

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122023\
 Data File : VD078012.D
 Acq On : 21 Dec 2023 00:52
 Operator : RP/MD
 Sample : 05876-02
 Misc : 3.79G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 21 05:33:16 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)

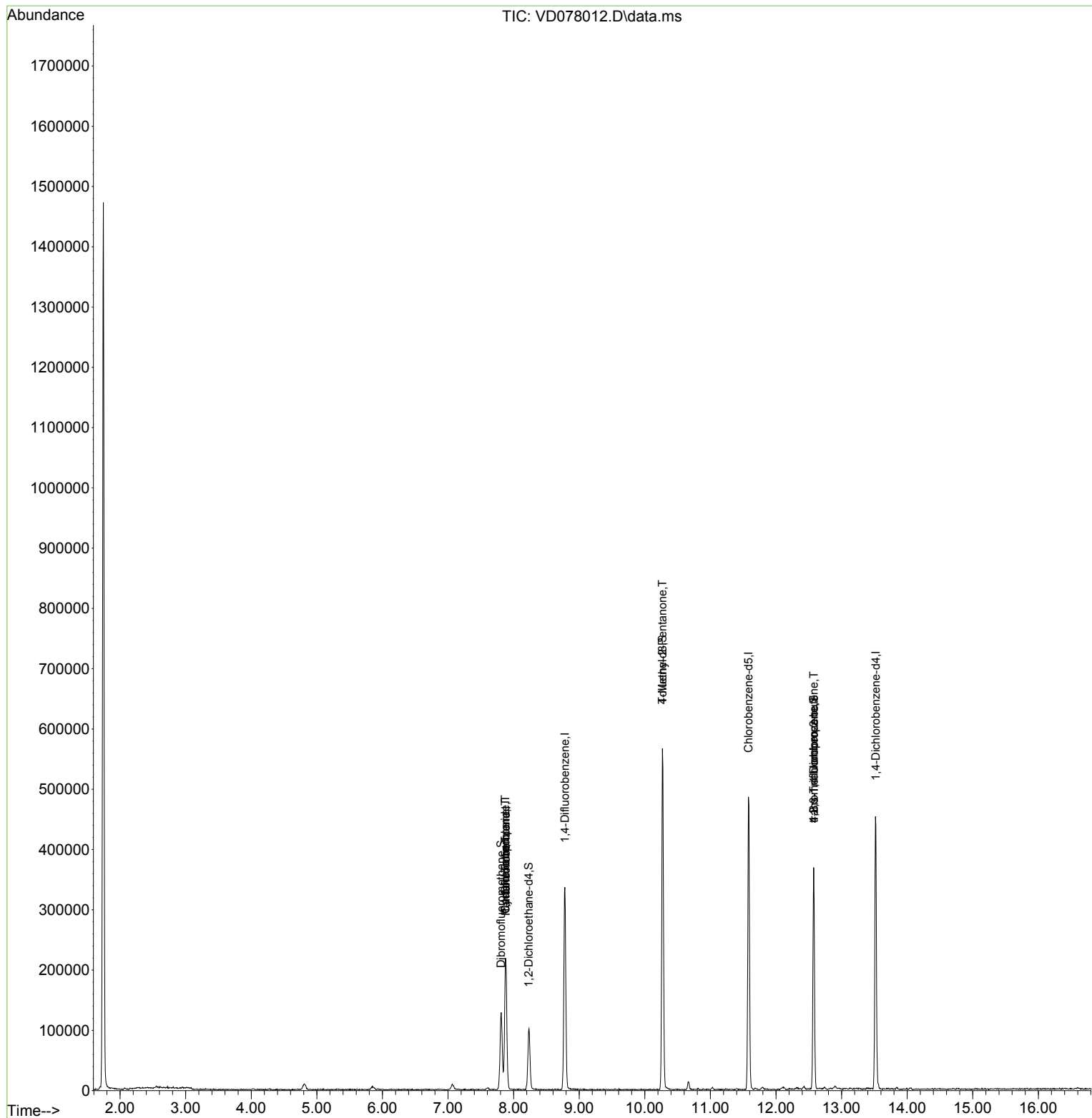
Internal Standards						
1) Pentafluorobenzene	7.881	168	169876	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	305358	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	286514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	120290	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	79541	39.736	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	79.480%
35) Dibromofluoromethane	7.810	113	91907	42.969	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	85.940%
50) Toluene-d8	10.269	98	392626	45.832	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.660%
62) 4-Bromofluorobenzene	12.575	95	107985	42.162	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.320%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.058	59	55	Below Cal	#	73
16) Acetone	4.040	43	1975	Below Cal	#	74
20) Methylene Chloride	4.799	84	7461	Below Cal	#	90
25) 2-Butanone	7.093	43	212	Below Cal	#	37
31) Cyclohexane	7.875	56	3834	1.077	ug/l #	16
36) 1,1-Dichloropropene	7.875	75	14668	4.287	ug/l #	47
38) Carbon Tetrachloride	7.875	117	17291	5.069	ug/l #	14
51) 4-Methyl-2-Pentanone	10.269	43	2149	1.776	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	57886	55.408	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	57886	112.260	ug/l #	18
88) 1,4-Dichlorobenzene	13.534	146	124	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropr...	14.257	75	57	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
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD078012.D

Acq: 21 Dec 2023 00:52

Instrument :

MSVOA_D

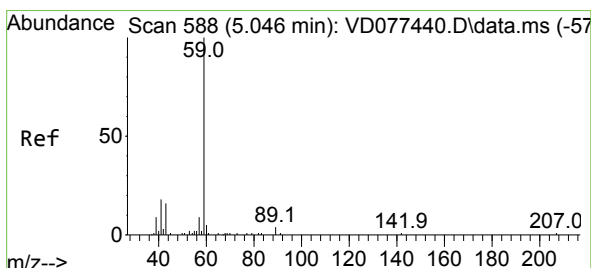
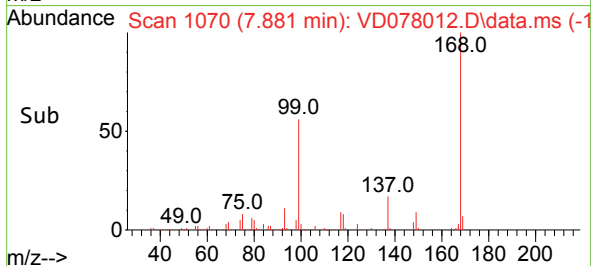
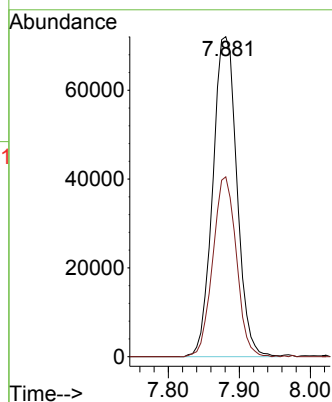
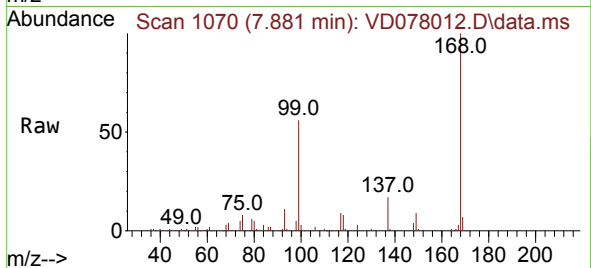
ClientSampleId :

Tgt Ion:168 Resp: 169876

Ion Ratio Lower Upper

168 100

99 56.2 36.7 55.1#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.058 min Scan# 590

Delta R.T. 0.012 min

Lab File: VD078012.D

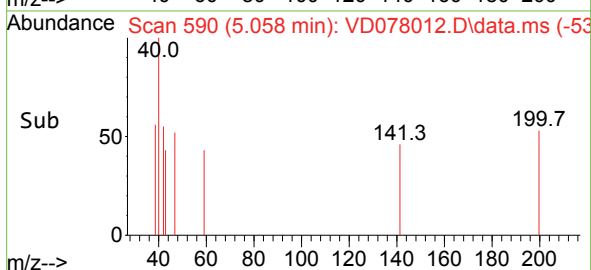
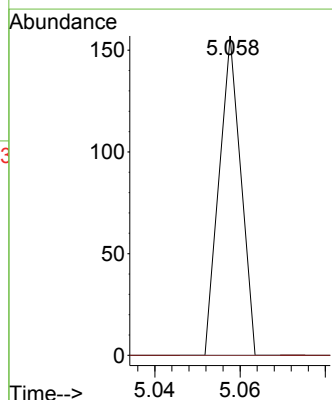
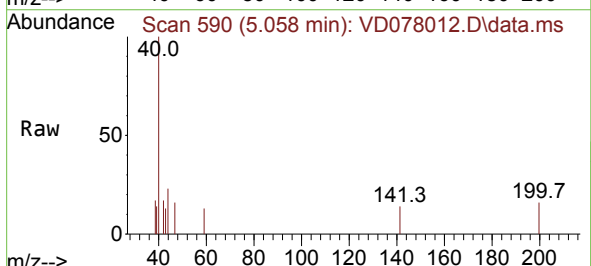
Acq: 21 Dec 2023 00:52

Tgt Ion: 59 Resp: 55

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

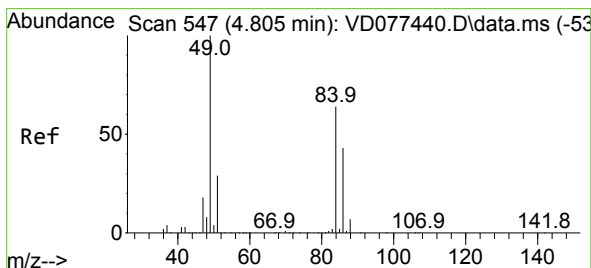
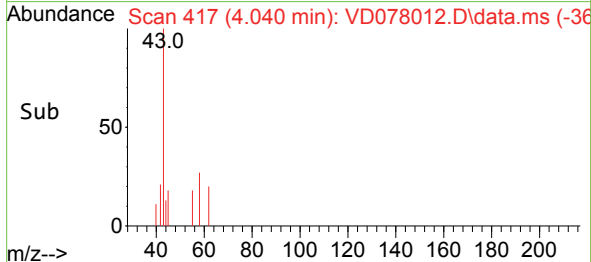
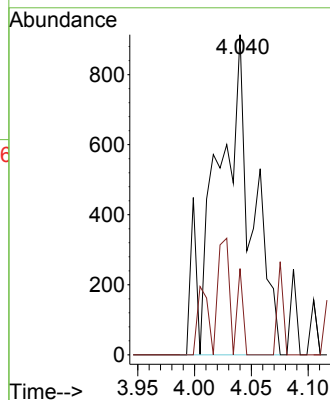
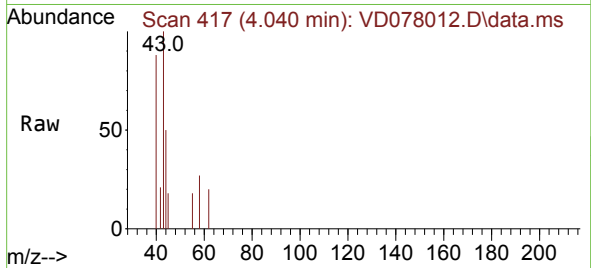




#16
Acetone
Concen: Below Cal
RT: 4.040 min Scan# 414
Delta R.T. 0.018 min
Lab File: VD078012.D
Acq: 21 Dec 2023 00:52

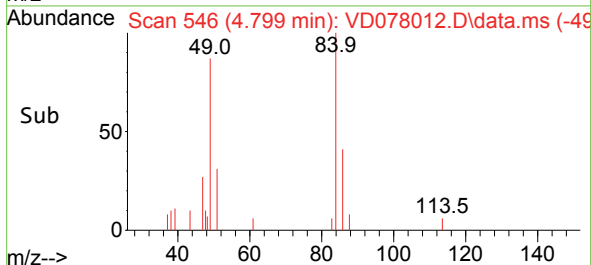
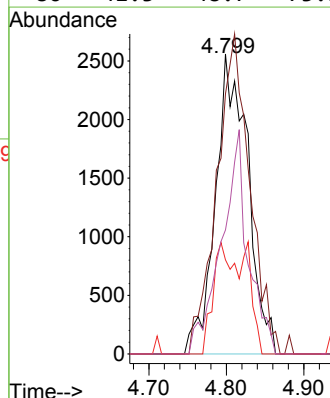
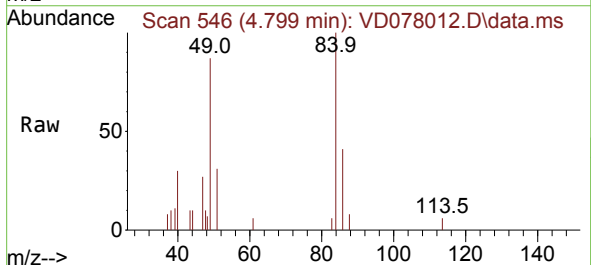
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 1975
Ion Ratio Lower Upper
43 100
58 26.9 34.7 52.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.799 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD078012.D
Acq: 21 Dec 2023 00:52

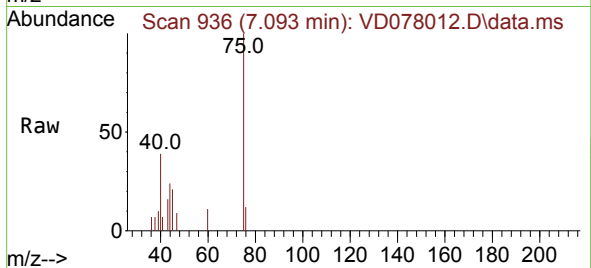
Tgt Ion: 84 Resp: 7461
Ion Ratio Lower Upper
84 100
49 86.8 71.4 107.2
51 31.3 24.5 36.7
86 41.3 48.7 73.1#



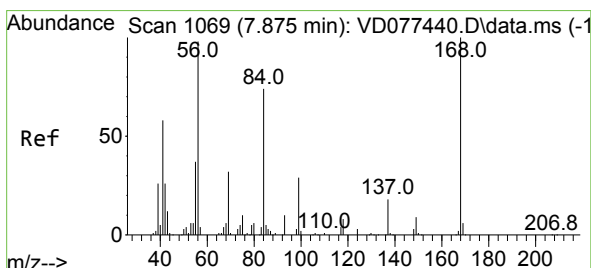
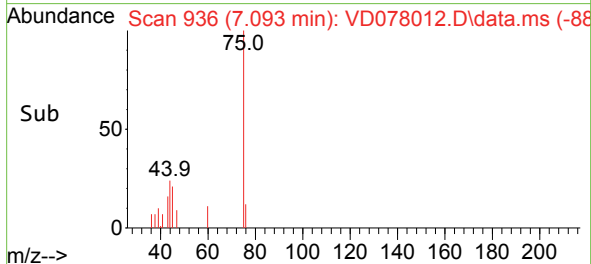
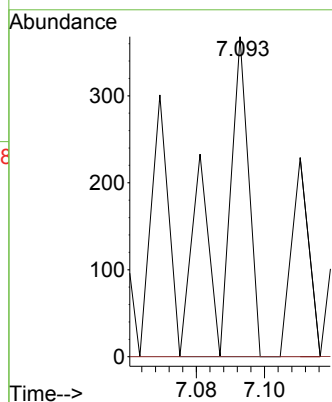


#25
2-Butanone
Concen: Below Cal
RT: 7.093 min Scan# 91
Delta R.T. 0.012 min
Lab File: VD078012.D
Acq: 21 Dec 2023 00:52

Instrument :
MSVOA_D
ClientSampleId :

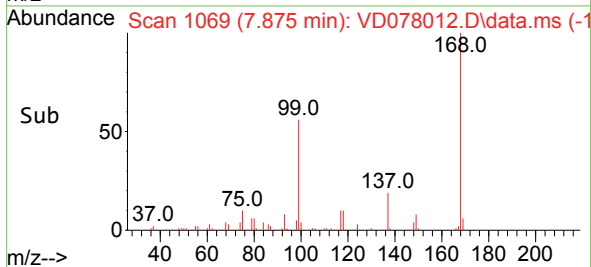
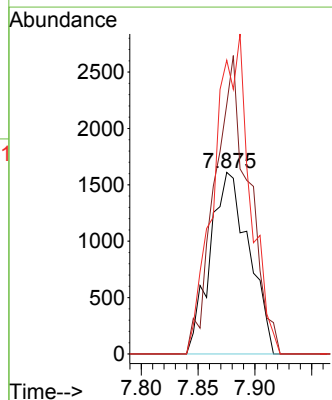
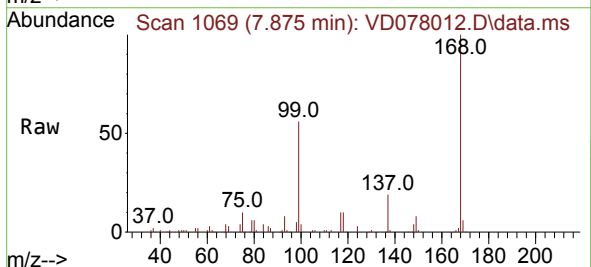


Tgt Ion: 43 Resp: 212
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.077 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD078012.D
Acq: 21 Dec 2023 00:52

Tgt Ion: 56 Resp: 3834
Ion Ratio Lower Upper
56 100
69 137.5 28.6 43.0#
84 161.9 84.8 127.2#

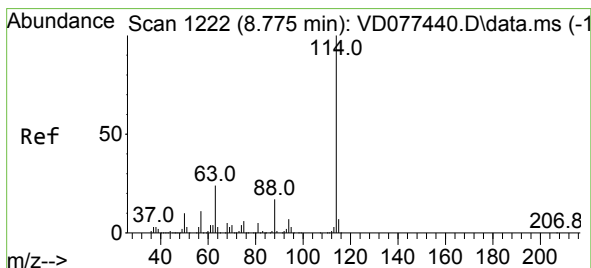
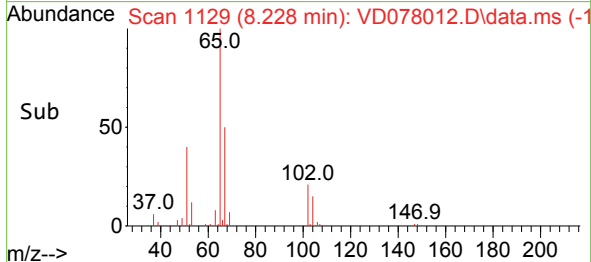
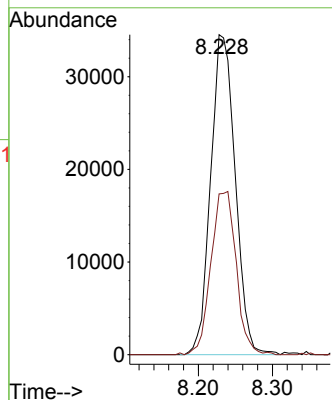
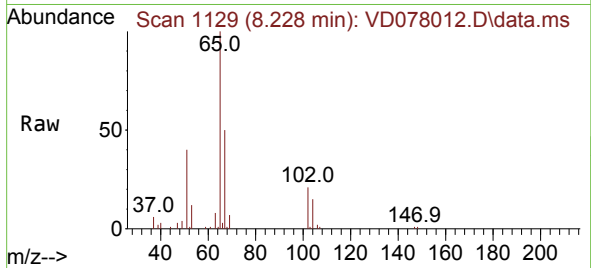




#33
 1,2-Dichloroethane-d4
 Concen: 39.736 ug/l
 RT: 8.228 min Scan# 1129
 Delta R.T. 0.000 min
 Lab File: VD078012.D
 Acq: 21 Dec 2023 00:52

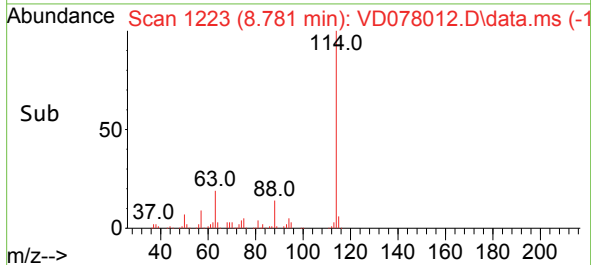
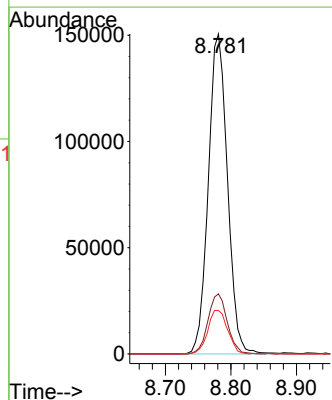
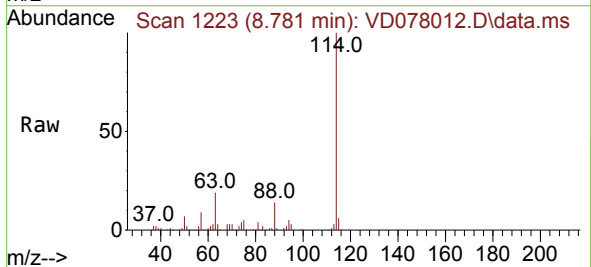
Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion: 65 Resp: 79541
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 115.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.781 min Scan# 1223
 Delta R.T. 0.006 min
 Lab File: VD078012.D
 Acq: 21 Dec 2023 00:52

Tgt Ion: 114 Resp: 305358
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 33.4
 88 13.6 0.0 26.2

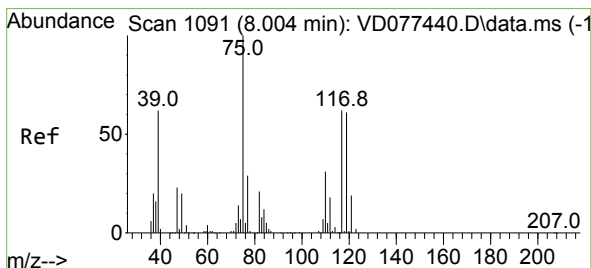
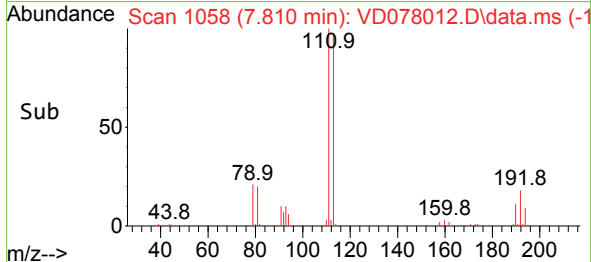
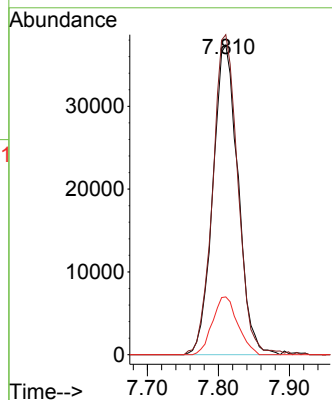
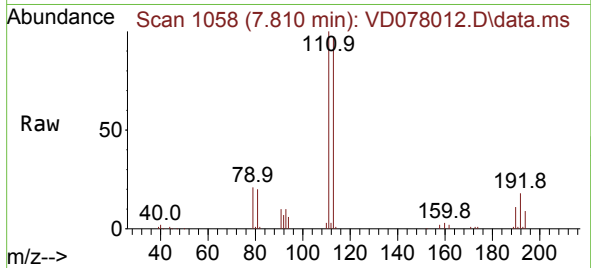




#35
Dibromofluoromethane
Concen: 42.969 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD078012.D
Acq: 21 Dec 2023 00:52

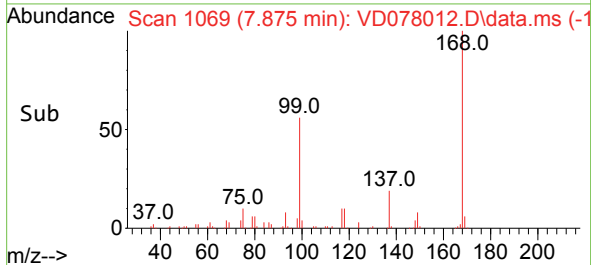
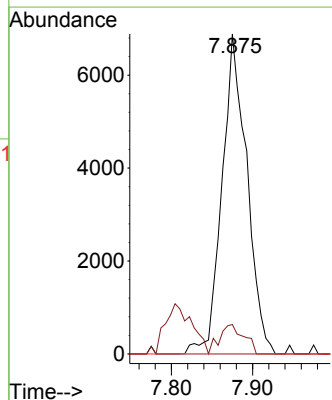
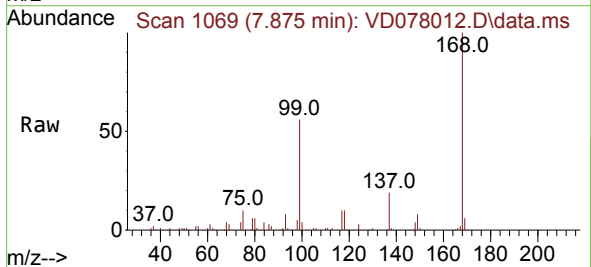
Instrument :
MSVOA_D
ClientSampleId :

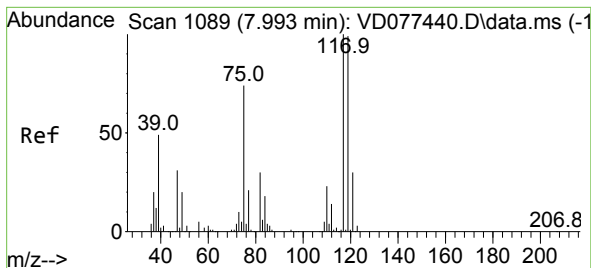
Tgt Ion:113 Resp: 91907
Ion Ratio Lower Upper
113 100
111 103.3 84.7 127.1
192 18.8 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.287 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VD078012.D
Acq: 21 Dec 2023 00:52

Tgt Ion: 75 Resp: 14668
Ion Ratio Lower Upper
75 100
110 9.0 19.9 59.6#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.069 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

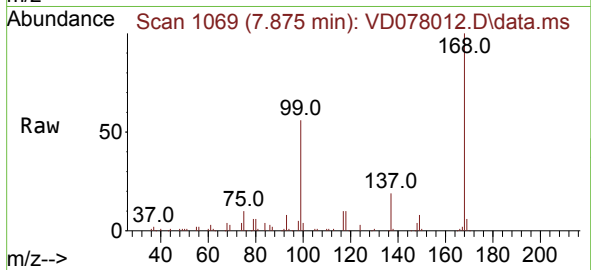
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Acq: 21 Dec 2023 00:52

Instrument :

MSVOA_D

ClientSampleId :



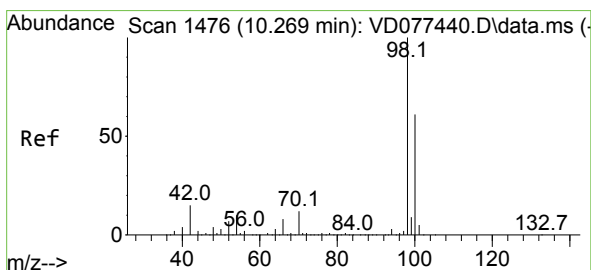
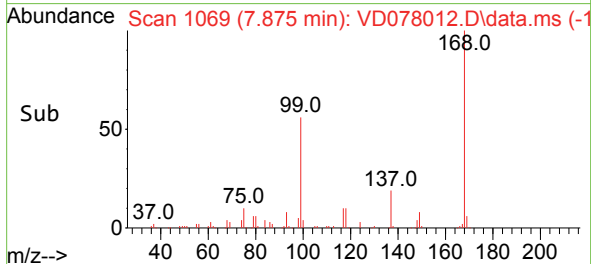
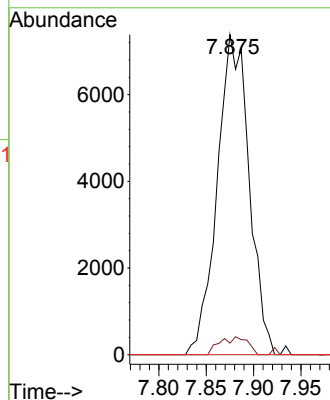
Tgt Ion:117 Resp: 17291

Ion Ratio Lower Upper

117 100

119 3.6 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 45.832 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078012.D

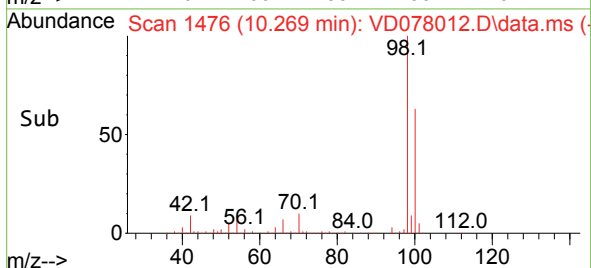
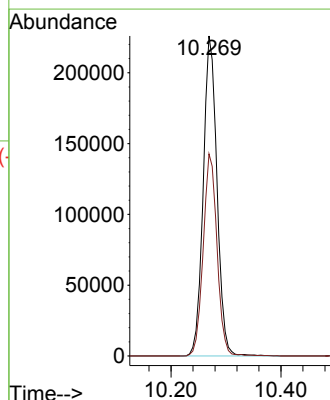
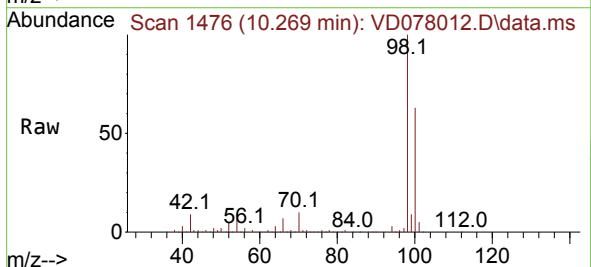
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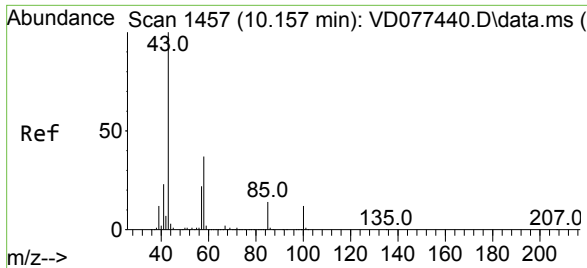
Tgt Ion: 98 Resp: 392626

Ion Ratio Lower Upper

98 100

100 63.5 50.3 75.5

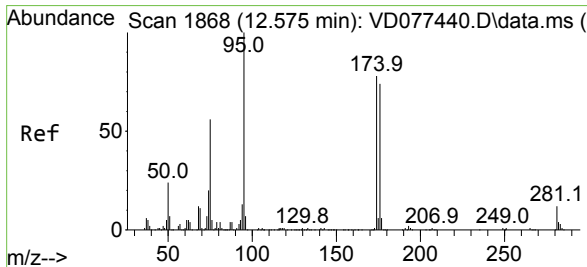
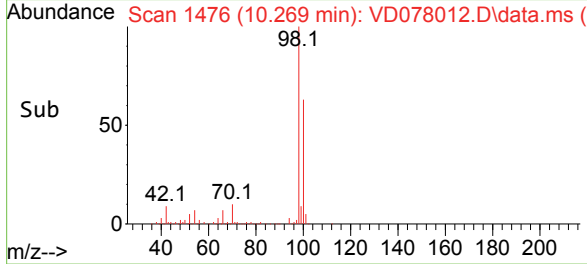
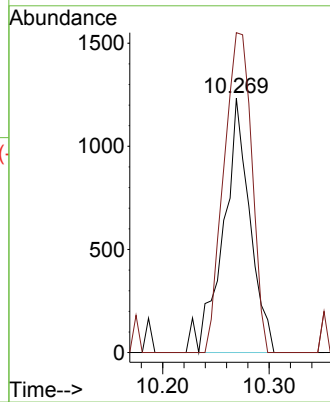
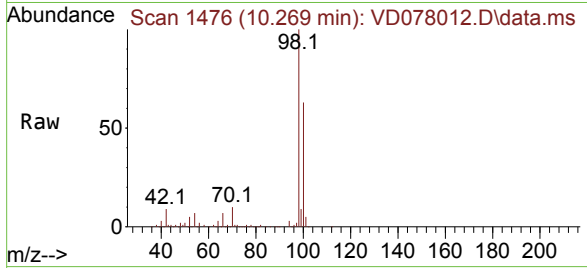




#51
4-Methyl-2-Pentanone
Concen: 1.776 ug/l
RT: 10.269 min Scan# 1457
Delta R.T. 0.112 min
Lab File: VD078012.D
Acq: 21 Dec 2023 00:52

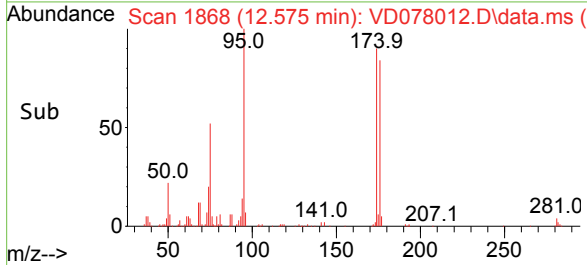
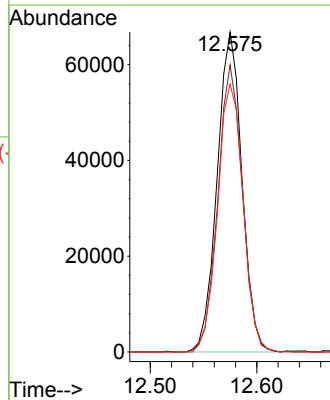
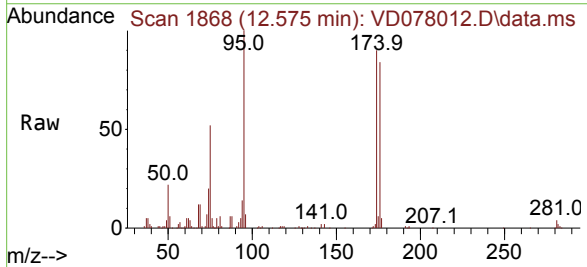
Instrument :
MSVOA_D
ClientSampleId :

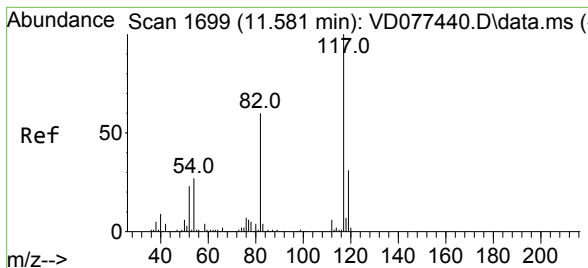
Tgt Ion: 43 Resp: 2149
Ion Ratio Lower Upper
43 100
58 131.7 38.9 58.3#



#62
4-Bromofluorobenzene
Concen: 42.162 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078012.D
Acq: 21 Dec 2023 00:52

Tgt Ion: 95 Resp: 107985
Ion Ratio Lower Upper
95 100
174 88.8 0.0 201.8
176 86.2 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD078012.D

Acq: 21 Dec 2023 00:52

Instrument :

MSVOA_D

ClientSampleId :

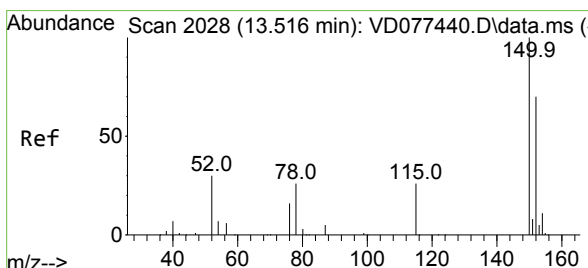
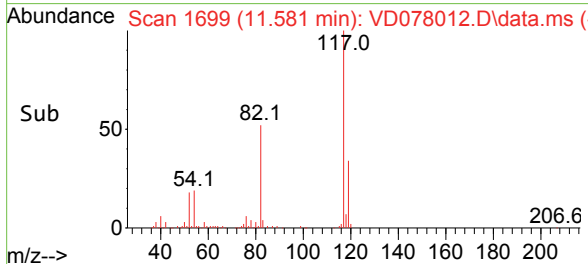
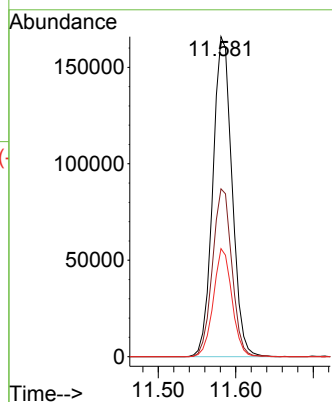
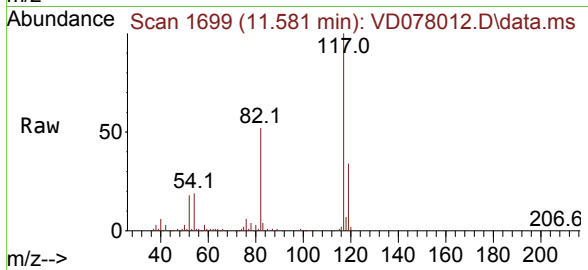
Tgt Ion:117 Resp: 286514

Ion Ratio Lower Upper

117 100

82 52.4 38.3 57.5

119 33.7 25.0 37.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 2029

Delta R.T. 0.006 min

Lab File: VD078012.D

Acq: 21 Dec 2023 00:52

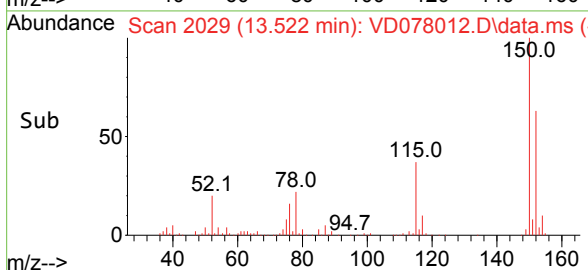
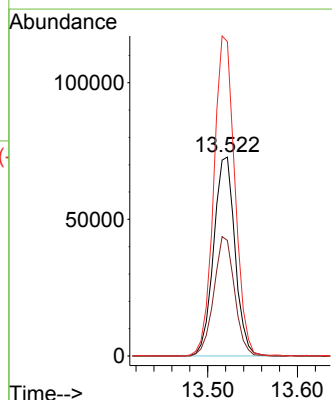
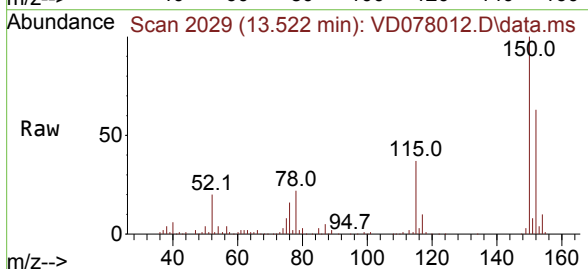
Tgt Ion:152 Resp: 120290

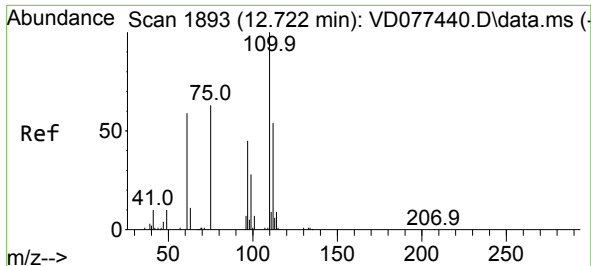
Ion Ratio Lower Upper

152 100

115 58.3 27.1 81.3

150 158.7 0.0 353.6

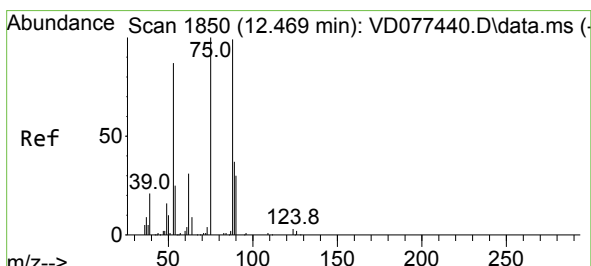
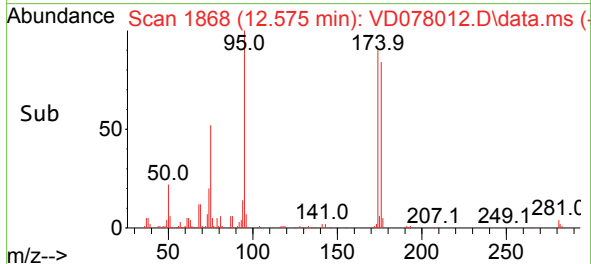
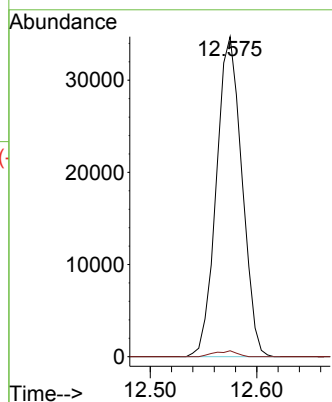
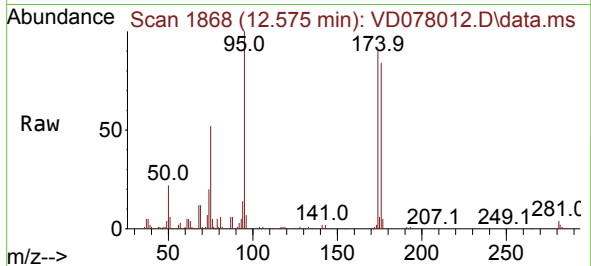




#76
1,2,3-Trichloropropane
Concen: 55.408 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD078012.D
Acq: 21 Dec 2023 00:52

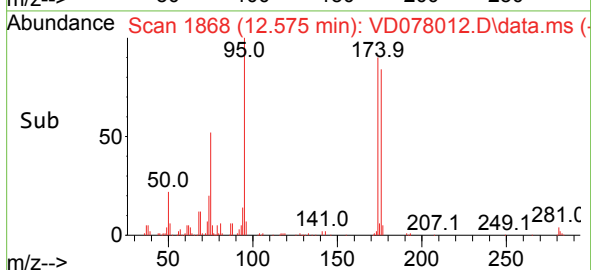
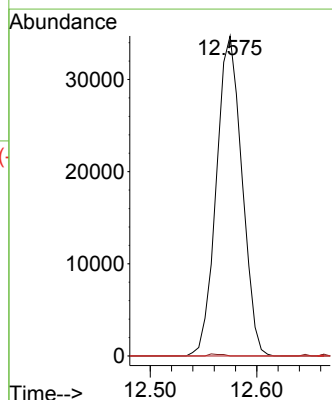
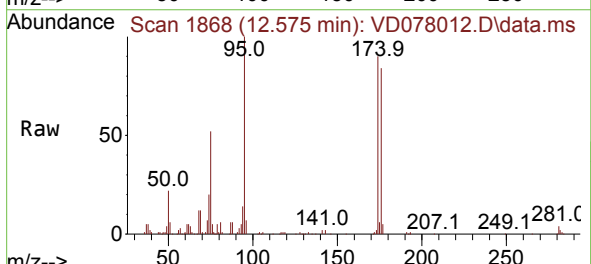
Instrument :
MSVOA_D
ClientSampleId :

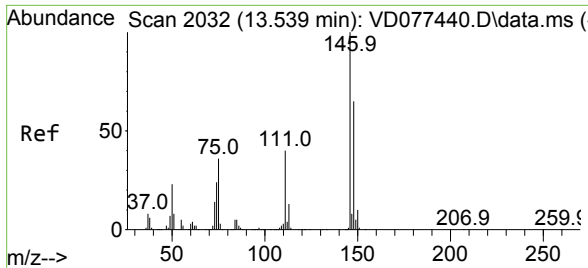
Tgt Ion: 75 Resp: 57886
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 112.260 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078012.D
Acq: 21 Dec 2023 00:52

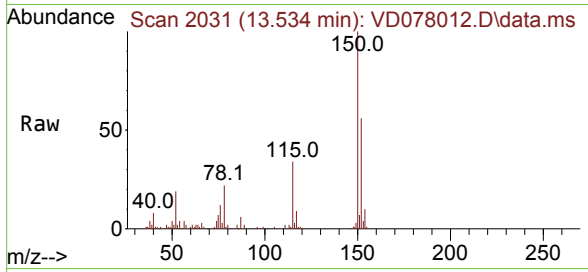
Tgt Ion: 75 Resp: 57886
Ion Ratio Lower Upper
75 100
53 0.3 63.0 94.4#
89 0.0 37.9 56.9#





#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.534 min Scan# 2031
 Delta R.T. -0.005 min
 Lab File: VD078012.D
 Acq: 21 Dec 2023 00:52

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	146	Resp:	124
Ion	Ratio	Lower	Upper
146	100		
111	1587.1	17.4	52.3#
148	637.9	31.7	95.1#

