

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112023\
 Data File : VX038960.D
 Acq On : 20 Nov 2023 15:51
 Operator : JC/MD
 Sample : 05431-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB-01-20231113

Quant Time: Nov 21 00:21:45 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)

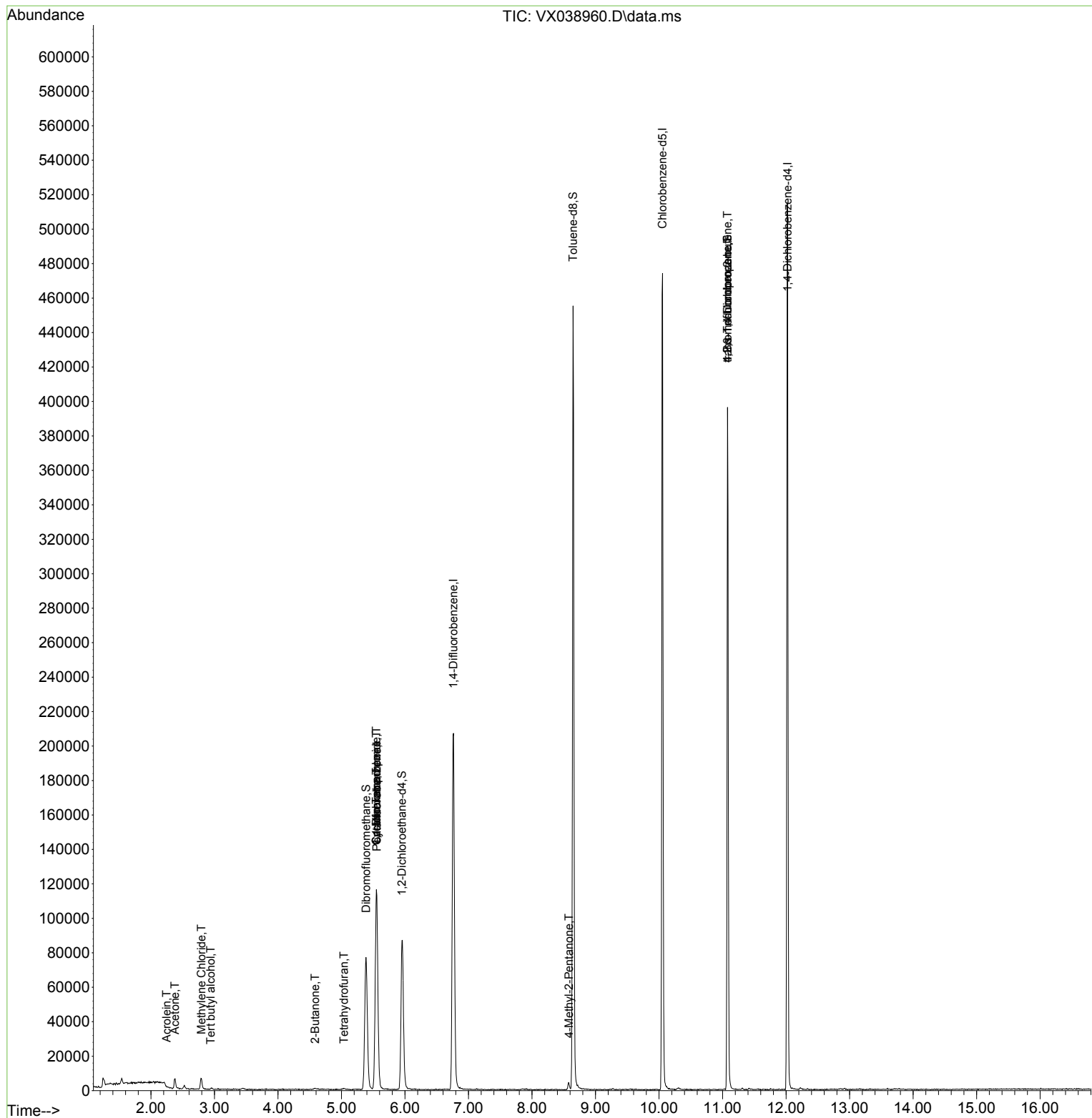
Internal Standards						
1) Pentafluorobenzene	5.556	168	105094	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	211306	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	211539	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	102453	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	84010	49.609	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.220%		
35) Dibromofluoromethane	5.385	113	67939	44.518	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.040%		
50) Toluene-d8	8.647	98	263841	45.186	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	90.380%#		
62) 4-Bromofluorobenzene	11.079	95	112029	47.930	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.860%		
Target Compounds						Qvalue
11) Tert butyl alcohol	2.940	59	738	1.567	ug/l #	92
13) Acrolein	2.245	56	75	0.301	ug/l #	1
16) Acetone	2.379	43	6625	7.349	ug/l	92
20) Methylene Chloride	2.794	84	3000	1.846	ug/l	95
25) 2-Butanone	4.586	43	1747	1.195	ug/l #	75
29) Tetrahydrofuran	5.037	42	943	1.016	ug/l #	47
31) Cyclohexane	5.550	56	2901	1.200	ug/l #	28
36) 1,1-Dichloropropene	5.550	75	9195	4.204	ug/l #	50
38) Carbon Tetrachloride	5.550	117	11736	5.806	ug/l #	17
51) 4-Methyl-2-Pentanone	8.580	43	2845	0.978	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	59248	23.178	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	59248	51.412	ug/l #	5

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

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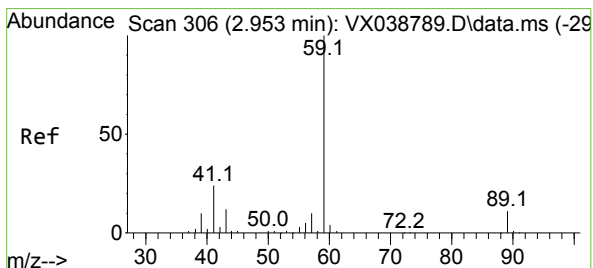
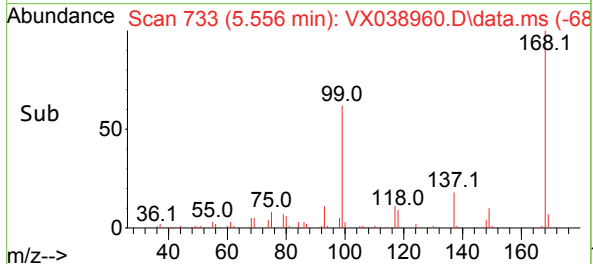
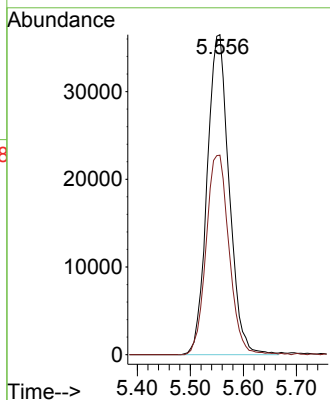
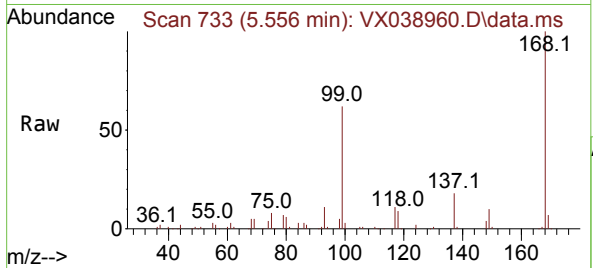




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX038960.D
Acq: 20 Nov 2023 15:51

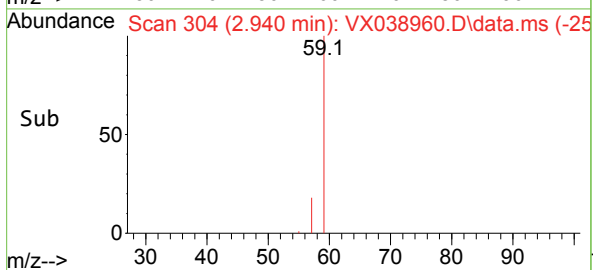
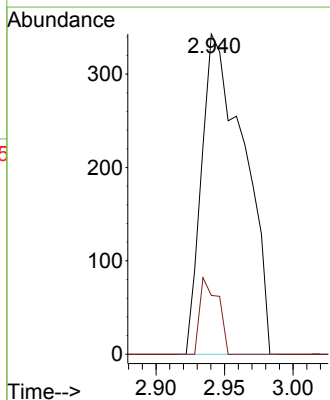
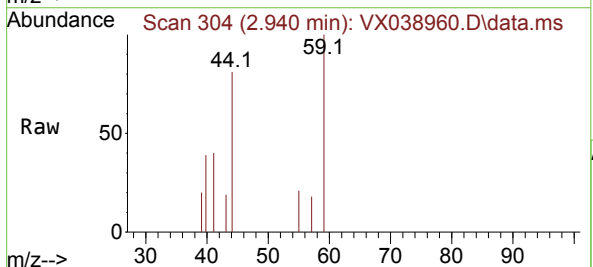
Instrument :
MSVOA_X
ClientSampleId :
FB-01-20231113

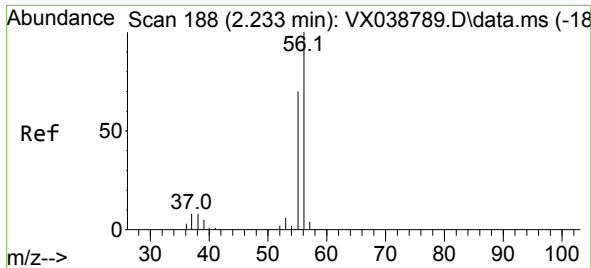
Tgt Ion:168 Resp: 105094
Ion Ratio Lower Upper
168 100
99 62.4 56.6 85.0



#11
Tert butyl alcohol
Concen: 1.567 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.012 min
Lab File: VX038960.D
Acq: 20 Nov 2023 15:51

Tgt Ion: 59 Resp: 738
Ion Ratio Lower Upper
59 100
57 10.3 6.0 9.0#

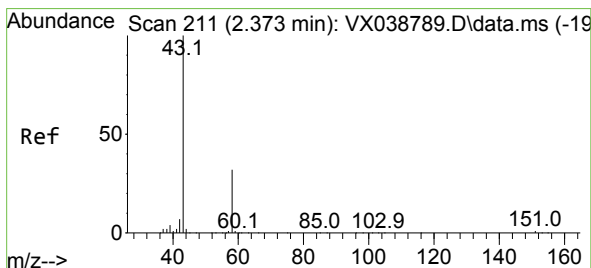
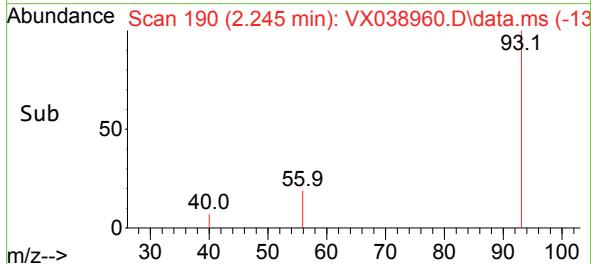
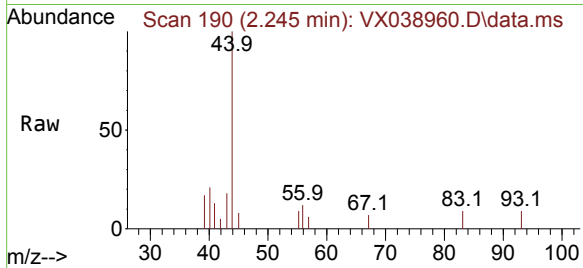




#13
Acrolein
Concen: 0.301 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.012 min
Lab File: VX038960.D
Acq: 20 Nov 2023 15:51

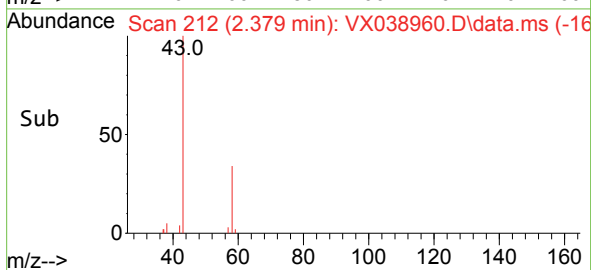
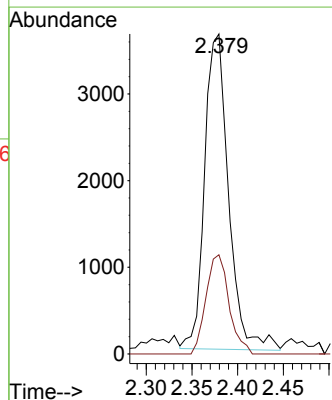
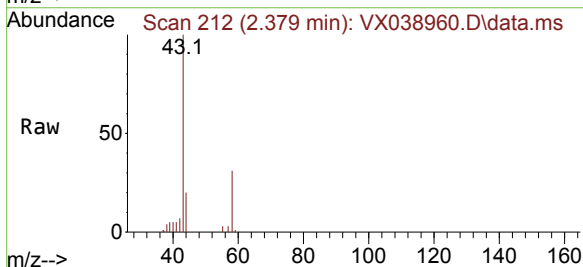
Instrument : MSVOA_X
ClientSampleId : FB-01-20231113

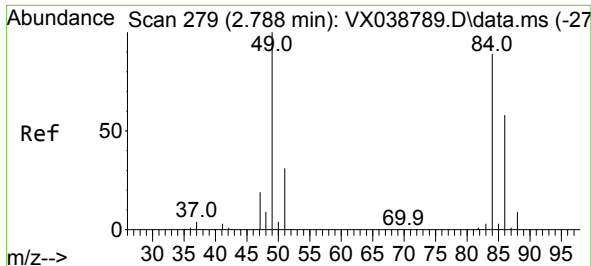
Tgt Ion: 56 Resp: 75
Ion Ratio Lower Upper
56 100
55 161.3 57.1 85.7#



#16
Acetone
Concen: 7.349 ug/l
RT: 2.379 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX038960.D
Acq: 20 Nov 2023 15:51

Tgt Ion: 43 Resp: 6625
Ion Ratio Lower Upper
43 100
58 31.5 21.9 32.9





#20

Methylene Chloride

Concen: 1.846 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX038960.D

Acq: 20 Nov 2023 15:51

Instrument :

MSVOA_X

ClientSampleId :

FB-01-20231113

Tgt Ion: 84 Resp: 3000

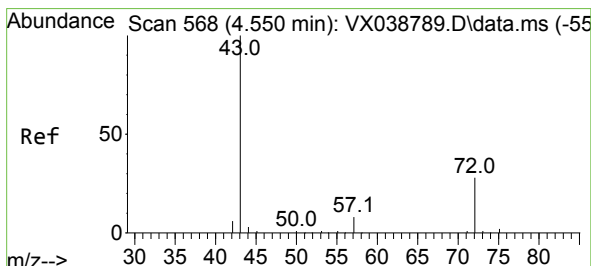
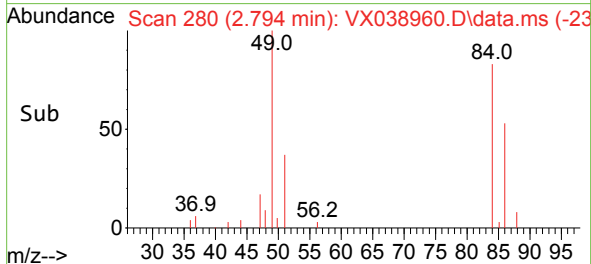
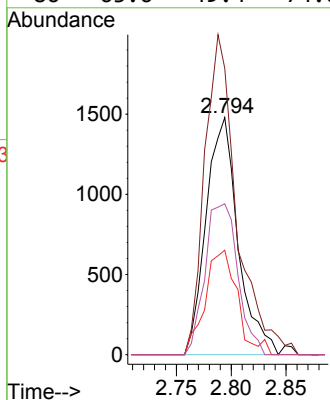
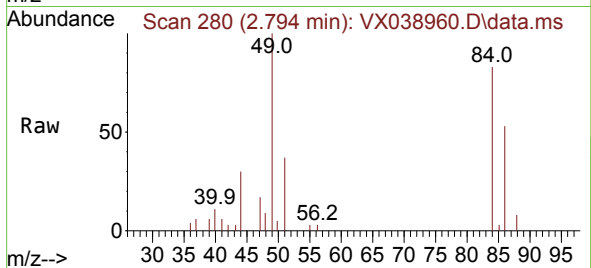
Ion Ratio Lower Upper

84 100

49 120.8 103.6 155.4

51 44.1 33.8 50.6

86 63.6 49.4 74.0



#25

2-Butanone

Concen: 1.195 ug/l

RT: 4.586 min Scan# 574

Delta R.T. 0.036 min

Lab File: VX038960.D

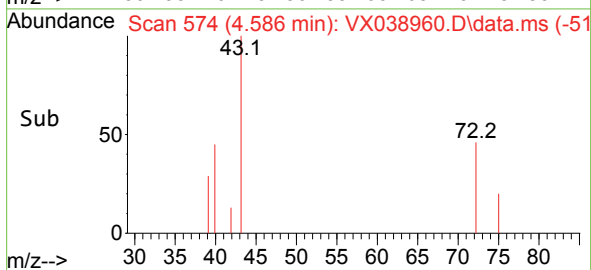
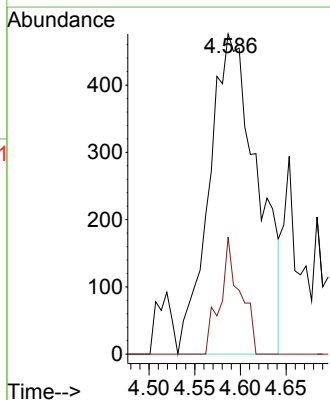
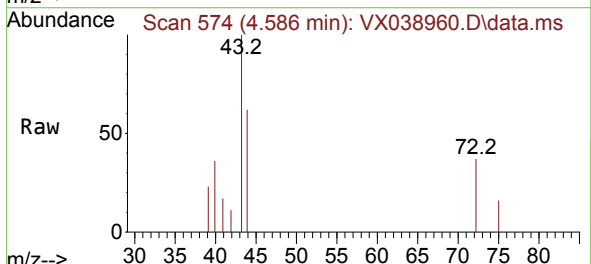
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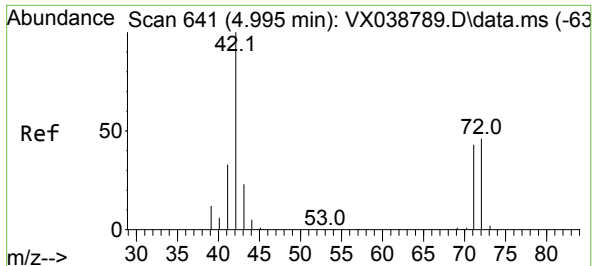
Tgt Ion: 43 Resp: 1747

Ion Ratio Lower Upper

43 100

72 36.6 19.4 29.2#





#29

Tetrahydrofuran

Concen: 1.016 ug/l

RT: 5.037 min Scan# 641

Delta R.T. 0.043 min

Lab File: VX038960.D

Acq: 20 Nov 2023 15:51

Instrument :

MSVOA_X

ClientSampleId :

FB-01-20231113

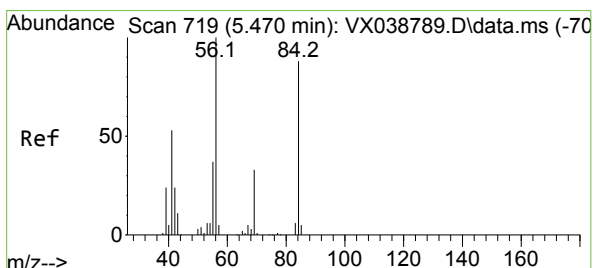
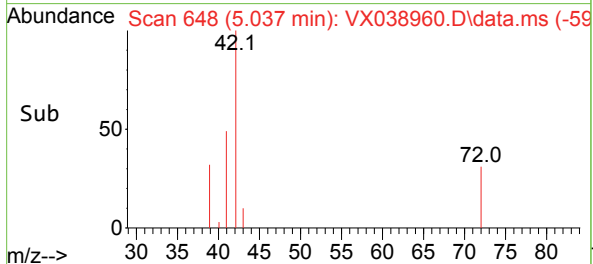
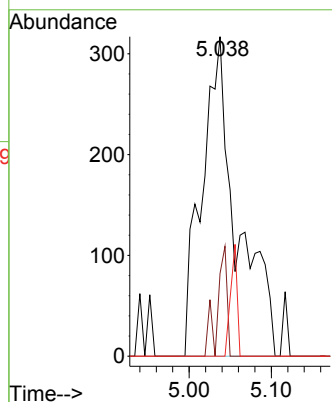
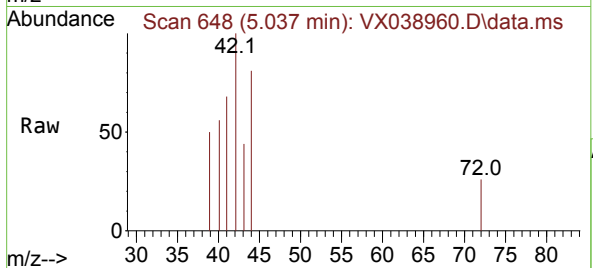
Tgt Ion: 42 Resp: 943

Ion Ratio Lower Upper

42 100

72 9.5 34.2 51.4#

71 6.6 32.2 48.2#



#31

Cyclohexane

Concen: 1.200 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX038960.D

Acq: 20 Nov 2023 15:51

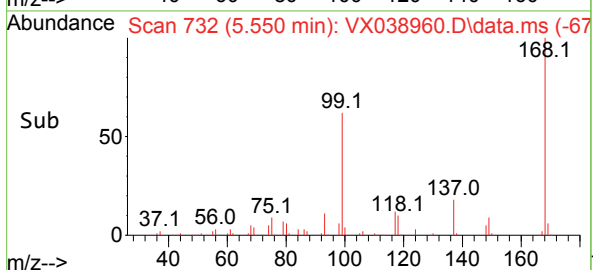
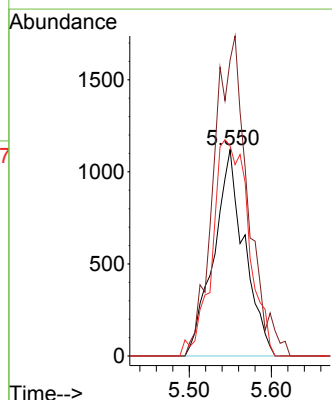
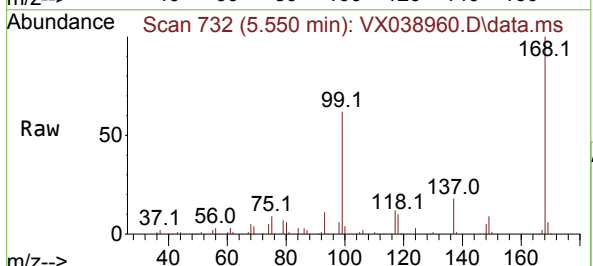
Tgt Ion: 56 Resp: 2901

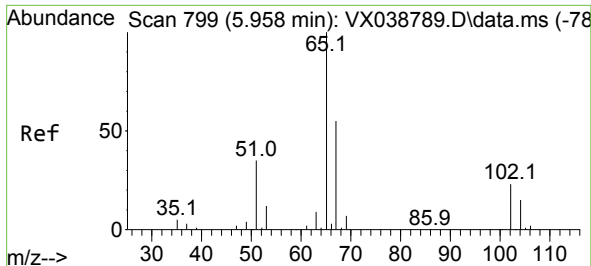
Ion Ratio Lower Upper

56 100

69 143.4 23.4 35.2#

84 101.8 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 49.609 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX038960.D

Acq: 20 Nov 2023 15:51

Instrument :

MSVOA_X

ClientSampleId :

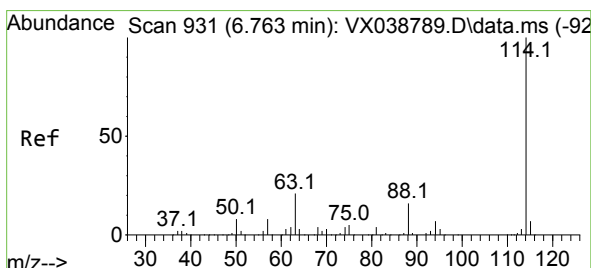
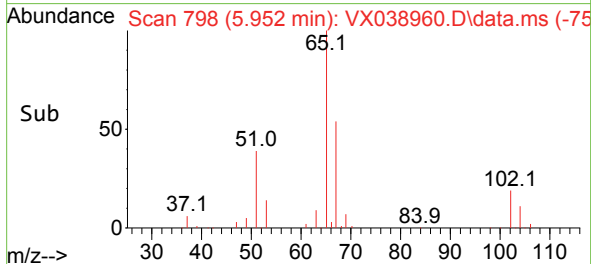
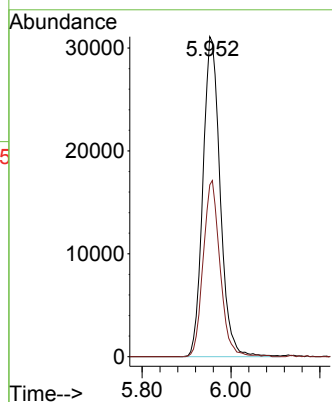
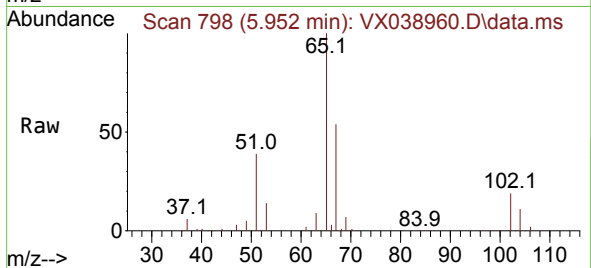
FB-01-20231113

Tgt Ion: 65 Resp: 84010

Ion Ratio Lower Upper

65 100

67 53.7 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: VX038960.D

Acq: 20 Nov 2023 15:51

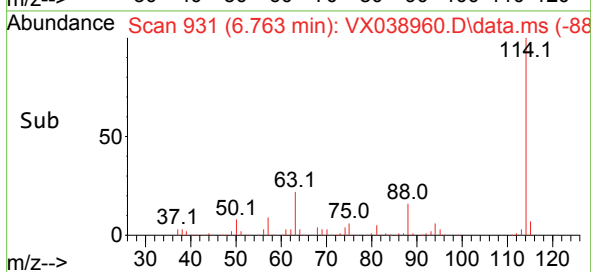
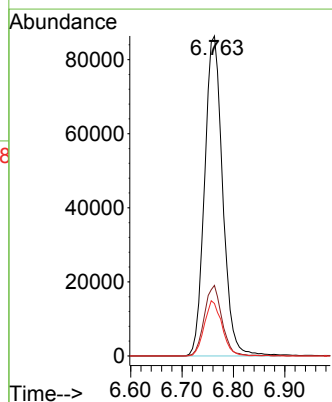
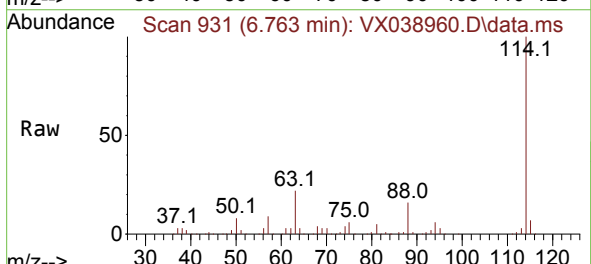
Tgt Ion: 114 Resp: 211306

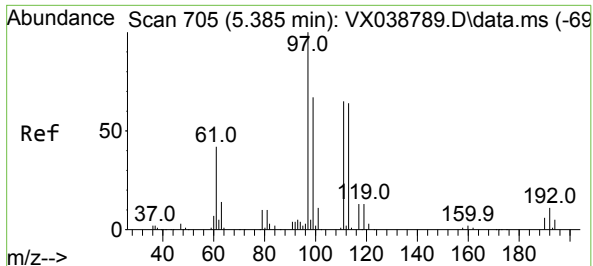
Ion Ratio Lower Upper

114 100

63 22.0 0.0 45.0

88 16.4 0.0 36.6

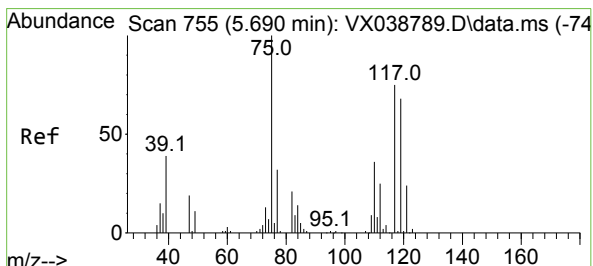
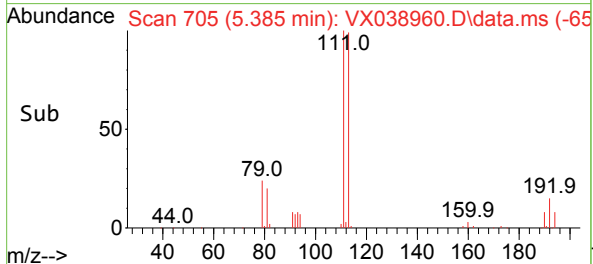
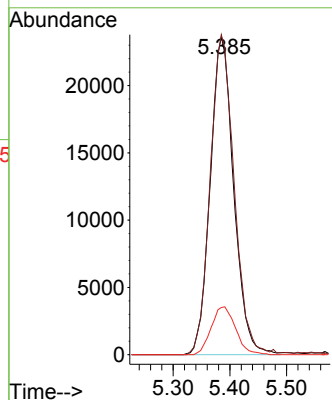
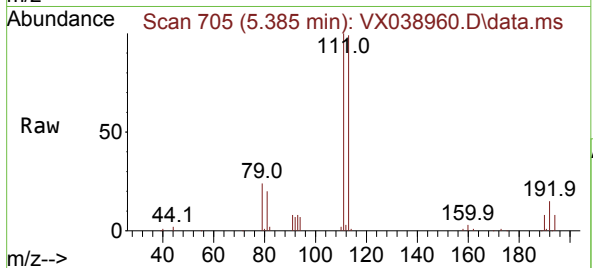




#35
Dibromofluoromethane
Concen: 44.518 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX038960.D
Acq: 20 Nov 2023 15:51

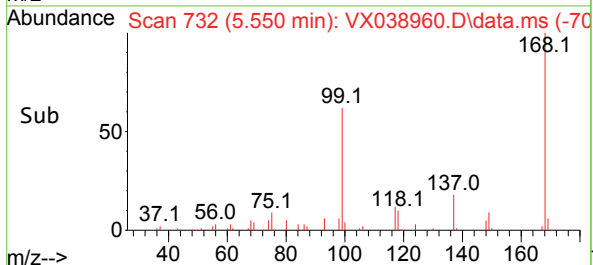
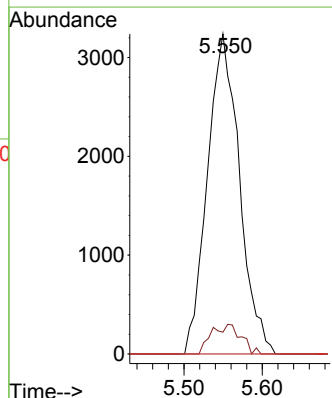
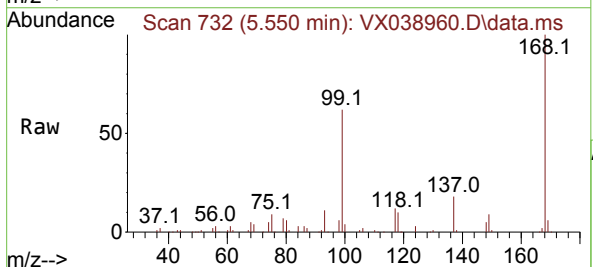
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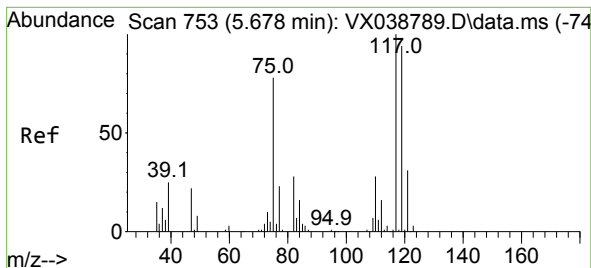
Tgt Ion:113 Resp: 67939
Ion Ratio Lower Upper
113 100
111 102.5 82.9 124.3
192 15.6 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.204 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX038960.D
Acq: 20 Nov 2023 15:51

Tgt Ion: 75 Resp: 9195
Ion Ratio Lower Upper
75 100
110 8.6 17.0 50.9#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 5.806 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.128 min

Lab File: VX038960.D

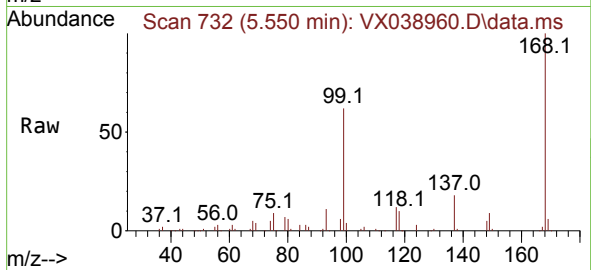
Acq: 20 Nov 2023 15:51

Instrument :

MSVOA_X

ClientSampleId :

FB-01-20231113



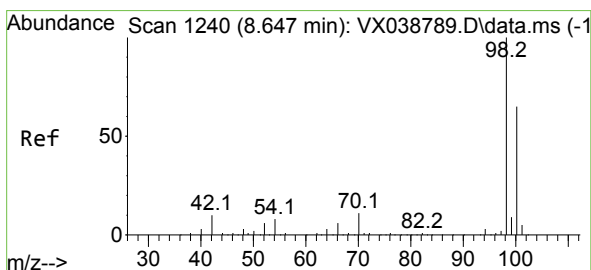
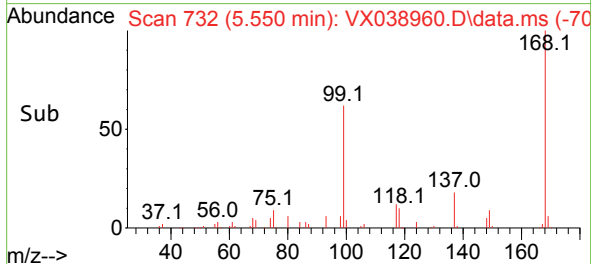
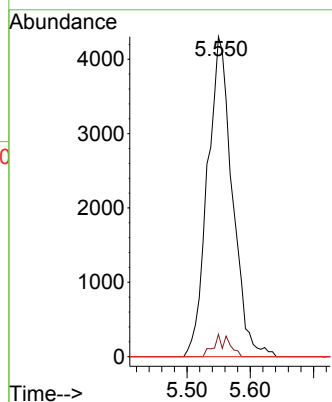
Tgt Ion:117 Resp: 11736

Ion Ratio Lower Upper

117 100

119 7.0 78.2 117.2#

121 0.0 24.4 36.6#



#50

Toluene-d8

Concen: 45.186 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX038960.D

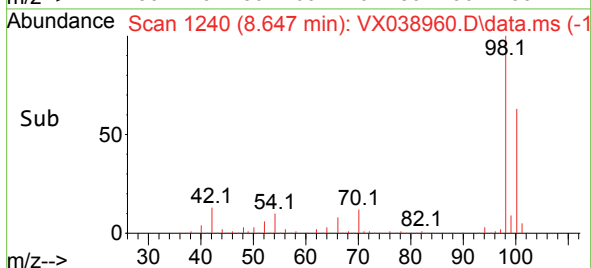
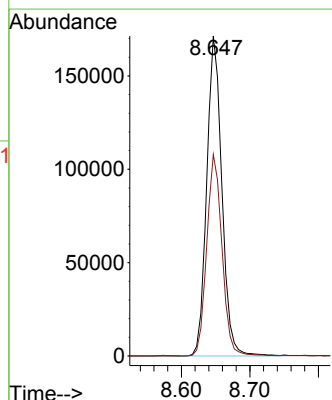
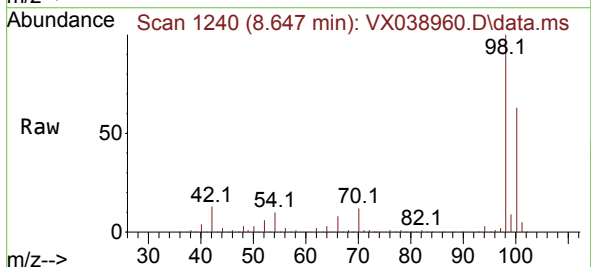
Acq: 20 Nov 2023 15:51

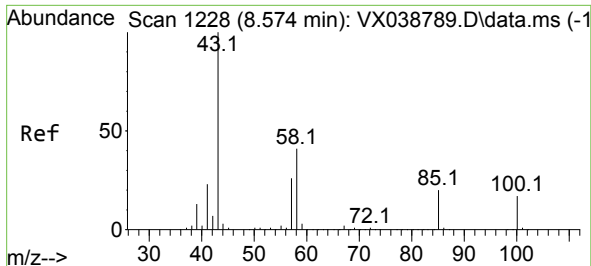
Tgt Ion: 98 Resp: 263841

Ion Ratio Lower Upper

98 100

100 63.5 53.1 79.7

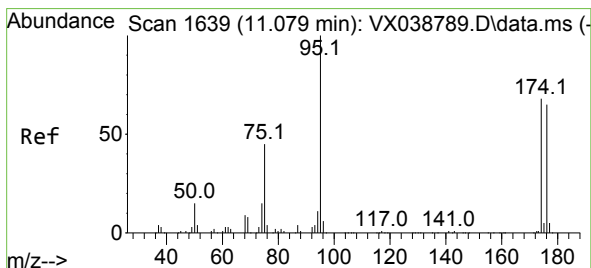
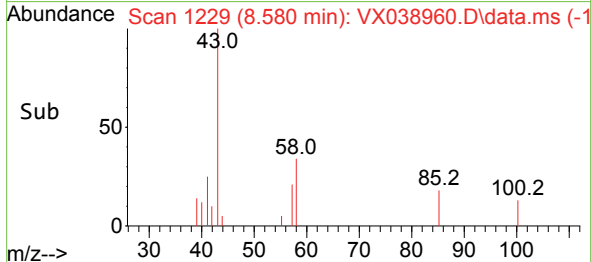
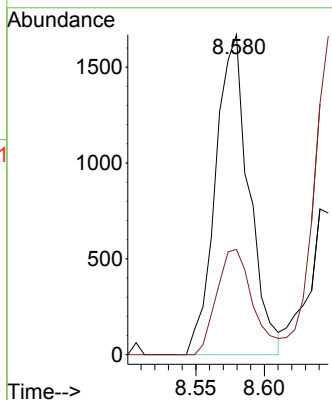
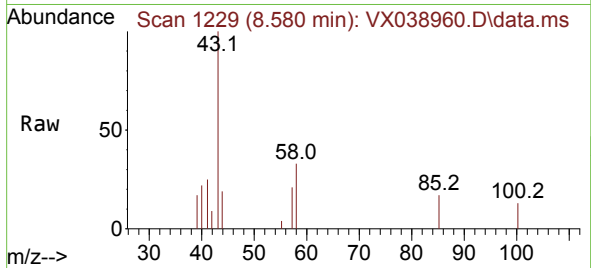




#51
4-Methyl-2-Pentanone
Concen: 0.978 ug/l
RT: 8.580 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX038960.D
Acq: 20 Nov 2023 15:51

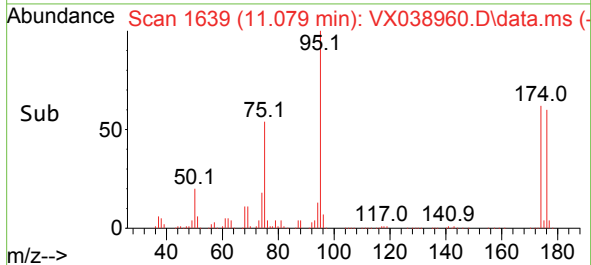
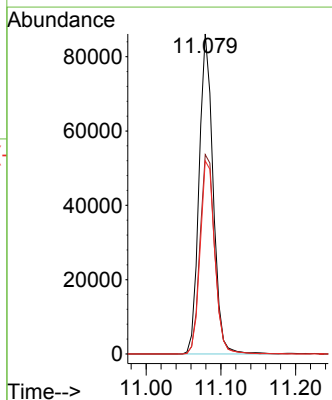
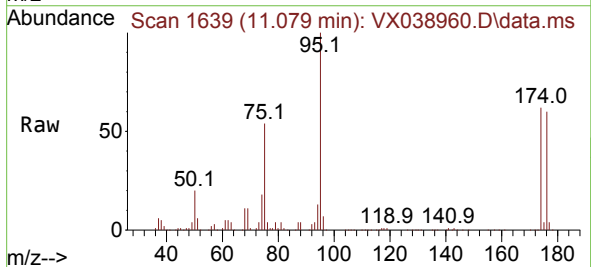
Instrument :
MSVOA_X
ClientSampleId :
FB-01-20231113

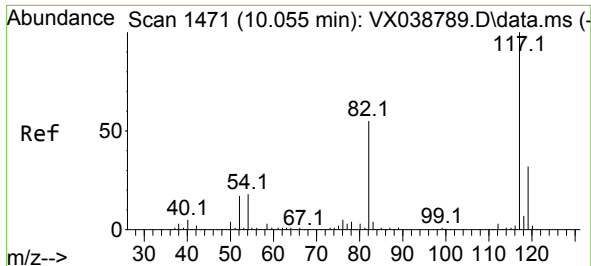
Tgt Ion: 43 Resp: 2845
Ion Ratio Lower Upper
43 100
58 35.5 30.4 45.6



#62
4-Bromofluorobenzene
Concen: 47.930 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX038960.D
Acq: 20 Nov 2023 15:51

Tgt Ion: 95 Resp: 112029
Ion Ratio Lower Upper
95 100
174 65.6 0.0 135.6
176 62.9 0.0 131.0

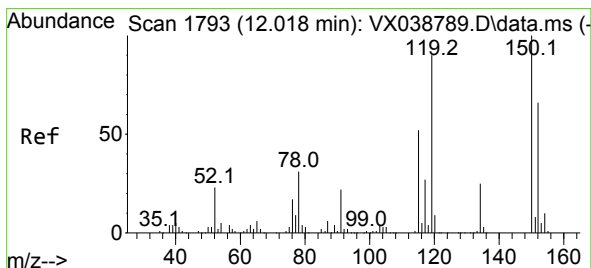
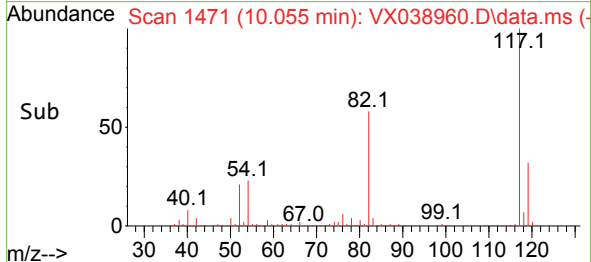
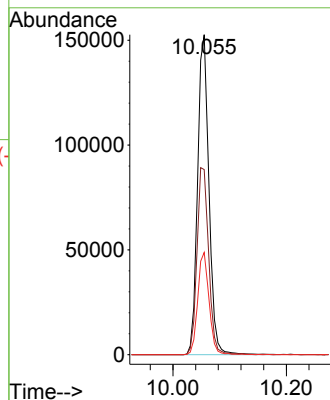
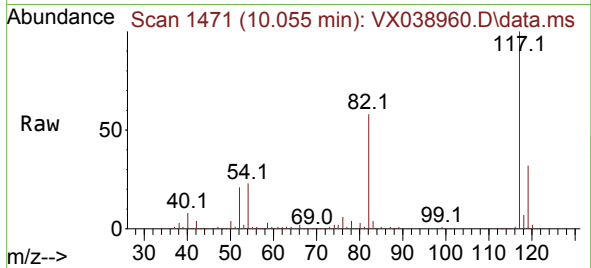




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX038960.D
Acq: 20 Nov 2023 15:51

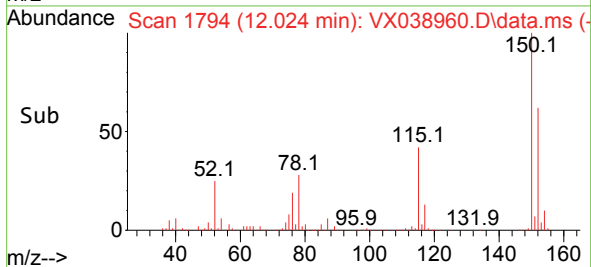
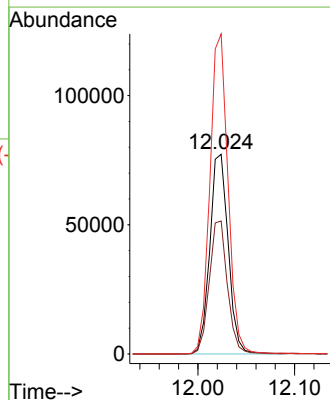
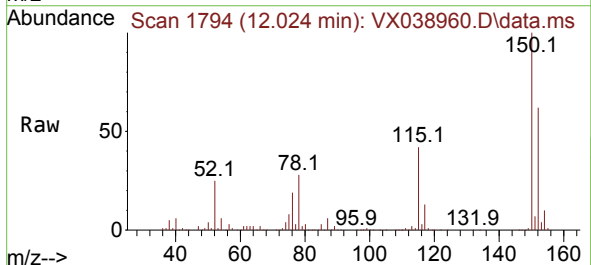
Instrument :
MSVOA_X
ClientSampleId :
FB-01-20231113

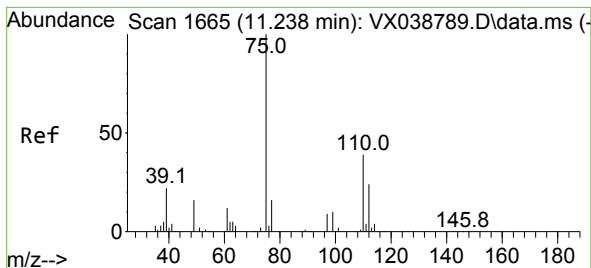
Tgt Ion:117 Resp: 211539
Ion Ratio Lower Upper
117 100
82 57.9 46.2 69.4
119 32.0 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX038960.D
Acq: 20 Nov 2023 15:51

Tgt Ion:152 Resp: 102453
Ion Ratio Lower Upper
152 100
115 65.9 43.3 129.9
150 157.1 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 23.178 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX038960.D

Acq: 20 Nov 2023 15:51

Instrument :

MSVOA_X

ClientSampleId :

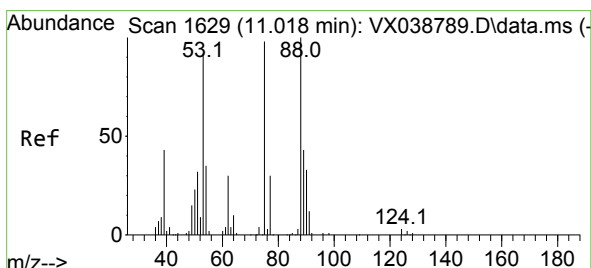
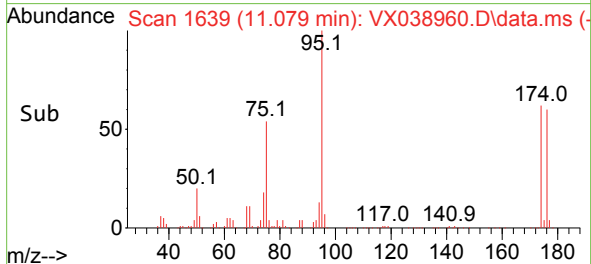
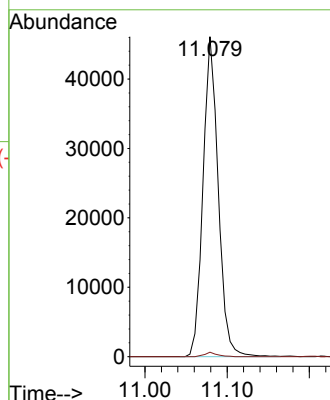
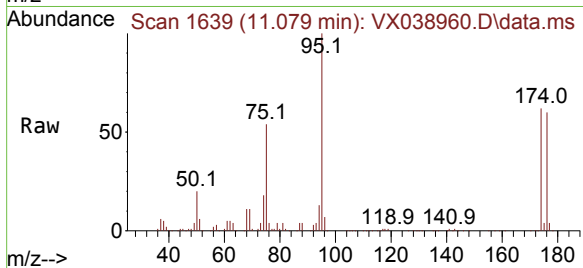
FB-01-20231113

Tgt Ion: 75 Resp: 59248

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 51.412 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038960.D

Acq: 20 Nov 2023 15:51

Tgt Ion: 75 Resp: 59248

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

