

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092823\
 Data File : VX037942.D
 Acq On : 28 Sep 2023 11:20
 Operator : JC/MD
 Sample : VX0928WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 29 04:23:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X092723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Sep 28 06:08:32 2023
 Response via : Initial Calibration

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

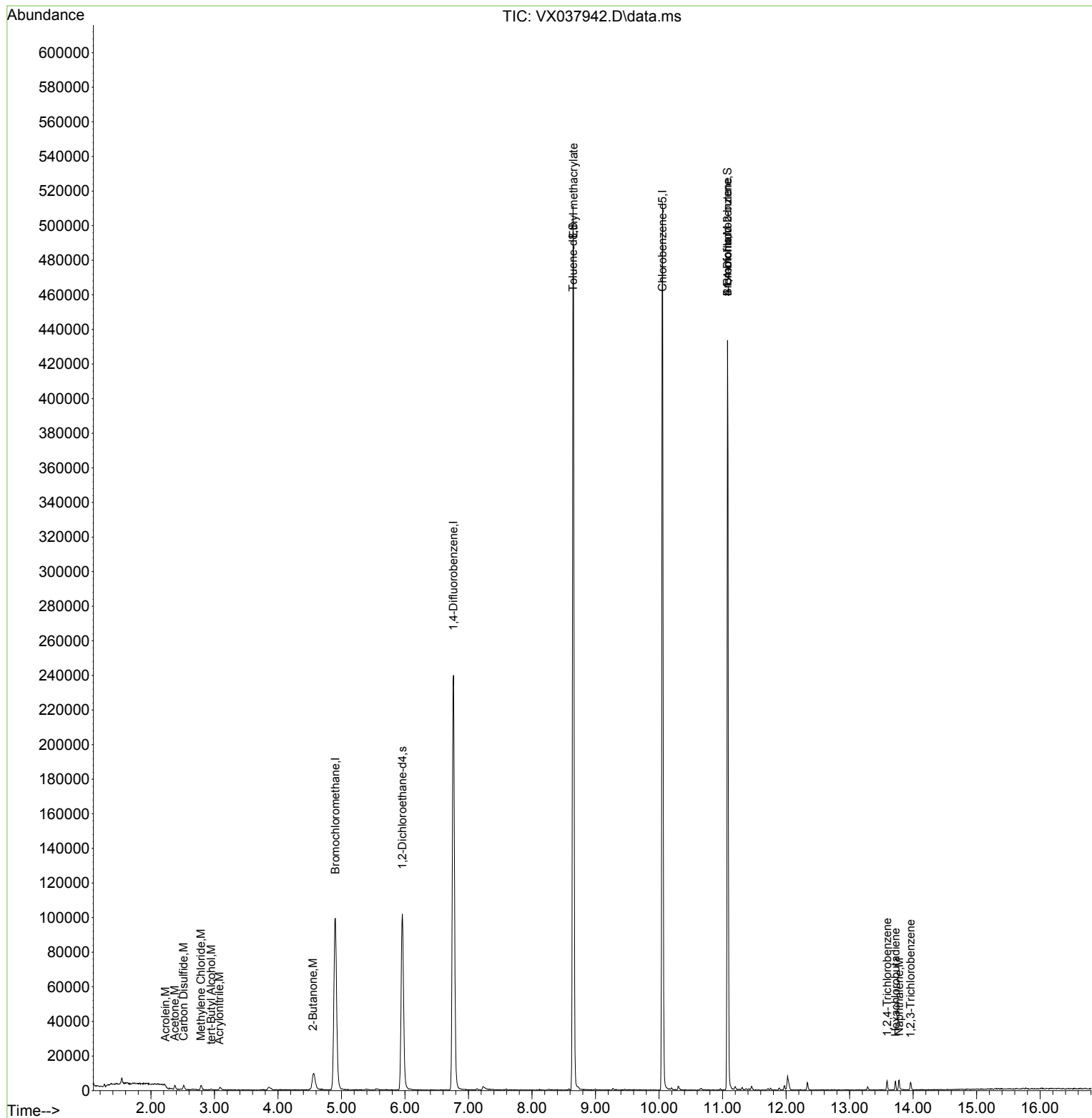
Internal Standards						
1) Bromochloromethane	4.904	128	45098	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	257590	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	240505	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	98465	30.289	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.967%
60) 4-Bromofluorobenzene	11.079	95	111341	28.399	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	94.667%
63) Toluene-d8	8.647	98	311003	29.955	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.867%
Target Compounds						
					Qvalue	
13) Acrolein	2.227	56	412	0.752	ug/l	88
14) Acrylonitrile	3.075	53	456	0.348	ug/l #	56
15) Acetone	2.374	58	763	2.013	ug/l #	58
16) Carbon Disulfide	2.514	76	2556	0.449	ug/l	95
18) Methylene Chloride	2.788	84	1242	0.444	ug/l #	76
23) tert-Butyl Alcohol	2.947	59	208	0.380	ug/l #	1
30) 2-Butanone	4.550	43	358	0.200	ug/l #	55
51) Ethyl methacrylate	8.653	69	1015	0.230	ug/l	69
56) Bromoform	11.079	173	841	0.362	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	56595	44.298	ug/l #	7
89) 1,2,4-Trichlorobenzene	13.591	180	1530	0.334	ug/l	96
90) Hexachlorobutadiene	13.725	225	767	0.381	ug/l	96
91) Naphthalene	13.780	128	4314	0.311	ug/l	98
92) 1,2,3-Trichlorobenzene	13.963	180	1510	0.339	ug/l	97

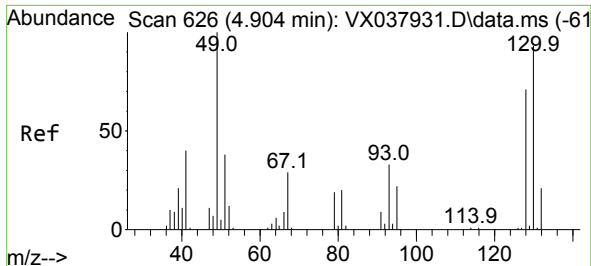
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092823\
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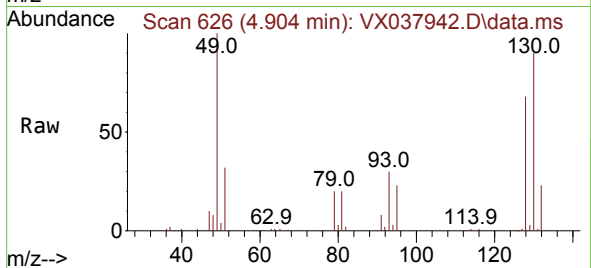
Quant Time: Sep 29 04:23:45 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X092723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Sep 28 06:08:32 2023
Response via : Initial Calibration



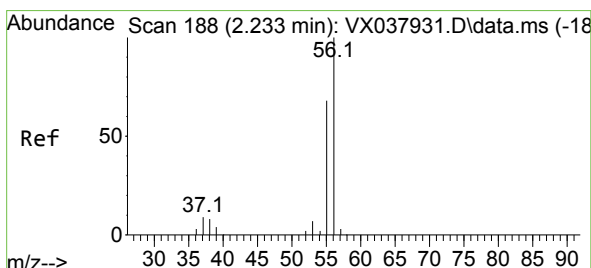
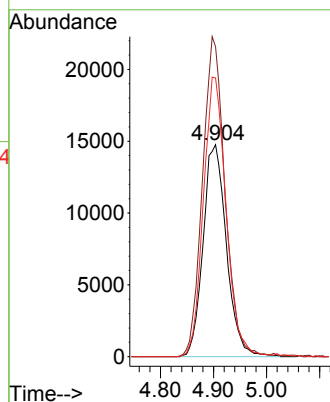
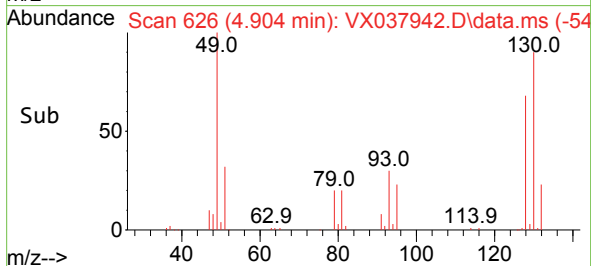


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX037942.D
Acq: 28 Sep 2023 11:20

Instrument :
MSVOA_X
ClientSampleId :

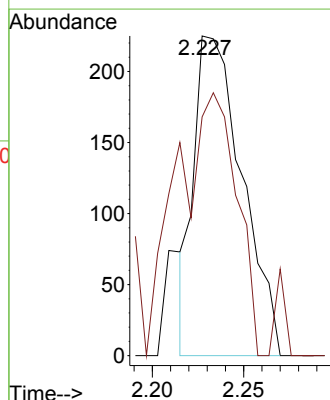
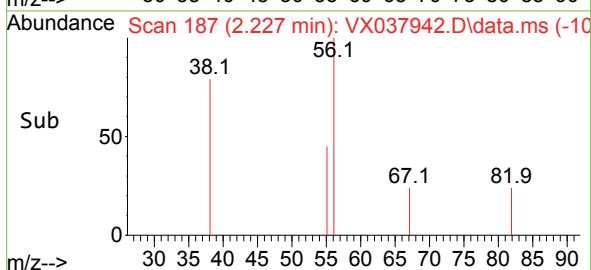
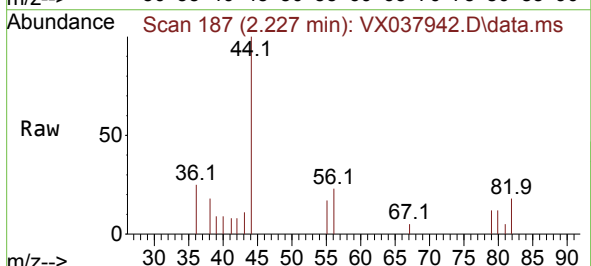


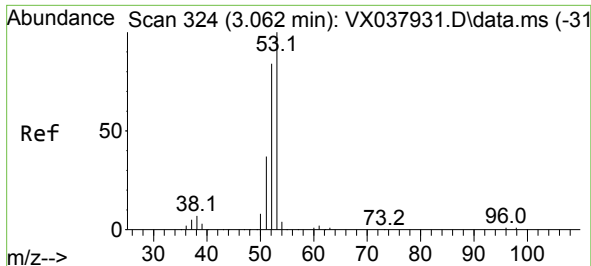
Tgt Ion:128 Resp: 45098
Ion Ratio Lower Upper
128 100
49 145.7 0.0 406.3
130 128.6 0.0 328.0



#13
Acrolein
Concen: 0.752 ug/l
RT: 2.227 min Scan# 187
Delta R.T. -0.006 min
Lab File: VX037942.D
Acq: 28 Sep 2023 11:20

Tgt Ion: 56 Resp: 412
Ion Ratio Lower Upper
56 100
55 64.3 59.7 89.5

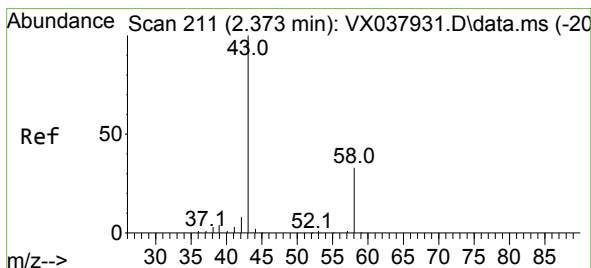
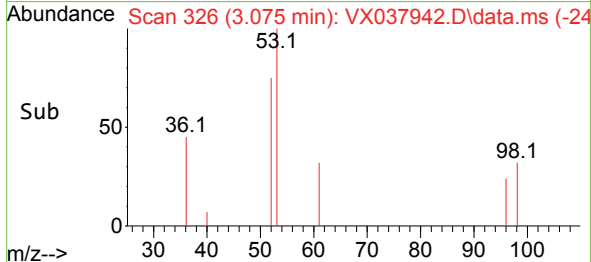
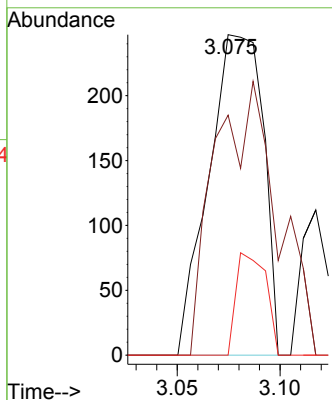
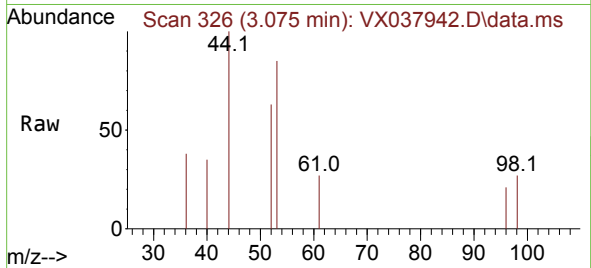




#14
Acrylonitrile
Concen: 0.348 ug/l
RT: 3.075 min Scan# 31
Delta R.T. 0.012 min
Lab File: VX037942.D
Acq: 28 Sep 2023 11:20

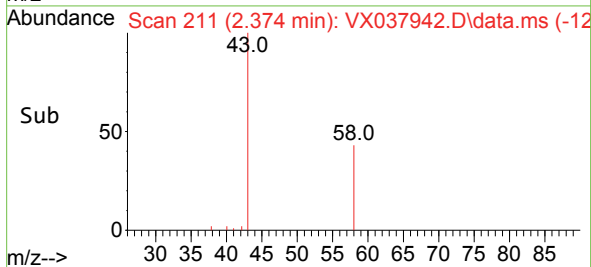
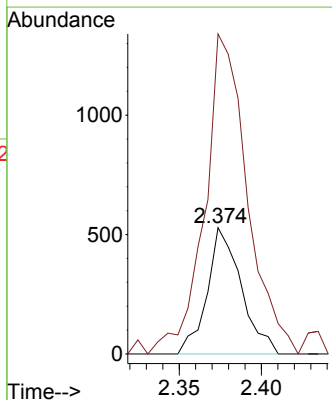
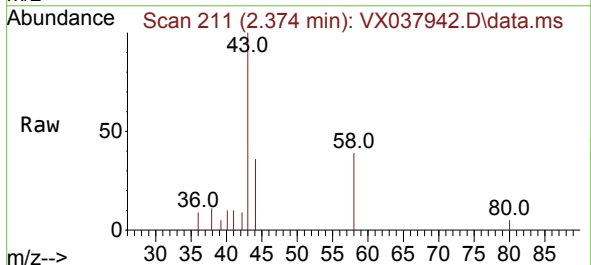
Instrument :
MSVOA_X
ClientSampleId :

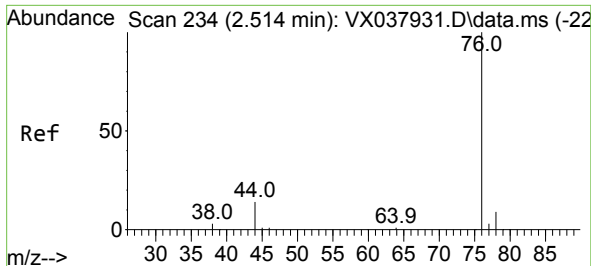
Tgt Ion: 53 Resp: 456
Ion Ratio Lower Upper
53 100
52 48.7 40.0 119.9
51 0.0 18.2 54.6#



#15
Acetone
Concen: 2.013 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX037942.D
Acq: 28 Sep 2023 11:20

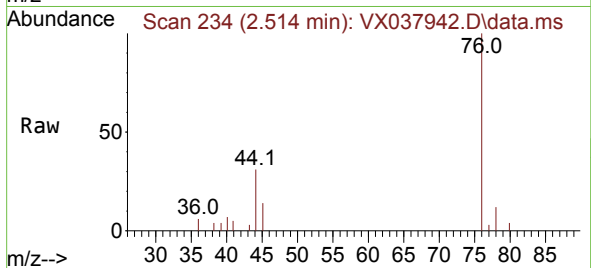
Tgt Ion: 58 Resp: 763
Ion Ratio Lower Upper
58 100
43 238.2 261.0 391.4#



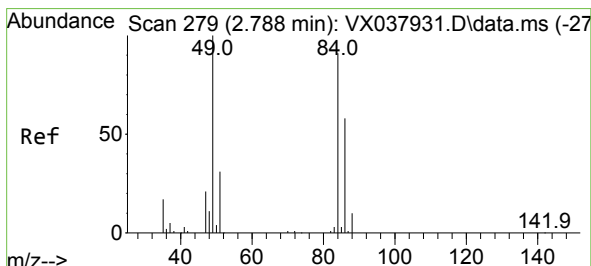
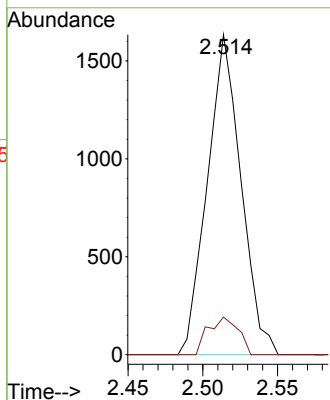
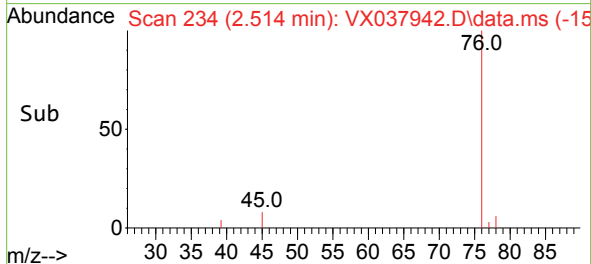


#16
Carbon Disulfide
Concen: 0.449 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX037942.D
Acq: 28 Sep 2023 11:20

Instrument :
MSVOA_X
ClientSampleId :

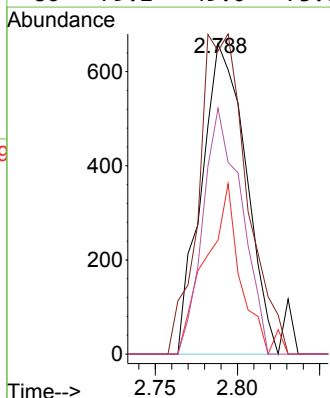
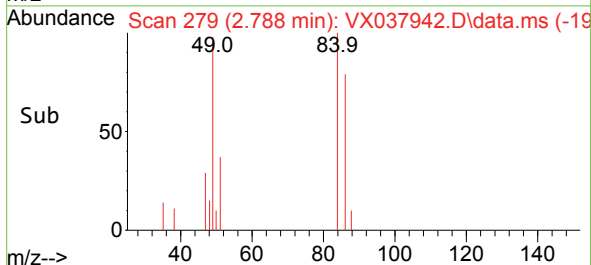
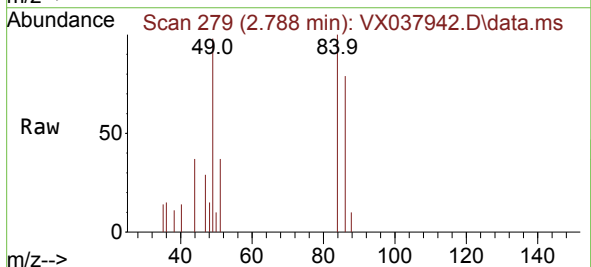


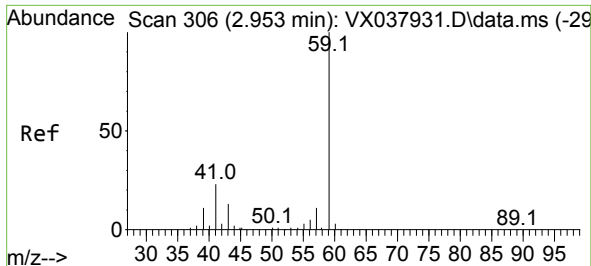
Tgt Ion: 76 Resp: 2556
Ion Ratio Lower Upper
76 100
78 11.8 8.0 12.0



#18
Methylene Chloride
Concen: 0.444 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX037942.D
Acq: 28 Sep 2023 11:20

Tgt Ion: 84 Resp: 1242
Ion Ratio Lower Upper
84 100
49 85.1 95.4 143.0#
51 36.7 28.3 42.5
86 79.2 49.0 73.6#

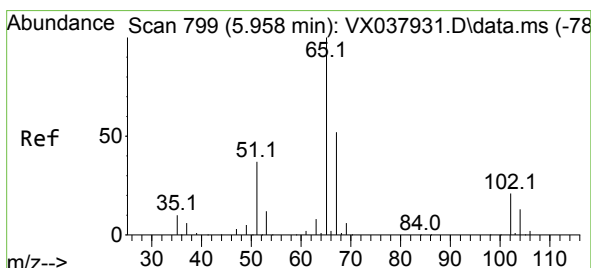
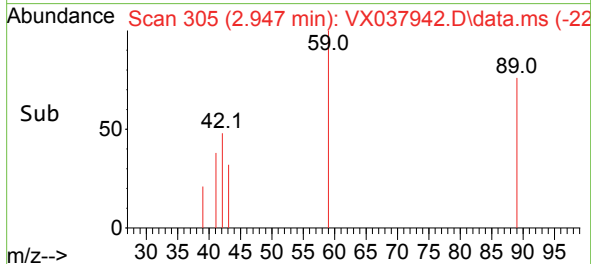
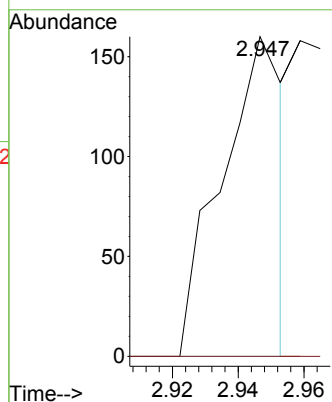
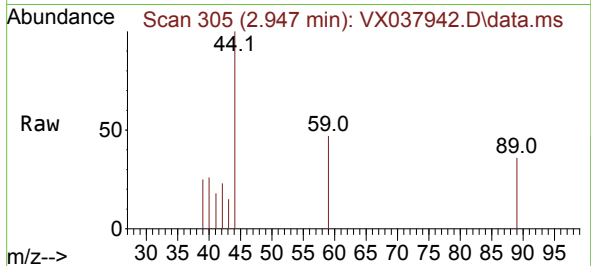




#23
tert-Butyl Alcohol
Concen: 0.380 ug/l
RT: 2.947 min Scan# 306
Delta R.T. -0.006 min
Lab File: VX037942.D
Acq: 28 Sep 2023 11:20

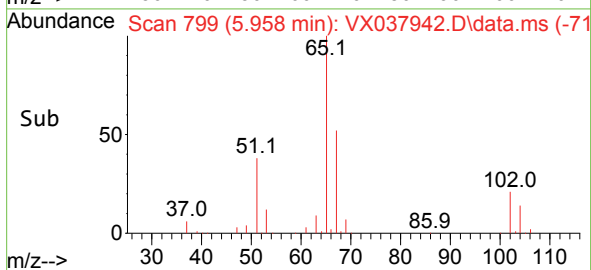
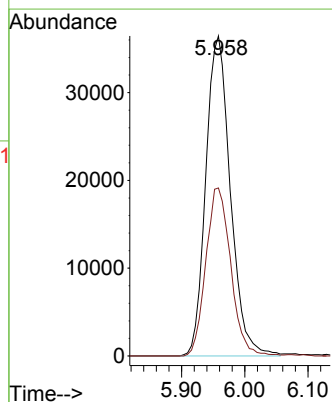
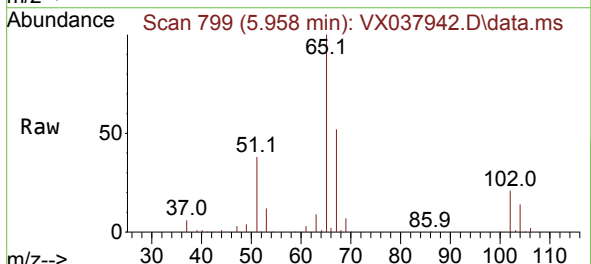
Instrument :
MSVOA_X
ClientSampleId :

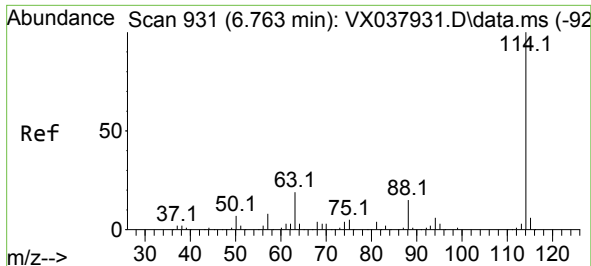
Tgt Ion: 59 Resp: 208
Ion Ratio Lower Upper
59 100
52 0.0 142.6 213.8#



#27
1,2-Dichloroethane-d4
Concen: 30.289 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX037942.D
Acq: 28 Sep 2023 11:20

Tgt Ion: 65 Resp: 98465
Ion Ratio Lower Upper
65 100
67 53.1 42.1 63.1





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.000 min

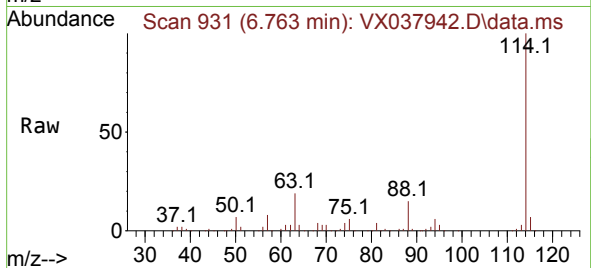
Lab File: VX037942.D

Acq: 28 Sep 2023 11:20

Instrument :

MSVOA_X

ClientSampleId :



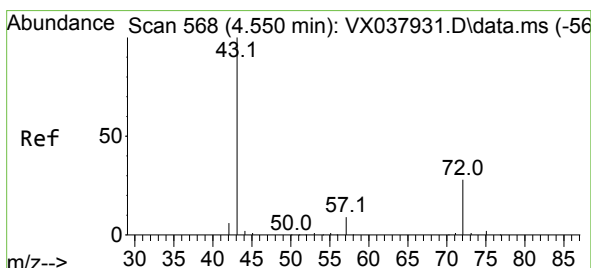
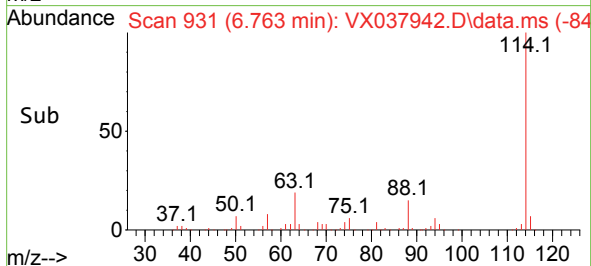
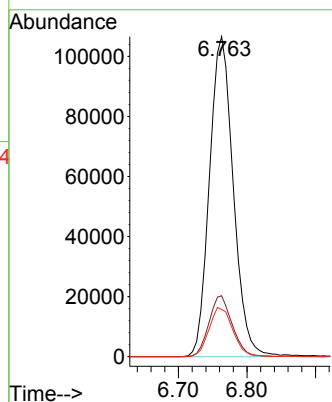
Tgt Ion:114 Resp: 257590

Ion Ratio Lower Upper

114 100

63 18.6 16.6 24.8

88 15.4 12.9 19.3



#30

2-Butanone

Concen: 0.200 ug/l

RT: 4.550 min Scan# 568

Delta R.T. 0.000 min

Lab File: VX037942.D

Acq: 28 Sep 2023 11:20

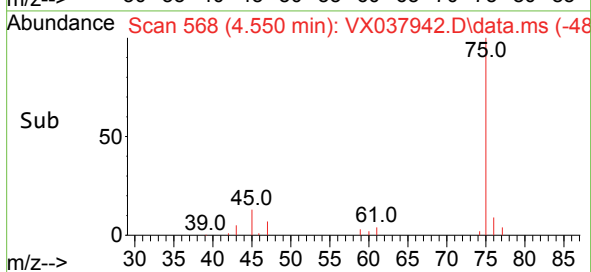
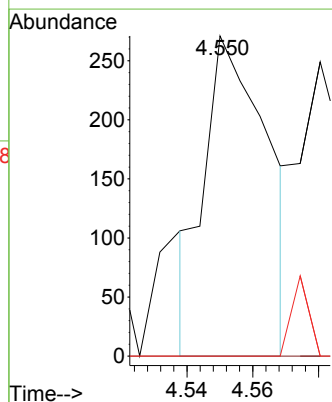
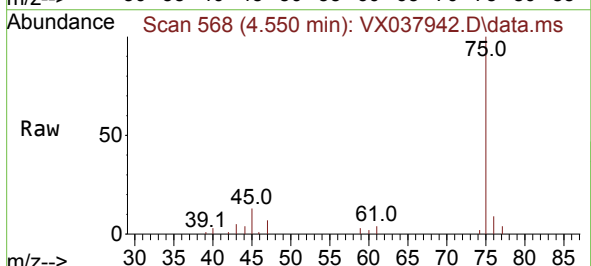
Tgt Ion: 43 Resp: 358

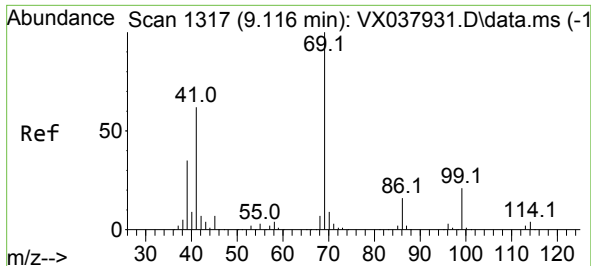
Ion Ratio Lower Upper

43 100

57 0.0 6.4 9.6#

72 0.0 21.6 32.4#

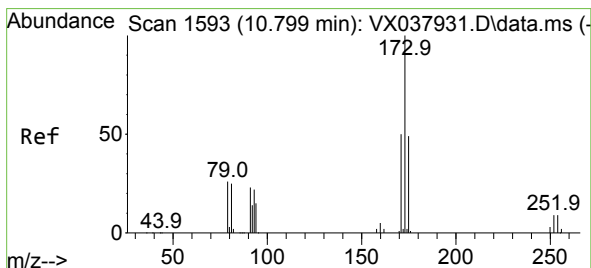
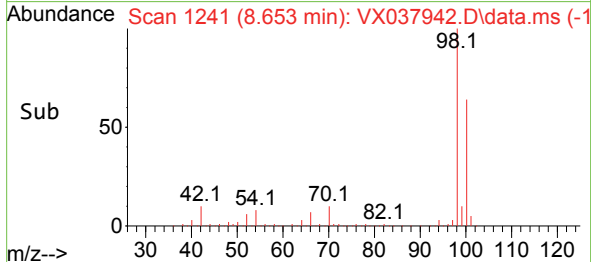
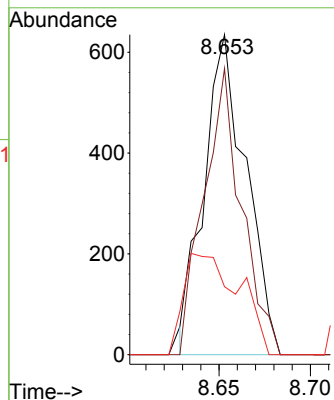
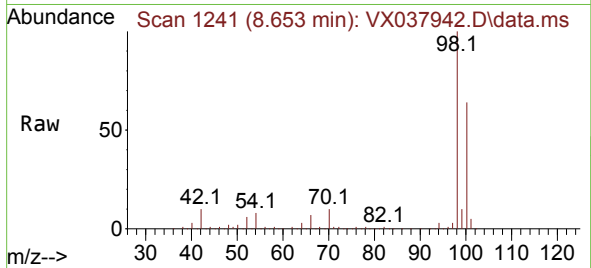




#51
Ethyl methacrylate
Concen: 0.230 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.463 min
Lab File: VX037942.D
Acq: 28 Sep 2023 11:20

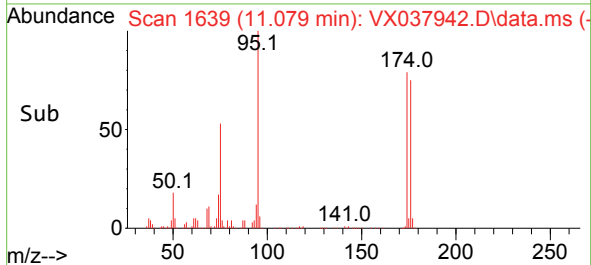
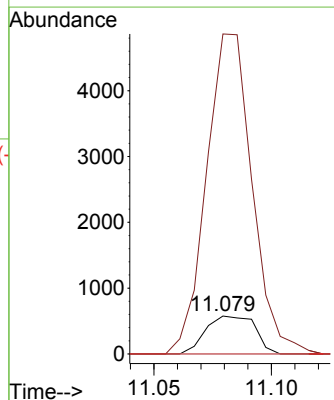
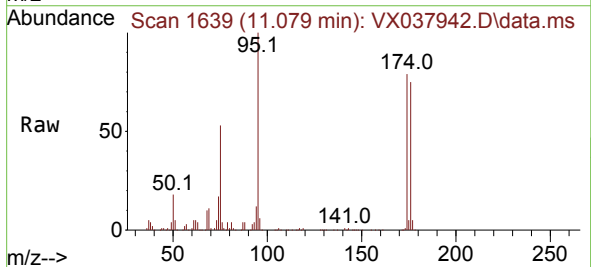
Instrument :
MSVOA_X
ClientSampleId :

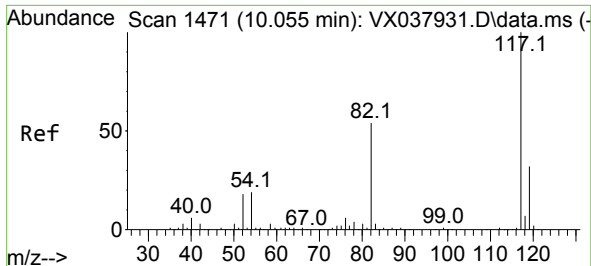
Tgt Ion: 69 Resp: 1015
Ion Ratio Lower Upper
69 100
41 89.4 32.0 96.0
39 21.3 19.4 58.4



#56
Bromoform
Concen: 0.362 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.281 min
Lab File: VX037942.D
Acq: 28 Sep 2023 11:20

Tgt Ion:173 Resp: 841
Ion Ratio Lower Upper
173 100
175 784.1 38.1 57.1#
254 0.0 6.7 10.1#

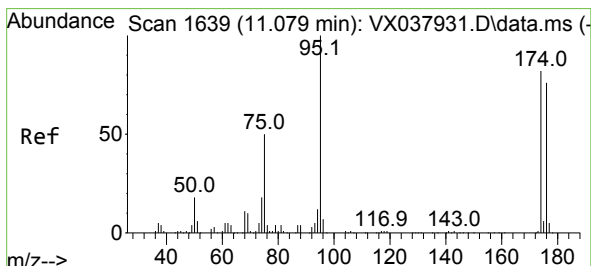
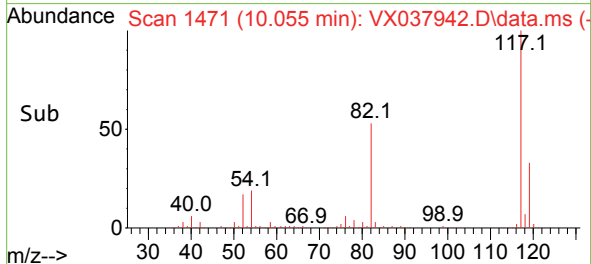
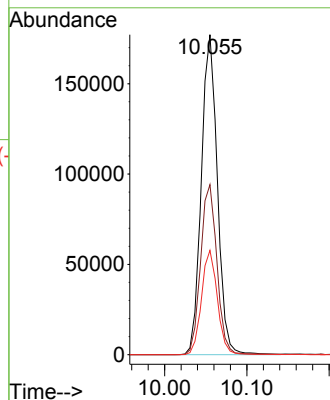
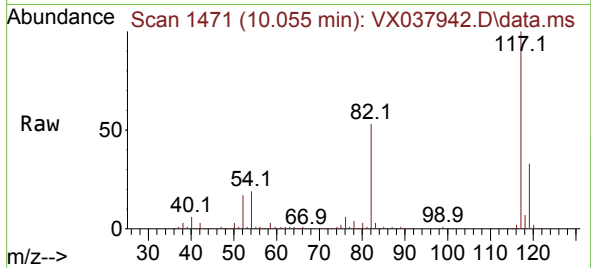




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037942.D
Acq: 28 Sep 2023 11:20

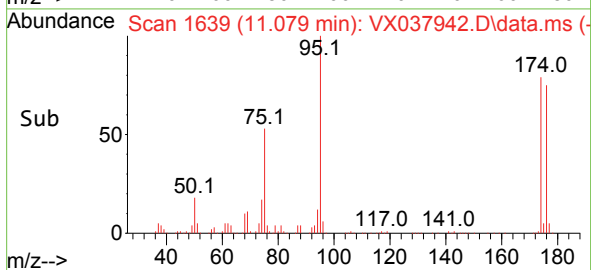
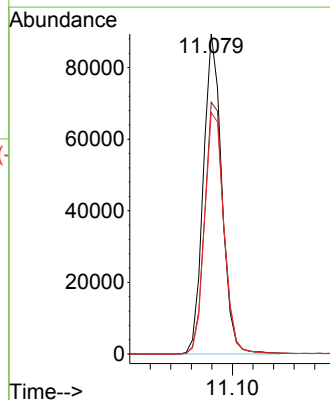
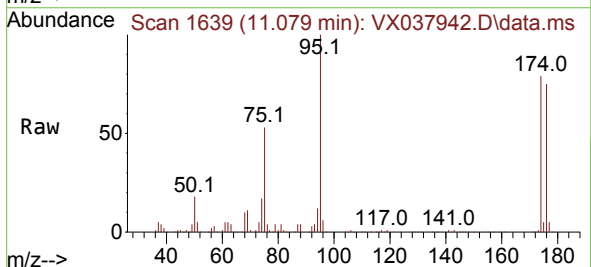
Instrument :
MSVOA_X
ClientSampleId :

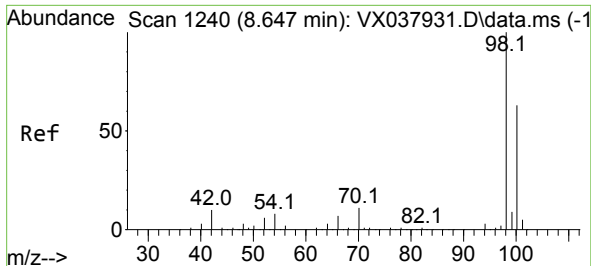
Tgt Ion:117 Resp: 240505
Ion Ratio Lower Upper
117 100
82 53.9 44.7 67.1
119 32.3 25.6 38.4



#60
4-Bromofluorobenzene
Concen: 28.399 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037942.D
Acq: 28 Sep 2023 11:20

Tgt Ion: 95 Resp: 111341
Ion Ratio Lower Upper
95 100
174 82.2 60.5 90.7
176 79.3 58.2 87.4

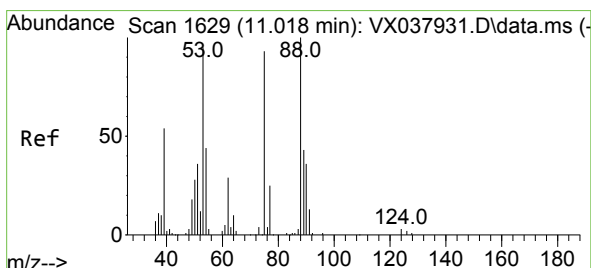
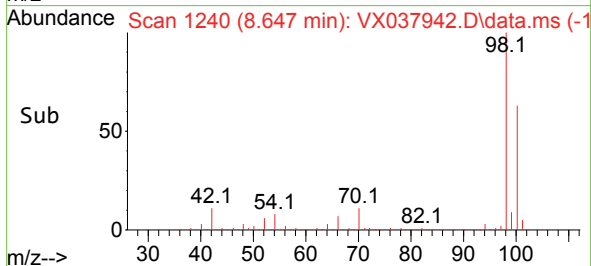
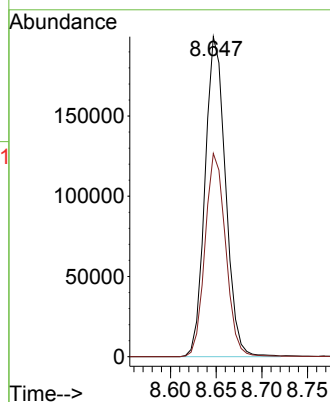
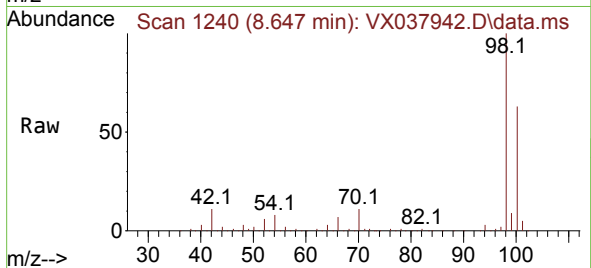




#63
Toluene-d8
Concen: 29.955 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037942.D
Acq: 28 Sep 2023 11:20

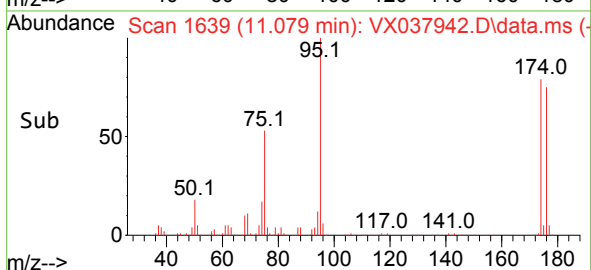
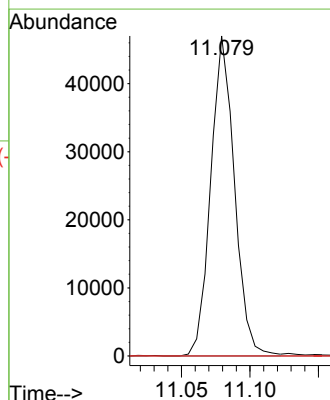
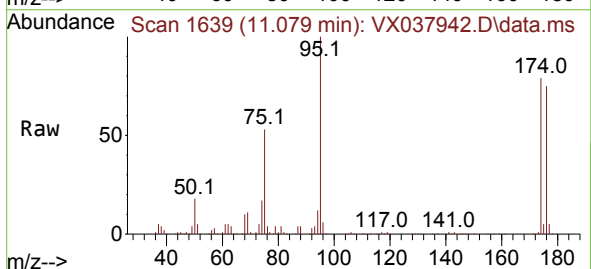
Instrument :
MSVOA_X
ClientSampleId :

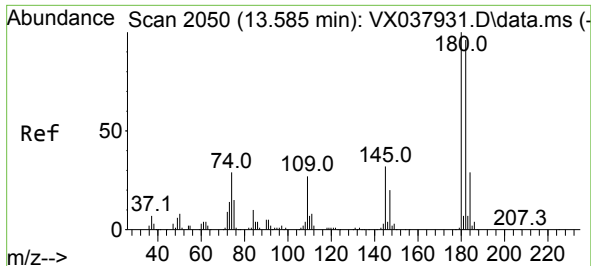
Tgt Ion: 98 Resp: 311003
Ion Ratio Lower Upper
98 100
100 63.9 51.6 77.4



#77
t-1,4-Dichloro-2-butene
Concen: 44.298 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037942.D
Acq: 28 Sep 2023 11:20

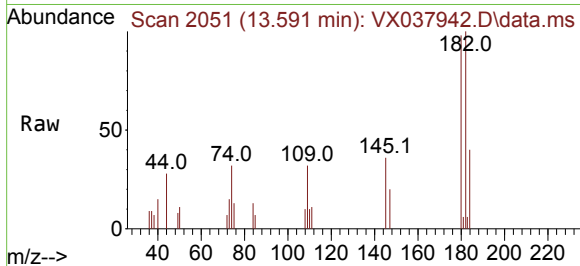
Tgt Ion: 75 Resp: 56595
Ion Ratio Lower Upper
75 100
53 0.0 53.9 161.7#
89 0.0 22.1 66.1#



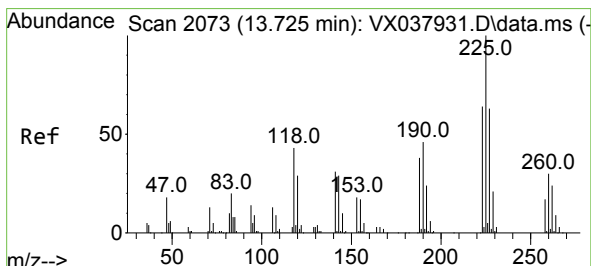
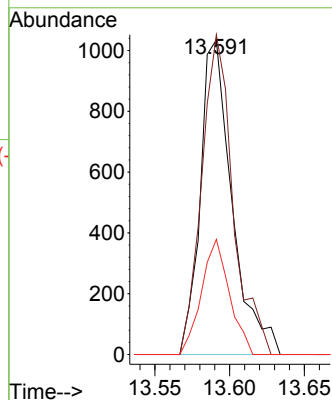
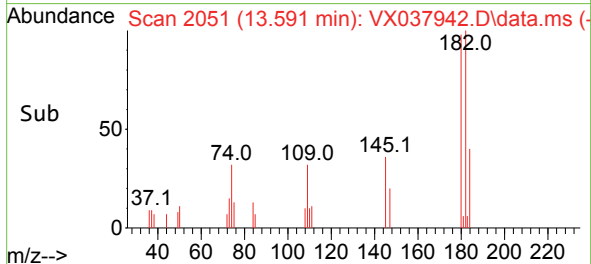


#89
1,2,4-Trichlorobenzene
Concen: 0.334 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX037942.D
Acq: 28 Sep 2023 11:20

Instrument :
MSVOA_X
ClientSampleId :

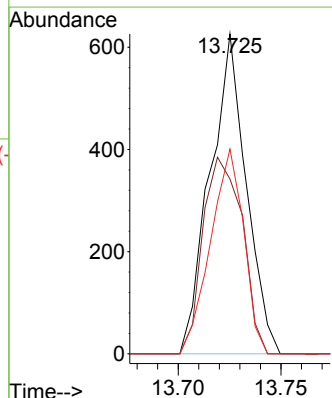
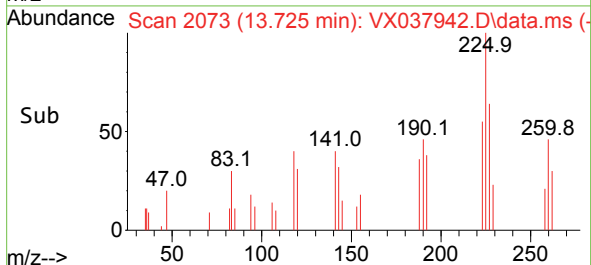
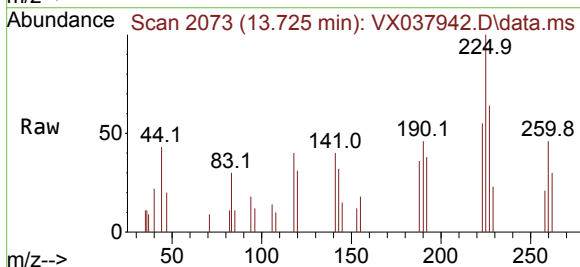


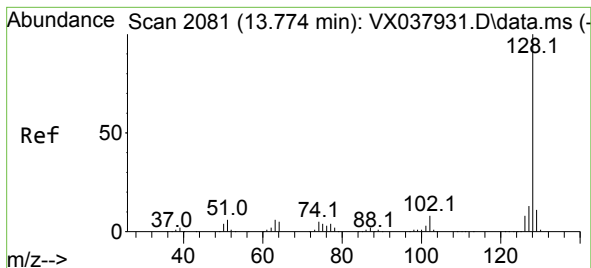
Tgt Ion:180 Resp: 1530
Ion Ratio Lower Upper
180 100
182 99.8 75.6 113.4
145 32.2 25.4 38.2



#90
Hexachlorobutadiene
Concen: 0.381 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX037942.D
Acq: 28 Sep 2023 11:20

Tgt Ion:225 Resp: 767
Ion Ratio Lower Upper
225 100
223 66.9 0.0 124.2
227 58.8 0.0 120.4





#91

Naphthalene

Concen: 0.311 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX037942.D

Acq: 28 Sep 2023 11:20

Instrument :

MSVOA_X

ClientSampleId :

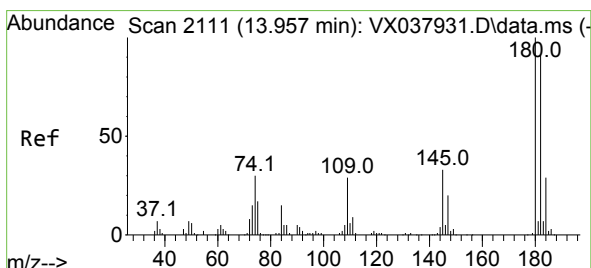
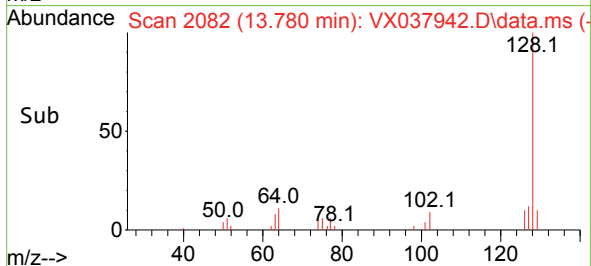
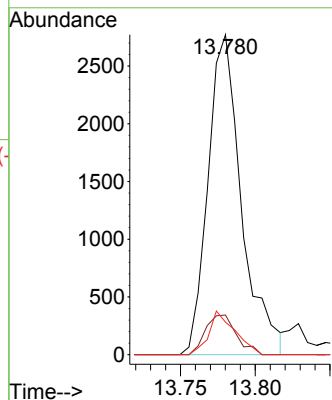
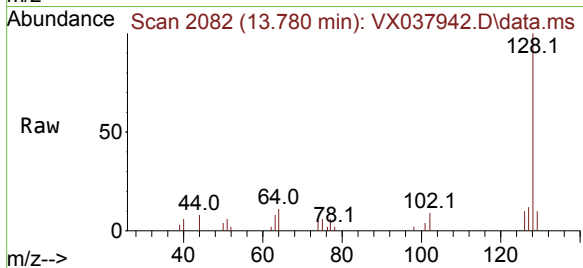
Tgt Ion:128 Resp: 4314

Ion Ratio Lower Upper

128 100

127 11.5 10.3 15.5

129 10.6 8.7 13.1



#92

1,2,3-Trichlorobenzene

Concen: 0.339 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.006 min

Lab File: VX037942.D

Acq: 28 Sep 2023 11:20

Tgt Ion:180 Resp: 1510

Ion Ratio Lower Upper

180 100

182 93.0 0.0 190.6

145 31.1 0.0 66.8

