

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121523\
 Data File : VX039225.D
 Acq On : 15 Dec 2023 11:33
 Operator : JC/MD
 Sample : VX1215WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 16 01:13:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X112423W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 27 03:22:25 2023
 Response via : Initial Calibration

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

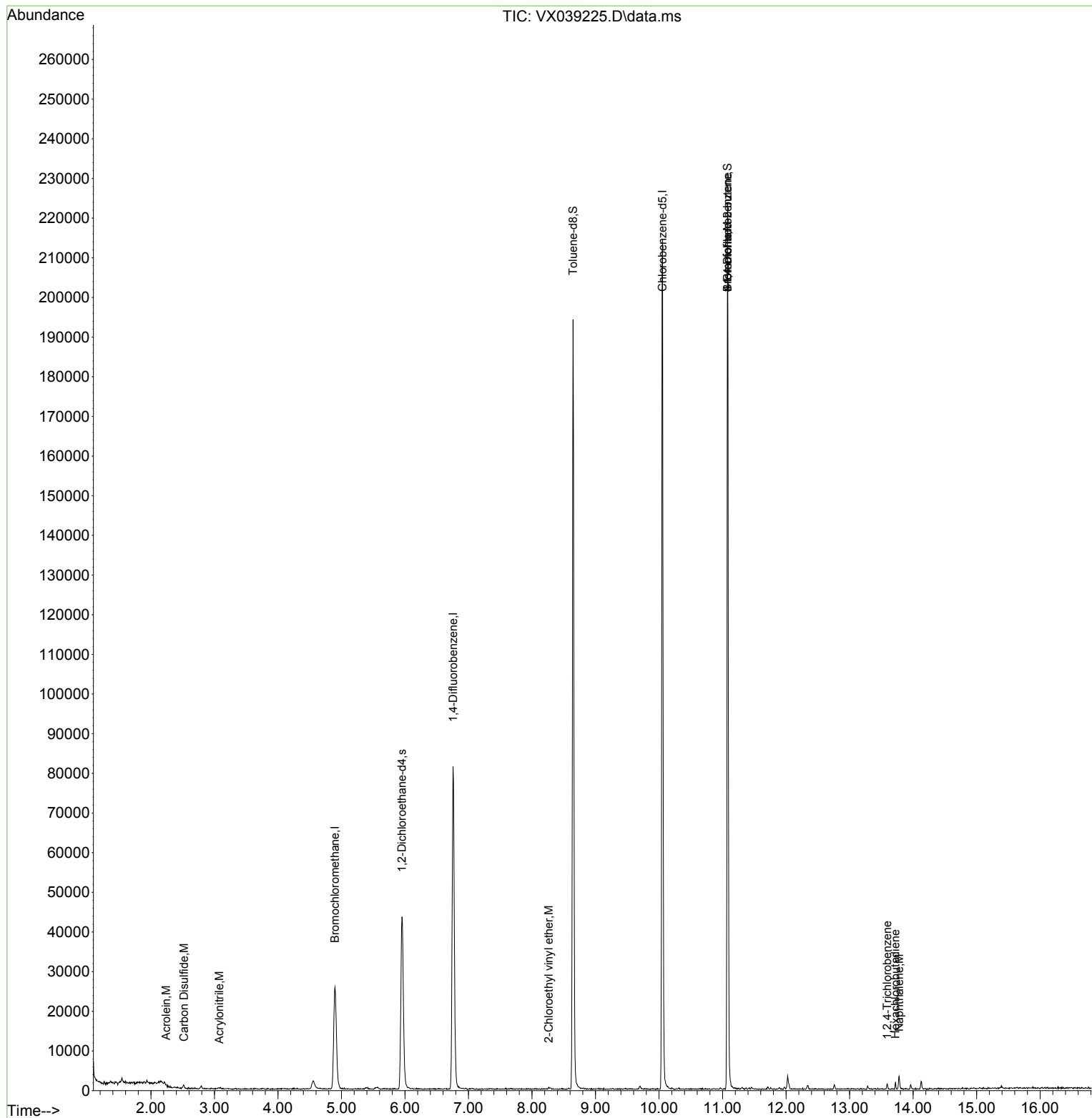
Internal Standards						
1) Bromochloromethane	4.897	128	10263	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	79246	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	94399	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	43955	31.306	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.367%
60) 4-Bromofluorobenzene	11.079	95	63455	30.776	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	102.600%
63) Toluene-d8	8.647	98	110201	29.527	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.433%
Target Compounds						
					Qvalue	
13) Acrolein	2.239	56	181	0.475	ug/l #	71
14) Acrylonitrile	3.075	53	301	0.283	ug/l #	51
16) Carbon Disulfide	2.520	76	1012	0.239	ug/l	98
55) 2-Chloroethyl vinyl ether	8.263	63	302	0.232	ug/l #	45
56) Bromoform	11.079	173	406	0.320	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	34444	37.651	ug/l #	12
89) 1,2,4-Trichlorobenzene	13.591	180	515	0.254	ug/l #	75
90) Hexachlorobutadiene	13.719	225	275	0.379	ug/l	87
91) Naphthalene	13.780	128	2619	0.350	ug/l #	93

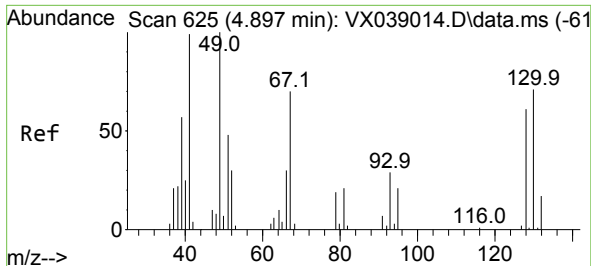
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Dec 16 01:13:19 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X112423W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Nov 27 03:22:25 2023
Response via : Initial Calibration

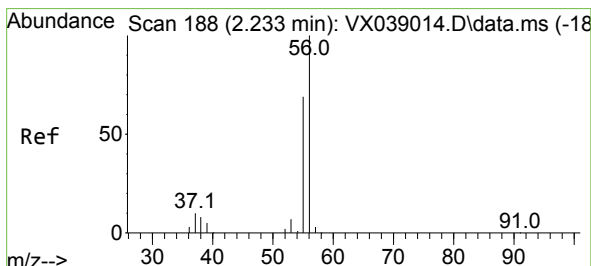
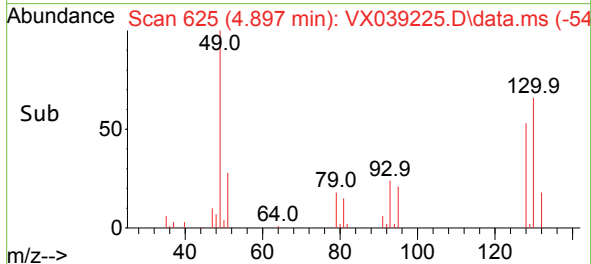
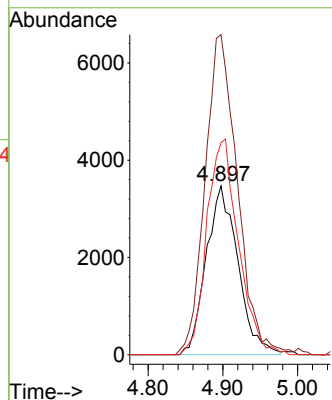
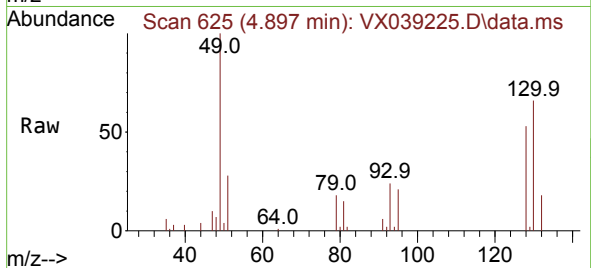




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX039225.D
Acq: 15 Dec 2023 11:33

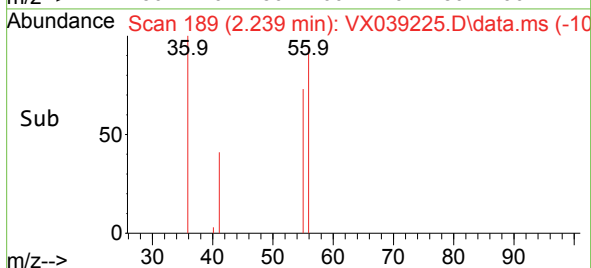
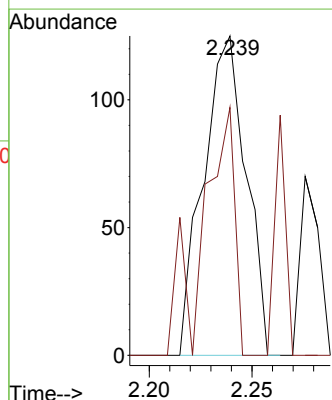
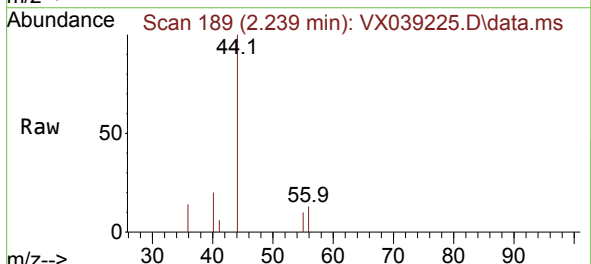
Instrument :
MSVOA_X
ClientSampleId :

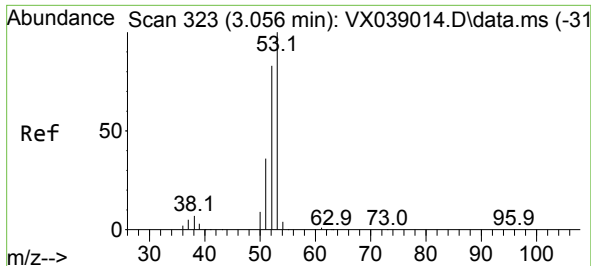
Tgt Ion:128 Resp: 10263
Ion Ratio Lower Upper
128 100
49 188.9 0.0 444.0
130 126.0 0.0 297.8



#13
Acrolein
Concen: 0.475 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.006 min
Lab File: VX039225.D
Acq: 15 Dec 2023 11:33

Tgt Ion: 56 Resp: 181
Ion Ratio Lower Upper
56 100
55 47.5 57.2 85.8#

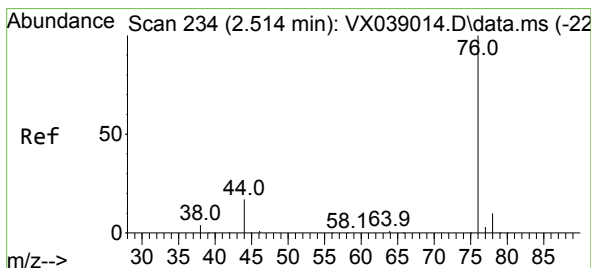
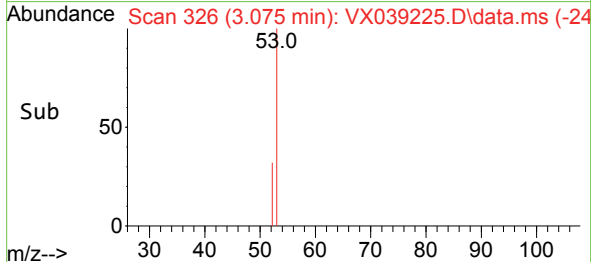
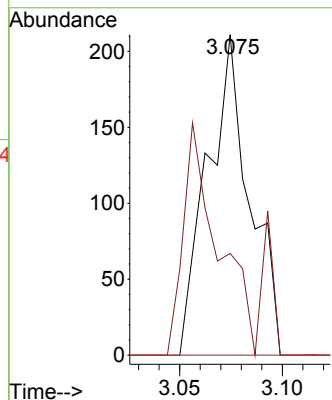
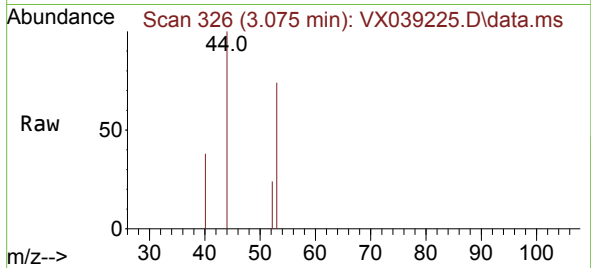




#14
Acrylonitrile
Concen: 0.283 ug/l
RT: 3.075 min Scan# 301
Delta R.T. 0.018 min
Lab File: VX039225.D
Acq: 15 Dec 2023 11:33

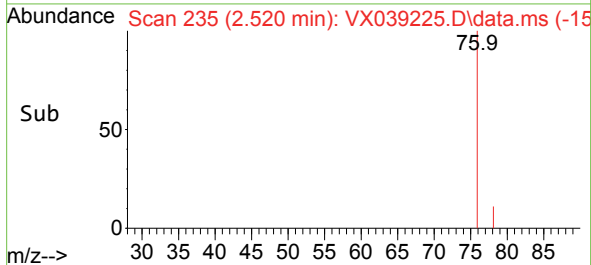
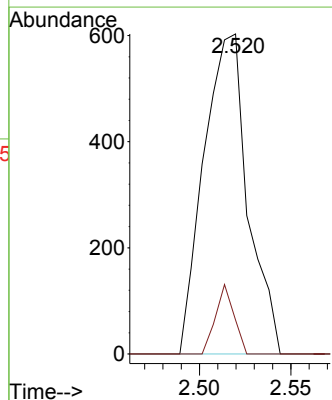
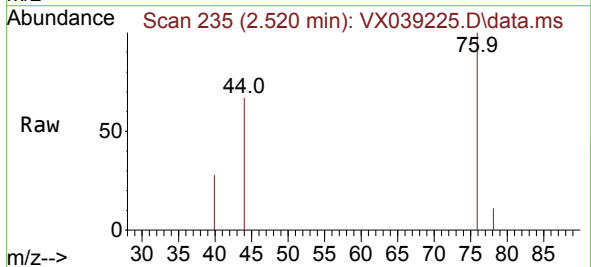
Instrument :
MSVOA_X
ClientSampleId :

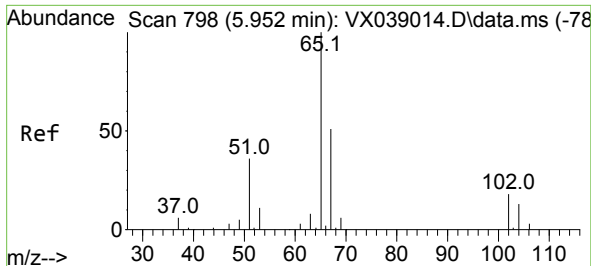
Tgt Ion: 53 Resp: 301
Ion Ratio Lower Upper
53 100
52 44.9 41.9 125.6
51 0.0 18.3 54.9#



#16
Carbon Disulfide
Concen: 0.239 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX039225.D
Acq: 15 Dec 2023 11:33

Tgt Ion: 76 Resp: 1012
Ion Ratio Lower Upper
76 100
78 10.6 8.0 12.0

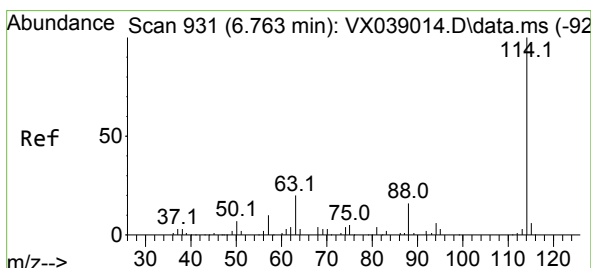
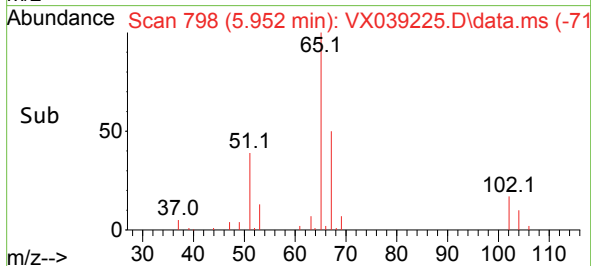
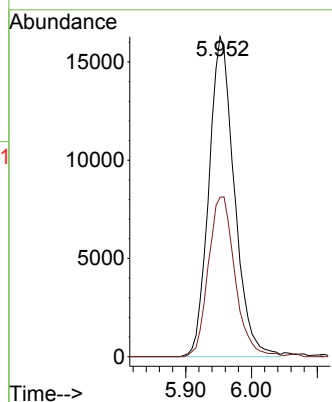
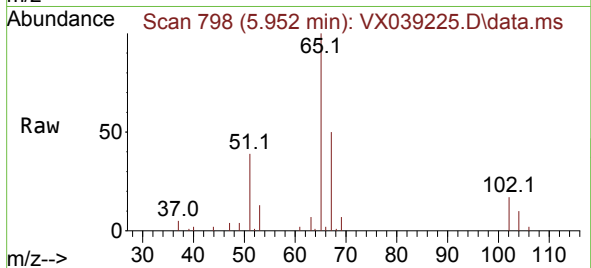




#27
1,2-Dichloroethane-d4
Concen: 31.306 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX039225.D
Acq: 15 Dec 2023 11:33

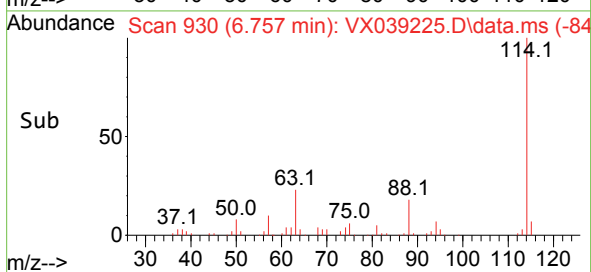
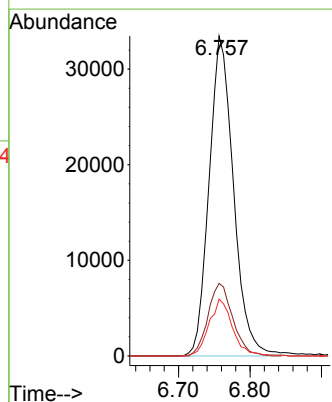
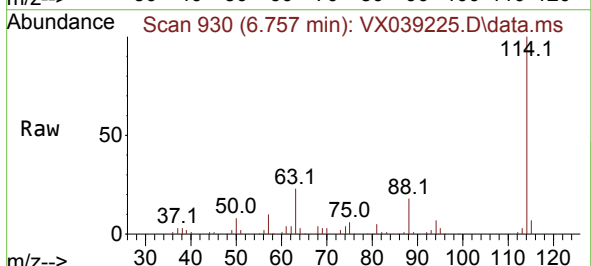
Instrument :
MSVOA_X
ClientSampleId :

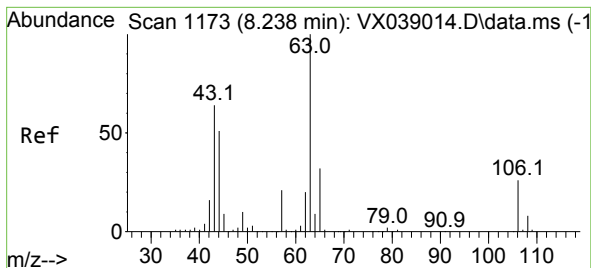
Tgt Ion: 65 Resp: 43955
Ion Ratio Lower Upper
65 100
67 51.8 42.5 63.7



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.006 min
Lab File: VX039225.D
Acq: 15 Dec 2023 11:33

Tgt Ion:114 Resp: 79246
Ion Ratio Lower Upper
114 100
63 23.0 17.0 25.4
88 17.0 12.7 19.1





#55

2-Chloroethyl vinyl ether

Concen: 0.232 ug/l

RT: 8.263 min Scan# 1177

Delta R.T. 0.024 min

Lab File: VX039225.D

Acq: 15 Dec 2023 11:33

Instrument :

MSVOA_X

ClientSampleId :

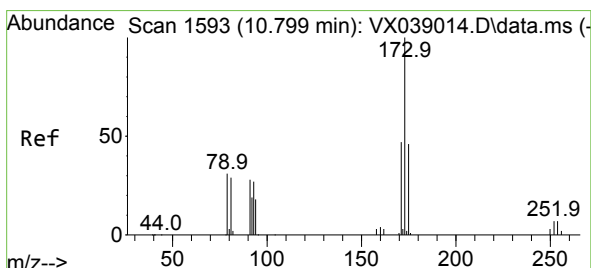
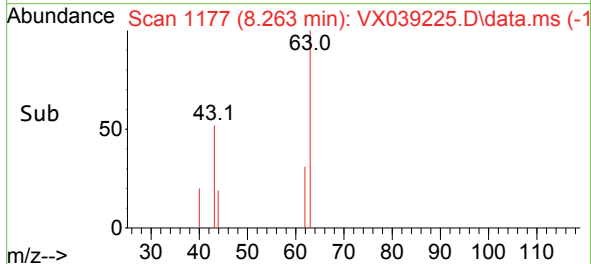
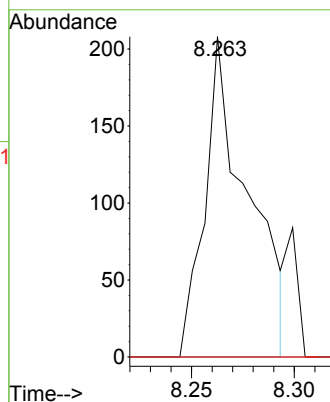
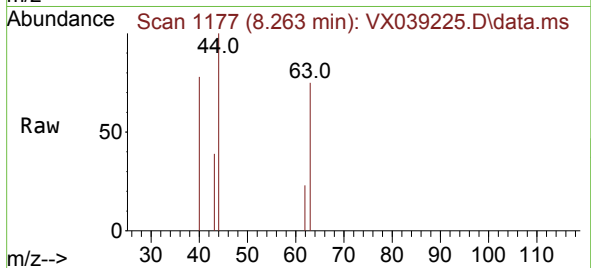
Tgt Ion: 63 Resp: 302

Ion Ratio Lower Upper

63 100

65 0.0 25.8 38.6#

106 0.0 20.6 31.0#



#56

Bromoform

Concen: 0.320 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.280 min

Lab File: VX039225.D

Acq: 15 Dec 2023 11:33

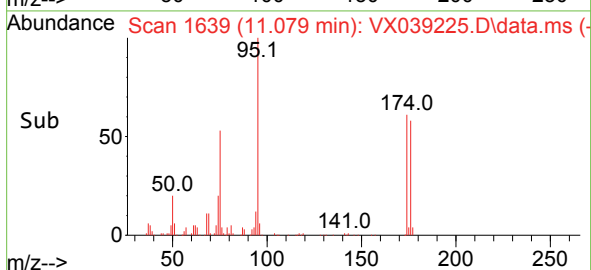
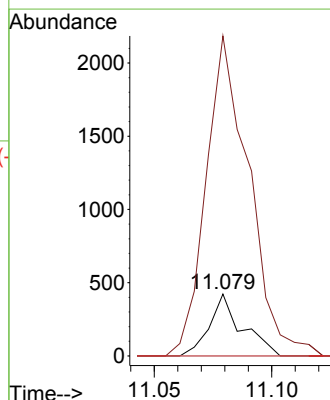
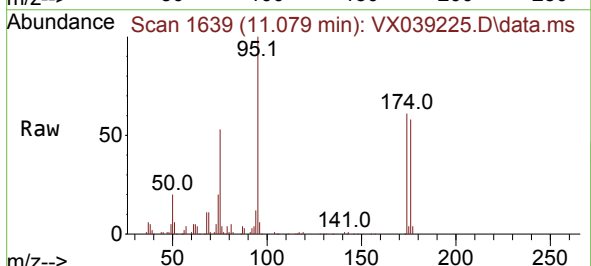
Tgt Ion:173 Resp: 406

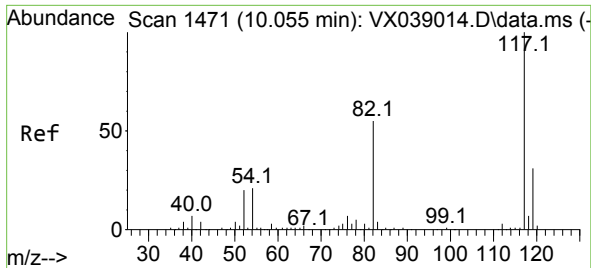
Ion Ratio Lower Upper

173 100

175 685.7 37.6 56.4#

254 0.0 5.8 8.8#

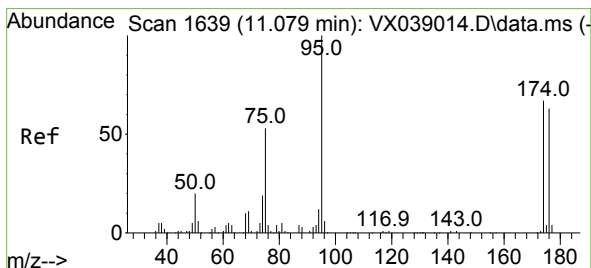
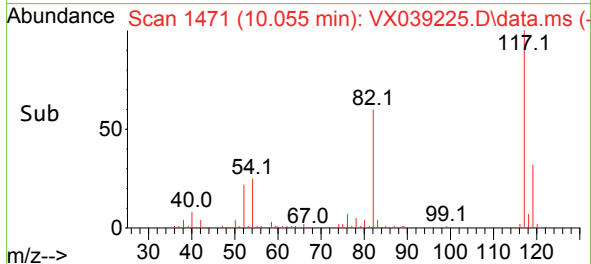
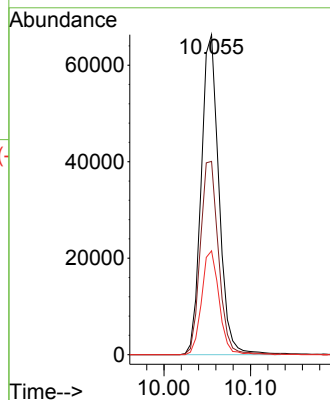
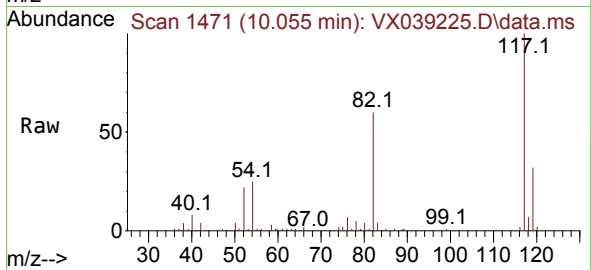




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX039225.D
Acq: 15 Dec 2023 11:33

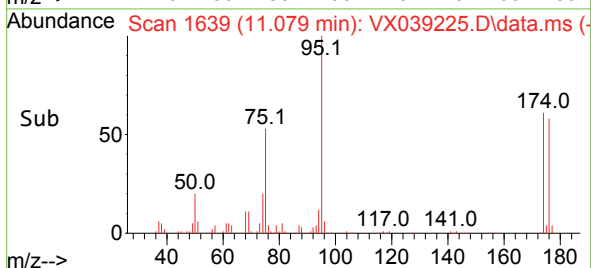
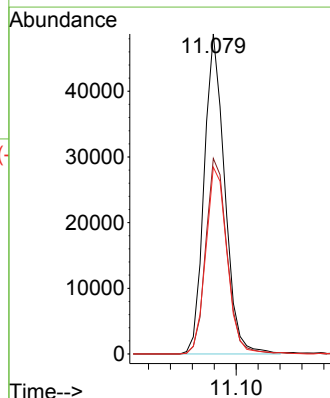
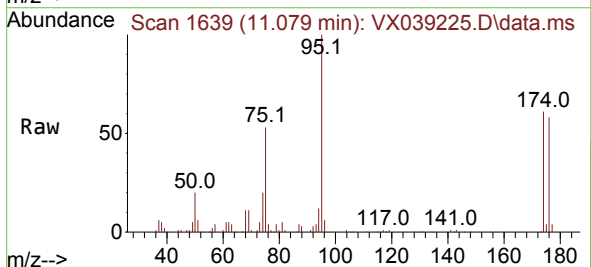
Instrument :
MSVOA_X
ClientSampleId :

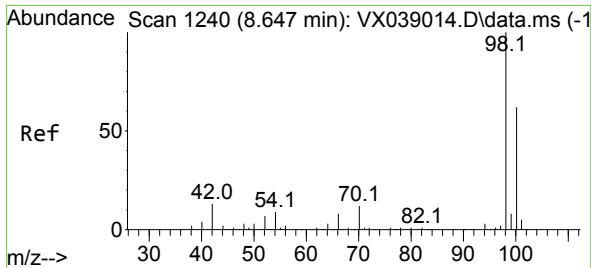
Tgt Ion	Ratio	Lower	Upper
117	100		
82	62.1	47.0	70.6
119	31.7	25.2	37.8



#60
4-Bromofluorobenzene
Concen: 30.776 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX039225.D
Acq: 15 Dec 2023 11:33

Tgt Ion	Ratio	Lower	Upper
95	100		
174	63.0	55.4	83.2
176	60.5	52.6	78.8

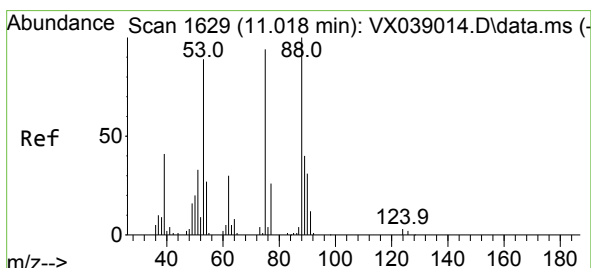
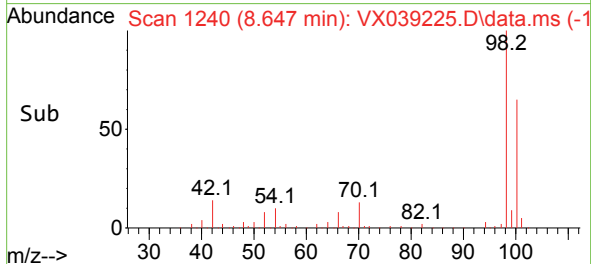
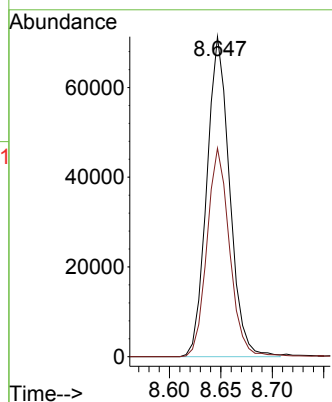
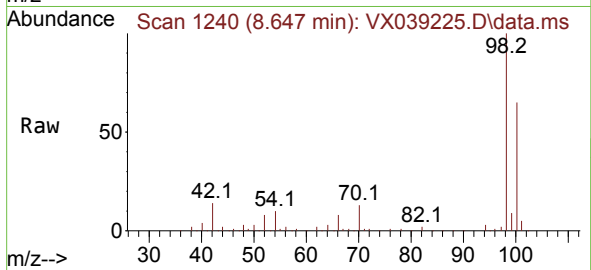




#63
Toluene-d8
Concen: 29.527 ug/l
RT: 8.647 min Scan# 110201
Delta R.T. -0.000 min
Lab File: VX039225.D
Acq: 15 Dec 2023 11:33

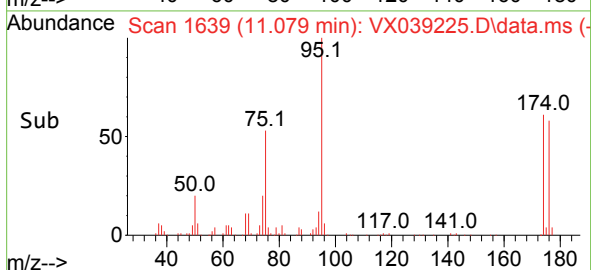
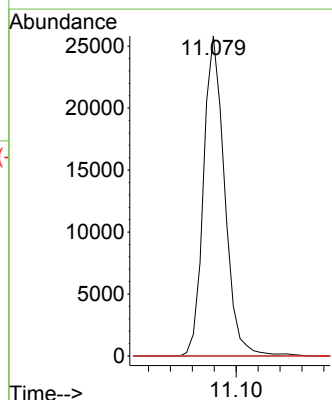
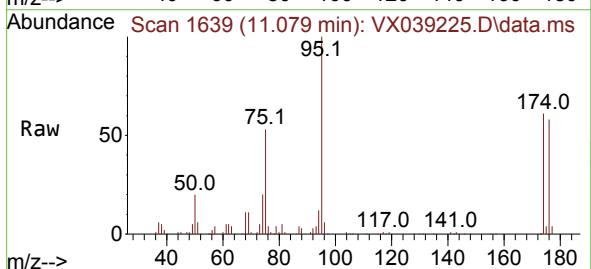
Instrument :
MSVOA_X
ClientSampleId :

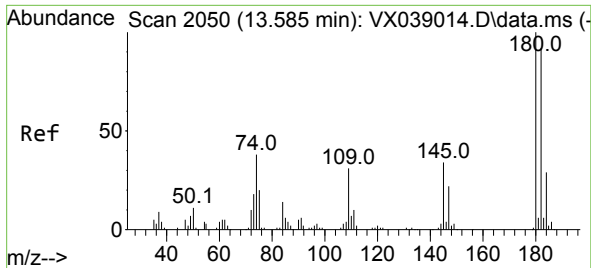
Tgt Ion: 98 Resp: 110201
Ion Ratio Lower Upper
98 100
100 64.6 51.0 76.4



#77
t-1,4-Dichloro-2-butene
Concen: 37.651 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX039225.D
Acq: 15 Dec 2023 11:33

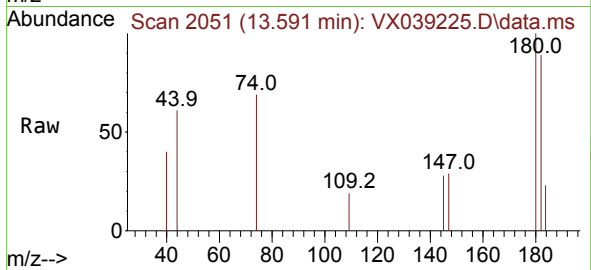
Tgt Ion: 75 Resp: 34444
Ion Ratio Lower Upper
75 100
53 0.0 46.9 140.8#
89 0.0 21.3 63.7#



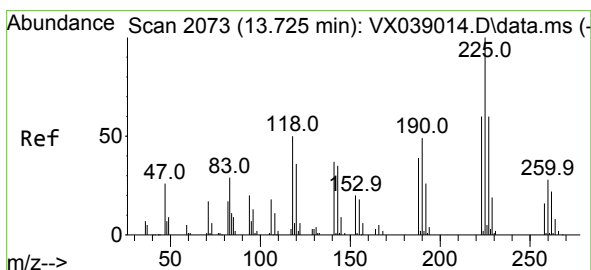
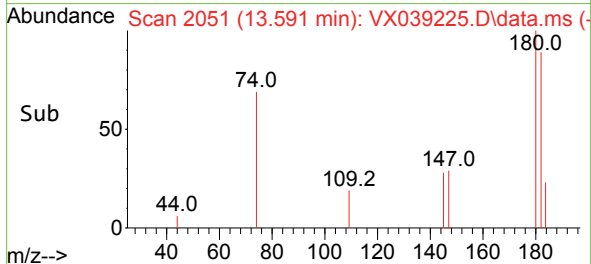
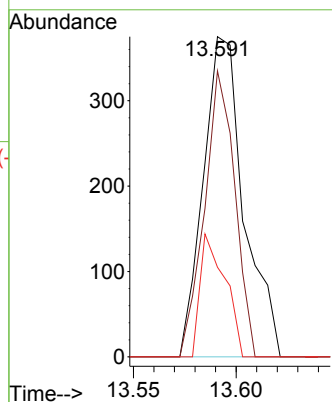


#89
1,2,4-Trichlorobenzene
Concen: 0.254 ug/l
RT: 13.591 min Scan# 2050
Delta R.T. 0.006 min
Lab File: VX039225.D
Acq: 15 Dec 2023 11:33

Instrument :
MSVOA_X
ClientSampleId :

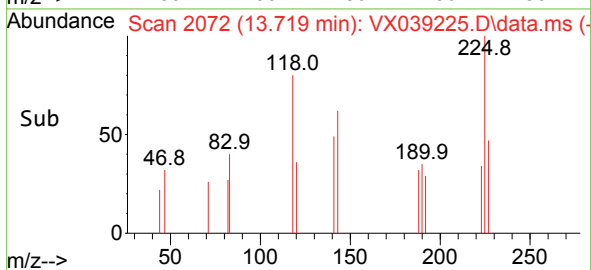
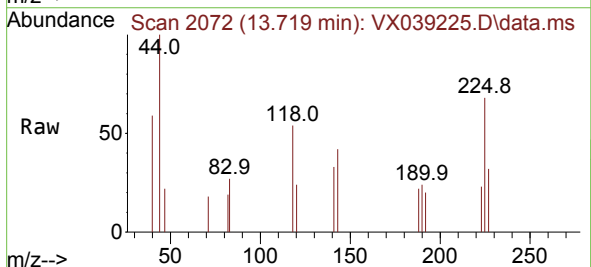
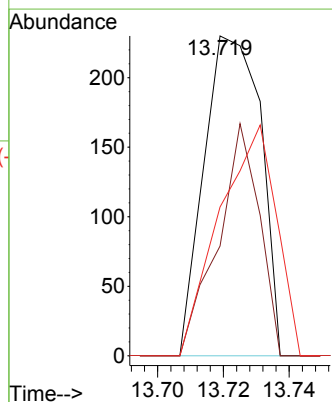


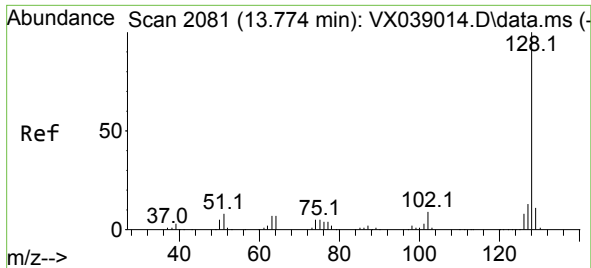
Tgt Ion:180 Resp: 515
Ion Ratio Lower Upper
180 100
182 66.8 74.5 111.7#
145 23.5 26.6 40.0#



#90
Hexachlorobutadiene
Concen: 0.379 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX039225.D
Acq: 15 Dec 2023 11:33

Tgt Ion:225 Resp: 275
Ion Ratio Lower Upper
225 100
223 53.1 0.0 124.4
227 72.4 0.0 124.4





#91

Naphthalene

Concen: 0.350 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

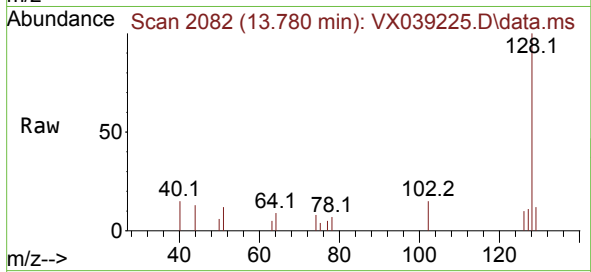
Lab File: VX039225.D

Acq: 15 Dec 2023 11:33

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:128 Resp: 2619

Ion Ratio Lower Upper

128 100

127 11.3 10.2 15.2

129 6.8 8.6 12.8#

