

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022824\
 Data File : VX040513.D
 Acq On : 28 Feb 2024 16:03
 Operator : JC/MD
 Sample : P1613-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1851

Quant Time: Feb 29 03:51:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022624W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 27 05:01:33 2024
 Response via : Initial Calibration

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

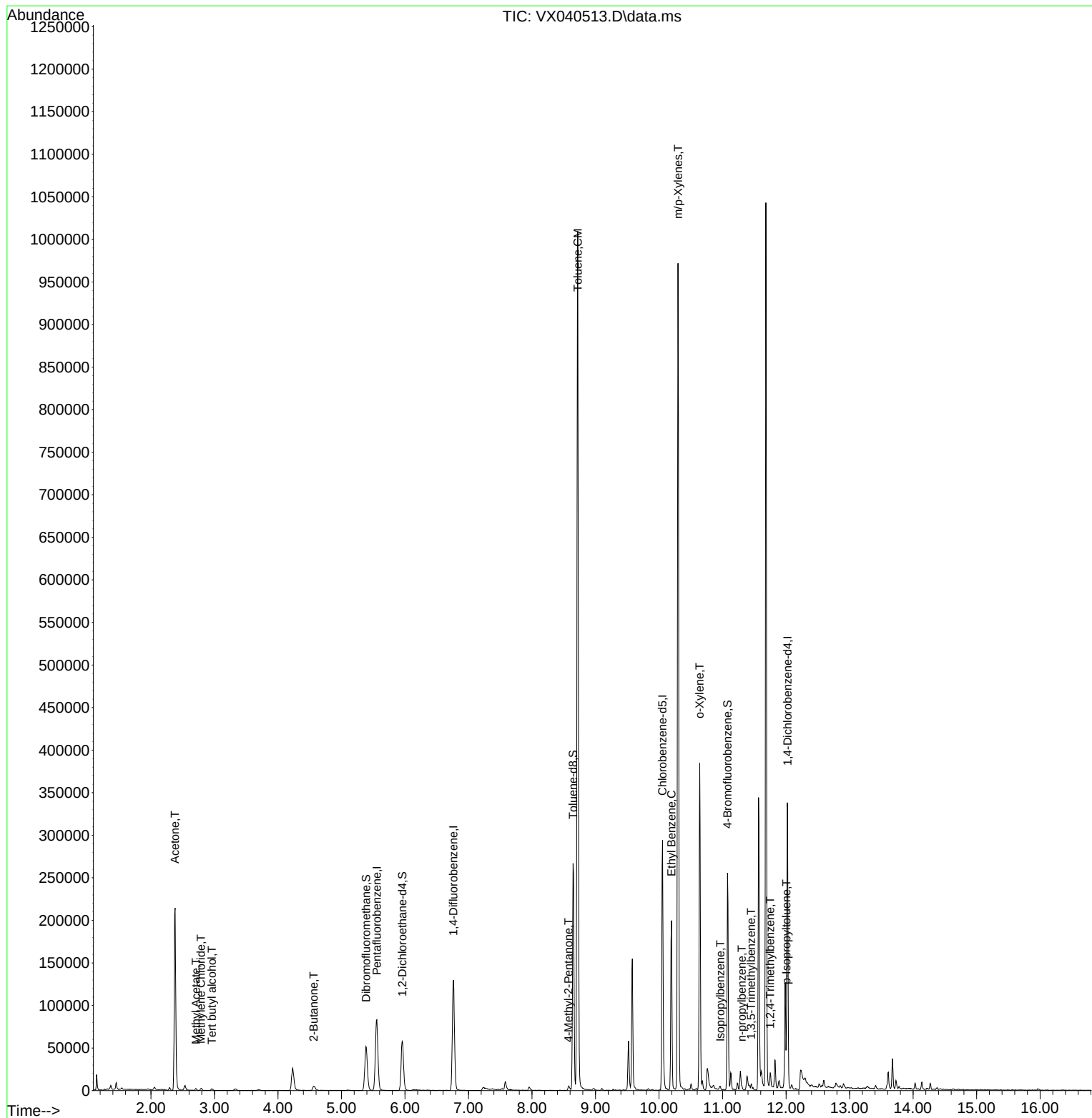
Internal Standards						
1) Pentafluorobenzene	5.556	168	73289	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	126072	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	123603	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	64590	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	59110	48.221	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.440%		
35) Dibromofluoromethane	5.385	113	42955	48.996	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.000%		
50) Toluene-d8	8.647	98	155683	48.922	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.840%		
62) 4-Bromofluorobenzene	11.079	95	64283	52.992	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	105.980%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.959	59	1935	9.390	ug/l	96
16) Acetone	2.380	43	232799	582.355	ug/l	99
18) Methyl Acetate	2.709	43	2634	2.137	ug/l	93
20) Methylene Chloride	2.788	84	1126	1.177	ug/l #	91
25) 2-Butanone	4.562	43	9789	14.055	ug/l	94
51) 4-Methyl-2-Pentanone	8.574	43	3019	1.969	ug/l	90
52) Toluene	8.720	92	356232	158.725	ug/l	94
67) Ethyl Benzene	10.195	91	112353	23.346	ug/l	97
68) m/p-Xylenes	10.299	106	205099	114.126	ug/l	95
69) o-Xylene	10.640	106	75668	44.024	ug/l	93
73) Isopropylbenzene	10.963	105	1835	0.386	ug/l	94
78) n-propylbenzene	11.305	91	1928	0.327	ug/l	89
80) 1,3,5-Trimethylbenzene	11.451	105	2427	0.600	ug/l	91
84) 1,2,4-Trimethylbenzene	11.750	105	7240	1.804	ug/l	96
86) p-Isopropyltoluene	12.006	119	1526	0.369	ug/l #	66

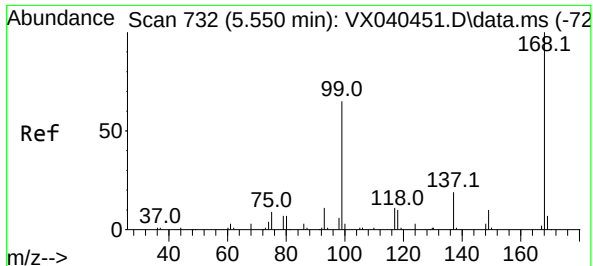
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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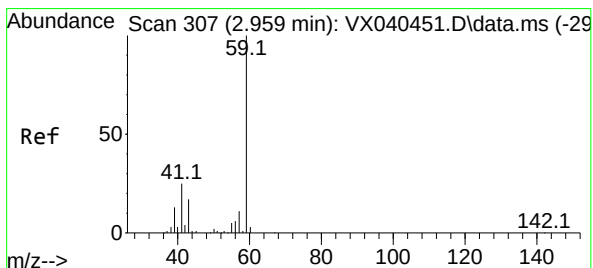
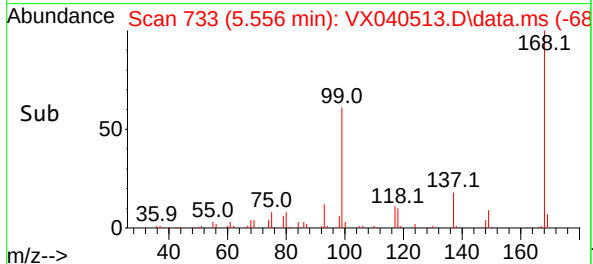
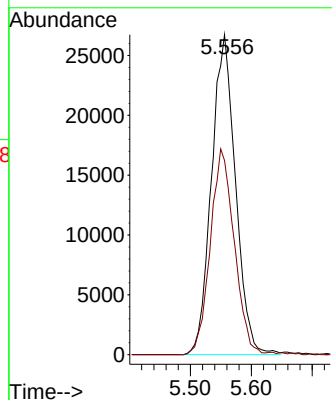
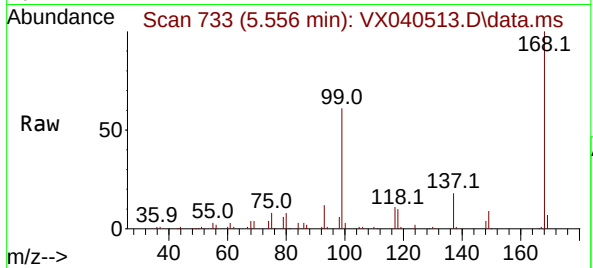




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX040513.D
Acq: 28 Feb 2024 16:03

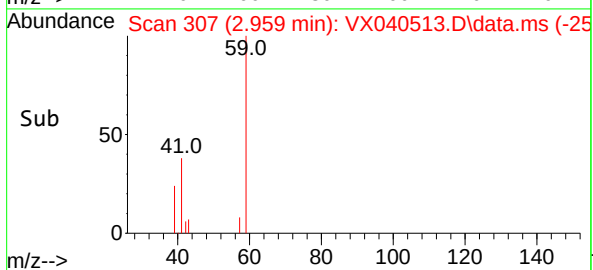
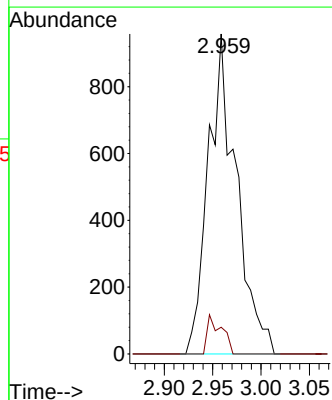
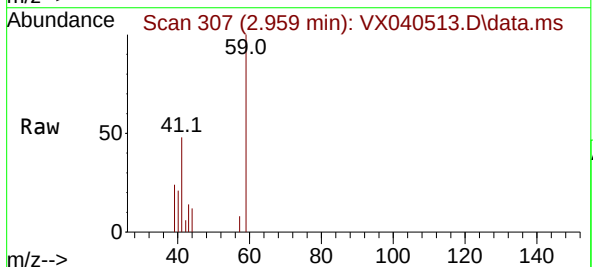
Instrument :
MSVOA_X
ClientSampleId :
1851

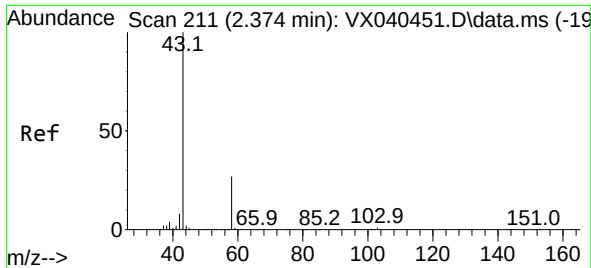
Tgt Ion:168 Resp: 73289
Ion Ratio Lower Upper
168 100
99 60.7 56.6 85.0



#11
Tert butyl alcohol
Concen: 9.390 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.000 min
Lab File: VX040513.D
Acq: 28 Feb 2024 16:03

Tgt Ion: 59 Resp: 1935
Ion Ratio Lower Upper
59 100
57 6.3 6.0 9.0

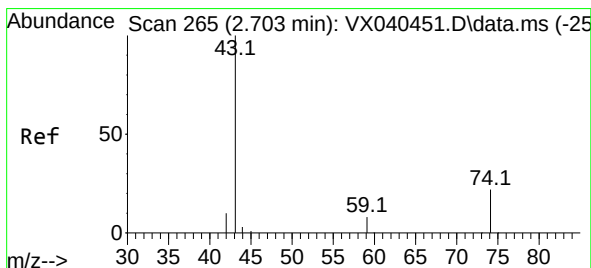
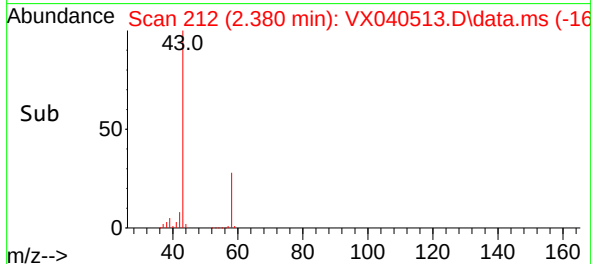
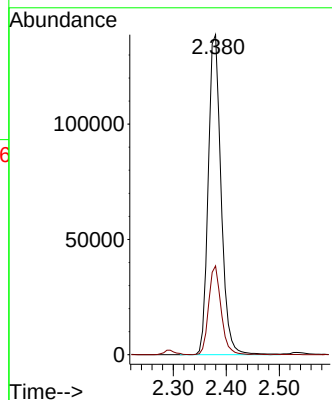
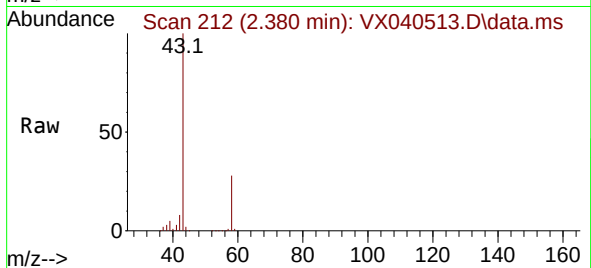




#16
Acetone
Concen: 582.355 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX040513.D
Acq: 28 Feb 2024 16:03

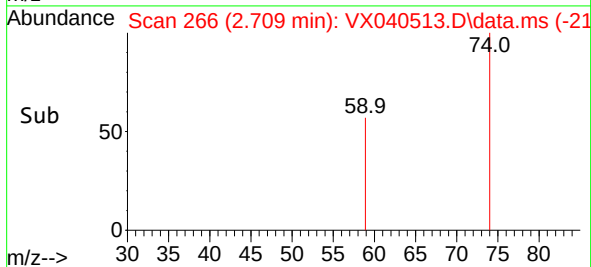
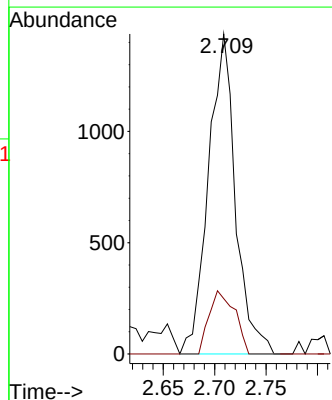
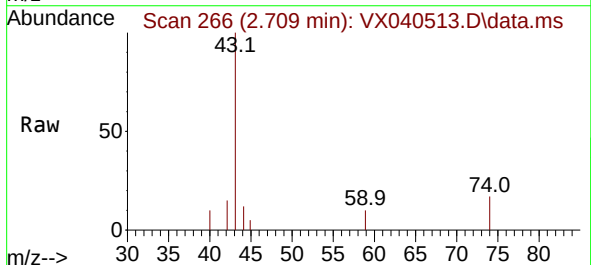
Instrument :
MSVOA_X
ClientSampleId :
1851

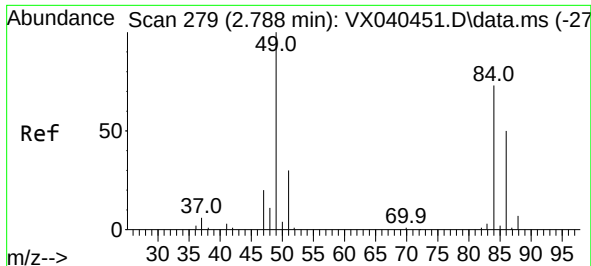
Tgt Ion: 43 Resp: 232799
Ion Ratio Lower Upper
43 100
58 27.7 21.9 32.9



#18
Methyl Acetate
Concen: 2.137 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX040513.D
Acq: 28 Feb 2024 16:03

Tgt Ion: 43 Resp: 2634
Ion Ratio Lower Upper
43 100
74 18.7 17.8 26.8





#20

Methylene Chloride

Concen: 1.177 ug/l

RT: 2.788 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX040513.D

Acq: 28 Feb 2024 16:03

Instrument :

MSVOA_X

ClientSampleId :

1851

Tgt Ion: 84 Resp: 1126

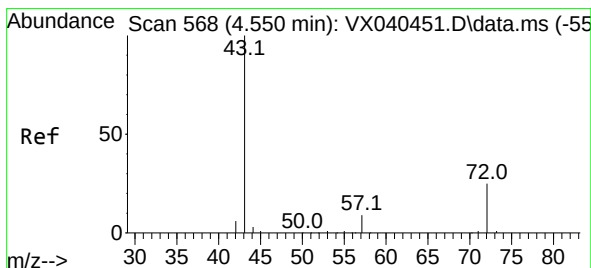
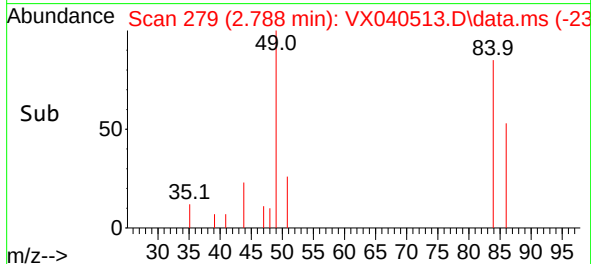
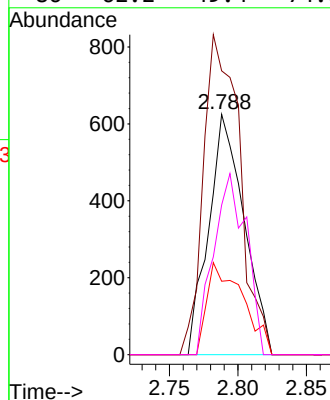
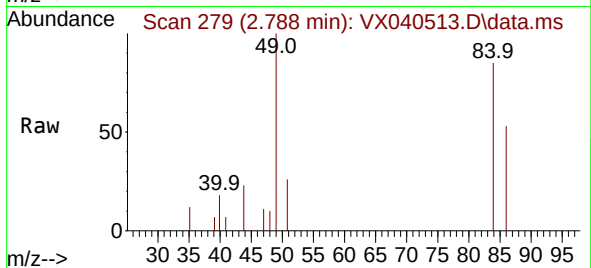
Ion Ratio Lower Upper

84 100

49 118.1 103.6 155.4

51 30.6 33.8 50.6#

86 62.2 49.4 74.0



#25

2-Butanone

Concen: 14.055 ug/l

RT: 4.562 min Scan# 570

Delta R.T. 0.012 min

Lab File: VX040513.D

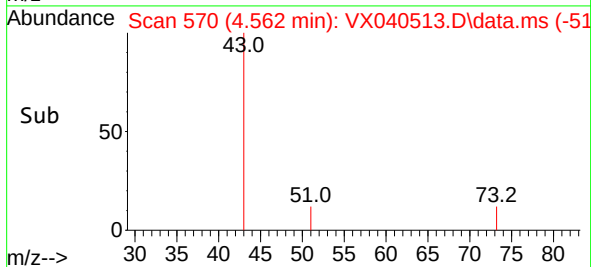
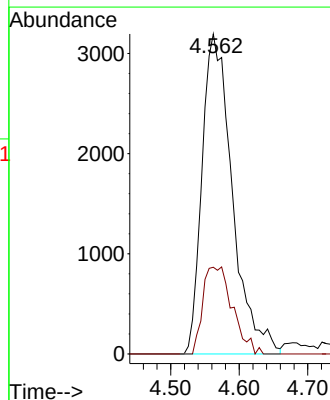
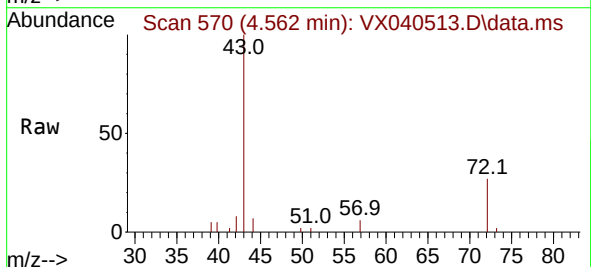
Acq: 28 Feb 2024 16:03

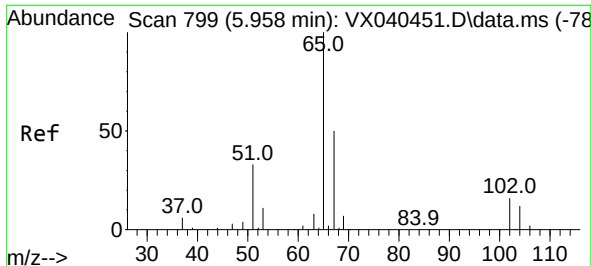
Tgt Ion: 43 Resp: 9789

Ion Ratio Lower Upper

43 100

72 27.1 19.4 29.2

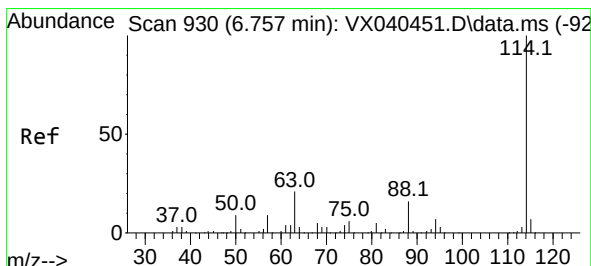
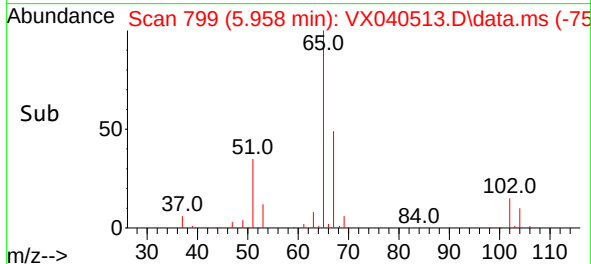
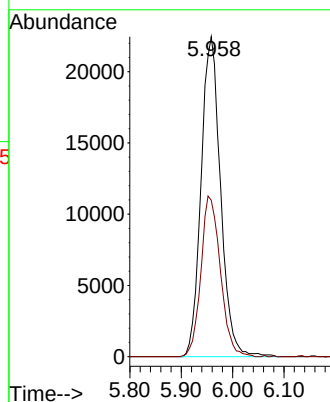
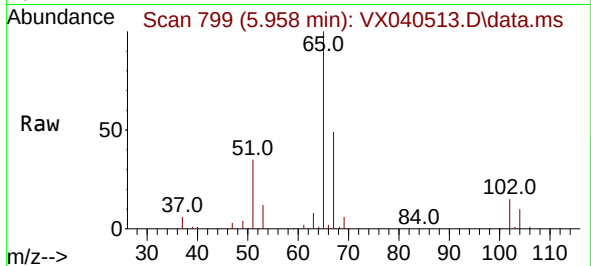




#33
 1,2-Dichloroethane-d4
 Concen: 48.221 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. -0.000 min
 Lab File: VX040513.D
 Acq: 28 Feb 2024 16:03

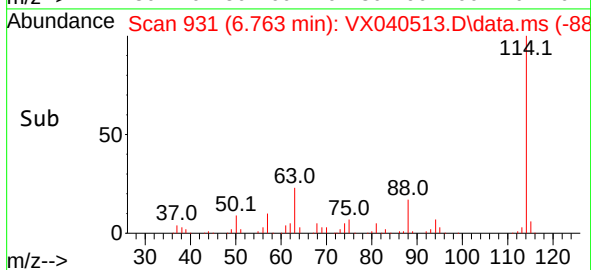
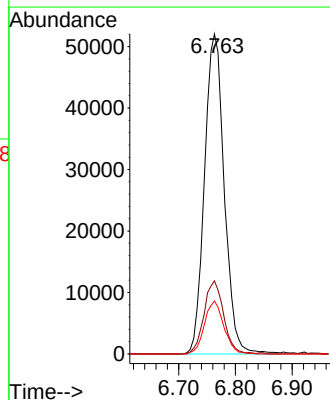
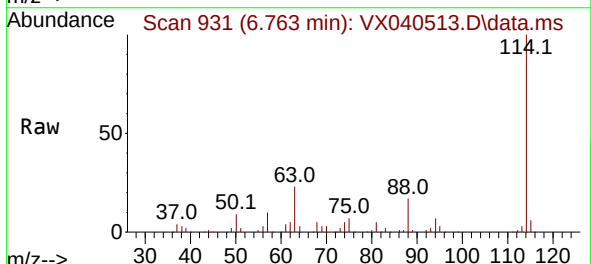
Instrument :
 MSVOA_X
 ClientSampleId :
 1851

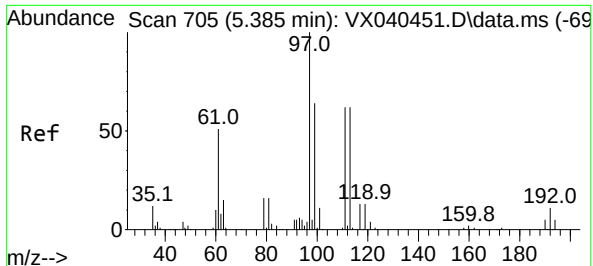
Tgt Ion: 65 Resp: 59110
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.006 min
 Lab File: VX040513.D
 Acq: 28 Feb 2024 16:03

Tgt Ion: 114 Resp: 126072
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 45.0
 88 16.5 0.0 36.6





#35

Dibromofluoromethane

Concen: 48.996 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX040513.D

Acq: 28 Feb 2024 16:03

Instrument :

MSVOA_X

ClientSampleId :

1851

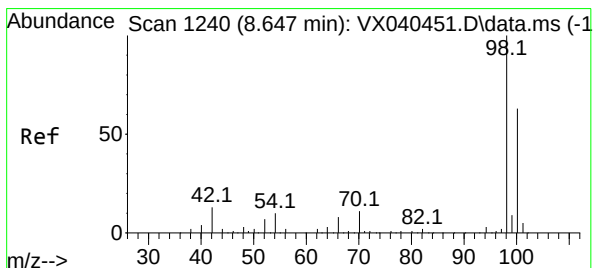
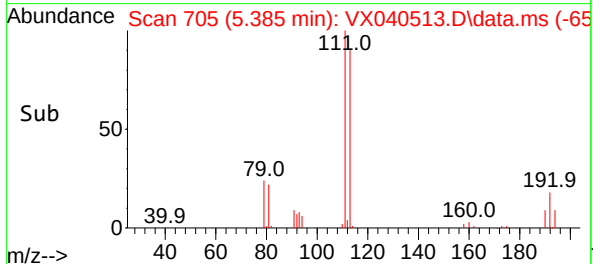
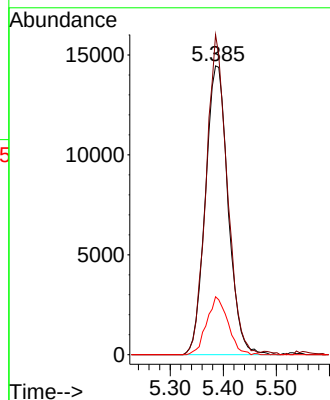
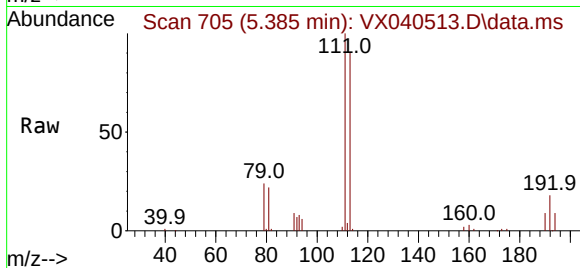
Tgt Ion:113 Resp: 42955

Ion Ratio Lower Upper

113 100

111 103.2 82.9 124.3

192 18.7 13.3 19.9



#50

Toluene-d8

Concen: 48.922 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX040513.D

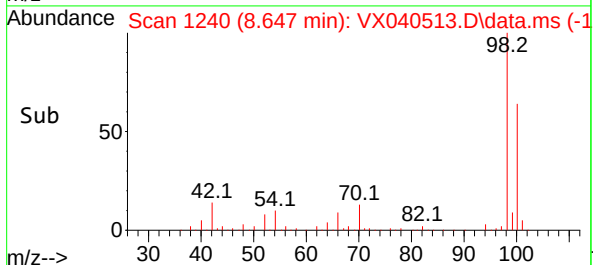
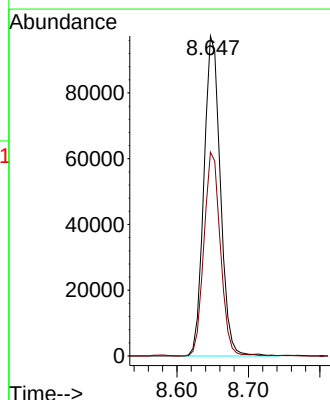
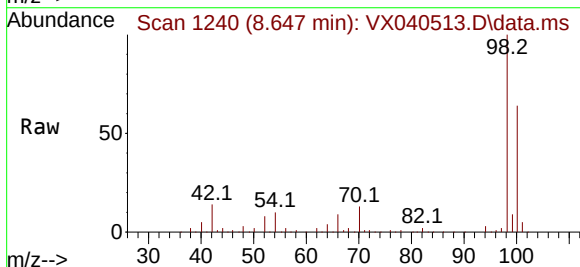
Acq: 28 Feb 2024 16:03

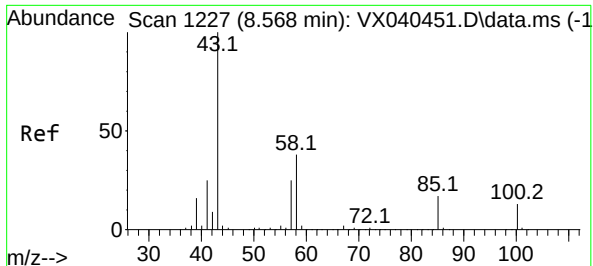
Tgt Ion: 98 Resp: 155683

Ion Ratio Lower Upper

98 100

100 63.9 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 1.969 ug/l

RT: 8.574 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX040513.D

Acq: 28 Feb 2024 16:03

Instrument :

MSVOA_X

ClientSampleId :

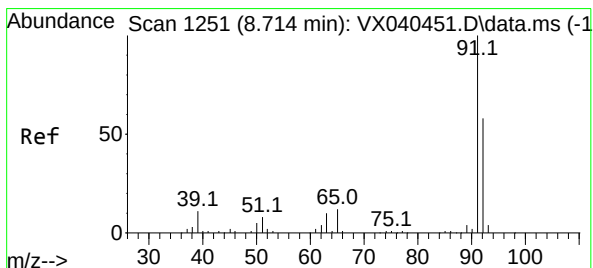
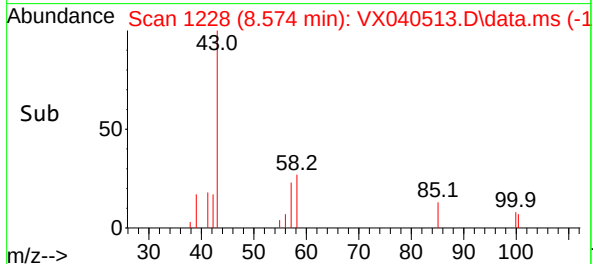
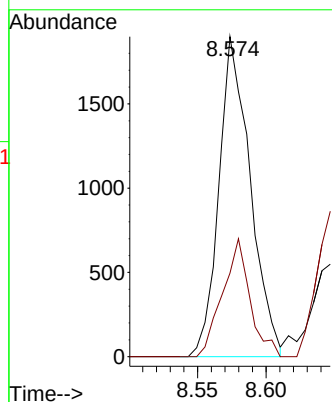
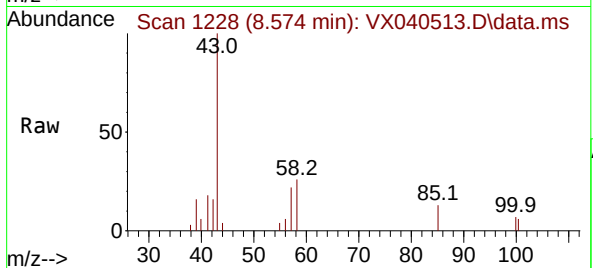
1851

Tgt Ion: 43 Resp: 3019

Ion Ratio Lower Upper

43 100

58 32.3 30.4 45.6



#52

Toluene

Concen: 158.725 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.006 min

Lab File: VX040513.D

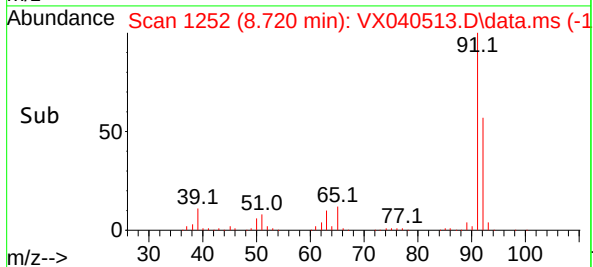
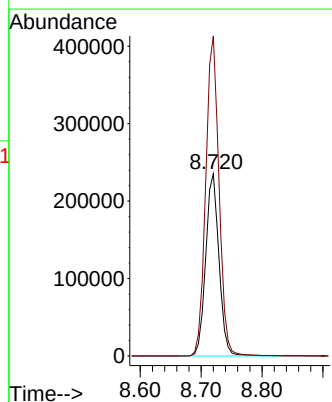
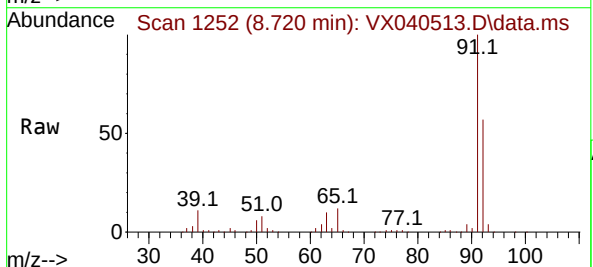
Acq: 28 Feb 2024 16:03

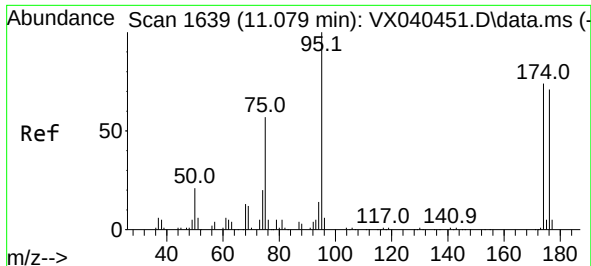
Tgt Ion: 92 Resp: 356232

Ion Ratio Lower Upper

92 100

91 176.0 134.2 201.2

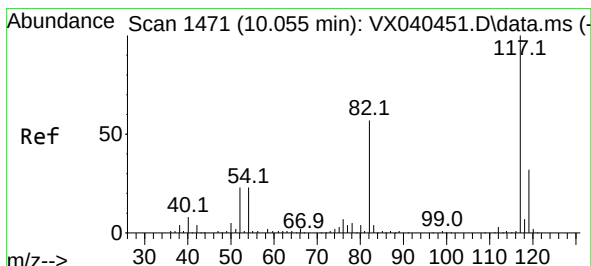
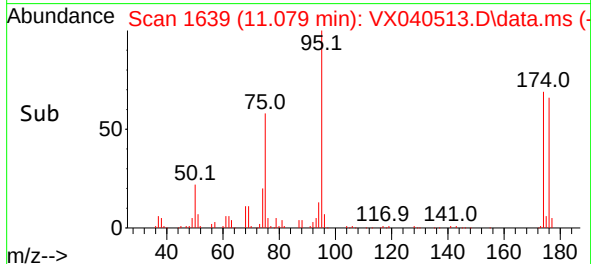
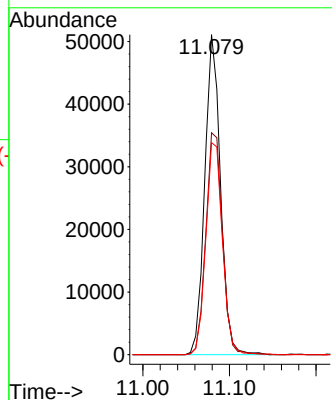
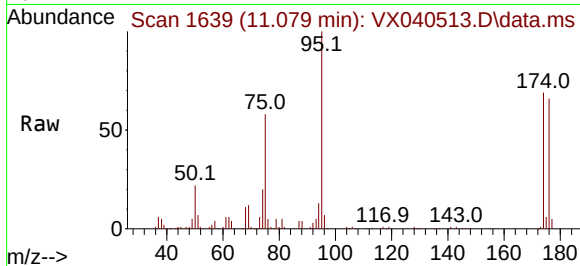




#62
4-Bromofluorobenzene
Concen: 52.992 ug/l
RT: 11.079 min Scan# 11851
Delta R.T. -0.000 min
Lab File: VX040513.D
Acq: 28 Feb 2024 16:03

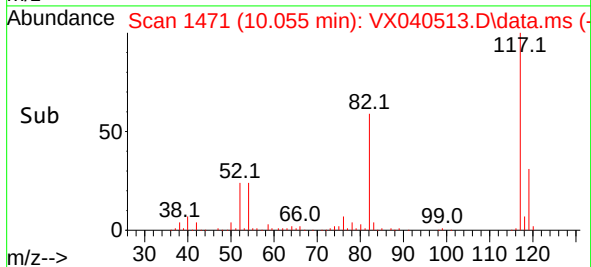
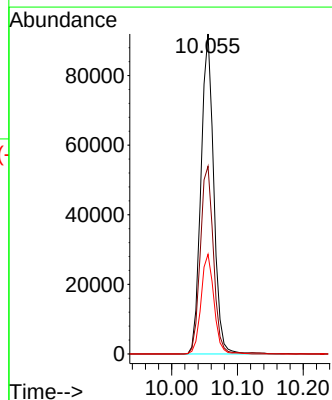
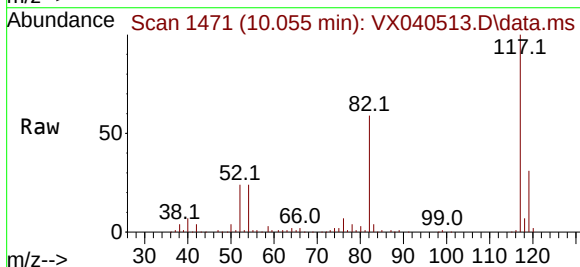
Instrument :
MSVOA_X
ClientSampleId :
1851

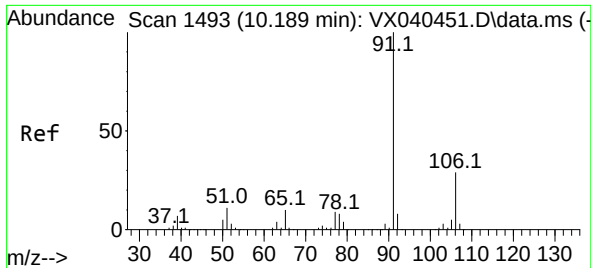
Tgt Ion: 95 Resp: 64283
Ion Ratio Lower Upper
95 100
174 73.6 0.0 135.6
176 70.4 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040513.D
Acq: 28 Feb 2024 16:03

Tgt Ion: 117 Resp: 123603
Ion Ratio Lower Upper
117 100
82 58.7 46.2 69.4
119 31.2 25.5 38.3

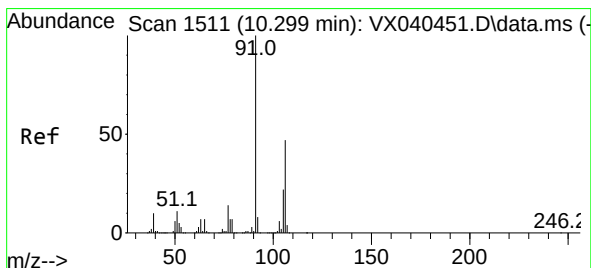
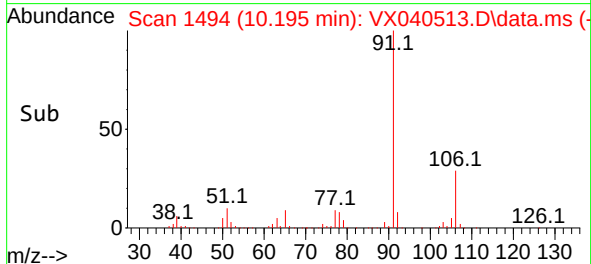
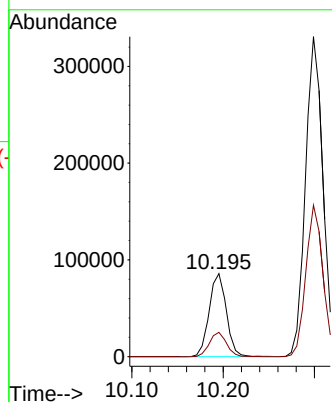
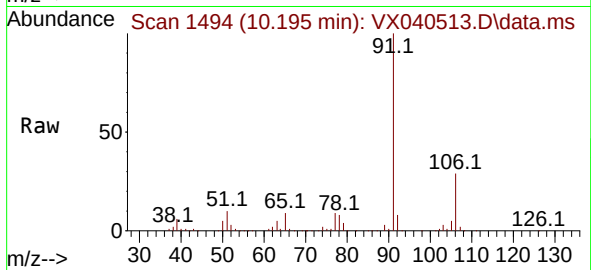




#67
Ethyl Benzene
Concen: 23.346 ug/l
RT: 10.195 min Scan# 1493
Delta R.T. 0.006 min
Lab File: VX040513.D
Acq: 28 Feb 2024 16:03

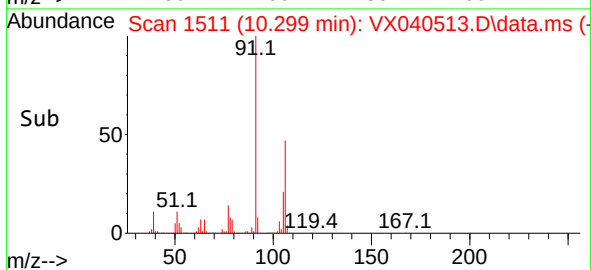
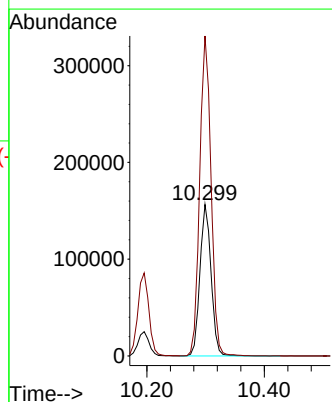
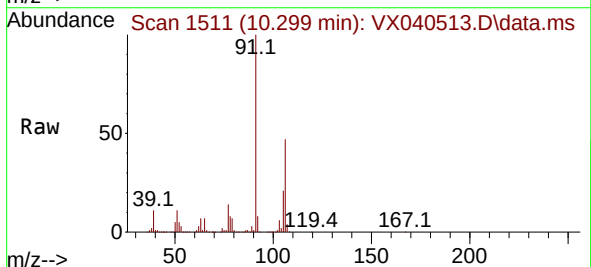
Instrument :
MSVOA_X
ClientSampleId :
1851

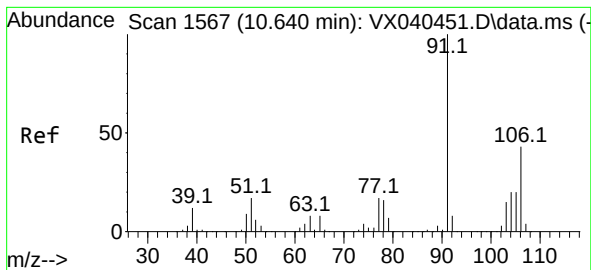
Tgt Ion: 91 Resp: 112353
Ion Ratio Lower Upper
91 100
106 29.2 24.9 37.3



#68
m/p-Xylenes
Concen: 114.126 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX040513.D
Acq: 28 Feb 2024 16:03

Tgt Ion: 106 Resp: 205099
Ion Ratio Lower Upper
106 100
91 214.9 165.5 248.3

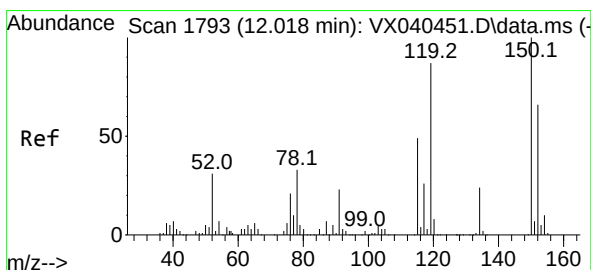
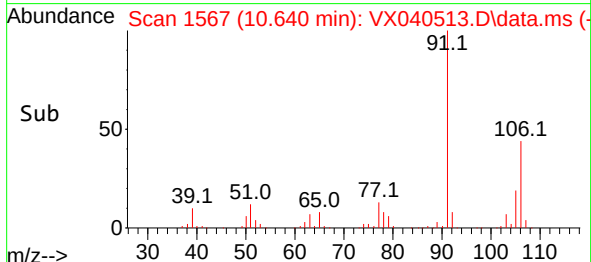
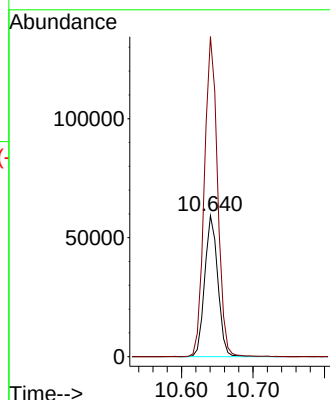
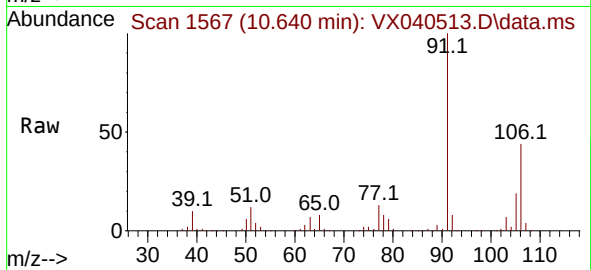




#69
o-Xylene
Concen: 44.024 ug/l
RT: 10.640 min Scan# 11851
Delta R.T. -0.000 min
Lab File: VX040513.D
Acq: 28 Feb 2024 16:03

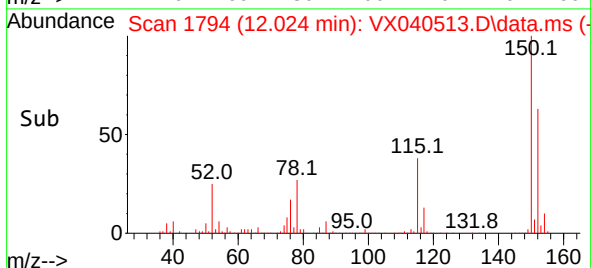
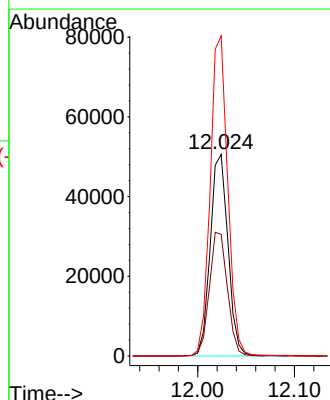
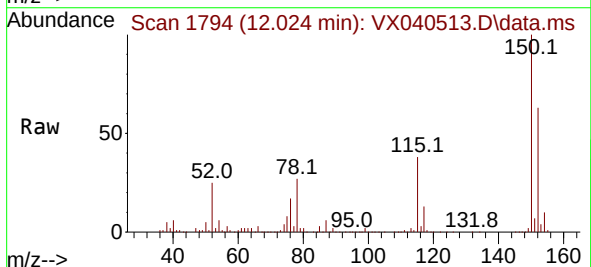
Instrument :
MSVOA_X
ClientSampleId :
1851

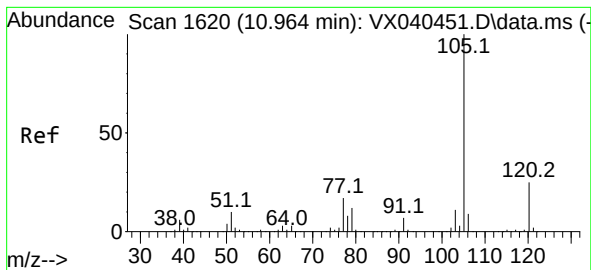
Tgt Ion:106 Resp: 75668
Ion Ratio Lower Upper
106 100
91 228.9 108.9 326.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX040513.D
Acq: 28 Feb 2024 16:03

Tgt Ion:152 Resp: 64590
Ion Ratio Lower Upper
152 100
115 62.4 43.3 129.9
150 156.8 0.0 345.0





#73

Isopropylbenzene

Concen: 0.386 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. -0.000 min

Lab File: VX040513.D

Acq: 28 Feb 2024 16:03

Instrument :

MSVOA_X

ClientSampleId :

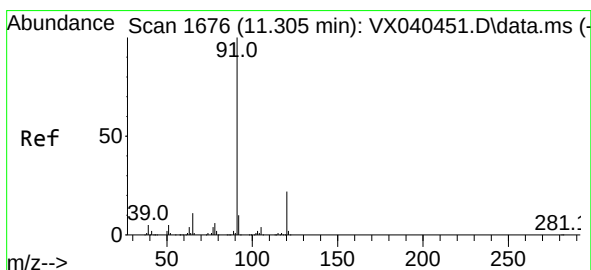
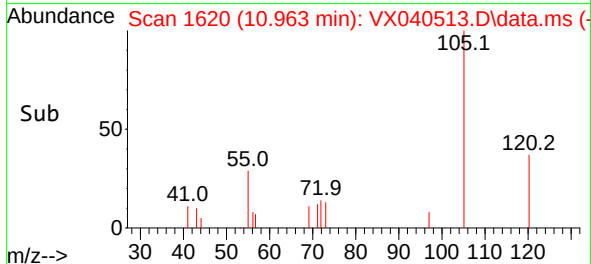
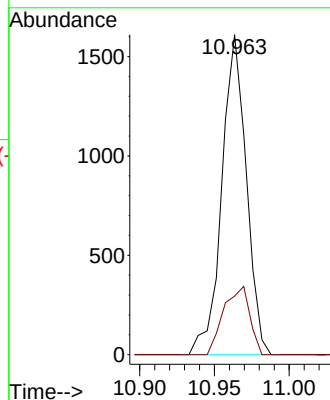
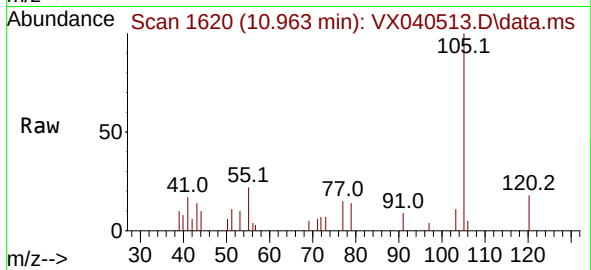
1851

Tgt Ion:105 Resp: 1835

Ion Ratio Lower Upper

105 100

120 22.6 12.9 38.6



#78

n-propylbenzene

Concen: 0.327 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX040513.D

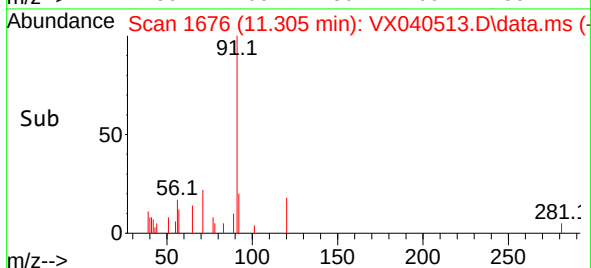
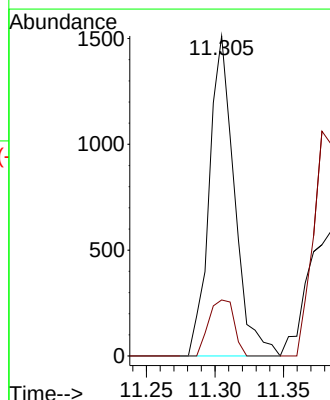
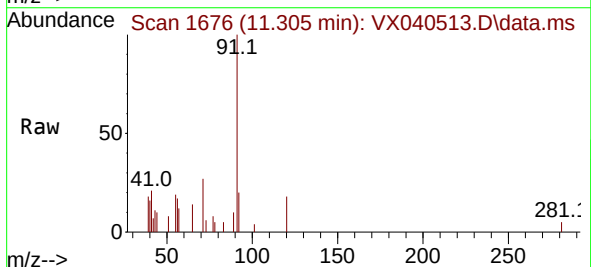
Acq: 28 Feb 2024 16:03

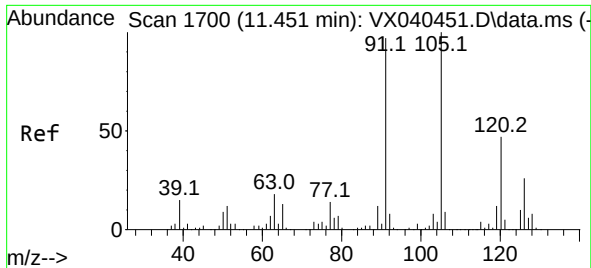
Tgt Ion: 91 Resp: 1928

Ion Ratio Lower Upper

91 100

120 17.7 11.5 34.4

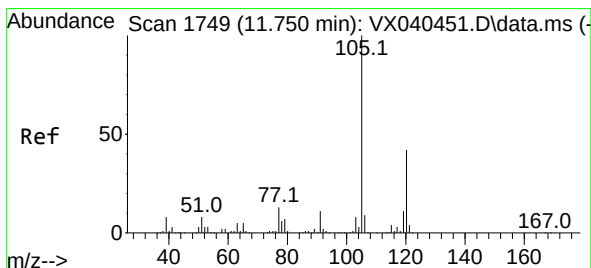
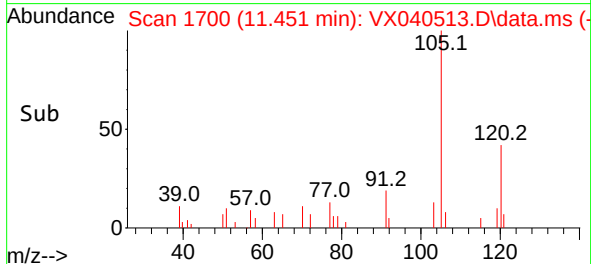
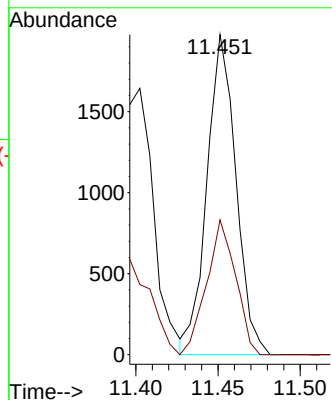
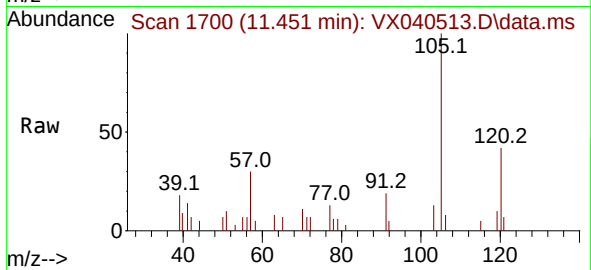




#80
1,3,5-Trimethylbenzene
Concen: 0.600 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX040513.D
Acq: 28 Feb 2024 16:03

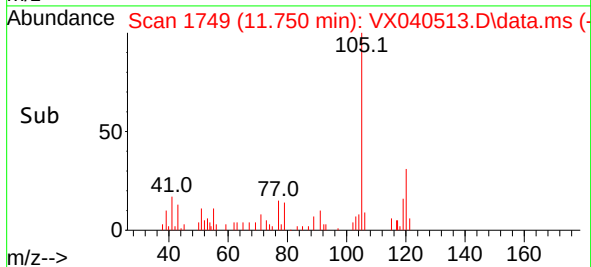
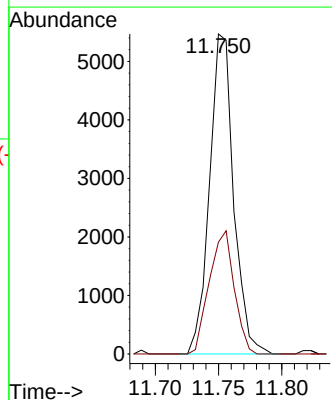
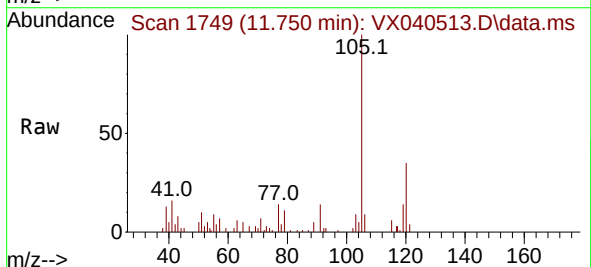
Instrument :
MSVOA_X
ClientSampleId :
1851

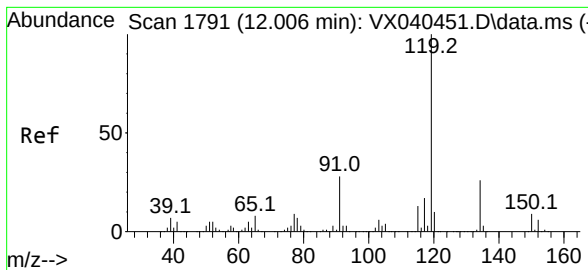
Tgt Ion:105 Resp: 2427
Ion Ratio Lower Upper
105 100
120 42.2 24.1 72.3



#84
1,2,4-Trimethylbenzene
Concen: 1.804 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX040513.D
Acq: 28 Feb 2024 16:03

Tgt Ion:105 Resp: 7240
Ion Ratio Lower Upper
105 100
120 39.8 21.2 63.6





#86
 p-Isopropyltoluene
 Concen: 0.369 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX040513.D
 Acq: 28 Feb 2024 16:03

Instrument :
 MSVOA_X
 ClientSampleId :
 1851

Tgt Ion:	119	Resp:	1526
Ion	Ratio	Lower	Upper
119	100		
134	33.4	12.8	38.3
91	0.0	13.1	39.3#

