

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112223\
 Data File : VX039004.D
 Acq On : 22 Nov 2023 15:46
 Operator : JC/MD
 Sample : 05407-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-01-20231114

Quant Time: Nov 23 01:34:29 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)

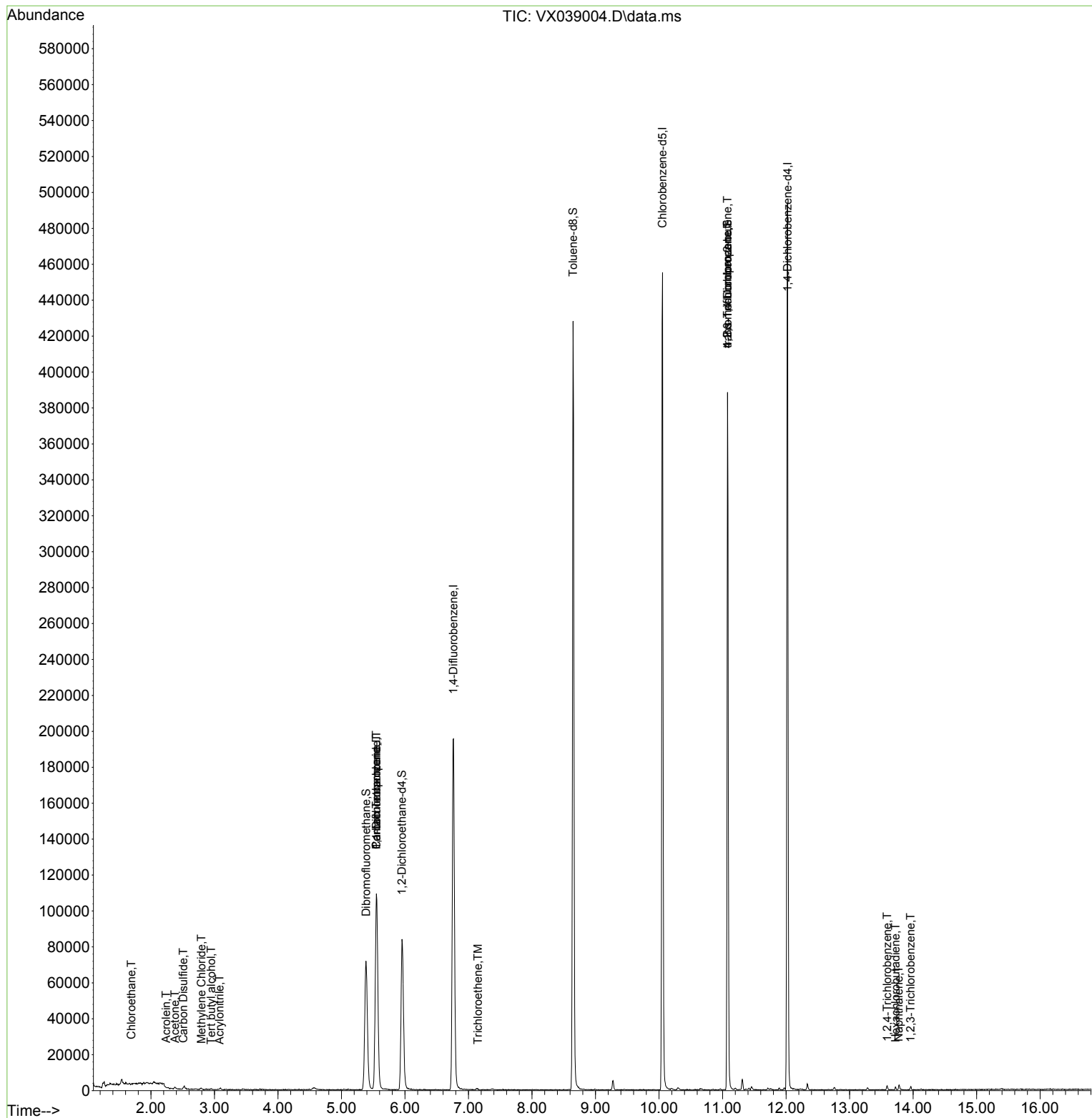
Internal Standards						
1) Pentafluorobenzene	5.550	168	94797	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	197251	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	200203	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99312	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	80619	52.778	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 105.560%		
35) Dibromofluoromethane	5.385	113	63177	44.347	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 88.700%		
50) Toluene-d8	8.647	98	251968	46.228	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 92.460%		
62) 4-Bromofluorobenzene	11.079	95	106061	48.609	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 97.220%		
Target Compounds						
					Qvalue	
6) Chloroethane	1.691	64	196	0.247	ug/l #	43
11) Tert butyl alcohol	2.947	59	324	0.763	ug/l	96
13) Acrolein	2.239	56	251	1.117	ug/l #	59
15) Acrylonitrile	3.081	53	307	0.342	ug/l #	85
16) Acetone	2.380	43	1347	1.657	ug/l	97
17) Carbon Disulfide	2.508	76	1270	0.347	ug/l	98
20) Methylene Chloride	2.794	84	454	0.310	ug/l #	60
36) 1,1-Dichloropropene	5.550	75	9550	4.677	ug/l #	49
38) Carbon Tetrachloride	5.550	117	10905	5.779	ug/l #	13
44) Trichloroethene	7.147	130	353	0.240	ug/l	94
76) 1,2,3-Trichloropropane	11.079	75	57293	23.122	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	57293	51.288	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.591	180	615	0.284	ug/l	93
94) Hexachlorobutadiene	13.725	225	284	0.371	ug/l	84
95) Naphthalene	13.774	128	2106	0.261	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	509	0.248	ug/l	93

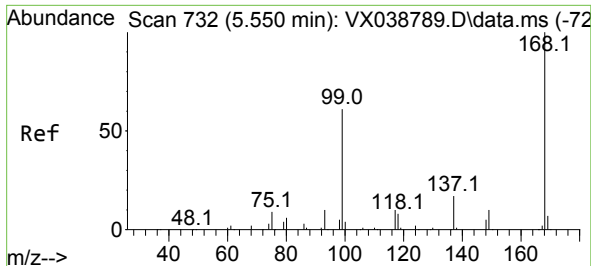
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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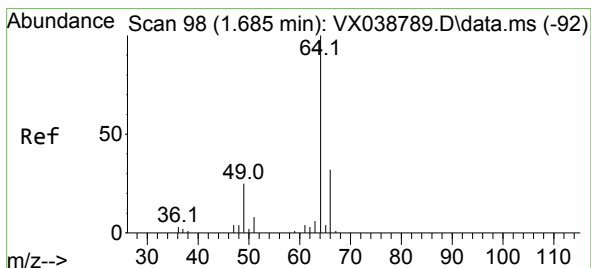
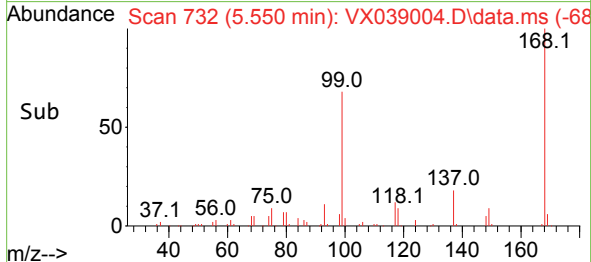
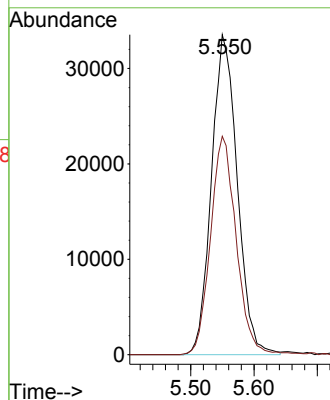
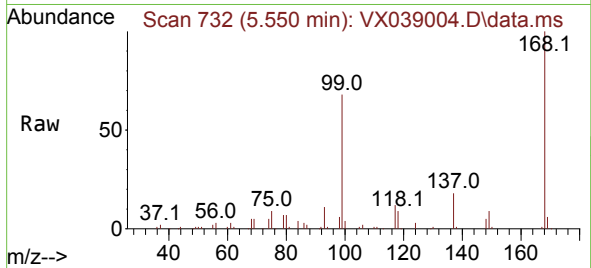




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039004.D
Acq: 22 Nov 2023 15:46

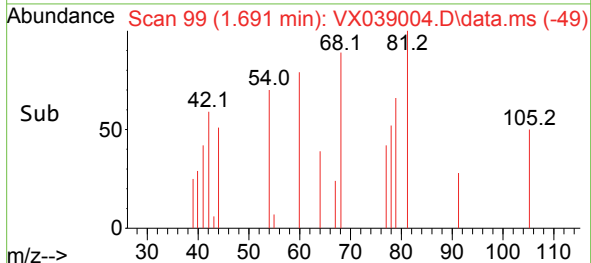
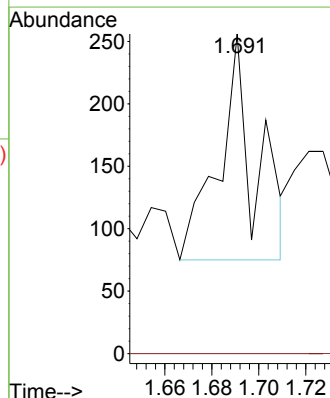
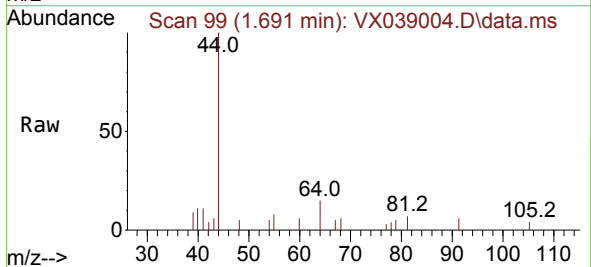
Instrument :
MSVOA_X
ClientSampleId :
DUP-01-20231114

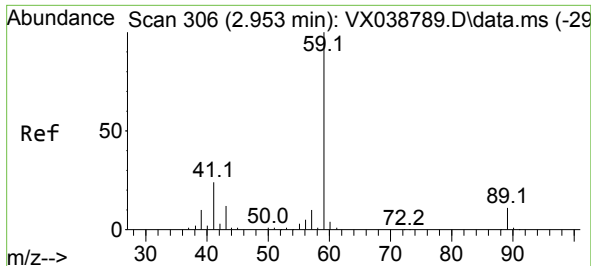
Tgt Ion:168 Resp: 94797
Ion Ratio Lower Upper
168 100
99 68.2 56.6 85.0



#6
Chloroethane
Concen: 0.247 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.006 min
Lab File: VX039004.D
Acq: 22 Nov 2023 15:46

Tgt Ion: 64 Resp: 196
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 0.763 ug/l

RT: 2.947 min Scan# 306

Delta R.T. -0.006 min

Lab File: VX039004.D

Acq: 22 Nov 2023 15:46

Instrument :

MSVOA_X

ClientSampleId :

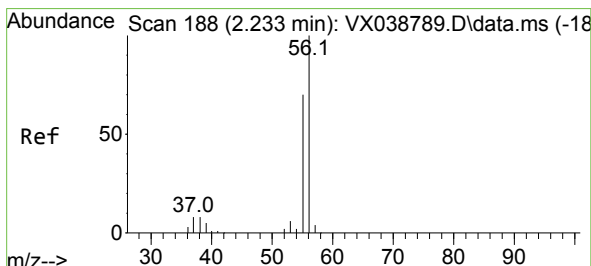
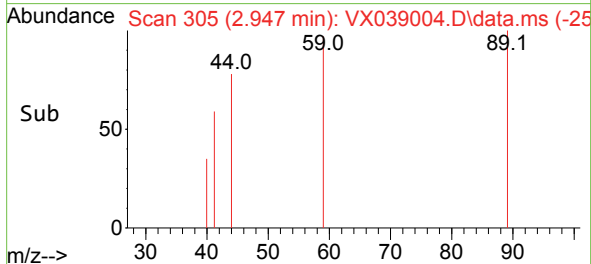
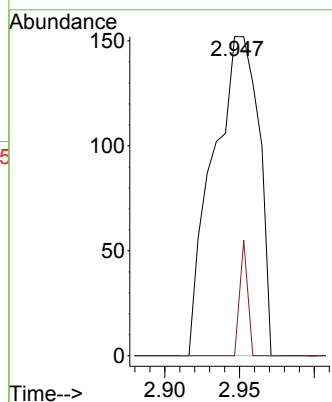
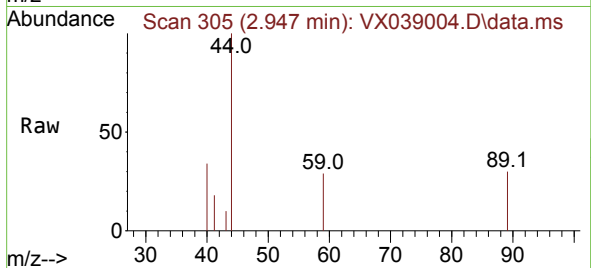
DUP-01-20231114

Tgt Ion: 59 Resp: 324

Ion Ratio Lower Upper

59 100

57 6.2 6.0 9.0



#13

Acrolein

Concen: 1.117 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.006 min

Lab File: VX039004.D

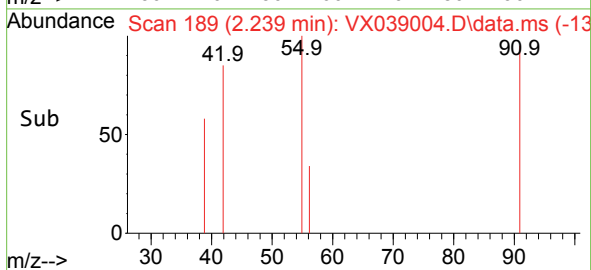
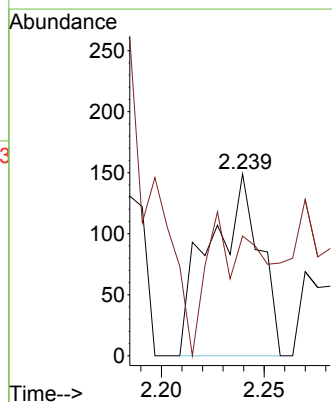
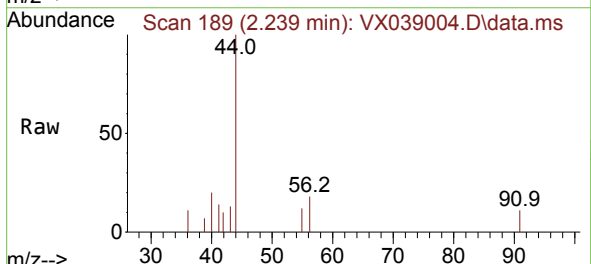
Acq: 22 Nov 2023 15:46

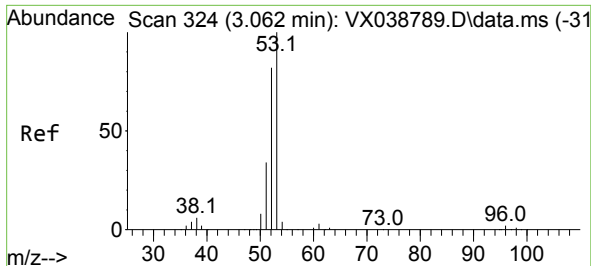
Tgt Ion: 56 Resp: 251

Ion Ratio Lower Upper

56 100

55 37.1 57.1 85.7#

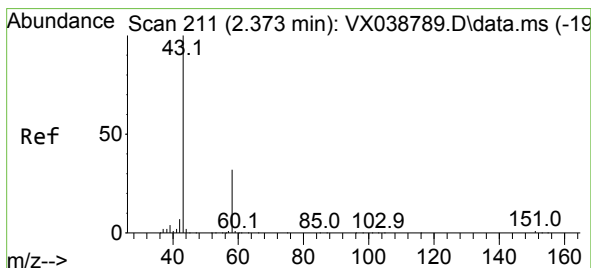
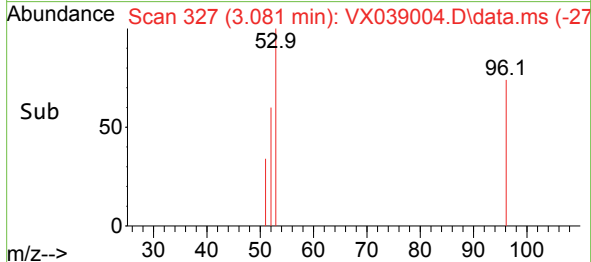
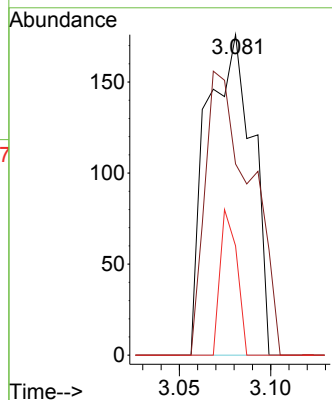
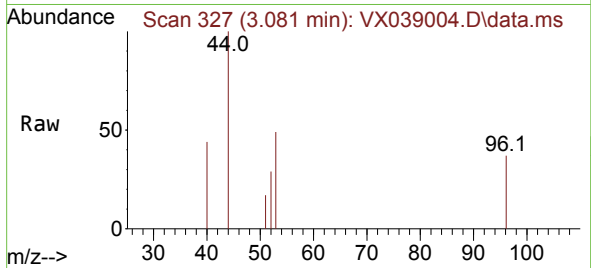




#15
Acrylonitrile
Concen: 0.342 ug/l
RT: 3.081 min Scan# 31
Delta R.T. 0.018 min
Lab File: VX039004.D
Acq: 22 Nov 2023 15:46

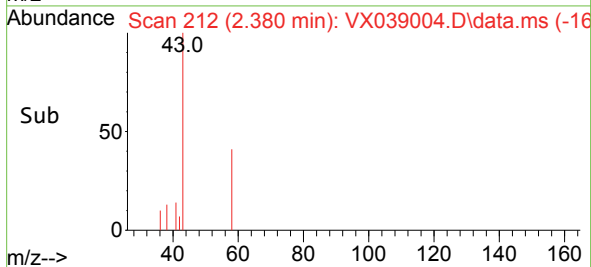
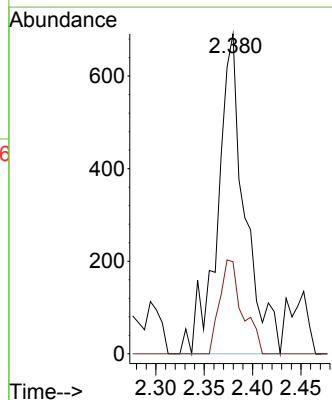
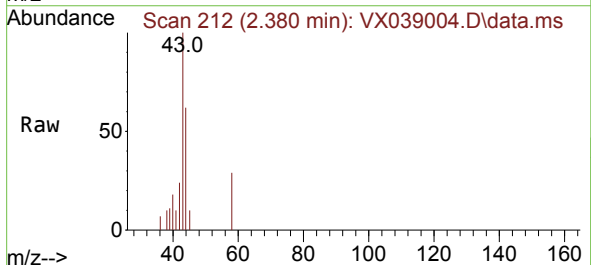
Instrument :
MSVOA_X
ClientSampleId :
DUP-01-20231114

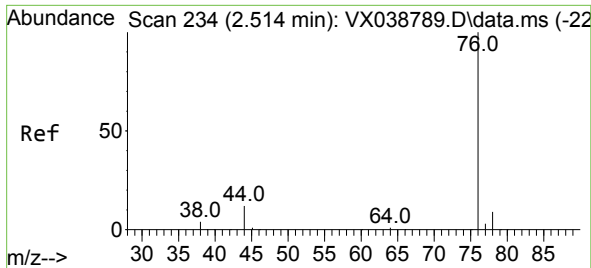
Tgt Ion: 53 Resp: 307
Ion Ratio Lower Upper
53 100
52 87.9 66.0 99.0
51 16.6 29.8 44.6#



#16
Acetone
Concen: 1.657 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX039004.D
Acq: 22 Nov 2023 15:46

Tgt Ion: 43 Resp: 1347
Ion Ratio Lower Upper
43 100
58 28.8 21.9 32.9





#17

Carbon Disulfide

Concen: 0.347 ug/l

RT: 2.508 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX039004.D

Acq: 22 Nov 2023 15:46

Instrument :

MSVOA_X

ClientSampleId :

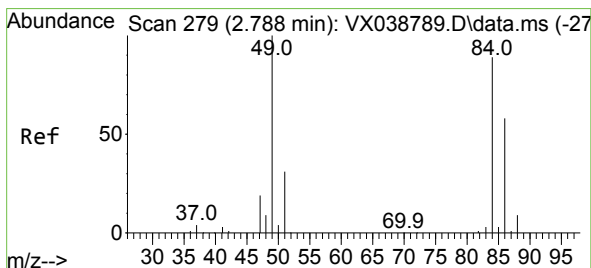
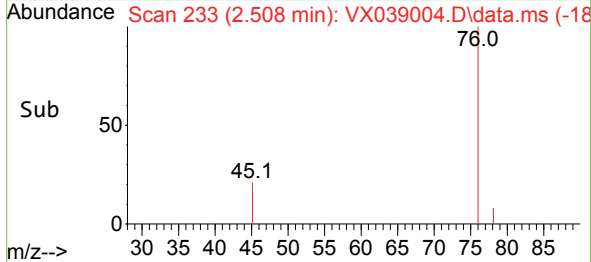
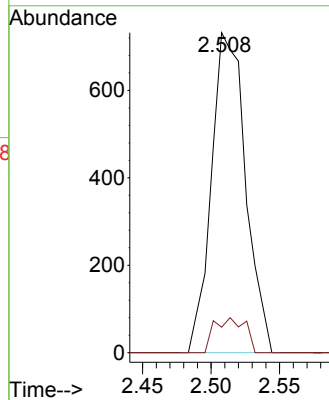
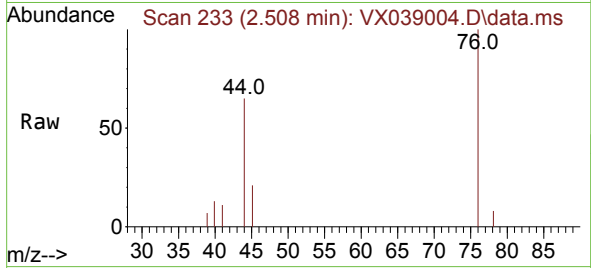
DUP-01-20231114

Tgt Ion: 76 Resp: 1270

Ion Ratio Lower Upper

76 100

78 7.9 7.0 10.6



#20

Methylene Chloride

Concen: 0.310 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX039004.D

Acq: 22 Nov 2023 15:46

Tgt Ion: 84 Resp: 454

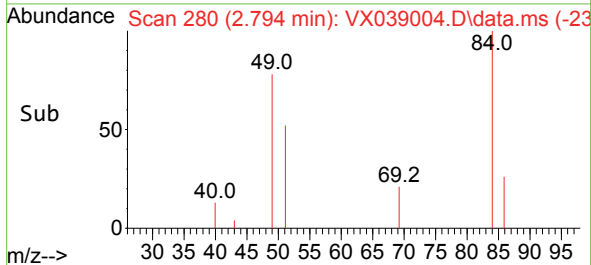
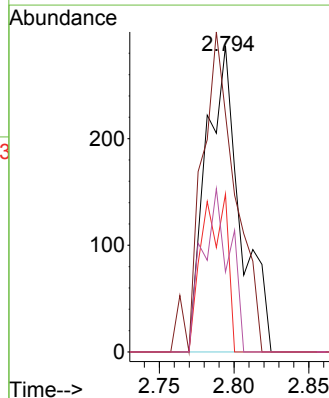
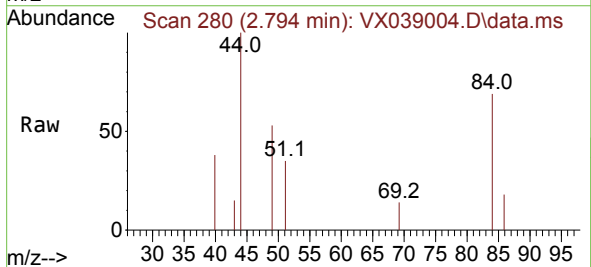
Ion Ratio Lower Upper

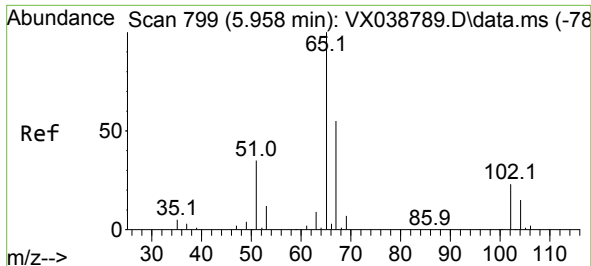
84 100

49 77.7 103.6 155.4#

51 51.6 33.8 50.6#

86 26.1 49.4 74.0#





#33

1,2-Dichloroethane-d4

Concen: 52.778 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX039004.D

Acq: 22 Nov 2023 15:46

Instrument :

MSVOA_X

ClientSampleId :

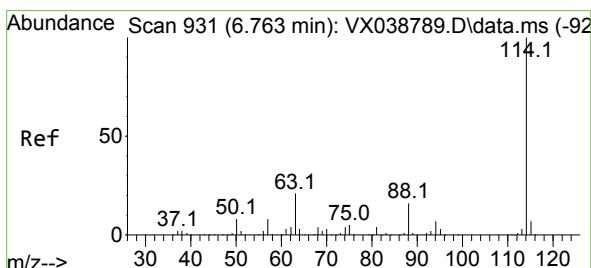
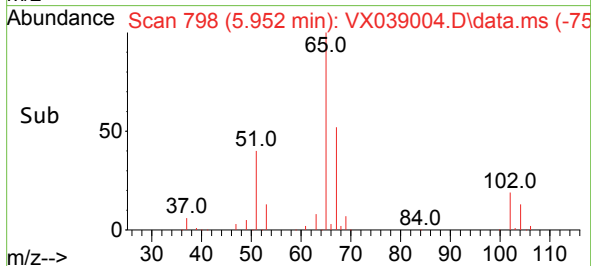
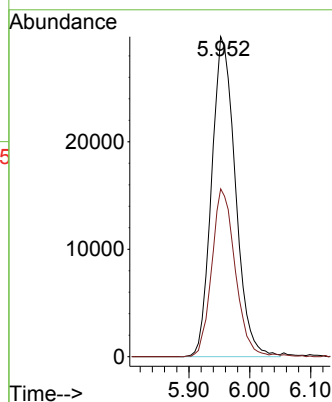
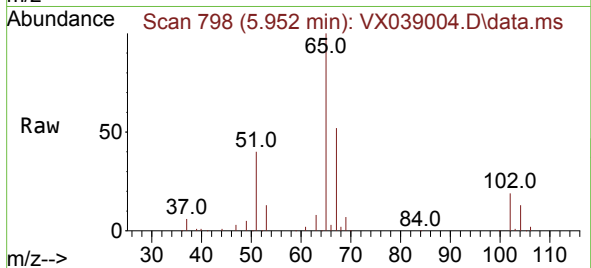
DUP-01-20231114

Tgt Ion: 65 Resp: 80619

Ion Ratio Lower Upper

65 100

67 52.1 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX039004.D

Acq: 22 Nov 2023 15:46

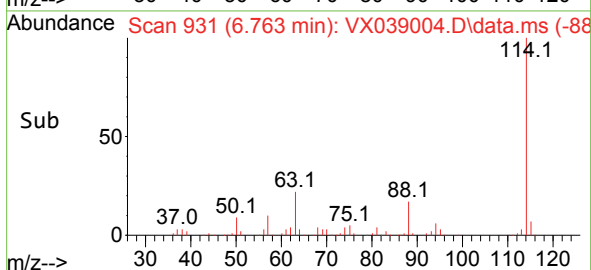
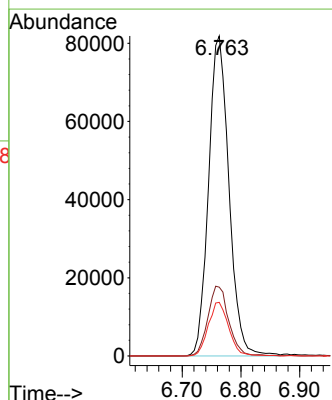
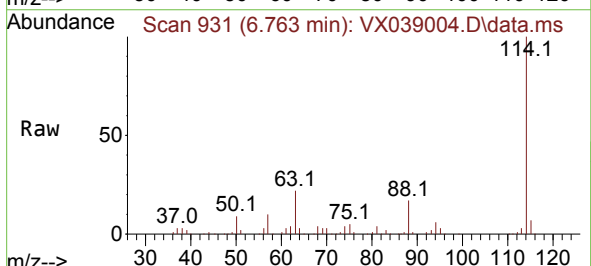
Tgt Ion:114 Resp: 197251

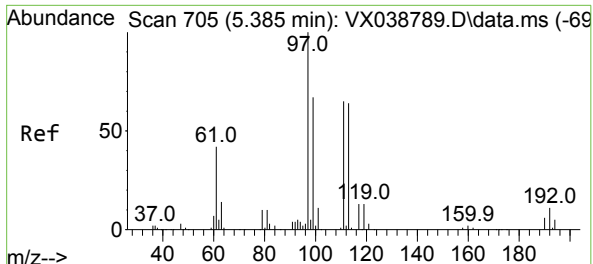
Ion Ratio Lower Upper

114 100

63 21.5 0.0 45.0

88 16.8 0.0 36.6





#35

Dibromofluoromethane

Concen: 44.347 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX039004.D

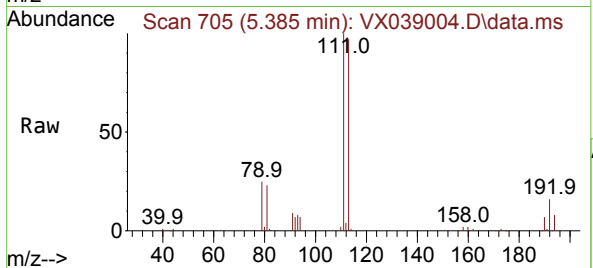
Acq: 22 Nov 2023 15:46

Instrument :

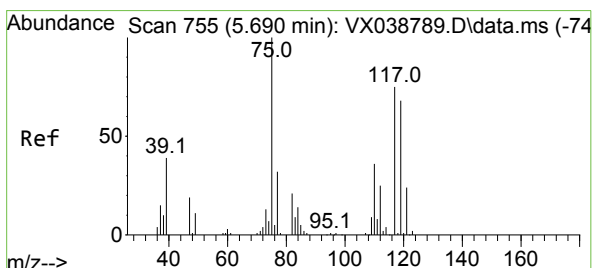
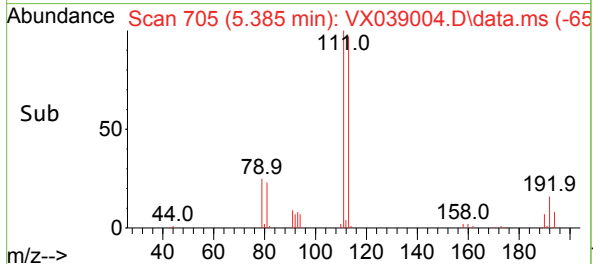
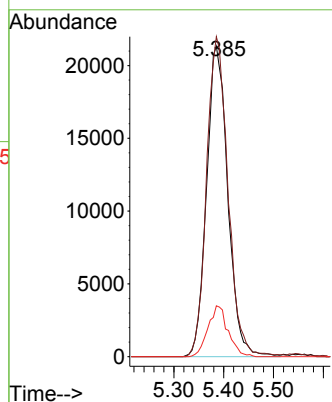
MSVOA_X

ClientSampleId :

DUP-01-20231114



Tgt Ion:	113	Resp:	63177
Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.9	124.3
192	15.5	13.3	19.9



#36

1,1-Dichloropropene

Concen: 4.677 ug/l

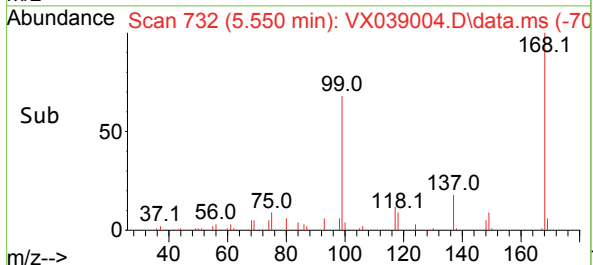
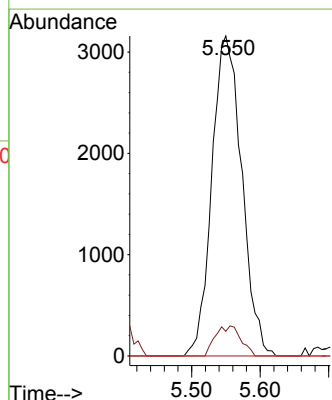
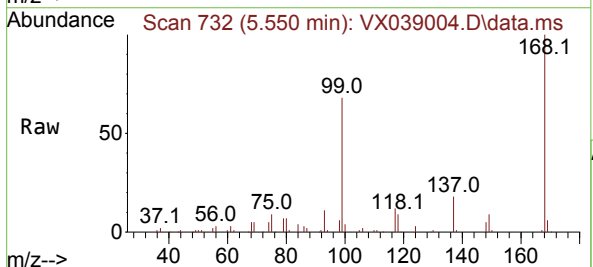
RT: 5.550 min Scan# 732

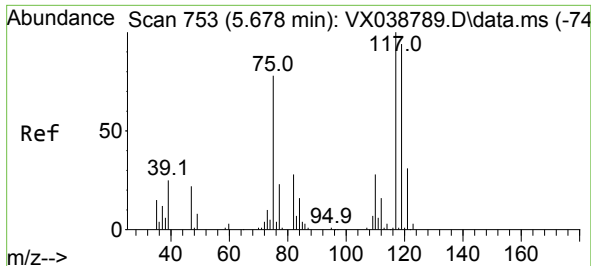
Delta R.T. -0.140 min

Lab File: VX039004.D

Acq: 22 Nov 2023 15:46

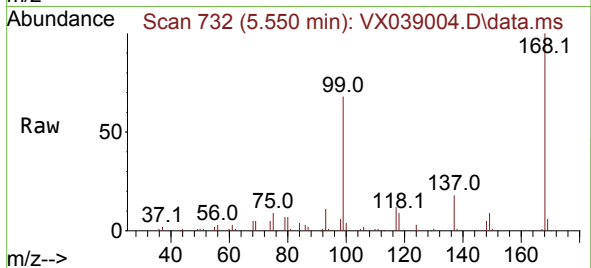
Tgt Ion:	75	Resp:	9550
Ion	Ratio	Lower	Upper
75	100		
110	8.0	17.0	50.9#
77	0.0	24.7	37.1#



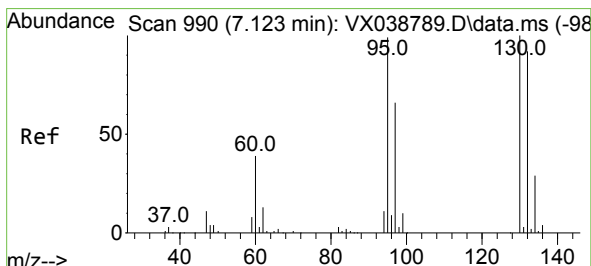
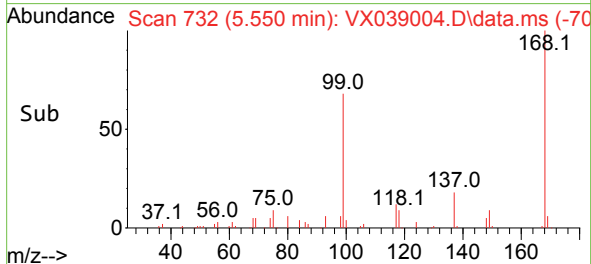
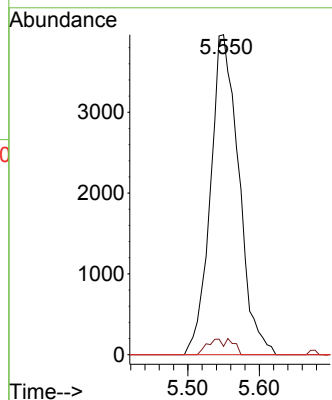


#38
Carbon Tetrachloride
Concen: 5.779 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX039004.D
Acq: 22 Nov 2023 15:46

Instrument :
MSVOA_X
ClientSampleId :
DUP-01-20231114

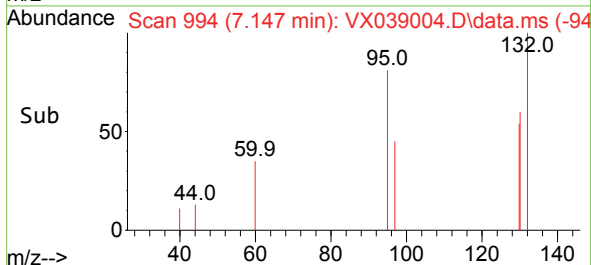
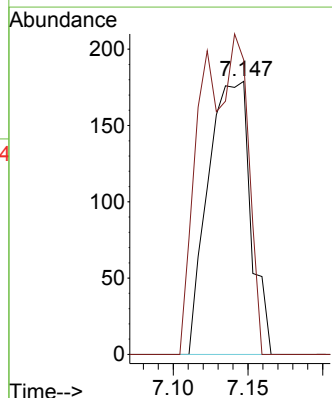
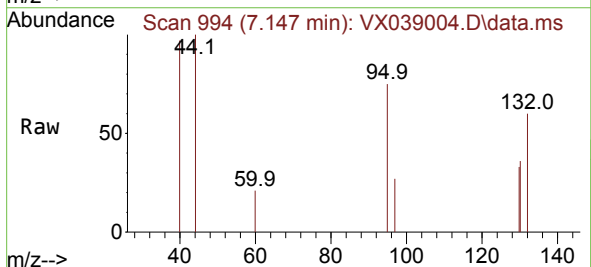


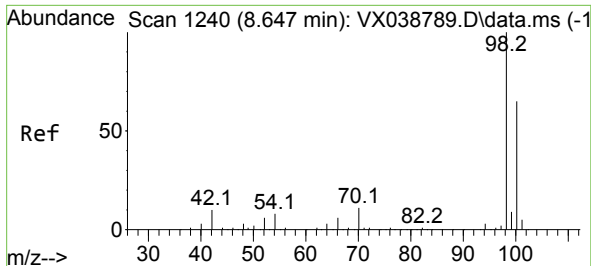
Tgt Ion:117 Resp: 10905
Ion Ratio Lower Upper
117 100
119 2.6 78.2 117.2#
121 0.0 24.4 36.6#



#44
Trichloroethene
Concen: 0.240 ug/l
RT: 7.147 min Scan# 994
Delta R.T. 0.025 min
Lab File: VX039004.D
Acq: 22 Nov 2023 15:46

Tgt Ion:130 Resp: 353
Ion Ratio Lower Upper
130 100
95 107.8 0.0 204.4

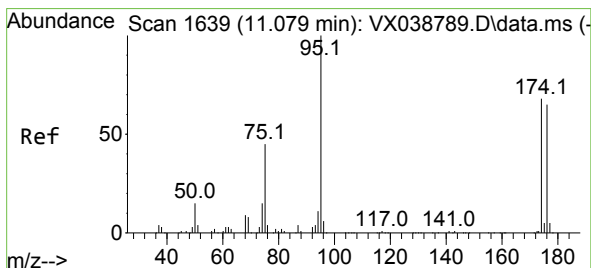
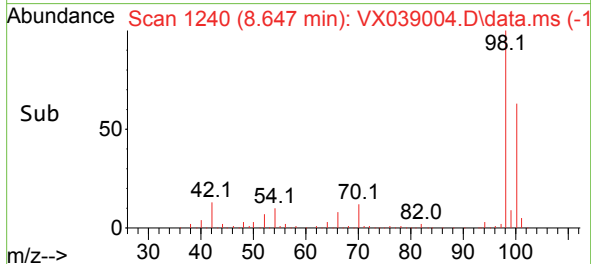
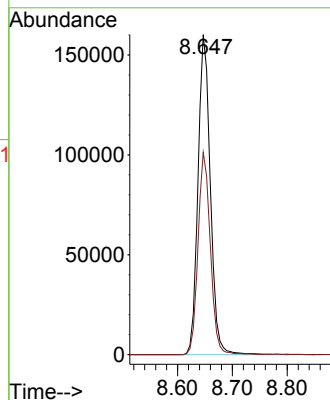
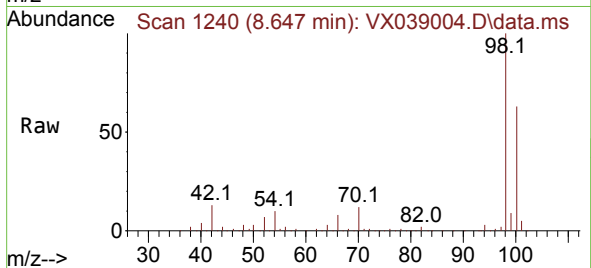




#50
Toluene-d8
Concen: 46.228 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039004.D
Acq: 22 Nov 2023 15:46

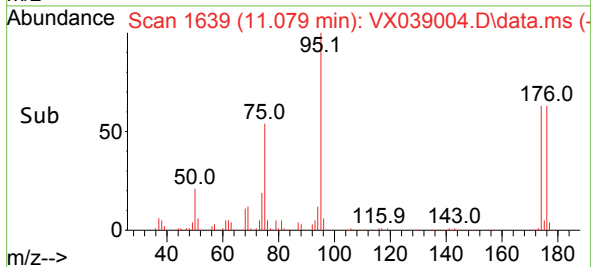
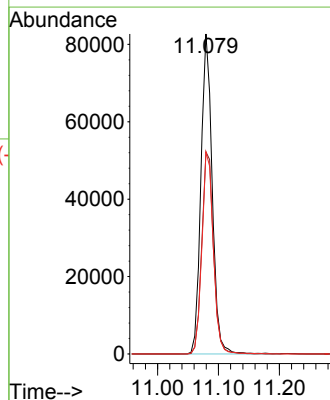
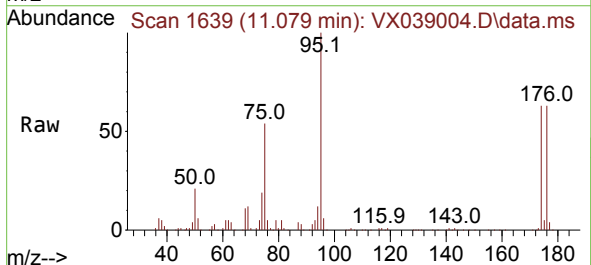
Instrument :
MSVOA_X
ClientSampleId :
DUP-01-20231114

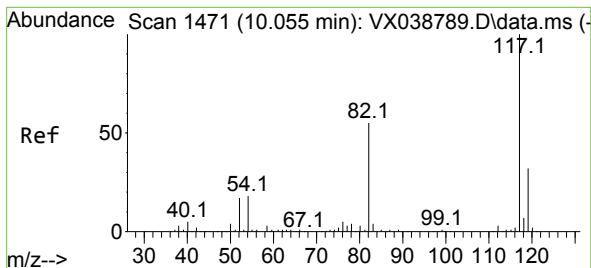
Tgt Ion: 98 Resp: 251968
Ion Ratio Lower Upper
98 100
100 63.1 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 48.609 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039004.D
Acq: 22 Nov 2023 15:46

Tgt Ion: 95 Resp: 106061
Ion Ratio Lower Upper
95 100
174 65.4 0.0 135.6
176 64.1 0.0 131.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX039004.D

Acq: 22 Nov 2023 15:46

Instrument :

MSVOA_X

ClientSampleId :

DUP-01-20231114

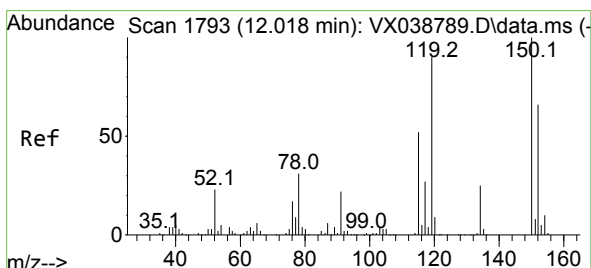
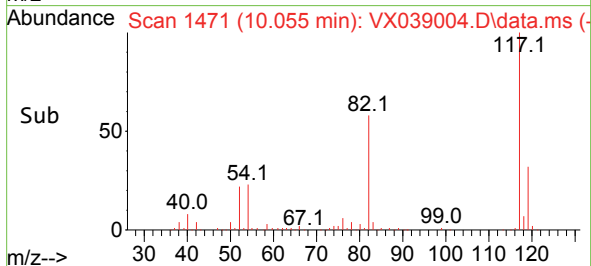
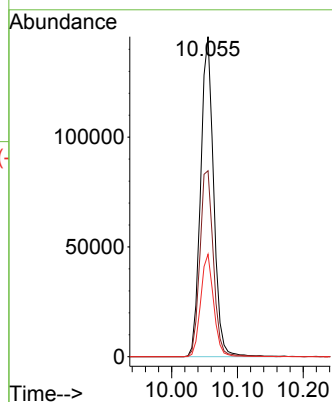
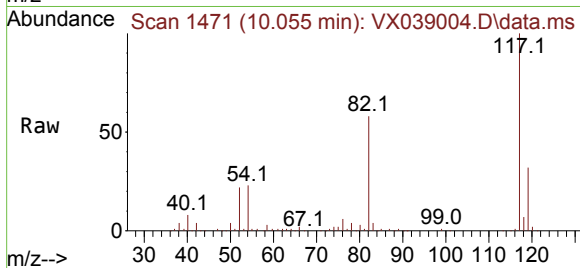
Tgt Ion:117 Resp: 200203

Ion Ratio Lower Upper

117 100

82 58.1 46.2 69.4

119 32.0 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.006 min

Lab File: VX039004.D

Acq: 22 Nov 2023 15:46

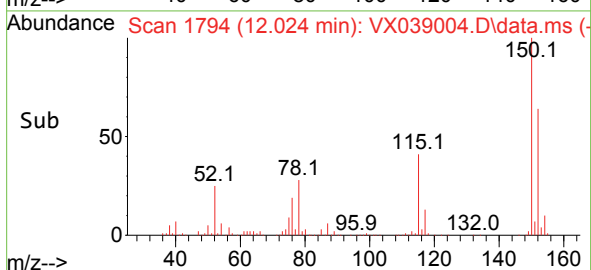
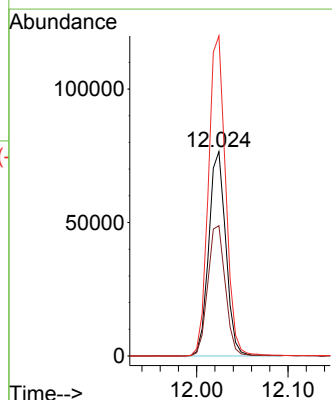
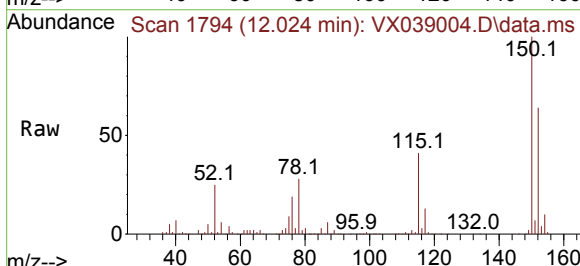
Tgt Ion:152 Resp: 99312

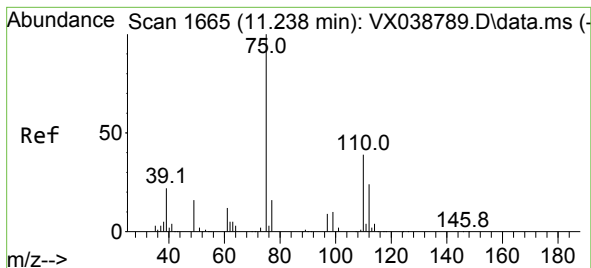
Ion Ratio Lower Upper

152 100

115 65.4 43.3 129.9

150 158.1 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 23.122 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX039004.D

Acq: 22 Nov 2023 15:46

Instrument :

MSVOA_X

ClientSampleId :

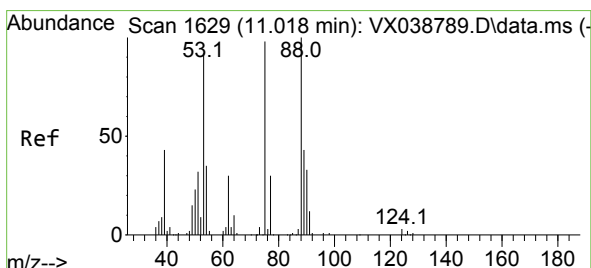
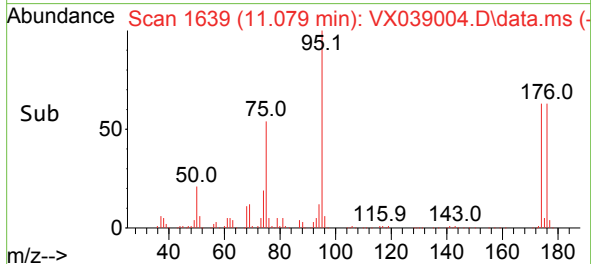
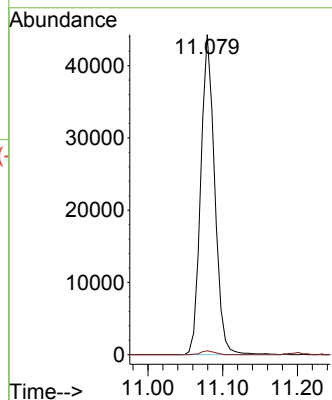
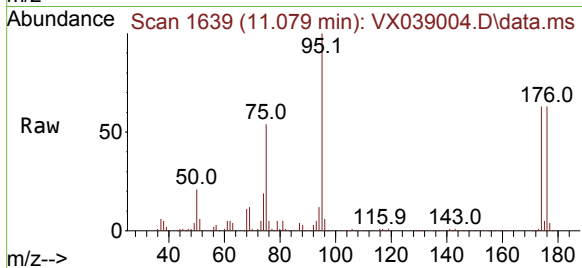
DUP-01-20231114

Tgt Ion: 75 Resp: 57293

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 51.288 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX039004.D

Acq: 22 Nov 2023 15:46

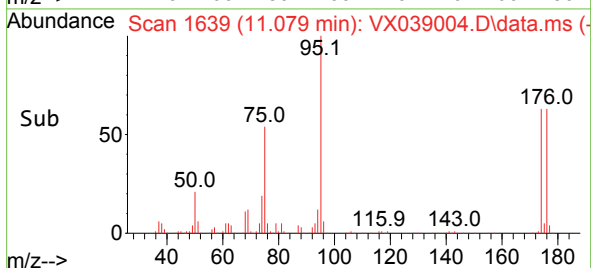
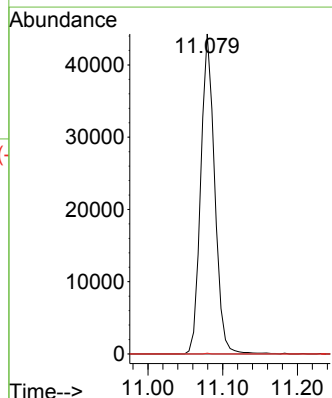
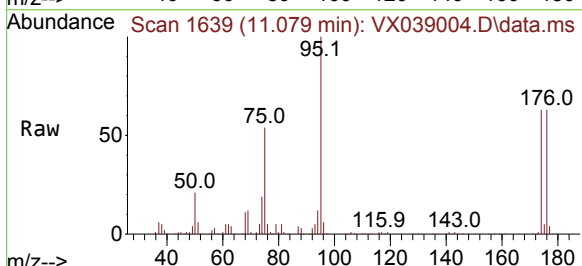
Tgt Ion: 75 Resp: 57293

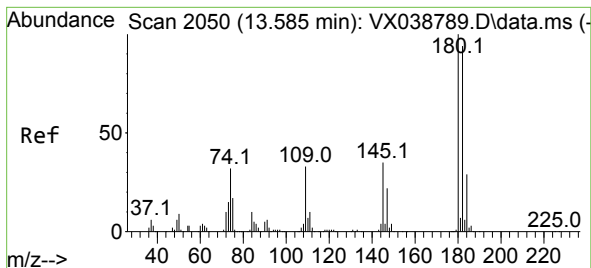
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.1 36.9 55.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.284 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX039004.D

Acq: 22 Nov 2023 15:46

Instrument :

MSVOA_X

ClientSampleId :

DUP-01-20231114

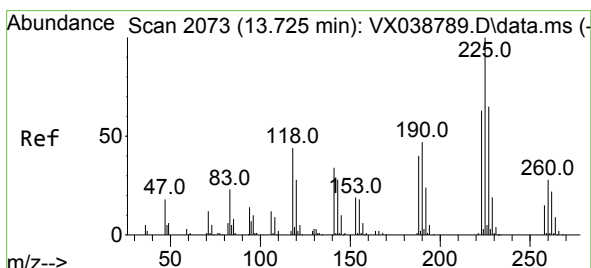
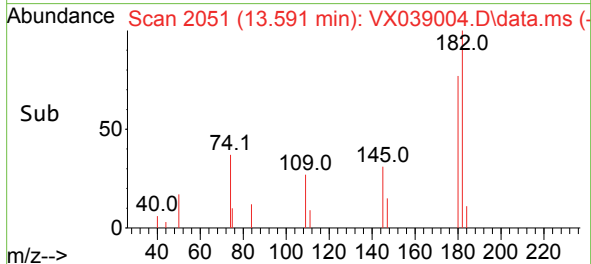
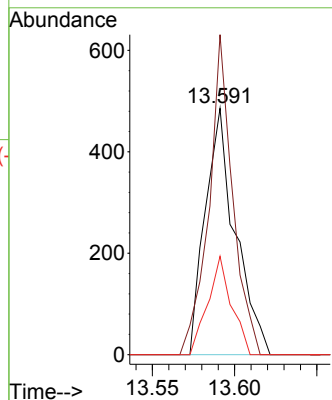
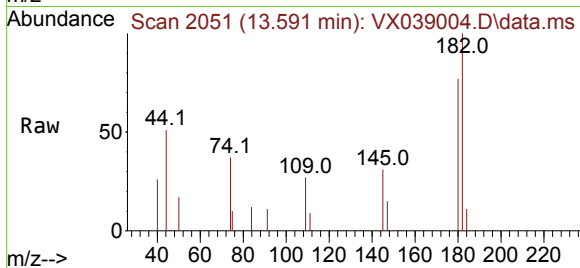
Tgt Ion:180 Resp: 615

Ion Ratio Lower Upper

180 100

182 102.9 48.3 144.8

145 31.5 18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.371 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX039004.D

Acq: 22 Nov 2023 15:46

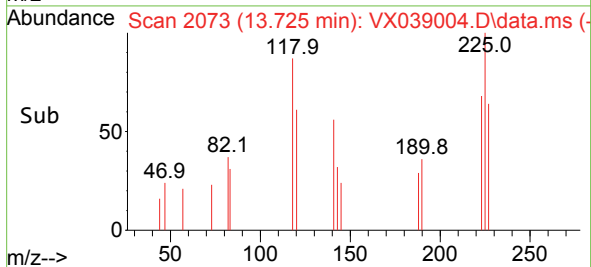
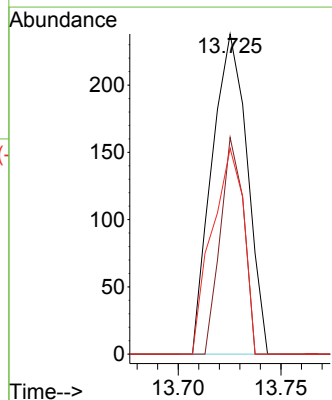
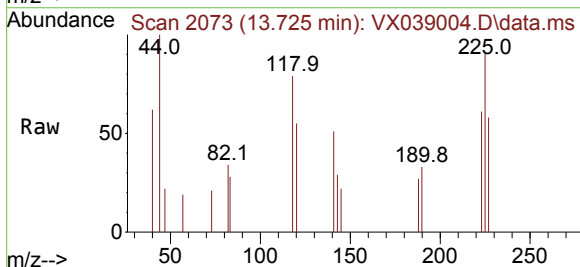
Tgt Ion:225 Resp: 284

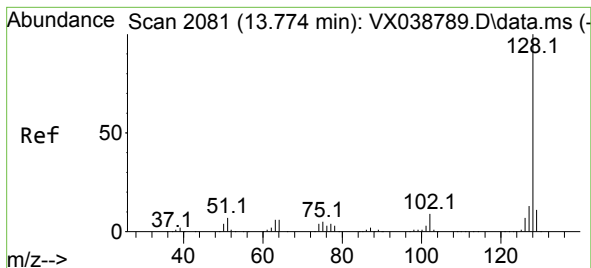
Ion Ratio Lower Upper

225 100

223 44.7 31.1 93.2

227 58.1 32.5 97.5





#95

Naphthalene

Concen: 0.261 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX039004.D

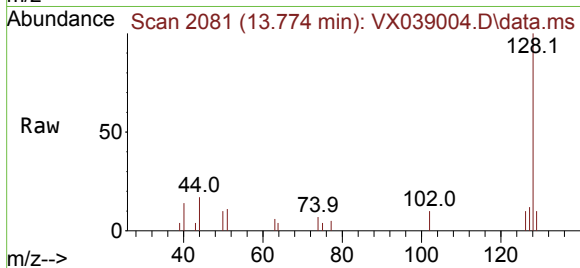
Acq: 22 Nov 2023 15:46

Instrument :

MSVOA_X

ClientSampleId :

DUP-01-20231114



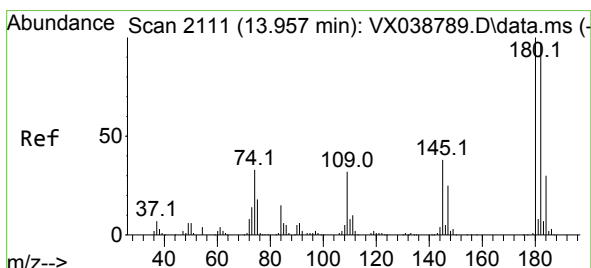
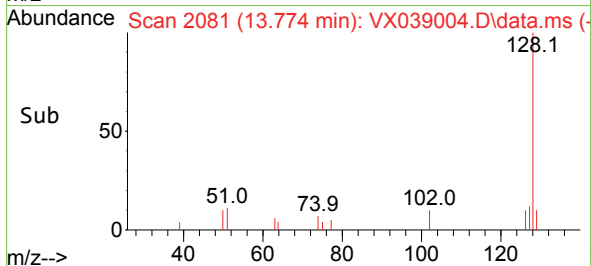
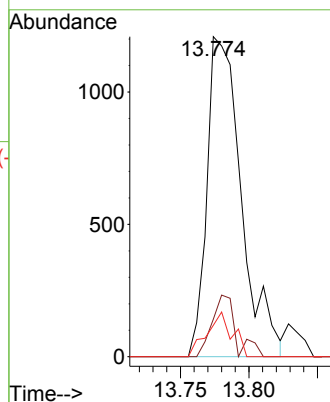
Tgt Ion:128 Resp: 2106

Ion Ratio Lower Upper

128 100

127 13.4 10.3 15.5

129 10.3 8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 0.248 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.006 min

Lab File: VX039004.D

Acq: 22 Nov 2023 15:46

Tgt Ion:180 Resp: 509

Ion Ratio Lower Upper

180 100

182 101.8 46.9 140.6

145 33.8 17.8 53.5

