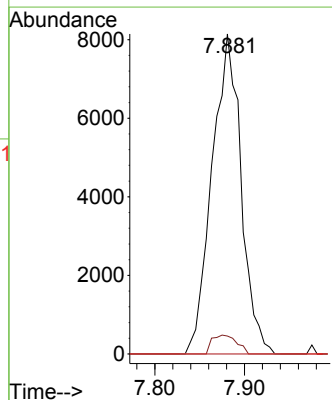
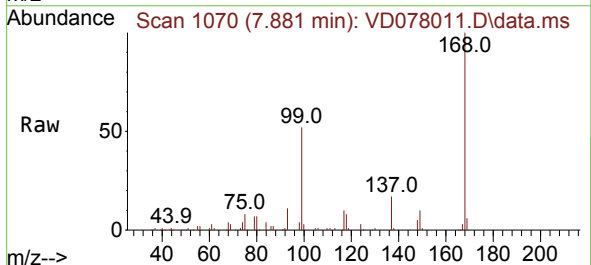
Instrument :
MSVOA_D
ClientSampleId :

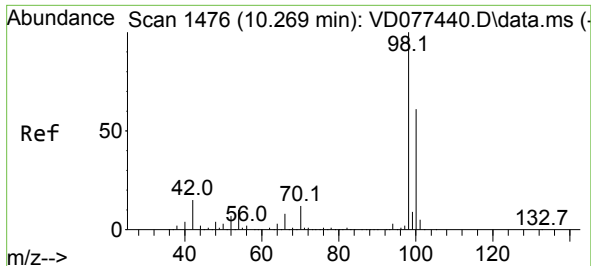
Tgt Ion: 75 Resp: 14521
Ion Ratio Lower Upper
75 100
110 9.3 19.9 59.6#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.187 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.112 min
Lab File: VD078011.D
Acq: 21 Dec 2023 00:25

Tgt Ion: 117 Resp: 18298
Ion Ratio Lower Upper
117 100
119 5.6 78.0 117.0#
121 0.0 24.2 36.2#

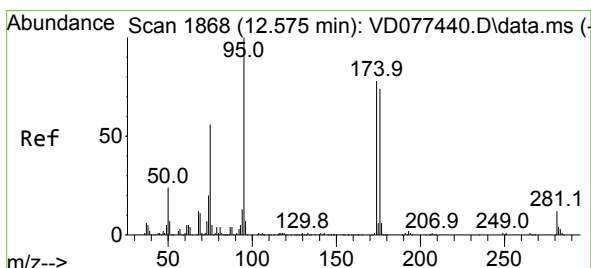
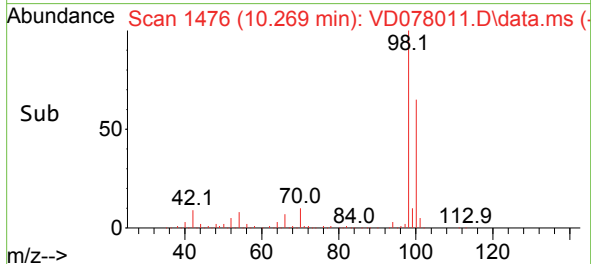
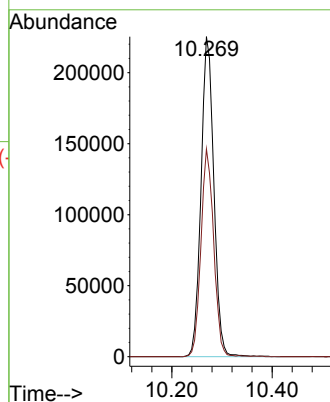
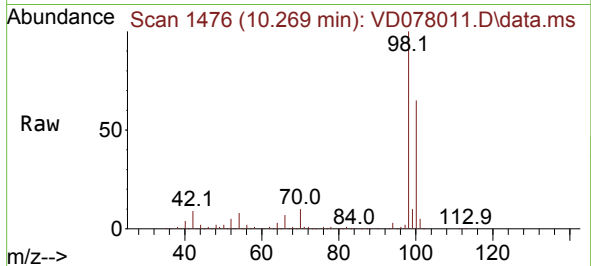




#50
Toluene-d8
Concen: 45.109 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078011.D
Acq: 21 Dec 2023 00:25

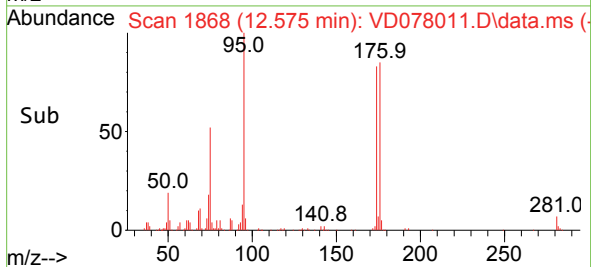
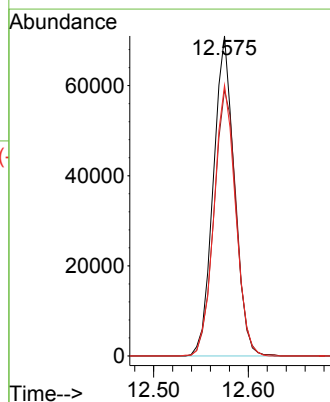
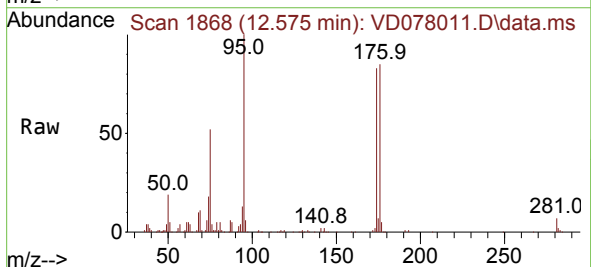
Instrument :
MSVOA_D
ClientSampleId :

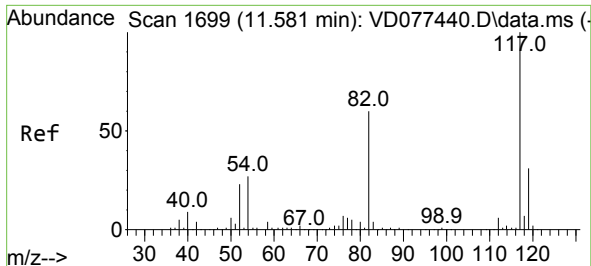
Tgt Ion: 98 Resp: 399678
Ion Ratio Lower Upper
98 100
100 64.6 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 41.555 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078011.D
Acq: 21 Dec 2023 00:25

Tgt Ion: 95 Resp: 110079
Ion Ratio Lower Upper
95 100
174 87.6 0.0 201.8
176 86.6 0.0 191.8

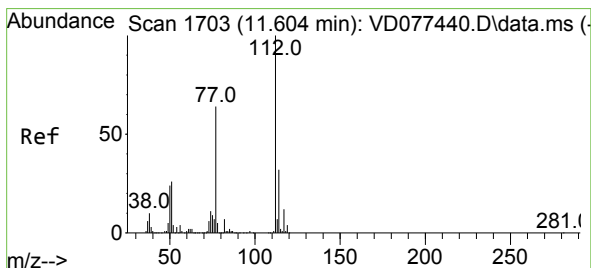
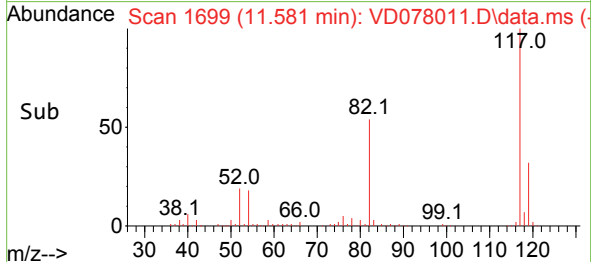
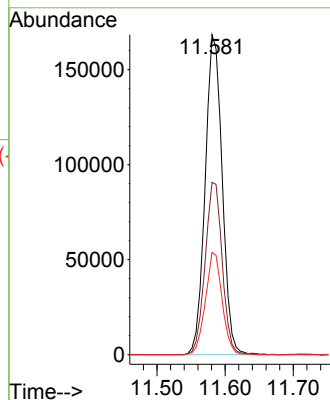
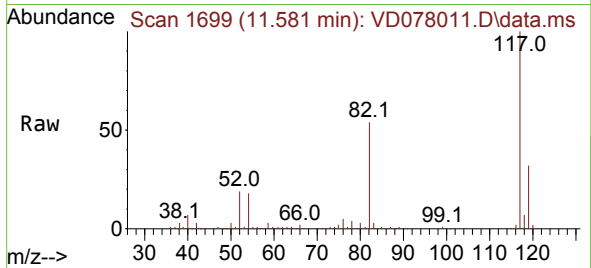




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD078011.D
Acq: 21 Dec 2023 00:25

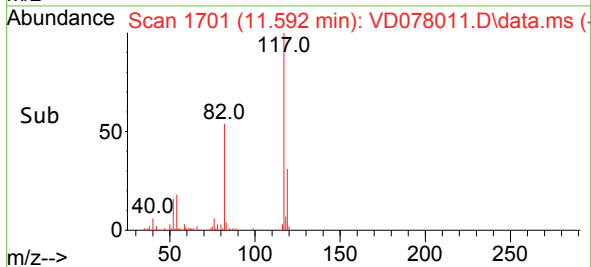
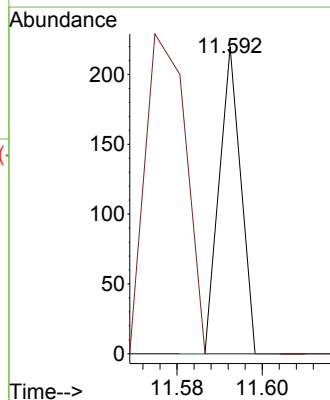
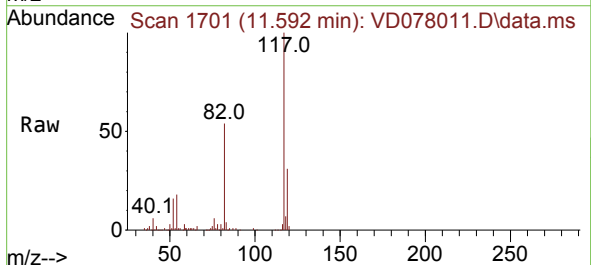
Instrument :
MSVOA_D
ClientSampleId :

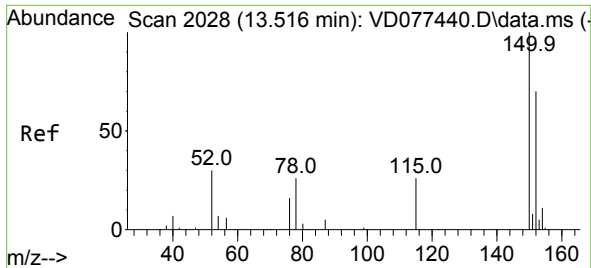
Tgt Ion:117 Resp: 293075
Ion Ratio Lower Upper
117 100
82 53.9 38.3 57.5
119 32.0 25.0 37.4



#65
Chlorobenzene
Concen: Below Cal
RT: 11.592 min Scan# 1701
Delta R.T. -0.012 min
Lab File: VD078011.D
Acq: 21 Dec 2023 00:25

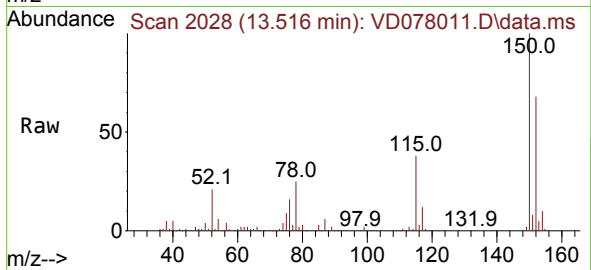
Tgt Ion:112 Resp: 78
Ion Ratio Lower Upper
112 100
114 0.0 25.1 37.7#



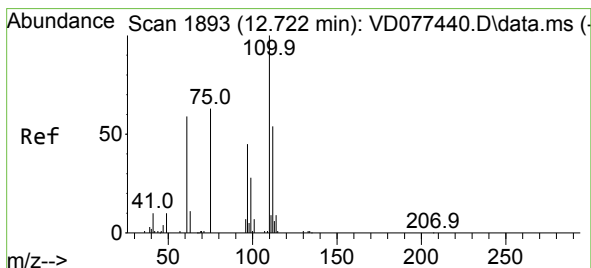
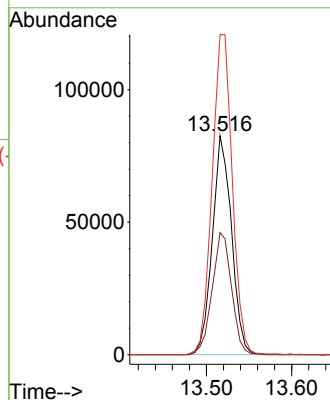
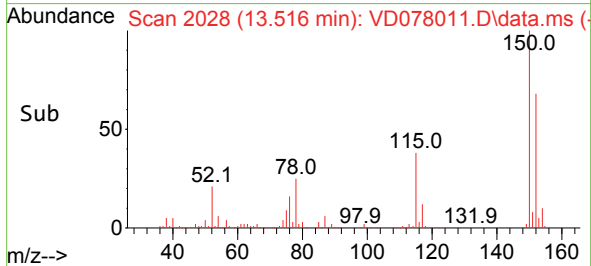


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 20
Delta R.T. -0.000 min
Lab File: VD078011.D
Acq: 21 Dec 2023 00:25

Instrument :
MSVOA_D
ClientSampleId :

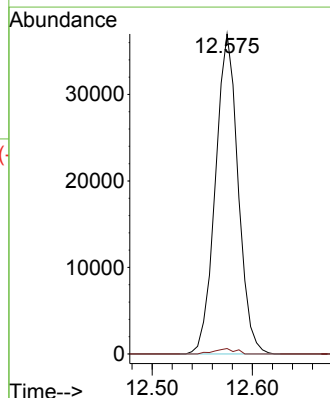
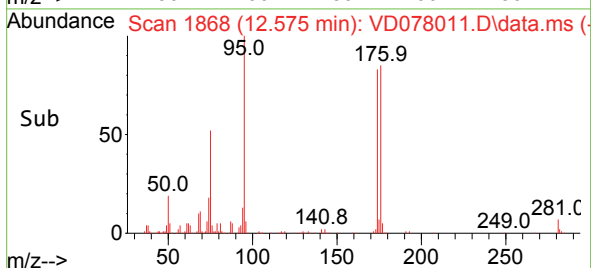
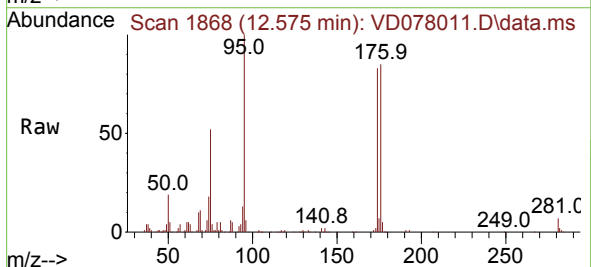


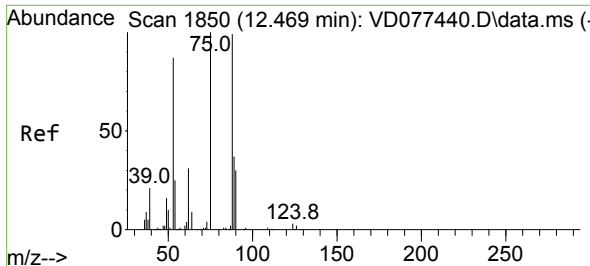
Tgt Ion:152 Resp: 128927
Ion Ratio Lower Upper
152 100
115 56.4 27.1 81.3
150 154.2 0.0 353.6



#76
1,2,3-Trichloropropane
Concen: 51.941 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD078011.D
Acq: 21 Dec 2023 00:25

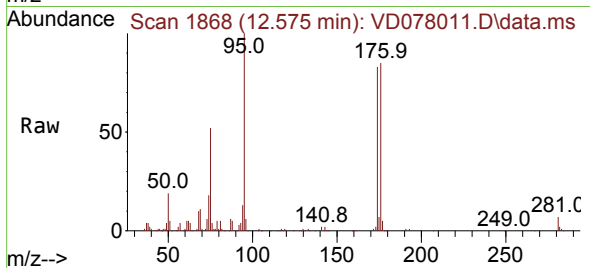
Tgt Ion: 75 Resp: 58160
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



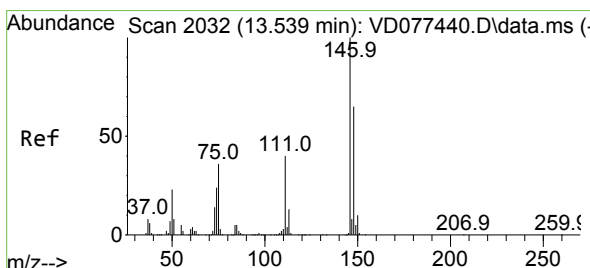
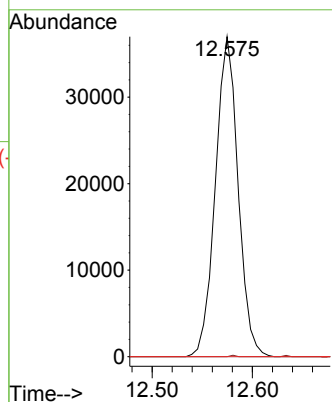
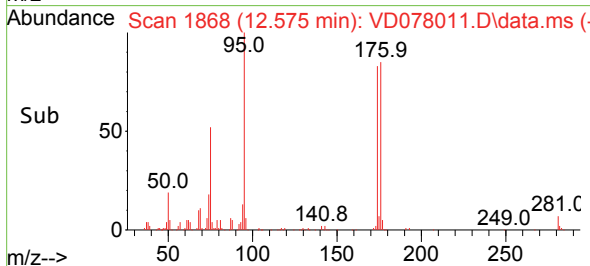


#81
trans-1,4-Dichloro-2-butene
Concen: 105.236 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078011.D
Acq: 21 Dec 2023 00:25

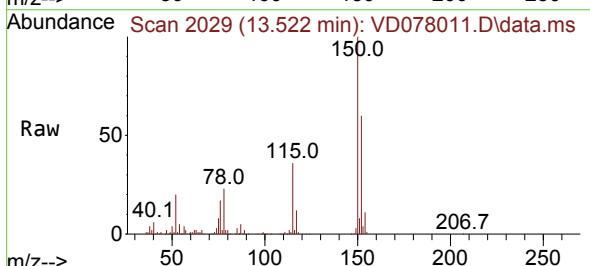
Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 58160
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: 13.522 min Scan# 2029
Delta R.T. -0.017 min
Lab File: VD078011.D
Acq: 21 Dec 2023 00:25



Tgt Ion: 146 Resp: 78
Ion Ratio Lower Upper
146 100
111 2473.1 17.4 52.3#
148 609.0 31.7 95.1#

