

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093022\
 Data File : VX031816.D
 Acq On : 30 Sep 2022 17:07
 Operator : JC/MD
 Sample : N4887-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 220928017-05-TRIP-BLANK

Quant Time: Oct 03 01:13:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X093022W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Oct 03 00:56:55 2022
 Response via : Initial Calibration

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

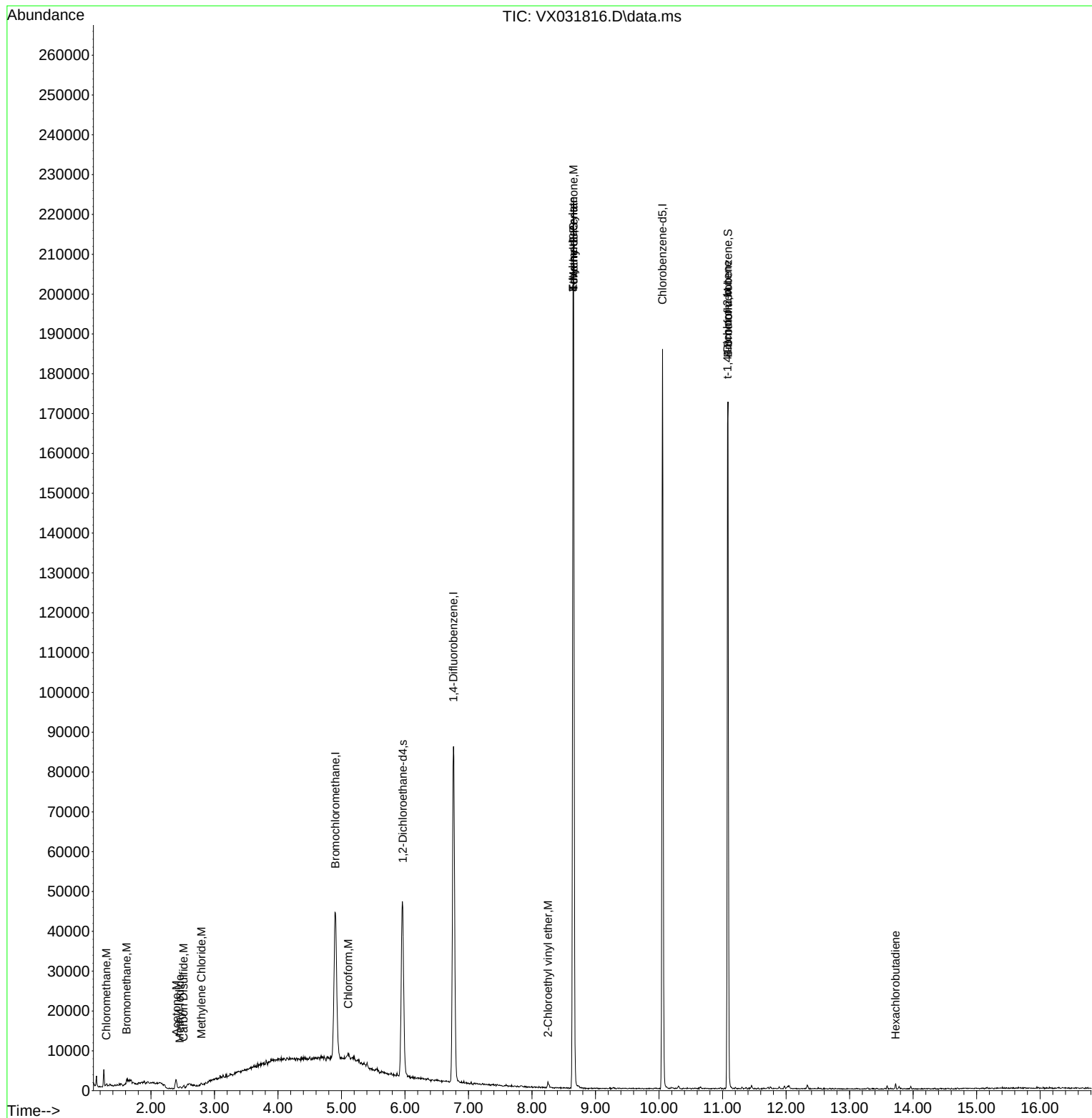
Internal Standards						
1) Bromochloromethane	4.903	128	16625	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	94728	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	87436	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	42885	34.273	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 114.233%#	
60) 4-Bromofluorobenzene	11.085	95	46397	28.671	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 95.567%	
63) Toluene-d8	8.652	98	137027	30.849	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 102.833%	
Target Compounds						
						Qvalue
3) Chloromethane	1.294	50	212	0.292	ug/l	93
5) Bromomethane	1.617	94	518	0.581	ug/l	80
11) Methyl Iodide	2.452	142	296	0.296	ug/l #	81
15) Acetone	2.397	58	825	6.880	ug/l #	44
16) Carbon Disulfide	2.513	76	743	0.371	ug/l #	74
18) Methylene Chloride	2.794	84	220	0.211	ug/l #	62
25) Chloroform	5.104	83	1258	0.619	ug/l #	72
51) Ethyl methacrylate	8.646	69	402	0.246	ug/l #	34
55) 2-Chloroethyl vinyl ether	8.250	63	544	0.680	ug/l	97
56) Bromoform	11.085	173	439	0.427	ug/l #	1
58) 4-Methyl-2-Pentanone	8.652	43	470	0.400	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	23540	54.862	ug/l #	8
90) Hexachlorobutadiene	13.725	225	243	0.308	ug/l	94

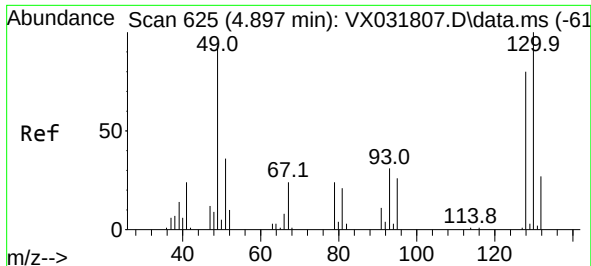
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093022\
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220928017-05-TRIP-BLANK

Quant Time: Oct 03 01:13:56 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X093022W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Oct 03 00:56:55 2022
Response via : Initial Calibration

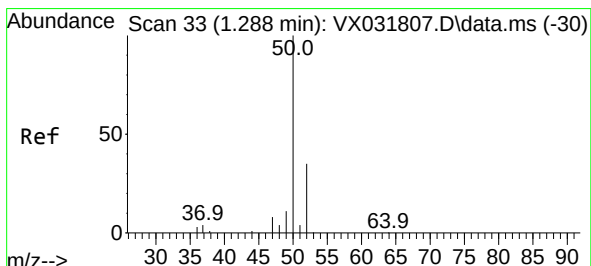
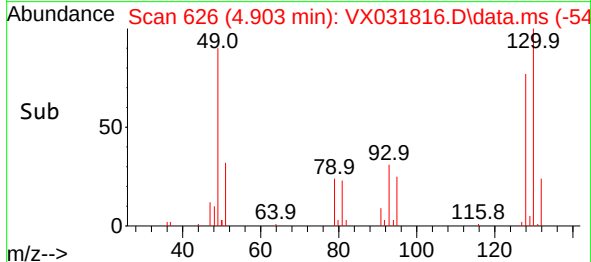
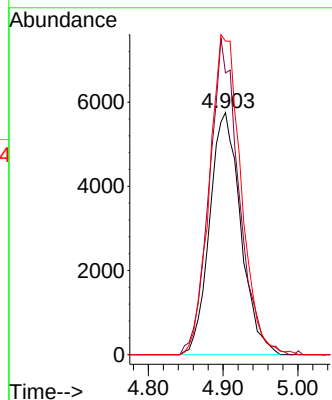
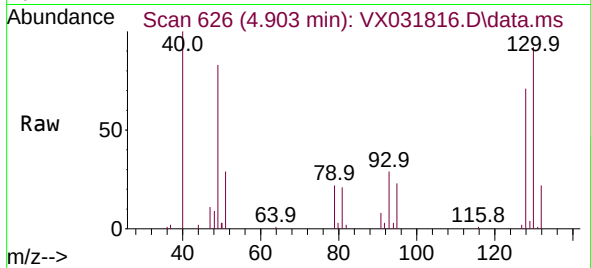




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX031816.D
Acq: 30 Sep 2022 17:07

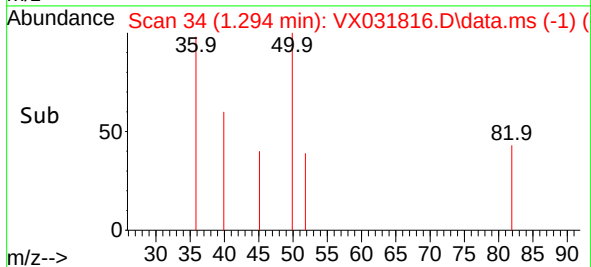
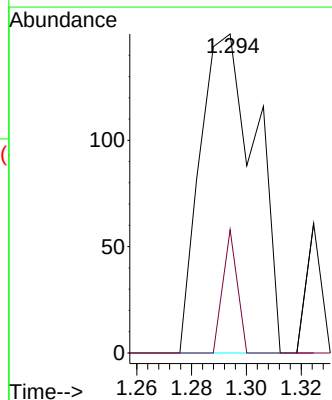
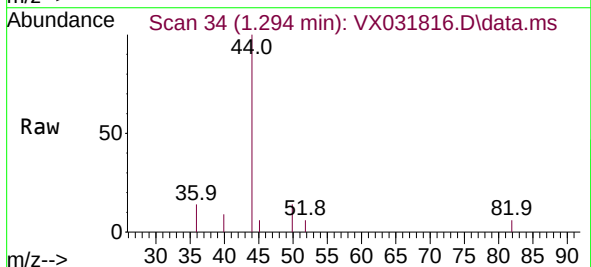
Instrument :
MSVOA_X
ClientSampleId :
220928017-05-TRIP-BLANK

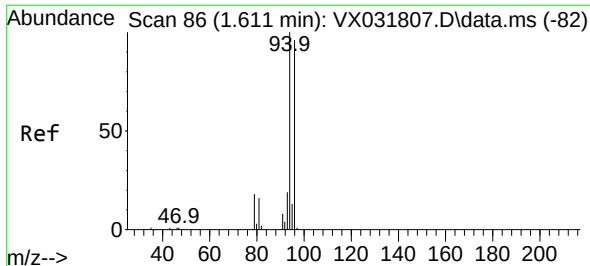
Tgt Ion:128 Resp: 16625
Ion Ratio Lower Upper
128 100
49 124.5 0.0 293.0
130 134.1 0.0 321.5



#3
Chloromethane
Concen: 0.292 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX031816.D
Acq: 30 Sep 2022 17:07

Tgt Ion: 50 Resp: 212
Ion Ratio Lower Upper
50 100
52 38.7 27.6 41.4

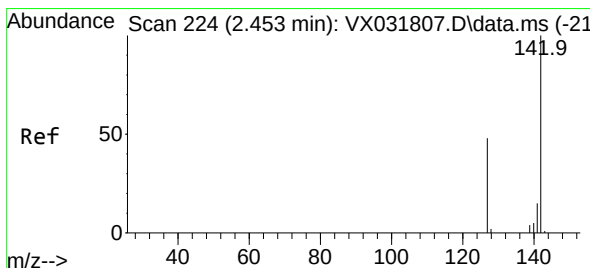
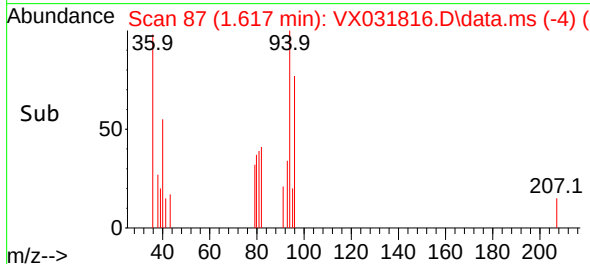
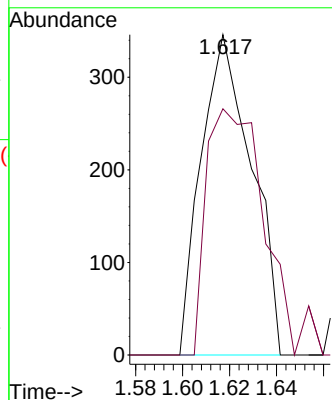
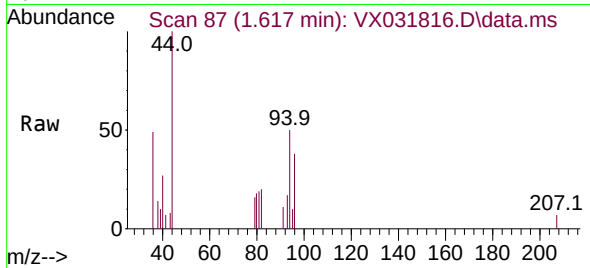




#5
Bromomethane
Concen: 0.581 ug/l
RT: 1.617 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX031816.D
Acq: 30 Sep 2022 17:07

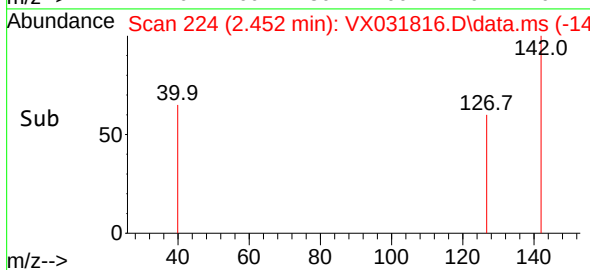
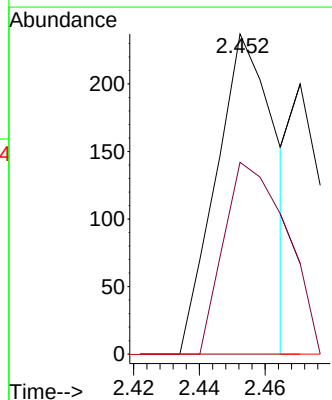
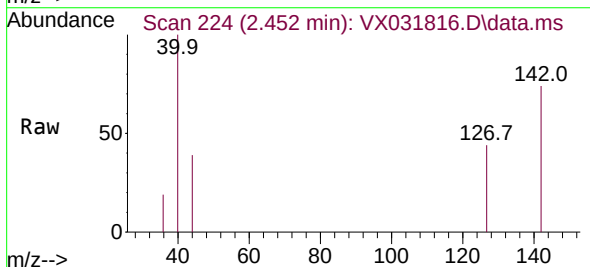
Instrument :
MSVOA_X
ClientSampleId :
220928017-05-TRIP-BLANK

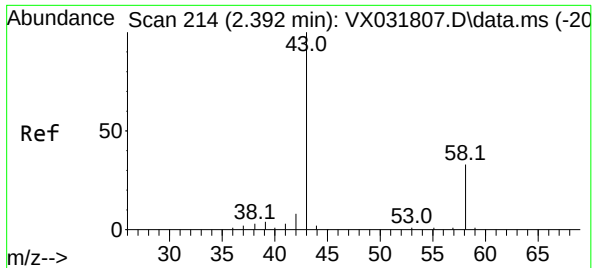
Tgt Ion: 94 Resp: 518
Ion Ratio Lower Upper
94 100
96 76.9 76.8 115.2



#11
Methyl Iodide
Concen: 0.296 ug/l
RT: 2.452 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX031816.D
Acq: 30 Sep 2022 17:07

Tgt Ion:142 Resp: 296
Ion Ratio Lower Upper
142 100
127 56.1 23.8 71.2
141 0.0 7.6 22.8#

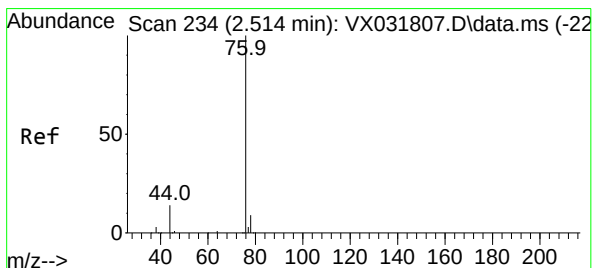
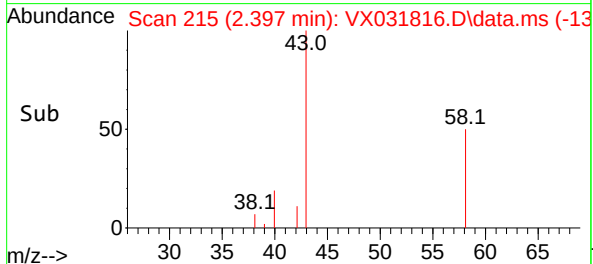
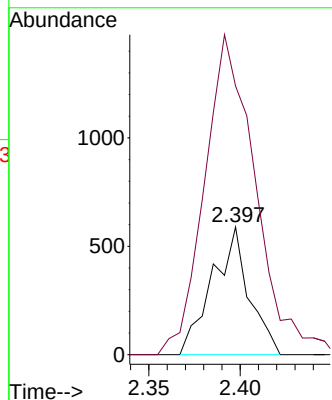
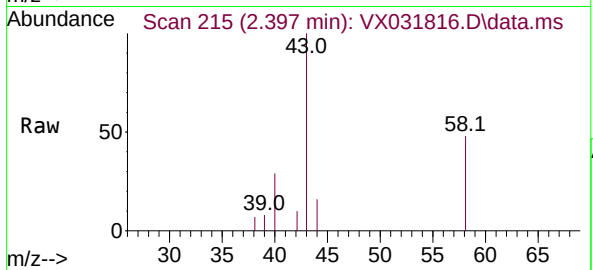




#15
Acetone
Concen: 6.880 ug/l
RT: 2.397 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX031816.D
Acq: 30 Sep 2022 17:07

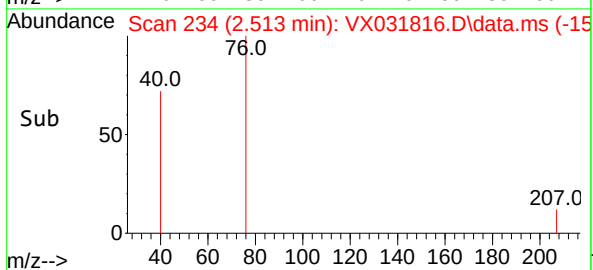
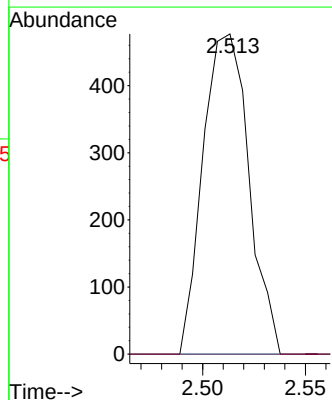
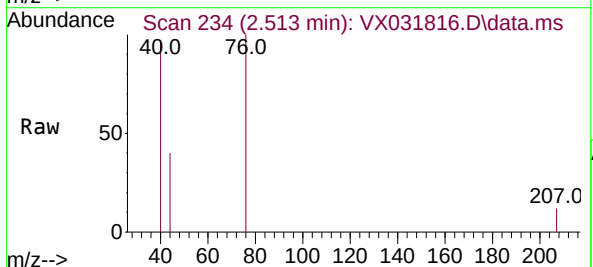
Instrument : MSVOA_X
ClientSampleId : 220928017-05-TRIP-BLANK

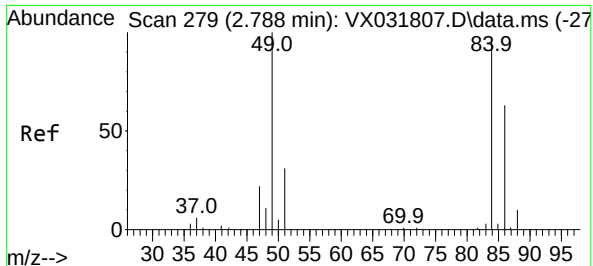
Tgt Ion: 58 Resp: 825
Ion Ratio Lower Upper
58 100
43 193.0 242.6 364.0#



#16
Carbon Disulfide
Concen: 0.371 ug/l
RT: 2.513 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX031816.D
Acq: 30 Sep 2022 17:07

Tgt Ion: 76 Resp: 743
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#





#18

Methylene Chloride

Concen: 0.211 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX031816.D

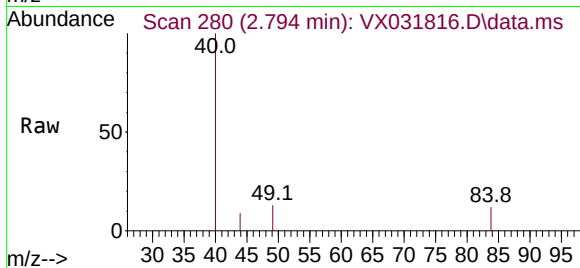
Acq: 30 Sep 2022 17:07

Instrument :

MSVOA_X

ClientSampleId :

220928017-05-TRIP-BLANK



Tgt Ion: 84 Resp: 220

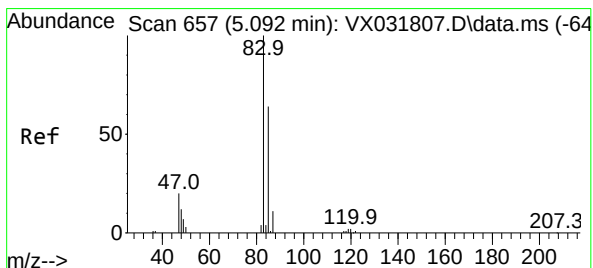
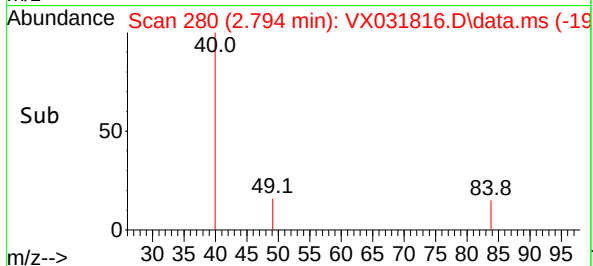
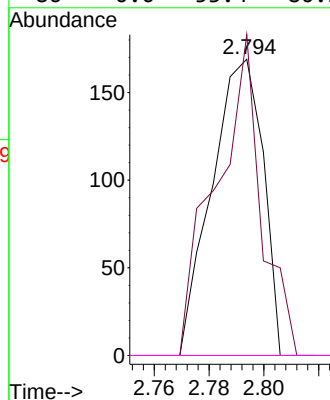
Ion Ratio Lower Upper

84 100

49 108.3 84.6 127.0

51 0.0 26.5 39.7#

86 0.0 53.4 80.2#



#25

Chloroform

Concen: 0.619 ug/l

RT: 5.104 min Scan# 659

Delta R.T. 0.012 min

Lab File: VX031816.D

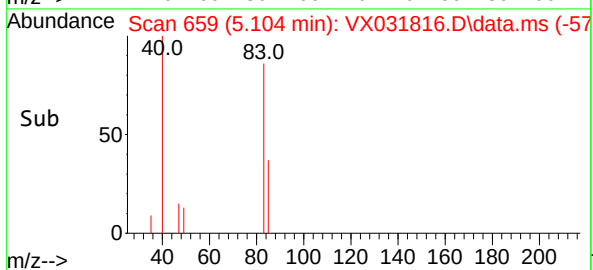
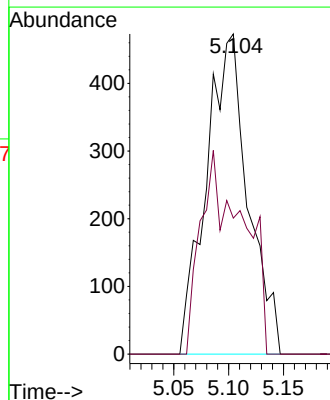
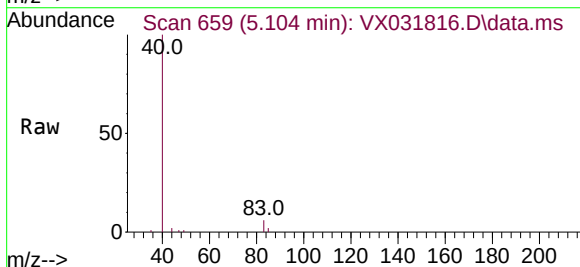
Acq: 30 Sep 2022 17:07

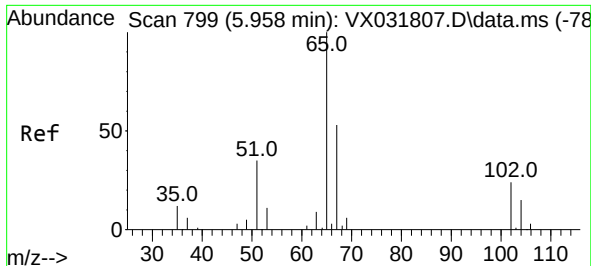
Tgt Ion: 83 Resp: 1258

Ion Ratio Lower Upper

83 100

85 42.5 51.4 77.0#





#27

1,2-Dichloroethane-d4

Concen: 34.273 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX031816.D

Acq: 30 Sep 2022 17:07

Instrument :

MSVOA_X

ClientSampleId :

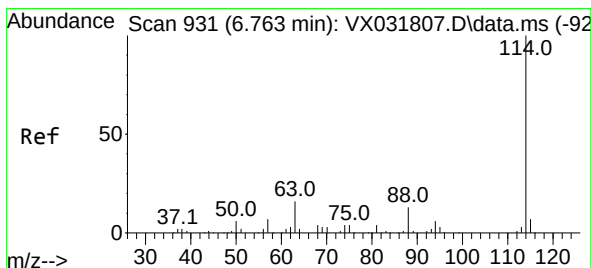
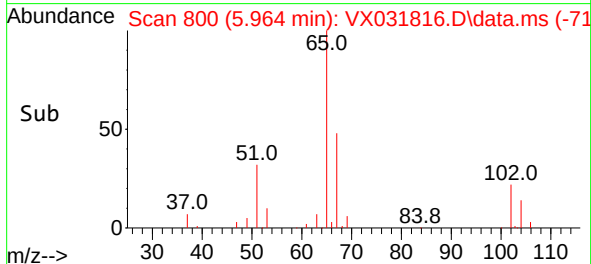
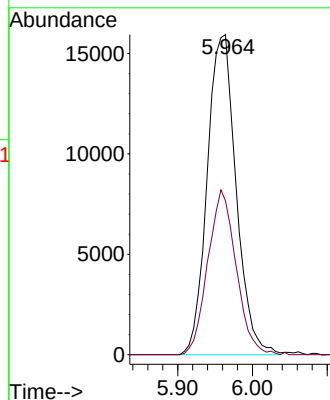
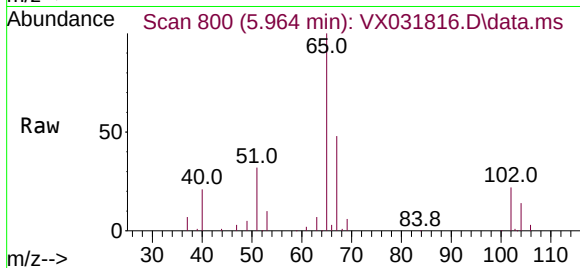
220928017-05-TRIP-BLANK

Tgt Ion: 65 Resp: 42885

Ion Ratio Lower Upper

65 100

67 50.3 41.8 62.6



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX031816.D

Acq: 30 Sep 2022 17:07

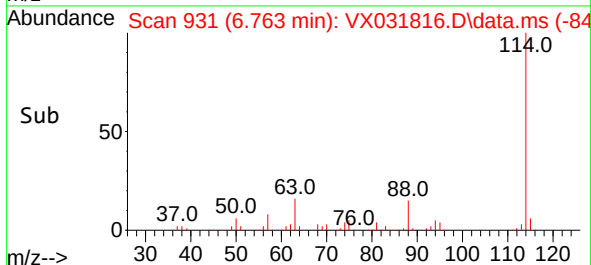
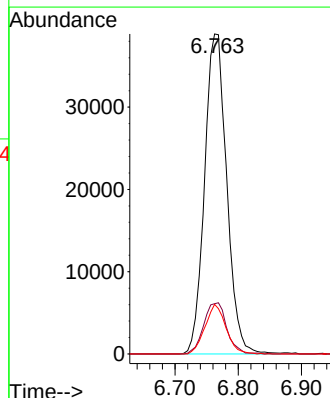
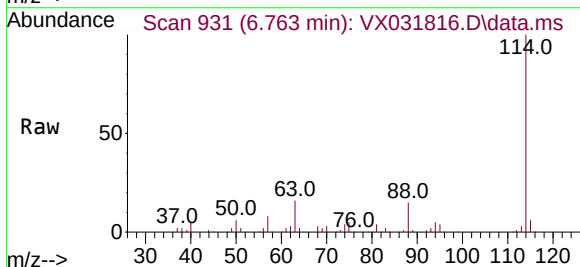
Tgt Ion: 114 Resp: 94728

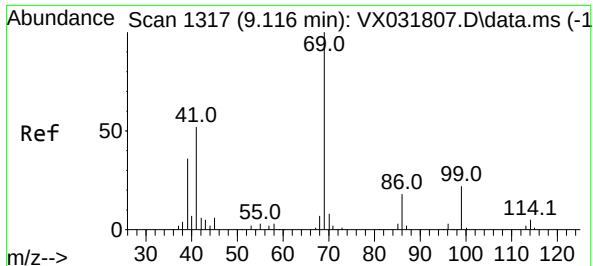
Ion Ratio Lower Upper

114 100

63 16.5 13.6 20.4

88 14.6 11.8 17.6

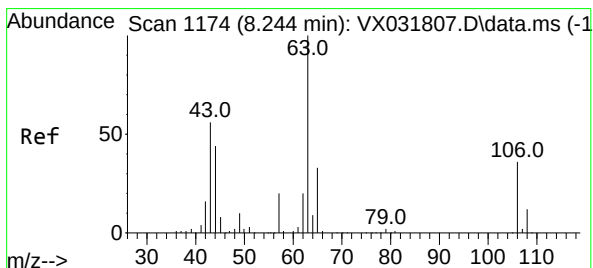
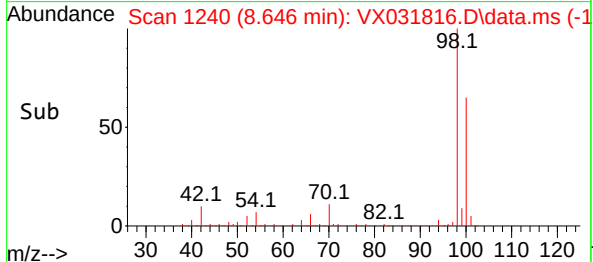
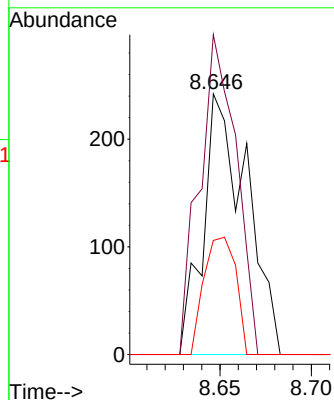
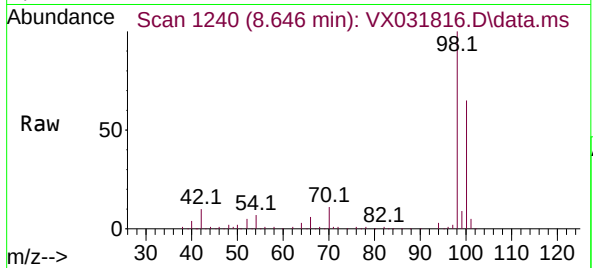




#51
Ethyl methacrylate
Concen: 0.246 ug/l
RT: 8.646 min Scan# 1175
Delta R.T. -0.470 min
Lab File: VX031816.D
Acq: 30 Sep 2022 17:07

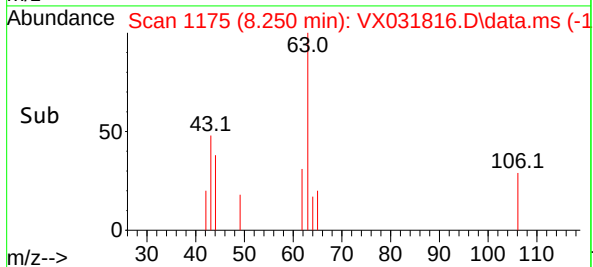
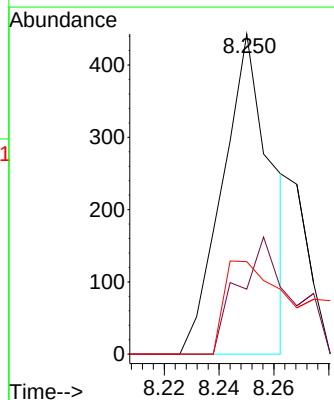
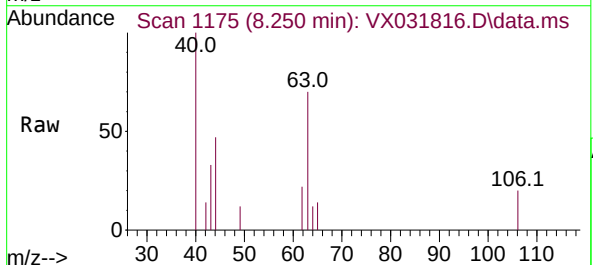
Instrument :
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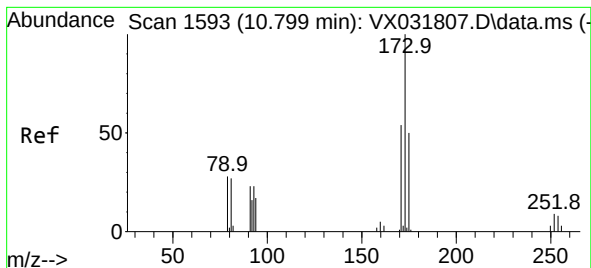
Tgt Ion: 69 Resp: 402
Ion Ratio Lower Upper
69 100
41 122.7 25.9 77.7#
39 43.8 17.8 53.3



#55
2-Chloroethyl vinyl ether
Concen: 0.680 ug/l
RT: 8.250 min Scan# 1175
Delta R.T. 0.006 min
Lab File: VX031816.D
Acq: 30 Sep 2022 17:07

Tgt Ion: 63 Resp: 544
Ion Ratio Lower Upper
63 100
65 34.4 25.5 38.3
106 34.6 28.9 43.3





#56

Bromoform

Concen: 0.427 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.286 min

Lab File: VX031816.D

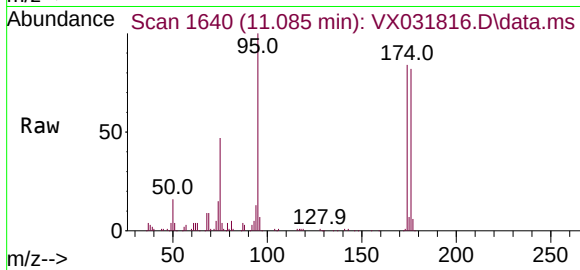
Acq: 30 Sep 2022 17:07

Instrument :

MSVOA_X

ClientSampleId :

220928017-05-TRIP-BLANK



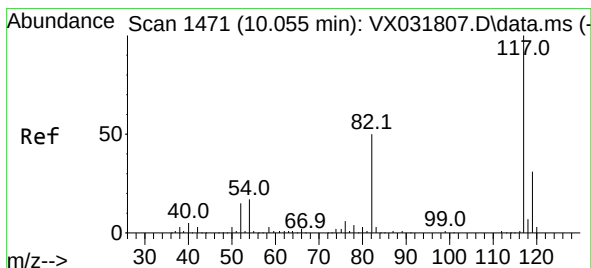
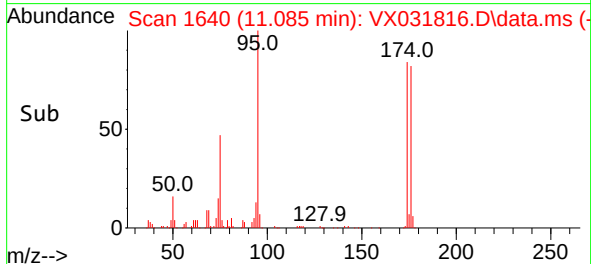
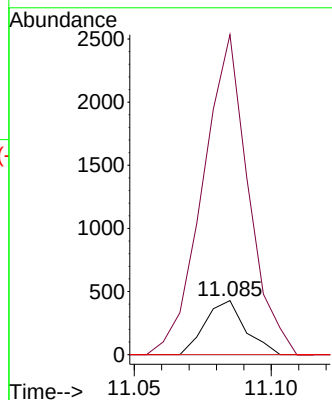
Tgt Ion:173 Resp: 439

Ion Ratio Lower Upper

173 100

175 669.7 38.6 58.0#

254 0.0 6.8 10.2#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX031816.D

Acq: 30 Sep 2022 17:07

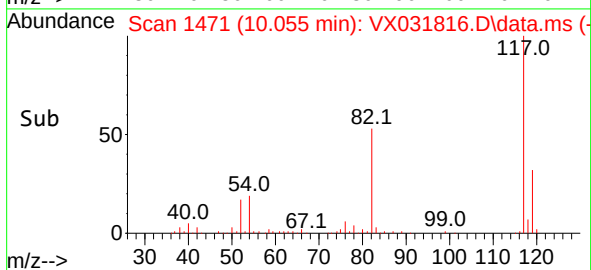
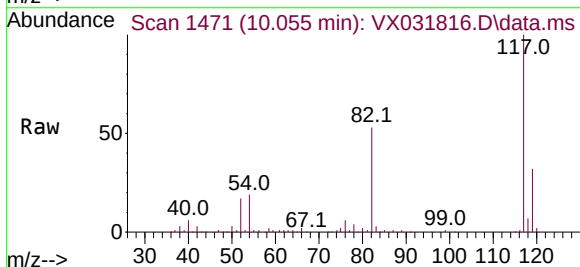
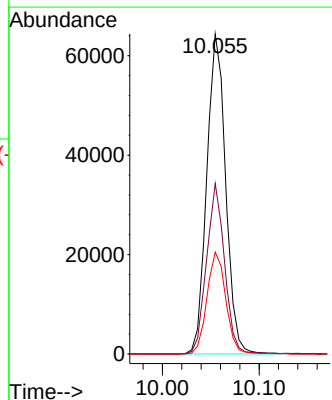
Tgt Ion:117 Resp: 87436

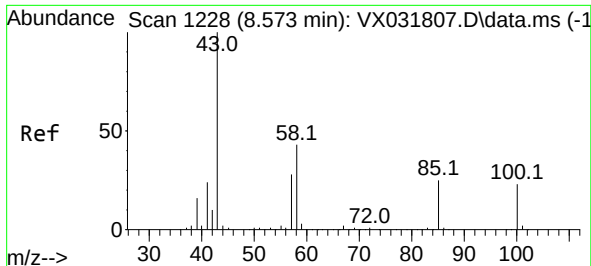
Ion Ratio Lower Upper

117 100

82 50.9 40.0 60.0

119 31.7 26.0 39.0





#58

4-Methyl-2-Pentanone

Concen: 0.400 ug/l

RT: 8.652 min Scan# 11

Delta R.T. 0.079 min

Lab File: VX031816.D

Acq: 30 Sep 2022 17:07

Instrument :

MSVOA_X

ClientSampleId :

220928017-05-TRIP-BLANK

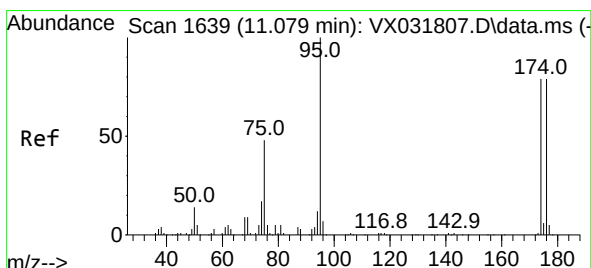
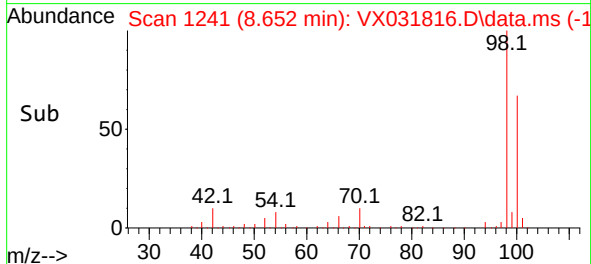
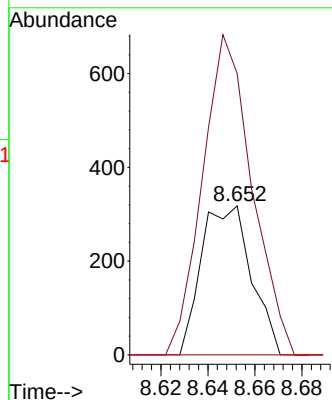
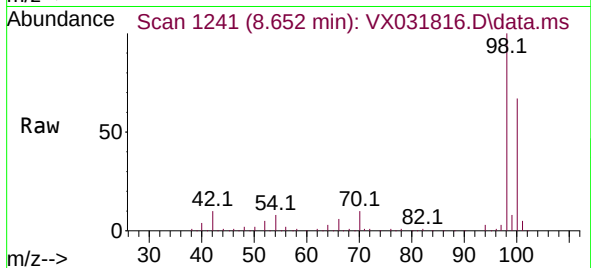
Tgt Ion: 43 Resp: 470

Ion Ratio Lower Upper

43 100

58 213.0 34.9 52.3#

85 0.0 19.4 29.2#



#60

4-Bromofluorobenzene

Concen: 28.671 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.006 min

Lab File: VX031816.D

Acq: 30 Sep 2022 17:07

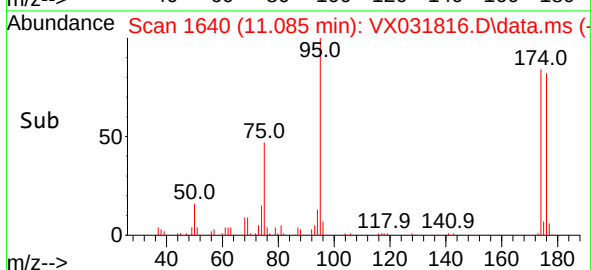
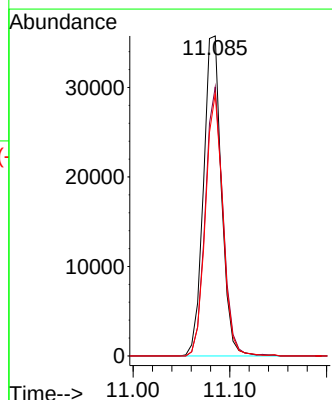
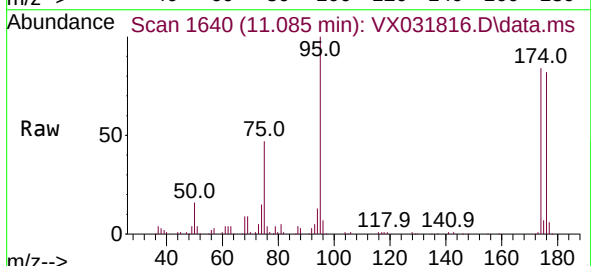
Tgt Ion: 95 Resp: 46397

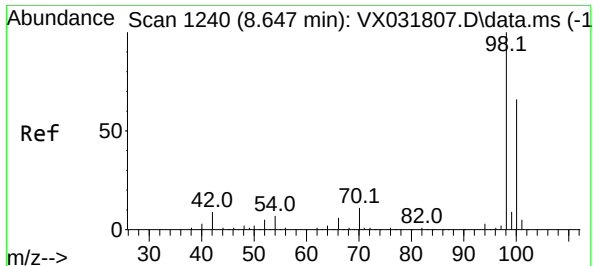
Ion Ratio Lower Upper

95 100

174 82.2 68.2 102.2

176 79.5 68.1 102.1

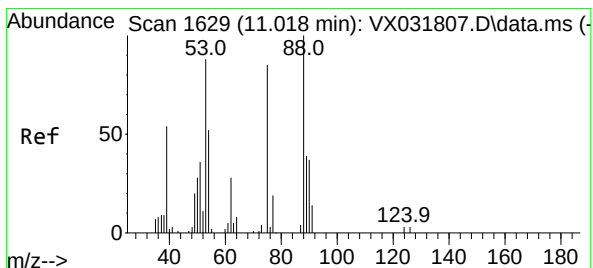
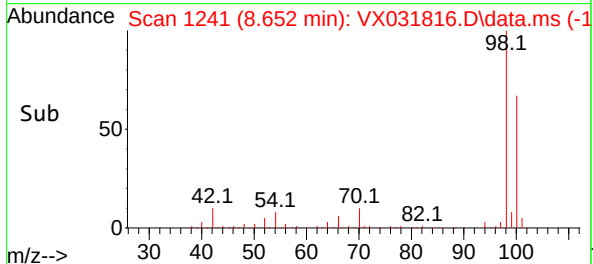
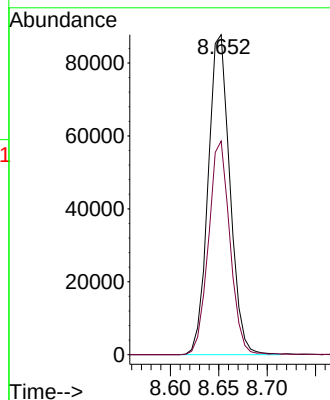
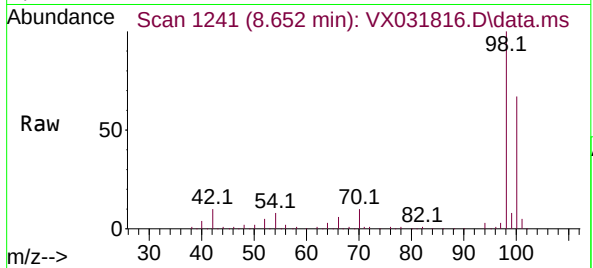




#63
Toluene-d8
Concen: 30.849 ug/l
RT: 8.652 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX031816.D
Acq: 30 Sep 2022 17:07

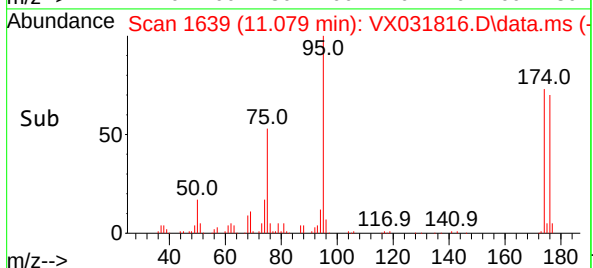
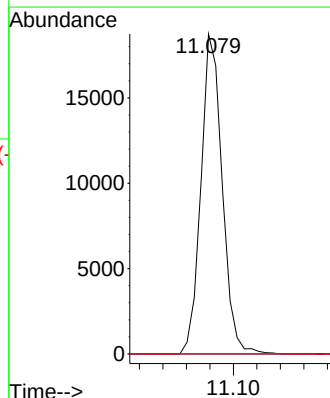
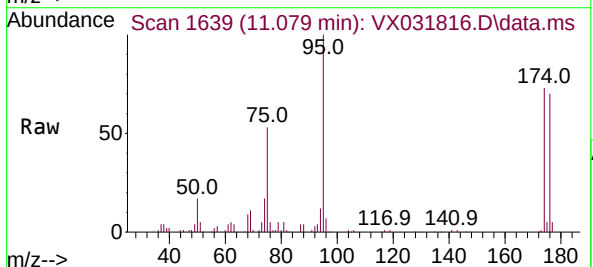
Instrument :
MSVOA_X
ClientSampleId :
220928017-05-TRIP-BLANK

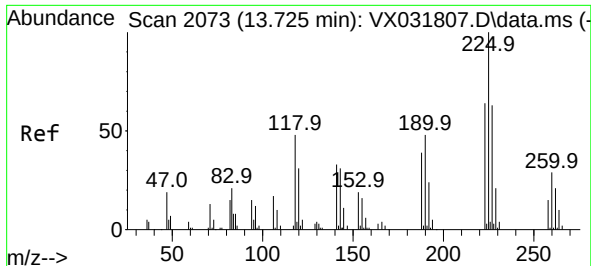
Tgt Ion: 98 Resp: 137027
Ion Ratio Lower Upper
98 100
100 65.6 53.8 80.8



#77
t-1,4-Dichloro-2-butene
Concen: 54.862 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031816.D
Acq: 30 Sep 2022 17:07

Tgt Ion: 75 Resp: 23540
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.4#
89 0.0 22.9 68.8#





#90

Hexachlorobutadiene

Concen: 0.308 ug/l

RT: 13.725 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX031816.D

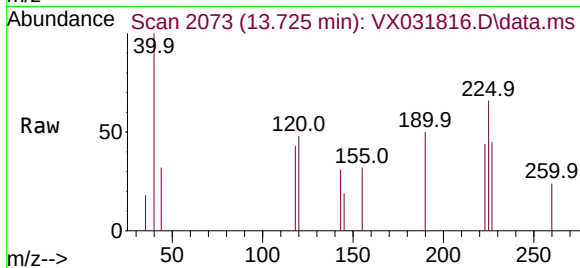
Acq: 30 Sep 2022 17:07

Instrument :

MSVOA_X

ClientSampleId :

220928017-05-TRIP-BLANK



Tgt Ion:	225	Resp:	243
Ion	Ratio	Lower	Upper
225	100		
223	63.8	0.0	126.0
227	55.1	0.0	127.6

