

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122223\
 Data File : VD078066.D
 Acq On : 22 Dec 2023 16:13
 Operator : RP/MD
 Sample : 05879-04
 Misc : 4.70G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 23 03:38:21 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)

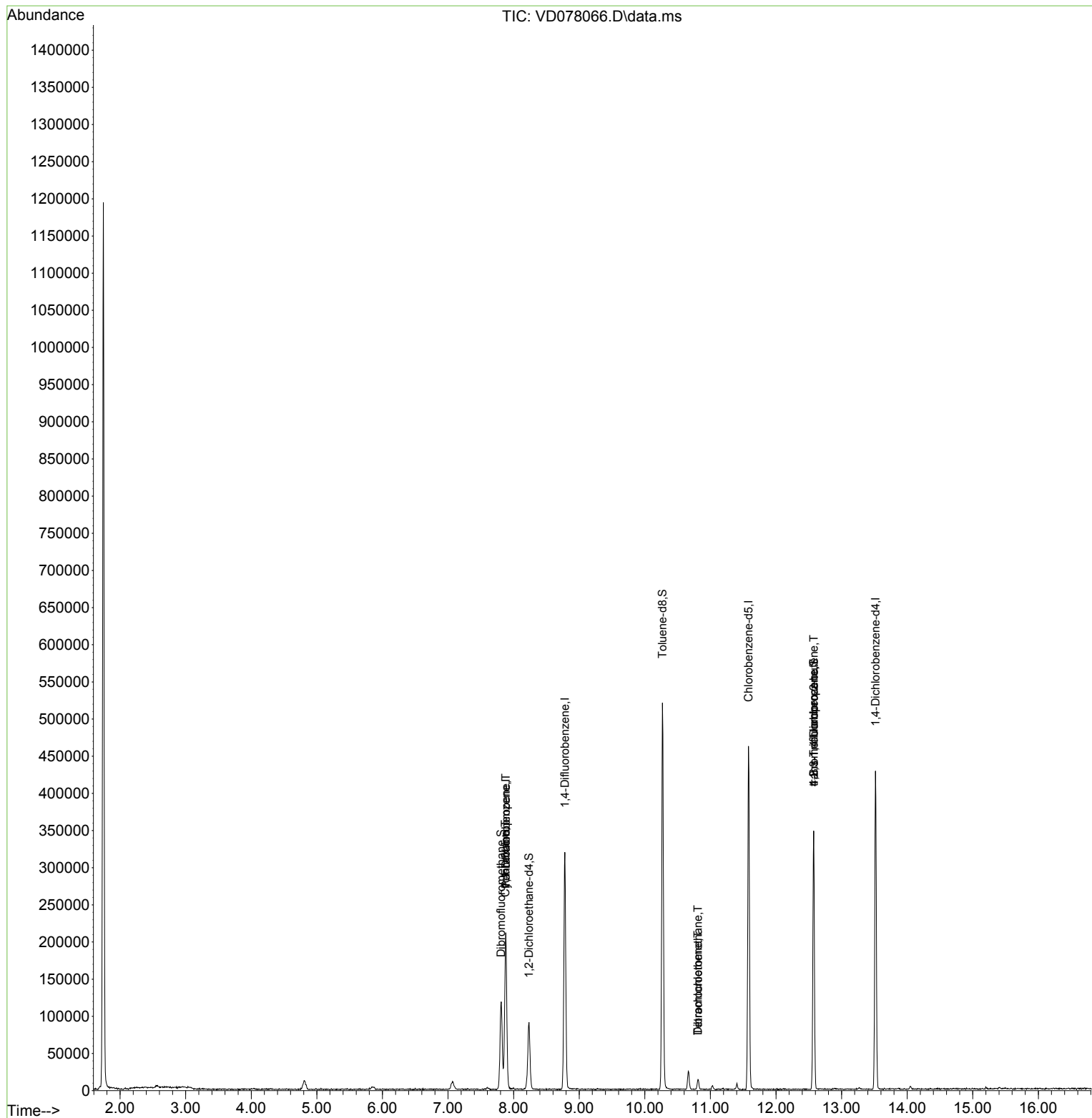
Internal Standards						
1) Pentafluorobenzene	7.881	168	161974	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	282040	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	271637	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	115283	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	69297	36.307	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	72.620%		
35) Dibromofluoromethane	7.811	113	84842	42.945	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	85.900%		
50) Toluene-d8	10.269	98	360419	45.550	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	91.100%		
62) 4-Bromofluorobenzene	12.575	95	98347	41.573	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	83.140%		
Target Compounds						
11) Tert butyl alcohol	5.093	59	265	Below Cal	#	73
16) Acetone	4.034	43	1687	Below Cal	#	70
20) Methylene Chloride	4.811	84	8936	Below Cal	#	81
25) 2-Butanone	7.099	43	197	Below Cal	#	37
31) Cyclohexane	7.875	56	3925	1.156	ug/l #	54
36) 1,1-Dichloropropene	7.881	75	12901	4.083	ug/l #	48
60) Dibromochloromethane	10.810	129	2435	1.282	ug/l #	12
64) Tetrachloroethene	10.810	164	3065	1.535	ug/l #	80
76) 1,2,3-Trichloropropane	12.575	75	52109	52.045	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	52109	105.446	ug/l #	17
88) 1,4-Dichlorobenzene	13.504	146	93	Below Cal	#	26

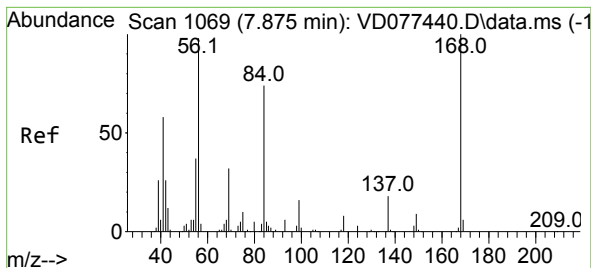
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD078066.D

Acq: 22 Dec 2023 16:13

Instrument :

MSVOA_D

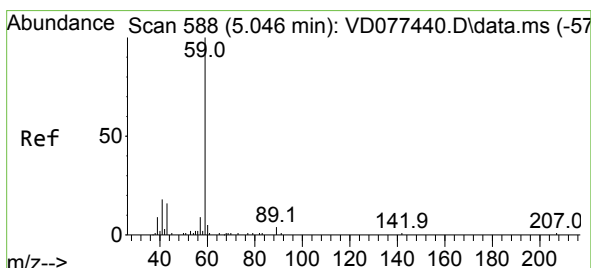
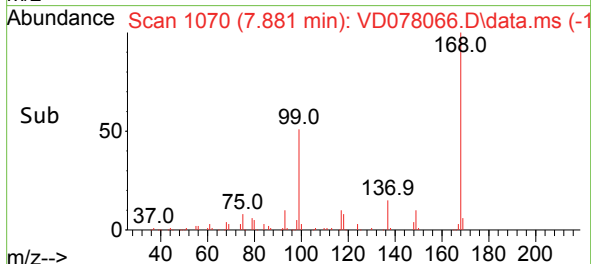
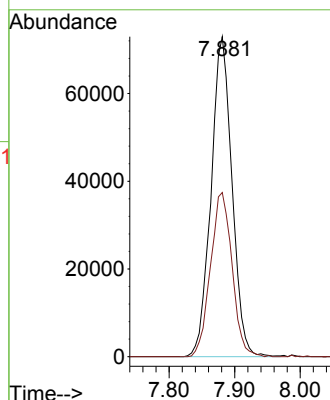
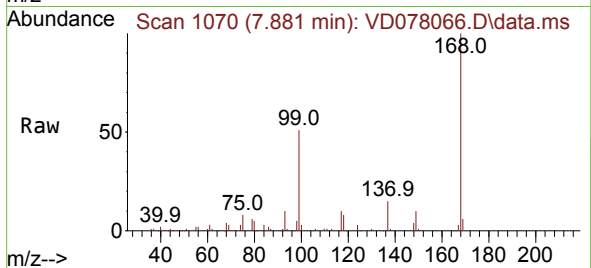
ClientSampleId :

Tgt Ion:168 Resp: 161974

Ion Ratio Lower Upper

168 100

99 51.3 36.7 55.1



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.093 min Scan# 596

Delta R.T. 0.047 min

Lab File: VD078066.D

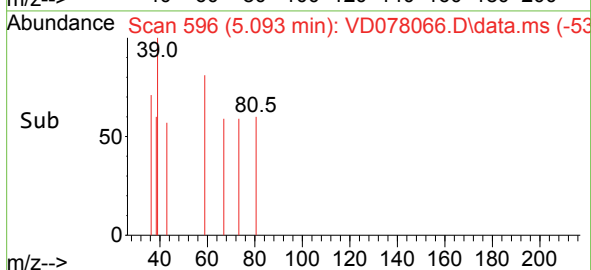
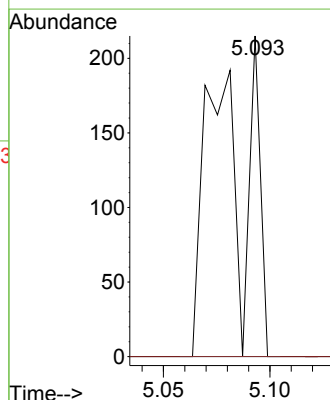
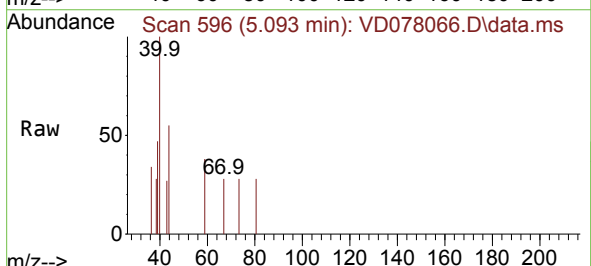
Acq: 22 Dec 2023 16:13

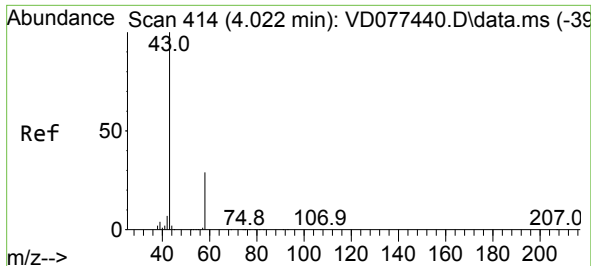
Tgt Ion: 59 Resp: 265

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

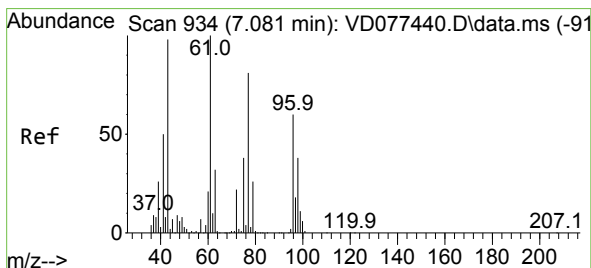
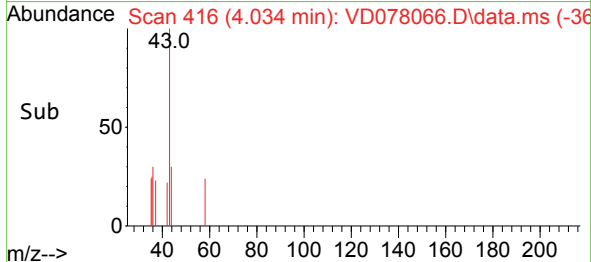
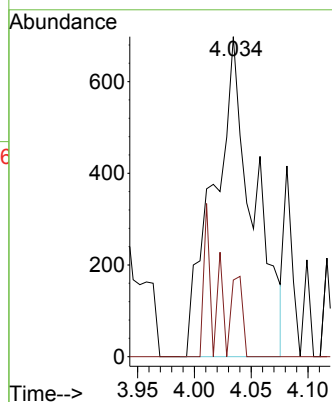
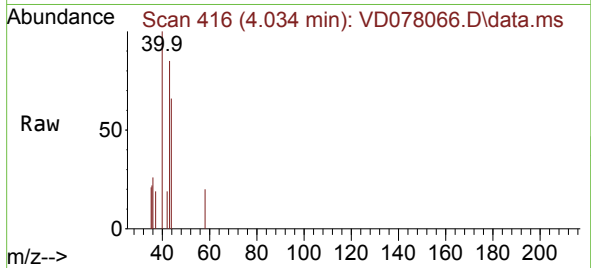




#16
Acetone
Concen: Below Cal
RT: 4.034 min Scan# 414
Delta R.T. 0.012 min
Lab File: VD078066.D
Acq: 22 Dec 2023 16:13

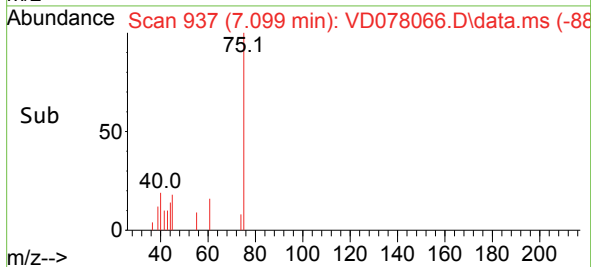
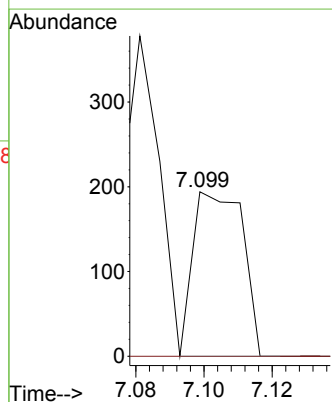
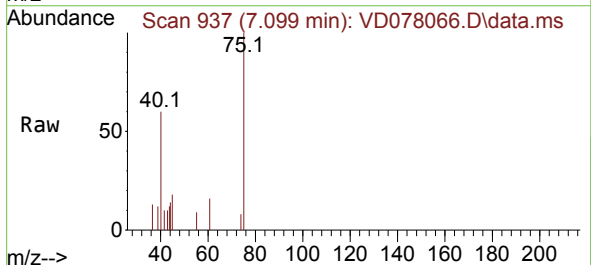
Instrument :
MSVOA_D
ClientSampleId :

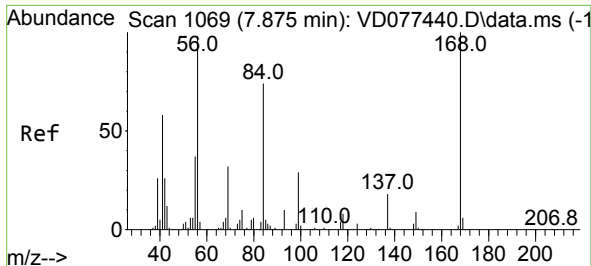
Tgt Ion: 43 Resp: 1687
Ion Ratio Lower Upper
43 100
58 23.9 34.7 52.1#



#25
2-Butanone
Concen: Below Cal
RT: 7.099 min Scan# 937
Delta R.T. 0.018 min
Lab File: VD078066.D
Acq: 22 Dec 2023 16:13

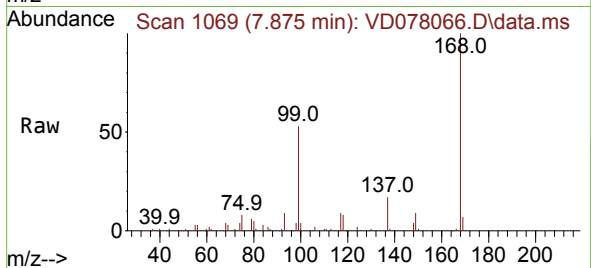
Tgt Ion: 43 Resp: 197
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



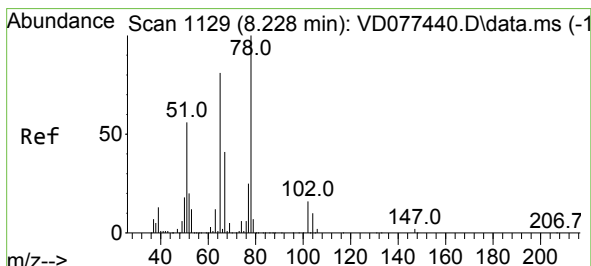
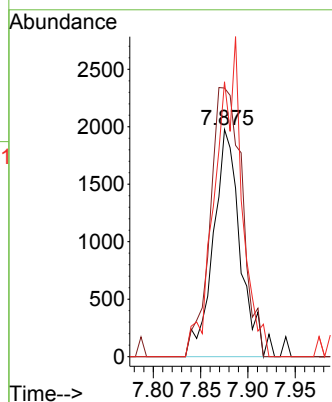
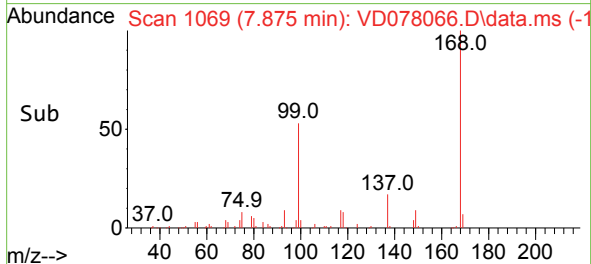


#31
Cyclohexane
Concen: 1.156 ug/l
RT: 7.875 min Scan# 1106
Delta R.T. 0.000 min
Lab File: VD078066.D
Acq: 22 Dec 2023 16:13

Instrument :
MSVOA_D
ClientSampleId :

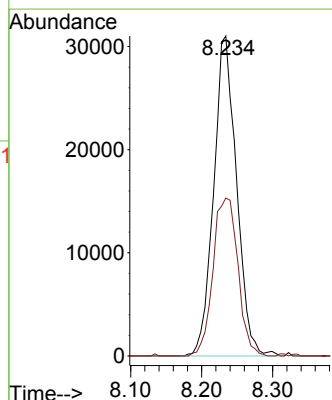
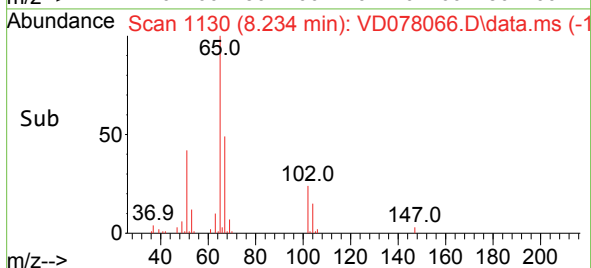
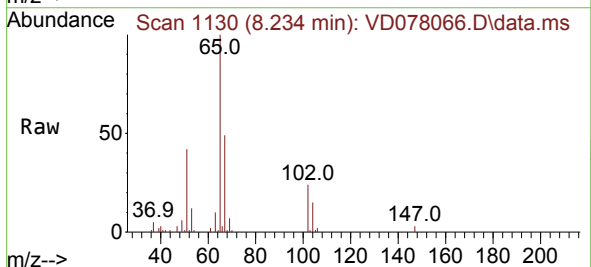


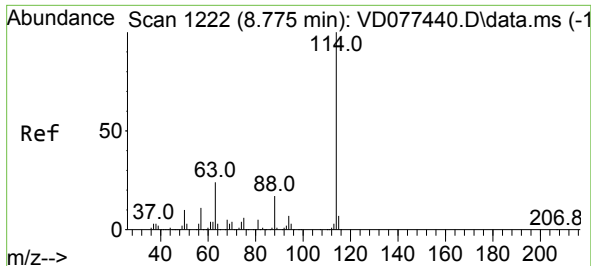
Tgt Ion: 56 Resp: 3925
Ion Ratio Lower Upper
56 100
69 118.3 28.6 43.0#
84 121.1 84.8 127.2



#33
1,2-Dichloroethane-d4
Concen: 36.307 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD078066.D
Acq: 22 Dec 2023 16:13

Tgt Ion: 65 Resp: 69297
Ion Ratio Lower Upper
65 100
67 53.8 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: VD078066.D

Acq: 22 Dec 2023 16:13

Instrument :

MSVOA_D

ClientSampleId :

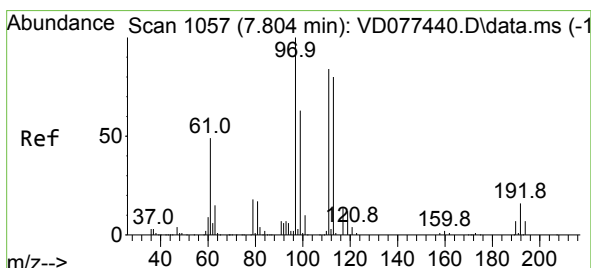
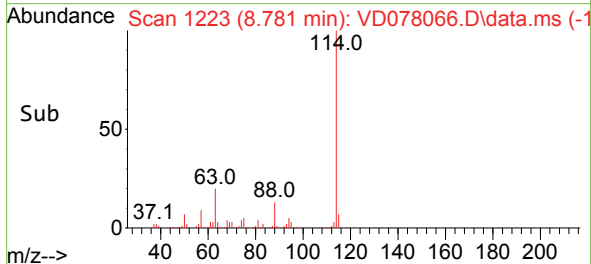
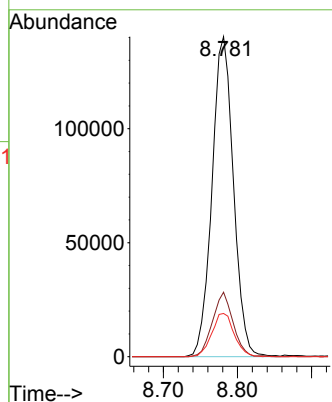
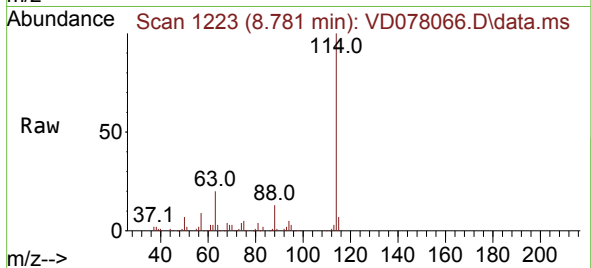
Tgt Ion:114 Resp: 282040

Ion Ratio Lower Upper

114 100

63 20.2 0.0 33.4

88 13.5 0.0 26.2



#35

Dibromofluoromethane

Concen: 42.945 ug/l

RT: 7.811 min Scan# 1058

Delta R.T. 0.007 min

Lab File: VD078066.D

Acq: 22 Dec 2023 16:13

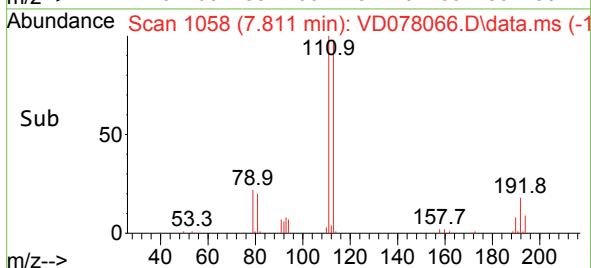
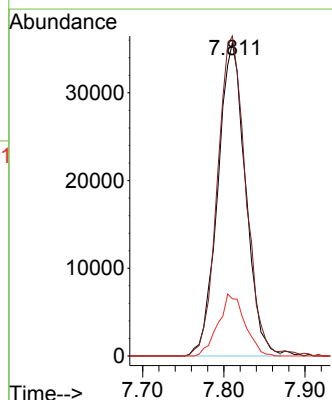
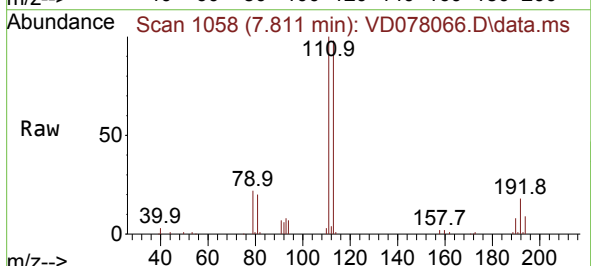
Tgt Ion:113 Resp: 84842

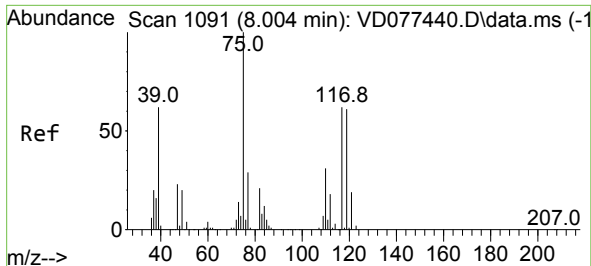
Ion Ratio Lower Upper

113 100

111 104.6 84.7 127.1

192 18.9 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.083 ug/l

RT: 7.881 min Scan# 1091

Delta R.T. -0.123 min

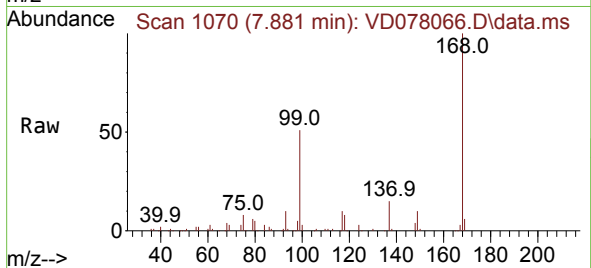
Lab File: VD078066.D

Acq: 22 Dec 2023 16:13

Instrument :

MSVOA_D

ClientSampleId :



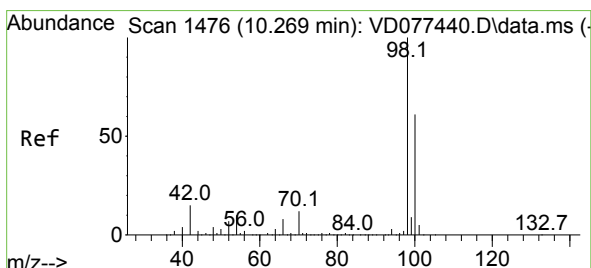
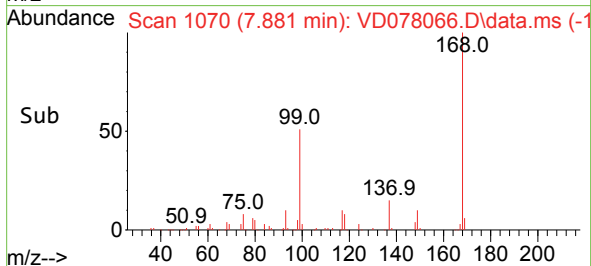
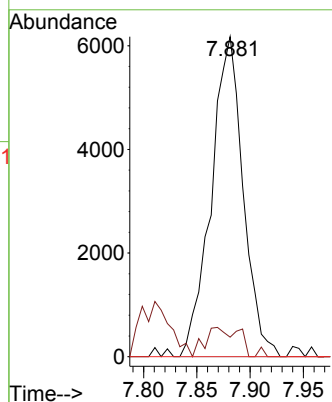
Tgt Ion: 75 Resp: 12901

Ion Ratio Lower Upper

75 100

110 9.5 19.9 59.6#

77 0.0 24.7 37.1#



#50

Toluene-d8

Concen: 45.550 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078066.D

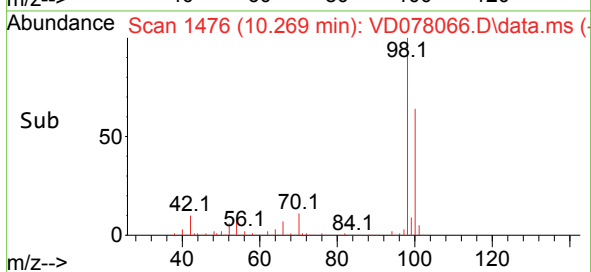
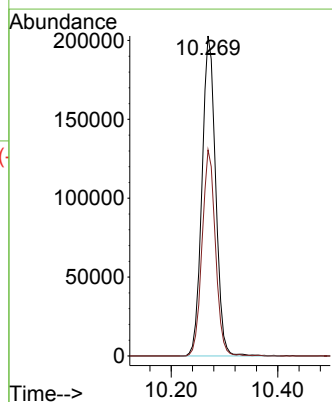
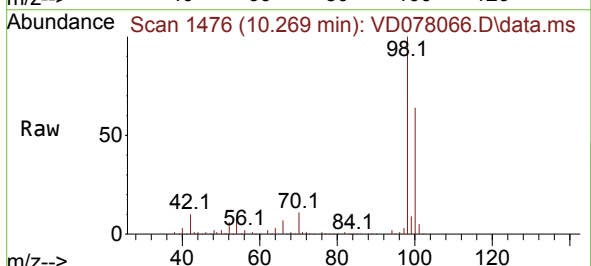
Acq: 22 Dec 2023 16:13

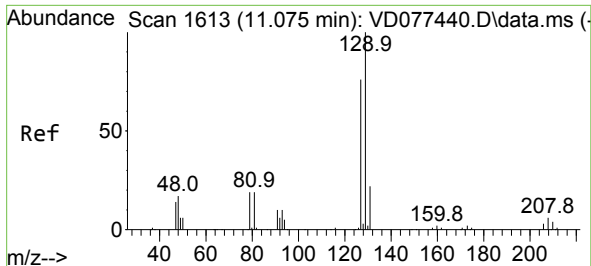
Tgt Ion: 98 Resp: 360419

Ion Ratio Lower Upper

98 100

100 63.0 50.3 75.5

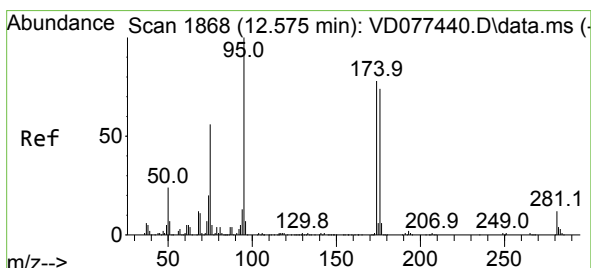
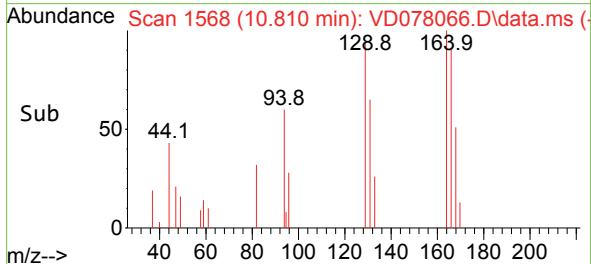
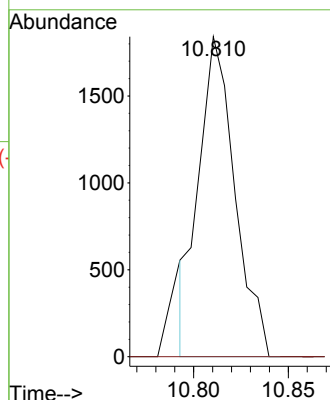
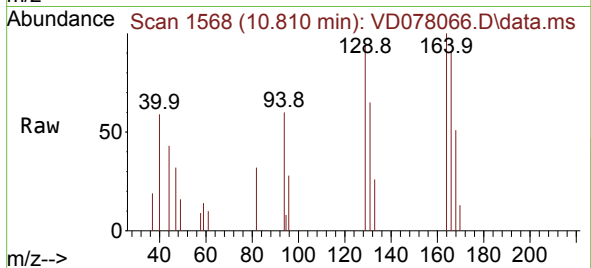




#60
Dibromochloromethane
Concen: 1.282 ug/l
RT: 10.810 min Scan# 1568
Delta R.T. -0.265 min
Lab File: VD078066.D
Acq: 22 Dec 2023 16:13

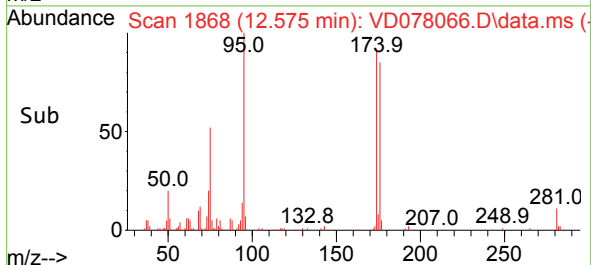
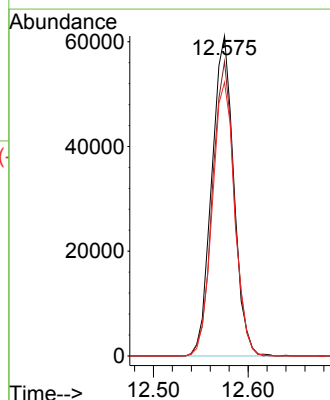
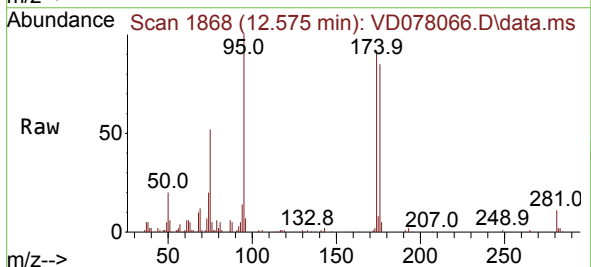
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ClientSampleId :

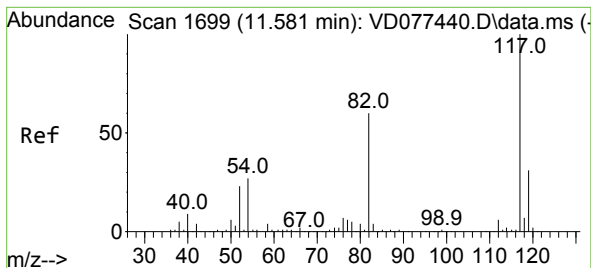
Tgt Ion:129 Resp: 2435
Ion Ratio Lower Upper
129 100
127 0.0 37.1 111.5#



#62
4-Bromofluorobenzene
Concen: 41.573 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078066.D
Acq: 22 Dec 2023 16:13

Tgt Ion: 95 Resp: 98347
Ion Ratio Lower Upper
95 100
174 91.2 0.0 201.8
176 87.3 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: VD078066.D

Acq: 22 Dec 2023 16:13

Instrument :

MSVOA_D

ClientSampleId :

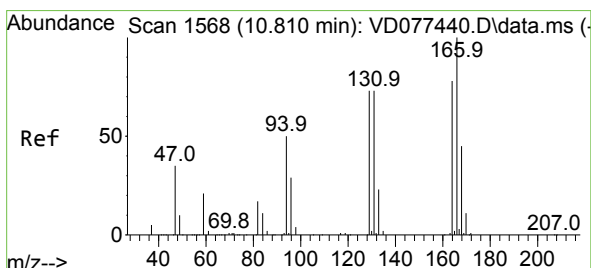
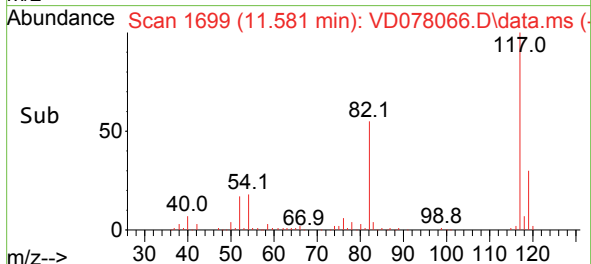
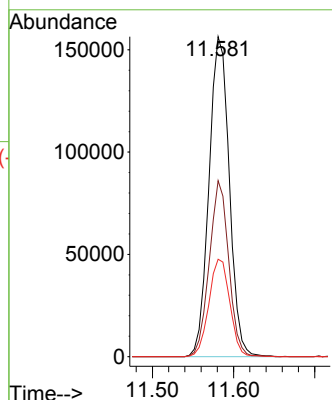
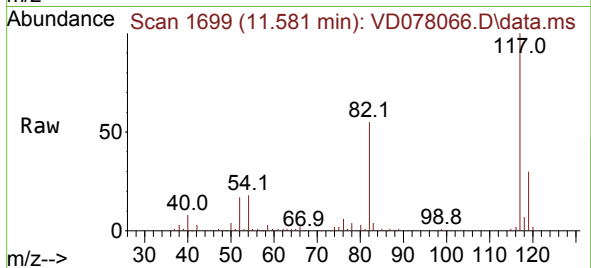
Tgt Ion:117 Resp: 271637

Ion Ratio Lower Upper

117 100

82 55.0 38.3 57.5

119 30.5 25.0 37.4



#64

Tetrachloroethene

Concen: 1.535 ug/l

RT: 10.810 min Scan# 1568

Delta R.T. 0.000 min

Lab File: VD078066.D

Acq: 22 Dec 2023 16:13

Tgt Ion:164 Resp: 3065

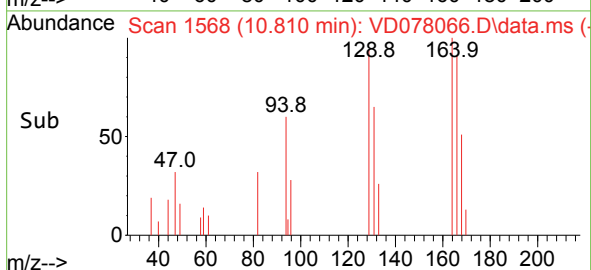
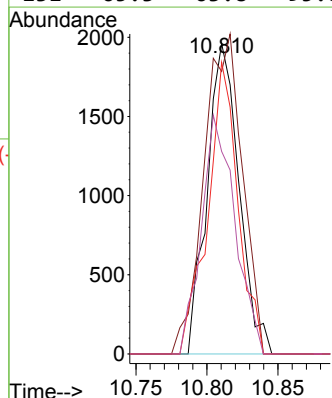
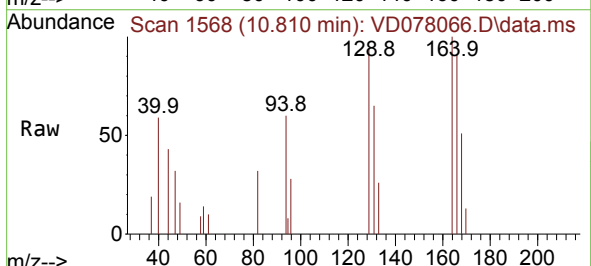
Ion Ratio Lower Upper

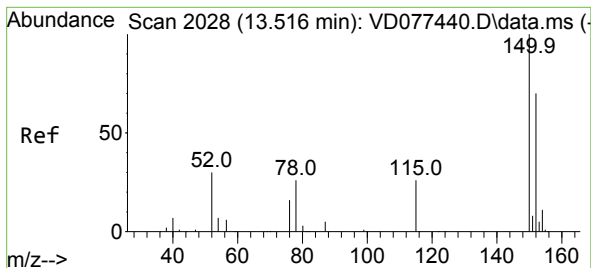
164 100

166 91.1 99.2 148.8#

129 93.9 68.4 102.6

131 65.3 63.8 95.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. 0.000 min

Lab File: VD078066.D

Acq: 22 Dec 2023 16:13

Instrument :

MSVOA_D

ClientSampleId :

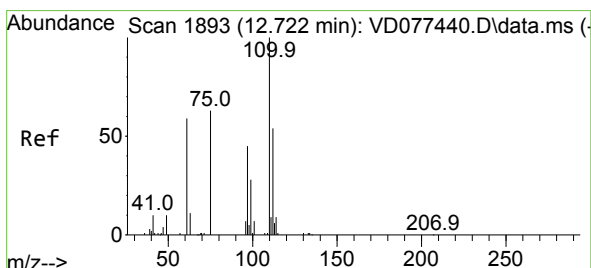
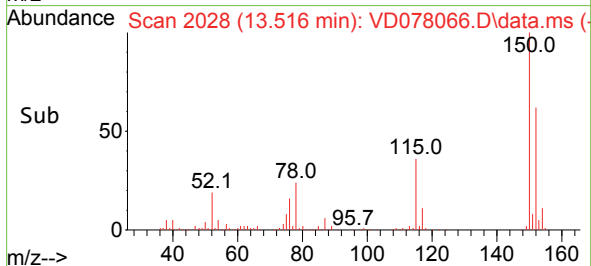
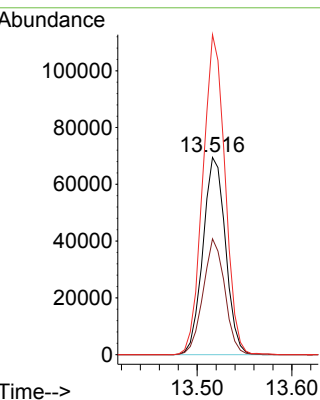
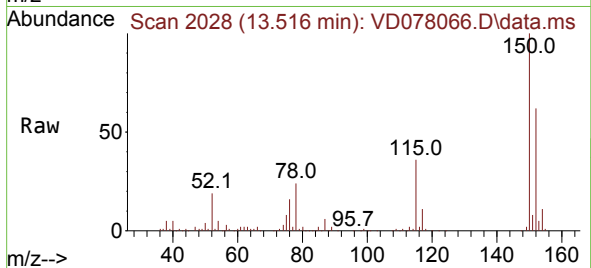
Tgt Ion:152 Resp: 115283

Ion Ratio Lower Upper

152 100

115 56.7 27.1 81.3

150 159.5 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 52.045 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD078066.D

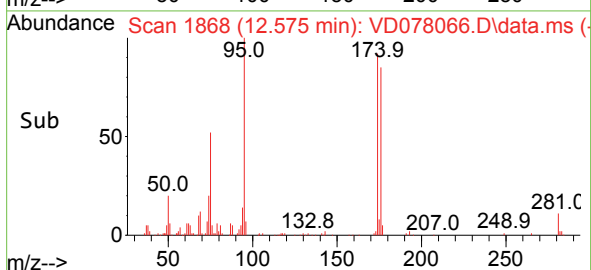
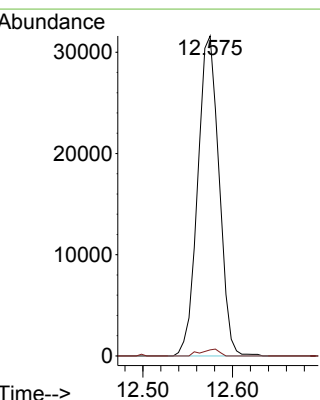
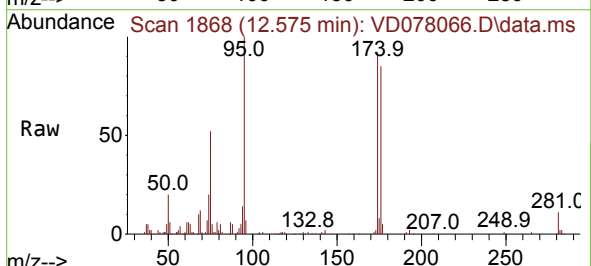
Acq: 22 Dec 2023 16:13

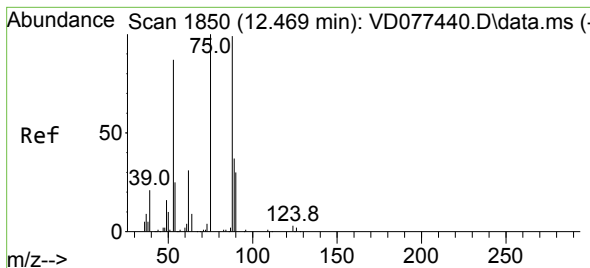
Tgt Ion: 75 Resp: 52109

Ion Ratio Lower Upper

75 100

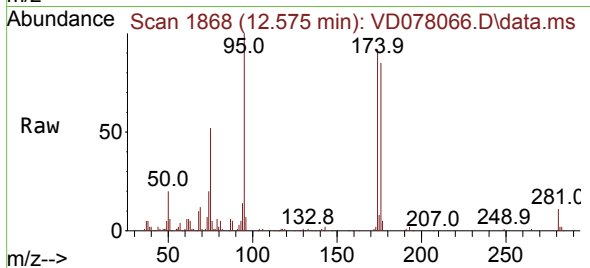
77 1.8 0.0 0.0#



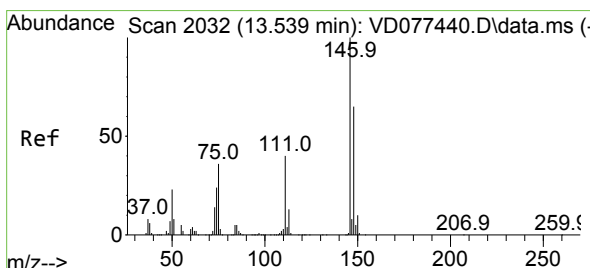
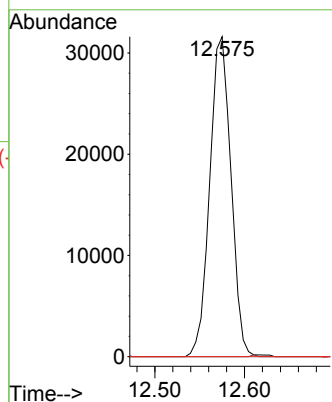
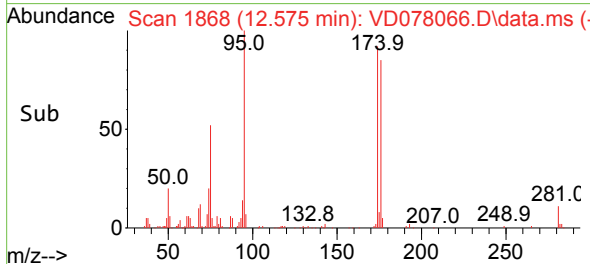


#81
trans-1,4-Dichloro-2-butene
Concen: 105.446 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078066.D
Acq: 22 Dec 2023 16:13

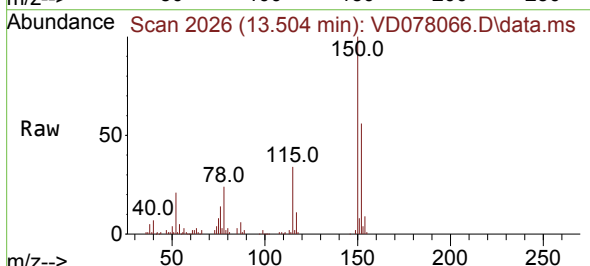
Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 52109
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.504 min Scan# 2026
Delta R.T. -0.035 min
Lab File: VD078066.D
Acq: 22 Dec 2023 16:13



Tgt Ion: 146 Resp: 93
Ion Ratio Lower Upper
146 100
111 0.0 17.4 52.3#
148 0.0 31.7 95.1#

