

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092023\
 Data File : VD077167.D
 Acq On : 20 Sep 2023 15:20
 Operator : JC/SY
 Sample : 04434-01RE
 Misc : 5.08G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 21 02:24:36 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)

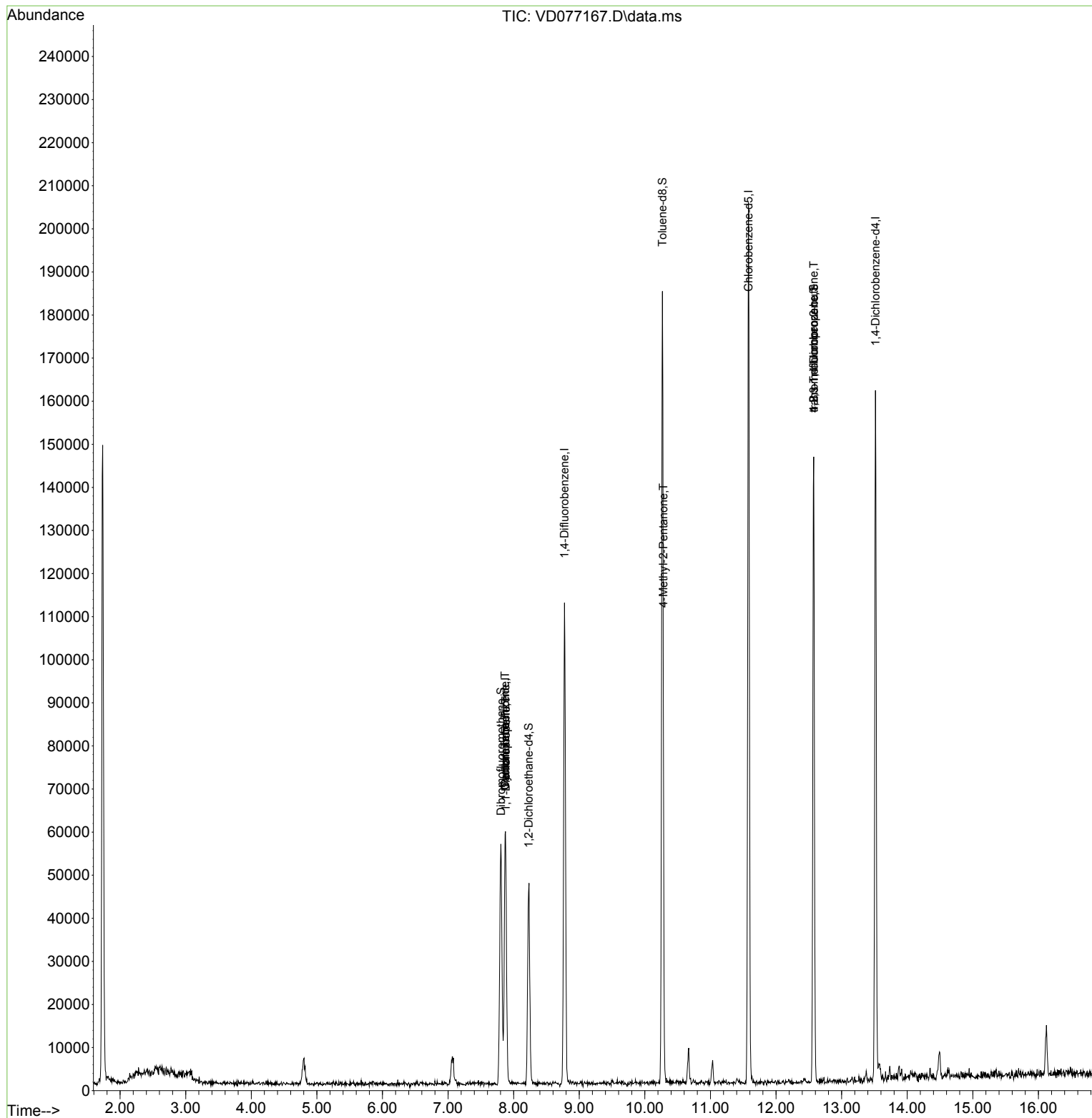
Internal Standards						
1) Pentafluorobenzene	7.875	168	47244	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	101667	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	122808	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	44844	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	35909	75.314	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 150.620%	
35) Dibromofluoromethane	7.810	113	40012	56.660	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.320%	
50) Toluene-d8	10.269	98	130121	51.768	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.540%	
62) 4-Bromofluorobenzene	12.575	95	44497	57.116	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 114.240%	
Target Compounds						Qvalue
31) Cyclohexane	7.869	56	1034	1.240	ug/l #	24
36) 1,1-Dichloropropene	7.881	75	3856	3.626	ug/l #	42
38) Carbon Tetrachloride	7.869	117	4741	4.536	ug/l #	11
51) 4-Methyl-2-Pentanone	10.281	43	598	1.522	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	21848	61.078	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	21848	115.608	ug/l #	17

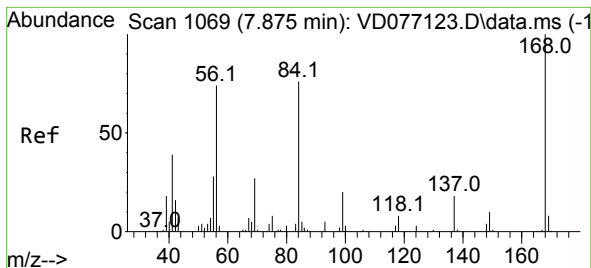
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD077167.D

Acq: 20 Sep 2023 15:20

Instrument :

MSVOA_D

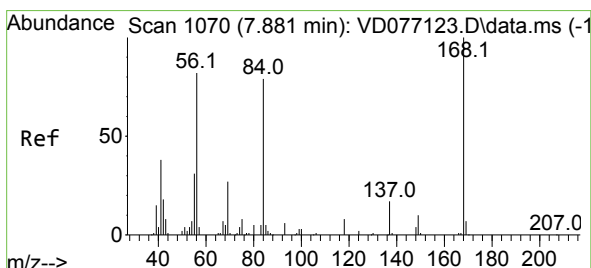
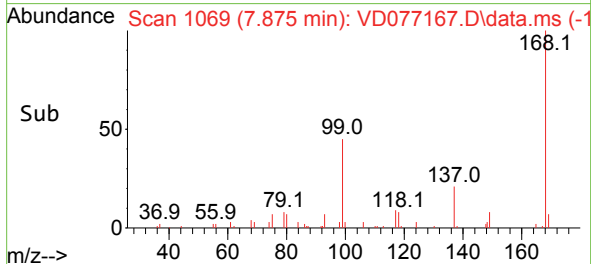
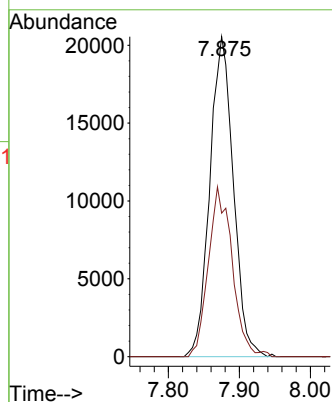
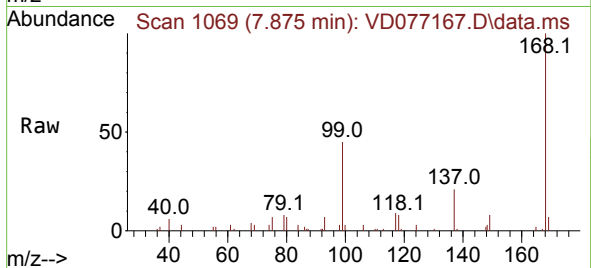
ClientSampleId :

Tgt Ion:168 Resp: 47244

Ion Ratio Lower Upper

168 100

99 44.8 36.7 55.1



#31

Cyclohexane

Concen: 1.240 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.012 min

Lab File: VD077167.D

Acq: 20 Sep 2023 15:20

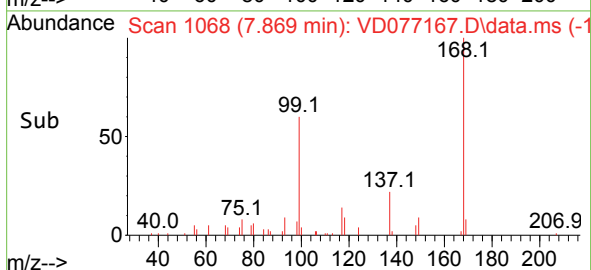
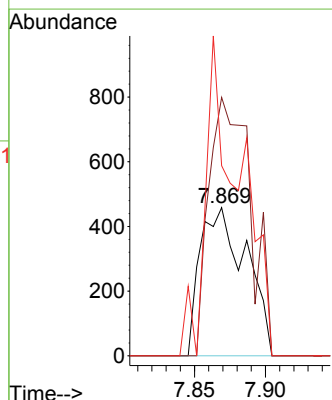
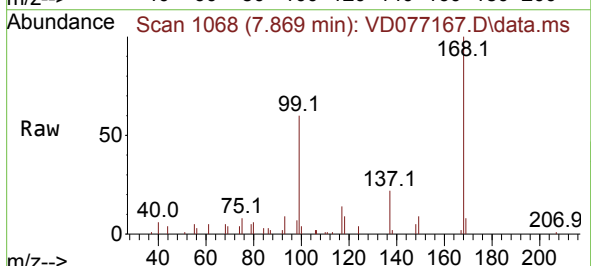
Tgt Ion: 56 Resp: 1034

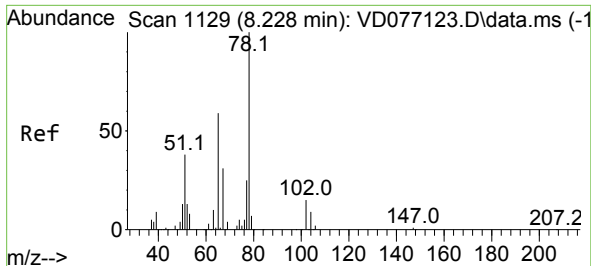
Ion Ratio Lower Upper

56 100

69 174.5 28.6 43.0#

84 128.4 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 75.314 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD077167.D

Acq: 20 Sep 2023 15:20

Instrument :

MSVOA_D

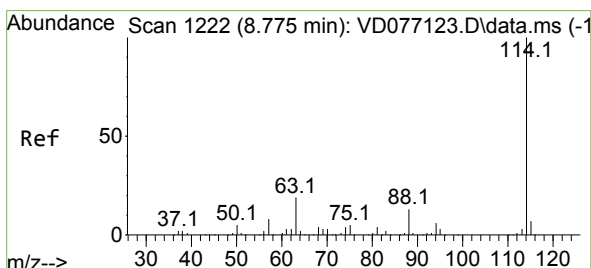
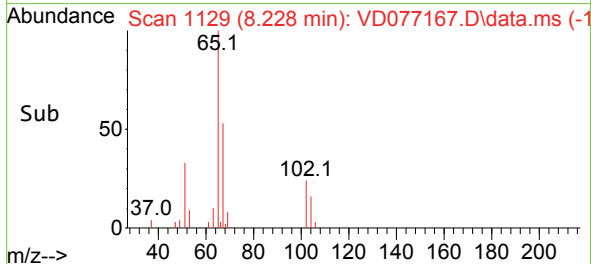
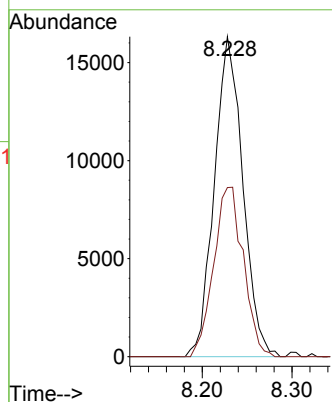
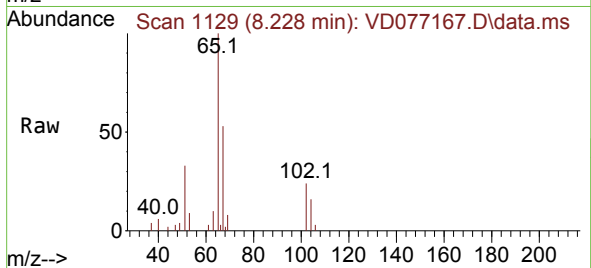
ClientSampleId :

Tgt Ion: 65 Resp: 35909

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# 1222

Delta R.T. 0.000 min

Lab File: VD077167.D

Acq: 20 Sep 2023 15:20

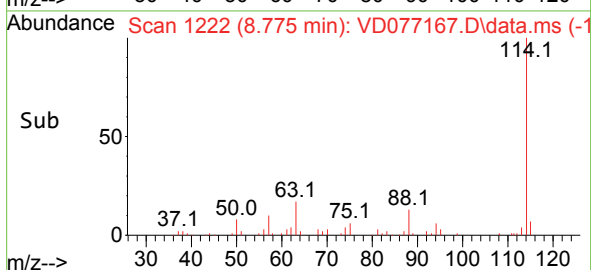
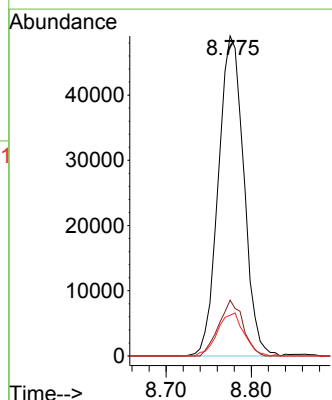
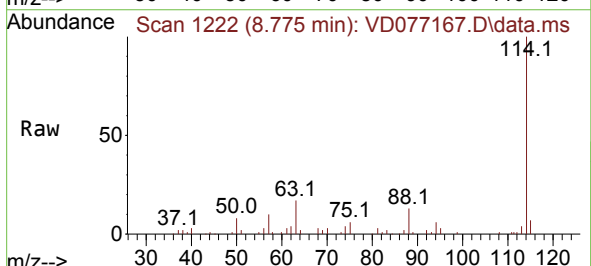
Tgt Ion: 114 Resp: 101667

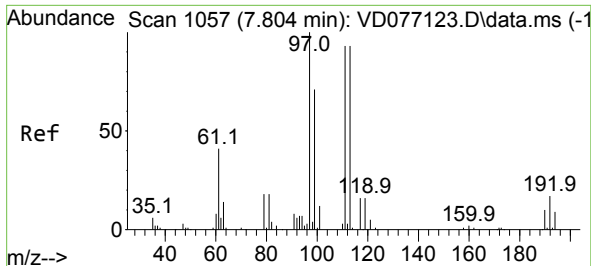
Ion Ratio Lower Upper

114 100

63 17.5 0.0 33.4

88 12.8 0.0 26.2





#35

Dibromofluoromethane

Concen: 56.660 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

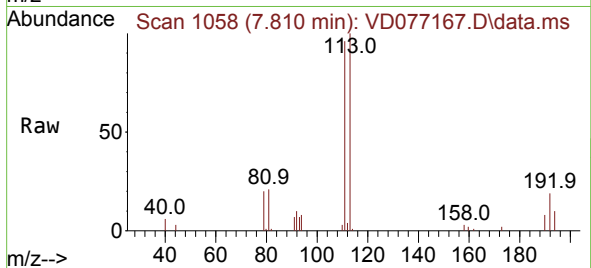
Lab File: VD077167.D

Acq: 20 Sep 2023 15:20

Instrument :

MSVOA_D

ClientSampleId :



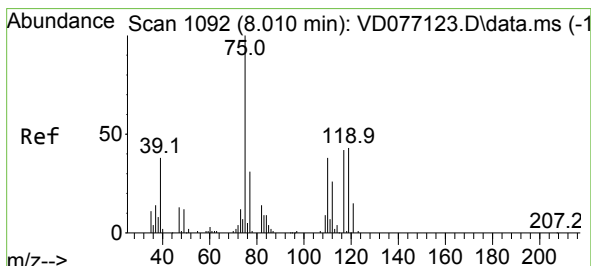
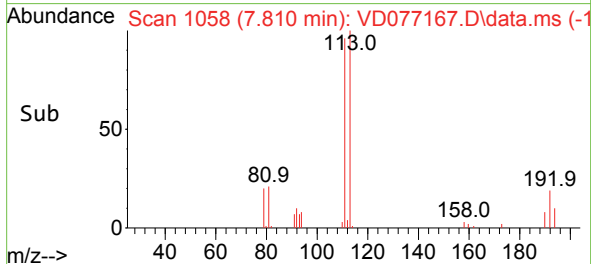
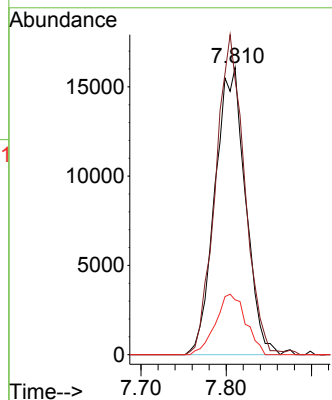
Tgt Ion:113 Resp: 40012

Ion Ratio Lower Upper

113 100

111 106.2 84.7 127.1

192 20.9 16.8 25.2



#36

1,1-Dichloropropene

Concen: 3.626 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.129 min

Lab File: VD077167.D

Acq: 20 Sep 2023 15:20

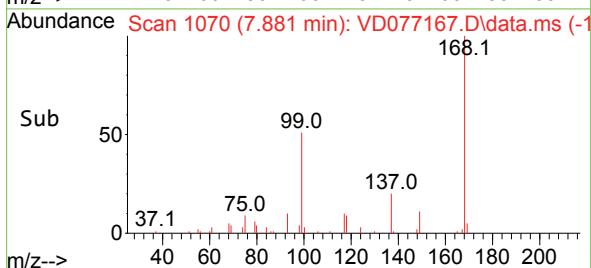
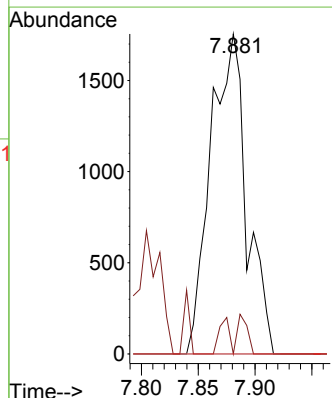
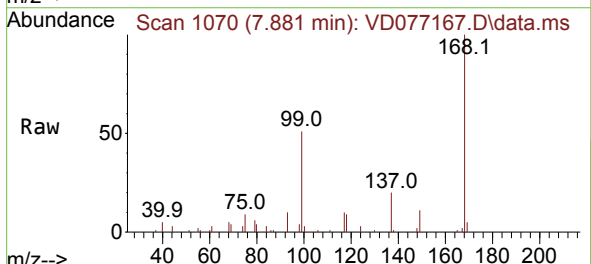
Tgt Ion: 75 Resp: 3856

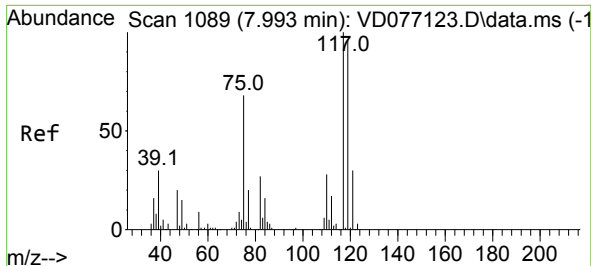
Ion Ratio Lower Upper

75 100

110 3.4 19.9 59.6#

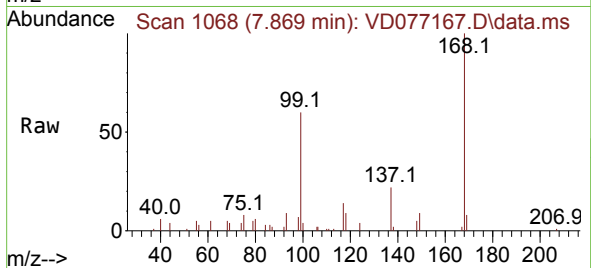
77 0.0 24.7 37.1#



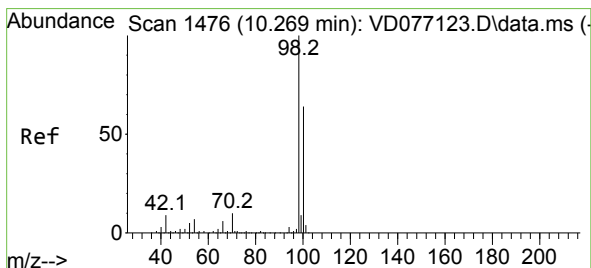
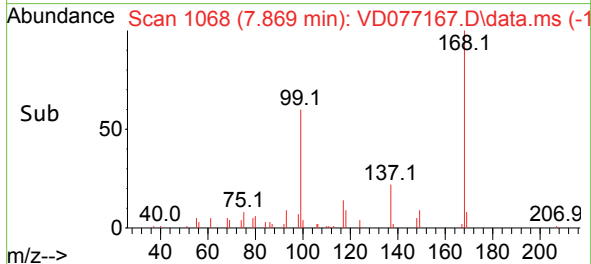
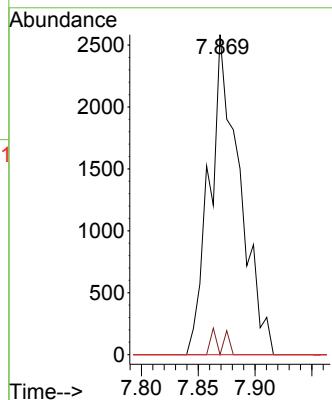


#38
Carbon Tetrachloride
Concen: 4.536 ug/l
RT: 7.869 min Scan# 1089
Delta R.T. -0.123 min
Lab File: VD077167.D
Acq: 20 Sep 2023 15:20

Instrument :
MSVOA_D
ClientSampleId :

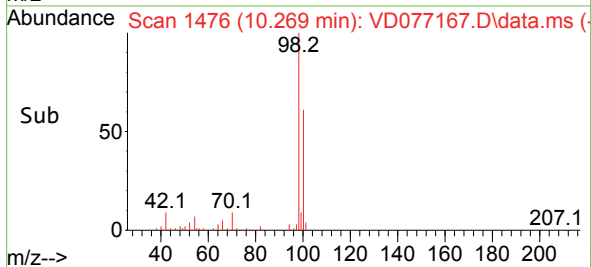
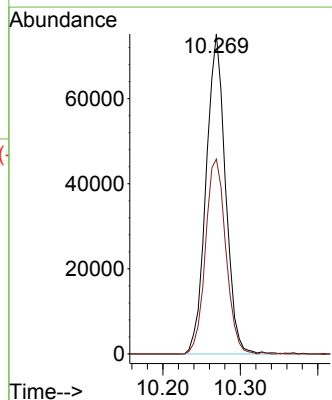
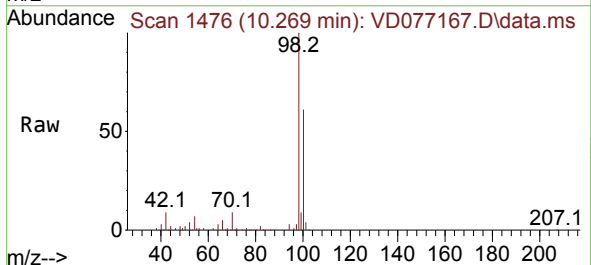


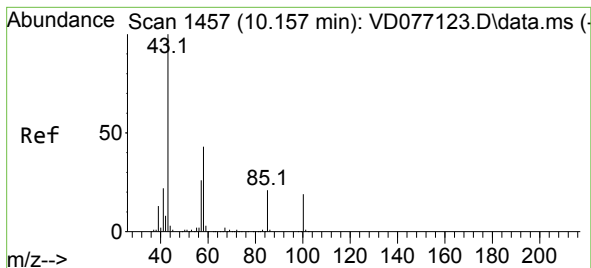
Tgt Ion:117 Resp: 4741
Ion Ratio Lower Upper
117 100
119 0.0 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 51.768 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077167.D
Acq: 20 Sep 2023 15:20

Tgt Ion: 98 Resp: 130121
Ion Ratio Lower Upper
98 100
100 64.0 50.3 75.5

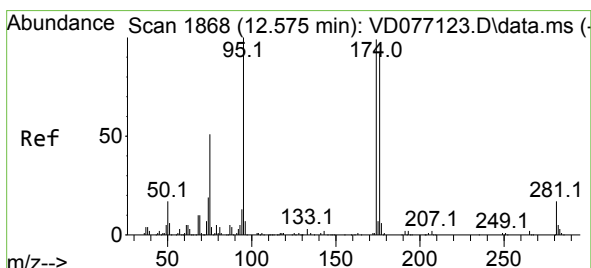
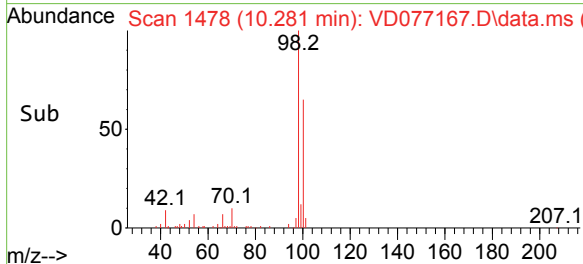
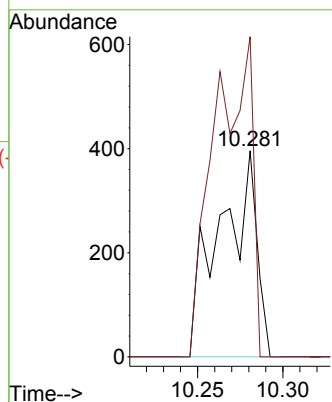
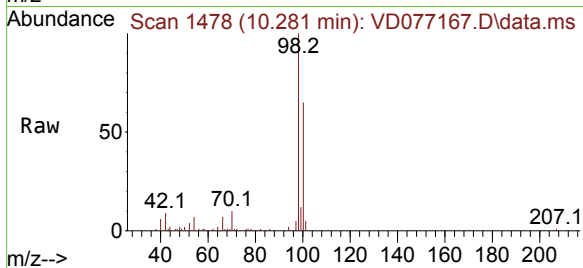




#51
4-Methyl-2-Pentanone
Concen: 1.522 ug/l
RT: 10.281 min Scan# 1457
Delta R.T. 0.124 min
Lab File: VD077167.D
Acq: 20 Sep 2023 15:20

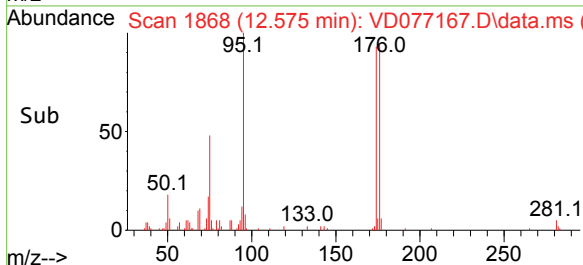
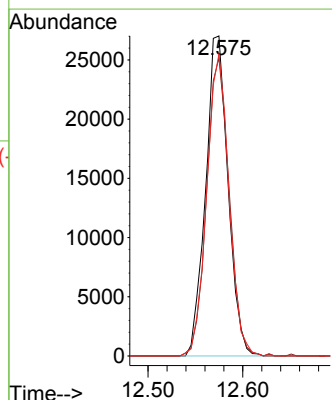
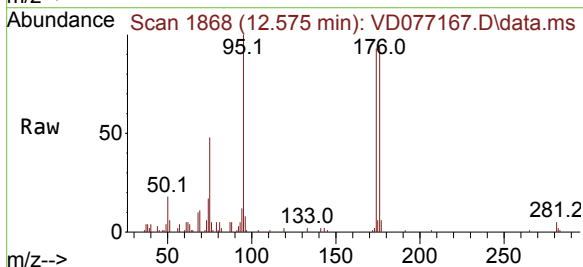
Instrument :
MSVOA_D
ClientSampleId :

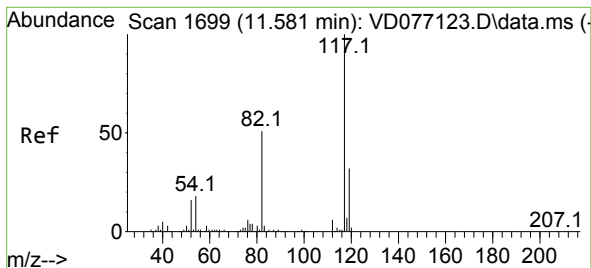
Tgt Ion: 43 Resp: 598
Ion Ratio Lower Upper
43 100
58 159.2 38.9 58.3#



#62
4-Bromofluorobenzene
Concen: 57.116 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD077167.D
Acq: 20 Sep 2023 15:20

Tgt Ion: 95 Resp: 44497
Ion Ratio Lower Upper
95 100
174 93.3 0.0 201.8
176 93.3 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. 0.000 min

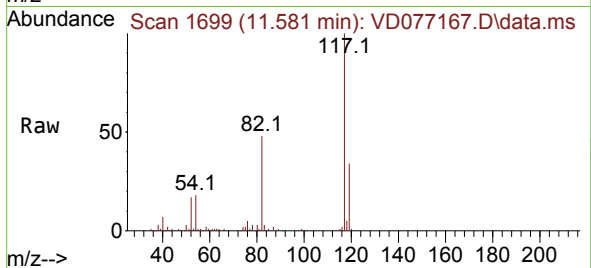
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Acq: 20 Sep 2023 15:20

Instrument :

MSVOA_D

ClientSampleId :



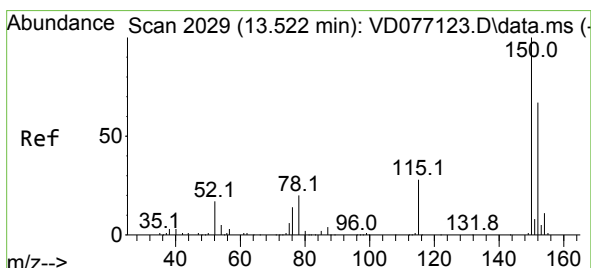
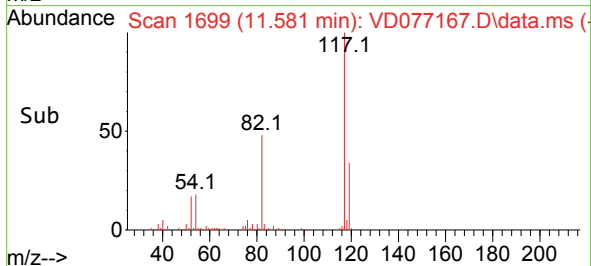
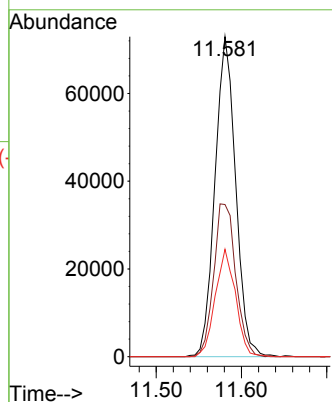
Tgt Ion:117 Resp: 122808

Ion Ratio Lower Upper

117 100

82 47.5 38.3 57.5

119 33.6 25.0 37.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. -0.006 min

Lab File: VD077167.D

Acq: 20 Sep 2023 15:20

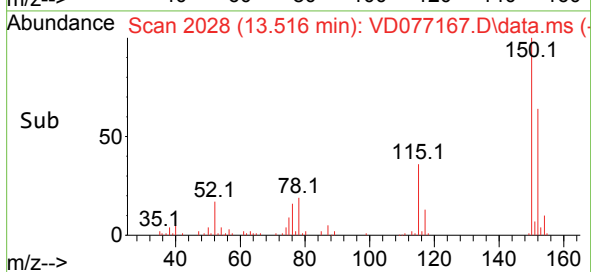
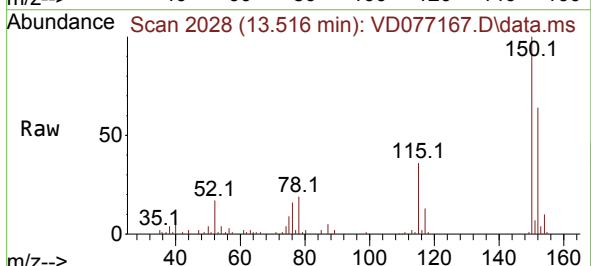
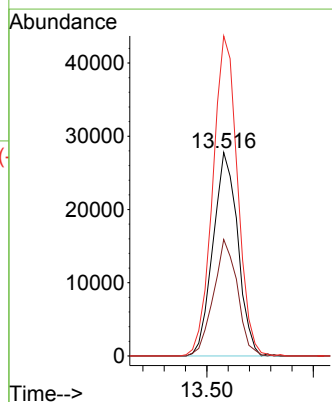
Tgt Ion:152 Resp: 44844

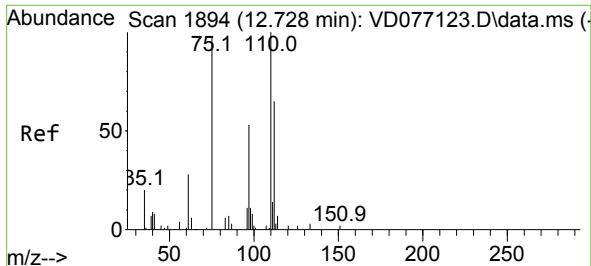
Ion Ratio Lower Upper

152 100

115 55.4 27.1 81.3

150 157.2 0.0 353.6

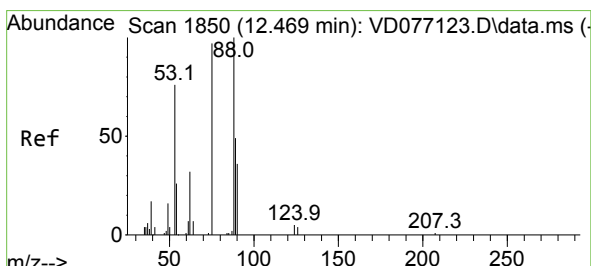
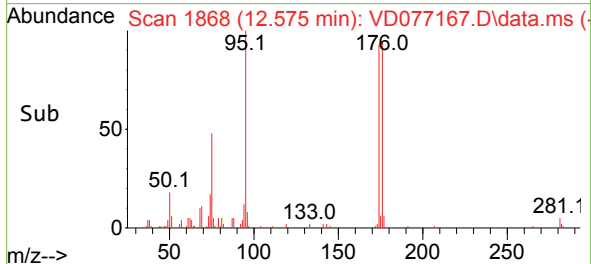
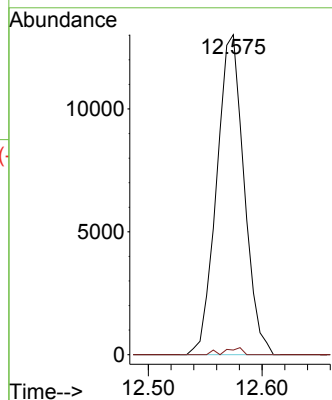
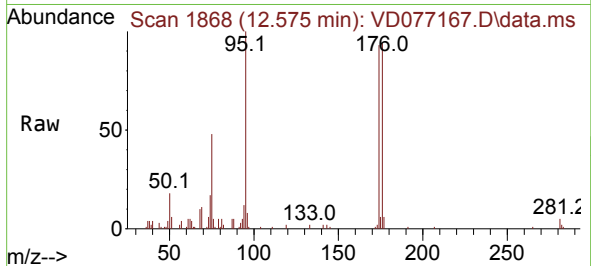




#76
1,2,3-Trichloropropane
Concen: 61.078 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD077167.D
Acq: 20 Sep 2023 15:20

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 21848
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 115.608 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077167.D
Acq: 20 Sep 2023 15:20

Tgt Ion: 75 Resp: 21848
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

