

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120922\
 Data File : VX033348.D
 Acq On : 09 Dec 2022 15:27
 Operator : JC/MD
 Sample : N5890-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1921

Quant Time: Dec 09 15:51:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

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

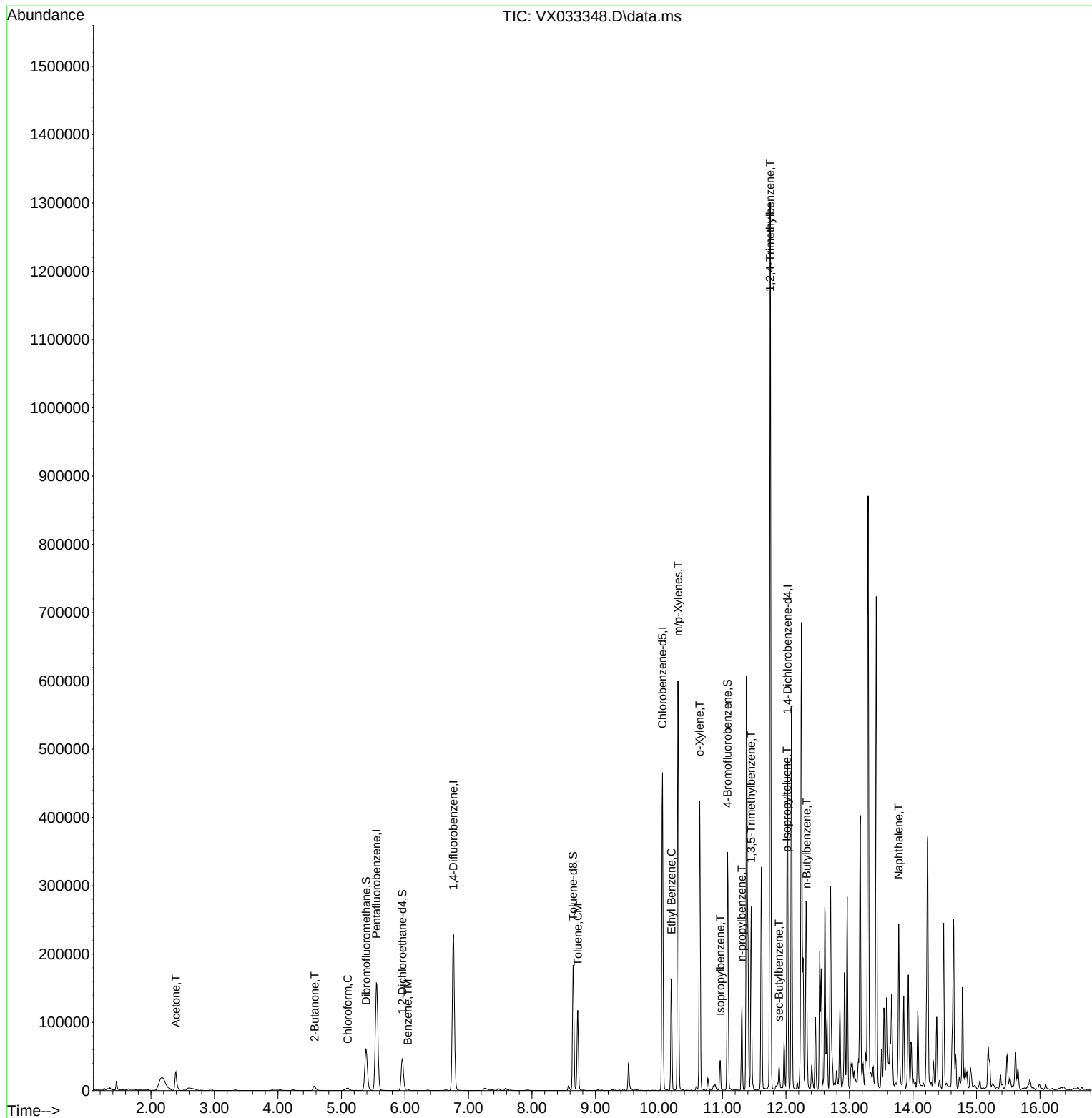
Internal Standards						
1) Pentafluorobenzene	5.550	168	153747	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	243858	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	215213	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	104136	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	47261	47.915	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.840%
35) Dibromofluoromethane	5.385	113	53508	48.784	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.560%
50) Toluene-d8	8.647	98	114087	49.722	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.440%
62) 4-Bromofluorobenzene	11.079	95	90377	51.514	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.020%
Target Compounds						
					Qvalue	
16) Acetone	2.392	43	33544	45.959	ug/l	93
25) 2-Butanone	4.574	43	12658	12.082	ug/l	98
30) Chloroform	5.099	83	3640	1.170	ug/l	93
40) Benzene	6.044	78	2423	0.389	ug/l	94
52) Toluene	8.720	92	45057	11.177	ug/l	100
67) Ethyl Benzene	10.195	91	95962	12.639	ug/l	100
68) m/p-Xylenes	10.299	106	137670	46.605	ug/l	99
69) o-Xylene	10.640	106	90703	31.064	ug/l	99
73) Isopropylbenzene	10.964	105	22785	3.019	ug/l	99
78) n-propylbenzene	11.305	91	73317	8.699	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	115511	18.385	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	563426	89.837	ug/l	99
85) sec-Butylbenzene	11.890	105	17574	2.404	ug/l	92
86) p-Isopropyltoluene	12.012	119	12721	2.018	ug/l	94
89) n-Butylbenzene	12.323	91	40874	7.919	ug/l #	27
95) Naphthalene	13.774	128	146037	21.001	ug/l	99

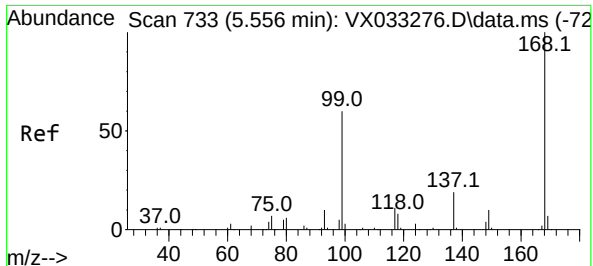
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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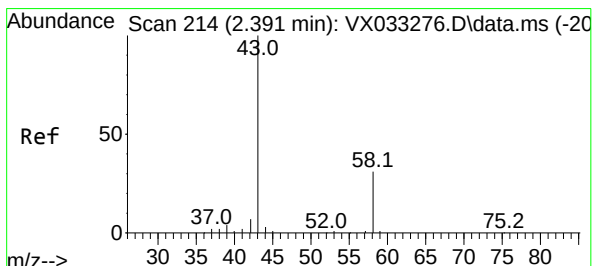
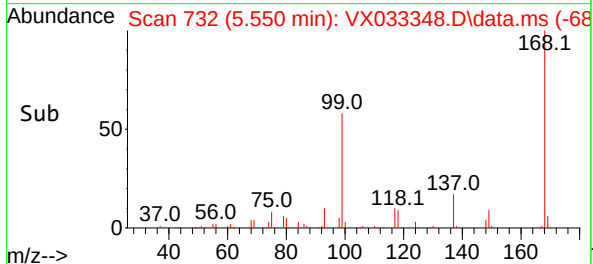
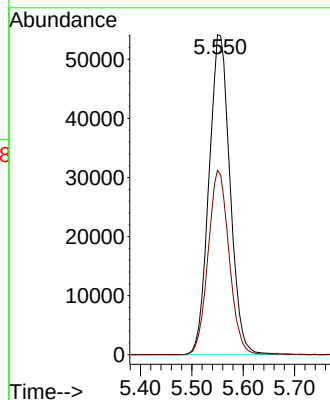
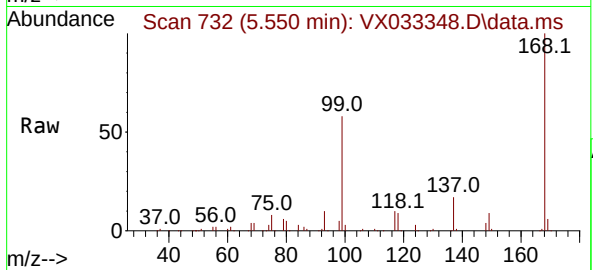




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX033348.D
Acq: 09 Dec 2022 15:27

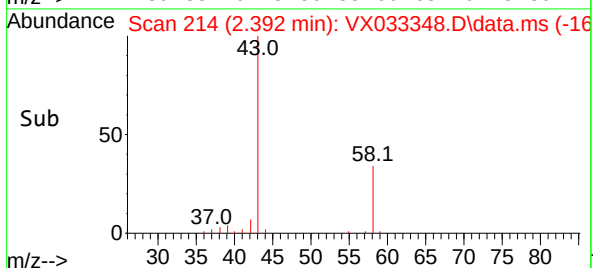
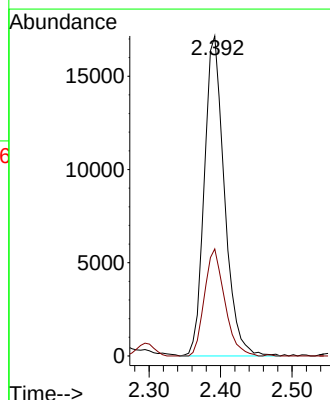
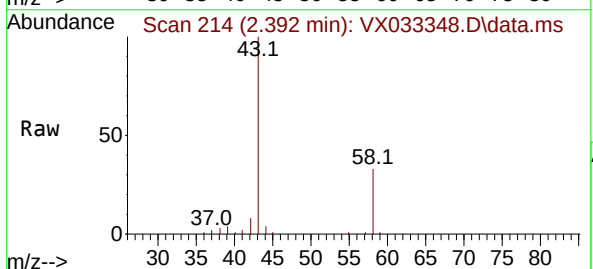
Instrument :
MSVOA_X
ClientSampleId :
1921

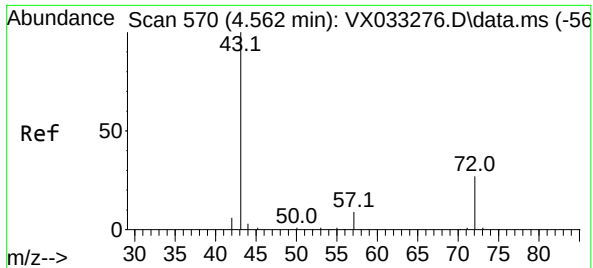
Tgt Ion:168 Resp: 153747
Ion Ratio Lower Upper
168 100
99 57.6 46.1 69.1



#16
Acetone
Concen: 45.959 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX033348.D
Acq: 09 Dec 2022 15:27

Tgt Ion: 43 Resp: 33544
Ion Ratio Lower Upper
43 100
58 33.5 23.8 35.8

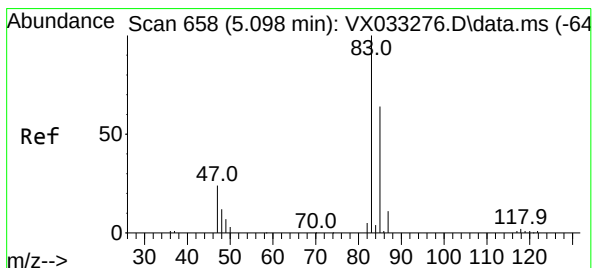
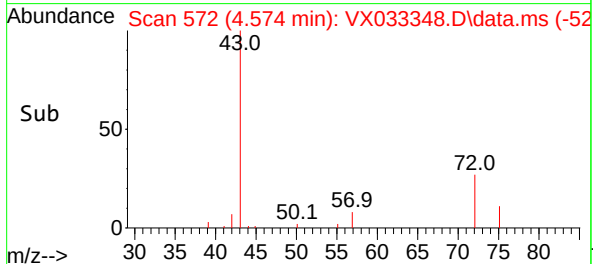
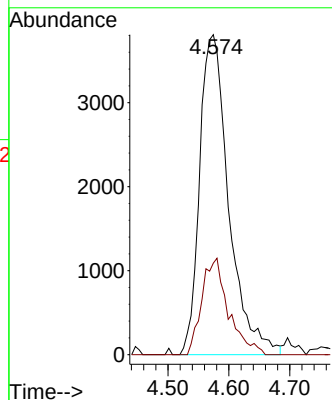
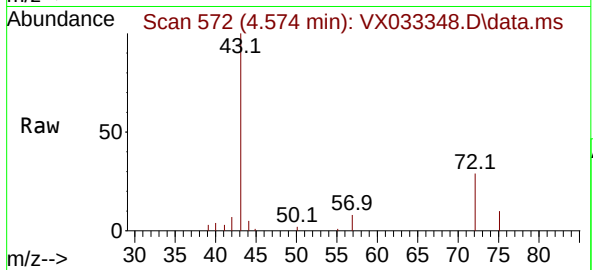




#25
2-Butanone
Concen: 12.082 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.013 min
Lab File: VX033348.D
Acq: 09 Dec 2022 15:27

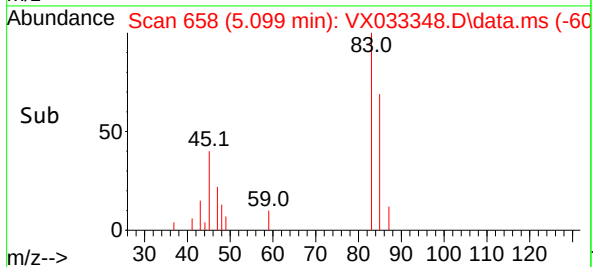
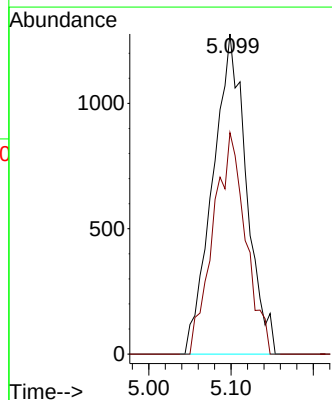
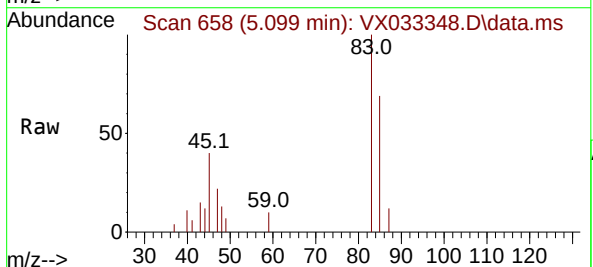
Instrument :
MSVOA_X
ClientSampleId :
1921

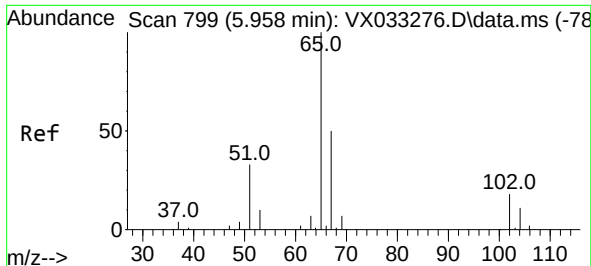
Tgt Ion: 43 Resp: 12658
Ion Ratio Lower Upper
43 100
72 28.6 22.2 33.2



#30
Chloroform
Concen: 1.170 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.000 min
Lab File: VX033348.D
Acq: 09 Dec 2022 15:27

Tgt Ion: 83 Resp: 3640
Ion Ratio Lower Upper
83 100
85 69.1 51.1 76.7

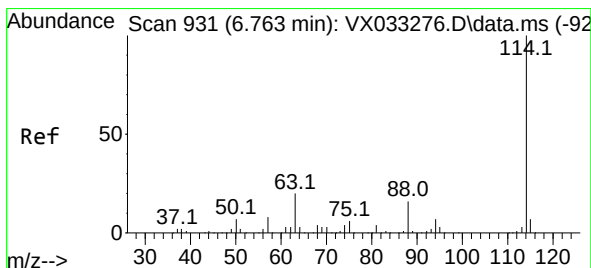
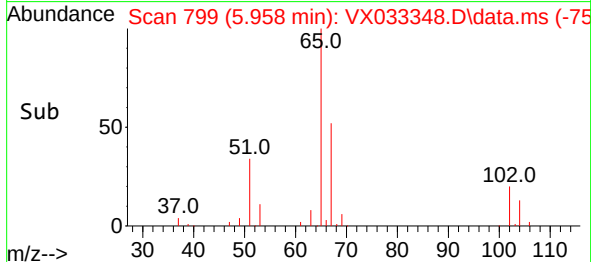
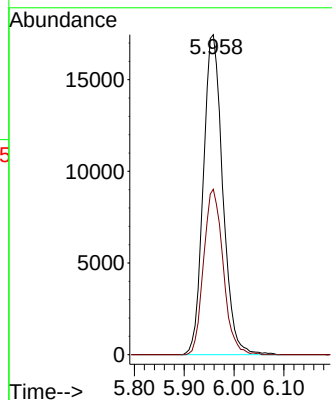
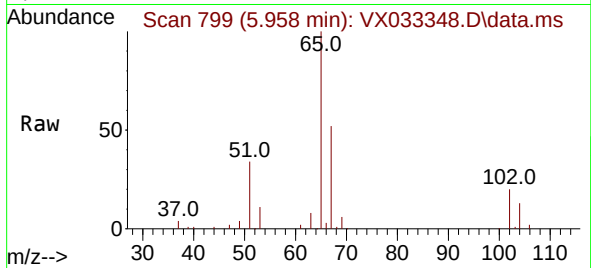




#33
 1,2-Dichloroethane-d4
 Concen: 47.915 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX033348.D
 Acq: 09 Dec 2022 15:27

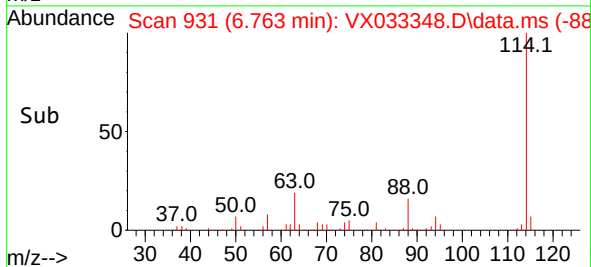
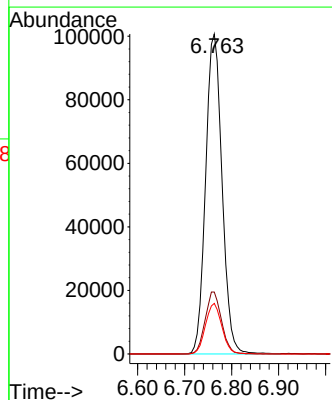
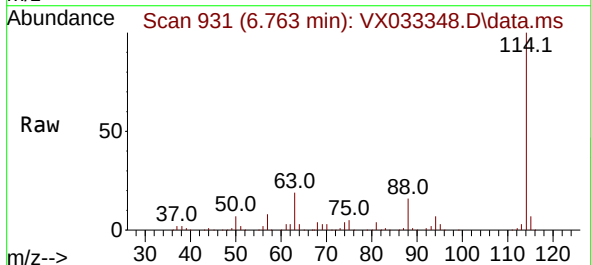
Instrument :
 MSVOA_X
 ClientSampleId :
 1921

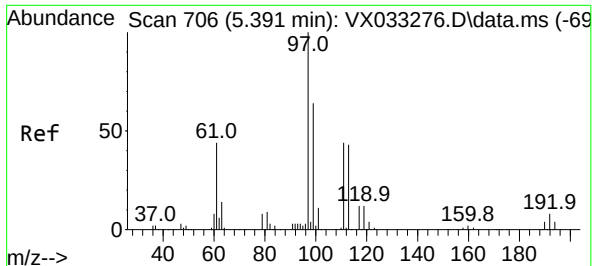
Tgt Ion: 65 Resp: 47261
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX033348.D
 Acq: 09 Dec 2022 15:27

Tgt Ion: 114 Resp: 243858
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 41.6
 88 15.8 0.0 33.4





#35

Dibromofluoromethane

Concen: 48.784 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX033348.D

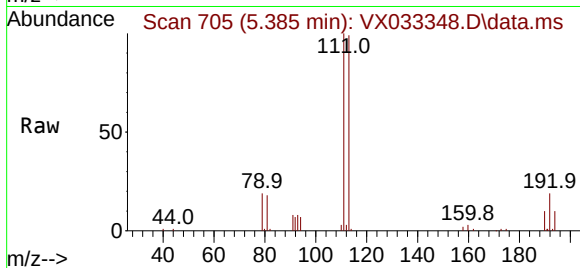
Acq: 09 Dec 2022 15:27

Instrument :

MSVOA_X

ClientSampleId :

1921



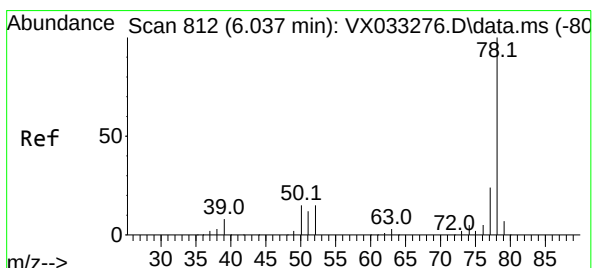
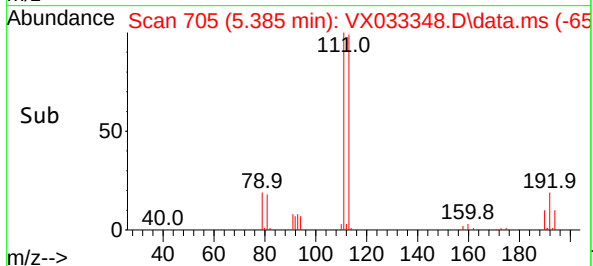
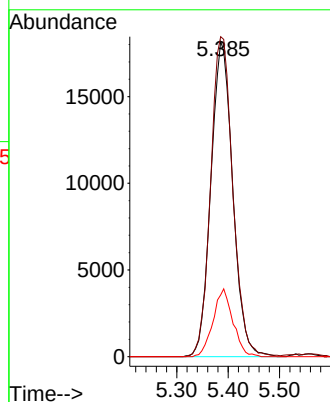
Tgt Ion:113 Resp: 53508

Ion Ratio Lower Upper

113 100

111 103.0 82.4 123.6

192 19.6 15.4 23.2



#40

Benzene

Concen: 0.389 ug/l

RT: 6.044 min Scan# 813

Delta R.T. 0.007 min

Lab File: VX033348.D

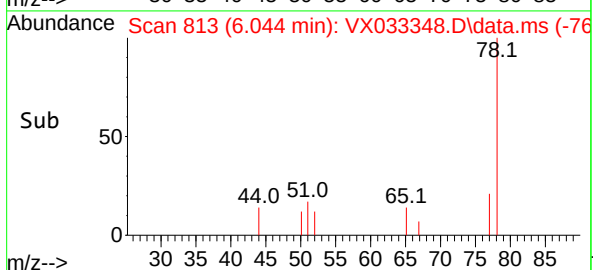
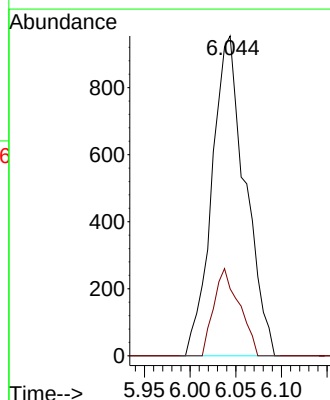
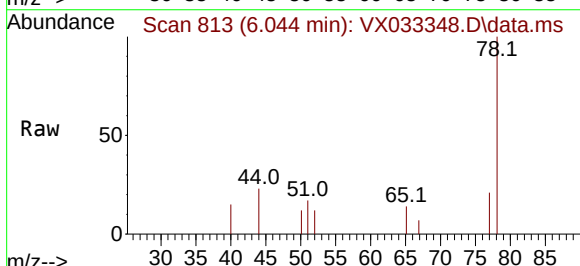
Acq: 09 Dec 2022 15:27

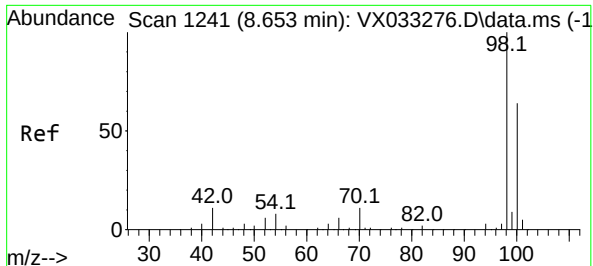
Tgt Ion: 78 Resp: 2423

Ion Ratio Lower Upper

78 100

77 21.0 19.0 28.4

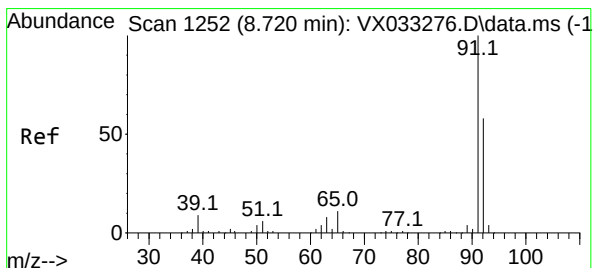
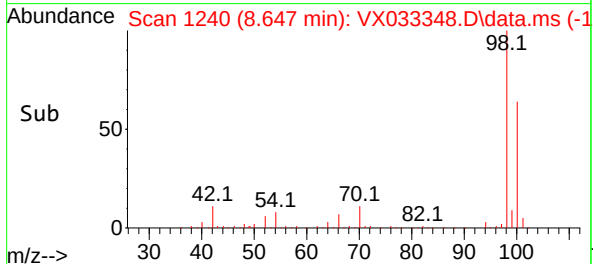
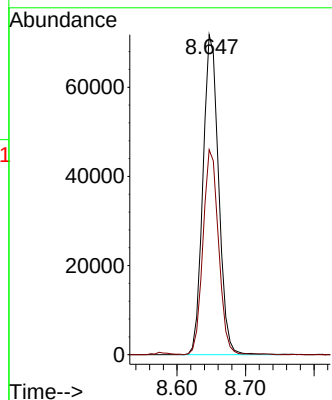
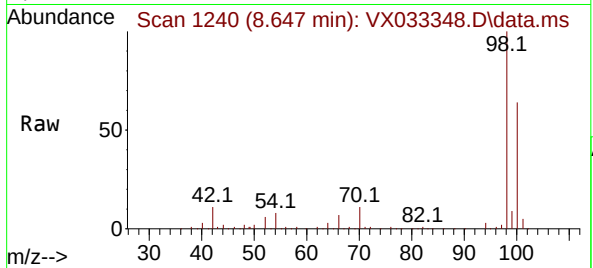




#50
Toluene-d8
Concen: 49.722 ug/l
RT: 8.647 min Scan# 11921
Delta R.T. -0.006 min
Lab File: VX033348.D
Acq: 09 Dec 2022 15:27

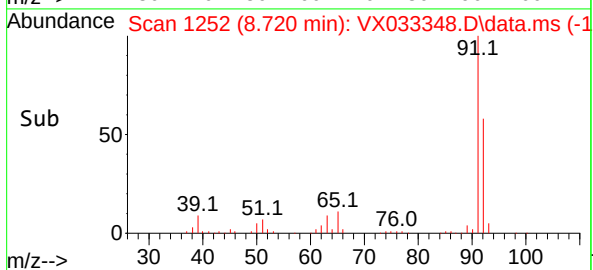
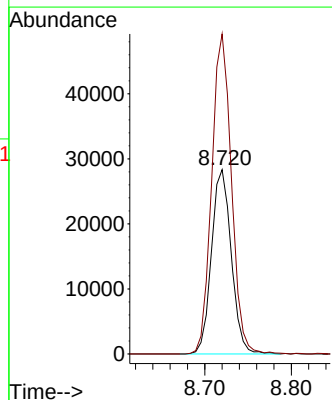
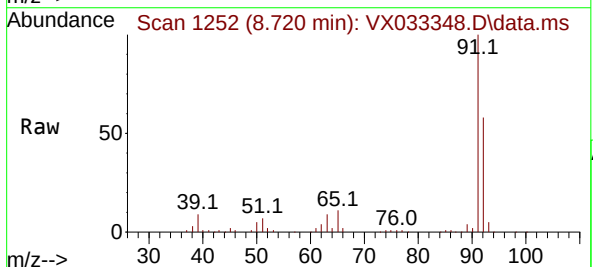
Instrument :
MSVOA_X
ClientSampleId :
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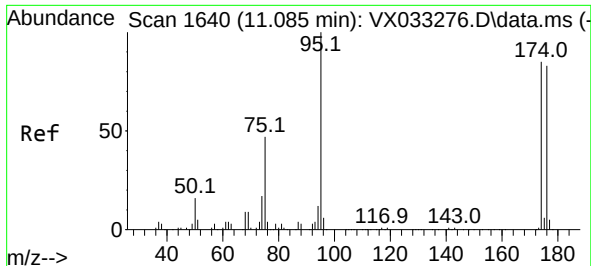
Tgt Ion: 98 Resp: 114087
Ion Ratio Lower Upper
98 100
100 64.0 50.9 76.3



#52
Toluene
Concen: 11.177 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX033348.D
Acq: 09 Dec 2022 15:27

Tgt Ion: 92 Resp: 45057
Ion Ratio Lower Upper
92 100
91 172.8 138.3 207.5





#62

4-Bromofluorobenzene

Concen: 51.514 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX033348.D

Acq: 09 Dec 2022 15:27

Instrument :

MSVOA_X

ClientSampleId :

1921

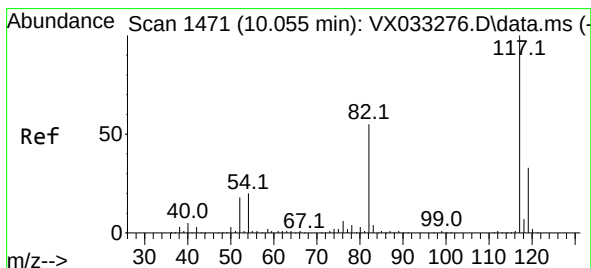
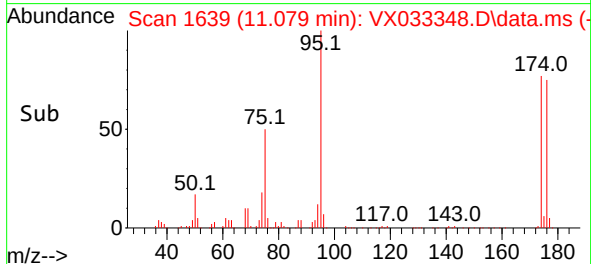
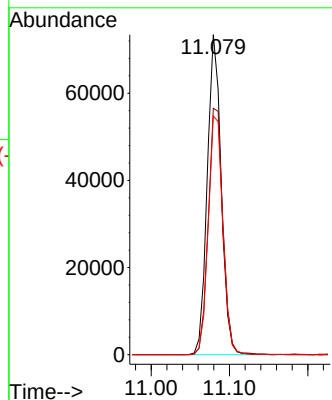
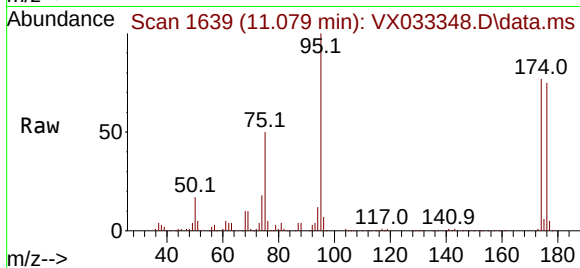
Tgt Ion: 95 Resp: 90377

Ion Ratio Lower Upper

95 100

174 81.4 0.0 164.0

176 78.3 0.0 154.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX033348.D

Acq: 09 Dec 2022 15:27

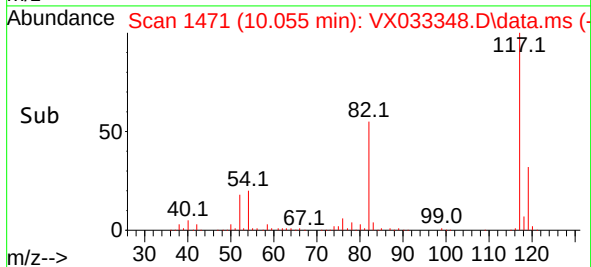
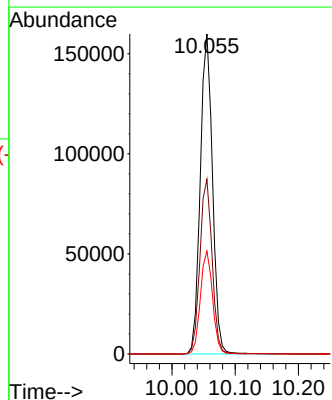
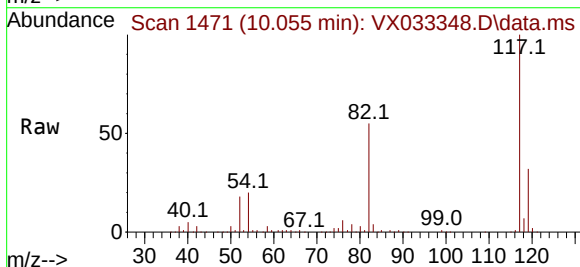
Tgt Ion: 117 Resp: 215213

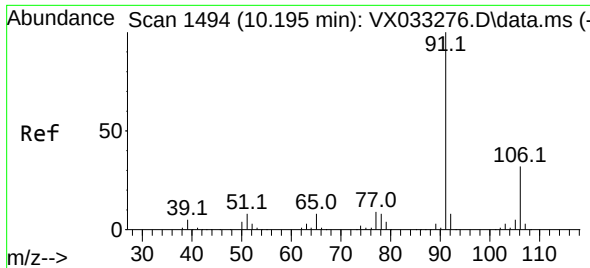
Ion Ratio Lower Upper

117 100

82 54.6 44.3 66.5

119 32.1 25.7 38.5

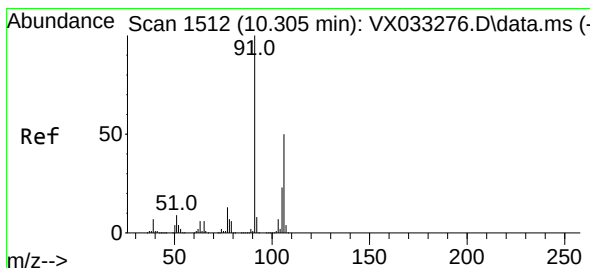
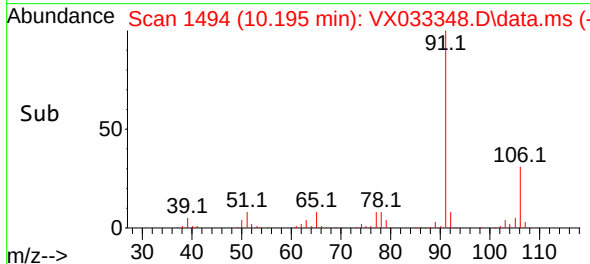
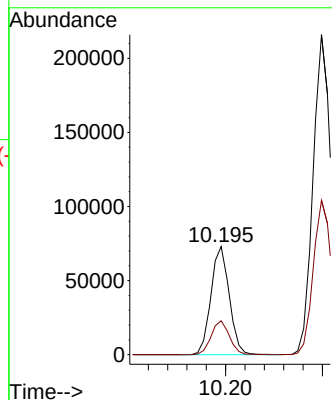
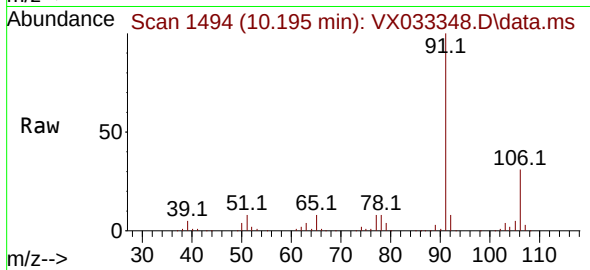




#67
Ethyl Benzene
Concen: 12.639 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX033348.D
Acq: 09 Dec 2022 15:27

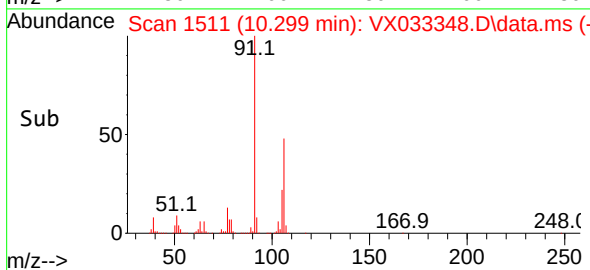
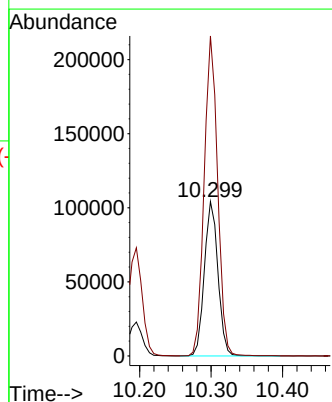
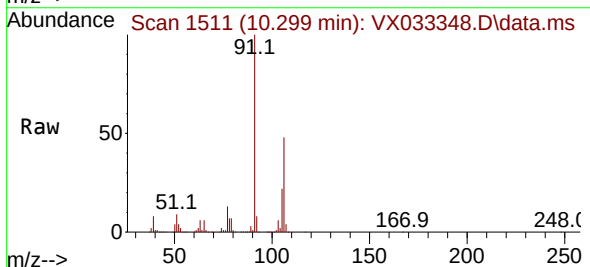
Instrument :
MSVOA_X
ClientSampleId :
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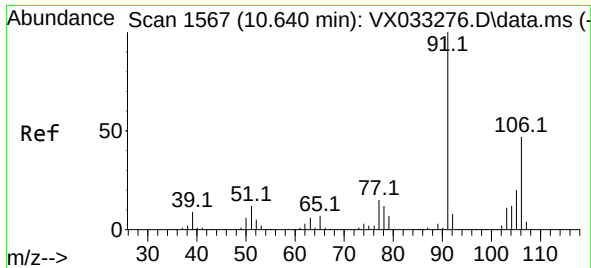
Tgt Ion: 91 Resp: 95962
Ion Ratio Lower Upper
91 100
106 31.3 25.0 37.6



#68
m/p-Xylenes
Concen: 46.605 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX033348.D
Acq: 09 Dec 2022 15:27

Tgt Ion:106 Resp: 137670
Ion Ratio Lower Upper
106 100
91 204.8 164.5 246.7

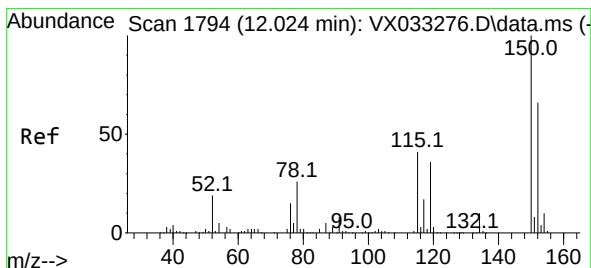
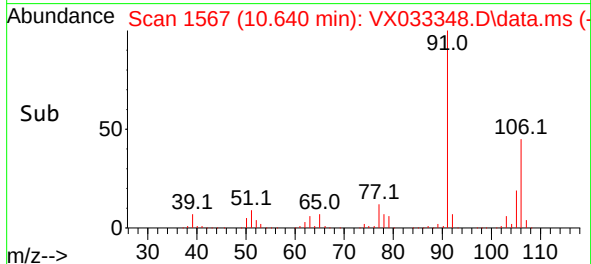
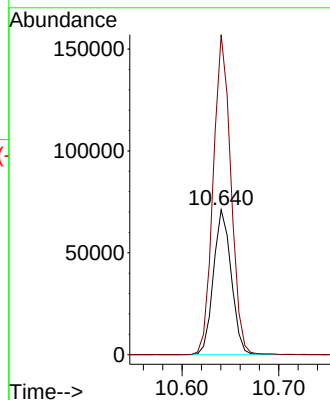
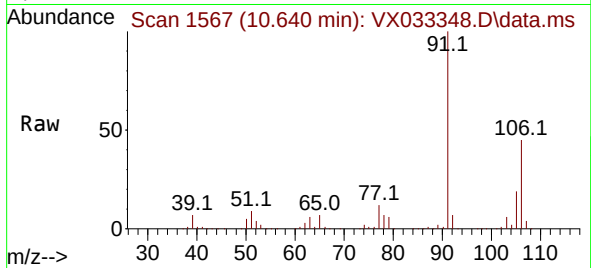




#69
o-Xylene
Concen: 31.064 ug/l
RT: 10.640 min Scan# 11921
Delta R.T. 0.000 min
Lab File: VX033348.D
Acq: 09 Dec 2022 15:27

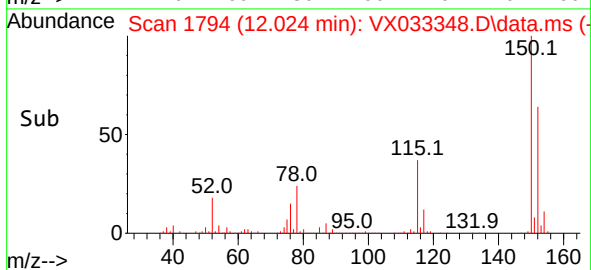
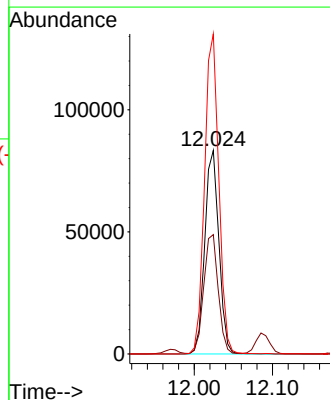
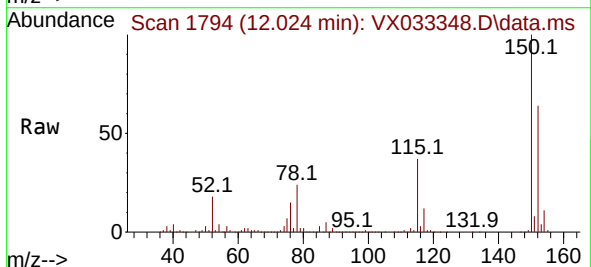
Instrument :
MSVOA_X
ClientSampleId :
1921

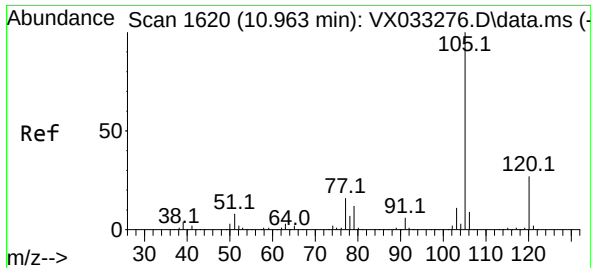
Tgt Ion:106 Resp: 90703
Ion Ratio Lower Upper
106 100
91 219.8 109.2 327.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033348.D
Acq: 09 Dec 2022 15:27

Tgt Ion:152 Resp: 104136
Ion Ratio Lower Upper
152 100
115 60.4 44.0 132.0
150 158.0 0.0 351.8

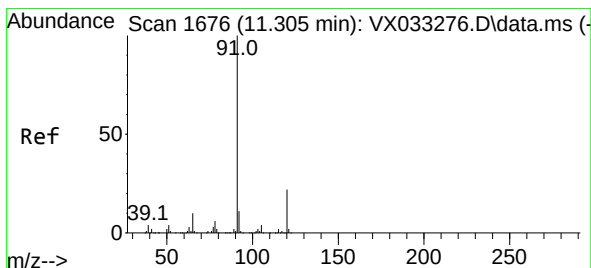
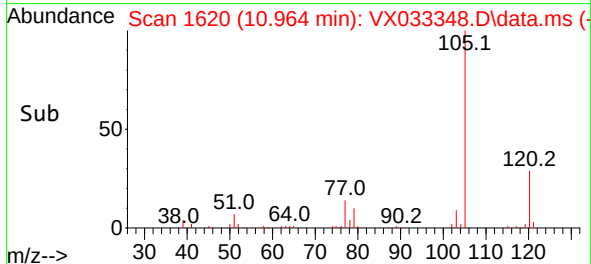
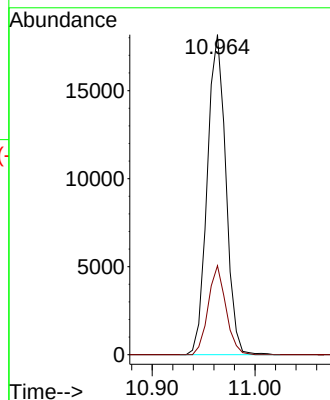
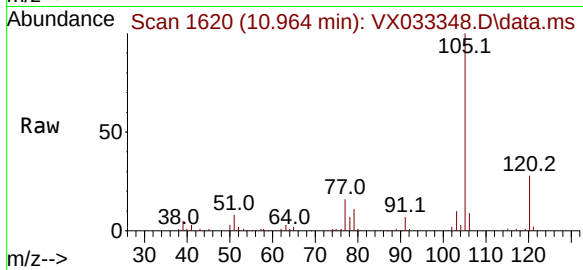




#73
Isopropylbenzene
Concen: 3.019 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX033348.D
Acq: 09 Dec 2022 15:27

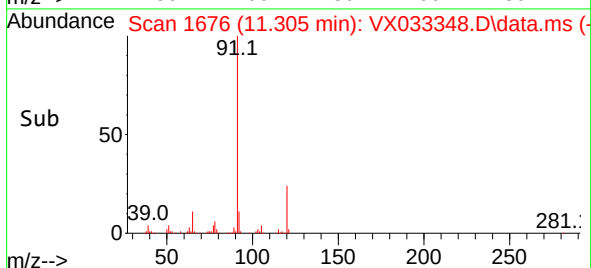
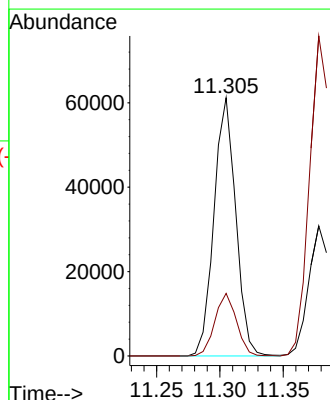
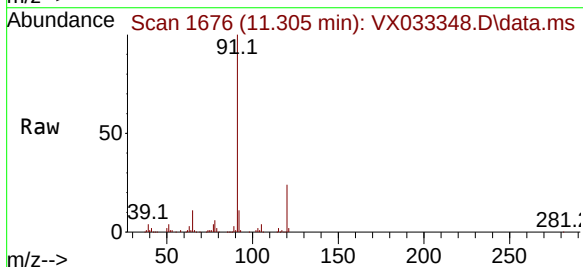
Instrument :
MSVOA_X
ClientSampleId :
1921

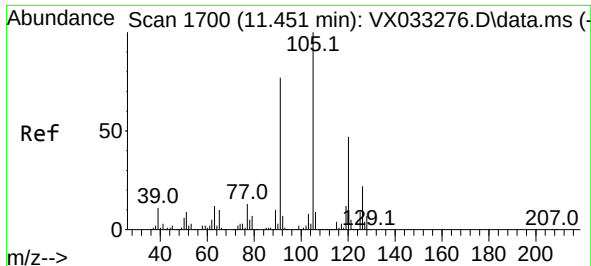
Tgt Ion:105 Resp: 22785
Ion Ratio Lower Upper
105 100
120 26.5 13.1 39.3



#78
n-propylbenzene
Concen: 8.699 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX033348.D
Acq: 09 Dec 2022 15:27

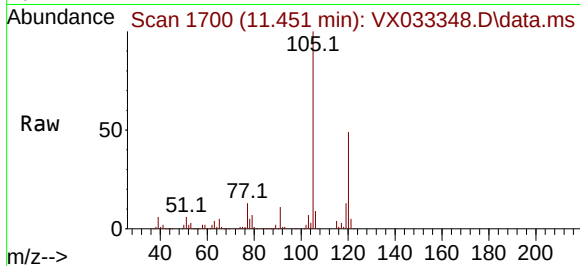
Tgt Ion: 91 Resp: 73317
Ion Ratio Lower Upper
91 100
120 24.0 11.6 34.8



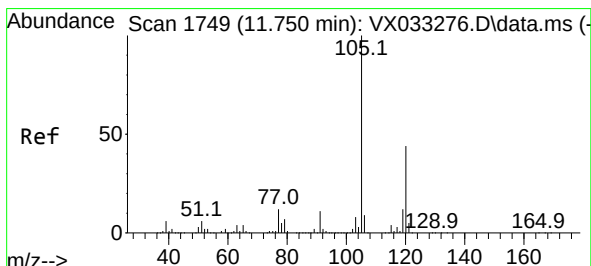
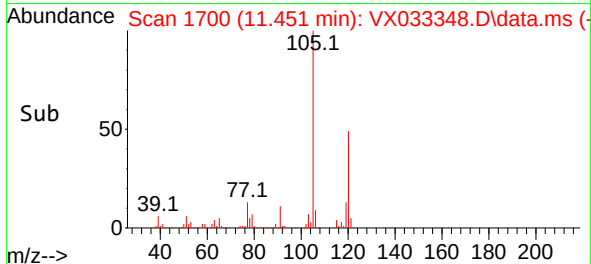
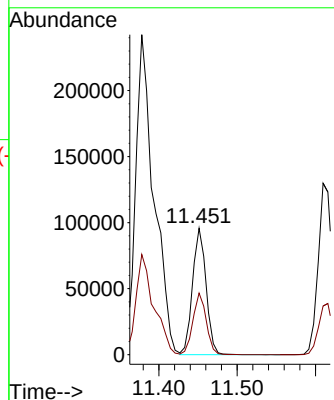


#80
 1,3,5-Trimethylbenzene
 Concen: 18.385 ug/l
 RT: 11.451 min Scan# 11921
 Delta R.T. 0.000 min
 Lab File: VX033348.D
 Acq: 09 Dec 2022 15:27

Instrument :
 MSVOA_X
 ClientSampleId :

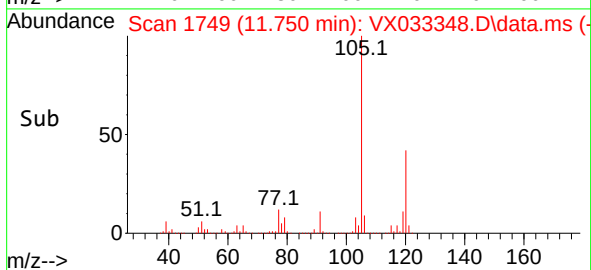
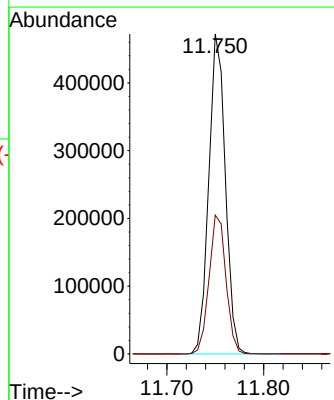
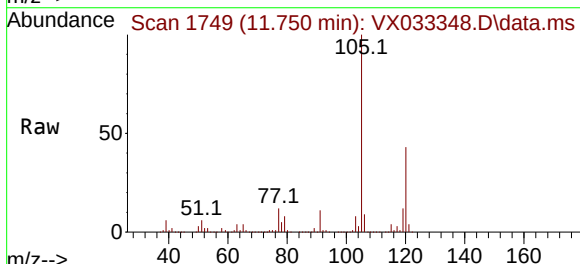


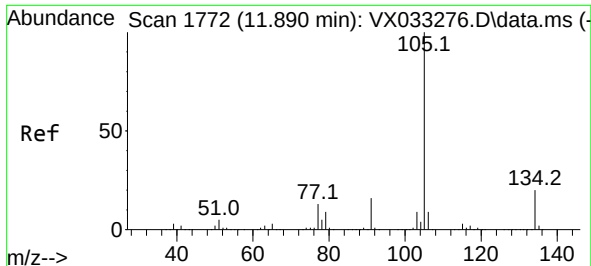
Tgt Ion:105 Resp: 115511
 Ion Ratio Lower Upper
 105 100
 120 48.0 23.6 71.0



#84
 1,2,4-Trimethylbenzene
 Concen: 89.837 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. 0.000 min
 Lab File: VX033348.D
 Acq: 09 Dec 2022 15:27

Tgt Ion:105 Resp: 563426
 Ion Ratio Lower Upper
 105 100
 120 44.4 21.9 65.5

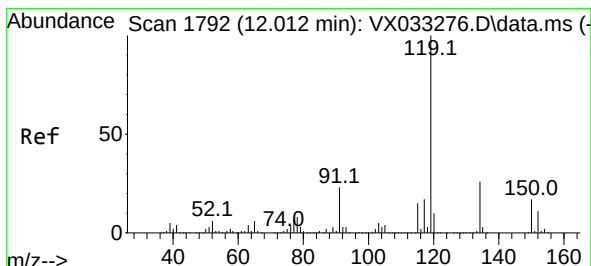
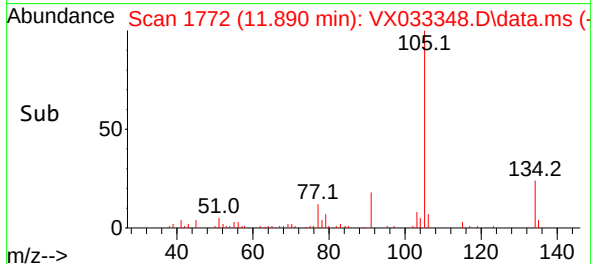
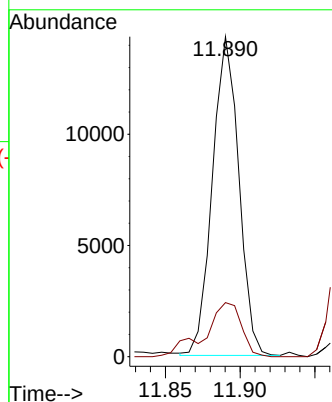
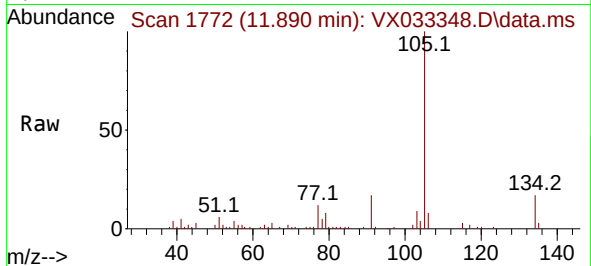




#85
 sec-Butylbenzene
 Concen: 2.404 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX033348.D
 Acq: 09 Dec 2022 15:27

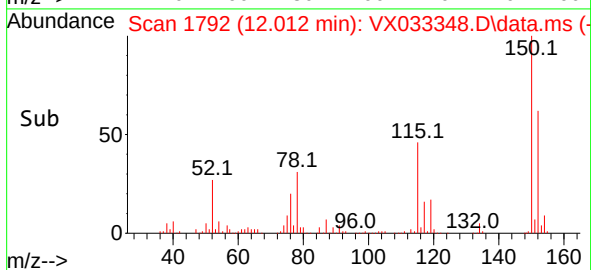
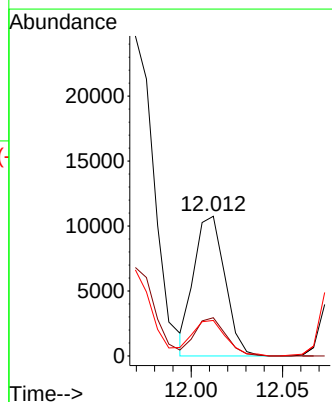
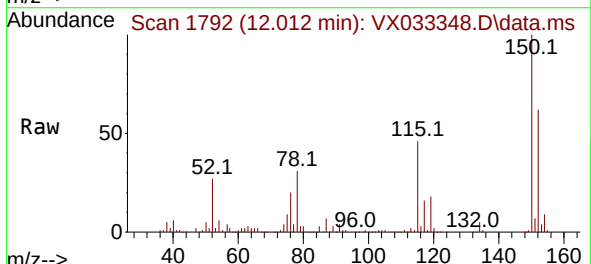
Instrument :
 MSVOA_X
 ClientSampleId :
 1921

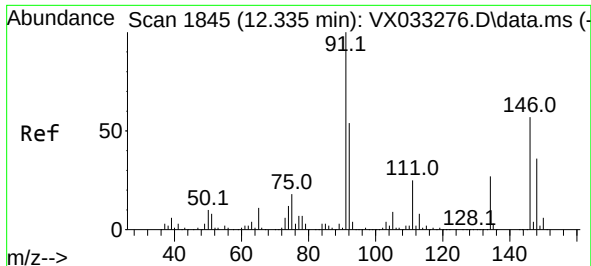
Tgt Ion:105 Resp: 17574
 Ion Ratio Lower Upper
 105 100
 134 23.5 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 2.018 ug/l
 RT: 12.012 min Scan# 1792
 Delta R.T. 0.000 min
 Lab File: VX033348.D
 Acq: 09 Dec 2022 15:27

Tgt Ion:119 Resp: 12721
 Ion Ratio Lower Upper
 119 100
 134 27.4 12.9 38.7
 91 29.2 12.5 37.5





#89

n-Butylbenzene

Concen: 7.919 ug/l

RT: 12.323 min Scan# 1845

Delta R.T. -0.012 min

Lab File: VX033348.D

Acq: 09 Dec 2022 15:27

Instrument :

MSVOA_X

ClientSampleId :

1921

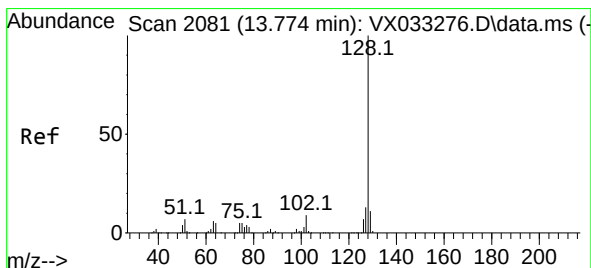
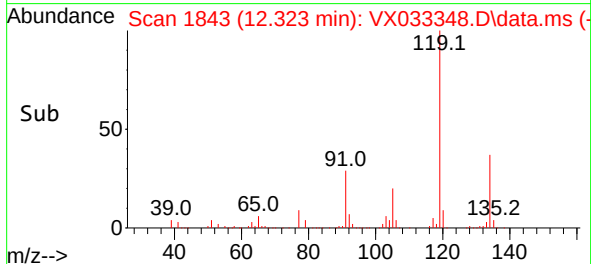
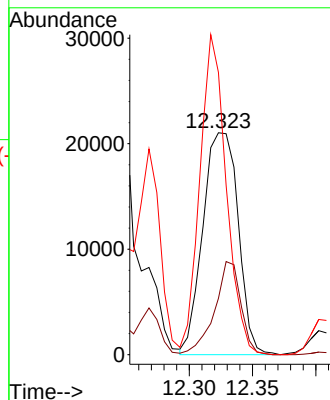
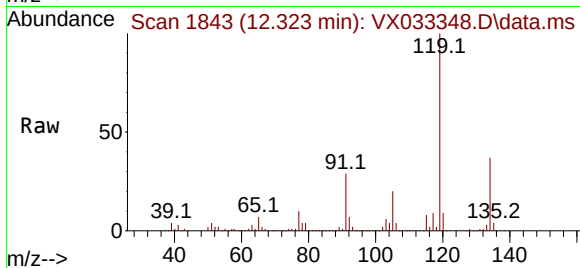
Tgt Ion: 91 Resp: 40874

Ion Ratio Lower Upper

91 100

92 31.2 26.2 78.6

134 107.8 12.9 38.6#



#95

Naphthalene

Concen: 21.001 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX033348.D

Acq: 09 Dec 2022 15:27

Tgt Ion:128 Resp: 146037

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

129 11.7 8.9 13.3

