

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051023\
 Data File : VX035596.D
 Acq On : 10 May 2023 19:06
 Operator : JC/MD
 Sample : 02742-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 14-051023

Quant Time: May 11 04:30:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:31:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	327547	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	528564	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	494331	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	255480	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	168099	42.539	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	85.080%
35) Dibromofluoromethane	5.385	113	162788	50.179	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.360%
50) Toluene-d8	8.647	98	613404	50.123	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.240%
62) 4-Bromofluorobenzene	11.079	95	248245	53.922	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	107.840%

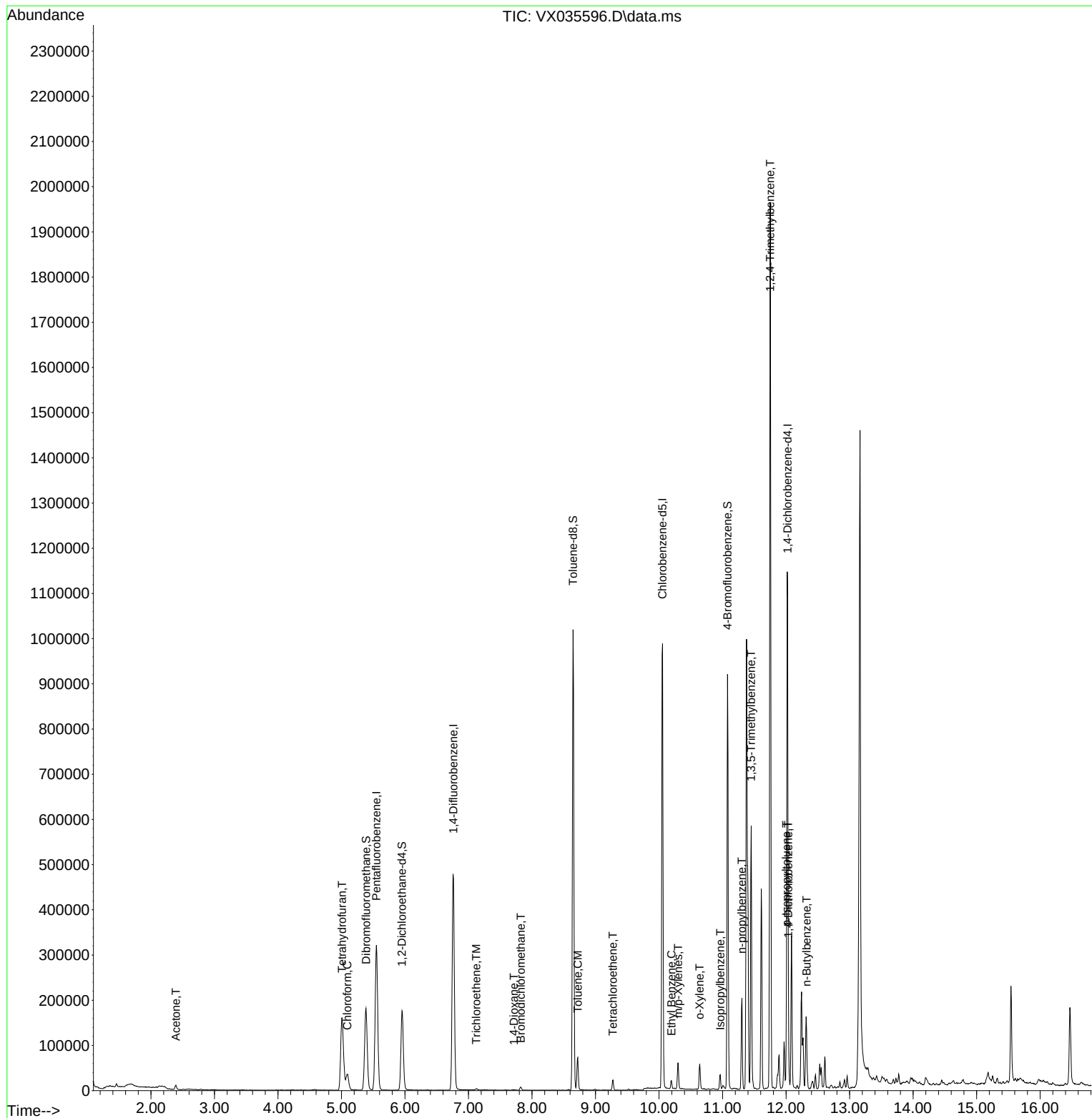
Target Compounds						Qvalue
16) Acetone	2.392	43	11671	6.800	ug/l	95
29) Tetrahydrofuran	5.007	42	160105	99.700	ug/l	93
30) Chloroform	5.093	83	41729	6.624	ug/l	100
44) Trichloroethene	7.123	130	906	0.226	ug/l	99
47) Bromodichloromethane	7.824	83	4805	1.037	ug/l #	95
49) 1,4-Dioxane	7.714	88	1227	13.200	ug/l #	61
52) Toluene	8.720	92	28078	3.048	ug/l	97
64) Tetrachloroethene	9.275	164	4634	1.224	ug/l	95
67) Ethyl Benzene	10.195	91	10094	0.545	ug/l #	87
68) m/p-Xylenes	10.299	106	13902	1.959	ug/l	92
69) o-Xylene	10.640	106	12116	1.741	ug/l	98
73) Isopropylbenzene	10.963	105	17572	0.941	ug/l	98
78) n-propylbenzene	11.305	91	126015	5.875	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	250445	15.904	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	839992	53.090	ug/l	97
86) p-Isopropyltoluene	12.006	119	24428	1.482	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	19456	2.103	ug/l	92
89) n-Butylbenzene	12.323	91	20572	1.478	ug/l #	15

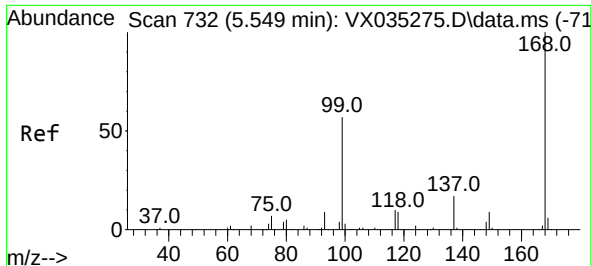
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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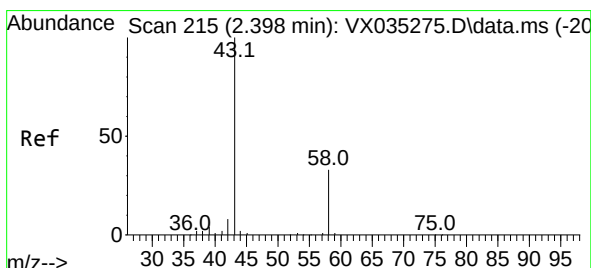
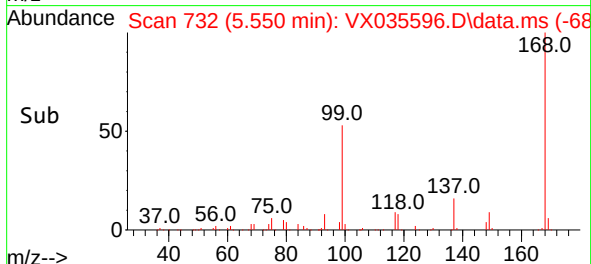
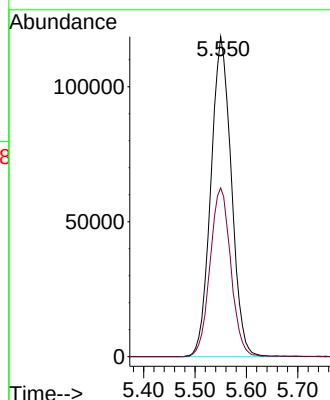
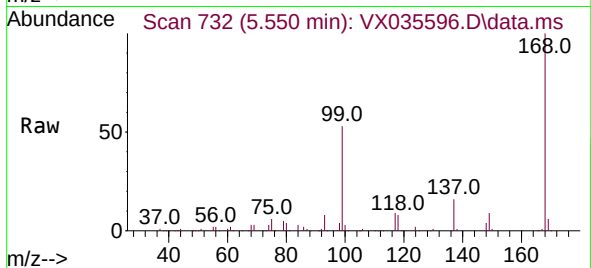




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX035596.D
Acq: 10 May 2023 19:06

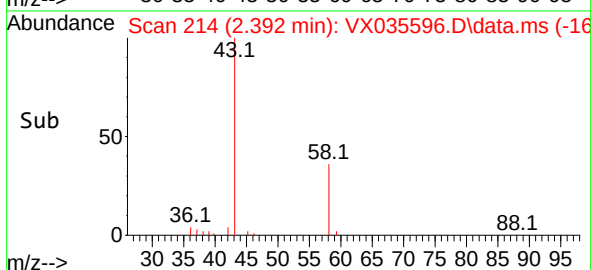
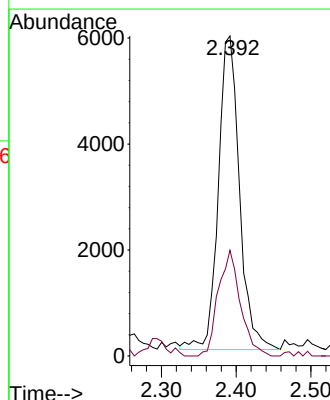
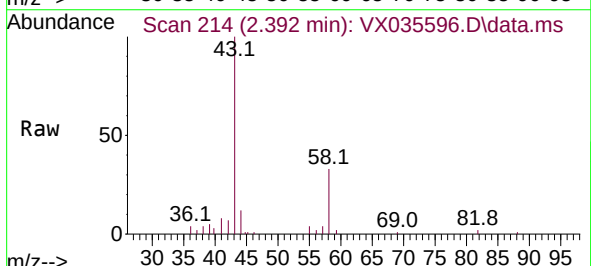
Instrument :
MSVOA_X
ClientSampleId :
14-051023

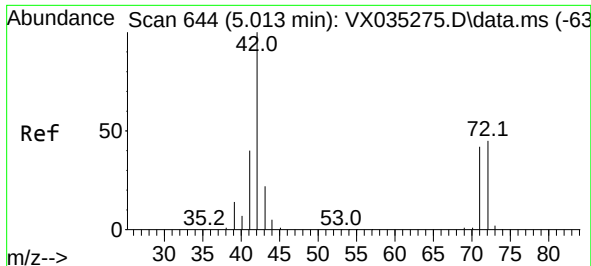
Tgt Ion:168 Resp: 327547
Ion Ratio Lower Upper
168 100
99 52.8 45.7 68.5



#16
Acetone
Concen: 6.800 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX035596.D
Acq: 10 May 2023 19:06

Tgt Ion: 43 Resp: 11671
Ion Ratio Lower Upper
43 100
58 33.7 24.7 37.1





#29

Tetrahydrofuran

Concen: 99.700 ug/l

RT: 5.007 min Scan# 644

Delta R.T. -0.006 min

Lab File: VX035596.D

Acq: 10 May 2023 19:06

Instrument :

MSVOA_X

ClientSampleId :

14-051023

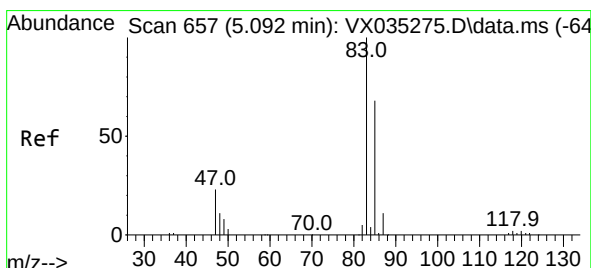
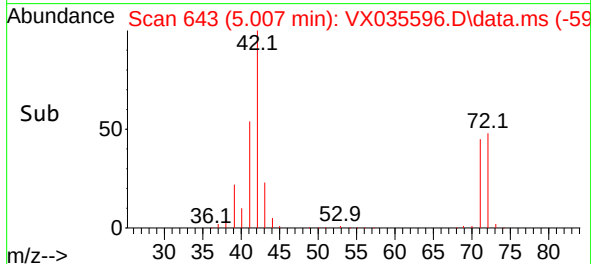
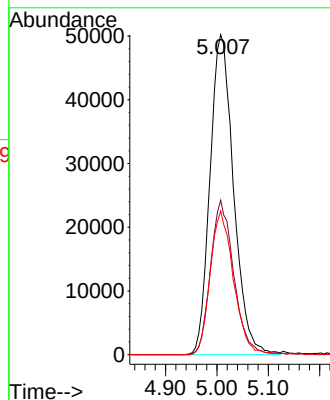
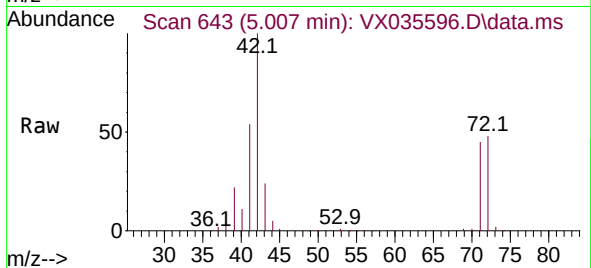
Tgt Ion: 42 Resp: 160105

Ion Ratio Lower Upper

42 100

72 47.2 34.5 51.7

71 44.3 32.1 48.1



#30

Chloroform

Concen: 6.624 ug/l

RT: 5.093 min Scan# 657

Delta R.T. 0.001 min

Lab File: VX035596.D

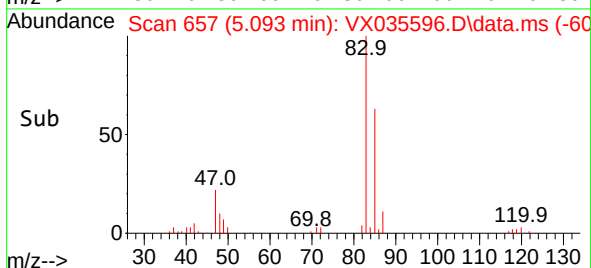
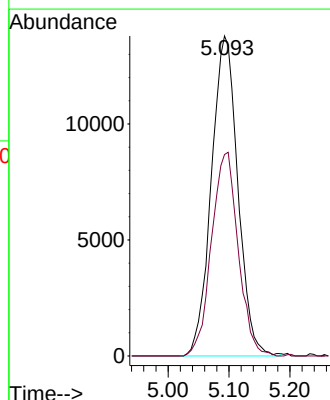
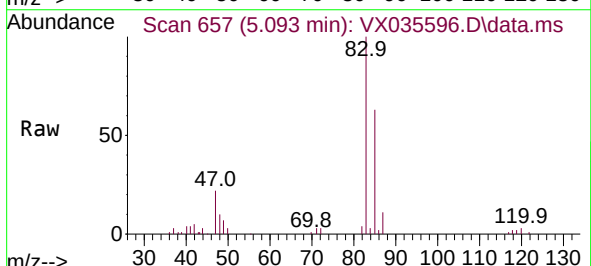
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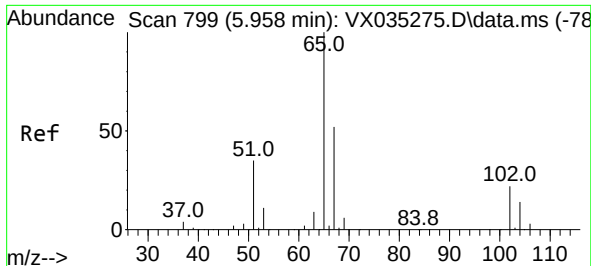
Tgt Ion: 83 Resp: 41729

Ion Ratio Lower Upper

83 100

85 63.0 50.6 76.0





#33

1,2-Dichloroethane-d4

Concen: 42.539 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX035596.D

Acq: 10 May 2023 19:06

Instrument :

MSVOA_X

ClientSampleId :

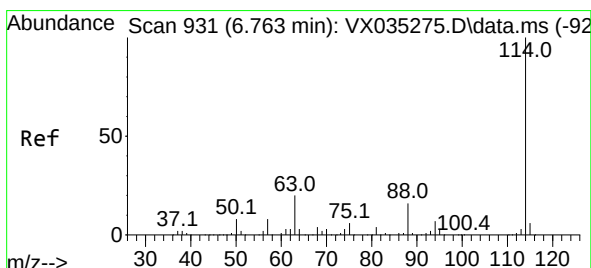
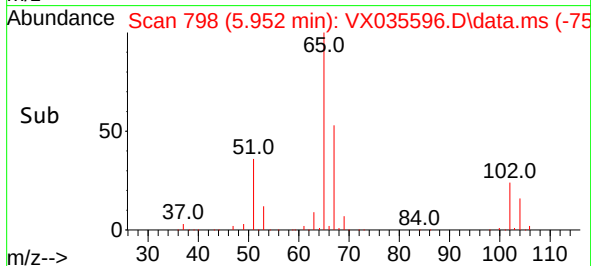
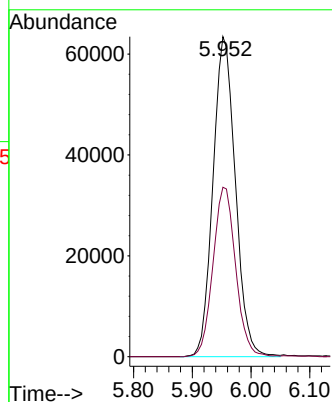
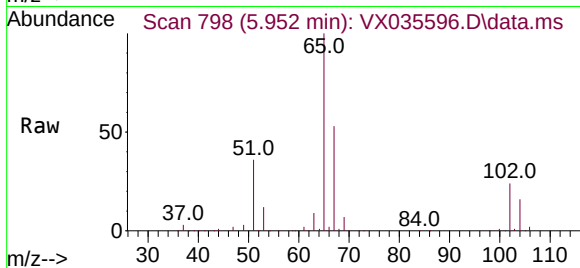
14-051023

Tgt Ion: 65 Resp: 168099

Ion Ratio Lower Upper

65 100

67 53.5 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX035596.D

Acq: 10 May 2023 19:06

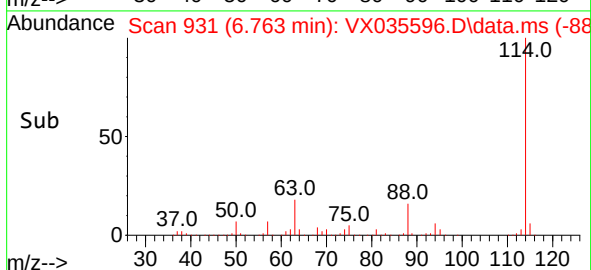
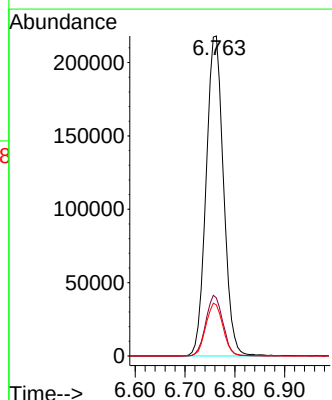
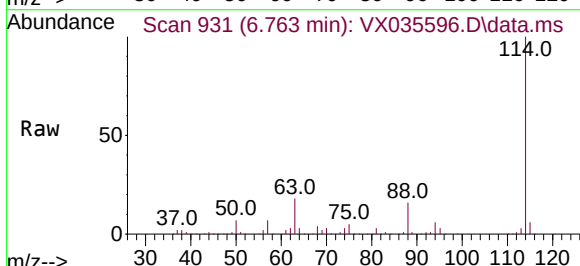
Tgt Ion: 114 Resp: 528564

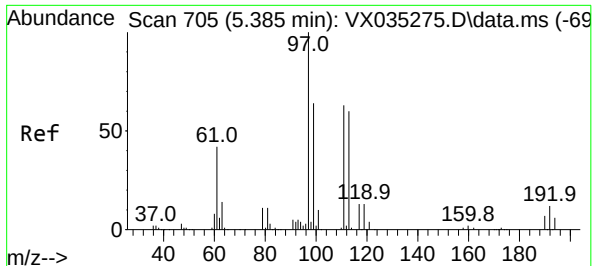
Ion Ratio Lower Upper

114 100

63 18.2 0.0 42.2

88 16.0 0.0 33.2

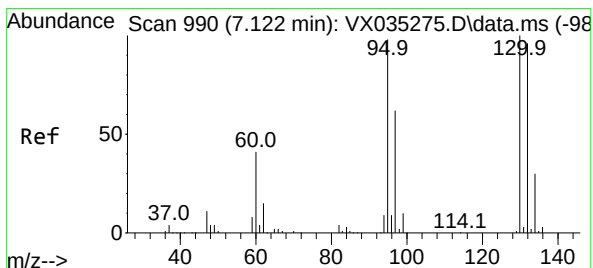
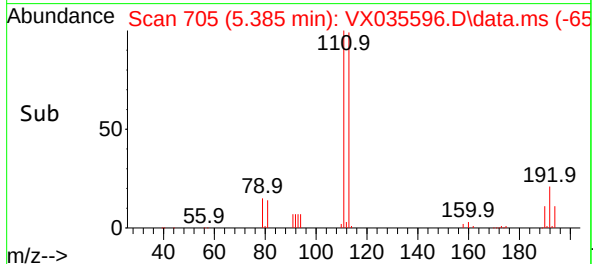
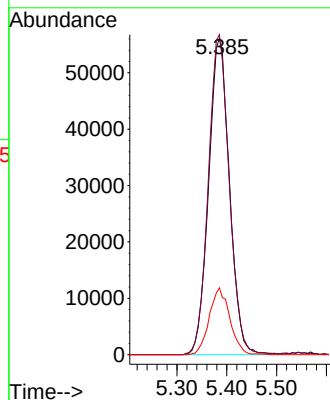
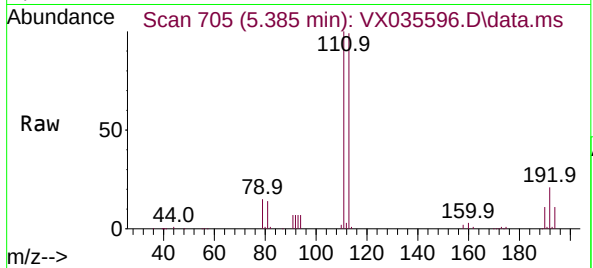




#35
 Dibromofluoromethane
 Concen: 50.179 ug/l
 RT: 5.385 min Scan# 705
 Delta R.T. 0.000 min
 Lab File: VX035596.D
 Acq: 10 May 2023 19:06

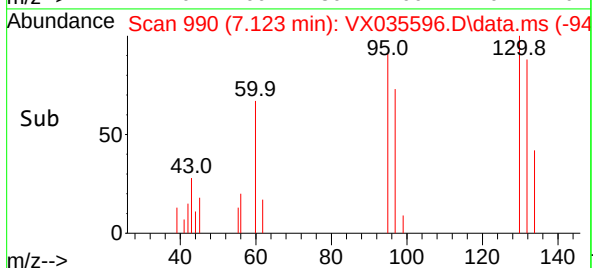
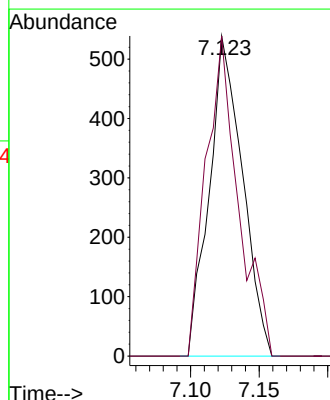
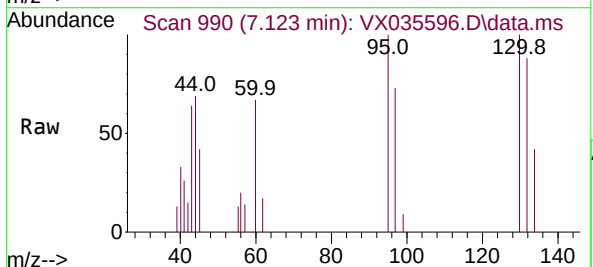
Instrument :
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 14-051023

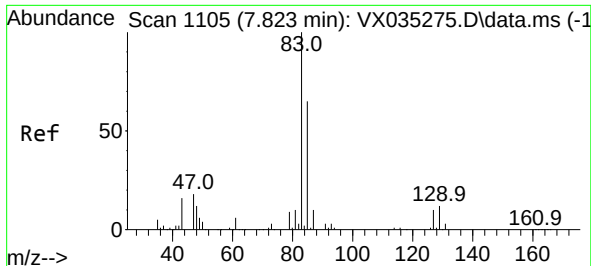
Tgt Ion:113 Resp: 162788
 Ion Ratio Lower Upper
 113 100
 111 101.7 83.7 125.5
 192 20.9 15.4 23.2



#44
 Trichloroethene
 Concen: 0.226 ug/l
 RT: 7.123 min Scan# 990
 Delta R.T. 0.001 min
 Lab File: VX035596.D
 Acq: 10 May 2023 19:06

Tgt Ion:130 Resp: 906
 Ion Ratio Lower Upper
 130 100
 95 100.0 0.0 198.4

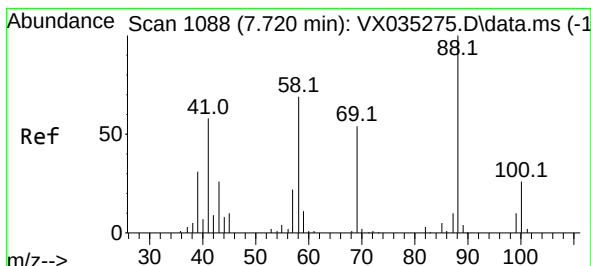
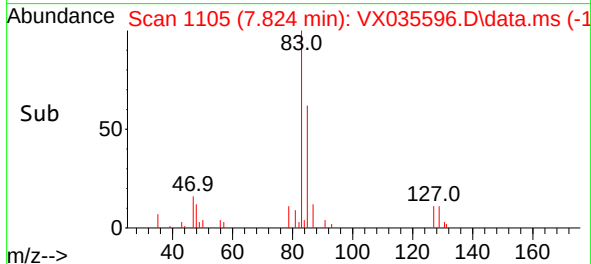
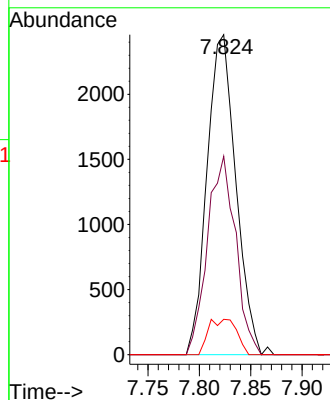
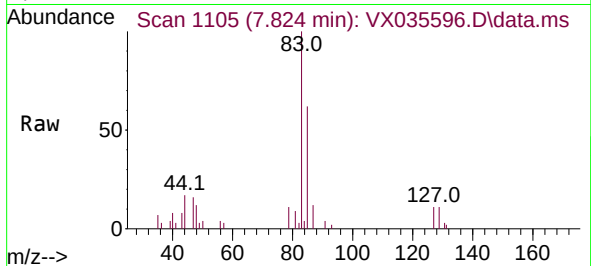




#47
Bromodichloromethane
Concen: 1.037 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.001 min
Lab File: VX035596.D
Acq: 10 May 2023 19:06

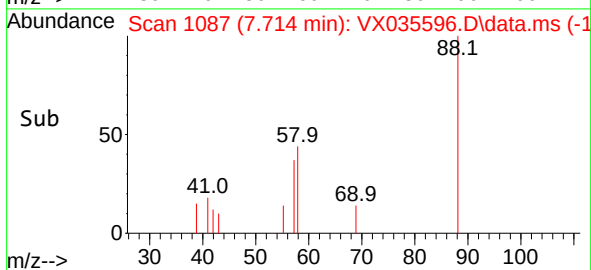
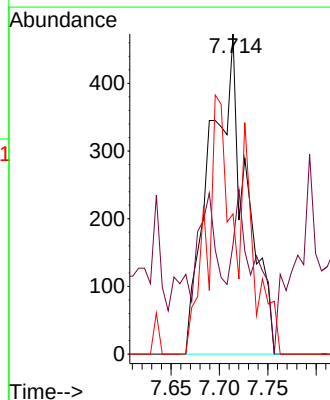
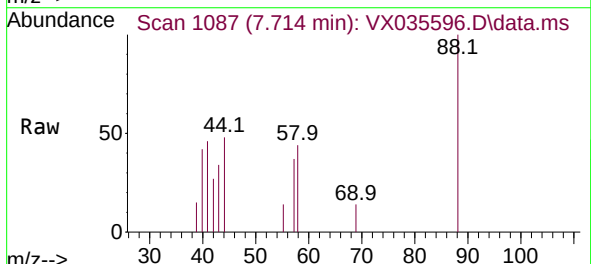
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14-051023

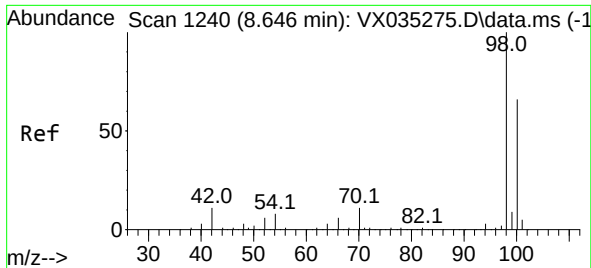
Tgt Ion: 83 Resp: 4805
Ion Ratio Lower Upper
83 100
85 62.0 52.2 78.4
127 11.1 6.6 9.8#



#49
1,4-Dioxane
Concen: 13.200 ug/l
RT: 7.714 min Scan# 1087
Delta R.T. -0.006 min
Lab File: VX035596.D
Acq: 10 May 2023 19:06

Tgt Ion: 88 Resp: 1227
Ion Ratio Lower Upper
88 100
43 31.3 27.7 41.5
58 25.8 56.8 85.2#

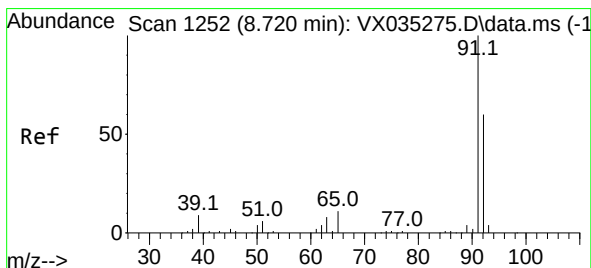
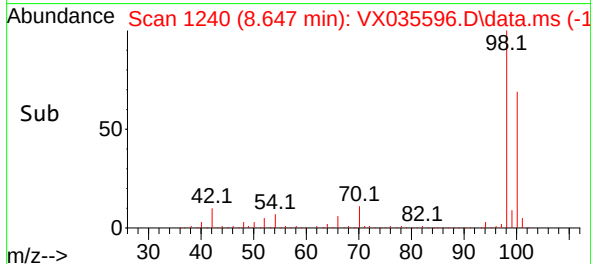
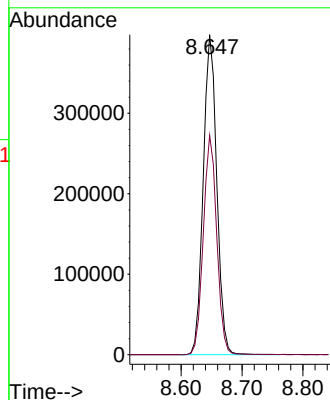
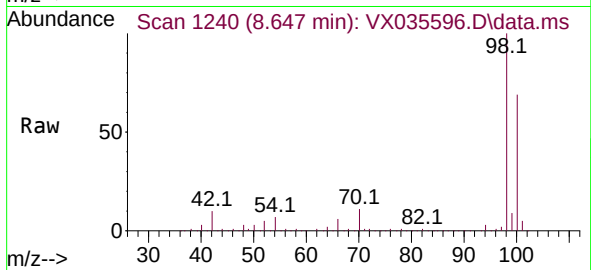




#50
Toluene-d8
Concen: 50.123 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX035596.D
Acq: 10 May 2023 19:06

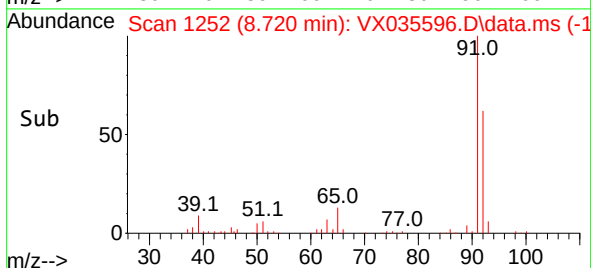
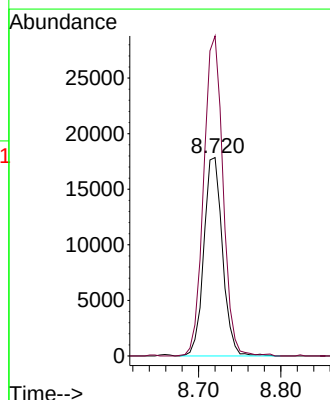
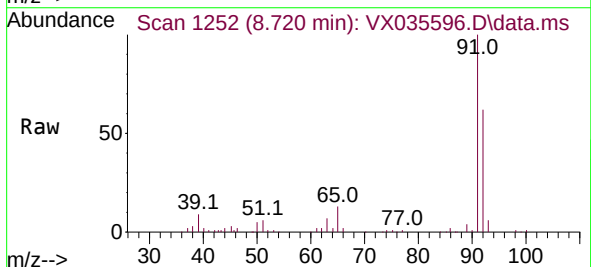
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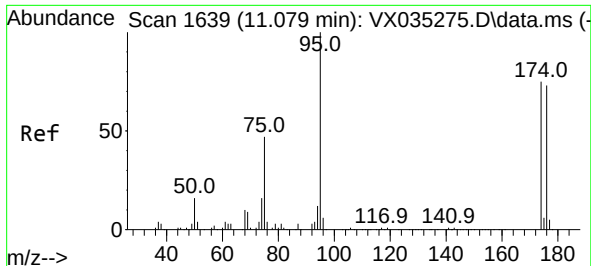
Tgt Ion: 98 Resp: 613404
Ion Ratio Lower Upper
98 100
100 68.1 52.5 78.7



#52
Toluene
Concen: 3.048 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX035596.D
Acq: 10 May 2023 19:06

Tgt Ion: 92 Resp: 28078
Ion Ratio Lower Upper
92 100
91 166.8 136.8 205.2

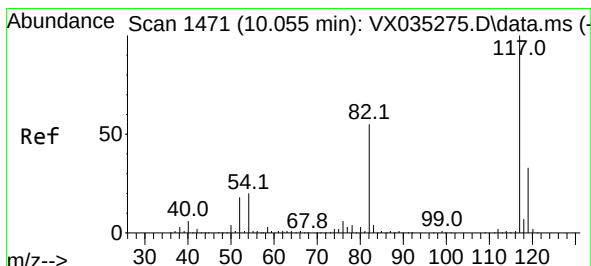
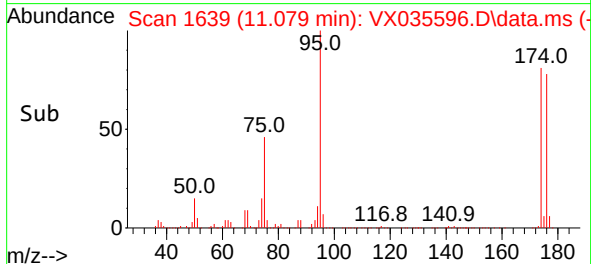
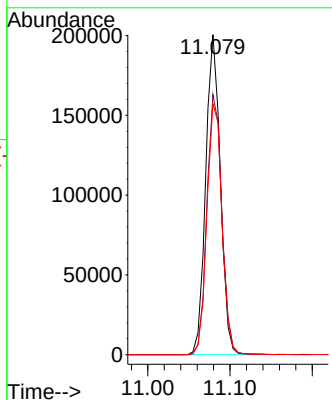
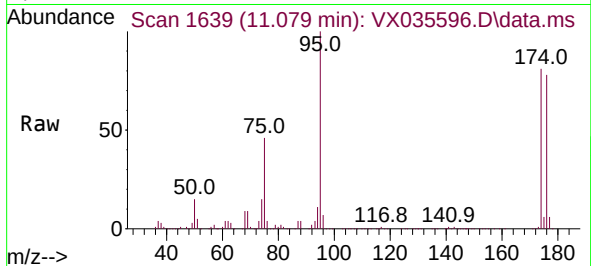




#62
4-Bromofluorobenzene
Concen: 53.922 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX035596.D
Acq: 10 May 2023 19:06

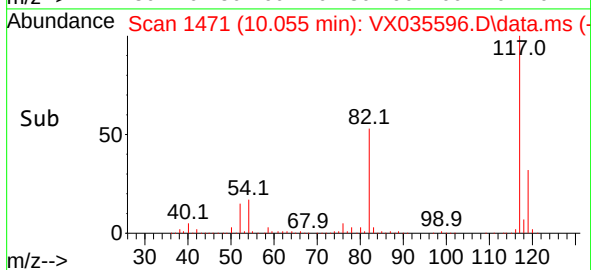
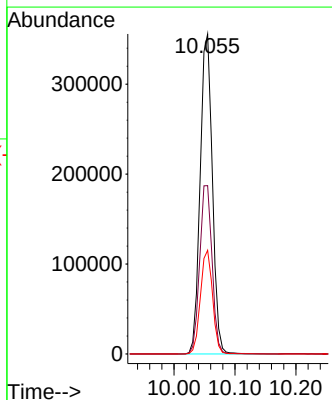
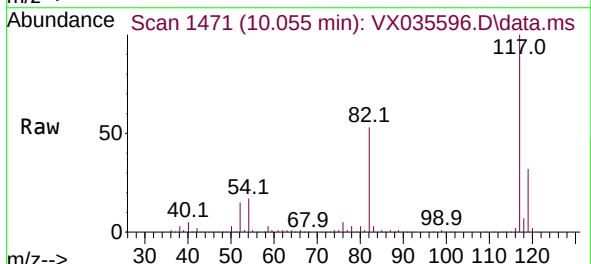
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MSVOA_X
ClientSampleId :
14-051023

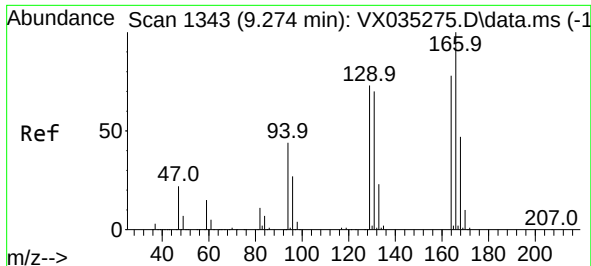
Tgt Ion: 95 Resp: 248245
Ion Ratio Lower Upper
95 100
174 83.1 0.0 147.4
176 80.6 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX035596.D
Acq: 10 May 2023 19:06

Tgt Ion: 117 Resp: 494331
Ion Ratio Lower Upper
117 100
82 52.6 45.0 67.4
119 32.4 26.0 39.0





#64

Tetrachloroethene

Concen: 1.224 ug/l

RT: 9.275 min Scan# 11

Delta R.T. 0.001 min

Lab File: VX035596.D

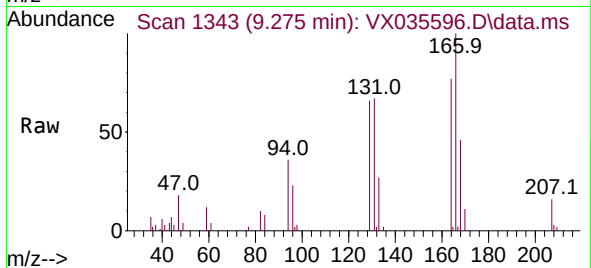
Acq: 10 May 2023 19:06

Instrument :

MSVOA_X

ClientSampleId :

14-051023



Tgt Ion:164 Resp: 4634

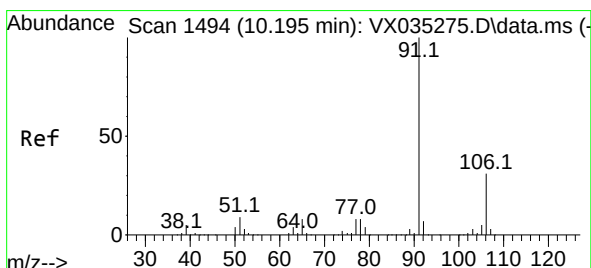
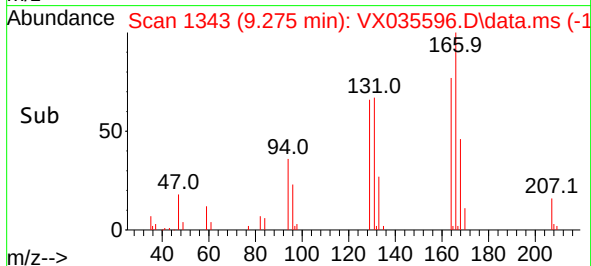
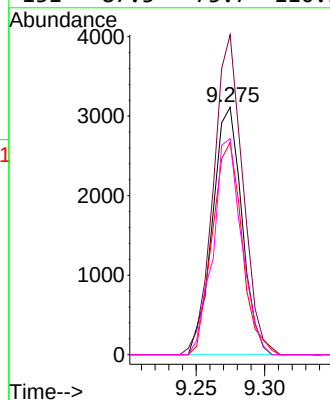
Ion Ratio Lower Upper

164 100

166 129.3 102.7 154.1

129 85.7 75.6 113.4

131 87.3 73.7 110.5



#67

Ethyl Benzene

Concen: 0.545 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX035596.D

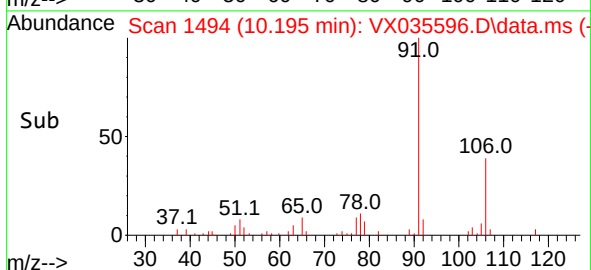
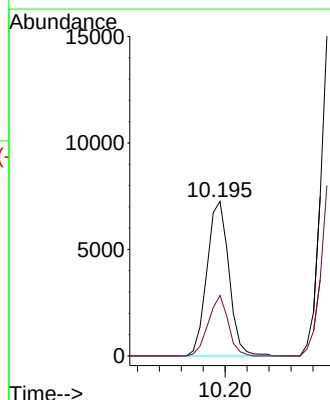
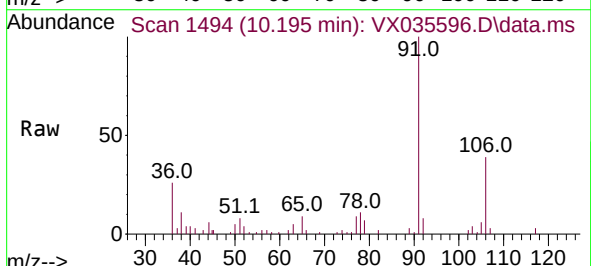
Acq: 10 May 2023 19:06

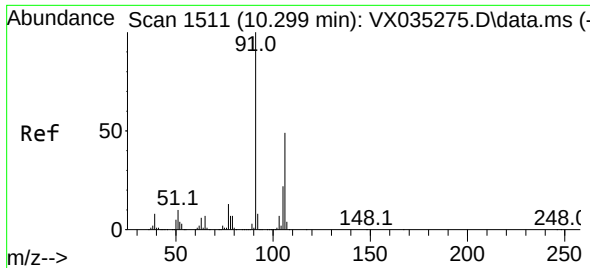
Tgt Ion: 91 Resp: 10094

Ion Ratio Lower Upper

91 100

106 39.1 25.6 38.4#

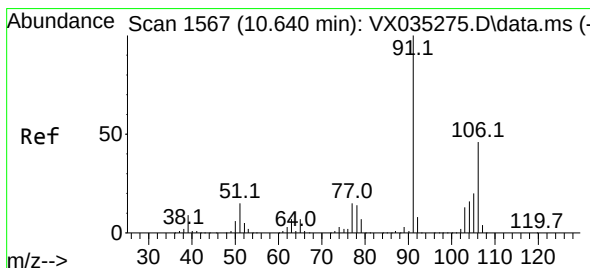
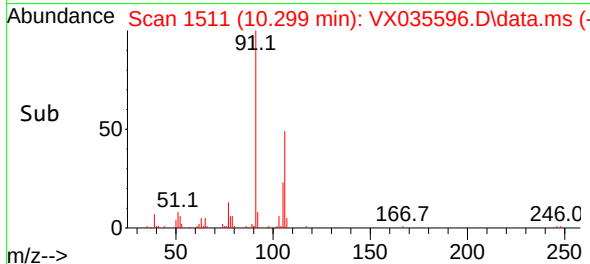
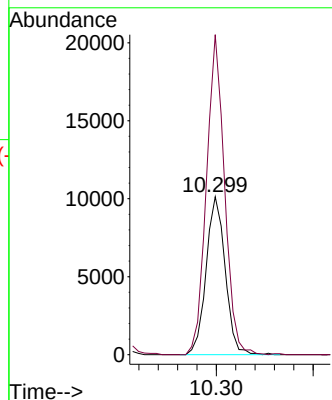
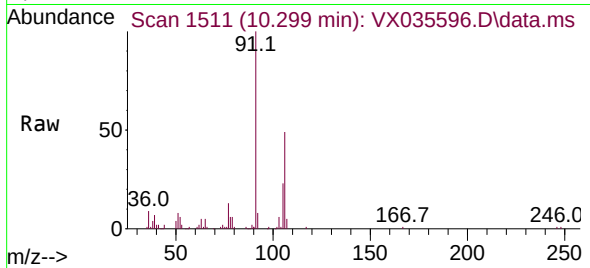




#68
m/p-Xylenes
Concen: 1.959 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX035596.D
Acq: 10 May 2023 19:06

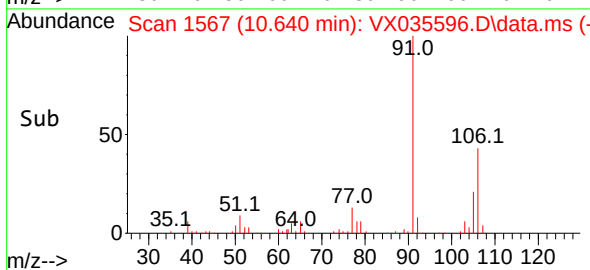
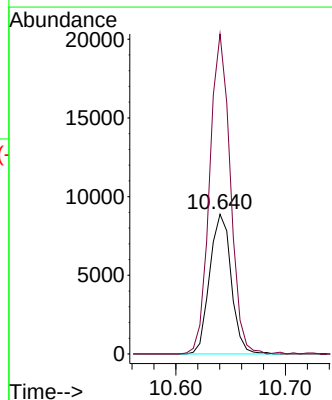
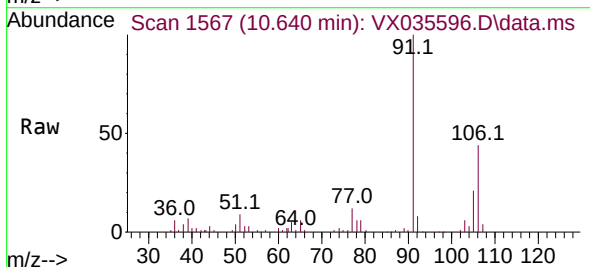
Instrument :
MSVOA_X
ClientSampleId :
14-051023

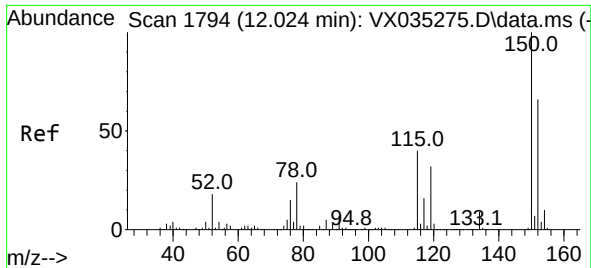
Tgt Ion:106 Resp: 13902
Ion Ratio Lower Upper
106 100
91 192.2 164.0 246.0



#69
o-Xylene
Concen: 1.741 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX035596.D
Acq: 10 May 2023 19:06

Tgt Ion:106 Resp: 12116
Ion Ratio Lower Upper
106 100
91 219.5 108.5 325.3

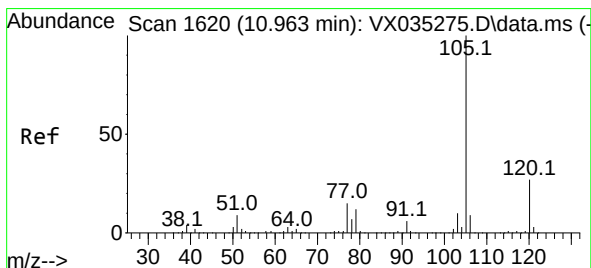
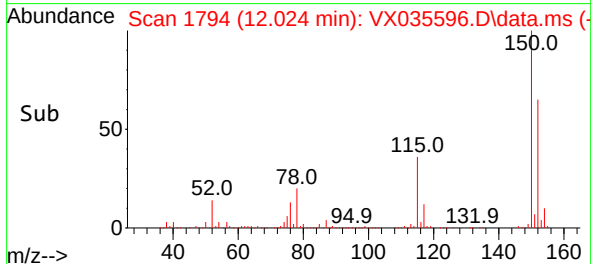
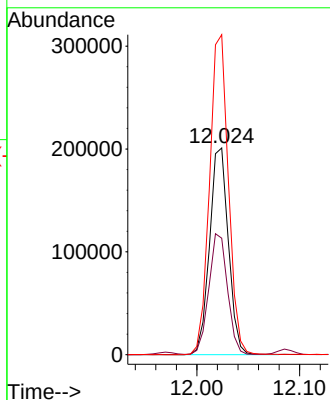
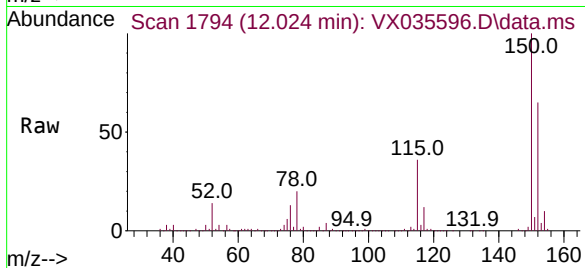




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX035596.D
Acq: 10 May 2023 19:06

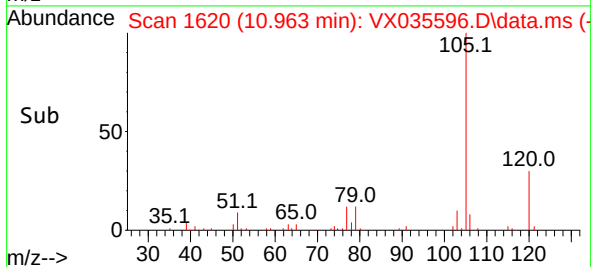
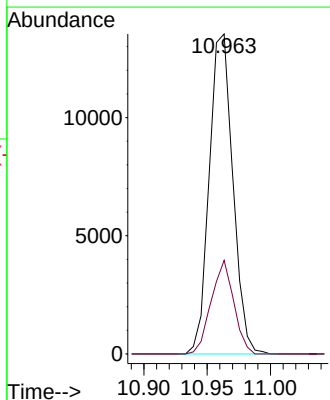
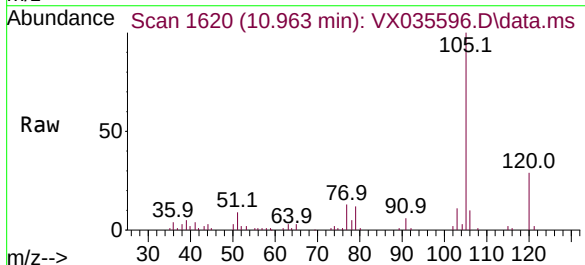
Instrument :
MSVOA_X
ClientSampleId :
14-051023

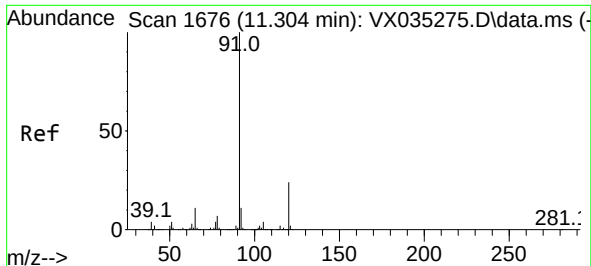
Tgt Ion:152 Resp: 255480
Ion Ratio Lower Upper
152 100
115 57.9 45.0 135.0
150 154.9 0.0 352.4



#73
Isopropylbenzene
Concen: 0.941 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX035596.D
Acq: 10 May 2023 19:06

Tgt Ion:105 Resp: 17572
Ion Ratio Lower Upper
105 100
120 27.9 13.3 39.9

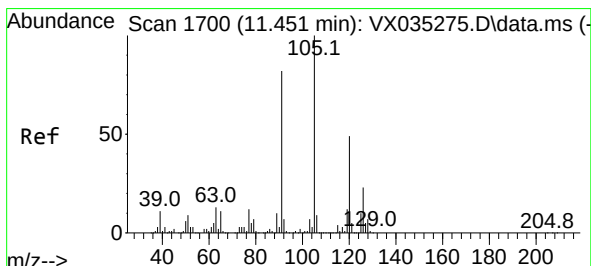
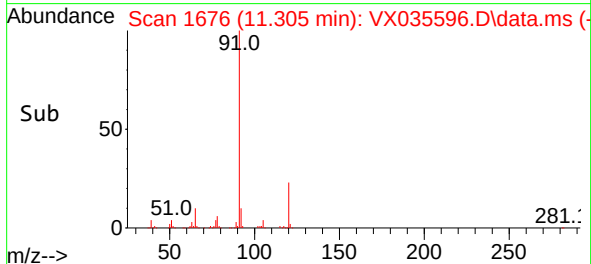
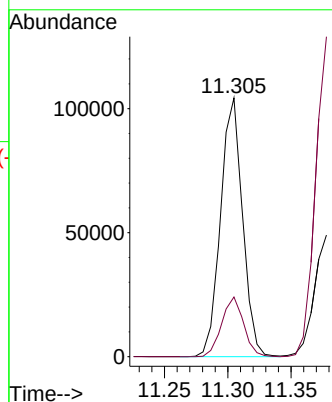
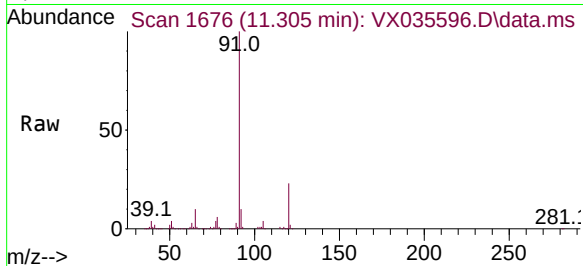




#78
n-propylbenzene
Concen: 5.875 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.001 min
Lab File: VX035596.D
Acq: 10 May 2023 19:06

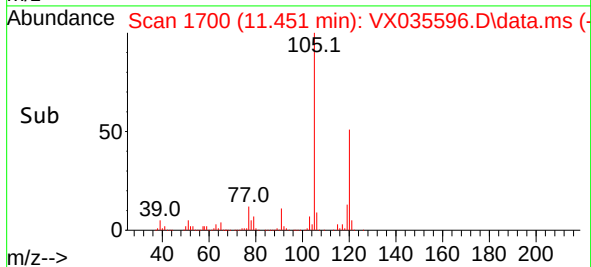
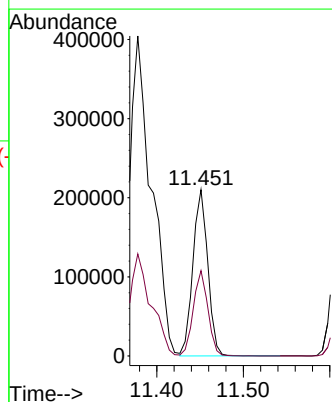
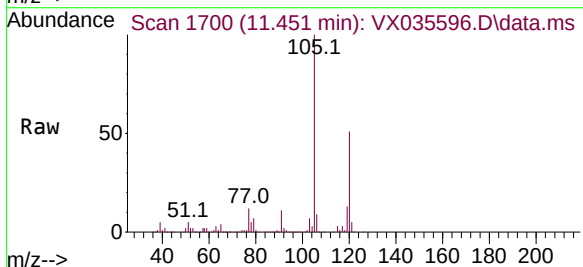
Instrument :
MSVOA_X
ClientSampleId :
14-051023

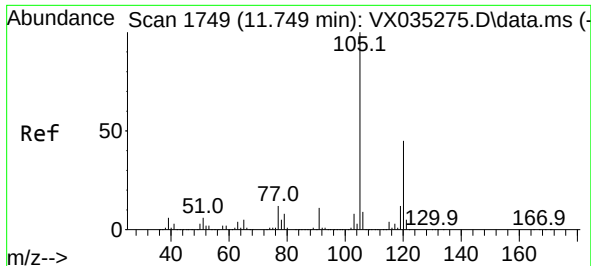
Tgt Ion: 91 Resp: 126015
Ion Ratio Lower Upper
91 100
120 23.0 11.5 34.5



#80
1,3,5-Trimethylbenzene
Concen: 15.904 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX035596.D
Acq: 10 May 2023 19:06

Tgt Ion: 105 Resp: 250445
Ion Ratio Lower Upper
105 100
120 50.5 23.7 71.1

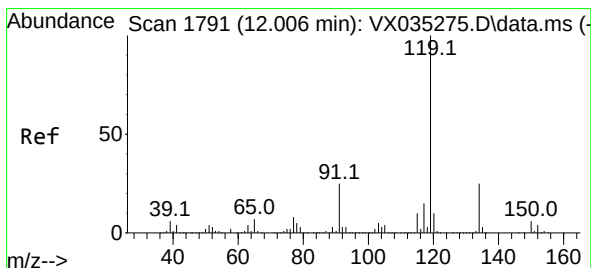
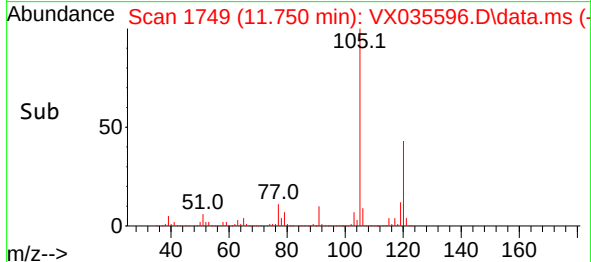
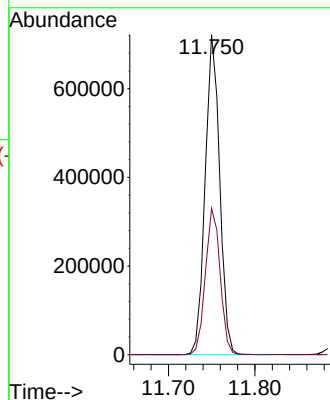
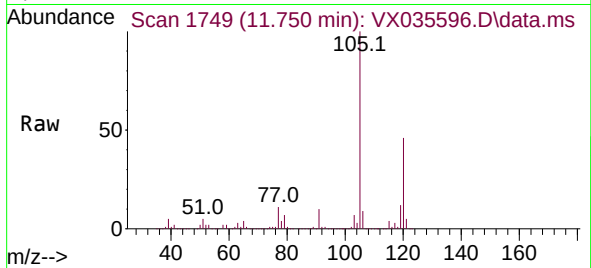




#84
1,2,4-Trimethylbenzene
Concen: 53.090 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.001 min
Lab File: VX035596.D
Acq: 10 May 2023 19:06

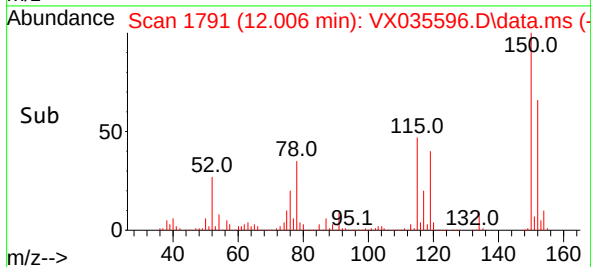
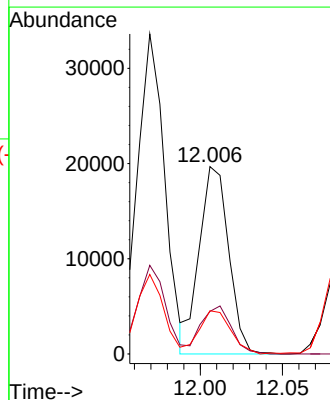
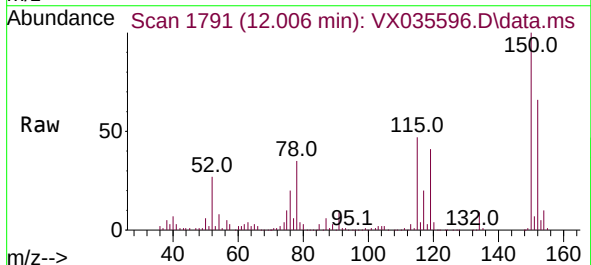
Instrument :
MSVOA_X
ClientSampleId :
14-051023

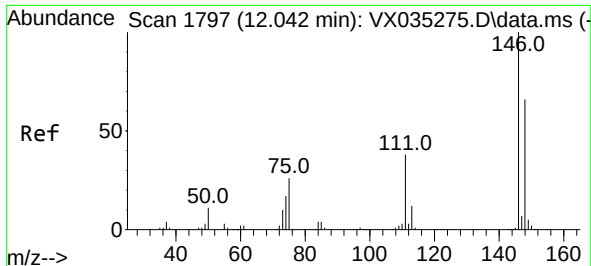
Tgt Ion:105 Resp: 839992
Ion Ratio Lower Upper
105 100
120 46.5 22.4 67.0



#86
p-Isopropyltoluene
Concen: 1.482 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX035596.D
Acq: 10 May 2023 19:06

Tgt Ion:119 Resp: 24428
Ion Ratio Lower Upper
119 100
134 25.6 13.2 39.5
91 24.2 12.9 38.7





#88

1,4-Dichlorobenzene

Concen: 2.103 ug/l

RT: 12.036 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX035596.D

Acq: 10 May 2023 19:06

Instrument :

MSVOA_X

ClientSampleId :

14-051023

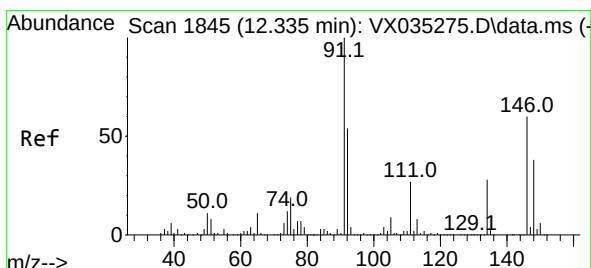
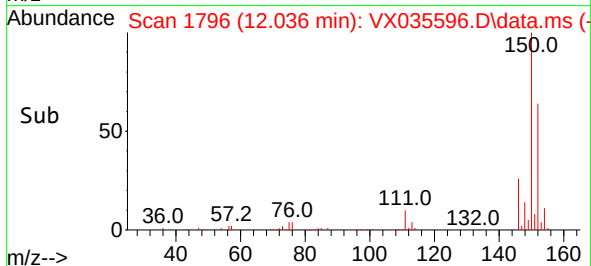
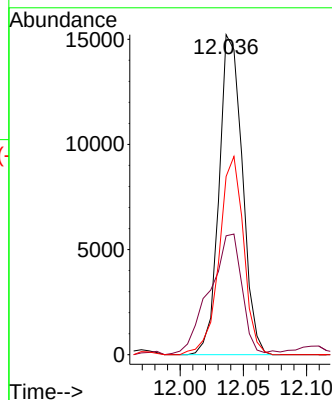
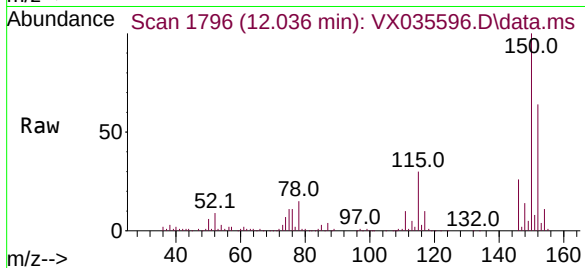
Tgt Ion:146 Resp: 19456

Ion Ratio Lower Upper

146 100

111 52.5 20.6 61.9

148 64.8 31.8 95.4



#89

n-Butylbenzene

Concen: 1.478 ug/l

RT: 12.323 min Scan# 1843

Delta R.T. -0.012 min

Lab File: VX035596.D

Acq: 10 May 2023 19:06

Tgt Ion: 91 Resp: 20572

Ion Ratio Lower Upper

91 100

92 29.9 27.7 83.0

134 122.7 13.0 38.9#

