

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092023\
 Data File : VD077164.D
 Acq On : 20 Sep 2023 13:57
 Operator : JC/SY
 Sample : 04493-01
 Misc : 5.04G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 21 02:23:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091823S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 19 04:46:37 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

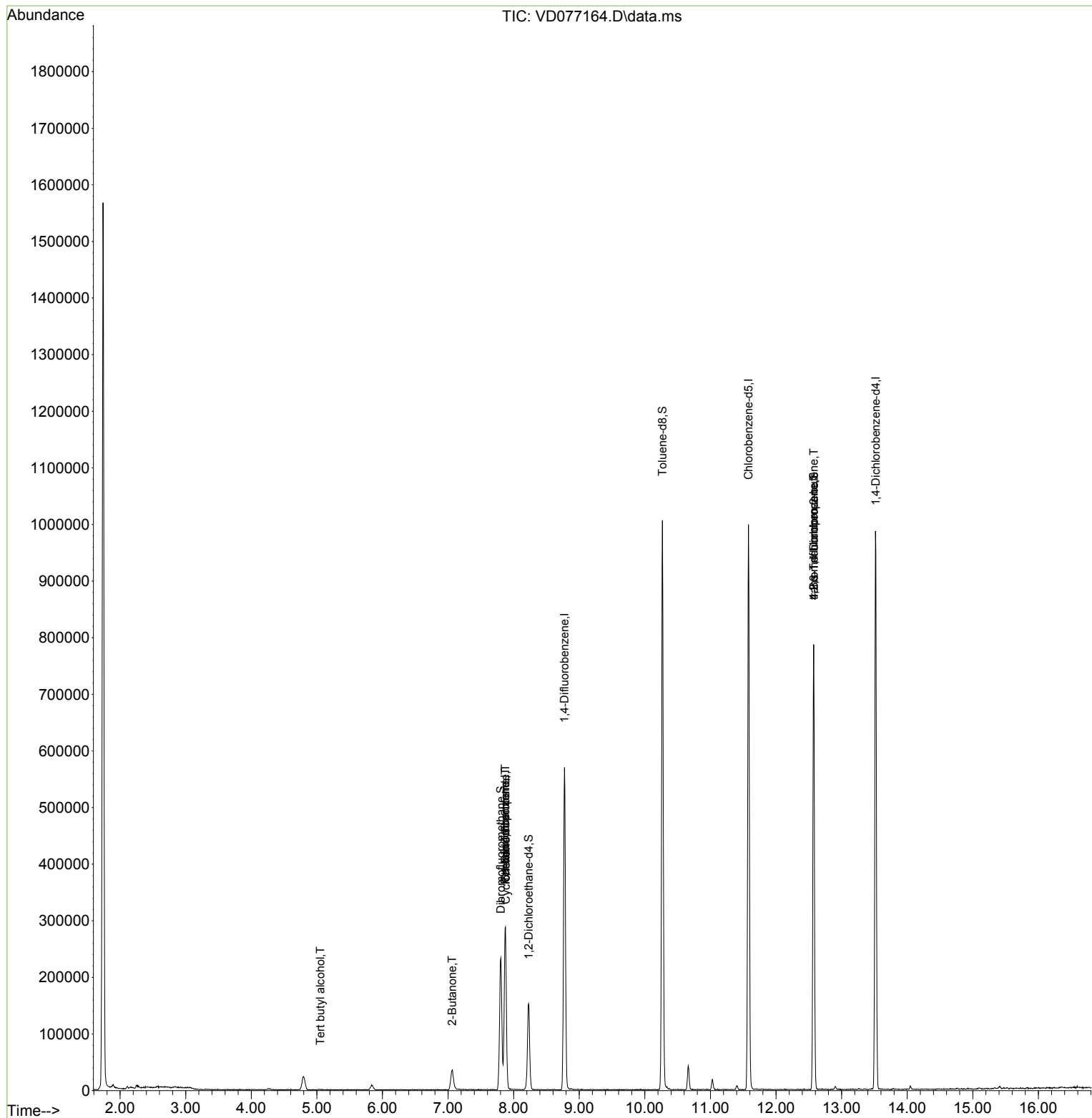
Internal Standards						
1) Pentafluorobenzene	7.869	168	228884	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	537497	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	608453	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	277160	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	119467	51.719	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.440%	
35) Dibromofluoromethane	7.805	113	173529	46.480	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 92.960%	
50) Toluene-d8	10.269	98	692282	52.095	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.200%	
62) 4-Bromofluorobenzene	12.575	95	233106	56.596	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 113.200%	
Target Compounds						Qvalue
11) Tert butyl alcohol	5.052	59	378	2.870	ug/l #	73
20) Methylene Chloride	4.805	84	19518	Below Cal		95
25) 2-Butanone	7.063	43	1645	2.368	ug/l #	72
31) Cyclohexane	7.881	56	4345	1.075	ug/l #	30
36) 1,1-Dichloropropene	7.875	75	17673	3.143	ug/l #	42
38) Carbon Tetrachloride	7.875	117	22597	4.089	ug/l #	16
76) 1,2,3-Trichloropropane	12.575	75	120691	54.591	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	120691	103.329	ug/l #	17

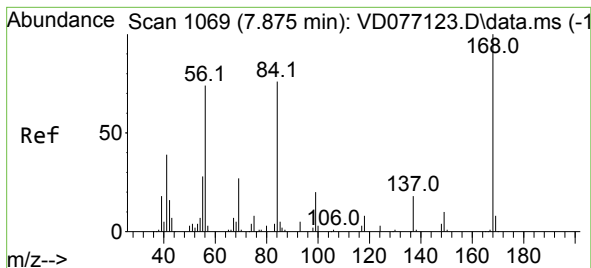
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.006 min

Lab File: VD077164.D

Acq: 20 Sep 2023 13:57

Instrument :

MSVOA_D

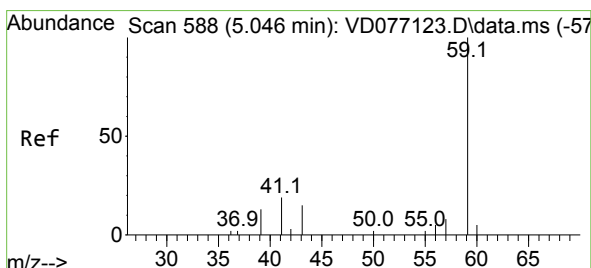
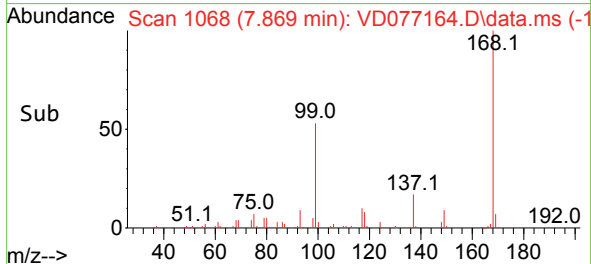
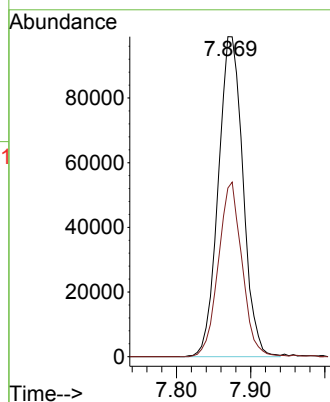
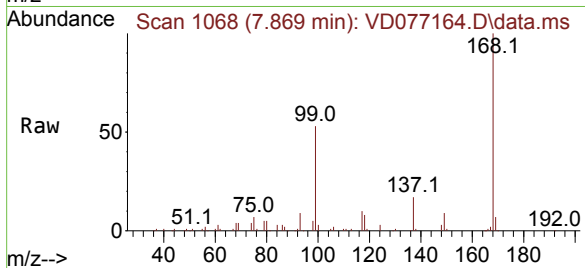
ClientSampleId :

Tgt Ion:168 Resp: 228884

Ion Ratio Lower Upper

168 100

99 52.7 36.7 55.1



#11

Tert butyl alcohol

Concen: 2.870 ug/l

RT: 5.052 min Scan# 589

Delta R.T. 0.006 min

Lab File: VD077164.D

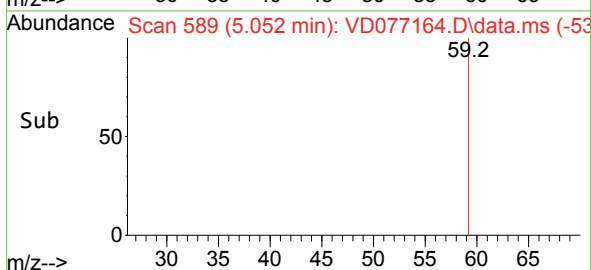
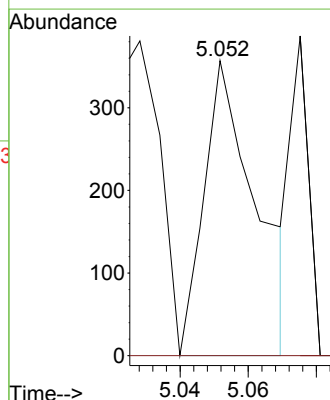
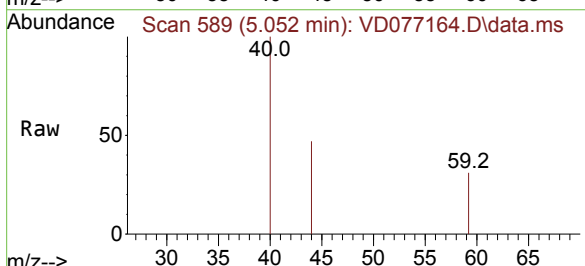
Acq: 20 Sep 2023 13:57

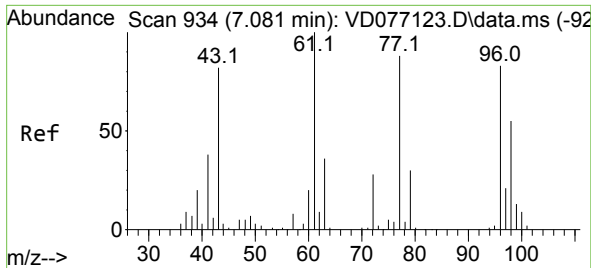
Tgt Ion: 59 Resp: 378

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

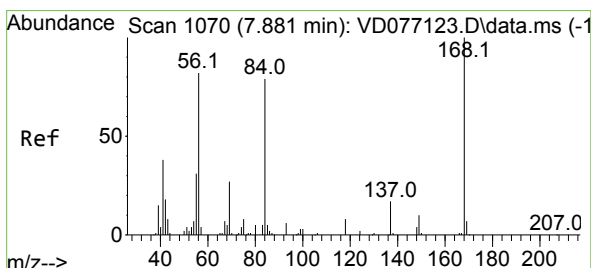
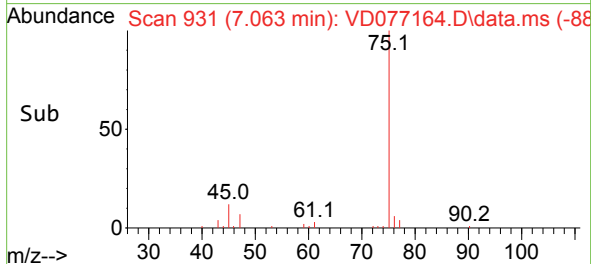
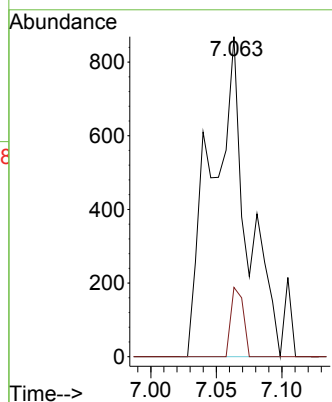
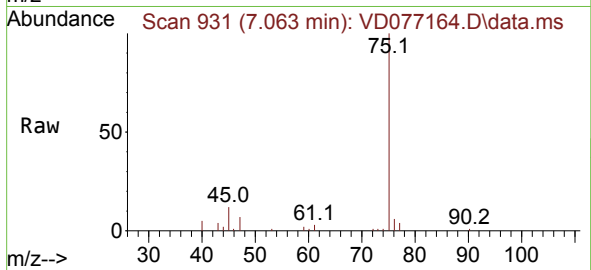




#25
2-Butanone
Concen: 2.368 ug/l
RT: 7.063 min Scan# 91
Delta R.T. -0.018 min
Lab File: VD077164.D
Acq: 20 Sep 2023 13:57

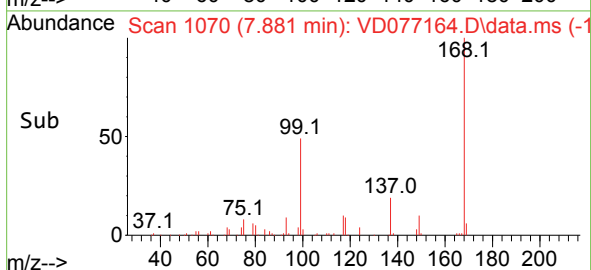
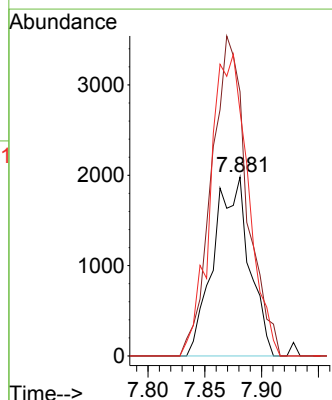
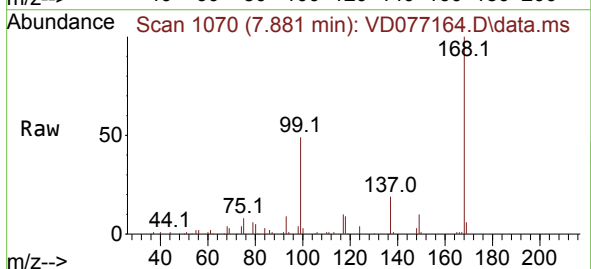
Instrument :
MSVOA_D
ClientSampleId :

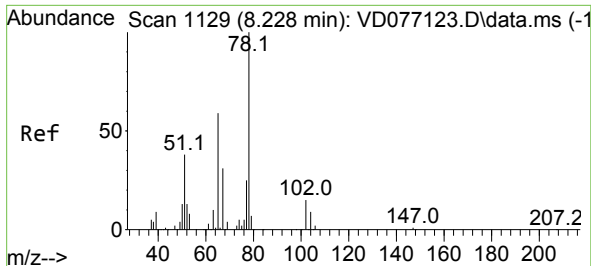
Tgt Ion: 43 Resp: 1645
Ion Ratio Lower Upper
43 100
72 21.6 30.7 46.1#



#31
Cyclohexane
Concen: 1.075 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VD077164.D
Acq: 20 Sep 2023 13:57

Tgt Ion: 56 Resp: 4345
Ion Ratio Lower Upper
56 100
69 147.7 28.6 43.0#
84 136.7 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 51.719 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD077164.D

Acq: 20 Sep 2023 13:57

Instrument :

MSVOA_D

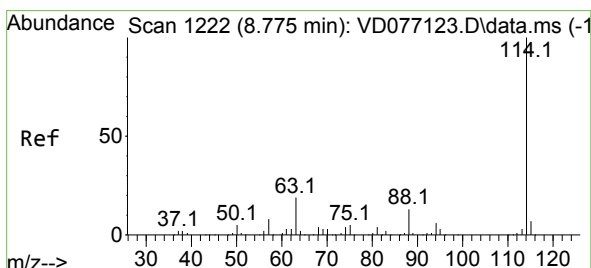
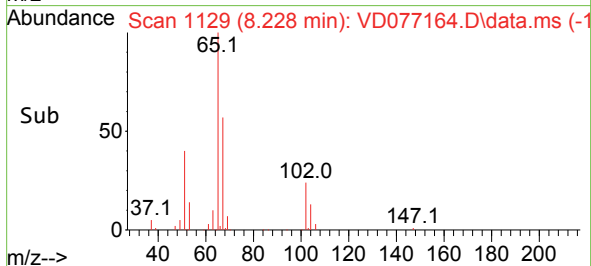
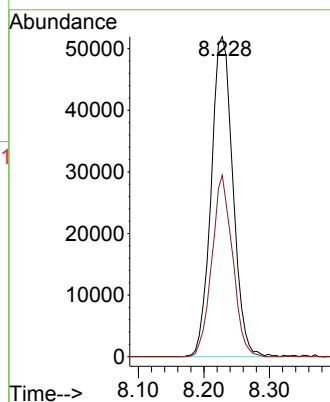
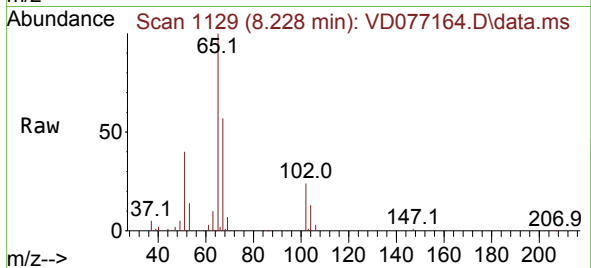
ClientSampleId :

Tgt Ion: 65 Resp: 119467

Ion Ratio Lower Upper

65 100

67 53.9 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD077164.D

Acq: 20 Sep 2023 13:57

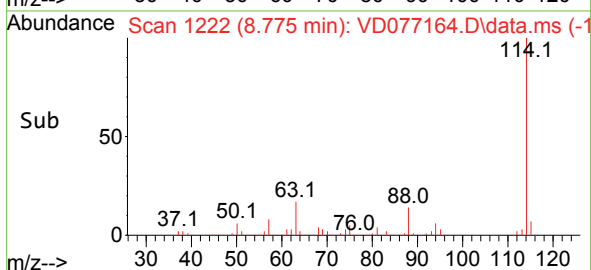
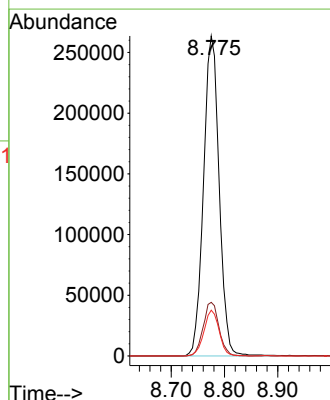
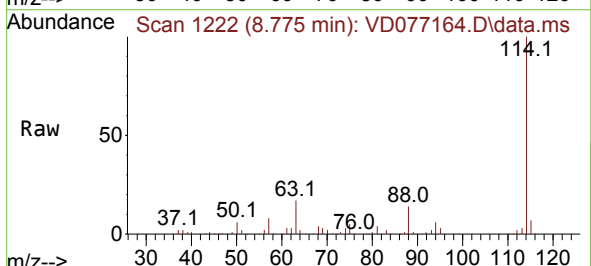
Tgt Ion: 114 Resp: 537497

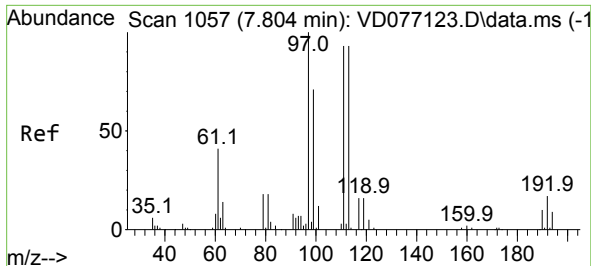
Ion Ratio Lower Upper

114 100

63 16.8 0.0 33.4

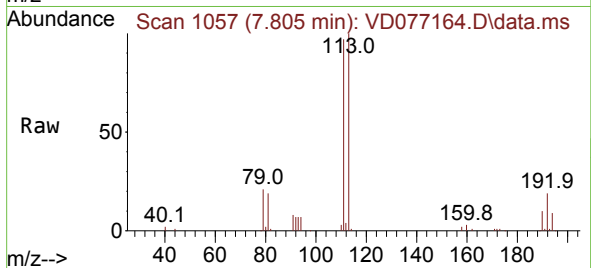
88 14.3 0.0 26.2



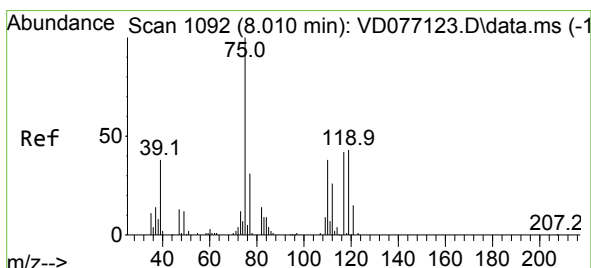
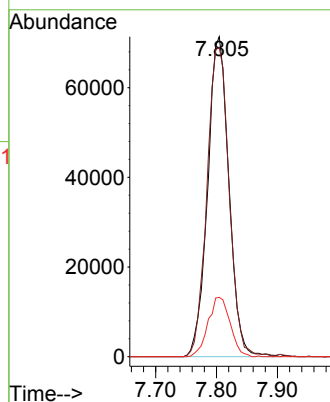
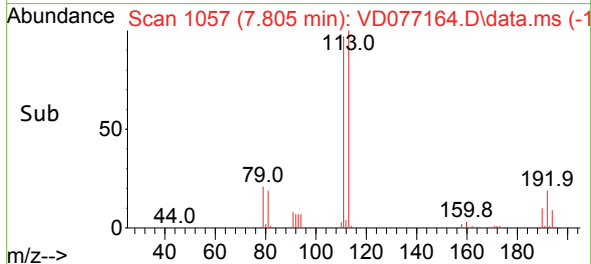


#35
Dibromofluoromethane
Concen: 46.480 ug/l
RT: 7.805 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077164.D
Acq: 20 Sep 2023 13:57

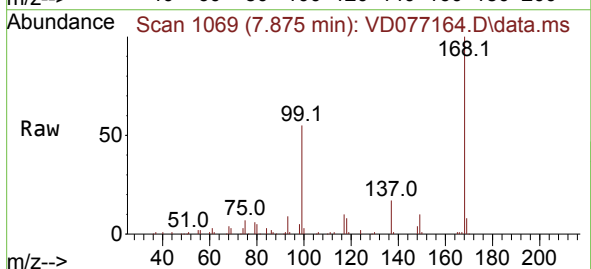
Instrument :
MSVOA_D
ClientSampleId :



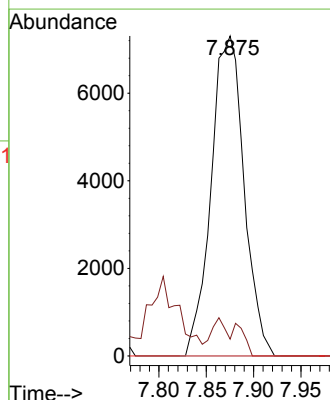
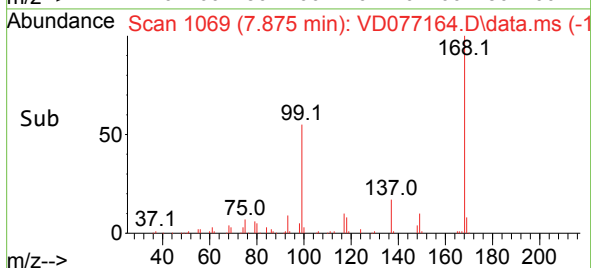
Tgt Ion:113 Resp: 173529
Ion Ratio Lower Upper
113 100
111 100.7 84.7 127.1
192 19.2 16.8 25.2

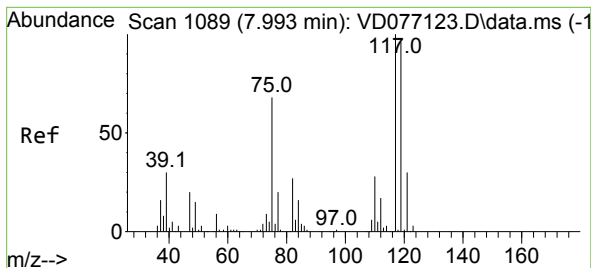


#36
1,1-Dichloropropene
Concen: 3.143 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.135 min
Lab File: VD077164.D
Acq: 20 Sep 2023 13:57



Tgt Ion: 75 Resp: 17673
Ion Ratio Lower Upper
75 100
110 3.1 19.9 59.6#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 4.089 ug/l

RT: 7.875 min Scan# 1

Delta R.T. -0.117 min

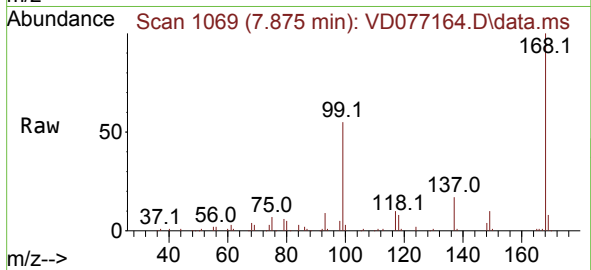
Lab File: VD077164.D

Acq: 20 Sep 2023 13:57

Instrument :

MSVOA_D

ClientSampleId :



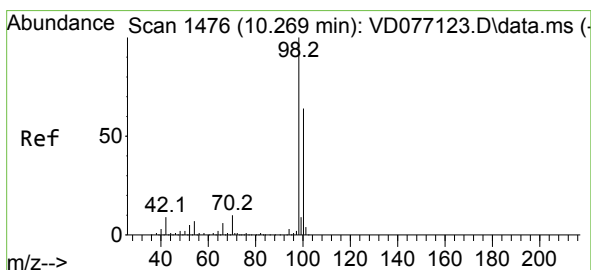
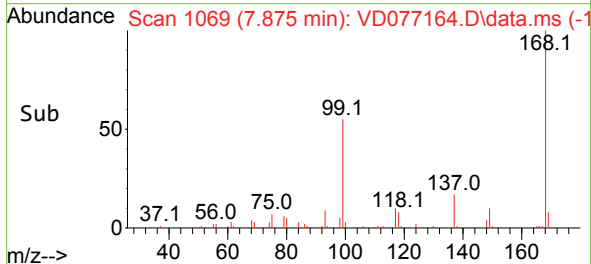
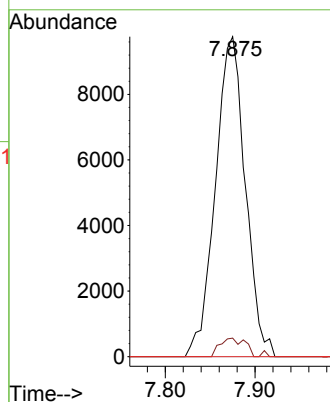
Tgt Ion:117 Resp: 22597

Ion Ratio Lower Upper

117 100

119 5.8 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 52.095 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077164.D

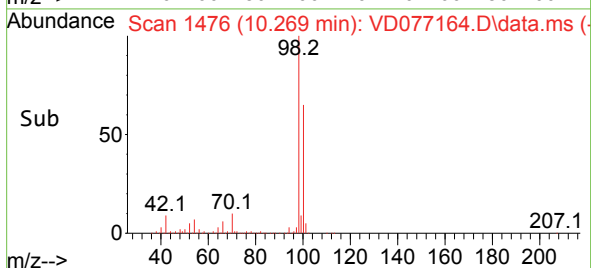
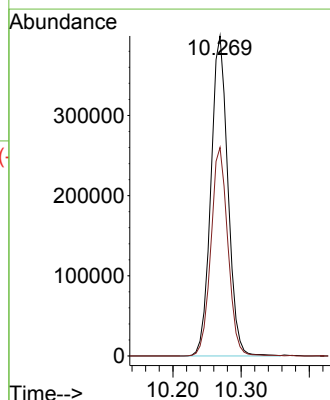
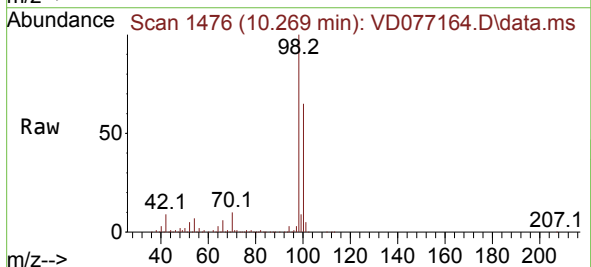
Acq: 20 Sep 2023 13:57

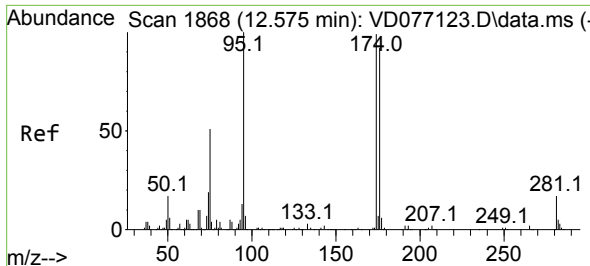
Tgt Ion: 98 Resp: 692282

Ion Ratio Lower Upper

98 100

100 65.0 50.3 75.5

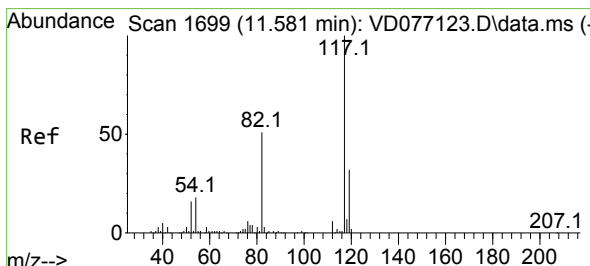
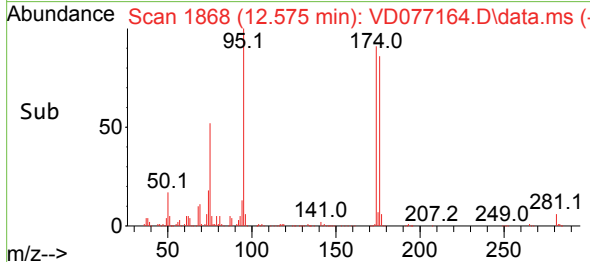
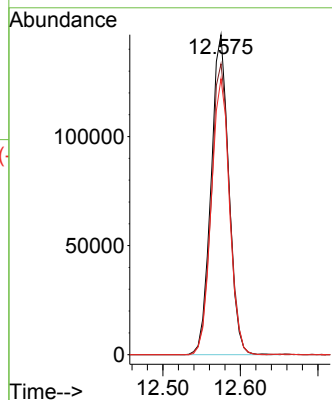
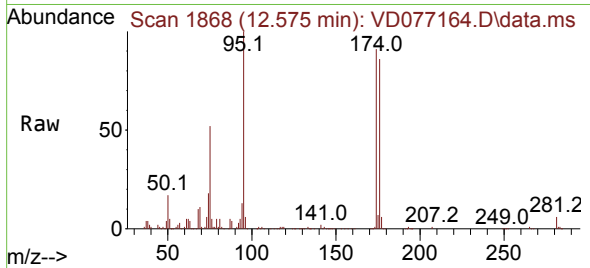




#62
4-Bromofluorobenzene
Concen: 56.596 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077164.D
Acq: 20 Sep 2023 13:57

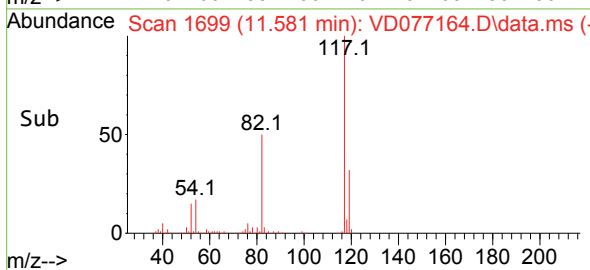
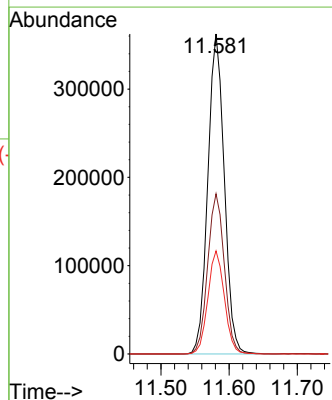
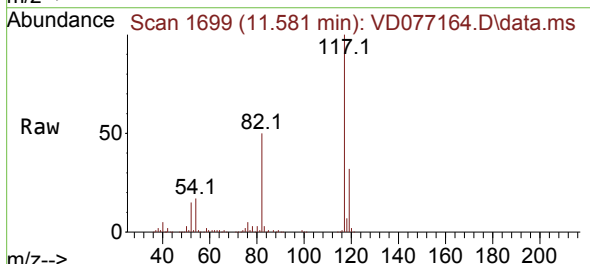
Instrument :
MSVOA_D
ClientSampleId :

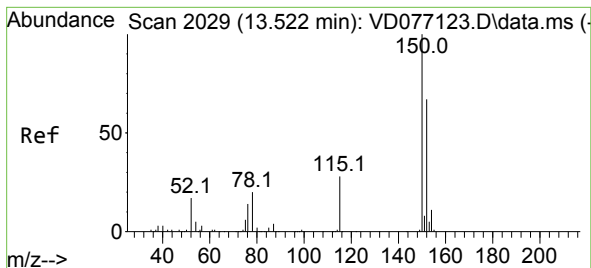
Tgt Ion: 95 Resp: 233106
Ion Ratio Lower Upper
95 100
174 93.4 0.0 201.8
176 88.5 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD077164.D
Acq: 20 Sep 2023 13:57

Tgt Ion: 117 Resp: 608453
Ion Ratio Lower Upper
117 100
82 50.0 38.3 57.5
119 32.2 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 20

Delta R.T. 0.000 min

Lab File: VD077164.D

Acq: 20 Sep 2023 13:57

Instrument :

MSVOA_D

ClientSampleId :

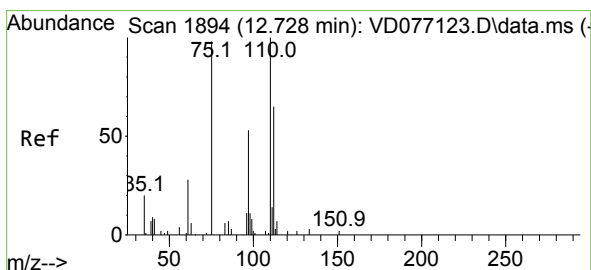
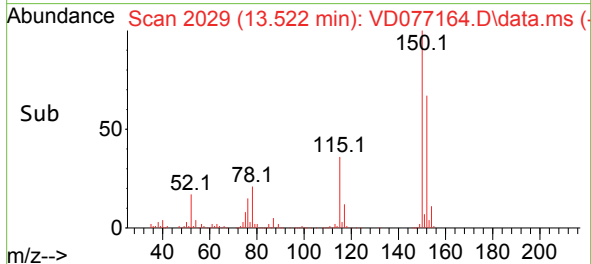
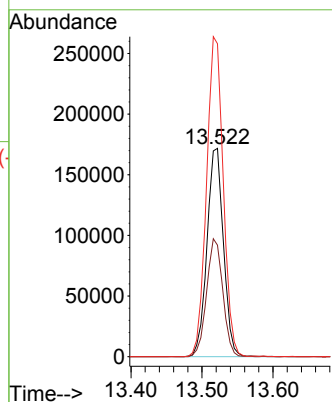
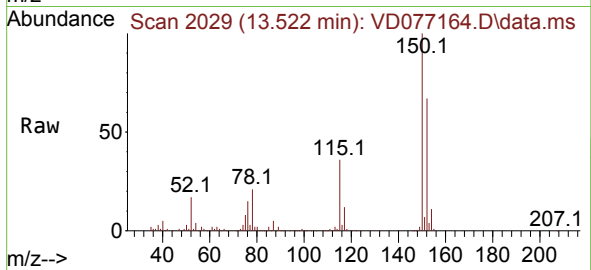
Tgt Ion:152 Resp: 277160

Ion Ratio Lower Upper

152 100

115 55.8 27.1 81.3

150 155.8 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 54.591 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.153 min

Lab File: VD077164.D

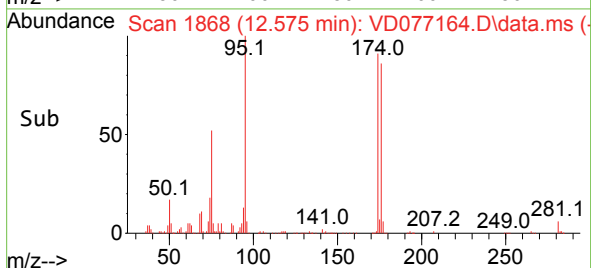
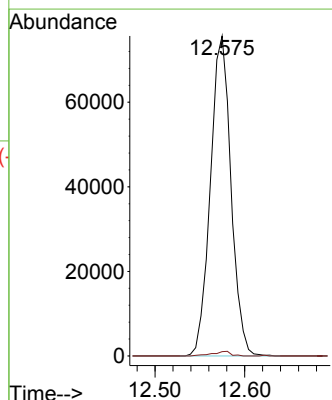
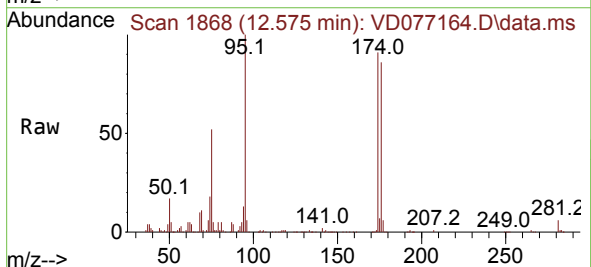
Acq: 20 Sep 2023 13:57

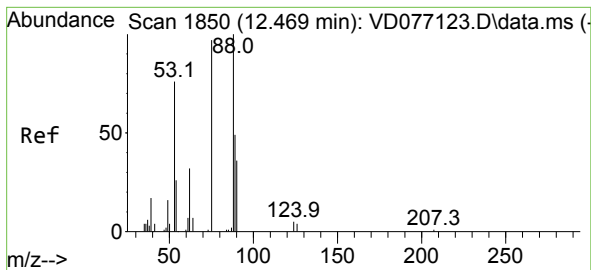
Tgt Ion: 75 Resp: 120691

Ion Ratio Lower Upper

75 100

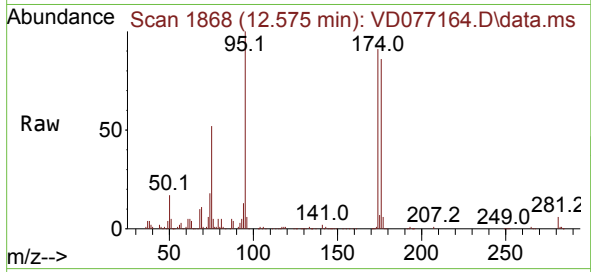
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 103.329 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD077164.D
 Acq: 20 Sep 2023 13:57

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 120691
 Ion Ratio Lower Upper
 75 100
 53 0.0 63.0 94.4#
 89 0.1 37.9 56.9#

