

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121223\
 Data File : VX039155.D
 Acq On : 12 Dec 2023 10:38
 Operator : JC/MD
 Sample : VX1212MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212MBL01

Quant Time: Dec 13 04:12:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 16 22:59:22 2023
 Response via : Initial Calibration

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

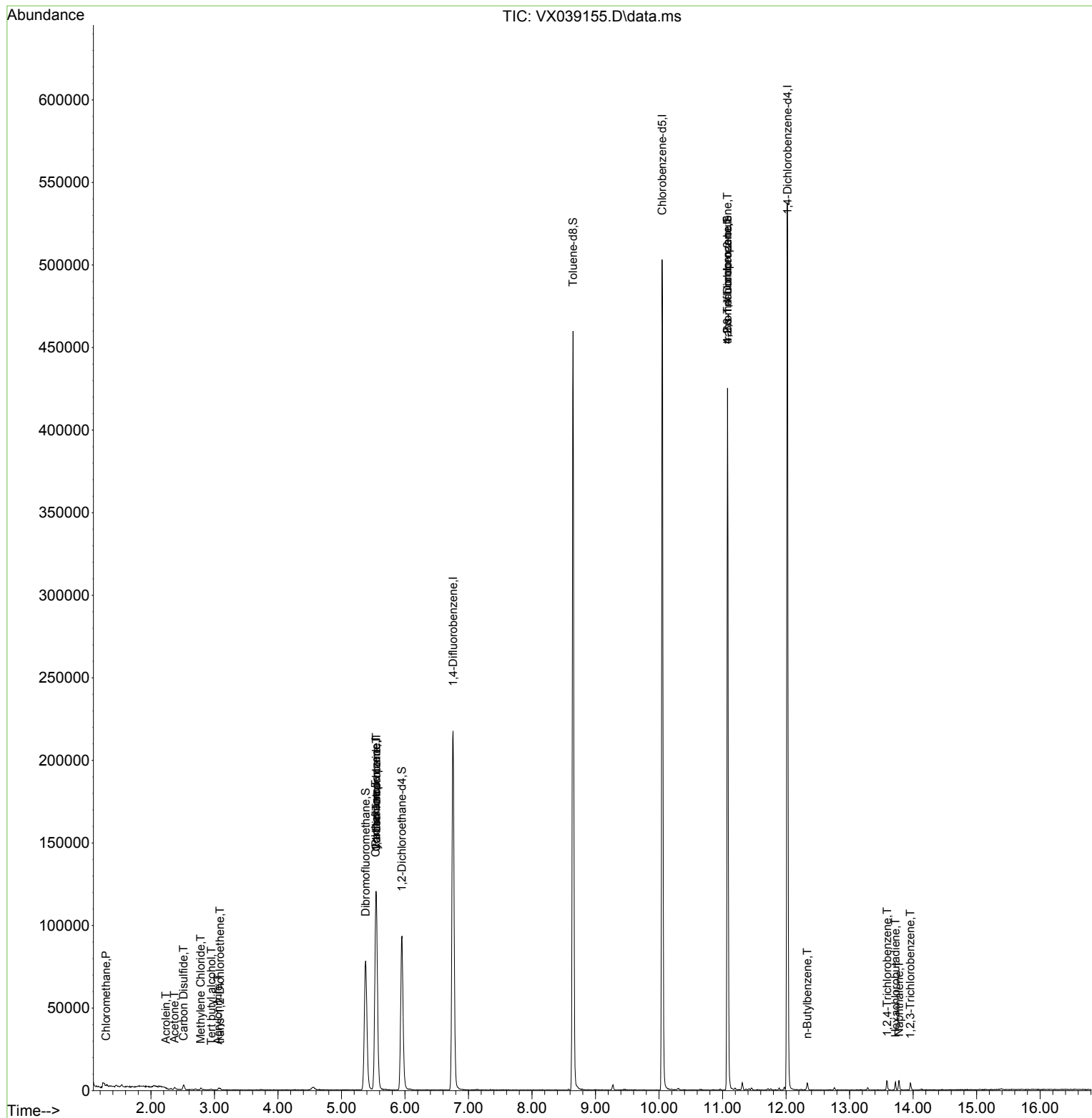
Internal Standards						
1) Pentafluorobenzene	5.544	168	104074	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	213120	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	214969	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	103607	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	89886	53.600	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	107.200%
35) Dibromofluoromethane	5.379	113	68253	44.343	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.680%
50) Toluene-d8	8.647	98	266805	45.305	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	90.620%#
62) 4-Bromofluorobenzene	11.079	95	117360	49.783	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.560%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	585	0.369	ug/l	100
11) Tert butyl alcohol	2.953	59	309	0.662	ug/l #	78
13) Acrolein	2.233	56	216	0.875	ug/l #	73
15) Acrylonitrile	3.056	53	793	0.805	ug/l #	87
16) Acetone	2.367	43	1531	1.715	ug/l #	86
17) Carbon Disulfide	2.514	76	2677	0.666	ug/l #	91
20) Methylene Chloride	2.782	84	482	0.300	ug/l #	83
21) trans-1,2-Dichloroethene	3.087	96	330	0.231	ug/l	93
31) Cyclohexane	5.537	56	3072	1.283	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	10267	4.654	ug/l #	49
38) Carbon Tetrachloride	5.550	117	12236	6.001	ug/l #	14
76) 1,2,3-Trichloropropane	11.079	75	64021	24.767	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	64021	54.935	ug/l #	5
89) n-Butylbenzene	12.335	91	1652	0.233	ug/l	84
93) 1,2,4-Trichlorobenzene	13.591	180	1461	0.647	ug/l	93
94) Hexachlorobutadiene	13.725	225	564	0.705	ug/l	97
95) Naphthalene	13.780	128	4366	0.519	ug/l #	97
96) 1,2,3-Trichlorobenzene	13.957	180	1018	0.476	ug/l	83

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

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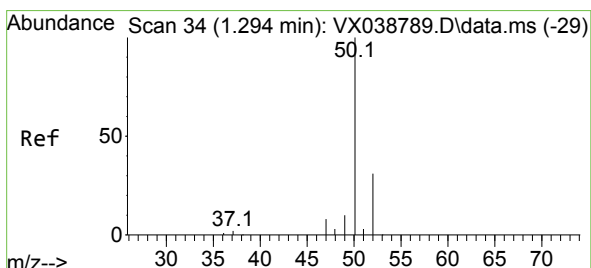
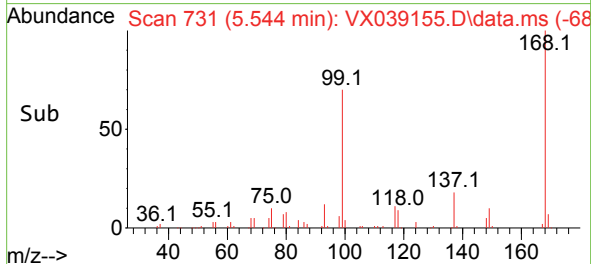
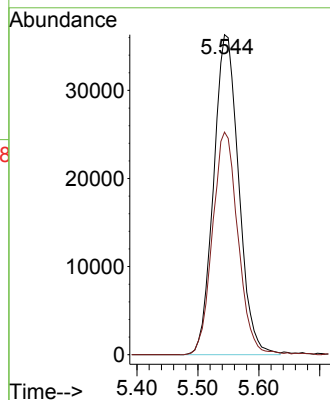
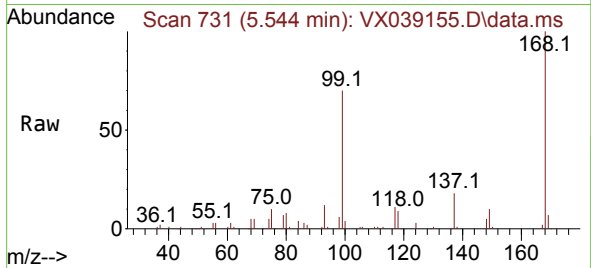




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX039155.D
Acq: 12 Dec 2023 10:38

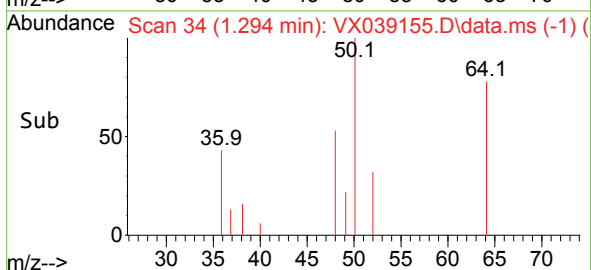
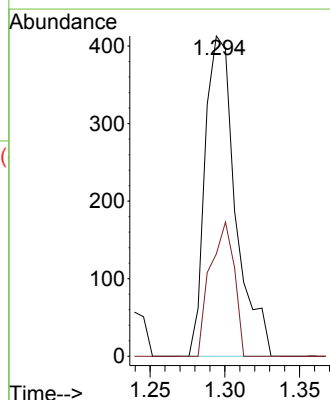
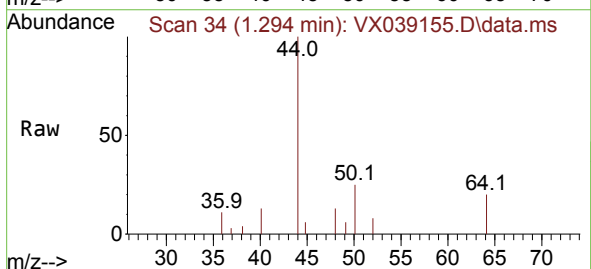
Instrument :
MSVOA_X
ClientSampleId :
VX1212MBL01

Tgt Ion:168 Resp: 104074
Ion Ratio Lower Upper
168 100
99 69.6 56.6 85.0



#3
Chloromethane
Concen: 0.369 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX039155.D
Acq: 12 Dec 2023 10:38

Tgt Ion: 50 Resp: 585
Ion Ratio Lower Upper
50 100
52 32.0 25.5 38.3





#11

Tert butyl alcohol

Concen: 0.662 ug/l

RT: 2.953 min Scan# 306

Delta R.T. -0.000 min

Lab File: VX039155.D

Acq: 12 Dec 2023 10:38

Instrument :

MSVOA_X

ClientSampleId :

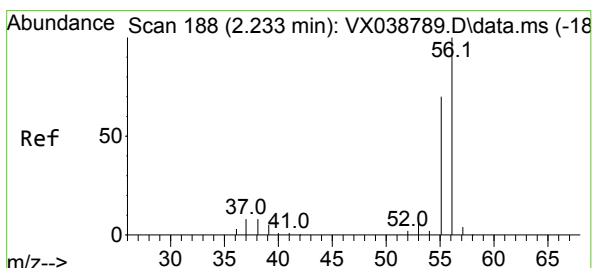
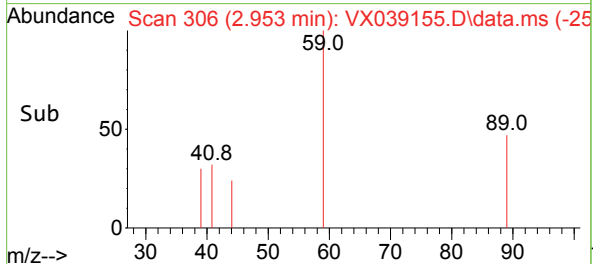
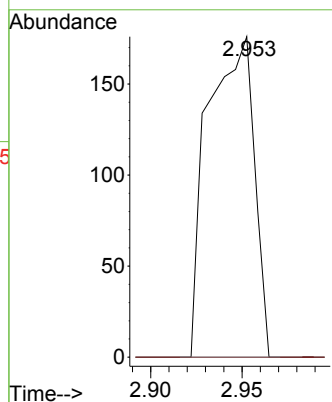
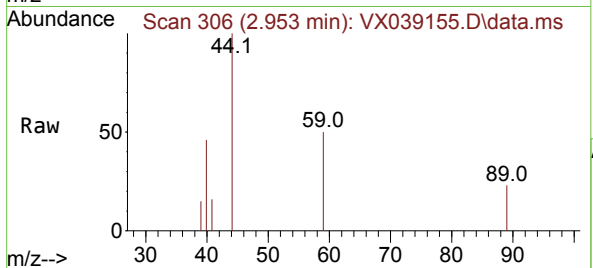
VX1212MBL01

Tgt Ion: 59 Resp: 309

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: 0.875 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.000 min

Lab File: VX039155.D

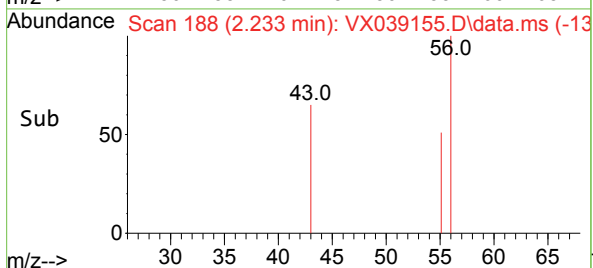
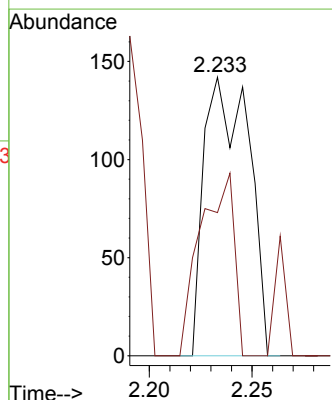
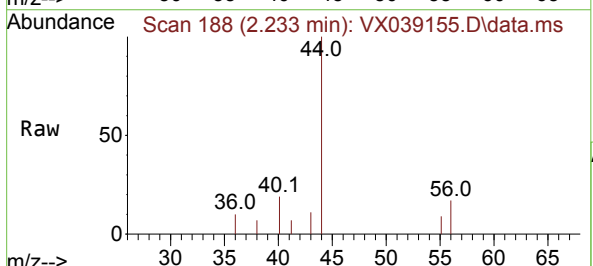
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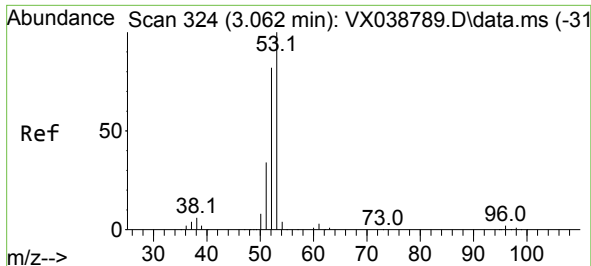
Tgt Ion: 56 Resp: 216

Ion Ratio Lower Upper

56 100

55 49.1 57.1 85.7#

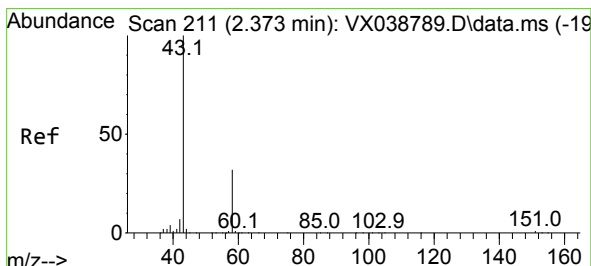
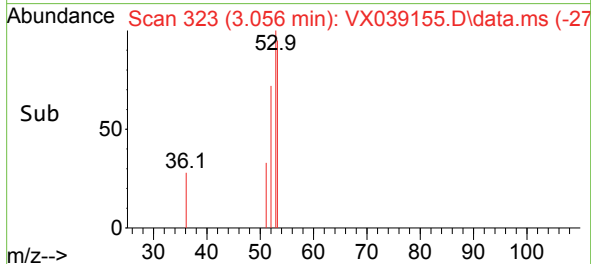
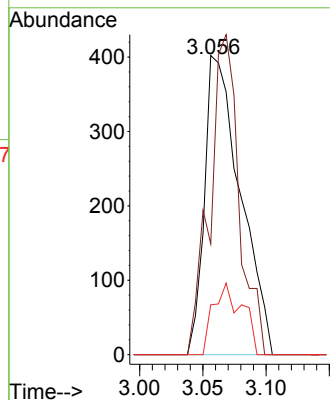
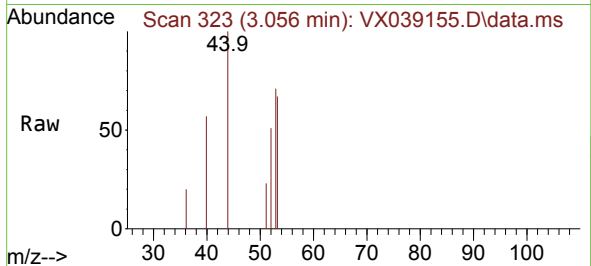




#15
Acrylonitrile
Concen: 0.805 ug/l
RT: 3.056 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX039155.D
Acq: 12 Dec 2023 10:38

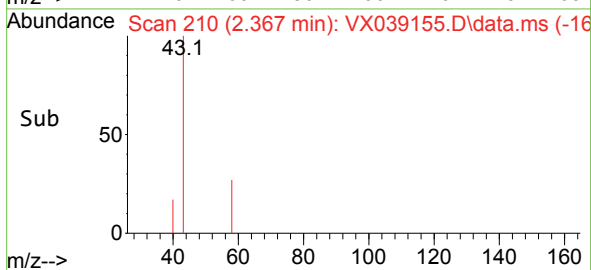
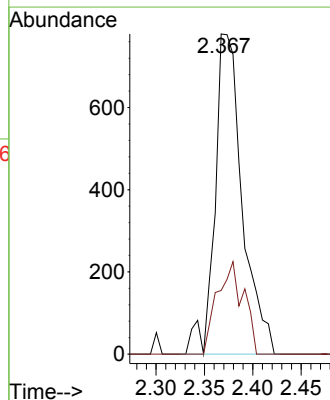
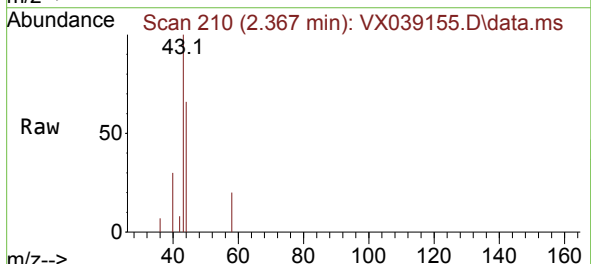
Instrument :
MSVOA_X
ClientSampleId :
VX1212MBL01

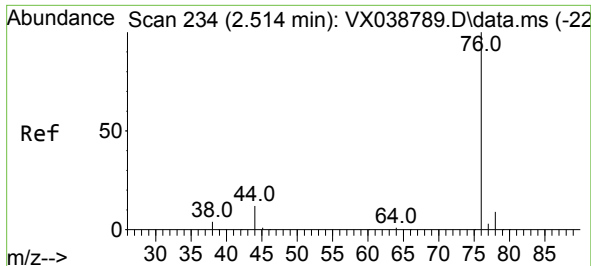
Tgt Ion: 53 Resp: 793
Ion Ratio Lower Upper
53 100
52 87.4 66.0 99.0
51 19.3 29.8 44.6#



#16
Acetone
Concen: 1.715 ug/l
RT: 2.367 min Scan# 210
Delta R.T. -0.006 min
Lab File: VX039155.D
Acq: 12 Dec 2023 10:38

Tgt Ion: 43 Resp: 1531
Ion Ratio Lower Upper
43 100
58 19.9 21.9 32.9#





#17

Carbon Disulfide

Concen: 0.666 ug/l

RT: 2.514 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX039155.D

Acq: 12 Dec 2023 10:38

Instrument :

MSVOA_X

ClientSampleId :

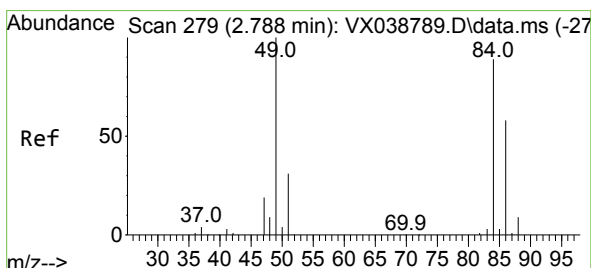
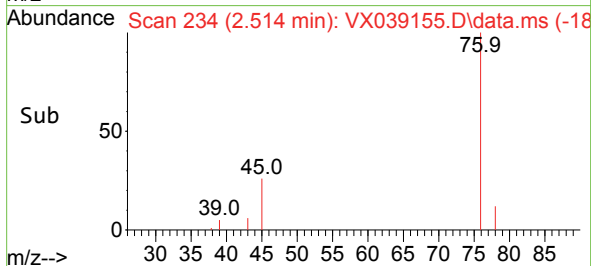
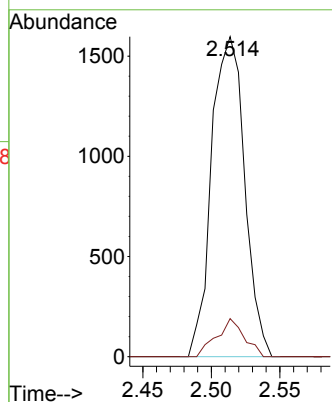
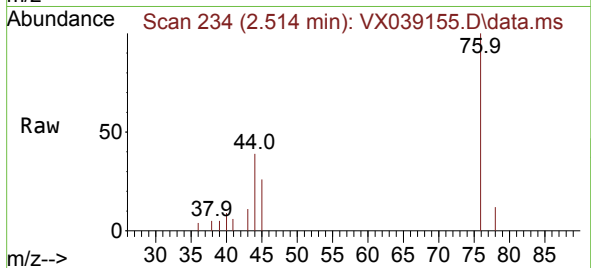
VX1212MBL01

Tgt Ion: 76 Resp: 2677

Ion Ratio Lower Upper

76 100

78 11.9 7.0 10.6#



#20

Methylene Chloride

Concen: 0.300 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.006 min

Lab File: VX039155.D

Acq: 12 Dec 2023 10:38

Tgt Ion: 84 Resp: 482

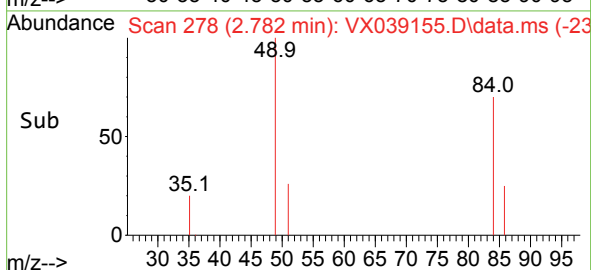
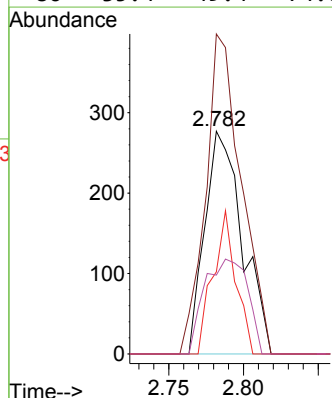
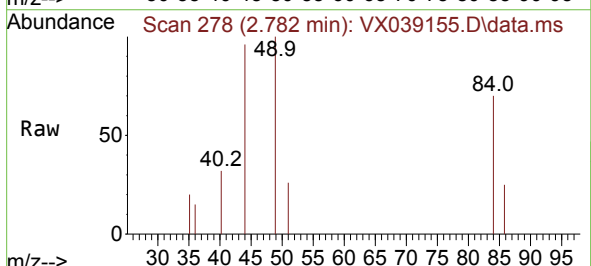
Ion Ratio Lower Upper

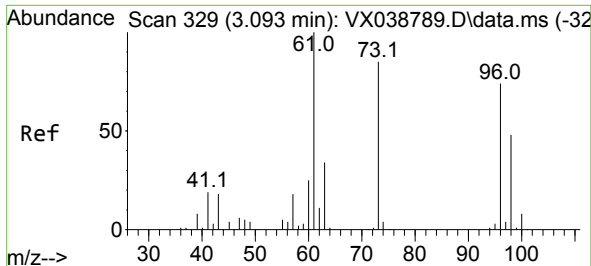
84 100

49 143.7 103.6 155.4

51 36.8 33.8 50.6

86 35.4 49.4 74.0#

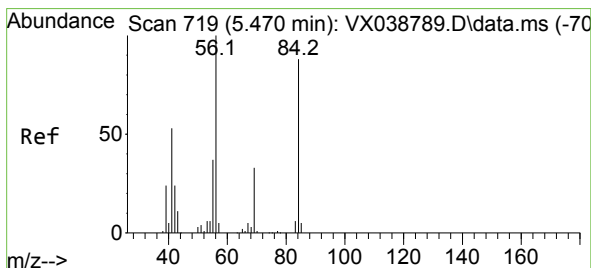
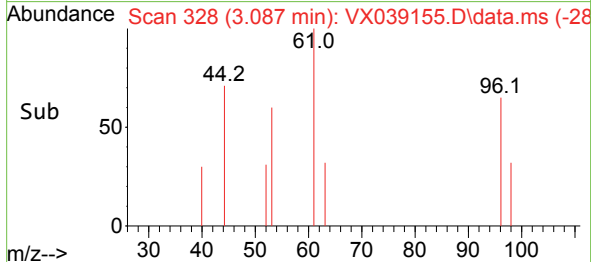
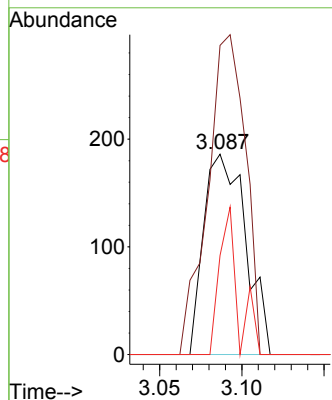
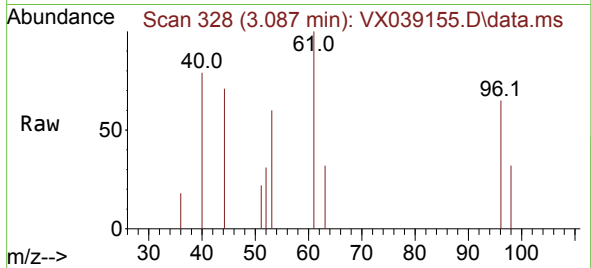




#21
trans-1,2-Dichloroethene
Concen: 0.231 ug/l
RT: 3.087 min Scan# 31
Delta R.T. -0.006 min
Lab File: VX039155.D
Acq: 12 Dec 2023 10:38

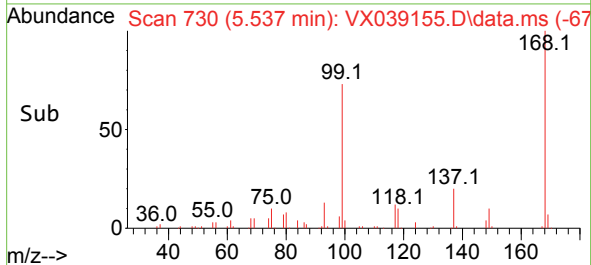
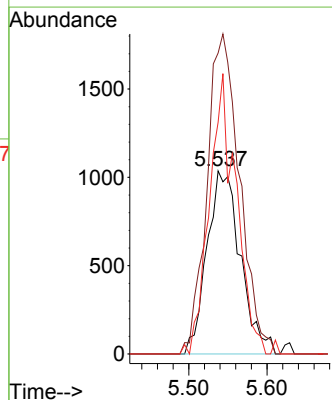
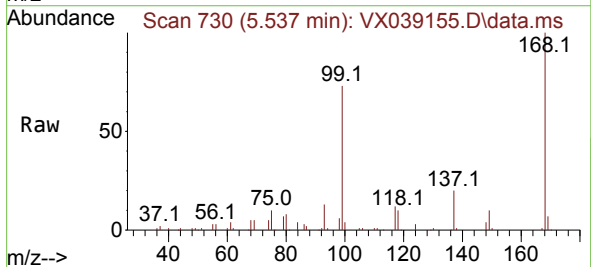
Instrument :
MSVOA_X
ClientSampleId :
VX1212MBL01

Tgt Ion: 96 Resp: 330
Ion Ratio Lower Upper
96 100
61 154.3 119.2 178.8
98 49.5 48.7 73.1



#31
Cyclohexane
Concen: 1.283 ug/l
RT: 5.537 min Scan# 730
Delta R.T. 0.067 min
Lab File: VX039155.D
Acq: 12 Dec 2023 10:38

Tgt Ion: 56 Resp: 3072
Ion Ratio Lower Upper
56 100
69 164.3 23.4 35.2#
84 126.5 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 53.600 ug/l

RT: 5.952 min Scan# 79

Delta R.T. -0.006 min

Lab File: VX039155.D

Acq: 12 Dec 2023 10:38

Instrument :

MSVOA_X

ClientSampleId :

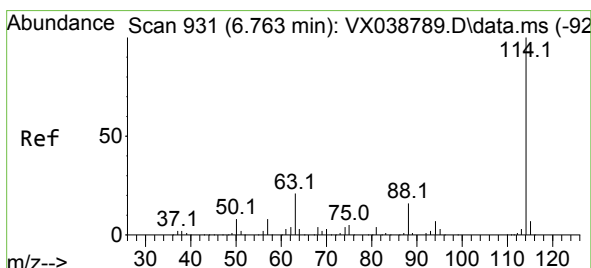
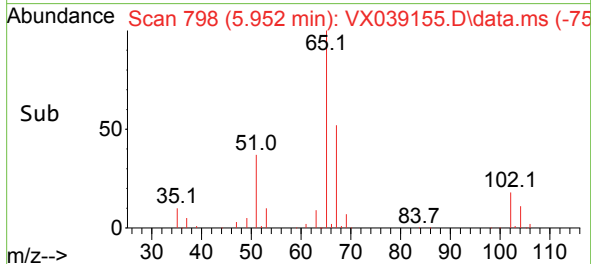
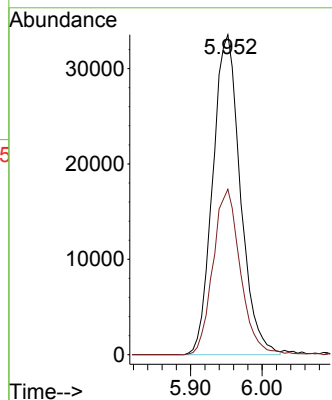
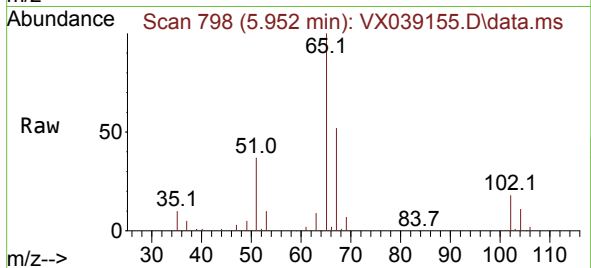
VX1212MBL01

Tgt Ion: 65 Resp: 89886

Ion Ratio Lower Upper

65 100

67 51.4 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX039155.D

Acq: 12 Dec 2023 10:38

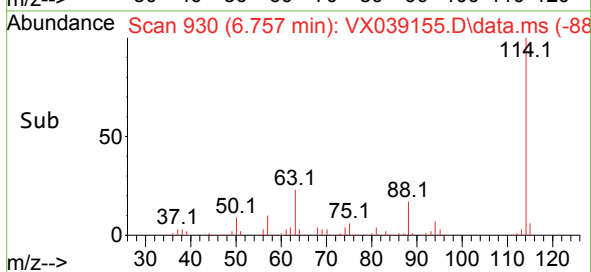
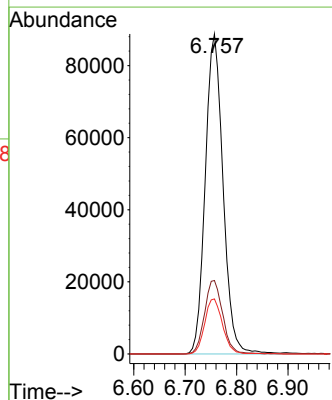
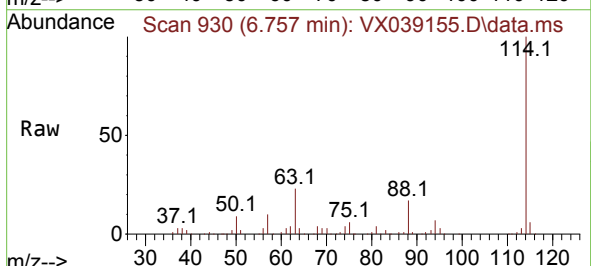
Tgt Ion: 114 Resp: 213120

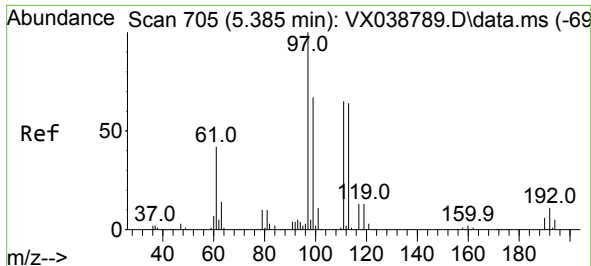
Ion Ratio Lower Upper

114 100

63 22.9 0.0 45.0

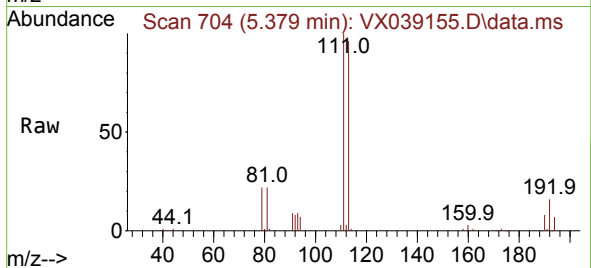
88 17.2 0.0 36.6



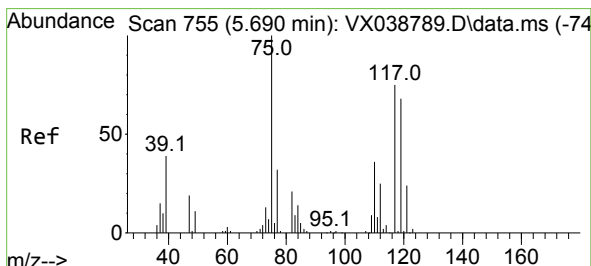
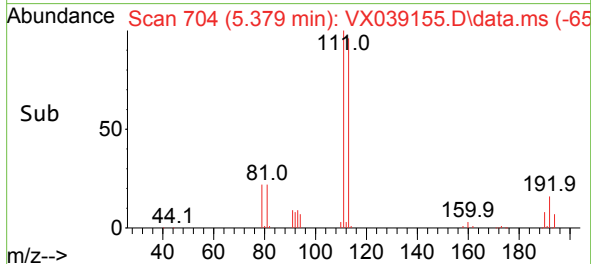
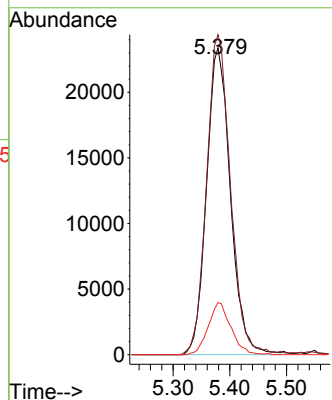


#35
Dibromofluoromethane
Concen: 44.343 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX039155.D
Acq: 12 Dec 2023 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX1212MBL01

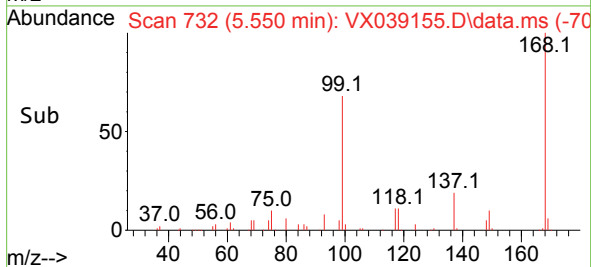
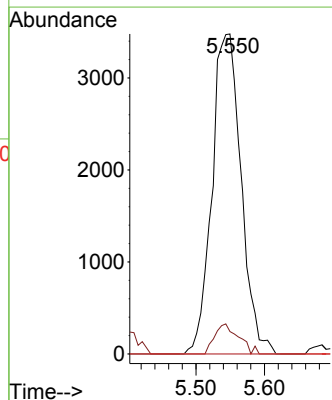
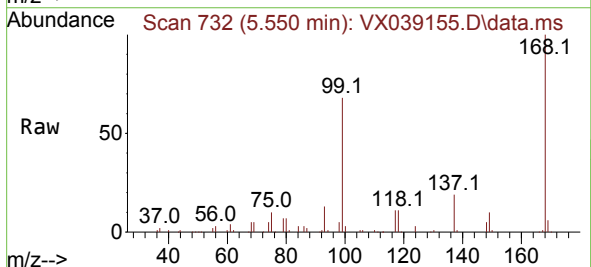


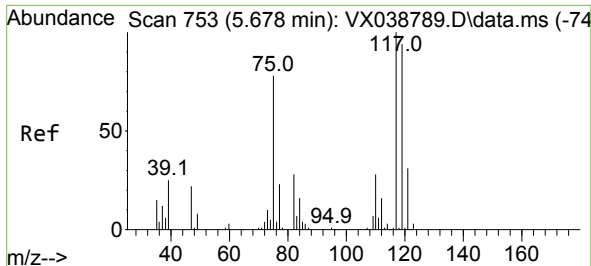
Tgt Ion:113 Resp: 68253
Ion Ratio Lower Upper
113 100
111 104.4 82.9 124.3
192 16.2 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.654 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX039155.D
Acq: 12 Dec 2023 10:38

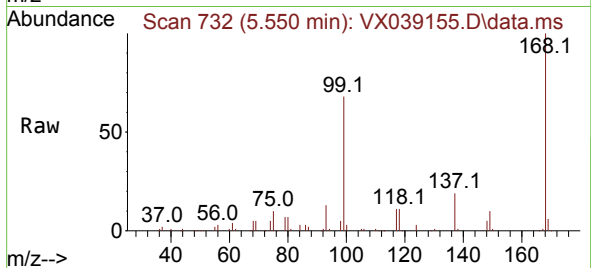
Tgt Ion: 75 Resp: 10267
Ion Ratio Lower Upper
75 100
110 7.8 17.0 50.9#
77 0.0 24.7 37.1#



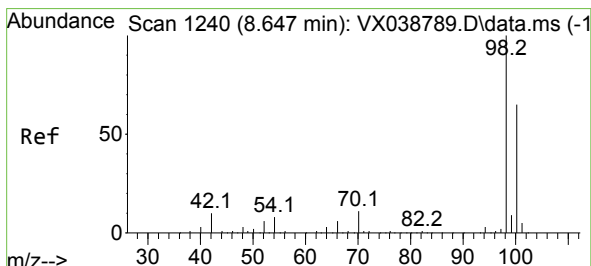
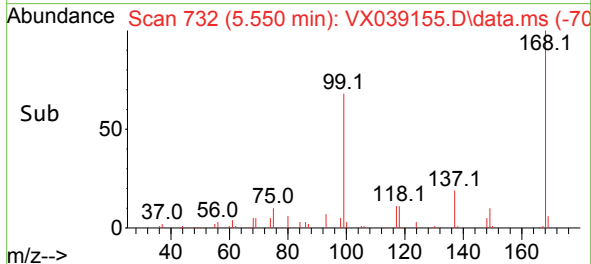
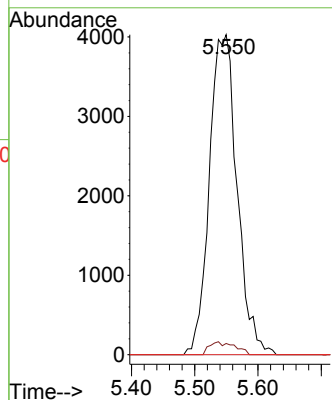


#38
Carbon Tetrachloride
Concen: 6.001 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX039155.D
Acq: 12 Dec 2023 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX1212MBL01

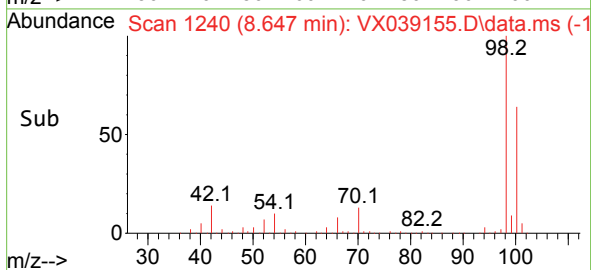
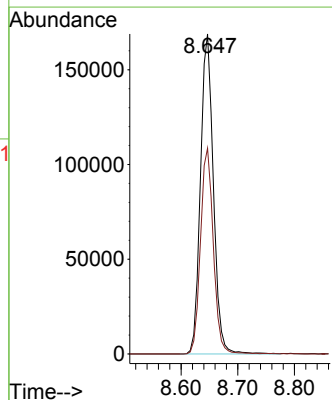
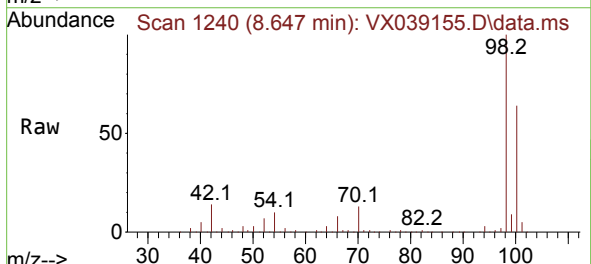


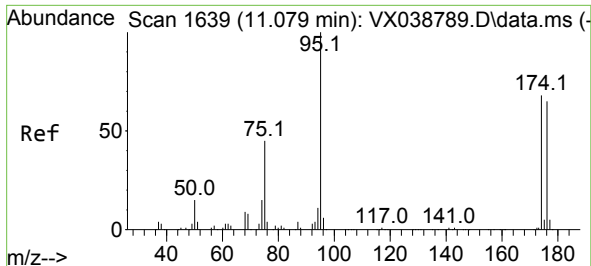
Tgt Ion:117 Resp: 12236
Ion Ratio Lower Upper
117 100
119 3.5 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 45.305 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX039155.D
Acq: 12 Dec 2023 10:38

Tgt Ion: 98 Resp: 266805
Ion Ratio Lower Upper
98 100
100 64.0 53.1 79.7

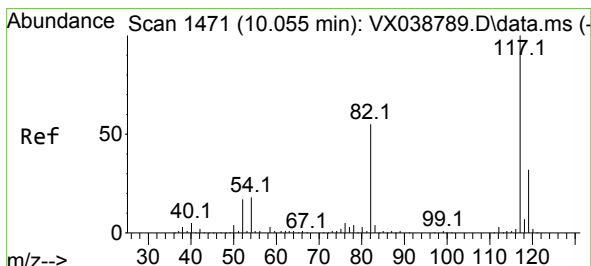
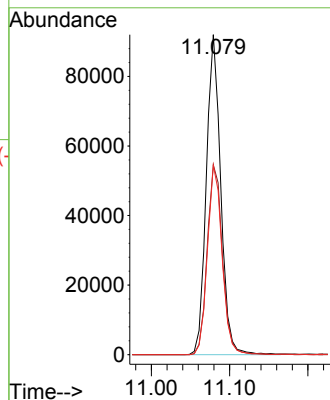
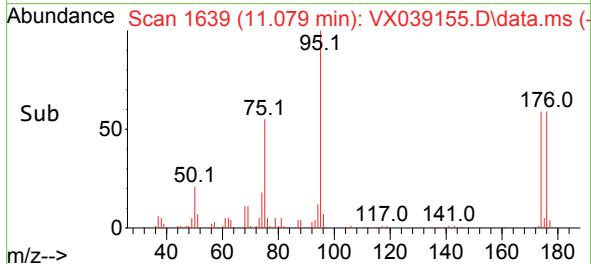
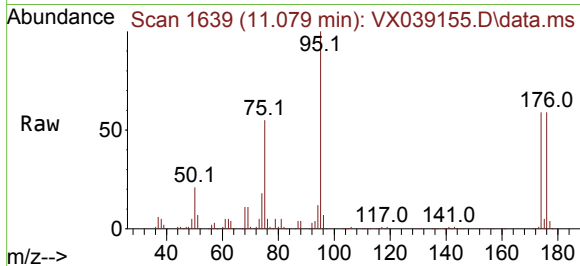




#62
4-Bromofluorobenzene
Concen: 49.783 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX039155.D
Acq: 12 Dec 2023 10:38

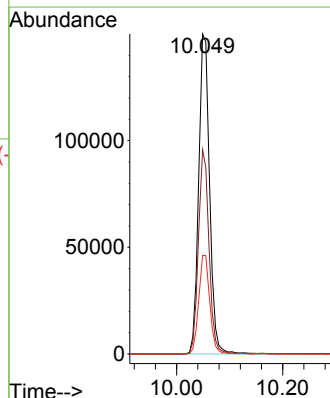
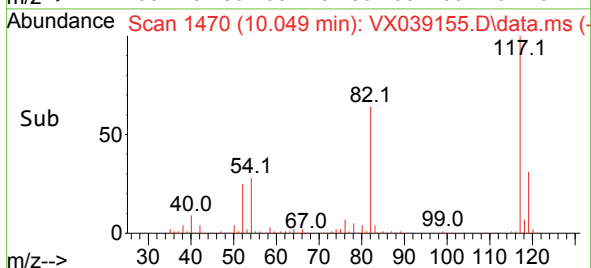
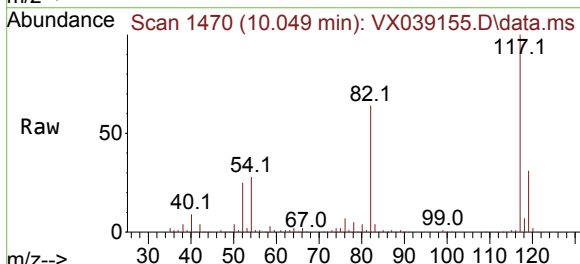
Instrument :
MSVOA_X
ClientSampleId :
VX1212MBL01

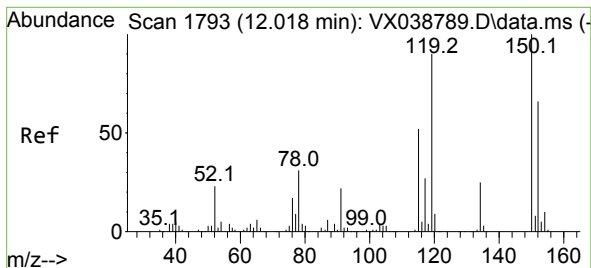
Tgt Ion: 95 Resp: 117360
Ion Ratio Lower Upper
95 100
174 62.6 0.0 135.6
176 60.2 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.006 min
Lab File: VX039155.D
Acq: 12 Dec 2023 10:38

Tgt Ion: 117 Resp: 214969
Ion Ratio Lower Upper
117 100
82 63.8 46.2 69.4
119 30.8 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX039155.D

Acq: 12 Dec 2023 10:38

Instrument :

MSVOA_X

ClientSampleId :

VX1212MBL01

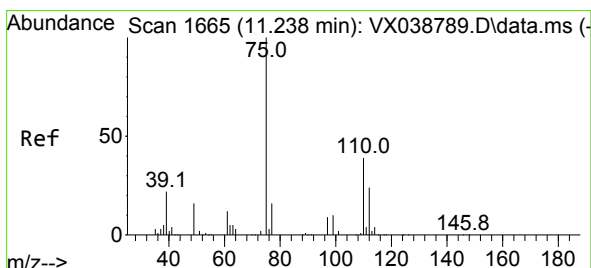
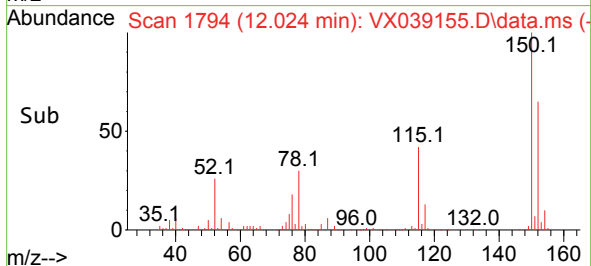
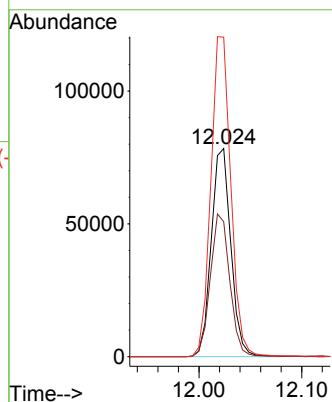
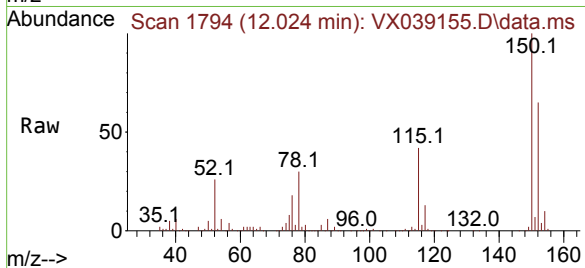
Tgt Ion:152 Resp: 103607

Ion Ratio Lower Upper

152 100

115 68.4 43.3 129.9

150 157.5 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 24.767 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX039155.D

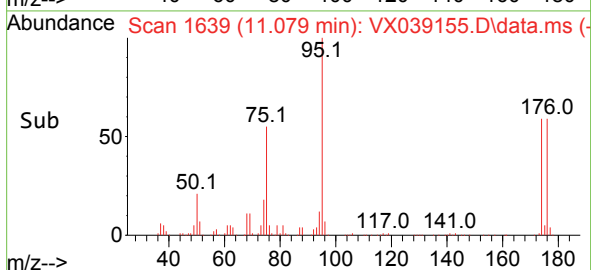
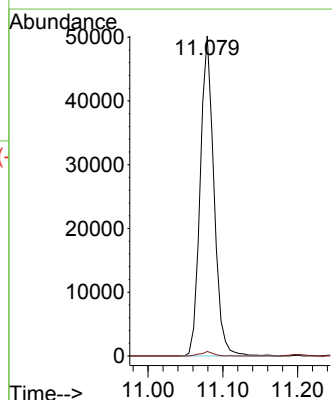
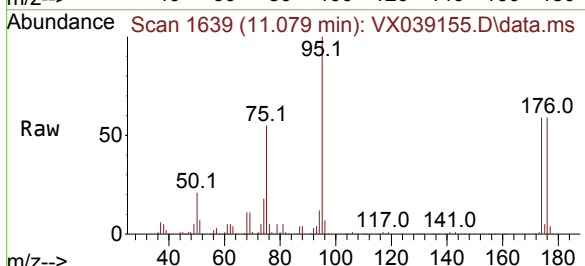
Acq: 12 Dec 2023 10:38

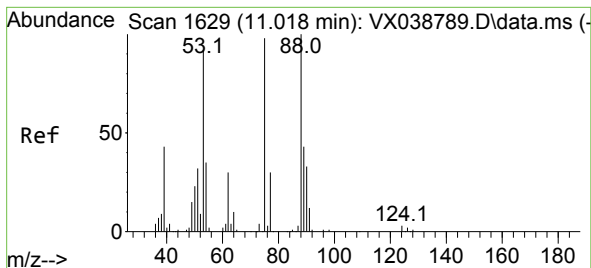
Tgt Ion: 75 Resp: 64021

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#

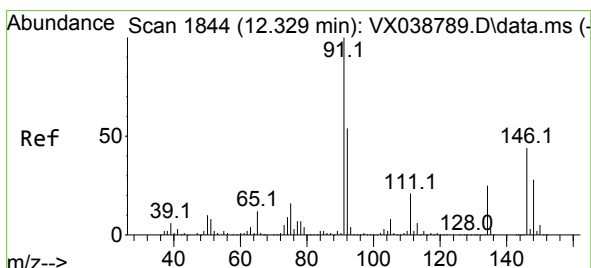
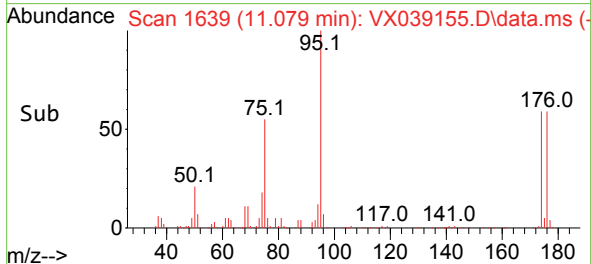
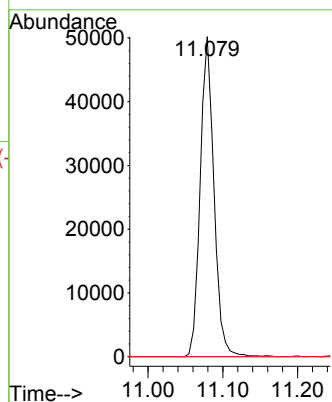
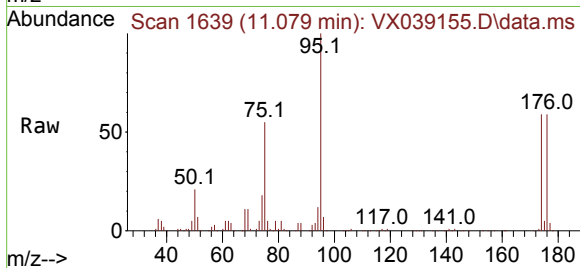




#81
trans-1,4-Dichloro-2-butene
Concen: 54.935 ug/l
RT: 11.079 min Scan# 1629
Delta R.T. 0.061 min
Lab File: VX039155.D
Acq: 12 Dec 2023 10:38

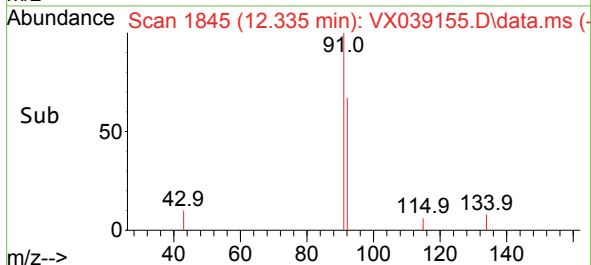
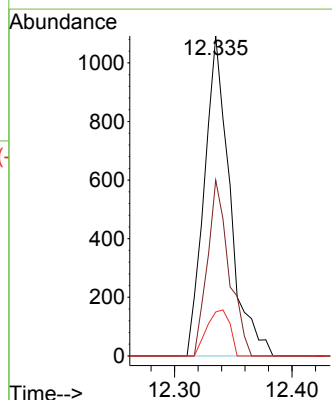
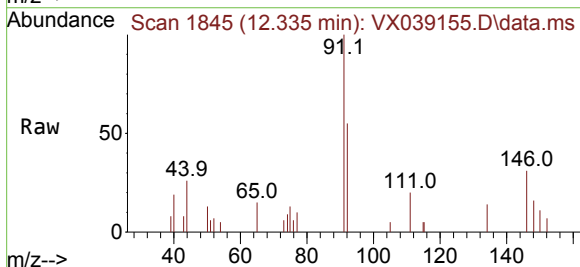
Instrument :
MSVOA_X
ClientSampleId :
VX1212MBL01

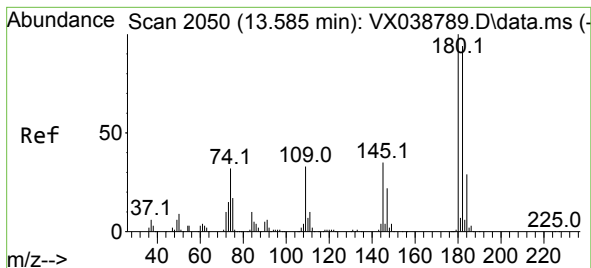
Tgt Ion: 75 Resp: 64021
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#89
n-Butylbenzene
Concen: 0.233 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX039155.D
Acq: 12 Dec 2023 10:38

Tgt Ion: 91 Resp: 1652
Ion Ratio Lower Upper
91 100
92 46.3 27.4 82.0
134 12.9 12.6 37.8





#93

1,2,4-Trichlorobenzene

Concen: 0.647 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX039155.D

Acq: 12 Dec 2023 10:38

Instrument :

MSVOA_X

ClientSampleId :

VX1212MBL01

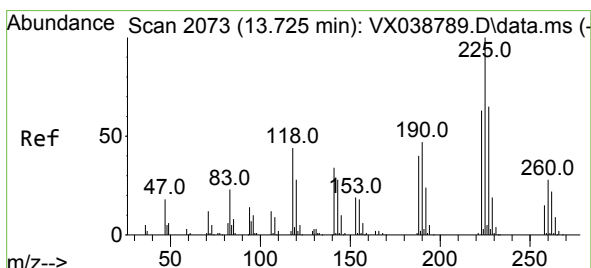
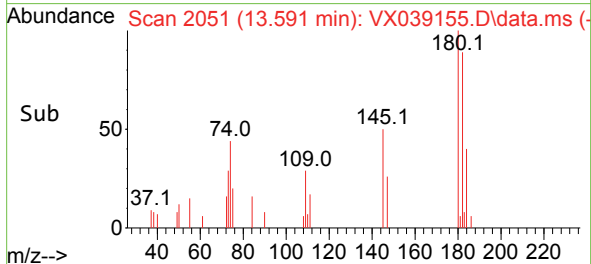
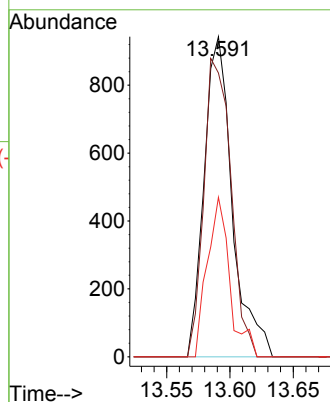
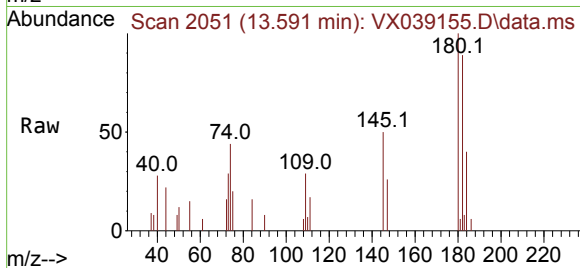
Tgt Ion:180 Resp: 1461

Ion Ratio Lower Upper

180 100

182 89.9 48.3 144.8

145 39.8 18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.705 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX039155.D

Acq: 12 Dec 2023 10:38

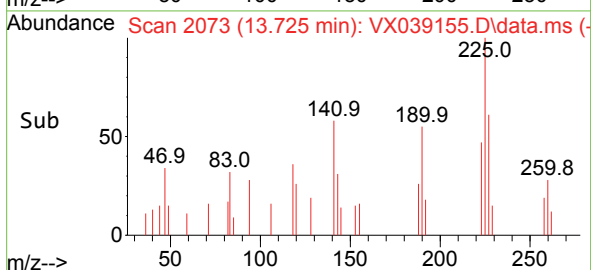
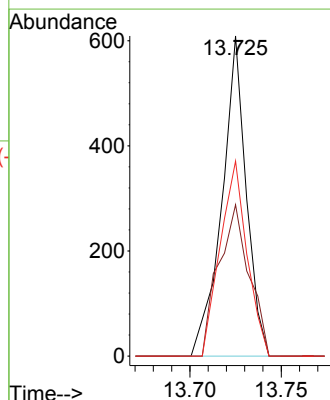
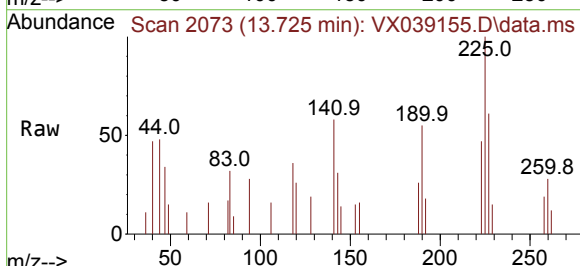
Tgt Ion:225 Resp: 564

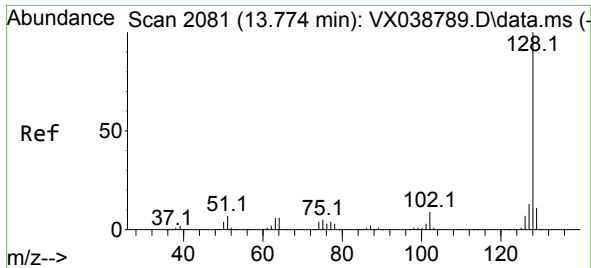
Ion Ratio Lower Upper

225 100

223 59.4 31.1 93.2

227 67.2 32.5 97.5

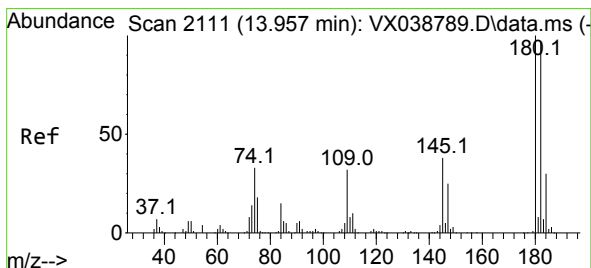
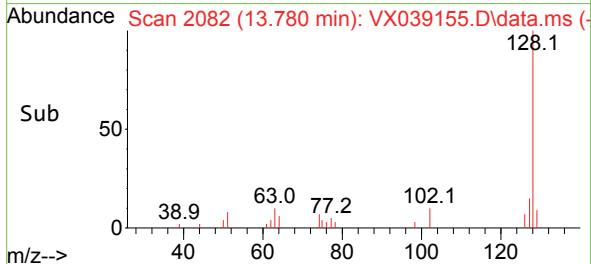
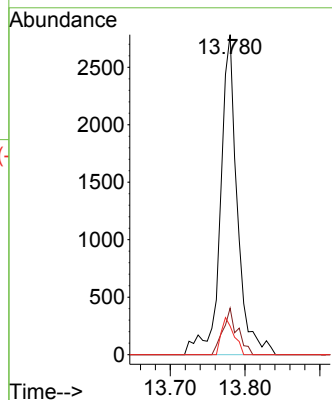
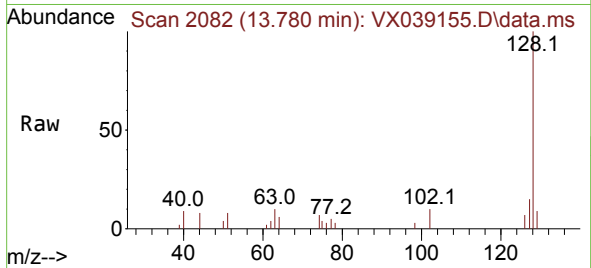




#95
Naphthalene
Concen: 0.519 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX039155.D
Acq: 12 Dec 2023 10:38

Instrument :
MSVOA_X
ClientSampleId :
VX1212MBL01

Tgt Ion:128 Resp: 4366
Ion Ratio Lower Upper
128 100
127 12.5 10.3 15.5
129 8.6 8.8 13.2#



#96
1,2,3-Trichlorobenzene
Concen: 0.476 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX039155.D
Acq: 12 Dec 2023 10:38

Tgt Ion:180 Resp: 1018
Ion Ratio Lower Upper
180 100
182 115.0 46.9 140.6
145 38.7 17.8 53.5

