

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120822\
 Data File : VX033328.D
 Acq On : 08 Dec 2022 17:04
 Operator : JC/MD
 Sample : N5890-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1920

Quant Time: Dec 09 00:50:05 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)

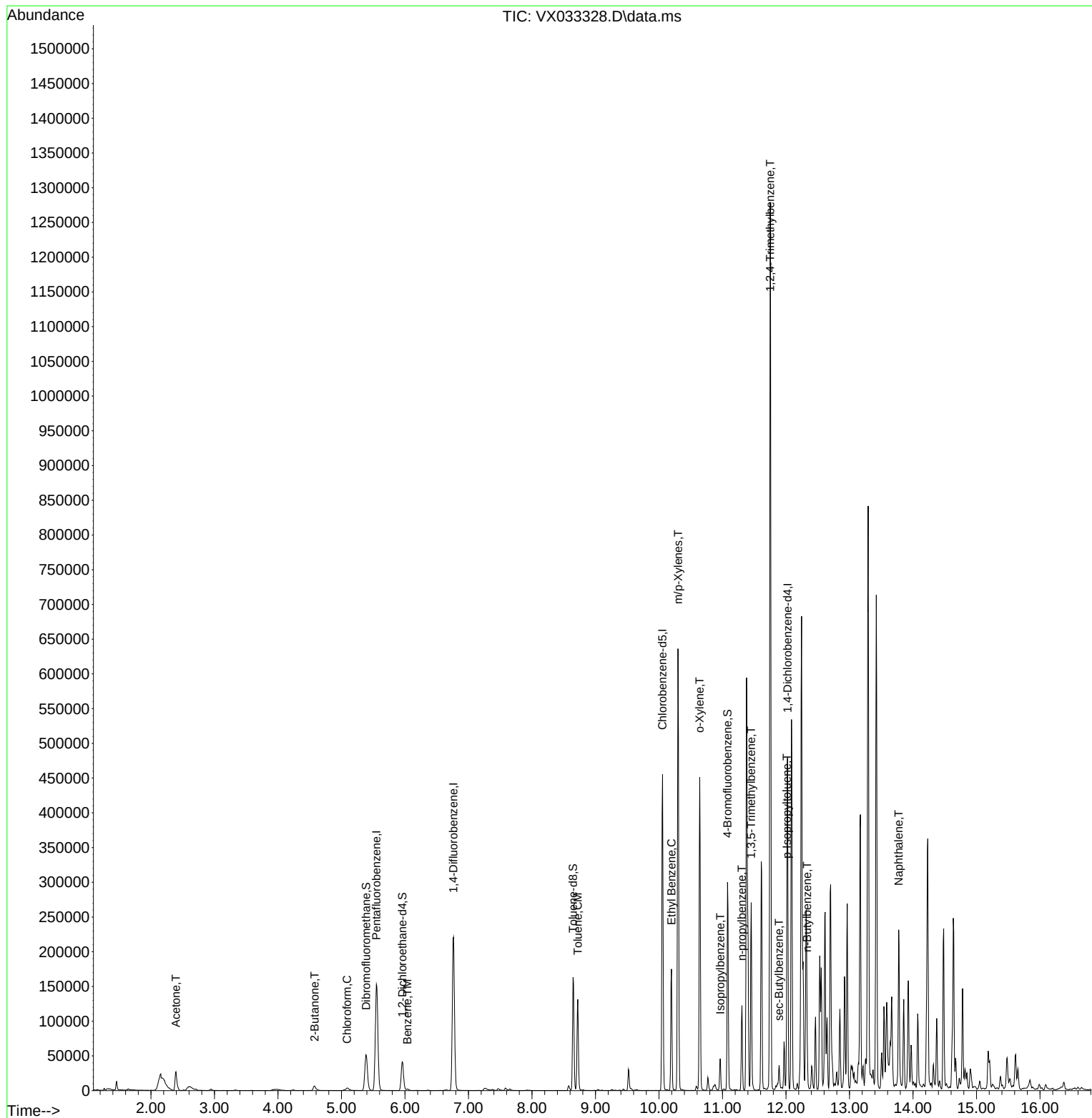
Internal Standards						
1) Pentafluorobenzene	5.550	168	145418	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	234670	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	206576	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	101535	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	42608	45.672	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	91.340%	
35) Dibromofluoromethane	5.385	113	46289	43.855	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	87.720%	
50) Toluene-d8	8.647	98	98456	44.590	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	89.180%#	
62) 4-Bromofluorobenzene	11.079	95	77155	45.700	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	91.400%	
Target Compounds						
						Qvalue
16) Acetone	2.392	43	33716	48.841	ug/l	97
25) 2-Butanone	4.574	43	12193	12.305	ug/l	95
30) Chloroform	5.087	83	3480	1.183	ug/l	84
40) Benzene	6.038	78	2499	0.416	ug/l	95
52) Toluene	8.720	92	49145	12.668	ug/l	100
67) Ethyl Benzene	10.195	91	99858	13.702	ug/l	99
68) m/p-Xylenes	10.299	106	142062	50.102	ug/l	100
69) o-Xylene	10.640	106	95991	34.250	ug/l	98
73) Isopropylbenzene	10.964	105	23230	3.157	ug/l	99
78) n-propylbenzene	11.305	91	74279	9.039	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	114515	18.693	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	557273	91.132	ug/l	98
85) sec-Butylbenzene	11.890	105	17079	2.396	ug/l	90
86) p-Isopropyltoluene	12.012	119	11844	1.927	ug/l	94
89) n-Butylbenzene	12.329	91	40170	7.982	ug/l #	28
95) Naphthalene	13.774	128	142972	21.087	ug/l	99

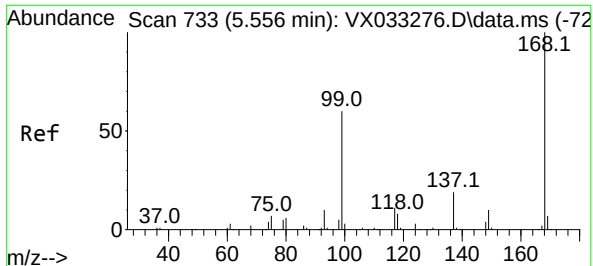
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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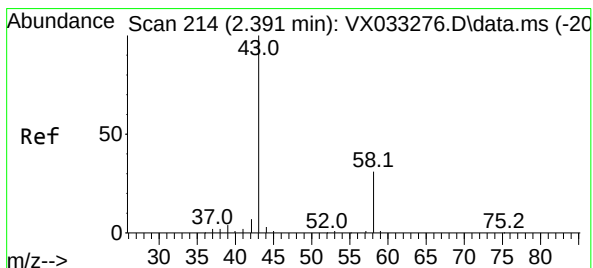
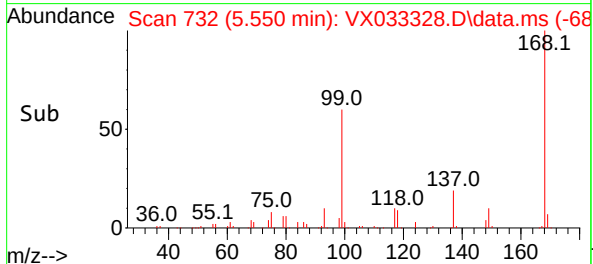
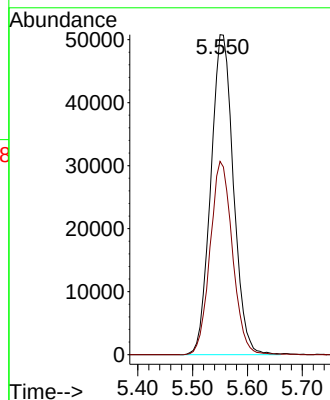
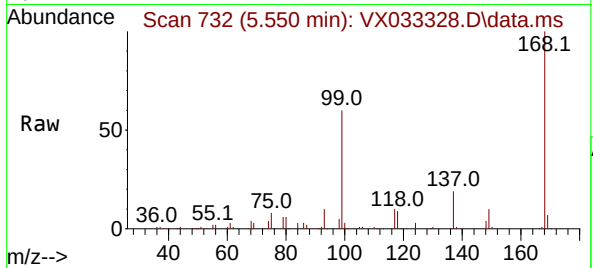




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX033328.D
Acq: 08 Dec 2022 17:04

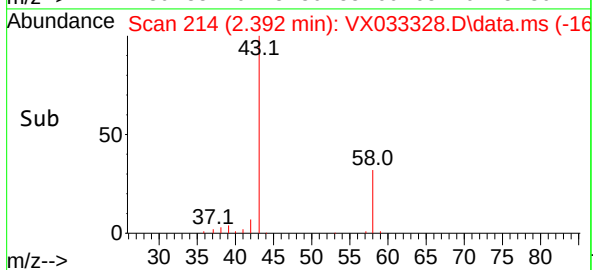
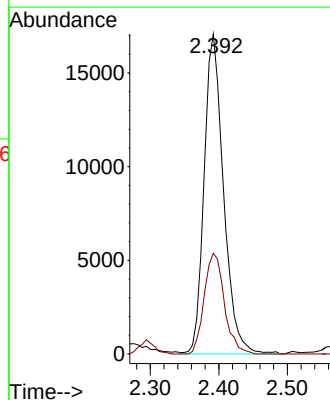
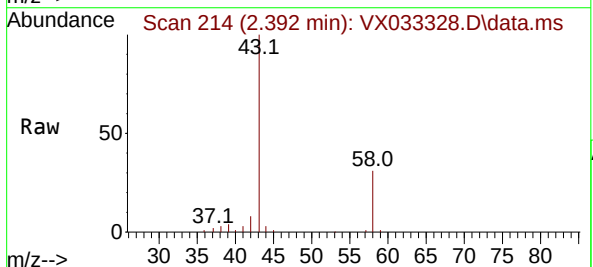
Instrument :
MSVOA_X
ClientSampleId :
1920

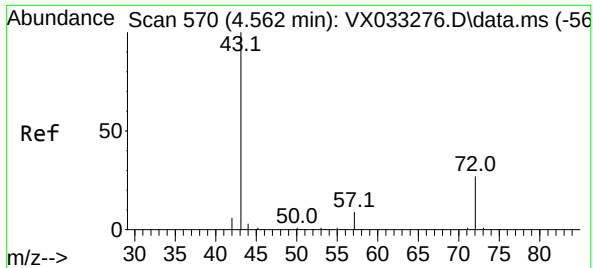
Tgt Ion:168 Resp: 145418
Ion Ratio Lower Upper
168 100
99 60.4 46.1 69.1



#16
Acetone
Concen: 48.841 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX033328.D
Acq: 08 Dec 2022 17:04

Tgt Ion: 43 Resp: 33716
Ion Ratio Lower Upper
43 100
58 31.4 23.8 35.8

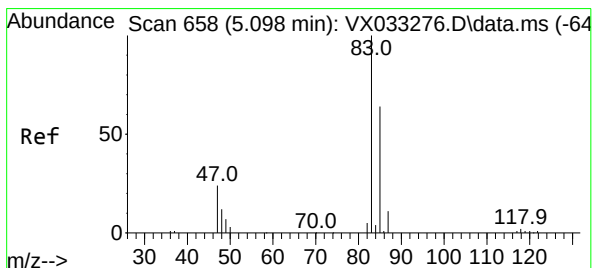
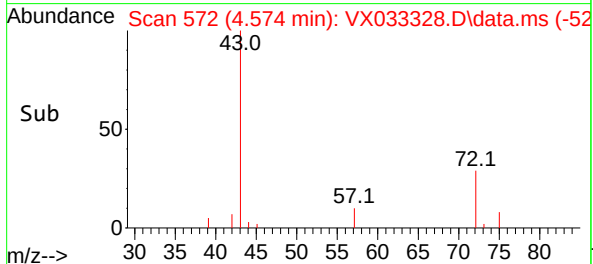
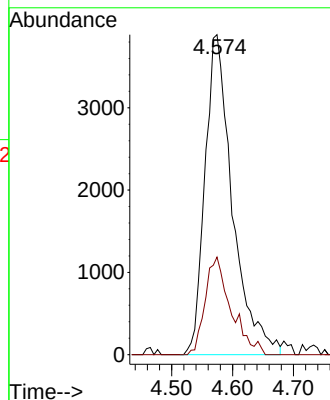
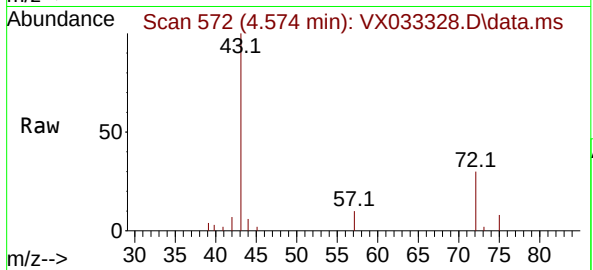




#25
2-Butanone
Concen: 12.305 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.013 min
Lab File: VX033328.D
Acq: 08 Dec 2022 17:04

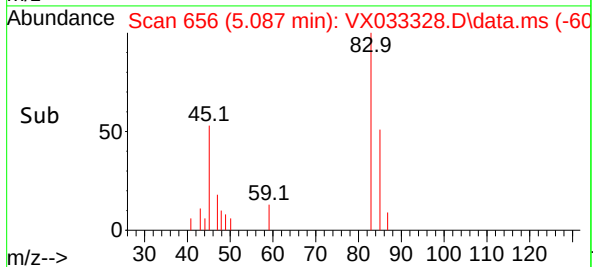
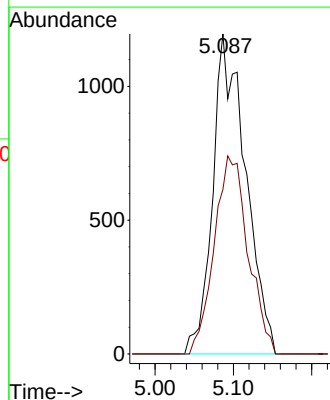
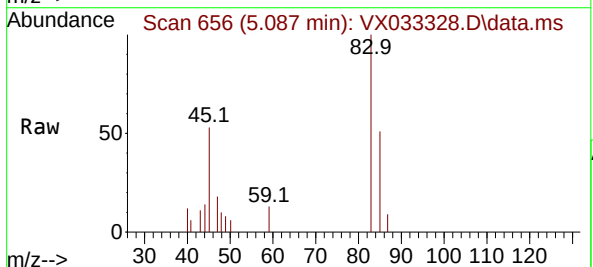
Instrument :
MSVOA_X
ClientSampleId :
1920

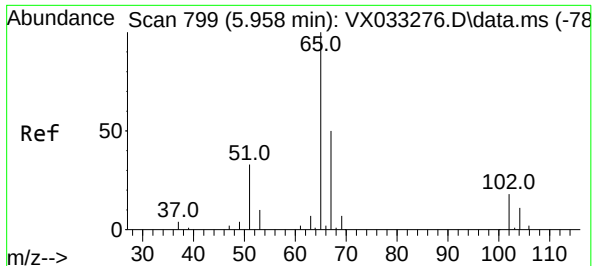
Tgt Ion: 43 Resp: 12193
Ion Ratio Lower Upper
43 100
72 30.5 22.2 33.2



#30
Chloroform
Concen: 1.183 ug/l
RT: 5.087 min Scan# 656
Delta R.T. -0.012 min
Lab File: VX033328.D
Acq: 08 Dec 2022 17:04

Tgt Ion: 83 Resp: 3480
Ion Ratio Lower Upper
83 100
85 51.4 51.1 76.7





#33

1,2-Dichloroethane-d4

Concen: 45.672 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033328.D

Acq: 08 Dec 2022 17:04

Instrument :

MSVOA_X

ClientSampleId :

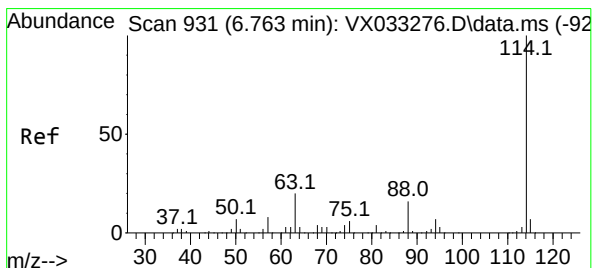
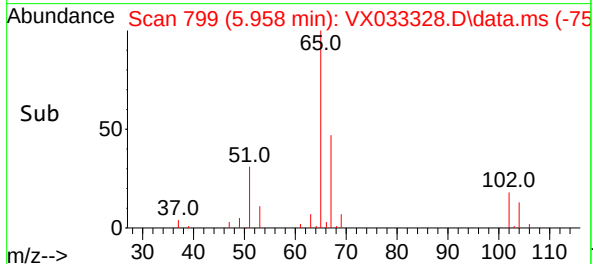
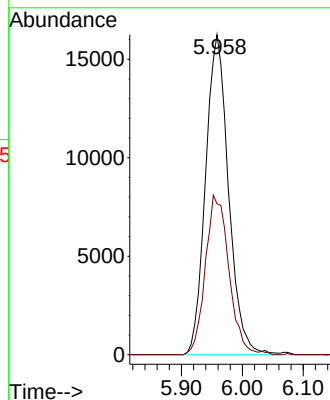
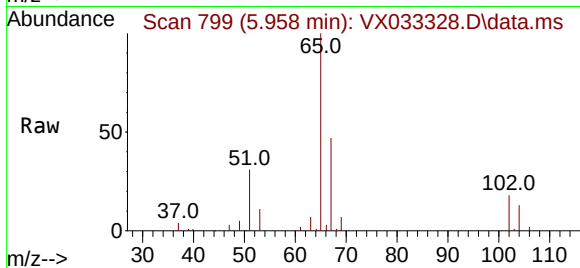
1920

Tgt Ion: 65 Resp: 42608

Ion Ratio Lower Upper

65 100

67 51.1 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: VX033328.D

Acq: 08 Dec 2022 17:04

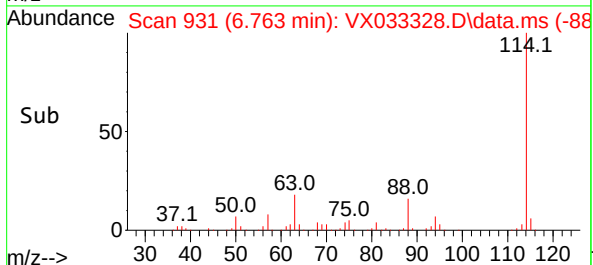
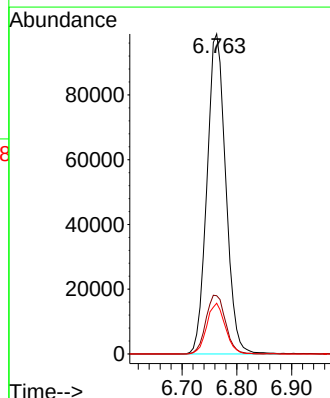
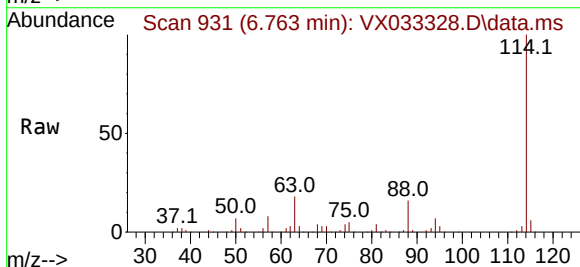
Tgt Ion: 114 Resp: 234670

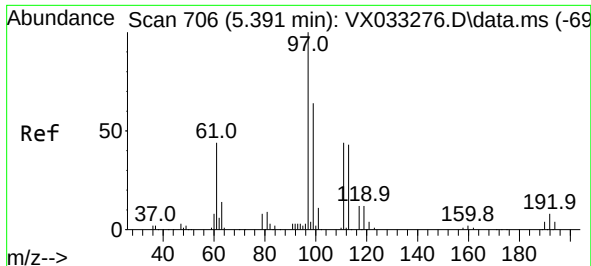
Ion Ratio Lower Upper

114 100

63 18.2 0.0 41.6

88 15.9 0.0 33.4





#35

Dibromofluoromethane

Concen: 43.855 ug/l

RT: 5.385 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX033328.D

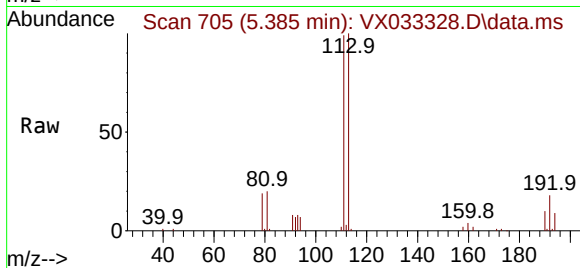
Acq: 08 Dec 2022 17:04

Instrument :

MSVOA_X

ClientSampleId :

1920



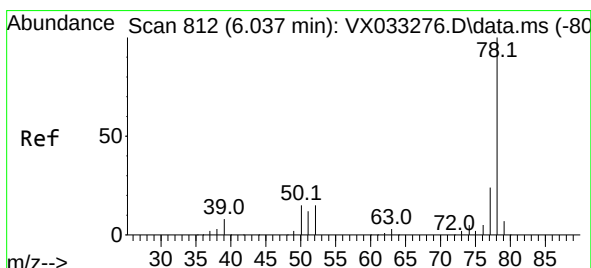
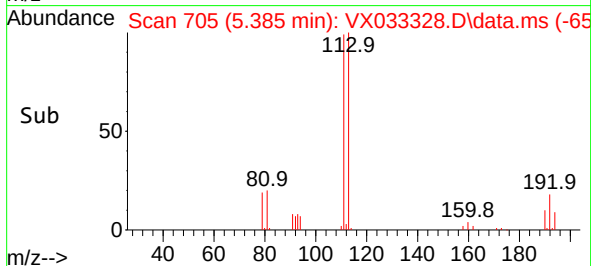
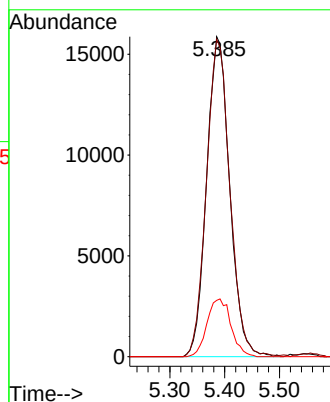
Tgt Ion:113 Resp: 46289

Ion Ratio Lower Upper

113 100

111 100.9 82.4 123.6

192 18.8 15.4 23.2



#40

Benzene

Concen: 0.416 ug/l

RT: 6.038 min Scan# 812

Delta R.T. 0.000 min

Lab File: VX033328.D

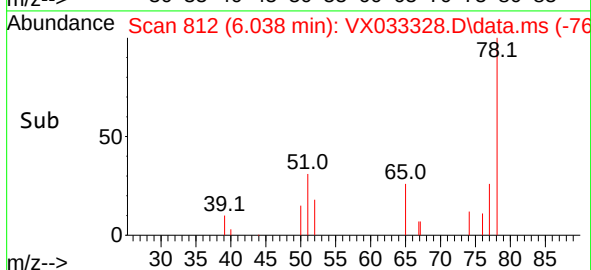
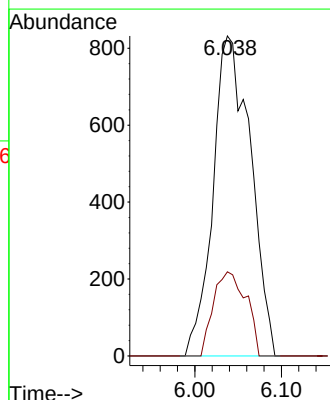
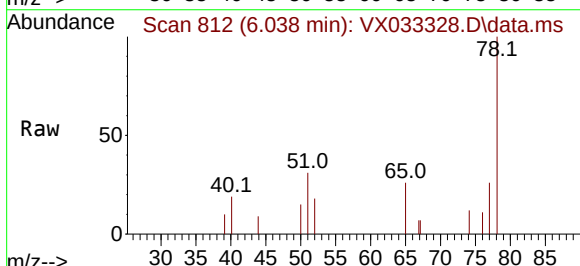
Acq: 08 Dec 2022 17:04

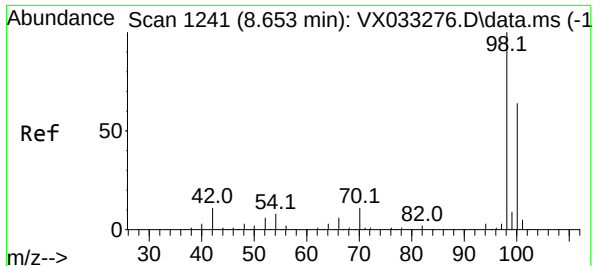
Tgt Ion: 78 Resp: 2499

Ion Ratio Lower Upper

78 100

77 26.3 19.0 28.4





#50

Toluene-d8

Concen: 44.590 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX033328.D

Acq: 08 Dec 2022 17:04

Instrument :

MSVOA_X

ClientSampleId :

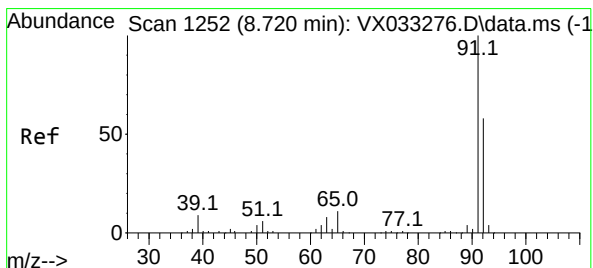
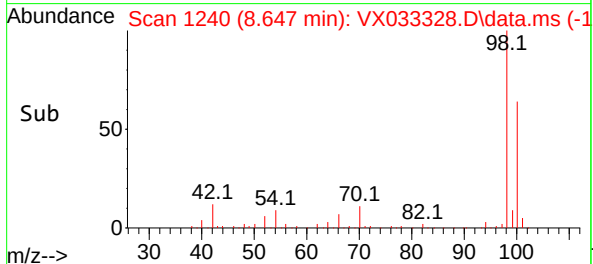
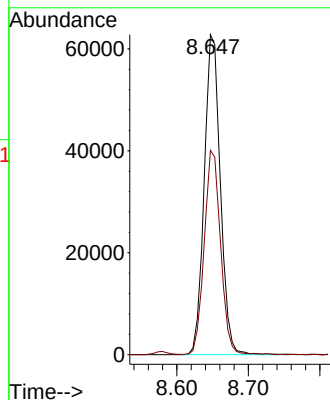
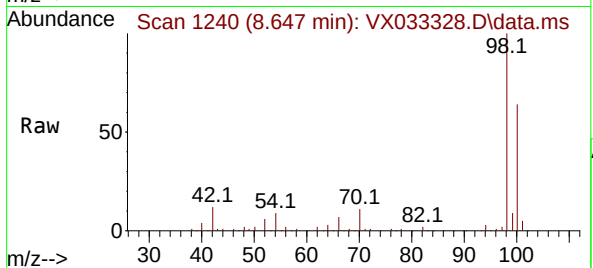
1920

Tgt Ion: 98 Resp: 98456

Ion Ratio Lower Upper

98 100

100 64.8 50.9 76.3



#52

Toluene

Concen: 12.668 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX033328.D

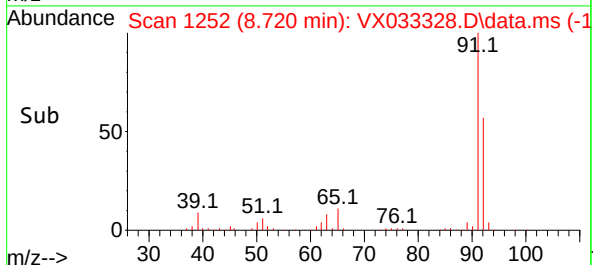
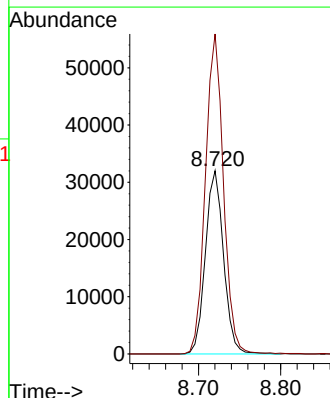
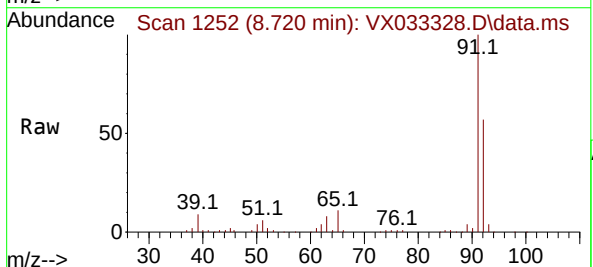
Acq: 08 Dec 2022 17:04

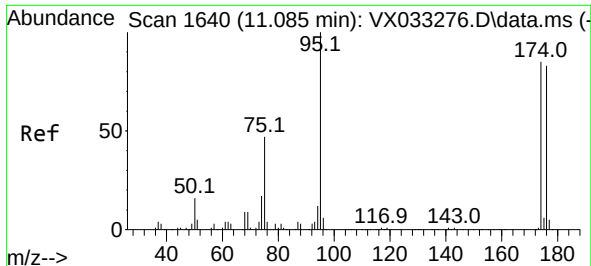
Tgt Ion: 92 Resp: 49145

Ion Ratio Lower Upper

92 100

91 173.5 138.3 207.5





#62

4-Bromofluorobenzene

Concen: 45.700 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX033328.D

Acq: 08 Dec 2022 17:04

Instrument :

MSVOA_X

ClientSampleId :

1920

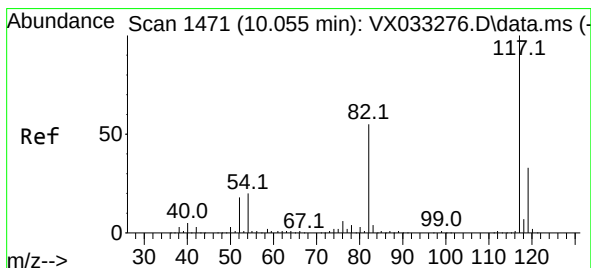
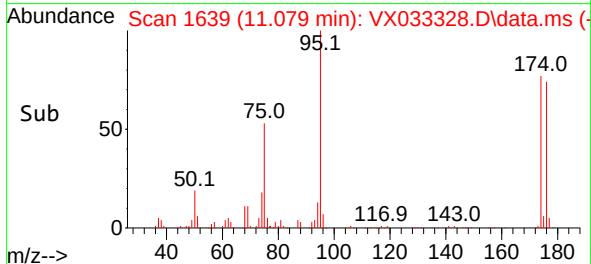
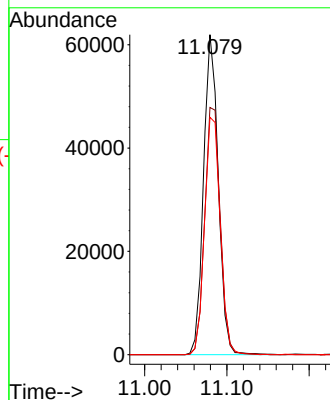
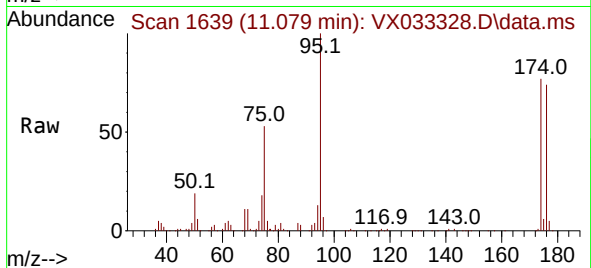
Tgt Ion: 95 Resp: 77155

Ion Ratio Lower Upper

95 100

174 81.8 0.0 164.0

176 79.2 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: VX033328.D

Acq: 08 Dec 2022 17:04

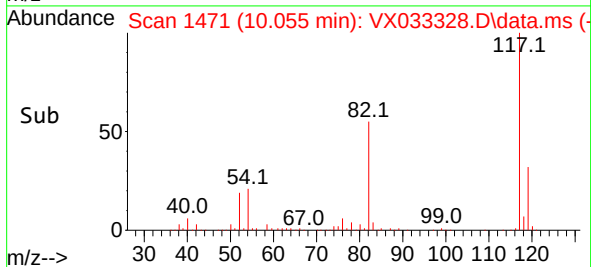
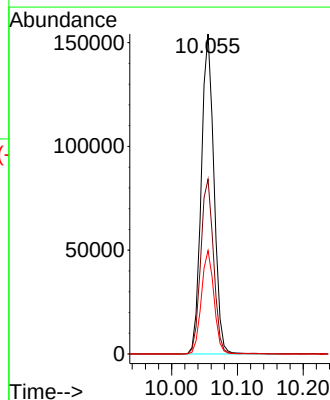
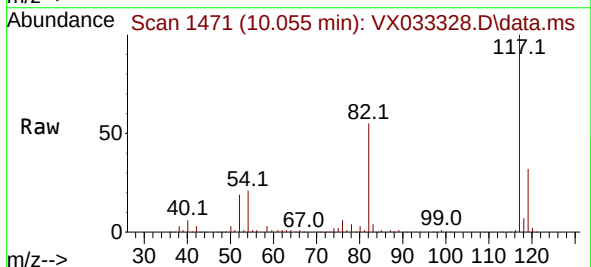
Tgt Ion: 117 Resp: 206576

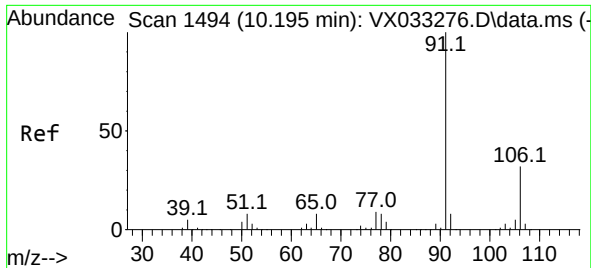
Ion Ratio Lower Upper

117 100

82 54.6 44.3 66.5

119 32.3 25.7 38.5

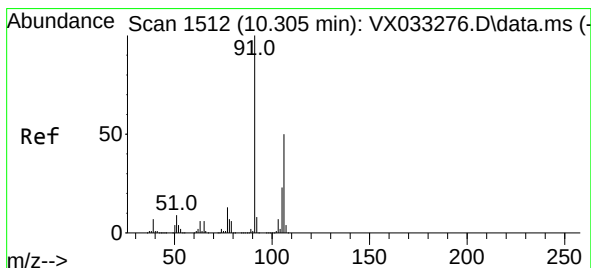
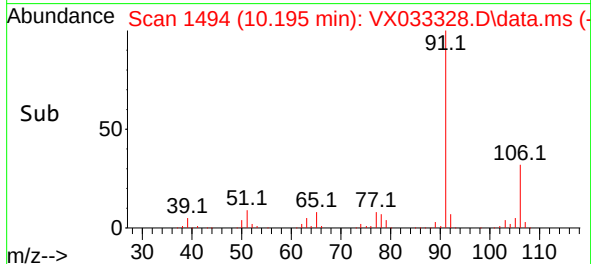
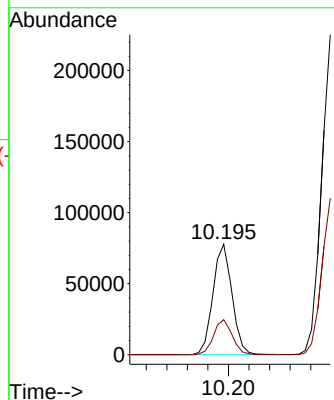
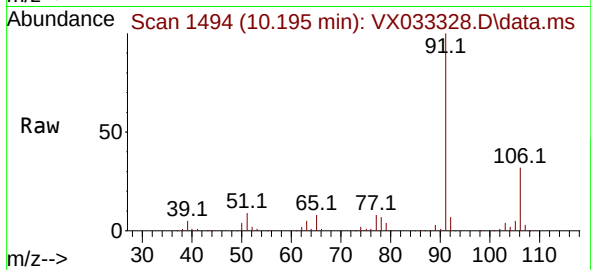




#67
Ethyl Benzene
Concen: 13.702 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX033328.D
Acq: 08 Dec 2022 17:04

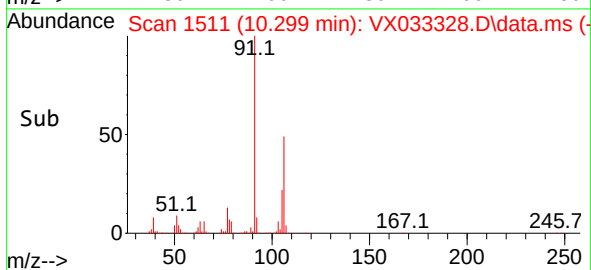
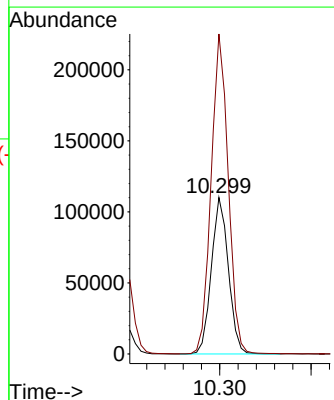
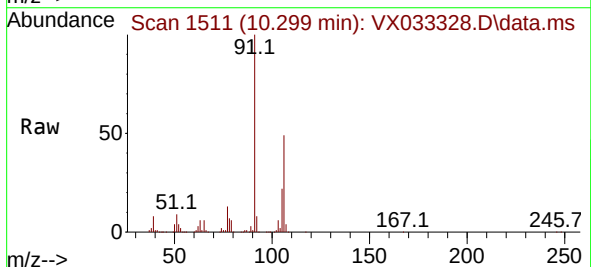
Instrument :
MSVOA_X
ClientSampleId :
1920

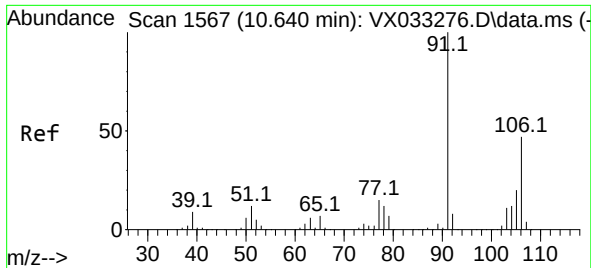
Tgt Ion: 91 Resp: 99858
Ion Ratio Lower Upper
91 100
106 31.7 25.0 37.6



#68
m/p-Xylenes
Concen: 50.102 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX033328.D
Acq: 08 Dec 2022 17:04

Tgt Ion: 106 Resp: 142062
Ion Ratio Lower Upper
106 100
91 205.2 164.5 246.7

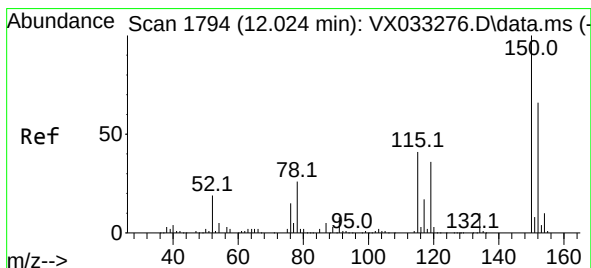
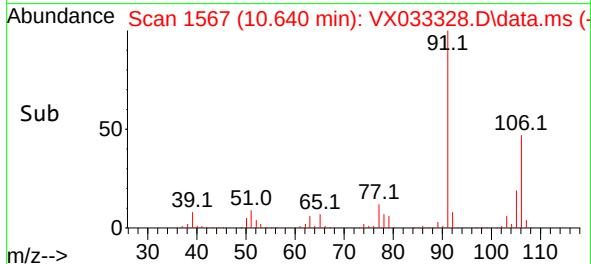
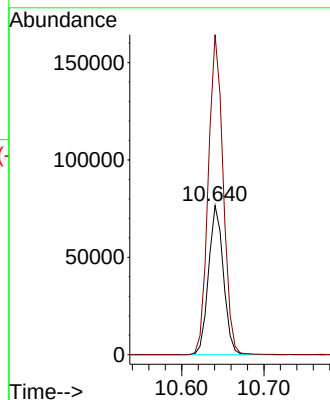
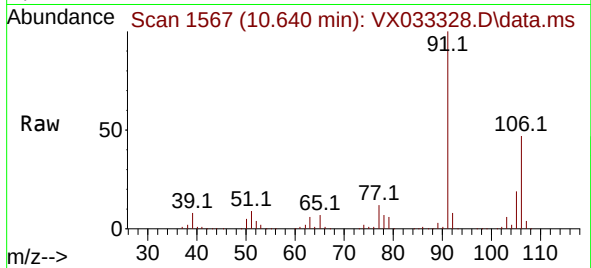




#69
o-Xylene
Concen: 34.250 ug/l
RT: 10.640 min Scan# 11920
Delta R.T. 0.000 min
Lab File: VX033328.D
Acq: 08 Dec 2022 17:04

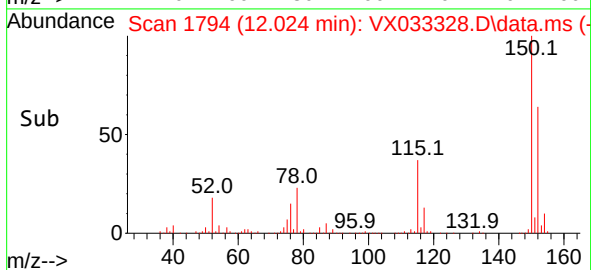
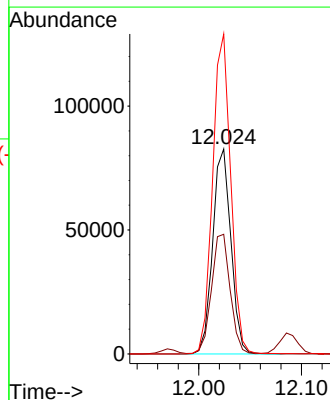
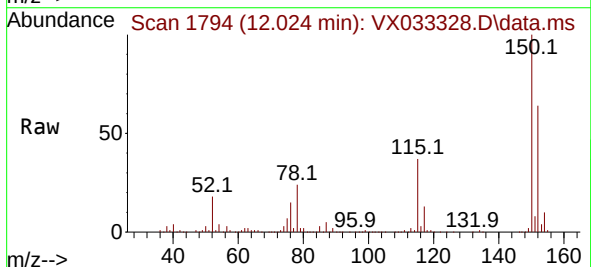
Instrument :
MSVOA_X
ClientSampleId :
1920

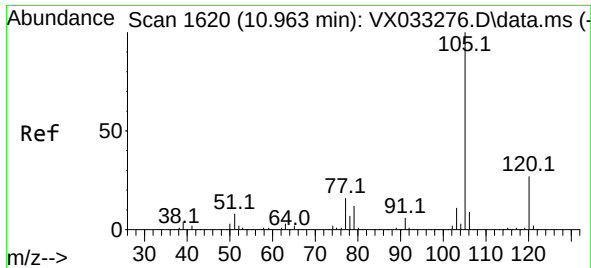
Tgt Ion:106 Resp: 95991
Ion Ratio Lower Upper
106 100
91 214.8 109.2 327.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033328.D
Acq: 08 Dec 2022 17:04

Tgt Ion:152 Resp: 101535
Ion Ratio Lower Upper
152 100
115 60.0 44.0 132.0
150 155.1 0.0 351.8

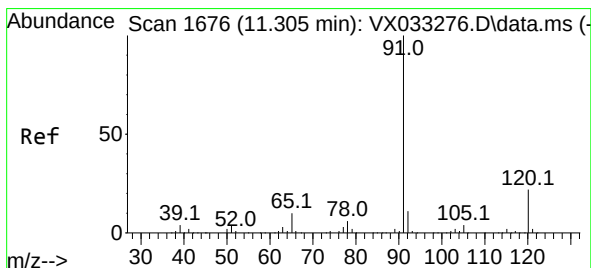
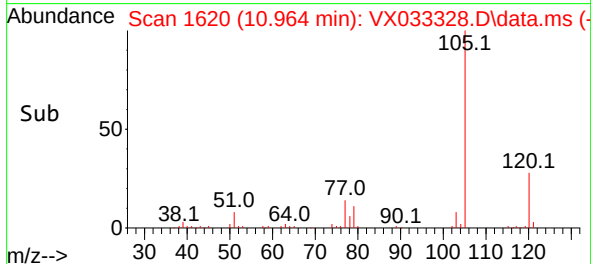
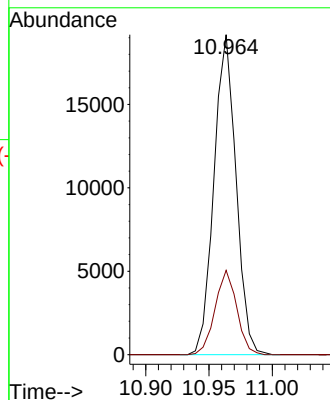
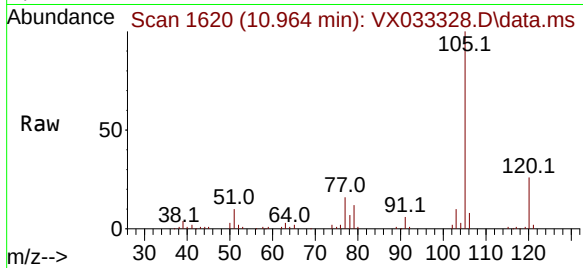




#73
Isopropylbenzene
Concen: 3.157 ug/l
RT: 10.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX033328.D
Acq: 08 Dec 2022 17:04

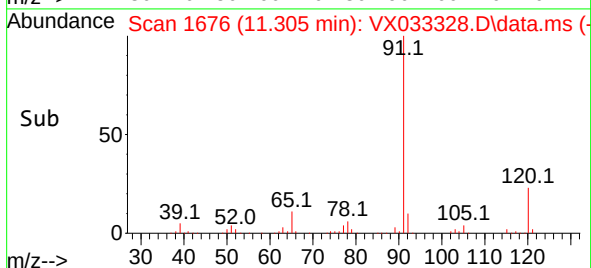
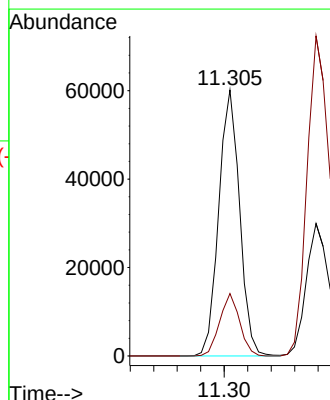
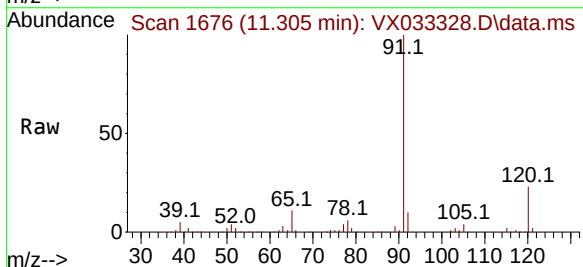
Instrument :
MSVOA_X
ClientSampleId :
1920

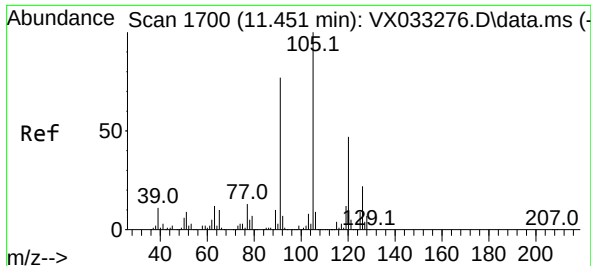
Tgt Ion:105 Resp: 23230
Ion Ratio Lower Upper
105 100
120 25.9 13.1 39.3



#78
n-propylbenzene
Concen: 9.039 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX033328.D
Acq: 08 Dec 2022 17:04

Tgt Ion: 91 Resp: 74279
Ion Ratio Lower Upper
91 100
120 22.4 11.6 34.8

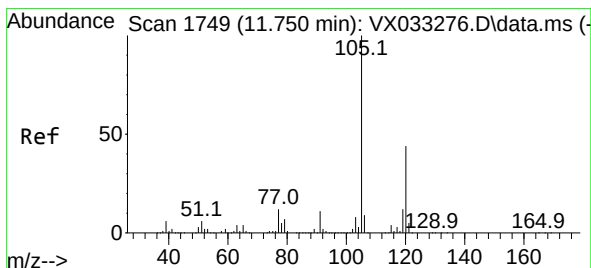
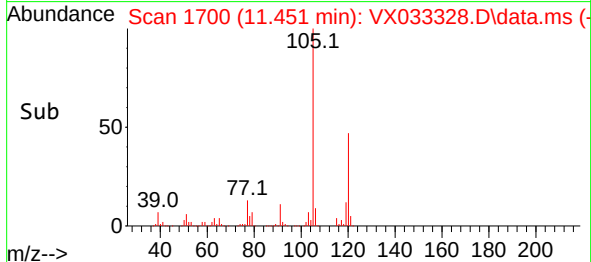
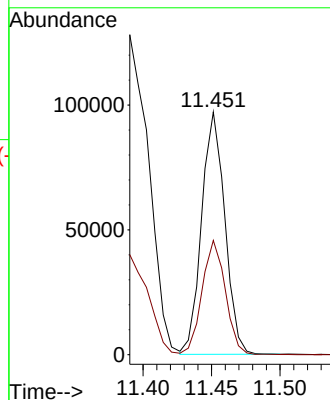
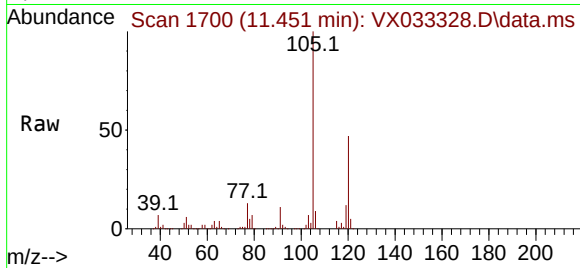




#80
 1,3,5-Trimethylbenzene
 Concen: 18.693 ug/l
 RT: 11.451 min Scan# 1700
 Delta R.T. 0.000 min
 Lab File: VX033328.D
 Acq: 08 Dec 2022 17:04

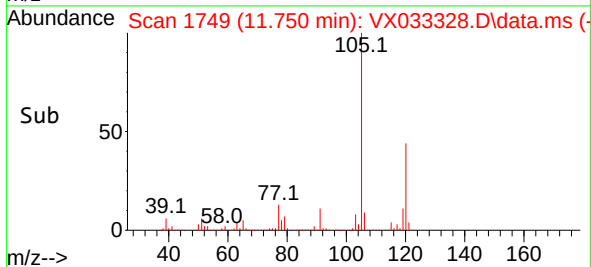
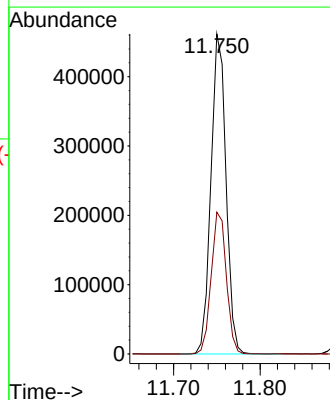
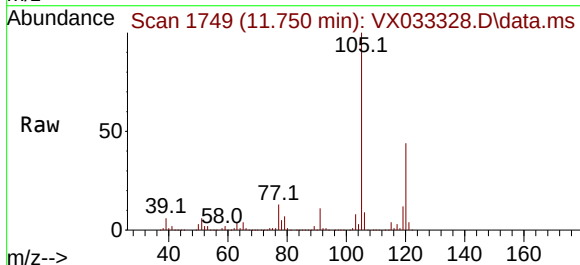
Instrument :
 MSVOA_X
 ClientSampleId :
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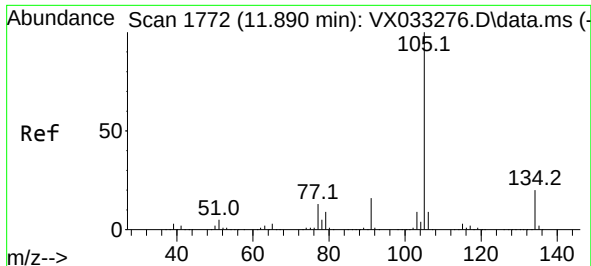
Tgt Ion:105 Resp: 114515
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.6 71.0



#84
 1,2,4-Trimethylbenzene
 Concen: 91.132 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. 0.000 min
 Lab File: VX033328.D
 Acq: 08 Dec 2022 17:04

Tgt Ion:105 Resp: 557273
 Ion Ratio Lower Upper
 105 100
 120 44.7 21.9 65.5

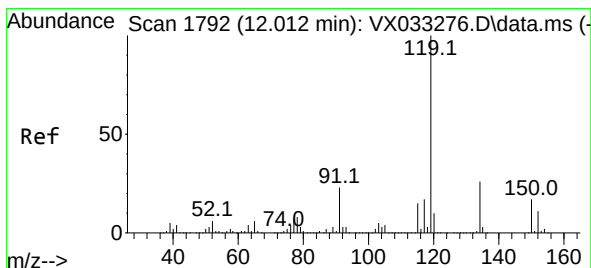
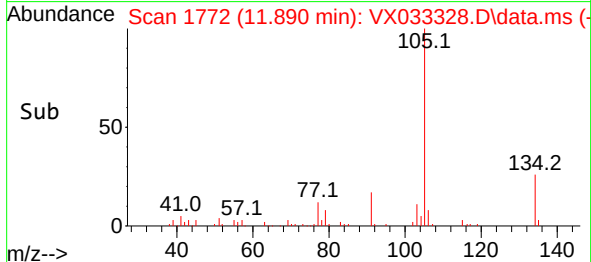
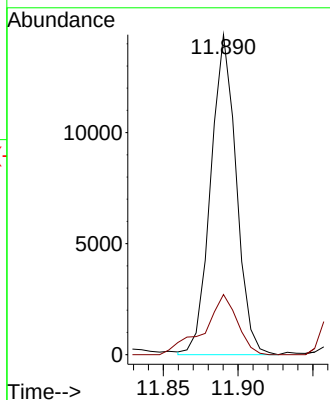
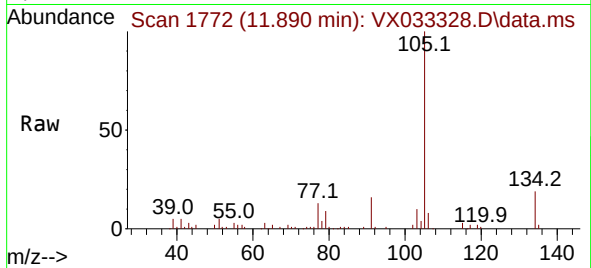




#85
 sec-Butylbenzene
 Concen: 2.396 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX033328.D
 Acq: 08 Dec 2022 17:04

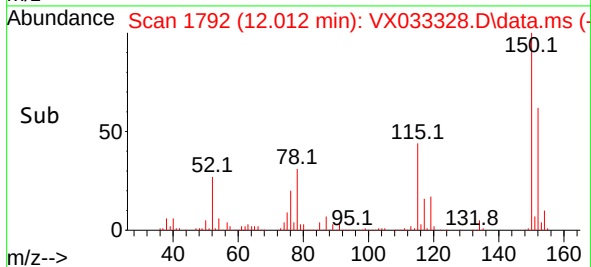
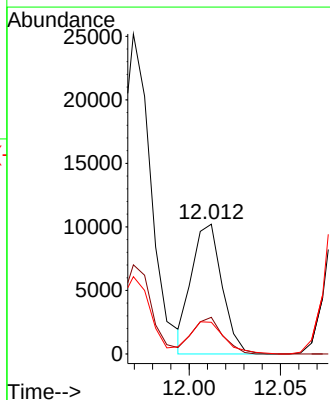
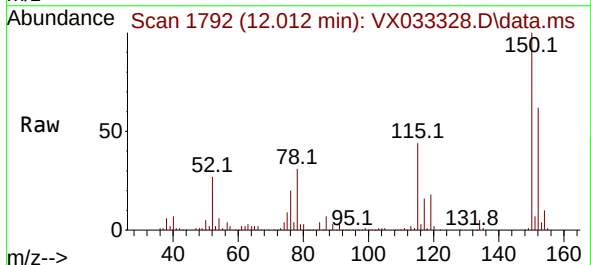
Instrument :
 MSVOA_X
 ClientSampleId :
 1920

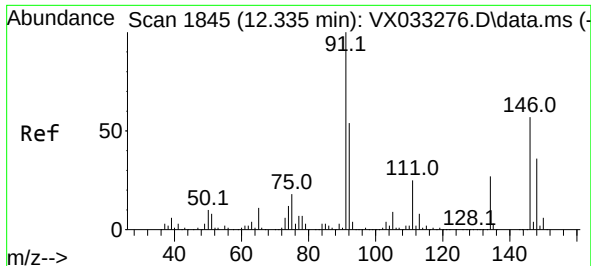
Tgt Ion:105 Resp: 17079
 Ion Ratio Lower Upper
 105 100
 134 24.4 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 1.927 ug/l
 RT: 12.012 min Scan# 1792
 Delta R.T. 0.000 min
 Lab File: VX033328.D
 Acq: 08 Dec 2022 17:04

Tgt Ion:119 Resp: 11844
 Ion Ratio Lower Upper
 119 100
 134 27.8 12.9 38.7
 91 29.2 12.5 37.5





#89

n-Butylbenzene

Concen: 7.982 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.006 min

Lab File: VX033328.D

Acq: 08 Dec 2022 17:04

Instrument :

MSVOA_X

ClientSampleId :

1920

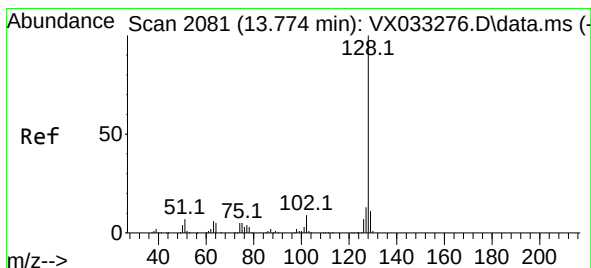
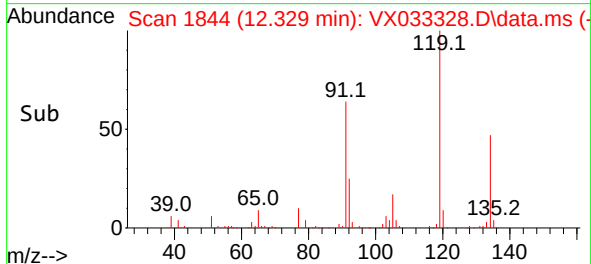
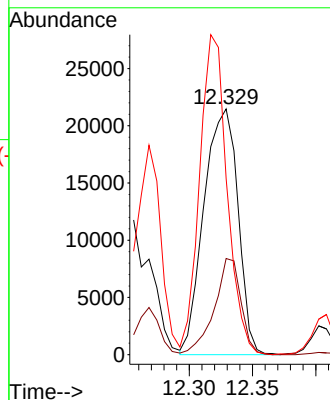
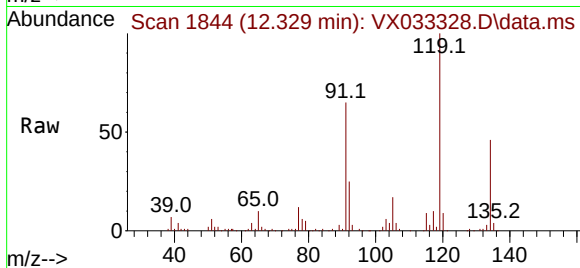
Tgt Ion: 91 Resp: 40170

Ion Ratio Lower Upper

91 100

92 30.7 26.2 78.6

134 105.1 12.9 38.6#



#95

Napthalene

Concen: 21.087 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX033328.D

Acq: 08 Dec 2022 17:04

Tgt Ion:128 Resp: 142972

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.4

129 11.4 8.9 13.3

