

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111423\
 Data File : VX038816.D
 Acq On : 14 Nov 2023 19:03
 Operator : JC/MD
 Sample : 05382-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S-14

Quant Time: Nov 15 14:47:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111423W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 14 09:15:55 2023
 Response via : Initial Calibration

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

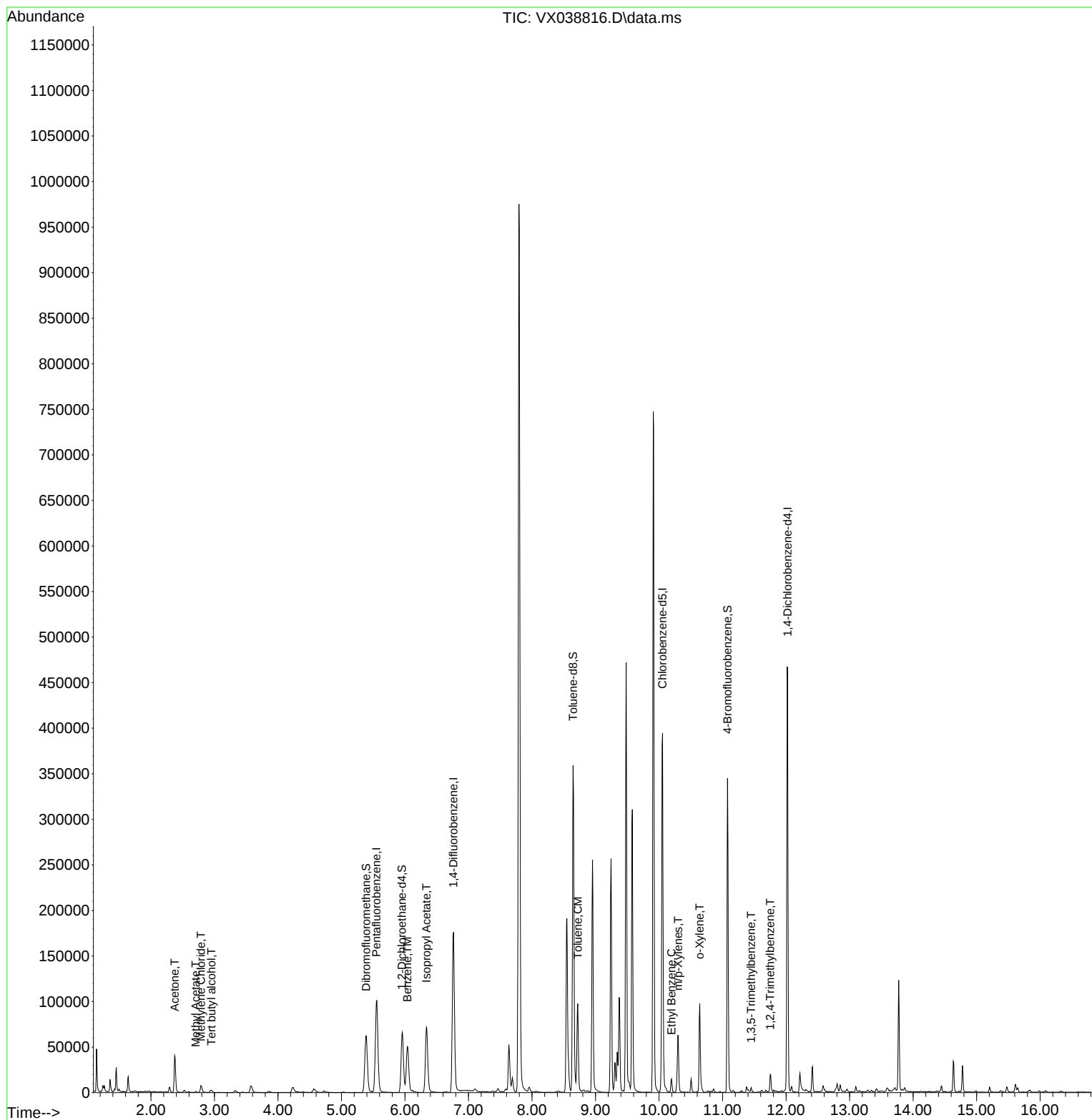
Internal Standards						
1) Pentafluorobenzene	5.550	168	97253	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	187613	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	191218	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	101855	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63291	45.744	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.480%
35) Dibromofluoromethane	5.385	113	57384	44.522	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.040%
50) Toluene-d8	8.647	98	225837	47.304	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.600%
62) 4-Bromofluorobenzene	11.079	95	104137	52.170	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	104.340%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	2862	8.095	ug/l	99
16) Acetone	2.374	43	41473	55.939	ug/l	91
18) Methyl Acetate	2.703	43	1376	0.400	ug/l	99
20) Methylene Chloride	2.788	84	4033	2.908	ug/l	89
40) Benzene	6.037	78	66419	12.622	ug/l	93
43) Isopropyl Acetate	6.336	43	100008	31.951	ug/l	94
52) Toluene	8.720	92	38564	11.863	ug/l	99
67) Ethyl Benzene	10.195	91	9185	1.321	ug/l	100
68) m/p-Xylenes	10.299	106	14760	5.569	ug/l	98
69) o-Xylene	10.640	106	7739	3.009	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	2396	0.394	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	8762	1.433	ug/l	79

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

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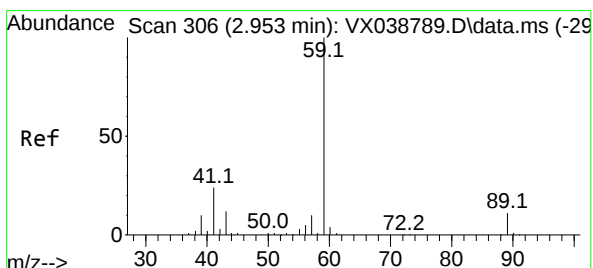
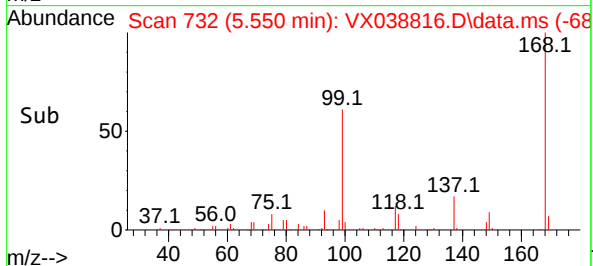
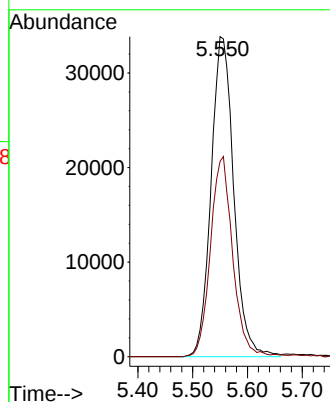
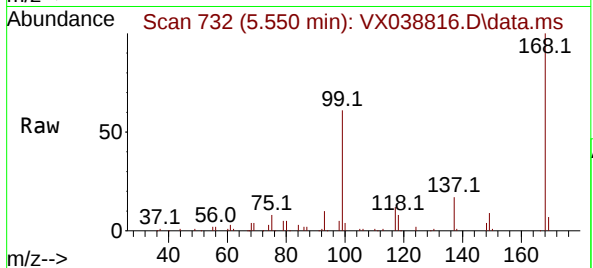




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038816.D
Acq: 14 Nov 2023 19:03

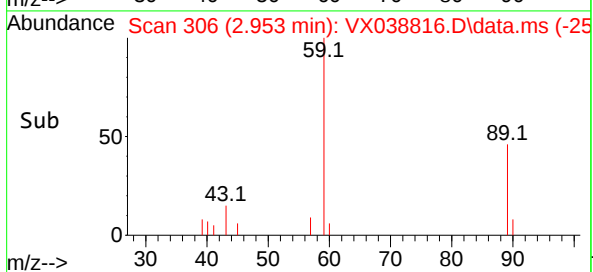
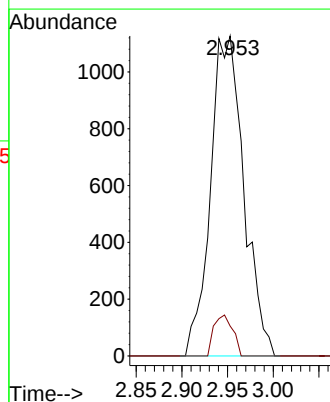
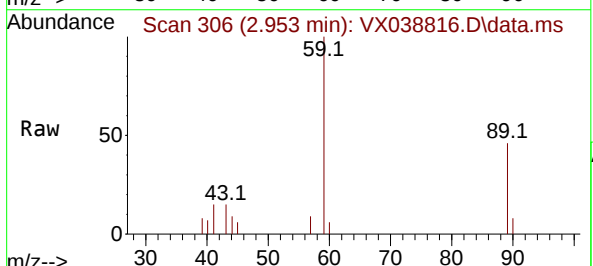
Instrument :
MSVOA_X
ClientSampleId :
S-14

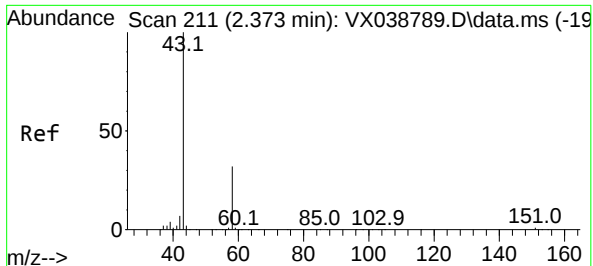
Tgt Ion:168 Resp: 97253
Ion Ratio Lower Upper
168 100
99 61.0 56.6 85.0



#11
Tert butyl alcohol
Concen: 8.095 ug/l
RT: 2.953 min Scan# 306
Delta R.T. 0.000 min
Lab File: VX038816.D
Acq: 14 Nov 2023 19:03

Tgt Ion: 59 Resp: 2862
Ion Ratio Lower Upper
59 100
57 7.2 6.0 9.0

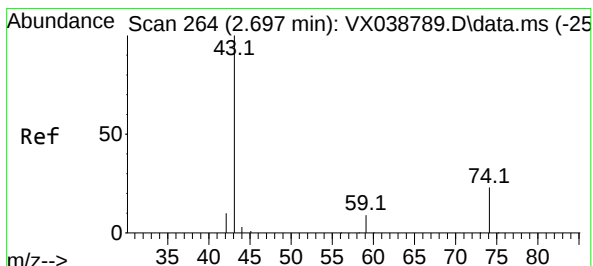
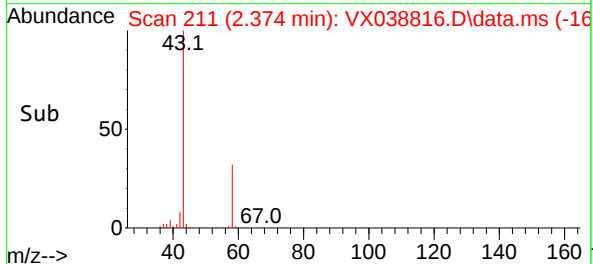
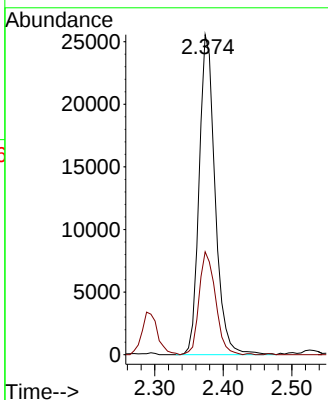
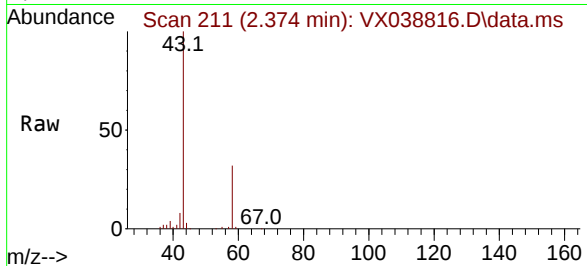




#16
Acetone
Concen: 55.939 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX038816.D
Acq: 14 Nov 2023 19:03

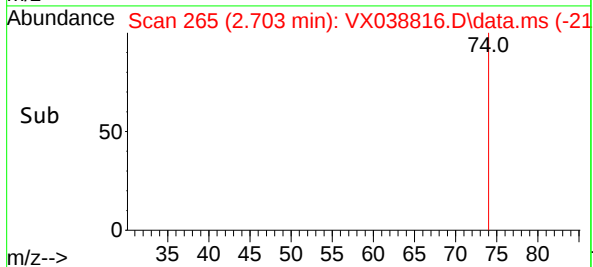
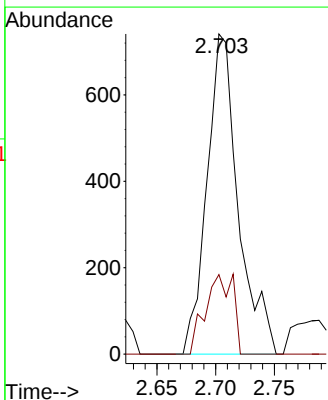
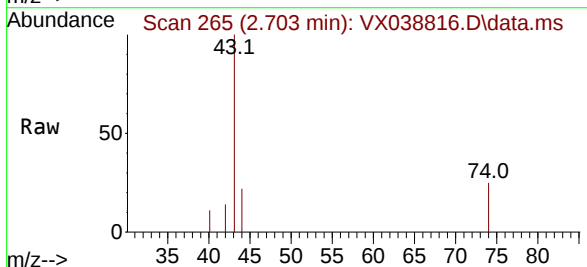
Instrument :
MSVOA_X
ClientSampleId :
S-14

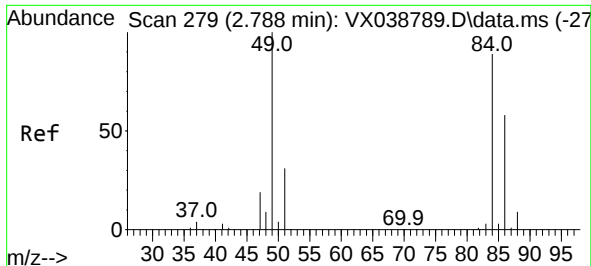
Tgt Ion: 43 Resp: 41473
Ion Ratio Lower Upper
43 100
58 32.2 21.9 32.9



#18
Methyl Acetate
Concen: 0.400 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX038816.D
Acq: 14 Nov 2023 19:03

Tgt Ion: 43 Resp: 1376
Ion Ratio Lower Upper
43 100
74 21.9 17.8 26.8





#20

Methylene Chloride

Concen: 2.908 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX038816.D

Acq: 14 Nov 2023 19:03

Instrument :

MSVOA_X

ClientSampleId :

S-14

Tgt Ion: 84 Resp: 4033

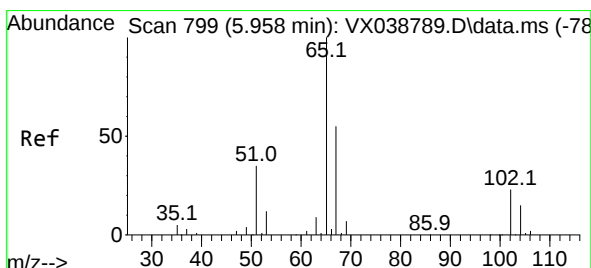
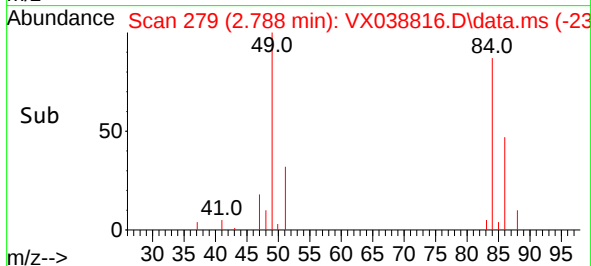
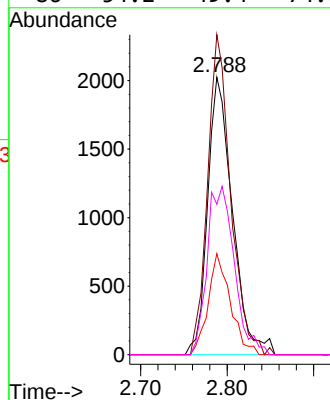
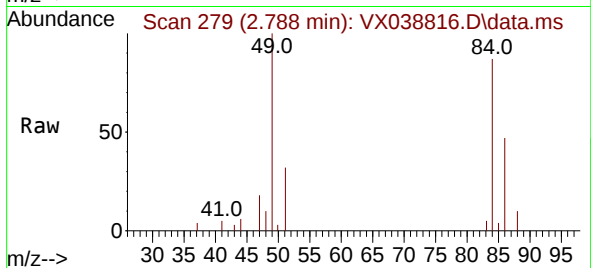
Ion Ratio Lower Upper

84 100

49 115.3 103.6 155.4

51 36.4 33.8 50.6

86 54.2 49.4 74.0



#33

1,2-Dichloroethane-d4

Concen: 45.744 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX038816.D

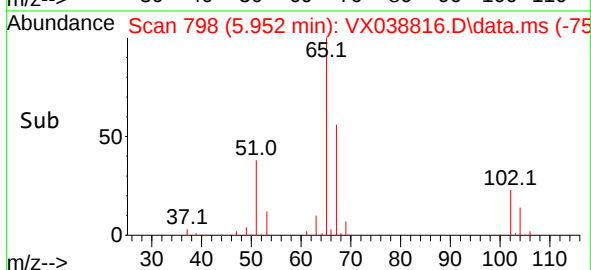
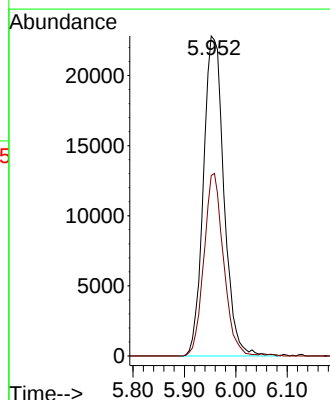
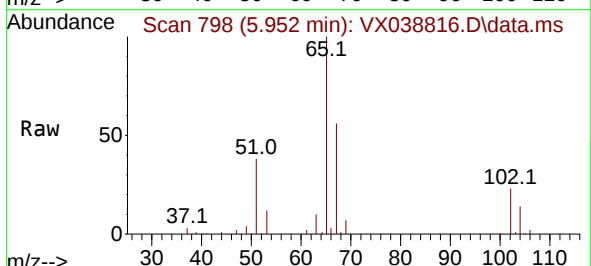
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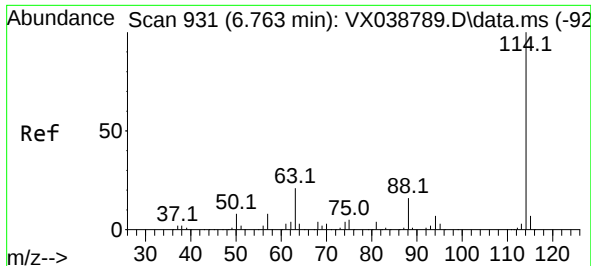
Tgt Ion: 65 Resp: 63291

Ion Ratio Lower Upper

65 100

67 54.5 0.0 100.2

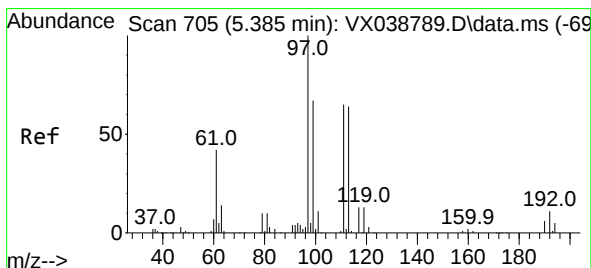
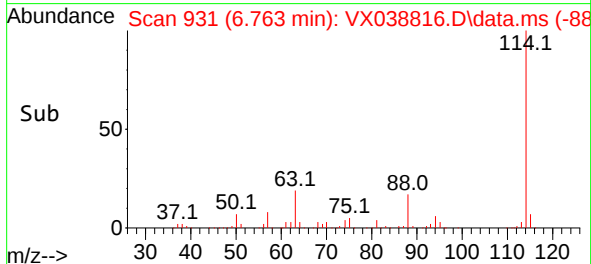
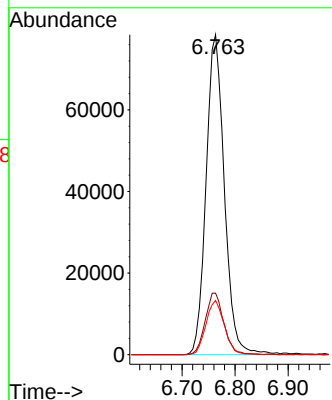
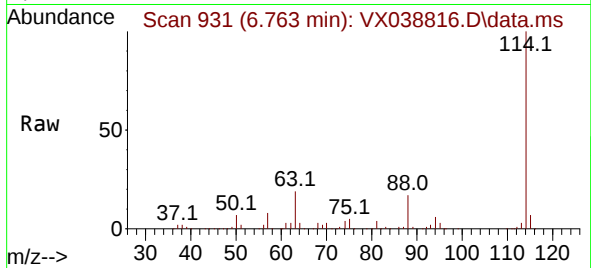




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX038816.D
Acq: 14 Nov 2023 19:03

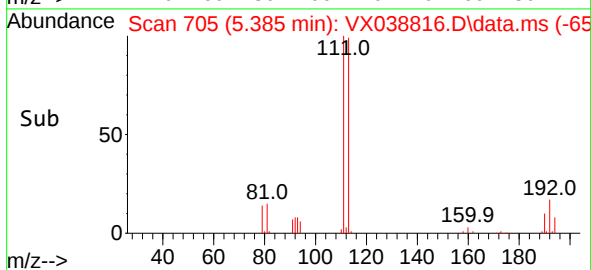
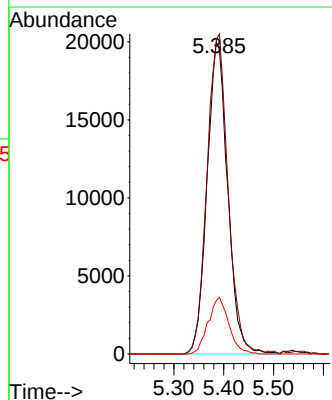
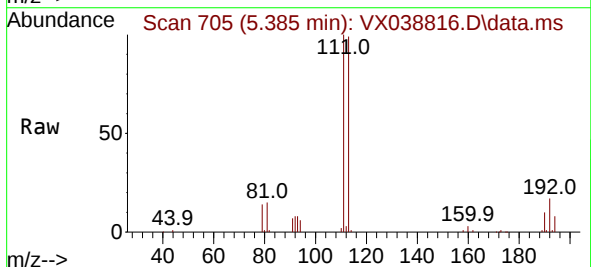
Instrument :
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ClientSampleId :
S-14

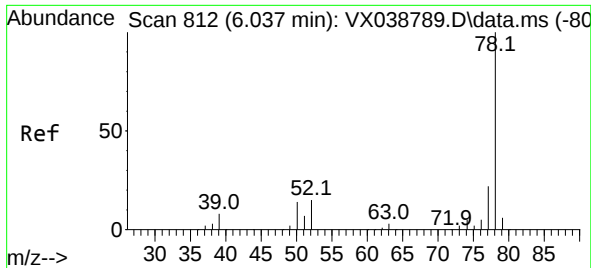
Tgt Ion:114 Resp: 187613
Ion Ratio Lower Upper
114 100
63 19.3 0.0 45.0
88 16.9 0.0 36.6



#35
Dibromofluoromethane
Concen: 44.522 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038816.D
Acq: 14 Nov 2023 19:03

Tgt Ion:113 Resp: 57384
Ion Ratio Lower Upper
113 100
111 104.3 82.9 124.3
192 18.2 13.3 19.9

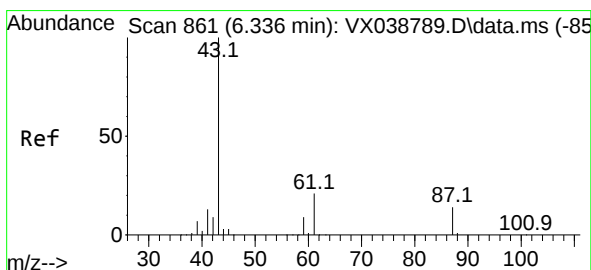
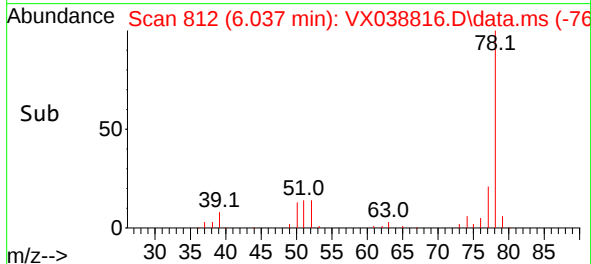
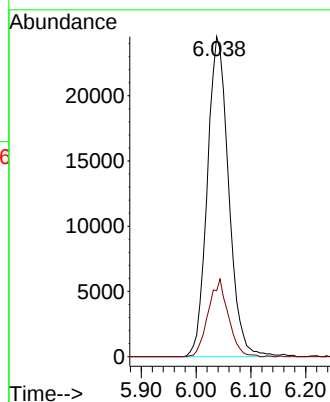
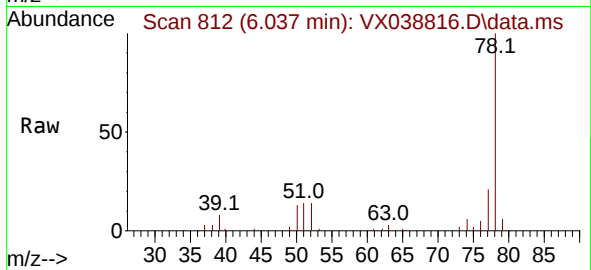




#40
Benzene
Concen: 12.622 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX038816.D
Acq: 14 Nov 2023 19:03

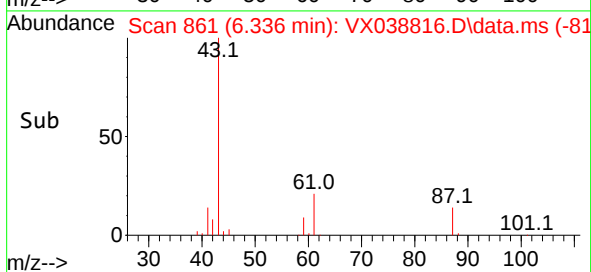
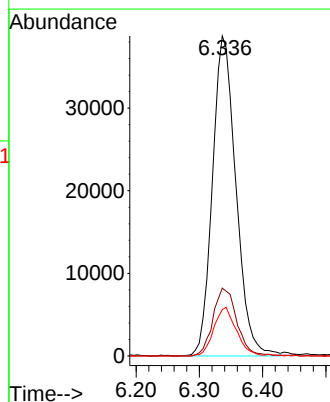
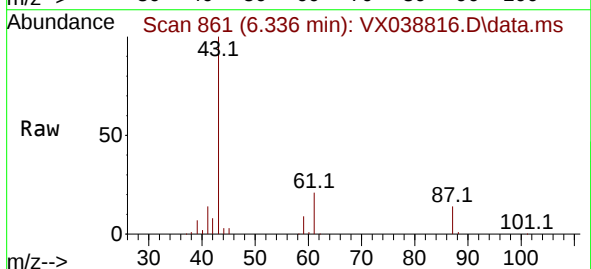
Instrument :
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ClientSampleId :
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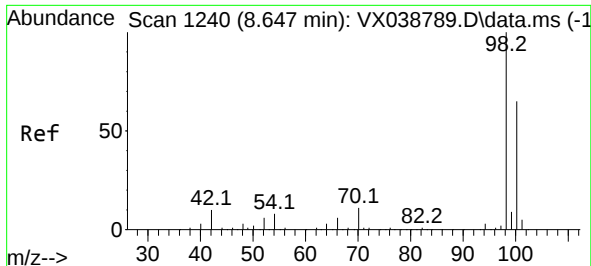
Tgt Ion: 78 Resp: 66419
Ion Ratio Lower Upper
78 100
77 20.6 19.3 28.9



#43
Isopropyl Acetate
Concen: 31.951 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX038816.D
Acq: 14 Nov 2023 19:03

Tgt Ion: 43 Resp: 100008
Ion Ratio Lower Upper
43 100
61 21.5 15.2 22.8
87 14.5 9.8 14.6

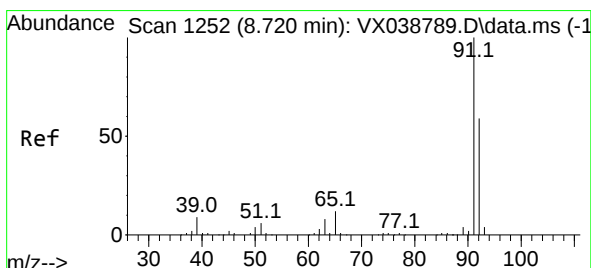
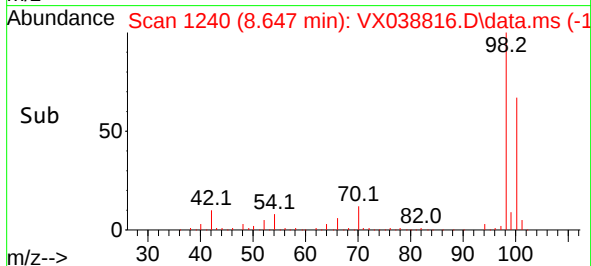
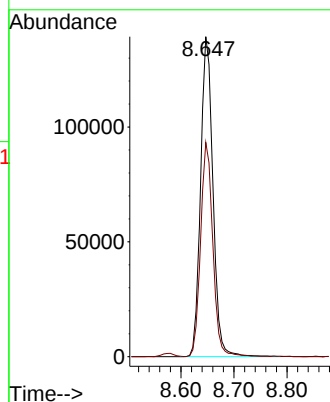
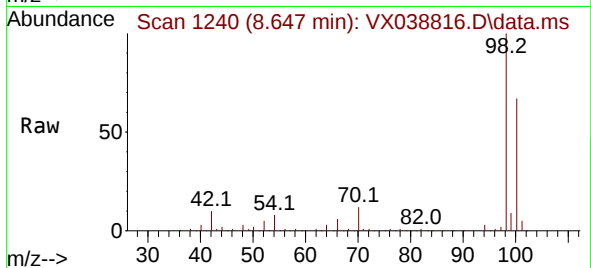




#50
Toluene-d8
Concen: 47.304 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038816.D
Acq: 14 Nov 2023 19:03

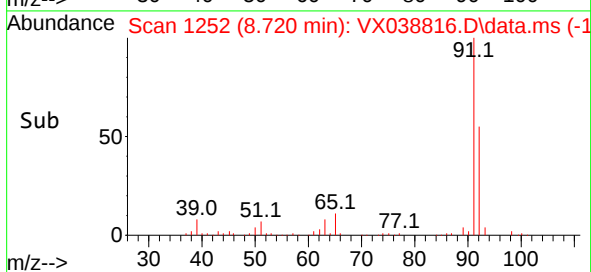
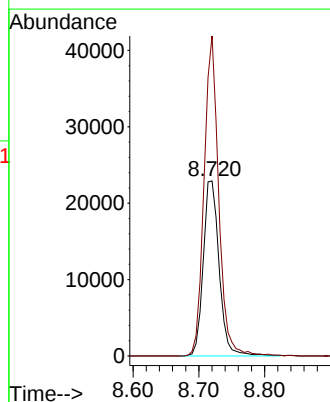
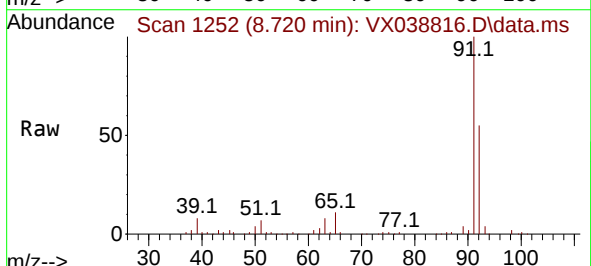
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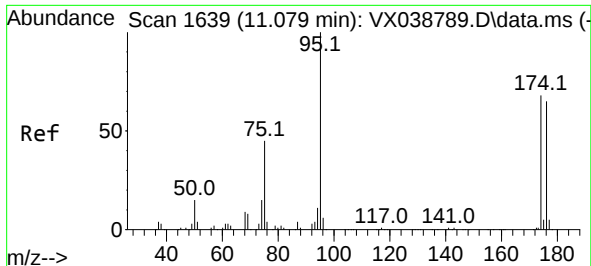
Tgt Ion: 98 Resp: 225837
Ion Ratio Lower Upper
98 100
100 66.1 53.1 79.7



#52
Toluene
Concen: 11.863 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX038816.D
Acq: 14 Nov 2023 19:03

Tgt Ion: 92 Resp: 38564
Ion Ratio Lower Upper
92 100
91 168.9 134.2 201.2





#62

4-Bromofluorobenzene

Concen: 52.170 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX038816.D

Acq: 14 Nov 2023 19:03

Instrument :

MSVOA_X

ClientSampleId :

S-14

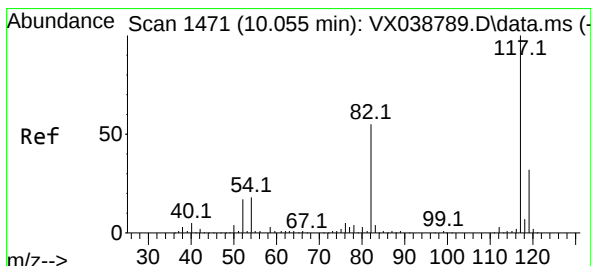
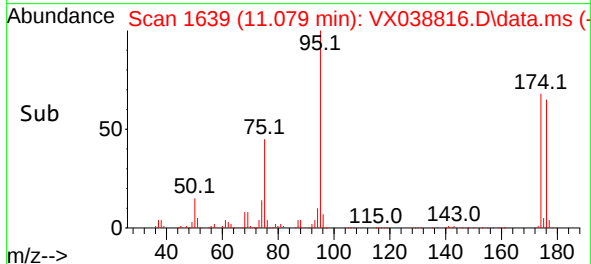
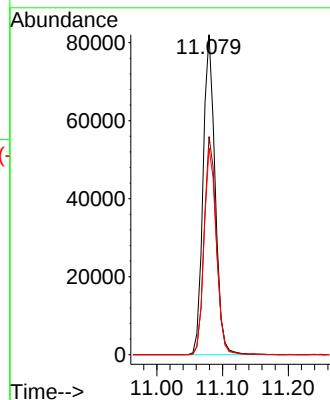
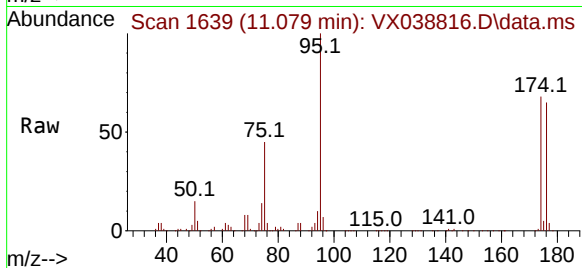
Tgt Ion: 95 Resp: 104137

Ion Ratio Lower Upper

95 100

174 69.0 0.0 135.6

176 66.1 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: VX038816.D

Acq: 14 Nov 2023 19:03

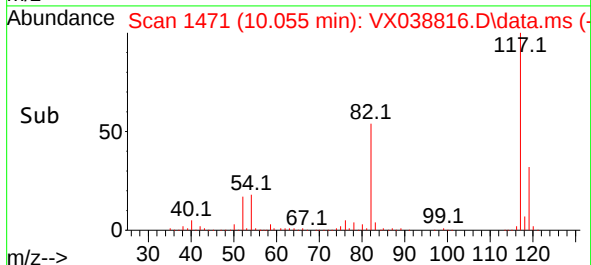
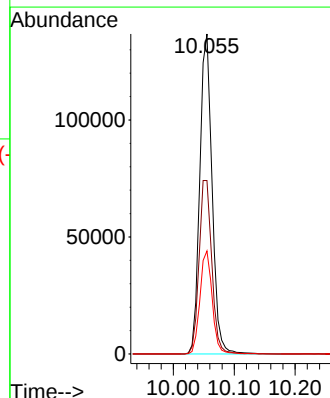
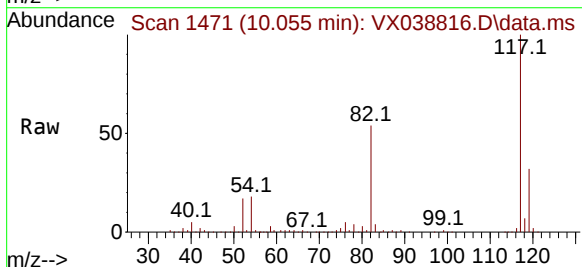
Tgt Ion: 117 Resp: 191218

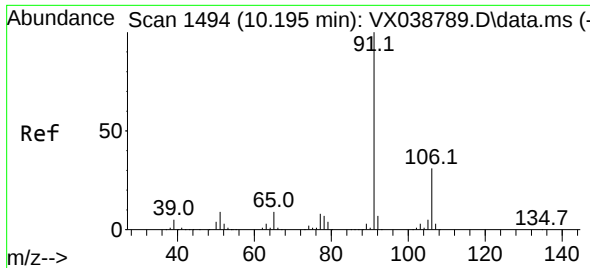
Ion Ratio Lower Upper

117 100

82 54.2 46.2 69.4

119 32.2 25.5 38.3

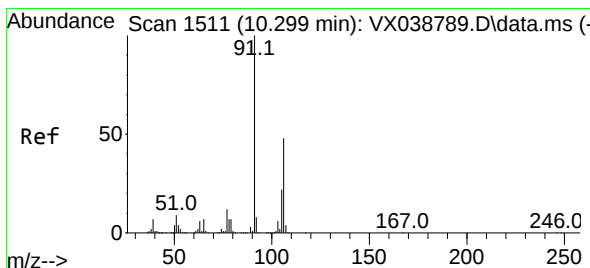
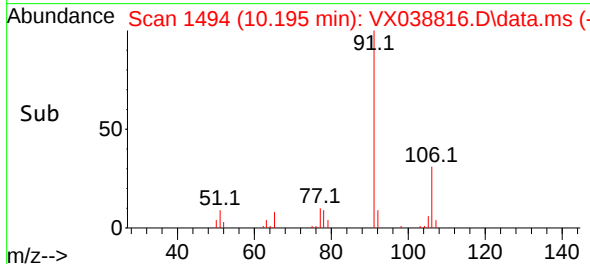
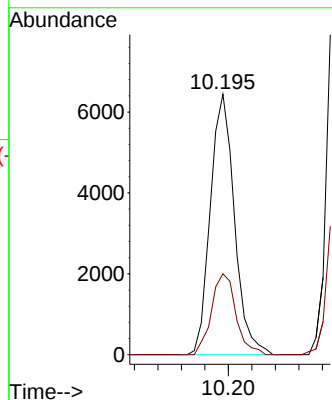
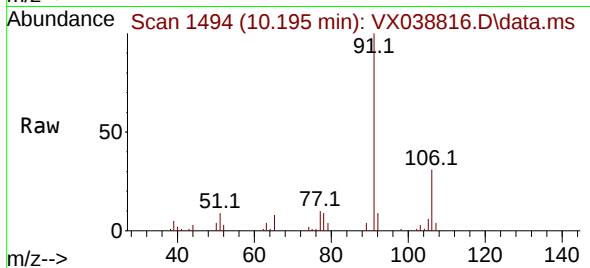




#67
Ethyl Benzene
Concen: 1.321 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX038816.D
Acq: 14 Nov 2023 19:03

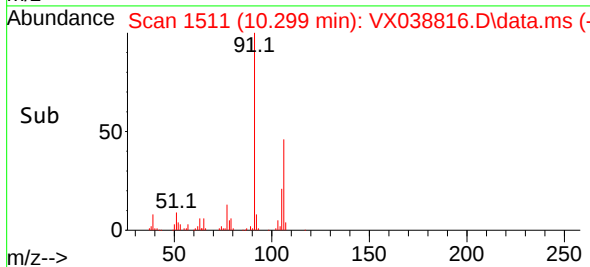
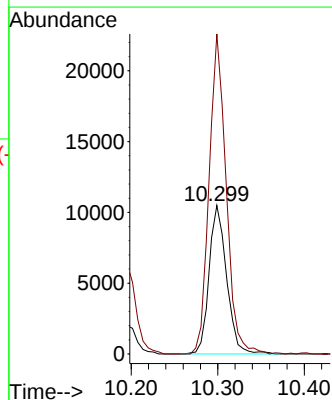
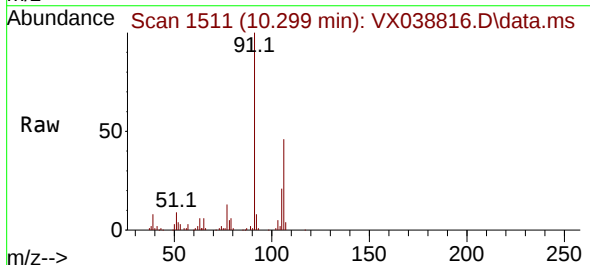
Instrument :
MSVOA_X
ClientSampleId :
S-14

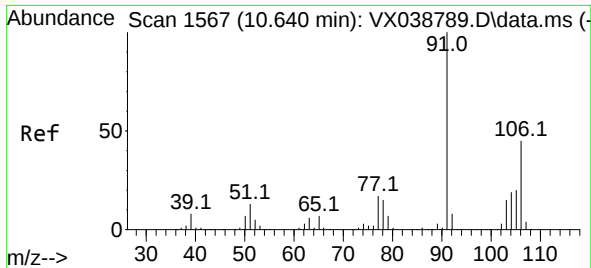
Tgt Ion: 91 Resp: 9185
Ion Ratio Lower Upper
91 100
106 31.1 24.9 37.3



#68
m/p-Xylenes
Concen: 5.569 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX038816.D
Acq: 14 Nov 2023 19:03

Tgt Ion: 106 Resp: 14760
Ion Ratio Lower Upper
106 100
91 209.4 165.5 248.3

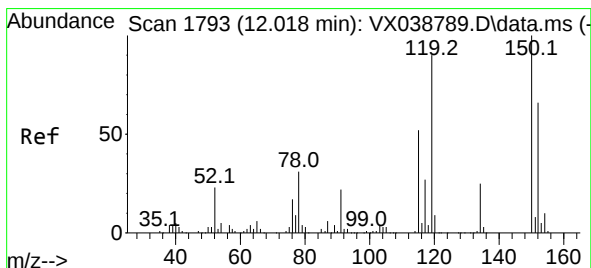
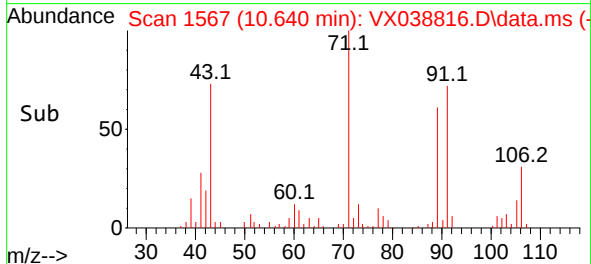
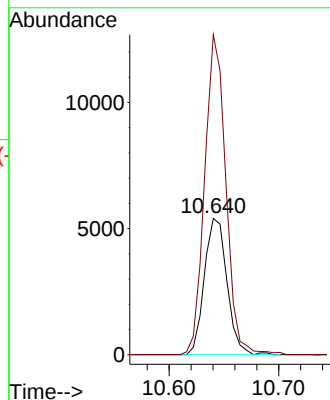
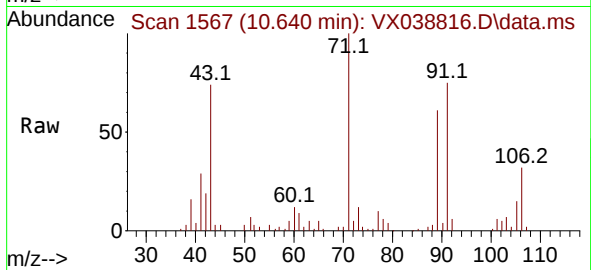




#69
o-Xylene
Concen: 3.009 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038816.D
Acq: 14 Nov 2023 19:03

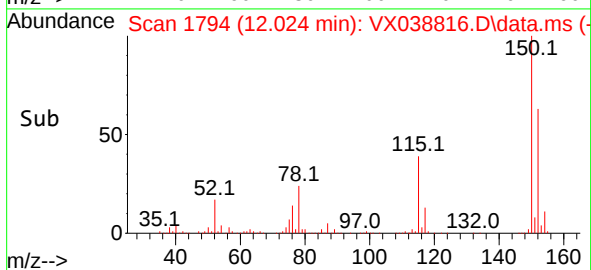
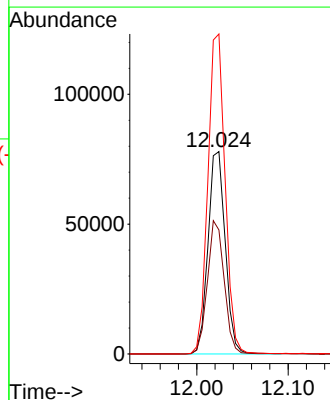
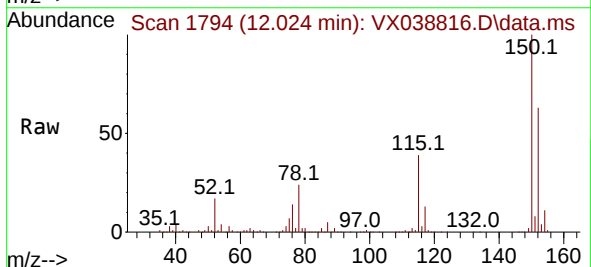
Instrument :
MSVOA_X
ClientSampleId :
S-14

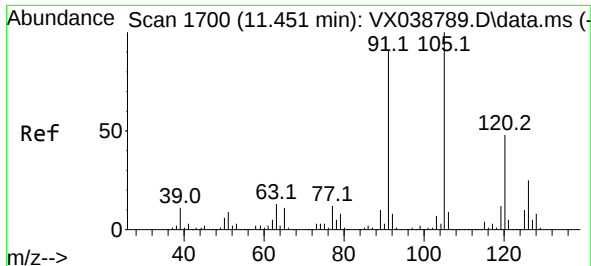
Tgt Ion:106 Resp: 7739
Ion Ratio Lower Upper
106 100
91 220.5 108.9 326.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX038816.D
Acq: 14 Nov 2023 19:03

Tgt Ion:152 Resp: 101855
Ion Ratio Lower Upper
152 100
115 64.0 43.3 129.9
150 157.8 0.0 345.0

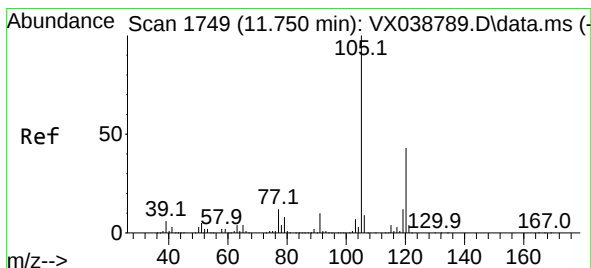
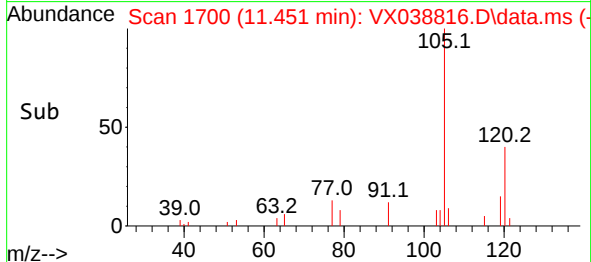
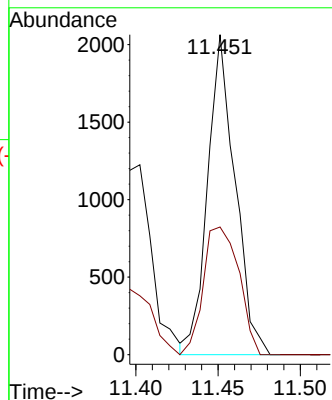
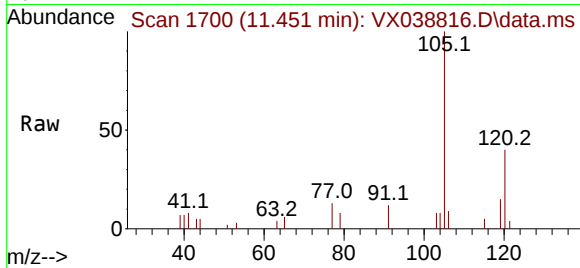




#80
 1,3,5-Trimethylbenzene
 Concen: 0.394 ug/l
 RT: 11.451 min Scan# 1700
 Delta R.T. 0.000 min
 Lab File: VX038816.D
 Acq: 14 Nov 2023 19:03

Instrument :
 MSVOA_X
 ClientSampleId :
 S-14

Tgt Ion:105 Resp: 2396
 Ion Ratio Lower Upper
 105 100
 120 51.7 24.1 72.3



#84
 1,2,4-Trimethylbenzene
 Concen: 1.433 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. 0.000 min
 Lab File: VX038816.D
 Acq: 14 Nov 2023 19:03

Tgt Ion:105 Resp: 8762
 Ion Ratio Lower Upper
 105 100
 120 29.3 21.2 63.6

