

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093023\
 Data File : VX038008.D
 Acq On : 30 Sep 2023 16:50
 Operator : JC/MD
 Sample : 04647-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S-5

Quant Time: Oct 02 02:14:27 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)

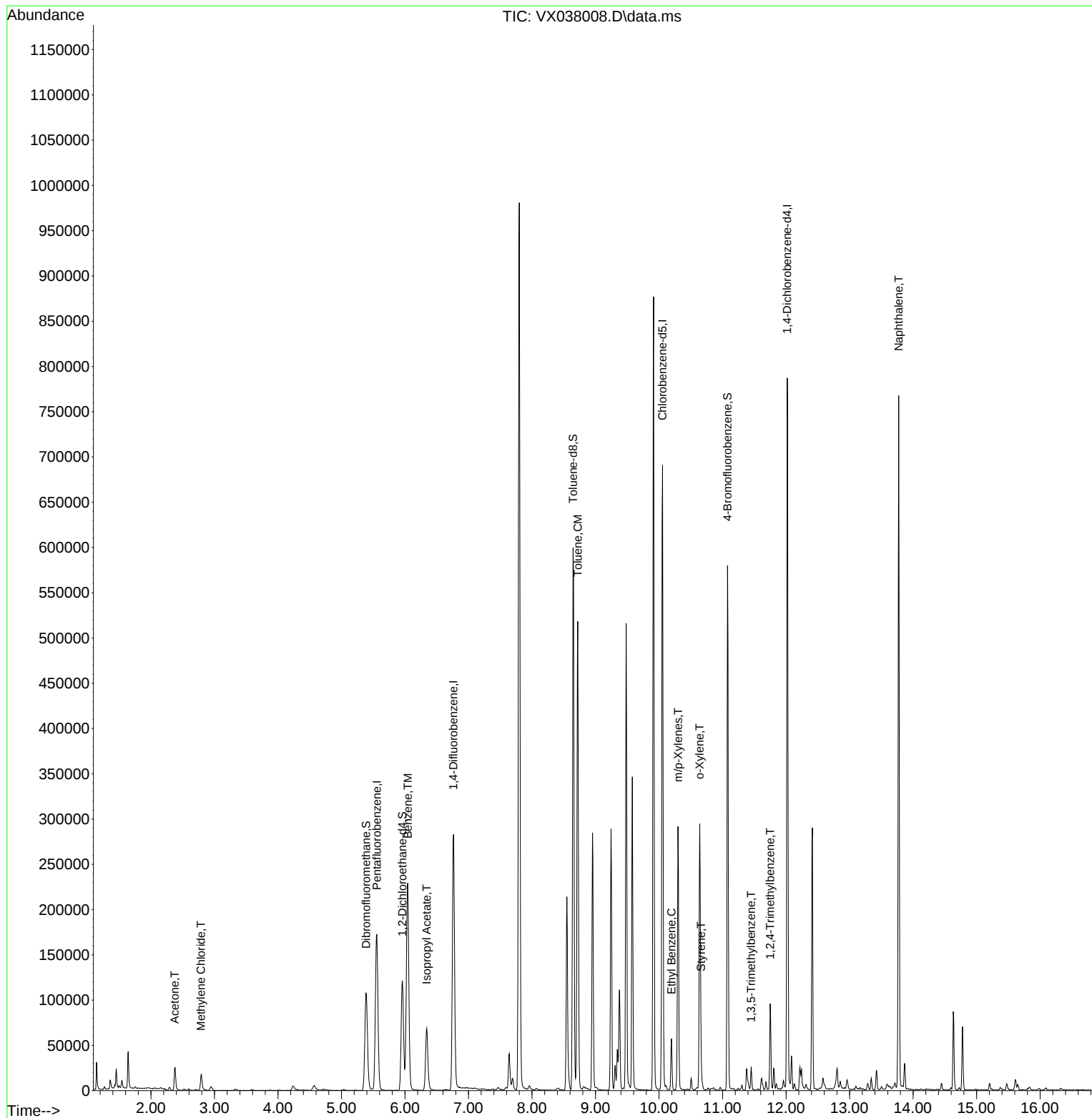
Internal Standards						
1) Pentafluorobenzene	5.556	168	159083	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	283574	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	294280	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	154977	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	118850	56.863	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 113.720%	
35) Dibromofluoromethane	5.385	113	92271	48.630	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.260%	
50) Toluene-d8	8.647	98	359068	50.931	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 101.860%	
62) 4-Bromofluorobenzene	11.079	95	144150	56.268	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 112.540%	
Target Compounds						
					Qvalue	
16) Acetone	2.374	43	27293	27.145	ug/l	91
20) Methylene Chloride	2.788	84	8248	4.414	ug/l	92
40) Benzene	6.044	78	276891	34.449	ug/l	99
43) Isopropyl Acetate	6.342	43	93614	20.374	ug/l	99
52) Toluene	8.720	92	190169	36.711	ug/l	93
67) Ethyl Benzene	10.195	91	32342	2.939	ug/l	96
68) m/p-Xylenes	10.299	106	62174	14.620	ug/l	98
69) o-Xylene	10.640	106	44483	10.431	ug/l	99
70) Styrene	10.659	104	21683	3.167	ug/l #	75
80) 1,3,5-Trimethylbenzene	11.451	105	10422	1.085	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	37050	3.878	ug/l	88
95) Naphthalene	13.774	128	431559	40.446	ug/l	100

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

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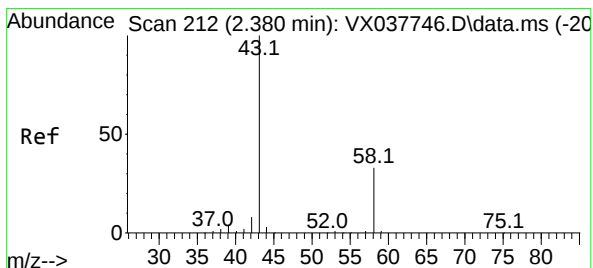
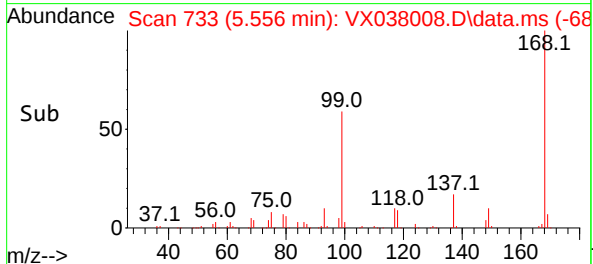
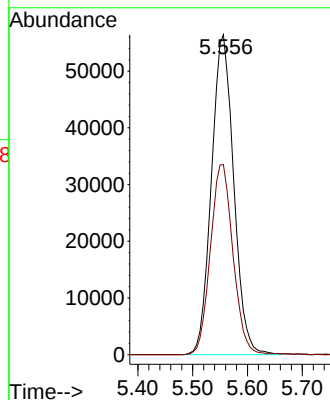
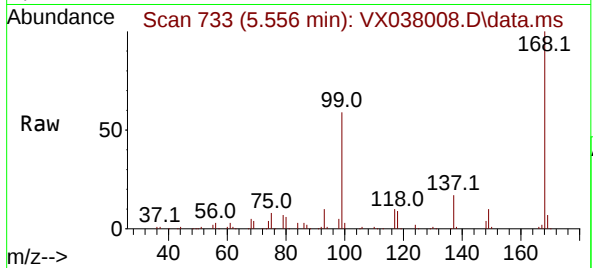




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX038008.D
Acq: 30 Sep 2023 16:50

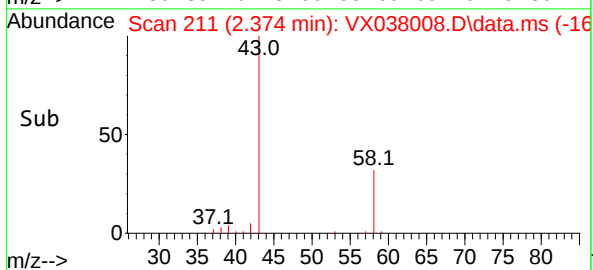
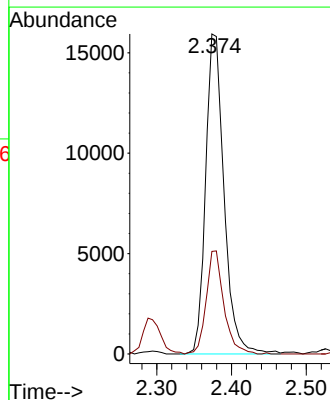
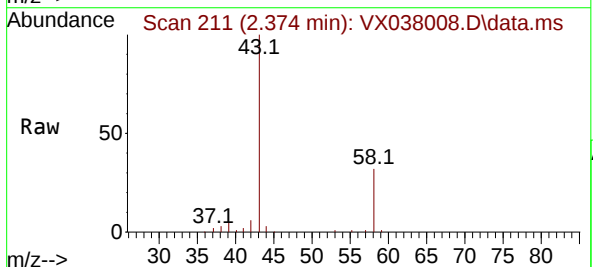
Instrument :
MSVOA_X
ClientSampleId :
S-5

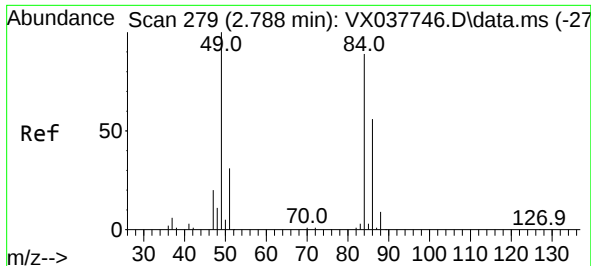
Tgt Ion:168 Resp: 159083
Ion Ratio Lower Upper
168 100
99 59.4 56.6 85.0



#16
Acetone
Concen: 27.145 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX038008.D
Acq: 30 Sep 2023 16:50

Tgt Ion: 43 Resp: 27293
Ion Ratio Lower Upper
43 100
58 32.1 21.9 32.9





#20

Methylene Chloride

Concen: 4.414 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX038008.D

Acq: 30 Sep 2023 16:50

Instrument :

MSVOA_X

ClientSampleId :

S-5

Tgt Ion: 84 Resp: 8248

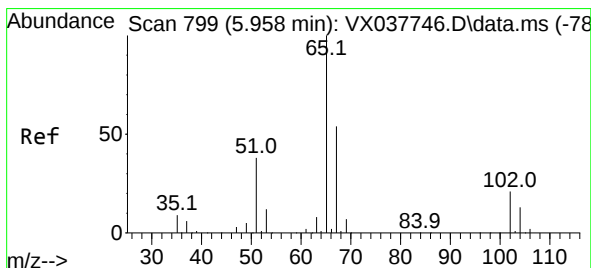
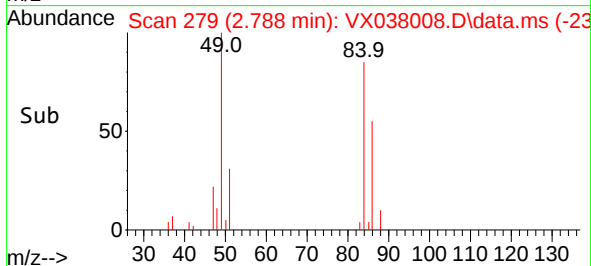
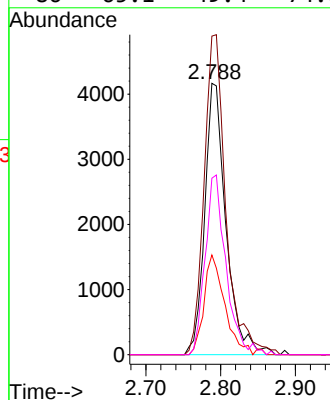
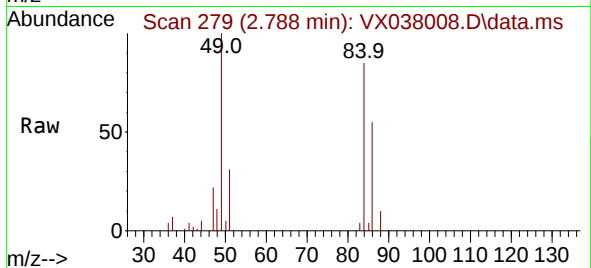
Ion Ratio Lower Upper

84 100

49 117.4 103.6 155.4

51 36.7 33.8 50.6

86 65.1 49.4 74.0



#33

1,2-Dichloroethane-d4

Concen: 56.863 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX038008.D

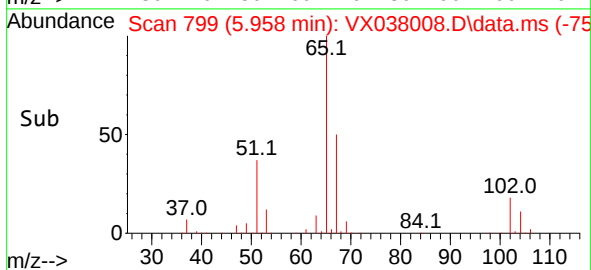
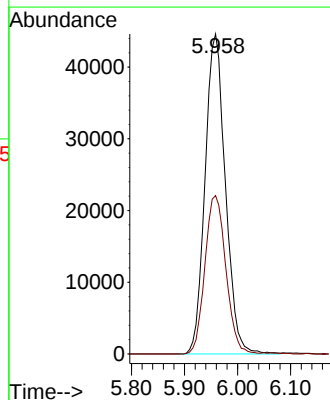
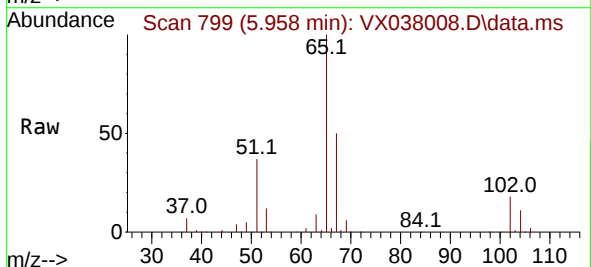
Acq: 30 Sep 2023 16:50

Tgt Ion: 65 Resp: 118850

Ion Ratio Lower Upper

65 100

67 51.0 0.0 100.2

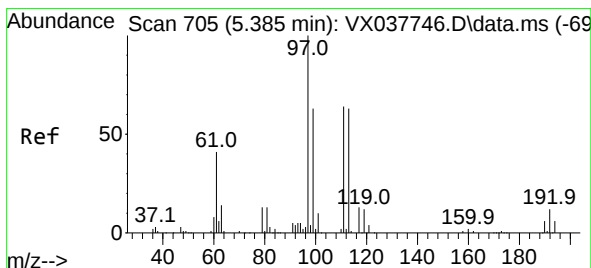
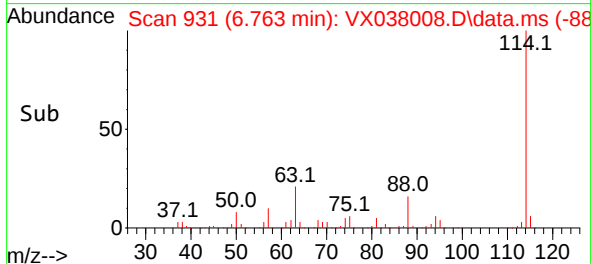
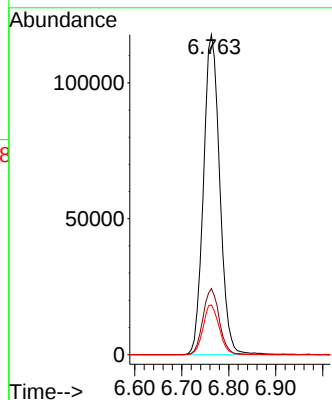
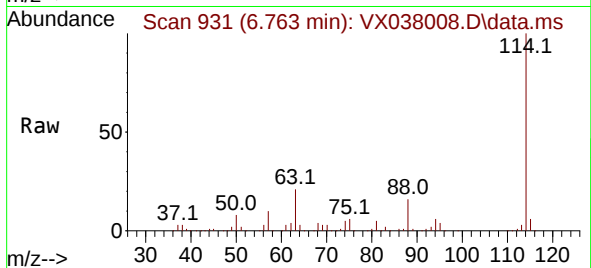




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX038008.D
Acq: 30 Sep 2023 16:50

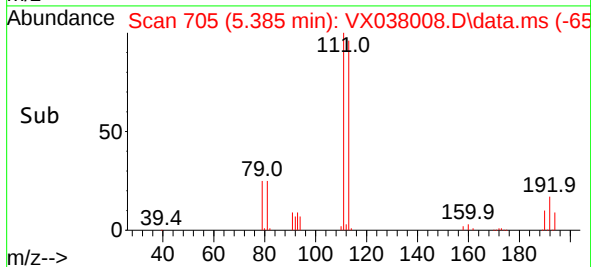
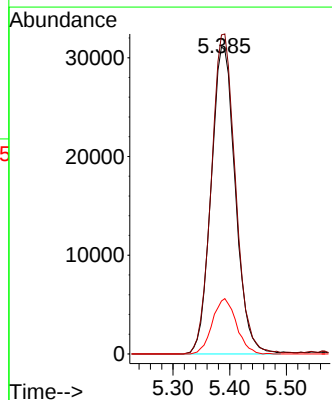
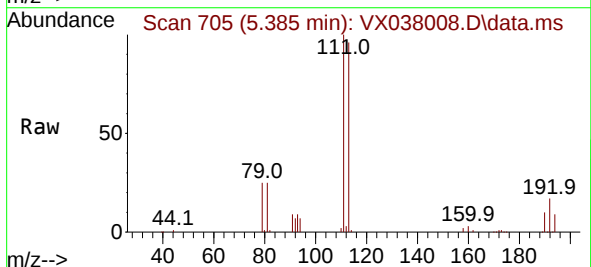
Instrument :
MSVOA_X
ClientSampleId :
S-5

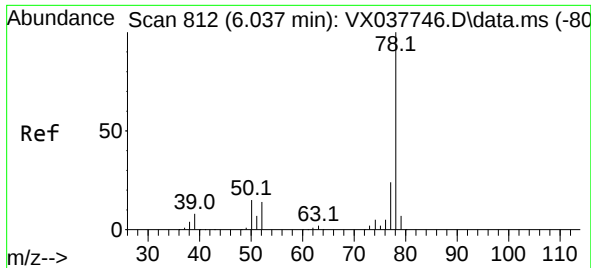
Tgt Ion:114 Resp: 283574
Ion Ratio Lower Upper
114 100
63 20.6 0.0 45.0
88 15.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 48.630 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038008.D
Acq: 30 Sep 2023 16:50

Tgt Ion:113 Resp: 92271
Ion Ratio Lower Upper
113 100
111 104.0 82.9 124.3
192 17.8 13.3 19.9





#40

Benzene

Concen: 34.449 ug/l

RT: 6.044 min Scan# 812

Delta R.T. -0.000 min

Lab File: VX038008.D

Acq: 30 Sep 2023 16:50

Instrument :

MSVOA_X

ClientSampleId :

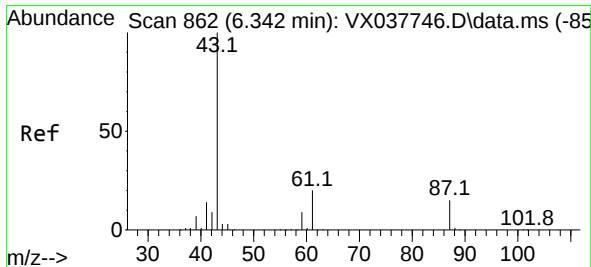
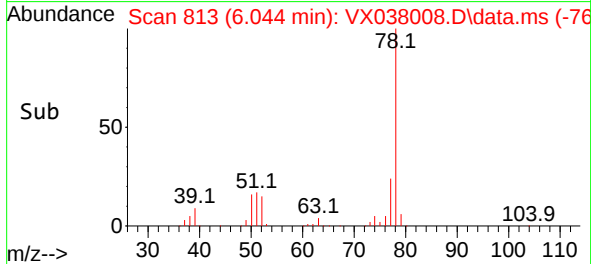
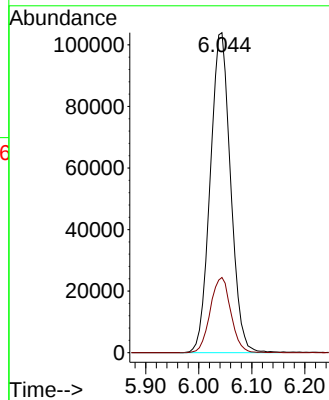
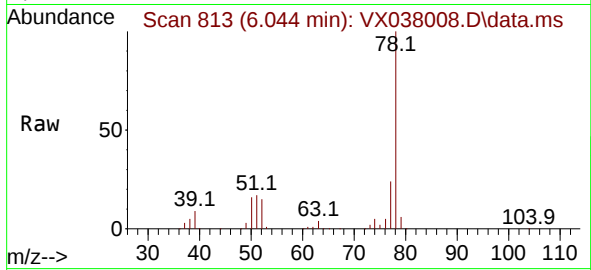
S-5

Tgt Ion: 78 Resp: 276891

Ion Ratio Lower Upper

78 100

77 23.5 19.3 28.9



#43

Isopropyl Acetate

Concen: 20.374 ug/l

RT: 6.342 min Scan# 862

Delta R.T. -0.000 min

Lab File: VX038008.D

Acq: 30 Sep 2023 16:50

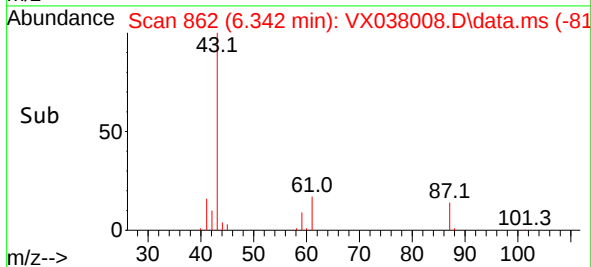
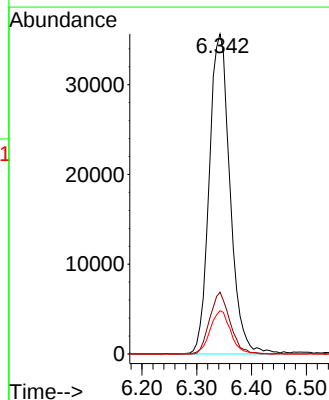
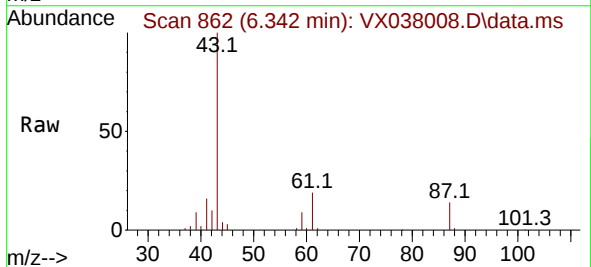
Tgt Ion: 43 Resp: 93614

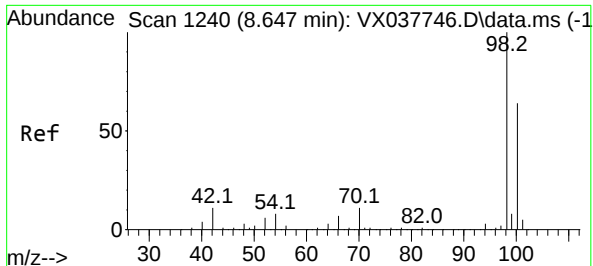
Ion Ratio Lower Upper

43 100

61 18.8 15.2 22.8

87 13.2 9.8 14.6

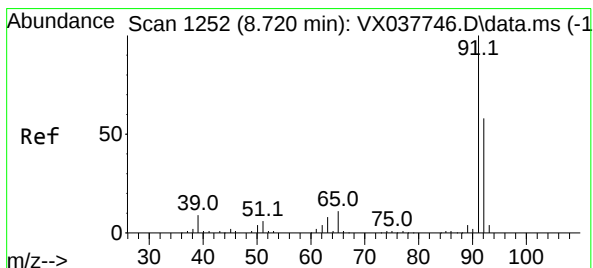
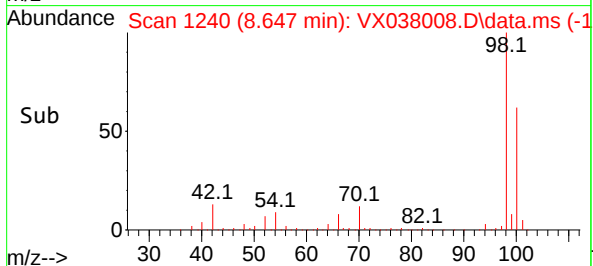
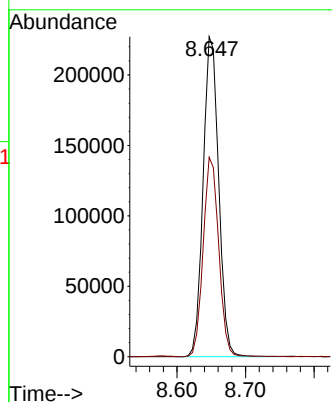
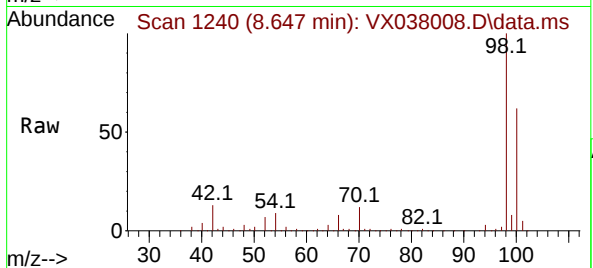




#50
Toluene-d8
Concen: 50.931 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX038008.D
Acq: 30 Sep 2023 16:50

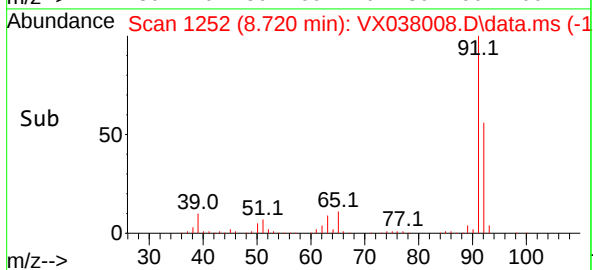
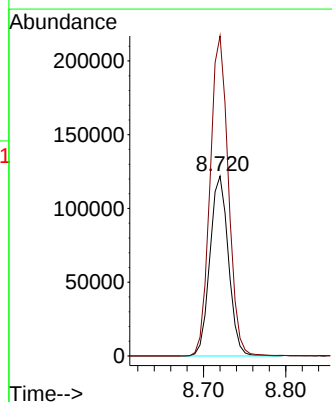
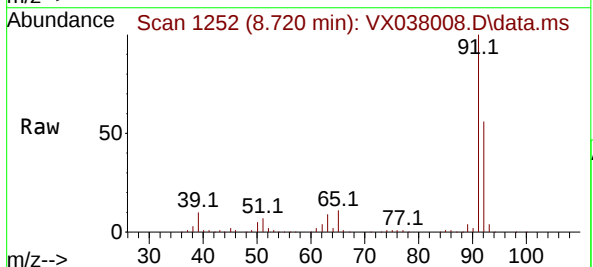
Instrument :
MSVOA_X
ClientSampleId :
S-5

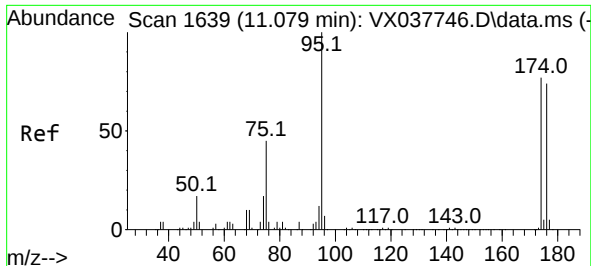
Tgt Ion: 98 Resp: 359068
Ion Ratio Lower Upper
98 100
100 62.4 53.1 79.7



#52
Toluene
Concen: 36.711 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX038008.D
Acq: 30 Sep 2023 16:50

Tgt Ion: 92 Resp: 190169
Ion Ratio Lower Upper
92 100
91 176.7 134.2 201.2





#62

4-Bromofluorobenzene

Concen: 56.268 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX038008.D

Acq: 30 Sep 2023 16:50

Instrument :

MSVOA_X

ClientSampleId :

S-5

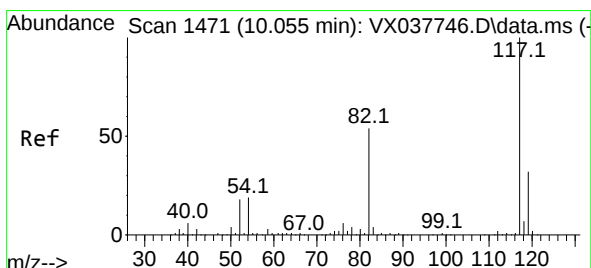
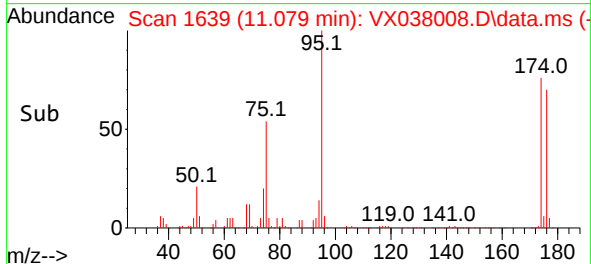
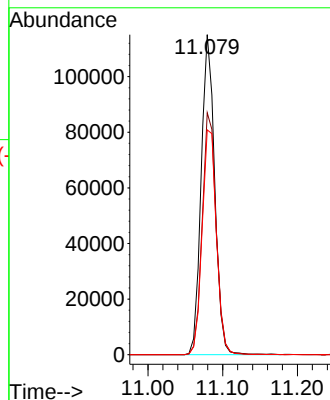
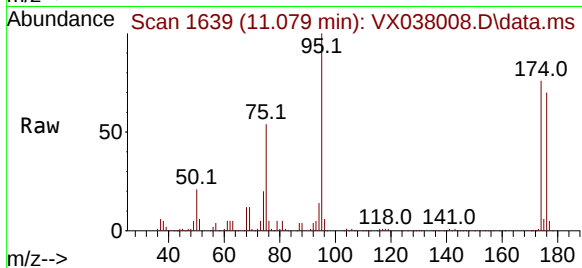
Tgt Ion: 95 Resp: 144150

Ion Ratio Lower Upper

95 100

174 78.1 0.0 135.6

176 74.6 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: VX038008.D

Acq: 30 Sep 2023 16:50

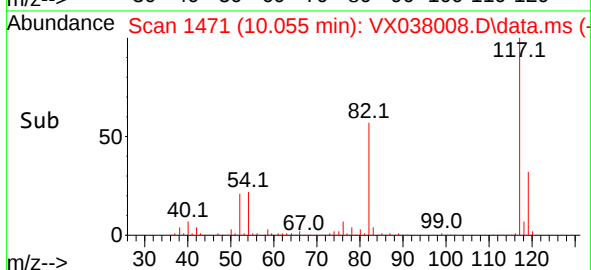
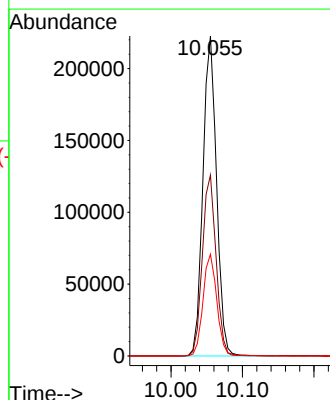
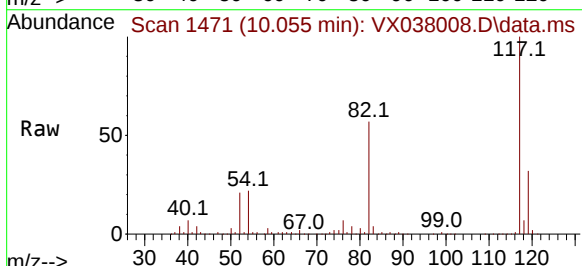
Tgt Ion: 117 Resp: 294280

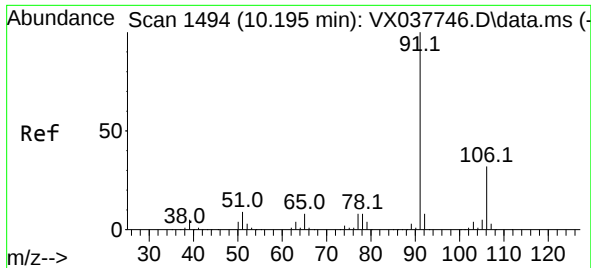
Ion Ratio Lower Upper

117 100

82 56.5 46.2 69.4

119 31.8 25.5 38.3

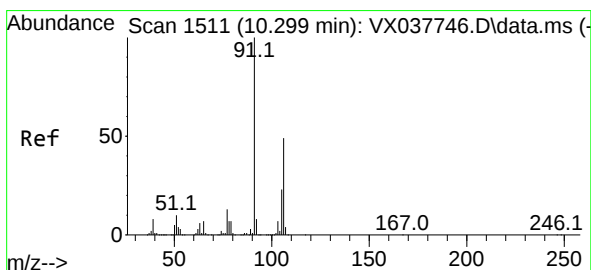
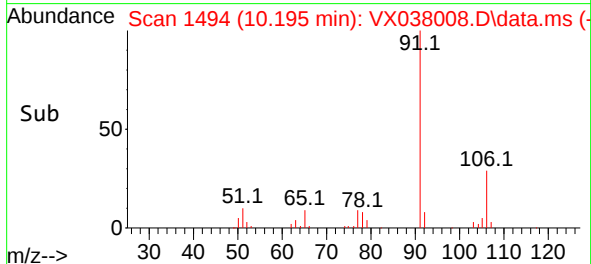
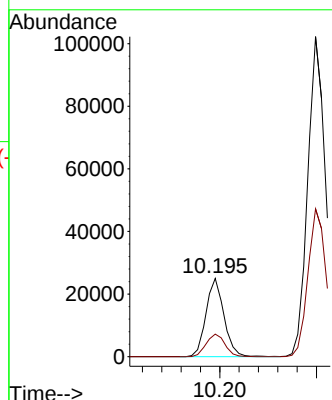
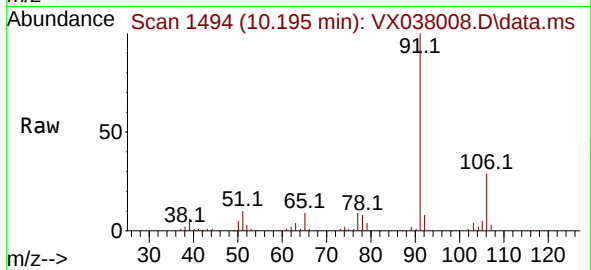




#67
Ethyl Benzene
Concen: 2.939 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX038008.D
Acq: 30 Sep 2023 16:50

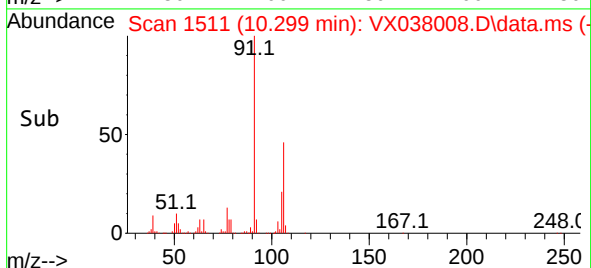
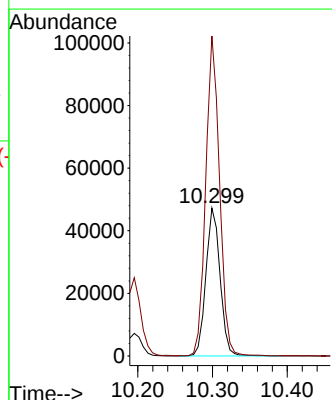
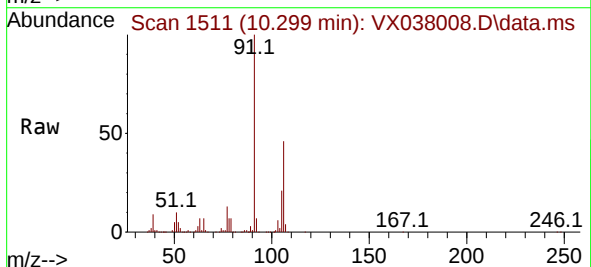
Instrument :
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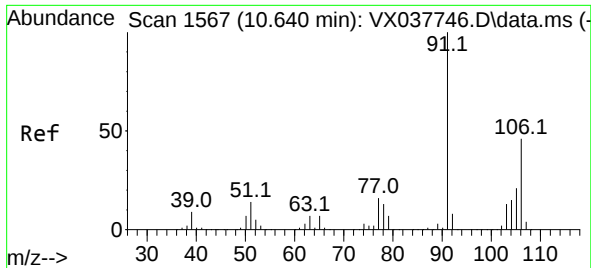
Tgt Ion: 91 Resp: 32342
Ion Ratio Lower Upper
91 100
106 28.9 24.9 37.3



#68
m/p-Xylenes
Concen: 14.620 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX038008.D
Acq: 30 Sep 2023 16:50

Tgt Ion: 106 Resp: 62174
Ion Ratio Lower Upper
106 100
91 210.7 165.5 248.3

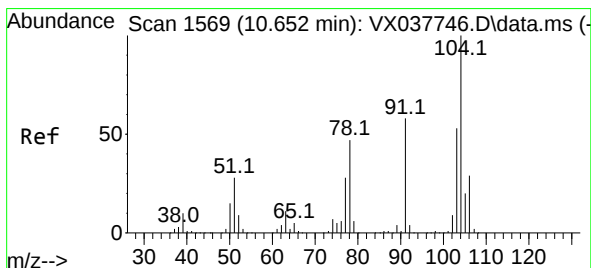
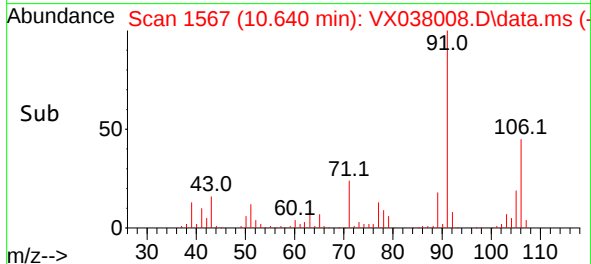
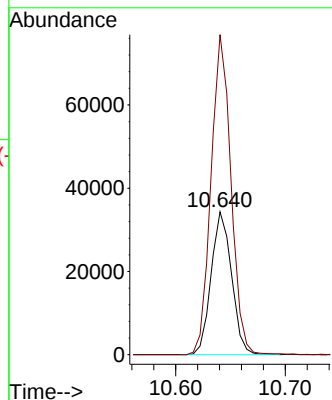
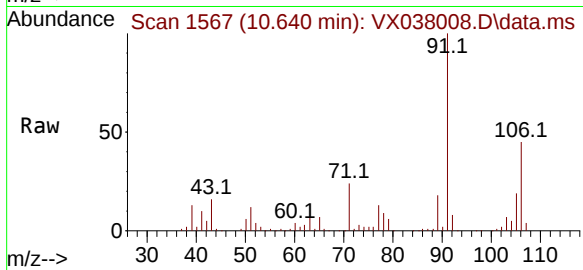




#69
o-Xylene
Concen: 10.431 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.006 min
Lab File: VX038008.D
Acq: 30 Sep 2023 16:50

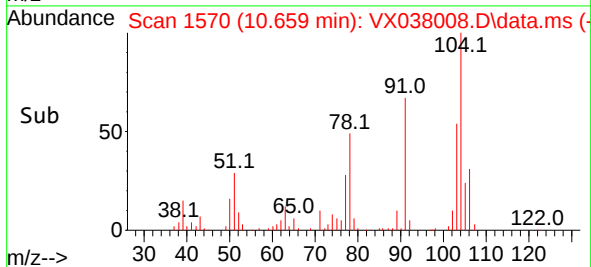
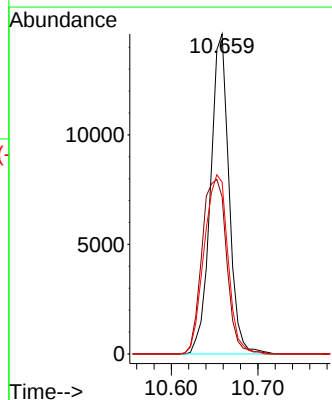
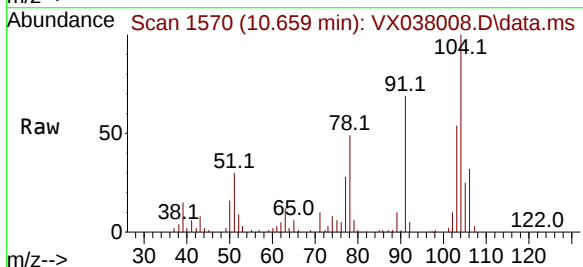
Instrument :
MSVOA_X
ClientSampleId :
S-5

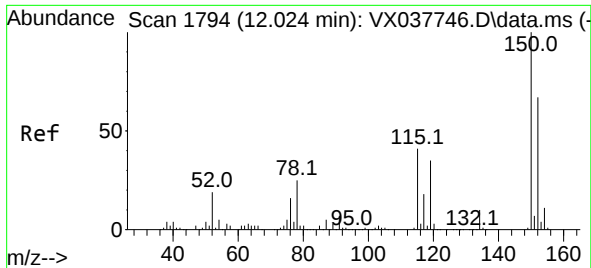
Tgt Ion:106 Resp: 44483
Ion Ratio Lower Upper
106 100
91 219.0 108.9 326.8



#70
Styrene
Concen: 3.167 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. -0.000 min
Lab File: VX038008.D
Acq: 30 Sep 2023 16:50

Tgt Ion:104 Resp: 21683
Ion Ratio Lower Upper
104 100
78 72.9 43.6 65.4#
103 71.9 43.6 65.4#

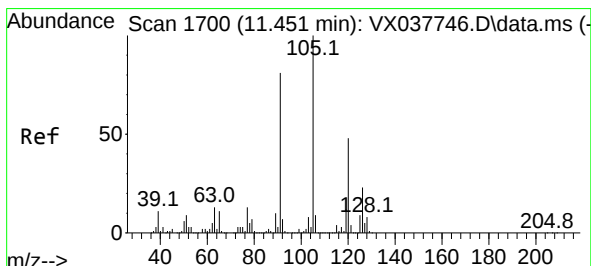
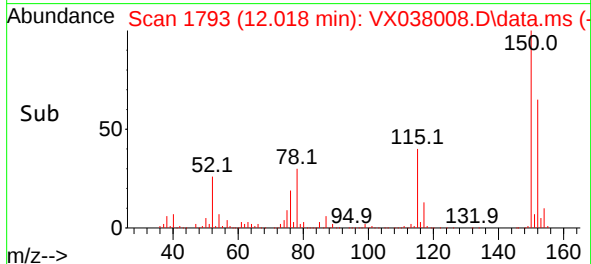
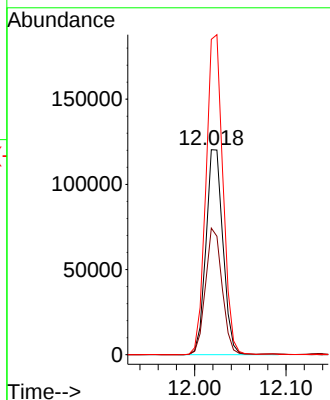
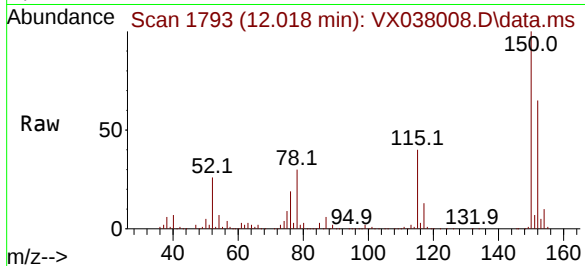




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VX038008.D
 Acq: 30 Sep 2023 16:50

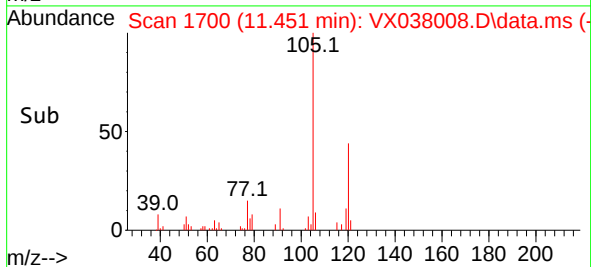
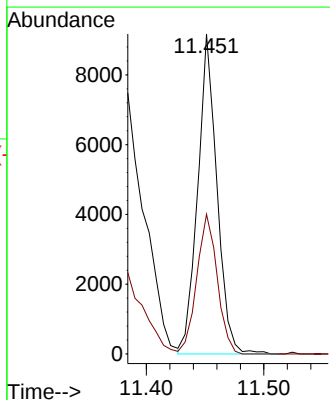
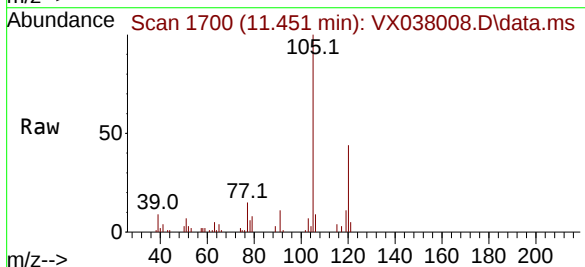
Instrument :
 MSVOA_X
 ClientSampleId :
 S-5

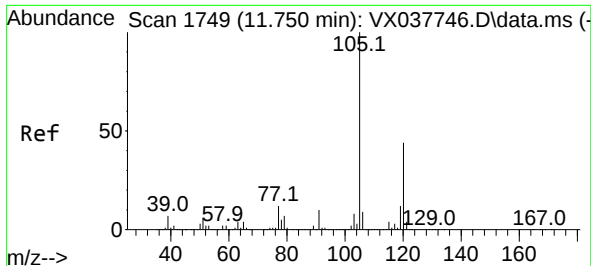
Tgt Ion:152 Resp: 154977
 Ion Ratio Lower Upper
 152 100
 115 60.4 43.3 129.9
 150 156.3 0.0 345.0



#80
 1,3,5-Trimethylbenzene
 Concen: 1.085 ug/l
 RT: 11.451 min Scan# 1700
 Delta R.T. -0.000 min
 Lab File: VX038008.D
 Acq: 30 Sep 2023 16:50

Tgt Ion:105 Resp: 10422
 Ion Ratio Lower Upper
 105 100
 120 46.5 24.1 72.3

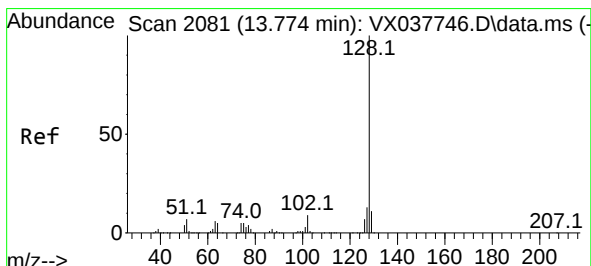
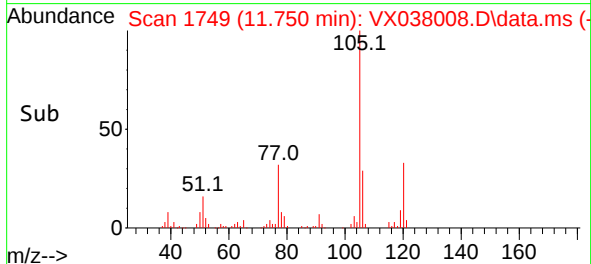
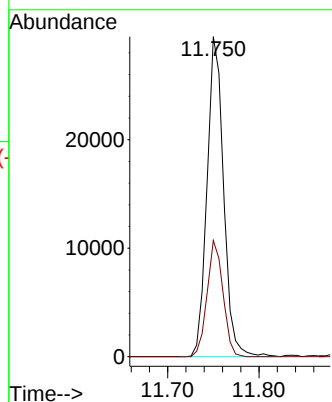
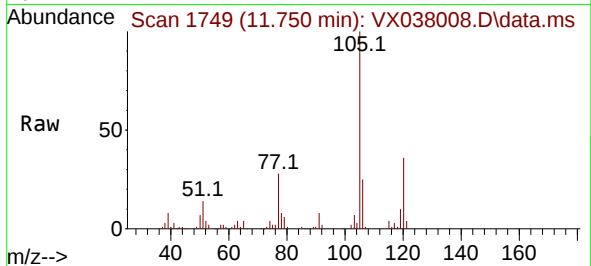




#84
1,2,4-Trimethylbenzene
Concen: 3.878 ug/l
RT: 11.750 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX038008.D
Acq: 30 Sep 2023 16:50

Instrument :
MSVOA_X
ClientSampleId :
S-5

Tgt Ion:105 Resp: 37050
Ion Ratio Lower Upper
105 100
120 34.7 21.2 63.6



#95
Naphthalene
Concen: 40.446 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX038008.D
Acq: 30 Sep 2023 16:50

Tgt Ion:128 Resp: 431559
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 10.8 8.8 13.2

