

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081423\
 Data File : VX036972.D
 Acq On : 14 Aug 2023 18:12
 Operator : JC/MD
 Sample : 03986-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1771

Quant Time: Aug 15 01:30:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

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

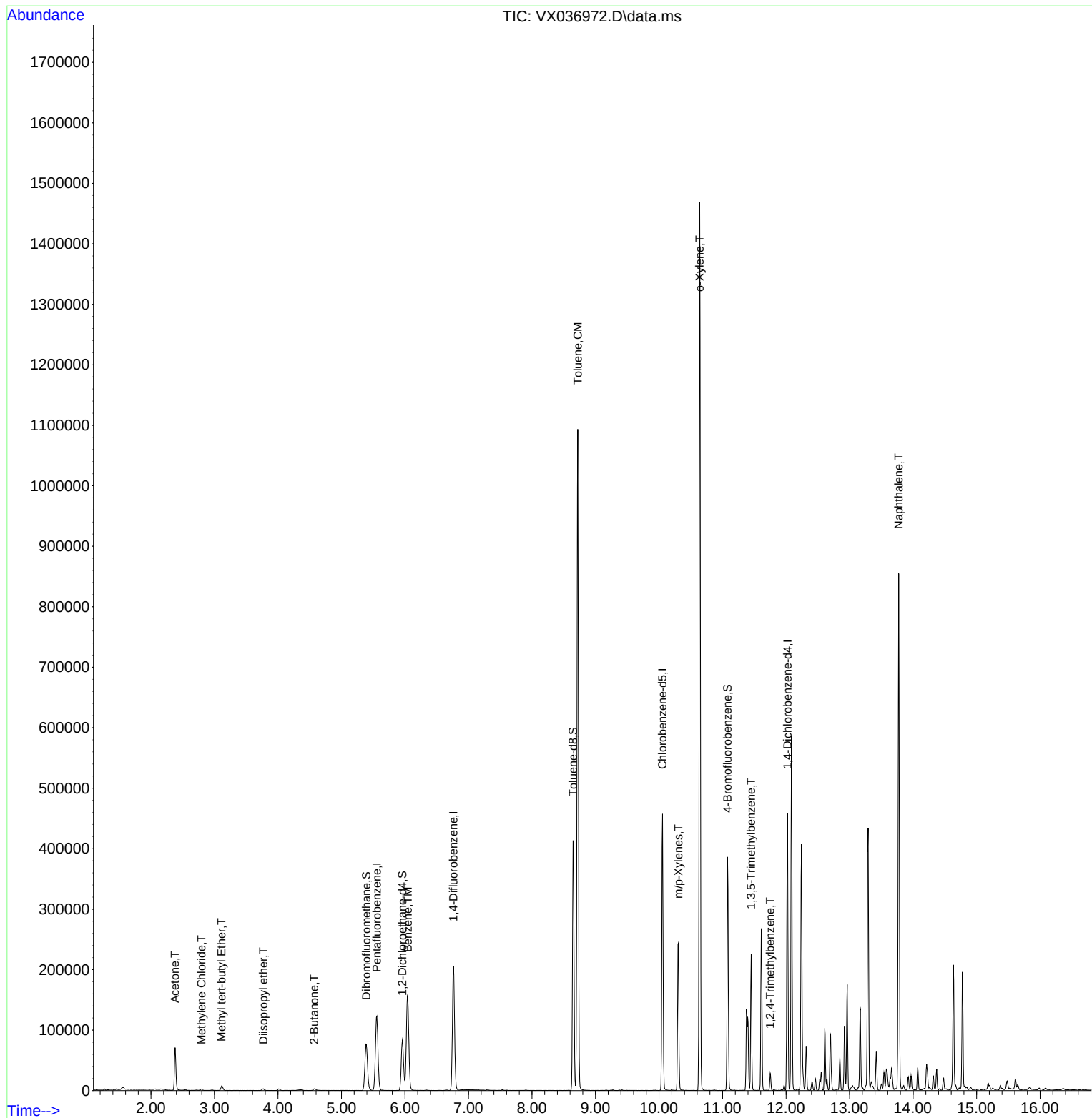
Internal Standards						
1) Pentafluorobenzene	5.556	168	113415	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	211437	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	205084	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98875	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	81136	48.349	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.700%		
35) Dibromofluoromethane	5.391	113	67928	46.741	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.480%		
50) Toluene-d8	8.647	98	257330	49.931	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.860%		
62) 4-Bromofluorobenzene	11.079	95	104732	53.863	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	107.720%		
Target Compounds						
					Qvalue	
16) Acetone	2.380	43	72727	104.438	ug/l	93
19) Methyl tert-butyl Ether	3.111	73	8543	1.790	ug/l #	90
20) Methylene Chloride	2.794	84	1215	0.785	ug/l #	81
22) Diisopropyl ether	3.770	45	2889	0.608	ug/l #	67
25) 2-Butanone	4.568	43	4965	4.395	ug/l #	73
40) Benzene	6.043	78	196247	31.139	ug/l	98
52) Toluene	8.720	92	419598	106.256	ug/l	100
68) m/p-Xylenes	10.305	106	58939	19.128	ug/l	98
69) o-Xylene	10.640	106	311558	101.298	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	92644	13.534	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	12496	1.825	ug/l	97
95) Naphthalene	13.774	128	516542	72.237	ug/l	100

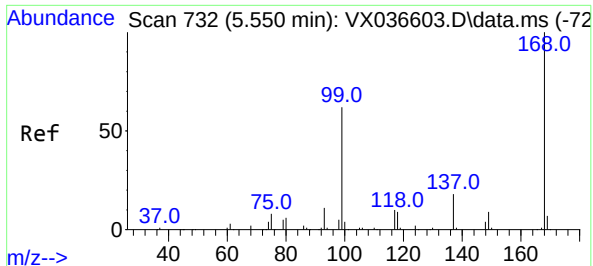
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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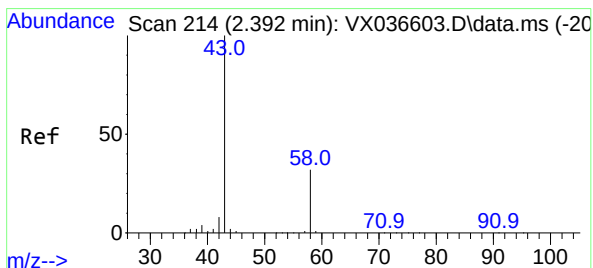
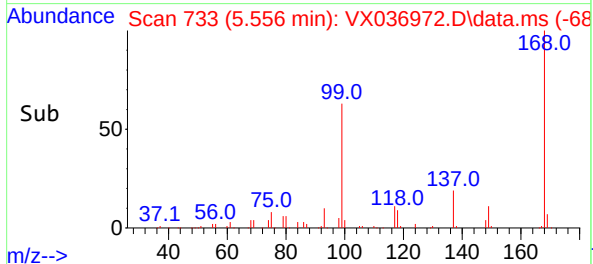
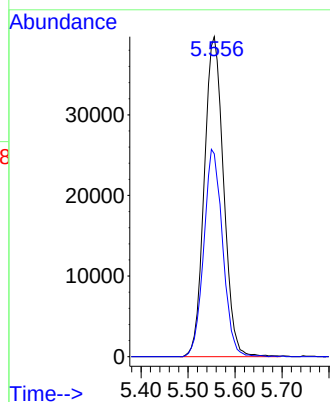
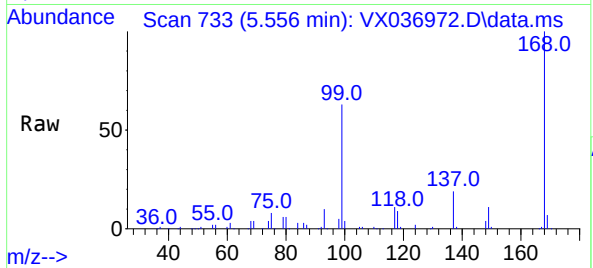




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX036972.D
Acq: 14 Aug 2023 18:12

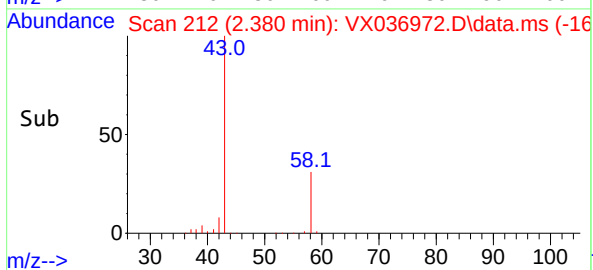
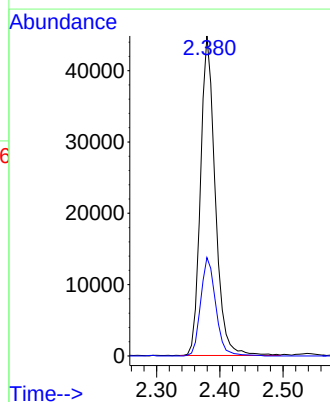
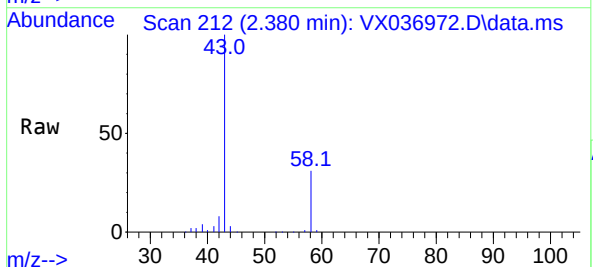
Instrument :
MSVOA_X
ClientSampleId :
1771

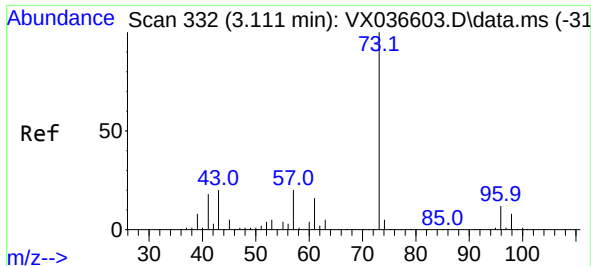
Tgt Ion:168 Resp: 113415
Ion Ratio Lower Upper
168 100
99 63.4 56.6 85.0



#16
Acetone
Concen: 104.438 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX036972.D
Acq: 14 Aug 2023 18:12

Tgt Ion: 43 Resp: 72727
Ion Ratio Lower Upper
43 100
58 30.8 21.9 32.9





#19

Methyl tert-butyl Ether

Concen: 1.790 ug/l

RT: 3.111 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX036972.D

Acq: 14 Aug 2023 18:12

Instrument :

MSVOA_X

ClientSampleId :

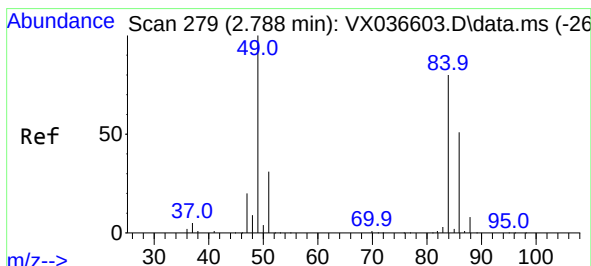
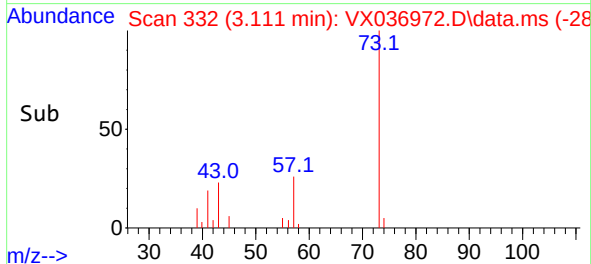
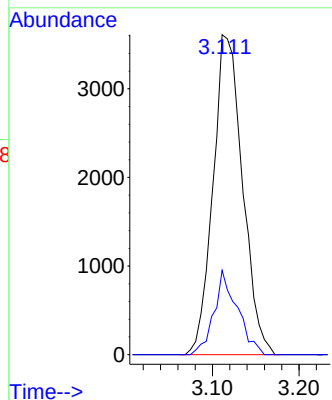
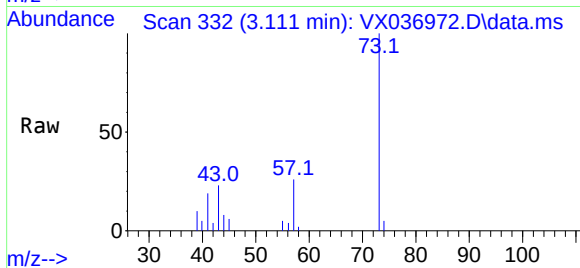
1771

Tgt Ion: 73 Resp: 8543

Ion Ratio Lower Upper

73 100

57 26.3 17.3 25.9#



#20

Methylene Chloride

Concen: 0.785 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX036972.D

Acq: 14 Aug 2023 18:12

Tgt Ion: 84 Resp: 1215

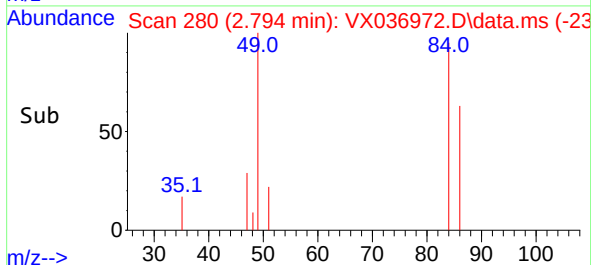
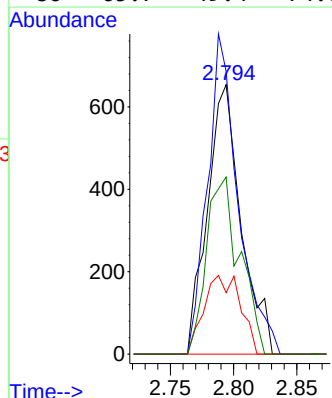
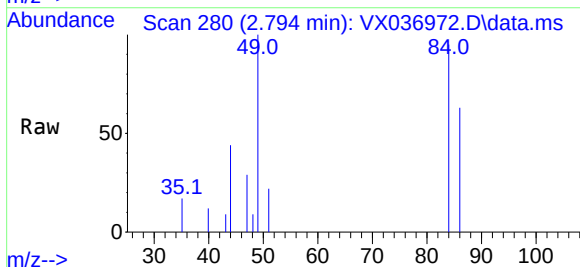
Ion Ratio Lower Upper

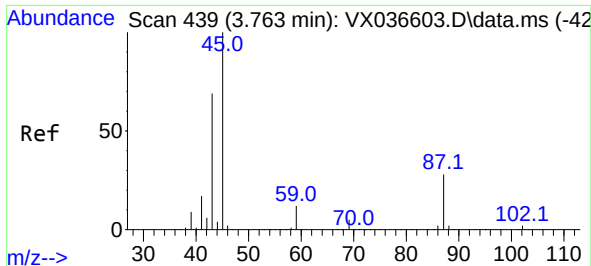
84 100

49 104.9 103.6 155.4

51 22.8 33.8 50.6#

86 65.7 49.4 74.0



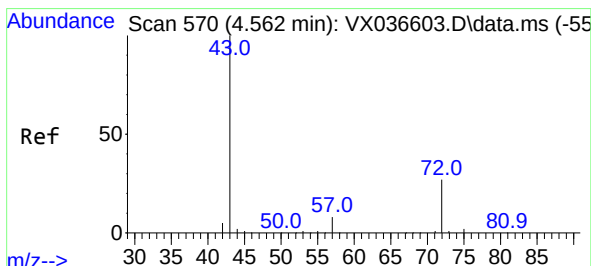
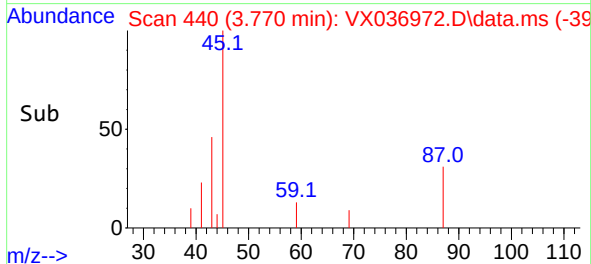
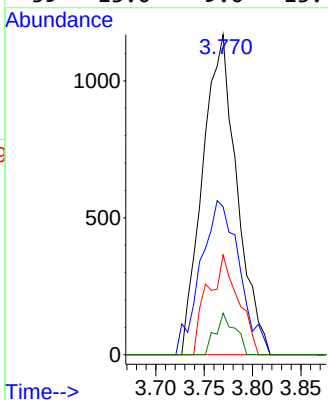
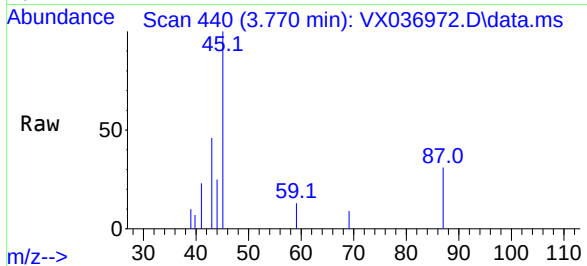


#22
Diisopropyl ether
Concen: 0.608 ug/l
RT: 3.770 min Scan# 441
Delta R.T. 0.006 min
Lab File: VX036972.D
Acq: 14 Aug 2023 18:12

Instrument :
MSVOA_X
ClientSampleId :
1771

Tgt Ion: 45 Resp: 2889

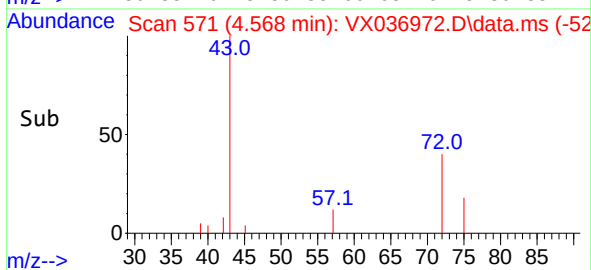
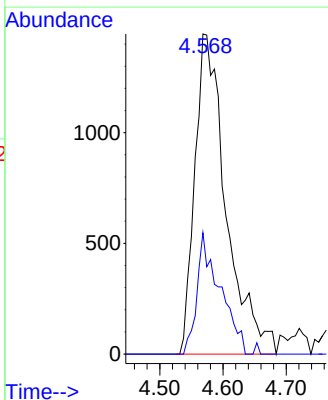
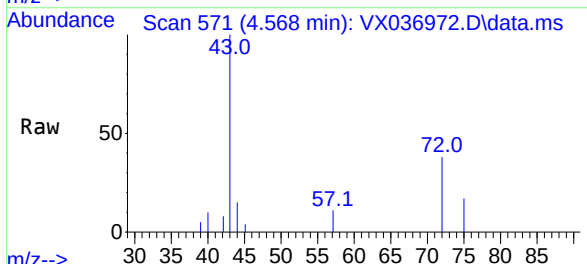
Ion	Ratio	Lower	Upper
45	100		
43	46.3	69.7	104.5#
87	31.2	20.8	31.2#
59	13.0	9.0	13.4

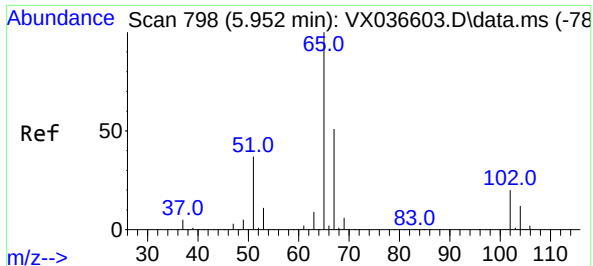


#25
2-Butanone
Concen: 4.395 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.006 min
Lab File: VX036972.D
Acq: 14 Aug 2023 18:12

Tgt Ion: 43 Resp: 4965

Ion	Ratio	Lower	Upper
43	100		
72	37.9	19.4	29.2#





#33

1,2-Dichloroethane-d4

Concen: 48.349 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX036972.D

Acq: 14 Aug 2023 18:12

Instrument :

MSVOA_X

ClientSampleId :

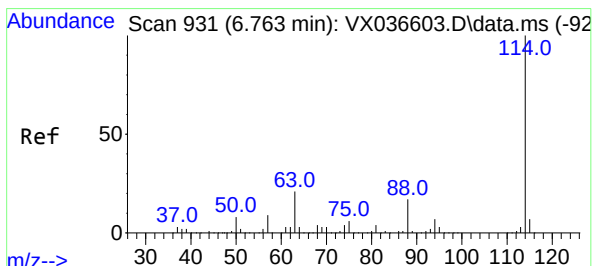
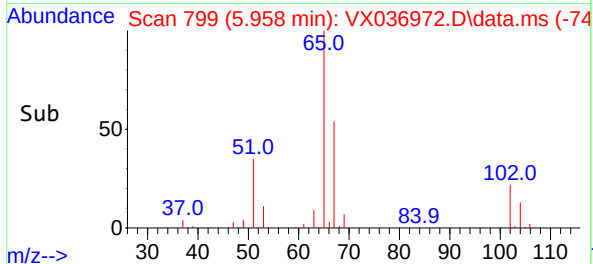
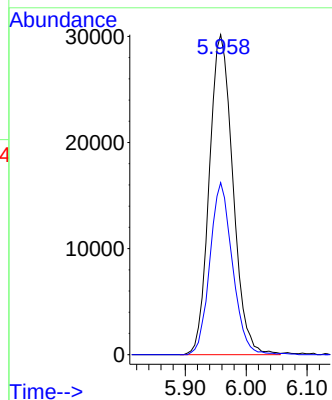
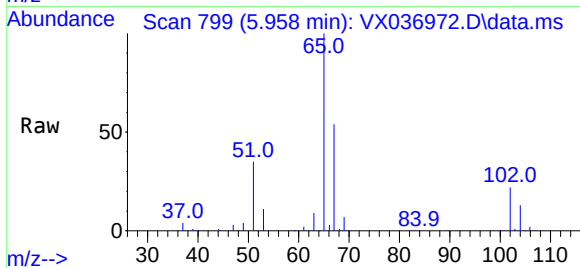
1771

Tgt Ion: 65 Resp: 81136

Ion Ratio Lower Upper

65 100

67 51.4 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: VX036972.D

Acq: 14 Aug 2023 18:12

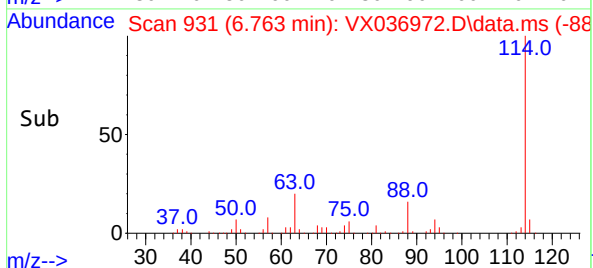
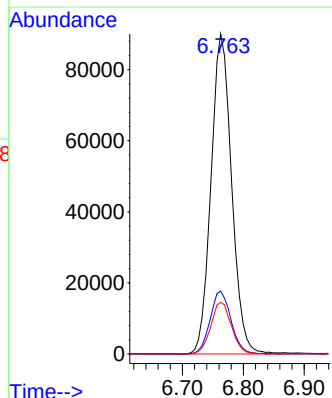
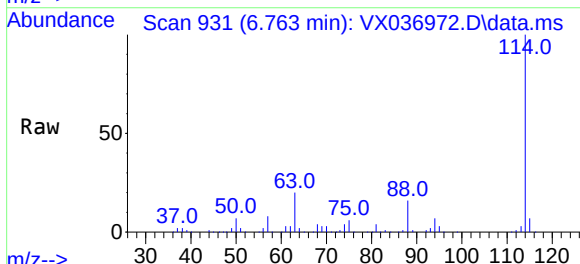
Tgt Ion: 114 Resp: 211437

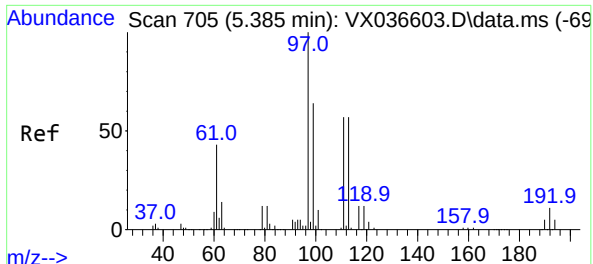
Ion Ratio Lower Upper

114 100

63 19.6 0.0 45.0

88 16.1 0.0 36.6





#35

Dibromofluoromethane

Concen: 46.741 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX036972.D

Acq: 14 Aug 2023 18:12

Instrument :

MSVOA_X

ClientSampleId :

1771

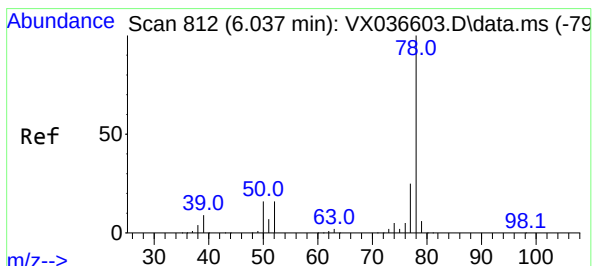
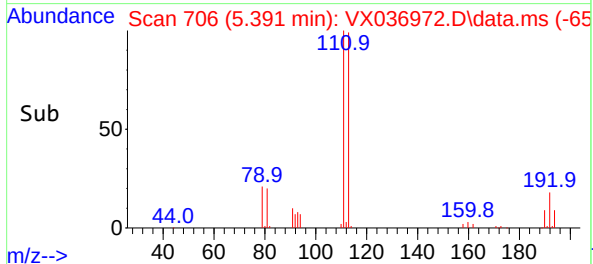
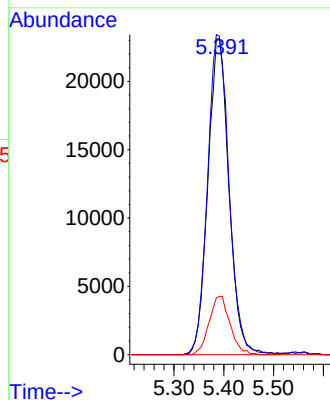
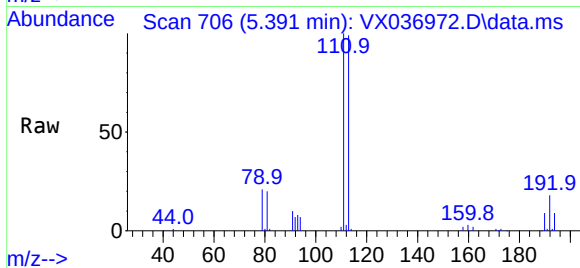
Tgt Ion:113 Resp: 67928

Ion Ratio Lower Upper

113 100

111 102.9 82.9 124.3

192 18.3 13.3 19.9



#40

Benzene

Concen: 31.139 ug/l

RT: 6.043 min Scan# 813

Delta R.T. 0.006 min

Lab File: VX036972.D

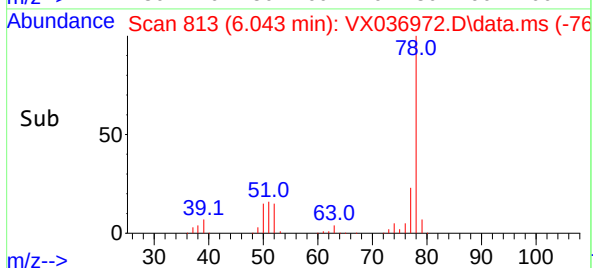
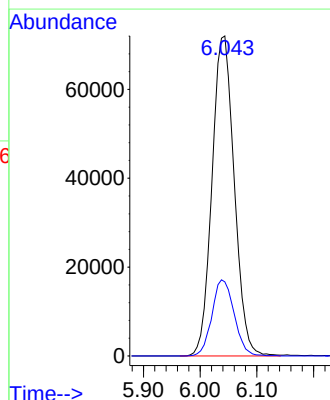
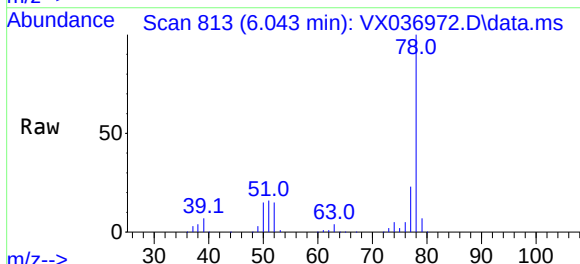
Acq: 14 Aug 2023 18:12

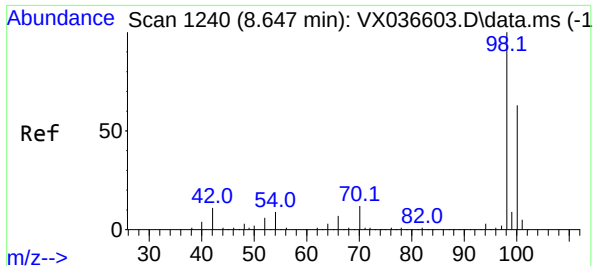
Tgt Ion: 78 Resp: 196247

Ion Ratio Lower Upper

78 100

77 23.2 19.3 28.9

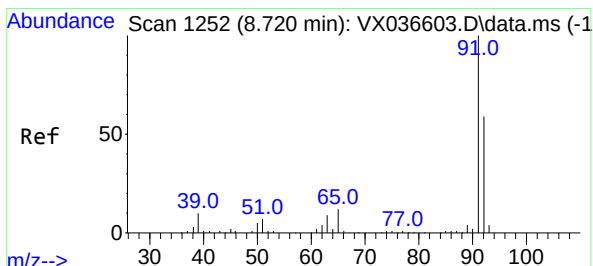
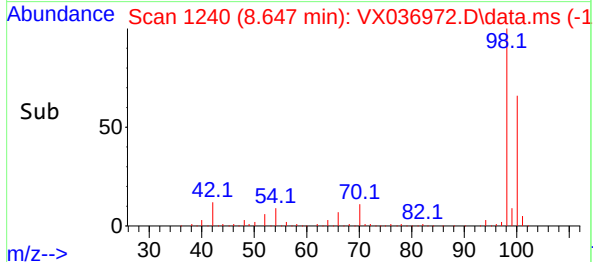
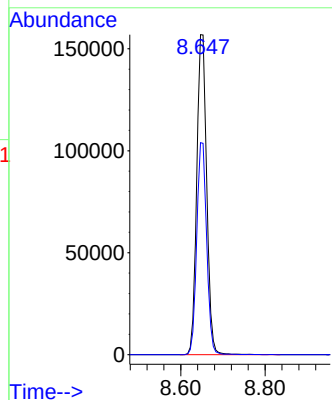
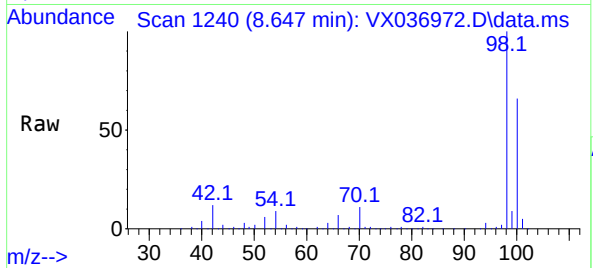




#50
Toluene-d8
Concen: 49.931 ug/l
RT: 8.647 min Scan# 11771
Delta R.T. -0.000 min
Lab File: VX036972.D
Acq: 14 Aug 2023 18:12

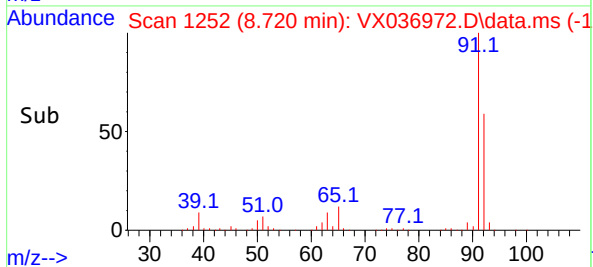
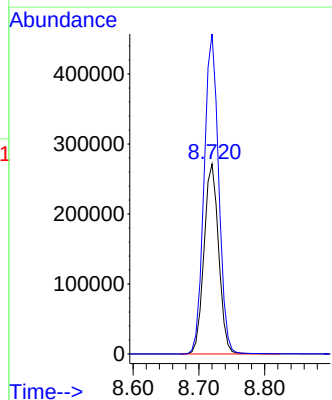
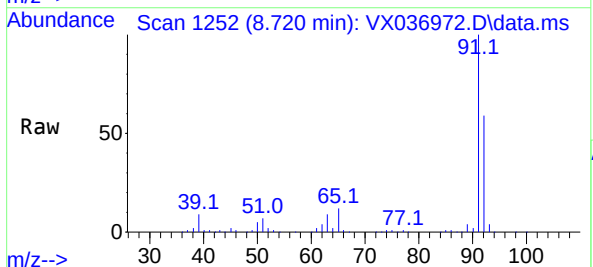
Instrument :
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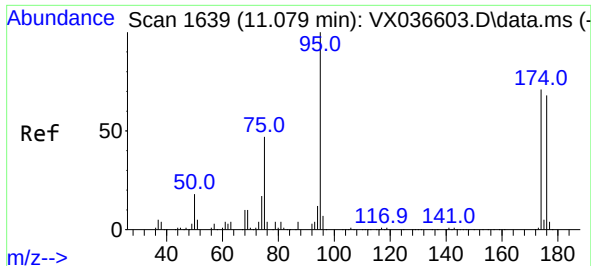
Tgt Ion: 98 Resp: 257330
Ion Ratio Lower Upper
98 100
100 66.0 53.1 79.7



#52
Toluene
Concen: 106.256 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX036972.D
Acq: 14 Aug 2023 18:12

Tgt Ion: 92 Resp: 419598
Ion Ratio Lower Upper
92 100
91 168.2 134.2 201.2

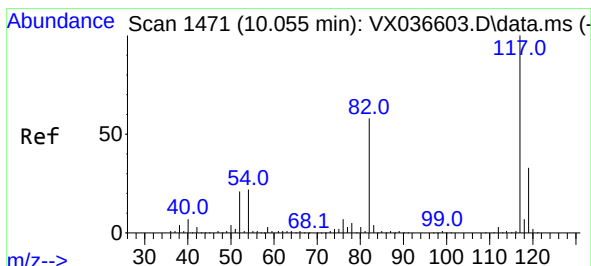
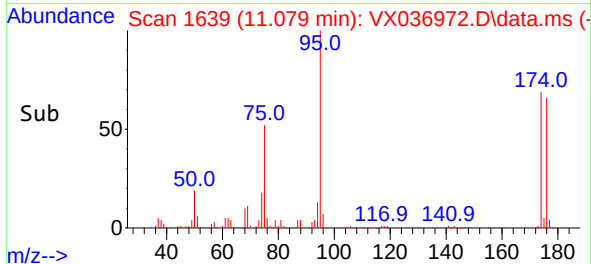
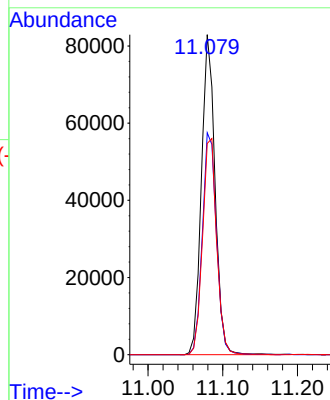
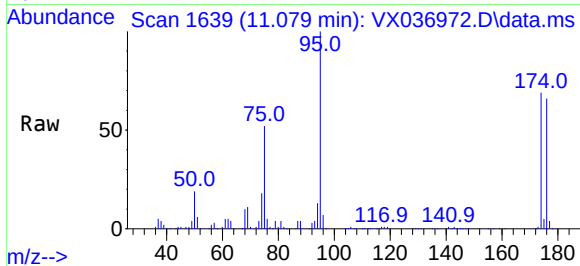




#62
4-Bromofluorobenzene
Concen: 53.863 ug/l
RT: 11.079 min Scan# 11771
Delta R.T. -0.000 min
Lab File: VX036972.D
Acq: 14 Aug 2023 18:12

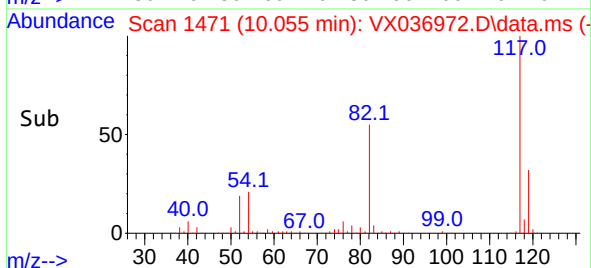
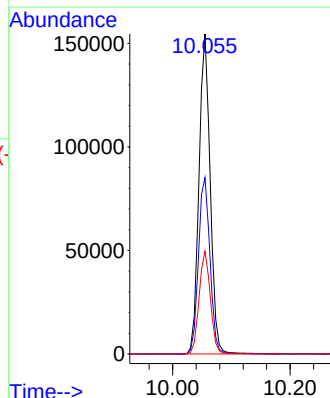
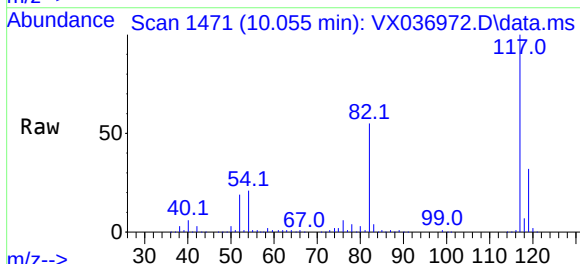
Instrument :
MSVOA_X
ClientSampleId :
1771

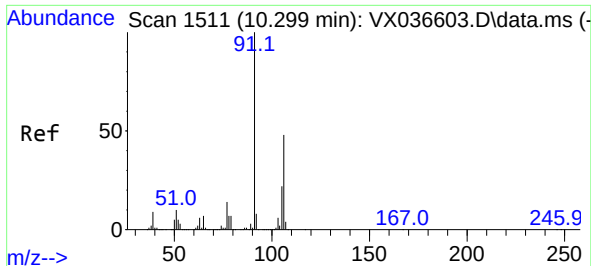
Tgt Ion: 95 Resp: 104732
Ion Ratio Lower Upper
95 100
174 72.0 0.0 135.6
176 70.3 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036972.D
Acq: 14 Aug 2023 18:12

Tgt Ion: 117 Resp: 205084
Ion Ratio Lower Upper
117 100
82 55.1 46.2 69.4
119 32.1 25.5 38.3

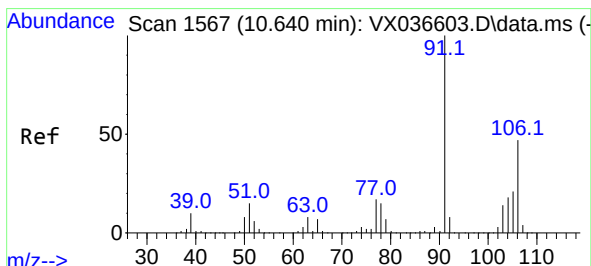
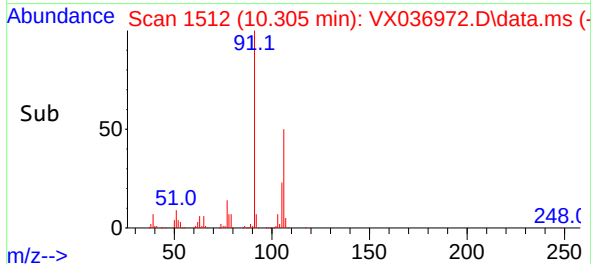
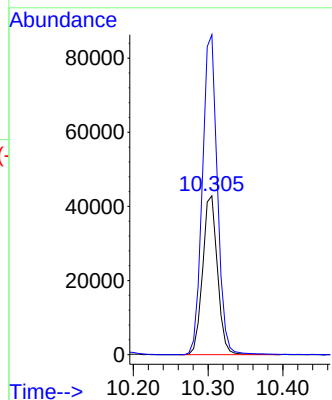
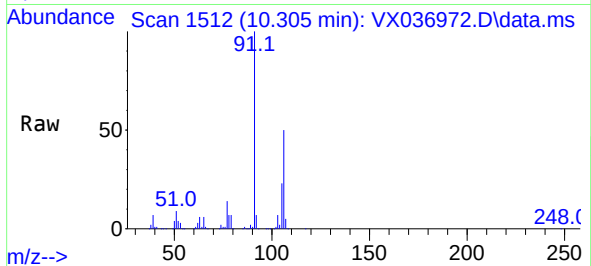




#68
m/p-Xylenes
Concen: 19.128 ug/l
RT: 10.305 min Scan# 11771
Delta R.T. 0.006 min
Lab File: VX036972.D
Acq: 14 Aug 2023 18:12

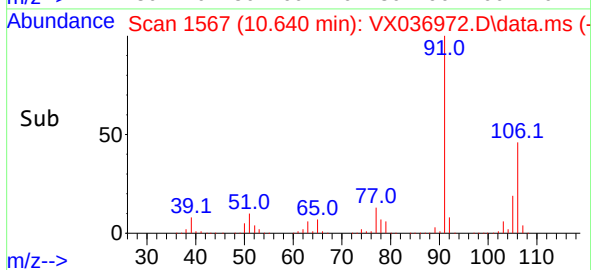
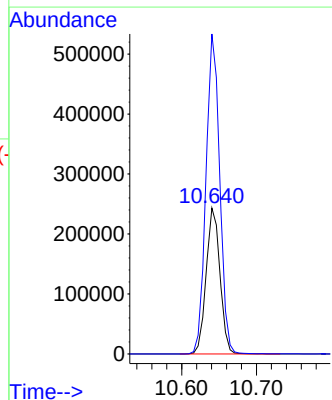
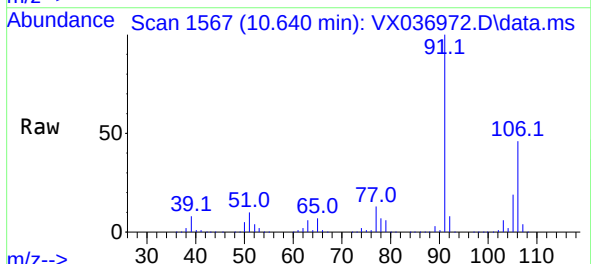
Instrument :
MSVOA_X
ClientSampleId :
1771

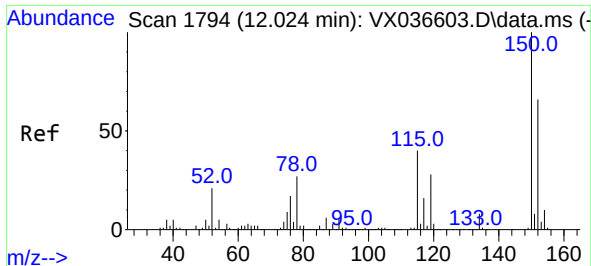
Tgt Ion:106 Resp: 58939
Ion Ratio Lower Upper
106 100
91 204.4 165.5 248.3



#69
o-Xylene
Concen: 101.298 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX036972.D
Acq: 14 Aug 2023 18:12

Tgt Ion:106 Resp: 311558
Ion Ratio Lower Upper
106 100
91 218.8 108.9 326.8

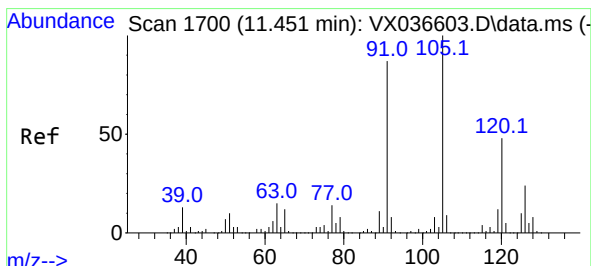
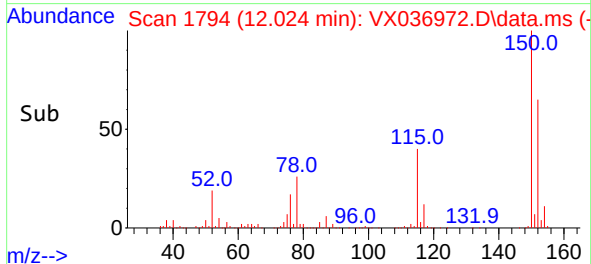
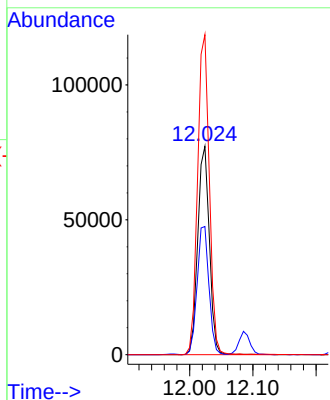
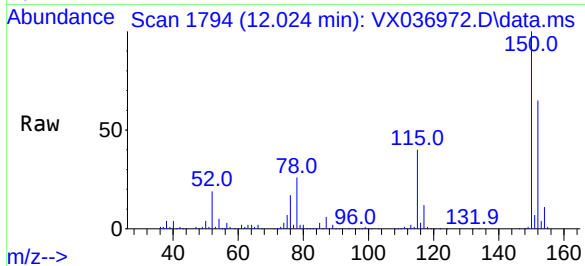




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX036972.D
 Acq: 14 Aug 2023 18:12

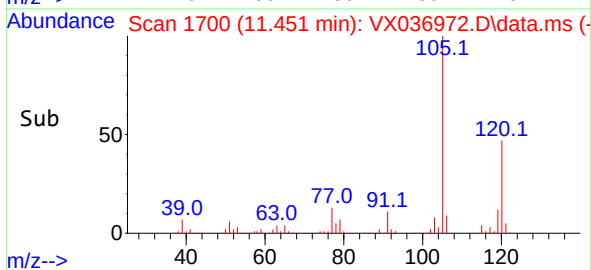
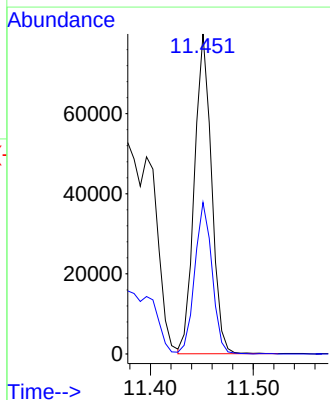
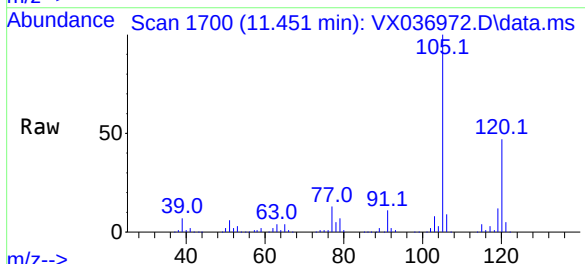
Instrument :
 MSVOA_X
 ClientSampleId :
 1771

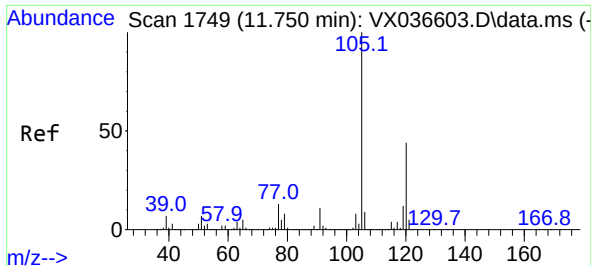
Tgt Ion:152 Resp: 98875
 Ion Ratio Lower Upper
 152 100
 115 62.7 43.3 129.9
 150 154.7 0.0 345.0



#80
 1,3,5-Trimethylbenzene
 Concen: 13.534 ug/l
 RT: 11.451 min Scan# 1700
 Delta R.T. -0.000 min
 Lab File: VX036972.D
 Acq: 14 Aug 2023 18:12

Tgt Ion:105 Resp: 92644
 Ion Ratio Lower Upper
 105 100
 120 47.7 24.1 72.3

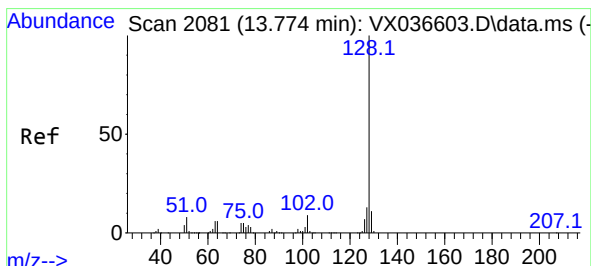
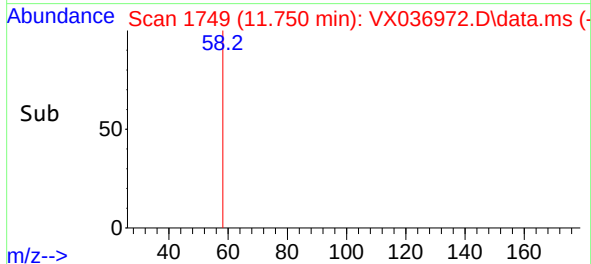
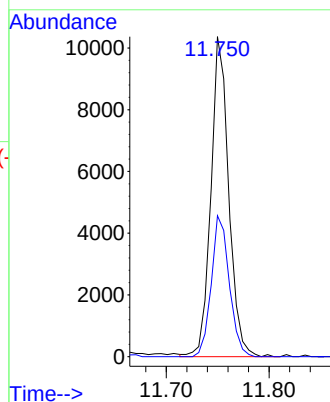
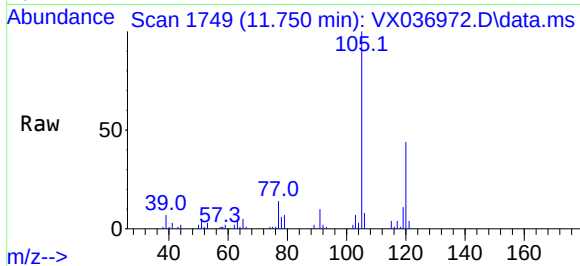




#84
1,2,4-Trimethylbenzene
Concen: 1.825 ug/l
RT: 11.750 min Scan# 11771
Delta R.T. -0.000 min
Lab File: VX036972.D
Acq: 14 Aug 2023 18:12

Instrument :
MSVOA_X
ClientSampleId :
1771

Tgt Ion:105 Resp: 12496
Ion Ratio Lower Upper
105 100
120 44.5 21.2 63.6



#95
Naphthalene
Concen: 72.237 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX036972.D
Acq: 14 Aug 2023 18:12

Tgt Ion:128 Resp: 516542
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 11.0 8.8 13.2

