

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)

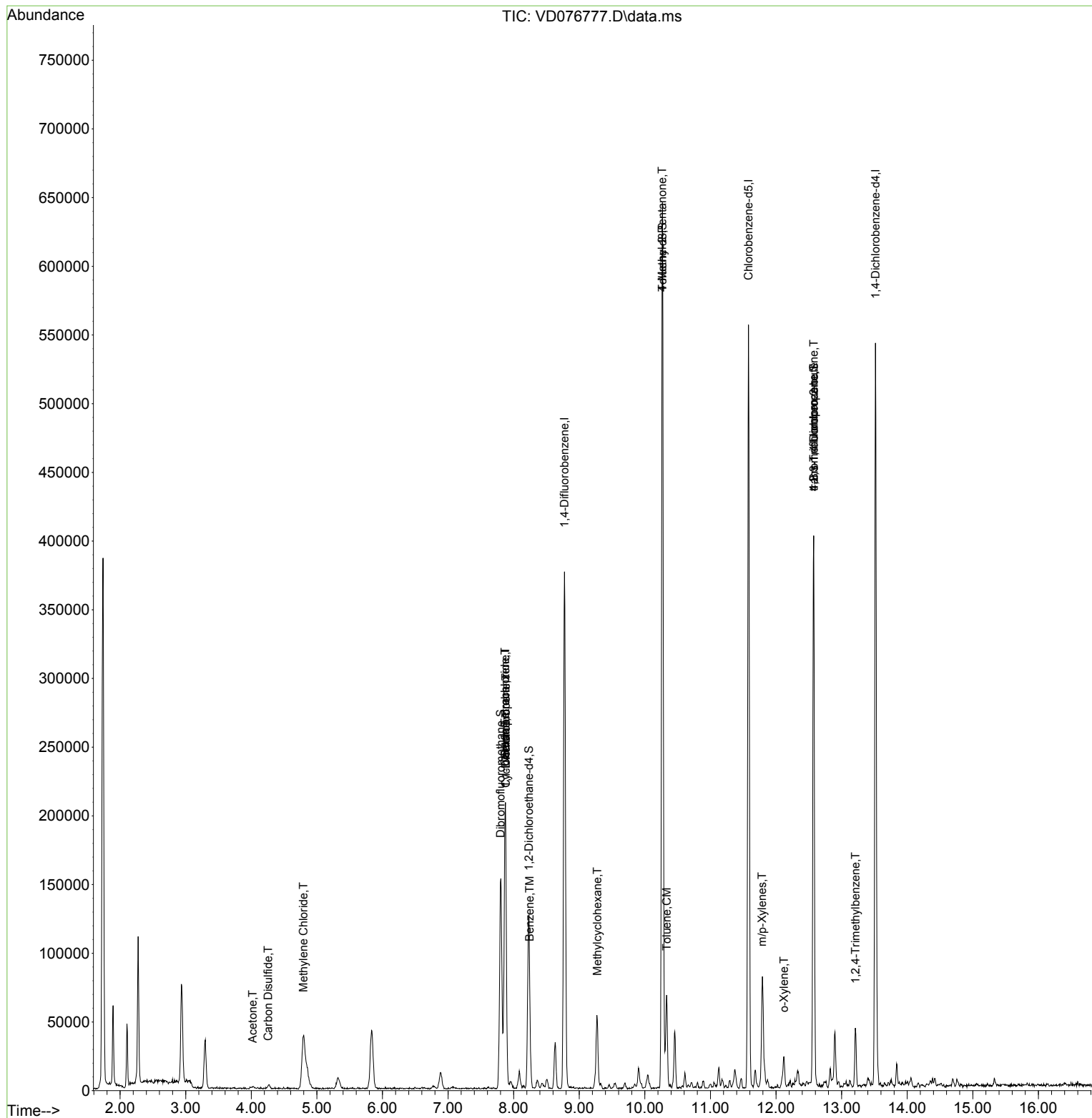
Internal Standards						
1) Pentafluorobenzene	7.875	168	147654	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	354882	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	328863	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	141705	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	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	
16) Acetone	4.022	43	2425	6.904	ug/l #	32
17) Carbon Disulfide	4.258	76	4962	1.456	ug/l #	93
20) Methylene Chloride	4.793	84	29510	4.799	ug/l	98
31) Cyclohexane	7.881	56	12832	5.929	ug/l #	81
36) 1,1-Dichloropropene	7.881	75	11893	4.081	ug/l #	48
38) Carbon Tetrachloride	7.869	117	14665	5.256	ug/l #	18
39) Methylcyclohexane	9.275	83	22081	6.562	ug/l	96
40) Benzene	8.246	78	14611	1.589	ug/l	96
51) 4-Methyl-2-Pentanone	10.263	43	2534	1.871	ug/l #	1
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
76) 1,2,3-Trichloropropane	12.575	75	67942	50.417	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	67942	107.301	ug/l #	17
84) 1,2,4-Trimethylbenzene	13.210	105	23726	2.793	ug/l	99

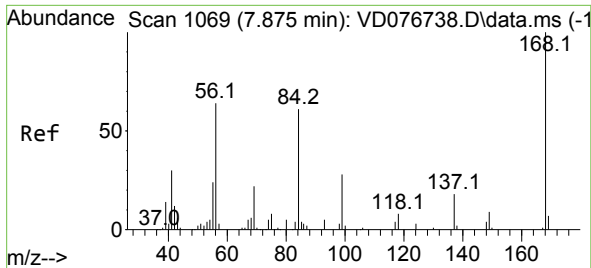
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

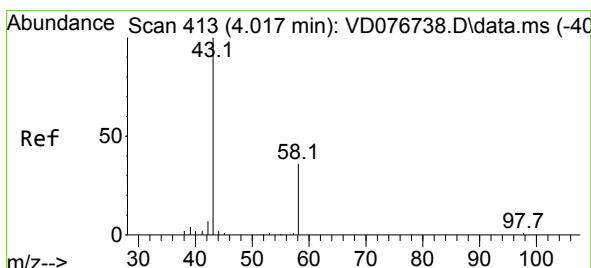
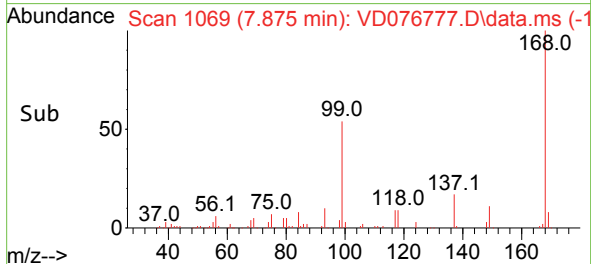
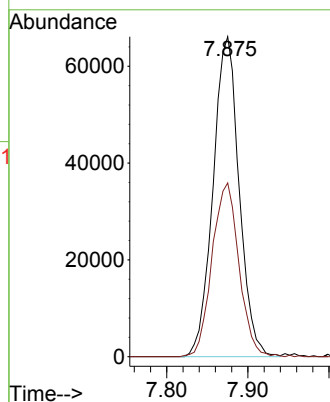
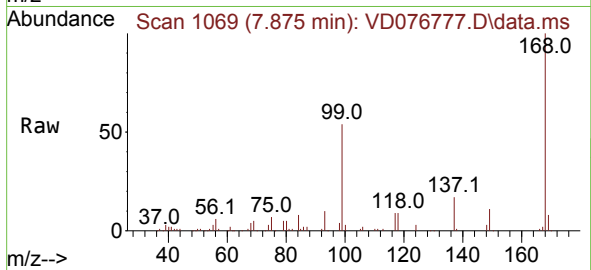




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076777.D
Acq: 18 Jul 2023 14:49

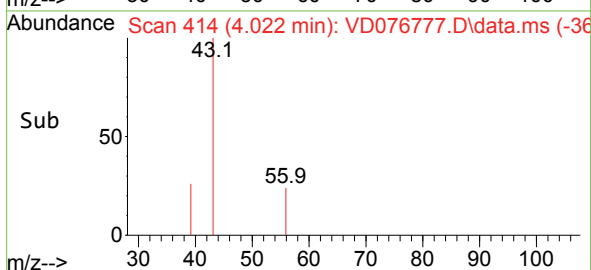
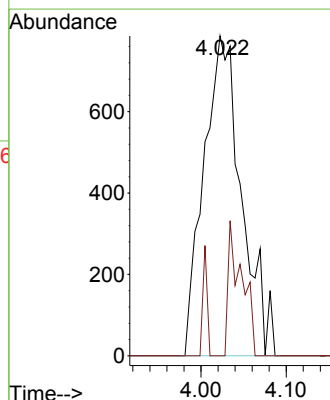
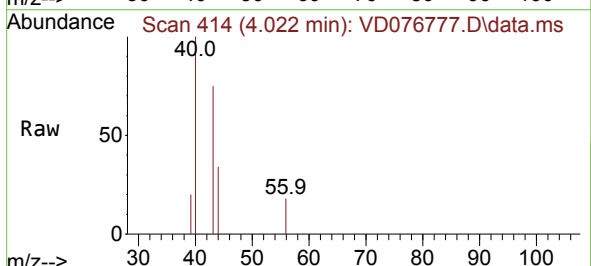
Instrument :
MSVOA_D
ClientSampleId :
DUP

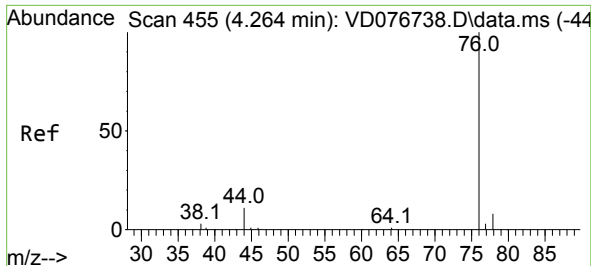
Tgt Ion:168 Resp: 147654
Ion Ratio Lower Upper
168 100
99 54.3 36.7 55.1



#16
Acetone
Concen: 6.904 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.005 min
Lab File: VD076777.D
Acq: 18 Jul 2023 14:49

Tgt Ion: 43 Resp: 2425
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#

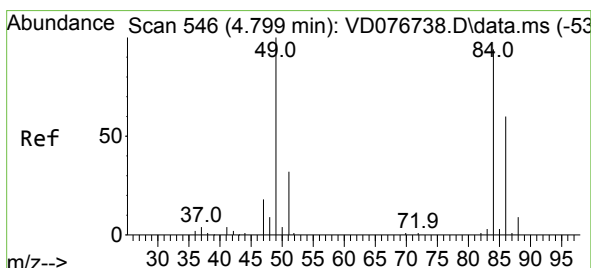
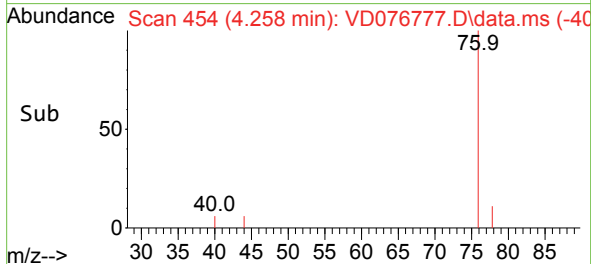
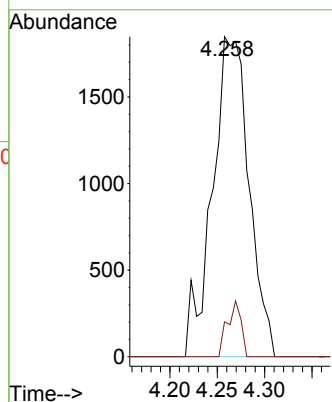
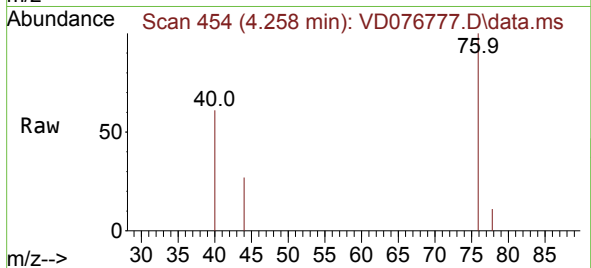




#17
Carbon Disulfide
Concen: 1.456 ug/l
RT: 4.258 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD076777.D
Acq: 18 Jul 2023 14:49

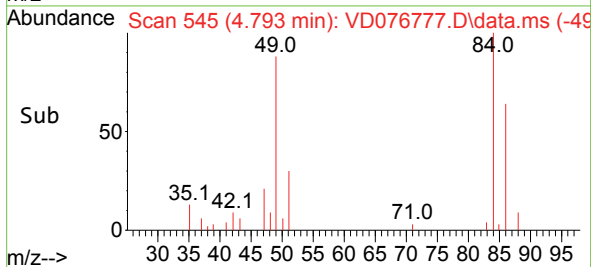
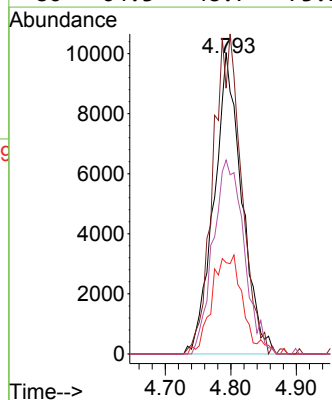
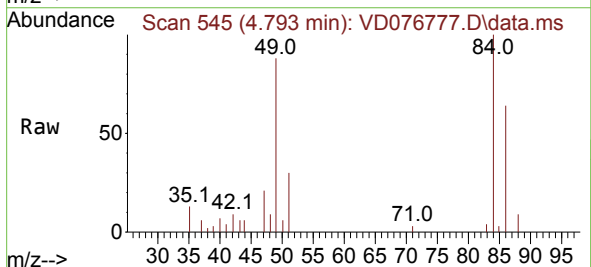
Instrument :
MSVOA_D
ClientSampleId :
DUP

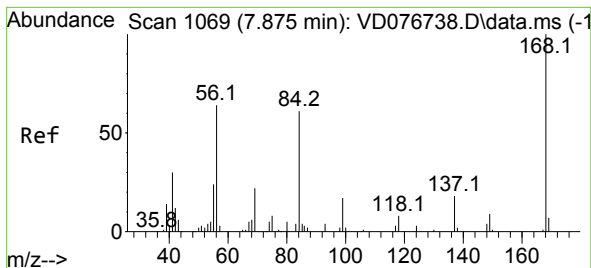
Tgt Ion: 76 Resp: 4962
Ion Ratio Lower Upper
76 100
78 10.9 6.8 10.2#



#20
Methylene Chloride
Concen: 4.799 ug/l
RT: 4.793 min Scan# 545
Delta R.T. -0.006 min
Lab File: VD076777.D
Acq: 18 Jul 2023 14:49

Tgt Ion: 84 Resp: 29510
Ion Ratio Lower Upper
84 100
49 88.2 71.4 107.2
51 30.3 24.5 36.7
86 64.3 48.7 73.1





#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

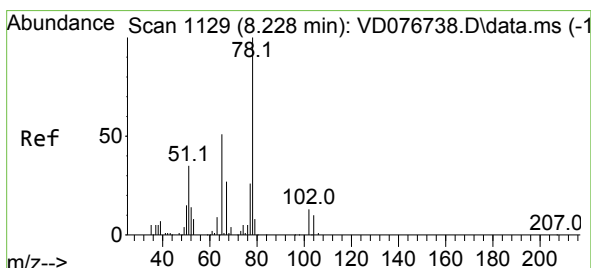
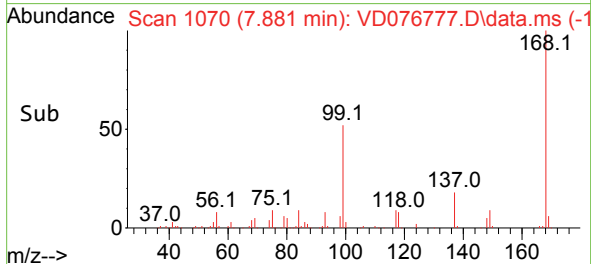
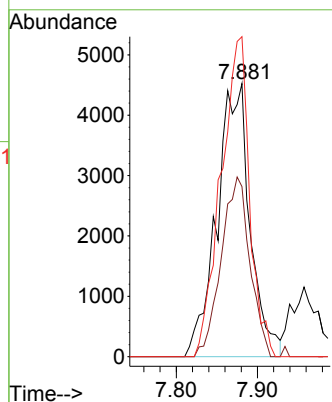
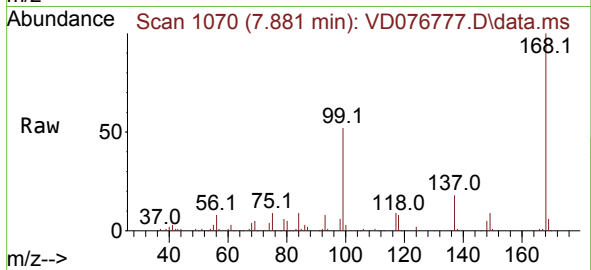
Tgt Ion: 56 Resp: 12832

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

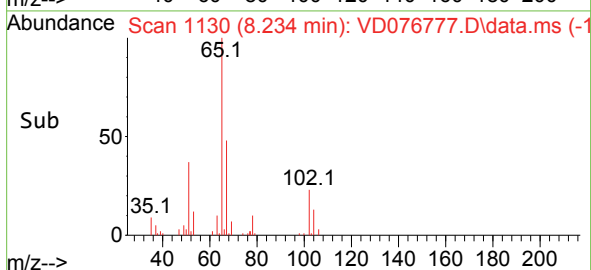
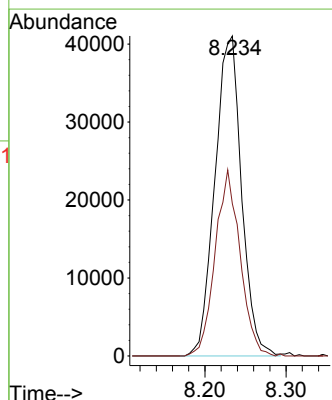
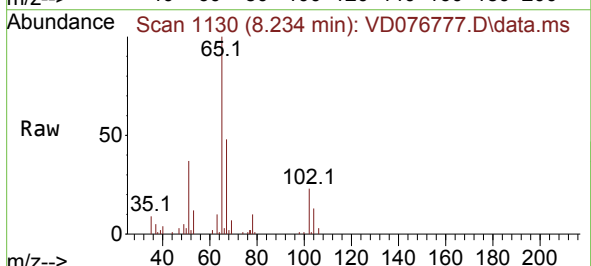
Acq: 18 Jul 2023 14:49

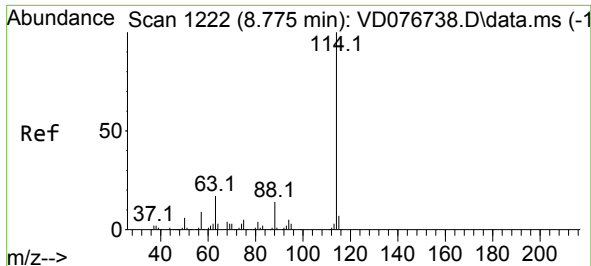
Tgt Ion: 65 Resp: 93783

Ion Ratio Lower Upper

65 100

67 54.3 0.0 115.0

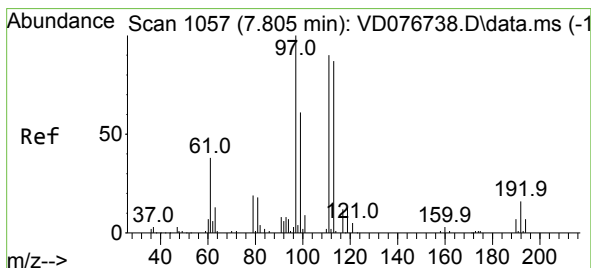
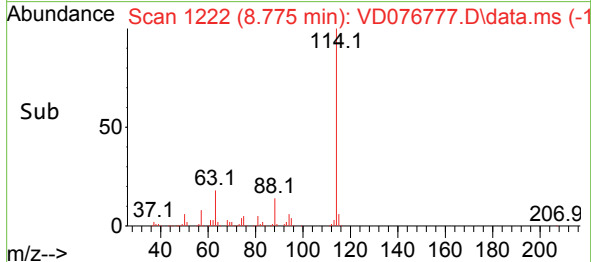
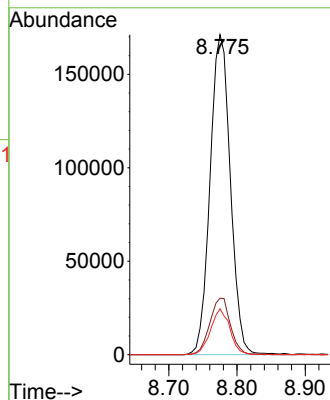
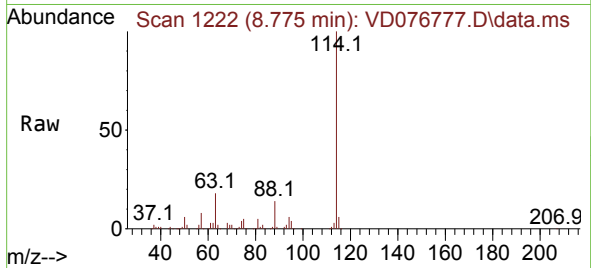




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076777.D
Acq: 18 Jul 2023 14:49

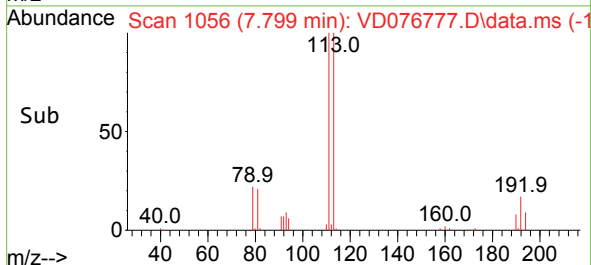
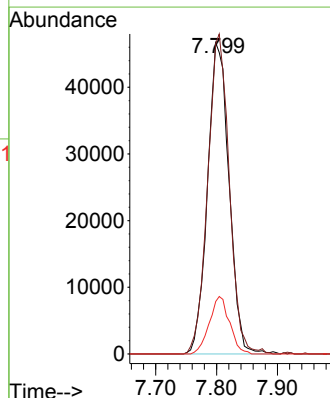
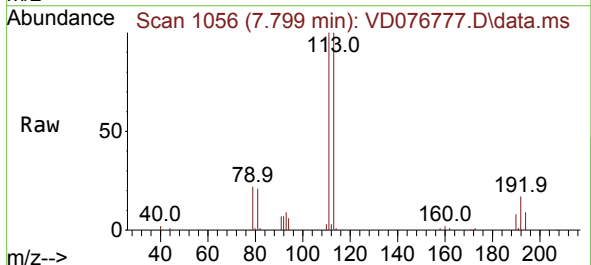
Instrument :
MSVOA_D
ClientSampleId :
DUP

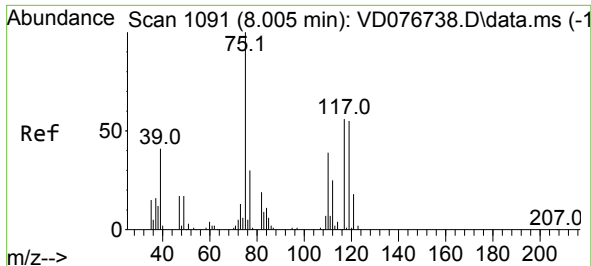
Tgt Ion:114 Resp: 354882
Ion Ratio Lower Upper
114 100
63 17.7 0.0 33.4
88 14.3 0.0 26.2



#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





#36

1,1-Dichloropropene

Concen: 4.081 ug/l

RT: 7.881 min Scan# 1091

Delta R.T. -0.124 min

Lab File: VD076777.D

Acq: 18 Jul 2023 14:49

Instrument :

MSVOA_D

ClientSampleId :

DUP

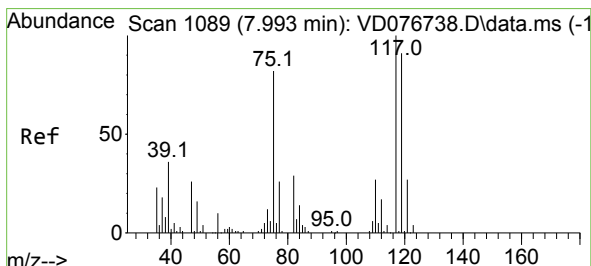
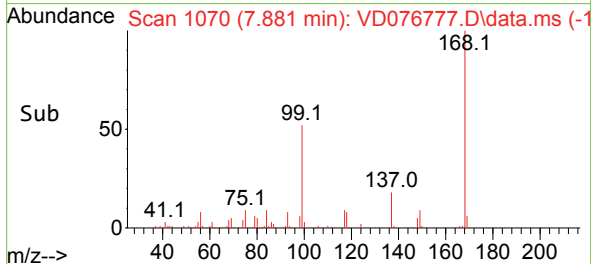
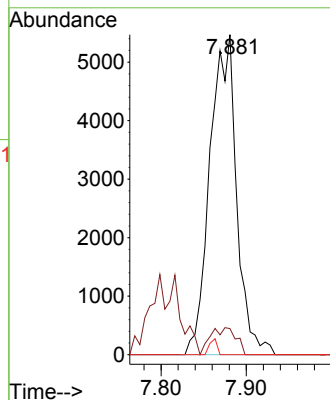
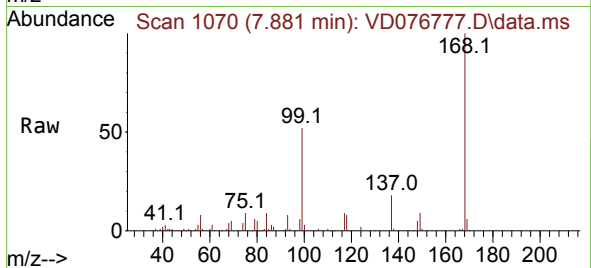
Tgt Ion: 75 Resp: 11893

Ion Ratio Lower Upper

75 100

110 8.1 19.9 59.6#

77 1.4 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.256 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.124 min

Lab File: VD076777.D

Acq: 18 Jul 2023 14:49

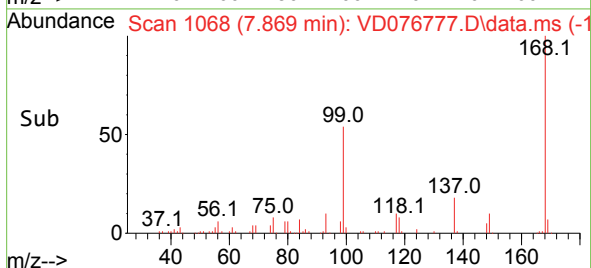
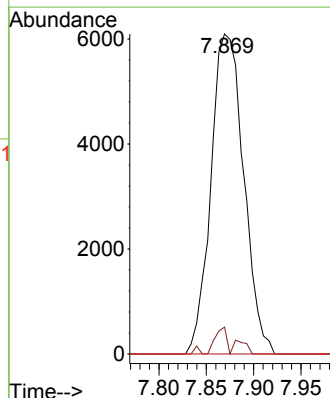
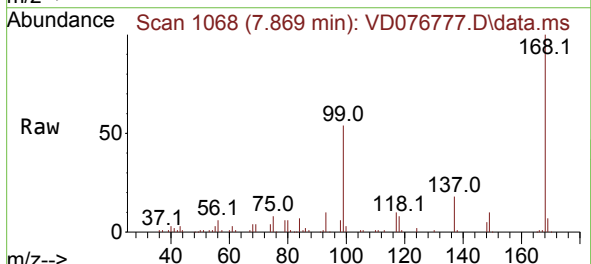
Tgt Ion: 117 Resp: 14665

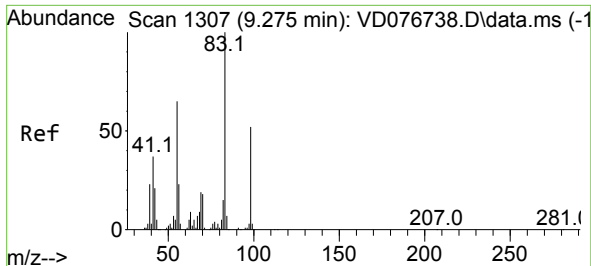
Ion Ratio Lower Upper

117 100

119 8.4 78.0 117.0#

121 0.0 24.2 36.2#





#39

Methylcyclohexane

Concen: 6.562 ug/l

RT: 9.275 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VD076777.D

Acq: 18 Jul 2023 14:49

Instrument :

MSVOA_D

ClientSampleId :

DUP

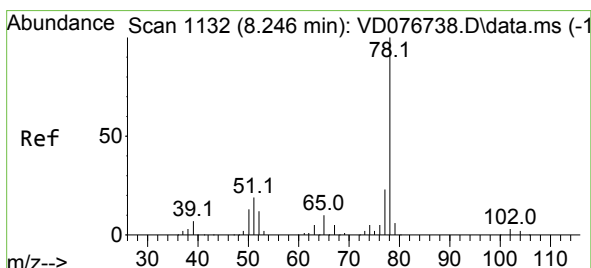
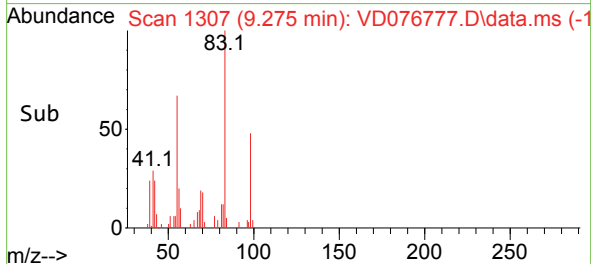
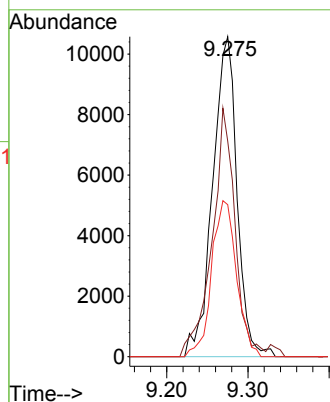
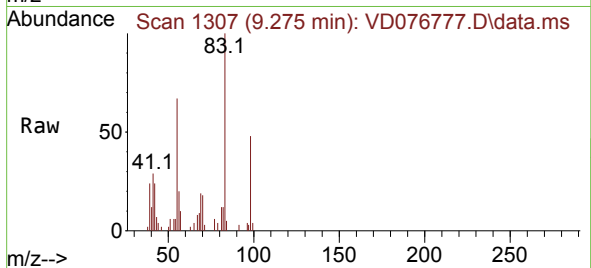
Tgt Ion: 83 Resp: 22081

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

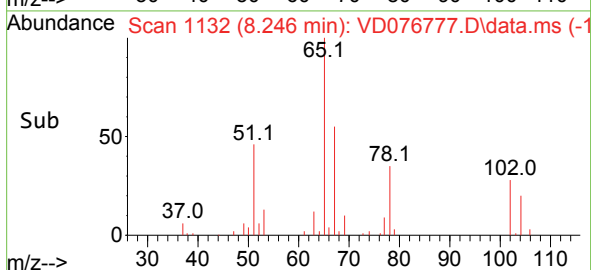
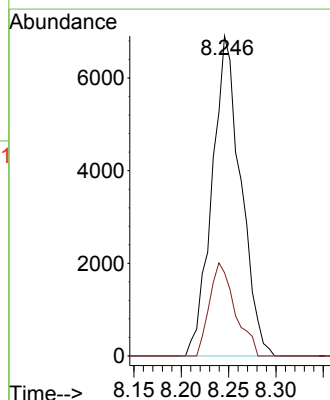
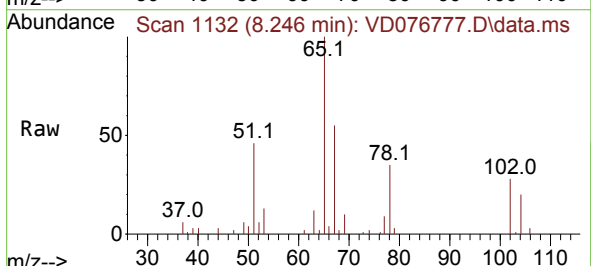
Acq: 18 Jul 2023 14:49

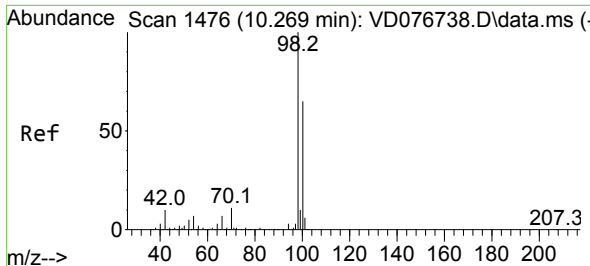
Tgt Ion: 78 Resp: 14611

Ion Ratio Lower Upper

78 100

77 26.0 19.4 29.0

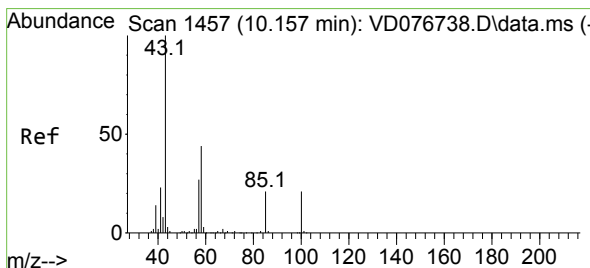
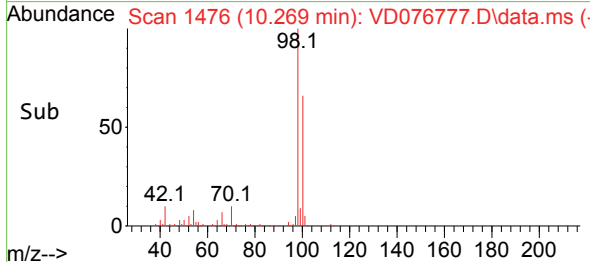
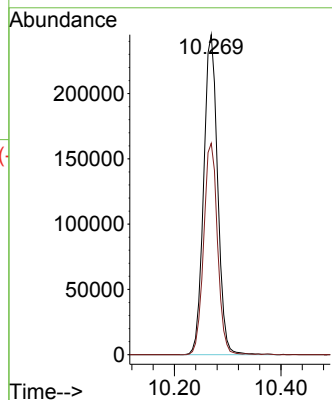
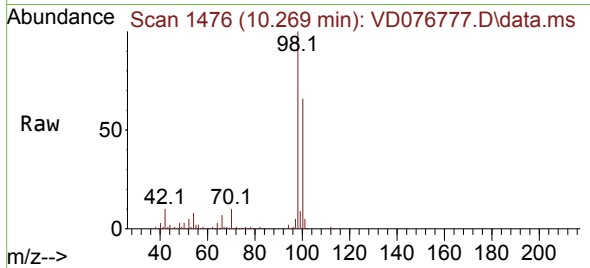




#50
Toluene-d8
Concen: 55.803 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076777.D
Acq: 18 Jul 2023 14:49

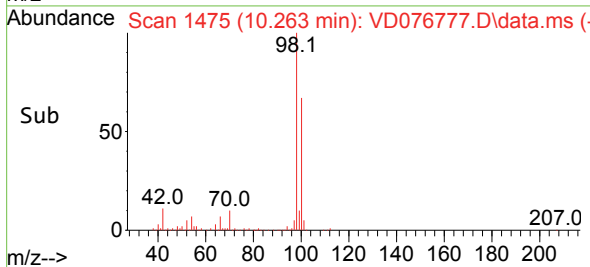
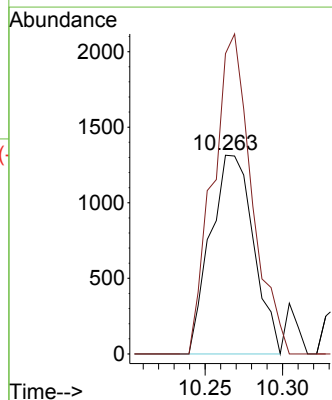
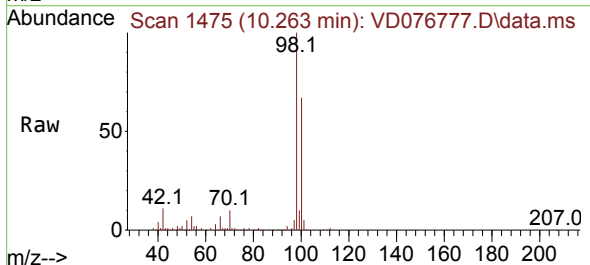
Instrument :
MSVOA_D
ClientSampleId :
DUP

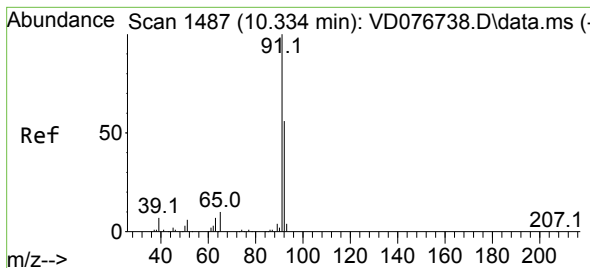
Tgt Ion: 98 Resp: 445191
Ion Ratio Lower Upper
98 100
100 65.5 50.3 75.5



#51
4-Methyl-2-Pentanone
Concen: 1.871 ug/l
RT: 10.263 min Scan# 1475
Delta R.T. 0.106 min
Lab File: VD076777.D
Acq: 18 Jul 2023 14:49

Tgt Ion: 43 Resp: 2534
Ion Ratio Lower Upper
43 100
58 145.9 38.9 58.3#





#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

Instrument :

MSVOA_D

ClientSampleId :

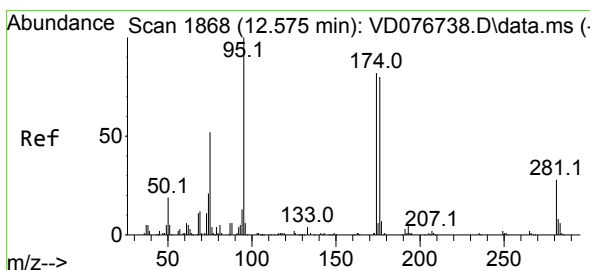
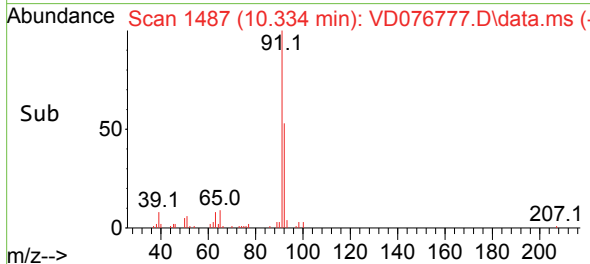
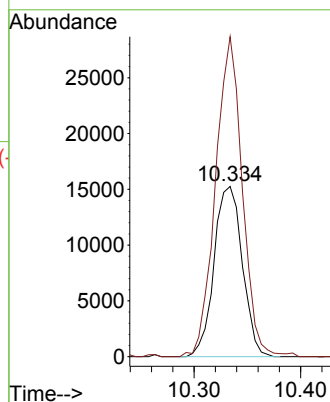
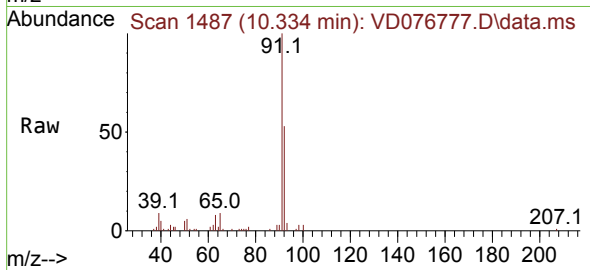
DUP

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

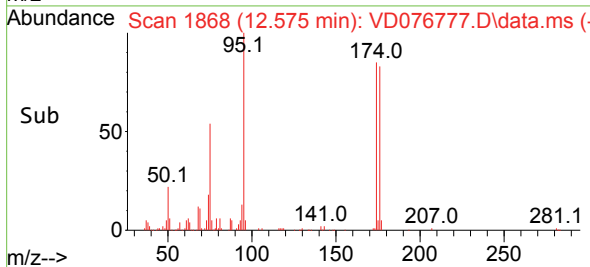
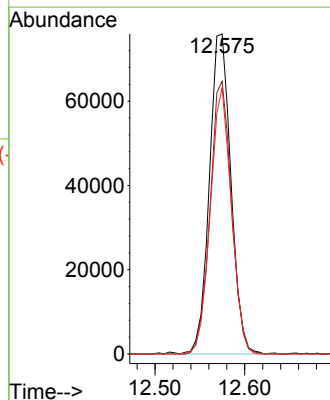
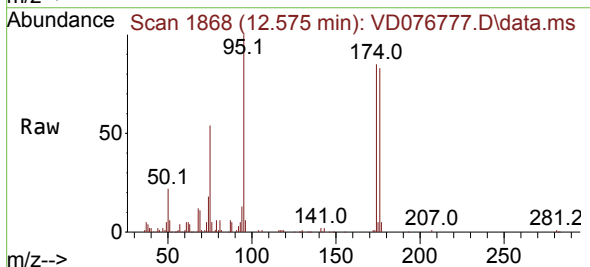
Tgt Ion: 95 Resp: 126360

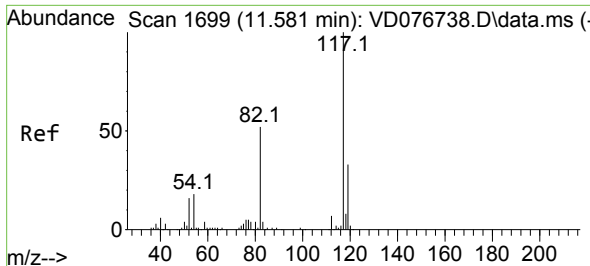
Ion Ratio Lower Upper

95 100

174 84.6 0.0 201.8

176 81.3 0.0 191.8

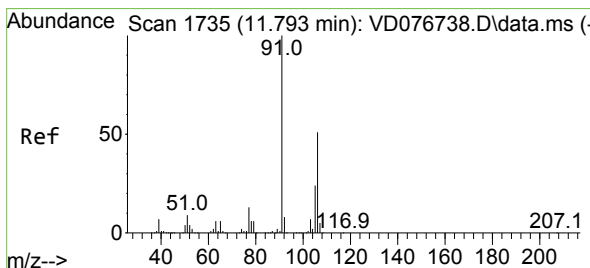
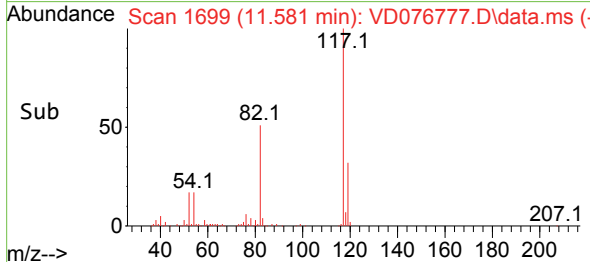
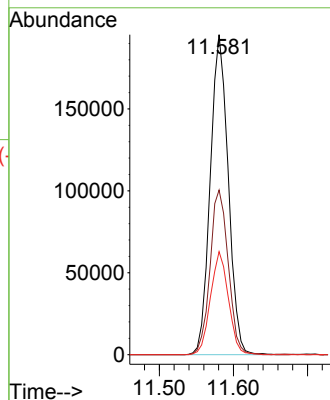
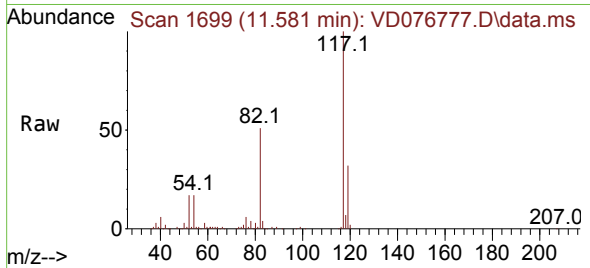




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076777.D
Acq: 18 Jul 2023 14:49

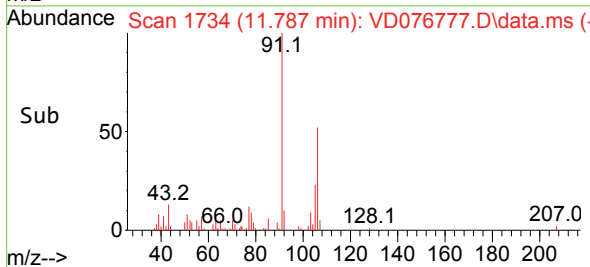
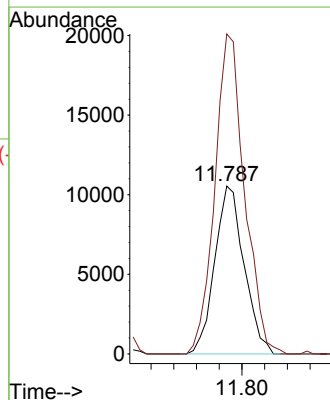
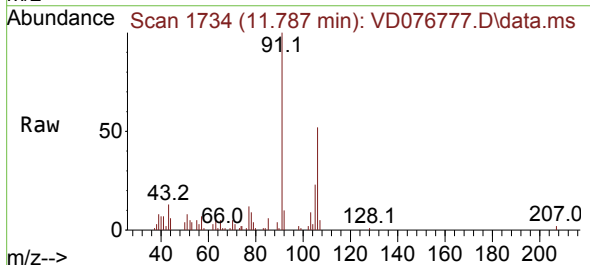
Instrument :
MSVOA_D
ClientSampleId :
DUP

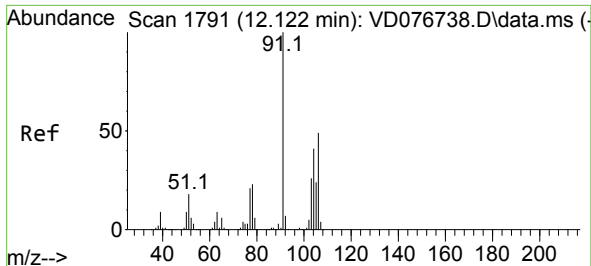
Tgt Ion:117 Resp: 328863
Ion Ratio Lower Upper
117 100
82 51.5 38.3 57.5
119 32.2 25.0 37.4



#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

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

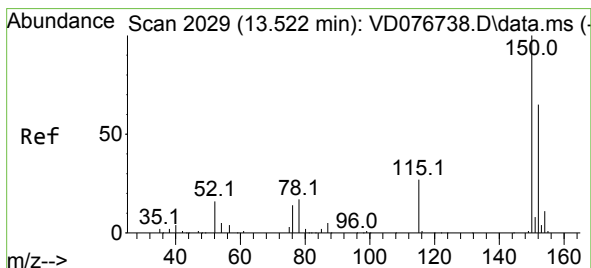
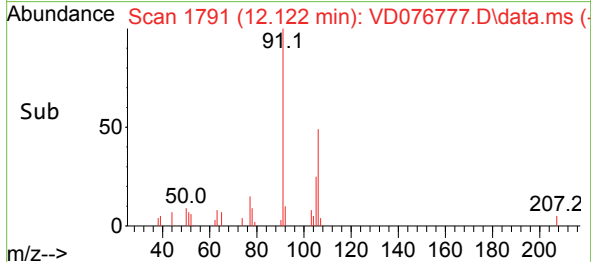
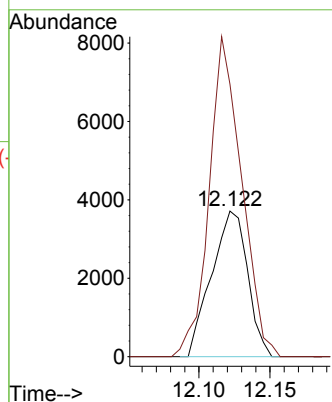
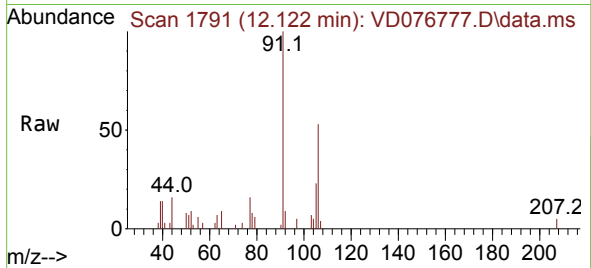




#69
o-Xylene
Concen: 1.519 ug/l
RT: 12.122 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VD076777.D
Acq: 18 Jul 2023 14:49

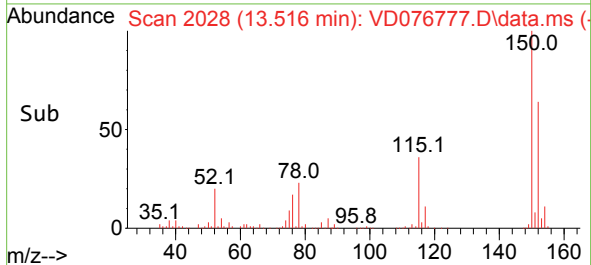
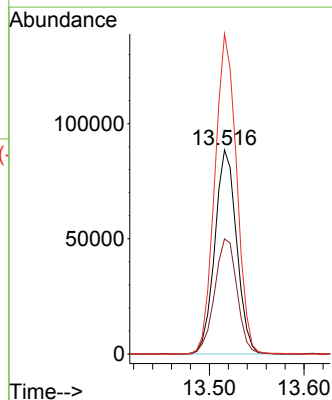
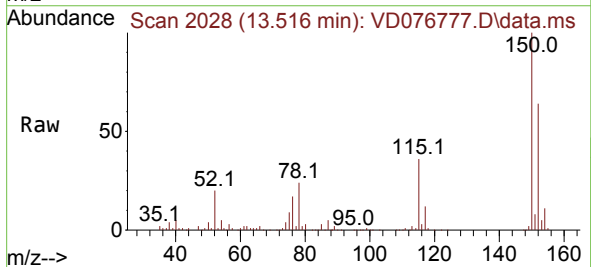
Instrument :
MSVOA_D
ClientSampleId :
DUP

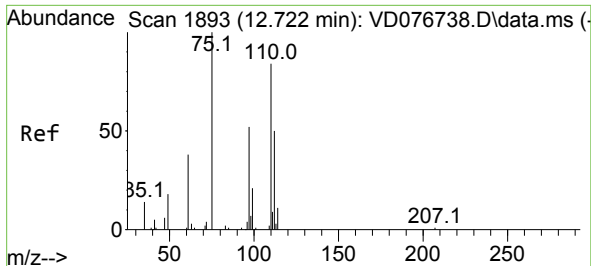
Tgt Ion:106 Resp: 6555
Ion Ratio Lower Upper
106 100
91 198.2 97.9 293.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD076777.D
Acq: 18 Jul 2023 14:49

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

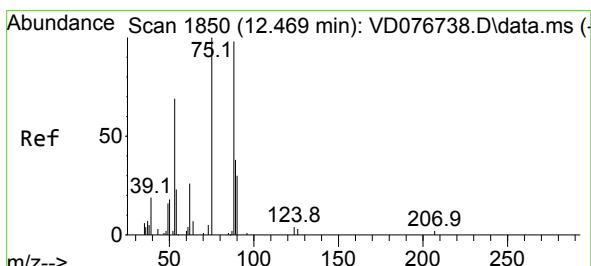
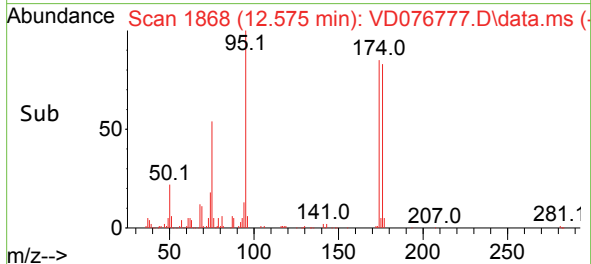
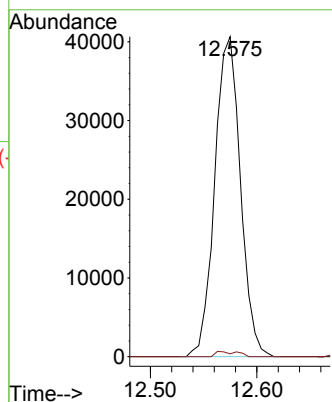
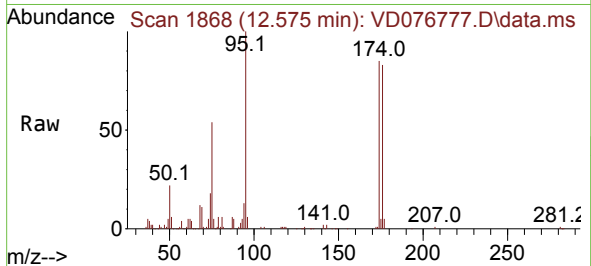




#76
1,2,3-Trichloropropane
Concen: 50.417 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD076777.D
Acq: 18 Jul 2023 14:49

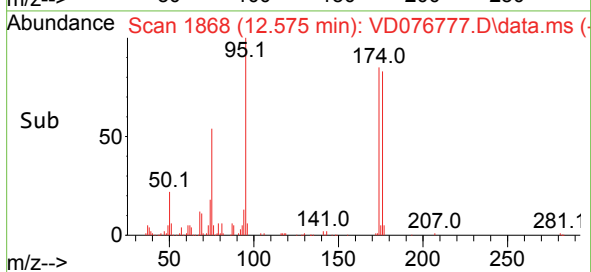
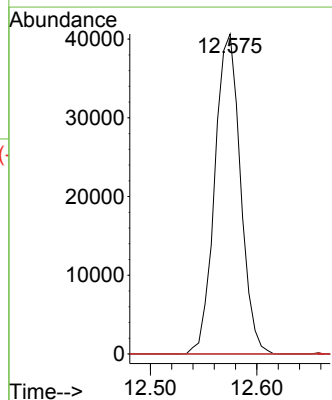
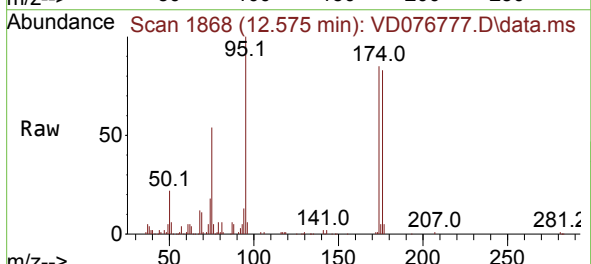
Instrument :
MSVOA_D
ClientSampleId :
DUP

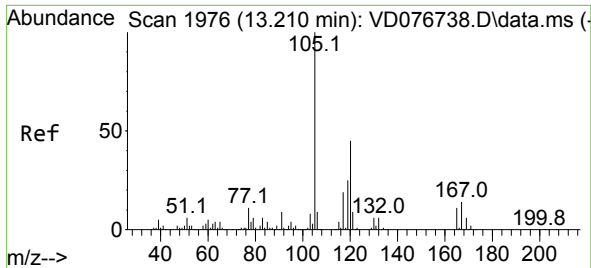
Tgt Ion: 75 Resp: 67942
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 107.301 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD076777.D
Acq: 18 Jul 2023 14:49

Tgt Ion: 75 Resp: 67942
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#





#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

Instrument :
 MSVOA_D
 ClientSampleId :
 DUP

Tgt Ion:105 Resp: 23726
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.3 72.9

