

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071823\
 Data File : VD076777.D
 Acq On : 18 Jul 2023 14:49
 Operator : KP/SY
 Sample : 03645-07
 Misc : 5.92G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 DUP

Quant Time: Jul 19 06:43:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 08:07:52 2023
 Response via : Initial Calibration

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

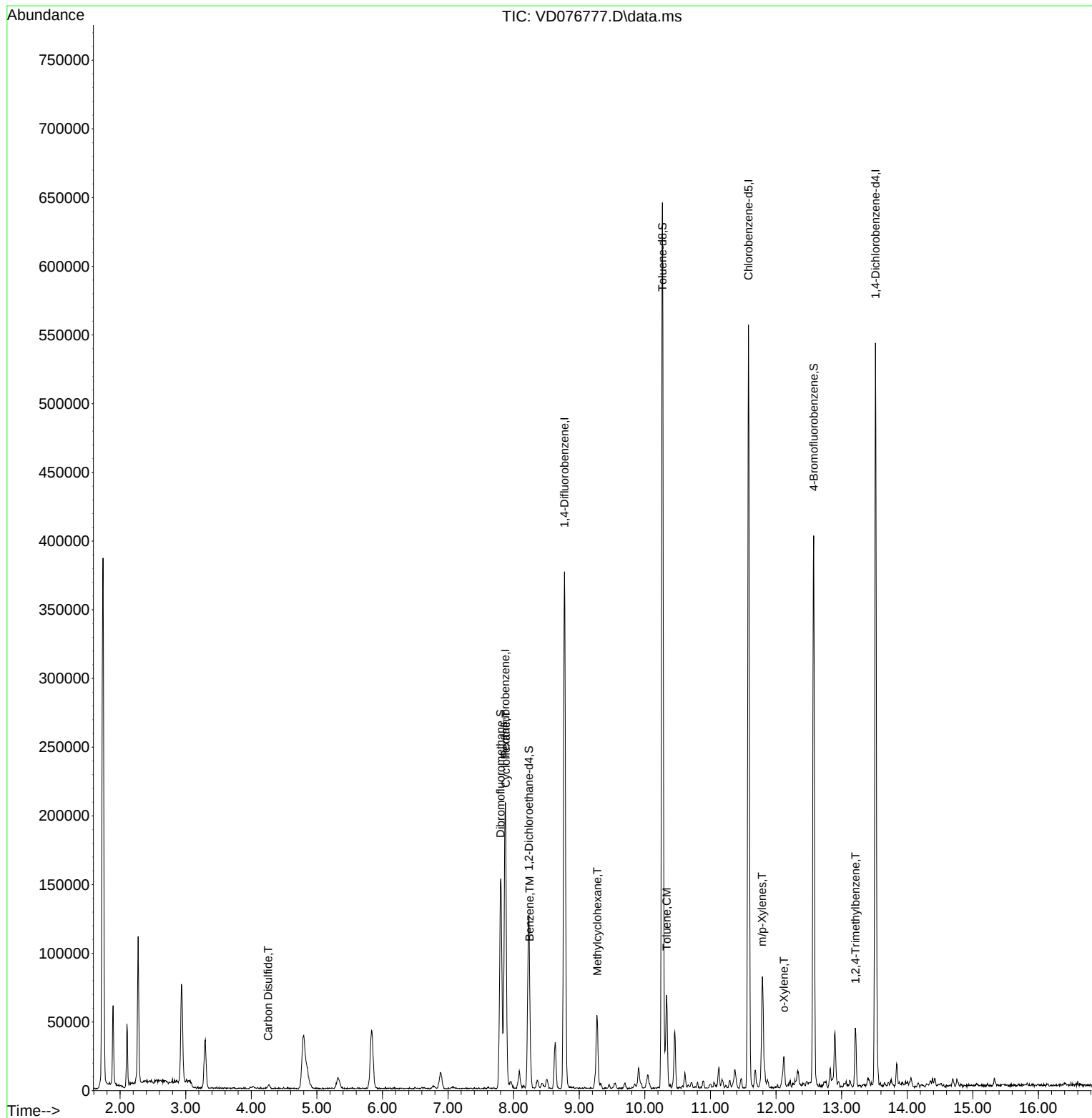
Internal Standards						
1) Pentafluorobenzene	7.875	168	147654	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	354882	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	328863	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	141705	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	93783	63.768	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 127.540%	
35) Dibromofluoromethane	7.799	113	114850	51.500	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.000%	
50) Toluene-d8	10.269	98	445191	55.803	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 111.600%	
62) 4-Bromofluorobenzene	12.575	95	126360	48.960	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.920%	
Target Compounds						
					Qvalue	
17) Carbon Disulfide	4.258	76	4962	1.456	ug/l #	93
31) Cyclohexane	7.881	56	12832	5.929	ug/l #	81
39) Methylcyclohexane	9.275	83	22081	6.562	ug/l	96
40) Benzene	8.246	78	14611	1.589	ug/l	96
52) Toluene	10.334	92	28084	4.650	ug/l	100
68) m/p-Xylenes	11.787	106	18906	4.238	ug/l	93
69) o-Xylene	12.122	106	6555	1.519	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	23726	2.793	ug/l	99

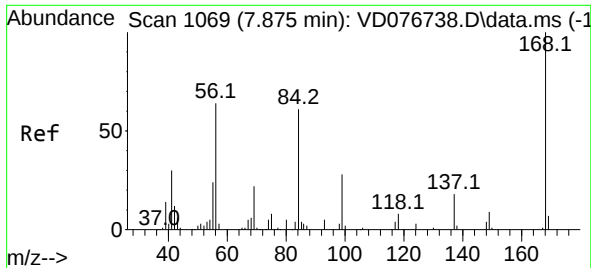
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071823\
Data File : VD076777.D
Acq On : 18 Jul 2023 14:49
Operator : KP/SY
Sample : 03645-07
Misc : 5.92G/5.0ml/MSVOA_D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
DUP

Quant Time: Jul 19 06:43:37 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
Quant Title : SW846 8260
QLast Update : Mon Jul 17 08:07:52 2023
Response via : Initial Calibration

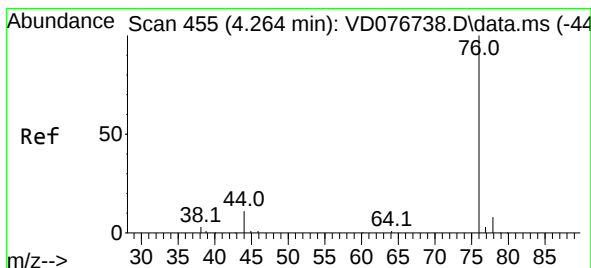
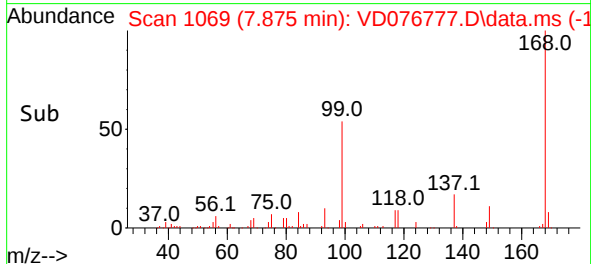
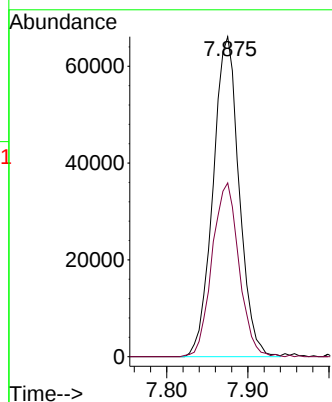
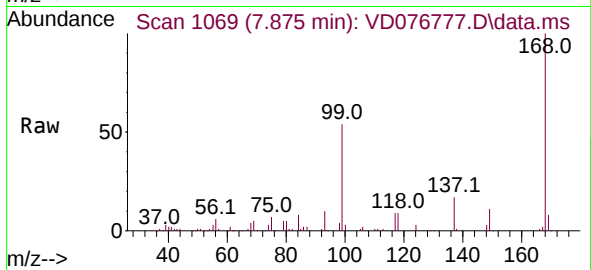




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076777.D
Acq: 18 Jul 2023 14:49

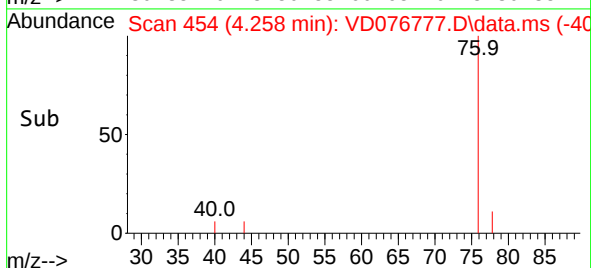
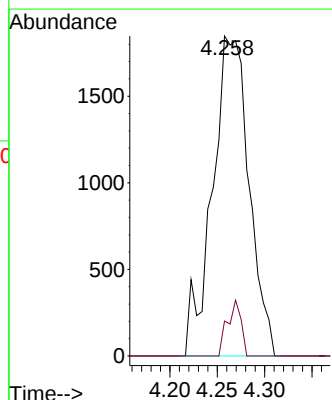
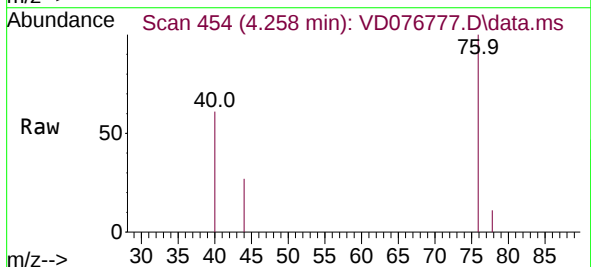
Instrument :
MSVOA_D
ClientSampleId :
DUP

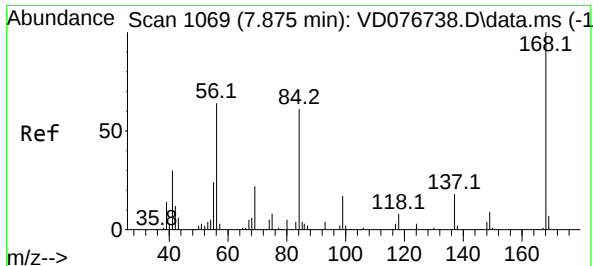
Tgt Ion:168 Resp: 147654
Ion Ratio Lower Upper
168 100
99 54.3 36.7 55.1



#17
Carbon Disulfide
Concen: 1.456 ug/l
RT: 4.258 min Scan# 454
Delta R.T. -0.006 min
Lab File: VD076777.D
Acq: 18 Jul 2023 14:49

Tgt Ion: 76 Resp: 4962
Ion Ratio Lower Upper
76 100
78 10.9 6.8 10.2#

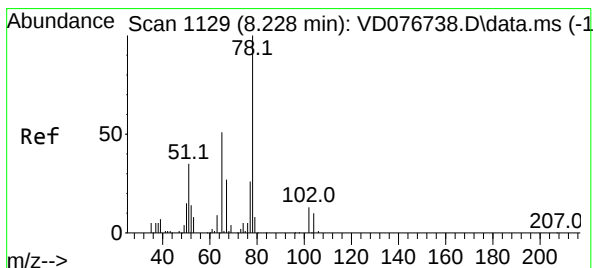
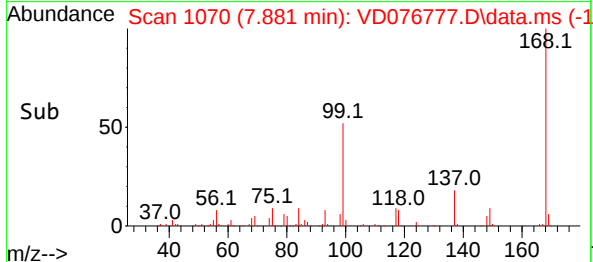
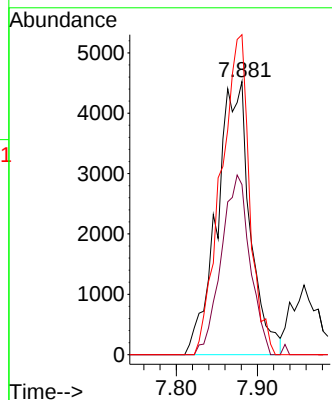
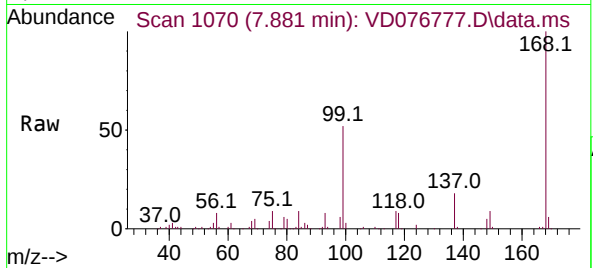




#31
Cyclohexane
Concen: 5.929 ug/l
RT: 7.881 min Scan# 110
Delta R.T. 0.006 min
Lab File: VD076777.D
Acq: 18 Jul 2023 14:49

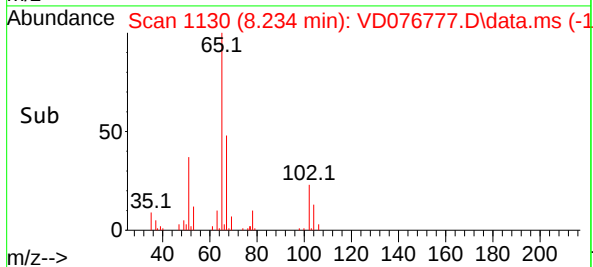
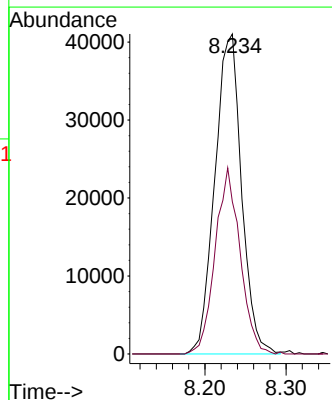
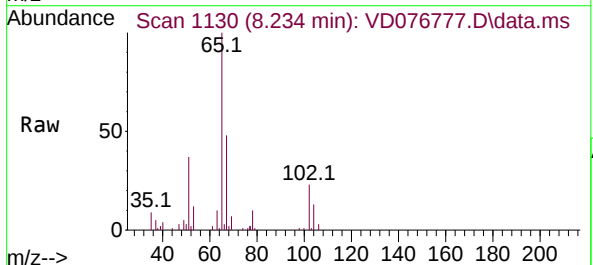
Instrument :
MSVOA_D
ClientSampleId :
DUP

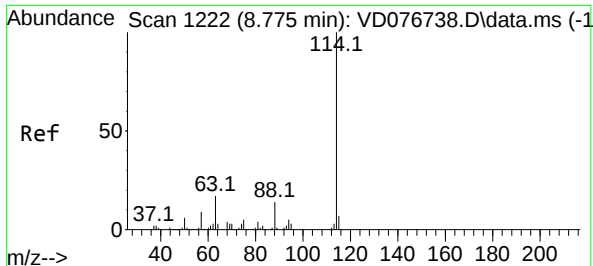
Tgt Ion: 56 Resp: 12832
Ion Ratio Lower Upper
56 100
69 62.3 28.6 43.0#
84 117.2 84.8 127.2



#33
1,2-Dichloroethane-d4
Concen: 63.768 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD076777.D
Acq: 18 Jul 2023 14:49

Tgt Ion: 65 Resp: 93783
Ion Ratio Lower Upper
65 100
67 54.3 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: VD076777.D

Acq: 18 Jul 2023 14:49

Instrument :

MSVOA_D

ClientSampleId :

DUP

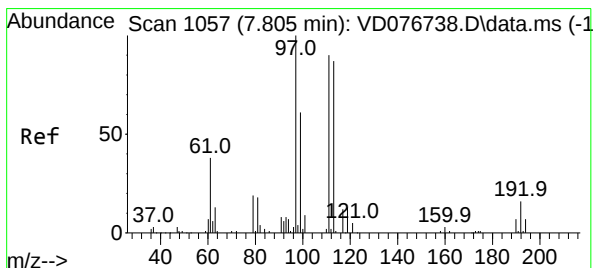
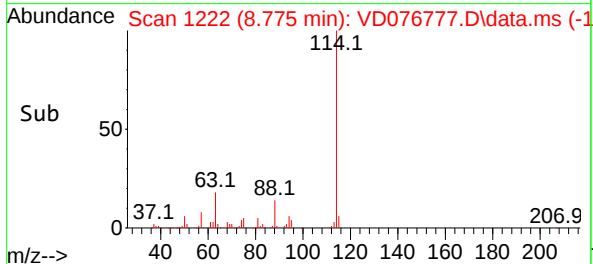
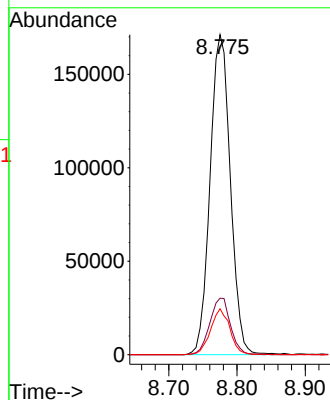
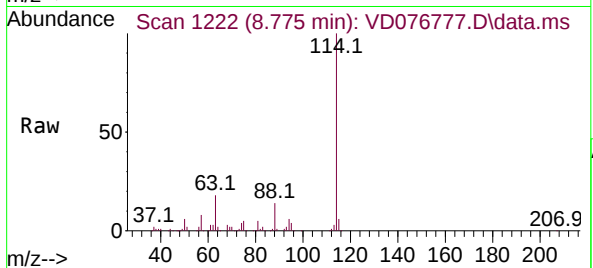
Tgt Ion:114 Resp: 354882

Ion Ratio Lower Upper

114 100

63 17.7 0.0 33.4

88 14.3 0.0 26.2



#35

Dibromofluoromethane

Concen: 51.500 ug/l

RT: 7.799 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VD076777.D

Acq: 18 Jul 2023 14:49

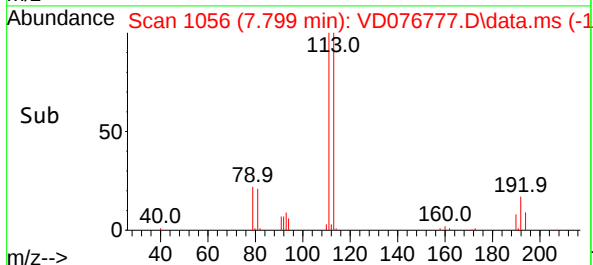
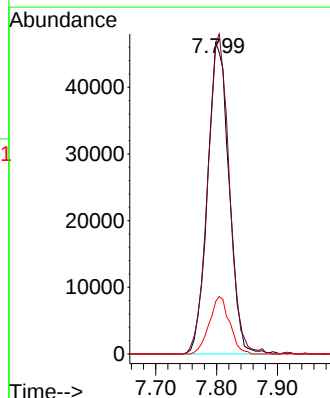
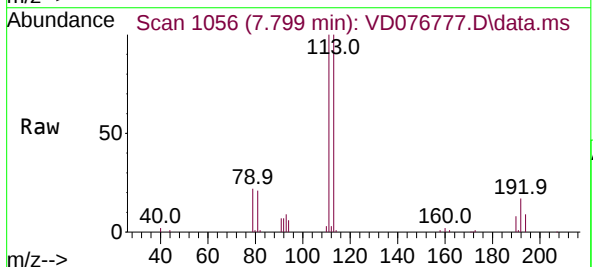
Tgt Ion:113 Resp: 114850

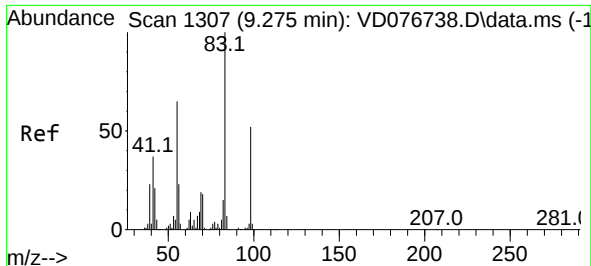
Ion Ratio Lower Upper

113 100

111 102.4 84.7 127.1

192 17.3 16.8 25.2





#39

Methylcyclohexane

Concen: 6.562 ug/l

RT: 9.275 min Scan# 11307

Delta R.T. -0.000 min

Lab File: VD076777.D

Acq: 18 Jul 2023 14:49

Instrument :

MSVOA_D

ClientSampleId :

DUP

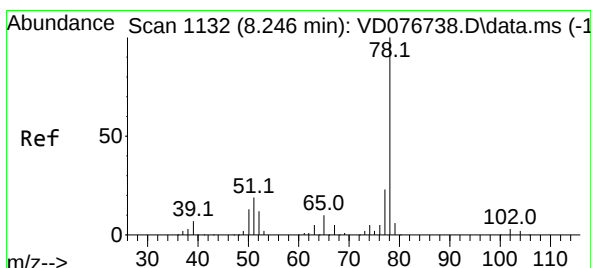
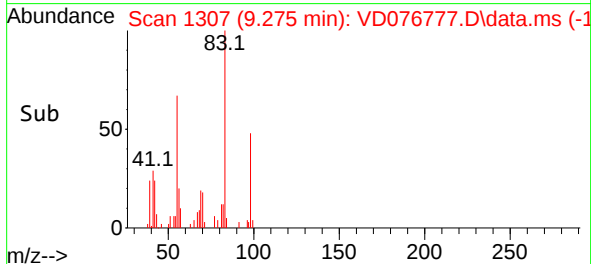
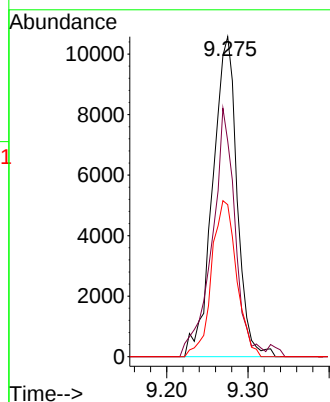
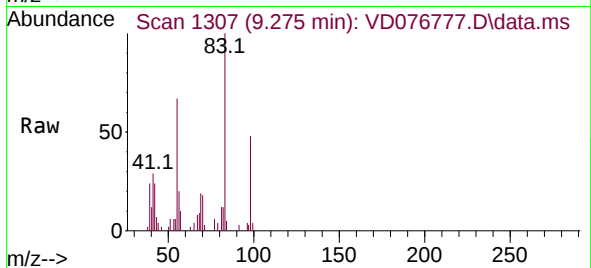
Tgt Ion: 83 Resp: 22081

Ion Ratio Lower Upper

83 100

55 67.3 49.4 74.0

98 47.5 38.4 57.6



#40

Benzene

Concen: 1.589 ug/l

RT: 8.246 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VD076777.D

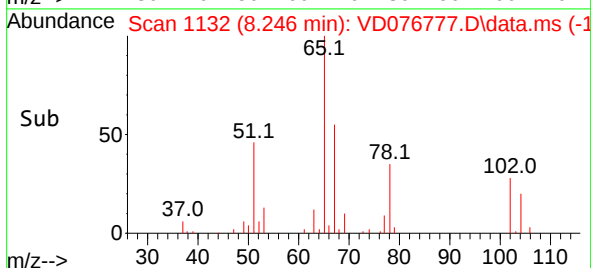
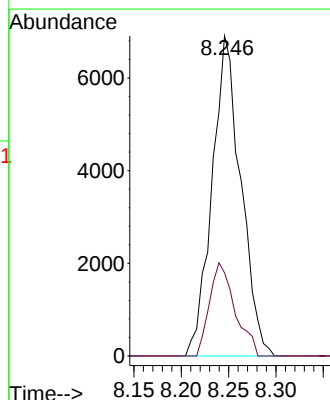
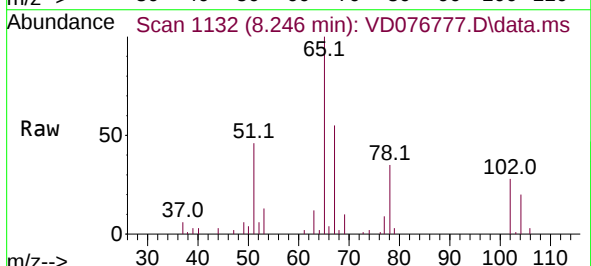
Acq: 18 Jul 2023 14:49

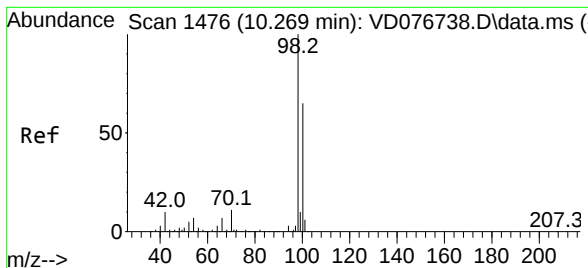
Tgt Ion: 78 Resp: 14611

Ion Ratio Lower Upper

78 100

77 26.0 19.4 29.0





#50

Toluene-d8

Concen: 55.803 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD076777.D

Acq: 18 Jul 2023 14:49

Instrument :

MSVOA_D

ClientSampleId :

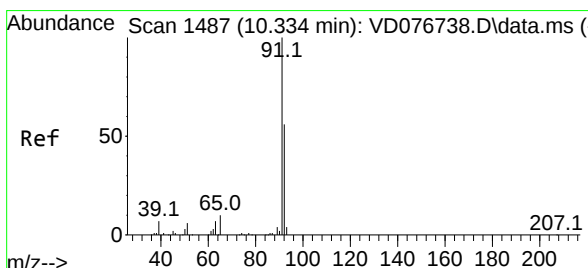
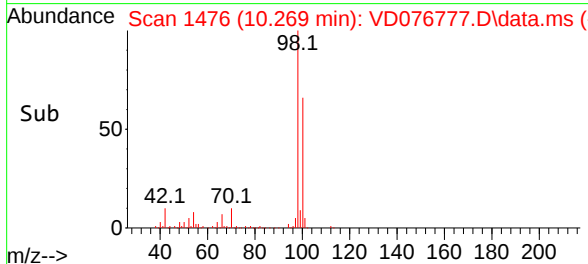
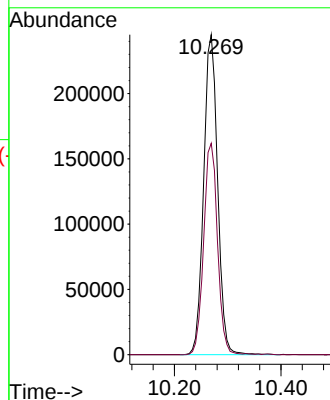
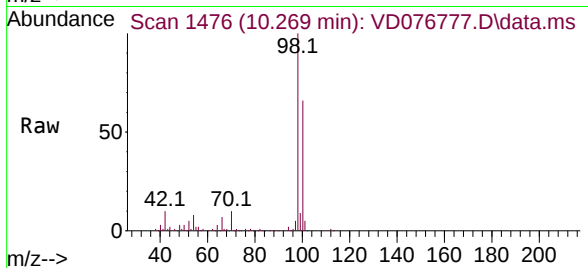
DUP

Tgt Ion: 98 Resp: 445191

Ion Ratio Lower Upper

98 100

100 65.5 50.3 75.5



#52

Toluene

Concen: 4.650 ug/l

RT: 10.334 min Scan# 1487

Delta R.T. -0.000 min

Lab File: VD076777.D

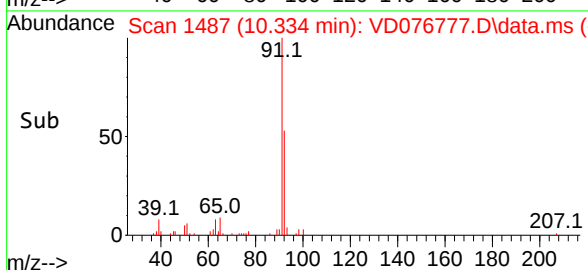
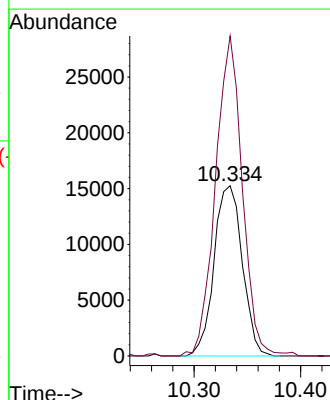
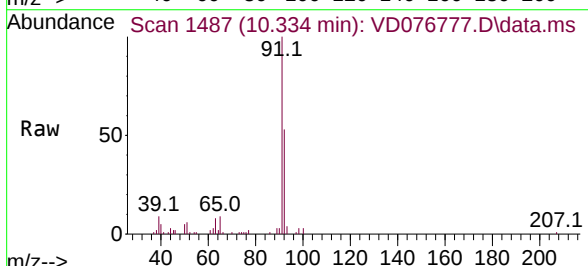
Acq: 18 Jul 2023 14:49

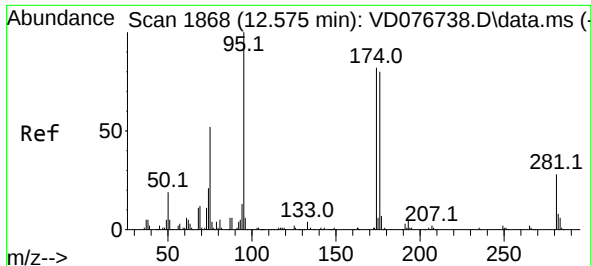
Tgt Ion: 92 Resp: 28084

Ion Ratio Lower Upper

92 100

91 178.5 143.0 214.4

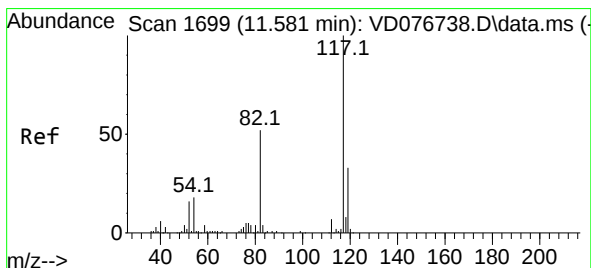
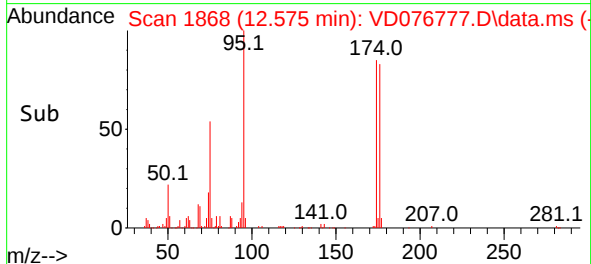
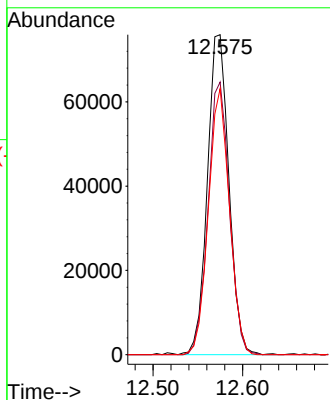
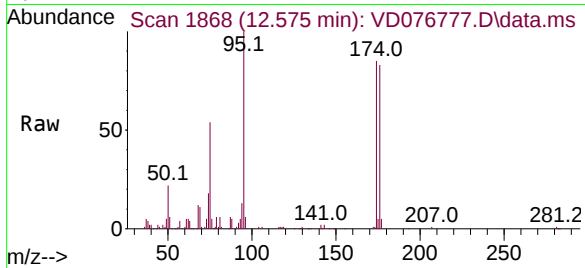




#62
4-Bromofluorobenzene
Concen: 48.960 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076777.D
Acq: 18 Jul 2023 14:49

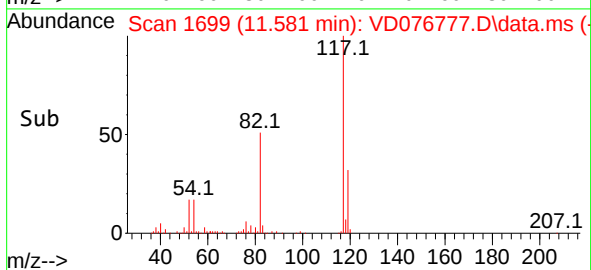
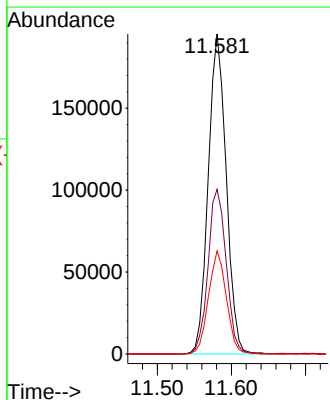
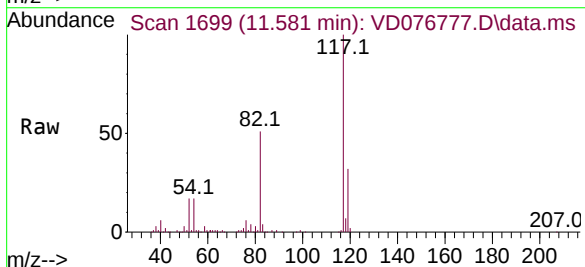
Instrument :
MSVOA_D
ClientSampleId :
DUP

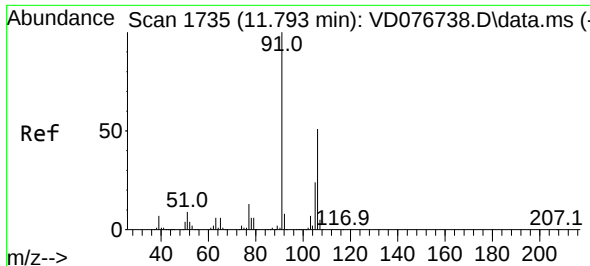
Tgt Ion: 95 Resp: 126360
Ion Ratio Lower Upper
95 100
174 84.6 0.0 201.8
176 81.3 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076777.D
Acq: 18 Jul 2023 14:49

Tgt Ion: 117 Resp: 328863
Ion Ratio Lower Upper
117 100
82 51.5 38.3 57.5
119 32.2 25.0 37.4

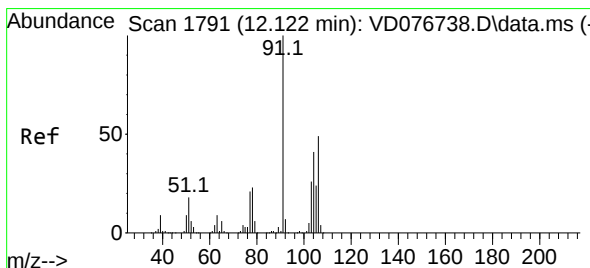
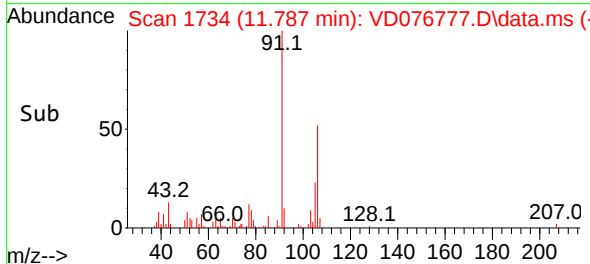
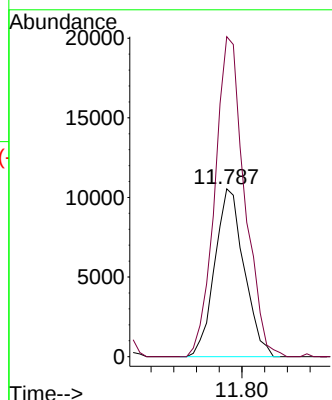
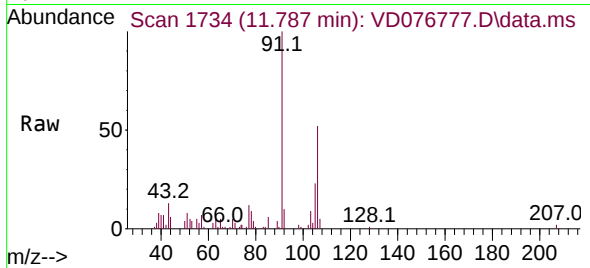




#68
m/p-Xylenes
Concen: 4.238 ug/l
RT: 11.787 min Scan# 1734
Delta R.T. -0.006 min
Lab File: VD076777.D
Acq: 18 Jul 2023 14:49

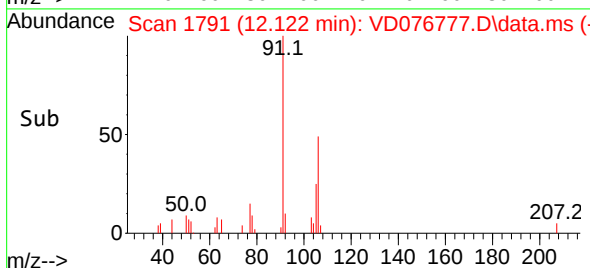
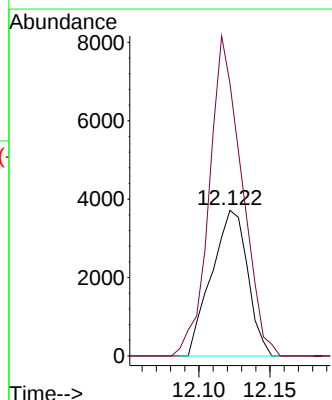
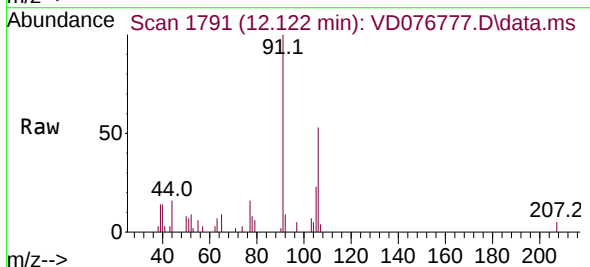
Instrument :
MSVOA_D
ClientSampleId :
DUP

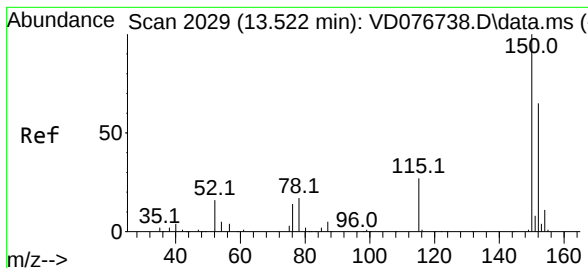
Tgt Ion:106 Resp: 18906
Ion Ratio Lower Upper
106 100
91 193.4 147.0 220.6



#69
o-Xylene
Concen: 1.519 ug/l
RT: 12.122 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VD076777.D
Acq: 18 Jul 2023 14:49

Tgt Ion:106 Resp: 6555
Ion Ratio Lower Upper
106 100
91 198.2 97.9 293.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2029

Delta R.T. -0.006 min

Lab File: VD076777.D

Acq: 18 Jul 2023 14:49

Instrument :

MSVOA_D

ClientSampleId :

DUP

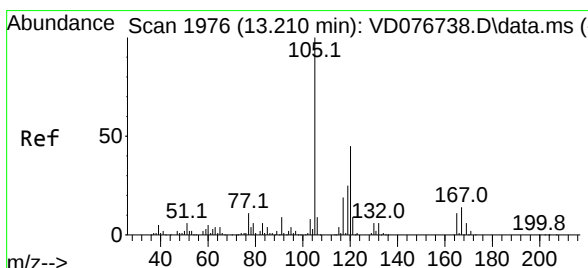
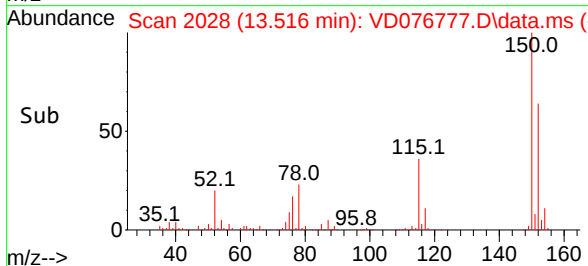
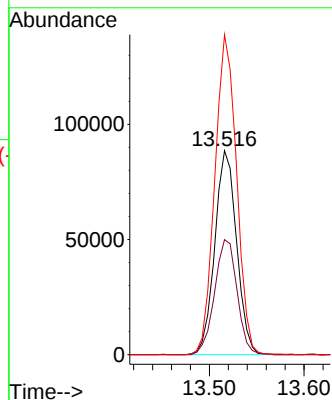
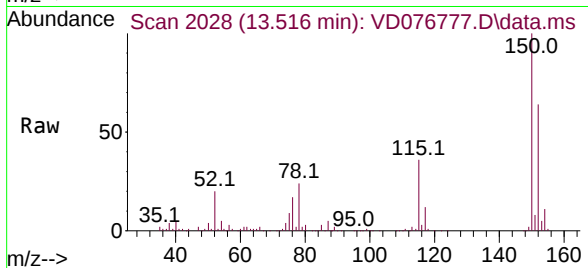
Tgt Ion:152 Resp: 141705

Ion Ratio Lower Upper

152 100

115 58.2 27.1 81.3

150 156.7 0.0 353.6



#84

1,2,4-Trimethylbenzene

Concen: 2.793 ug/l

RT: 13.210 min Scan# 1976

Delta R.T. 0.000 min

Lab File: VD076777.D

Acq: 18 Jul 2023 14:49

Tgt Ion:105 Resp: 23726

Ion Ratio Lower Upper

105 100

120 49.5 24.3 72.9

