

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042423\
 Data File : VD075796.D
 Acq On : 24 Apr 2023 15:25
 Operator : KP/SY
 Sample : 02416-04
 Misc : 5.13G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 3-GRAB

Quant Time: Apr 25 06:10:11 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)

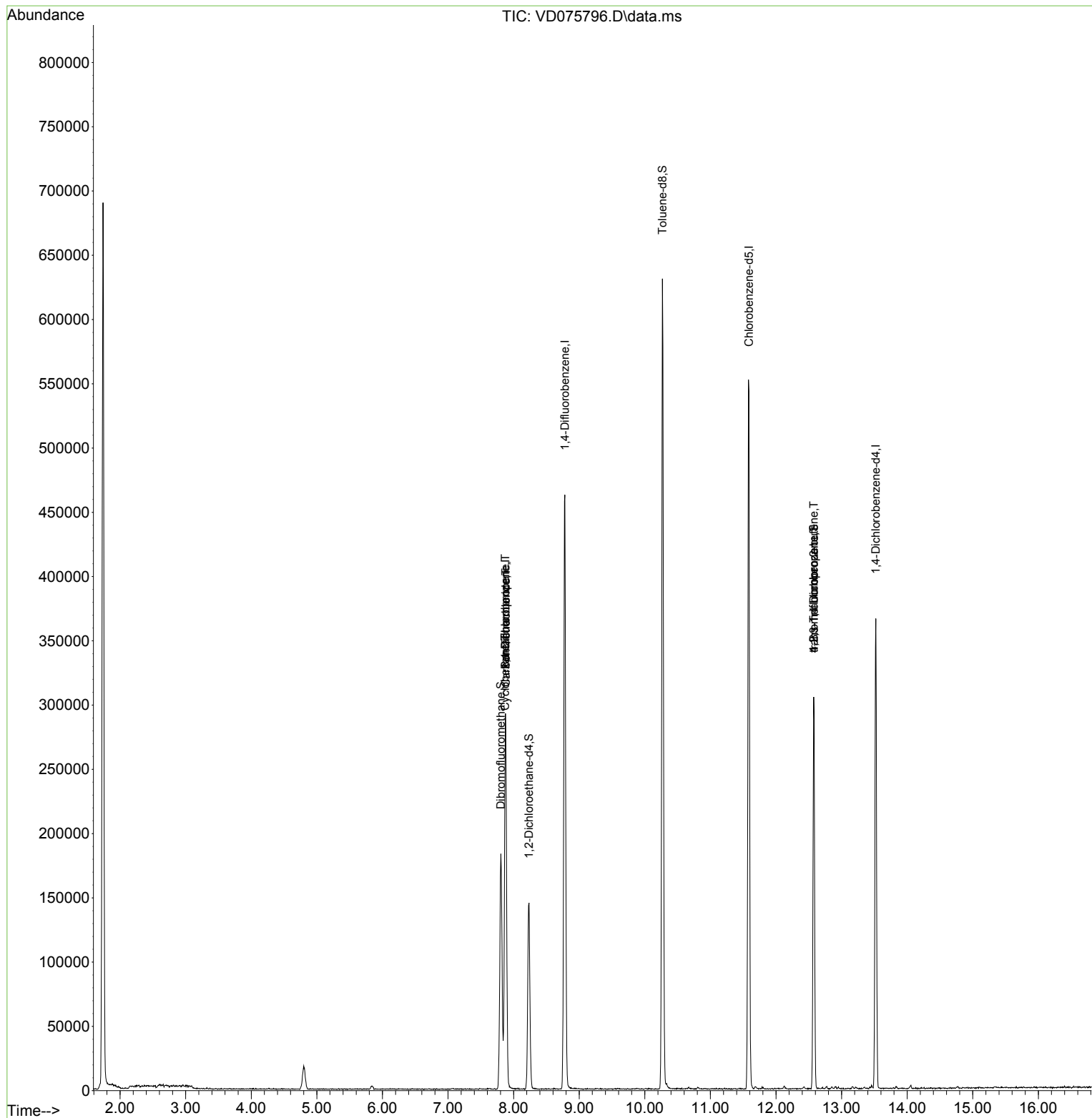
Internal Standards						
1) Pentafluorobenzene	7.875	168	241699	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	452835	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	361044	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	109592	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	113648	49.537	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.080%
35) Dibromofluoromethane	7.805	113	138564	45.494	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.980%
50) Toluene-d8	10.269	98	472548	38.743	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	77.480%
62) 4-Bromofluorobenzene	12.575	95	98231	30.300	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	60.600%
Target Compounds						
					Qvalue	
31) Cyclohexane	7.869	56	4454	1.237	ug/l #	1
36) 1,1-Dichloropropene	7.875	75	17945	4.271	ug/l #	49
38) Carbon Tetrachloride	7.881	117	21623	5.844	ug/l #	17
76) 1,2,3-Trichloropropane	12.575	75	48424	54.183	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	48424	117.436	ug/l #	5

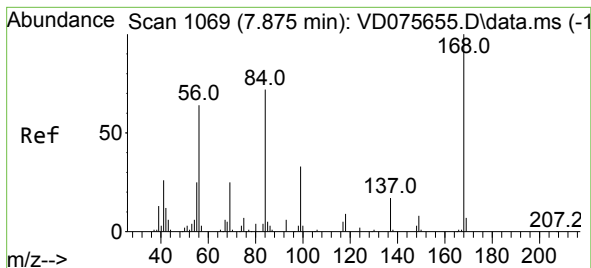
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Apr 13 14:16:29 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: VD075796.D

Acq: 24 Apr 2023 15:25

Instrument :

MSVOA_D

ClientSampleId :

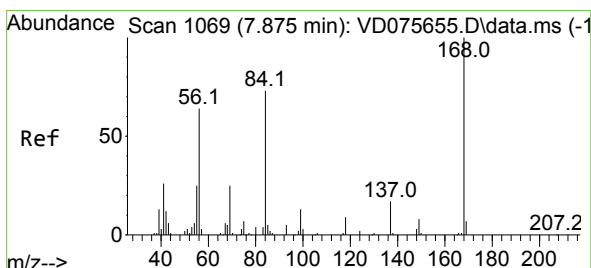
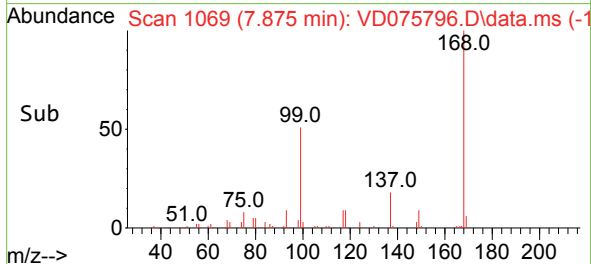
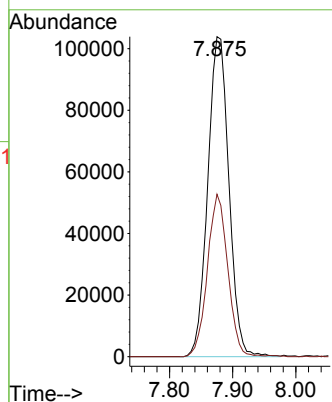
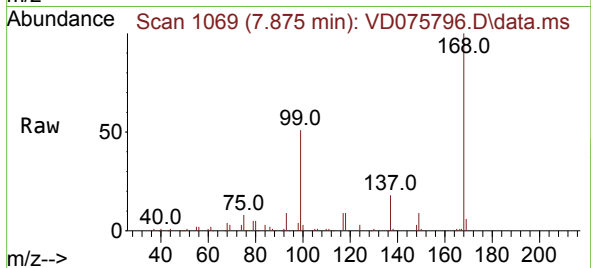
3-GRAB

Tgt Ion:168 Resp: 241699

Ion Ratio Lower Upper

168 100

99 50.8 43.8 65.6



#31

Cyclohexane

Concen: 1.237 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.006 min

Lab File: VD075796.D

Acq: 24 Apr 2023 15:25

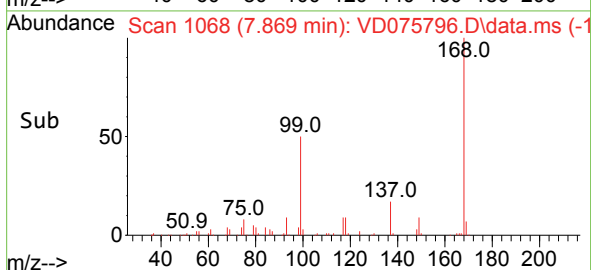
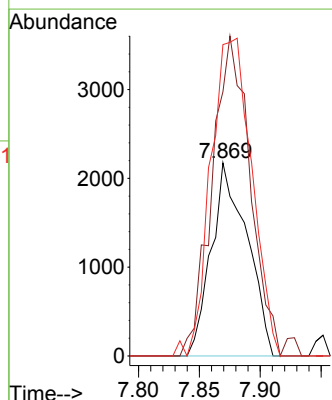
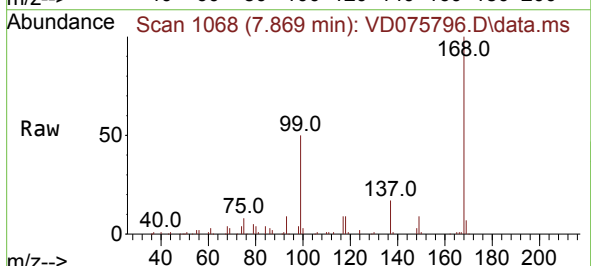
Tgt Ion: 56 Resp: 4454

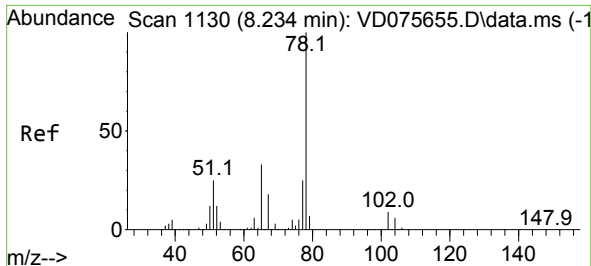
Ion Ratio Lower Upper

56 100

69 136.8 25.5 38.3#

84 161.2 69.6 104.4#





#33

1,2-Dichloroethane-d4

Concen: 49.537 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VD075796.D

Acq: 24 Apr 2023 15:25

Instrument :

MSVOA_D

ClientSampleId :

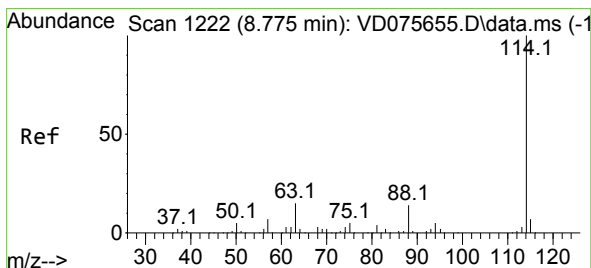
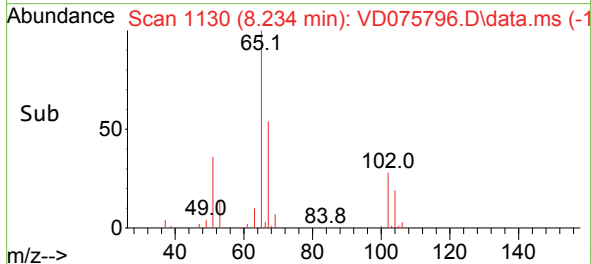
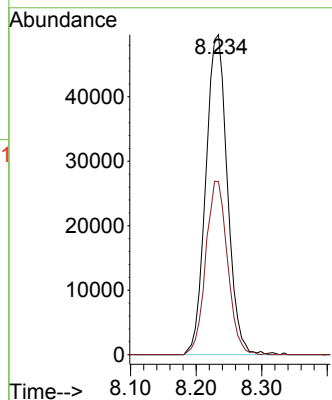
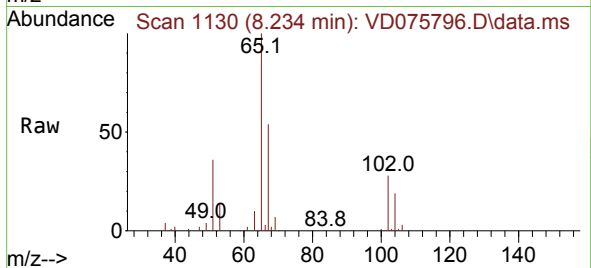
3-GRAB

Tgt Ion: 65 Resp: 113648

Ion Ratio Lower Upper

65 100

67 54.6 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD075796.D

Acq: 24 Apr 2023 15:25

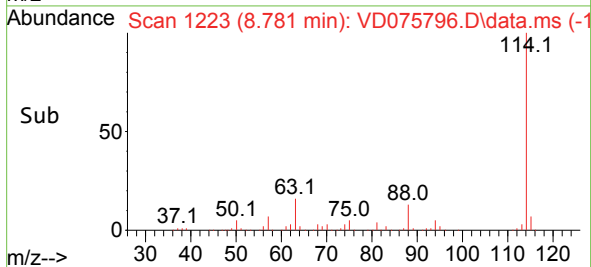
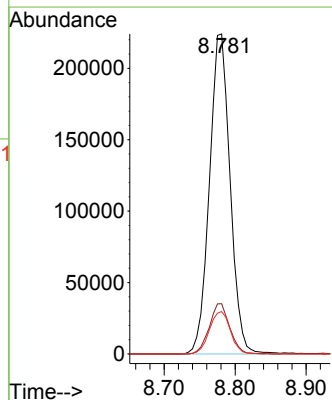
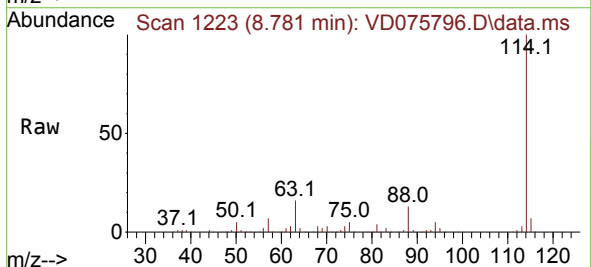
Tgt Ion: 114 Resp: 452835

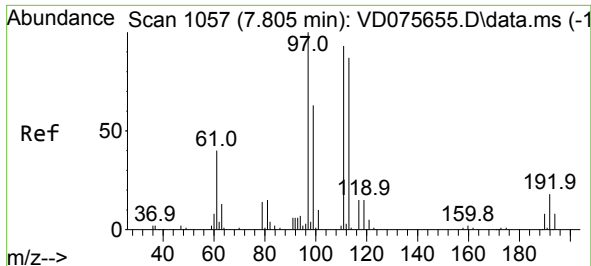
Ion Ratio Lower Upper

114 100

63 15.7 0.0 41.6

88 13.2 0.0 30.6





#35

Dibromofluoromethane

Concen: 45.494 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD075796.D

Acq: 24 Apr 2023 15:25

Instrument :

MSVOA_D

ClientSampleId :

3-GRAB

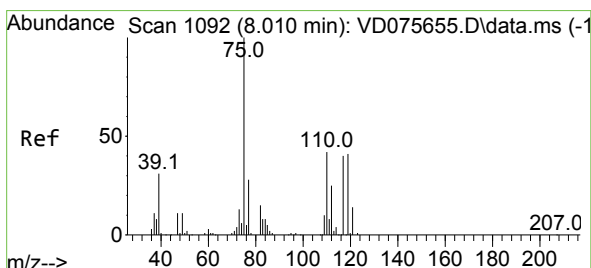
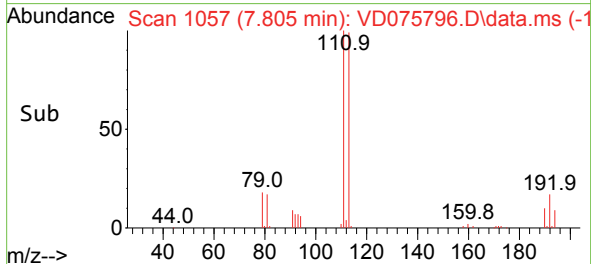
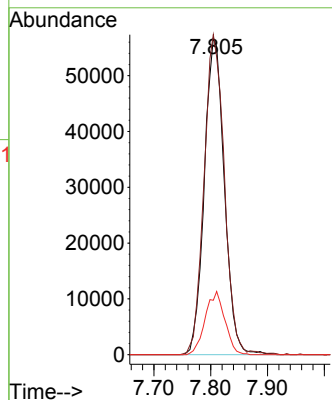
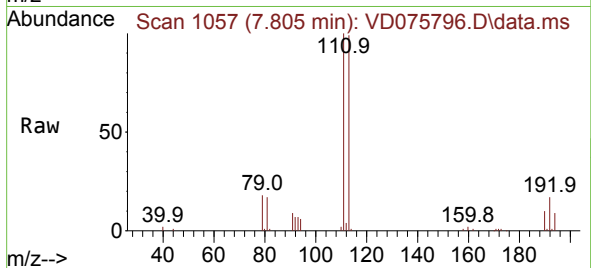
Tgt Ion:113 Resp: 138564

Ion Ratio Lower Upper

113 100

111 102.8 81.4 122.0

192 19.6 15.2 22.8



#36

1,1-Dichloropropene

Concen: 4.271 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD075796.D

Acq: 24 Apr 2023 15:25

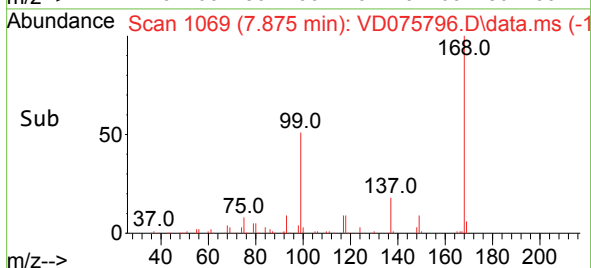
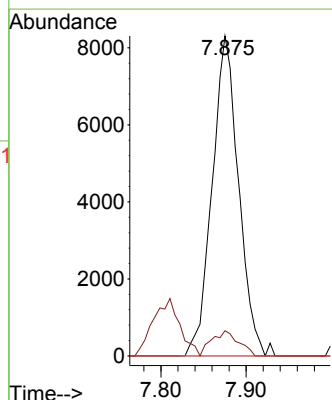
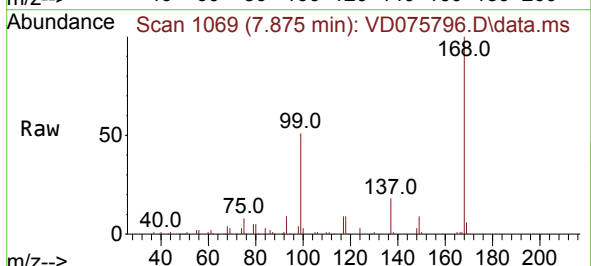
Tgt Ion: 75 Resp: 17945

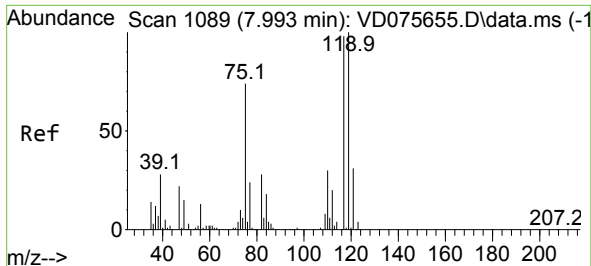
Ion Ratio Lower Upper

75 100

110 8.0 17.1 51.2#

77 0.0 24.6 36.8#

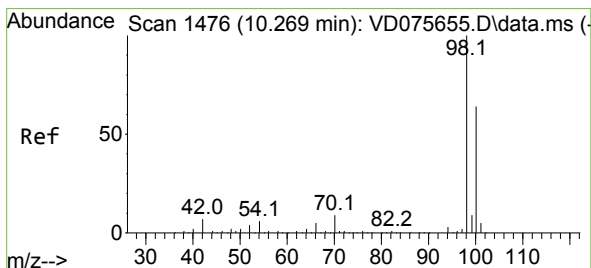
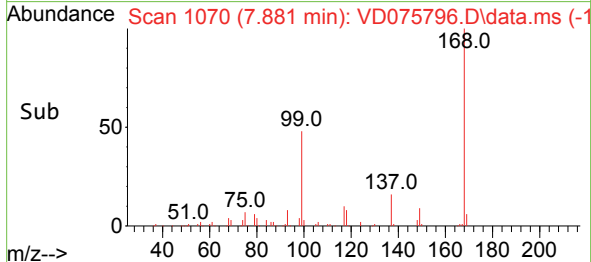
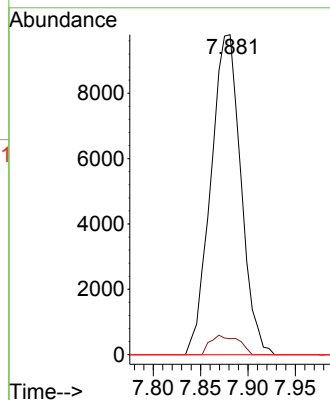
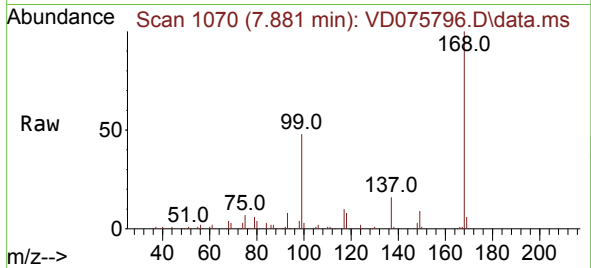




#38
Carbon Tetrachloride
Concen: 5.844 ug/l
RT: 7.881 min Scan# 1089
Delta R.T. -0.112 min
Lab File: VD075796.D
Acq: 24 Apr 2023 15:25

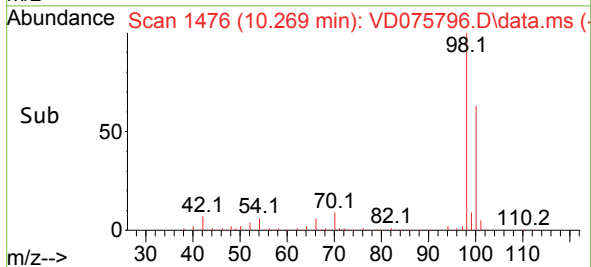
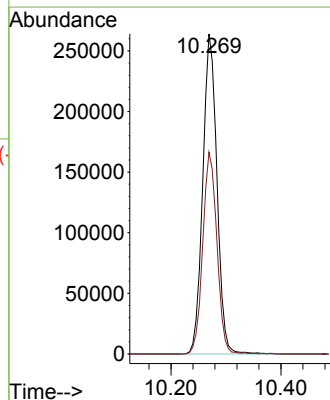
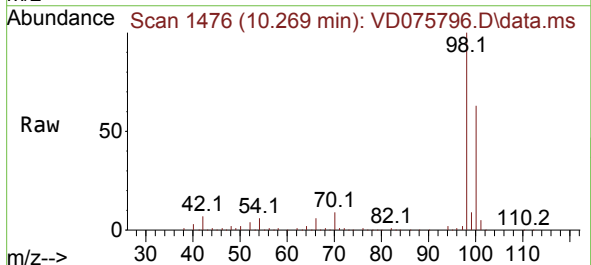
Instrument :
MSVOA_D
ClientSampleId :
3-GRAB

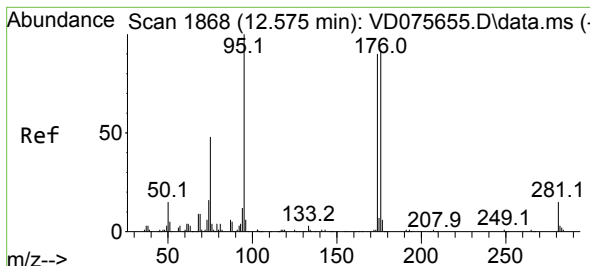
Tgt Ion:117 Resp: 21623
Ion Ratio Lower Upper
117 100
119 5.0 74.7 112.1#
121 0.0 25.9 38.9#



#50
Toluene-d8
Concen: 38.743 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD075796.D
Acq: 24 Apr 2023 15:25

Tgt Ion: 98 Resp: 472548
Ion Ratio Lower Upper
98 100
100 63.0 52.1 78.1

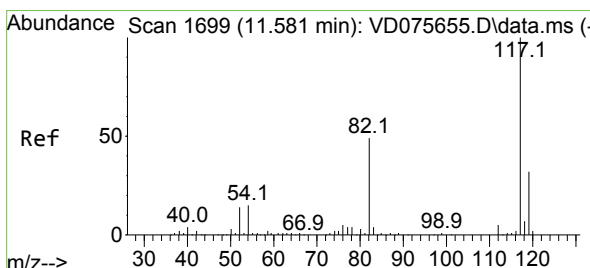
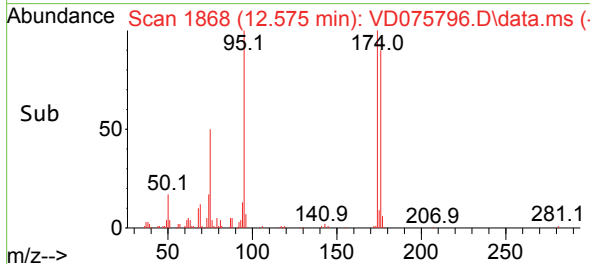
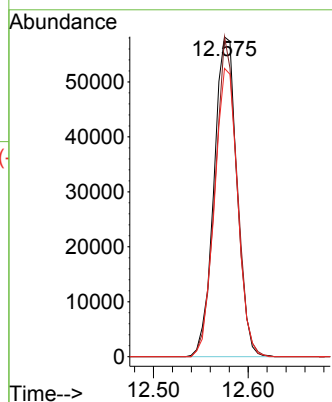
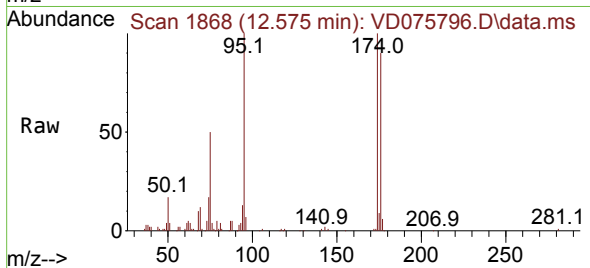




#62
4-Bromofluorobenzene
Concen: 30.300 ug/l
RT: 12.575 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075796.D
Acq: 24 Apr 2023 15:25

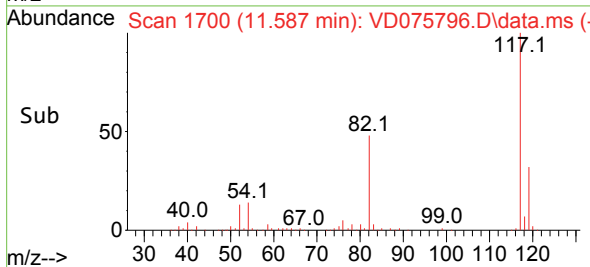
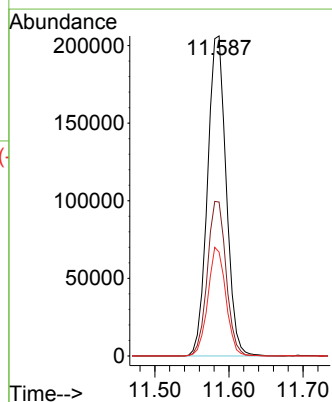
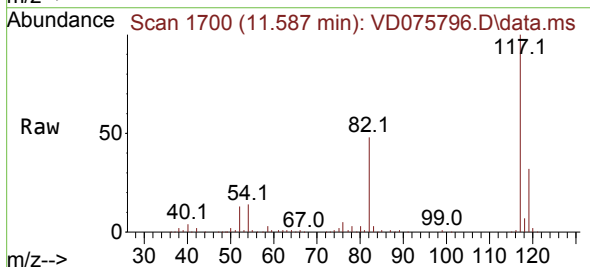
Instrument :
MSVOA_D
ClientSampleId :
3-GRAB

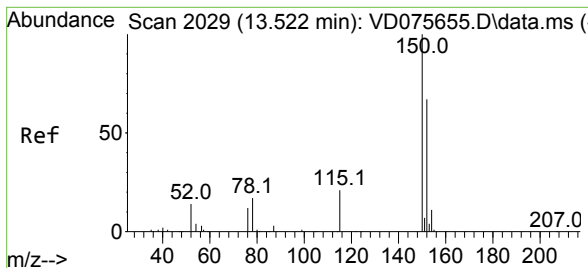
Tgt Ion: 95 Resp: 98231
Ion Ratio Lower Upper
95 100
174 95.1 0.0 164.0
176 90.6 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 1700
Delta R.T. 0.006 min
Lab File: VD075796.D
Acq: 24 Apr 2023 15:25

Tgt Ion: 117 Resp: 361044
Ion Ratio Lower Upper
117 100
82 48.1 44.0 66.0
119 32.4 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: VD075796.D

Acq: 24 Apr 2023 15:25

Instrument :

MSVOA_D

ClientSampleId :

3-GRAB

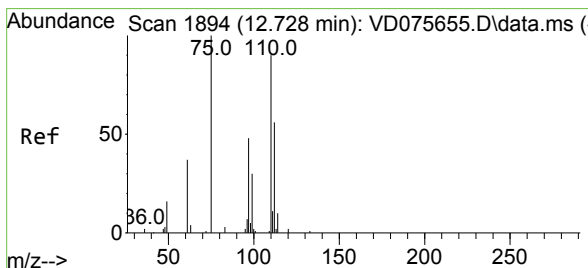
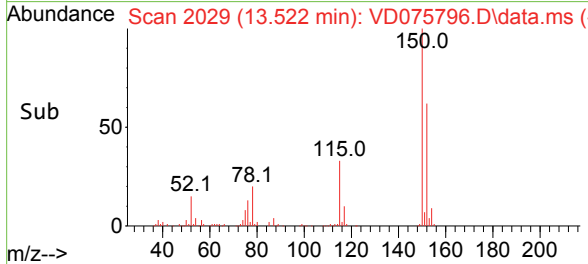
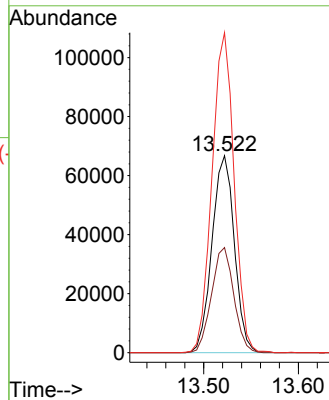
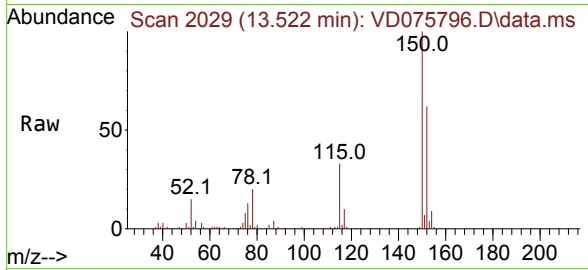
Tgt Ion:152 Resp: 109592

Ion Ratio Lower Upper

152 100

115 53.2 30.1 90.3

150 159.9 0.0 364.8



#76

1,2,3-Trichloropropane

Concen: 54.183 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.153 min

Lab File: VD075796.D

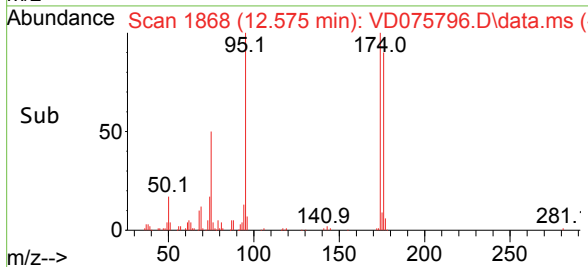
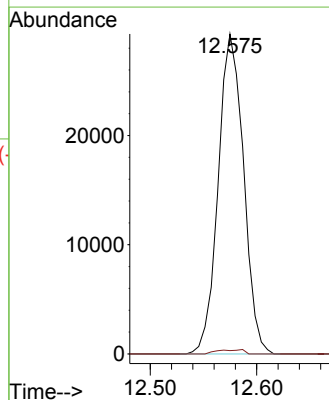
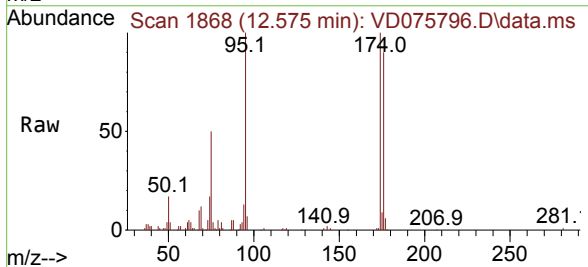
Acq: 24 Apr 2023 15:25

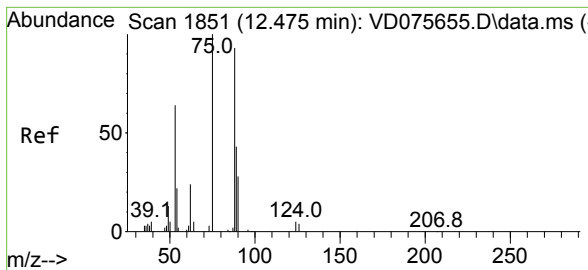
Tgt Ion: 75 Resp: 48424

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 117.436 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD075796.D
 Acq: 24 Apr 2023 15:25

Instrument :
 MSVOA_D
 ClientSampleId :
 3-GRAB

Tgt Ion: 75 Resp: 48424
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 40.2 60.4#

