

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091923\
 Data File : VX037807.D
 Acq On : 19 Sep 2023 15:40
 Operator : JC/MD
 Sample : 04479-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 20 01:03:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 16 04:55:44 2023
 Response via : Initial Calibration

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

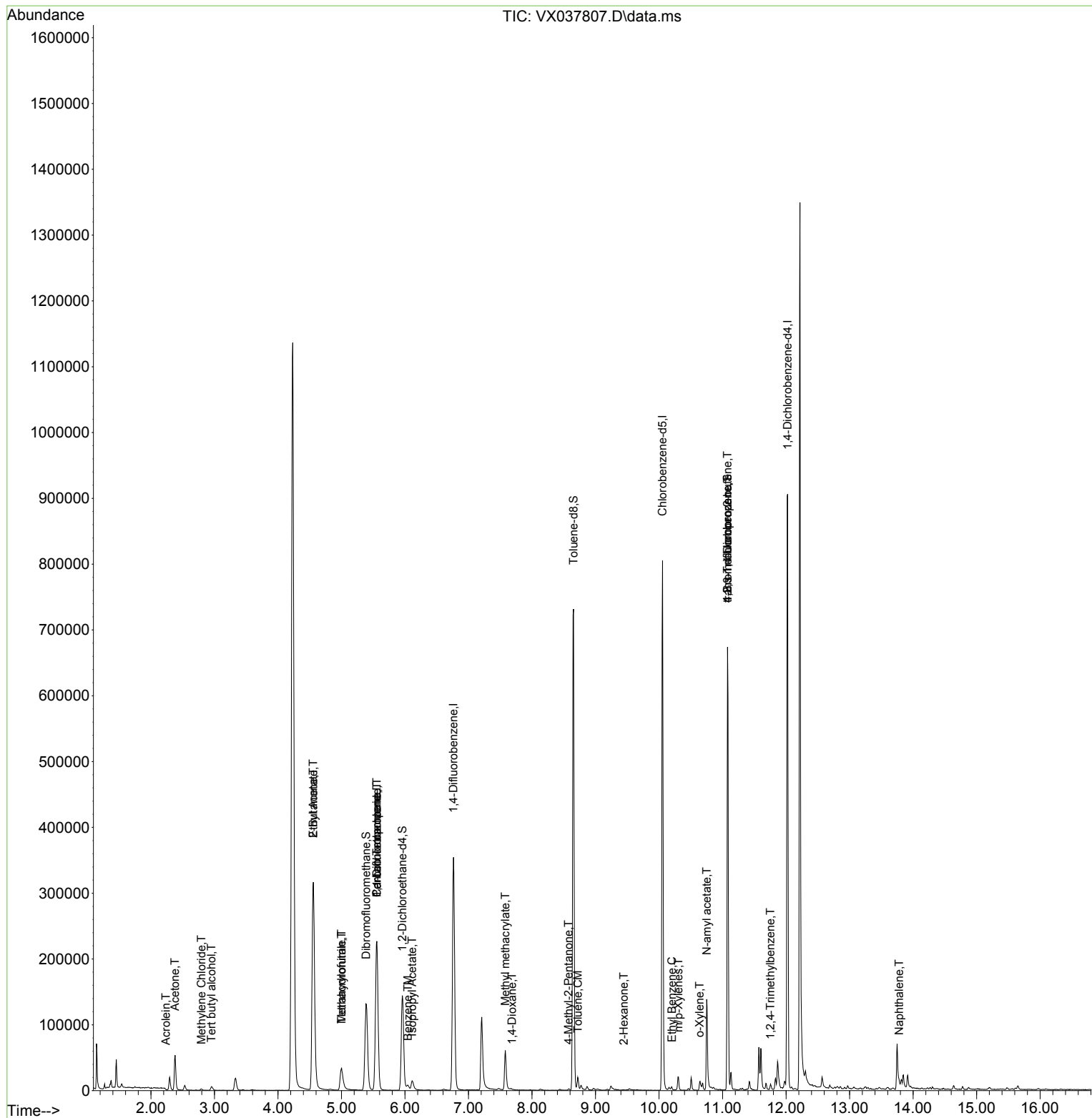
Internal Standards						
1) Pentafluorobenzene	5.556	168	221672	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	373668	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	361713	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	190628	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	137362	47.164	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.320%		
35) Dibromofluoromethane	5.385	113	118587	47.430	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.860%		
50) Toluene-d8	8.653	98	458122	49.314	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.620%		
62) 4-Bromofluorobenzene	11.079	95	172590	51.126	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.260%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.953	59	6472	10.353	ug/l	# 91
13) Acrolein	2.233	56	157	0.254	ug/l	# 14
16) Acetone	2.380	43	55041	39.285	ug/l	# 86
20) Methylene Chloride	2.794	84	1063	0.385	ug/l	# 94
25) 2-Butanone	4.556	43	550774	278.574	ug/l	# 90
29) Tetrahydrofuran	5.001	42	2052	1.669	ug/l	# 39
36) 1,1-Dichloropropene	5.556	75	16804	4.879	ug/l	# 51
37) Ethyl Acetate	4.556	43	550774	145.462	ug/l	# 69
38) Carbon Tetrachloride	5.556	117	22847	6.340	ug/l	# 15
40) Benzene	6.044	78	9027	0.852	ug/l	# 96
41) Methacrylonitrile	5.001	41	8689	4.501	ug/l	# 49
43) Isopropyl Acetate	6.111	43	12689	2.096	ug/l	# 62
48) Methyl methacrylate	7.580	41	15526	5.364	ug/l	# 49
49) 1,4-Dioxane	7.684	88	594	7.828	ug/l	# 34
51) 4-Methyl-2-Pentanone	8.574	43	1498	0.390	ug/l	# 96
52) Toluene	8.720	92	6072	0.890	ug/l	# 91
59) 2-Hexanone	9.445	43	835	0.279	ug/l	# 47
67) Ethyl Benzene	10.201	91	3033	0.224	ug/l	# 87
68) m/p-Xylenes	10.305	106	4911	0.940	ug/l	# 92
69) o-Xylene	10.640	106	3048	0.582	ug/l	# 95
74) N-amyl acetate	10.750	43	25203	4.450	ug/l	# 1
76) 1,2,3-Trichloropropane	11.079	75	89093	20.207	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	89093	64.730	ug/l	# 5
84) 1,2,4-Trimethylbenzene	11.756	105	3200	0.272	ug/l	# 94
95) Naphthalene	13.780	128	2755	0.210	ug/l	# 98

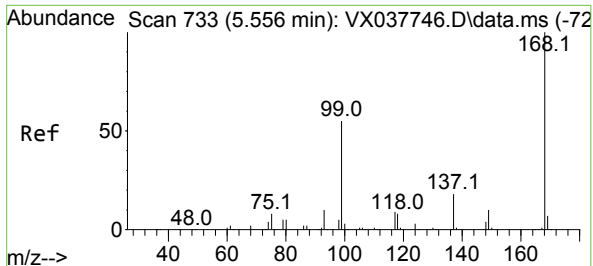
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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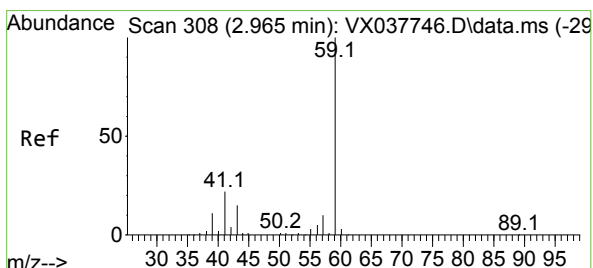
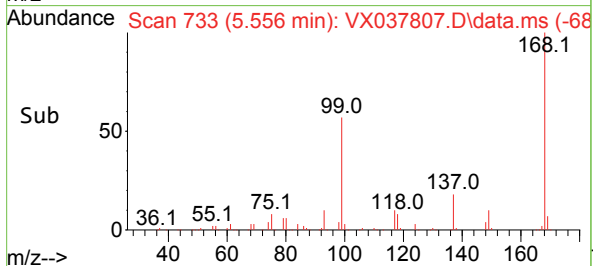
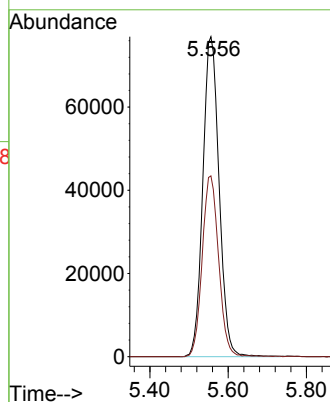
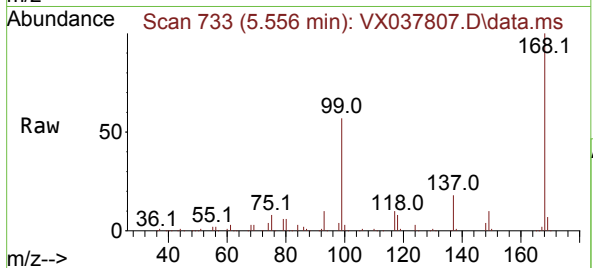




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037807.D
Acq: 19 Sep 2023 15:40

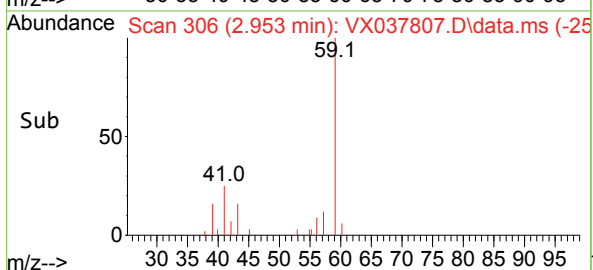
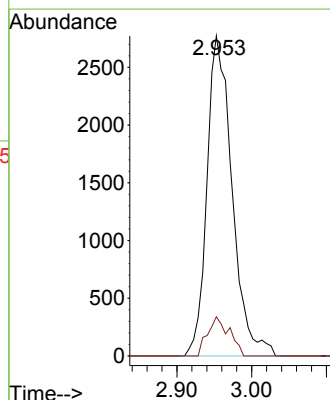
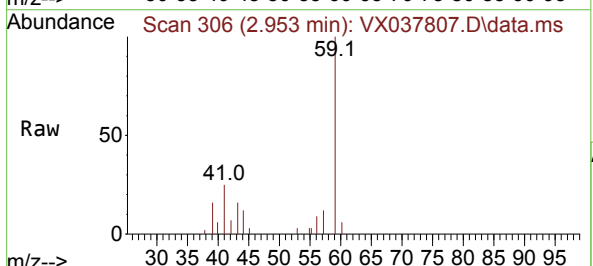
Instrument :
MSVOA_X
ClientSampleId :

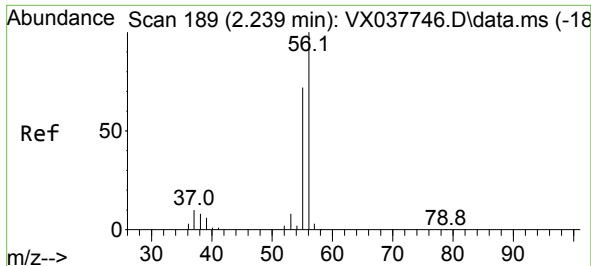
Tgt Ion:168 Resp: 221672
Ion Ratio Lower Upper
168 100
99 56.5 56.6 85.0#



#11
Tert butyl alcohol
Concen: 10.353 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.012 min
Lab File: VX037807.D
Acq: 19 Sep 2023 15:40

Tgt Ion: 59 Resp: 6472
Ion Ratio Lower Upper
59 100
57 10.6 6.0 9.0#





#13

Acrolein

Concen: 0.254 ug/l

RT: 2.233 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX037807.D

Acq: 19 Sep 2023 15:40

Instrument :

MSVOA_X

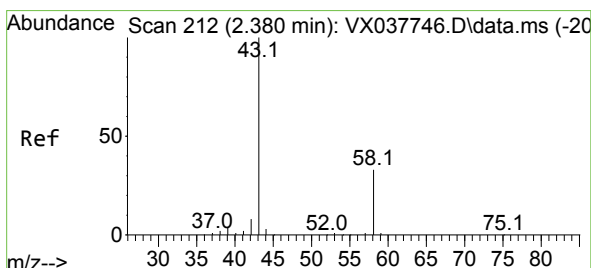
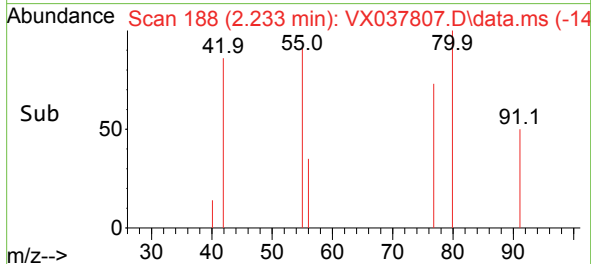
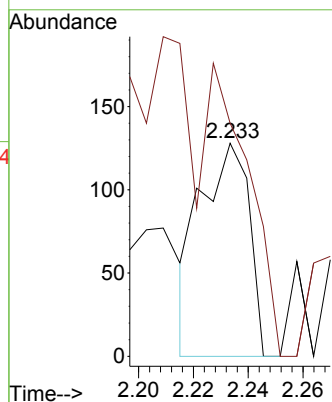
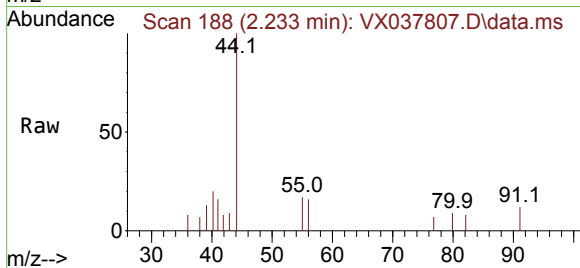
ClientSampleId :

Tgt Ion: 56 Resp: 157

Ion Ratio Lower Upper

56 100

55 0.0 57.1 85.7#



#16

Acetone

Concen: 39.285 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX037807.D

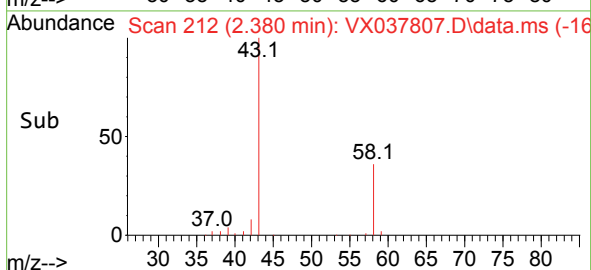
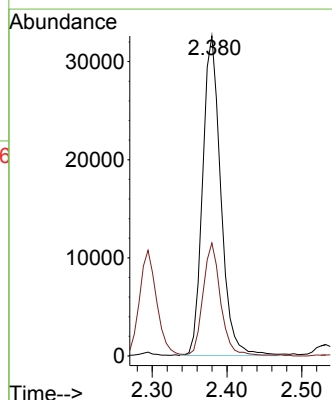
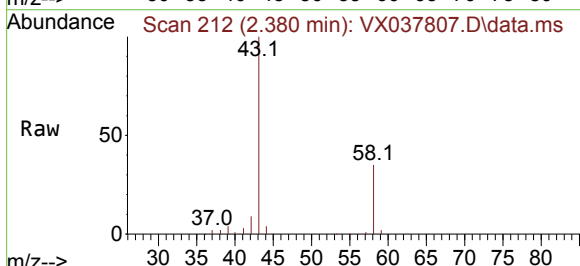
Acq: 19 Sep 2023 15:40

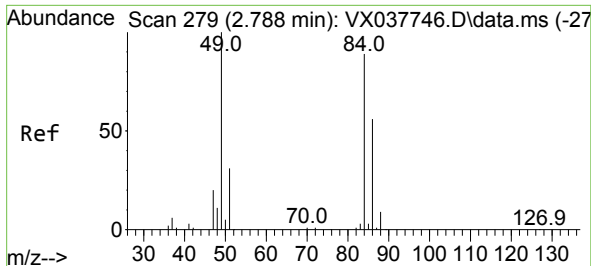
Tgt Ion: 43 Resp: 55041

Ion Ratio Lower Upper

43 100

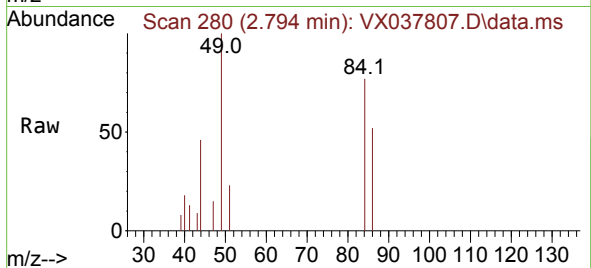
58 34.9 21.9 32.9#



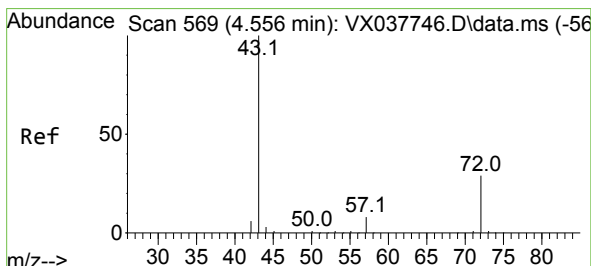
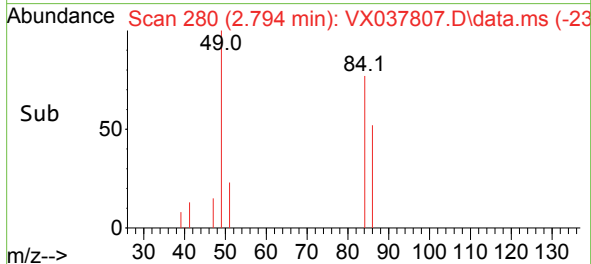
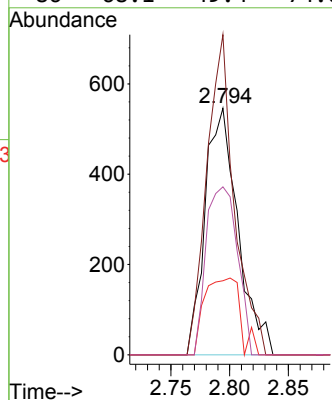


#20
Methylene Chloride
Concen: 0.385 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX037807.D
Acq: 19 Sep 2023 15:40

Instrument :
MSVOA_X
ClientSampleId :

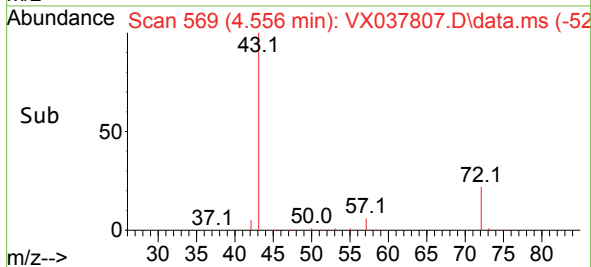
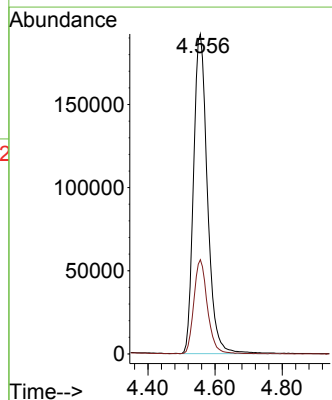
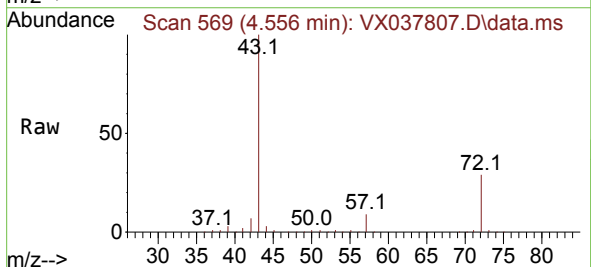


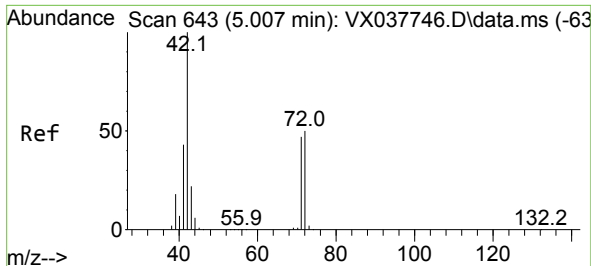
Tgt Ion:	84	Resp:	1063
Ion	Ratio	Lower	Upper
84	100		
49	129.9	103.6	155.4
51	30.0	33.8	50.6#
86	68.1	49.4	74.0



#25
2-Butanone
Concen: 278.574 ug/l
RT: 4.556 min Scan# 569
Delta R.T. -0.012 min
Lab File: VX037807.D
Acq: 19 Sep 2023 15:40

Tgt Ion:	43	Resp:	550774
Ion	Ratio	Lower	Upper
43	100		
72	29.4	19.4	29.2#





#29

Tetrahydrofuran

Concen: 1.669 ug/l

RT: 5.001 min Scan# 643

Delta R.T. -0.012 min

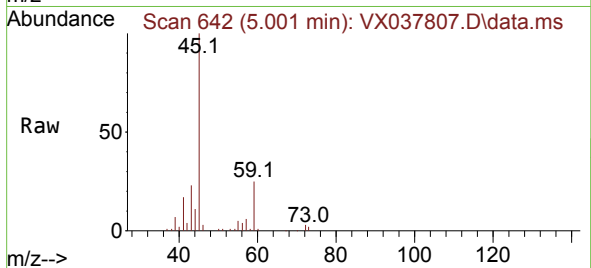
Lab File: VX037807.D

Acq: 19 Sep 2023 15:40

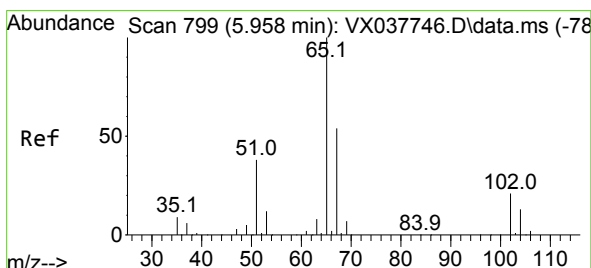
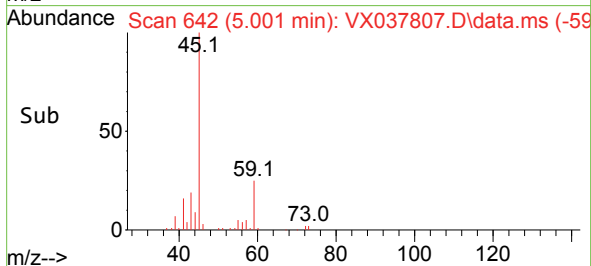
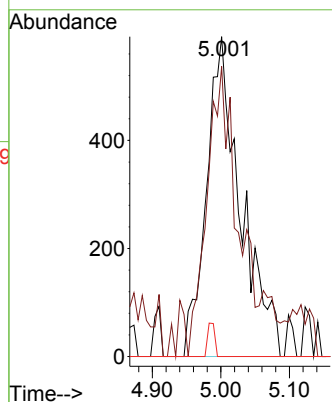
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	42	Resp:	2052
Ion Ratio	Lower	Upper	
42	100		
72	81.3	34.2	51.4#
71	2.2	32.2	48.2#



#33

1,2-Dichloroethane-d4

Concen: 47.164 ug/l

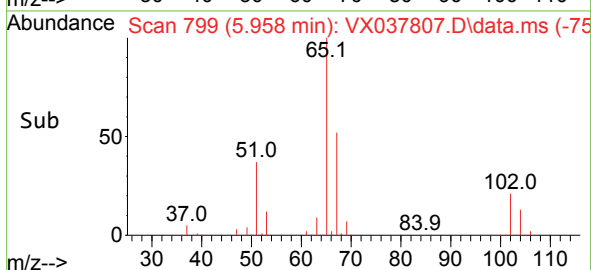
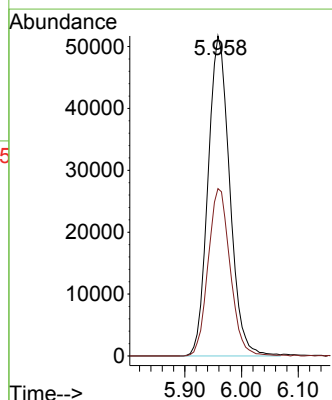
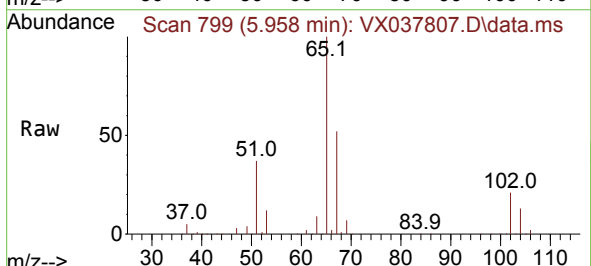
RT: 5.958 min Scan# 799

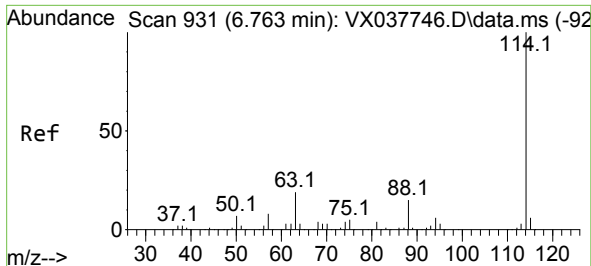
Delta R.T. 0.000 min

Lab File: VX037807.D

Acq: 19 Sep 2023 15:40

Tgt Ion:	65	Resp:	137362
Ion Ratio	Lower	Upper	
65	100		
67	53.1	0.0	100.2

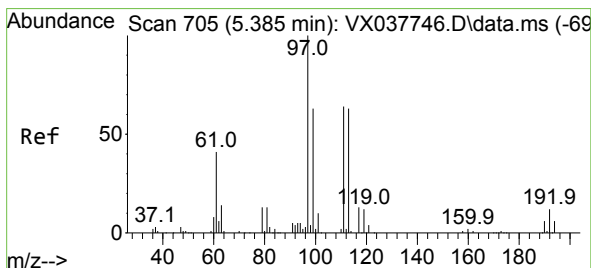
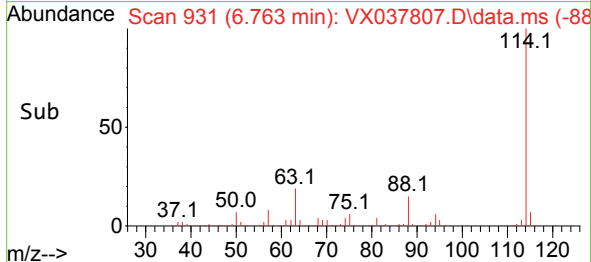
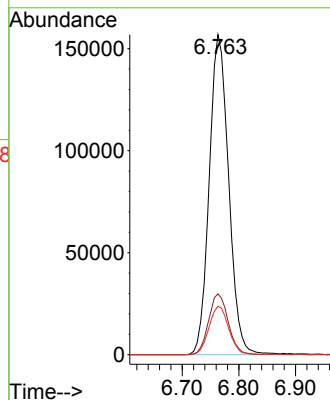
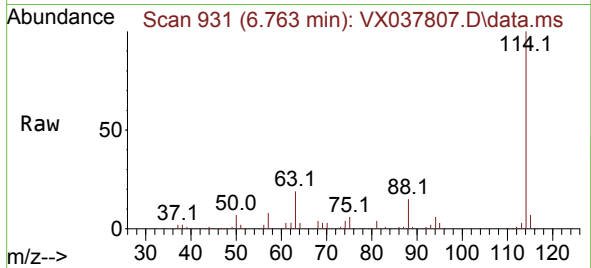




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX037807.D
Acq: 19 Sep 2023 15:40

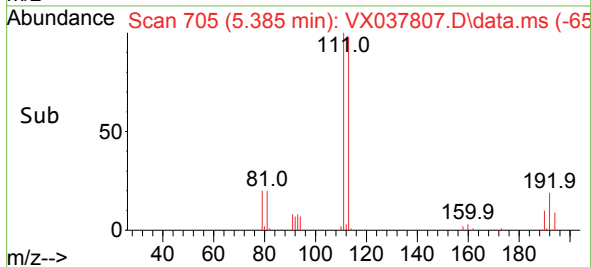
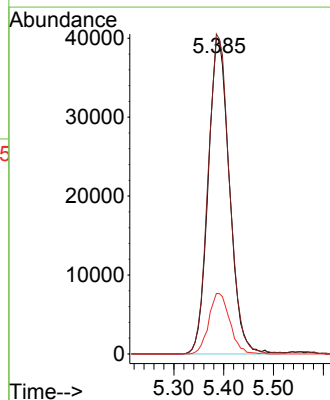
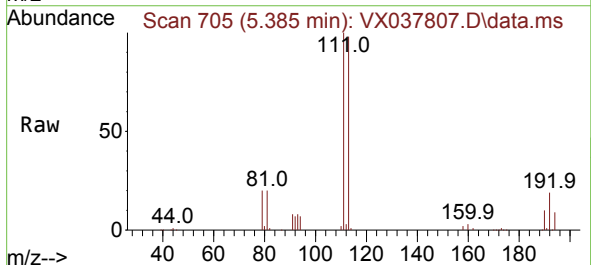
Instrument :
MSVOA_X
ClientSampleId :

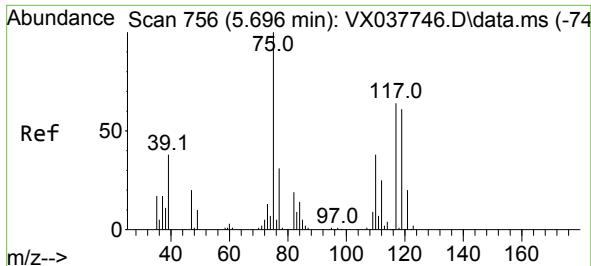
Tgt Ion:114 Resp: 373668
Ion Ratio Lower Upper
114 100
63 19.0 0.0 45.0
88 15.2 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.430 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037807.D
Acq: 19 Sep 2023 15:40

Tgt Ion:113 Resp: 118587
Ion Ratio Lower Upper
113 100
111 101.4 82.9 124.3
192 18.9 13.3 19.9

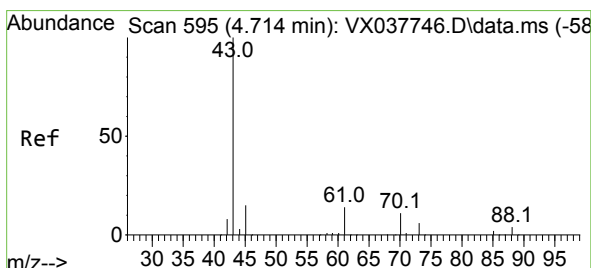
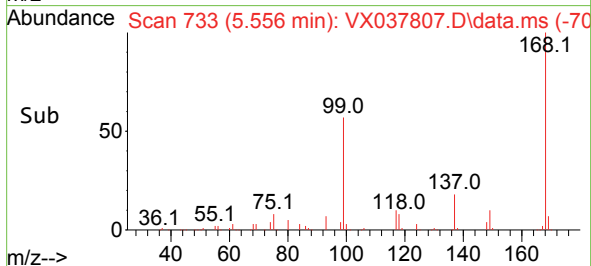
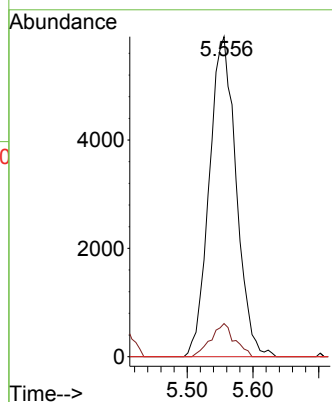
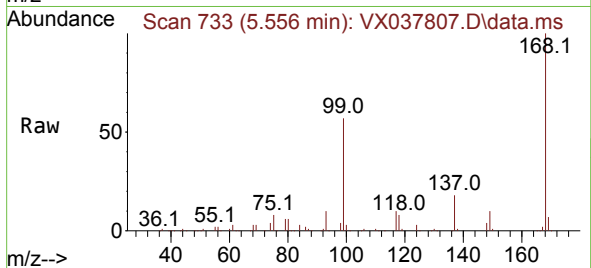




#36
1,1-Dichloropropene
Concen: 4.879 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX037807.D
Acq: 19 Sep 2023 15:40

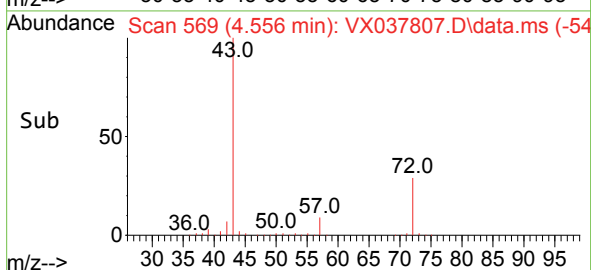
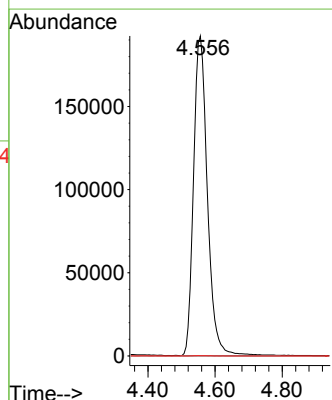
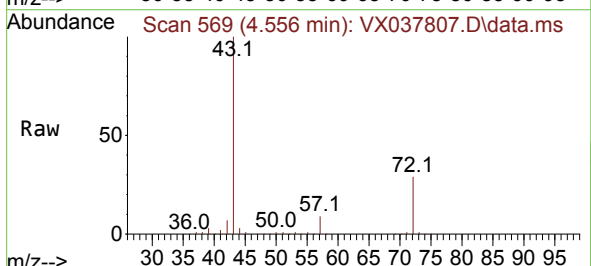
Instrument :
MSVOA_X
ClientSampleId :

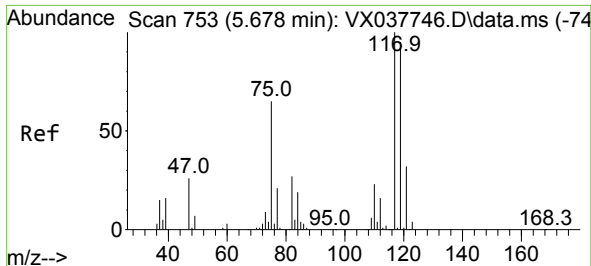
Tgt Ion: 75 Resp: 16804
Ion Ratio Lower Upper
75 100
110 9.1 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 145.462 ug/l
RT: 4.556 min Scan# 569
Delta R.T. -0.177 min
Lab File: VX037807.D
Acq: 19 Sep 2023 15:40

Tgt Ion: 43 Resp: 550774
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.1 8.3 12.5#





#38

Carbon Tetrachloride

Concen: 6.340 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.122 min

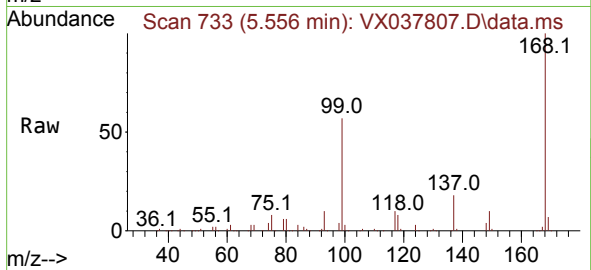
Lab File: VX037807.D

Acq: 19 Sep 2023 15:40

Instrument :

MSVOA_X

ClientSampleId :



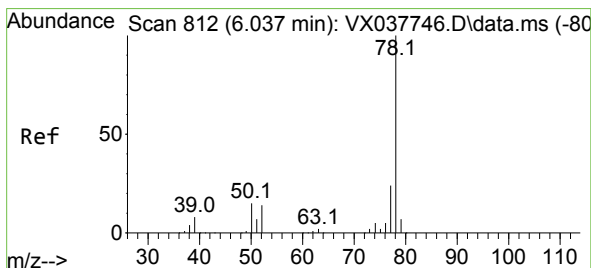
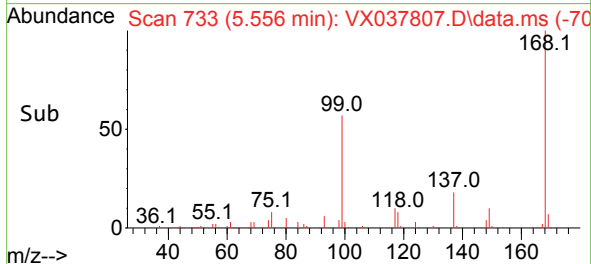
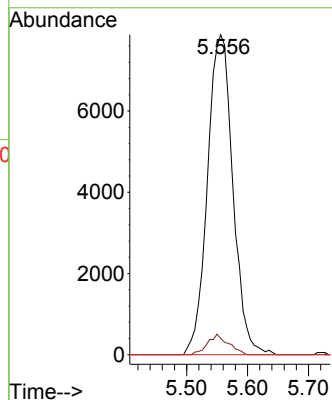
Tgt Ion:117 Resp: 22847

Ion Ratio Lower Upper

117 100

119 5.1 78.2 117.2#

121 0.0 24.4 36.6#



#40

Benzene

Concen: 0.852 ug/l

RT: 6.044 min Scan# 813

Delta R.T. -0.000 min

Lab File: VX037807.D

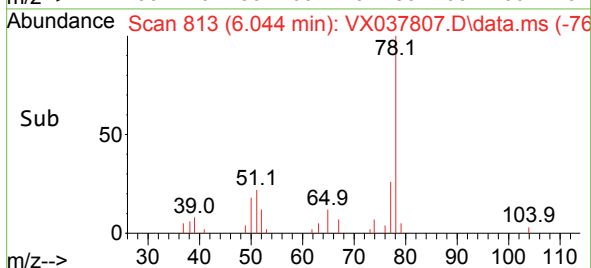
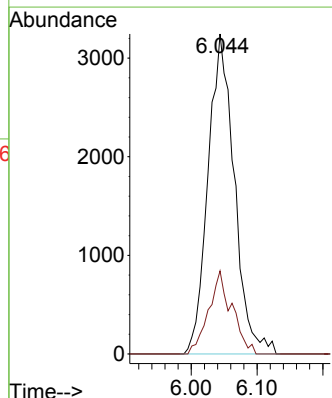
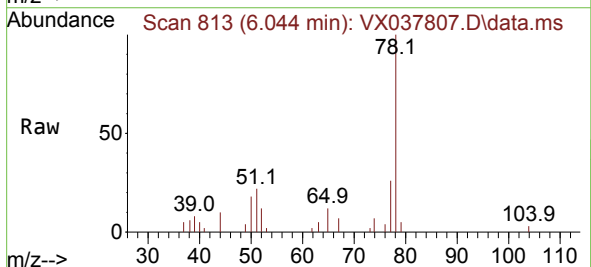
Acq: 19 Sep 2023 15:40

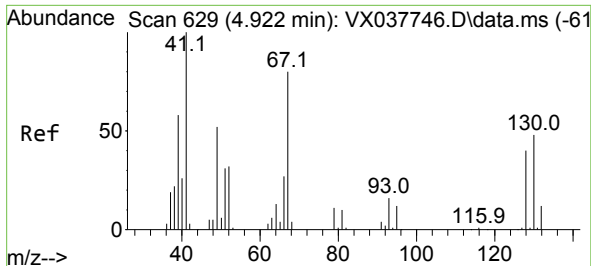
Tgt Ion: 78 Resp: 9027

Ion Ratio Lower Upper

78 100

77 25.9 19.3 28.9

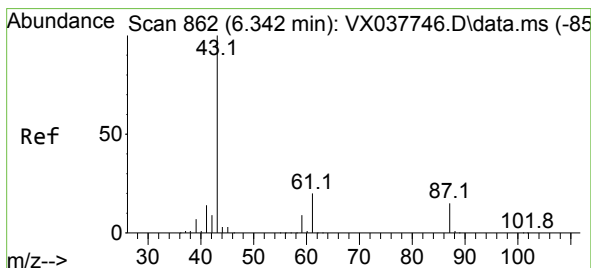
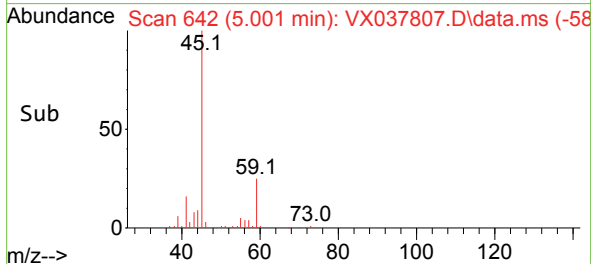
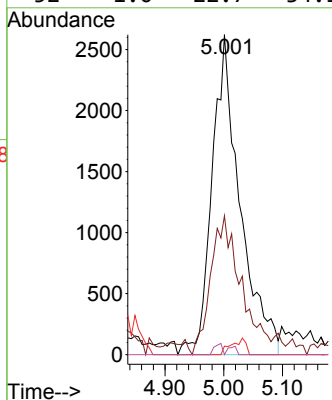
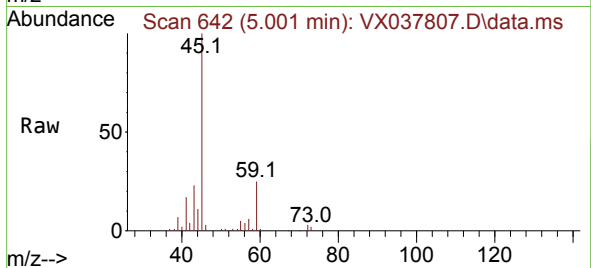




#41
Methacrylonitrile
Concen: 4.501 ug/l
RT: 5.001 min Scan# 642
Delta R.T. 0.055 min
Lab File: VX037807.D
Acq: 19 Sep 2023 15:40

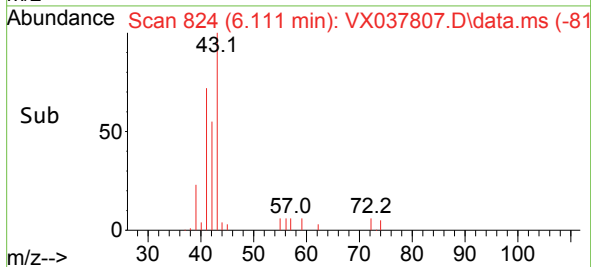
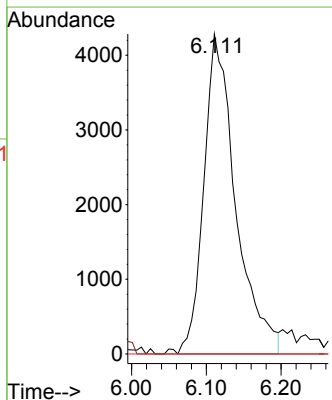
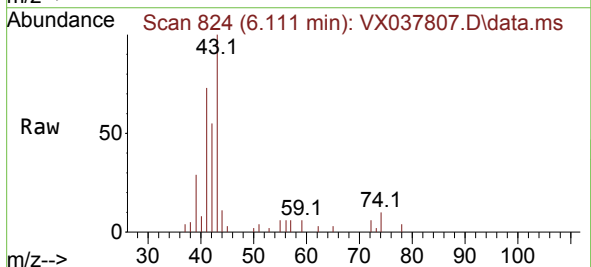
Instrument :
MSVOA_X
ClientSampleId :

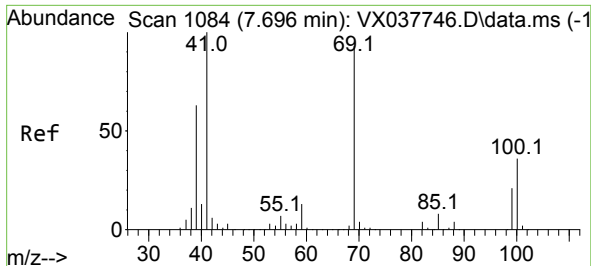
Tgt Ion:	41	Resp:	8689
Ion	Ratio	Lower	Upper
41	100		
39	46.9	45.2	67.8
67	0.0	52.6	78.8#
52	1.0	22.7	34.1#



#43
Isopropyl Acetate
Concen: 2.096 ug/l
RT: 6.111 min Scan# 824
Delta R.T. -0.232 min
Lab File: VX037807.D
Acq: 19 Sep 2023 15:40

Tgt Ion:	43	Resp:	12689
Ion	Ratio	Lower	Upper
43	100		
61	0.0	15.2	22.8#
87	0.0	9.8	14.6#





#48

Methyl methacrylate

Concen: 5.364 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. -0.122 min

Lab File: VX037807.D

Acq: 19 Sep 2023 15:40

Instrument :

MSVOA_X

ClientSampleId :

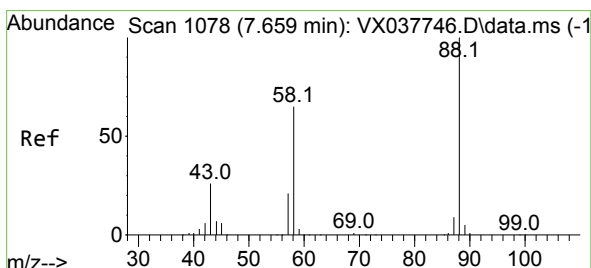
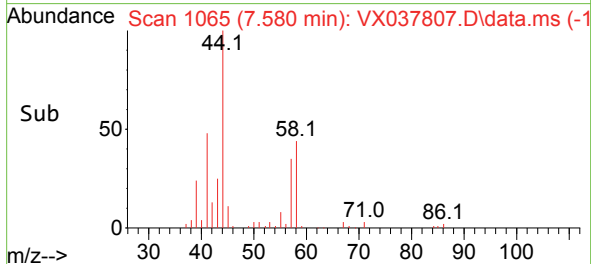
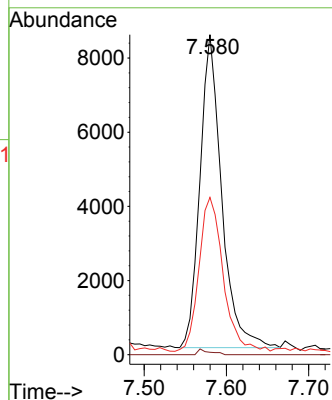
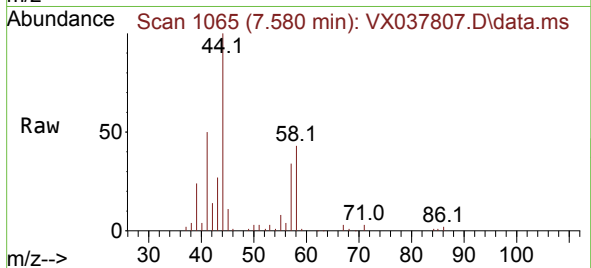
Tgt Ion: 41 Resp: 15526

Ion Ratio Lower Upper

41 100

69 1.0 59.2 88.8#

39 54.5 47.7 71.5



#49

1,4-Dioxane

Concen: 7.828 ug/l

RT: 7.684 min Scan# 1082

Delta R.T. 0.012 min

Lab File: VX037807.D

Acq: 19 Sep 2023 15:40

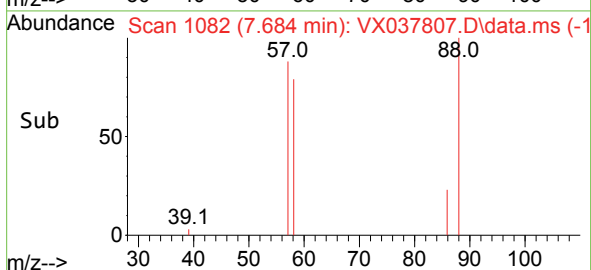
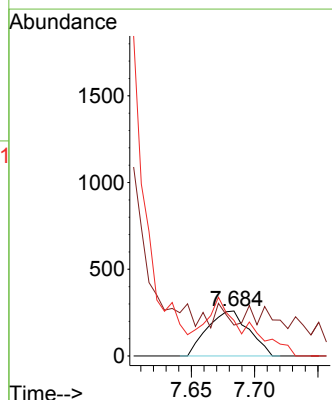
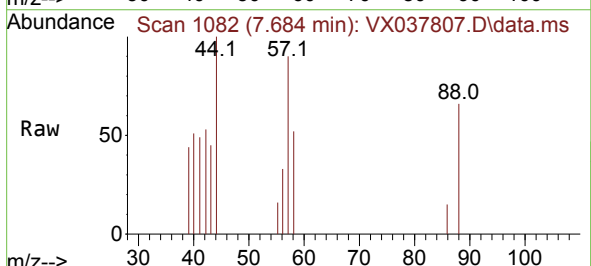
Tgt Ion: 88 Resp: 594

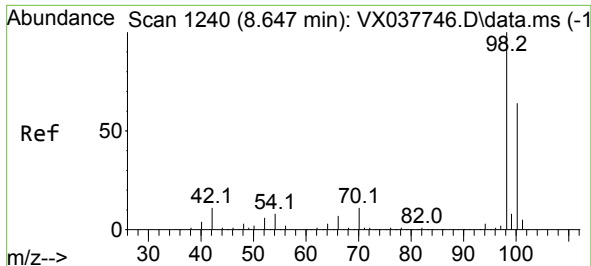
Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 131.3 60.1 90.1#

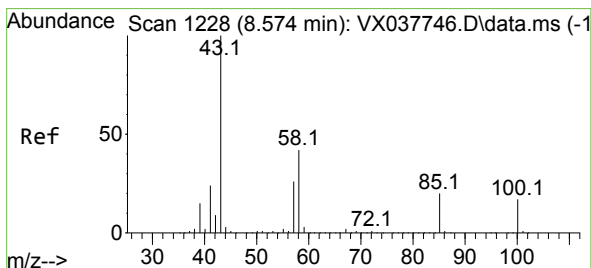
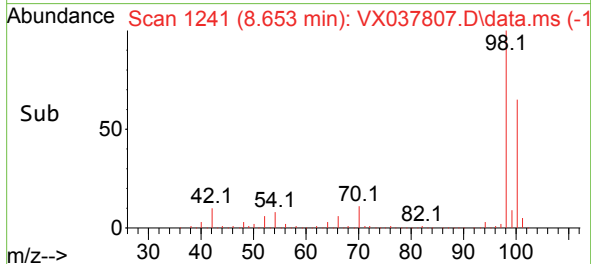
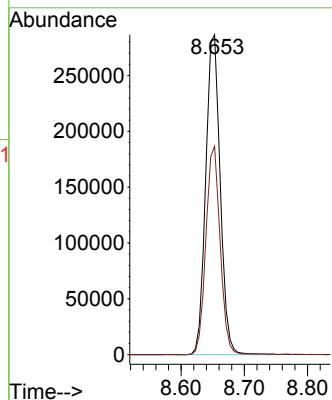
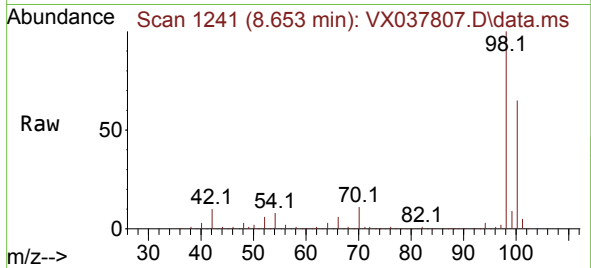




#50
Toluene-d8
Concen: 49.314 ug/l
RT: 8.653 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX037807.D
Acq: 19 Sep 2023 15:40

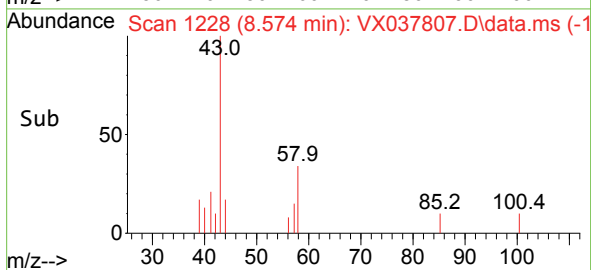
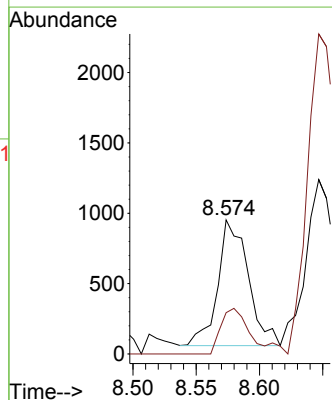
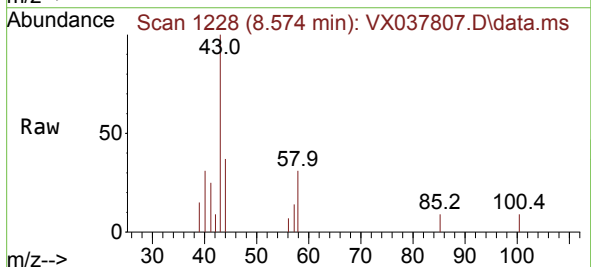
Instrument :
MSVOA_X
ClientSampleId :

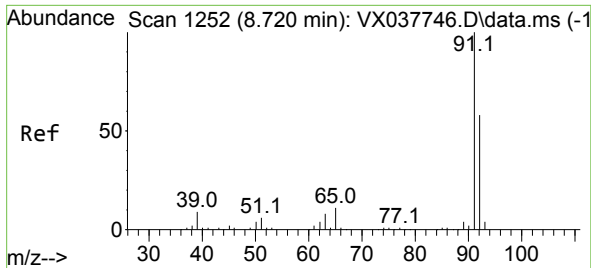
Tgt Ion: 98 Resp: 458122
Ion Ratio Lower Upper
98 100
100 64.1 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.390 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX037807.D
Acq: 19 Sep 2023 15:40

Tgt Ion: 43 Resp: 1498
Ion Ratio Lower Upper
43 100
58 35.5 30.4 45.6

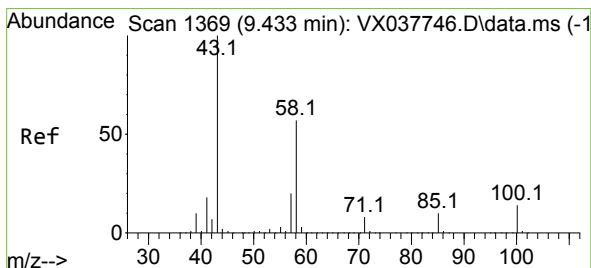
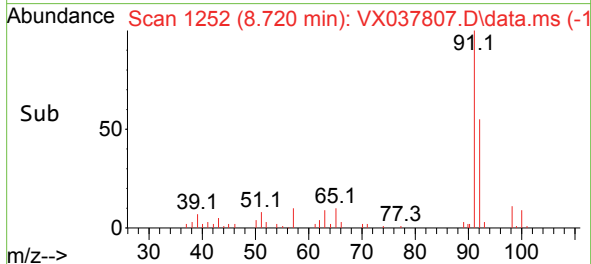
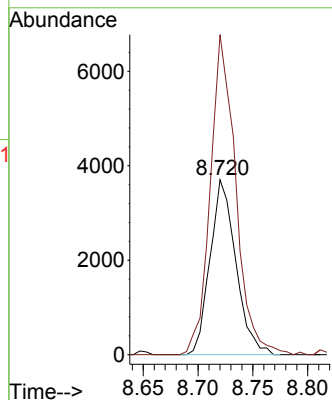
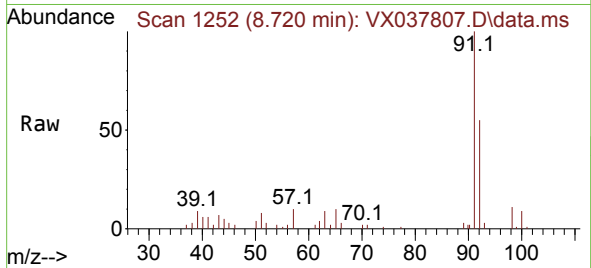




#52
Toluene
Concen: 0.890 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037807.D
Acq: 19 Sep 2023 15:40

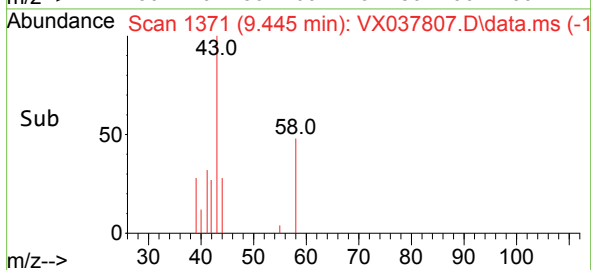
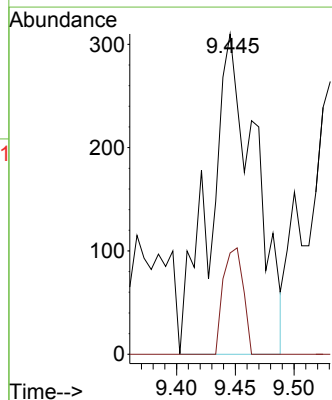
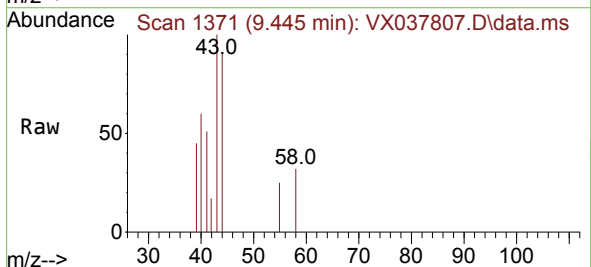
Instrument :
MSVOA_X
ClientSampleId :

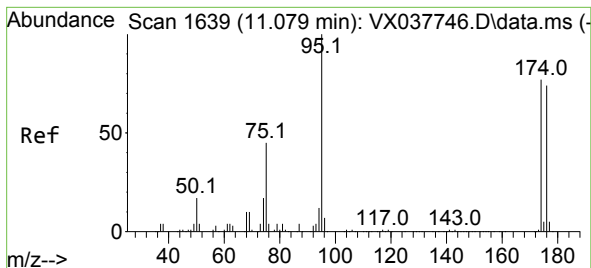
Tgt Ion: 92 Resp: 6072
Ion Ratio Lower Upper
92 100
91 180.6 134.2 201.2



#59
2-Hexanone
Concen: 0.279 ug/l
RT: 9.445 min Scan# 1371
Delta R.T. 0.012 min
Lab File: VX037807.D
Acq: 19 Sep 2023 15:40

Tgt Ion: 43 Resp: 835
Ion Ratio Lower Upper
43 100
58 14.6 26.2 78.5#

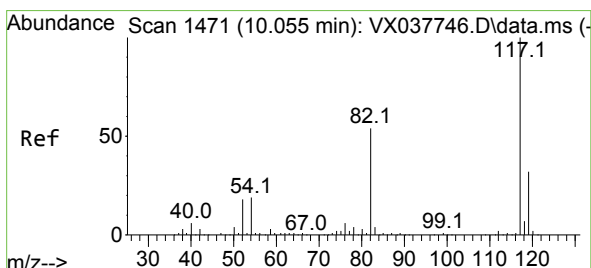
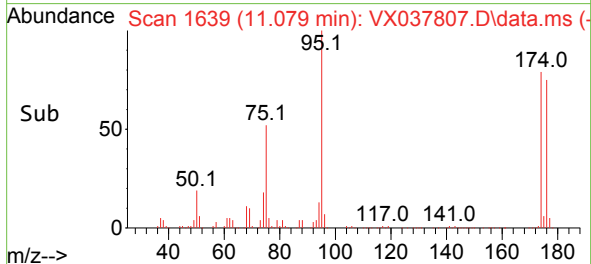
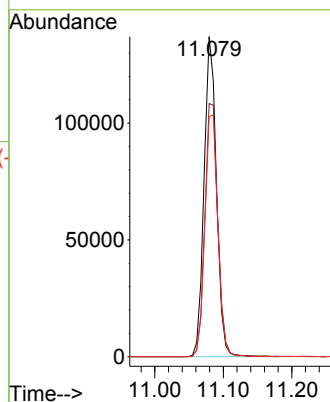
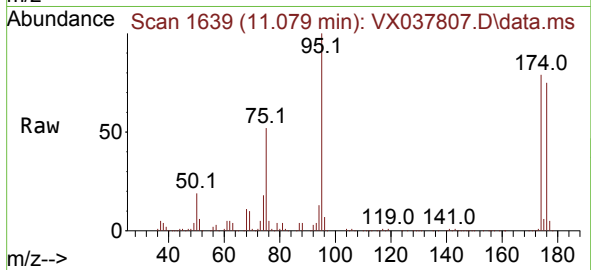




#62
4-Bromofluorobenzene
Concen: 51.126 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037807.D
Acq: 19 Sep 2023 15:40

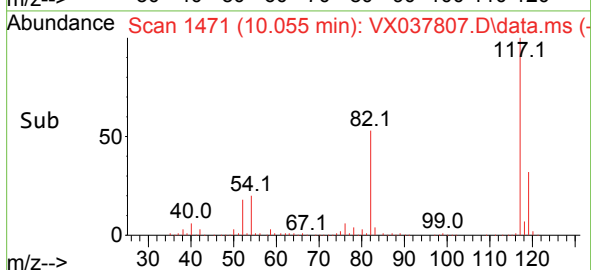
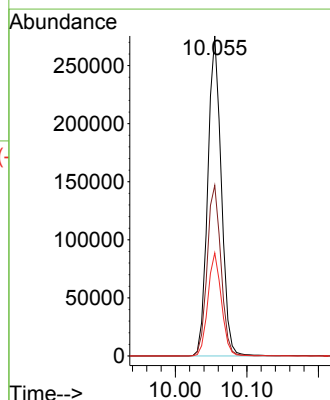
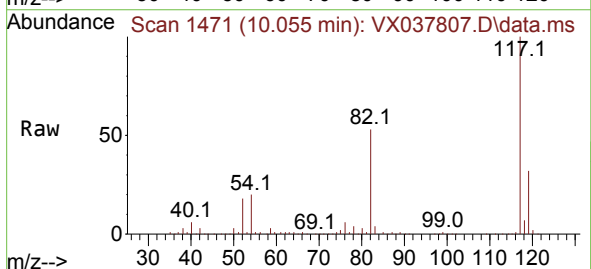
Instrument :
MSVOA_X
ClientSampleId :

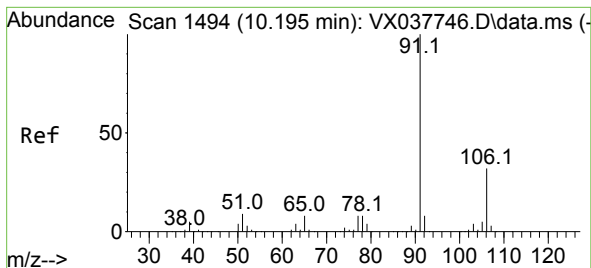
Tgt Ion: 95 Resp: 172590
Ion Ratio Lower Upper
95 100
174 82.7 0.0 135.6
176 80.1 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037807.D
Acq: 19 Sep 2023 15:40

Tgt Ion: 117 Resp: 361713
Ion Ratio Lower Upper
117 100
82 53.3 46.2 69.4
119 32.2 25.5 38.3





#67

Ethyl Benzene

Concen: 0.224 ug/l

RT: 10.201 min Scan# 1495

Delta R.T. 0.006 min

Lab File: VX037807.D

Acq: 19 Sep 2023 15:40

Instrument :

MSVOA_X

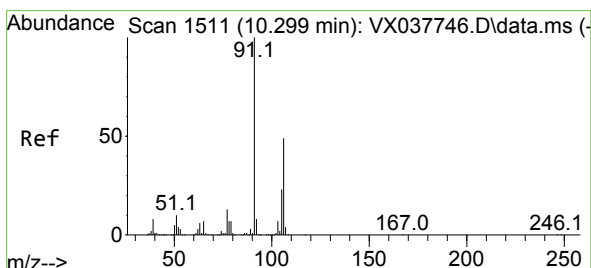
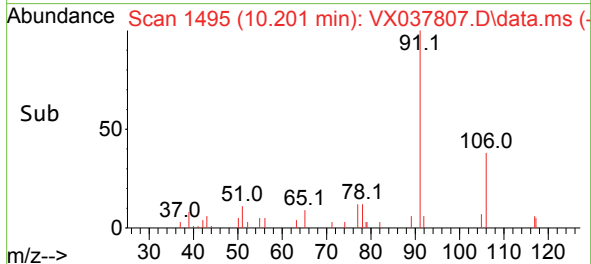
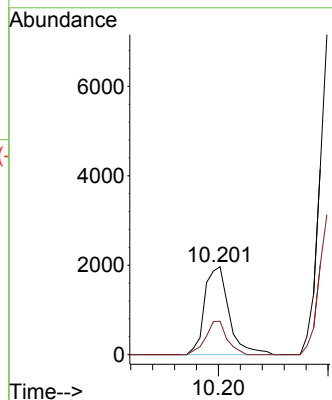
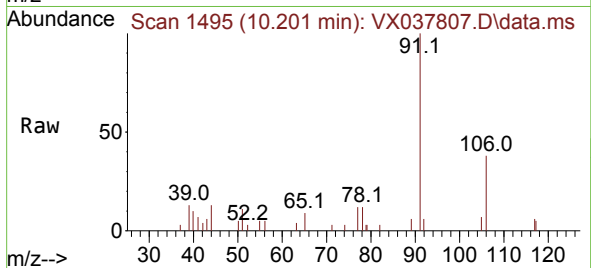
ClientSampleId :

Tgt Ion: 91 Resp: 3033

Ion Ratio Lower Upper

91 100

106 38.0 24.9 37.3#



#68

m/p-Xylenes

Concen: 0.940 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. -0.000 min

Lab File: VX037807.D

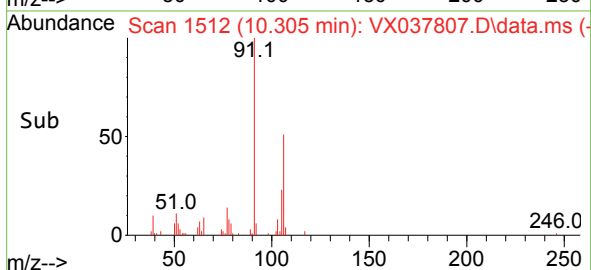
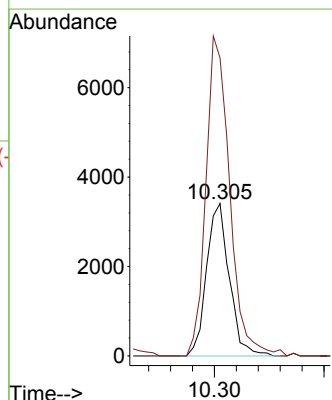
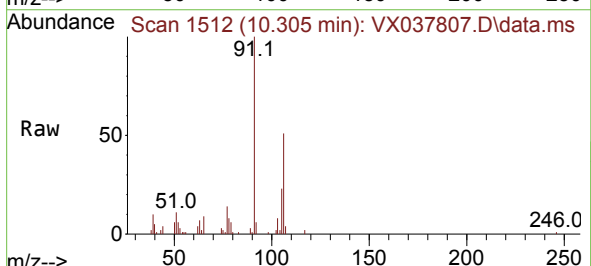
Acq: 19 Sep 2023 15:40

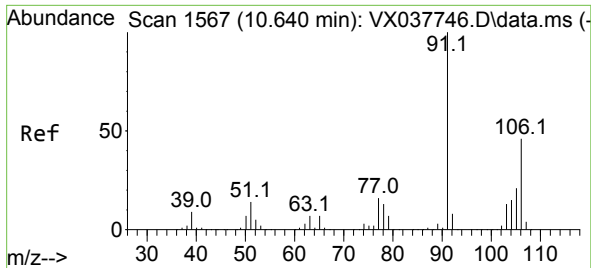
Tgt Ion: 106 Resp: 4911

Ion Ratio Lower Upper

106 100

91 219.5 165.5 248.3

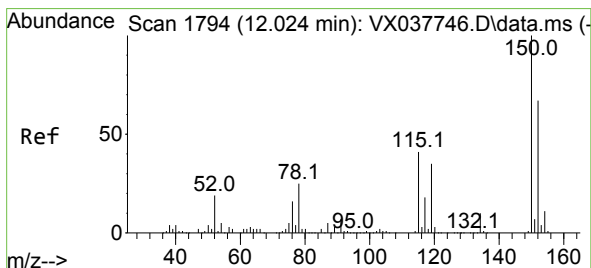
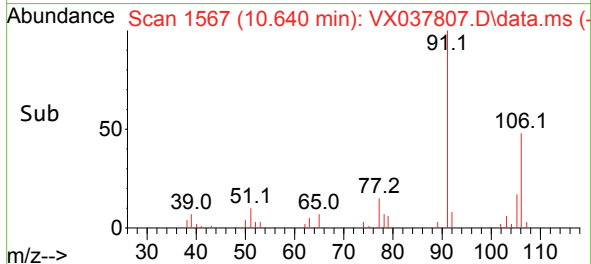
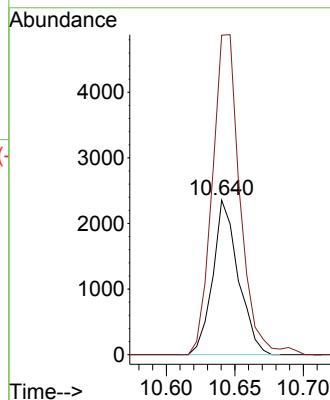
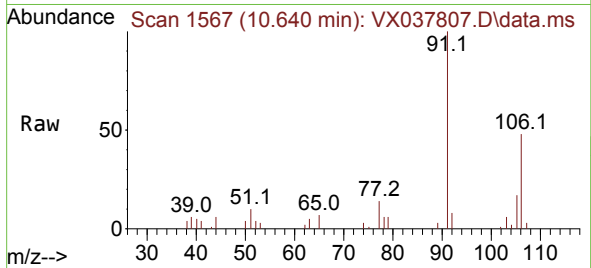




#69
o-Xylene
Concen: 0.582 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX037807.D
Acq: 19 Sep 2023 15:40

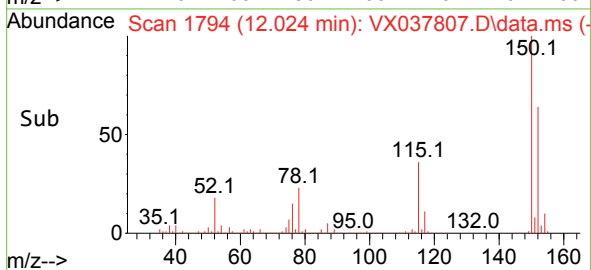
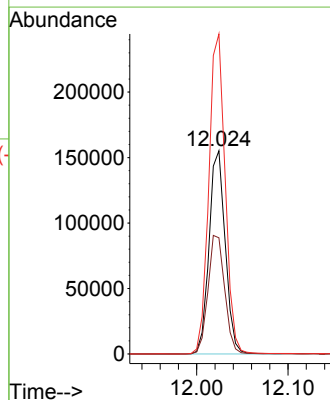
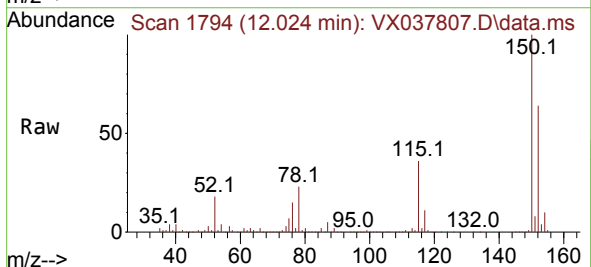
Instrument :
MSVOA_X
ClientSampleId :

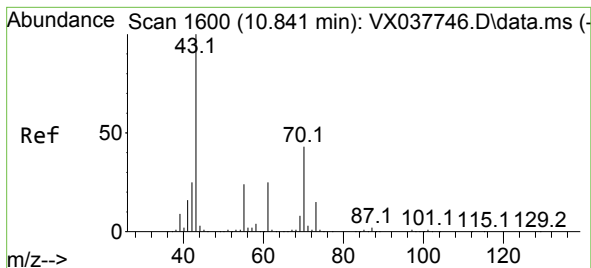
Tgt Ion:106 Resp: 3048
Ion Ratio Lower Upper
106 100
91 225.2 108.9 326.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX037807.D
Acq: 19 Sep 2023 15:40

Tgt Ion:152 Resp: 190628
Ion Ratio Lower Upper
152 100
115 60.1 43.3 129.9
150 159.0 0.0 345.0





#74

N-amy1 acetate

Concen: 4.450 ug/l

RT: 10.750 min Scan# 1

Delta R.T. -0.098 min

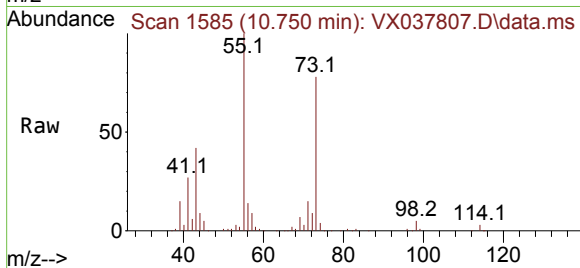
Lab File: VX037807.D

Acq: 19 Sep 2023 15:40

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43 Resp: 25203

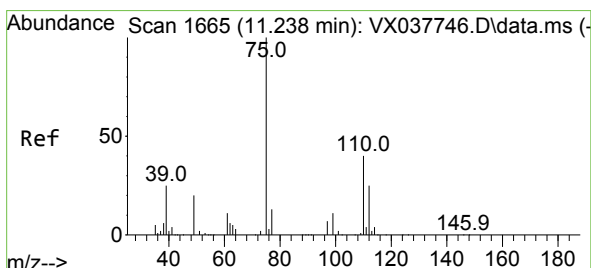
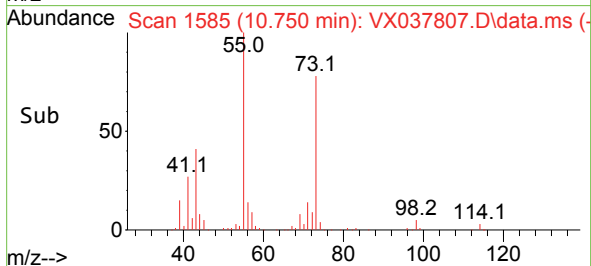
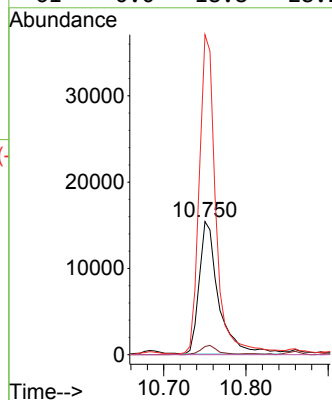
Ion Ratio Lower Upper

43 100

70 6.1 32.9 49.3#

55 206.5 19.3 28.9#

61 0.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 20.207 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037807.D

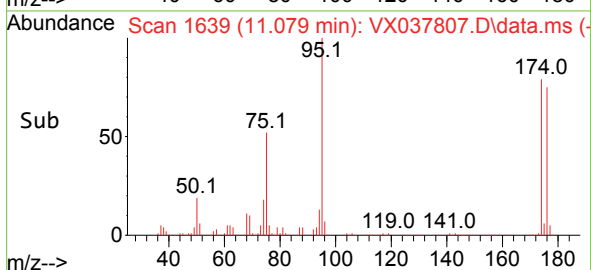
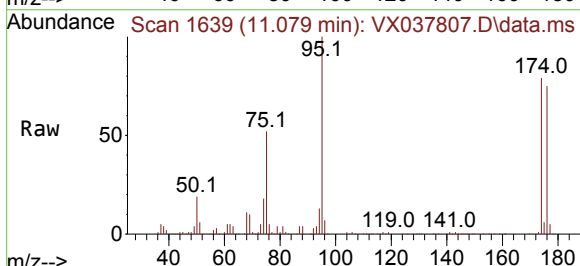
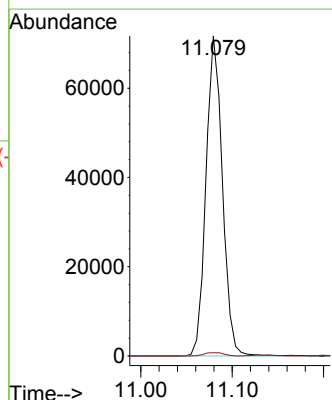
Acq: 19 Sep 2023 15:40

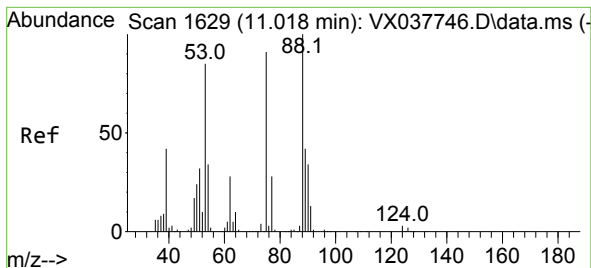
Tgt Ion: 75 Resp: 89093

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#

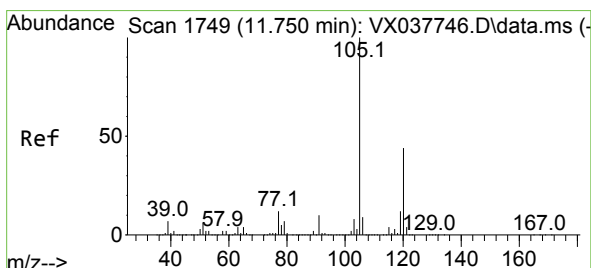
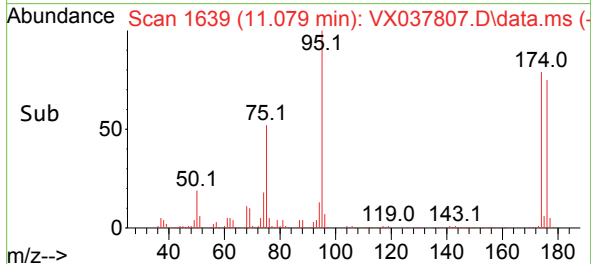
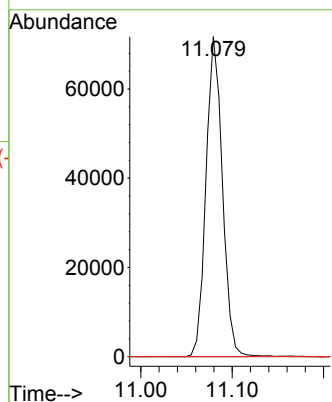
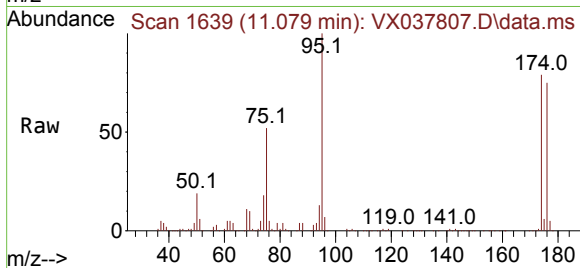




#81
trans-1,4-Dichloro-2-butene
Concen: 64.730 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX037807.D
Acq: 19 Sep 2023 15:40

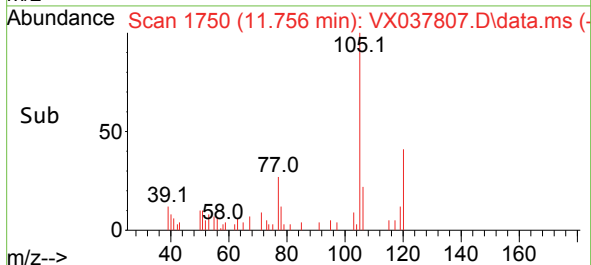
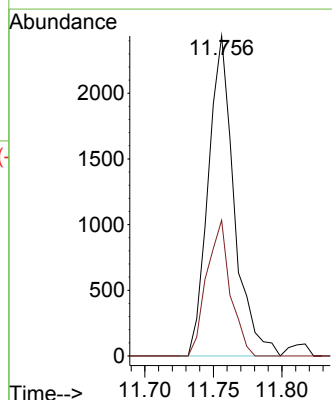
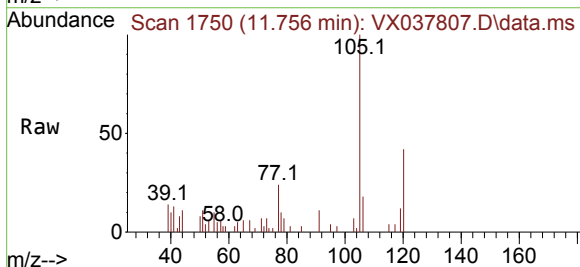
Instrument :
MSVOA_X
ClientSampleId :

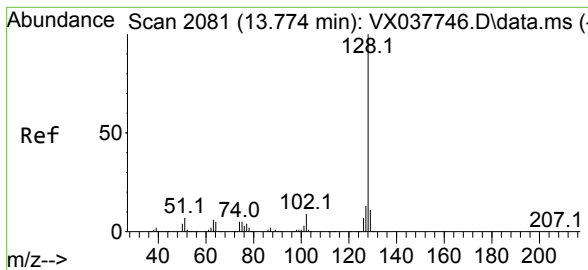
Tgt Ion: 75 Resp: 89093
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.272 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX037807.D
Acq: 19 Sep 2023 15:40

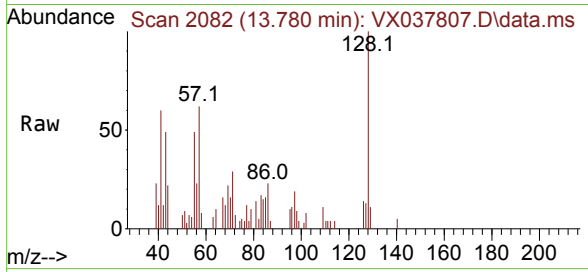
Tgt Ion: 105 Resp: 3200
Ion Ratio Lower Upper
105 100
120 38.8 21.2 63.6





#95
Naphthalene
Concen: 0.210 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX037807.D
Acq: 19 Sep 2023 15:40

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:	128	Resp:	2755
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.3	15.5
129	11.9	8.8	13.2

