

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042423\
 Data File : VD075794.D
 Acq On : 24 Apr 2023 14:28
 Operator : KP/SY
 Sample : 02416-02
 Misc : 5.47G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 1-GRAB

Quant Time: Apr 25 06:09:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041323S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 14:16:29 2023
 Response via : Initial Calibration

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

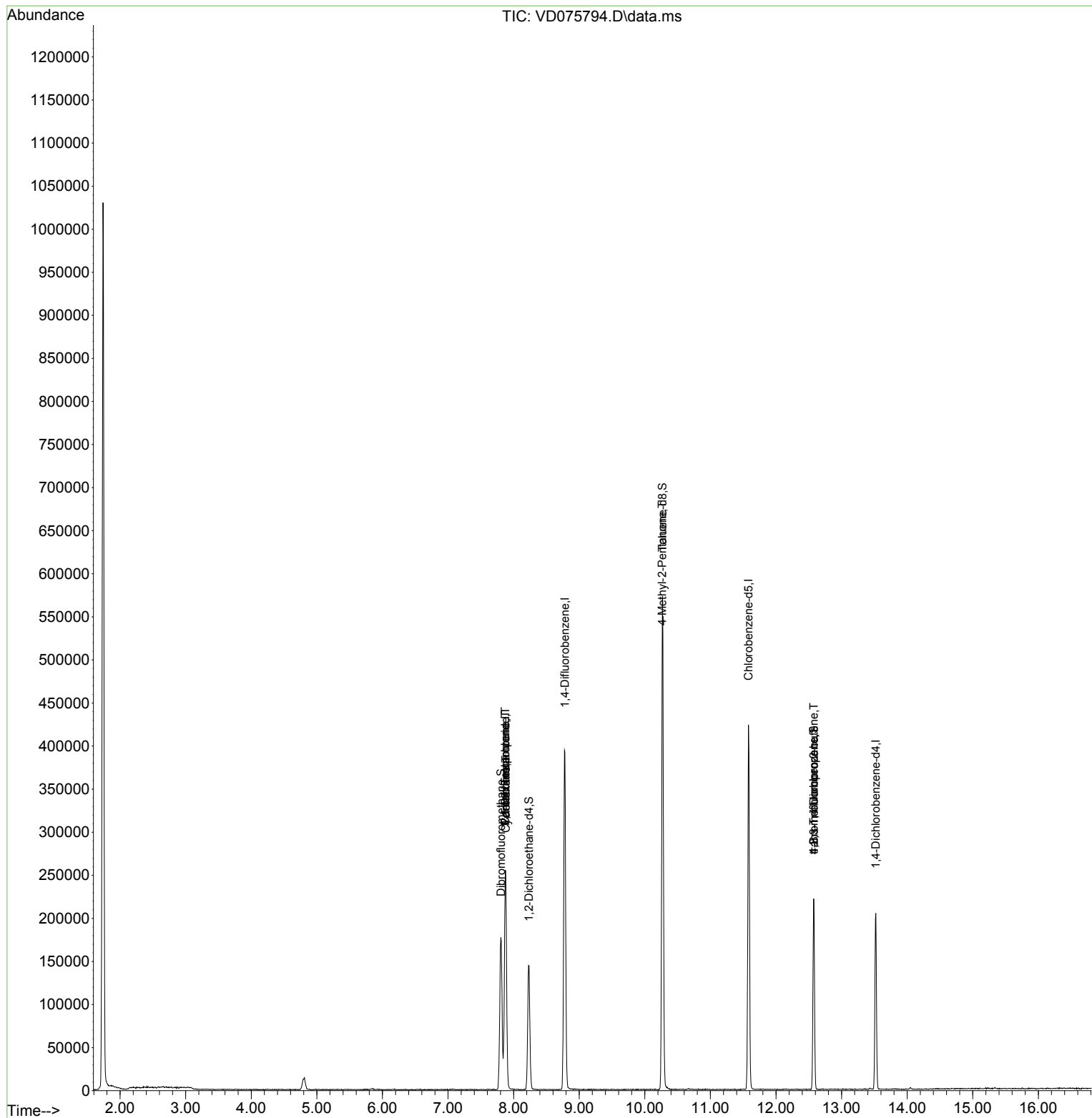
Internal Standards						
1) Pentafluorobenzene	7.875	168	217396	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	398393	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	271737	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	61379	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	113417	54.963	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.920%	
35) Dibromofluoromethane	7.811	113	136686	51.010	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.020%	
50) Toluene-d8	10.269	98	425149	39.620	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 79.240%	
62) 4-Bromofluorobenzene	12.575	95	68988	24.188	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 48.380%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.793	84	7221	Below Cal	#	71
31) Cyclohexane	7.881	56	3741	1.155	ug/l #	14
36) 1,1-Dichloropropene	7.875	75	15413	4.169	ug/l #	49
38) Carbon Tetrachloride	7.875	117	18532	5.693	ug/l #	17
51) 4-Methyl-2-Pentanone	10.263	43	1105	1.010	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	34924	69.773	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	34924	151.225	ug/l #	5

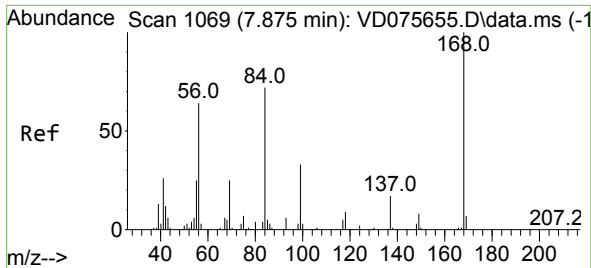
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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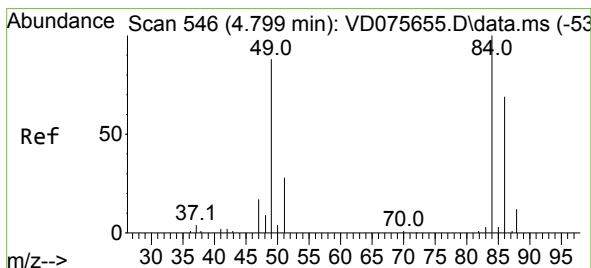
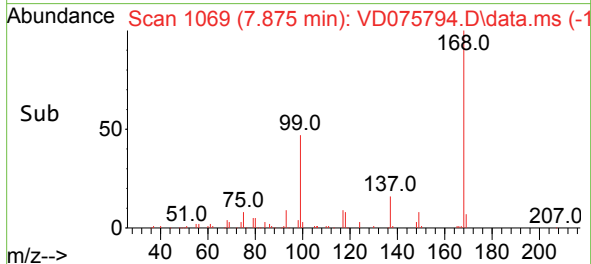
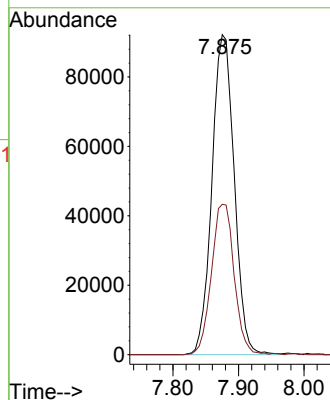
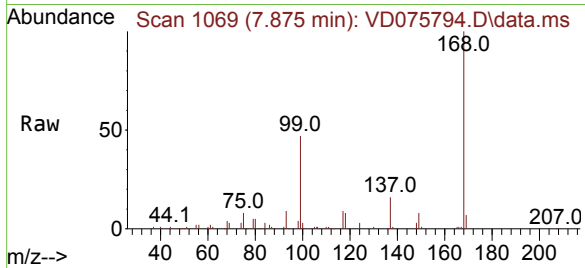




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD075794.D
Acq: 24 Apr 2023 14:28

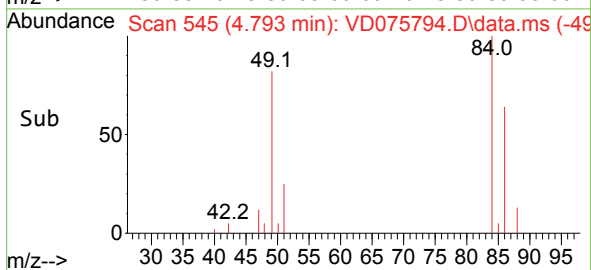
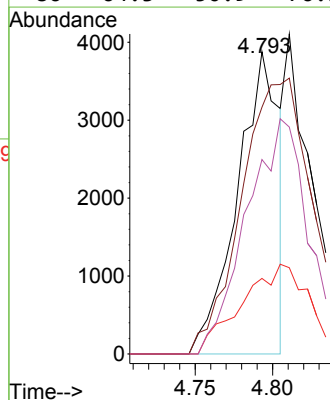
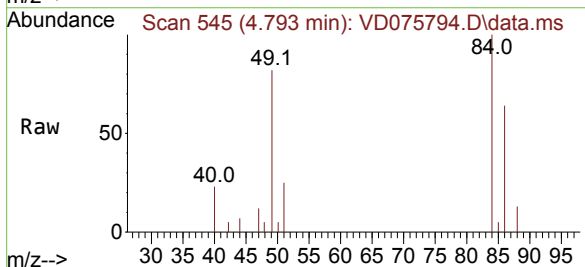
Instrument :
MSVOA_D
ClientSampleId :
1-GRAB

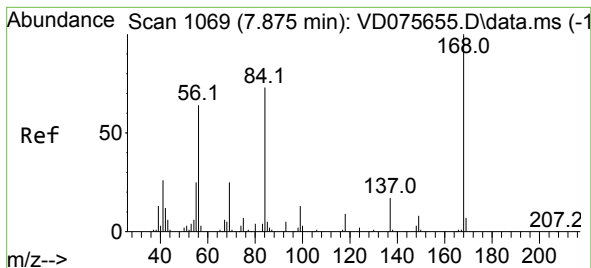
Tgt Ion:168 Resp: 217396
Ion Ratio Lower Upper
168 100
99 47.0 43.8 65.6



#20
Methylene Chloride
Concen: Below Cal
RT: 4.793 min Scan# 545
Delta R.T. -0.006 min
Lab File: VD075794.D
Acq: 24 Apr 2023 14:28

Tgt Ion: 84 Resp: 7221
Ion Ratio Lower Upper
84 100
49 81.6 106.4 159.6#
51 25.0 32.4 48.6#
86 64.3 50.9 76.3





#31

Cyclohexane

Concen: 1.155 ug/l

RT: 7.881 min Scan# 1107

Delta R.T. 0.006 min

Lab File: VD075794.D

Acq: 24 Apr 2023 14:28

Instrument :

MSVOA_D

ClientSampleId :

1-GRAB

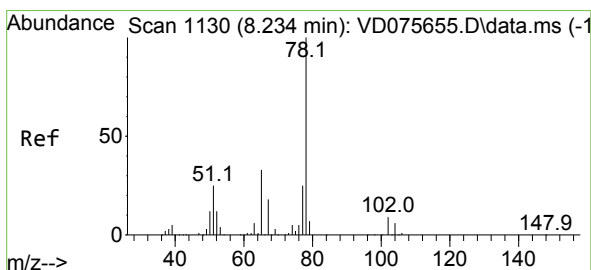
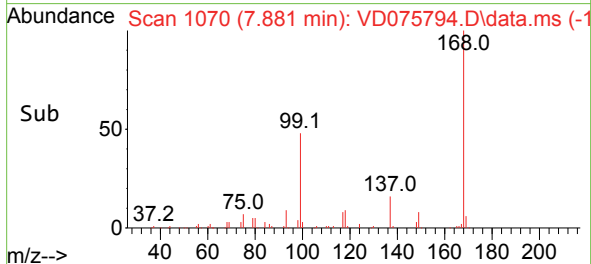
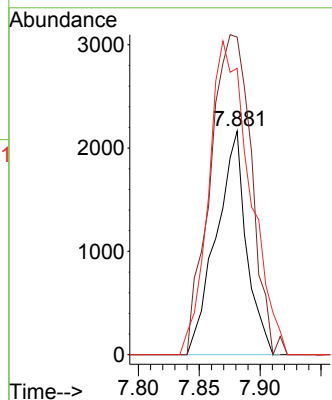
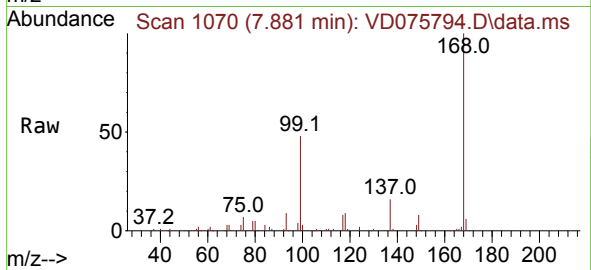
Tgt Ion: 56 Resp: 3741

Ion Ratio Lower Upper

56 100

69 142.1 25.5 38.3#

84 128.1 69.6 104.4#



#33

1,2-Dichloroethane-d4

Concen: 54.963 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VD075794.D

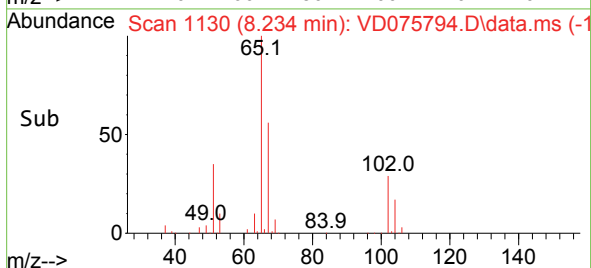
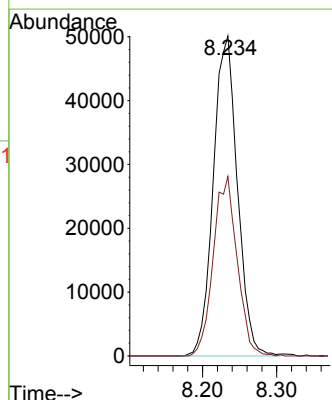
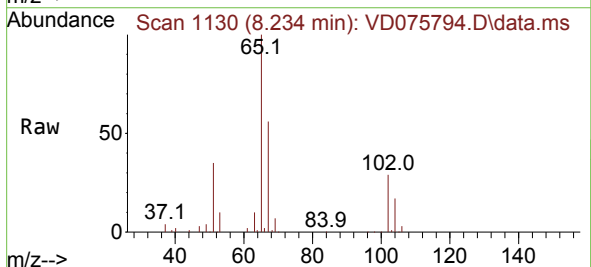
Acq: 24 Apr 2023 14:28

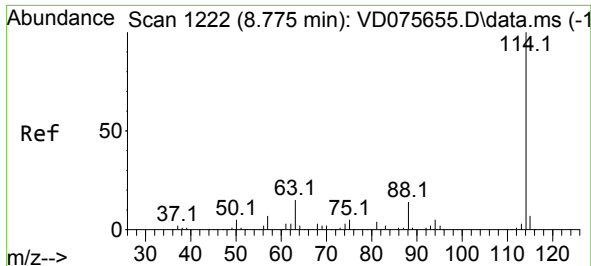
Tgt Ion: 65 Resp: 113417

Ion Ratio Lower Upper

65 100

67 55.4 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD075794.D

Acq: 24 Apr 2023 14:28

Instrument :

MSVOA_D

ClientSampleId :

1-GRAB

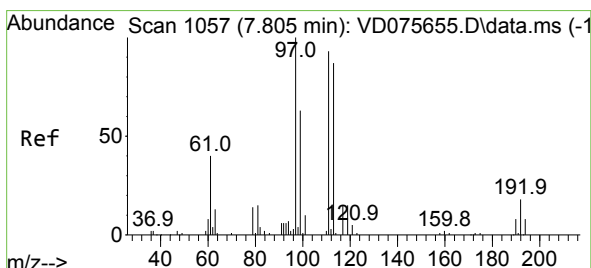
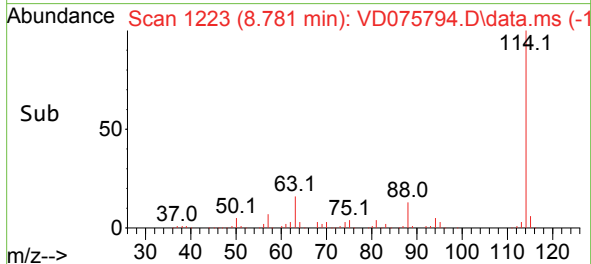
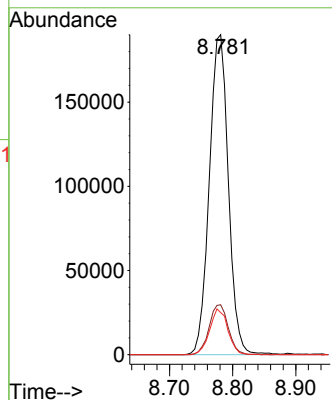
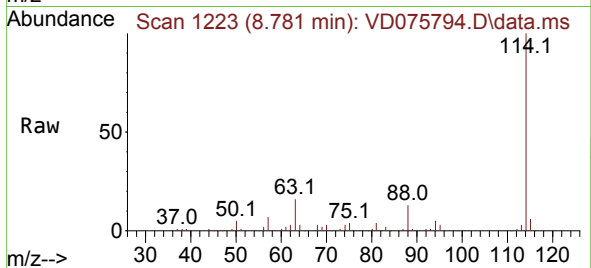
Tgt Ion:114 Resp: 398393

Ion Ratio Lower Upper

114 100

63 15.6 0.0 41.6

88 13.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.010 ug/l

RT: 7.811 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD075794.D

Acq: 24 Apr 2023 14:28

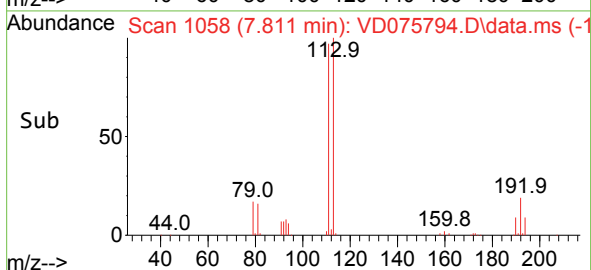
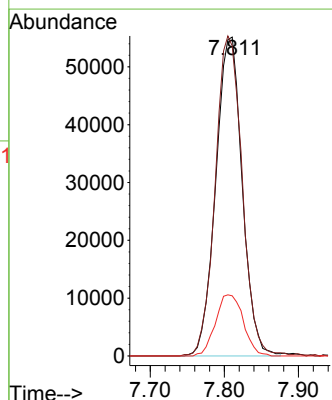
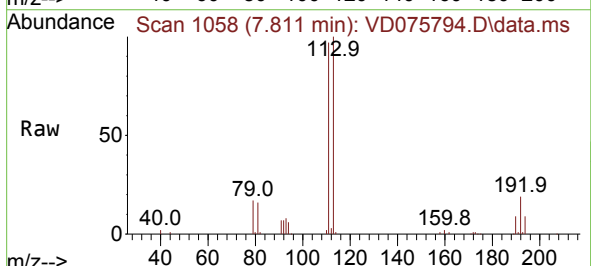
Tgt Ion:113 Resp: 136686

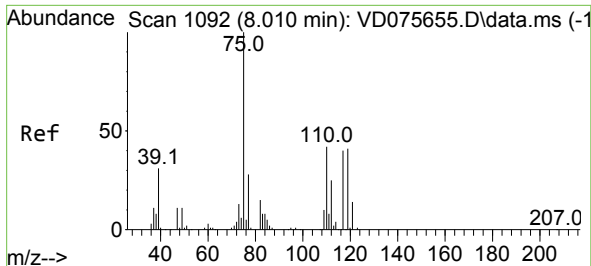
Ion Ratio Lower Upper

113 100

111 101.9 81.4 122.0

192 20.1 15.2 22.8





#36

1,1-Dichloropropene

Concen: 4.169 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD075794.D

Acq: 24 Apr 2023 14:28

Instrument :

MSVOA_D

ClientSampleId :

1-GRAB

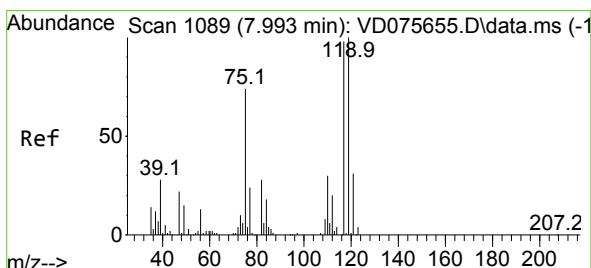
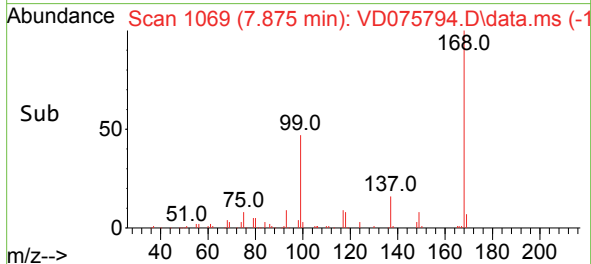
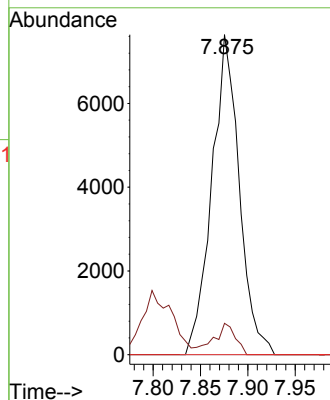
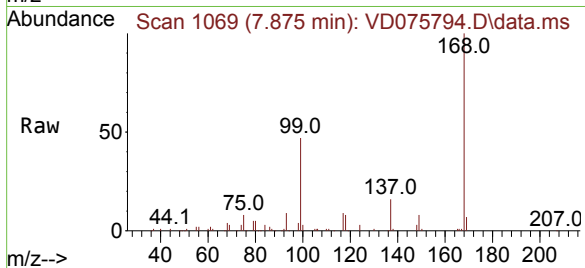
Tgt Ion: 75 Resp: 15413

Ion Ratio Lower Upper

75 100

110 7.5 17.1 51.2#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 5.693 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD075794.D

Acq: 24 Apr 2023 14:28

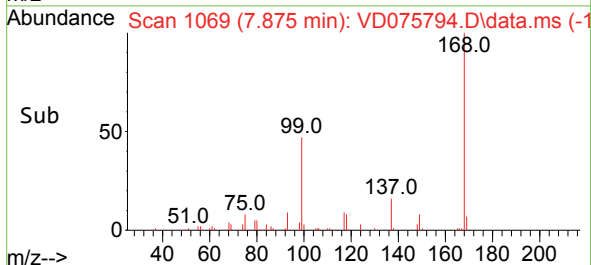
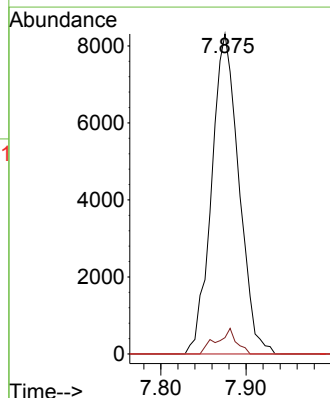
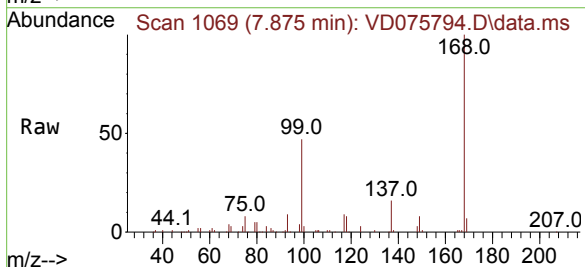
Tgt Ion: 117 Resp: 18532

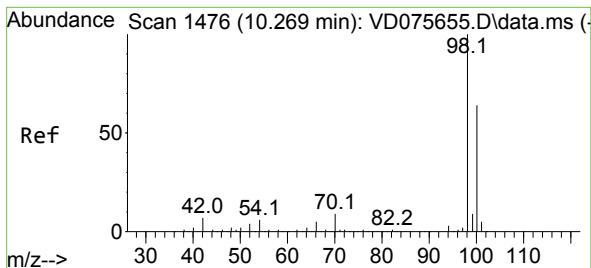
Ion Ratio Lower Upper

117 100

119 5.1 74.7 112.1#

121 0.0 25.9 38.9#





#50

Toluene-d8

Concen: 39.620 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD075794.D

Acq: 24 Apr 2023 14:28

Instrument :

MSVOA_D

ClientSampleId :

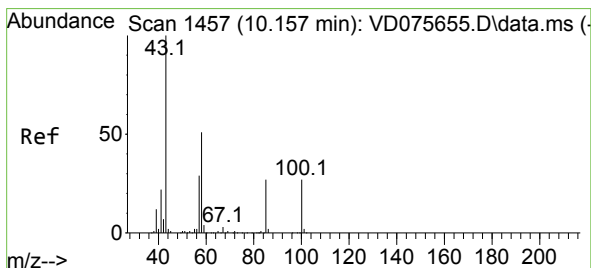
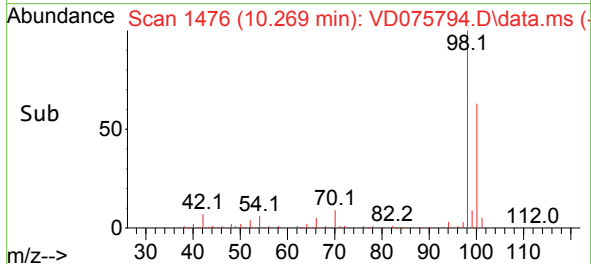
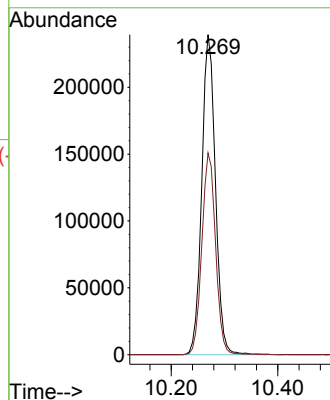
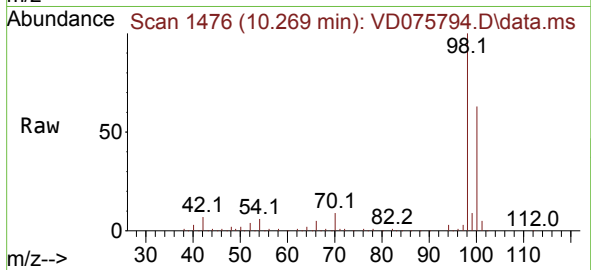
1-GRAB

Tgt Ion: 98 Resp: 425149

Ion Ratio Lower Upper

98 100

100 63.4 52.1 78.1



#51

4-Methyl-2-Pentanone

Concen: 1.010 ug/l

RT: 10.263 min Scan# 1475

Delta R.T. 0.106 min

Lab File: VD075794.D

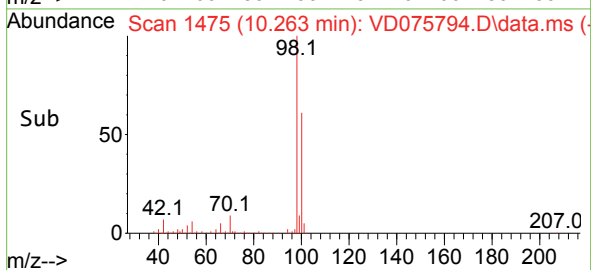
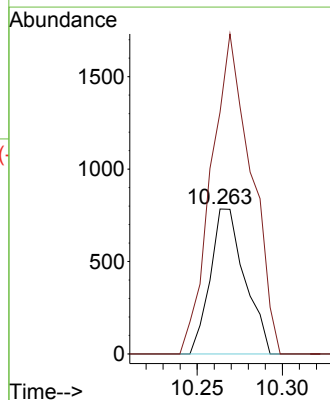
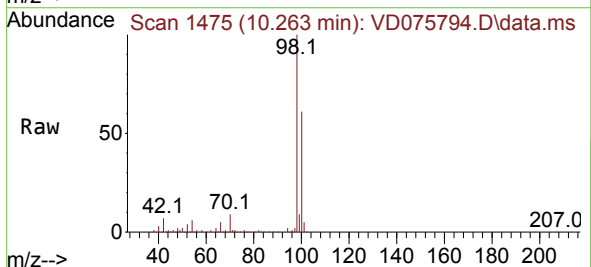
Acq: 24 Apr 2023 14:28

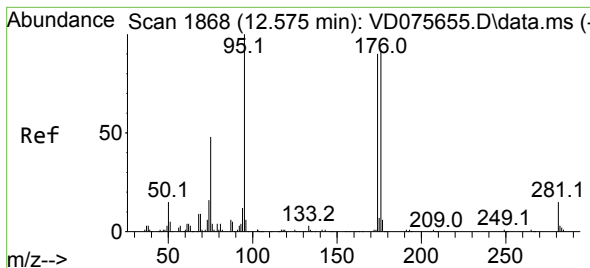
Tgt Ion: 43 Resp: 1105

Ion Ratio Lower Upper

43 100

58 255.7 29.5 44.3#

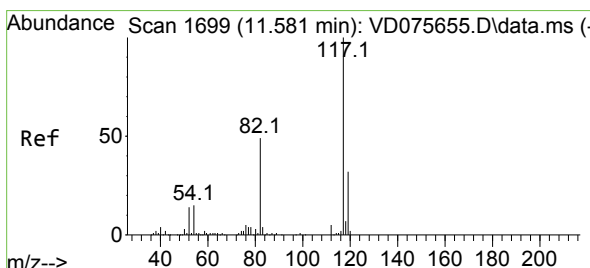
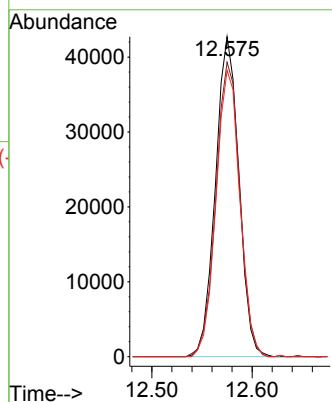
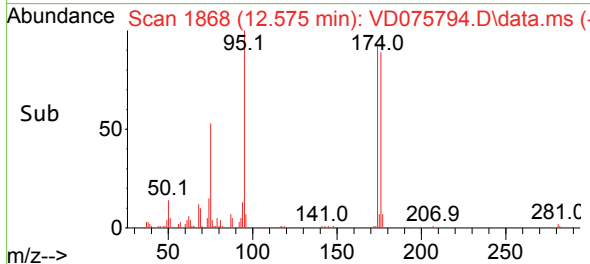
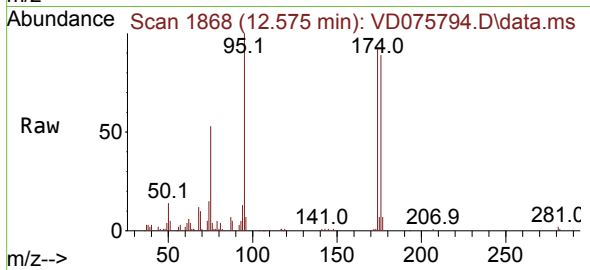




#62
4-Bromofluorobenzene
Concen: 24.188 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD075794.D
Acq: 24 Apr 2023 14:28

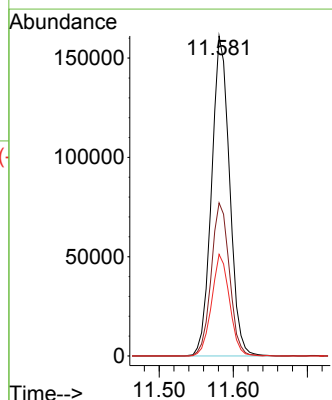
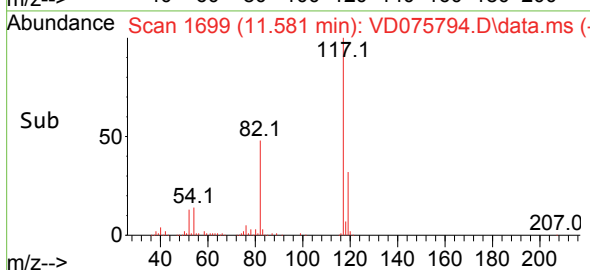
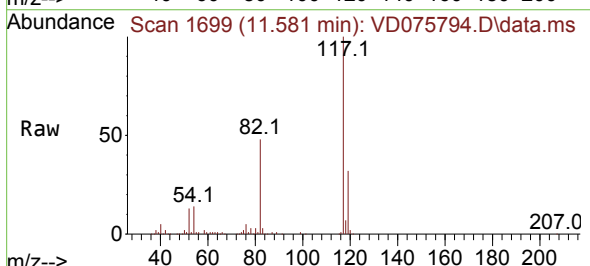
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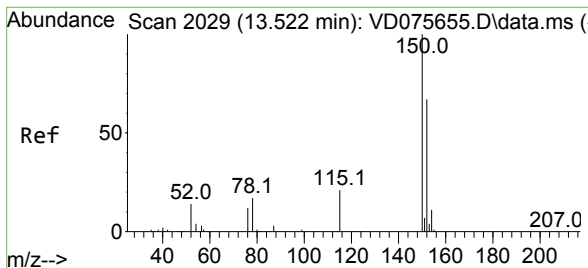
Tgt Ion: 95 Resp: 68988
Ion Ratio Lower Upper
95 100
174 94.9 0.0 164.0
176 91.3 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD075794.D
Acq: 24 Apr 2023 14:28

Tgt Ion: 117 Resp: 271737
Ion Ratio Lower Upper
117 100
82 47.8 44.0 66.0
119 31.8 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 20

Delta R.T. 0.000 min

Lab File: VD075794.D

Acq: 24 Apr 2023 14:28

Instrument :

MSVOA_D

ClientSampleId :

1-GRAB

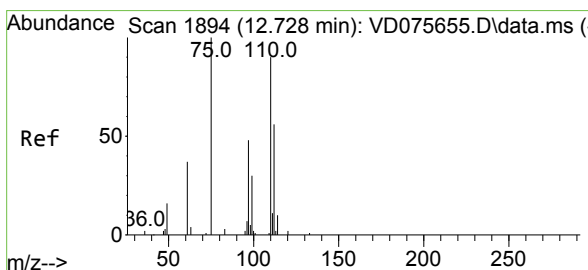
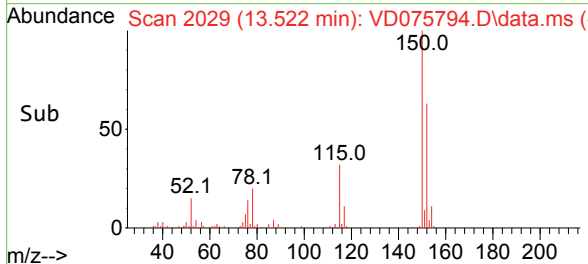
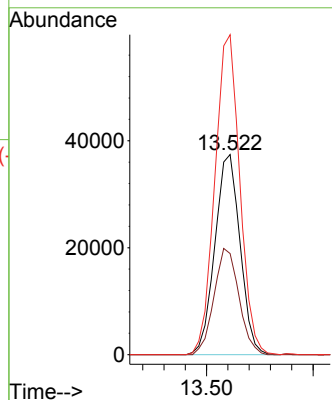
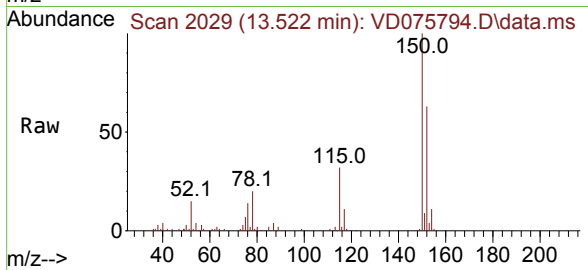
Tgt Ion:152 Resp: 61379

Ion Ratio Lower Upper

152 100

115 52.5 30.1 90.3

150 158.1 0.0 364.8



#76

1,2,3-Trichloropropane

Concen: 69.773 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.153 min

Lab File: VD075794.D

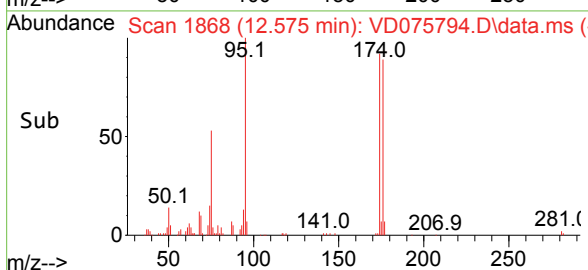
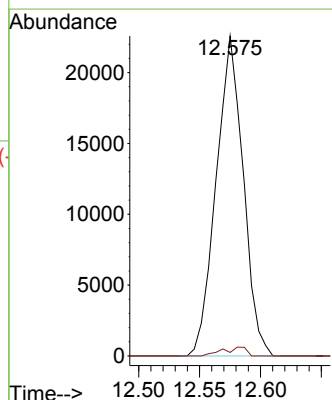
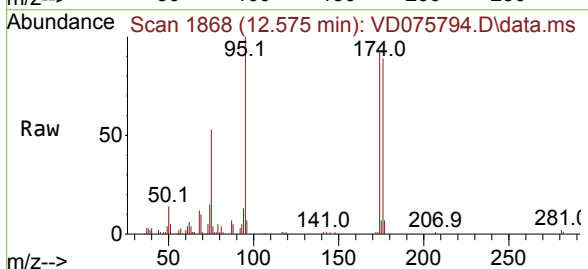
Acq: 24 Apr 2023 14:28

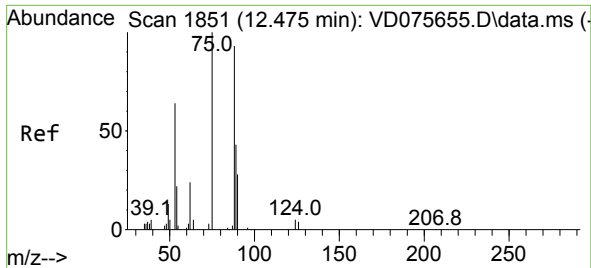
Tgt Ion: 75 Resp: 34924

Ion Ratio Lower Upper

75 100

77 2.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 151.225 ug/l
 RT: 12.575 min Scan# 1851
 Delta R.T. 0.100 min
 Lab File: VD075794.D
 Acq: 24 Apr 2023 14:28

Instrument :
 MSVOA_D
 ClientSampleId :
 1-GRAB

Tgt Ion: 75 Resp: 34924
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 40.2 60.4#

