

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022223\
 Data File : VD075399.D
 Acq On : 22 Feb 2023 14:12
 Operator : KP/SY
 Sample : 01593-01RE
 Misc : 1.95G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-13-SB01

Quant Time: Feb 22 22:38:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D022123S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 21 16:26:04 2023
 Response via : Initial Calibration

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

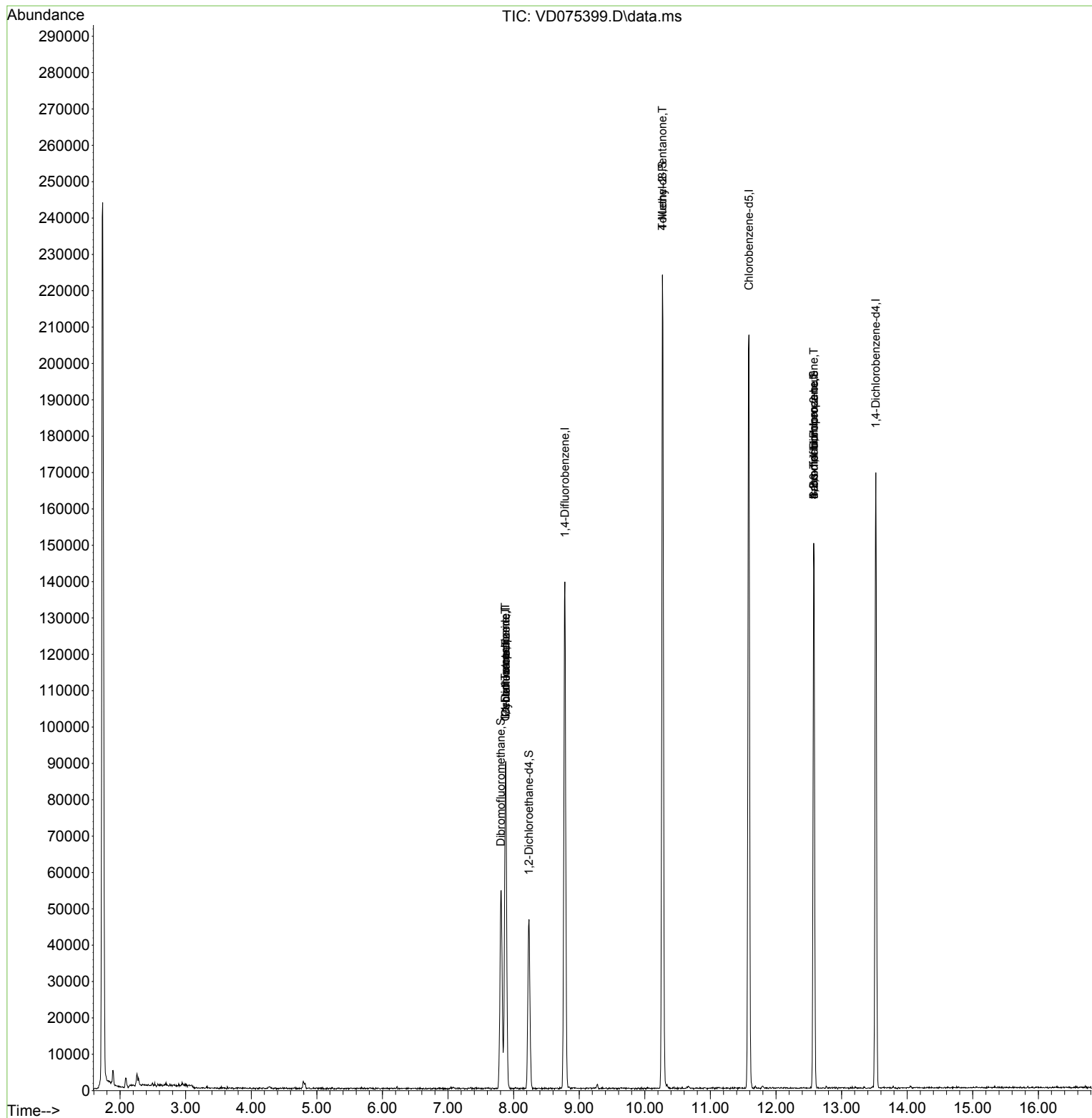
Internal Standards						
1) Pentafluorobenzene	7.881	168	65086	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	116060	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	113852	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	42827	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	36783	66.696	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	133.400%
35) Dibromofluoromethane	7.805	113	38525	55.916	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.840%
50) Toluene-d8	10.269	98	145243	58.413	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	116.820%
62) 4-Bromofluorobenzene	12.575	95	44155	52.885	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	105.760%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.822	84	657	Below Cal	#	74
31) Cyclohexane	7.881	56	2243	1.698	ug/l #	53
36) 1,1-Dichloropropene	7.875	75	5860	4.745	ug/l #	45
38) Carbon Tetrachloride	7.875	117	6885	5.565	ug/l #	17
51) 4-Methyl-2-Pentanone	10.269	43	765	1.663	ug/l #	1
71) Bromoform	12.575	173	564	1.273	ug/l #	30
76) 1,2,3-Trichloropropane	12.575	75	24940	74.362	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	24940	174.114	ug/l #	5

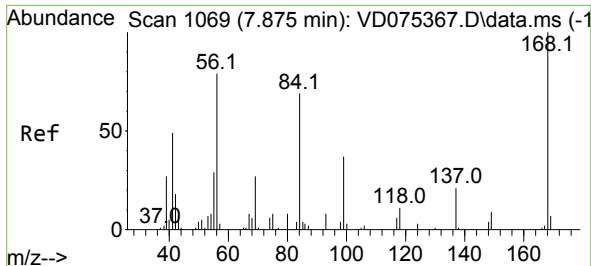
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

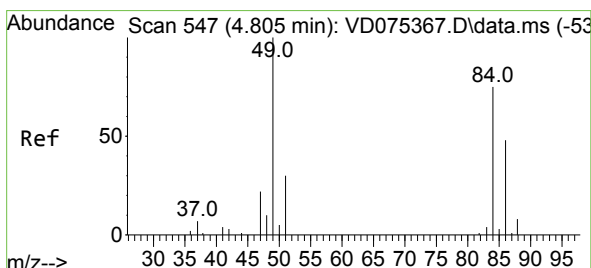
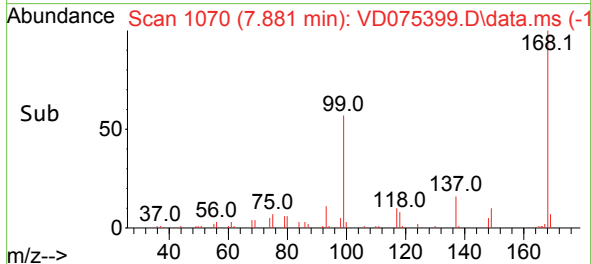
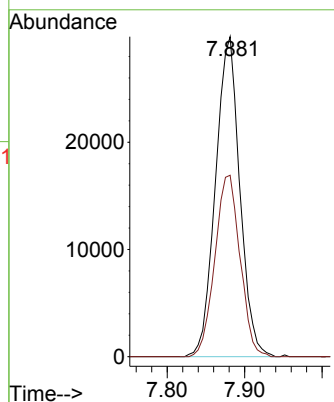
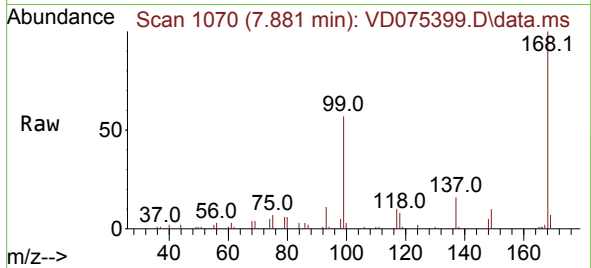




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD075399.D
Acq: 22 Feb 2023 14:12

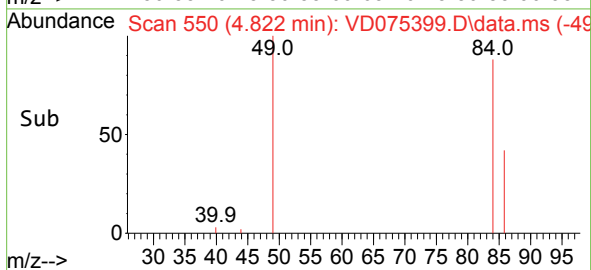
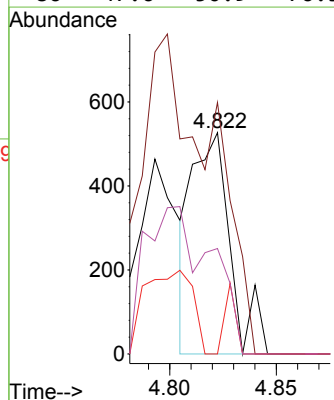
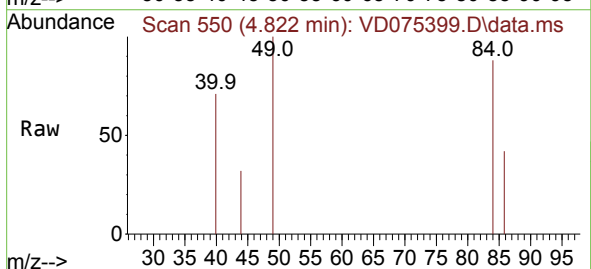
Instrument :
MSVOA_D
ClientSampleId :
B-13-SB01

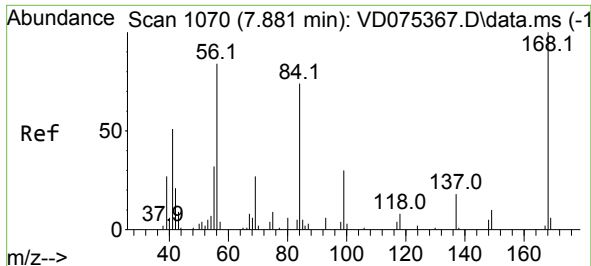
Tgt Ion:168 Resp: 65086
Ion Ratio Lower Upper
168 100
99 56.7 43.8 65.6



#20
Methylene Chloride
Concen: Below Cal
RT: 4.822 min Scan# 550
Delta R.T. 0.017 min
Lab File: VD075399.D
Acq: 22 Feb 2023 14:12

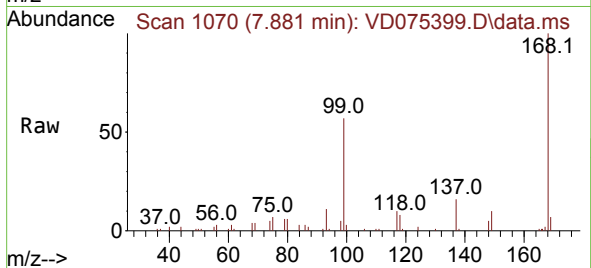
Tgt Ion: 84 Resp: 657
Ion Ratio Lower Upper
84 100
49 113.7 106.4 159.6
51 0.0 32.4 48.6#
86 47.6 50.9 76.3#



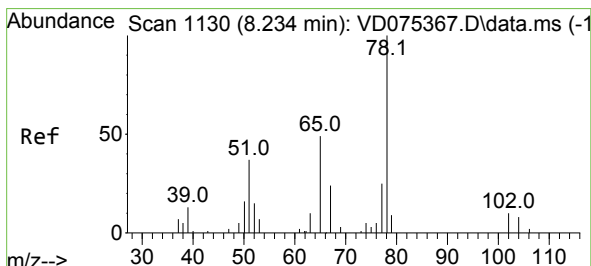
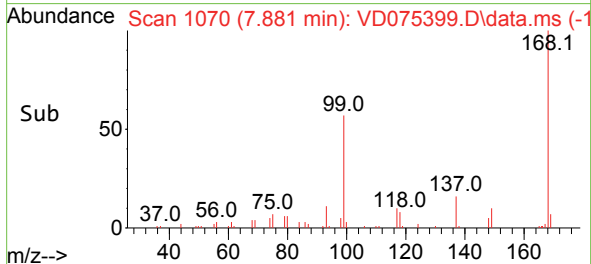
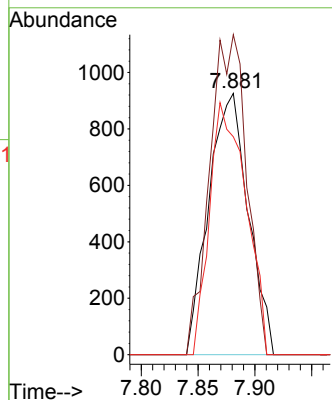


#31
Cyclohexane
Concen: 1.698 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VD075399.D
Acq: 22 Feb 2023 14:12

Instrument :
MSVOA_D
ClientSampleId :
B-13-SB01

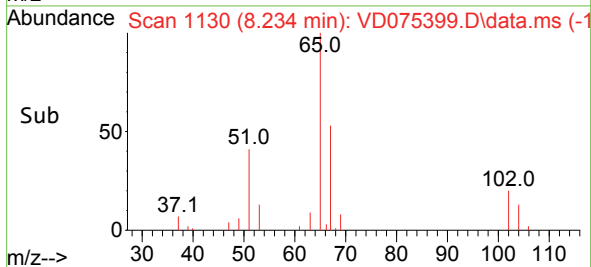
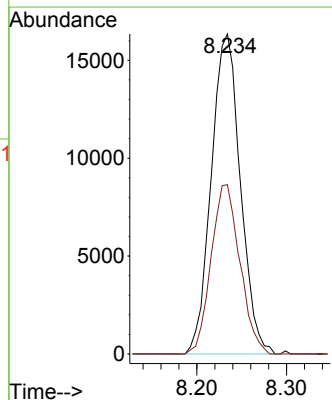
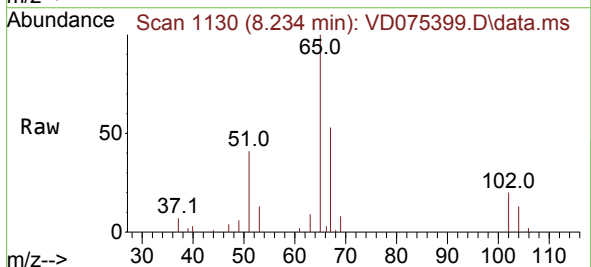


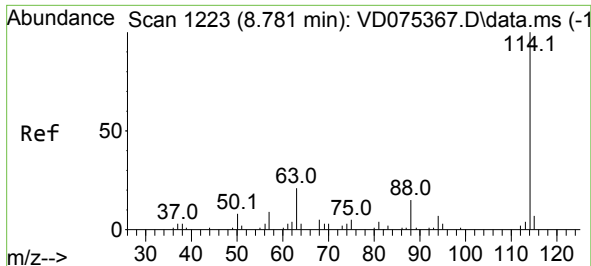
Tgt Ion: 56 Resp: 2243
Ion Ratio Lower Upper
56 100
69 122.5 25.5 38.3#
84 83.4 69.6 104.4



#33
1,2-Dichloroethane-d4
Concen: 66.696 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VD075399.D
Acq: 22 Feb 2023 14:12

Tgt Ion: 65 Resp: 36783
Ion Ratio Lower Upper
65 100
67 52.3 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD075399.D

Acq: 22 Feb 2023 14:12

Instrument :

MSVOA_D

ClientSampleId :

B-13-SB01

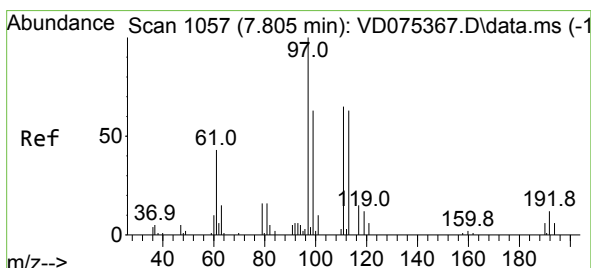
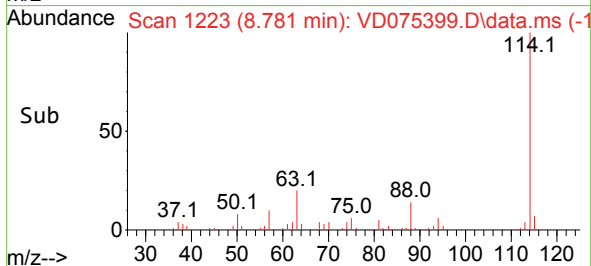
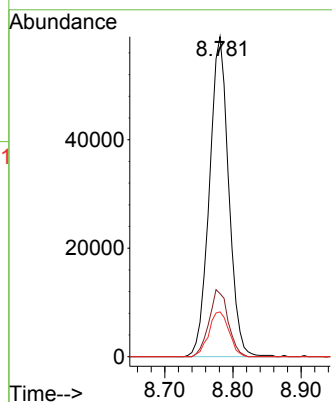
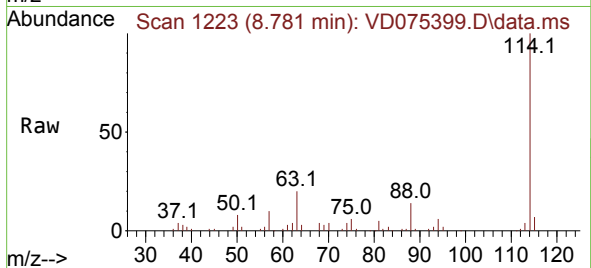
Tgt Ion:114 Resp: 116060

Ion Ratio Lower Upper

114 100

63 19.7 0.0 41.6

88 14.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 55.916 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD075399.D

Acq: 22 Feb 2023 14:12

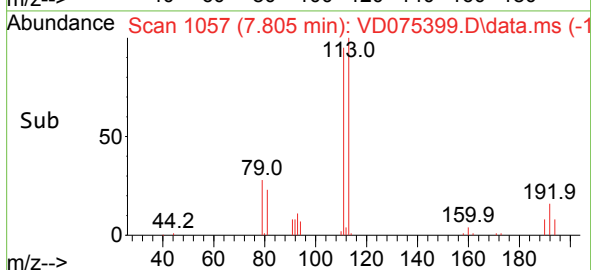
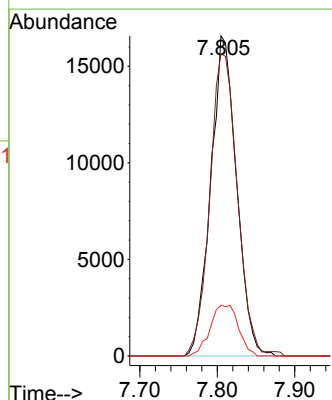
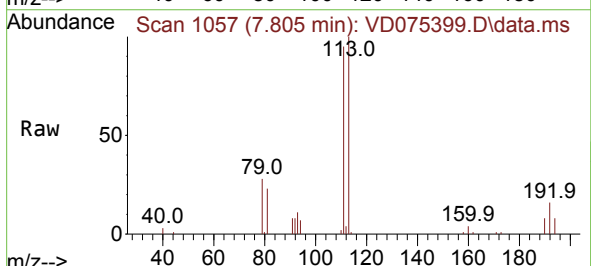
Tgt Ion:113 Resp: 38525

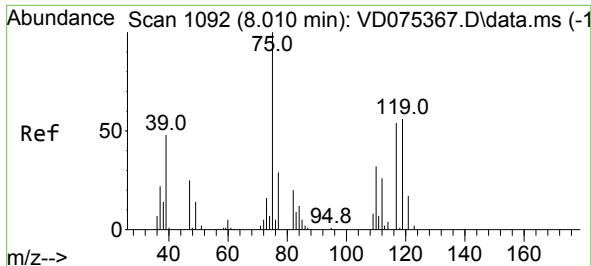
Ion Ratio Lower Upper

113 100

111 100.1 81.4 122.0

192 17.3 15.2 22.8

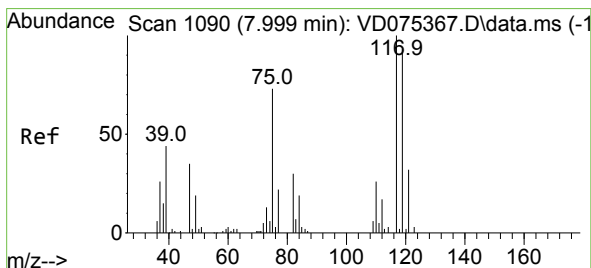
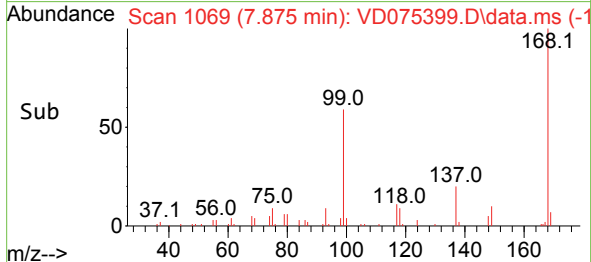
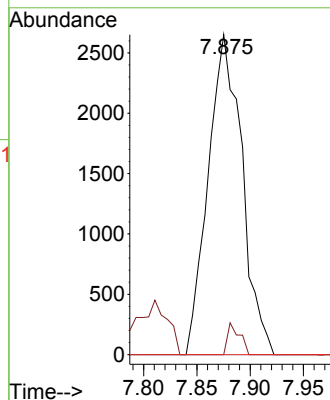
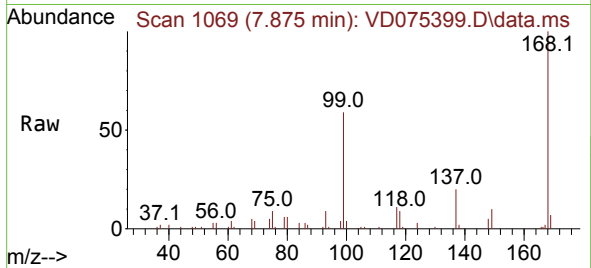




#36
 1,1-Dichloropropene
 Concen: 4.745 ug/l
 RT: 7.875 min Scan# 1069
 Delta R.T. -0.135 min
 Lab File: VD075399.D
 Acq: 22 Feb 2023 14:12

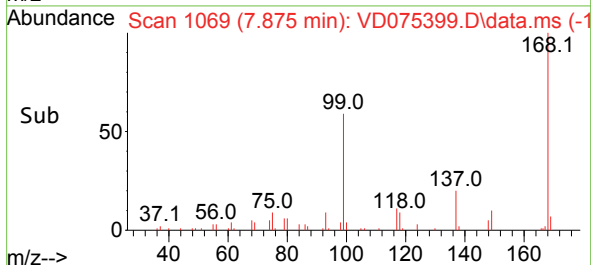
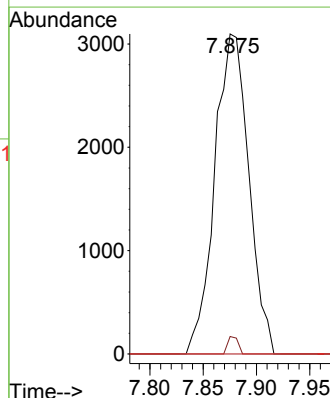
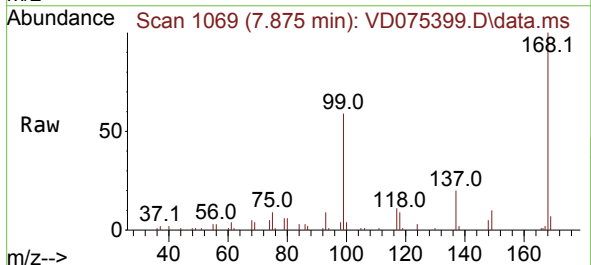
Instrument :
 MSVOA_D
 ClientSampleId :
 B-13-SB01

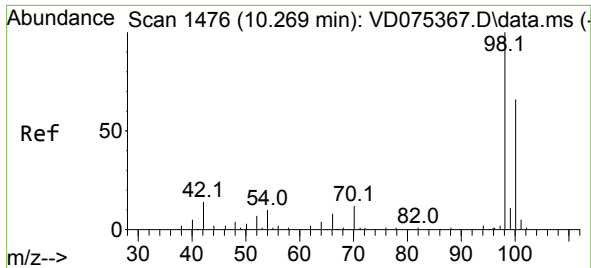
Tgt Ion: 75 Resp: 5860
 Ion Ratio Lower Upper
 75 100
 110 3.5 17.1 51.2#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 5.565 ug/l
 RT: 7.875 min Scan# 1069
 Delta R.T. -0.124 min
 Lab File: VD075399.D
 Acq: 22 Feb 2023 14:12

Tgt Ion: 117 Resp: 6885
 Ion Ratio Lower Upper
 117 100
 119 5.5 74.7 112.1#
 121 0.0 25.9 38.9#

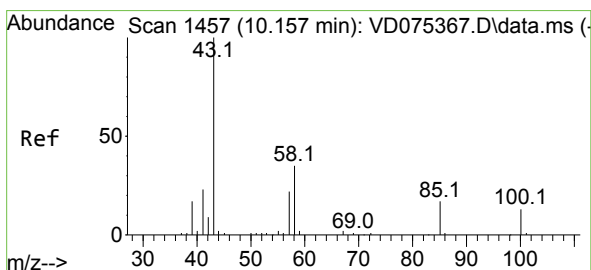
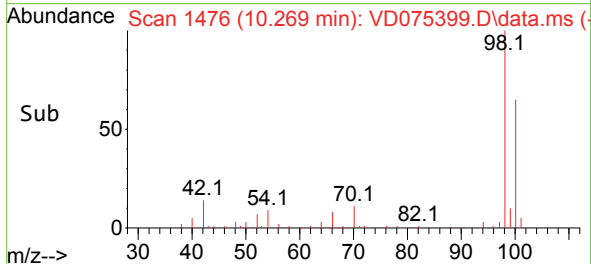
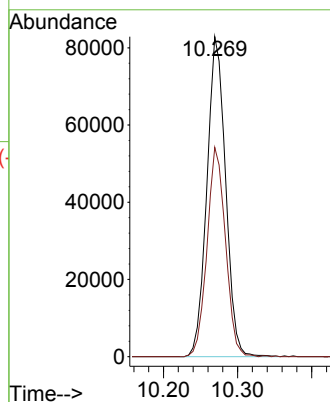
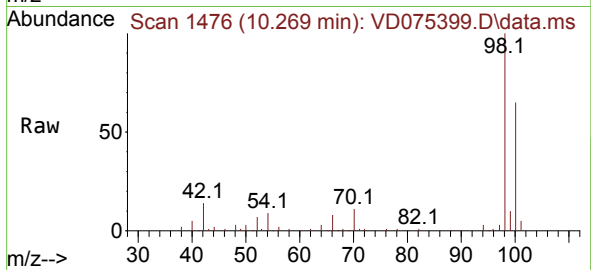




#50
Toluene-d8
Concen: 58.413 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD075399.D
Acq: 22 Feb 2023 14:12

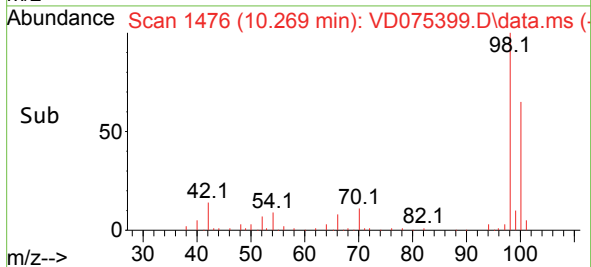
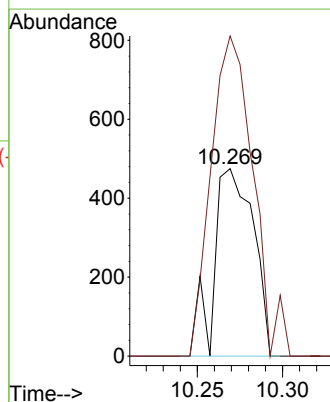
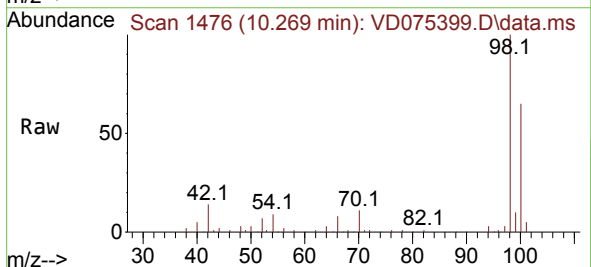
Instrument :
MSVOA_D
ClientSampleId :
B-13-SB01

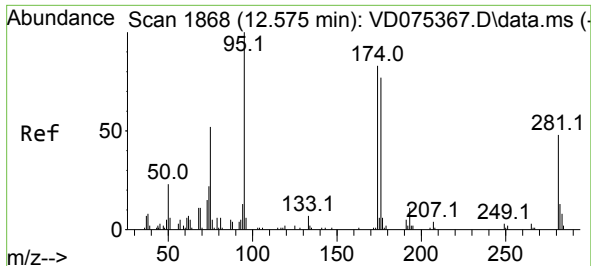
Tgt Ion: 98 Resp: 145243
Ion Ratio Lower Upper
98 100
100 64.4 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 1.663 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.112 min
Lab File: VD075399.D
Acq: 22 Feb 2023 14:12

Tgt Ion: 43 Resp: 765
Ion Ratio Lower Upper
43 100
58 181.7 29.5 44.3#

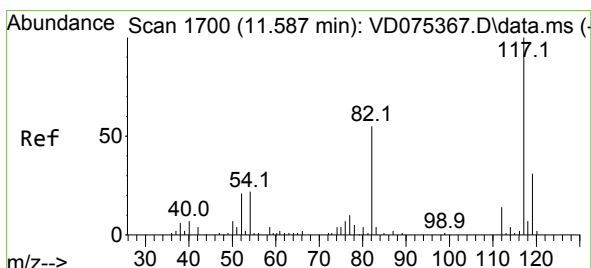
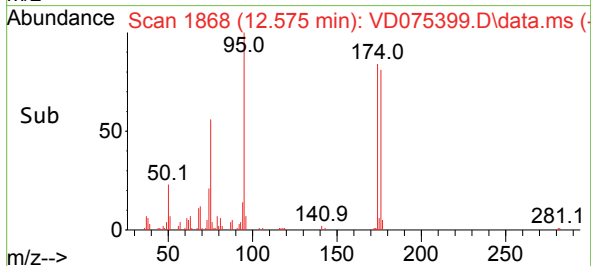
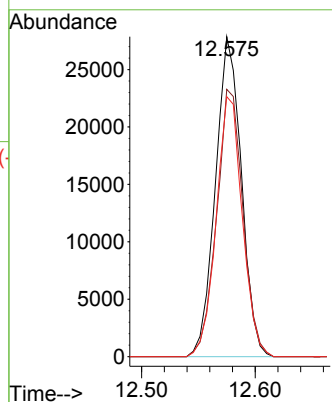
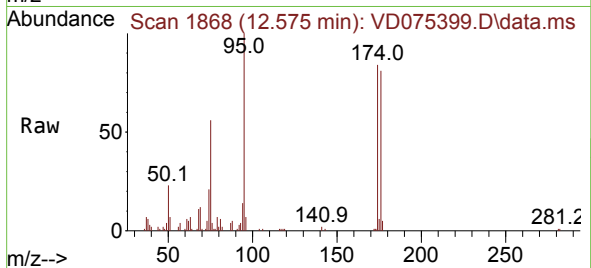




#62
4-Bromofluorobenzene
Concen: 52.885 ug/l
RT: 12.575 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075399.D
Acq: 22 Feb 2023 14:12

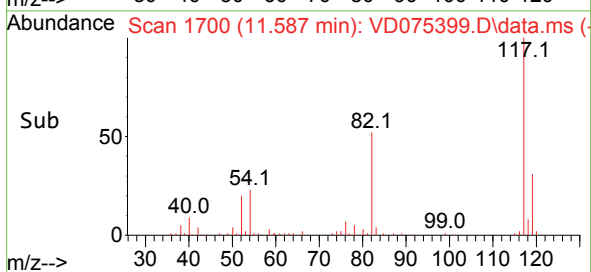
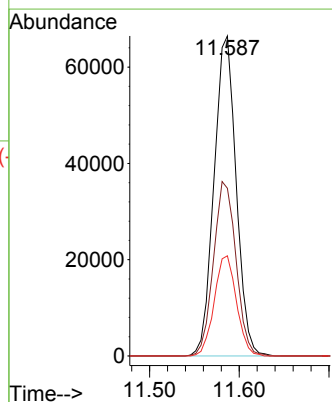
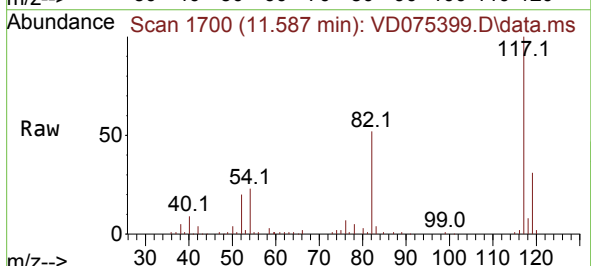
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MSVOA_D
ClientSampleId :
B-13-SB01

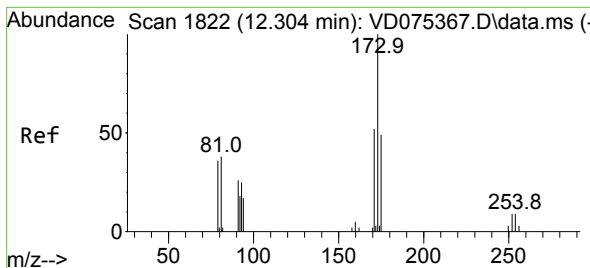
Tgt Ion: 95 Resp: 44155
Ion Ratio Lower Upper
95 100
174 84.7 0.0 164.0
176 81.9 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VD075399.D
Acq: 22 Feb 2023 14:12

Tgt Ion: 117 Resp: 113852
Ion Ratio Lower Upper
117 100
82 52.4 44.0 66.0
119 31.3 25.1 37.7





#71

Bromoform

Concen: 1.273 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.271 min

Lab File: VD075399.D

Acq: 22 Feb 2023 14:12

Instrument :

MSVOA_D

ClientSampleId :

B-13-SB01

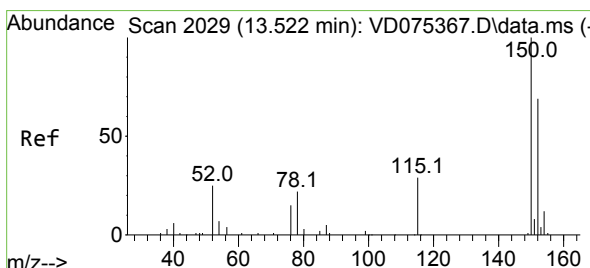
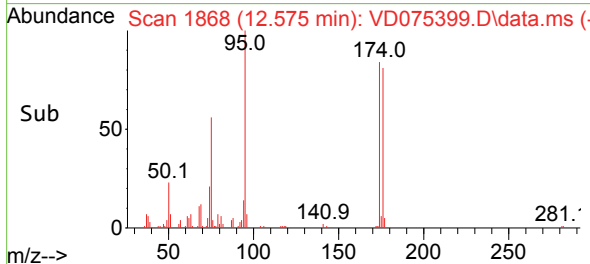
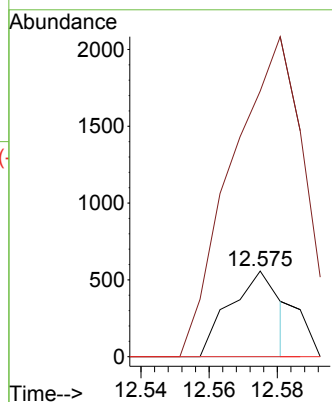
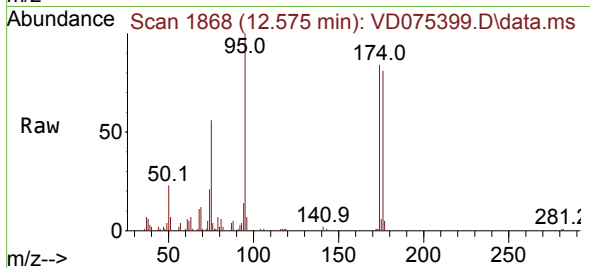
Tgt Ion:173 Resp: 564

Ion Ratio Lower Upper

173 100

175 0.0 23.5 70.5#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 2029

Delta R.T. -0.000 min

Lab File: VD075399.D

Acq: 22 Feb 2023 14:12

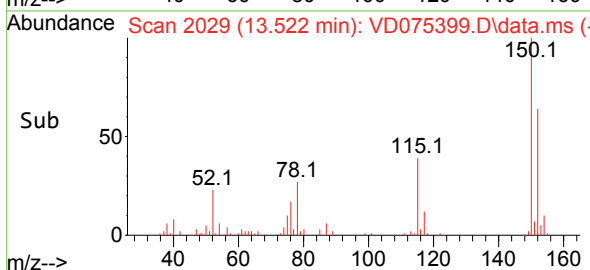
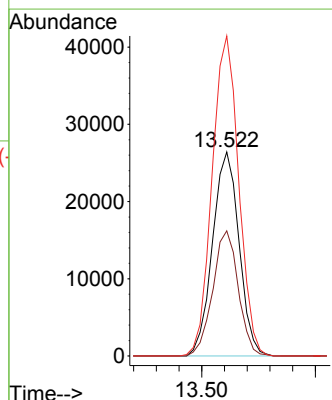
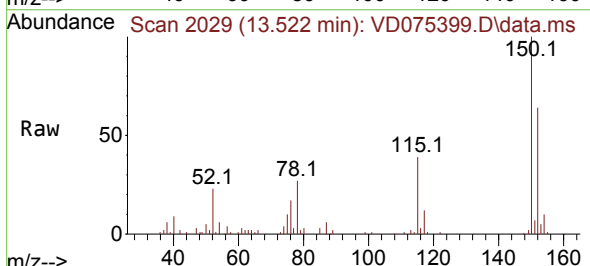
Tgt Ion:152 Resp: 42827

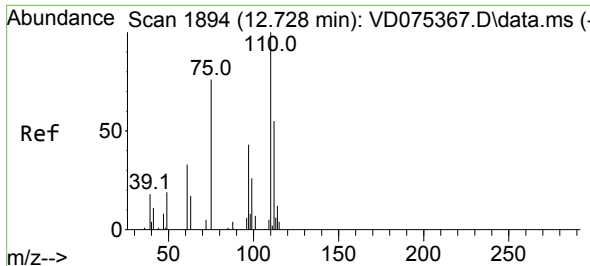
Ion Ratio Lower Upper

152 100

115 59.0 30.1 90.3

150 157.1 0.0 364.8

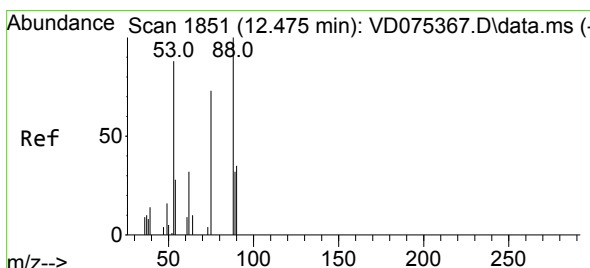
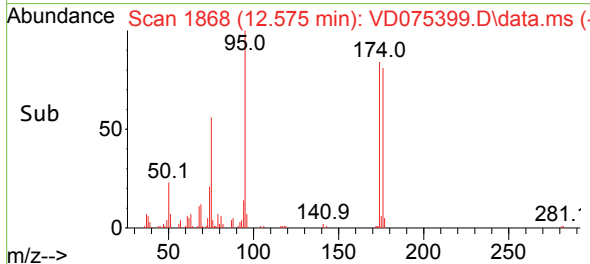
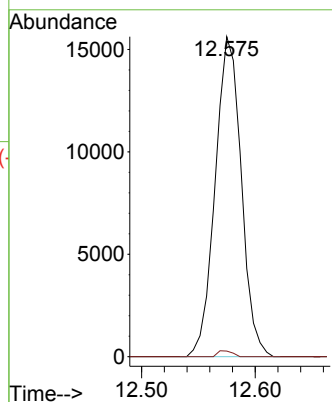
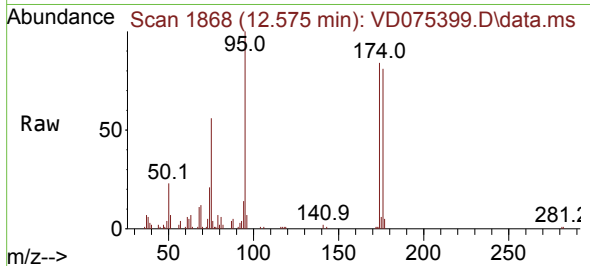




#76
1,2,3-Trichloropropane
Concen: 74.362 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD075399.D
Acq: 22 Feb 2023 14:12

Instrument :
MSVOA_D
ClientSampleId :
B-13-SB01

Tgt Ion: 75 Resp: 24940
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 174.114 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.100 min
Lab File: VD075399.D
Acq: 22 Feb 2023 14:12

Tgt Ion: 75 Resp: 24940
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 40.2 60.4#

