

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091923\
 Data File : VX037806.D
 Acq On : 19 Sep 2023 15:16
 Operator : JC/MD
 Sample : 04479-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

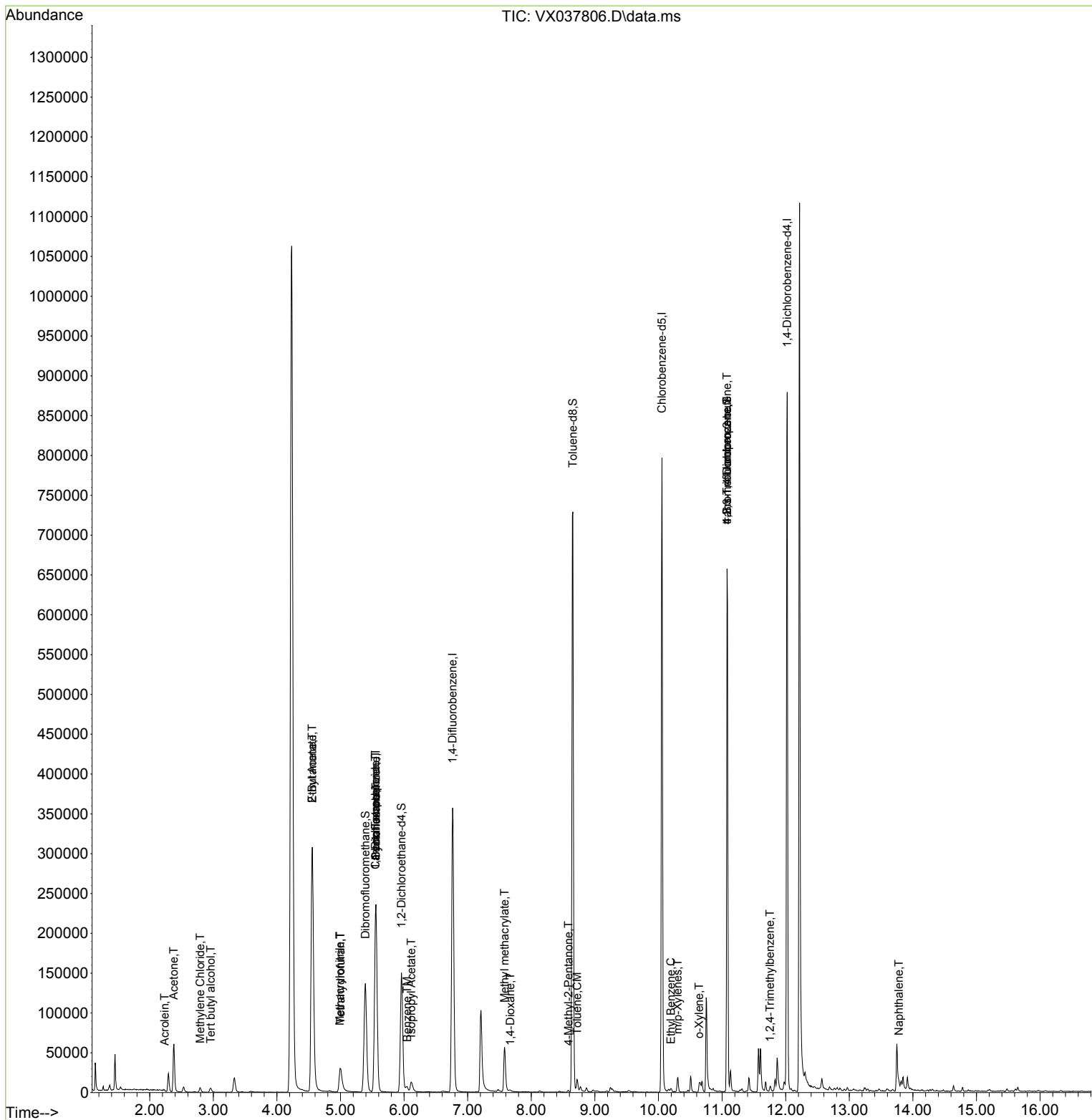
Quant Time: Sep 20 01:03:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 16 04:55:44 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	227761	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	377588	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	359929	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	185469	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	138782	46.378	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.760%		
35) Dibromofluoromethane	5.391	113	117593	46.545	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.080%		
50) Toluene-d8	8.653	98	457213	48.705	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.420%		
62) 4-Bromofluorobenzene	11.079	95	170211	49.898	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.800%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.959	59	5862	9.126	ug/l	# 88
13) Acrolein	2.233	56	193	0.304	ug/l	# 1
16) Acetone	2.380	43	63297	43.970	ug/l	# 87
20) Methylene Chloride	2.794	84	2822	1.036	ug/l	# 75
25) 2-Butanone	4.556	43	524376	258.132	ug/l	92
29) Tetrahydrofuran	5.001	42	1703	1.348	ug/l	# 26
31) Cyclohexane	5.556	56	4700	1.224	ug/l	# 1
36) 1,1-Dichloropropene	5.550	75	17085	4.909	ug/l	# 50
37) Ethyl Acetate	4.556	43	524376	137.053	ug/l	# 69
38) Carbon Tetrachloride	5.550	117	22957	6.304	ug/l	# 14
40) Benzene	6.050	78	7804	0.729	ug/l	97
41) Methacrylonitrile	4.989	41	7220	3.701	ug/l	# 52
43) Isopropyl Acetate	6.111	43	11258	1.840	ug/l	# 62
48) Methyl methacrylate	7.580	41	15889	5.433	ug/l	# 47
49) 1,4-Dioxane	7.671	88	583	7.604	ug/l	# 34
51) 4-Methyl-2-Pentanone	8.586	43	1677	0.432	ug/l	95
52) Toluene	8.720	92	5317	0.771	ug/l	95
67) Ethyl Benzene	10.195	91	2704	0.201	ug/l	96
68) m/p-Xylenes	10.299	106	4726	0.909	ug/l	95
69) o-Xylene	10.640	106	2588	0.496	ug/l	87
76) 1,2,3-Trichloropropane	11.079	75	86578	20.183	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.079	75	86578	64.653	ug/l	# 5
84) 1,2,4-Trimethylbenzene	11.756	105	3006	0.263	ug/l	92
95) Naphthalene	13.780	128	2620	0.205	ug/l	99

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

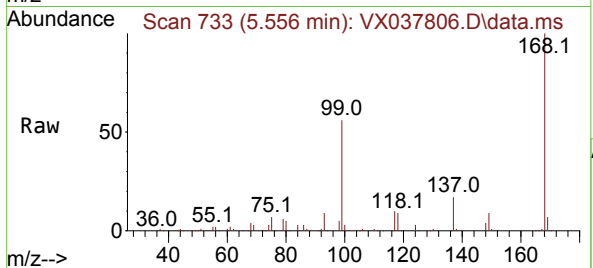
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 16 04:55:44 2023
Response via : Initial Calibration



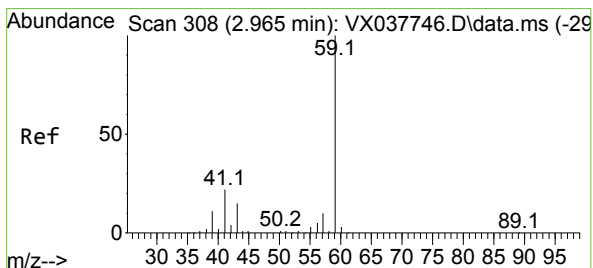
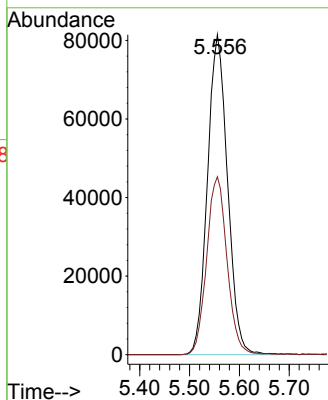
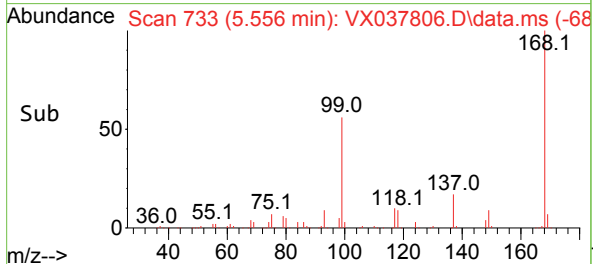


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037806.D
Acq: 19 Sep 2023 15:16

Instrument :
MSVOA_X
ClientSampleId :

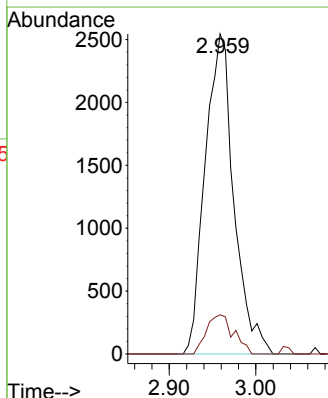
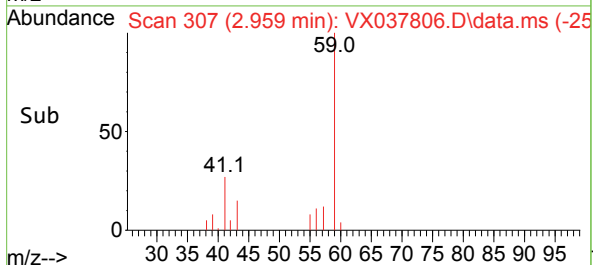
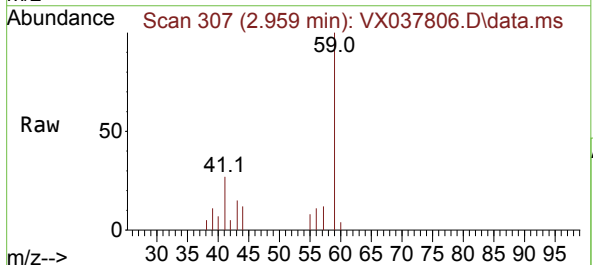


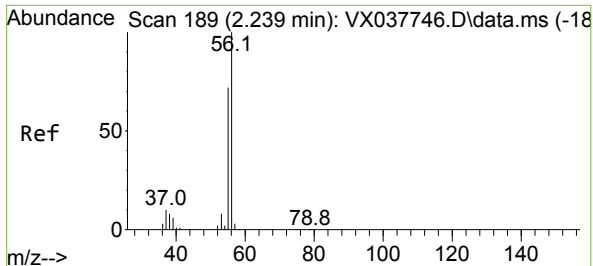
Tgt Ion:168 Resp: 227761
Ion Ratio Lower Upper
168 100
99 55.6 56.6 85.0#



#11
Tert butyl alcohol
Concen: 9.126 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.006 min
Lab File: VX037806.D
Acq: 19 Sep 2023 15:16

Tgt Ion: 59 Resp: 5862
Ion Ratio Lower Upper
59 100
57 11.5 6.0 9.0#

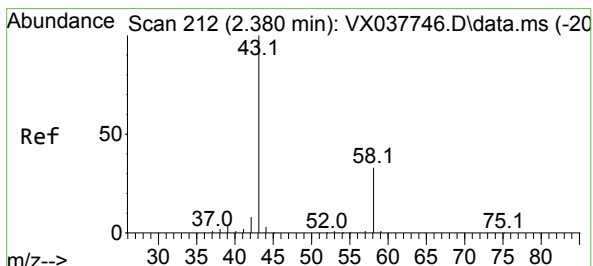
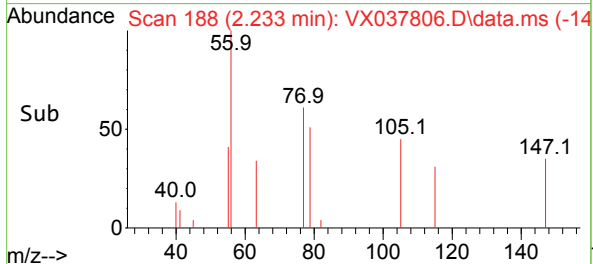
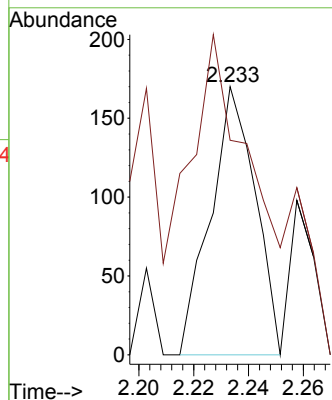
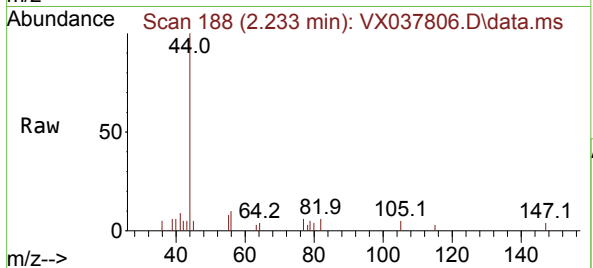




#13
Acrolein
Concen: 0.304 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX037806.D
Acq: 19 Sep 2023 15:16

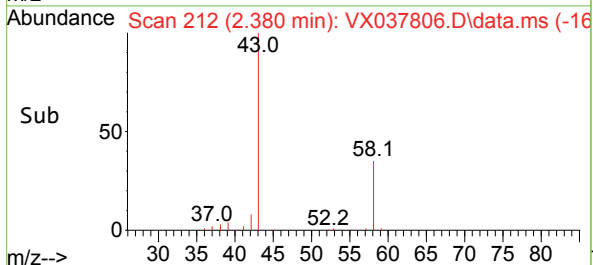
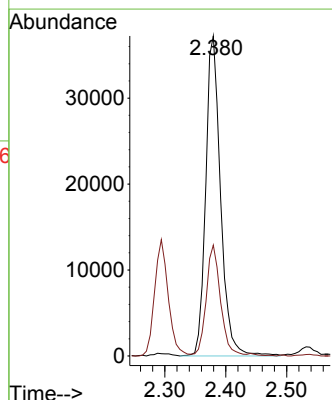
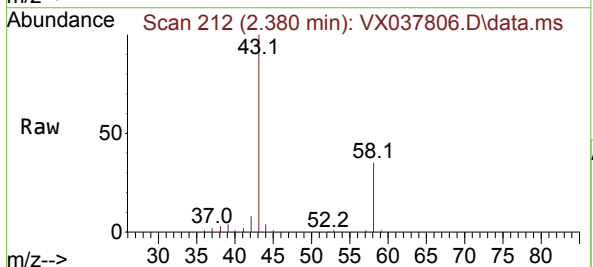
Instrument :
MSVOA_X
ClientSampleId :

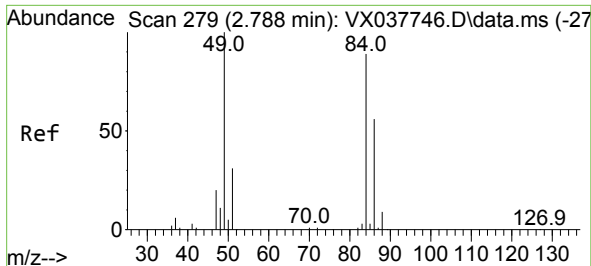
Tgt Ion: 56 Resp: 193
Ion Ratio Lower Upper
56 100
55 199.0 57.1 85.7#



#16
Acetone
Concen: 43.970 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX037806.D
Acq: 19 Sep 2023 15:16

Tgt Ion: 43 Resp: 63297
Ion Ratio Lower Upper
43 100
58 34.4 21.9 32.9#





#20

Methylene Chloride

Concen: 1.036 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

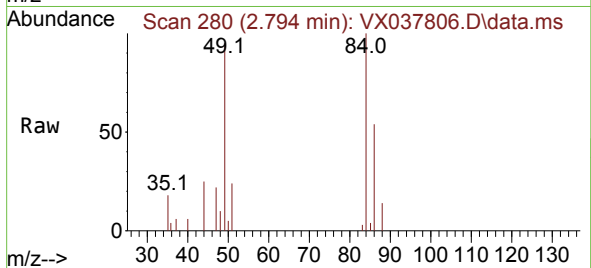
Lab File: VX037806.D

Acq: 19 Sep 2023 15:16

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 2822

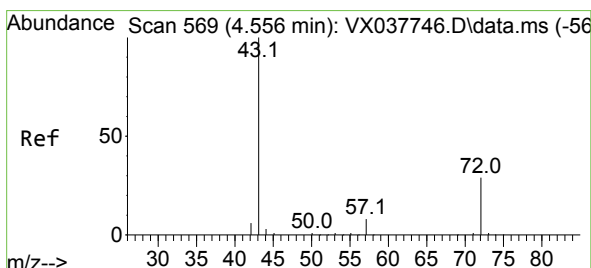
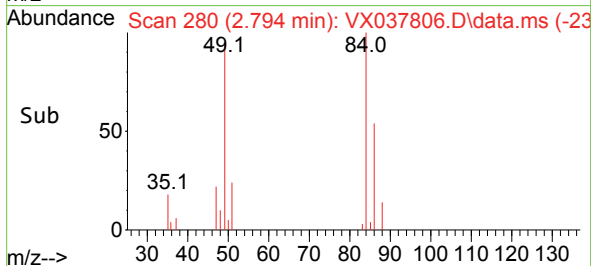
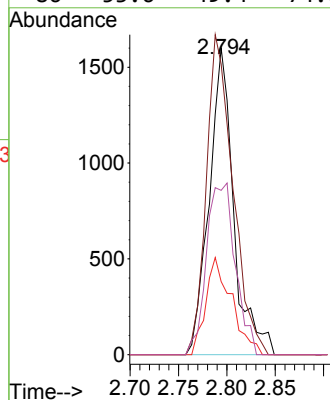
Ion Ratio Lower Upper

84 100

49 94.7 103.6 155.4#

51 23.9 33.8 50.6#

86 53.6 49.4 74.0



#25

2-Butanone

Concen: 258.132 ug/l

RT: 4.556 min Scan# 569

Delta R.T. -0.012 min

Lab File: VX037806.D

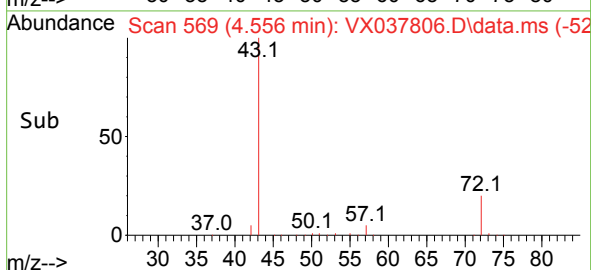
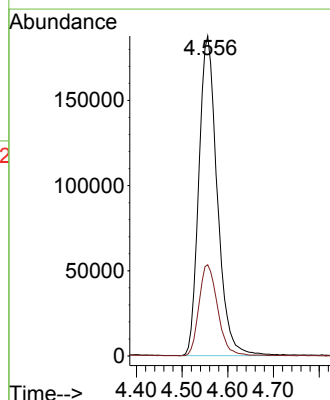
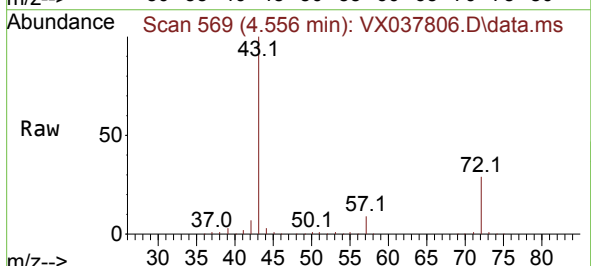
Acq: 19 Sep 2023 15:16

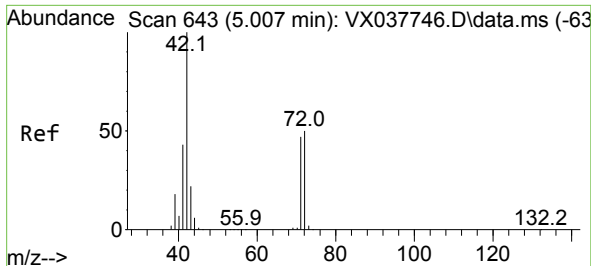
Tgt Ion: 43 Resp: 524376

Ion Ratio Lower Upper

43 100

72 28.5 19.4 29.2





#29

Tetrahydrofuran

Concen: 1.348 ug/l

RT: 5.001 min Scan# 64

Delta R.T. -0.012 min

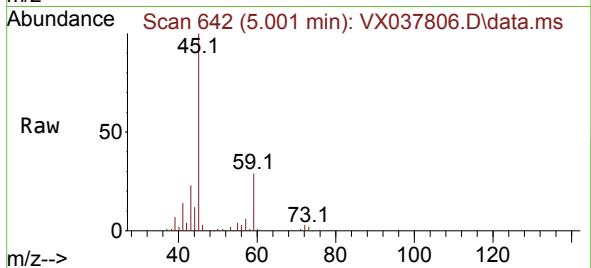
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Instrument :

MSVOA_X

ClientSampleId :



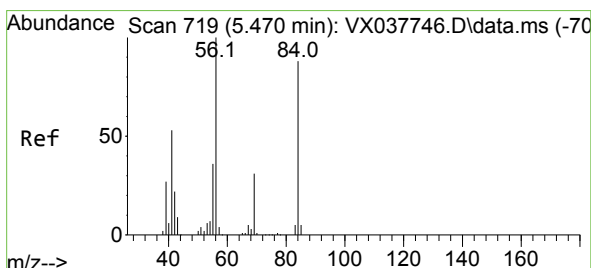
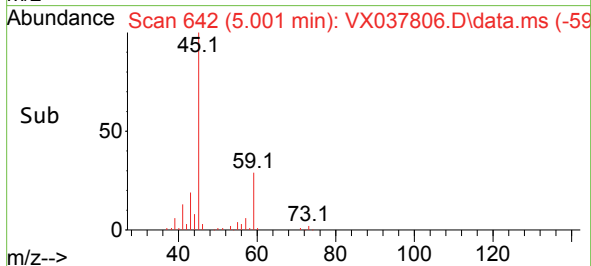
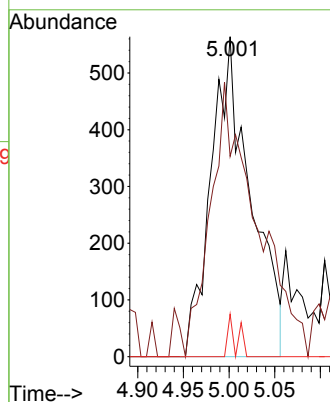
Tgt Ion: 42 Resp: 1703

Ion Ratio Lower Upper

42 100

72 98.5 34.2 51.4#

71 2.9 32.2 48.2#



#31

Cyclohexane

Concen: 1.224 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX037806.D

Acq: 19 Sep 2023 15:16

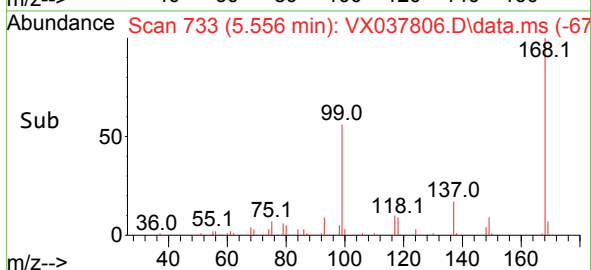
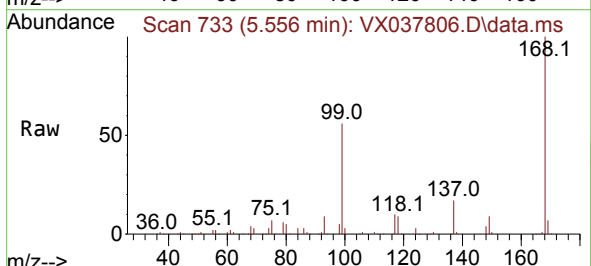
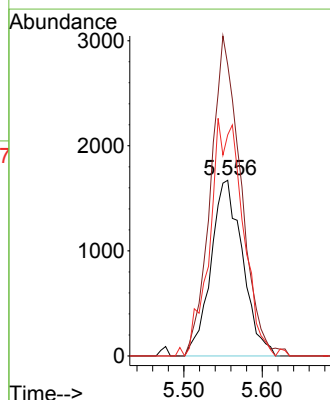
Tgt Ion: 56 Resp: 4700

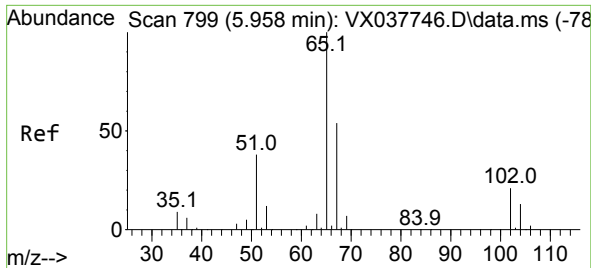
Ion Ratio Lower Upper

56 100

69 165.7 23.4 35.2#

84 121.8 65.9 98.9#

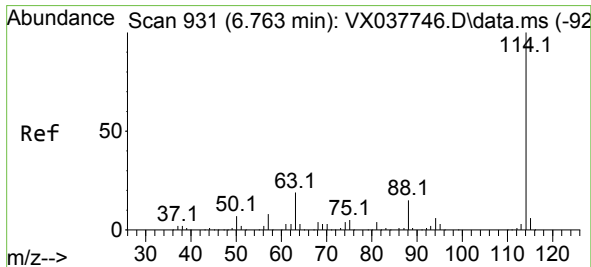
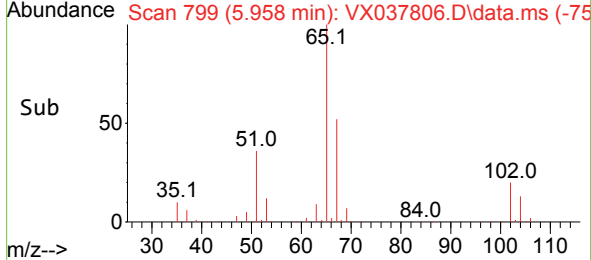
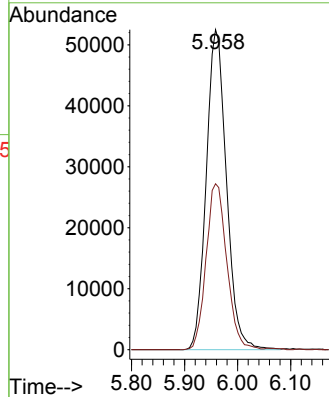
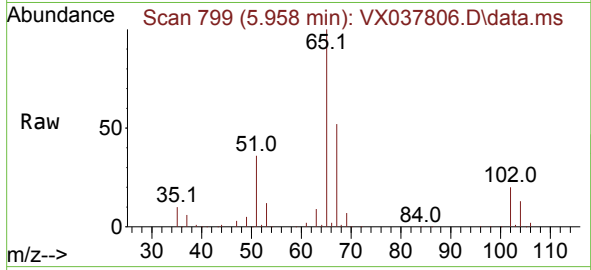




#33
1,2-Dichloroethane-d4
Concen: 46.378 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX037806.D
Acq: 19 Sep 2023 15:16

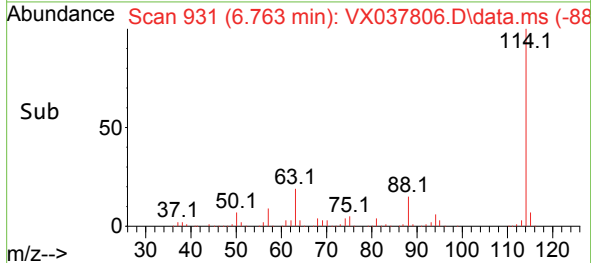
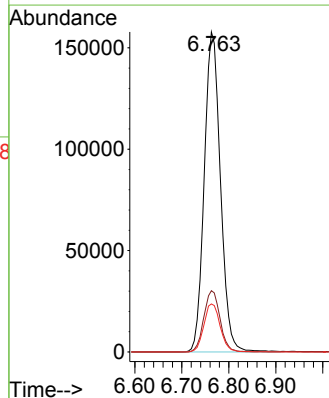
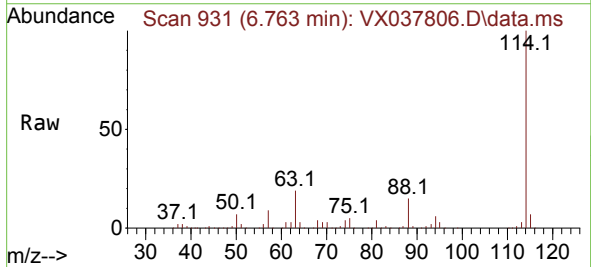
Instrument :
MSVOA_X
ClientSampleId :

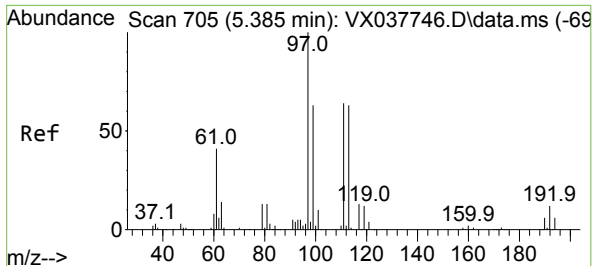
Tgt Ion: 65 Resp: 138782
Ion Ratio Lower Upper
65 100
67 53.2 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX037806.D
Acq: 19 Sep 2023 15:16

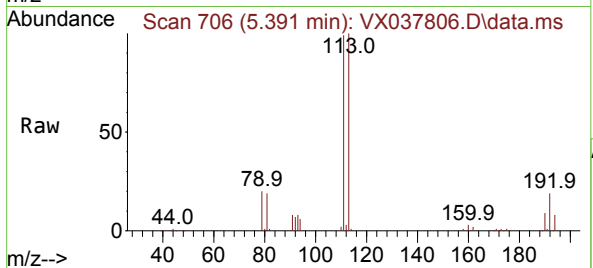
Tgt Ion:114 Resp: 377588
Ion Ratio Lower Upper
114 100
63 19.2 0.0 45.0
88 15.0 0.0 36.6



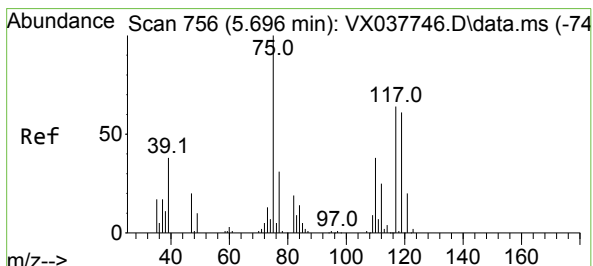
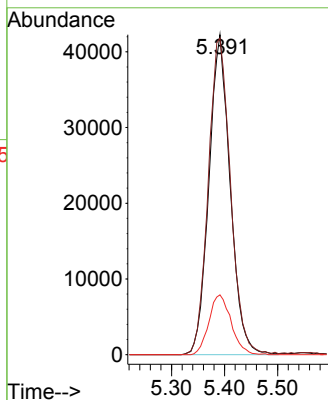
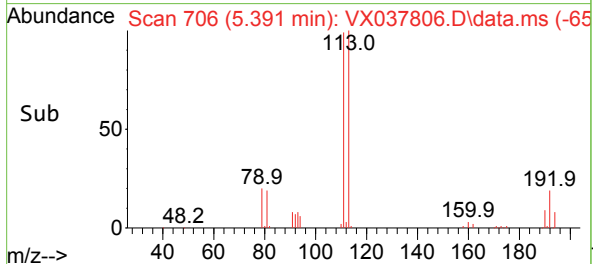


#35
Dibromofluoromethane
Concen: 46.545 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX037806.D
Acq: 19 Sep 2023 15:16

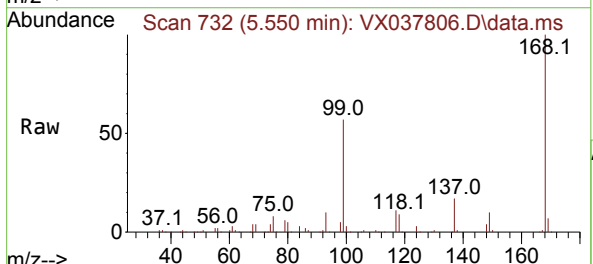
Instrument :
MSVOA_X
ClientSampleId :



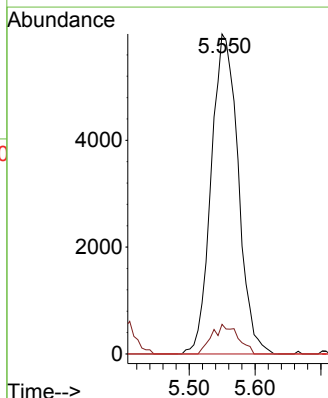
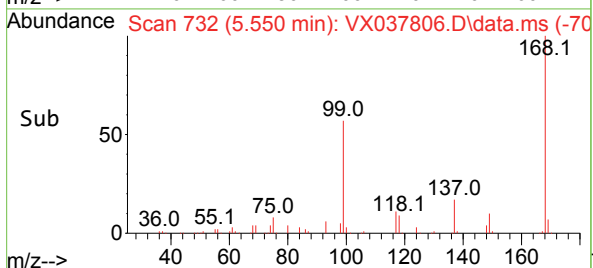
Tgt Ion:113 Resp: 117593
Ion Ratio Lower Upper
113 100
111 103.7 82.9 124.3
192 19.6 13.3 19.9

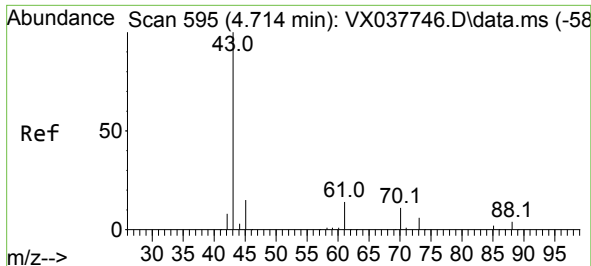


#36
1,1-Dichloropropene
Concen: 4.909 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX037806.D
Acq: 19 Sep 2023 15:16



Tgt Ion: 75 Resp: 17085
Ion Ratio Lower Upper
75 100
110 8.9 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 137.053 ug/l

RT: 4.556 min Scan# 5

Delta R.T. -0.177 min

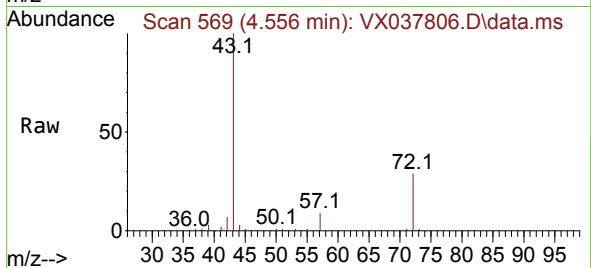
Lab File: VX037806.D

Acq: 19 Sep 2023 15:16

Instrument :

MSVOA_X

ClientSampleId :



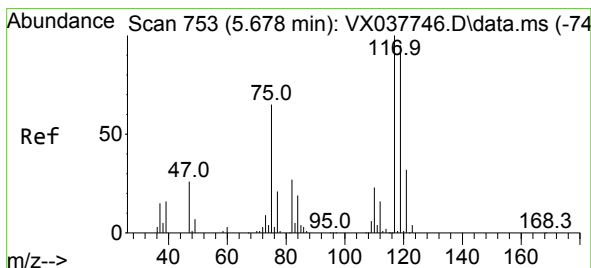
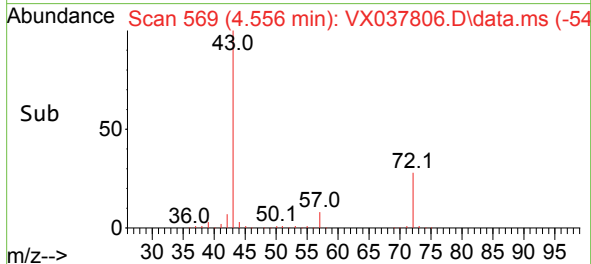
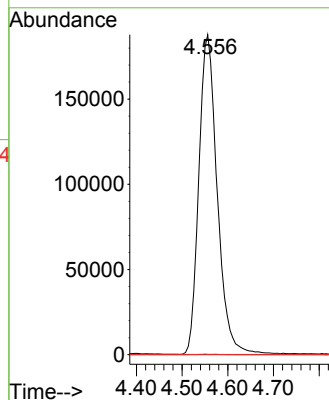
Tgt Ion: 43 Resp: 524376

Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

70 0.1 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.304 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX037806.D

Acq: 19 Sep 2023 15:16

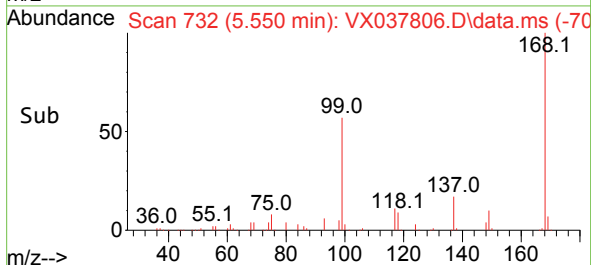
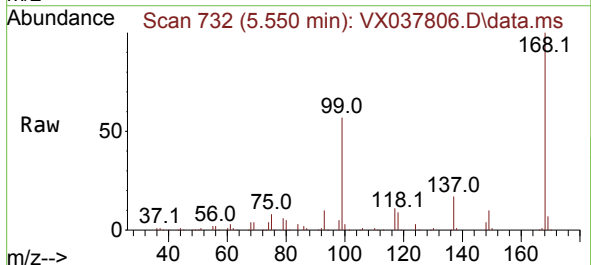
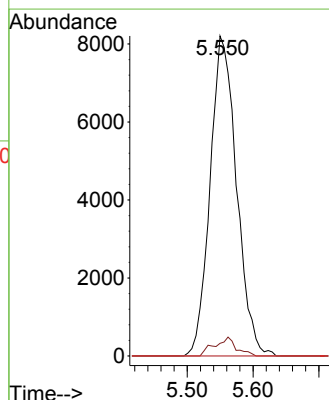
Tgt Ion: 117 Resp: 22957

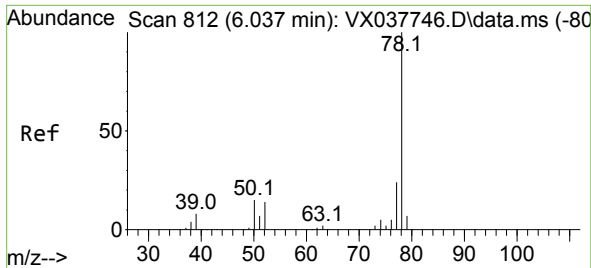
Ion Ratio Lower Upper

117 100

119 3.9 78.2 117.2#

121 0.0 24.4 36.6#





#40

Benzene

Concen: 0.729 ug/l

RT: 6.050 min Scan# 81

Delta R.T. 0.006 min

Lab File: VX037806.D

Acq: 19 Sep 2023 15:16

Instrument :

MSVOA_X

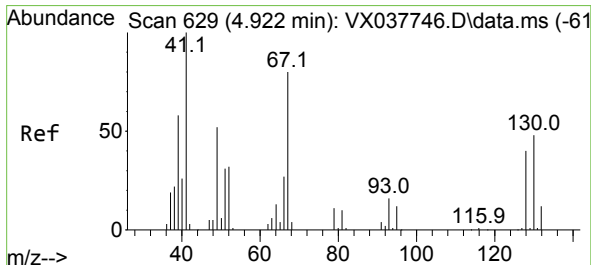
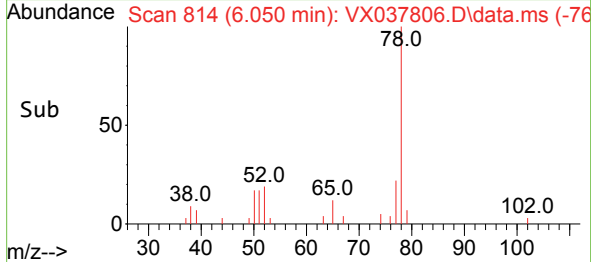
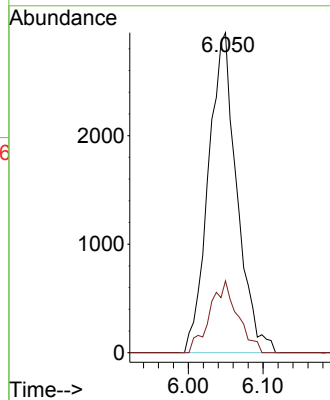
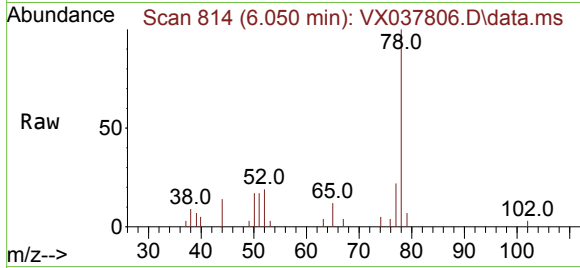
ClientSampleId :

Tgt Ion: 78 Resp: 7804

Ion Ratio Lower Upper

78 100

77 22.5 19.3 28.9



#41

Methacrylonitrile

Concen: 3.701 ug/l

RT: 4.989 min Scan# 640

Delta R.T. 0.043 min

Lab File: VX037806.D

Acq: 19 Sep 2023 15:16

Tgt Ion: 41 Resp: 7220

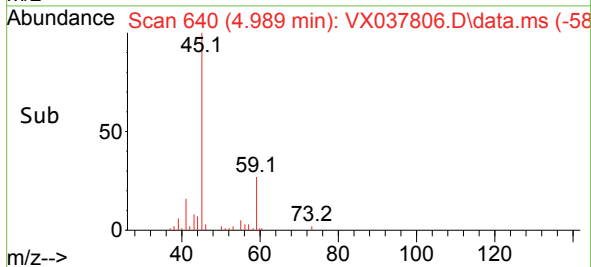
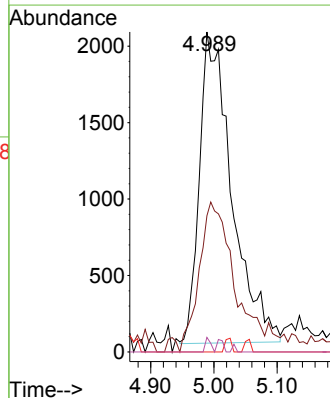
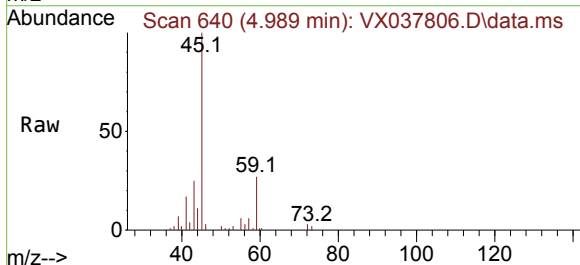
Ion Ratio Lower Upper

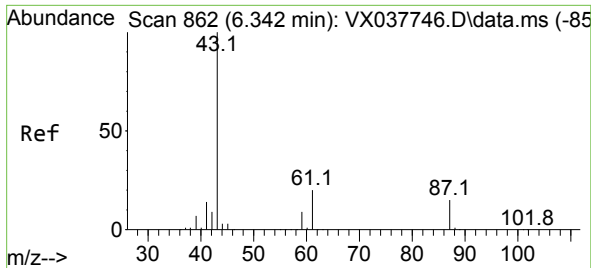
41 100

39 51.8 45.2 67.8

67 0.0 52.6 78.8#

52 0.8 22.7 34.1#

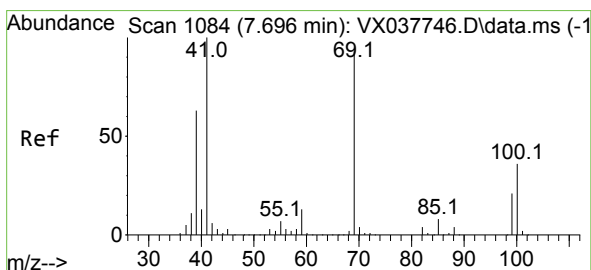
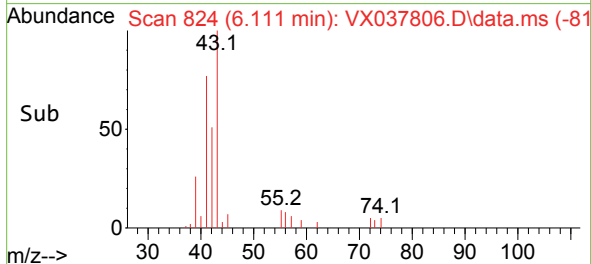
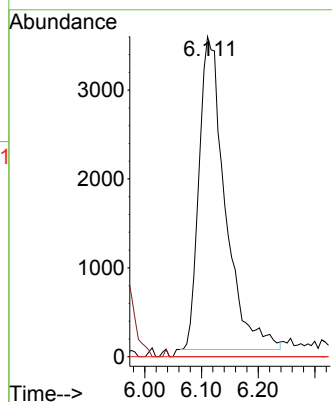
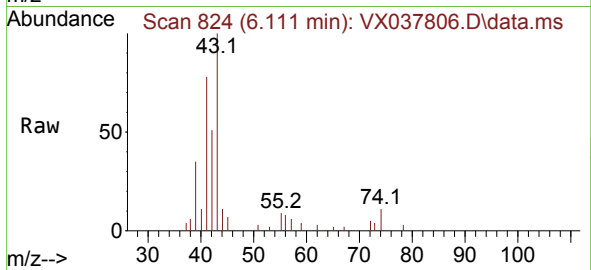




#43
Isopropyl Acetate
Concen: 1.840 ug/l
RT: 6.111 min Scan# 81
Delta R.T. -0.232 min
Lab File: VX037806.D
Acq: 19 Sep 2023 15:16

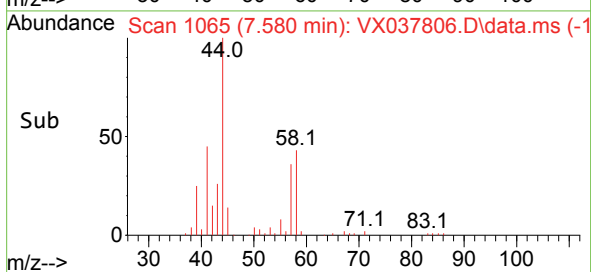
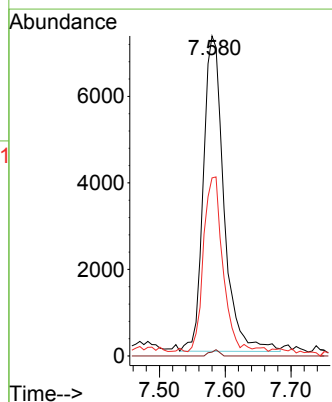
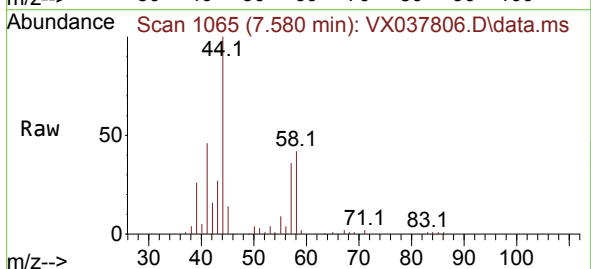
Instrument :
MSVOA_X
ClientSampleId :

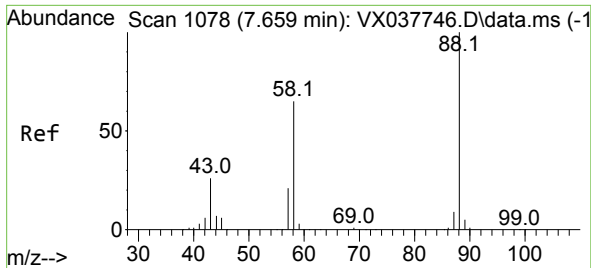
Tgt Ion: 43 Resp: 11258
Ion Ratio Lower Upper
43 100
61 0.0 15.2 22.8#
87 0.0 9.8 14.6#



#48
Methyl methacrylate
Concen: 5.433 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.122 min
Lab File: VX037806.D
Acq: 19 Sep 2023 15:16

Tgt Ion: 41 Resp: 15889
Ion Ratio Lower Upper
41 100
69 0.9 59.2 88.8#
39 51.8 47.7 71.5

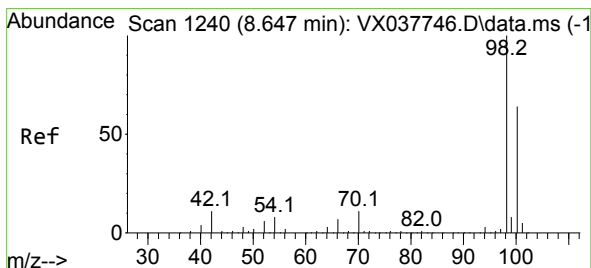
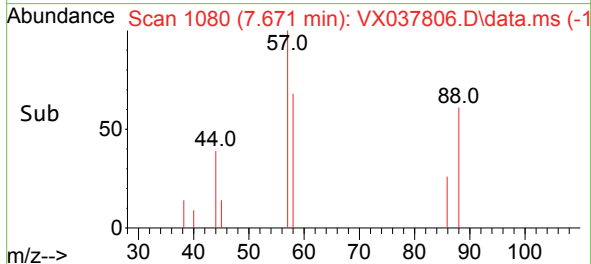
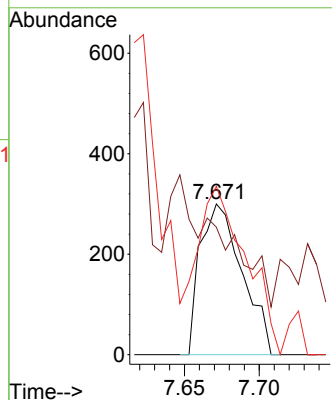
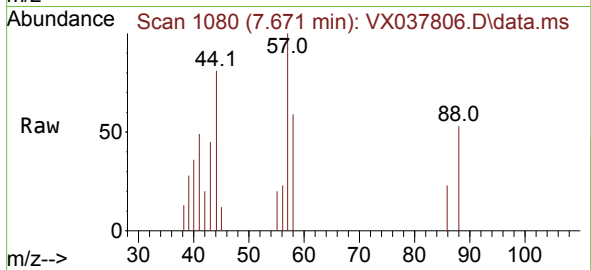




#49
1,4-Dioxane
Concen: 7.604 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.000 min
Lab File: VX037806.D
Acq: 19 Sep 2023 15:16

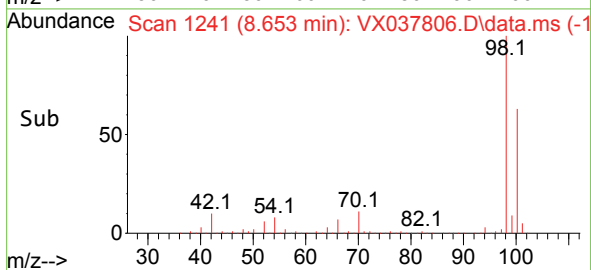
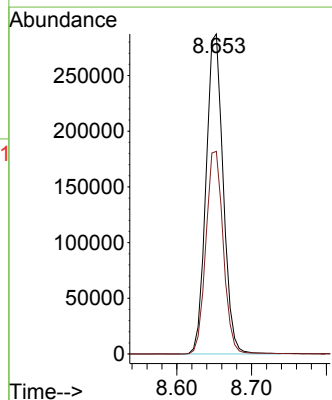
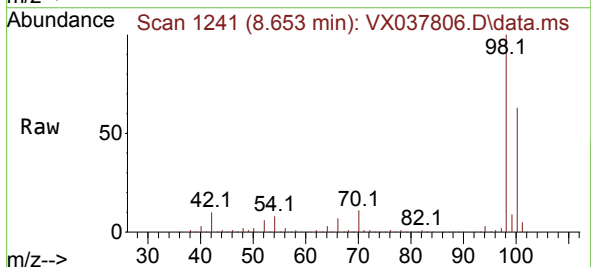
Instrument :
MSVOA_X
ClientSampleId :

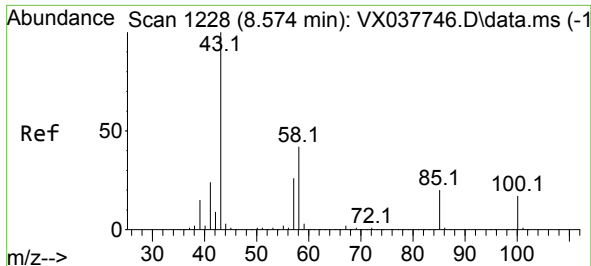
Tgt Ion: 88 Resp: 583
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 131.6 60.1 90.1#



#50
Toluene-d8
Concen: 48.705 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX037806.D
Acq: 19 Sep 2023 15:16

Tgt Ion: 98 Resp: 457213
Ion Ratio Lower Upper
98 100
100 64.2 53.1 79.7

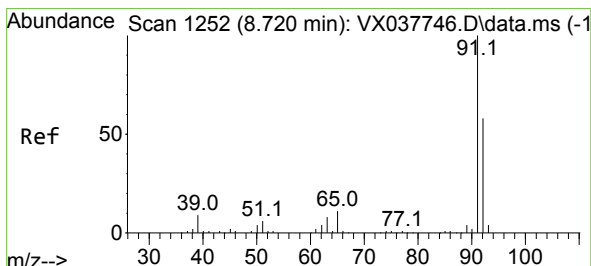
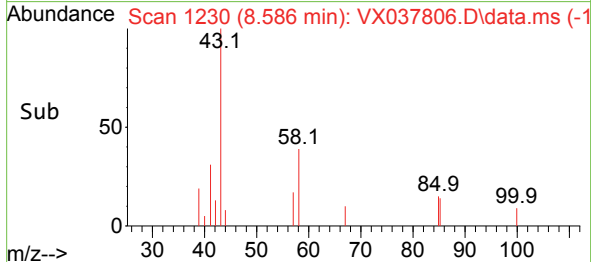
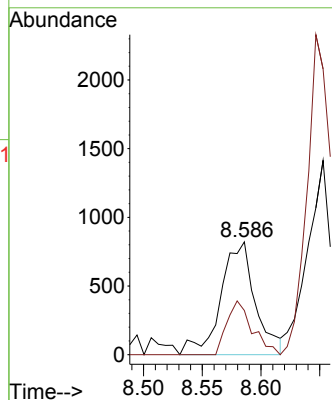
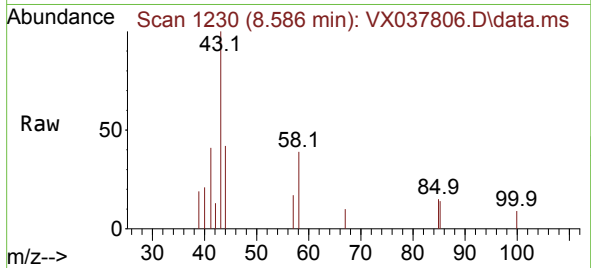




#51
4-Methyl-2-Pentanone
Concen: 0.432 ug/l
RT: 8.586 min Scan# 1230
Delta R.T. 0.012 min
Lab File: VX037806.D
Acq: 19 Sep 2023 15:16

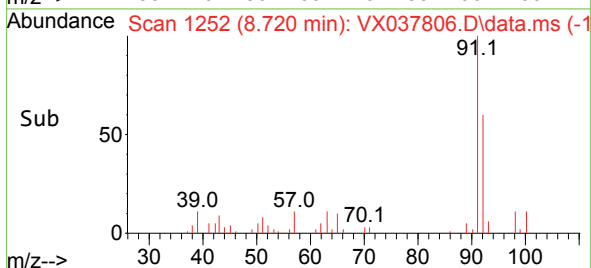
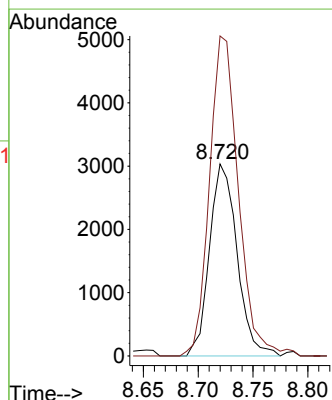
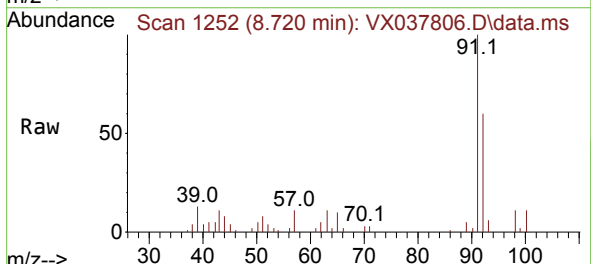
Instrument :
MSVOA_X
ClientSampleId :

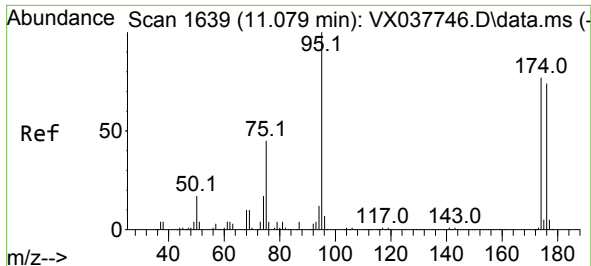
Tgt Ion: 43 Resp: 1677
Ion Ratio Lower Upper
43 100
58 34.9 30.4 45.6



#52
Toluene
Concen: 0.771 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX037806.D
Acq: 19 Sep 2023 15:16

Tgt Ion: 92 Resp: 5317
Ion Ratio Lower Upper
92 100
91 174.3 134.2 201.2

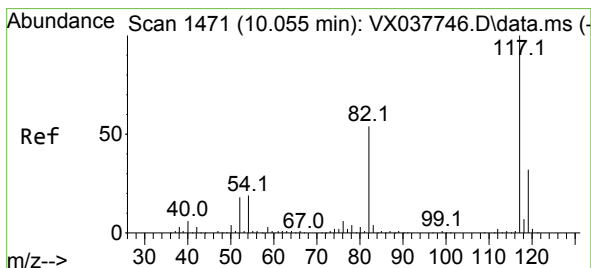
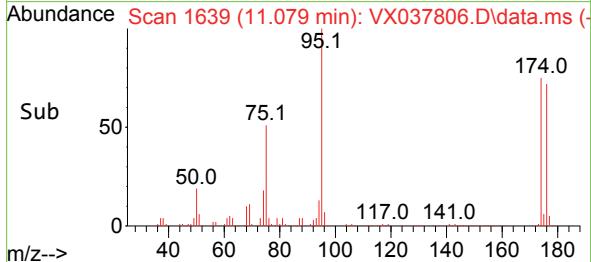
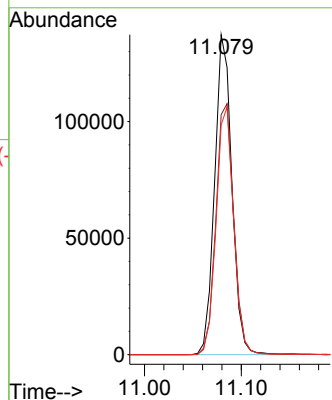
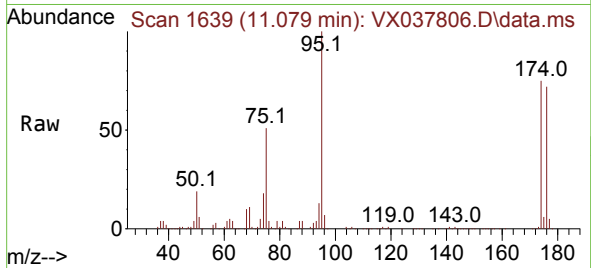




#62
4-Bromofluorobenzene
Concen: 49.898 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX037806.D
Acq: 19 Sep 2023 15:16

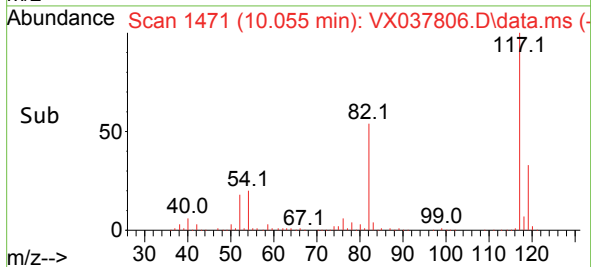
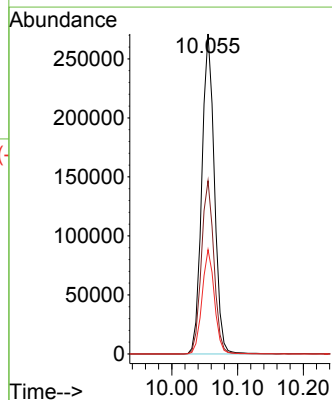
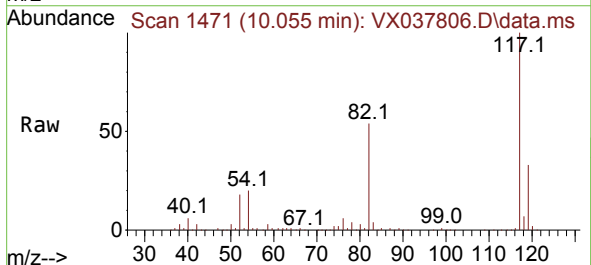
Instrument :
MSVOA_X
ClientSampleId :

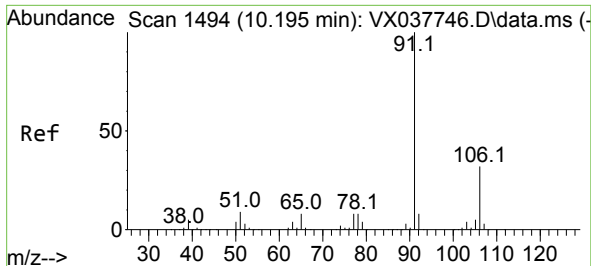
Tgt Ion: 95 Resp: 170211
Ion Ratio Lower Upper
95 100
174 81.6 0.0 135.6
176 78.7 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037806.D
Acq: 19 Sep 2023 15:16

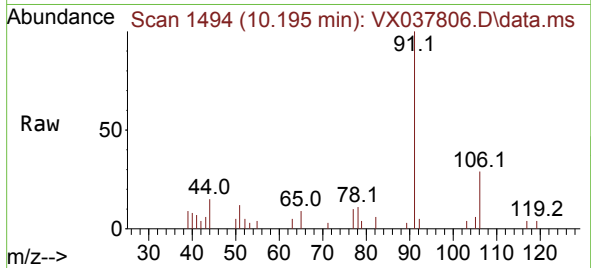
Tgt Ion: 117 Resp: 359929
Ion Ratio Lower Upper
117 100
82 54.2 46.2 69.4
119 32.6 25.5 38.3



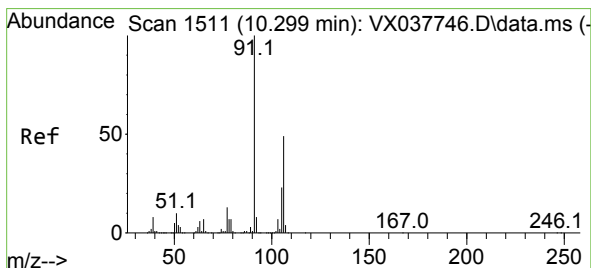
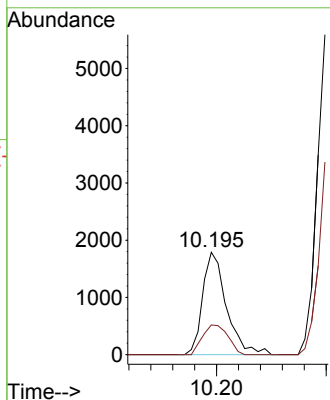
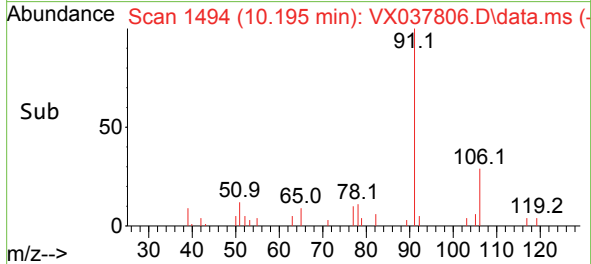


#67
Ethyl Benzene
Concen: 0.201 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX037806.D
Acq: 19 Sep 2023 15:16

Instrument :
MSVOA_X
ClientSampleId :

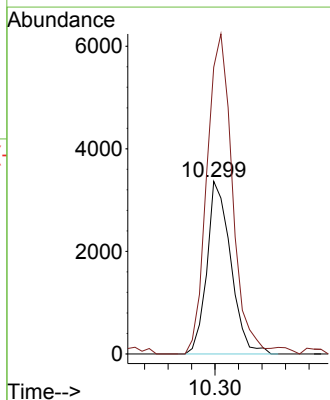
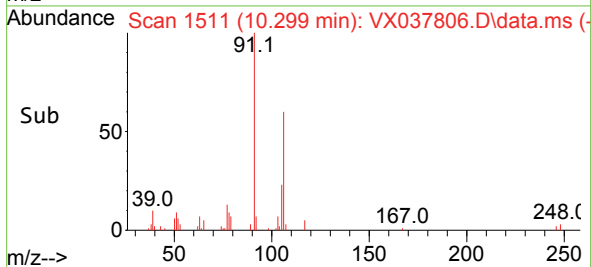
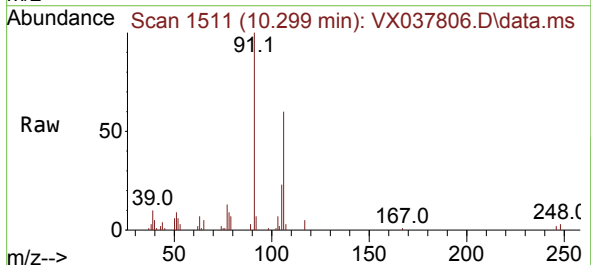


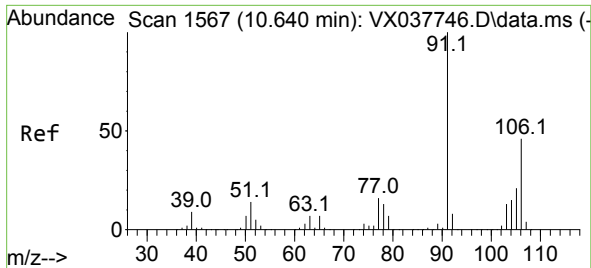
Tgt Ion: 91 Resp: 2704
Ion Ratio Lower Upper
91 100
106 29.1 24.9 37.3



#68
m/p-Xylenes
Concen: 0.909 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX037806.D
Acq: 19 Sep 2023 15:16

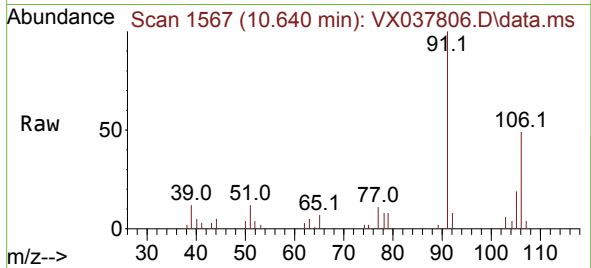
Tgt Ion: 106 Resp: 4726
Ion Ratio Lower Upper
106 100
91 198.7 165.5 248.3



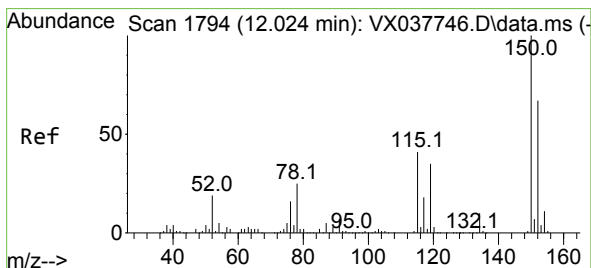
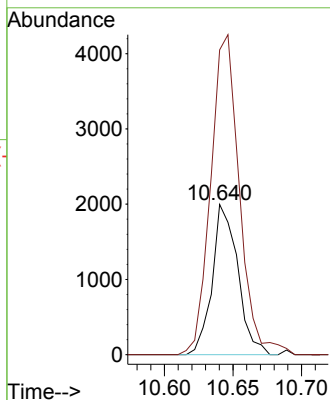
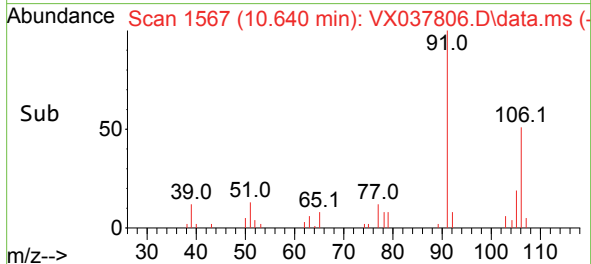


#69
o-Xylene
Concen: 0.496 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX037806.D
Acq: 19 Sep 2023 15:16

Instrument :
MSVOA_X
ClientSampleId :

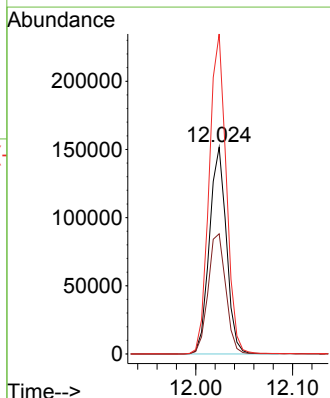
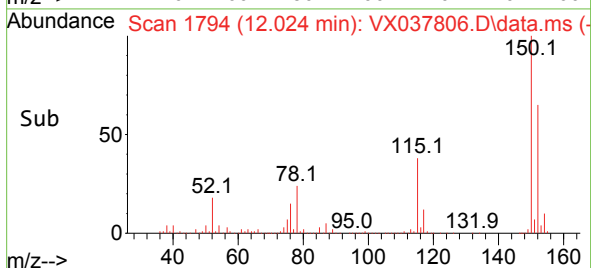
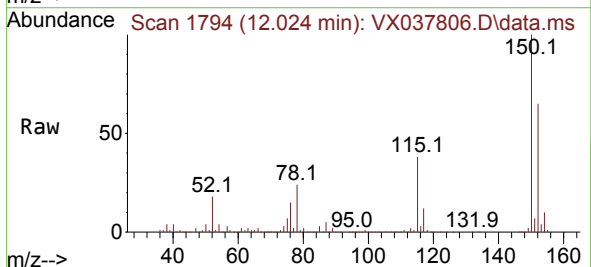


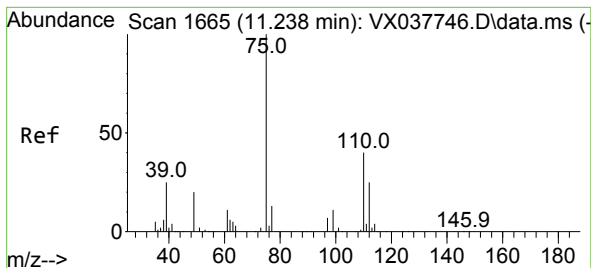
Tgt Ion:106 Resp: 2588
Ion Ratio Lower Upper
106 100
91 239.4 108.9 326.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX037806.D
Acq: 19 Sep 2023 15:16

Tgt Ion:152 Resp: 185469
Ion Ratio Lower Upper
152 100
115 60.6 43.3 129.9
150 156.2 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 20.183 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037806.D

Acq: 19 Sep 2023 15:16

Instrument :

MSVOA_X

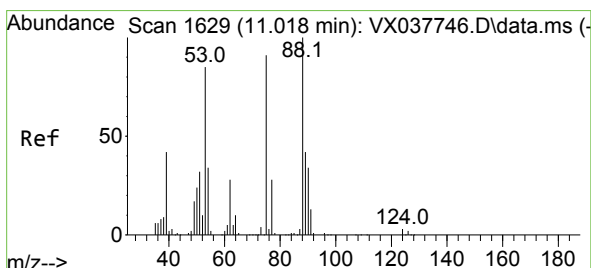
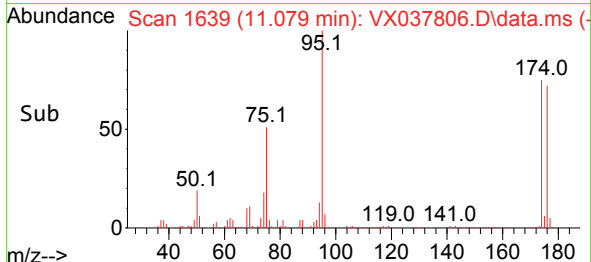
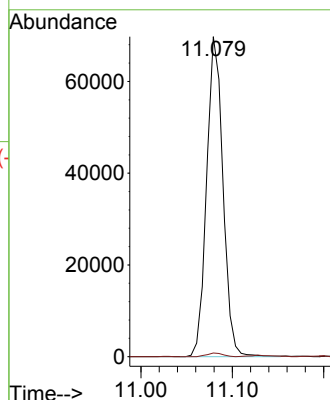
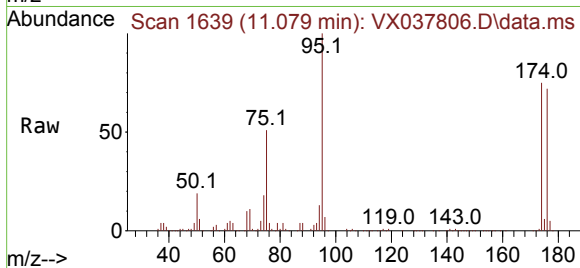
ClientSampleId :

Tgt Ion: 75 Resp: 86578

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.653 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX037806.D

Acq: 19 Sep 2023 15:16

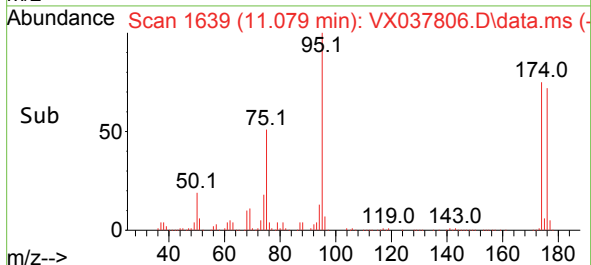
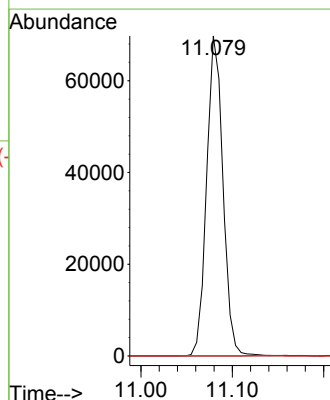
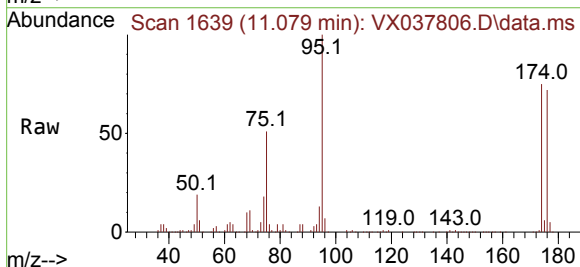
Tgt Ion: 75 Resp: 86578

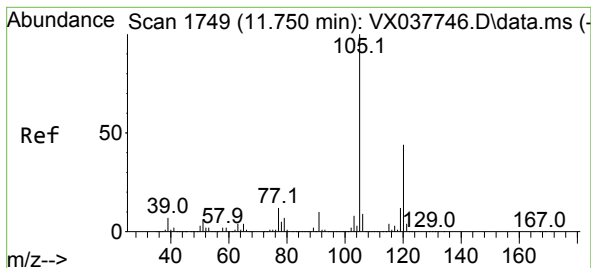
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#84

1,2,4-Trimethylbenzene

Concen: 0.263 ug/l

RT: 11.756 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX037806.D

Acq: 19 Sep 2023 15:16

Instrument :

MSVOA_X

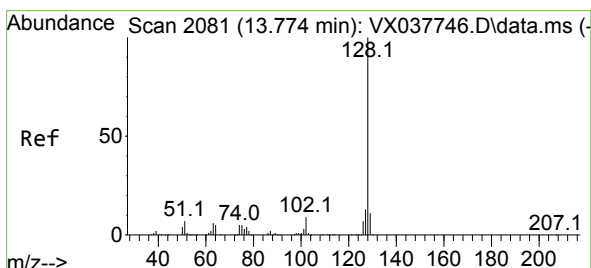
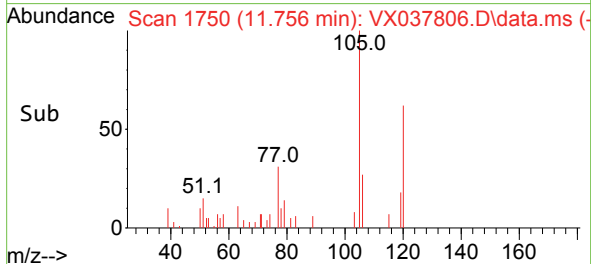
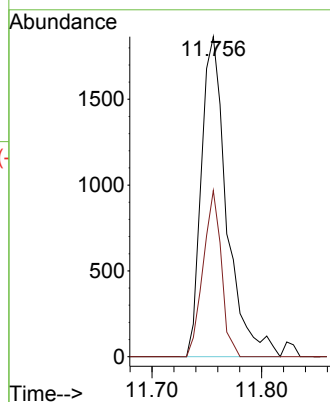
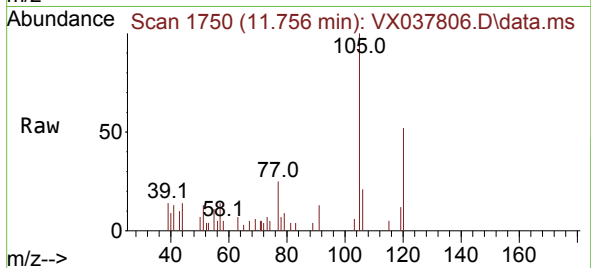
ClientSampleId :

Tgt Ion:105 Resp: 3006

Ion Ratio Lower Upper

105 100

120 37.1 21.2 63.6



#95

Naphthalene

Concen: 0.205 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. -0.000 min

Lab File: VX037806.D

Acq: 19 Sep 2023 15:16

Tgt Ion:128 Resp: 2620

Ion Ratio Lower Upper

128 100

127 13.8 10.3 15.5

129 10.9 8.8 13.2

