

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071823\
 Data File : VD076776.D
 Acq On : 18 Jul 2023 14:20
 Operator : KP/SY
 Sample : 03652-21
 Misc : 4.51G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP17

Quant Time: Jul 19 06:43:16 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)

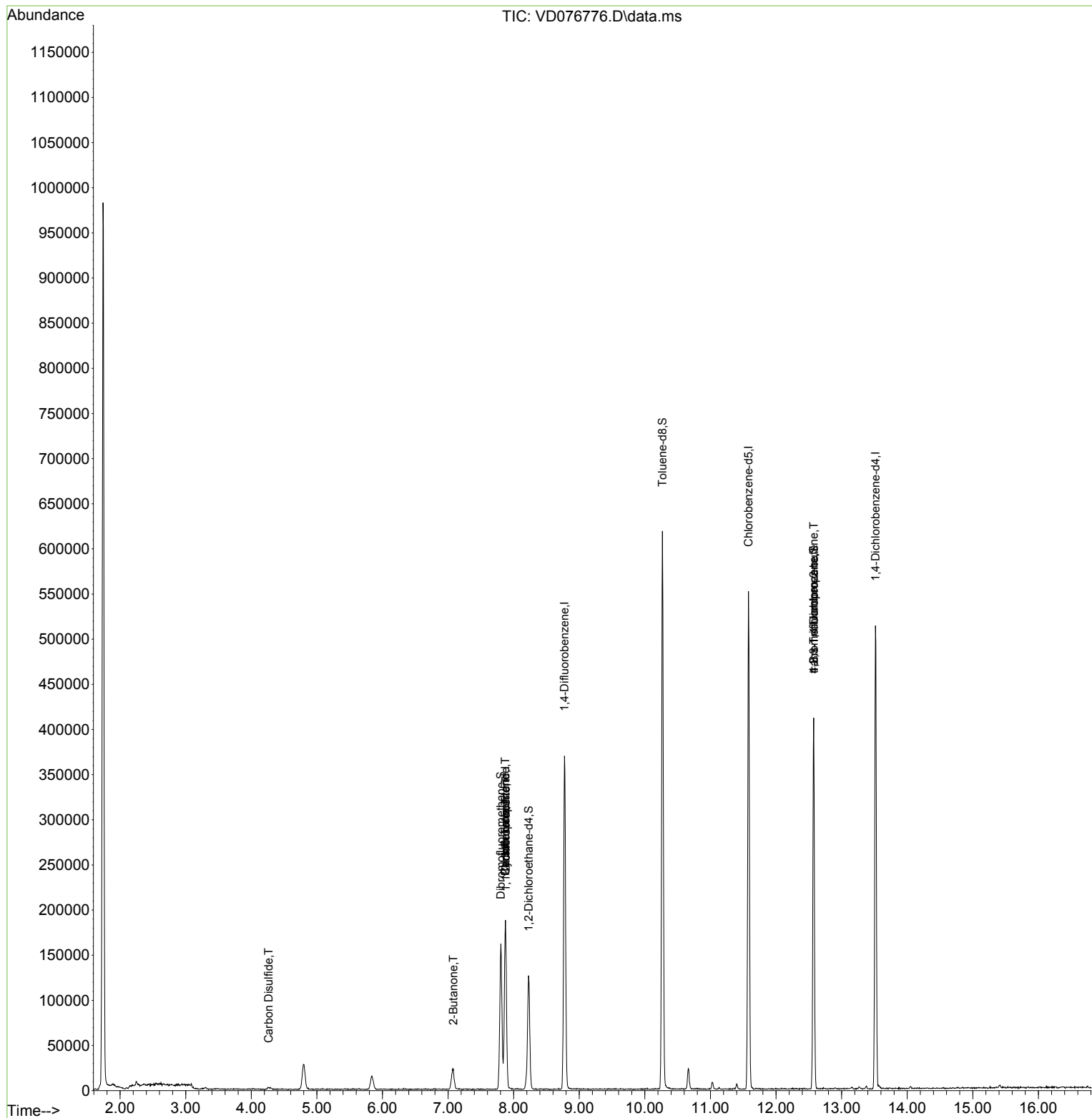
Internal Standards						
1) Pentafluorobenzene	7.875	168	140330	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	343650	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	324774	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	140866	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	93224	66.697	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 133.400%	
35) Dibromofluoromethane	7.804	113	115921	53.679	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.360%	
50) Toluene-d8	10.269	98	430992	55.789	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 111.580%	
62) 4-Bromofluorobenzene	12.575	95	122201	48.896	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.800%	
Target Compounds						
					Qvalue	
17) Carbon Disulfide	4.263	76	4126	1.274	ug/l #	94
25) 2-Butanone	7.081	43	1182	2.646	ug/l #	37
31) Cyclohexane	7.875	56	3189	1.550	ug/l #	29
36) 1,1-Dichloropropene	7.881	75	11546	4.092	ug/l #	44
38) Carbon Tetrachloride	7.875	117	14613	5.408	ug/l #	15
76) 1,2,3-Trichloropropane	12.575	75	66272	49.471	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	66272	105.287	ug/l #	17

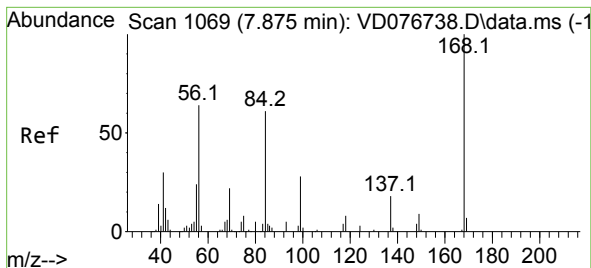
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.000 min

Lab File: VD076776.D

Acq: 18 Jul 2023 14:20

Instrument :

MSVOA_D

ClientSampleId :

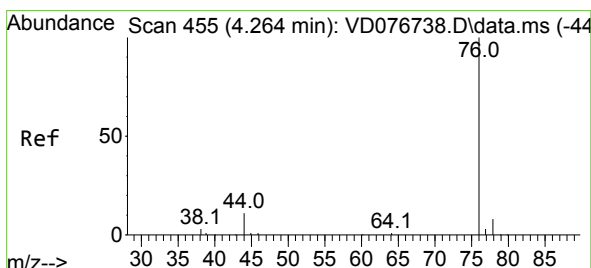
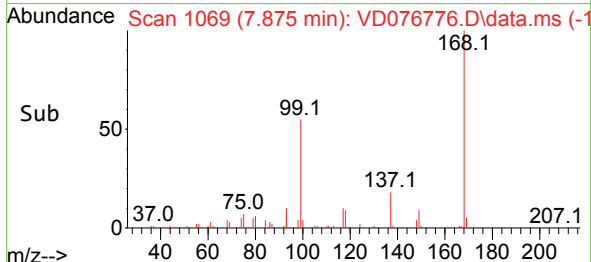
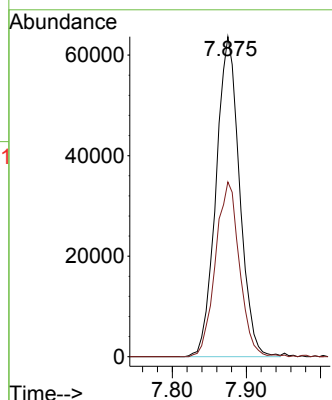
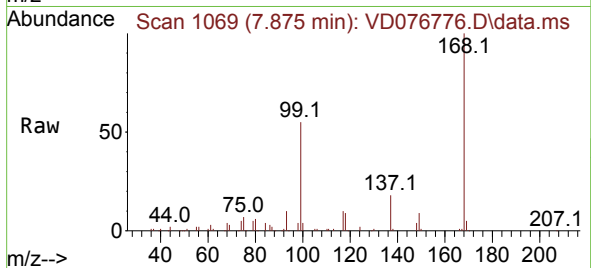
TP17

Tgt Ion:168 Resp: 140330

Ion Ratio Lower Upper

168 100

99 54.6 36.7 55.1



#17

Carbon Disulfide

Concen: 1.274 ug/l

RT: 4.263 min Scan# 455

Delta R.T. -0.001 min

Lab File: VD076776.D

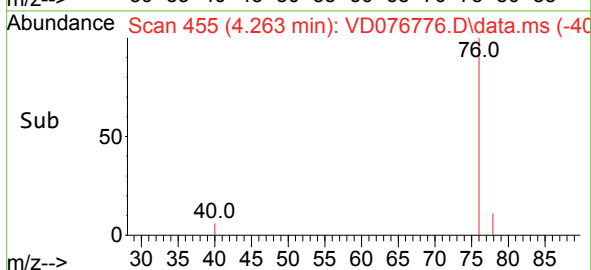
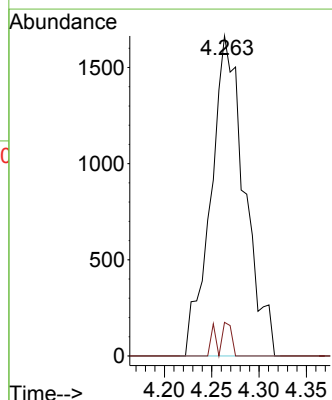
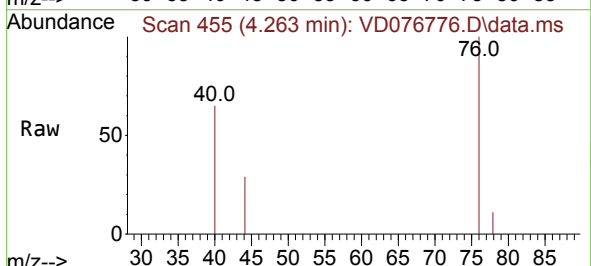
Acq: 18 Jul 2023 14:20

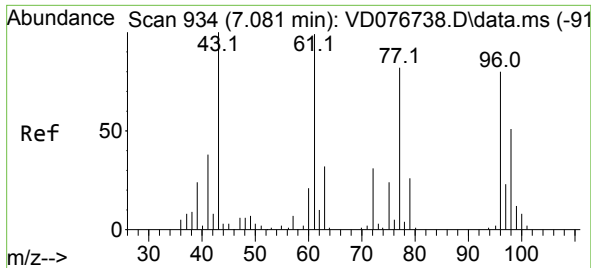
Tgt Ion: 76 Resp: 4126

Ion Ratio Lower Upper

76 100

78 10.5 6.8 10.2#





#25

2-Butanone

Concen: 2.646 ug/l

RT: 7.081 min Scan# 91

Delta R.T. -0.000 min

Lab File: VD076776.D

Acq: 18 Jul 2023 14:20

Instrument :

MSVOA_D

ClientSampleId :

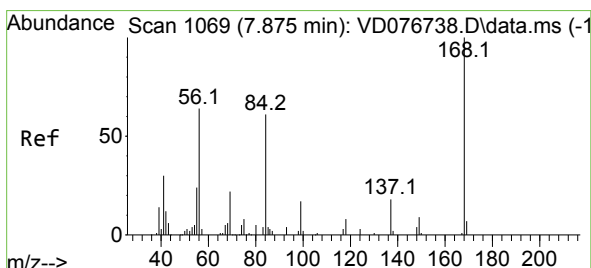
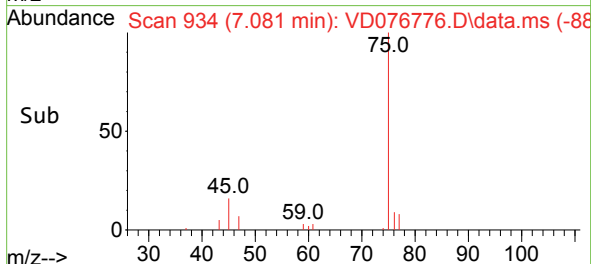
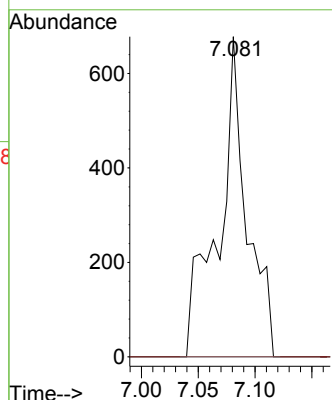
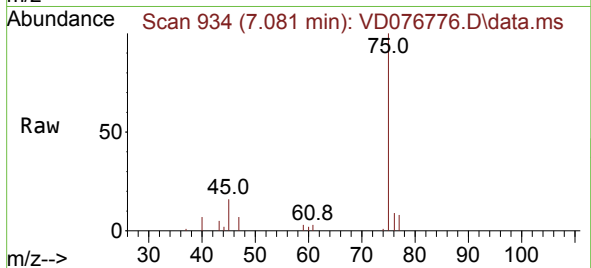
TP17

Tgt Ion: 43 Resp: 1182

Ion Ratio Lower Upper

43 100

72 0.0 30.7 46.1#



#31

Cyclohexane

Concen: 1.550 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.000 min

Lab File: VD076776.D

Acq: 18 Jul 2023 14:20

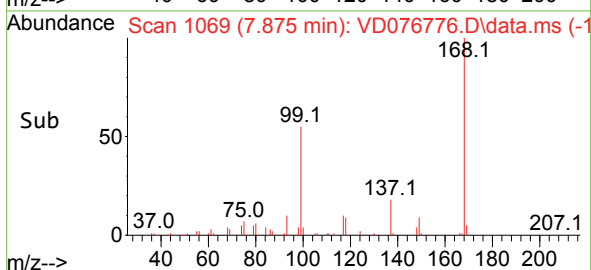
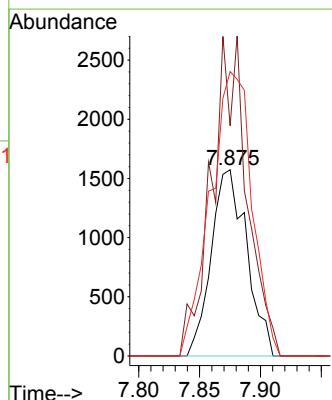
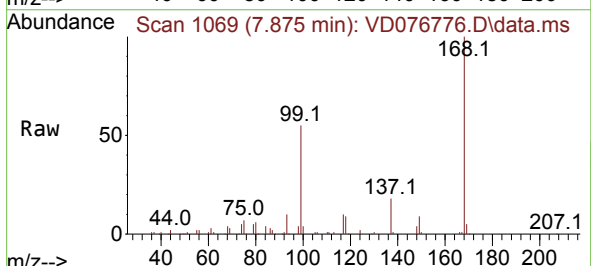
Tgt Ion: 56 Resp: 3189

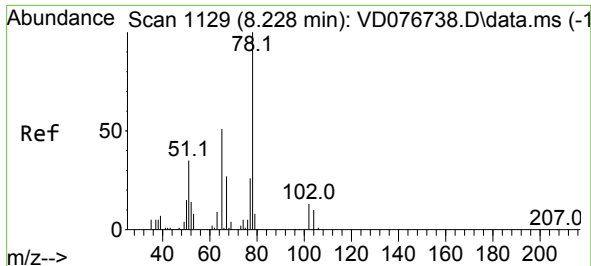
Ion Ratio Lower Upper

56 100

69 123.6 28.6 43.0#

84 152.6 84.8 127.2#





#33

1,2-Dichloroethane-d4

Concen: 66.697 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD076776.D

Acq: 18 Jul 2023 14:20

Instrument :

MSVOA_D

ClientSampleId :

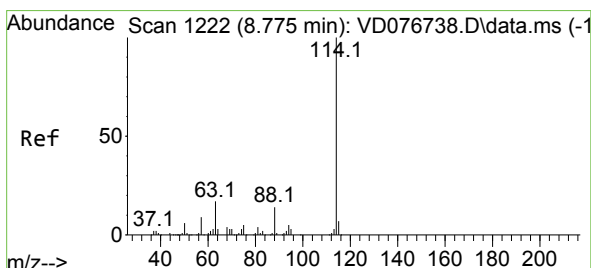
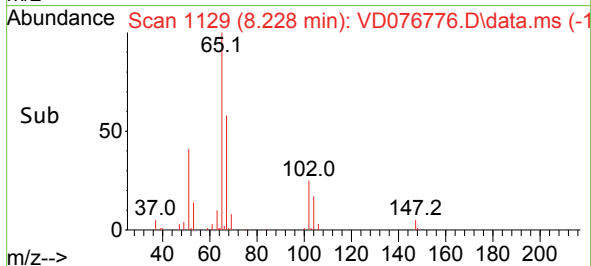
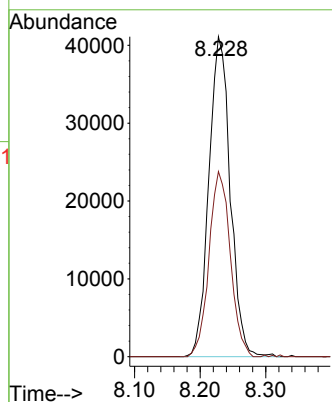
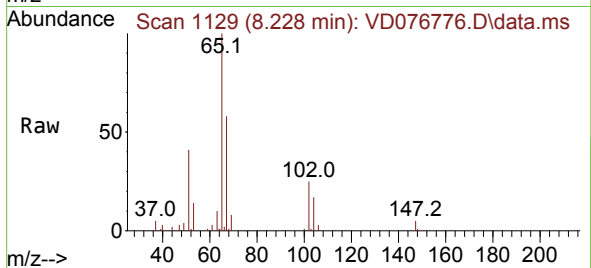
TP17

Tgt Ion: 65 Resp: 93224

Ion Ratio Lower Upper

65 100

67 57.5 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: VD076776.D

Acq: 18 Jul 2023 14:20

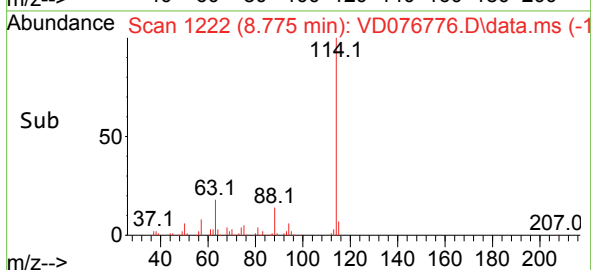
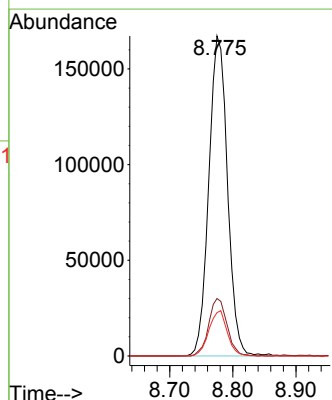
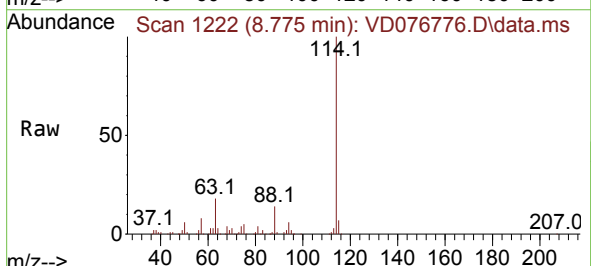
Tgt Ion: 114 Resp: 343650

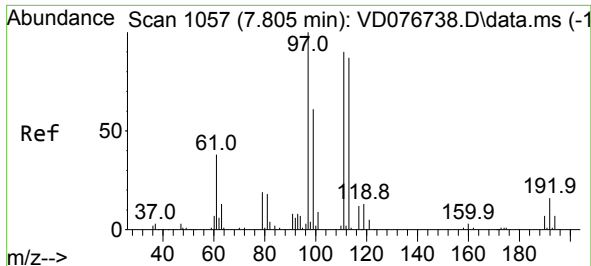
Ion Ratio Lower Upper

114 100

63 17.9 0.0 33.4

88 13.6 0.0 26.2

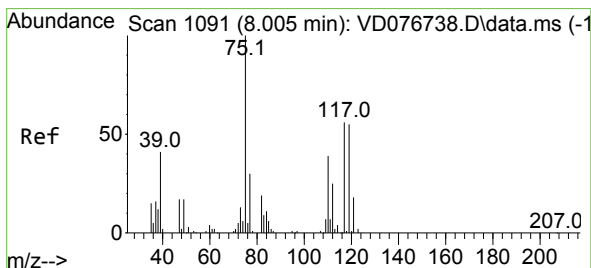
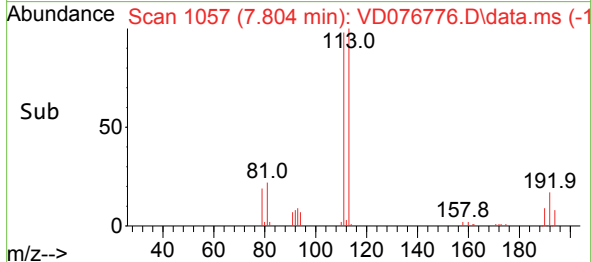
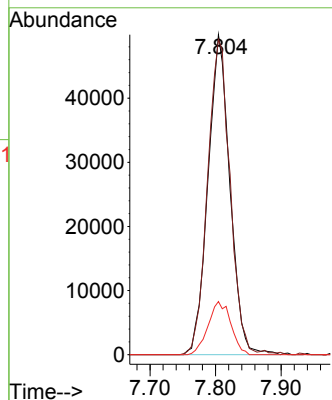
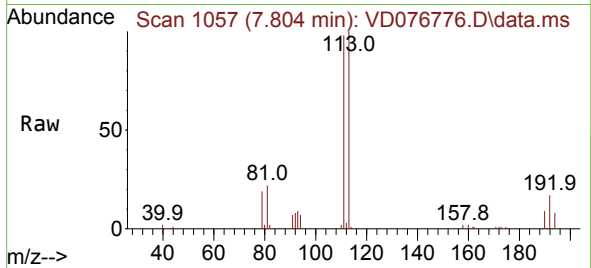




#35
Dibromofluoromethane
Concen: 53.679 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.001 min
Lab File: VD076776.D
Acq: 18 Jul 2023 14:20

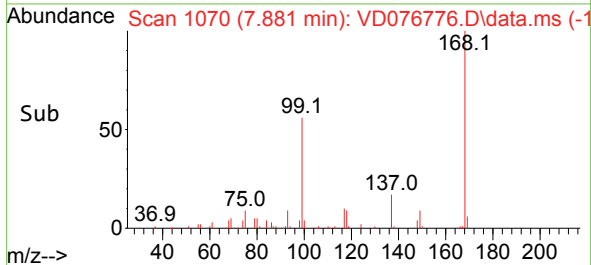
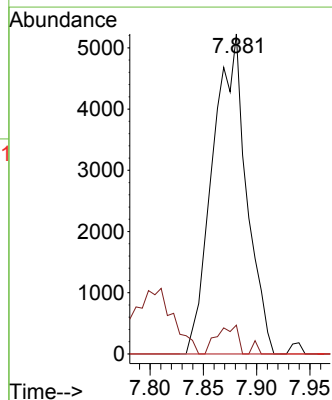
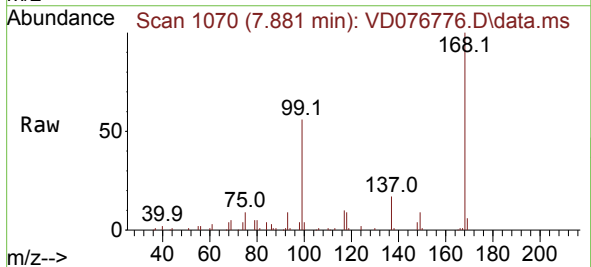
Instrument :
MSVOA_D
ClientSampleId :
TP17

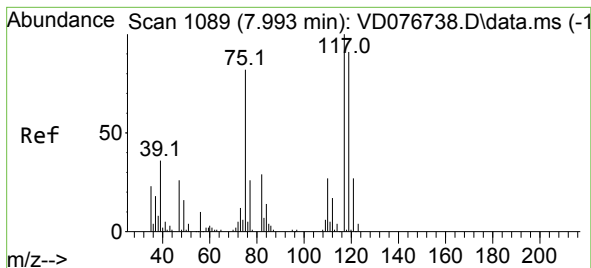
Tgt Ion:113 Resp: 115921
Ion Ratio Lower Upper
113 100
111 101.3 84.7 127.1
192 17.2 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.092 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.124 min
Lab File: VD076776.D
Acq: 18 Jul 2023 14:20

Tgt Ion: 75 Resp: 11546
Ion Ratio Lower Upper
75 100
110 5.5 19.9 59.6#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.408 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD076776.D

Acq: 18 Jul 2023 14:20

Instrument :

MSVOA_D

ClientSampleId :

TP17

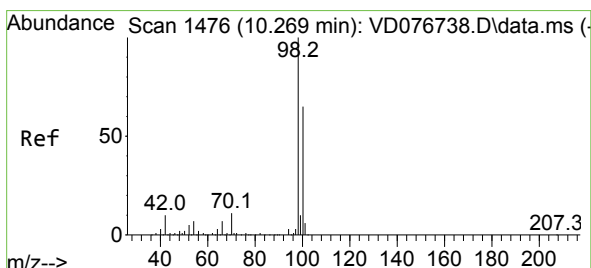
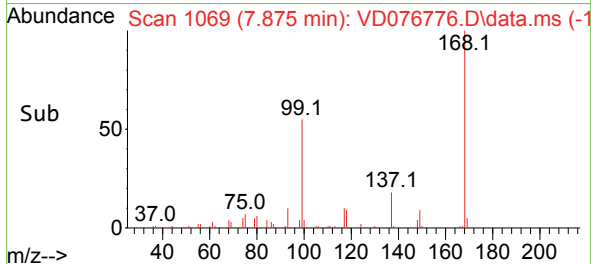
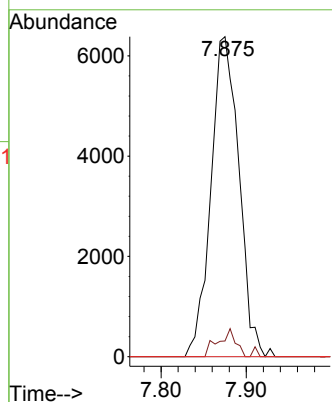
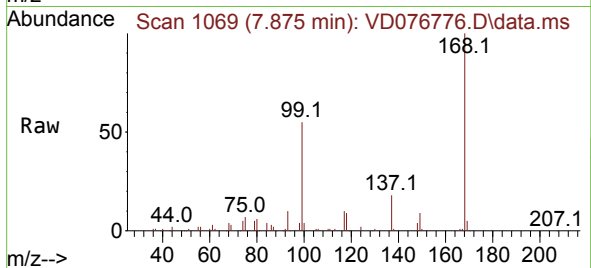
Tgt Ion:117 Resp: 14613

Ion Ratio Lower Upper

117 100

119 4.9 78.0 117.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 55.789 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD076776.D

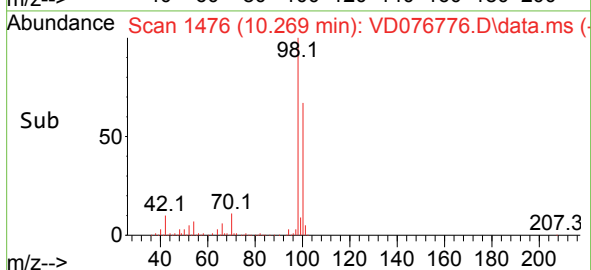
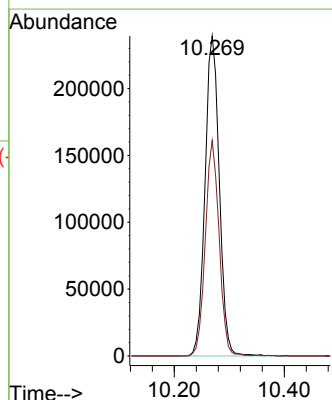
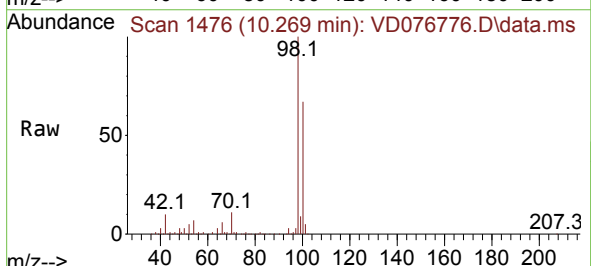
Acq: 18 Jul 2023 14:20

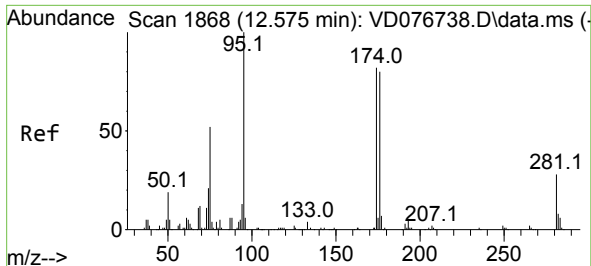
Tgt Ion: 98 Resp: 430992

Ion Ratio Lower Upper

98 100

100 65.1 50.3 75.5

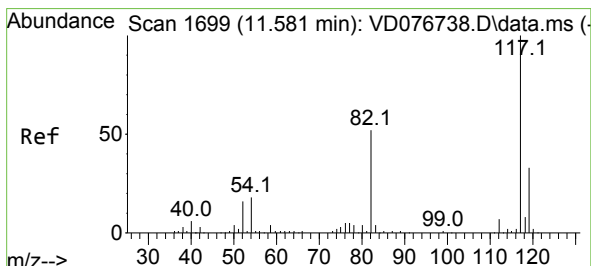
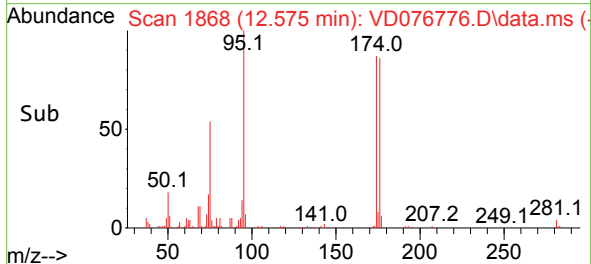
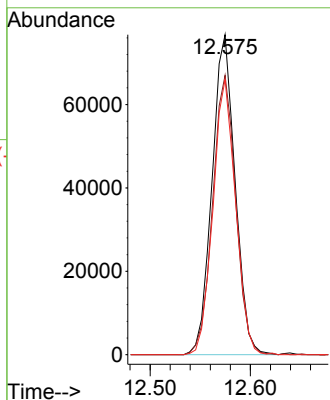
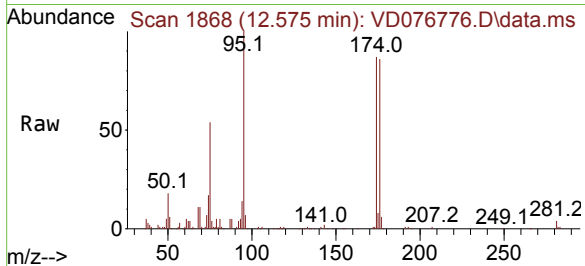




#62
4-Bromofluorobenzene
Concen: 48.896 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076776.D
Acq: 18 Jul 2023 14:20

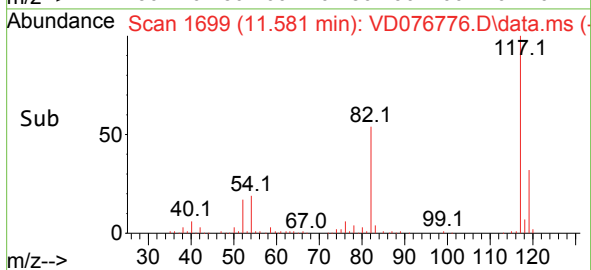
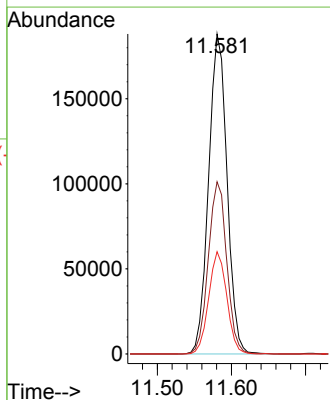
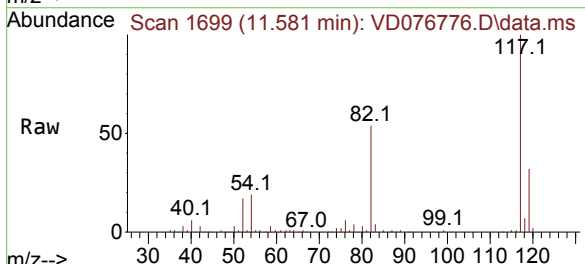
Instrument :
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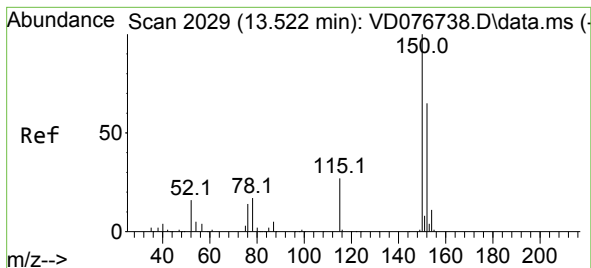
Tgt Ion: 95 Resp: 122201
Ion Ratio Lower Upper
95 100
174 87.6 0.0 201.8
176 84.5 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076776.D
Acq: 18 Jul 2023 14:20

Tgt Ion: 117 Resp: 324774
Ion Ratio Lower Upper
117 100
82 53.8 38.3 57.5
119 32.0 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: VD076776.D

Acq: 18 Jul 2023 14:20

Instrument :

MSVOA_D

ClientSampleId :

TP17

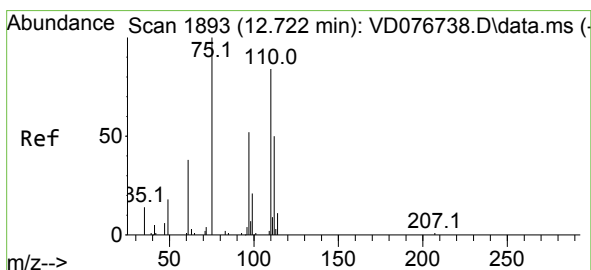
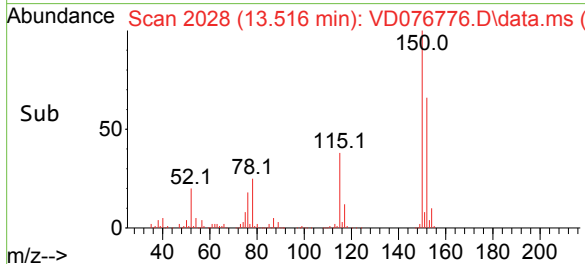
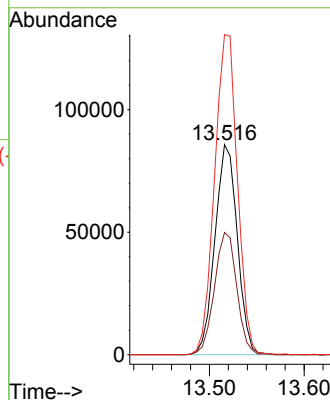
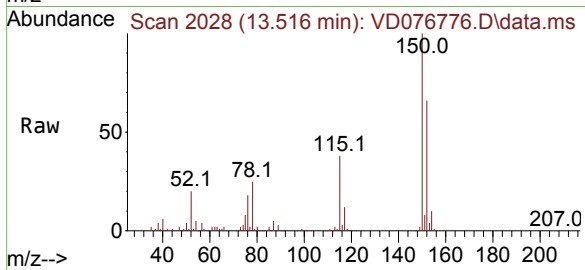
Tgt Ion:152 Resp: 140866

Ion Ratio Lower Upper

152 100

115 58.1 27.1 81.3

150 155.9 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 49.471 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD076776.D

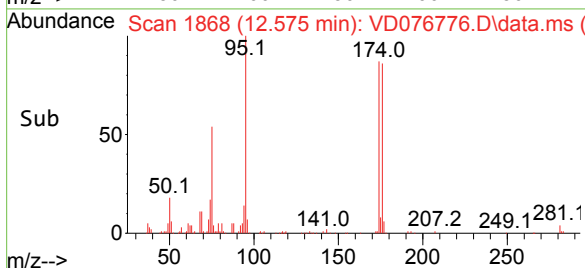
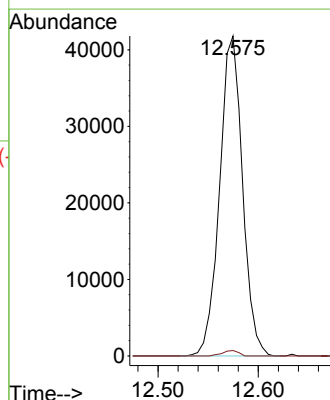
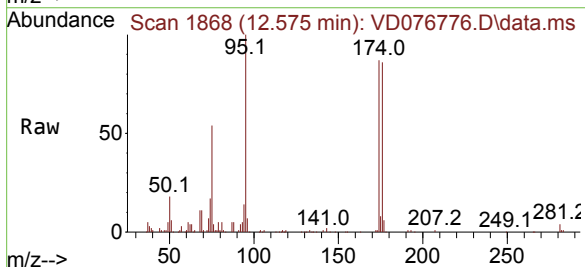
Acq: 18 Jul 2023 14:20

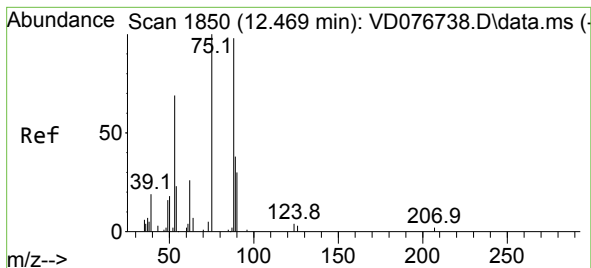
Tgt Ion: 75 Resp: 66272

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 105.287 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD076776.D
 Acq: 18 Jul 2023 14:20

Instrument :
 MSVOA_D
 ClientSampleId :
 TP17

Tgt Ion: 75 Resp: 66272
 Ion Ratio Lower Upper
 75 100
 53 0.0 63.0 94.4#
 89 0.0 37.9 56.9#

