

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022124\
 Data File : VX040392.D
 Acq On : 21 Feb 2024 19:17
 Operator : JC/MD
 Sample : P1520-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP03-20240216

Quant Time: Feb 22 01:13:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 12 00:21:14 2024
 Response via : Initial Calibration

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

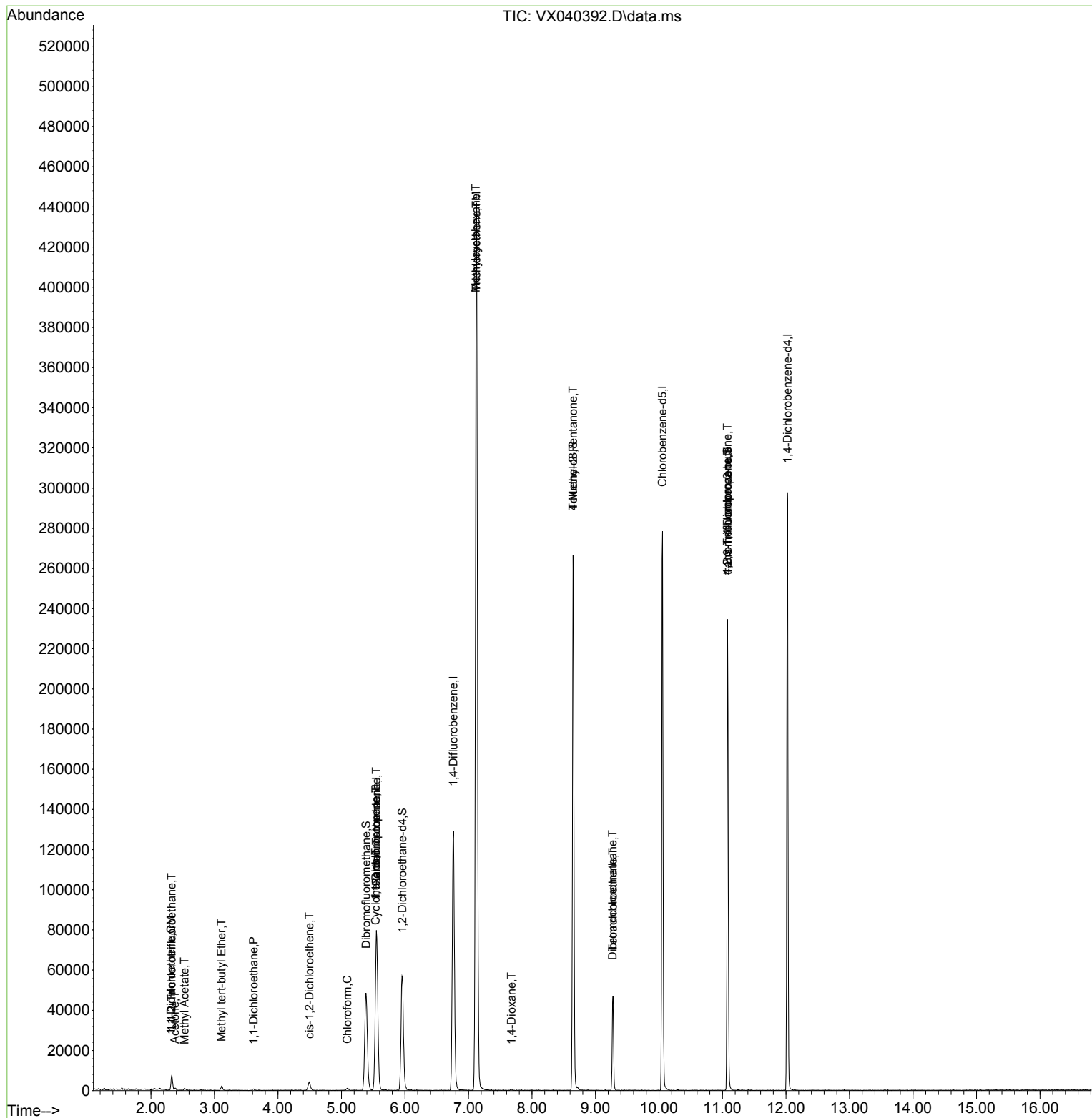
Internal Standards						
1) Pentafluorobenzene	5.550	168	70172	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	127647	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	120436	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	59448	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	55475	53.139	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.280%			
35) Dibromofluoromethane	5.385	113	41848	46.945	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.900%			
50) Toluene-d8	8.647	98	154260	46.261	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 92.520%			
62) 4-Bromofluorobenzene	11.079	95	58798	43.235	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 86.480%			
Target Compounds					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.325	101	2293	3.082	ug/l	96
12) 1,1-Dichloroethene	2.319	96	645	0.900	ug/l #	79
16) Acetone	2.380	43	875	2.041	ug/l #	89
18) Methyl Acetate	2.526	43	356	0.310	ug/l #	53
19) Methyl tert-butyl Ether	3.111	73	2047	0.811	ug/l	95
20) Methylene Chloride	2.788	84	103	Below Cal	#	65
24) 1,1-Dichloroethane	3.617	63	1000	0.681	ug/l #	83
27) cis-1,2-Dichloroethene	4.495	96	2624	2.819	ug/l	76
30) Chloroform	5.093	83	1176	0.741	ug/l #	57
31) Cyclohexane	5.538	56	2128	1.709	ug/l #	42
36) 1,1-Dichloropropene	5.544	75	6439	5.156	ug/l #	50
38) Carbon Tetrachloride	5.550	117	7880	6.637	ug/l #	15
39) Methylcyclohexane	7.117	83	2143	1.477	ug/l #	1
44) Trichloroethene	7.123	130	157868	163.893	ug/l	95
49) 1,4-Dioxane	7.678	88	526	21.786	ug/l #	68
51) 4-Methyl-2-Pentanone	8.647	43	885	0.598	ug/l #	1
60) Dibromochloromethane	9.269	129	8317	8.368	ug/l #	11
64) Tetrachloroethene	9.275	164	8206	9.723	ug/l	94
76) 1,2,3-Trichloropropane	11.079	75	33237	27.609	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	33237	75.575	ug/l #	5

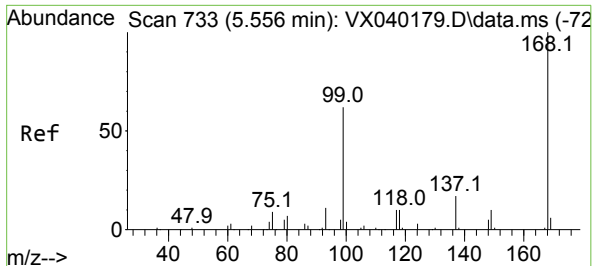
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Feb 12 00:21:14 2024
Response via : Initial Calibration

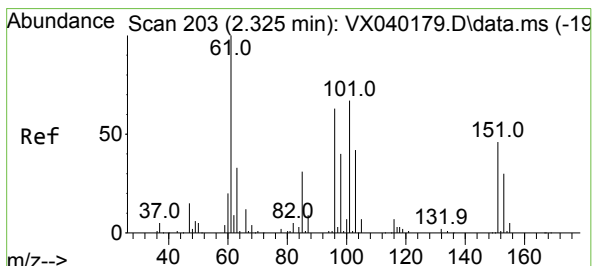
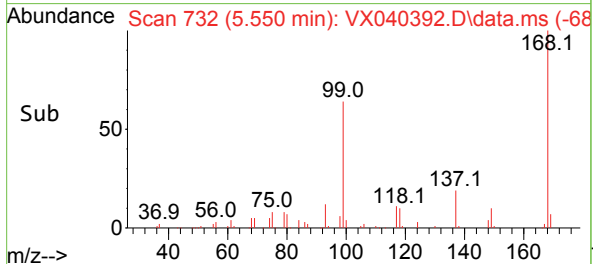
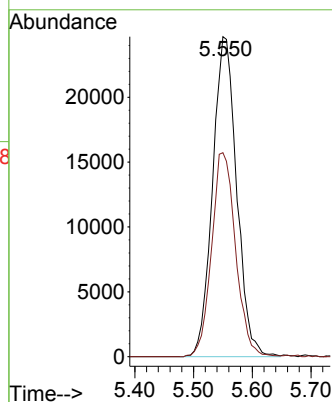
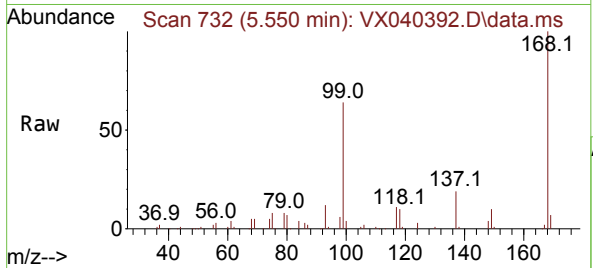




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040392.D
Acq: 21 Feb 2024 19:17

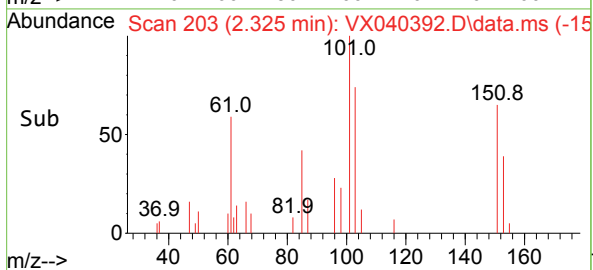
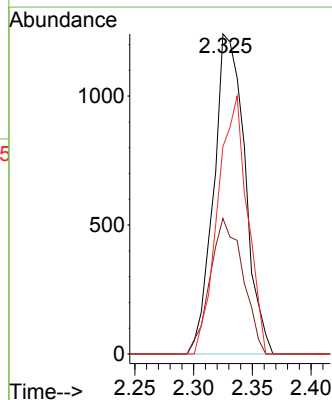
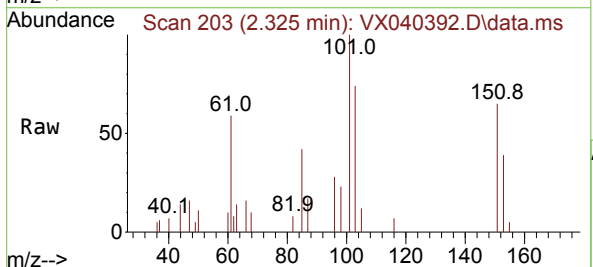
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20240216

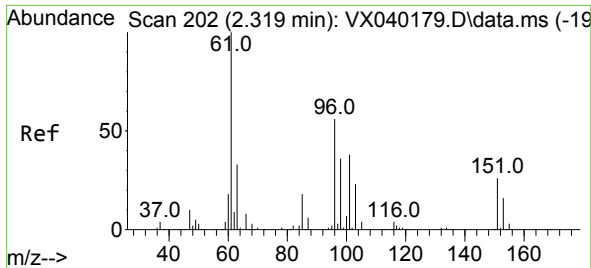
Tgt Ion:168 Resp: 70172
Ion Ratio Lower Upper
168 100
99 63.8 56.6 85.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.082 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.000 min
Lab File: VX040392.D
Acq: 21 Feb 2024 19:17

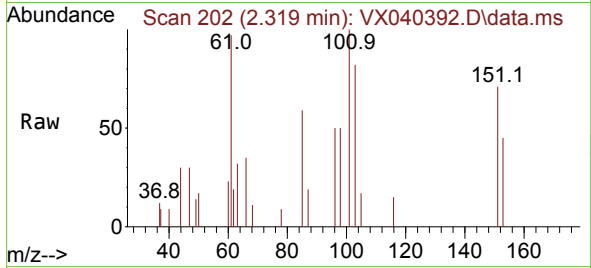
Tgt Ion:101 Resp: 2293
Ion Ratio Lower Upper
101 100
85 44.4 37.0 55.6
151 76.5 58.6 87.8



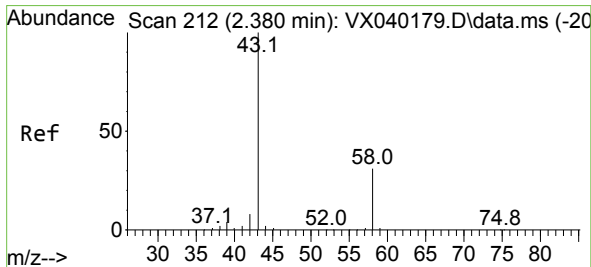
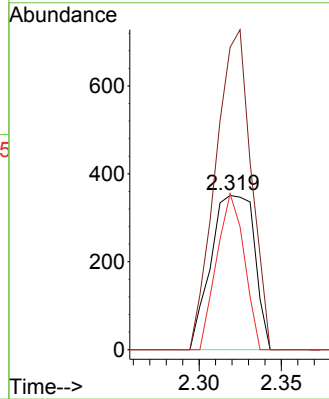
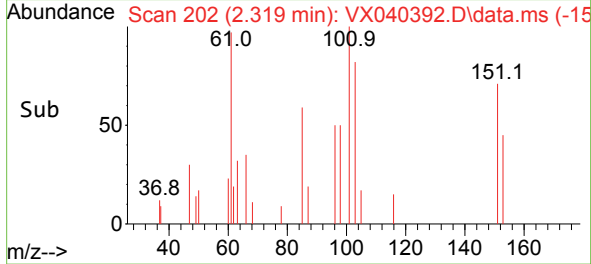


#12
1,1-Dichloroethene
Concen: 0.900 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX040392.D
Acq: 21 Feb 2024 19:17

Instrument :
MSVOA_X
ClientSampleId :
DUP03-20240216

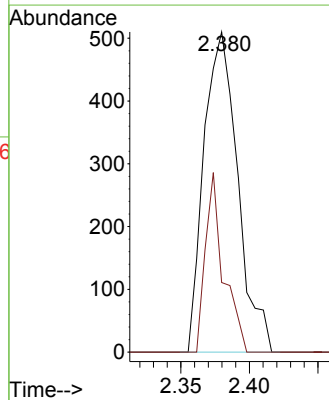
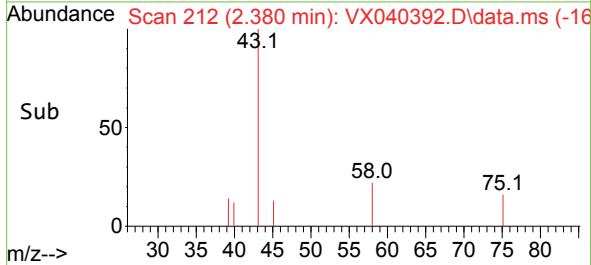
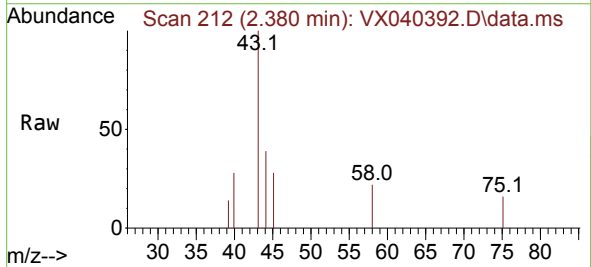


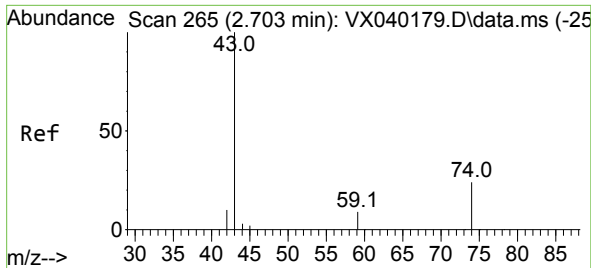
Tgt Ion: 96 Resp: 645
Ion Ratio Lower Upper
96 100
61 196.0 144.6 216.8
98 101.1 50.4 75.6#



#16
Acetone
Concen: 2.041 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX040392.D
Acq: 21 Feb 2024 19:17

Tgt Ion: 43 Resp: 875
Ion Ratio Lower Upper
43 100
58 21.8 21.9 32.9#

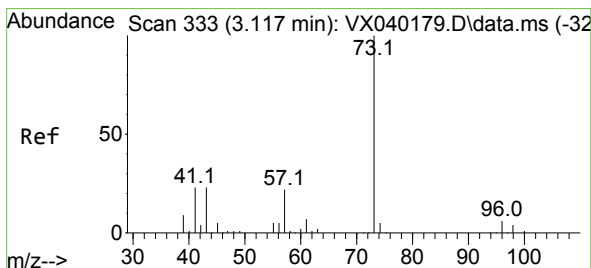
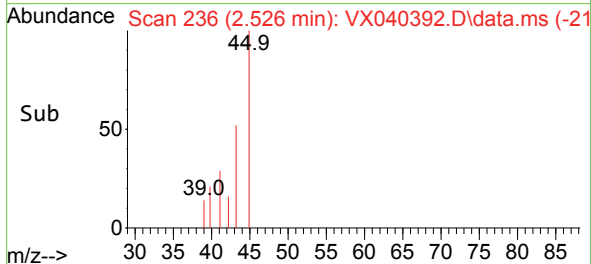
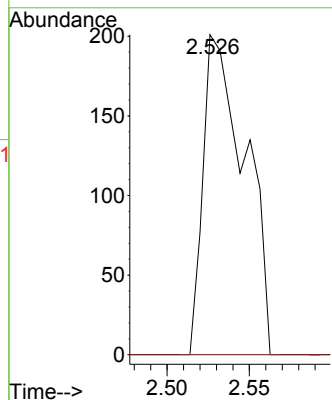
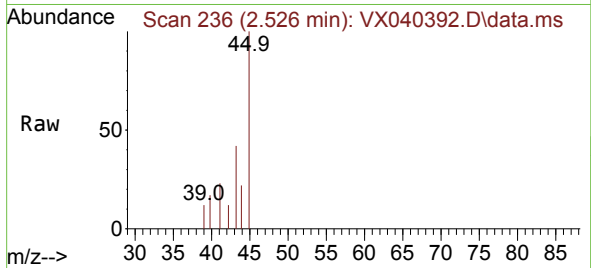




#18
Methyl Acetate
Concen: 0.310 ug/l
RT: 2.526 min Scan# 21
Delta R.T. -0.177 min
Lab File: VX040392.D
Acq: 21 Feb 2024 19:17

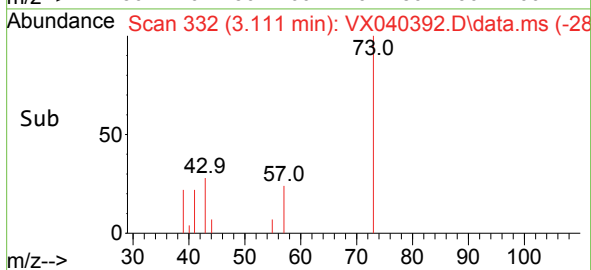
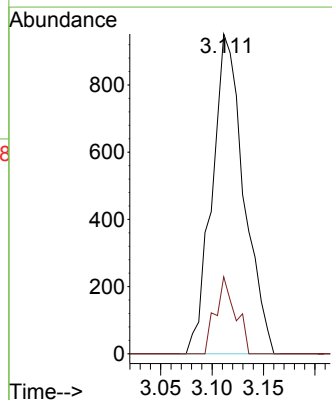
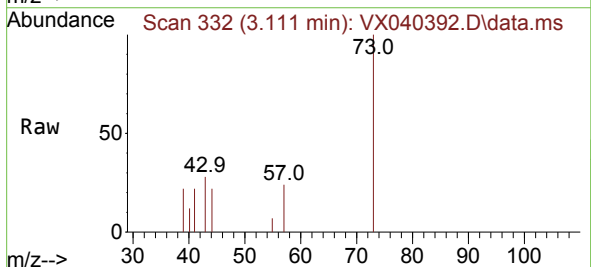
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20240216

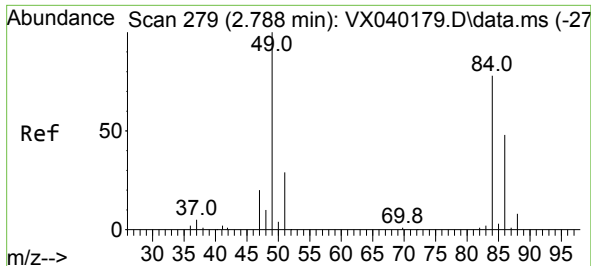
Tgt Ion: 43 Resp: 356
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.8#



#19
Methyl tert-butyl Ether
Concen: 0.811 ug/l
RT: 3.111 min Scan# 332
Delta R.T. -0.006 min
Lab File: VX040392.D
Acq: 21 Feb 2024 19:17

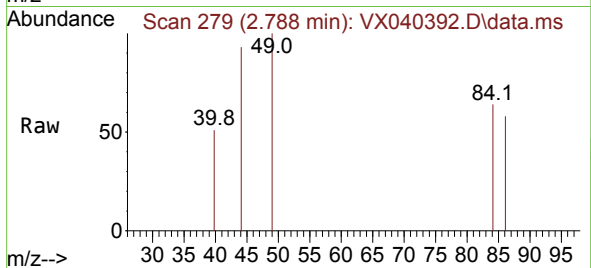
Tgt Ion: 73 Resp: 2047
Ion Ratio Lower Upper
73 100
57 24.1 17.3 25.9



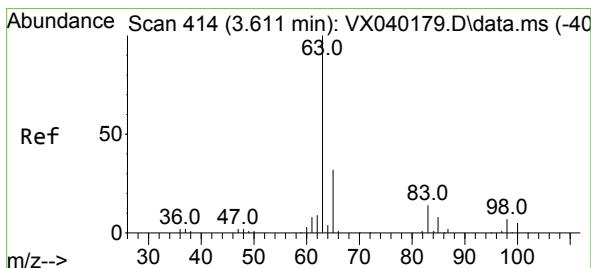
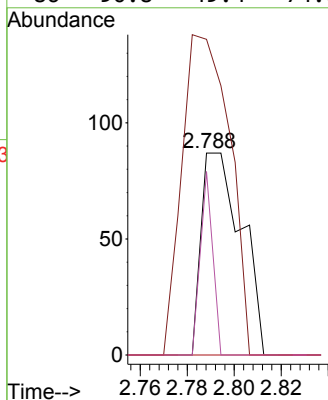
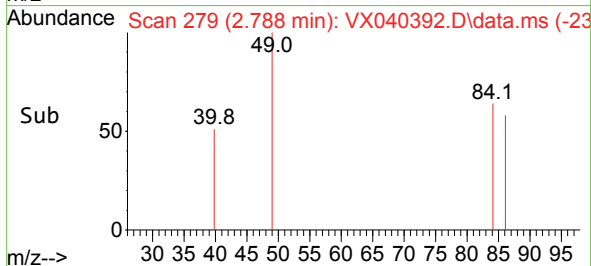


#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX040392.D
Acq: 21 Feb 2024 19:17

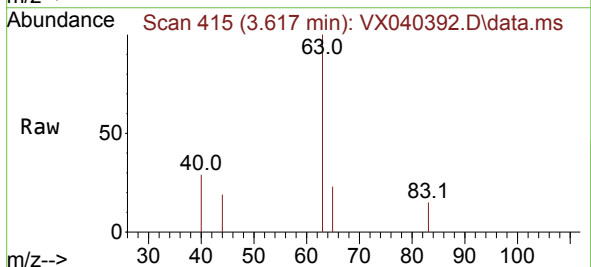
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20240216



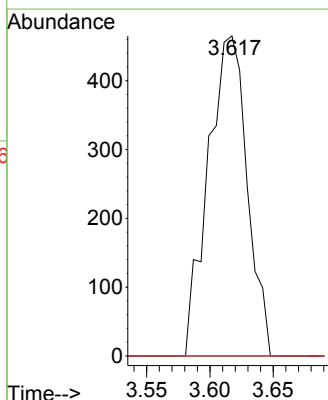
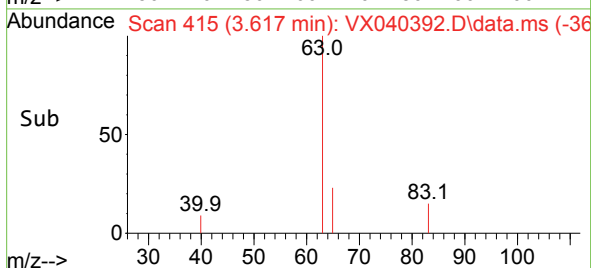
Tgt Ion: 84 Resp: 103
Ion Ratio Lower Upper
84 100
49 156.3 103.6 155.4#
51 0.0 33.8 50.6#
86 90.8 49.4 74.0#

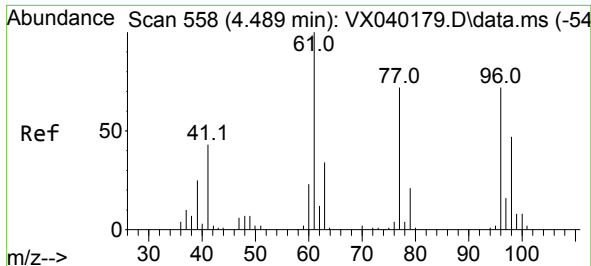


#24
1,1-Dichloroethane
Concen: 0.681 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.012 min
Lab File: VX040392.D
Acq: 21 Feb 2024 19:17



Tgt Ion: 63 Resp: 1000
Ion Ratio Lower Upper
63 100
98 0.0 3.3 9.8#
100 0.0 2.1 6.5#





#27

cis-1,2-Dichloroethene

Concen: 2.819 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX040392.D

Acq: 21 Feb 2024 19:17

Instrument :

MSVOA_X

ClientSampleId :

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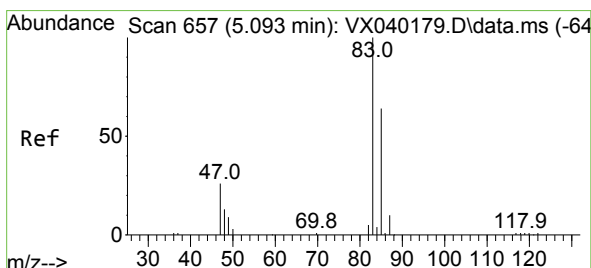
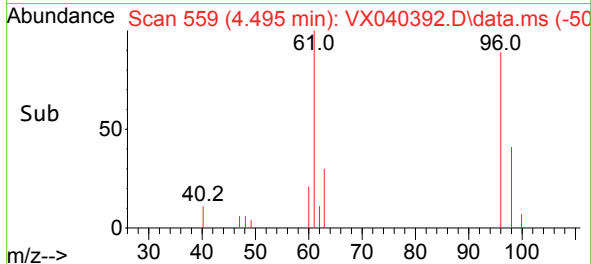
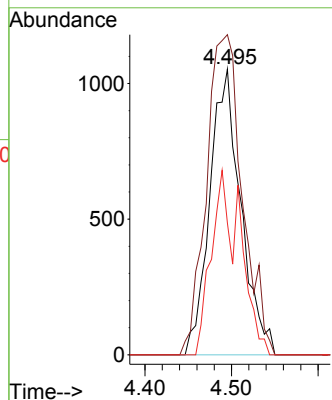
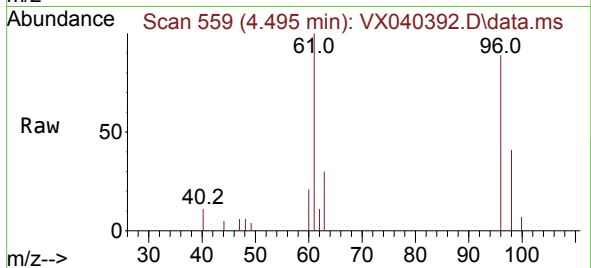
Tgt Ion: 96 Resp: 2624

Ion Ratio Lower Upper

96 100

61 129.7 0.0 312.2

98 39.1 0.0 129.0



#30

Chloroform

Concen: 0.741 ug/l

RT: 5.093 min Scan# 657

Delta R.T. -0.006 min

Lab File: VX040392.D

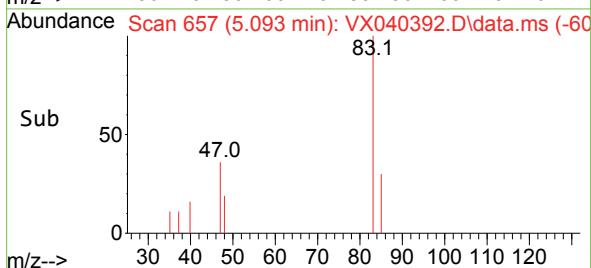
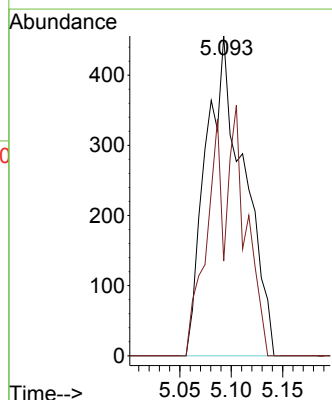
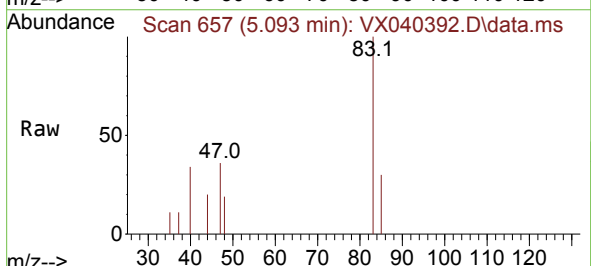
Acq: 21 Feb 2024 19:17

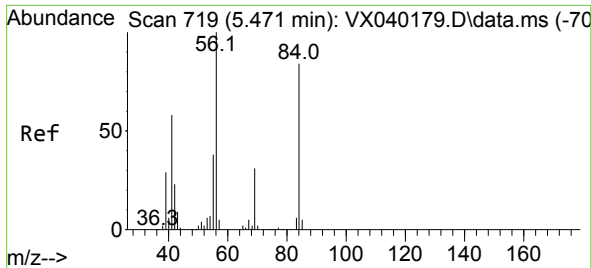
Tgt Ion: 83 Resp: 1176

Ion Ratio Lower Upper

83 100

85 29.6 50.3 75.5#

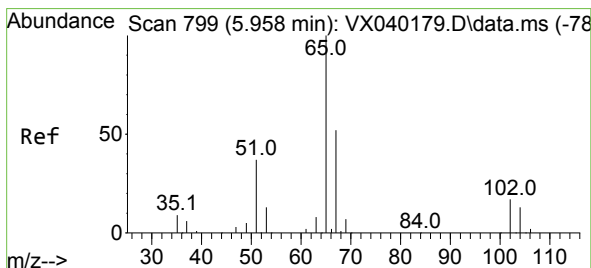
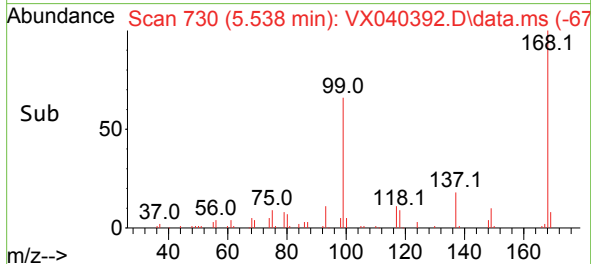
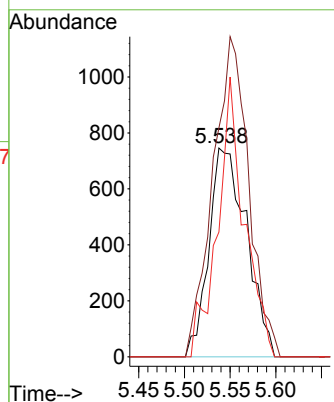
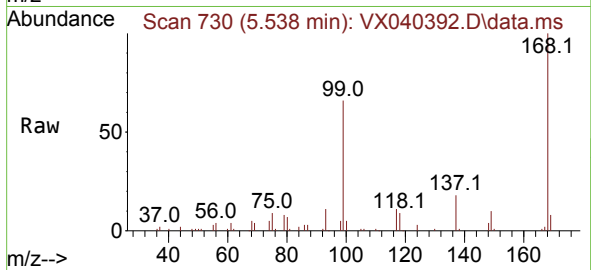




#31
Cyclohexane
Concen: 1.709 ug/l
RT: 5.538 min Scan# 719
Delta R.T. 0.067 min
Lab File: VX040392.D
Acq: 21 Feb 2024 19:17

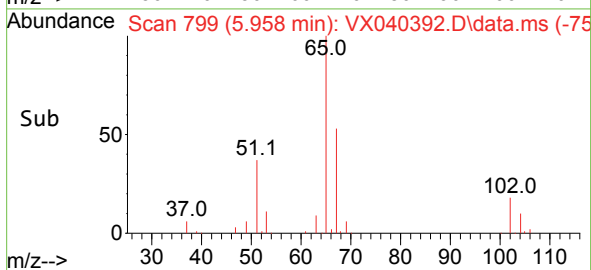
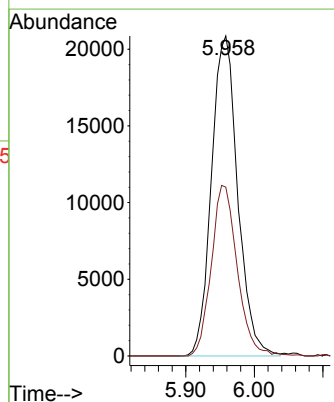
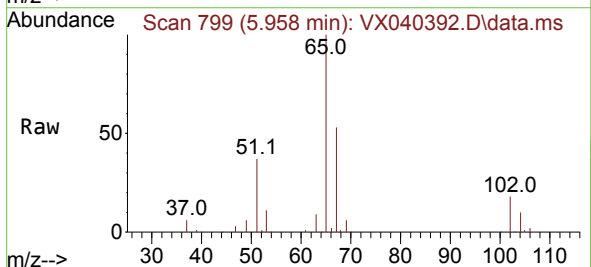
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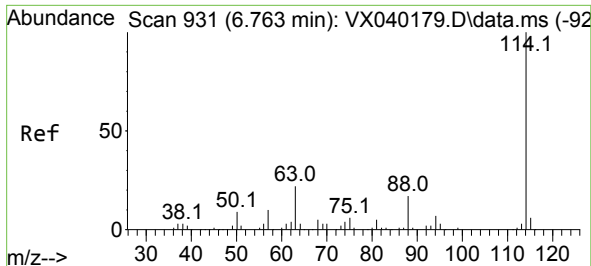
Tgt Ion: 56 Resp: 2128
Ion Ratio Lower Upper
56 100
69 109.7 23.4 35.2#
84 59.8 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 53.139 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX040392.D
Acq: 21 Feb 2024 19:17

Tgt Ion: 65 Resp: 55475
Ion Ratio Lower Upper
65 100
67 52.8 0.0 100.2

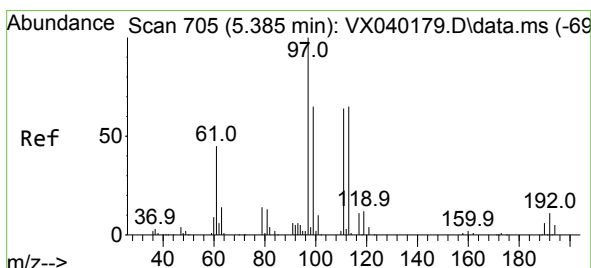
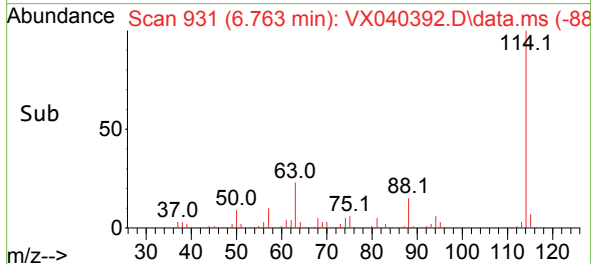
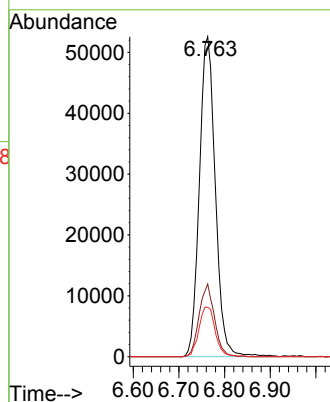
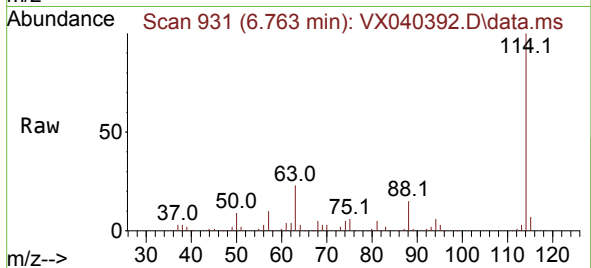




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX040392.D
Acq: 21 Feb 2024 19:17

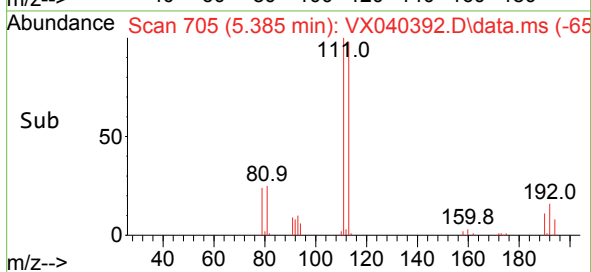
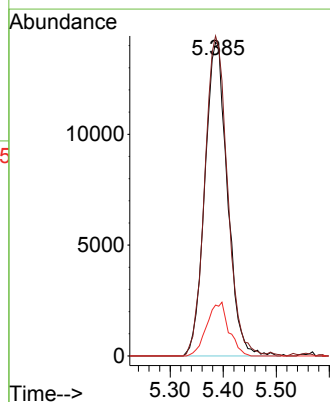
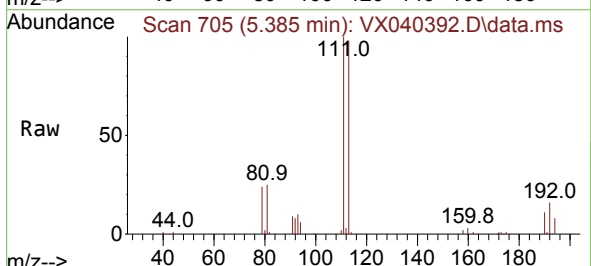
Instrument :
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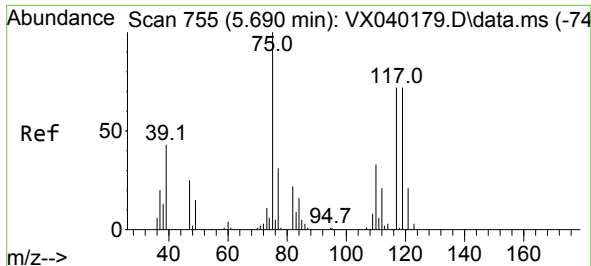
Tgt Ion:114 Resp: 127647
Ion Ratio Lower Upper
114 100
63 22.7 0.0 45.0
88 15.4 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.945 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX040392.D
Acq: 21 Feb 2024 19:17

Tgt Ion:113 Resp: 41848
Ion Ratio Lower Upper
113 100
111 102.6 82.9 124.3
192 16.7 13.3 19.9

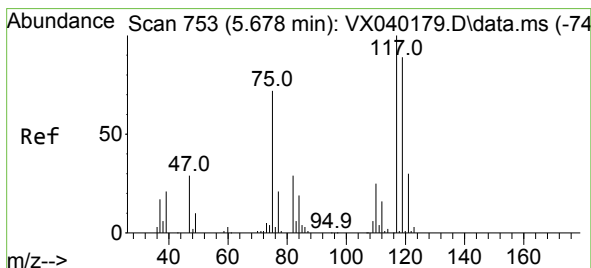
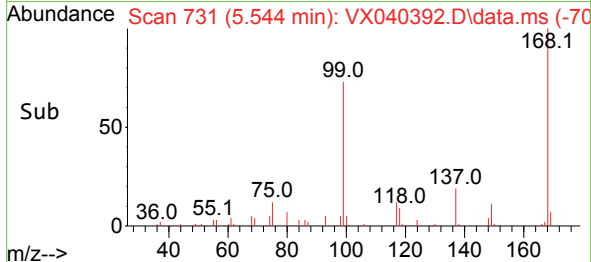
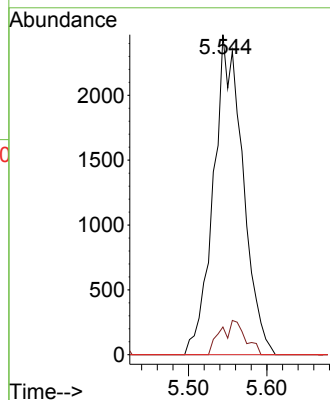
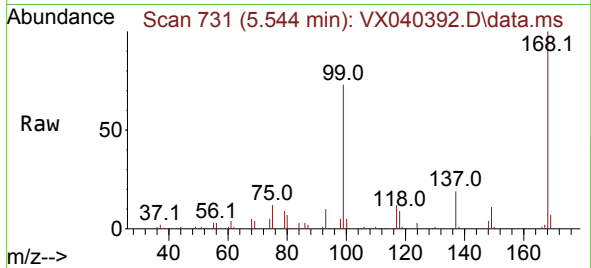




#36
1,1-Dichloropropene
Concen: 5.156 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.152 min
Lab File: VX040392.D
Acq: 21 Feb 2024 19:17

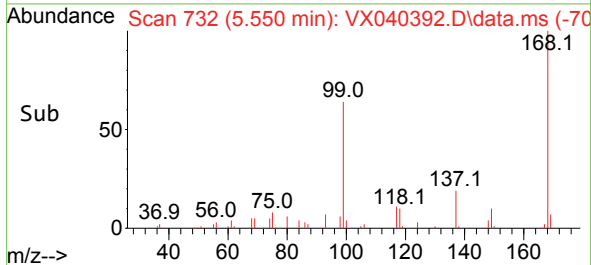
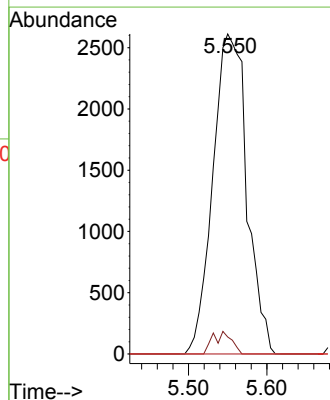
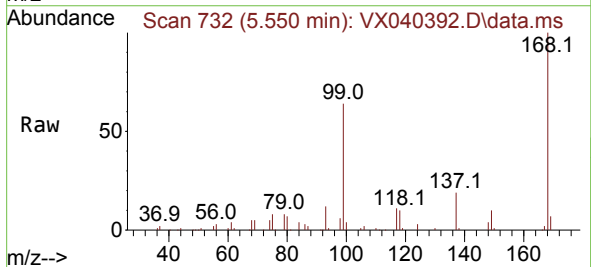
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20240216

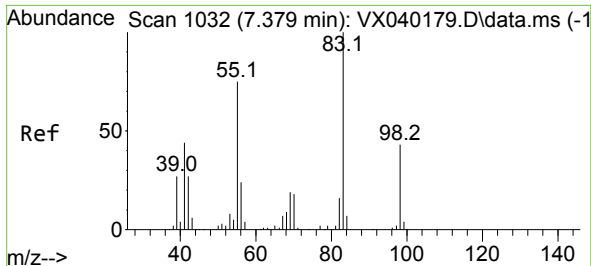
Tgt Ion: 75 Resp: 6439
Ion Ratio Lower Upper
75 100
110 9.0 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.637 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX040392.D
Acq: 21 Feb 2024 19:17

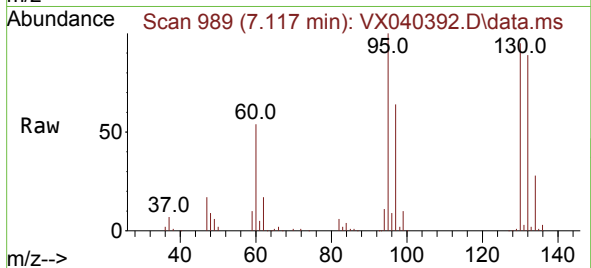
Tgt Ion: 117 Resp: 7880
Ion Ratio Lower Upper
117 100
119 5.3 78.2 117.2#
121 0.0 24.4 36.6#



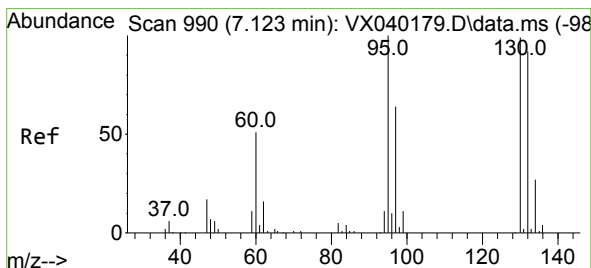
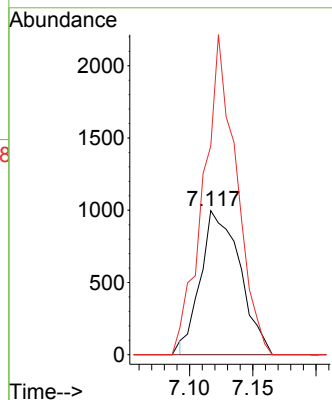
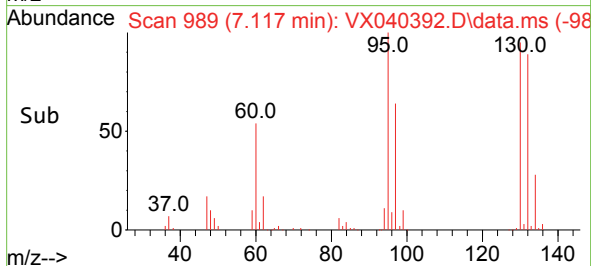


#39
Methylcyclohexane
Concen: 1.477 ug/l
RT: 7.117 min Scan# 91
Delta R.T. -0.262 min
Lab File: VX040392.D
Acq: 21 Feb 2024 19:17

Instrument :
MSVOA_X
ClientSampleId :
DUP03-20240216

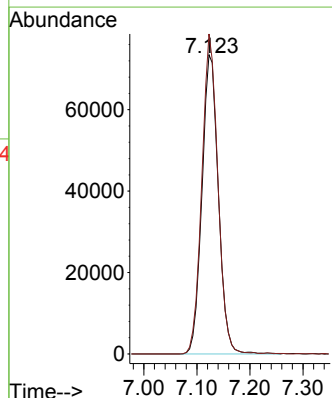
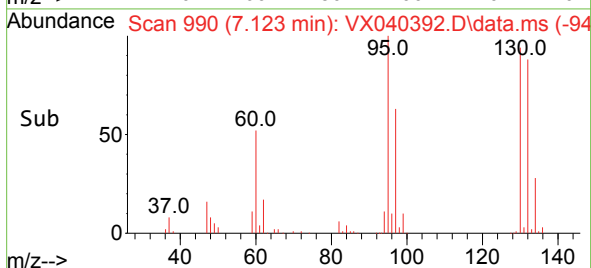
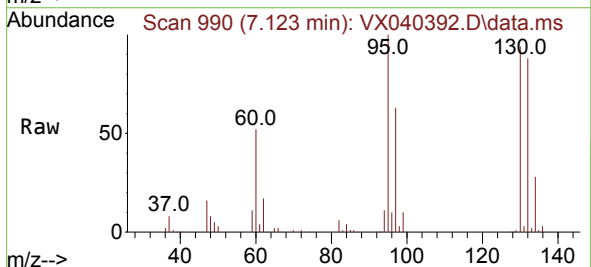


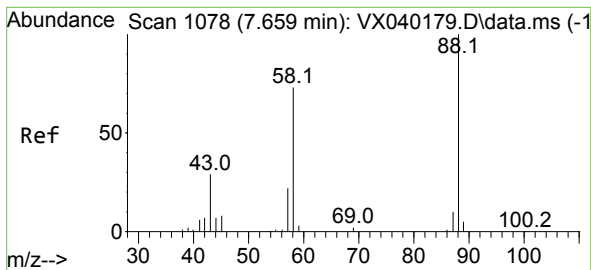
Tgt Ion: 83 Resp: 2143
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 144.7 36.7 55.1#



#44
Trichloroethene
Concen: 163.893 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.006 min
Lab File: VX040392.D
Acq: 21 Feb 2024 19:17

Tgt Ion:130 Resp: 157868
Ion Ratio Lower Upper
130 100
95 106.9 0.0 204.4





#49

1,4-Dioxane

Concen: 21.786 ug/l

RT: 7.678 min Scan# 1081

Delta R.T. 0.019 min

Lab File: VX040392.D

Acq: 21 Feb 2024 19:17

Instrument :

MSVOA_X

ClientSampleId :

DUP03-20240216

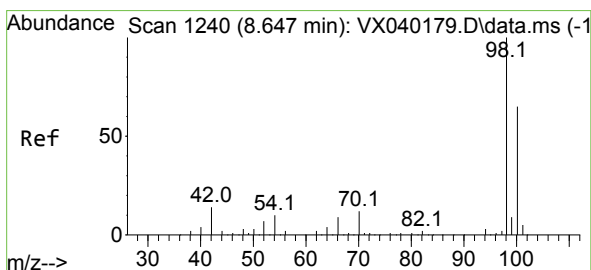
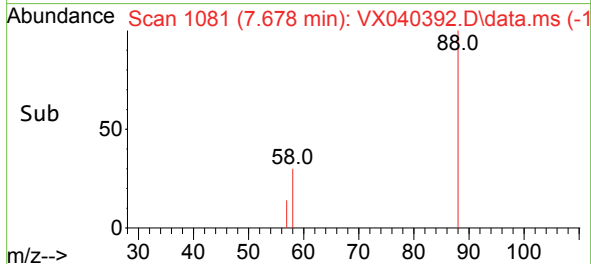
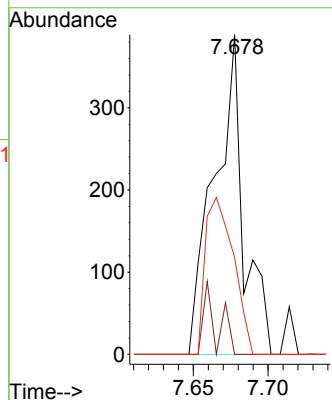
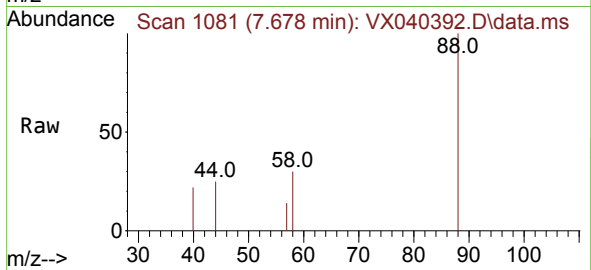
Tgt Ion: 88 Resp: 526

Ion Ratio Lower Upper

88 100

43 10.6 0.0 0.0#

58 47.5 60.1 90.1#



#50

Toluene-d8

Concen: 46.261 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX040392.D

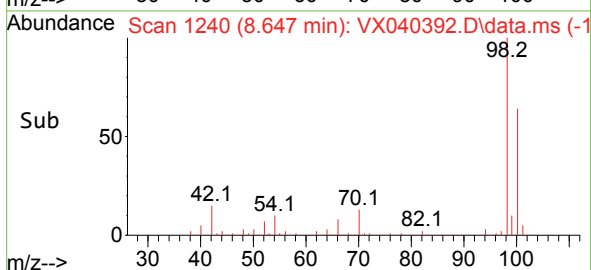
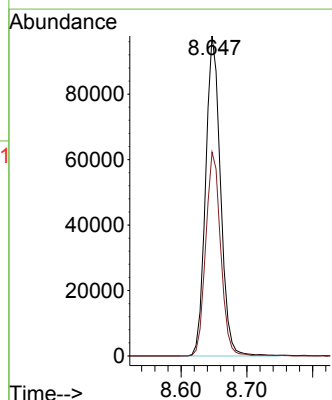
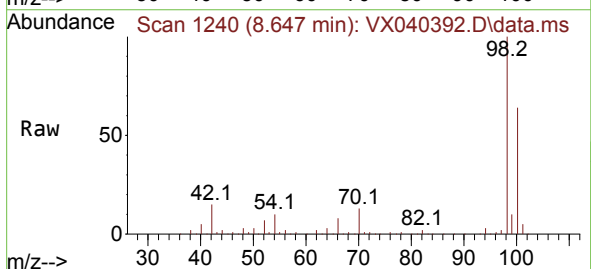
Acq: 21 Feb 2024 19:17

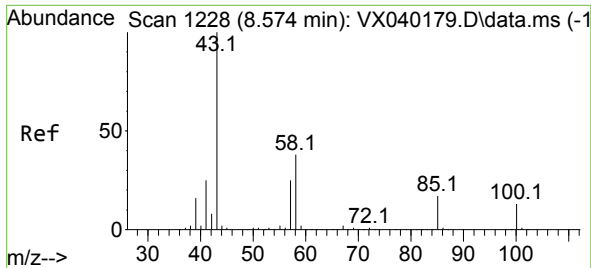
Tgt Ion: 98 Resp: 154260

Ion Ratio Lower Upper

98 100

100 63.9 53.1 79.7

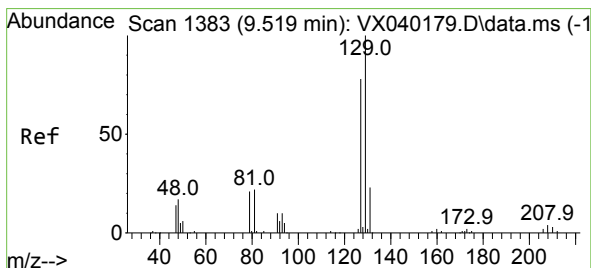
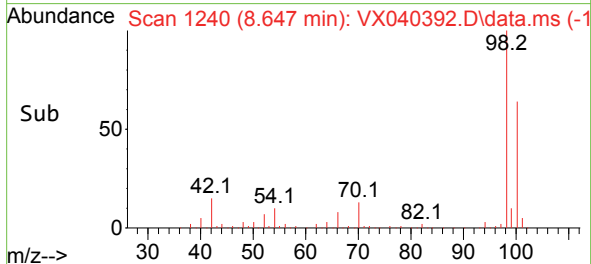
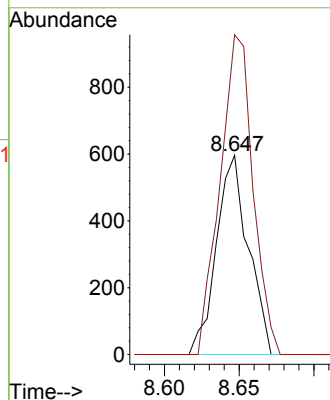
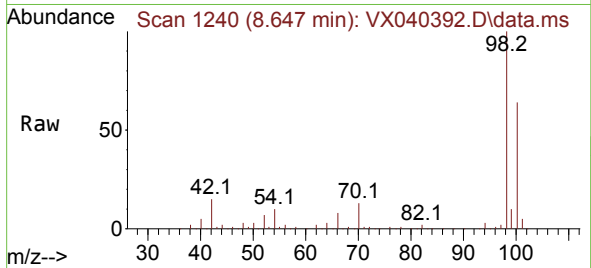




#51
4-Methyl-2-Pentanone
Concen: 0.598 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX040392.D
Acq: 21 Feb 2024 19:17

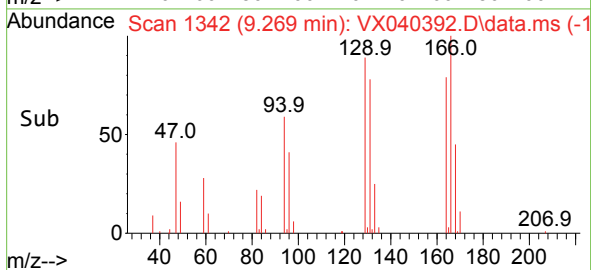
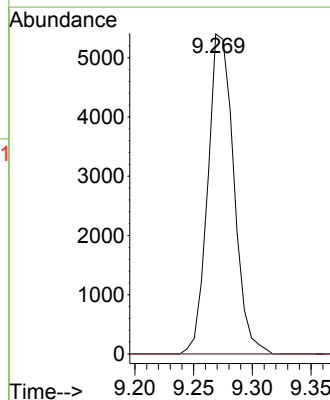
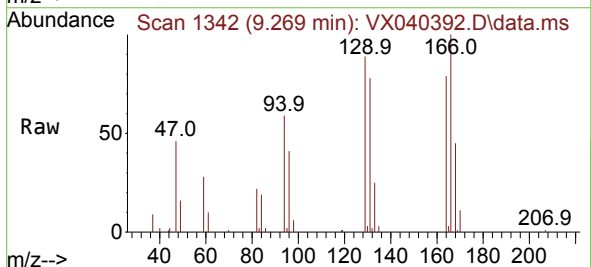
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20240216

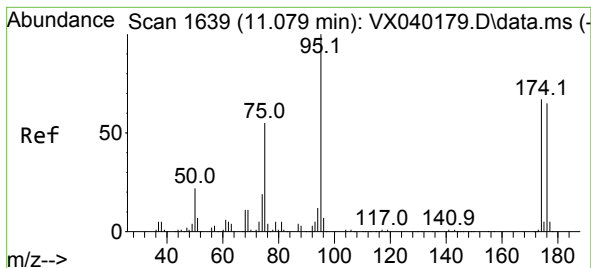
Tgt Ion: 43 Resp: 885
Ion Ratio Lower Upper
43 100
58 165.8 30.4 45.6#



#60
Dibromochloromethane
Concen: 8.368 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.250 min
Lab File: VX040392.D
Acq: 21 Feb 2024 19:17

Tgt Ion: 129 Resp: 8317
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

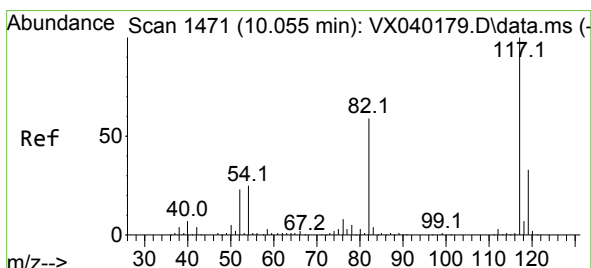
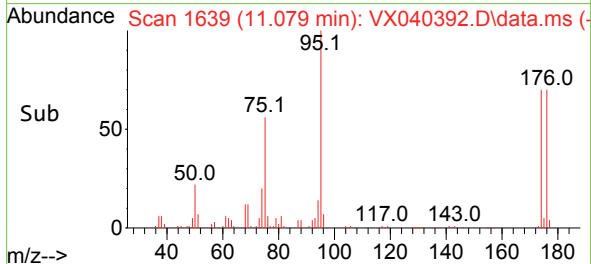
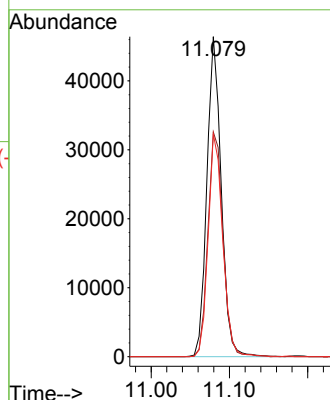
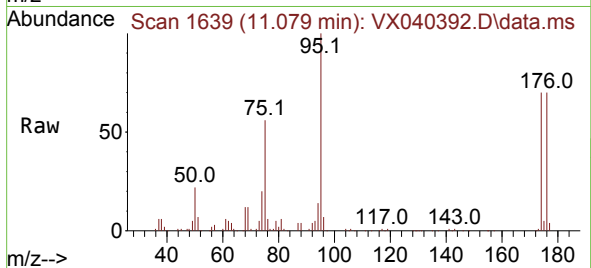




#62
4-Bromofluorobenzene
Concen: 43.235 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX040392.D
Acq: 21 Feb 2024 19:17

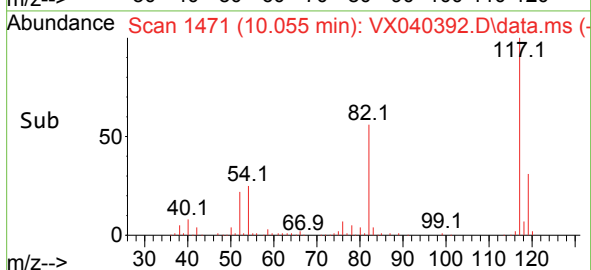
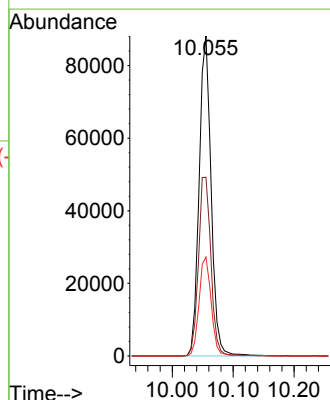
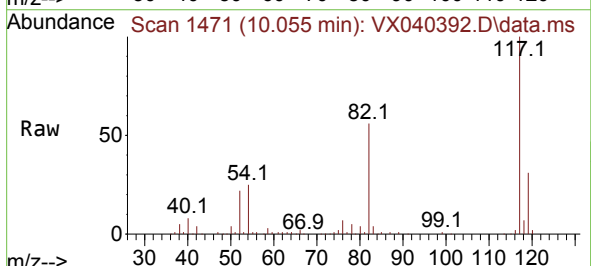
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20240216

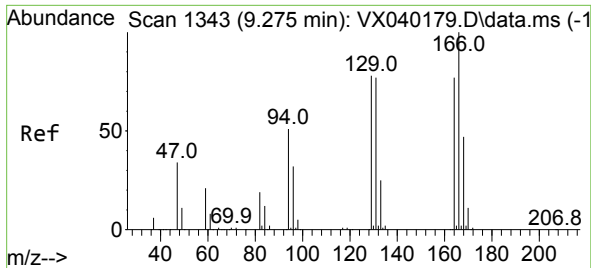
Tgt Ion: 95 Resp: 58798
Ion Ratio Lower Upper
95 100
174 74.4 0.0 135.6
176 70.8 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040392.D
Acq: 21 Feb 2024 19:17

Tgt Ion: 117 Resp: 120436
Ion Ratio Lower Upper
117 100
82 55.8 46.2 69.4
119 30.9 25.5 38.3

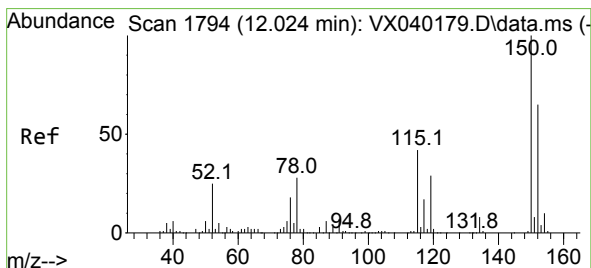
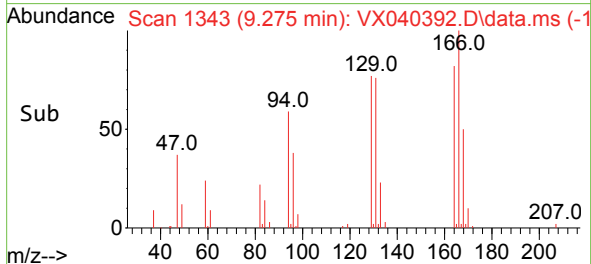
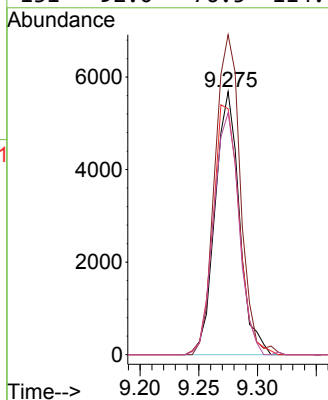
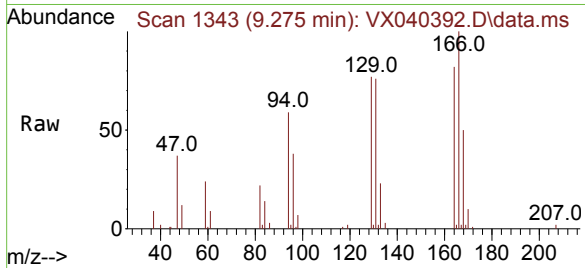




#64
Tetrachloroethene
Concen: 9.723 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX040392.D
Acq: 21 Feb 2024 19:17

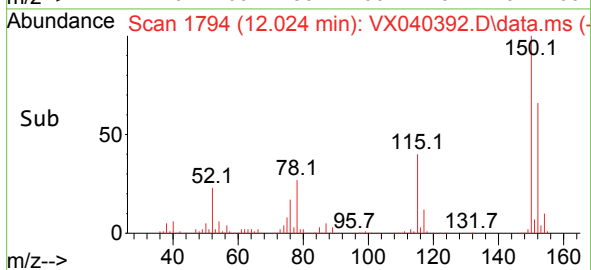
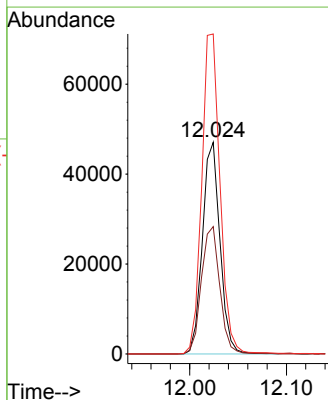
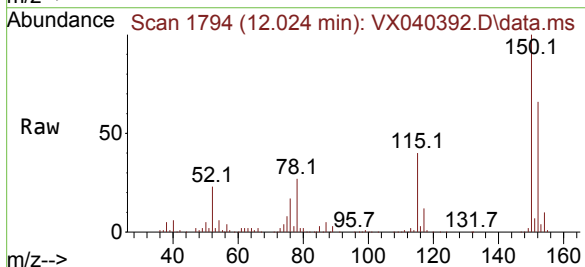
Instrument :
MSVOA_X
ClientSampleId :
DUP03-20240216

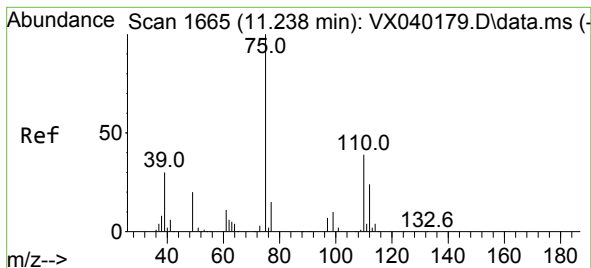
Tgt Ion:164 Resp: 8206
Ion Ratio Lower Upper
164 100
166 121.7 102.7 154.1
129 93.5 80.4 120.6
131 92.0 76.5 114.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX040392.D
Acq: 21 Feb 2024 19:17

Tgt Ion:152 Resp: 59448
Ion Ratio Lower Upper
152 100
115 63.2 43.3 129.9
150 157.7 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 27.609 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX040392.D

Acq: 21 Feb 2024 19:17

Instrument :

MSVOA_X

ClientSampleId :

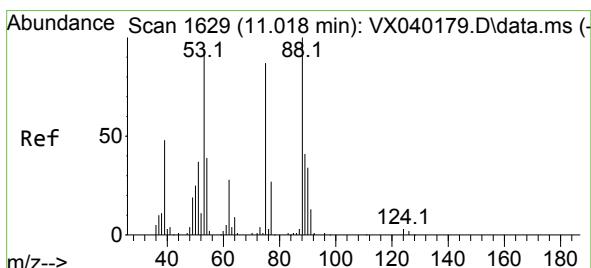
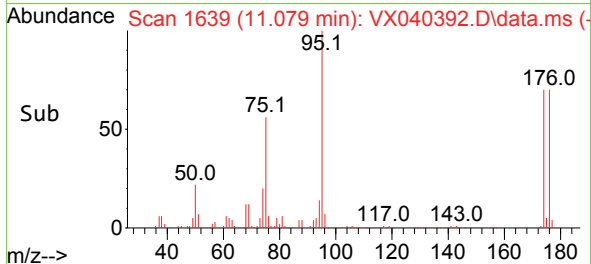
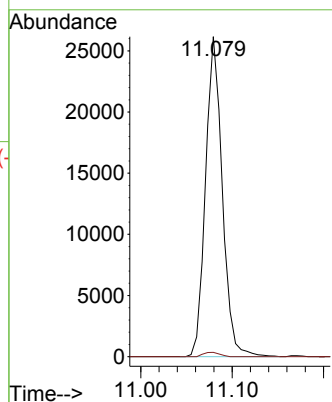
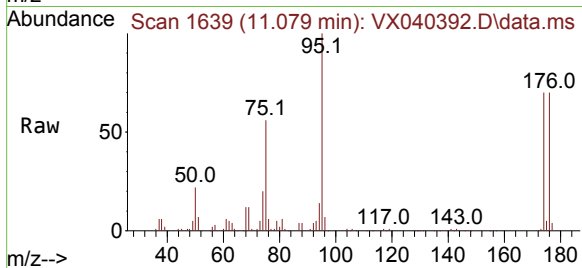
DUP03-20240216

Tgt Ion: 75 Resp: 33237

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 75.575 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX040392.D

Acq: 21 Feb 2024 19:17

Tgt Ion: 75 Resp: 33237

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

