

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122123\
 Data File : VD078047.D
 Acq On : 22 Dec 2023 02:58
 Operator : RP/MD
 Sample : 05877-13
 Misc : 5.23G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 22 05:54:23 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)

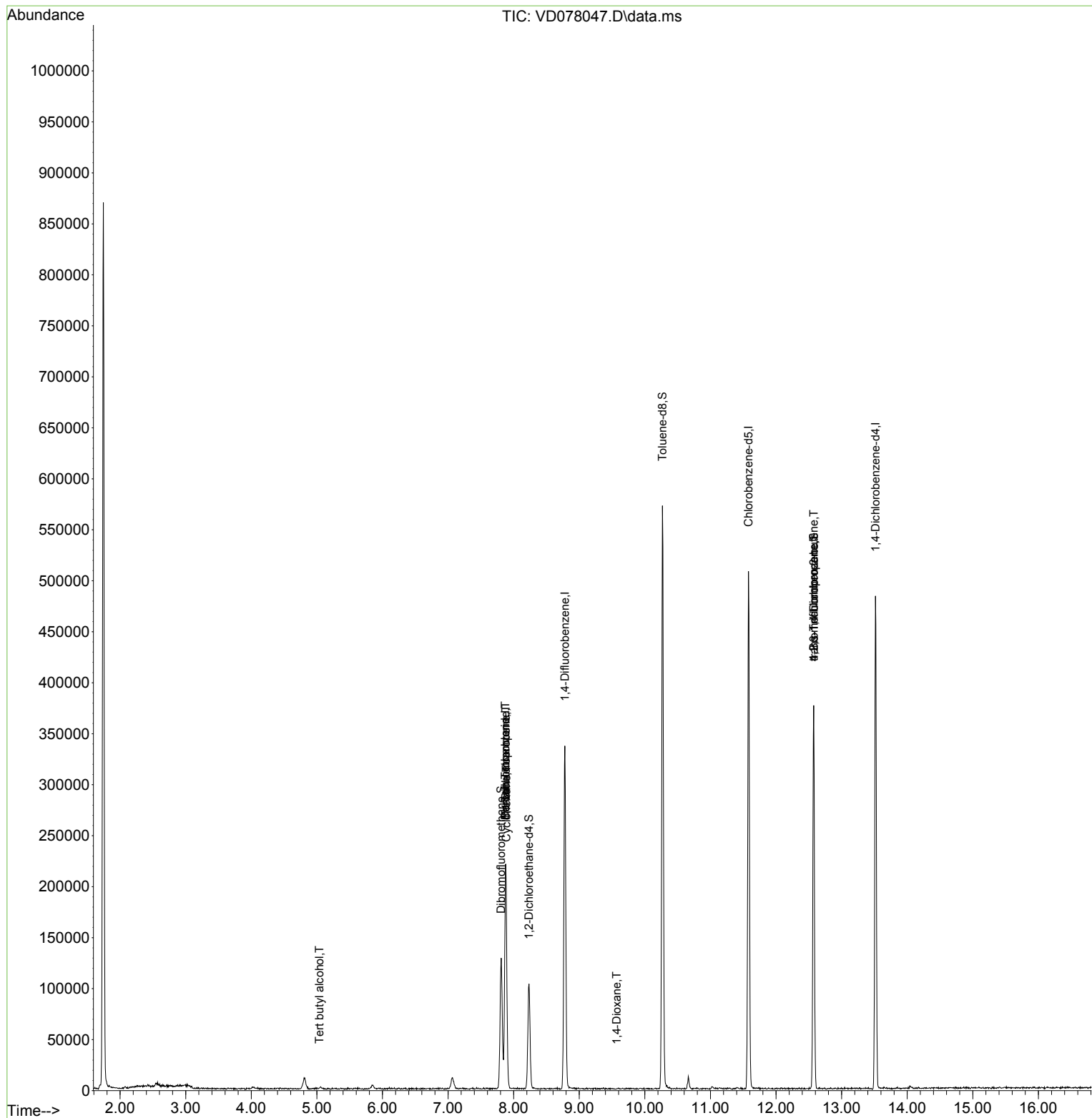
Internal Standards						
1) Pentafluorobenzene	7.875	168	170488	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	299031	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	296312	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	128175	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	80992	40.315	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	80.640%
35) Dibromofluoromethane	7.810	113	90800	43.349	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	86.700%
50) Toluene-d8	10.269	98	392459	46.781	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.560%
62) 4-Bromofluorobenzene	12.575	95	109798	43.776	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	87.560%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.040	59	1622	5.753	ug/l	98
16) Acetone	4.016	43	2843	Below Cal	#	64
20) Methylene Chloride	4.810	84	7576	Below Cal		94
25) 2-Butanone	7.087	43	77	Below Cal	#	37
31) Cyclohexane	7.887	56	4068	1.138	ug/l #	56
36) 1,1-Dichloropropene	7.881	75	13403	4.000	ug/l #	49
38) Carbon Tetrachloride	7.875	117	16978	5.083	ug/l #	15
49) 1,4-Dioxane	9.569	88	62	5.105	ug/l #	33
76) 1,2,3-Trichloropropane	12.575	75	59504	53.453	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	59504	108.299	ug/l #	17
88) 1,4-Dichlorobenzene	13.516	146	129	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropr...	14.174	75	54	Below Cal	#	1

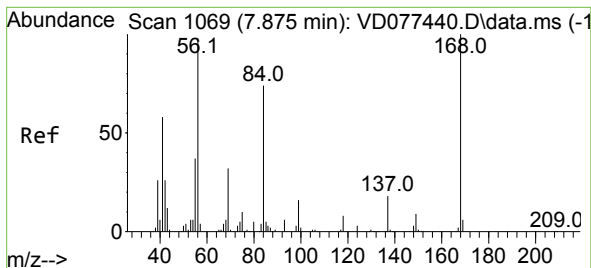
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD078047.D

Acq: 22 Dec 2023 02:58

Instrument :

MSVOA_D

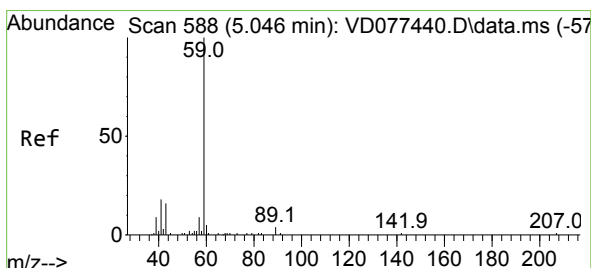
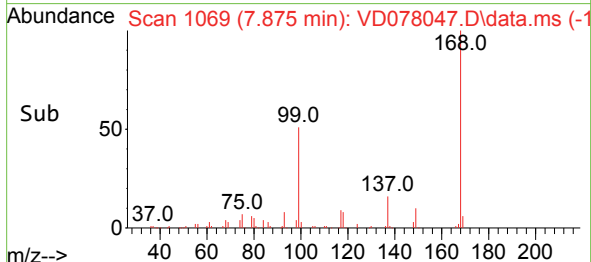
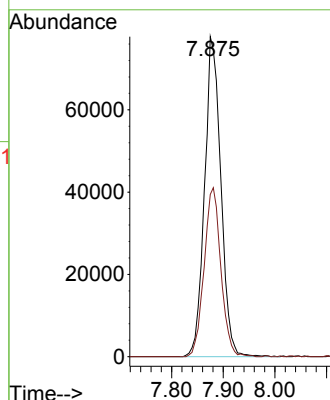
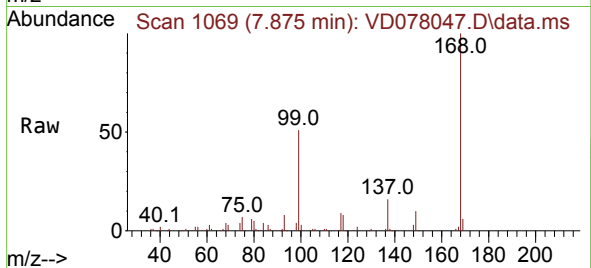
ClientSampleId :

Tgt Ion:168 Resp: 170488

Ion Ratio Lower Upper

168 100

99 50.7 36.7 55.1



#11

Tert butyl alcohol

Concen: 5.753 ug/l

RT: 5.040 min Scan# 587

Delta R.T. -0.006 min

Lab File: VD078047.D

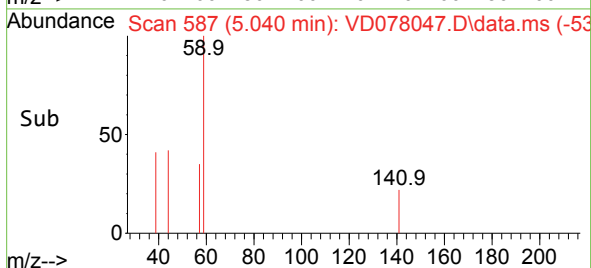
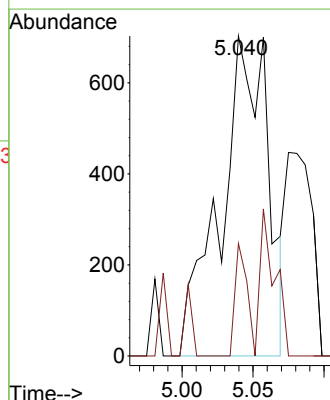
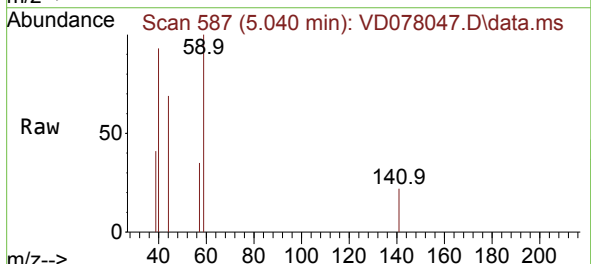
Acq: 22 Dec 2023 02:58

Tgt Ion: 59 Resp: 1622

Ion Ratio Lower Upper

59 100

57 8.9 7.8 11.8

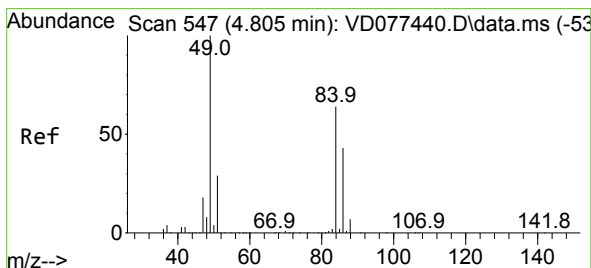
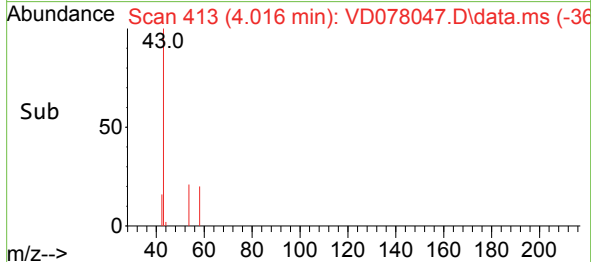
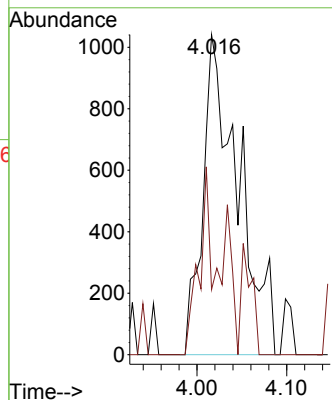
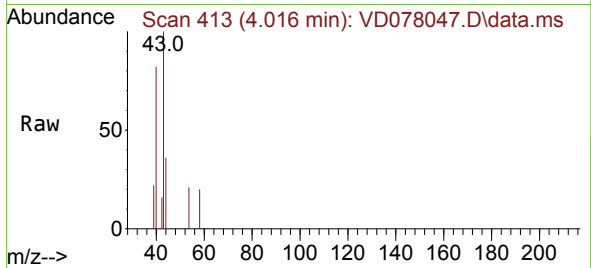




#16
Acetone
Concen: Below Cal
RT: 4.016 min Scan# 414
Delta R.T. -0.006 min
Lab File: VD078047.D
Acq: 22 Dec 2023 02:58

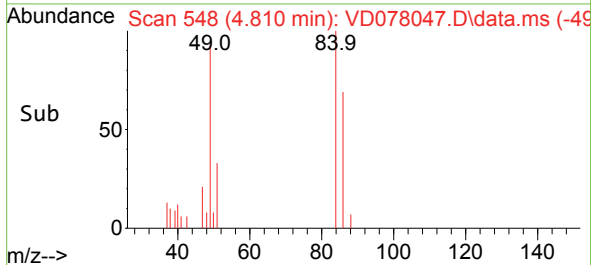
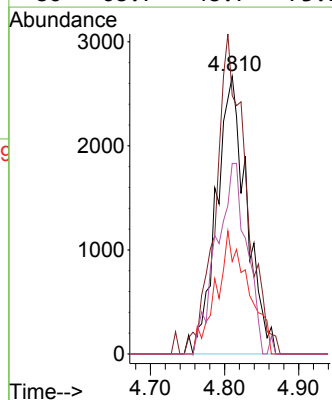
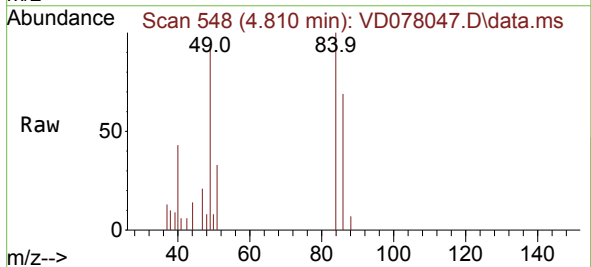
Instrument :
MSVOA_D
ClientSampleId :

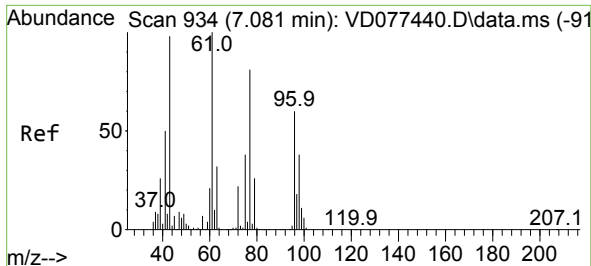
Tgt Ion: 43 Resp: 2843
Ion Ratio Lower Upper
43 100
58 20.4 34.7 52.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.810 min Scan# 548
Delta R.T. 0.005 min
Lab File: VD078047.D
Acq: 22 Dec 2023 02:58

Tgt Ion: 84 Resp: 7576
Ion Ratio Lower Upper
84 100
49 93.1 71.4 107.2
51 33.3 24.5 36.7
86 68.7 48.7 73.1





#25

2-Butanone

Concen: Below Cal

RT: 7.087 min Scan# 91

Delta R.T. 0.006 min

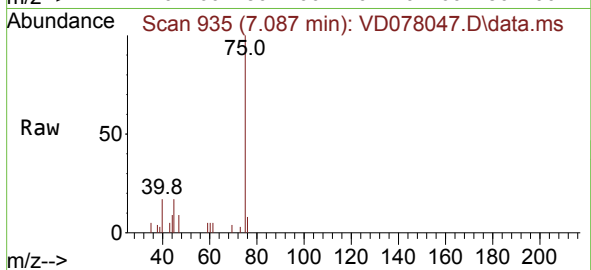
Lab File: VD078047.D

Acq: 22 Dec 2023 02:58

Instrument :

MSVOA_D

ClientSampleId :

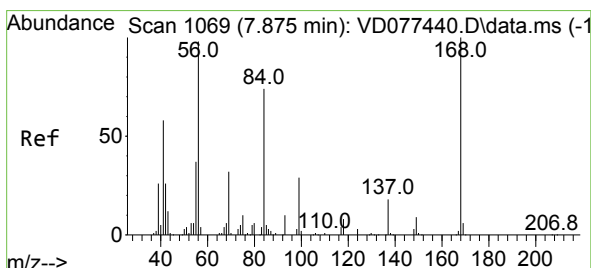
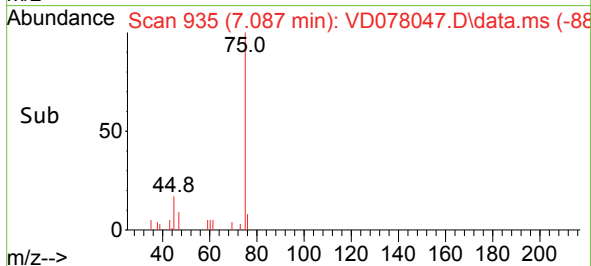
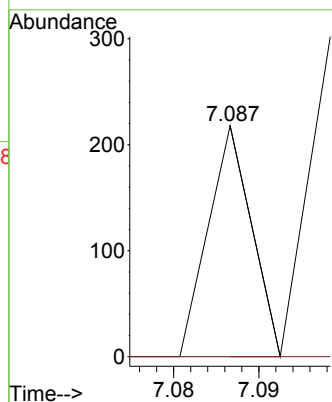


Tgt Ion: 43 Resp: 77

Ion Ratio Lower Upper

43 100

72 0.0 30.7 46.1#



#31

Cyclohexane

Concen: 1.138 ug/l

RT: 7.887 min Scan# 1071

Delta R.T. 0.012 min

Lab File: VD078047.D

Acq: 22 Dec 2023 02:58

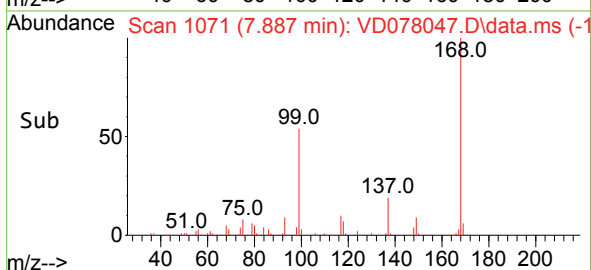
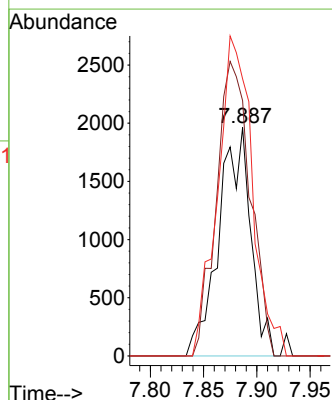
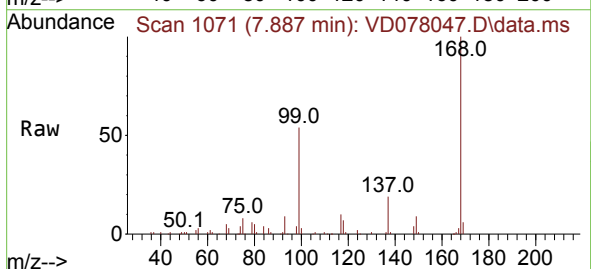
Tgt Ion: 56 Resp: 4068

Ion Ratio Lower Upper

56 100

69 111.8 28.6 43.0#

84 121.3 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 40.315 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD078047.D

Acq: 22 Dec 2023 02:58

Instrument :

MSVOA_D

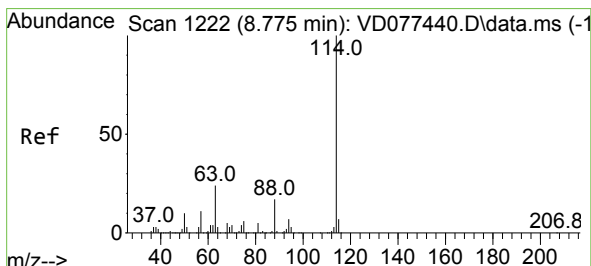
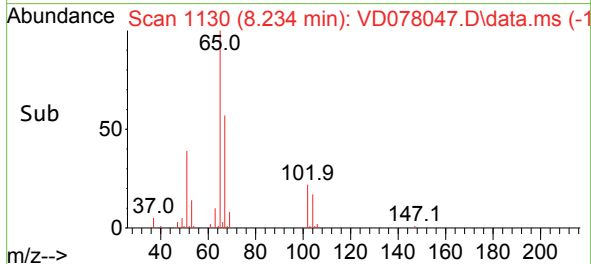
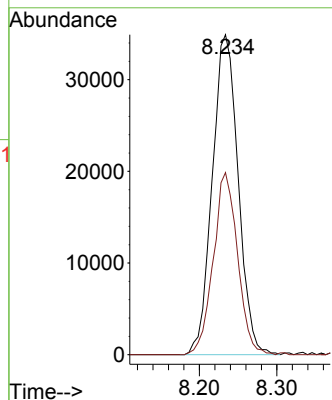
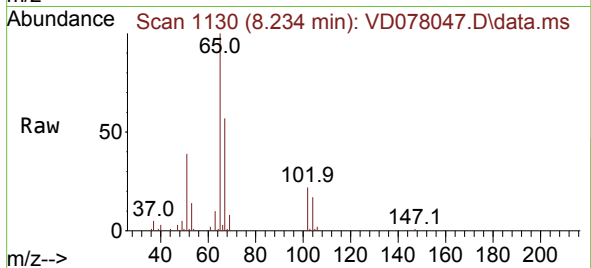
ClientSampleId :

Tgt Ion: 65 Resp: 80992

Ion Ratio Lower Upper

65 100

67 53.4 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: VD078047.D

Acq: 22 Dec 2023 02:58

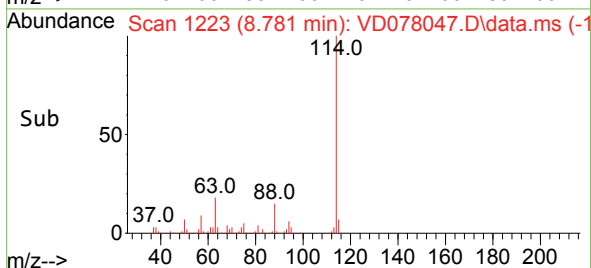
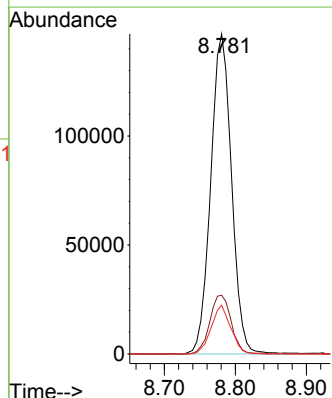
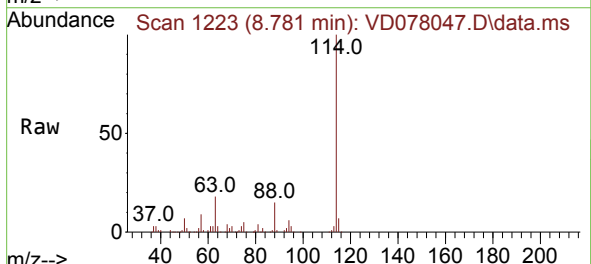
Tgt Ion: 114 Resp: 299031

Ion Ratio Lower Upper

114 100

63 18.3 0.0 33.4

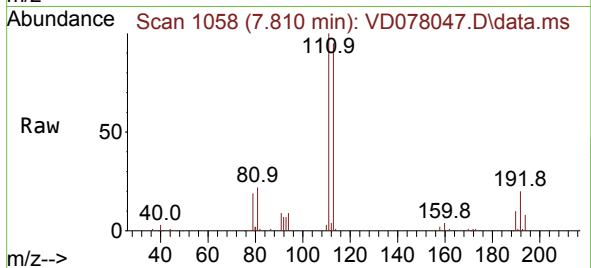
88 15.3 0.0 26.2



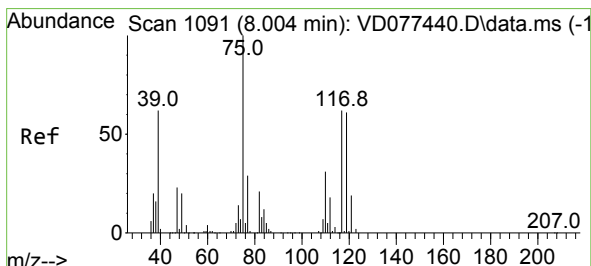
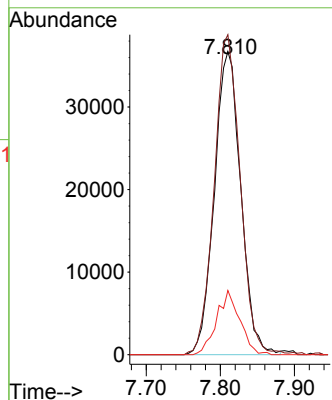
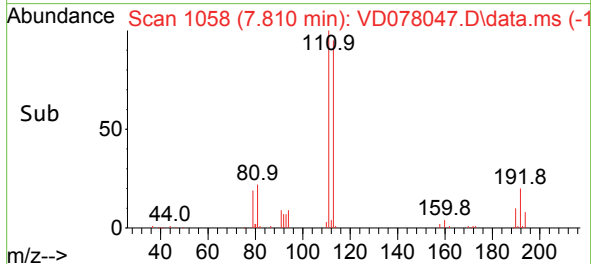


#35
Dibromofluoromethane
Concen: 43.349 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD078047.D
Acq: 22 Dec 2023 02:58

Instrument :
MSVOA_D
ClientSampleId :

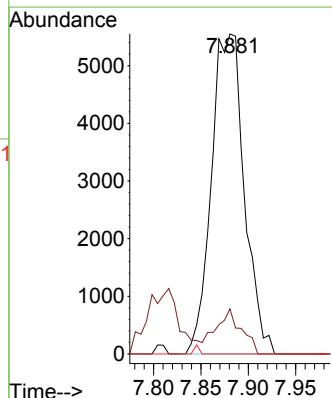
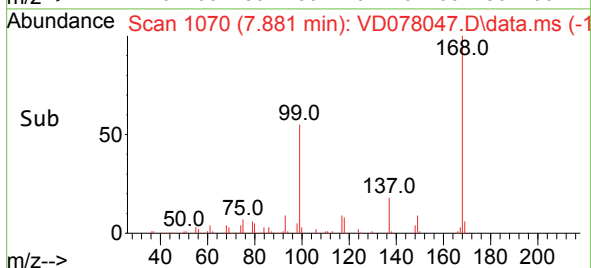
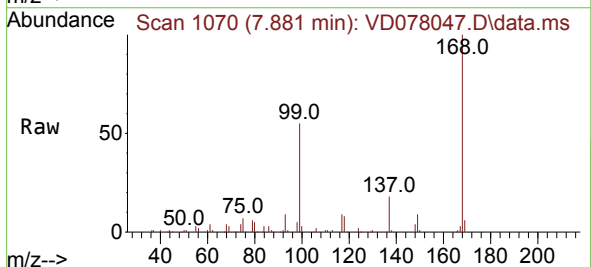


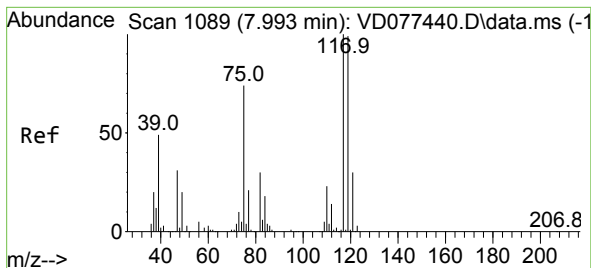
Tgt Ion:113 Resp: 90800
Ion Ratio Lower Upper
113 100
111 103.8 84.7 127.1
192 18.6 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.000 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.123 min
Lab File: VD078047.D
Acq: 22 Dec 2023 02:58

Tgt Ion: 75 Resp: 13403
Ion Ratio Lower Upper
75 100
110 10.8 19.9 59.6#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.083 ug/l

RT: 7.875 min Scan# 1

Delta R.T. -0.118 min

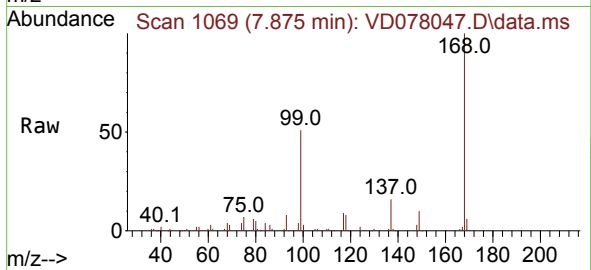
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Acq: 22 Dec 2023 02:58

Instrument :

MSVOA_D

ClientSampleId :



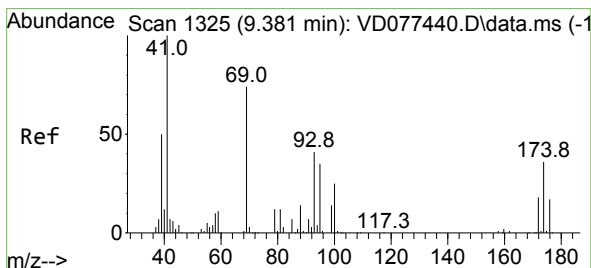
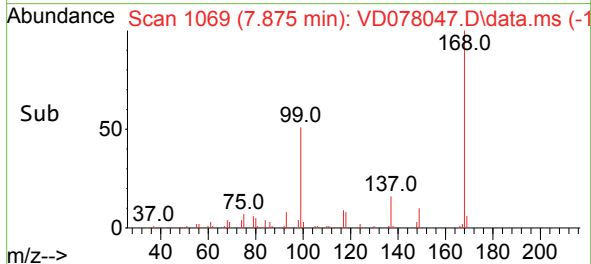
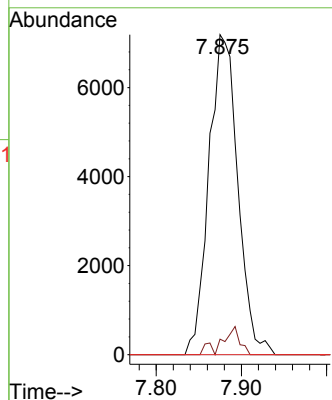
Tgt Ion:117 Resp: 16978

Ion Ratio Lower Upper

117 100

119 4.8 78.0 117.0#

121 0.0 24.2 36.2#



#49

1,4-Dioxane

Concen: 5.105 ug/l

RT: 9.569 min Scan# 1357

Delta R.T. 0.188 min

Lab File: VD078047.D

Acq: 22 Dec 2023 02:58

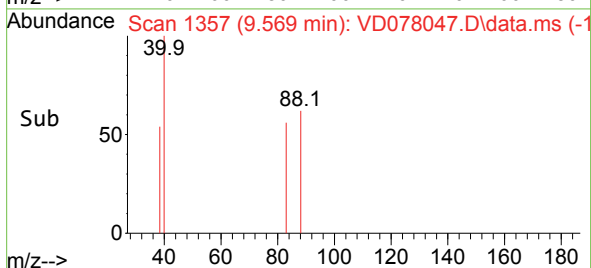
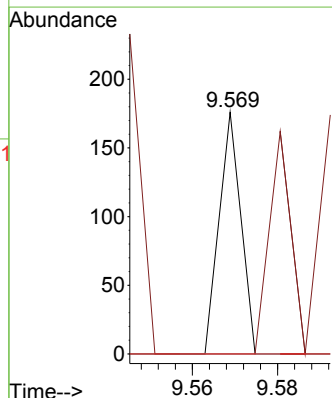
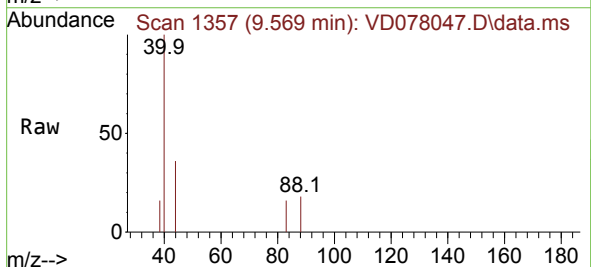
Tgt Ion: 88 Resp: 62

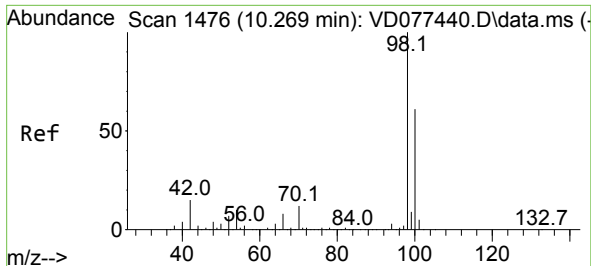
Ion Ratio Lower Upper

88 100

43 0.0 19.0 28.6#

58 0.0 43.5 65.3#

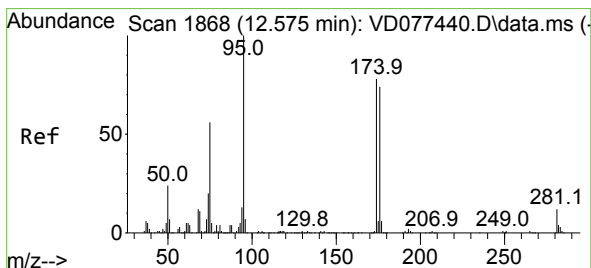
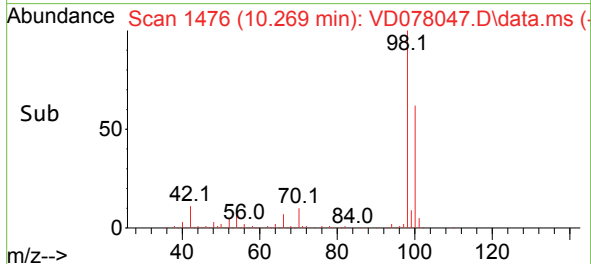
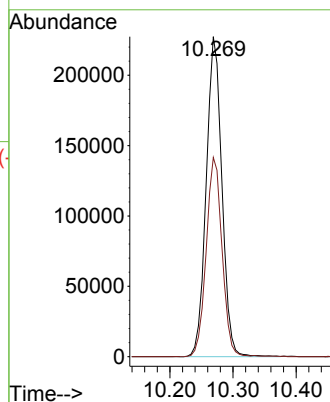
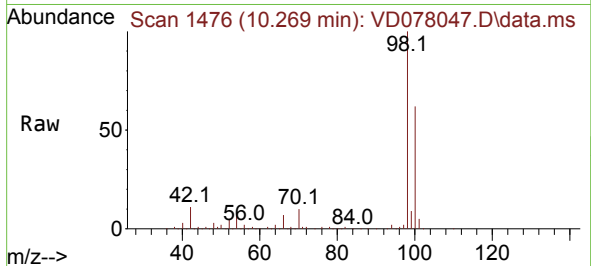




#50
Toluene-d8
Concen: 46.781 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD078047.D
Acq: 22 Dec 2023 02:58

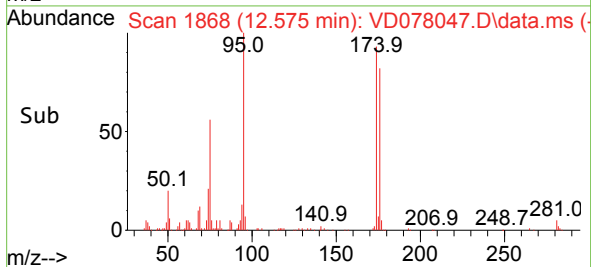
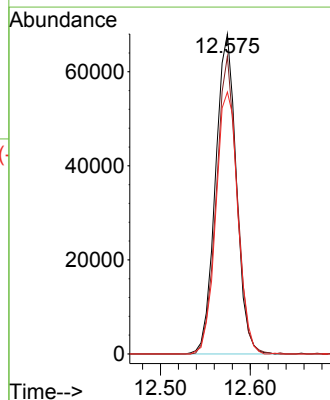
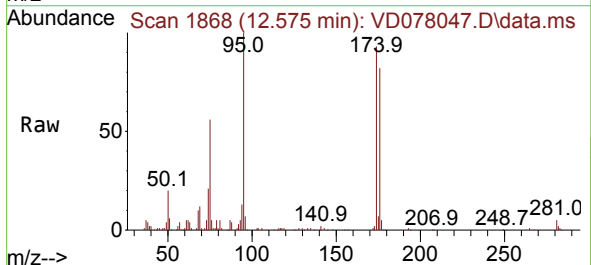
Instrument :
MSVOA_D
ClientSampleId :

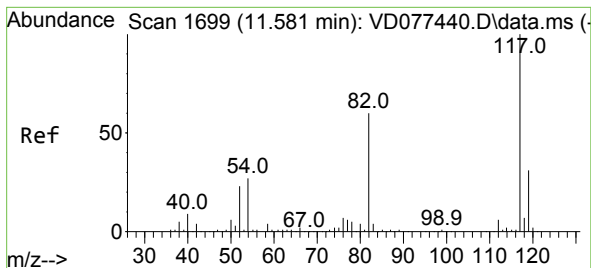
Tgt Ion: 98 Resp: 392459
Ion Ratio Lower Upper
98 100
100 63.1 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 43.776 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078047.D
Acq: 22 Dec 2023 02:58

Tgt Ion: 95 Resp: 109798
Ion Ratio Lower Upper
95 100
174 91.9 0.0 201.8
176 86.5 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: VD078047.D

Acq: 22 Dec 2023 02:58

Instrument :

MSVOA_D

ClientSampleId :

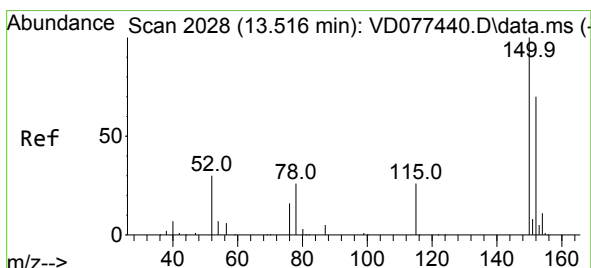
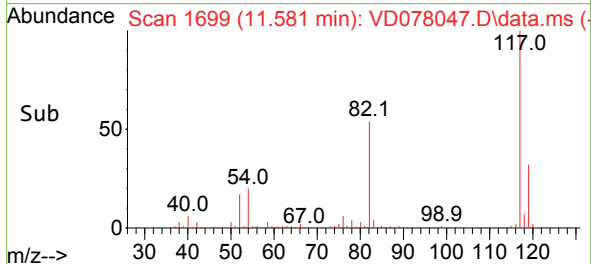
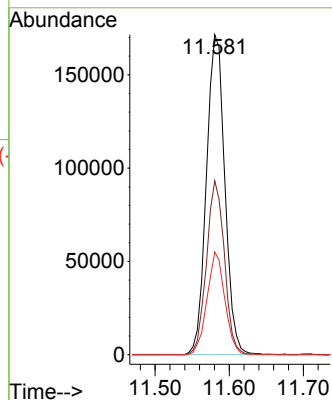
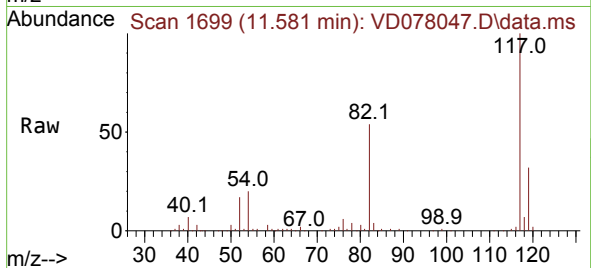
Tgt Ion:117 Resp: 296312

Ion Ratio Lower Upper

117 100

82 54.3 38.3 57.5

119 32.0 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: VD078047.D

Acq: 22 Dec 2023 02:58

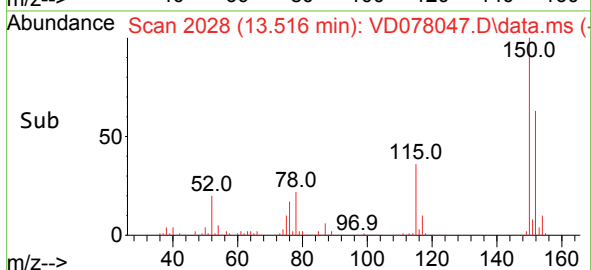
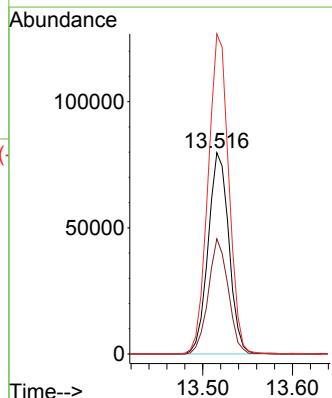
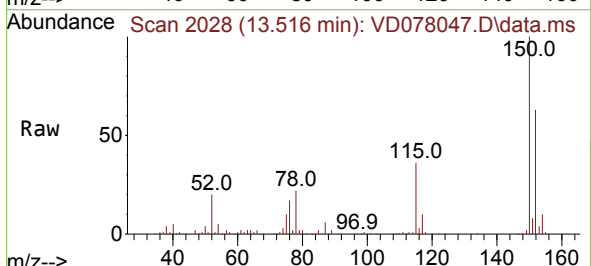
Tgt Ion:152 Resp: 128175

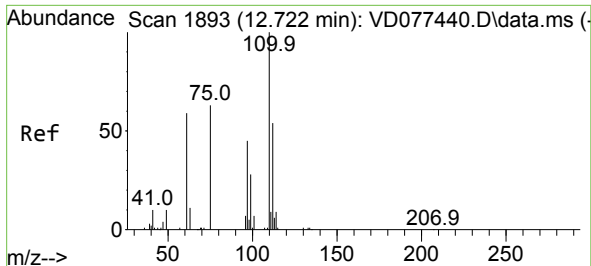
Ion Ratio Lower Upper

152 100

115 54.9 27.1 81.3

150 158.5 0.0 353.6

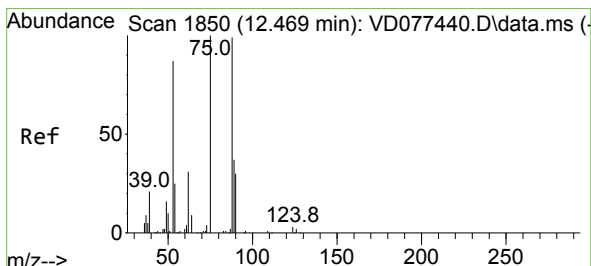
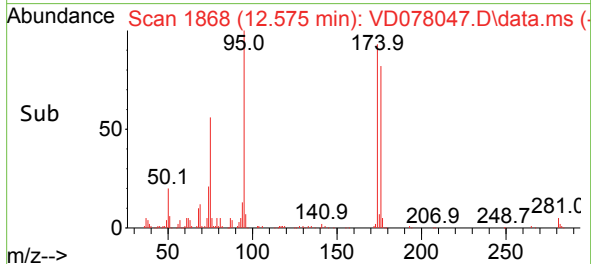
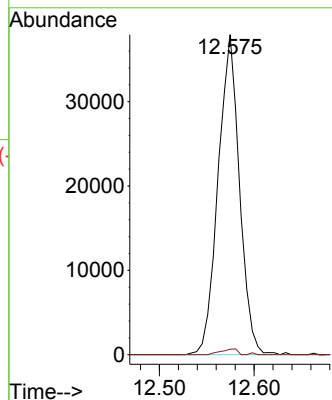
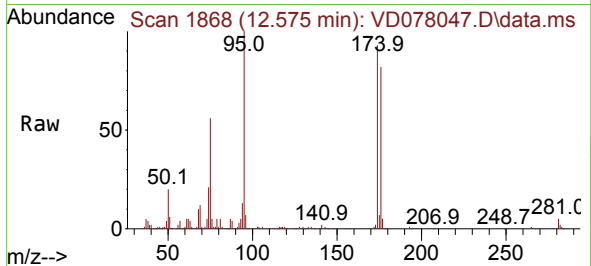




#76
1,2,3-Trichloropropane
Concen: 53.453 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD078047.D
Acq: 22 Dec 2023 02:58

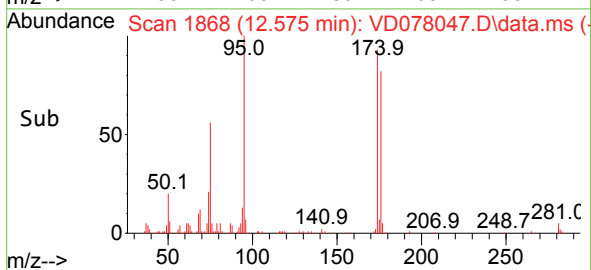
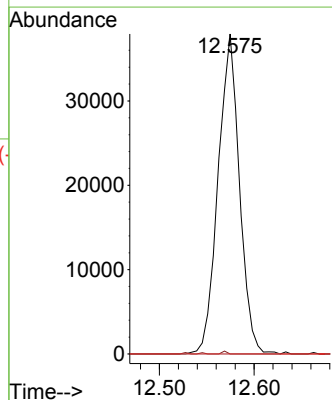
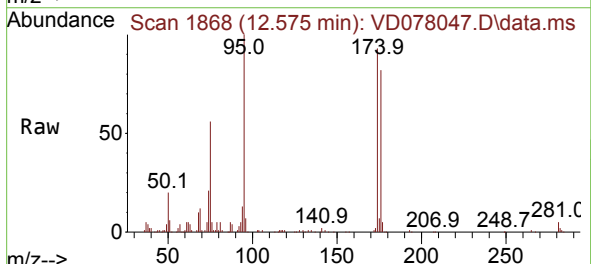
Instrument :
MSVOA_D
ClientSampleId :

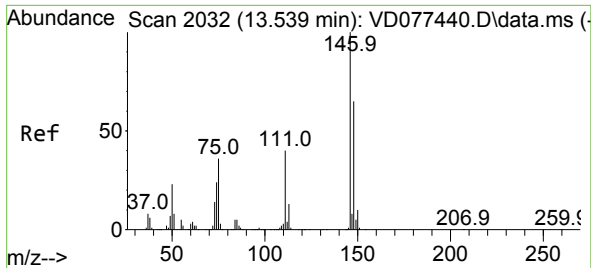
Tgt Ion: 75 Resp: 59504
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 108.299 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078047.D
Acq: 22 Dec 2023 02:58

Tgt Ion: 75 Resp: 59504
Ion Ratio Lower Upper
75 100
53 0.2 63.0 94.4#
89 0.0 37.9 56.9#





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.516 min Scan# 20

Delta R.T. -0.023 min

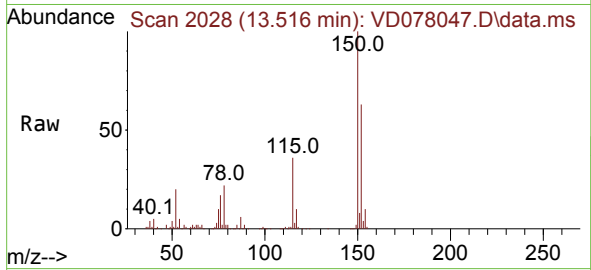
Lab File: VD078047.D

Acq: 22 Dec 2023 02:58

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:146 Resp: 129

Ion Ratio Lower Upper

146 100

111 1423.3 17.4 52.3#

148 658.9 31.7 95.1#

