

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092923\
 Data File : VD077250.D
 Acq On : 29 Sep 2023 17:53
 Operator : JC/SY
 Sample : 04636-01RE
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 30 04:45:59 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)

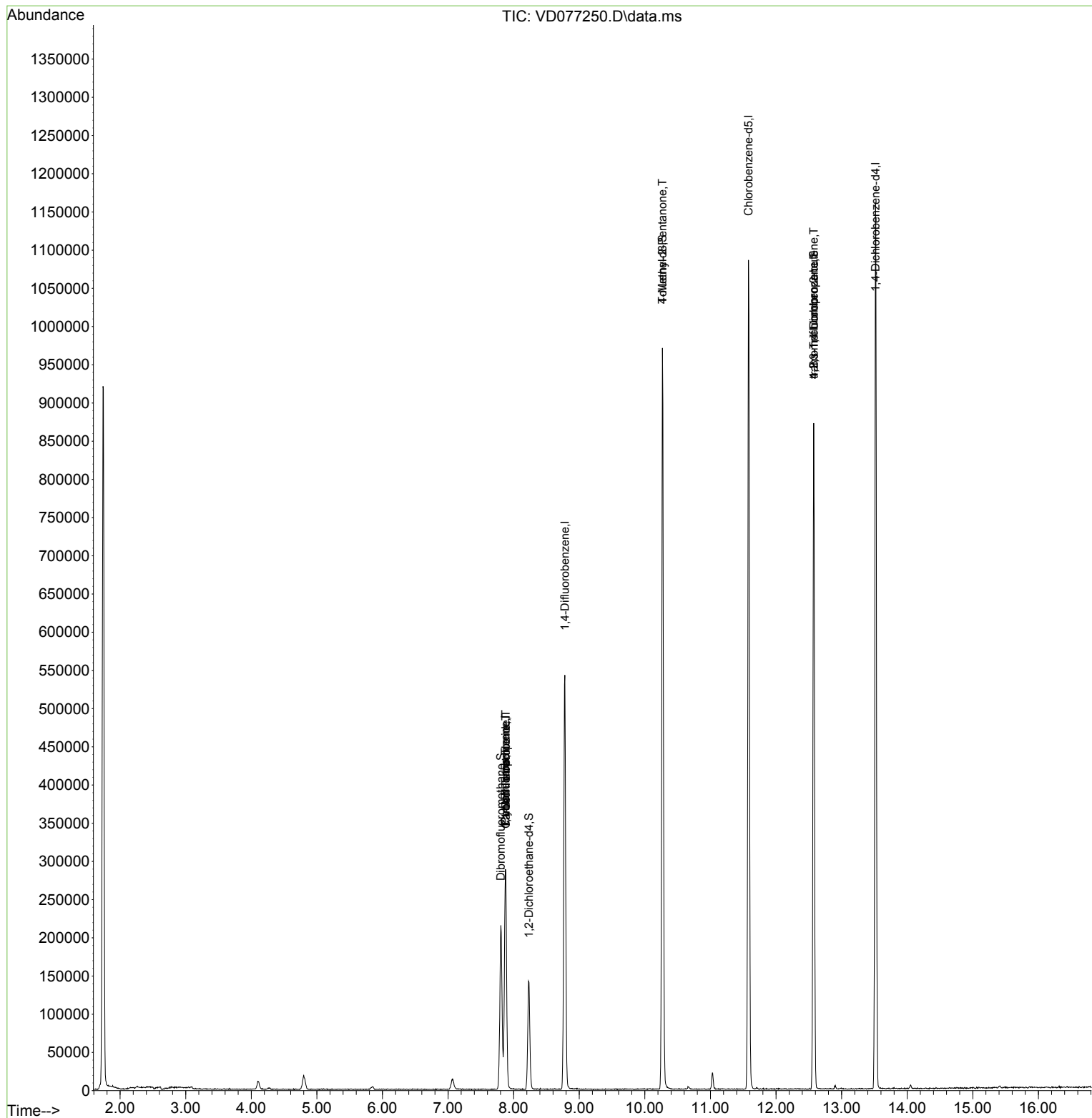
Internal Standards						
1) Pentafluorobenzene	7.875	168	229850	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	504823	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	644277	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	318004	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	107284	46.250	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.500%
35) Dibromofluoromethane	7.804	113	154527	44.069	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.140%
50) Toluene-d8	10.269	98	669975	53.680	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	107.360%
62) 4-Bromofluorobenzene	12.575	95	263809	68.196	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	136.400%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.810	84	14072	Below Cal	#	88
31) Cyclohexane	7.875	56	4623	1.139	ug/l #	16
36) 1,1-Dichloropropene	7.881	75	17942	3.398	ug/l #	46
38) Carbon Tetrachloride	7.881	117	23968	4.618	ug/l #	17
51) 4-Methyl-2-Pentanone	10.269	43	2114	1.084	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	135102	53.260	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	135102	100.811	ug/l #	17

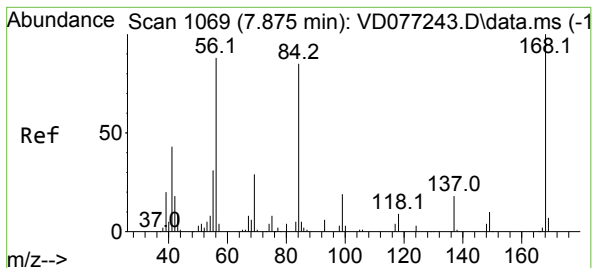
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

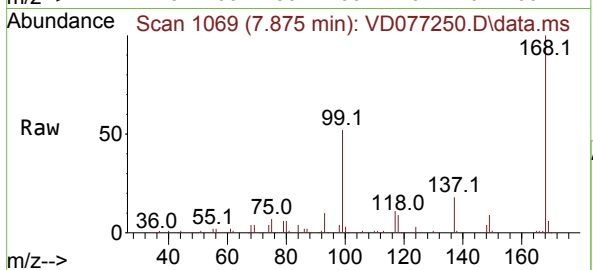
Lab File: VD077250.D

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Instrument :

MSVOA_D

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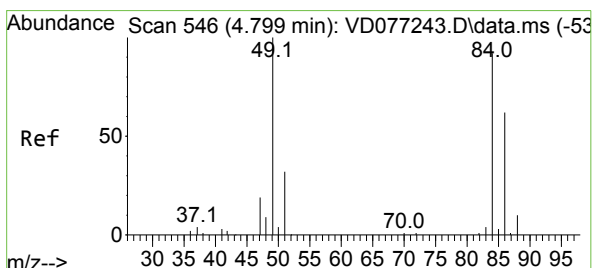
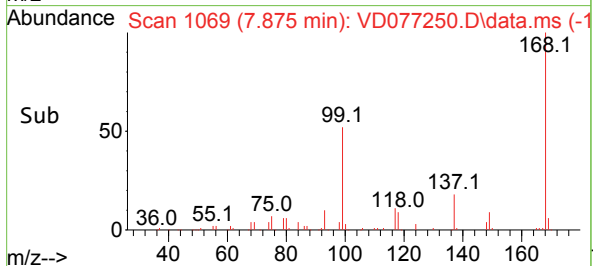
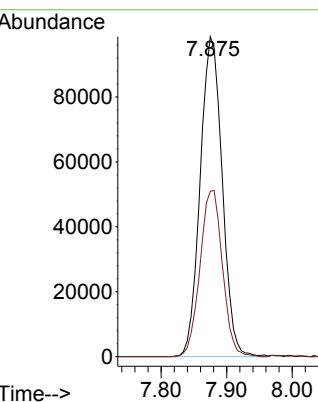


Tgt Ion:168 Resp: 229850

Ion Ratio Lower Upper

168 100

99 51.7 36.7 55.1



#20

Methylene Chloride

Concen: Below Cal

RT: 4.810 min Scan# 548

Delta R.T. 0.011 min

Lab File: VD077250.D

Acq: 29 Sep 2023 17:53

Tgt Ion: 84 Resp: 14072

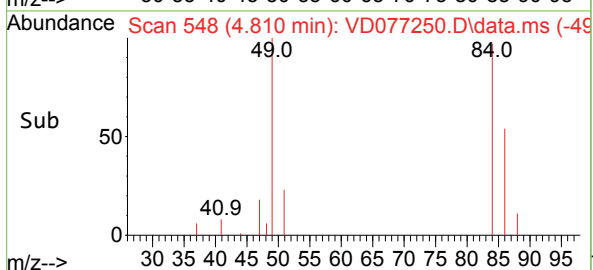
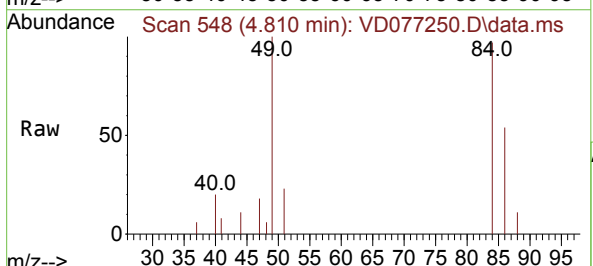
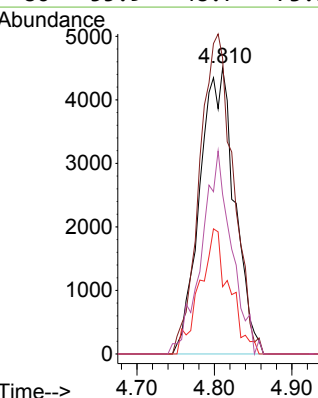
Ion Ratio Lower Upper

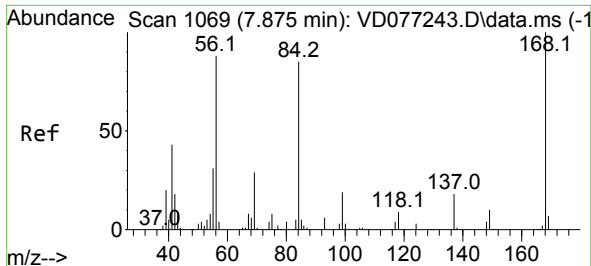
84 100

49 103.5 71.4 107.2

51 23.5 24.5 36.7#

86 55.9 48.7 73.1





#31

Cyclohexane

Concen: 1.139 ug/l

RT: 7.875 min Scan# 110

Delta R.T. -0.006 min

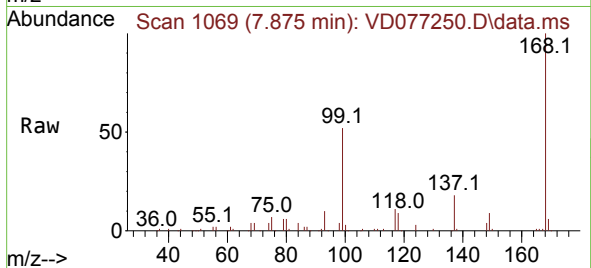
Lab File: VD077250.D

Acq: 29 Sep 2023 17:53

Instrument :

MSVOA_D

ClientSampleId :



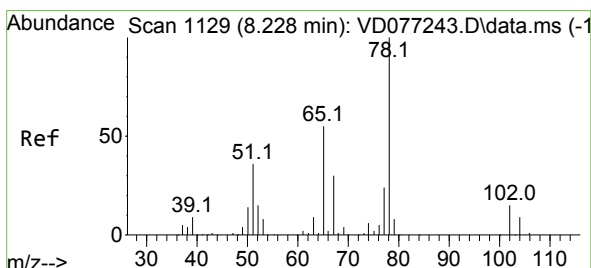
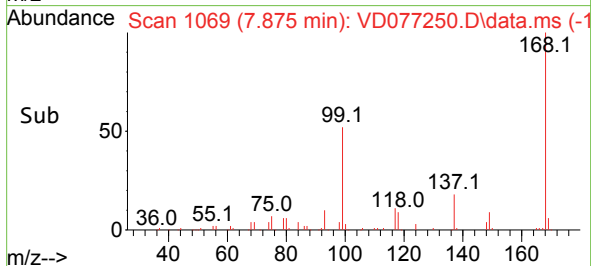
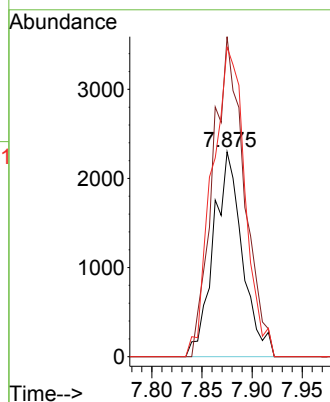
Tgt Ion: 56 Resp: 4623

Ion Ratio Lower Upper

56 100

69 156.2 28.6 43.0#

84 151.2 84.8 127.2#



#33

1,2-Dichloroethane-d4

Concen: 46.250 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD077250.D

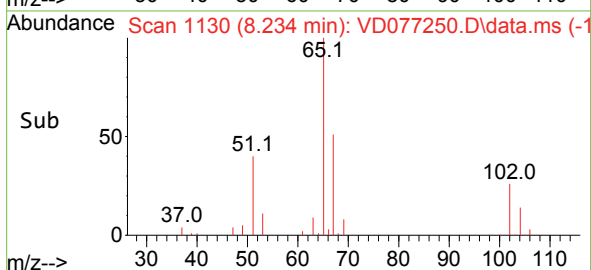
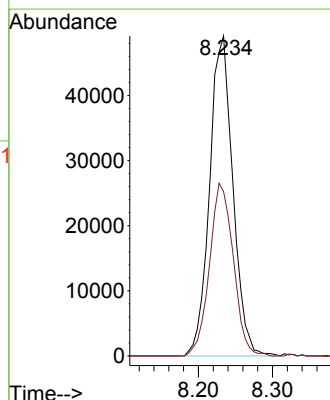
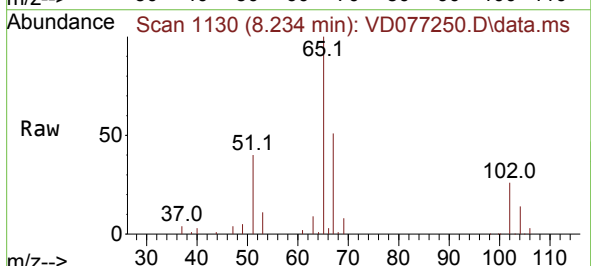
Acq: 29 Sep 2023 17:53

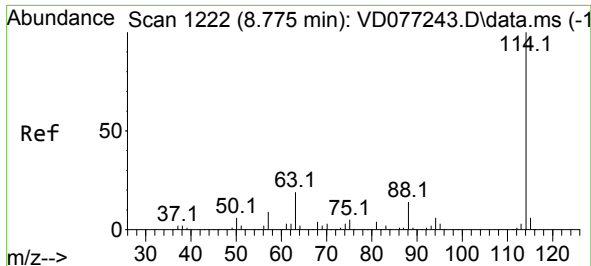
Tgt Ion: 65 Resp: 107284

Ion Ratio Lower Upper

65 100

67 55.2 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: VD077250.D

Acq: 29 Sep 2023 17:53

Instrument :

MSVOA_D

ClientSampleId :

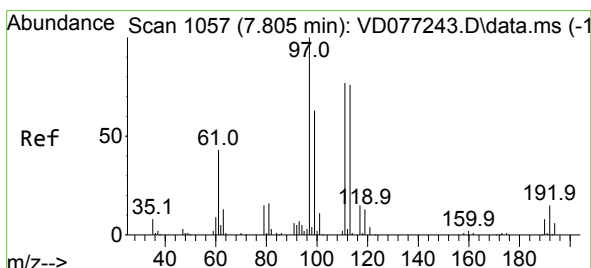
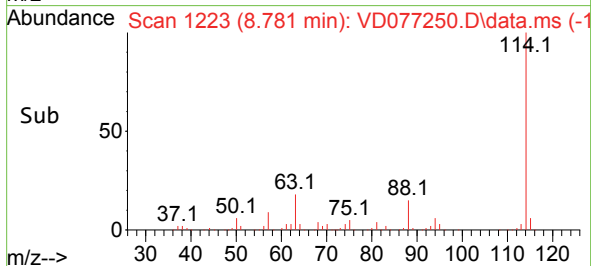
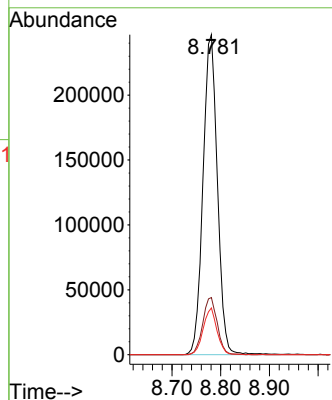
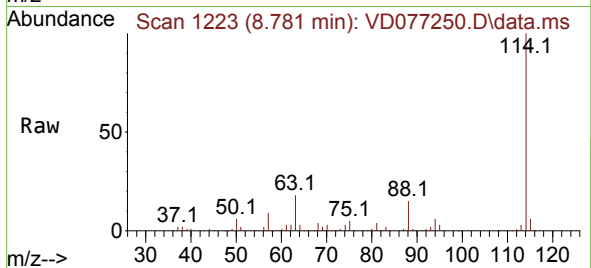
Tgt Ion:114 Resp: 504823

Ion Ratio Lower Upper

114 100

63 17.8 0.0 33.4

88 14.6 0.0 26.2



#35

Dibromofluoromethane

Concen: 44.069 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD077250.D

Acq: 29 Sep 2023 17:53

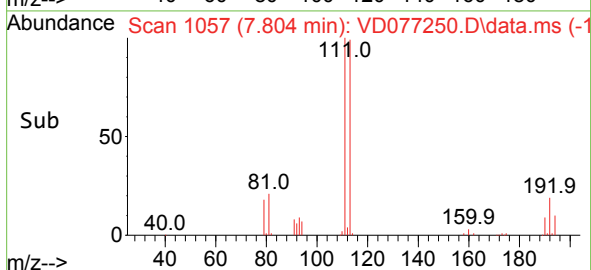
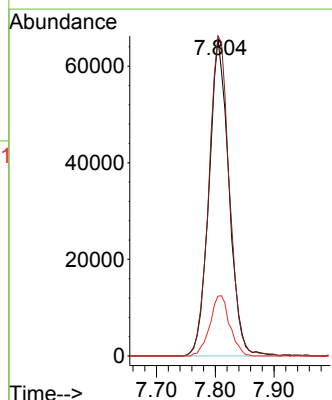
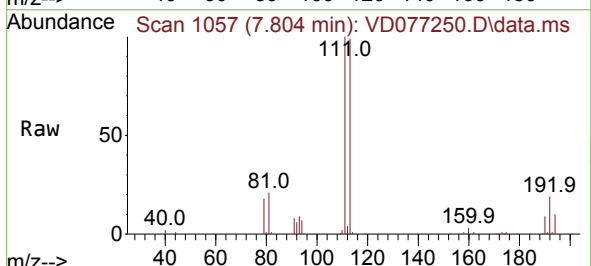
Tgt Ion:113 Resp: 154527

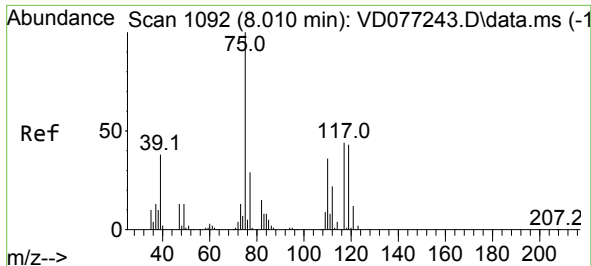
Ion Ratio Lower Upper

113 100

111 103.8 84.7 127.1

192 19.0 16.8 25.2





#36

1,1-Dichloropropene

Concen: 3.398 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.129 min

Lab File: VD077250.D

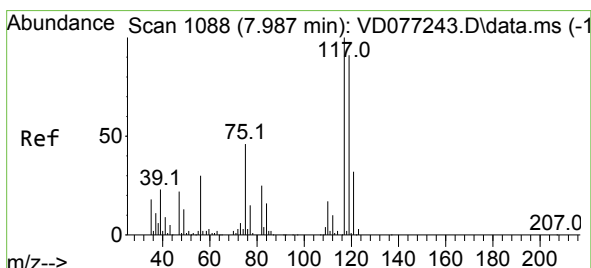
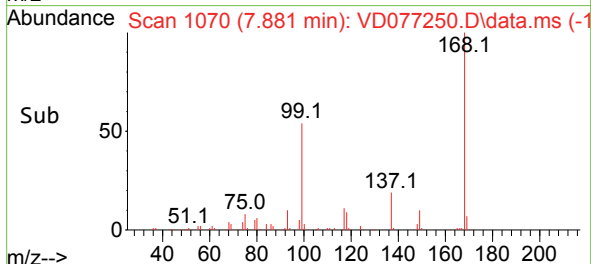
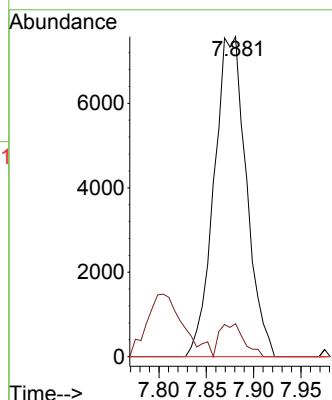
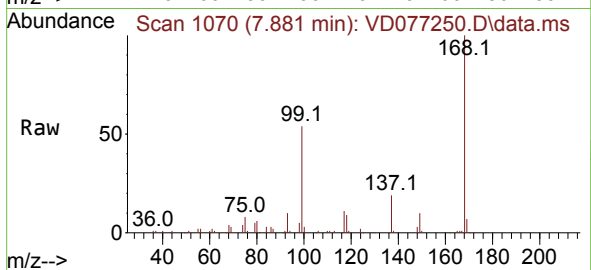
Acq: 29 Sep 2023 17:53

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 75	Resp: 17942
Ion Ratio	Lower Upper
75 100	
110 7.8	19.9 59.6#
77 0.0	24.7 37.1#



#38

Carbon Tetrachloride

Concen: 4.618 ug/l

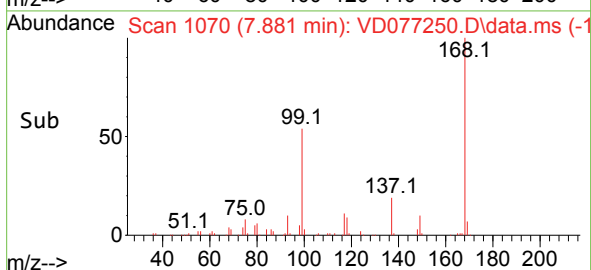
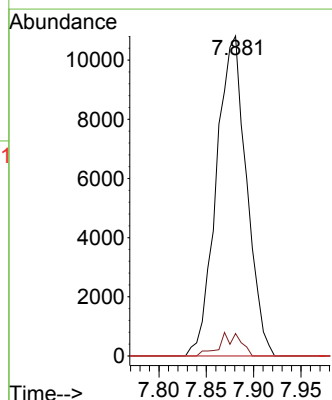
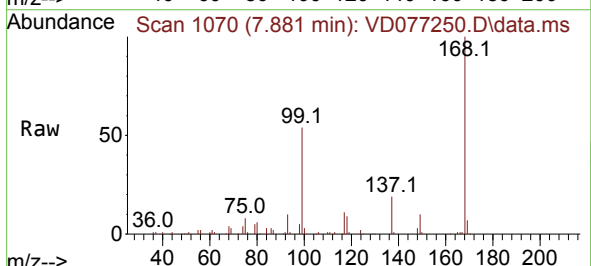
RT: 7.881 min Scan# 1070

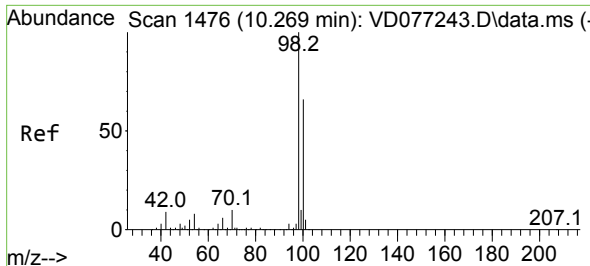
Delta R.T. -0.112 min

Lab File: VD077250.D

Acq: 29 Sep 2023 17:53

Tgt Ion: 117	Resp: 23968
Ion Ratio	Lower Upper
117 100	
119 7.0	78.0 117.0#
121 0.0	24.2 36.2#

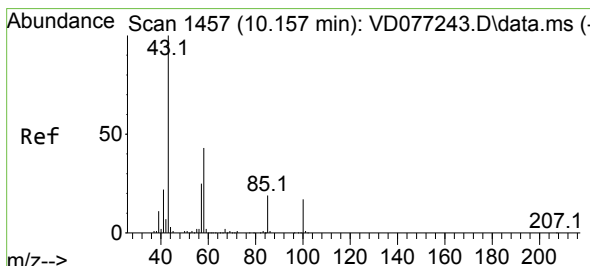
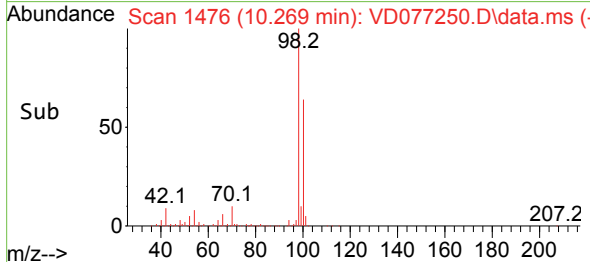
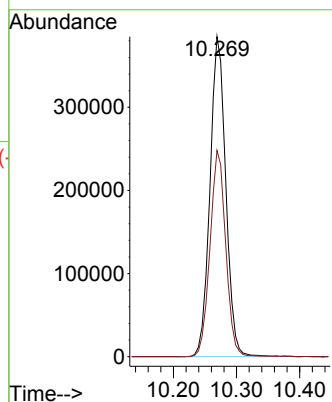
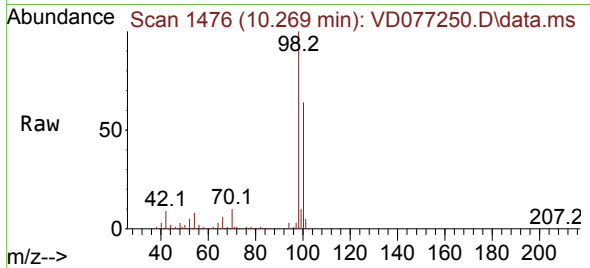




#50
Toluene-d8
Concen: 53.680 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077250.D
Acq: 29 Sep 2023 17:53

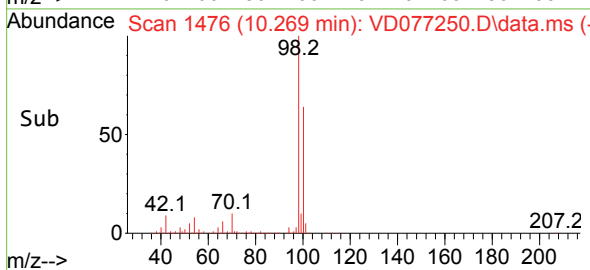
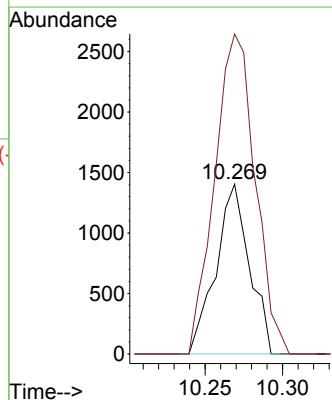
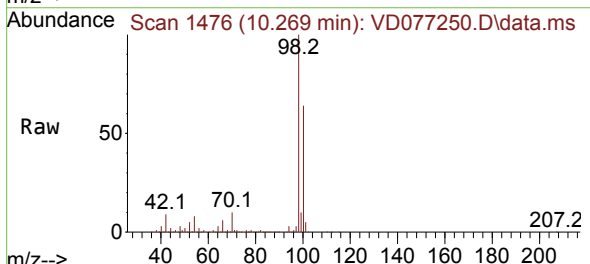
Instrument :
MSVOA_D
ClientSampleId :

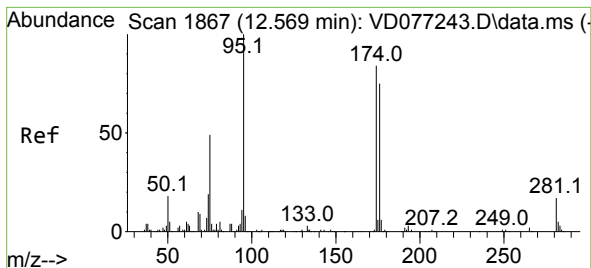
Tgt Ion: 98 Resp: 669975
Ion Ratio Lower Upper
98 100
100 64.2 50.3 75.5



#51
4-Methyl-2-Pentanone
Concen: 1.084 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.112 min
Lab File: VD077250.D
Acq: 29 Sep 2023 17:53

Tgt Ion: 43 Resp: 2114
Ion Ratio Lower Upper
43 100
58 227.0 38.9 58.3#

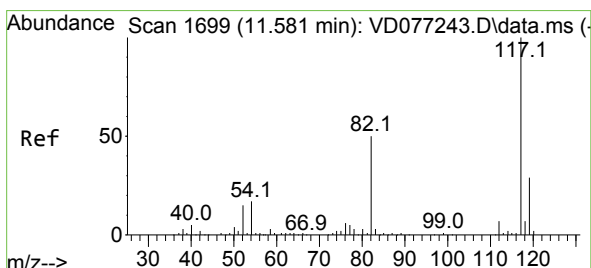
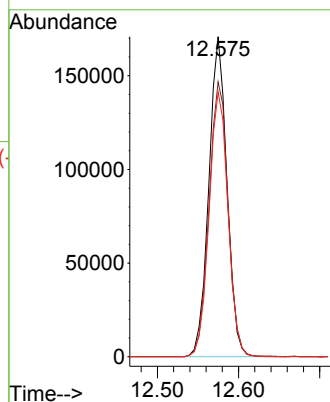
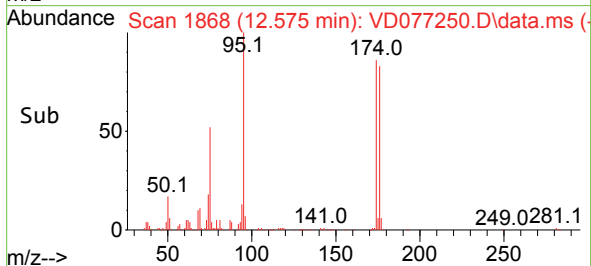
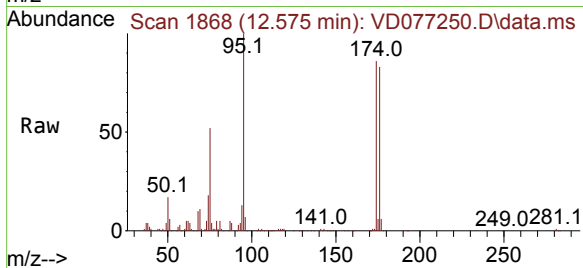




#62
4-Bromofluorobenzene
Concen: 68.196 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077250.D
Acq: 29 Sep 2023 17:53

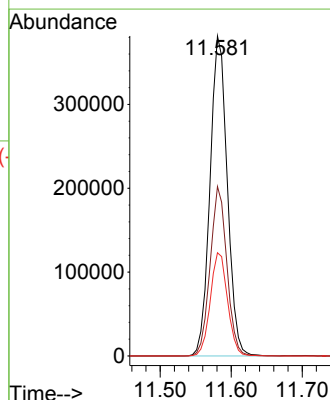
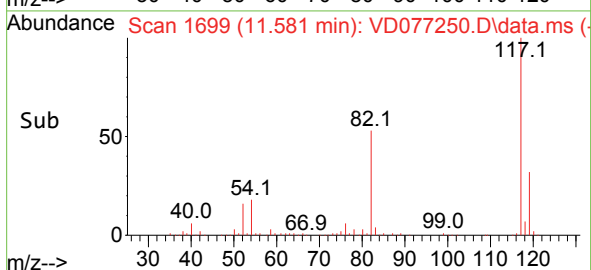
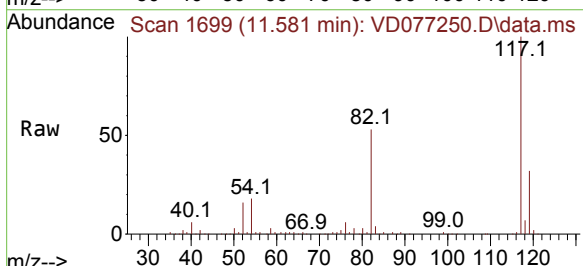
Instrument :
MSVOA_D
ClientSampleId :

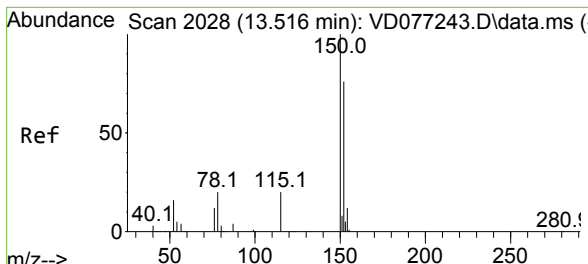
Tgt Ion: 95 Resp: 263809
Ion Ratio Lower Upper
95 100
174 90.7 0.0 201.8
176 86.2 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD077250.D
Acq: 29 Sep 2023 17:53

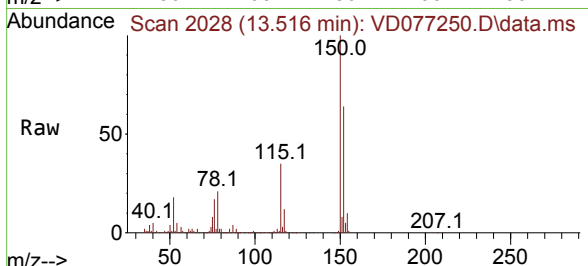
Tgt Ion: 117 Resp: 644277
Ion Ratio Lower Upper
117 100
82 52.9 38.3 57.5
119 32.2 25.0 37.4





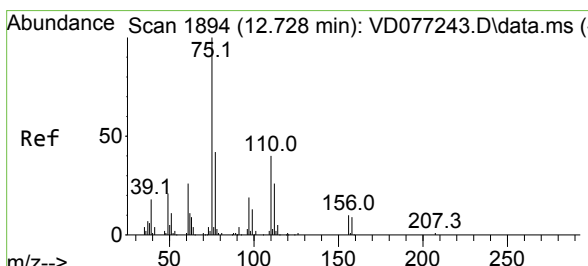
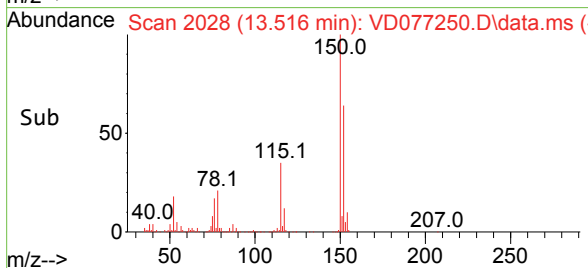
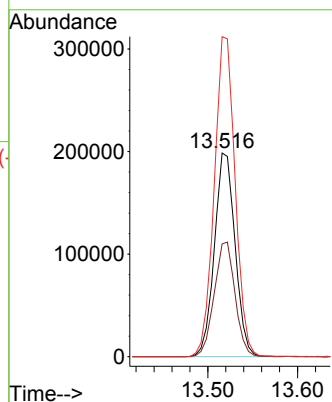
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VD077250.D
 Acq: 29 Sep 2023 17:53

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:152 Resp: 318004

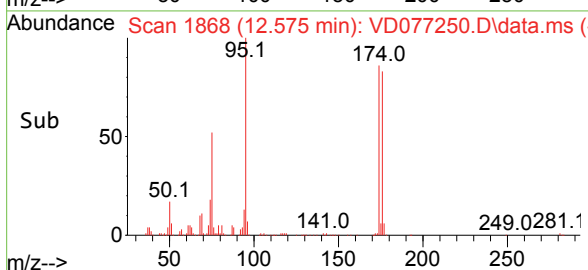
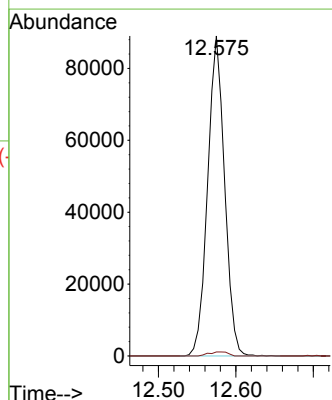
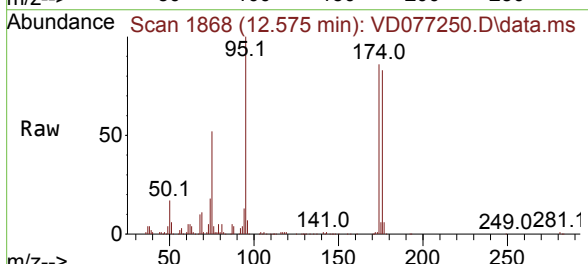
Ion	Ratio	Lower	Upper
152	100		
115	56.7	27.1	81.3
150	158.5	0.0	353.6

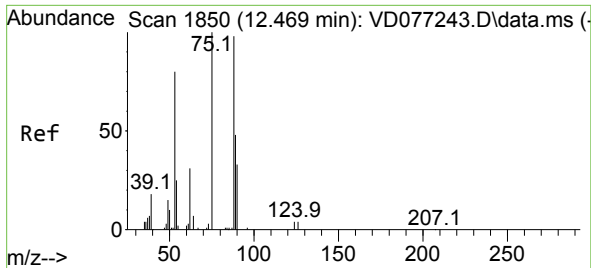


#76
 1,2,3-Trichloropropane
 Concen: 53.260 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.153 min
 Lab File: VD077250.D
 Acq: 29 Sep 2023 17:53

Tgt Ion: 75 Resp: 135102

Ion	Ratio	Lower	Upper
75	100		
77	1.4	0.0	0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 100.811 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD077250.D
 Acq: 29 Sep 2023 17:53

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion: 75 Resp: 135102
 Ion Ratio Lower Upper
 75 100
 53 0.0 63.0 94.4#
 89 0.0 37.9 56.9#

