

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122023\
 Data File : VD077994.D
 Acq On : 20 Dec 2023 14:35
 Operator : RP/MD
 Sample : 05827-07
 Misc : 5.04G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 21 05:24:19 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)

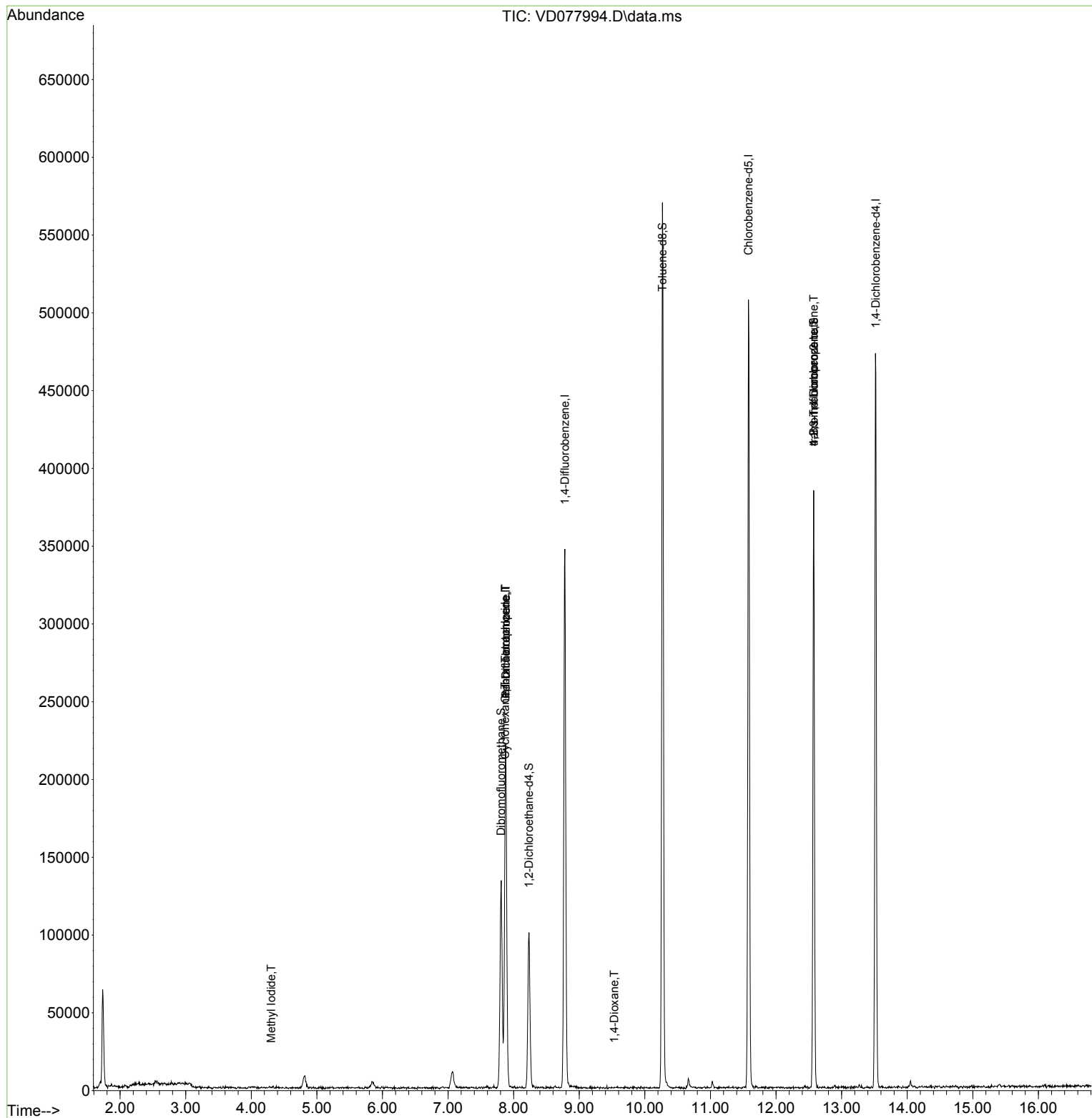
Internal Standards						
1) Pentafluorobenzene	7.881	168	166940	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	308735	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	294407	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	129370	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	78955	40.137	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	80.280%		
35) Dibromofluoromethane	7.810	113	92868	42.943	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	85.880%		
50) Toluene-d8	10.269	98	403860	46.627	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	93.260%		
62) 4-Bromofluorobenzene	12.575	95	111761	43.159	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	86.320%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.305	142	63	6.772	ug/l #	46
11) Tert butyl alcohol	5.058	59	92	Below Cal	#	73
16) Acetone	4.040	43	1352	Below Cal	#	72
20) Methylene Chloride	4.811	84	5874	Below Cal	#	83
25) 2-Butanone	7.075	43	222	Below Cal	#	37
31) Cyclohexane	7.869	56	3903	1.115	ug/l #	62
36) 1,1-Dichloropropene	7.881	75	13713	3.964	ug/l #	48
38) Carbon Tetrachloride	7.875	117	16728	4.851	ug/l #	15
49) 1,4-Dioxane	9.534	88	65	5.184	ug/l #	33
76) 1,2,3-Trichloropropane	12.575	75	59273	52.753	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	59273	106.882	ug/l #	18
88) 1,4-Dichlorobenzene	13.528	146	108	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropr...	14.551	75	56	Below Cal	#	1

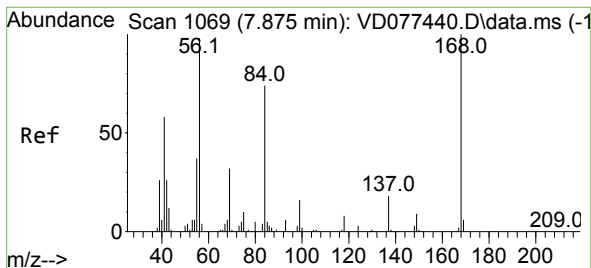
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD077994.D

Acq: 20 Dec 2023 14:35

Instrument :

MSVOA_D

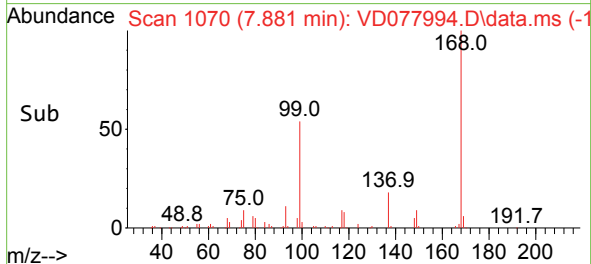
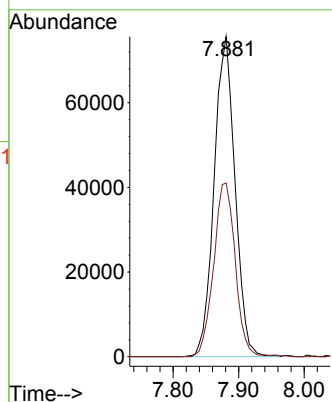
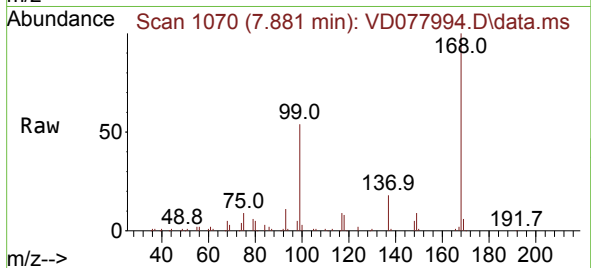
ClientSampleId :

Tgt Ion:168 Resp: 166940

Ion Ratio Lower Upper

168 100

99 54.2 36.7 55.1



#10

Methyl Iodide

Concen: 6.772 ug/l

RT: 4.305 min Scan# 462

Delta R.T. 0.136 min

Lab File: VD077994.D

Acq: 20 Dec 2023 14:35

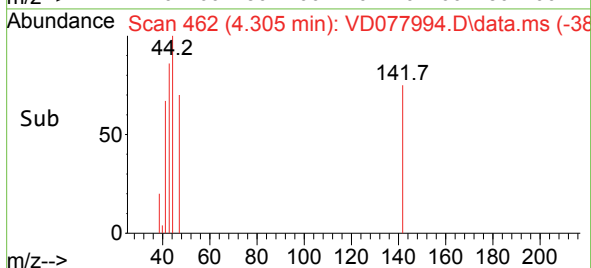
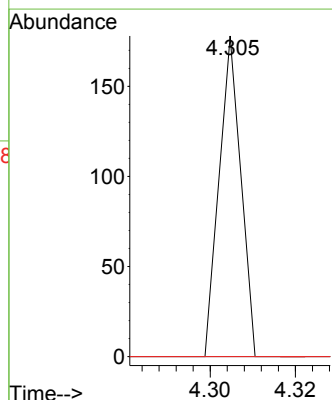
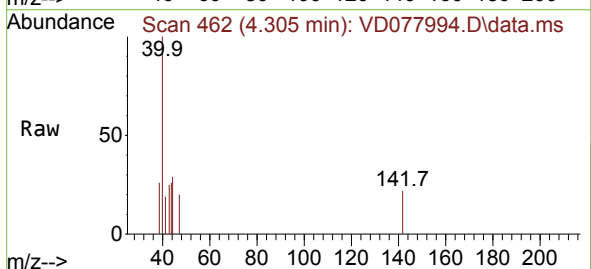
Tgt Ion:142 Resp: 63

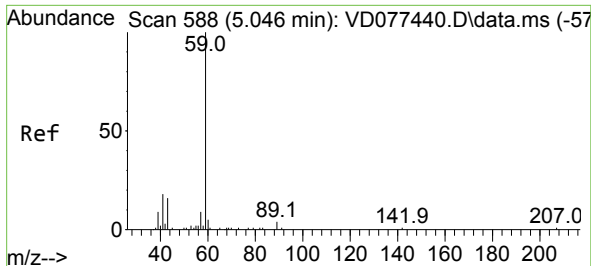
Ion Ratio Lower Upper

142 100

127 0.0 29.4 44.0#

141 0.0 11.1 16.7#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.058 min Scan# 59

Delta R.T. 0.012 min

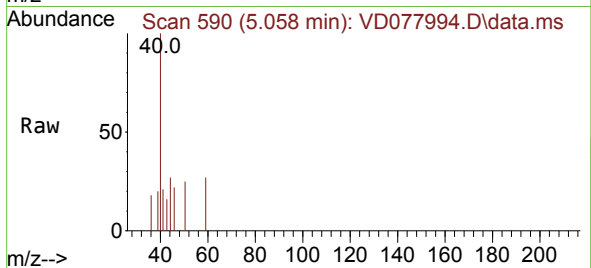
Lab File: VD077994.D

Acq: 20 Dec 2023 14:35

Instrument :

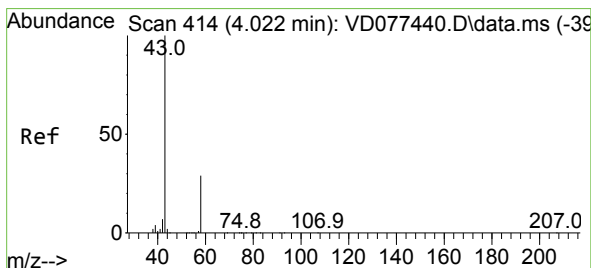
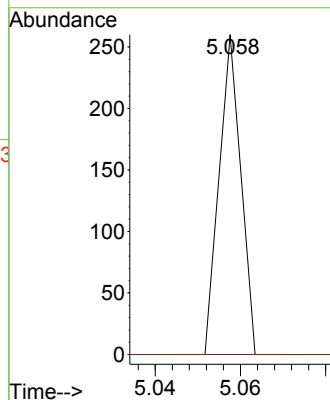
MSVOA_D

ClientSampleId :



Tgt Ion: 59 Resp: 92

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.8#



#16

Acetone

Concen: Below Cal

RT: 4.040 min Scan# 417

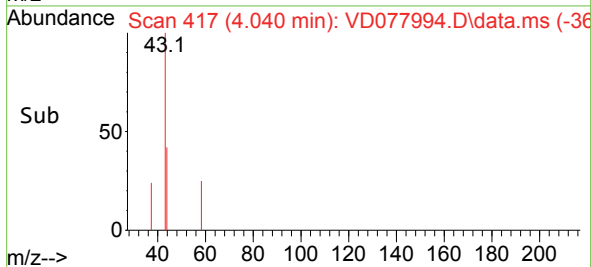
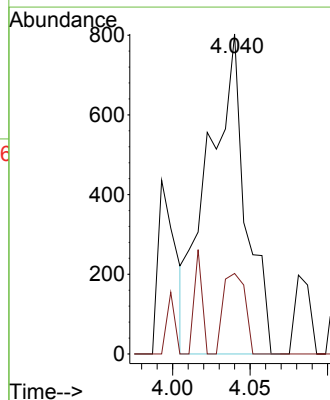
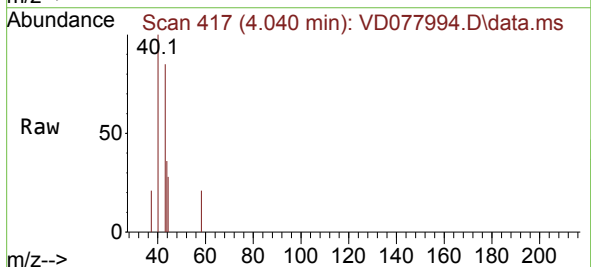
Delta R.T. 0.018 min

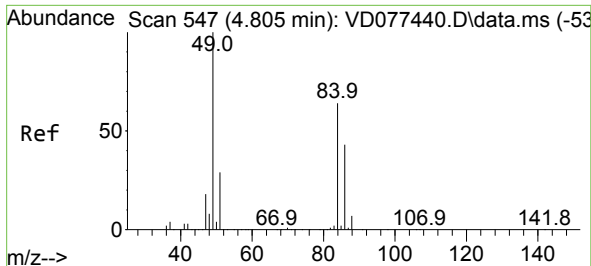
Lab File: VD077994.D

Acq: 20 Dec 2023 14:35

Tgt Ion: 43 Resp: 1352

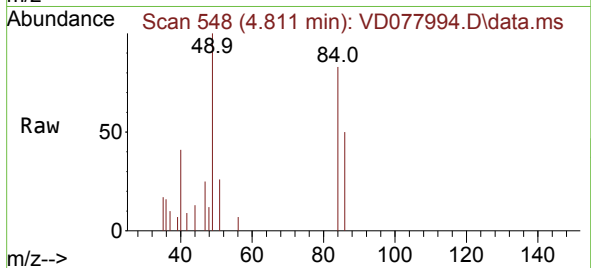
Ion	Ratio	Lower	Upper
43	100		
58	25.2	34.7	52.1#



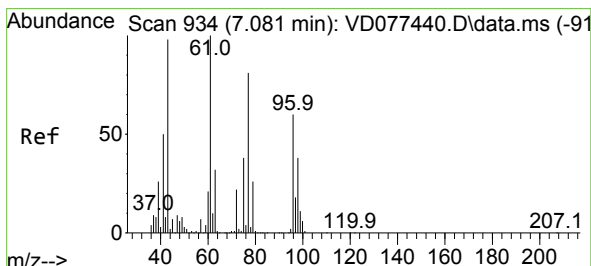
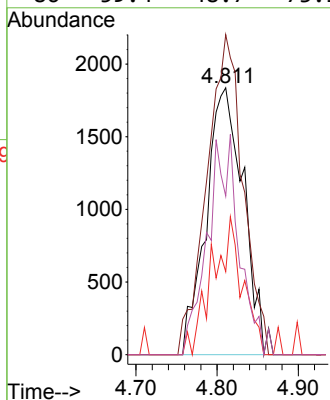
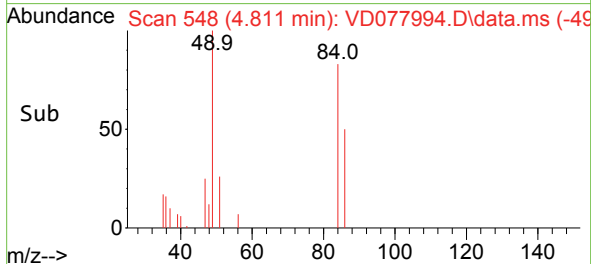


#20
Methylene Chloride
Concen: Below Cal
RT: 4.811 min Scan# 547
Delta R.T. 0.006 min
Lab File: VD077994.D
Acq: 20 Dec 2023 14:35

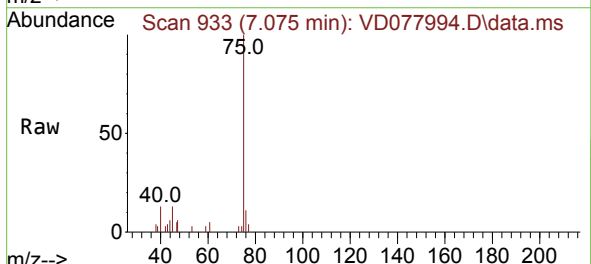
Instrument :
MSVOA_D
ClientSampleId :



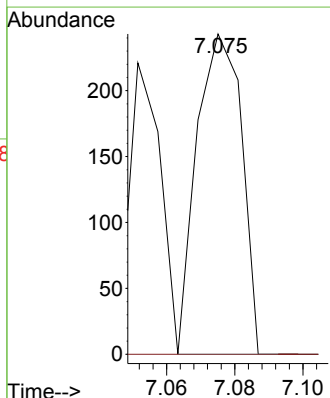
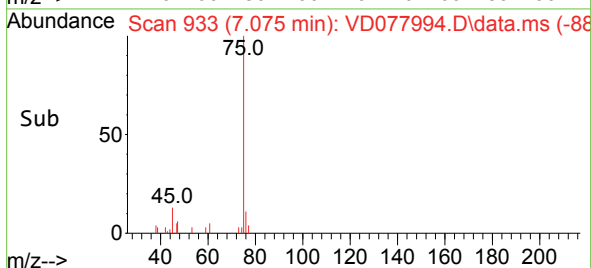
Tgt Ion: 84 Resp: 5874
Ion Ratio Lower Upper
84 100
49 119.9 71.4 107.2#
51 31.1 24.5 36.7
86 59.4 48.7 73.1

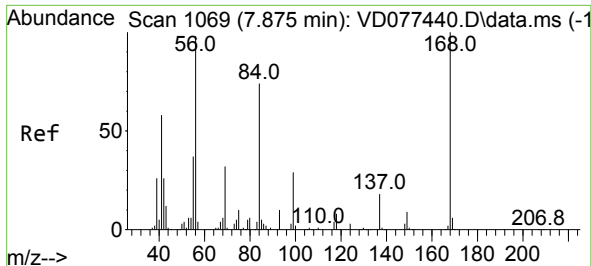


#25
2-Butanone
Concen: Below Cal
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD077994.D
Acq: 20 Dec 2023 14:35



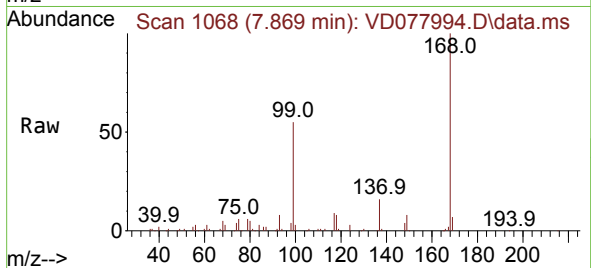
Tgt Ion: 43 Resp: 222
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



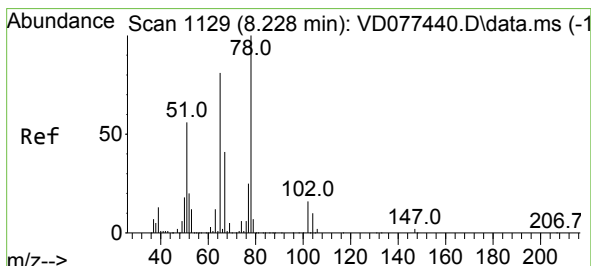
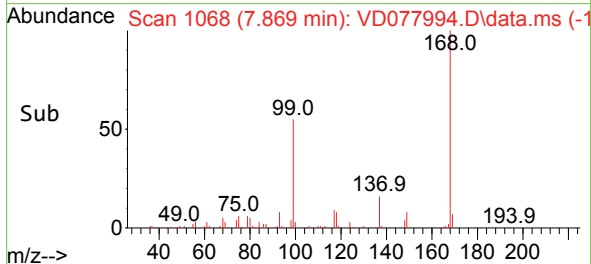
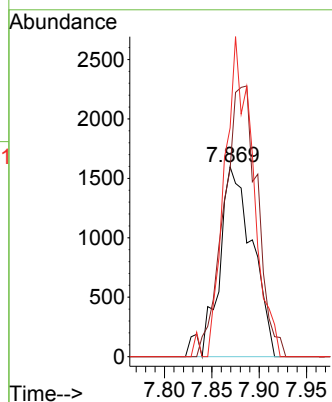


#31
Cyclohexane
Concen: 1.115 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD077994.D
Acq: 20 Dec 2023 14:35

Instrument :
MSVOA_D
ClientSampleId :

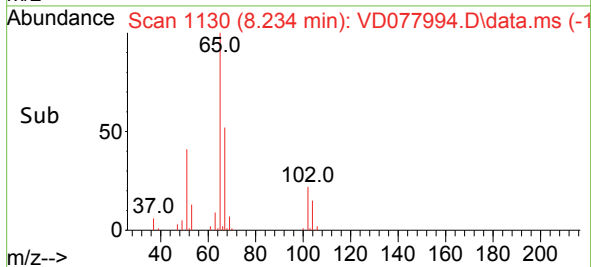
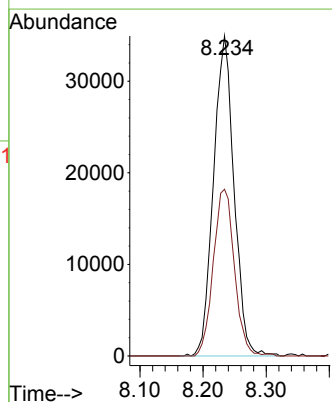
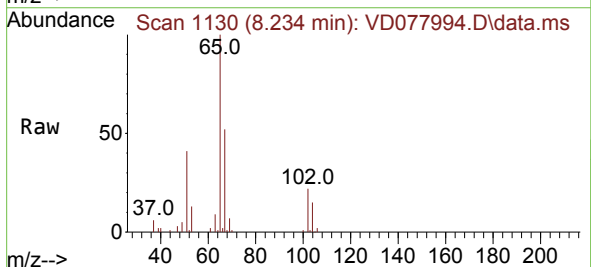


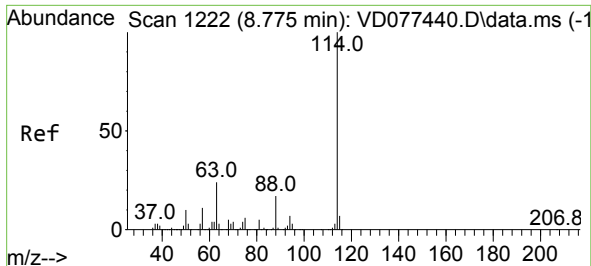
Tgt Ion: 56 Resp: 3903
Ion Ratio Lower Upper
56 100
69 98.9 28.6 43.0#
84 120.6 84.8 127.2



#33
1,2-Dichloroethane-d4
Concen: 40.137 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077994.D
Acq: 20 Dec 2023 14:35

Tgt Ion: 65 Resp: 78955
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# 11

Delta R.T. 0.006 min

Lab File: VD077994.D

Acq: 20 Dec 2023 14:35

Instrument :

MSVOA_D

ClientSampleId :

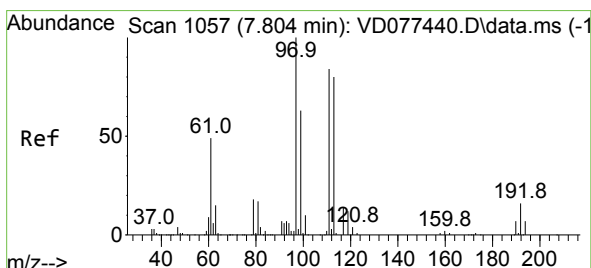
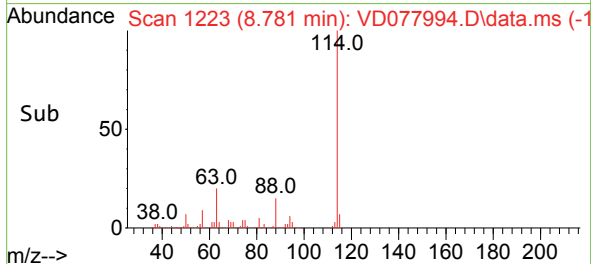
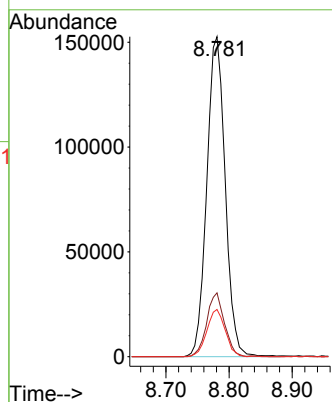
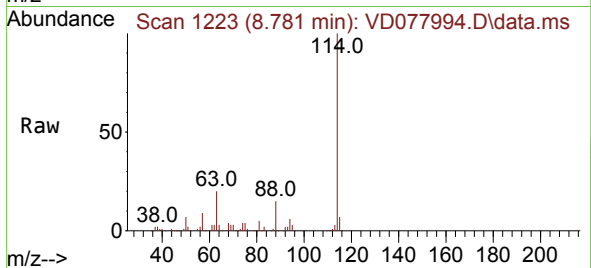
Tgt Ion:114 Resp: 308735

Ion Ratio Lower Upper

114 100

63 20.0 0.0 33.4

88 14.7 0.0 26.2



#35

Dibromofluoromethane

Concen: 42.943 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077994.D

Acq: 20 Dec 2023 14:35

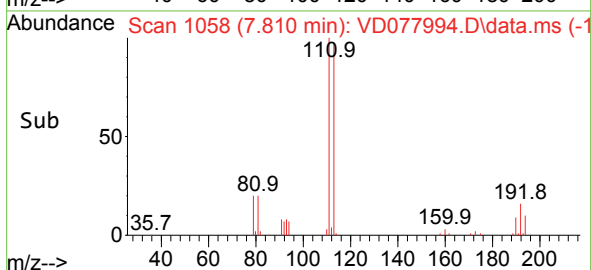
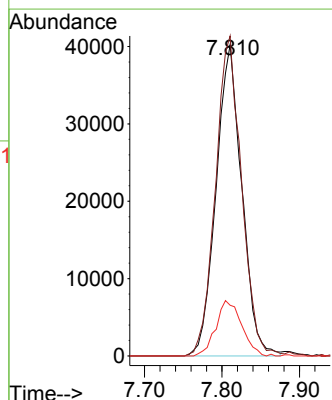
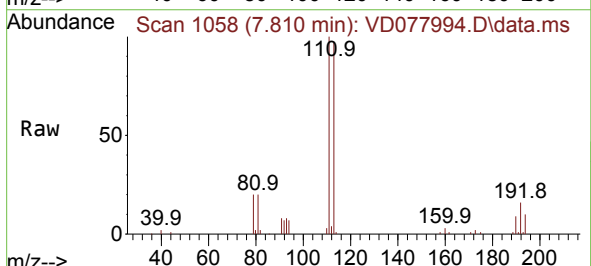
Tgt Ion:113 Resp: 92868

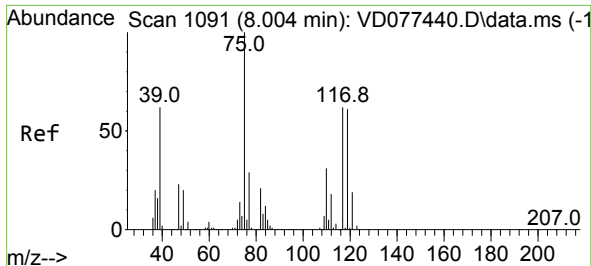
Ion Ratio Lower Upper

113 100

111 103.9 84.7 127.1

192 17.8 16.8 25.2





#36

1,1-Dichloropropene

Concen: 3.964 ug/l

RT: 7.881 min Scan# 1069

Delta R.T. -0.123 min

Lab File: VD077994.D

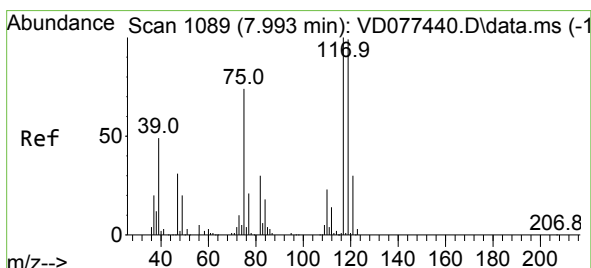
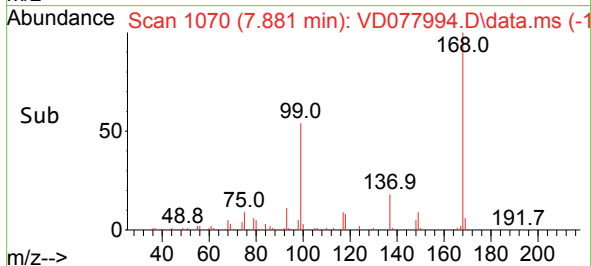
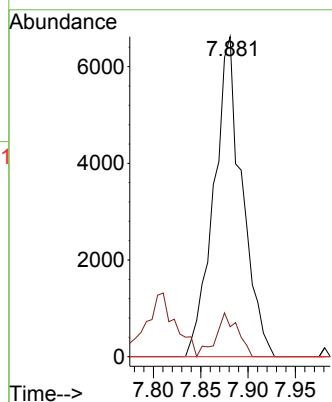
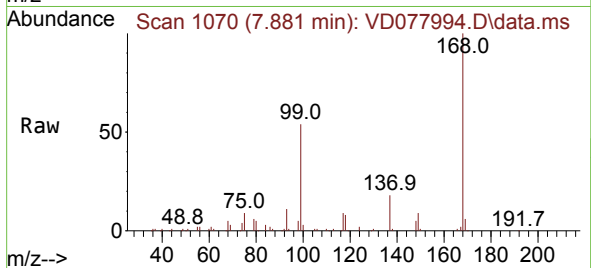
Acq: 20 Dec 2023 14:35

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	75	Resp:	13713
Ion	Ratio	Lower	Upper
75	100		
110	9.4	19.9	59.6#
77	0.0	24.7	37.1#



#38

Carbon Tetrachloride

Concen: 4.851 ug/l

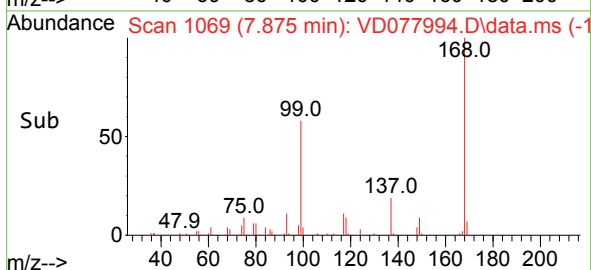
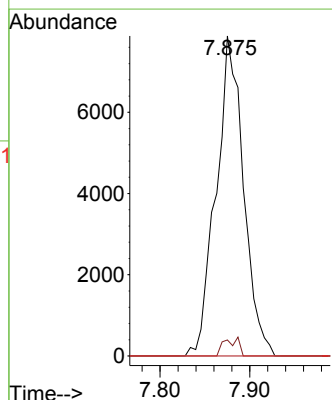
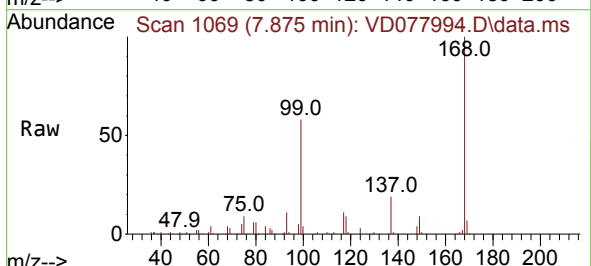
RT: 7.875 min Scan# 1069

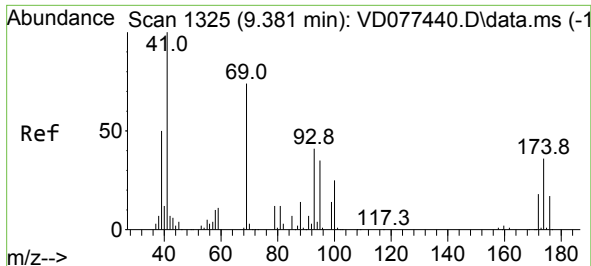
Delta R.T. -0.118 min

Lab File: VD077994.D

Acq: 20 Dec 2023 14:35

Tgt Ion:	117	Resp:	16728
Ion	Ratio	Lower	Upper
117	100		
119	5.0	78.0	117.0#
121	0.0	24.2	36.2#





#49

1,4-Dioxane

Concen: 5.184 ug/l

RT: 9.534 min Scan# 11

Delta R.T. 0.153 min

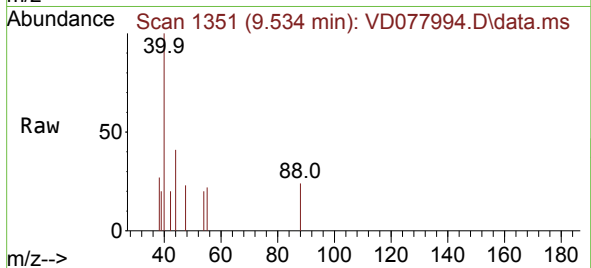
Lab File: VD077994.D

Acq: 20 Dec 2023 14:35

Instrument :

MSVOA_D

ClientSampleId :



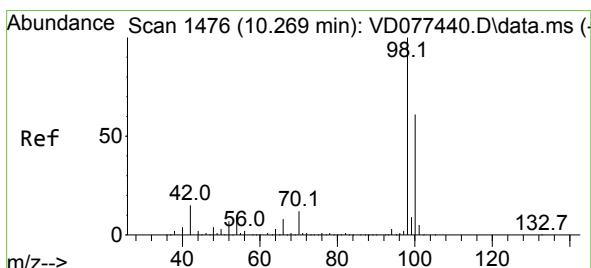
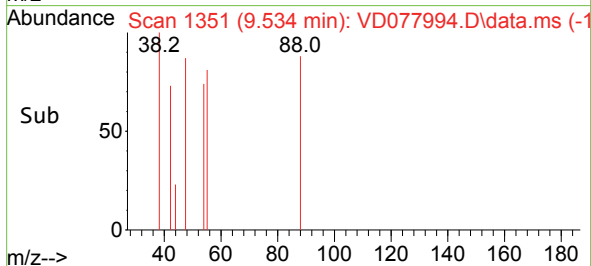
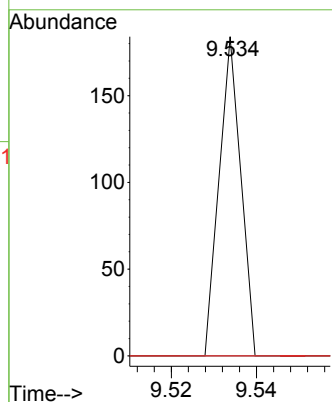
Tgt Ion: 88 Resp: 65

Ion Ratio Lower Upper

88 100

43 0.0 19.0 28.6#

58 0.0 43.5 65.3#



#50

Toluene-d8

Concen: 46.627 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077994.D

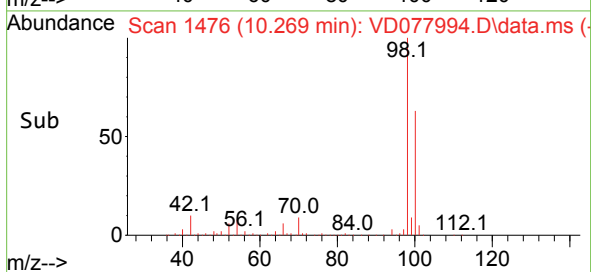
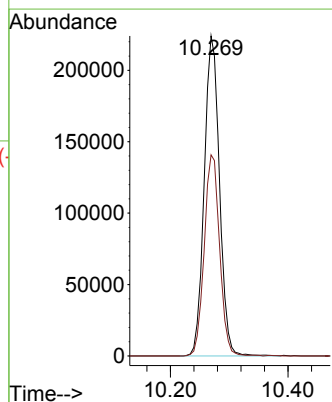
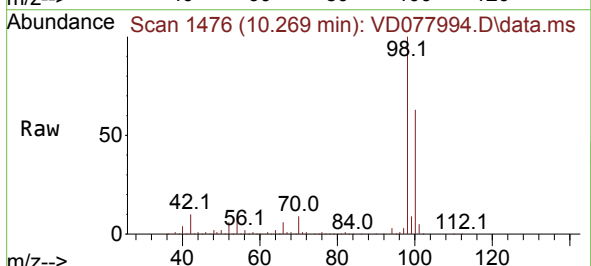
Acq: 20 Dec 2023 14:35

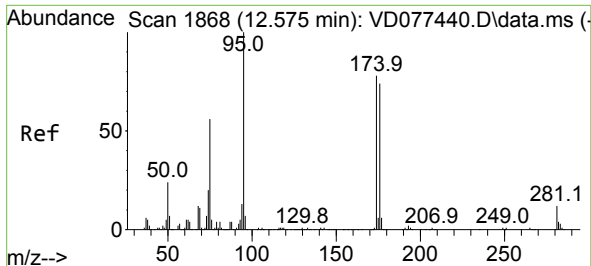
Tgt Ion: 98 Resp: 403860

Ion Ratio Lower Upper

98 100

100 63.2 50.3 75.5

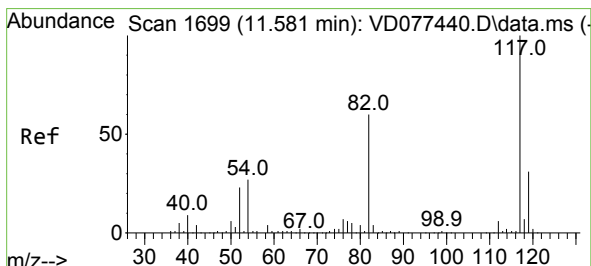
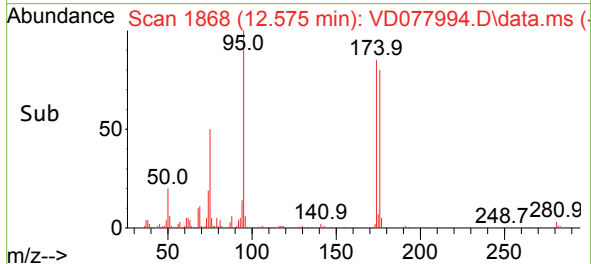
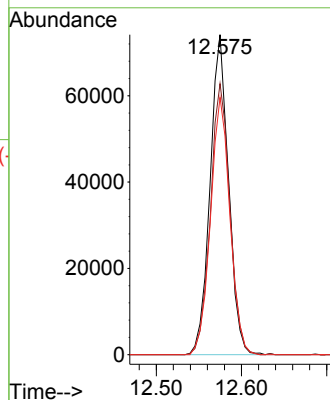
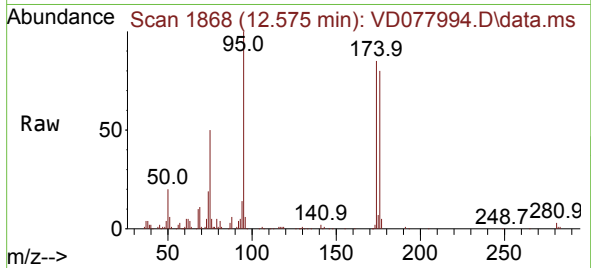




#62
4-Bromofluorobenzene
Concen: 43.159 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077994.D
Acq: 20 Dec 2023 14:35

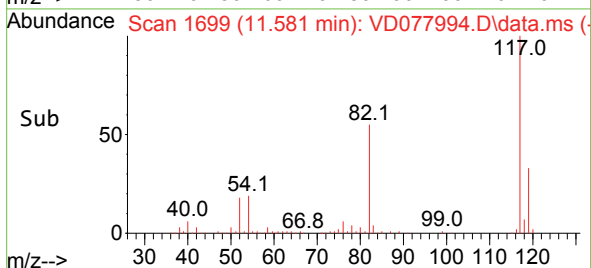
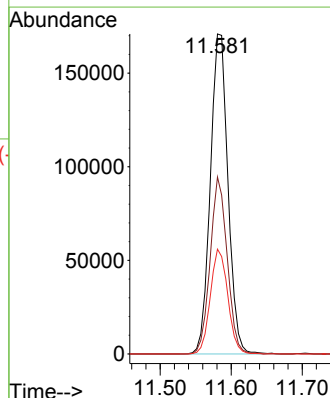
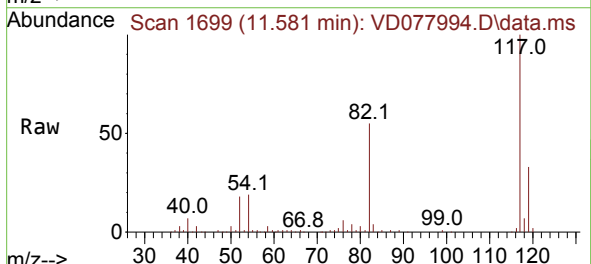
Instrument :
MSVOA_D
ClientSampleId :

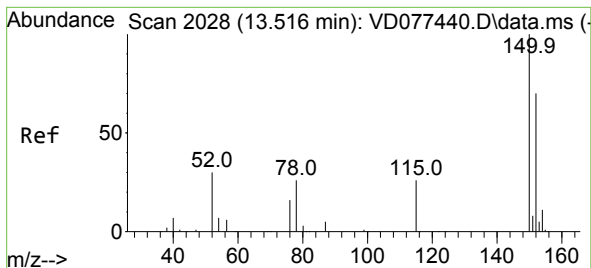
Tgt Ion: 95 Resp: 111761
Ion Ratio Lower Upper
95 100
174 89.1 0.0 201.8
176 84.4 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077994.D
Acq: 20 Dec 2023 14:35

Tgt Ion: 117 Resp: 294407
Ion Ratio Lower Upper
117 100
82 55.3 38.3 57.5
119 32.7 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 20

Delta R.T. 0.006 min

Lab File: VD077994.D

Acq: 20 Dec 2023 14:35

Instrument :

MSVOA_D

ClientSampleId :

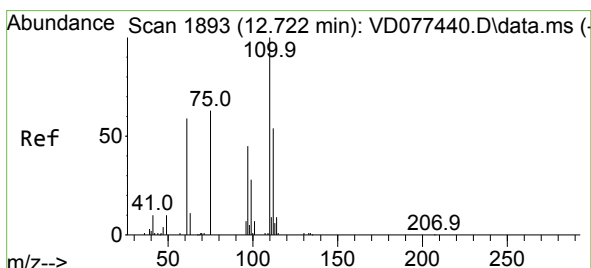
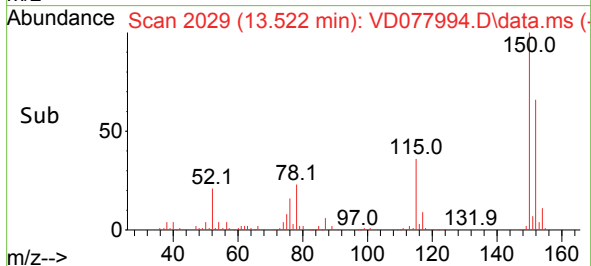
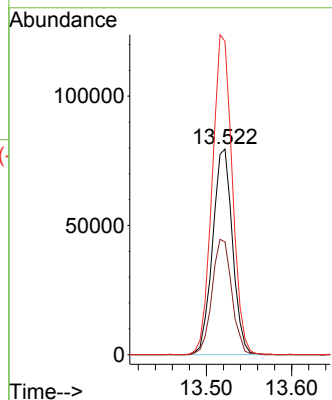
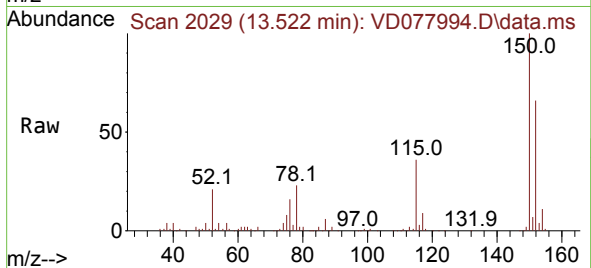
Tgt Ion:152 Resp: 129370

Ion Ratio Lower Upper

152 100

115 55.8 27.1 81.3

150 156.6 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 52.753 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD077994.D

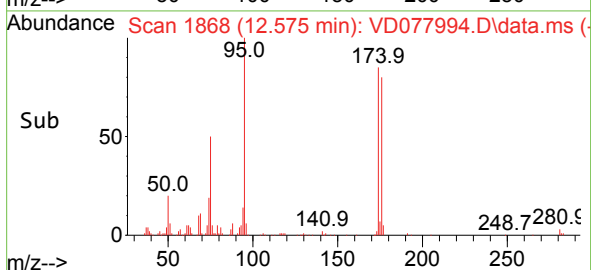
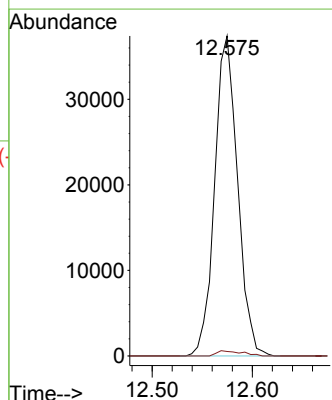
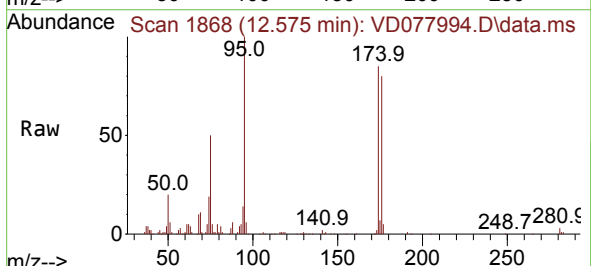
Acq: 20 Dec 2023 14:35

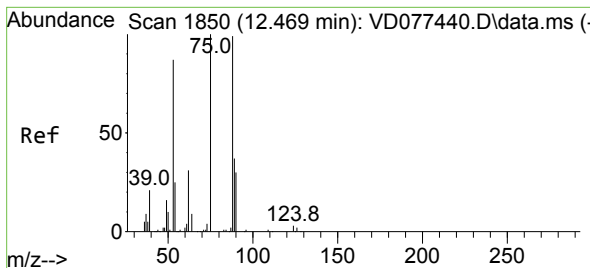
Tgt Ion: 75 Resp: 59273

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#

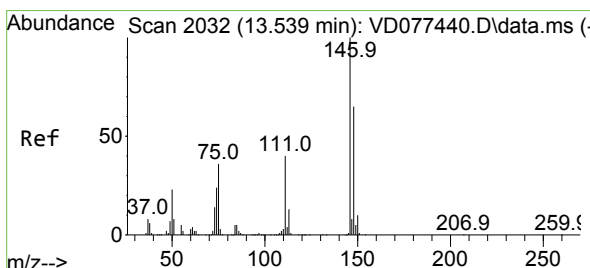
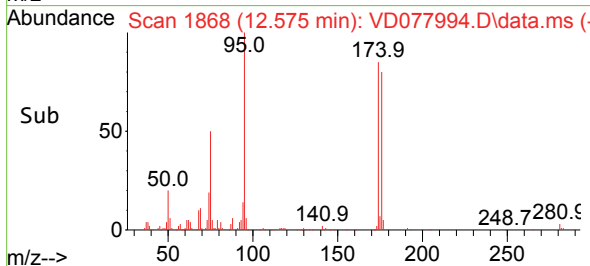
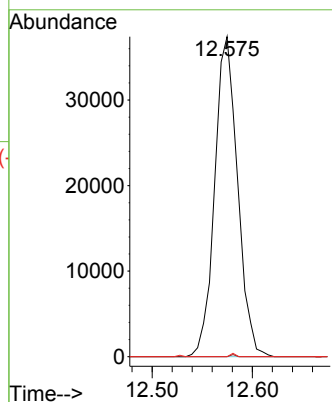
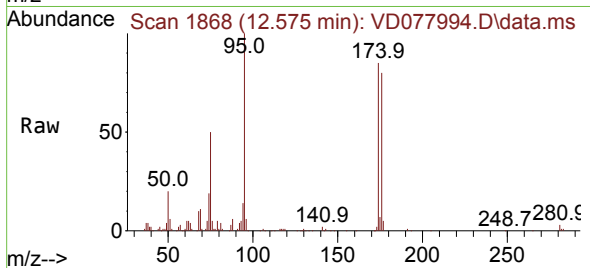




#81
trans-1,4-Dichloro-2-butene
Concen: 106.882 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077994.D
Acq: 20 Dec 2023 14:35

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 59273
Ion Ratio Lower Upper
75 100
53 0.1 63.0 94.4#
89 0.2 37.9 56.9#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.528 min Scan# 2030
Delta R.T. -0.011 min
Lab File: VD077994.D
Acq: 20 Dec 2023 14:35

Tgt Ion:146 Resp: 108
Ion Ratio Lower Upper
146 100
111 1446.3 17.4 52.3#
148 962.0 31.7 95.1#

