

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122023\
 Data File : VD078016.D
 Acq On : 21 Dec 2023 02:40
 Operator : RP/MD
 Sample : 05876-06
 Misc : 4.36G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 21 05:34:43 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)

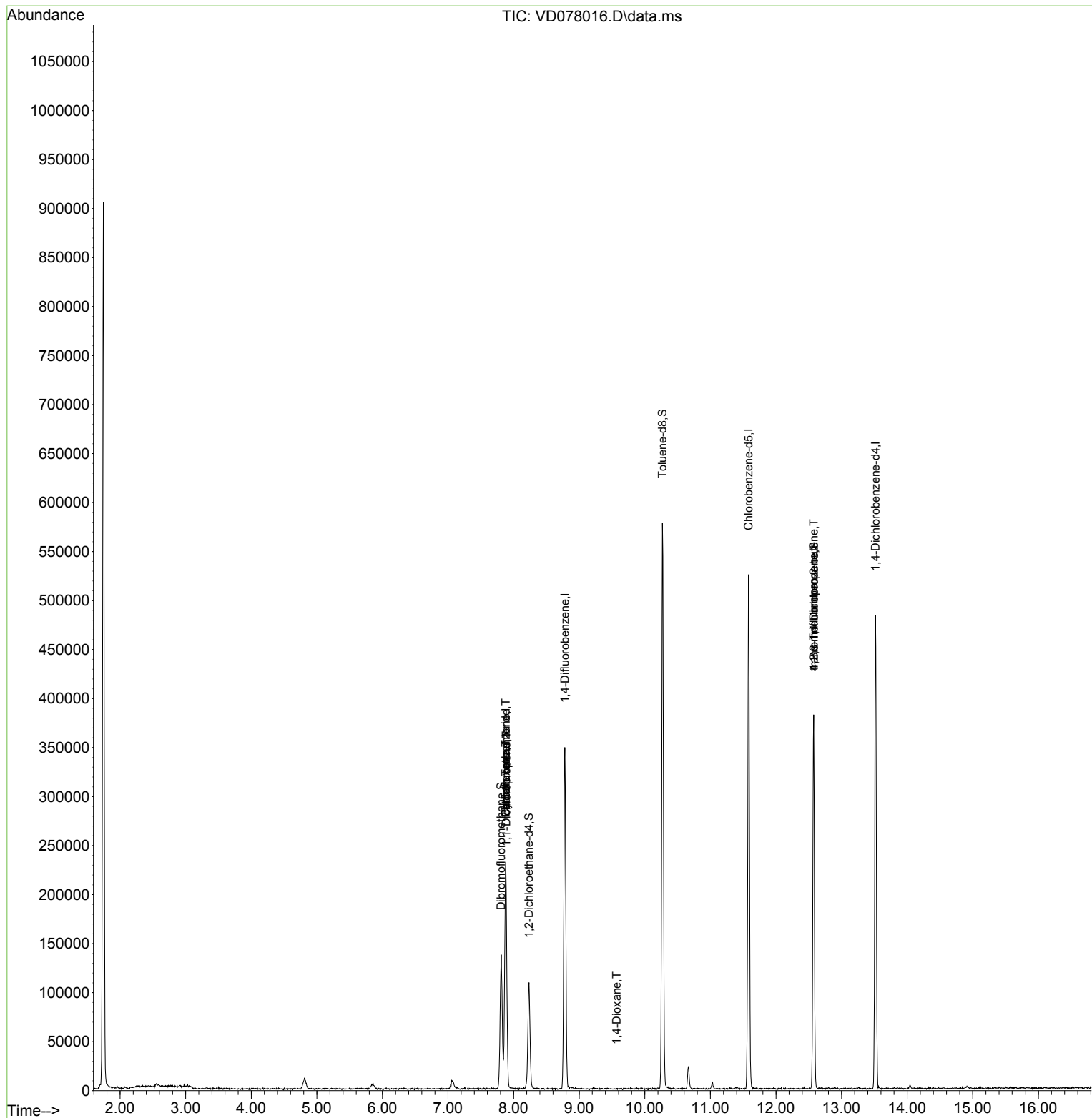
Internal Standards						
1) Pentafluorobenzene	7.881	168	174345	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	309843	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	297677	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	129608	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	83203	40.500	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	81.000%
35) Dibromofluoromethane	7.810	113	92479	42.610	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	85.220%
50) Toluene-d8	10.269	98	402381	46.290	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.580%
62) 4-Bromofluorobenzene	12.575	95	113826	43.799	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	87.600%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.969	59	65	Below Cal	#	73
16) Acetone	4.011	43	54	Below Cal	#	32
20) Methylene Chloride	4.811	84	8460	Below Cal		92
25) 2-Butanone	7.099	43	246	Below Cal	#	37
31) Cyclohexane	7.881	56	4090	1.119	ug/l #	1
36) 1,1-Dichloropropene	7.887	75	14034	4.043	ug/l #	49
38) Carbon Tetrachloride	7.881	117	17902	5.173	ug/l #	15
49) 1,4-Dioxane	9.569	88	54	4.291	ug/l #	27
76) 1,2,3-Trichloropropane	12.575	75	59460	52.823	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	59460	107.022	ug/l #	17
88) 1,4-Dichlorobenzene	13.522	146	254	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropr...	14.339	75	54	Below Cal	#	1

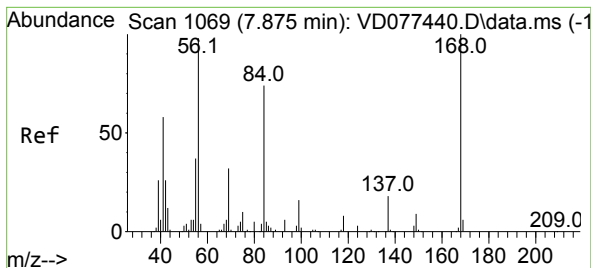
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122023\
Data File : VD078016.D
Acq On : 21 Dec 2023 02:40
Operator : RP/MD
Sample : 05876-06
Misc : 4.36G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 40 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Dec 21 05:34:43 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD078016.D

Acq: 21 Dec 2023 02:40

Instrument :

MSVOA_D

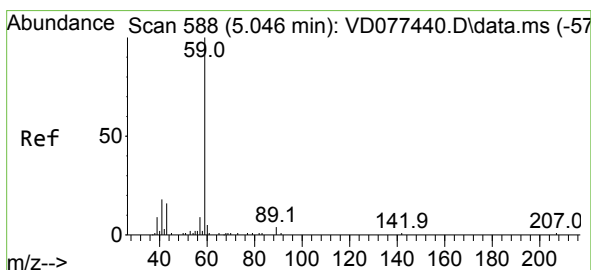
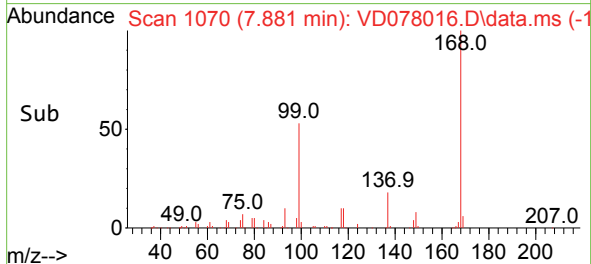
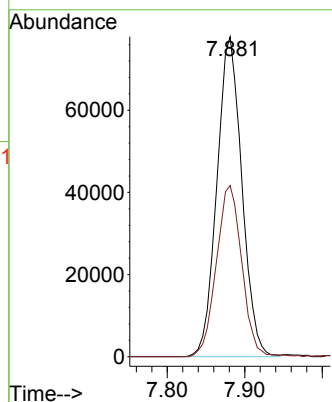
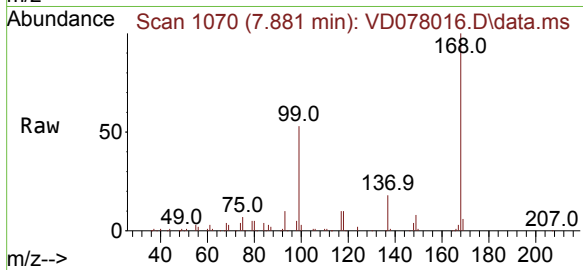
ClientSampleId :

Tgt Ion:168 Resp: 174345

Ion Ratio Lower Upper

168 100

99 53.5 36.7 55.1



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.969 min Scan# 575

Delta R.T. -0.077 min

Lab File: VD078016.D

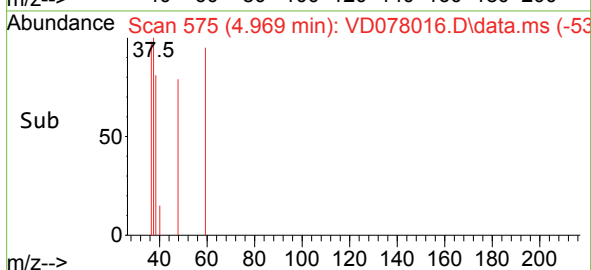
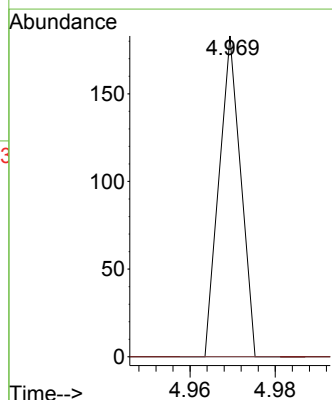
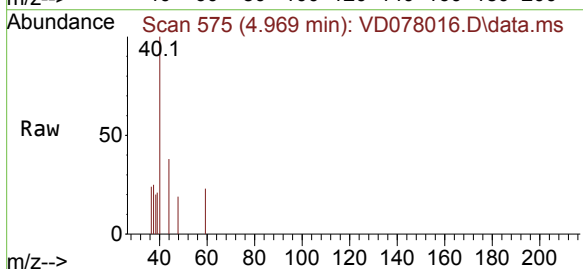
Acq: 21 Dec 2023 02:40

Tgt Ion: 59 Resp: 65

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

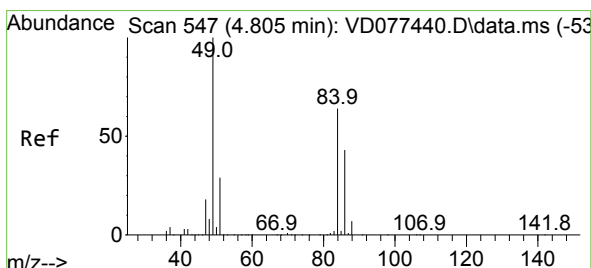
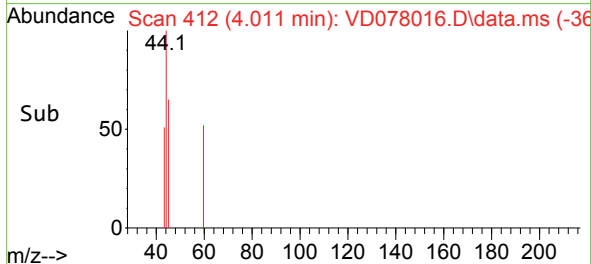
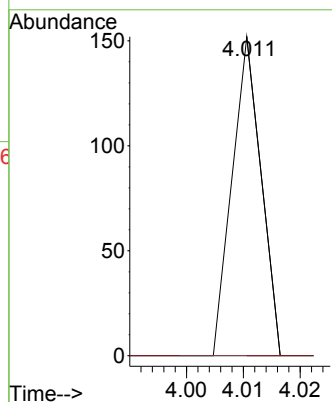
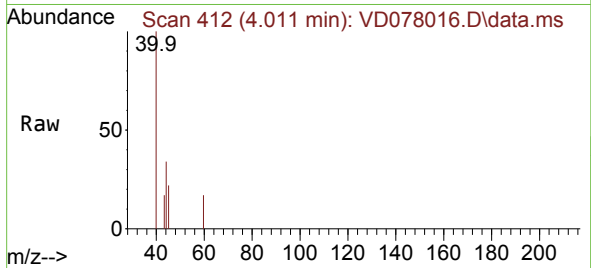




#16
Acetone
Concen: Below Cal
RT: 4.011 min Scan# 411
Delta R.T. -0.011 min
Lab File: VD078016.D
Acq: 21 Dec 2023 02:40

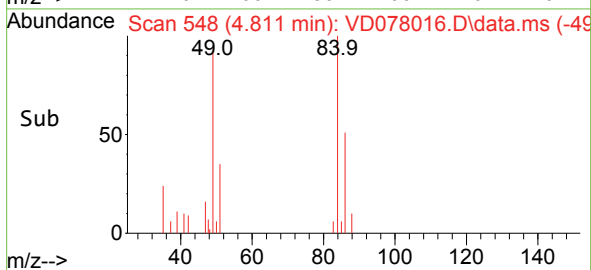
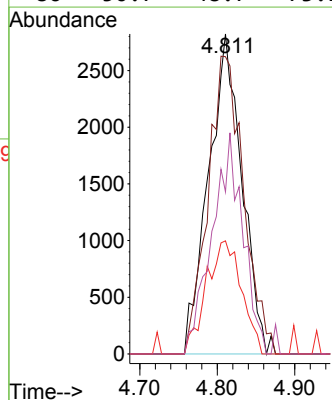
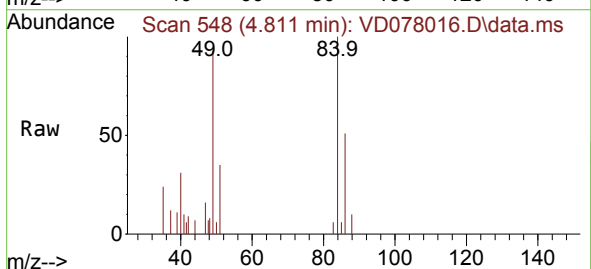
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.811 min Scan# 548
Delta R.T. 0.006 min
Lab File: VD078016.D
Acq: 21 Dec 2023 02:40

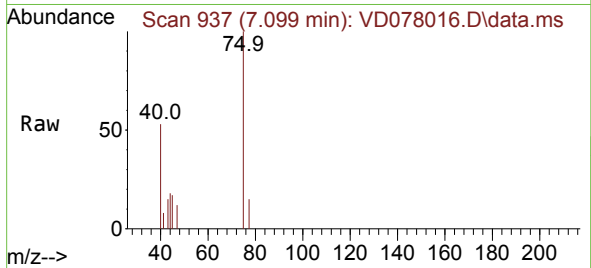
Tgt Ion: 84 Resp: 8460
Ion Ratio Lower Upper
84 100
49 92.9 71.4 107.2
51 35.4 24.5 36.7
86 50.7 48.7 73.1



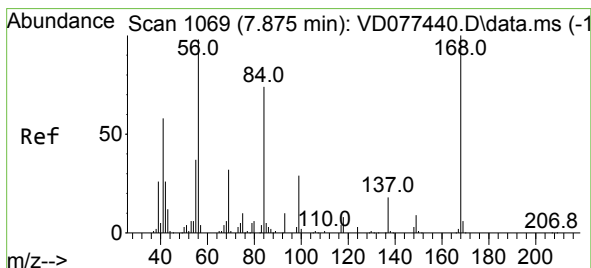
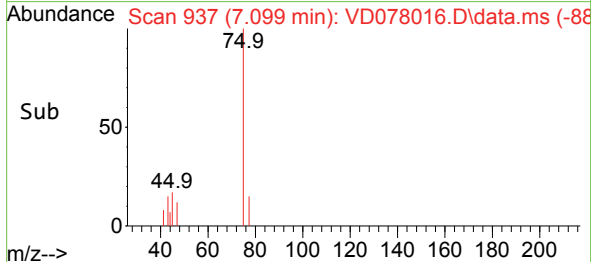
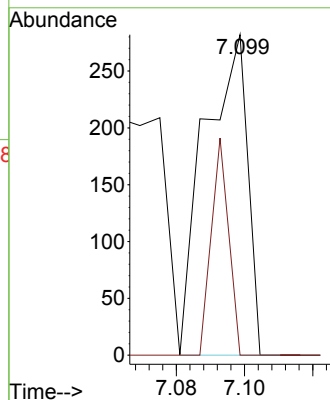


#25
2-Butanone
Concen: Below Cal
RT: 7.099 min Scan# 91
Delta R.T. 0.018 min
Lab File: VD078016.D
Acq: 21 Dec 2023 02:40

Instrument :
MSVOA_D
ClientSampleId :

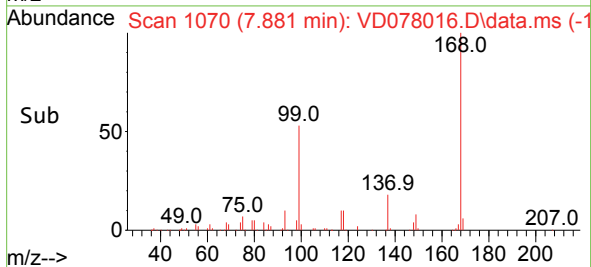
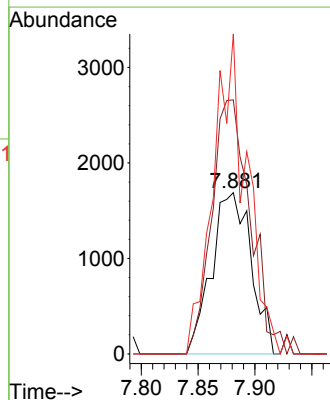
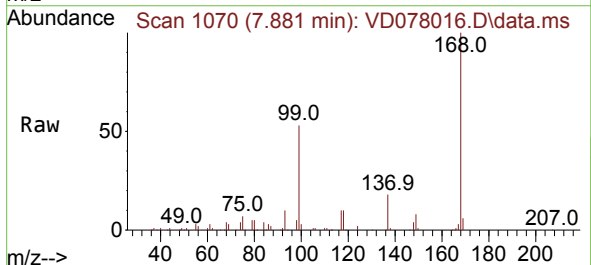


Tgt Ion: 43 Resp: 246
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#31
Cyclohexane
Concen: 1.119 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD078016.D
Acq: 21 Dec 2023 02:40

Tgt Ion: 56 Resp: 4090
Ion Ratio Lower Upper
56 100
69 157.6 28.6 43.0#
84 198.5 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 40.500 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD078016.D

Acq: 21 Dec 2023 02:40

Instrument :

MSVOA_D

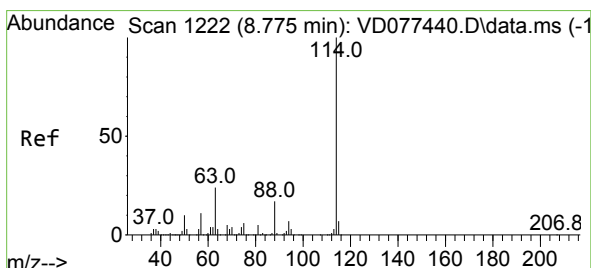
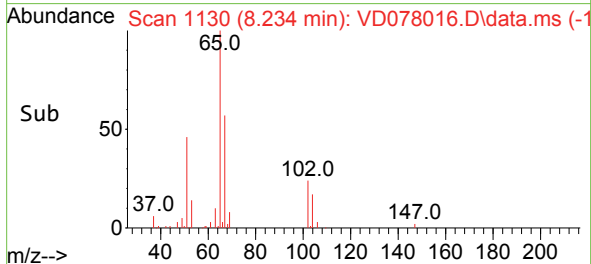
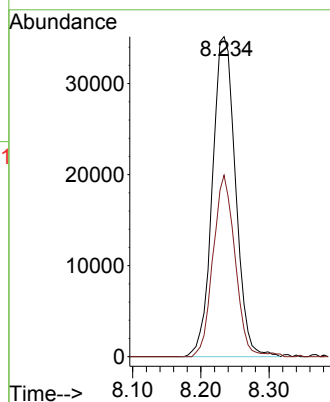
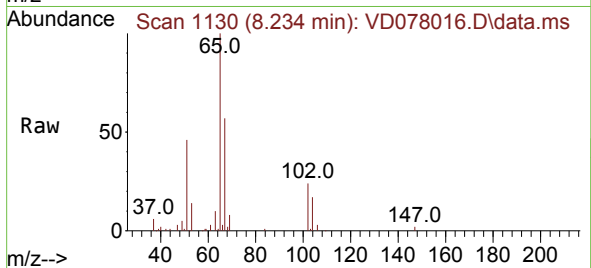
ClientSampleId :

Tgt Ion: 65 Resp: 83203

Ion Ratio Lower Upper

65 100

67 53.6 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: VD078016.D

Acq: 21 Dec 2023 02:40

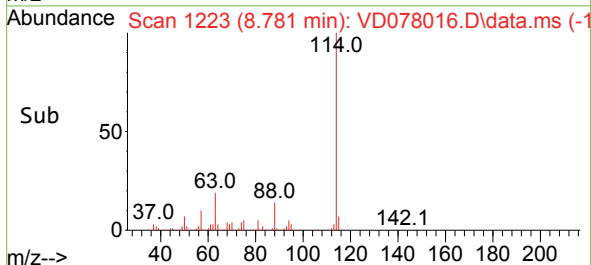
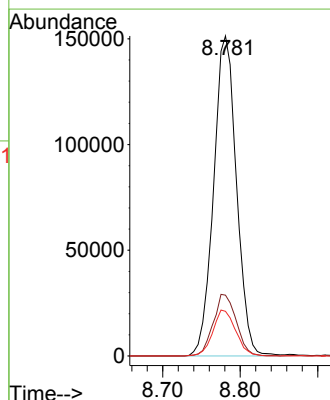
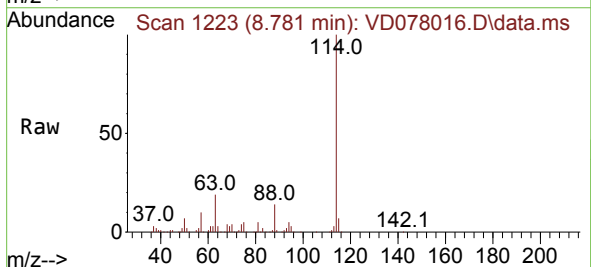
Tgt Ion: 114 Resp: 309843

Ion Ratio Lower Upper

114 100

63 19.0 0.0 33.4

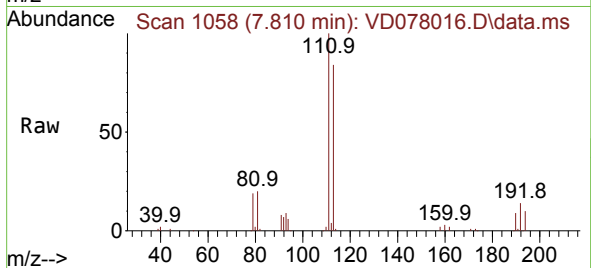
88 13.9 0.0 26.2



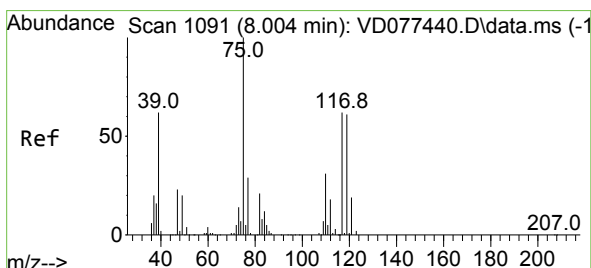
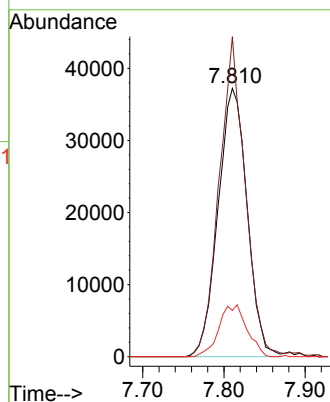
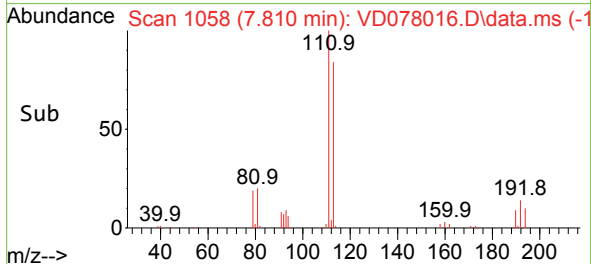


#35
Dibromofluoromethane
Concen: 42.610 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD078016.D
Acq: 21 Dec 2023 02:40

Instrument :
MSVOA_D
ClientSampleId :

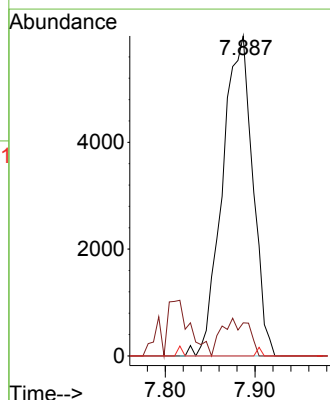
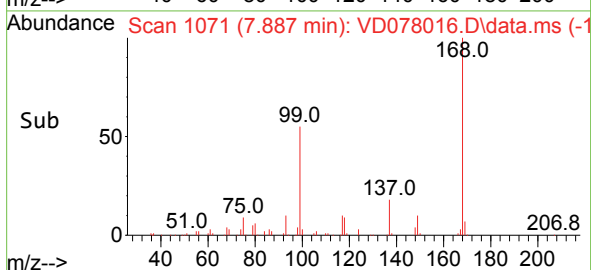
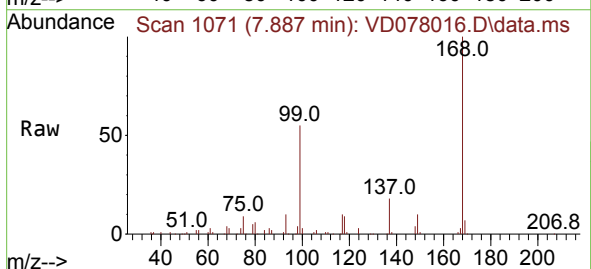


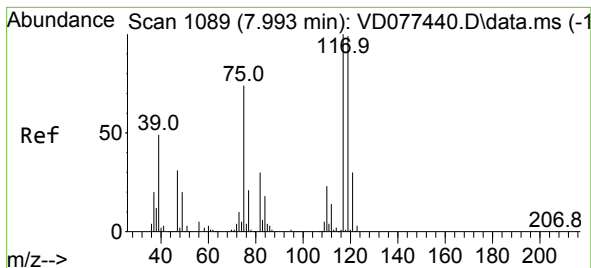
Tgt Ion:113 Resp: 92479
Ion Ratio Lower Upper
113 100
111 106.4 84.7 127.1
192 18.7 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.043 ug/l
RT: 7.887 min Scan# 1071
Delta R.T. -0.117 min
Lab File: VD078016.D
Acq: 21 Dec 2023 02:40

Tgt Ion: 75 Resp: 14034
Ion Ratio Lower Upper
75 100
110 10.5 19.9 59.6#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.173 ug/l

RT: 7.881 min Scan# 1089

Delta R.T. -0.112 min

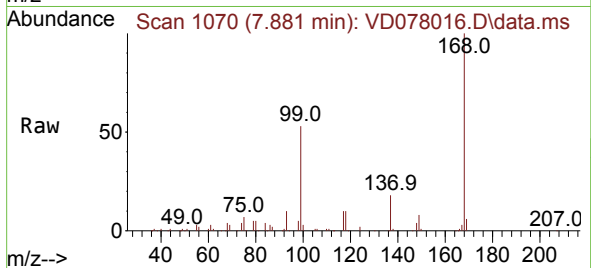
Lab File: VD078016.D

Acq: 21 Dec 2023 02:40

Instrument :

MSVOA_D

ClientSampleId :



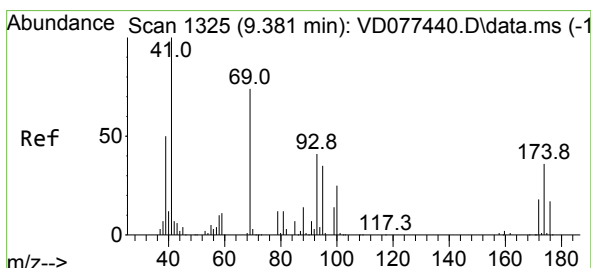
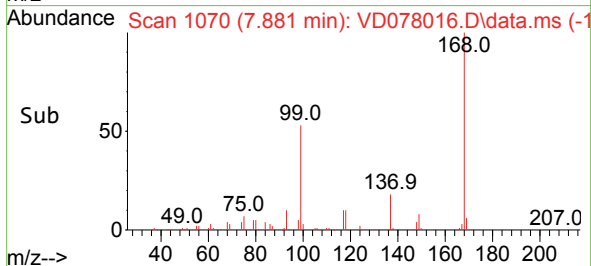
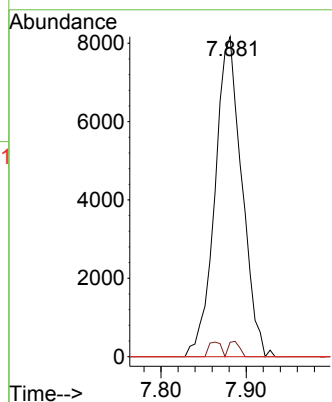
Tgt Ion:117 Resp: 17902

Ion Ratio Lower Upper

117 100

119 4.5 78.0 117.0#

121 0.0 24.2 36.2#



#49

1,4-Dioxane

Concen: 4.291 ug/l

RT: 9.569 min Scan# 1357

Delta R.T. 0.188 min

Lab File: VD078016.D

Acq: 21 Dec 2023 02:40

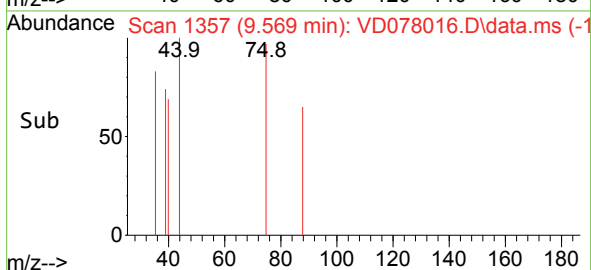
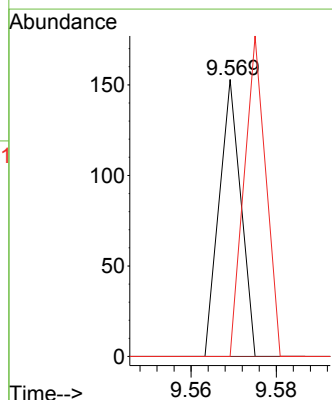
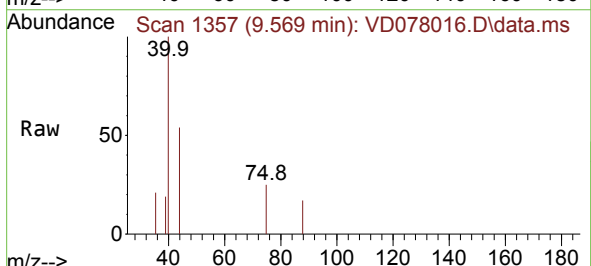
Tgt Ion: 88 Resp: 54

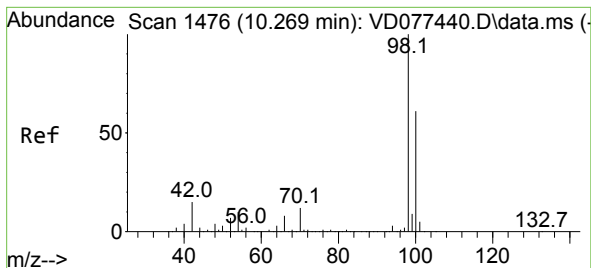
Ion Ratio Lower Upper

88 100

43 0.0 19.0 28.6#

58 114.8 43.5 65.3#





#50

Toluene-d8

Concen: 46.290 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078016.D

Acq: 21 Dec 2023 02:40

Instrument :

MSVOA_D

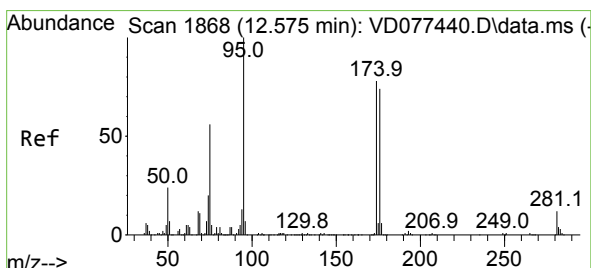
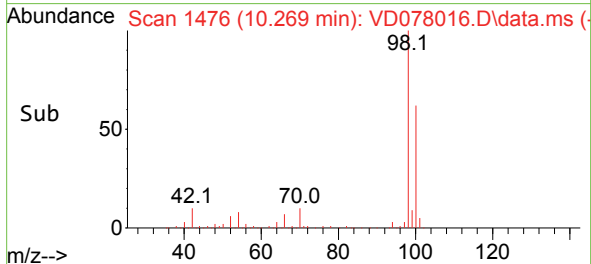
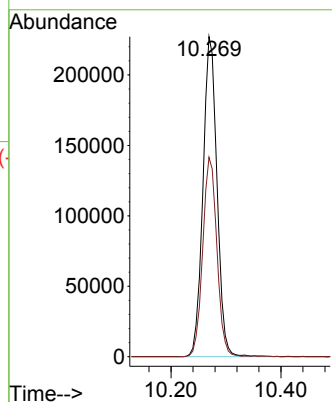
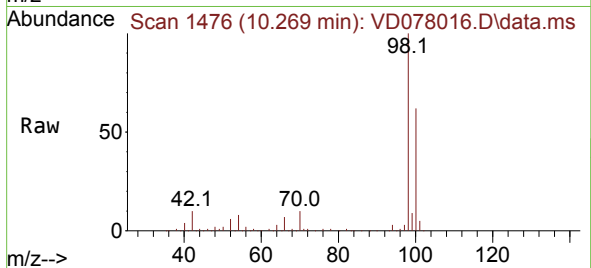
ClientSampleId :

Tgt Ion: 98 Resp: 402381

Ion Ratio Lower Upper

98 100

100 62.9 50.3 75.5



#62

4-Bromofluorobenzene

Concen: 43.799 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD078016.D

Acq: 21 Dec 2023 02:40

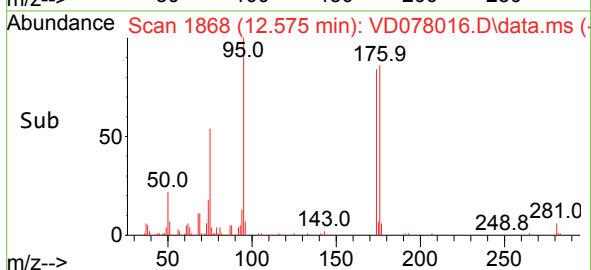
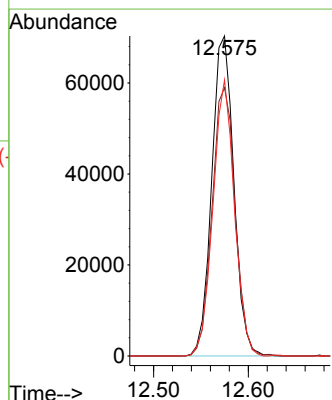
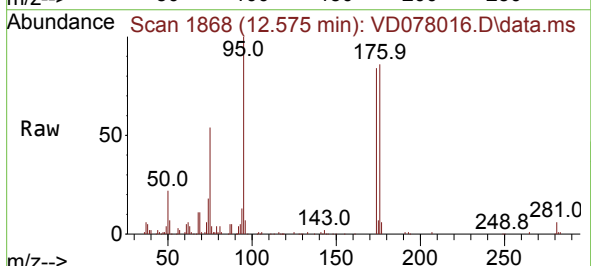
Tgt Ion: 95 Resp: 113826

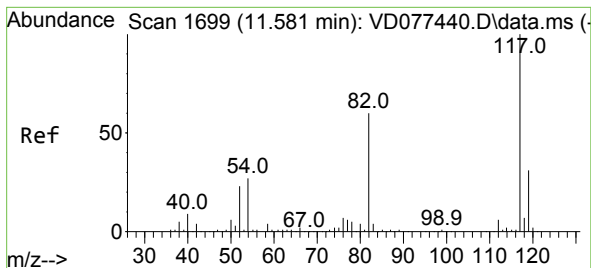
Ion Ratio Lower Upper

95 100

174 87.6 0.0 201.8

176 83.9 0.0 191.8

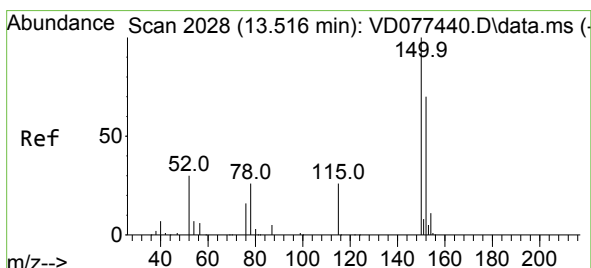
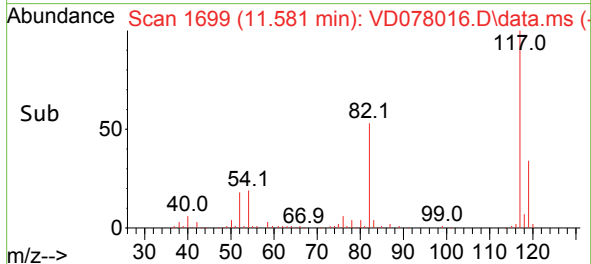
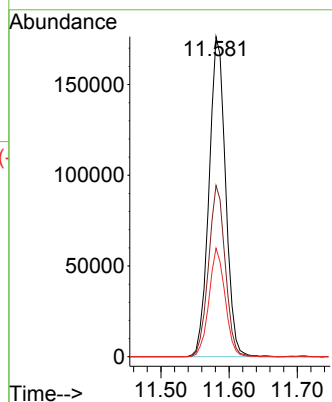
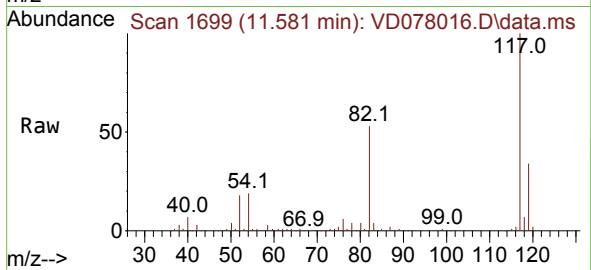




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD078016.D
Acq: 21 Dec 2023 02:40

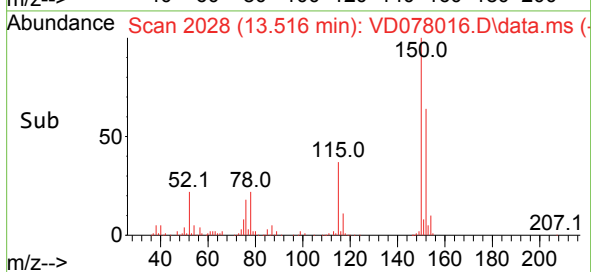
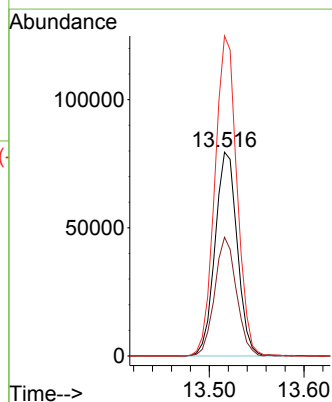
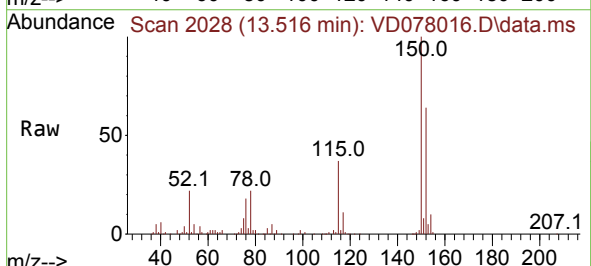
Instrument :
MSVOA_D
ClientSampleId :

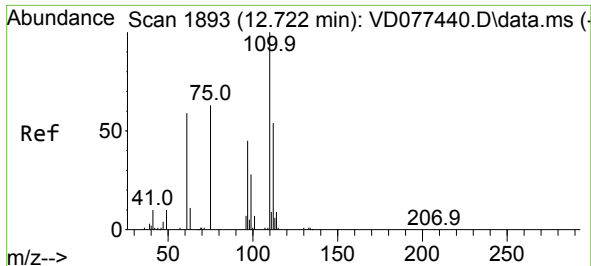
Tgt Ion:117 Resp: 297677
Ion Ratio Lower Upper
117 100
82 53.5 38.3 57.5
119 33.9 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD078016.D
Acq: 21 Dec 2023 02:40

Tgt Ion:152 Resp: 129608
Ion Ratio Lower Upper
152 100
115 57.2 27.1 81.3
150 156.4 0.0 353.6

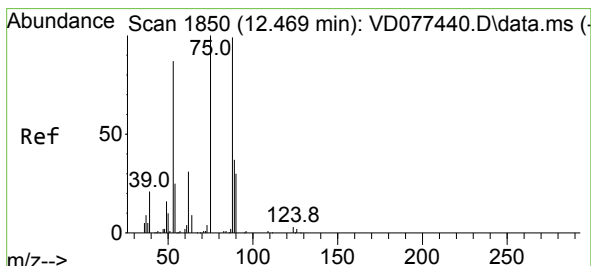
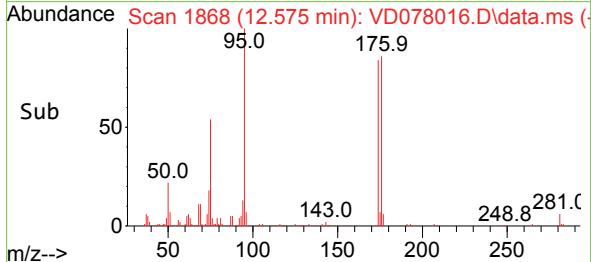
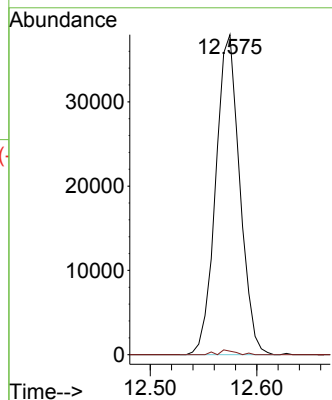
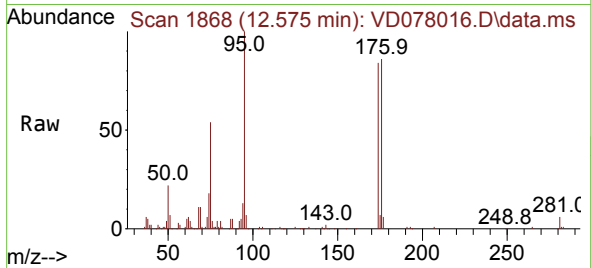




#76
1,2,3-Trichloropropane
Concen: 52.823 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD078016.D
Acq: 21 Dec 2023 02:40

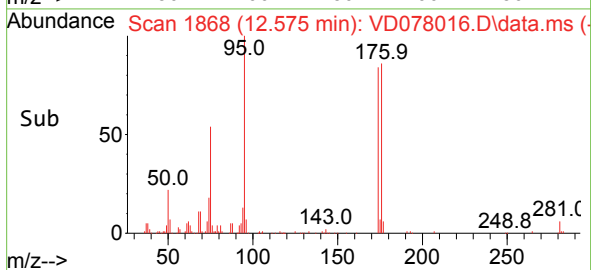
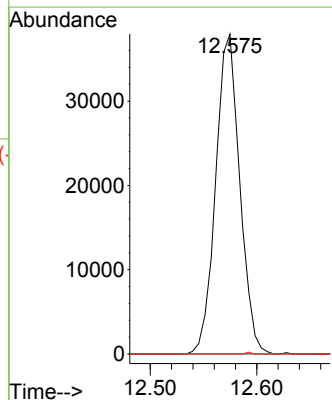
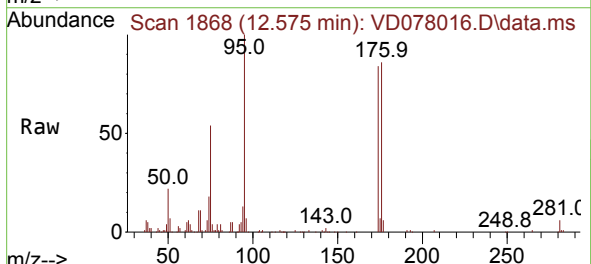
Instrument :
MSVOA_D
ClientSampleId :

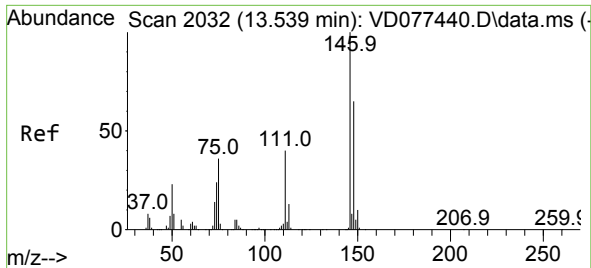
Tgt Ion: 75 Resp: 59460
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 107.022 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078016.D
Acq: 21 Dec 2023 02:40

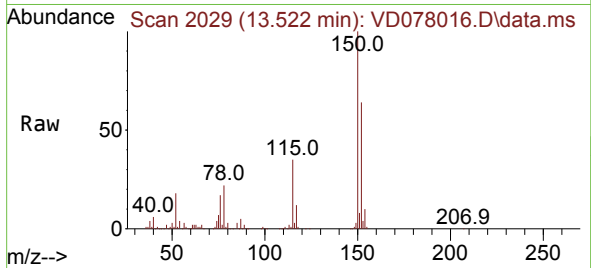
Tgt Ion: 75 Resp: 59460
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.1 37.9 56.9#





#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.522 min Scan# 20
 Delta R.T. -0.017 min
 Lab File: VD078016.D
 Acq: 21 Dec 2023 02:40

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
146	100		
111	724.4	17.4	52.3#
148	312.6	31.7	95.1#

