

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011223\
 Data File : VX033706.D
 Acq On : 12 Jan 2023 12:26
 Operator : JC/MD
 Sample : 01130-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 230111038-07-TRIP-BLANK

Quant Time: Jan 13 00:01:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X010723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jan 07 06:16:21 2023
 Response via : Initial Calibration

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

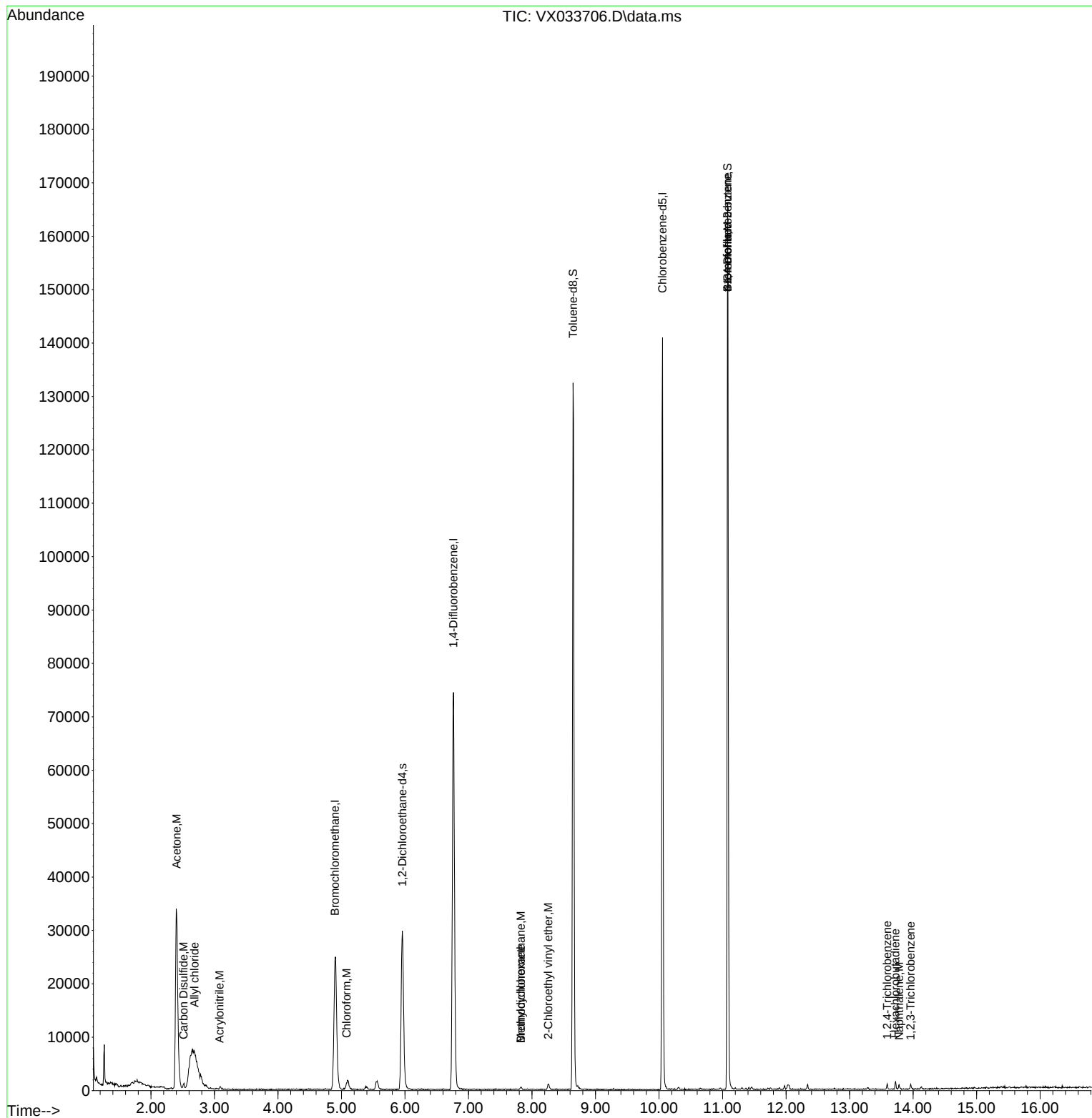
Internal Standards						
1) Bromochloromethane	4.897	128	11633	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	77480	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	61620	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	29775	31.611	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 105.367%	
60) 4-Bromofluorobenzene	11.079	95	42789	38.528	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 128.433%#	
63) Toluene-d8	8.647	98	80790	40.967	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 136.567%#	
Target Compounds						
					Qvalue	
14) Acrylonitrile	3.081	53	130	0.212	ug/l #	46
15) Acetone	2.404	58	16581	119.418	ug/l	84
16) Carbon Disulfide	2.514	76	1066	0.412	ug/l #	76
17) Allyl chloride	2.684	41	1818	0.962	ug/l #	34
25) Chloroform	5.080	83	792	0.349	ug/l	97
38) Methylcyclohexane	7.824	83	427	0.205	ug/l #	17
41) Bromodichloromethane	7.824	83	427	0.252	ug/l #	89
55) 2-Chloroethyl vinyl ether	8.257	63	663	0.725	ug/l #	78
56) Bromoform	11.079	173	218	0.205	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	21245	59.904	ug/l #	3
89) 1,2,4-Trichlorobenzene	13.591	180	435	0.313	ug/l #	84
90) Hexachlorobutadiene	13.719	225	267	0.400	ug/l	82
91) Naphthalene	13.780	128	838	0.205	ug/l #	81
92) 1,2,3-Trichlorobenzene	13.963	180	340	0.244	ug/l	82

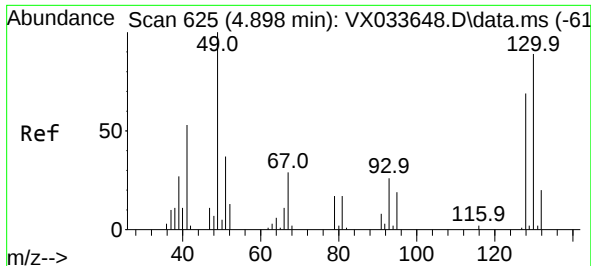
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011223\
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230111038-07-TRIP-BLANK

Quant Time: Jan 13 00:01:27 2023
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jan 07 06:16:21 2023
Response via : Initial Calibration

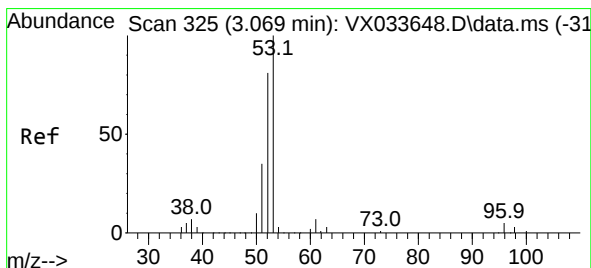
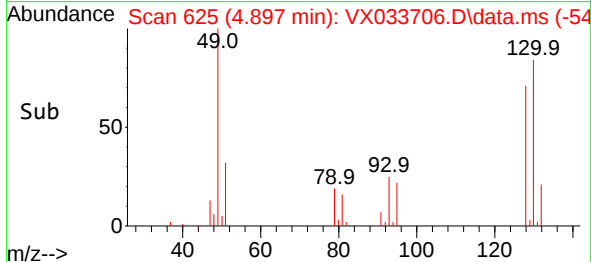
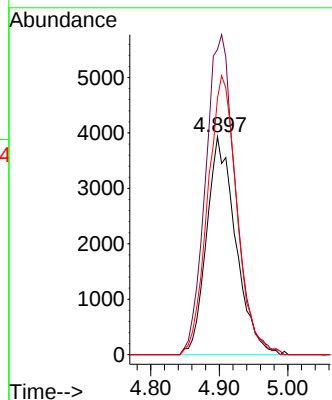
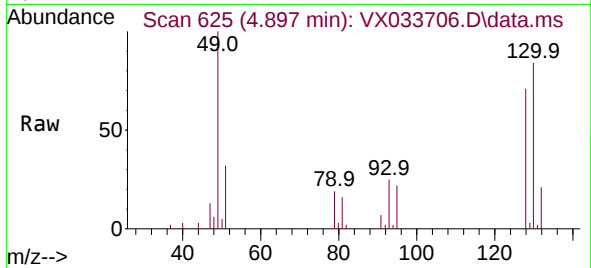




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. -0.001 min
Lab File: VX033706.D
Acq: 12 Jan 2023 12:26

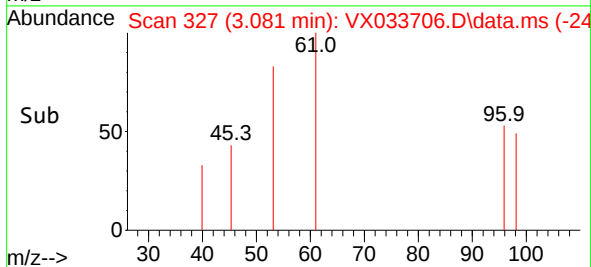
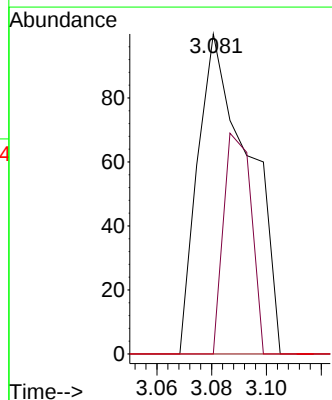
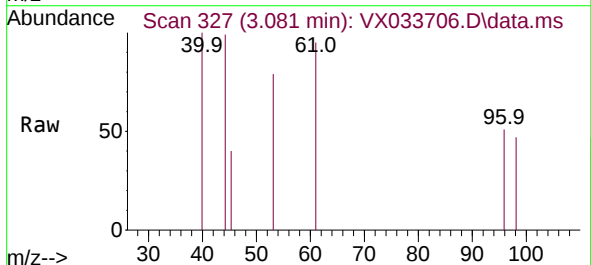
Instrument :
MSVOA_X
ClientSampleId :
230111038-07-TRIP-BLANK

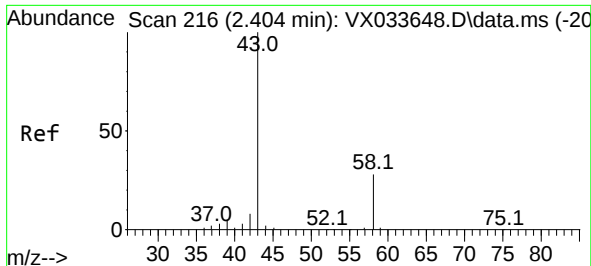
Tgt Ion:128 Resp: 11633
Ion Ratio Lower Upper
128 100
49 150.3 0.0 398.5
130 128.4 0.0 329.0



#14
Acrylonitrile
Concen: 0.212 ug/l
RT: 3.081 min Scan# 327
Delta R.T. 0.012 min
Lab File: VX033706.D
Acq: 12 Jan 2023 12:26

Tgt Ion: 53 Resp: 130
Ion Ratio Lower Upper
53 100
52 36.9 41.3 124.1#
51 0.0 18.4 55.4#





#15

Acetone

Concen: 119.418 ug/l

RT: 2.404 min Scan# 216

Delta R.T. -0.000 min

Lab File: VX033706.D

Acq: 12 Jan 2023 12:26

Instrument :

MSVOA_X

ClientSampleId :

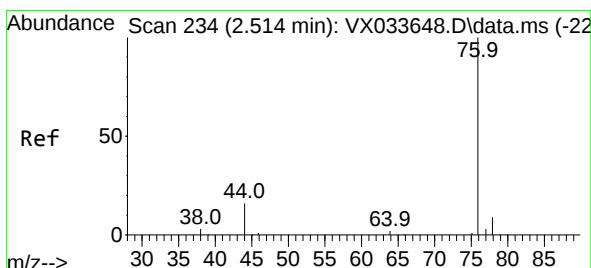
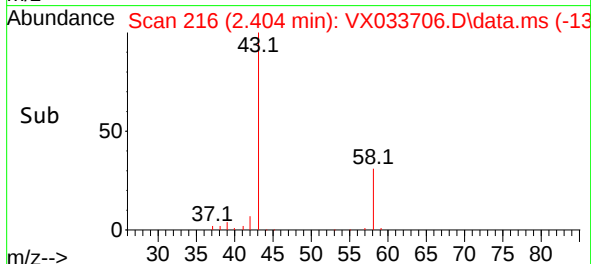
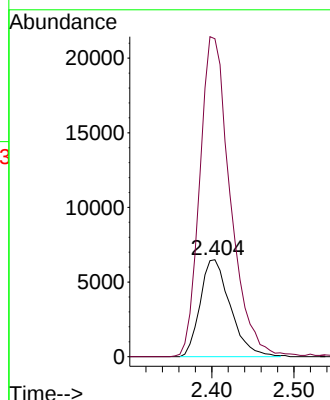
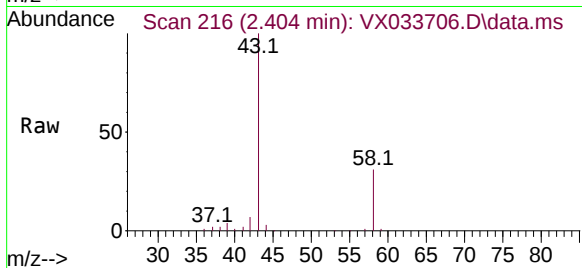
230111038-07-TRIP-BLANK

Tgt Ion: 58 Resp: 16581

Ion Ratio Lower Upper

58 100

43 325.1 288.3 432.5



#16

Carbon Disulfide

Concen: 0.412 ug/l

RT: 2.514 min Scan# 234

Delta R.T. -0.000 min

Lab File: VX033706.D

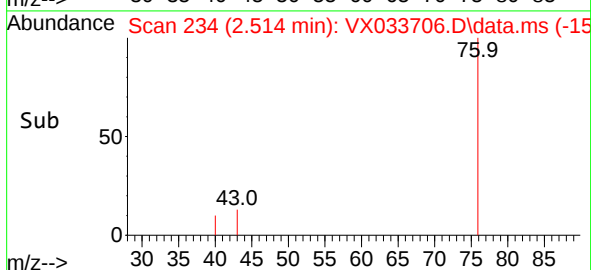
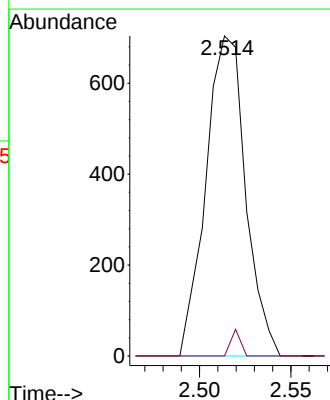
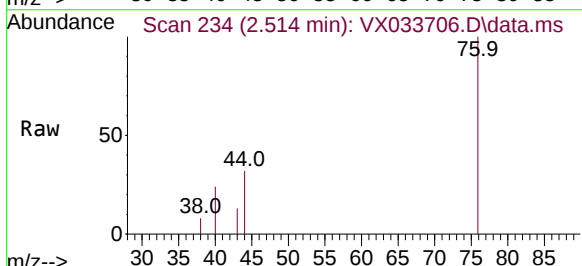
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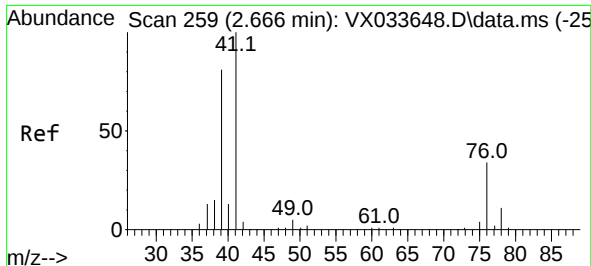
Tgt Ion: 76 Resp: 1066

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#





#17

Allyl chloride

Concen: 0.962 ug/l

RT: 2.684 min Scan# 2

Delta R.T. 0.018 min

Lab File: VX033706.D

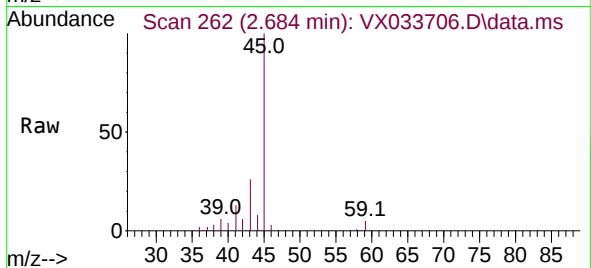
Acq: 12 Jan 2023 12:26

Instrument :

MSVOA_X

ClientSampleId :

230111038-07-TRIP-BLANK



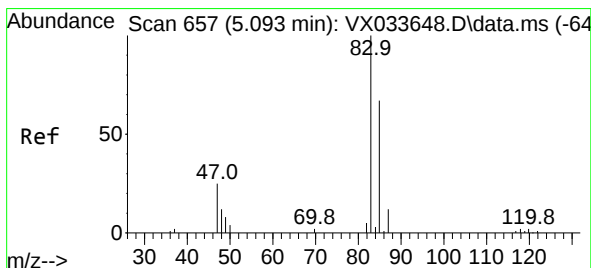
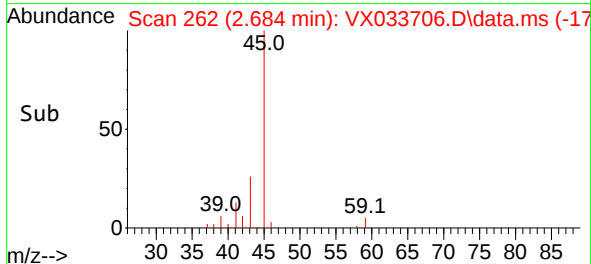
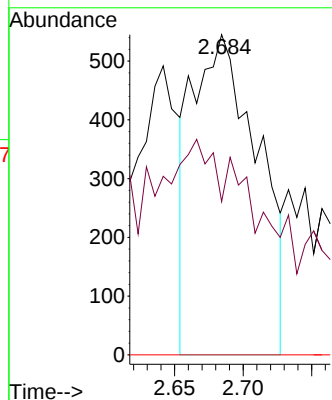
Tgt Ion: 41 Resp: 1818

Ion Ratio Lower Upper

41 100

39 20.1 40.3 120.8#

76 0.0 17.0 50.9#



#25

Chloroform

Concen: 0.349 ug/l

RT: 5.080 min Scan# 655

Delta R.T. -0.012 min

Lab File: VX033706.D

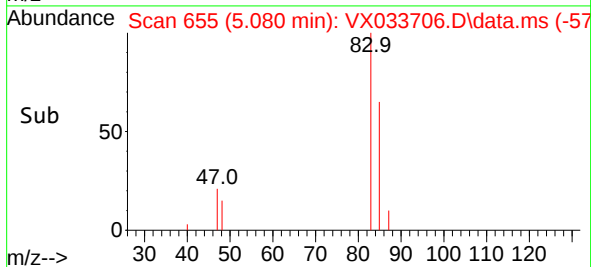
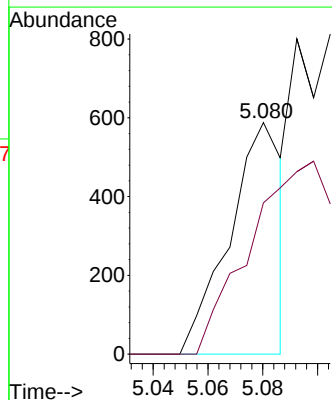
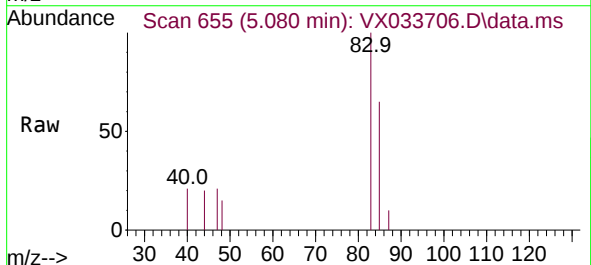
Acq: 12 Jan 2023 12:26

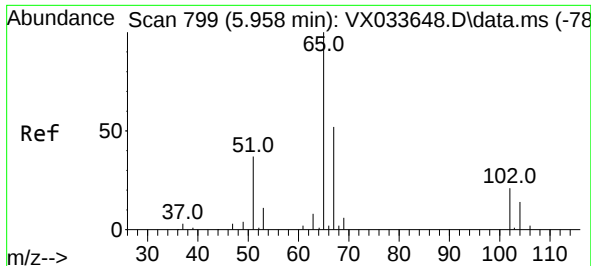
Tgt Ion: 83 Resp: 792

Ion Ratio Lower Upper

83 100

85 65.3 53.9 80.9

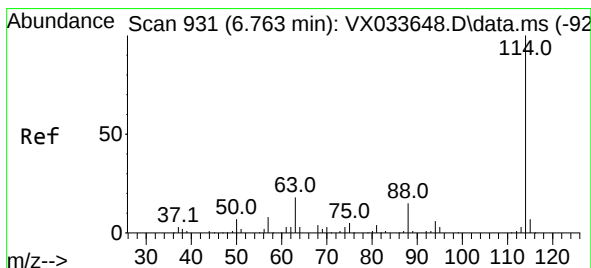
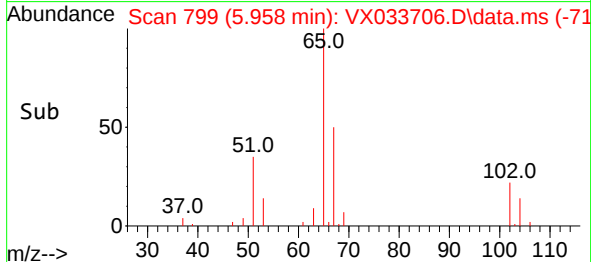
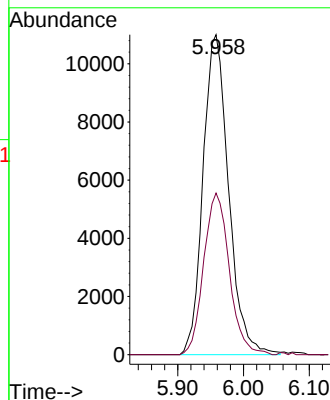
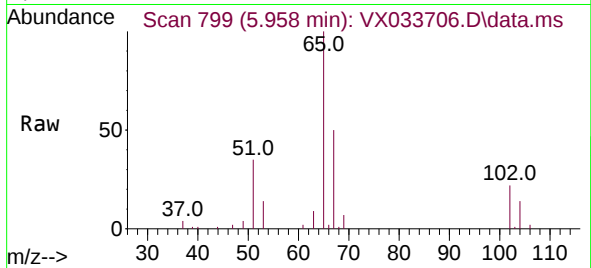




#27
 1,2-Dichloroethane-d4
 Concen: 31.611 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. -0.000 min
 Lab File: VX033706.D
 Acq: 12 Jan 2023 12:26

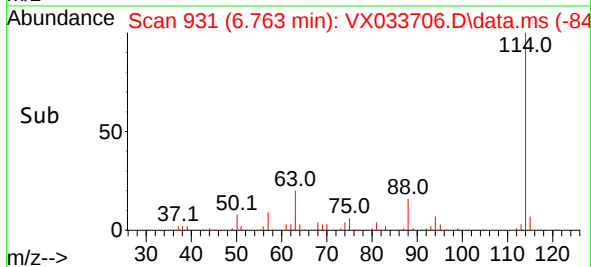
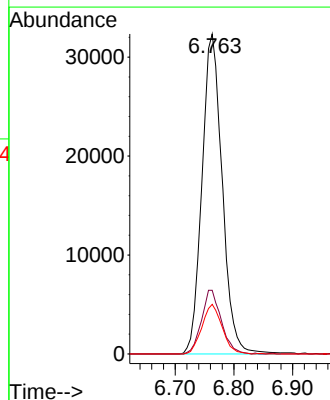
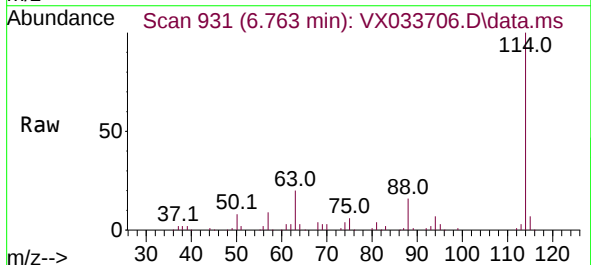
Instrument :
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 ClientSampleId :
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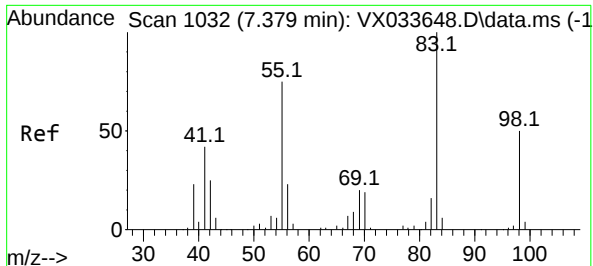
Tgt Ion: 65 Resp: 29775
 Ion Ratio Lower Upper
 65 100
 67 50.6 40.4 60.6



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX033706.D
 Acq: 12 Jan 2023 12:26

Tgt Ion: 114 Resp: 77480
 Ion Ratio Lower Upper
 114 100
 63 19.5 15.5 23.3
 88 15.4 12.4 18.6

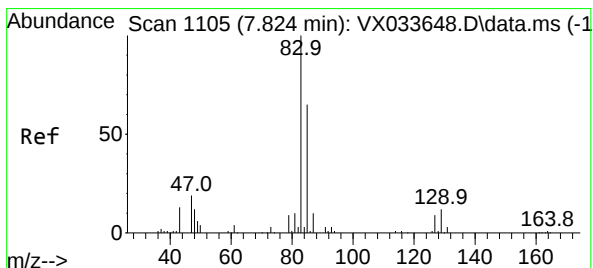
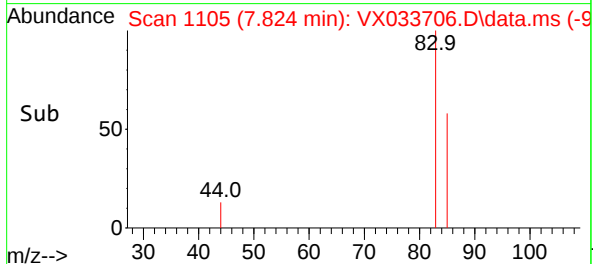
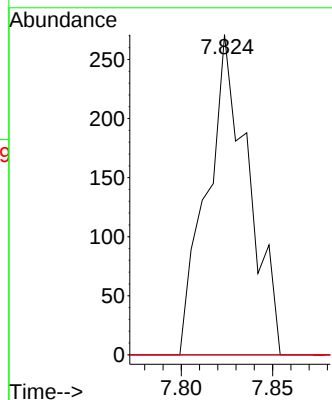
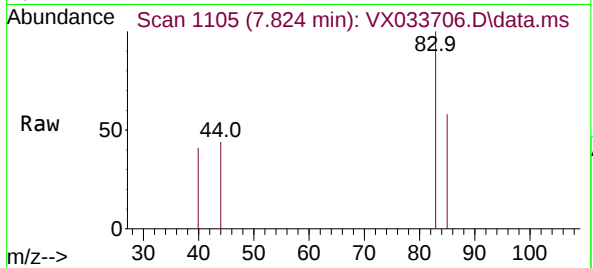




#38
Methylcyclohexane
Concen: 0.205 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.445 min
Lab File: VX033706.D
Acq: 12 Jan 2023 12:26

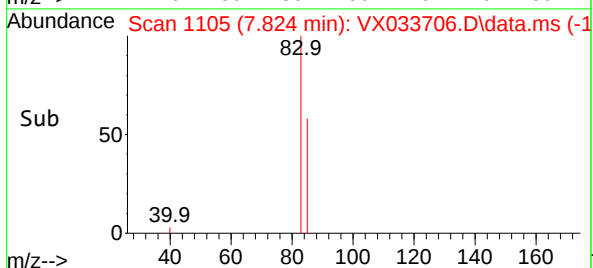
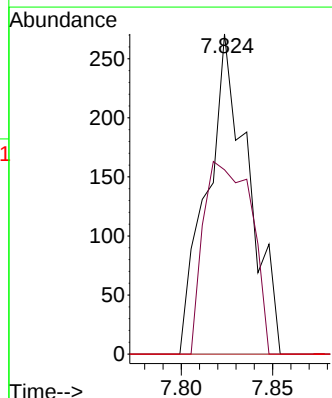
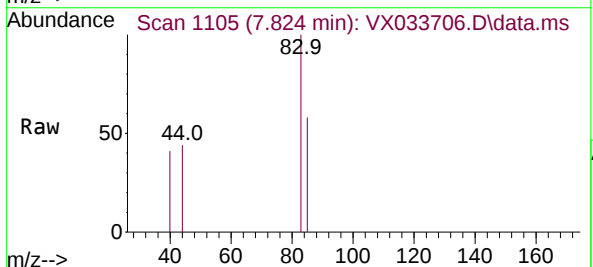
Instrument :
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ClientSampleId :
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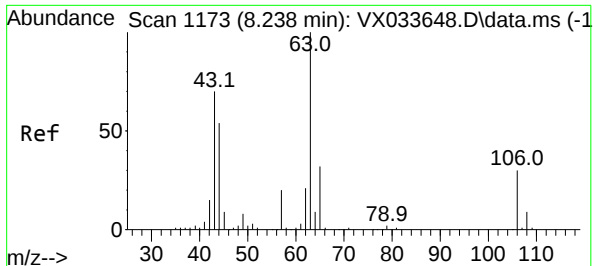
Tgt Ion: 83 Resp: 427
Ion Ratio Lower Upper
83 100
55 0.0 38.6 115.7#
98 0.0 25.3 75.8#



#41
Bromodichloromethane
Concen: 0.252 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. -0.000 min
Lab File: VX033706.D
Acq: 12 Jan 2023 12:26

Tgt Ion: 83 Resp: 427
Ion Ratio Lower Upper
83 100
85 57.6 52.0 78.0
127 0.0 7.4 11.0#

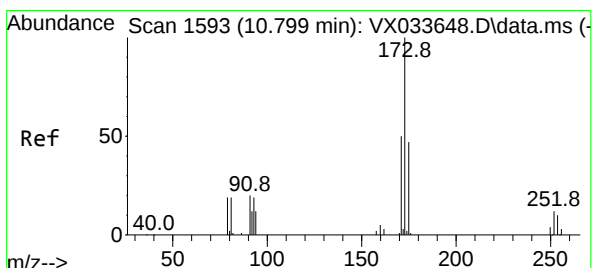
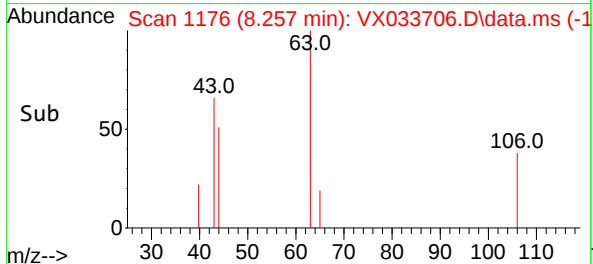
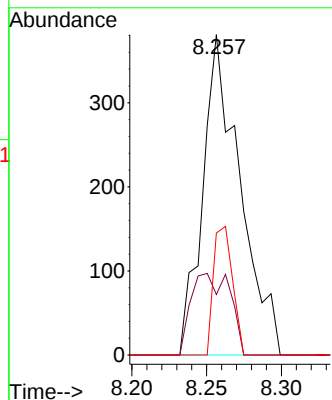
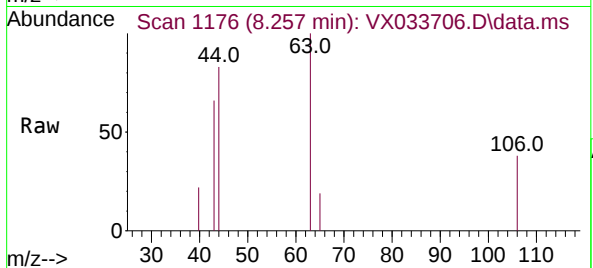




#55
2-Chloroethyl vinyl ether
Concen: 0.725 ug/l
RT: 8.257 min Scan# 1176
Delta R.T. 0.018 min
Lab File: VX033706.D
Acq: 12 Jan 2023 12:26

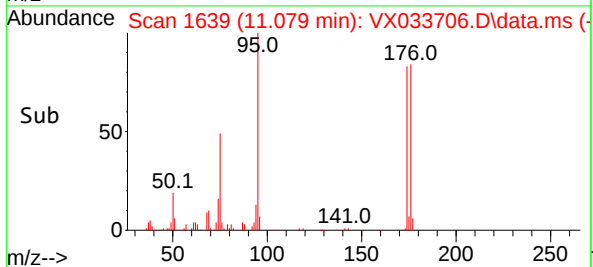
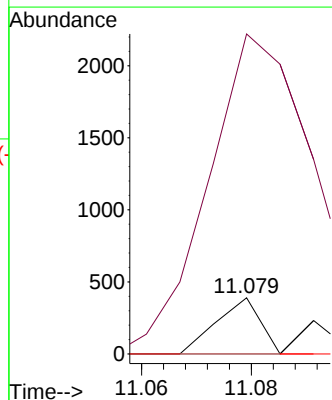
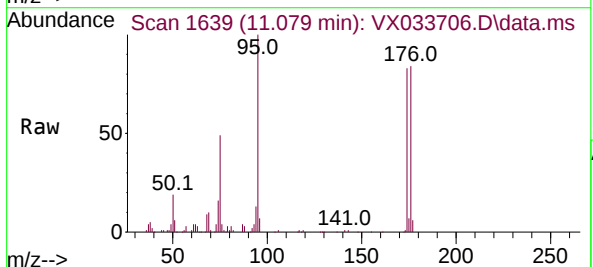
Instrument : MSVOA_X
ClientSampleId : 230111038-07-TRIP-BLANK

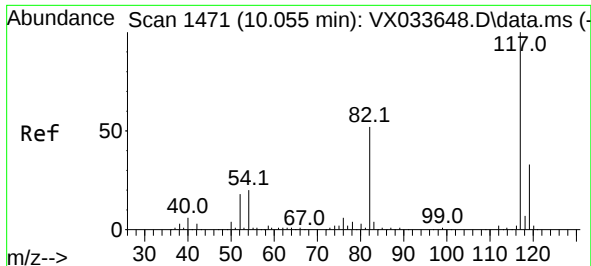
Tgt Ion: 63	Resp: 663		
Ion Ratio	Lower	Upper	
63 100			
65 17.8	26.2	39.4#	
106 20.4	24.0	36.0#	



#56
Bromoform
Concen: 0.205 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.280 min
Lab File: VX033706.D
Acq: 12 Jan 2023 12:26

Tgt	Ion:173	Resp:	218
Ion	Ratio	Lower	Upper
173	100		
175	1372.5	38.2	57.4#
254	0.0	8.6	13.0#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX033706.D

Acq: 12 Jan 2023 12:26

Instrument :

MSVOA_X

ClientSampleId :

230111038-07-TRIP-BLANK

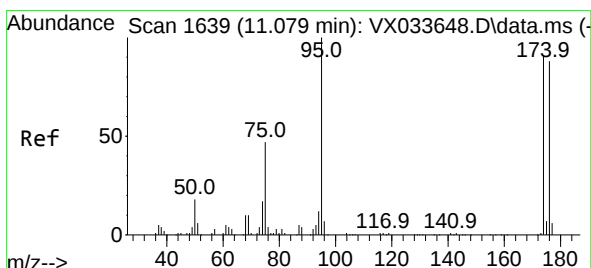
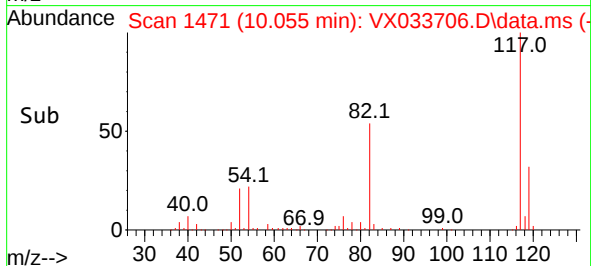
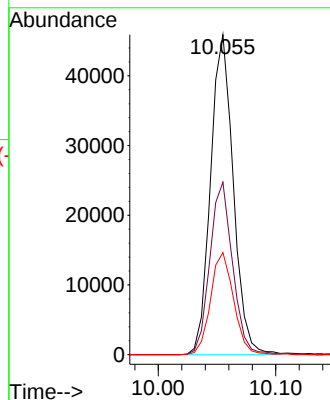
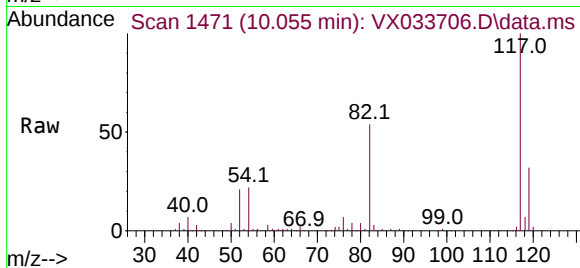
Tgt Ion:117 Resp: 61620

Ion Ratio Lower Upper

117 100

82 54.1 41.9 62.9

119 32.4 25.6 38.4



#60

4-Bromofluorobenzene

Concen: 38.528 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX033706.D

Acq: 12 Jan 2023 12:26

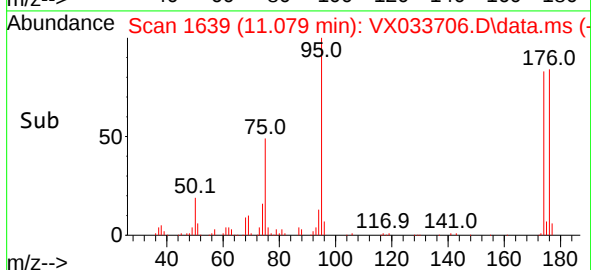
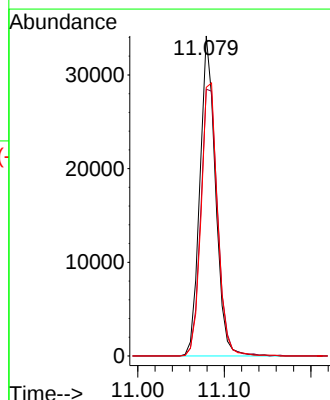
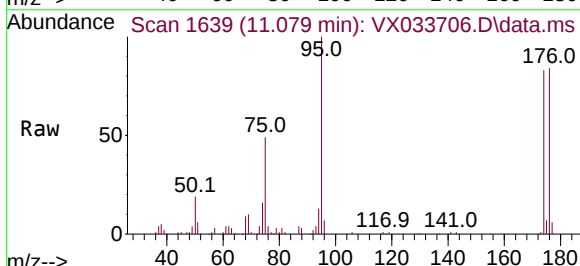
Tgt Ion: 95 Resp: 42789

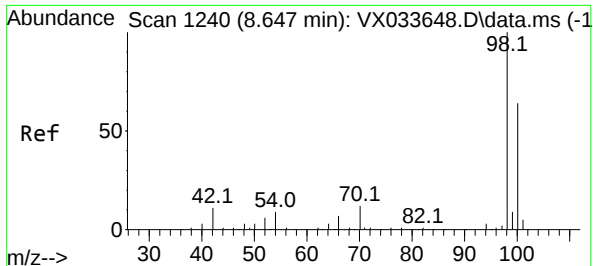
Ion Ratio Lower Upper

95 100

174 90.6 73.7 110.5

176 89.8 71.0 106.4

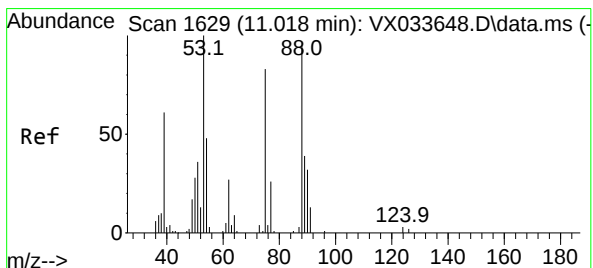
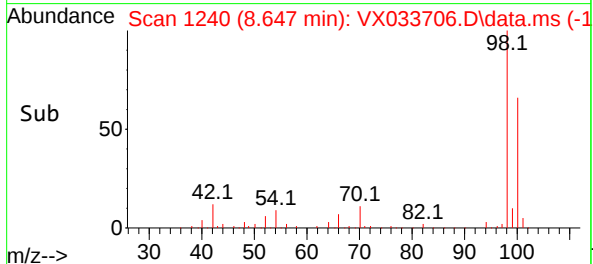
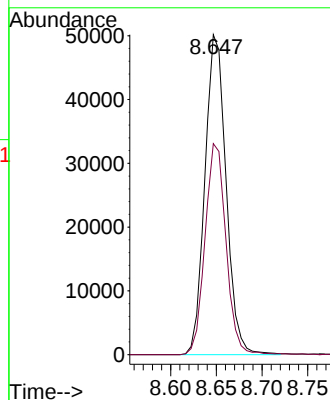
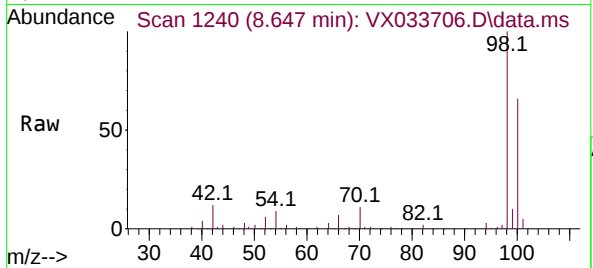




#63
Toluene-d8
Concen: 40.967 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033706.D
Acq: 12 Jan 2023 12:26

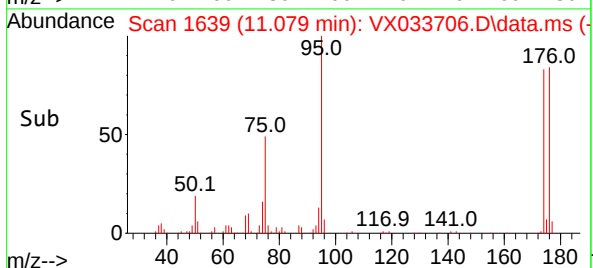
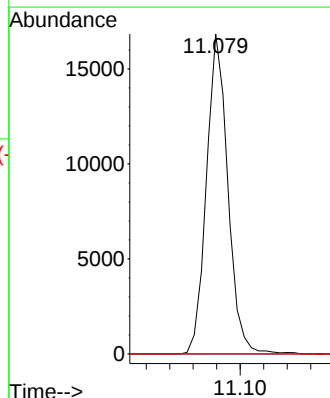
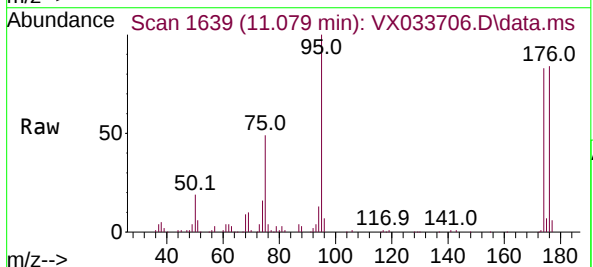
Instrument :
MSVOA_X
ClientSampleId :
230111038-07-TRIP-BLANK

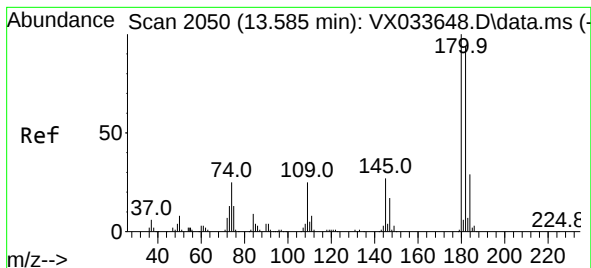
Tgt Ion: 98 Resp: 80790
Ion Ratio Lower Upper
98 100
100 65.2 53.1 79.7



#77
t-1,4-Dichloro-2-butene
Concen: 59.904 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033706.D
Acq: 12 Jan 2023 12:26

Tgt Ion: 75 Resp: 21245
Ion Ratio Lower Upper
75 100
53 0.0 60.2 180.6#
89 0.0 23.2 69.6#





#89

1,2,4-Trichlorobenzene

Concen: 0.313 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX033706.D

Acq: 12 Jan 2023 12:26

Instrument :

MSVOA_X

ClientSampleId :

230111038-07-TRIP-BLANK

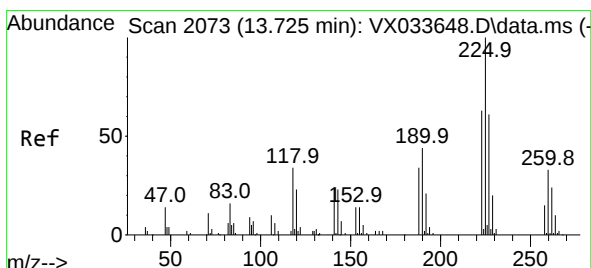
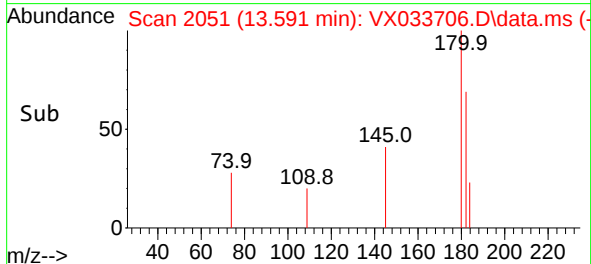
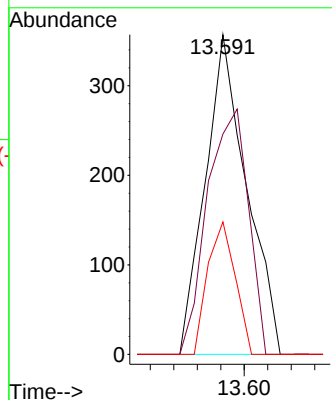
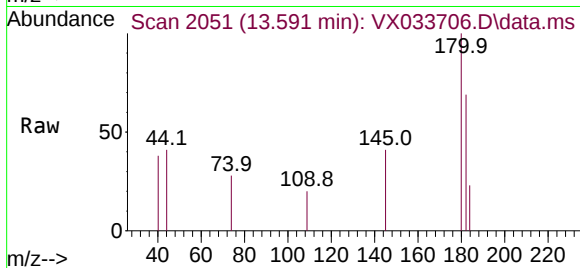
Tgt Ion:180 Resp: 435

Ion Ratio Lower Upper

180 100

182 76.3 76.7 115.1#

145 27.6 21.8 32.6



#90

Hexachlorobutadiene

Concen: 0.400 ug/l

RT: 13.719 min Scan# 2072

Delta R.T. -0.006 min

Lab File: VX033706.D

Acq: 12 Jan 2023 12:26

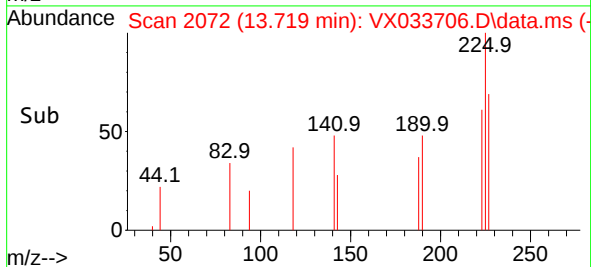
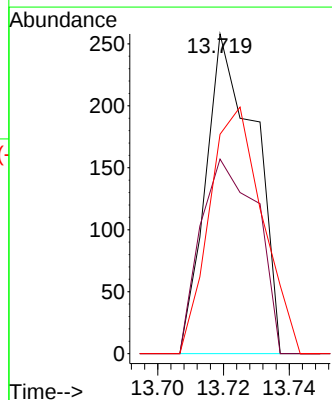
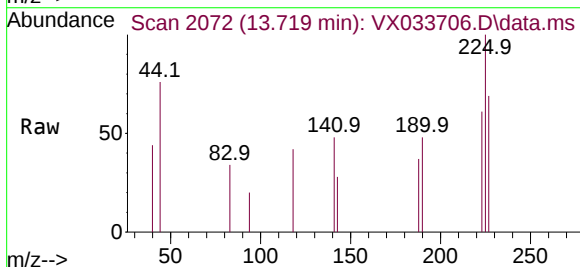
Tgt Ion:225 Resp: 267

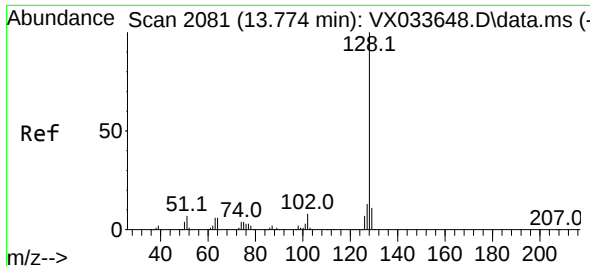
Ion Ratio Lower Upper

225 100

223 70.0 0.0 127.0

227 83.5 0.0 123.0

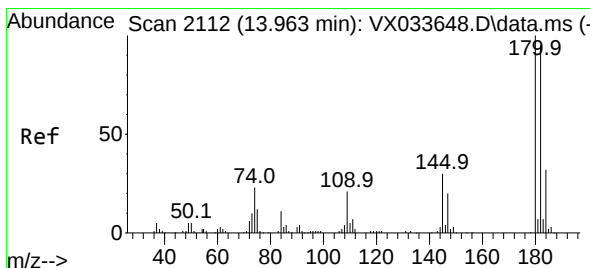
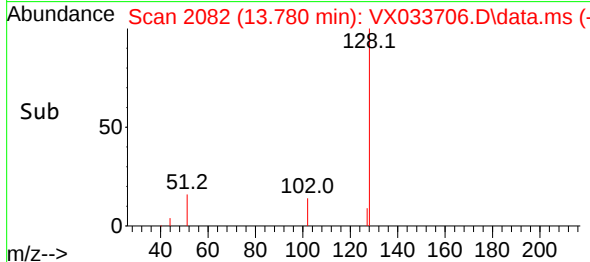
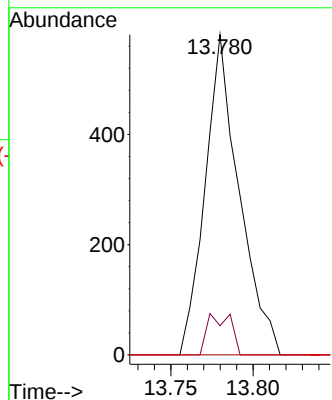
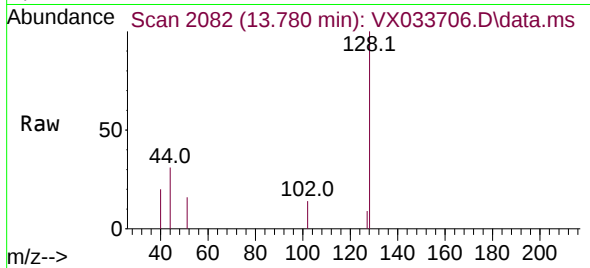




#91
Naphthalene
Concen: 0.205 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX033706.D
Acq: 12 Jan 2023 12:26

Instrument :
MSVOA_X
ClientSampleId :
230111038-07-TRIP-BLANK

Tgt Ion:128 Resp: 838
Ion Ratio Lower Upper
128 100
127 8.8 10.4 15.6#
129 0.0 8.8 13.2#



#92
1,2,3-Trichlorobenzene
Concen: 0.244 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX033706.D
Acq: 12 Jan 2023 12:26

Tgt Ion:180 Resp: 340
Ion Ratio Lower Upper
180 100
182 116.2 0.0 191.2
145 35.3 0.0 60.4

