

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092023\
 Data File : VD077161.D
 Acq On : 20 Sep 2023 10:59
 Operator : JC/SY
 Sample : VD0920SBL01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 21 02:21:55 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)

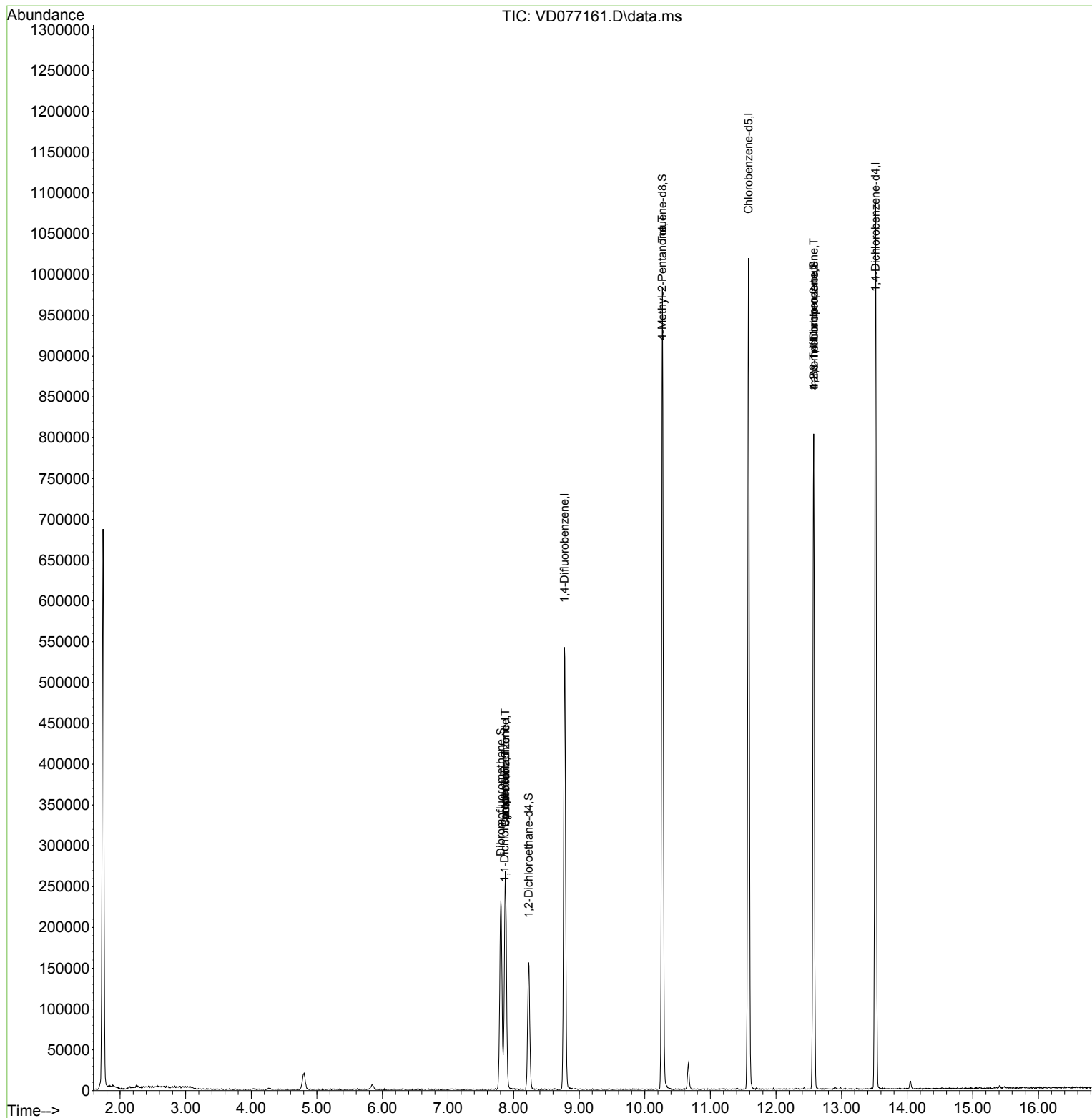
Internal Standards						
1) Pentafluorobenzene	7.875	168	212284	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	510576	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	603882	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	297746	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	119169	55.624	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 111.240%	
35) Dibromofluoromethane	7.805	113	173491	48.920	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.840%	
50) Toluene-d8	10.269	98	679355	53.818	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 107.640%	
62) 4-Bromofluorobenzene	12.575	95	243536	62.246	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 124.500%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.805	84	16370	Below Cal		94
31) Cyclohexane	7.875	56	4510	1.203	ug/l #	45
36) 1,1-Dichloropropene	7.863	75	15648	2.930	ug/l #	47
38) Carbon Tetrachloride	7.875	117	19795	3.771	ug/l #	15
51) 4-Methyl-2-Pentanone	10.263	43	2102	1.065	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	119814	50.447	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	119814	95.486	ug/l #	17

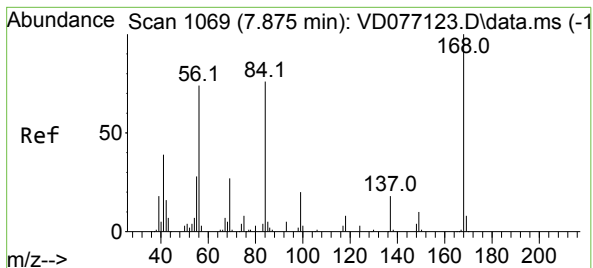
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Sep 19 04:46:37 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD077161.D

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Instrument :

MSVOA_D

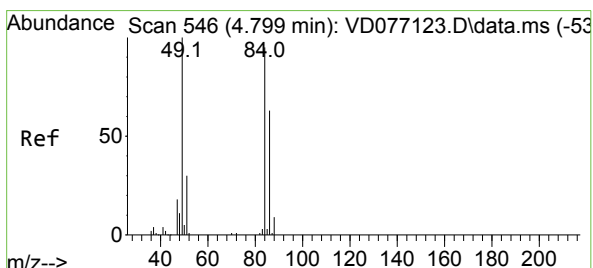
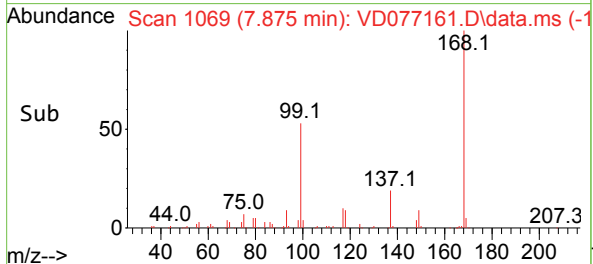
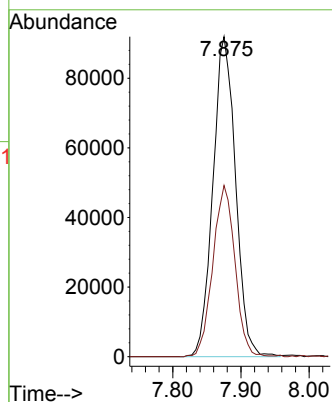
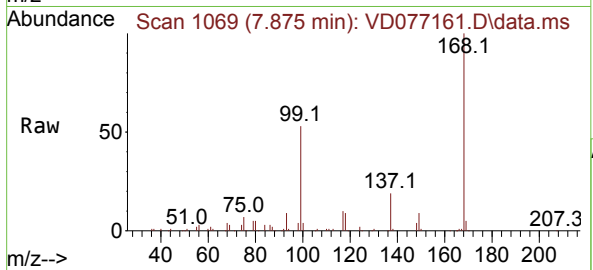
ClientSampleId :

Tgt Ion:168 Resp: 212284

Ion Ratio Lower Upper

168 100

99 53.5 36.7 55.1



#20

Methylene Chloride

Concen: Below Cal

RT: 4.805 min Scan# 547

Delta R.T. 0.006 min

Lab File: VD077161.D

Acq: 20 Sep 2023 10:59

Tgt Ion: 84 Resp: 16370

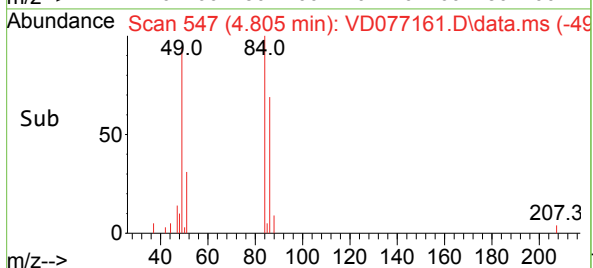
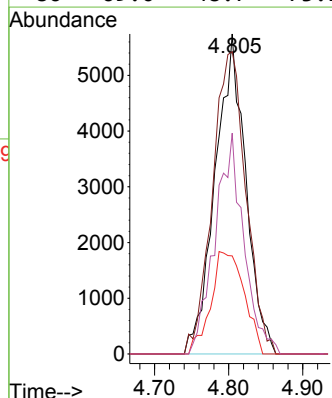
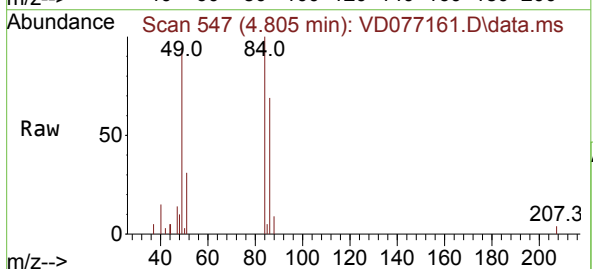
Ion Ratio Lower Upper

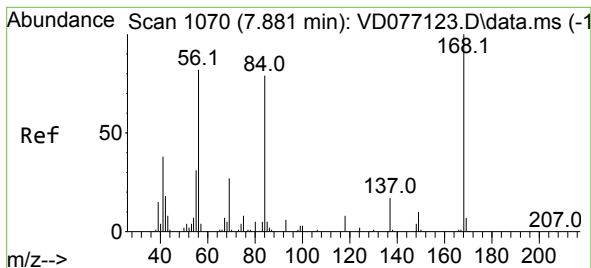
84 100

49 94.4 71.4 107.2

51 30.6 24.5 36.7

86 69.0 48.7 73.1





#31

Cyclohexane

Concen: 1.203 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

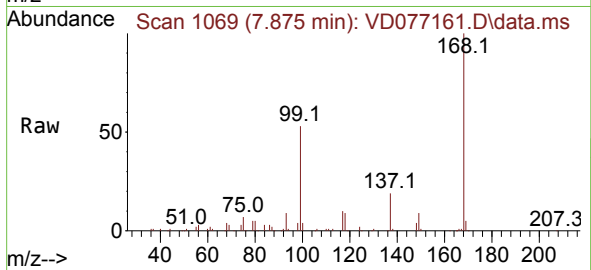
Lab File: VD077161.D

Acq: 20 Sep 2023 10:59

Instrument :

MSVOA_D

ClientSampleId :



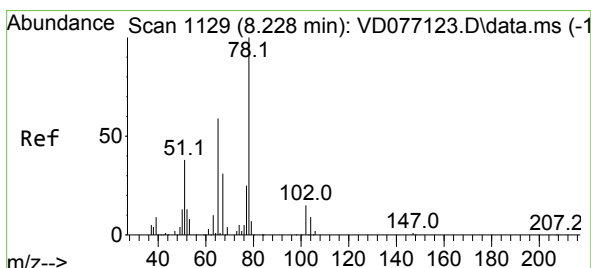
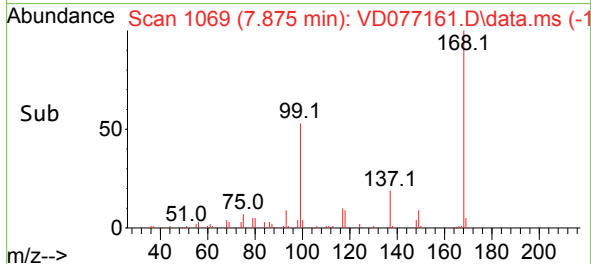
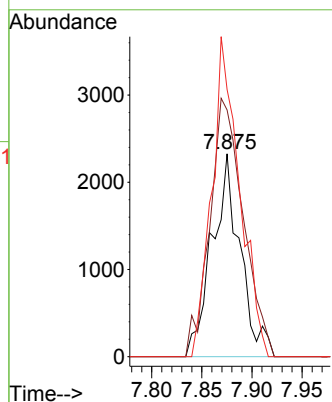
Tgt Ion: 56 Resp: 4510

Ion Ratio Lower Upper

56 100

69 121.5 28.6 43.0#

84 131.7 84.8 127.2#



#33

1,2-Dichloroethane-d4

Concen: 55.624 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD077161.D

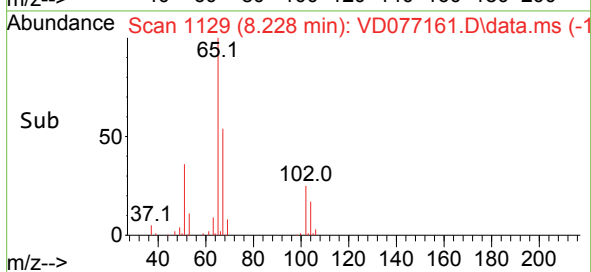
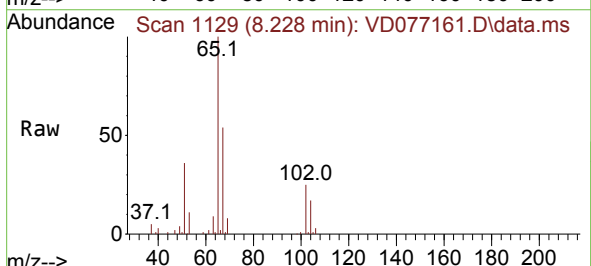
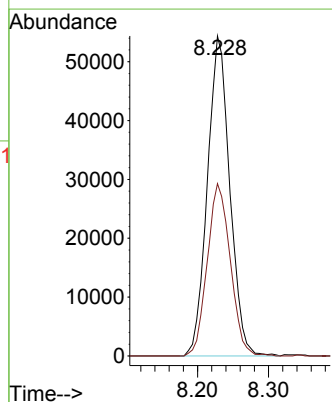
Acq: 20 Sep 2023 10:59

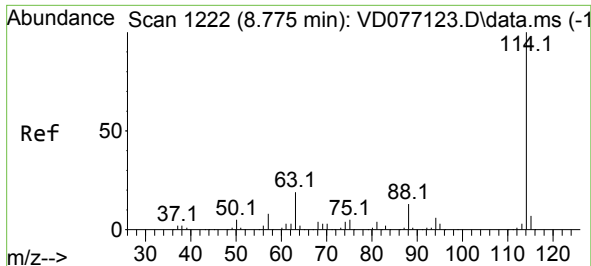
Tgt Ion: 65 Resp: 119169

Ion Ratio Lower Upper

65 100

67 55.4 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD077161.D

Acq: 20 Sep 2023 10:59

Instrument :

MSVOA_D

ClientSampleId :

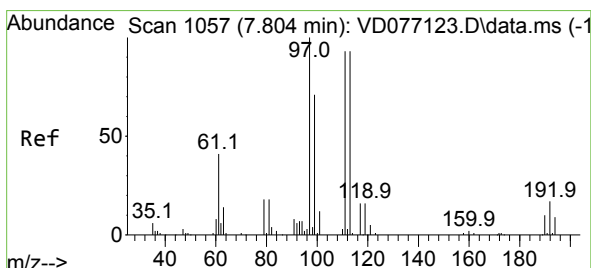
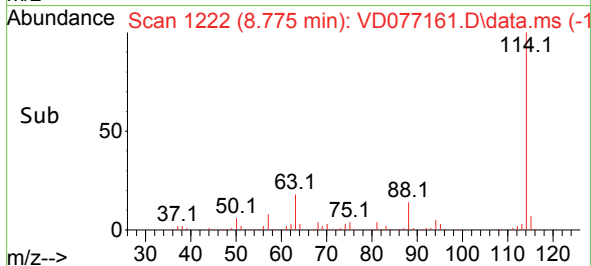
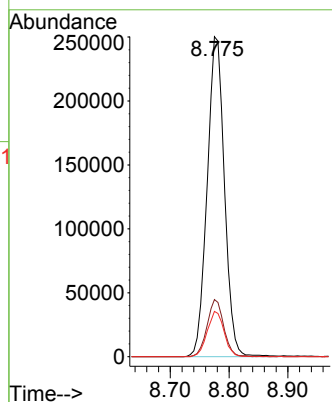
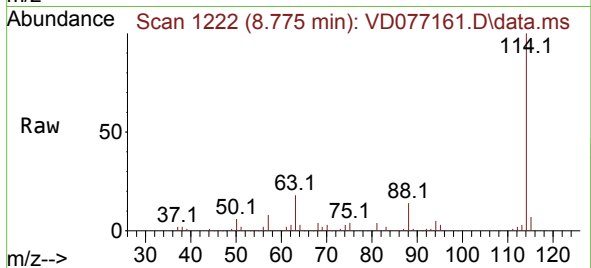
Tgt Ion:114 Resp: 510576

Ion Ratio Lower Upper

114 100

63 17.9 0.0 33.4

88 14.2 0.0 26.2



#35

Dibromofluoromethane

Concen: 48.920 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD077161.D

Acq: 20 Sep 2023 10:59

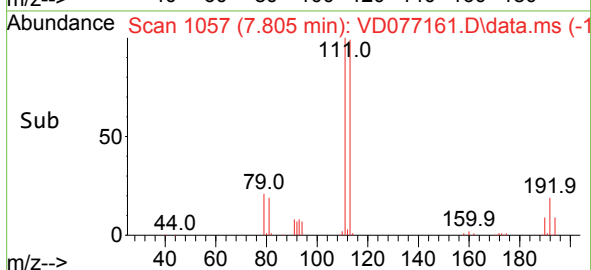
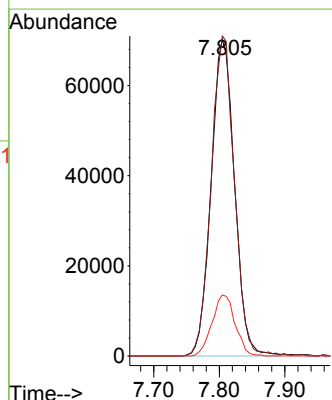
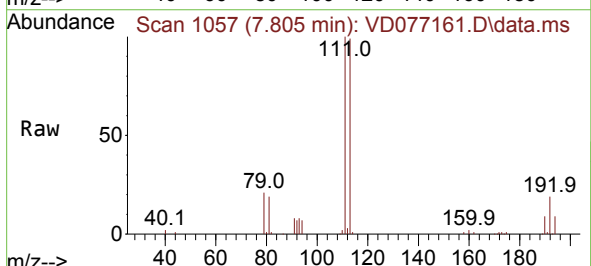
Tgt Ion:113 Resp: 173491

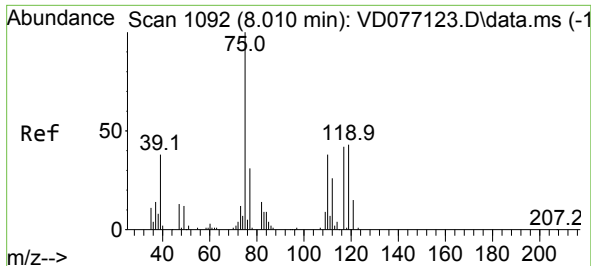
Ion Ratio Lower Upper

113 100

111 100.8 84.7 127.1

192 19.0 16.8 25.2





#36

1,1-Dichloropropene

Concen: 2.930 ug/l

RT: 7.863 min Scan# 1067

Delta R.T. -0.147 min

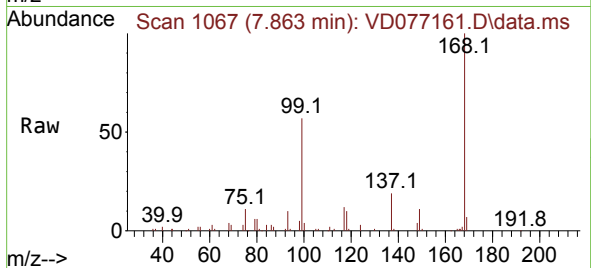
Lab File: VD077161.D

Acq: 20 Sep 2023 10:59

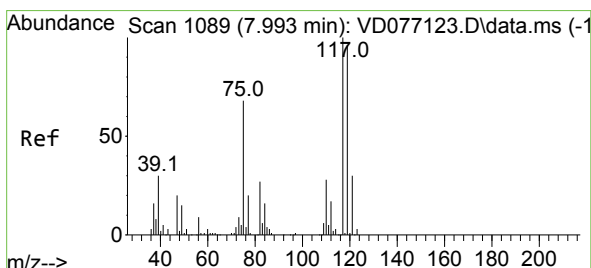
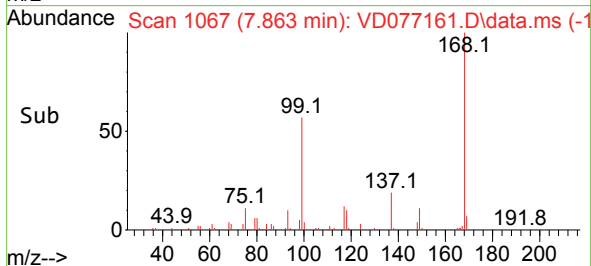
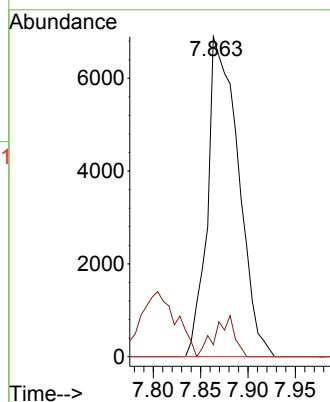
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	75	Resp:	15648
Ion Ratio	Lower	Upper	
75	100		
110	8.3	19.9	59.6#
77	0.0	24.7	37.1#



#38

Carbon Tetrachloride

Concen: 3.771 ug/l

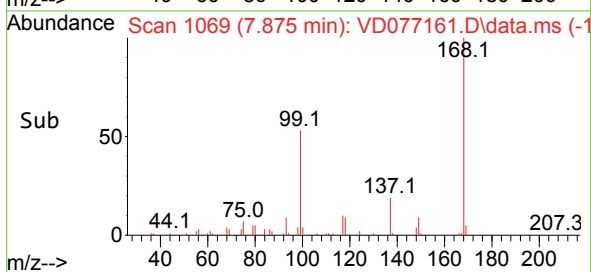
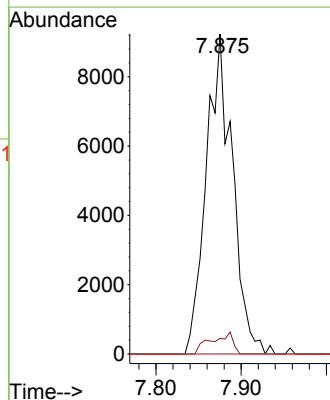
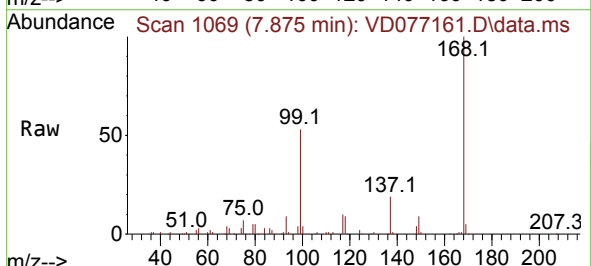
RT: 7.875 min Scan# 1069

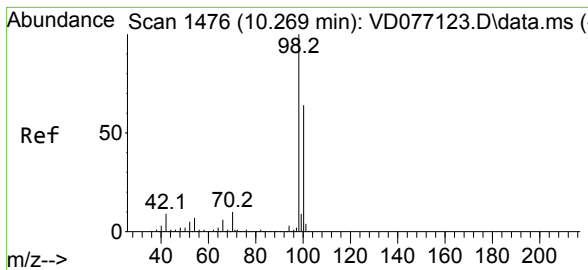
Delta R.T. -0.117 min

Lab File: VD077161.D

Acq: 20 Sep 2023 10:59

Tgt Ion:	117	Resp:	19795
Ion Ratio	Lower	Upper	
117	100		
119	4.9	78.0	117.0#
121	0.0	24.2	36.2#

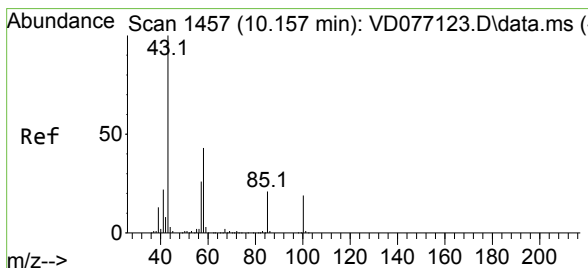
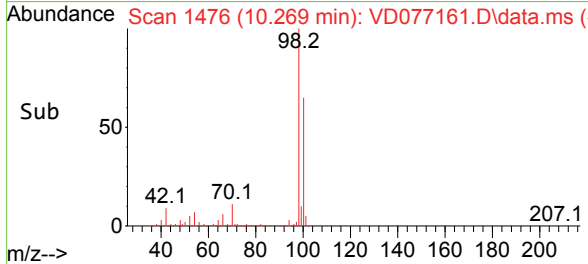
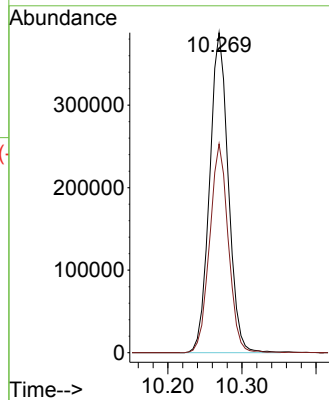
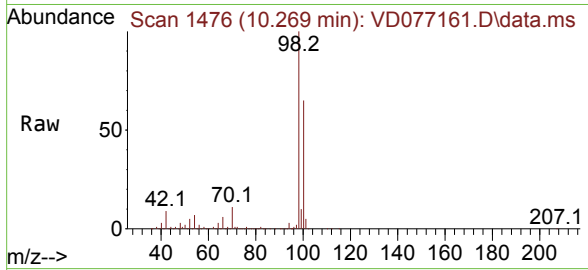




#50
Toluene-d8
Concen: 53.818 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077161.D
Acq: 20 Sep 2023 10:59

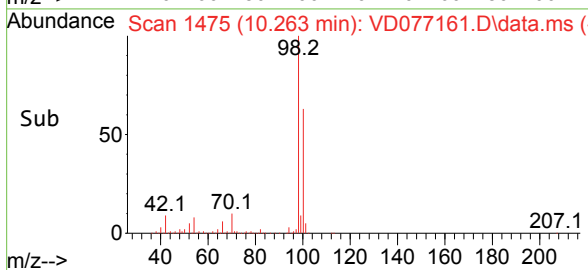
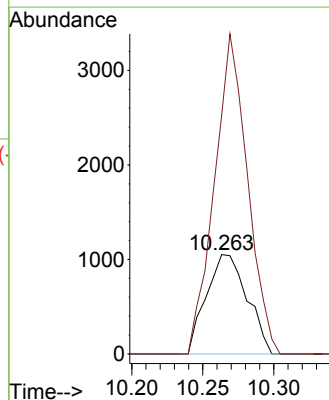
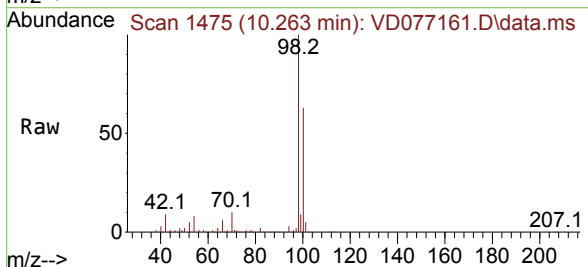
Instrument :
MSVOA_D
ClientSampleId :

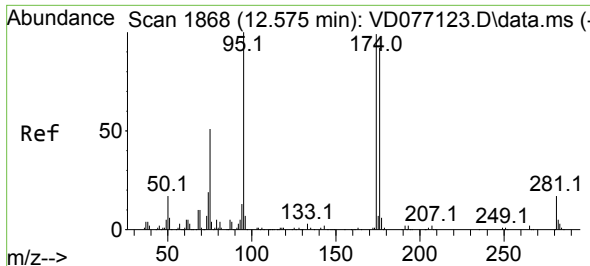
Tgt Ion: 98 Resp: 679355
Ion Ratio Lower Upper
98 100
100 65.1 50.3 75.5



#51
4-Methyl-2-Pentanone
Concen: 1.065 ug/l
RT: 10.263 min Scan# 1475
Delta R.T. 0.106 min
Lab File: VD077161.D
Acq: 20 Sep 2023 10:59

Tgt Ion: 43 Resp: 2102
Ion Ratio Lower Upper
43 100
58 261.5 38.9 58.3#

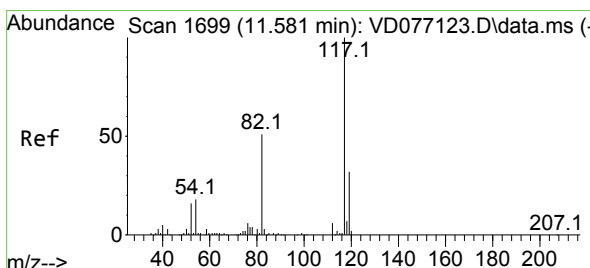
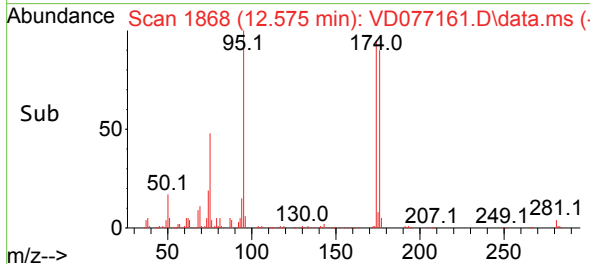
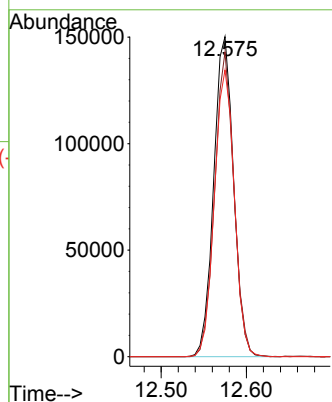
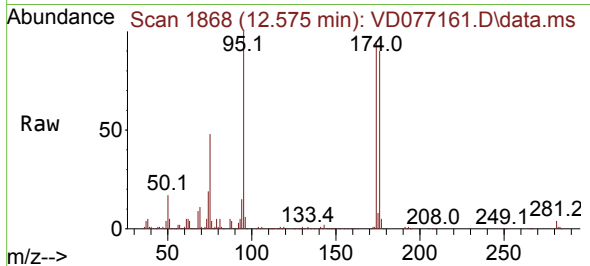




#62
4-Bromofluorobenzene
Concen: 62.246 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077161.D
Acq: 20 Sep 2023 10:59

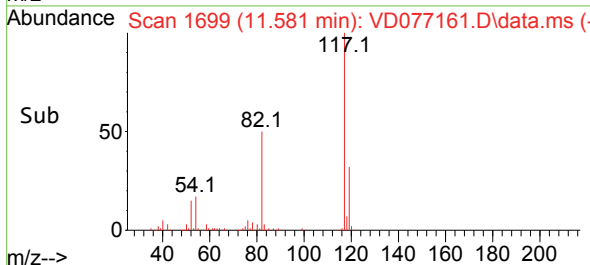
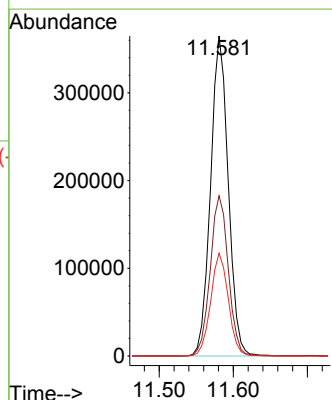
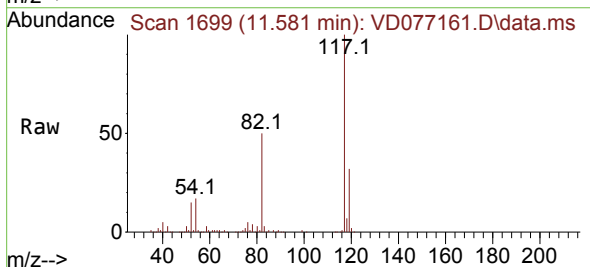
Instrument :
MSVOA_D
ClientSampleId :

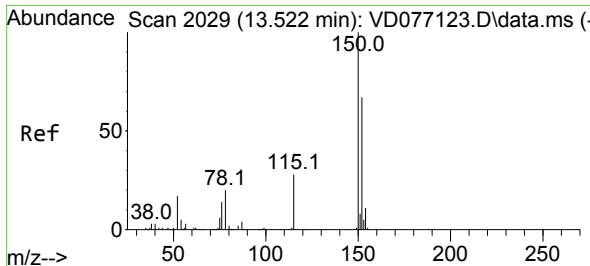
Tgt Ion: 95 Resp: 243536
Ion Ratio Lower Upper
95 100
174 92.0 0.0 201.8
176 90.0 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD077161.D
Acq: 20 Sep 2023 10:59

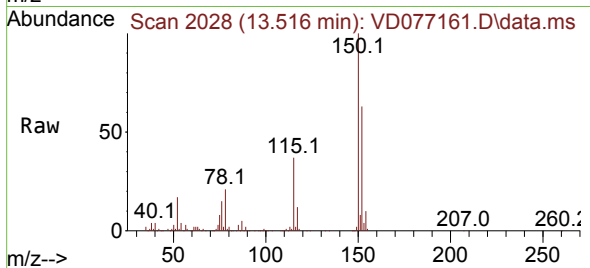
Tgt Ion: 117 Resp: 603882
Ion Ratio Lower Upper
117 100
82 50.1 38.3 57.5
119 32.1 25.0 37.4



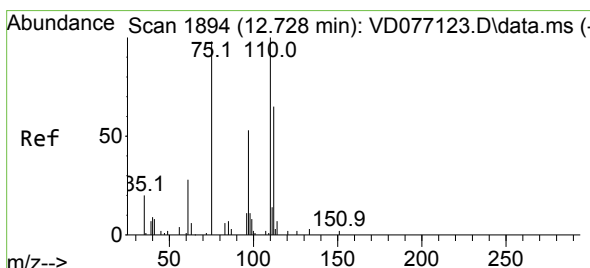
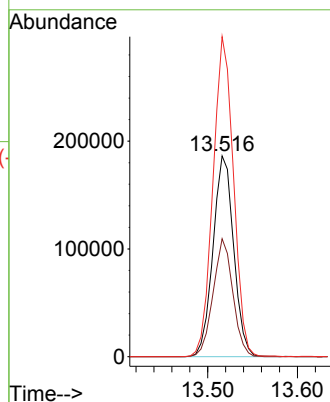
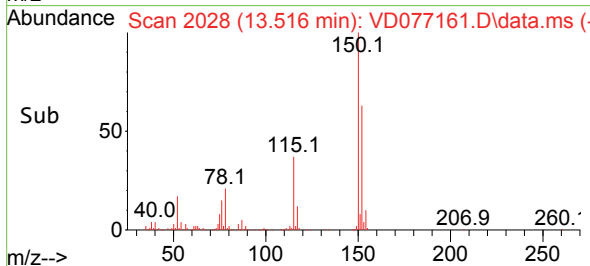


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 2029
 Delta R.T. -0.006 min
 Lab File: VD077161.D
 Acq: 20 Sep 2023 10:59

Instrument :
 MSVOA_D
 ClientSampleId :

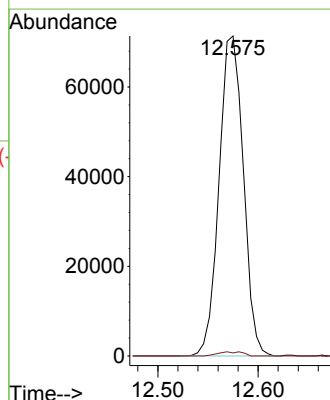
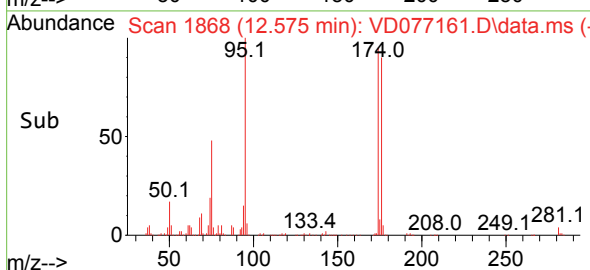
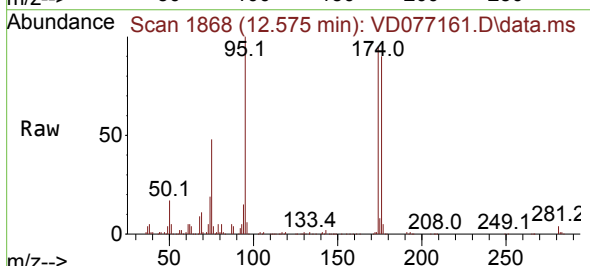


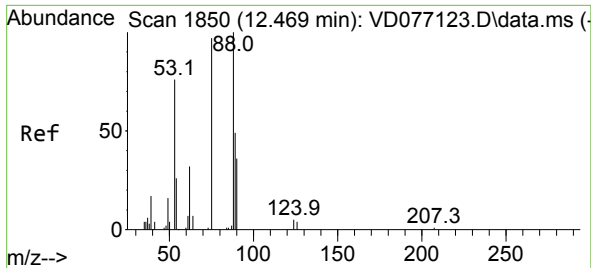
Tgt Ion:152 Resp: 297746
 Ion Ratio Lower Upper
 152 100
 115 56.1 27.1 81.3
 150 158.1 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 50.447 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.153 min
 Lab File: VD077161.D
 Acq: 20 Sep 2023 10:59

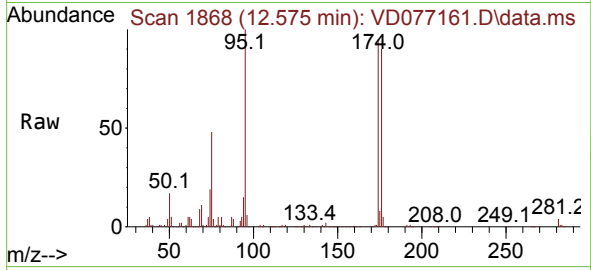
Tgt Ion: 75 Resp: 119814
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.486 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD077161.D
 Acq: 20 Sep 2023 10:59

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 119814
 Ion Ratio Lower Upper
 75 100
 53 0.1 63.0 94.4#
 89 0.0 37.9 56.9#

