

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092823\
 Data File : VX037949.D
 Acq On : 28 Sep 2023 14:37
 Operator : JC/MD
 Sample : 04661-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 29 04:27:02 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)

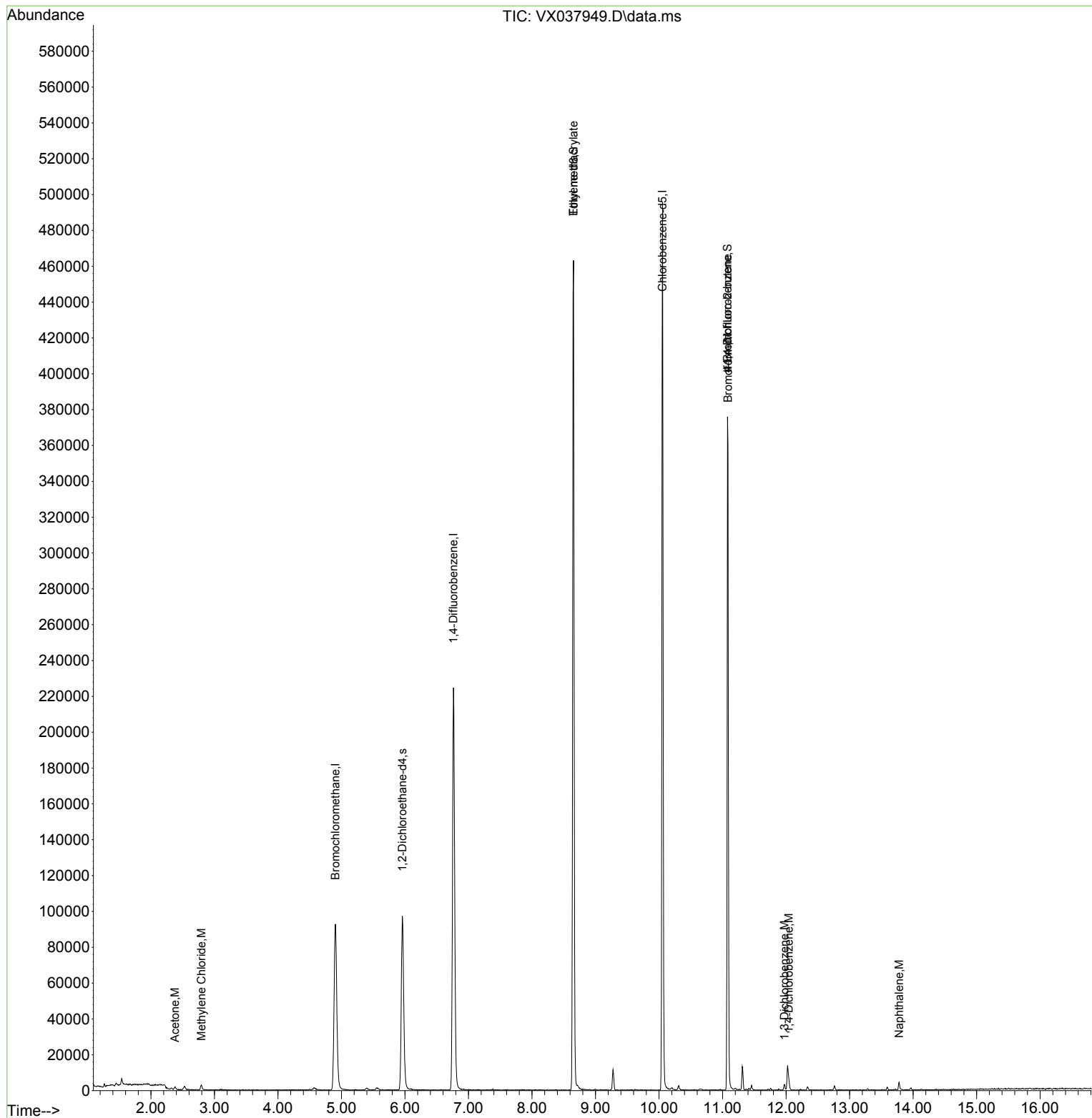
Internal Standards						
1) Bromochloromethane	4.903	128	42144	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	235880	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	221111	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	92096	30.316	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.067%
60) 4-Bromofluorobenzene	11.079	95	101051	28.035	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	93.433%
63) Toluene-d8	8.653	98	285967	29.960	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.867%
Target Compounds						
					Qvalue	
15) Acetone	2.380	58	517	1.460	ug/l #	35
18) Methylene Chloride	2.794	84	1299	0.497	ug/l #	84
51) Ethyl methacrylate	8.653	69	927	0.229	ug/l	80
56) Bromoform	11.085	173	832	0.391	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	51201	43.591	ug/l #	7
83) 1,3-Dichlorobenzene	11.975	146	1313	0.209	ug/l	95
84) 1,4-Dichlorobenzene	12.042	146	1751	0.275	ug/l	96
91) Naphthalene	13.780	128	3697	0.290	ug/l #	96

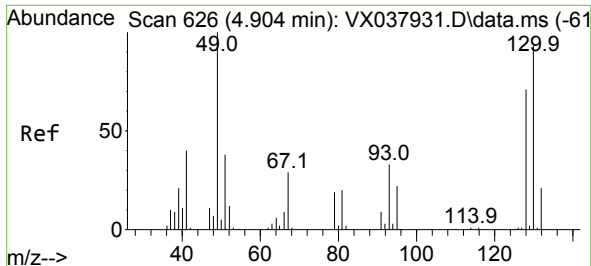
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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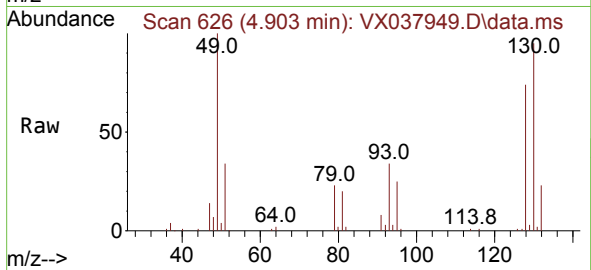
Quant Time: Sep 29 04:27:02 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X092723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Sep 28 06:08:32 2023
Response via : Initial Calibration



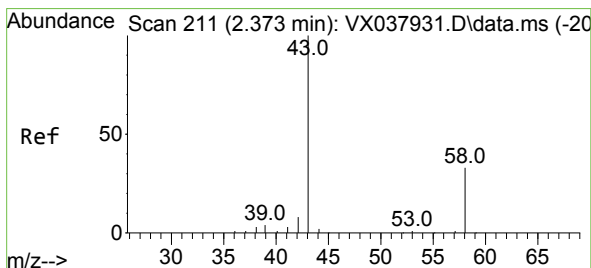
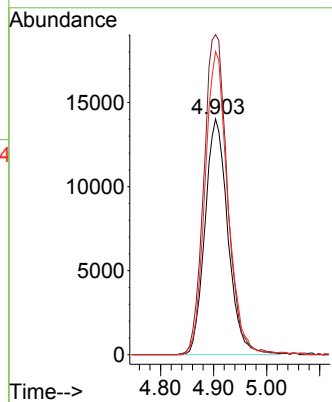
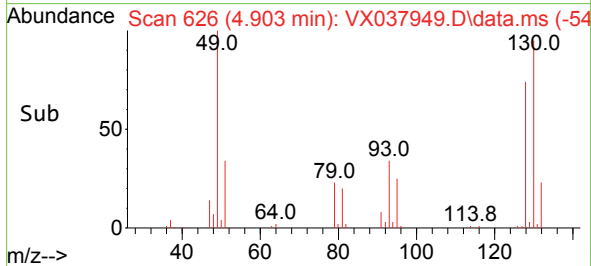


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. -0.001 min
Lab File: VX037949.D
Acq: 28 Sep 2023 14:37

Instrument :
MSVOA_X
ClientSampleId :

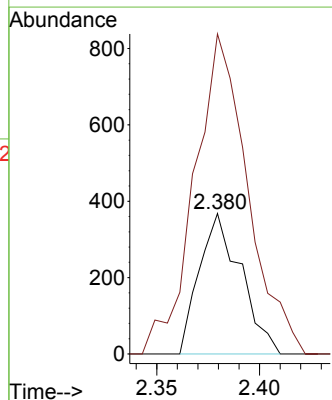
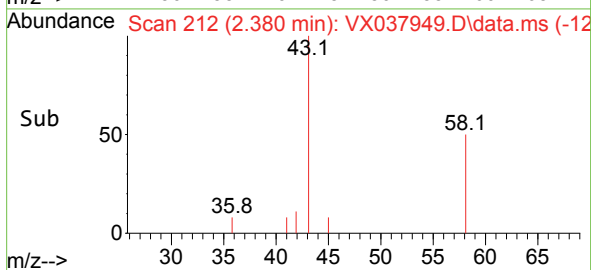
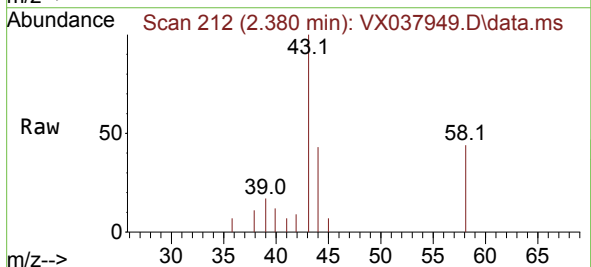


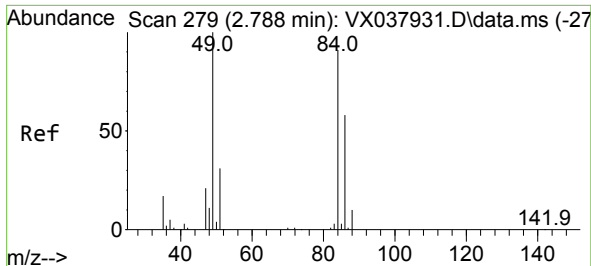
Tgt Ion:128 Resp: 42144
Ion Ratio Lower Upper
128 100
49 138.5 0.0 406.3
130 127.7 0.0 328.0



#15
Acetone
Concen: 1.460 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX037949.D
Acq: 28 Sep 2023 14:37

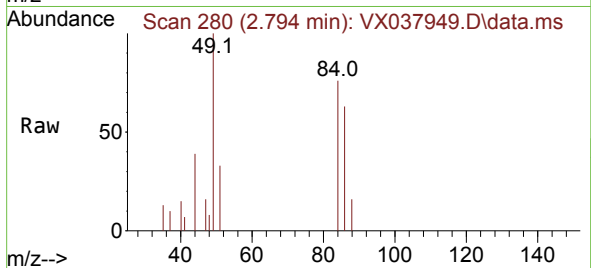
Tgt Ion: 58 Resp: 517
Ion Ratio Lower Upper
58 100
43 190.8 261.0 391.4#



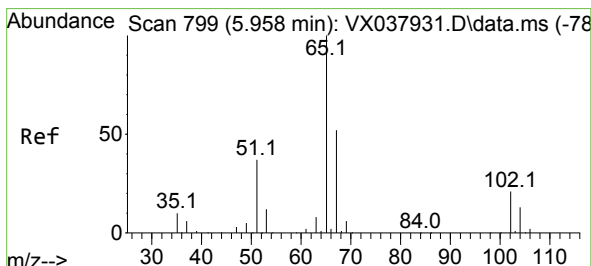
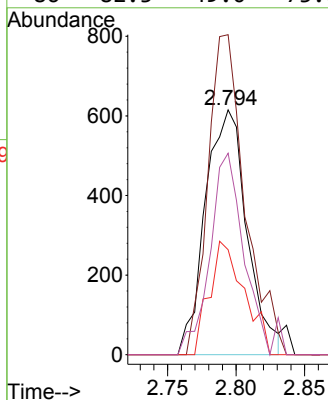
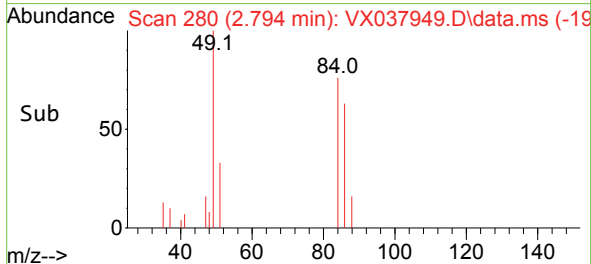


#18
Methylene Chloride
Concen: 0.497 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX037949.D
Acq: 28 Sep 2023 14:37

Instrument :
MSVOA_X
ClientSampleId :

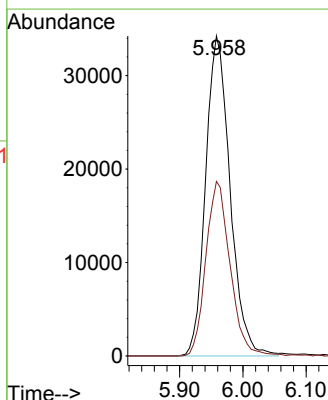
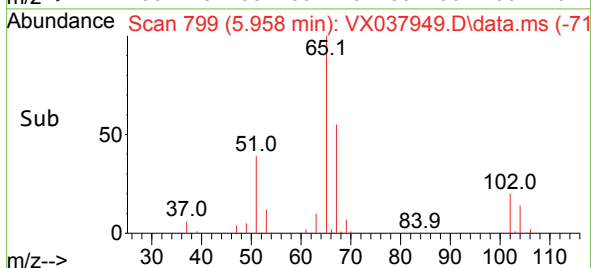
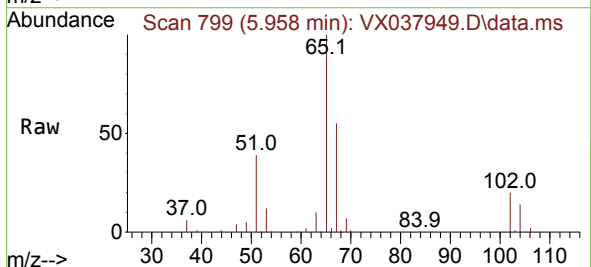


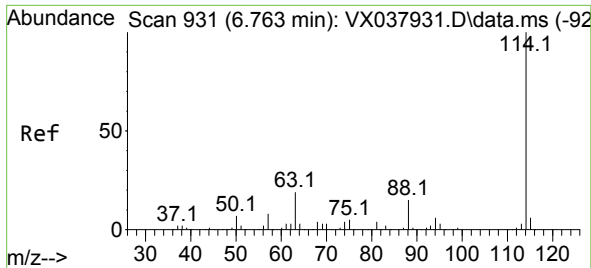
Tgt Ion: 84 Resp: 1299
Ion Ratio Lower Upper
84 100
49 130.7 95.4 143.0
51 42.9 28.3 42.5#
86 82.3 49.0 73.6#



#27
1,2-Dichloroethane-d4
Concen: 30.316 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX037949.D
Acq: 28 Sep 2023 14:37

Tgt Ion: 65 Resp: 92096
Ion Ratio Lower Upper
65 100
67 54.0 42.1 63.1

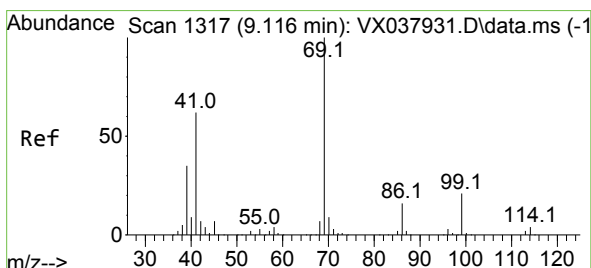
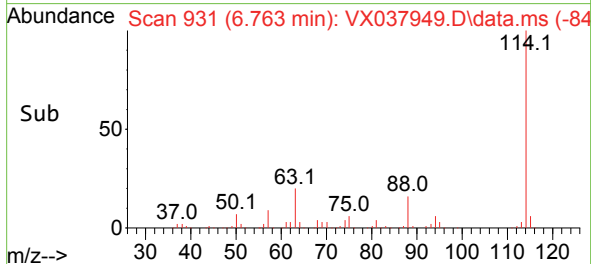
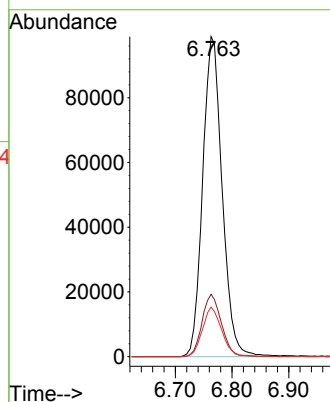
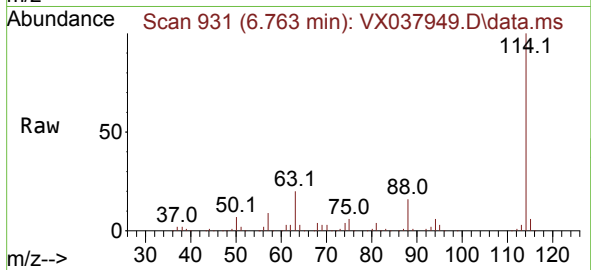




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX037949.D
Acq: 28 Sep 2023 14:37

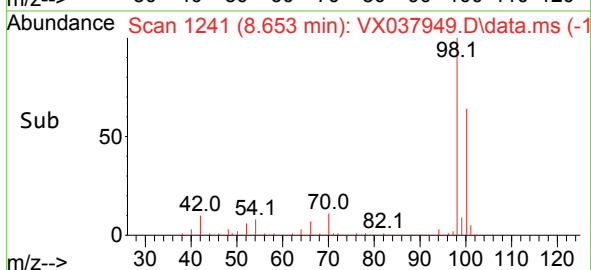
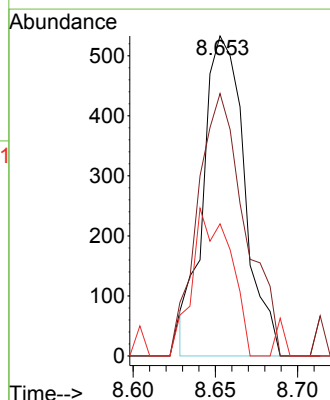
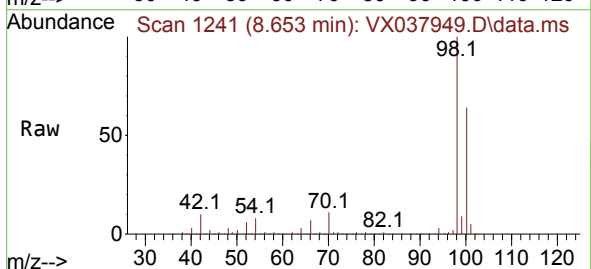
Instrument :
MSVOA_X
ClientSampleId :

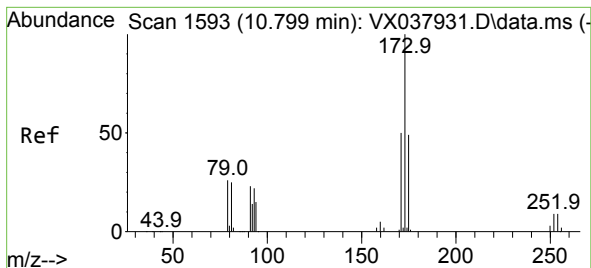
Tgt Ion:114 Resp: 235880
Ion Ratio Lower Upper
114 100
63 19.4 16.6 24.8
88 15.3 12.9 19.3



#51
Ethyl methacrylate
Concen: 0.229 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.463 min
Lab File: VX037949.D
Acq: 28 Sep 2023 14:37

Tgt Ion: 69 Resp: 927
Ion Ratio Lower Upper
69 100
41 82.0 32.0 96.0
39 29.5 19.4 58.4





#56

Bromoform

Concen: 0.391 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.287 min

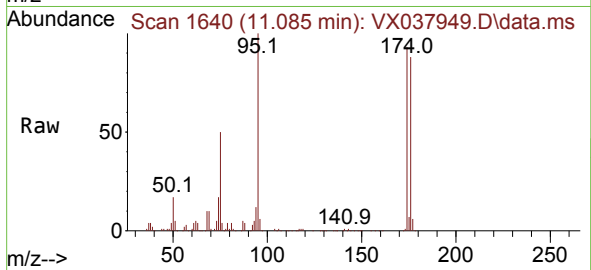
Lab File: VX037949.D

Acq: 28 Sep 2023 14:37

Instrument :

MSVOA_X

ClientSampleId :



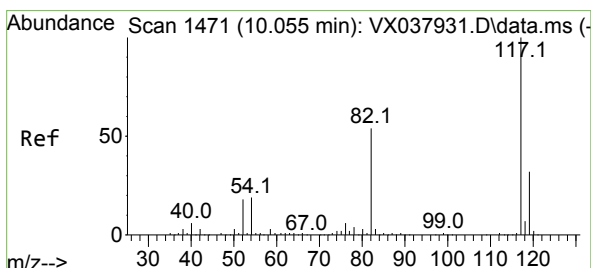
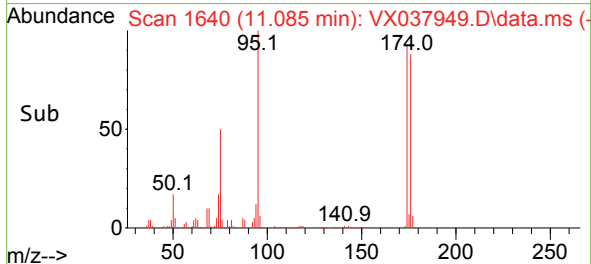
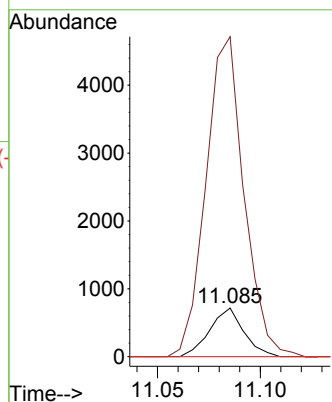
Tgt Ion:173 Resp: 832

Ion Ratio Lower Upper

173 100

175 729.4 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: VX037949.D

Acq: 28 Sep 2023 14:37

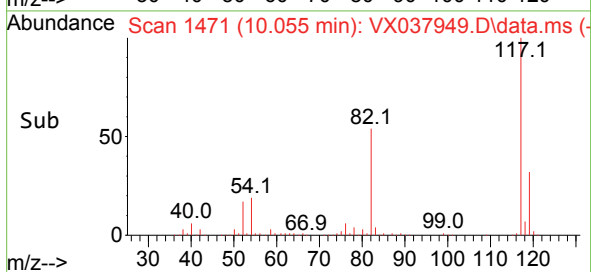
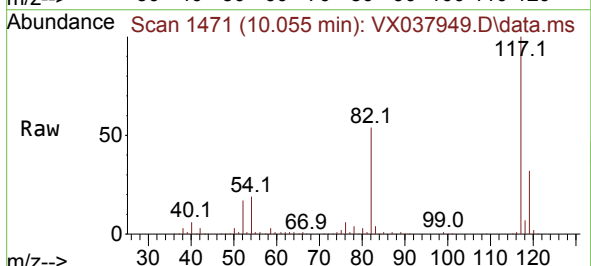
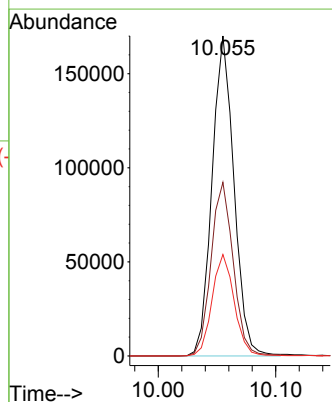
Tgt Ion:117 Resp: 221111

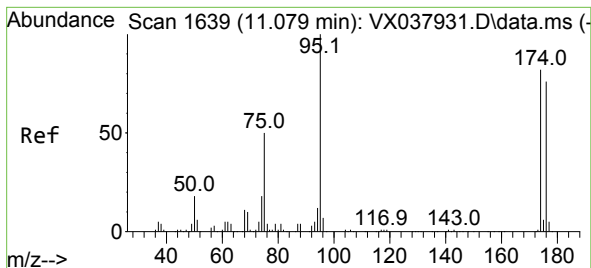
Ion Ratio Lower Upper

117 100

82 55.2 44.7 67.1

119 32.1 25.6 38.4

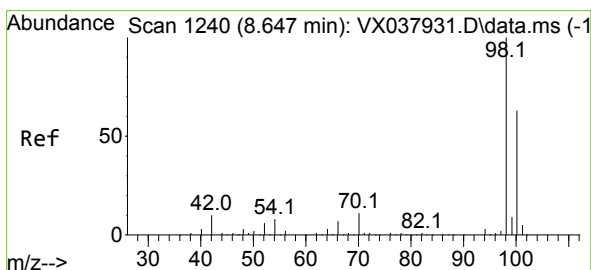
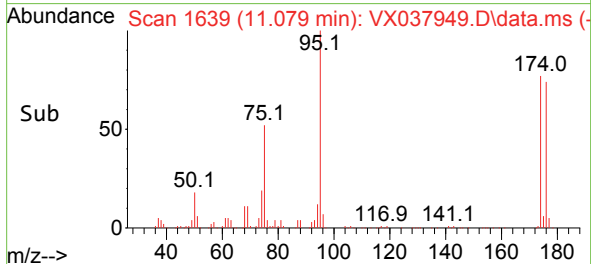
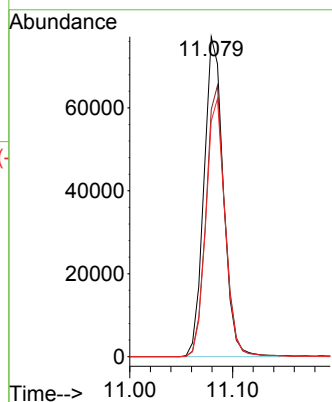
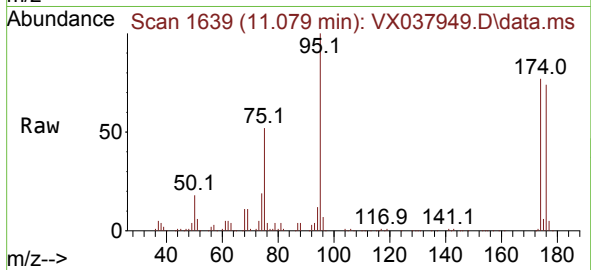




#60
4-Bromofluorobenzene
Concen: 28.035 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037949.D
Acq: 28 Sep 2023 14:37

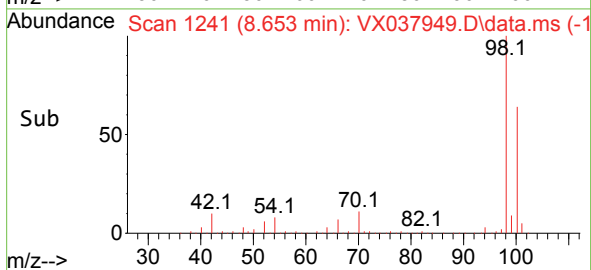
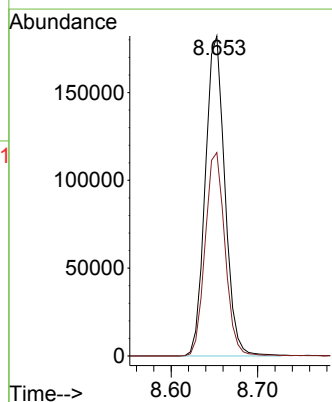
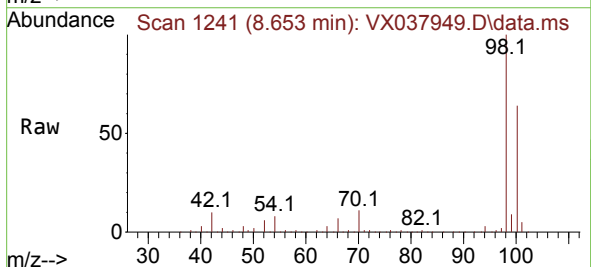
Instrument :
MSVOA_X
ClientSampleId :

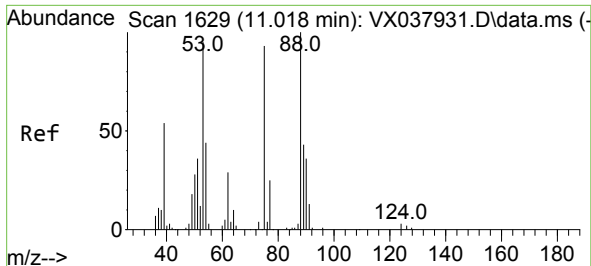
Tgt Ion: 95 Resp: 101051
Ion Ratio Lower Upper
95 100
174 83.0 60.5 90.7
176 79.5 58.2 87.4



#63
Toluene-d8
Concen: 29.960 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX037949.D
Acq: 28 Sep 2023 14:37

Tgt Ion: 98 Resp: 285967
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4





#77

t-1,4-Dichloro-2-butene

Concen: 43.591 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.061 min

Lab File: VX037949.D

Acq: 28 Sep 2023 14:37

Instrument :

MSVOA_X

ClientSampleId :

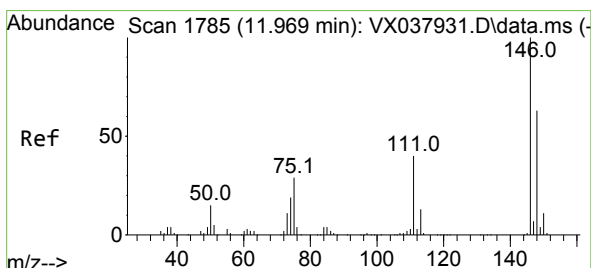
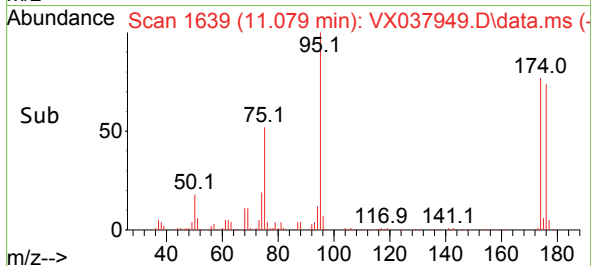
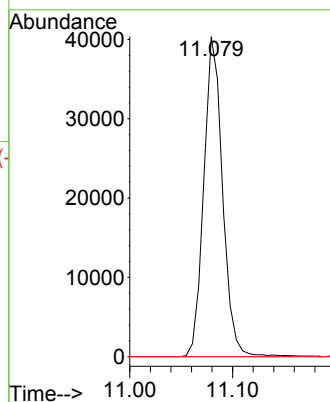
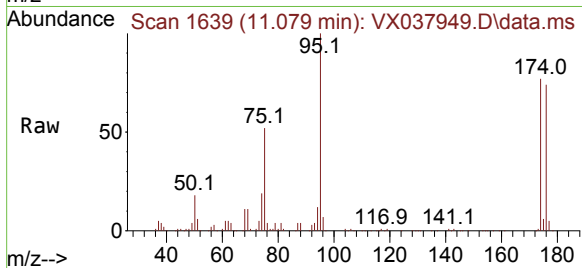
Tgt Ion: 75 Resp: 51201

Ion Ratio Lower Upper

75 100

53 0.0 53.9 161.7#

89 0.0 22.1 66.1#



#83

1,3-Dichlorobenzene

Concen: 0.209 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. 0.006 min

Lab File: VX037949.D

Acq: 28 Sep 2023 14:37

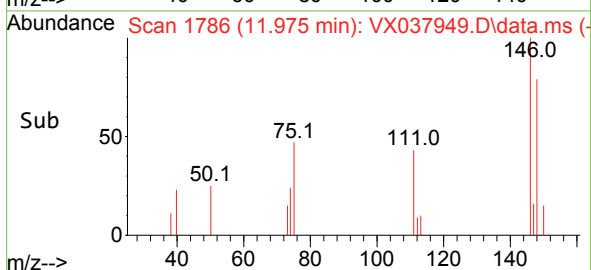
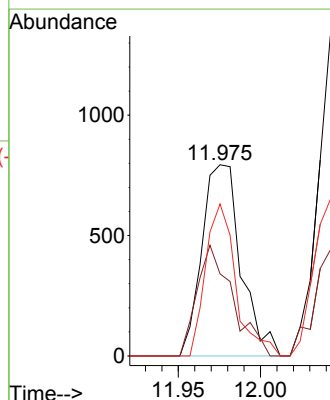
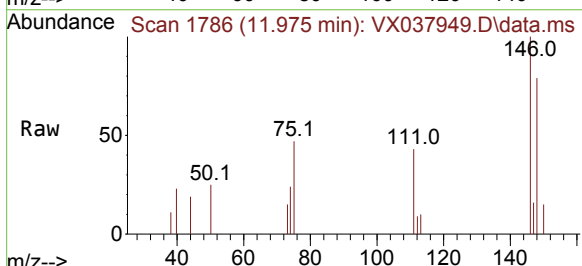
Tgt Ion: 146 Resp: 1313

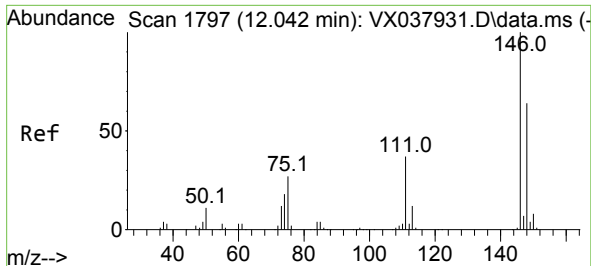
Ion Ratio Lower Upper

146 100

111 46.8 20.4 61.2

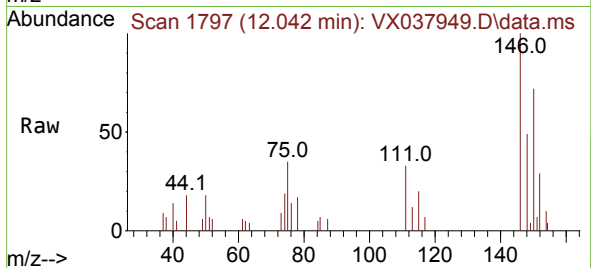
148 61.5 31.6 94.8



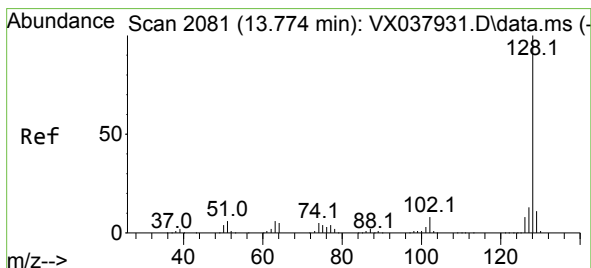
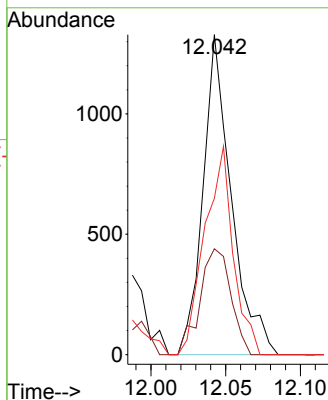
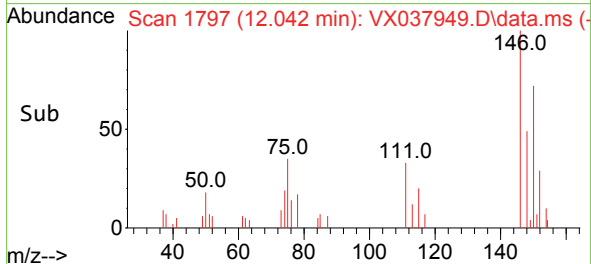


#84
1,4-Dichlorobenzene
Concen: 0.275 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. -0.000 min
Lab File: VX037949.D
Acq: 28 Sep 2023 14:37

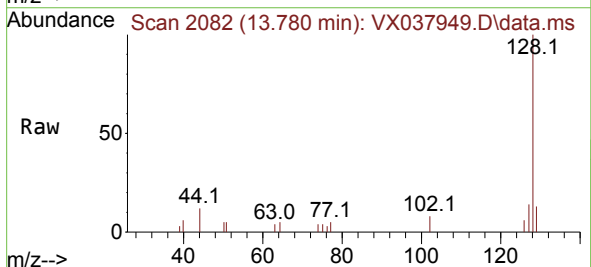
Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:146 Resp: 1751
Ion Ratio Lower Upper
146 100
111 36.2 20.2 60.6
148 65.5 32.1 96.3



#91
Naphthalene
Concen: 0.290 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX037949.D
Acq: 28 Sep 2023 14:37



Tgt Ion:128 Resp: 3697
Ion Ratio Lower Upper
128 100
127 13.7 10.3 15.5
129 8.4 8.7 13.1#

