

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122023\
 Data File : VD078000.D
 Acq On : 20 Dec 2023 17:16
 Operator : RP/MD
 Sample : 05796-04
 Misc : 5.03G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 21 05:26:27 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)

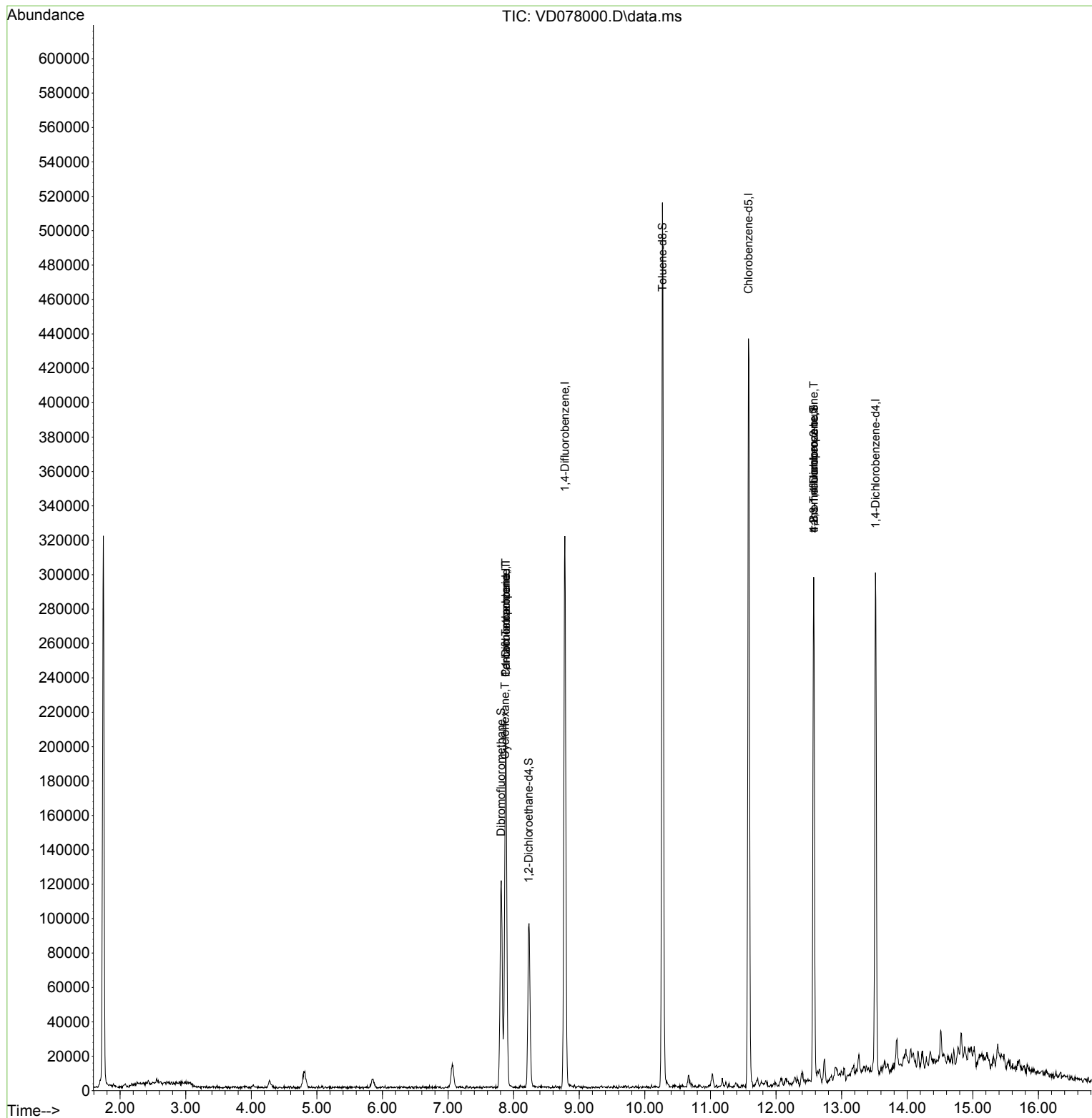
Internal Standards						
1) Pentafluorobenzene	7.881	168	161068	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	290803	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	257879	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	79764	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	77584	40.878	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	81.760%		
35) Dibromofluoromethane	7.810	113	87379	42.896	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	85.800%		
50) Toluene-d8	10.269	98	357968	43.877	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	87.760%		
62) 4-Bromofluorobenzene	12.575	95	90182	36.973	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	73.940%		
Target Compounds						
11) Tert butyl alcohol	5.146	59	64	Below Cal	#	1
16) Acetone	4.022	43	2663	Below Cal		95
20) Methylene Chloride	4.799	84	7230	Below Cal	#	86
25) 2-Butanone	7.069	43	819	Below Cal		92
31) Cyclohexane	7.869	56	3660	1.084	ug/l #	57
36) 1,1-Dichloropropene	7.881	75	13689	4.201	ug/l #	47
38) Carbon Tetrachloride	7.881	117	16069	4.947	ug/l #	18
65) Chlorobenzene	11.604	112	142	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	47729	68.897	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	47729	139.591	ug/l #	17
88) 1,4-Dichlorobenzene	13.522	146	198	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropr...	14.257	75	63	Below Cal	#	1

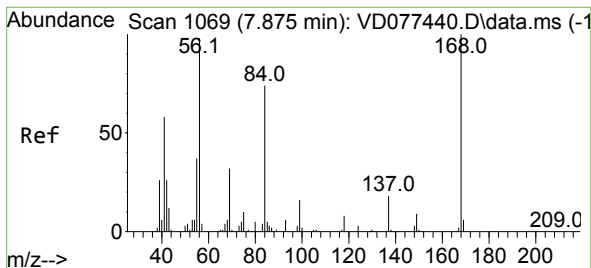
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Dec 14 14:48:10 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD078000.D

Acq: 20 Dec 2023 17:16

Instrument :

MSVOA_D

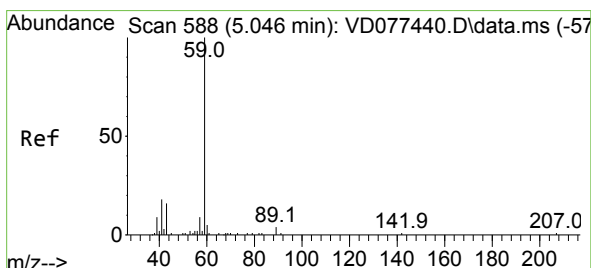
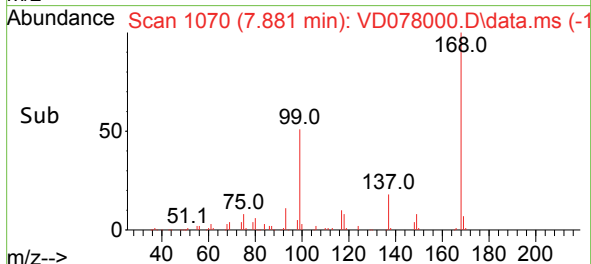
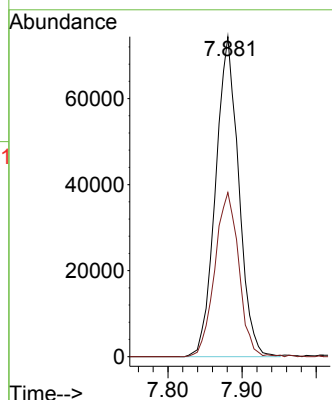
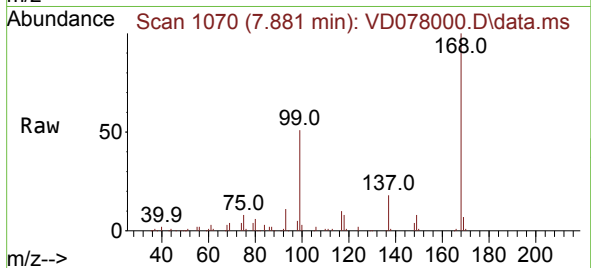
ClientSampleId :

Tgt Ion:168 Resp: 161068

Ion Ratio Lower Upper

168 100

99 51.3 36.7 55.1



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.146 min Scan# 605

Delta R.T. 0.100 min

Lab File: VD078000.D

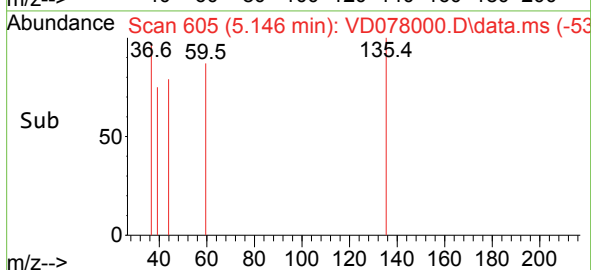
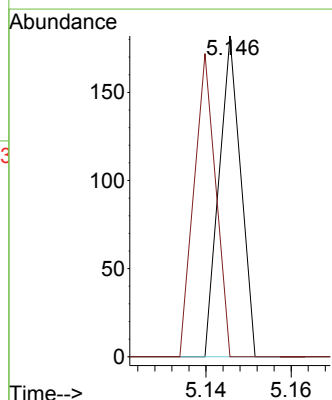
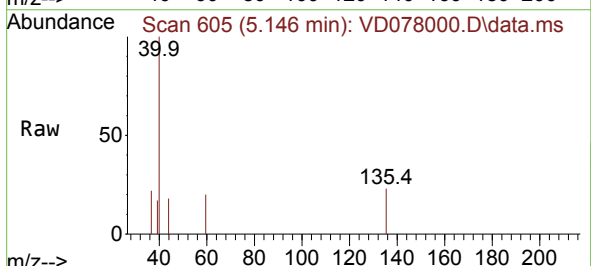
Acq: 20 Dec 2023 17:16

Tgt Ion: 59 Resp: 64

Ion Ratio Lower Upper

59 100

57 95.3 7.8 11.8#

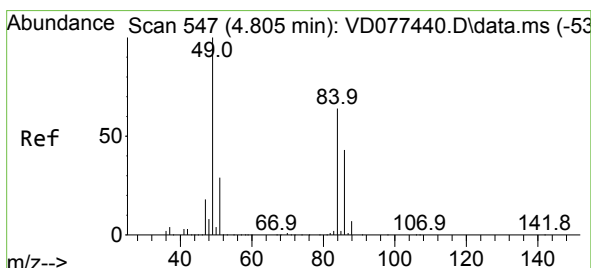
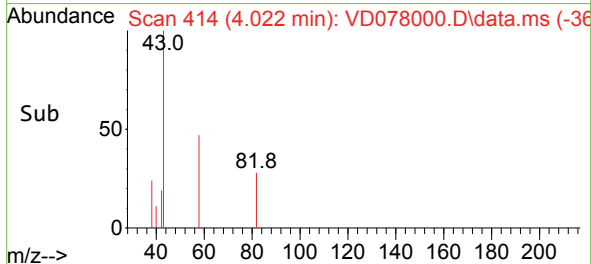
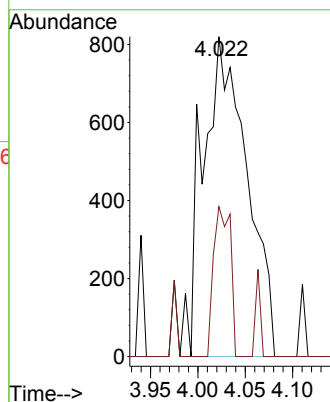
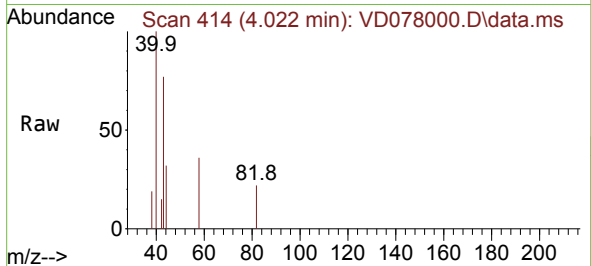




#16
Acetone
Concen: Below Cal
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD078000.D
Acq: 20 Dec 2023 17:16

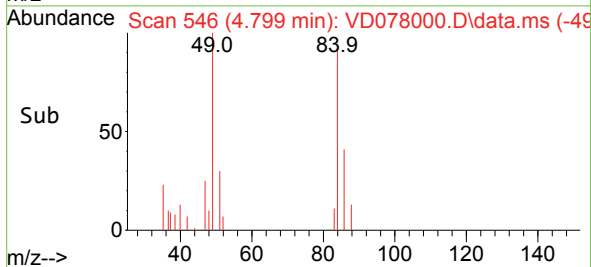
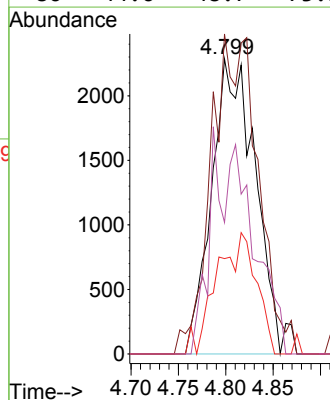
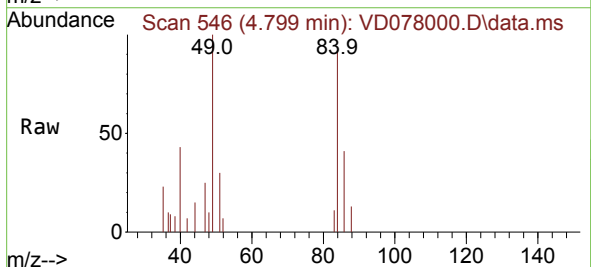
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 2663
Ion Ratio Lower Upper
43 100
58 46.8 34.7 52.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.799 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD078000.D
Acq: 20 Dec 2023 17:16

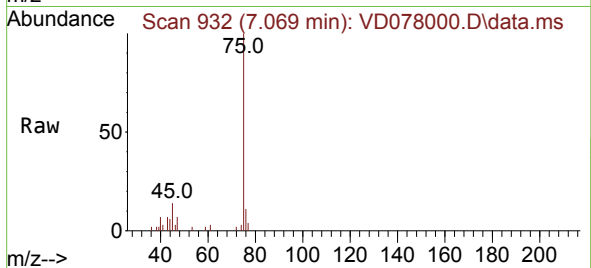
Tgt Ion: 84 Resp: 7230
Ion Ratio Lower Upper
84 100
49 100.3 71.4 107.2
51 32.3 24.5 36.7
86 44.6 48.7 73.1#



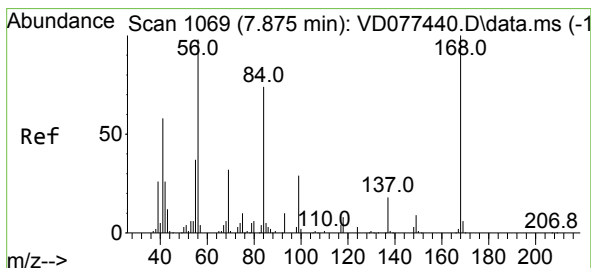
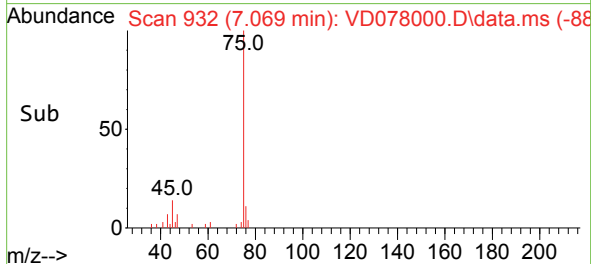
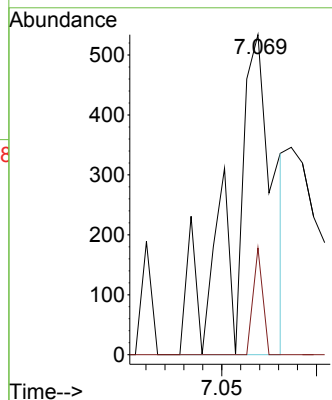


#25
2-Butanone
Concen: Below Cal
RT: 7.069 min Scan# 91
Delta R.T. -0.012 min
Lab File: VD078000.D
Acq: 20 Dec 2023 17:16

Instrument :
MSVOA_D
ClientSampleId :

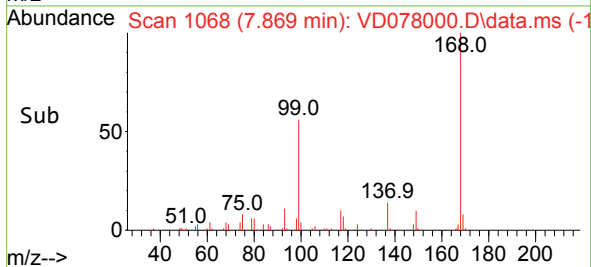
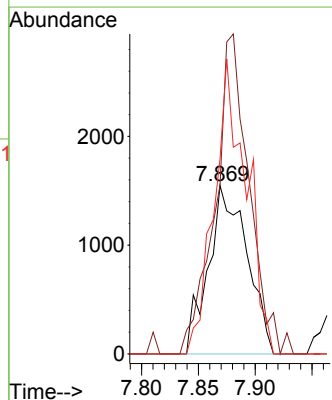
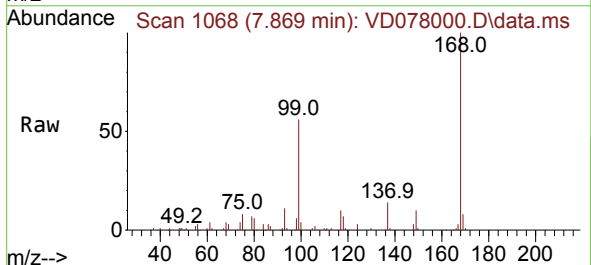


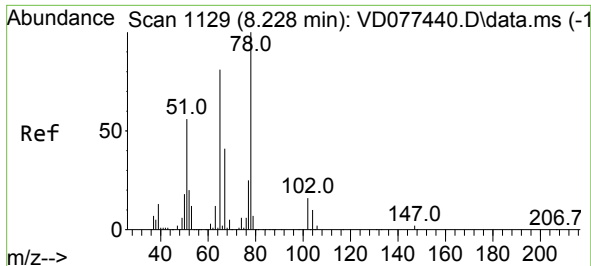
Tgt Ion: 43 Resp: 819
Ion Ratio Lower Upper
43 100
72 33.3 30.7 46.1



#31
Cyclohexane
Concen: 1.084 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD078000.D
Acq: 20 Dec 2023 17:16

Tgt Ion: 56 Resp: 3660
Ion Ratio Lower Upper
56 100
69 100.3 28.6 43.0#
84 126.6 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 40.878 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

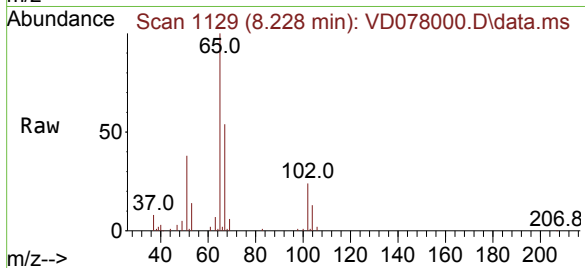
Lab File: VD078000.D

Acq: 20 Dec 2023 17:16

Instrument :

MSVOA_D

ClientSampleId :

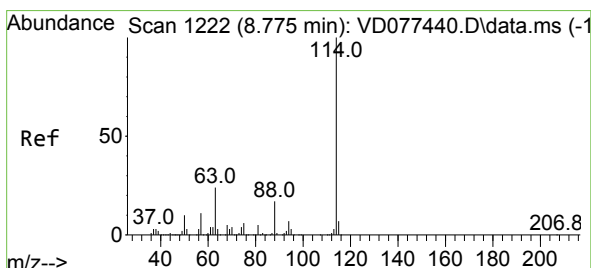
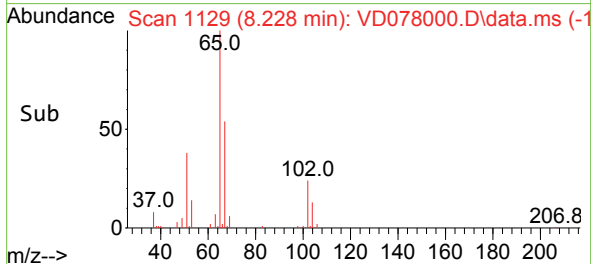
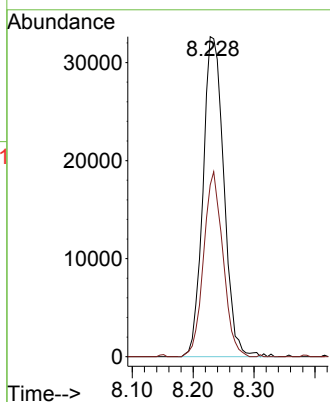


Tgt Ion: 65 Resp: 77584

Ion Ratio Lower Upper

65 100

67 53.7 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: VD078000.D

Acq: 20 Dec 2023 17:16

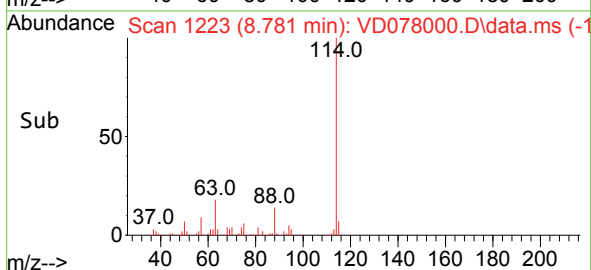
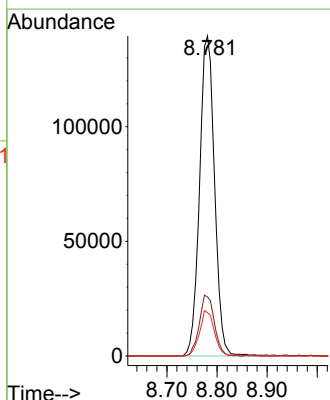
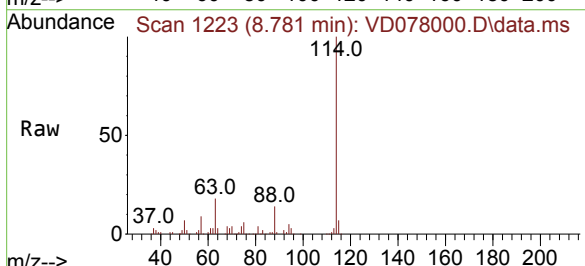
Tgt Ion: 114 Resp: 290803

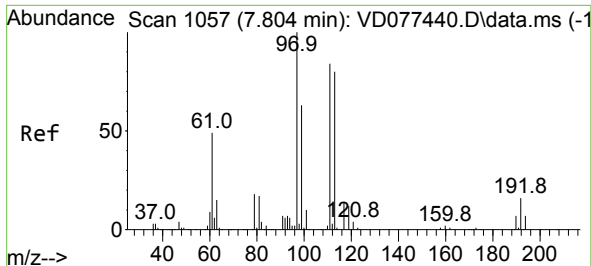
Ion Ratio Lower Upper

114 100

63 18.5 0.0 33.4

88 13.5 0.0 26.2





#35

Dibromofluoromethane

Concen: 42.896 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

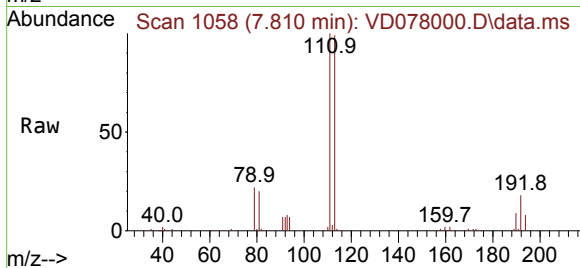
Lab File: VD078000.D

Acq: 20 Dec 2023 17:16

Instrument :

MSVOA_D

ClientSampleId :



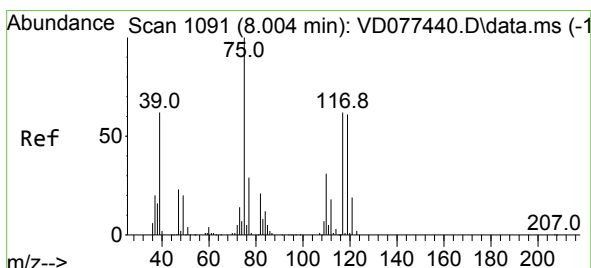
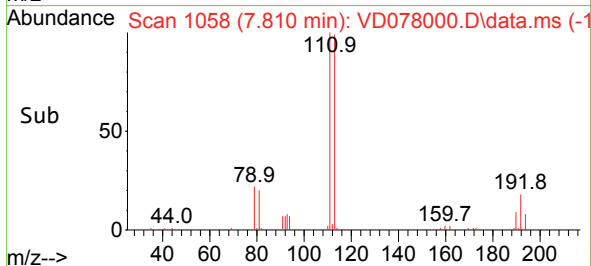
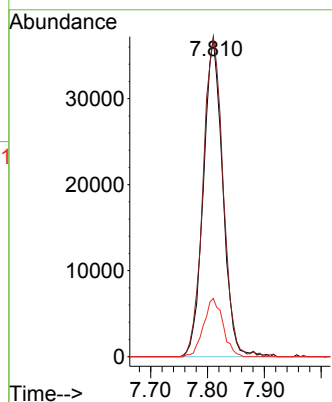
Tgt Ion:113 Resp: 87379

Ion Ratio Lower Upper

113 100

111 103.6 84.7 127.1

192 18.3 16.8 25.2



#36

1,1-Dichloropropene

Concen: 4.201 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.123 min

Lab File: VD078000.D

Acq: 20 Dec 2023 17:16

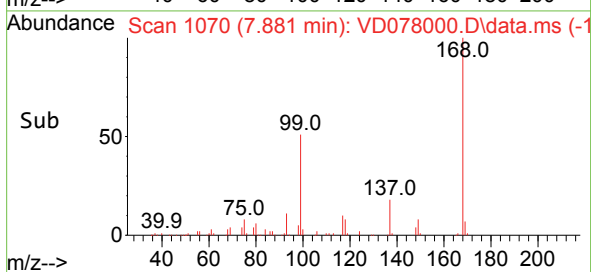
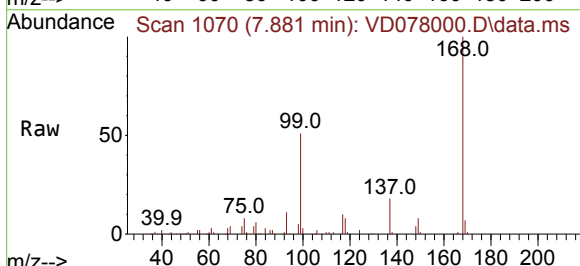
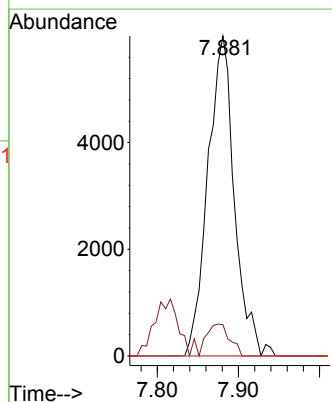
Tgt Ion: 75 Resp: 13689

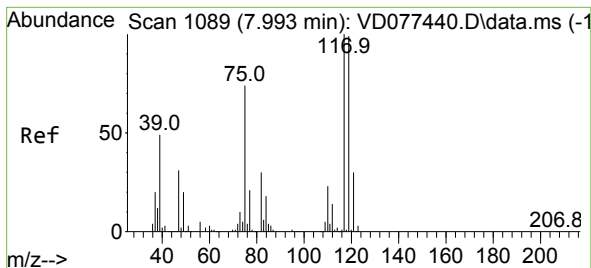
Ion Ratio Lower Upper

75 100

110 8.6 19.9 59.6#

77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 4.947 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.112 min

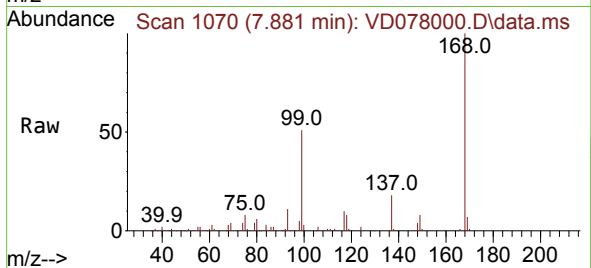
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Acq: 20 Dec 2023 17:16

Instrument :

MSVOA_D

ClientSampleId :



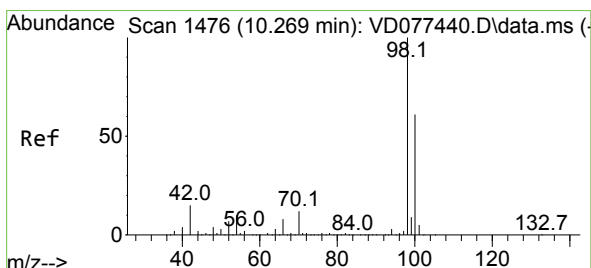
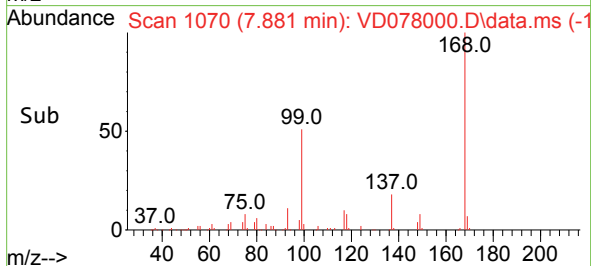
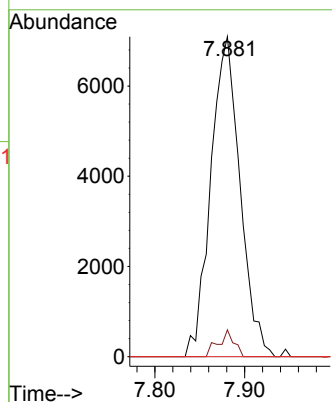
Tgt Ion:117 Resp: 16069

Ion Ratio Lower Upper

117 100

119 8.4 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 43.877 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD078000.D

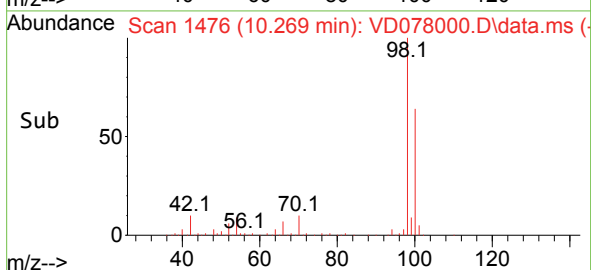
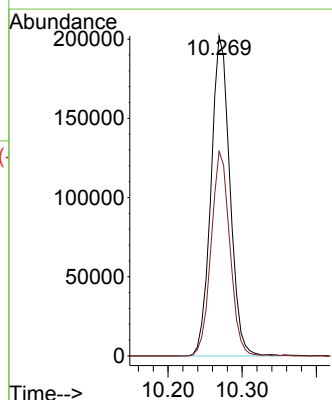
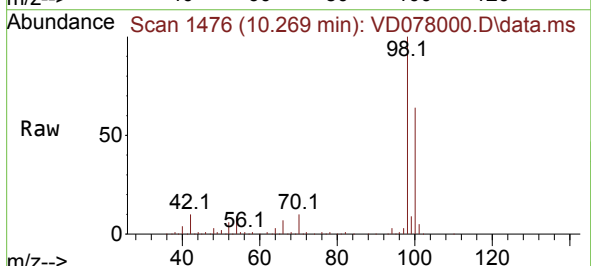
Acq: 20 Dec 2023 17:16

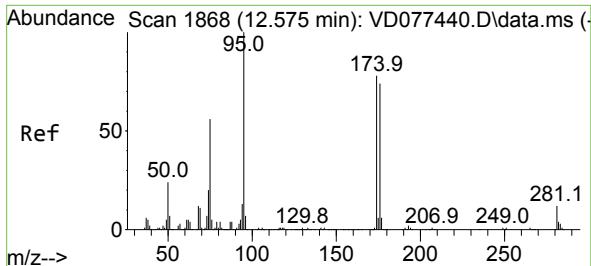
Tgt Ion: 98 Resp: 357968

Ion Ratio Lower Upper

98 100

100 63.5 50.3 75.5

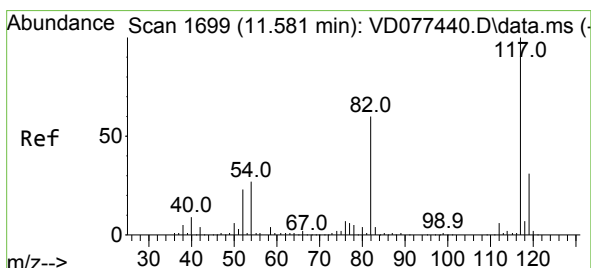
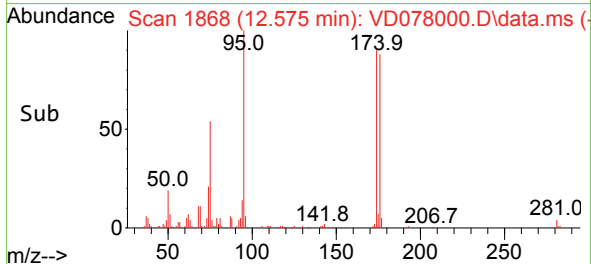
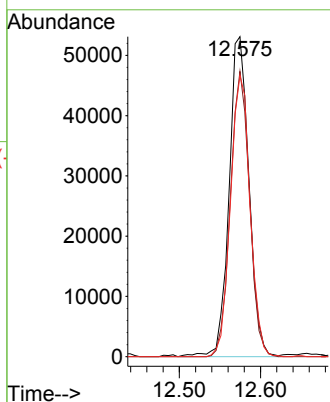
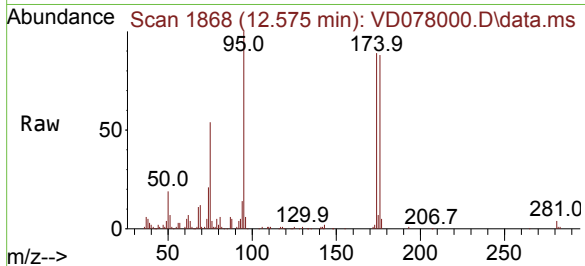




#62
4-Bromofluorobenzene
Concen: 36.973 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078000.D
Acq: 20 Dec 2023 17:16

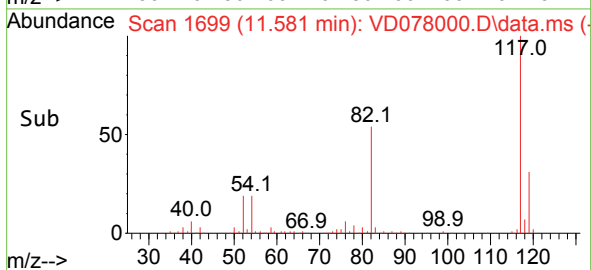
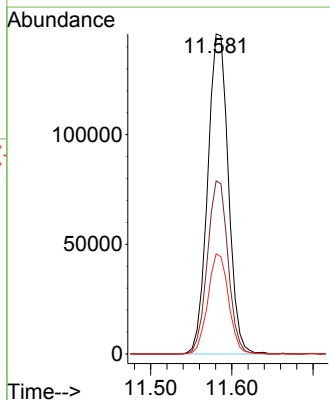
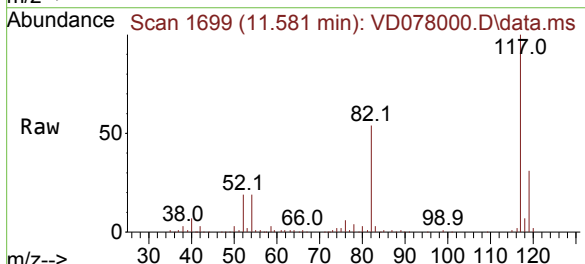
Instrument :
MSVOA_D
ClientSampleId :

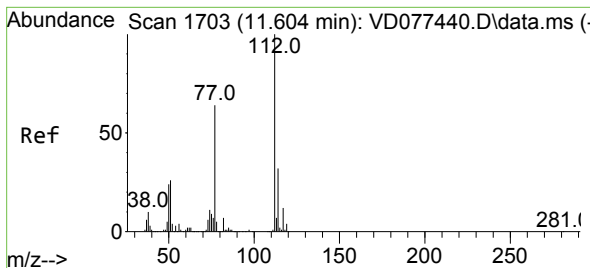
Tgt Ion:	95	Resp:	90182
Ion Ratio	Lower	Upper	
95	100		
174	85.6	0.0	201.8
176	86.4	0.0	191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD078000.D
Acq: 20 Dec 2023 17:16

Tgt Ion:	117	Resp:	257879
Ion Ratio	Lower	Upper	
117	100		
82	54.1	38.3	57.5
119	31.3	25.0	37.4





#65

Chlorobenzene

Concen: Below Cal

RT: 11.604 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD078000.D

Acq: 20 Dec 2023 17:16

Instrument :

MSVOA_D

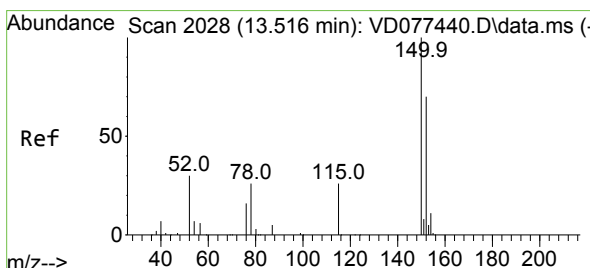
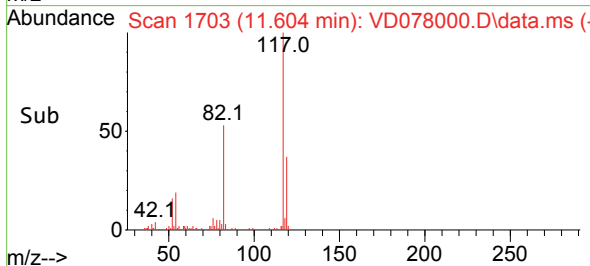
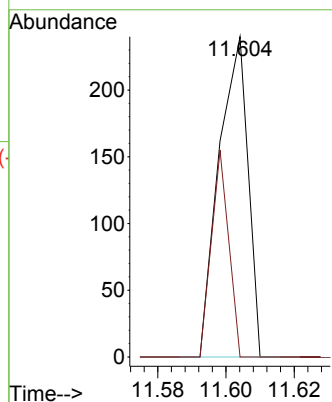
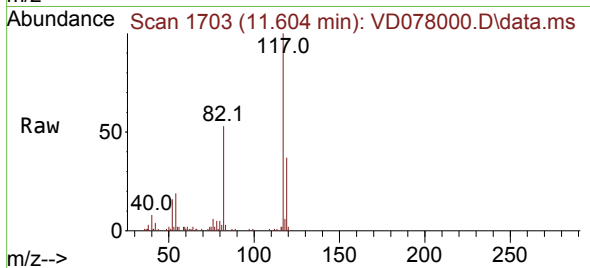
ClientSampleId :

Tgt Ion:112 Resp: 142

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# 2028

Delta R.T. -0.000 min

Lab File: VD078000.D

Acq: 20 Dec 2023 17:16

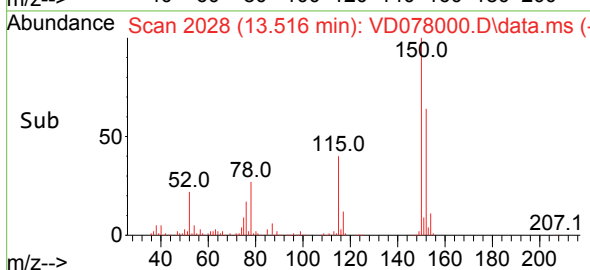
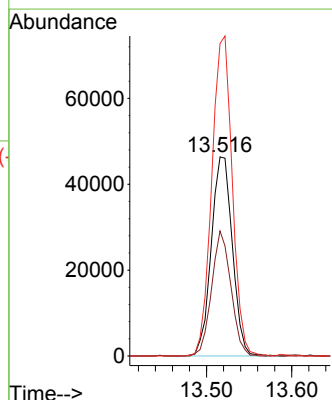
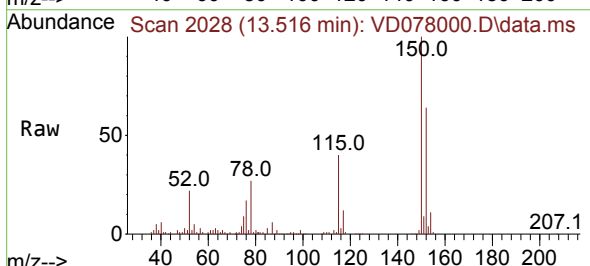
Tgt Ion:152 Resp: 79764

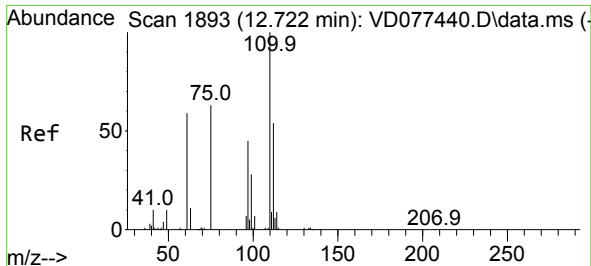
Ion Ratio Lower Upper

152 100

115 57.5 27.1 81.3

150 155.7 0.0 353.6

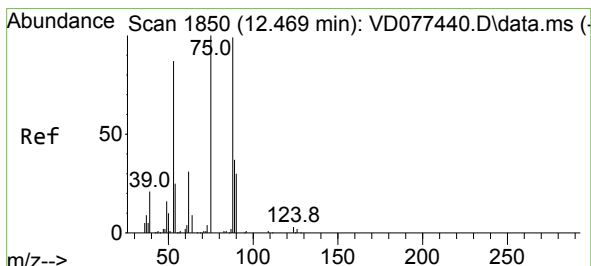
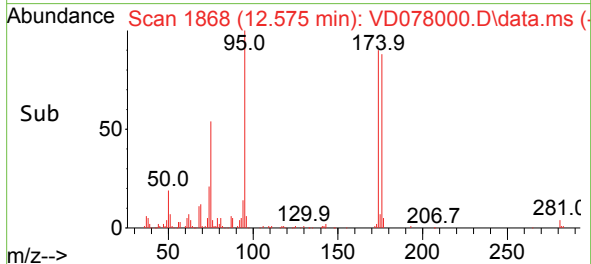
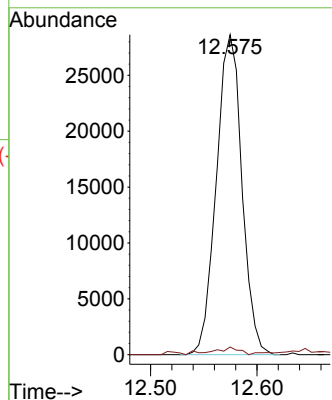
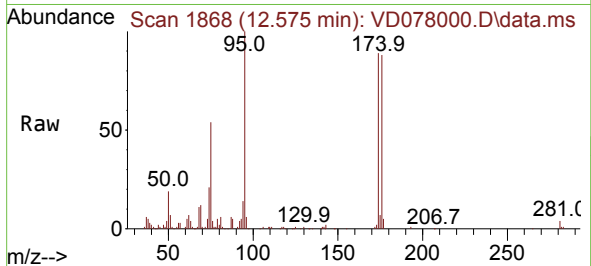




#76
1,2,3-Trichloropropane
Concen: 68.897 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD078000.D
Acq: 20 Dec 2023 17:16

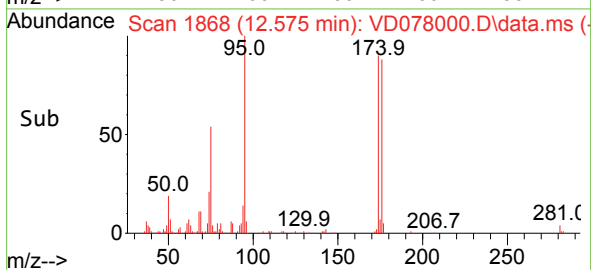
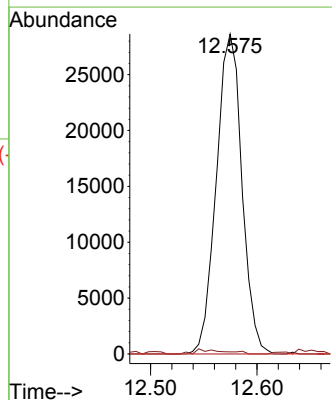
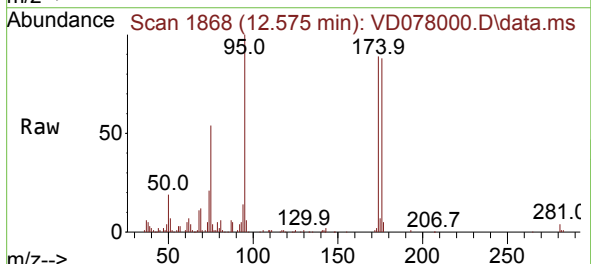
Instrument :
MSVOA_D
ClientSampleId :

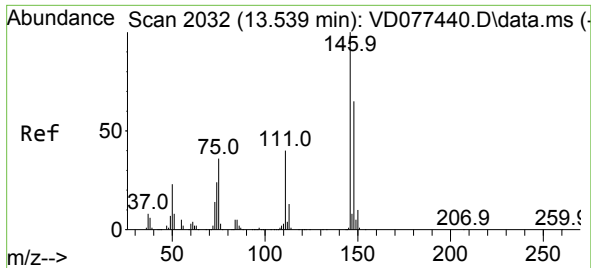
Tgt Ion: 75 Resp: 47729
Ion Ratio Lower Upper
75 100
77 2.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 139.591 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078000.D
Acq: 20 Dec 2023 17:16

Tgt Ion: 75 Resp: 47729
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: 13.522 min Scan# 20

Delta R.T. -0.017 min

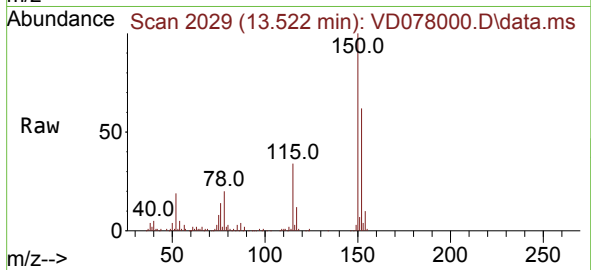
Lab File: VD078000.D

Acq: 20 Dec 2023 17:16

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	146	Resp:	198
Ion Ratio	Lower	Upper	
146	100		
111	1229.8	17.4	52.3#
148	261.6	31.7	95.1#

