

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120922\
 Data File : VX033347.D
 Acq On : 09 Dec 2022 15:03
 Operator : JC/MD
 Sample : N5890-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1920

Quant Time: Dec 09 15:33:16 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

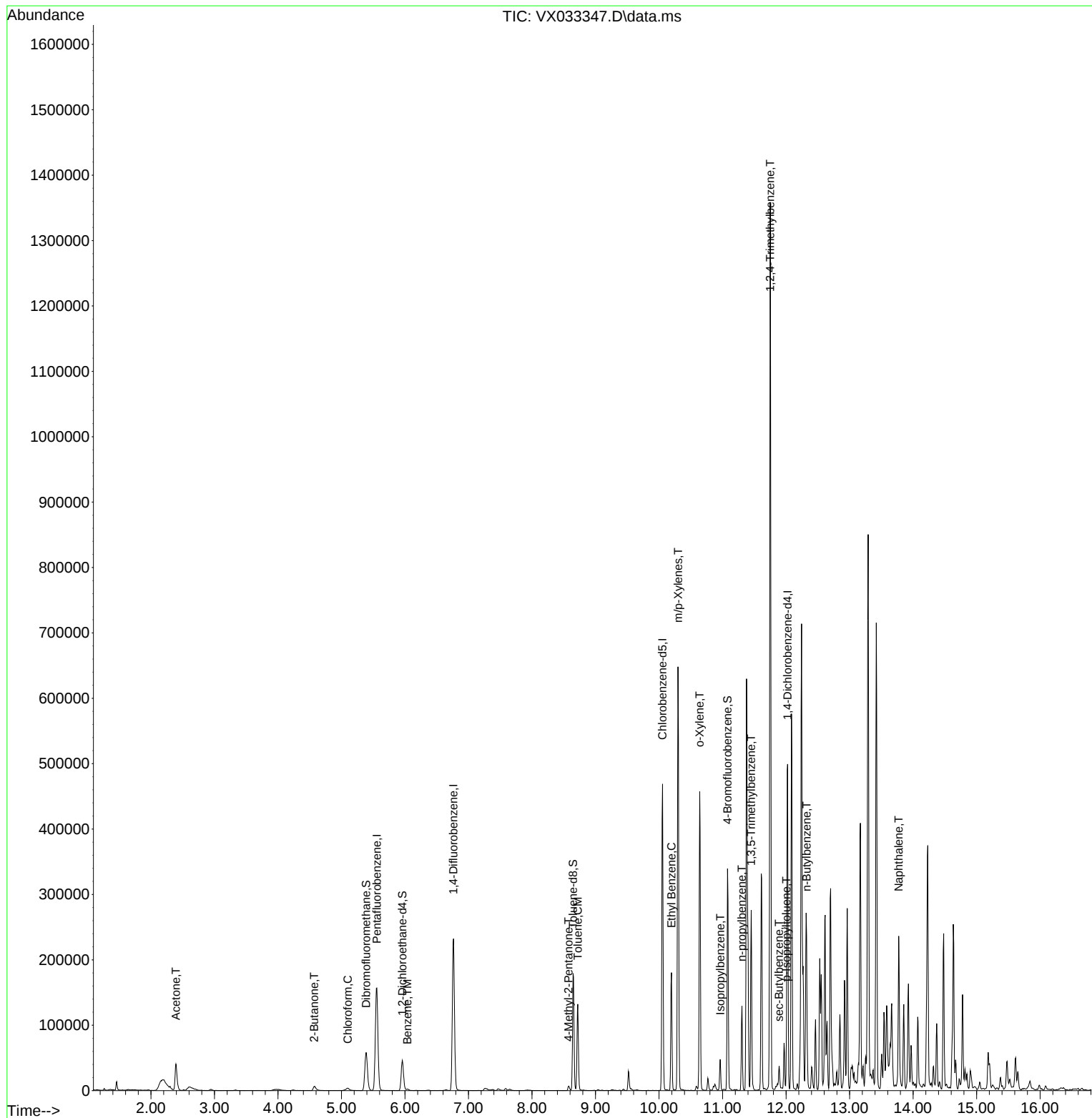
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	153248	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	243090	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	214428	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	106174	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	46646	47.446	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	94.900%
35) Dibromofluoromethane	5.385	113	52069	47.622	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.240%
50) Toluene-d8	8.647	98	112302	49.099	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.200%
62) 4-Bromofluorobenzene	11.079	95	88972	50.874	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.740%
Target Compounds						
					Qvalue	
16) Acetone	2.392	43	53156	73.067	ug/l	100
25) 2-Butanone	4.568	43	12397	11.872	ug/l	97
30) Chloroform	5.099	83	3470	1.119	ug/l	97
40) Benzene	6.037	78	2637	0.424	ug/l #	89
51) 4-Methyl-2-Pentanone	8.574	43	4702	2.293	ug/l	92
52) Toluene	8.720	92	50034	12.451	ug/l	98
67) Ethyl Benzene	10.195	91	105440	13.938	ug/l	99
68) m/p-Xylenes	10.299	106	149583	50.823	ug/l	98
69) o-Xylene	10.640	106	97809	33.621	ug/l	99
73) Isopropylbenzene	10.963	105	23901	3.106	ug/l	99
78) n-propylbenzene	11.305	91	76156	8.863	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	118199	18.452	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	578795	90.516	ug/l	98
85) sec-Butylbenzene	11.890	105	17688	2.373	ug/l	86
86) p-Isopropyltoluene	12.006	119	12358	1.923	ug/l	94
89) n-Butylbenzene	12.323	91	40595	7.714	ug/l #	27
95) Naphthalene	13.774	128	146588	20.676	ug/l	99

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

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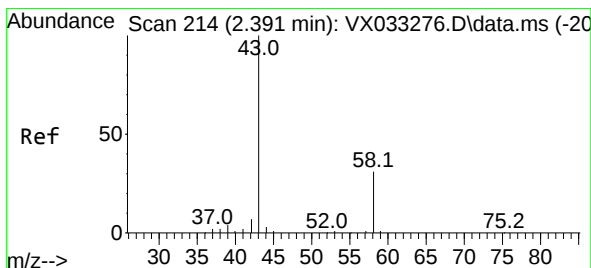
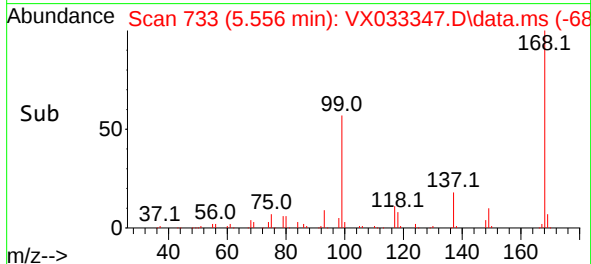
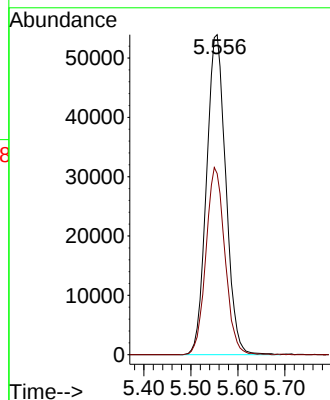
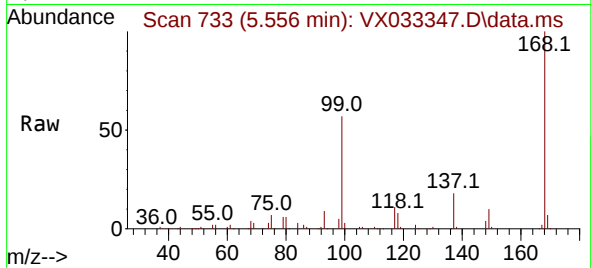




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033347.D
Acq: 09 Dec 2022 15:03

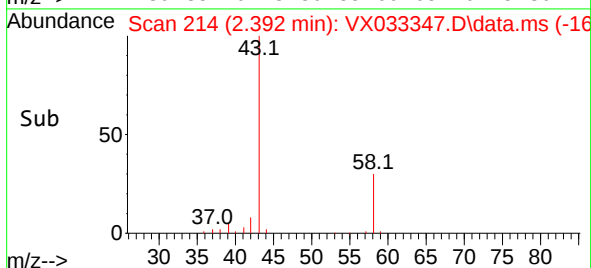
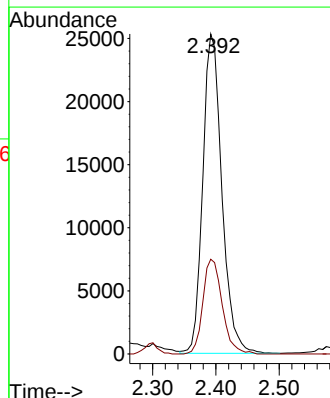
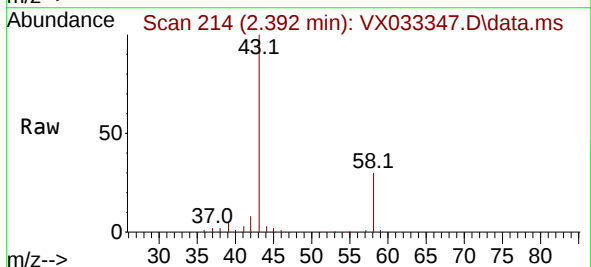
Instrument :
MSVOA_X
ClientSampleId :
1920

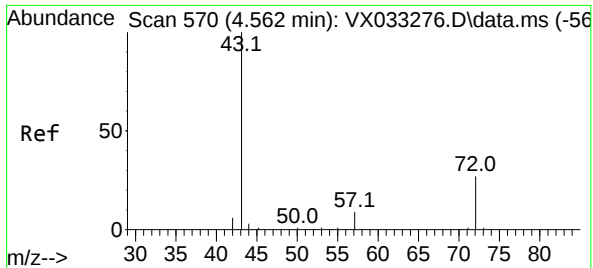
Tgt Ion:168 Resp: 153248
Ion Ratio Lower Upper
168 100
99 56.6 46.1 69.1



#16
Acetone
Concen: 73.067 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX033347.D
Acq: 09 Dec 2022 15:03

Tgt Ion: 43 Resp: 53156
Ion Ratio Lower Upper
43 100
58 29.6 23.8 35.8

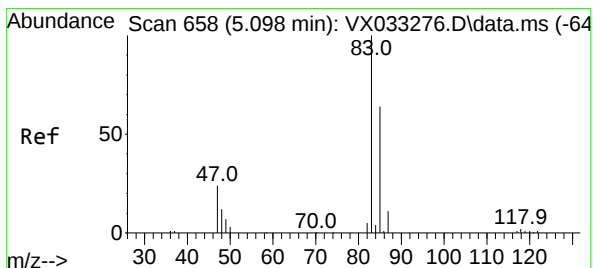
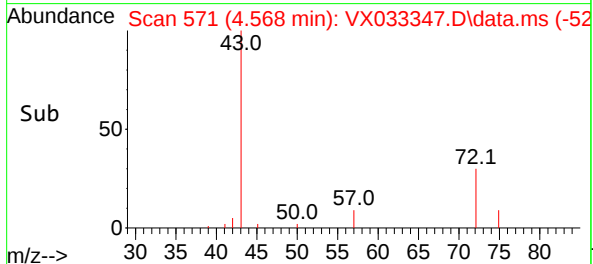
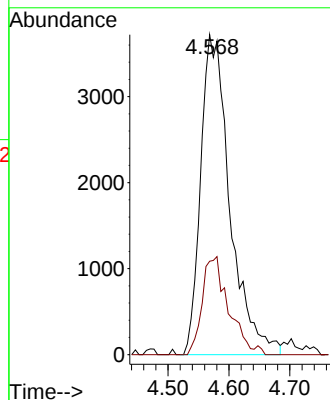
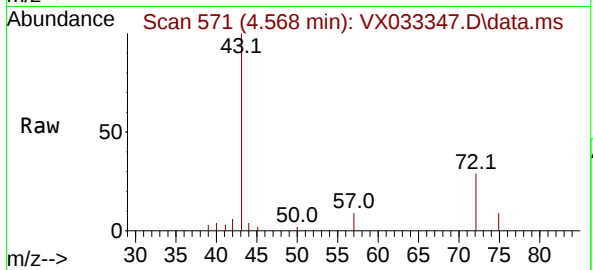




#25
2-Butanone
Concen: 11.872 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX033347.D
Acq: 09 Dec 2022 15:03

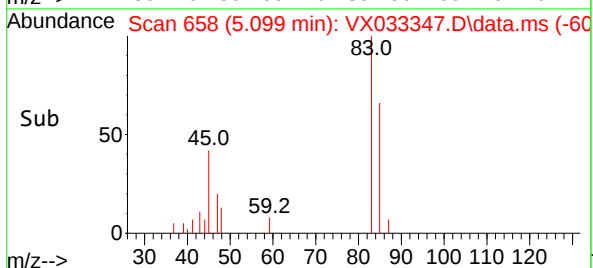
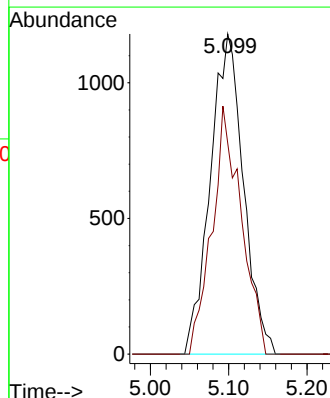
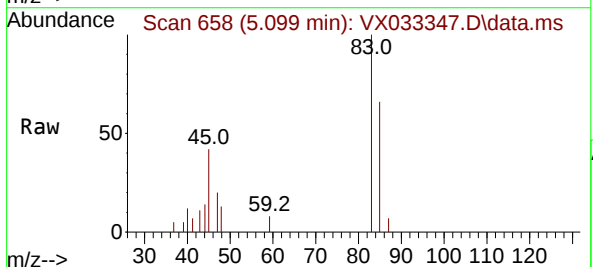
Instrument :
MSVOA_X
ClientSampleId :
1920

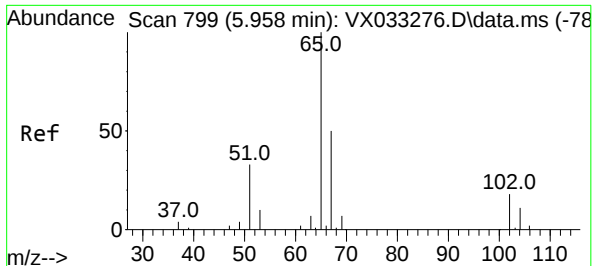
Tgt Ion: 43 Resp: 12397
Ion Ratio Lower Upper
43 100
72 29.2 22.2 33.2



#30
Chloroform
Concen: 1.119 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.000 min
Lab File: VX033347.D
Acq: 09 Dec 2022 15:03

Tgt Ion: 83 Resp: 3470
Ion Ratio Lower Upper
83 100
85 65.9 51.1 76.7





#33

1,2-Dichloroethane-d4

Concen: 47.446 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033347.D

Acq: 09 Dec 2022 15:03

Instrument :

MSVOA_X

ClientSampleId :

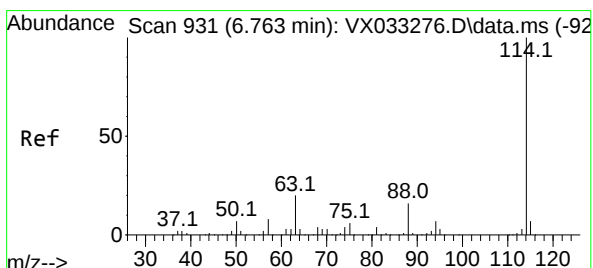
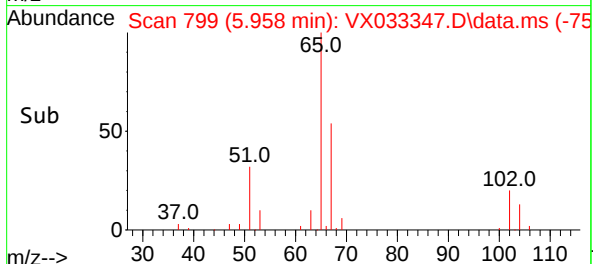
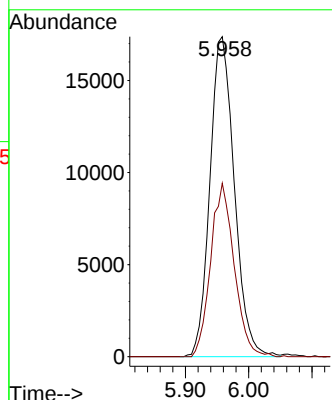
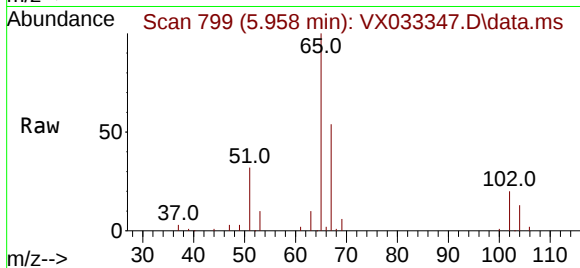
1920

Tgt Ion: 65 Resp: 46646

Ion Ratio Lower Upper

65 100

67 52.2 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: VX033347.D

Acq: 09 Dec 2022 15:03

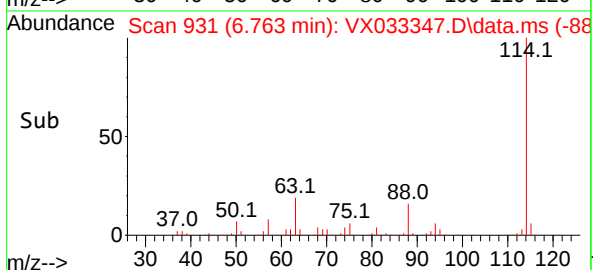
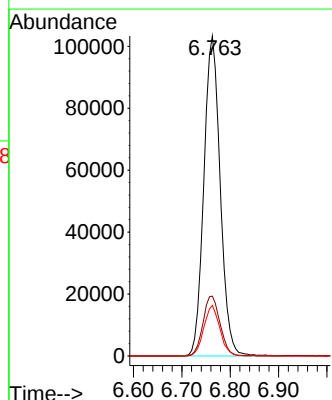
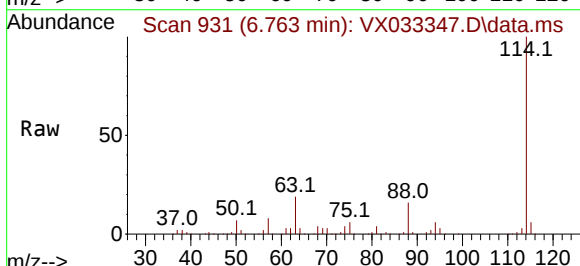
Tgt Ion: 114 Resp: 243090

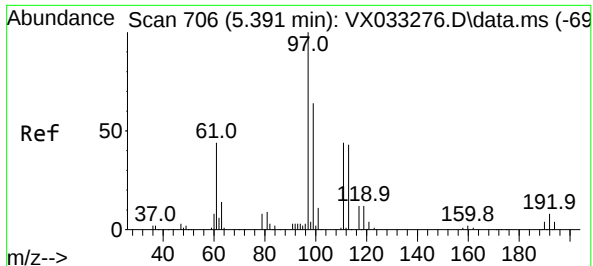
Ion Ratio Lower Upper

114 100

63 18.7 0.0 41.6

88 15.8 0.0 33.4





#35

Dibromofluoromethane

Concen: 47.622 ug/l

RT: 5.385 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX033347.D

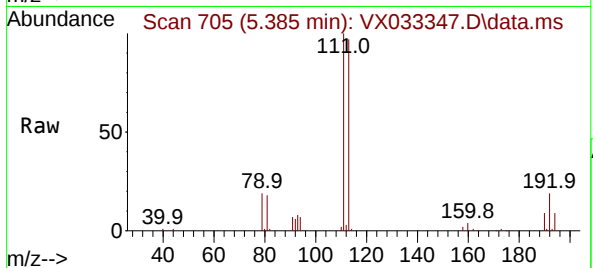
Acq: 09 Dec 2022 15:03

Instrument :

MSVOA_X

ClientSampleId :

1920



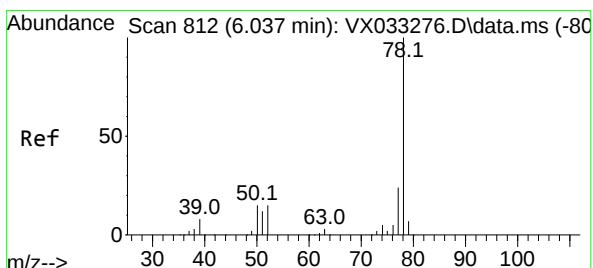
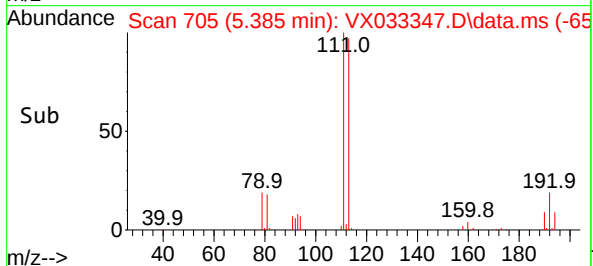
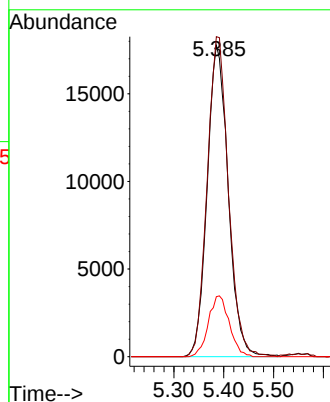
Tgt Ion:113 Resp: 52069

Ion Ratio Lower Upper

113 100

111 103.5 82.4 123.6

192 19.4 15.4 23.2



#40

Benzene

Concen: 0.424 ug/l

RT: 6.037 min Scan# 812

Delta R.T. 0.000 min

Lab File: VX033347.D

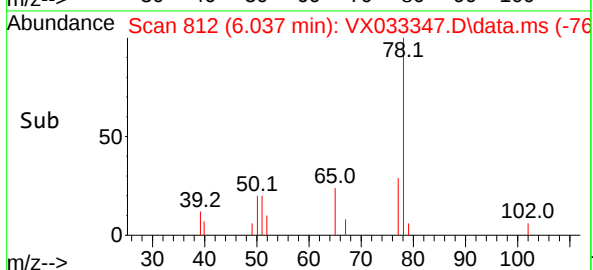
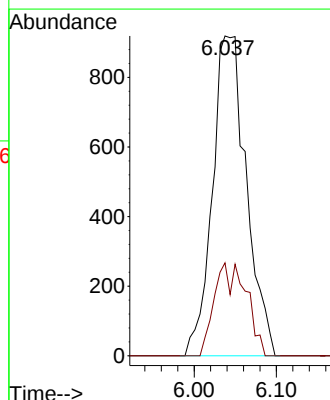
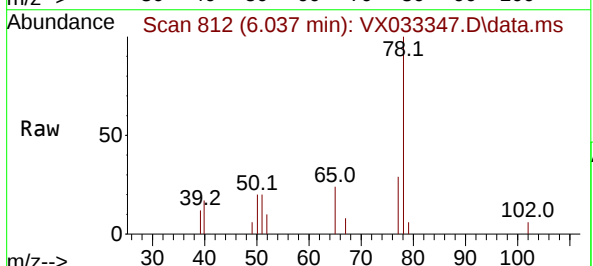
Acq: 09 Dec 2022 15:03

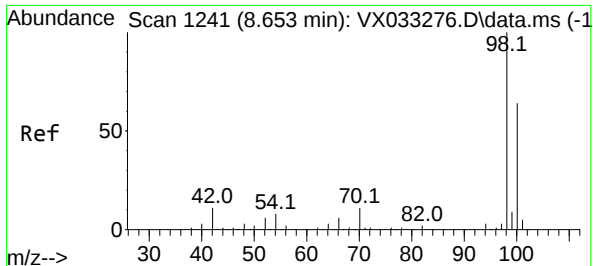
Tgt Ion: 78 Resp: 2637

Ion Ratio Lower Upper

78 100

77 29.1 19.0 28.4#

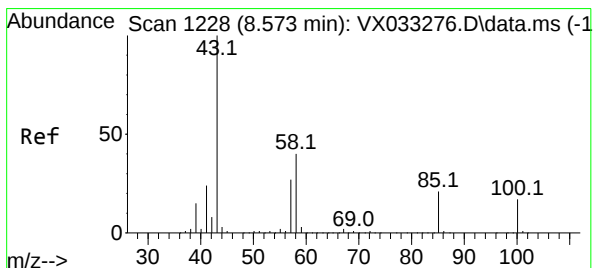
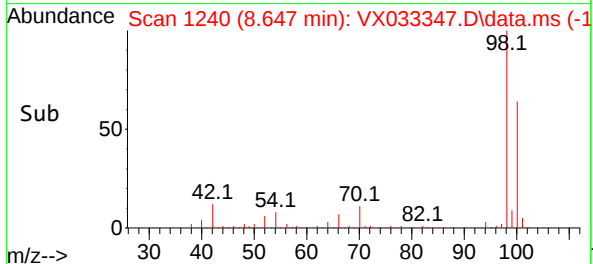
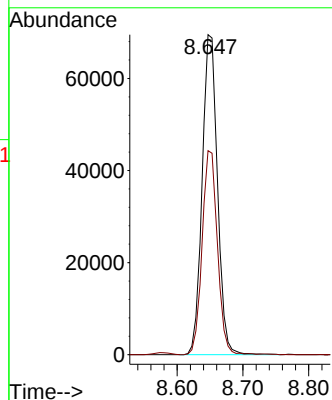
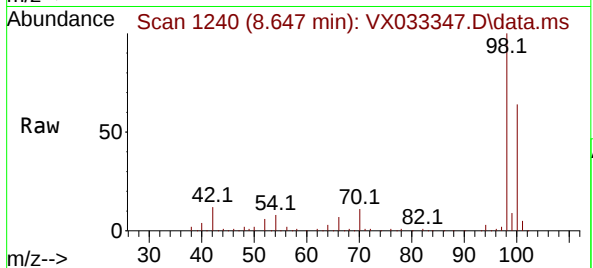




#50
Toluene-d8
Concen: 49.099 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX033347.D
Acq: 09 Dec 2022 15:03

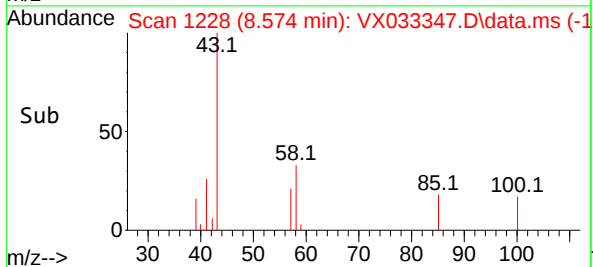
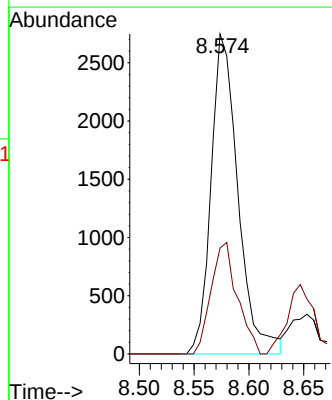
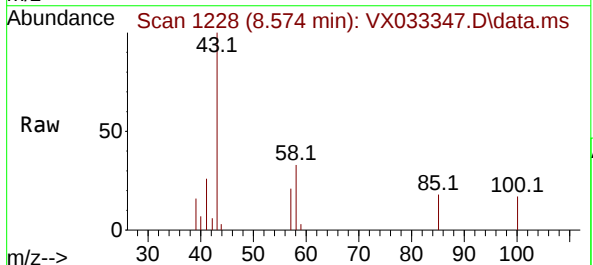
Instrument :
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ClientSampleId :
1920

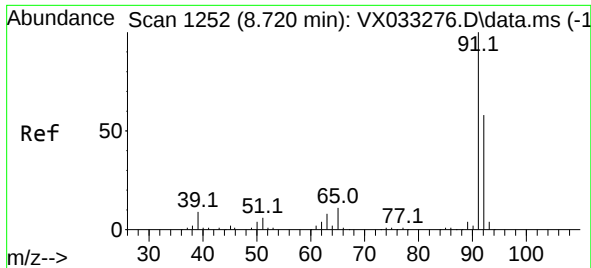
Tgt Ion: 98 Resp: 112302
Ion Ratio Lower Upper
98 100
100 63.6 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 2.293 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX033347.D
Acq: 09 Dec 2022 15:03

Tgt Ion: 43 Resp: 4702
Ion Ratio Lower Upper
43 100
58 33.9 30.9 46.3

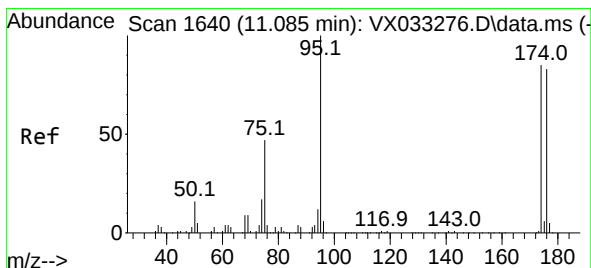
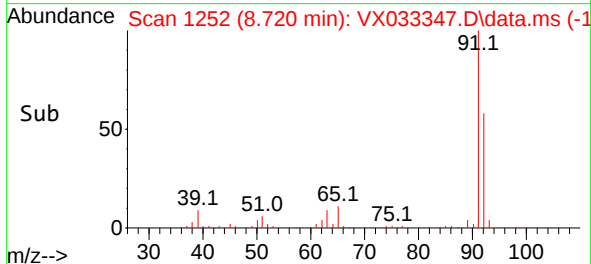
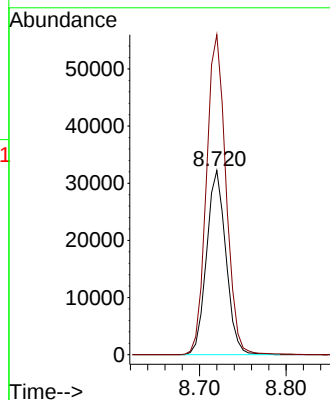
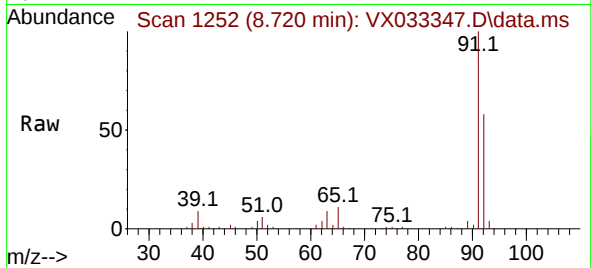




#52
Toluene
Concen: 12.451 ug/l
RT: 8.720 min Scan# 11920
Delta R.T. 0.000 min
Lab File: VX033347.D
Acq: 09 Dec 2022 15:03

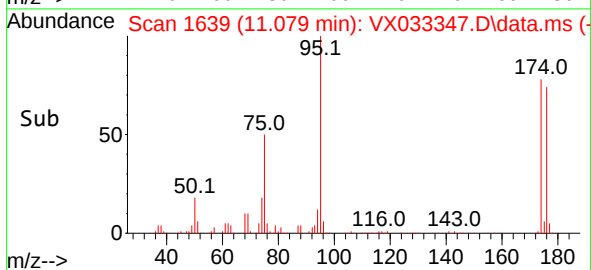
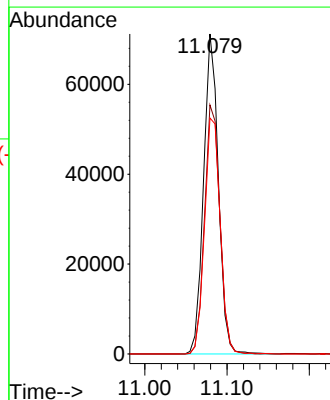
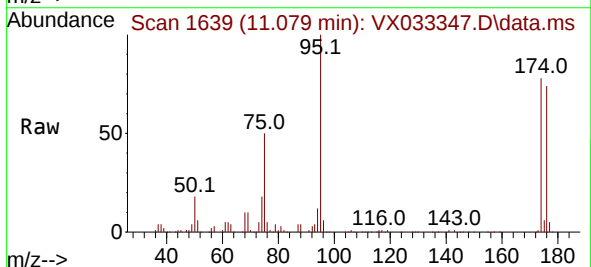
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ClientSampleId :
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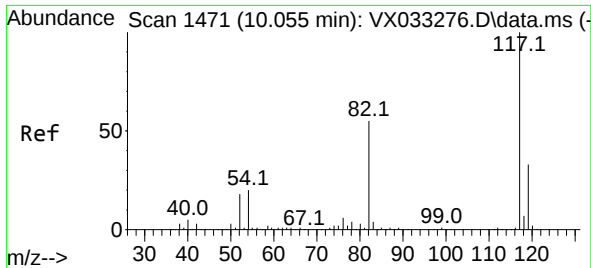
Tgt Ion: 92 Resp: 50034
Ion Ratio Lower Upper
92 100
91 175.5 138.3 207.5



#62
4-Bromofluorobenzene
Concen: 50.874 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX033347.D
Acq: 09 Dec 2022 15:03

Tgt Ion: 95 Resp: 88972
Ion Ratio Lower Upper
95 100
174 80.8 0.0 164.0
176 78.1 0.0 154.4

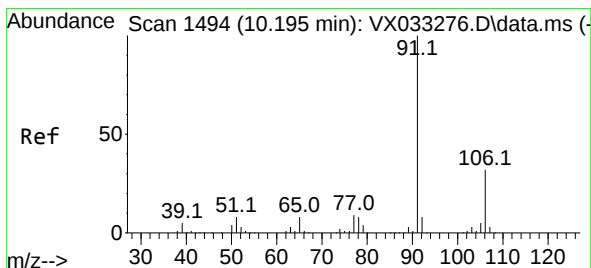
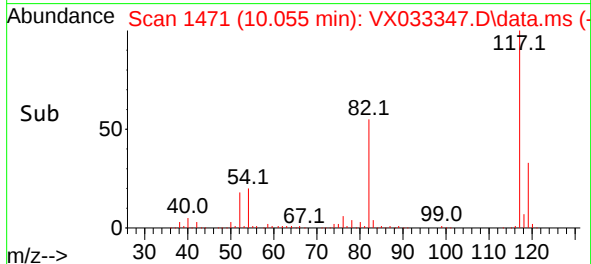
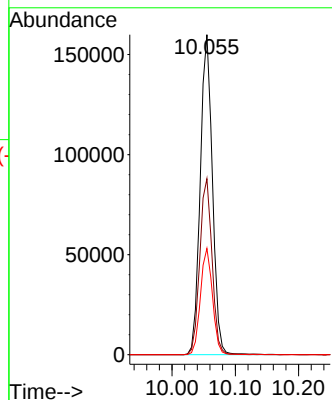
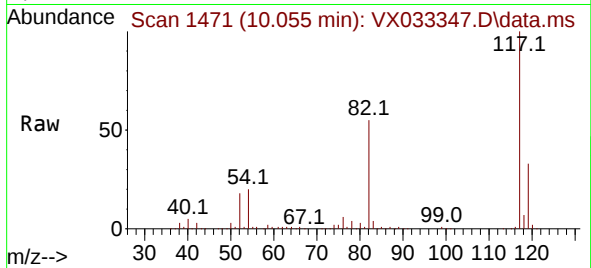




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033347.D
Acq: 09 Dec 2022 15:03

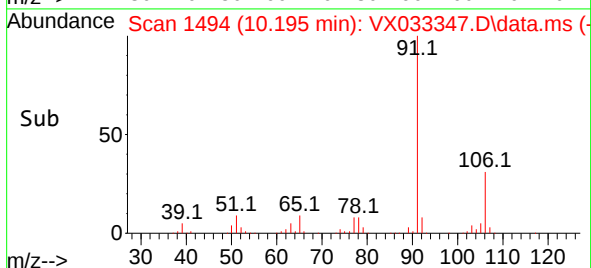
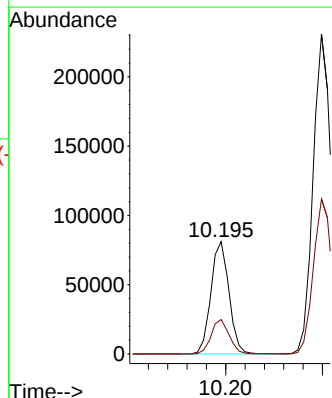
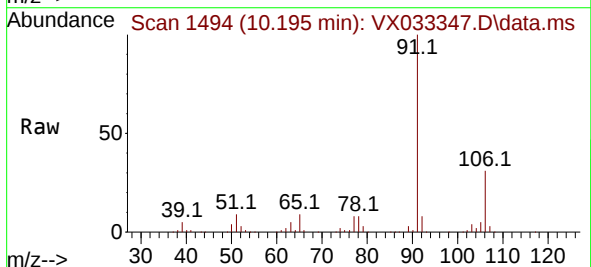
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ClientSampleId :
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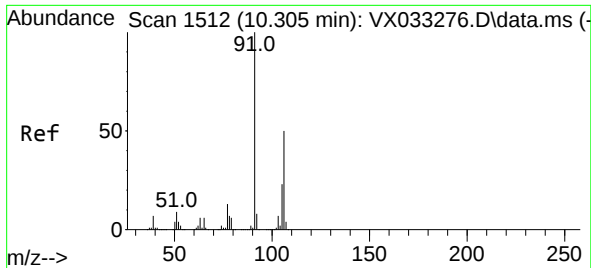
Tgt Ion:117 Resp: 214428
Ion Ratio Lower Upper
117 100
82 55.0 44.3 66.5
119 33.2 25.7 38.5



#67
Ethyl Benzene
Concen: 13.938 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX033347.D
Acq: 09 Dec 2022 15:03

Tgt Ion: 91 Resp: 105440
Ion Ratio Lower Upper
91 100
106 30.7 25.0 37.6

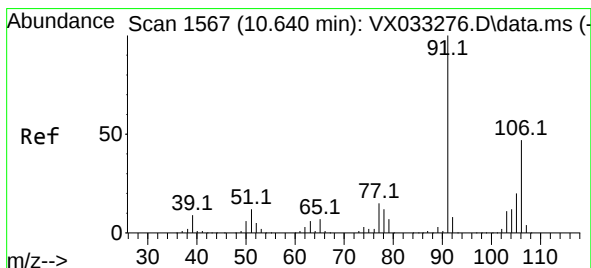
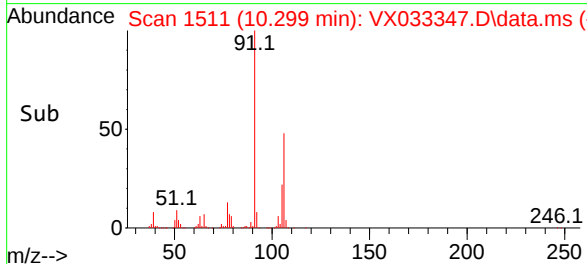
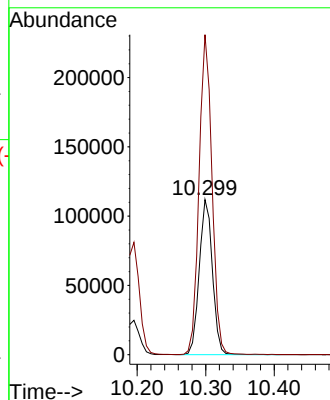
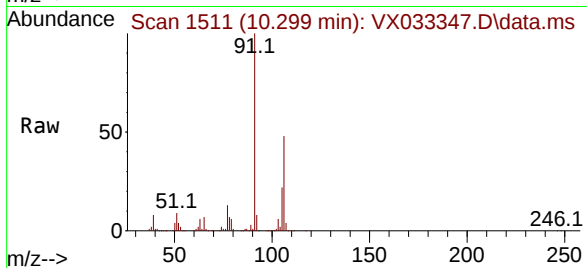




#68
m/p-Xylenes
Concen: 50.823 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX033347.D
Acq: 09 Dec 2022 15:03

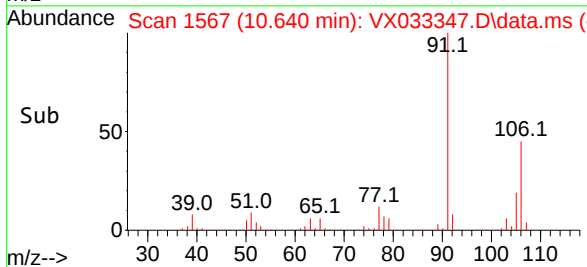
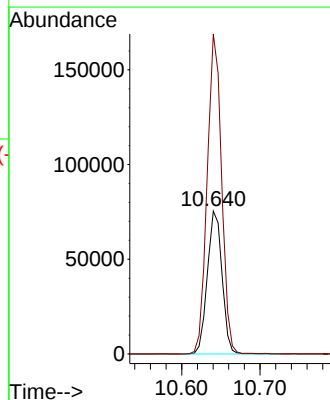
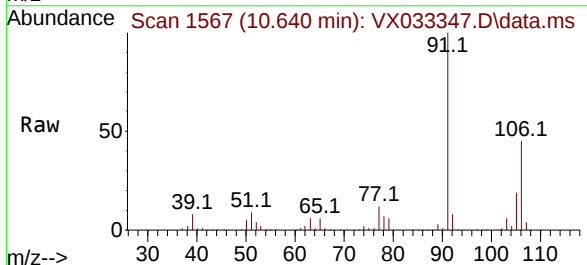
Instrument :
MSVOA_X
ClientSampleId :
1920

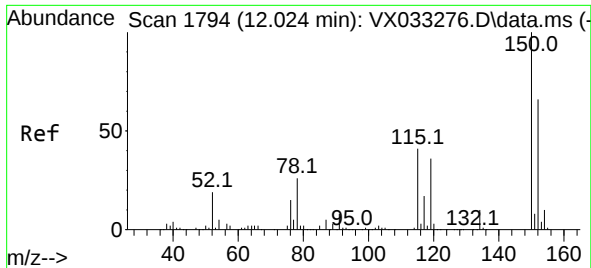
Tgt Ion:106 Resp: 149583
Ion Ratio Lower Upper
106 100
91 202.4 164.5 246.7



#69
o-Xylene
Concen: 33.621 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX033347.D
Acq: 09 Dec 2022 15:03

Tgt Ion:106 Resp: 97809
Ion Ratio Lower Upper
106 100
91 220.4 109.2 327.6

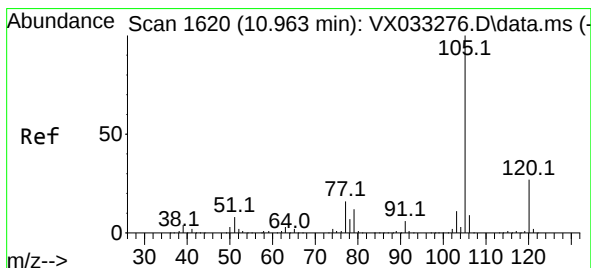
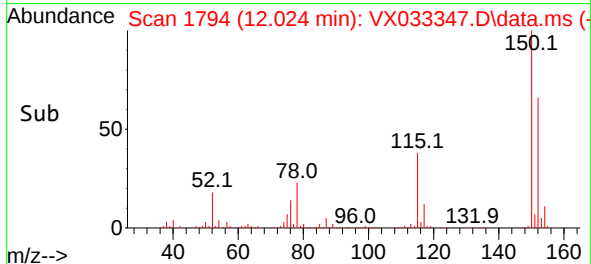
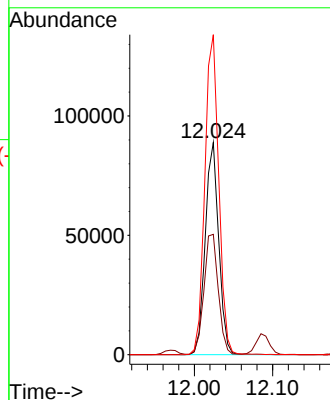
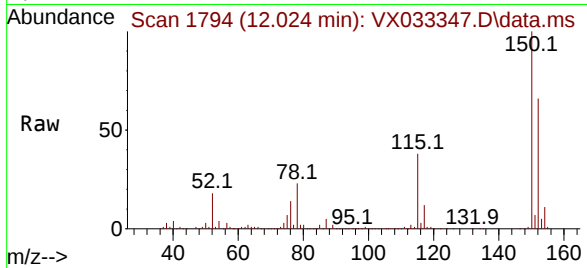




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX033347.D
 Acq: 09 Dec 2022 15:03

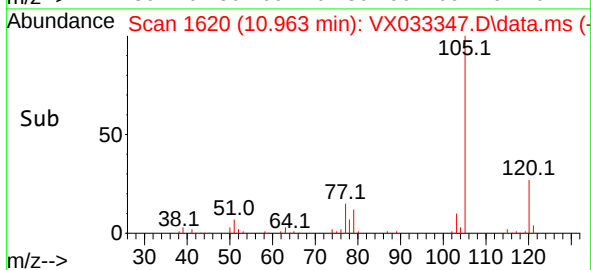
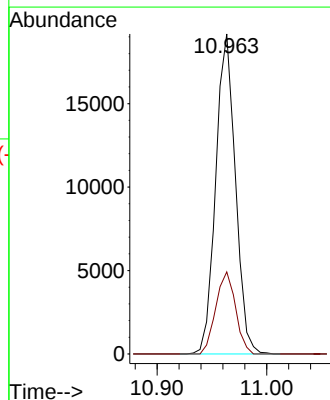
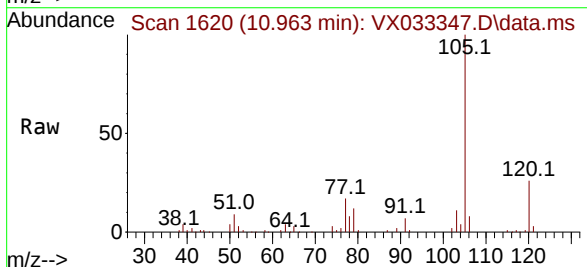
Instrument :
 MSVOA_X
 ClientSampleId :
 1920

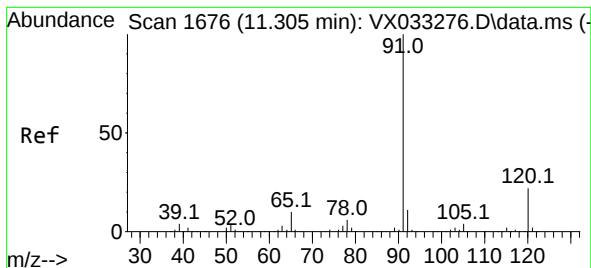
Tgt Ion:152 Resp: 106174
 Ion Ratio Lower Upper
 152 100
 115 60.6 44.0 132.0
 150 155.4 0.0 351.8



#73
 Isopropylbenzene
 Concen: 3.106 ug/l
 RT: 10.963 min Scan# 1620
 Delta R.T. 0.000 min
 Lab File: VX033347.D
 Acq: 09 Dec 2022 15:03

Tgt Ion:105 Resp: 23901
 Ion Ratio Lower Upper
 105 100
 120 25.8 13.1 39.3





#78

n-propylbenzene

Concen: 8.863 ug/l

RT: 11.305 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX033347.D

Acq: 09 Dec 2022 15:03

Instrument :

MSVOA_X

ClientSampleId :

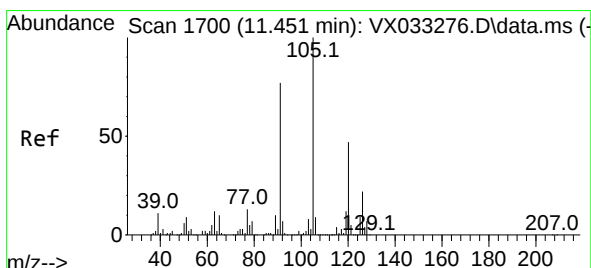
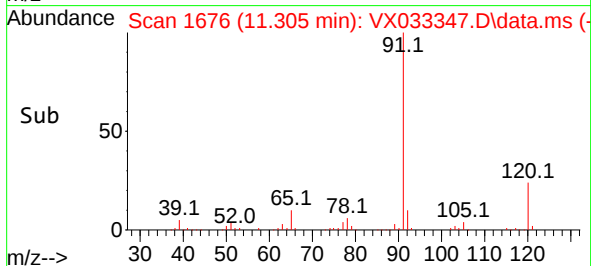
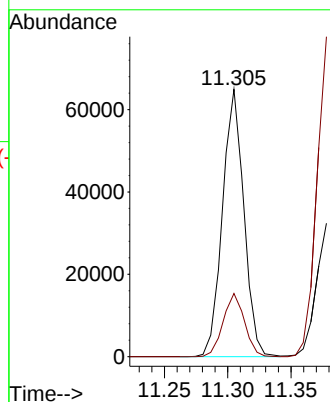
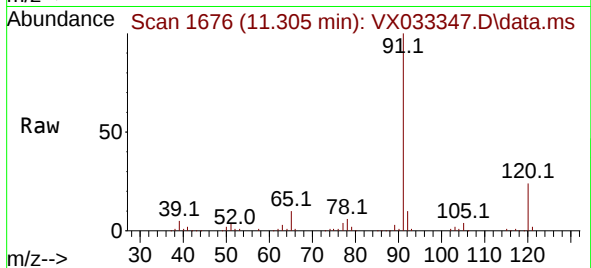
1920

Tgt Ion: 91 Resp: 76156

Ion Ratio Lower Upper

91 100

120 23.6 11.6 34.8



#80

1,3,5-Trimethylbenzene

Concen: 18.452 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX033347.D

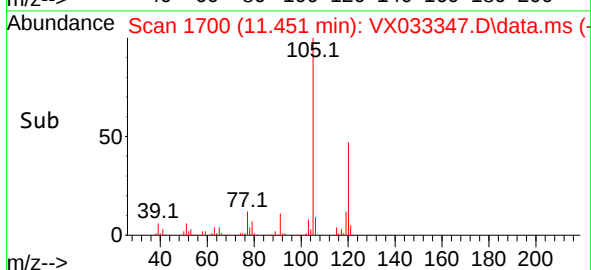
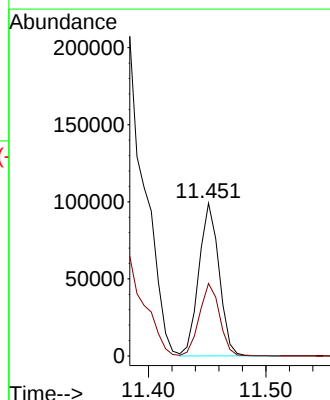
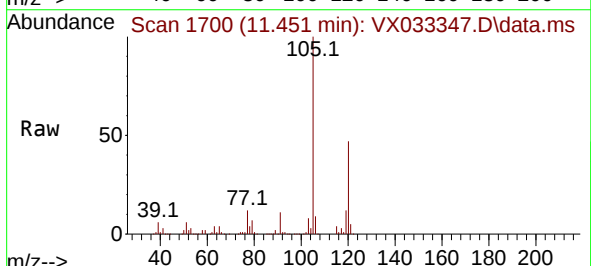
Acq: 09 Dec 2022 15:03

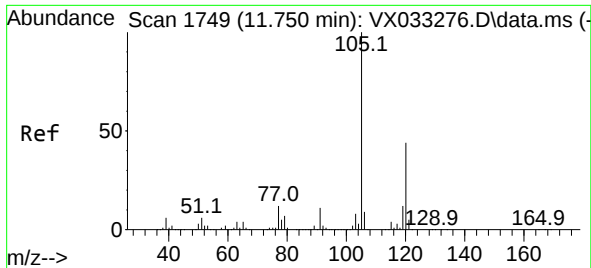
Tgt Ion: 105 Resp: 118199

Ion Ratio Lower Upper

105 100

120 47.6 23.6 71.0

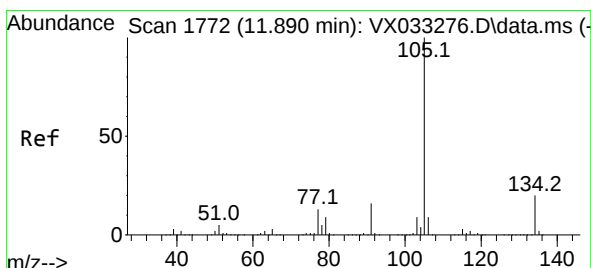
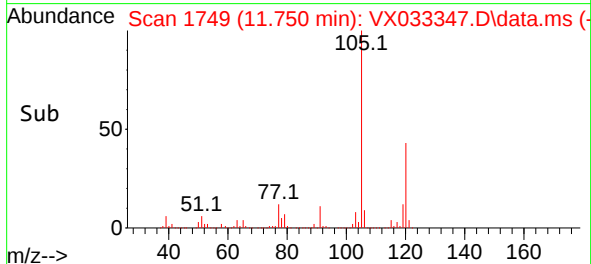
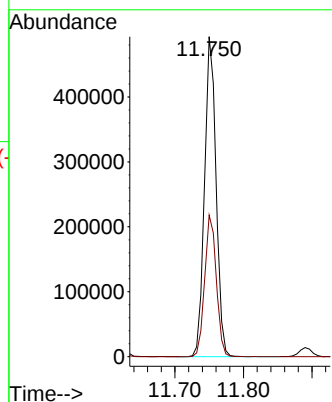
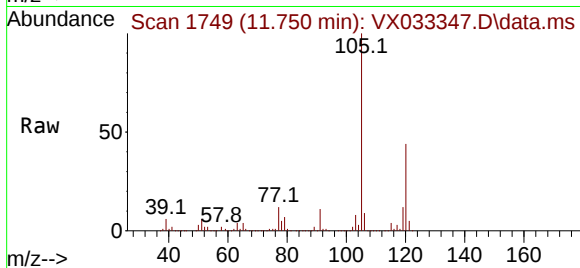




#84
1,2,4-Trimethylbenzene
Concen: 90.516 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX033347.D
Acq: 09 Dec 2022 15:03

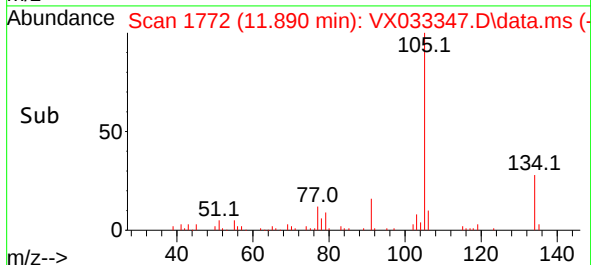
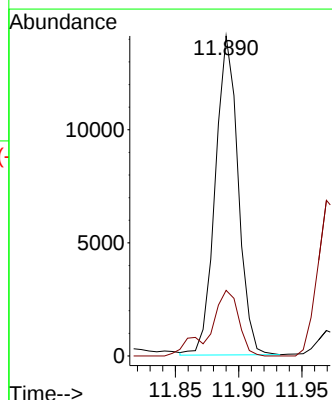
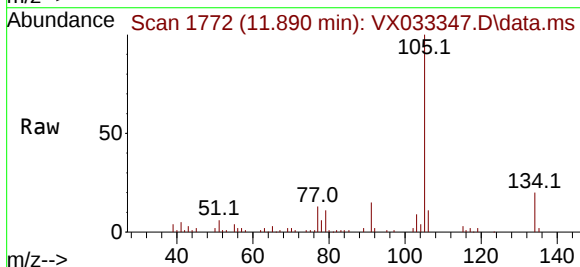
Instrument :
MSVOA_X
ClientSampleId :
1920

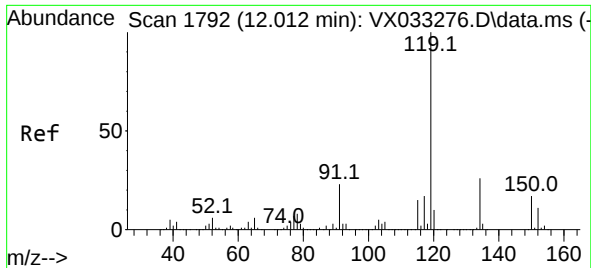
Tgt Ion:105 Resp: 578795
Ion Ratio Lower Upper
105 100
120 44.7 21.9 65.5



#85
sec-Butylbenzene
Concen: 2.373 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX033347.D
Acq: 09 Dec 2022 15:03

Tgt Ion:105 Resp: 17688
Ion Ratio Lower Upper
105 100
134 26.2 9.9 29.7

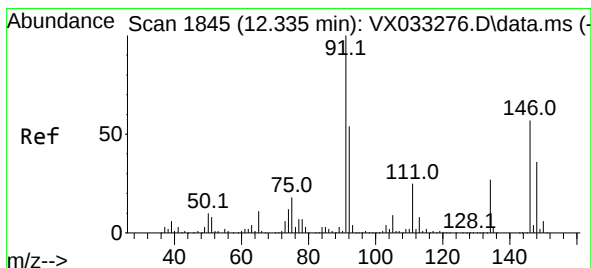
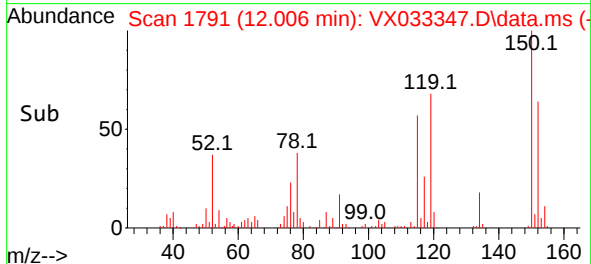
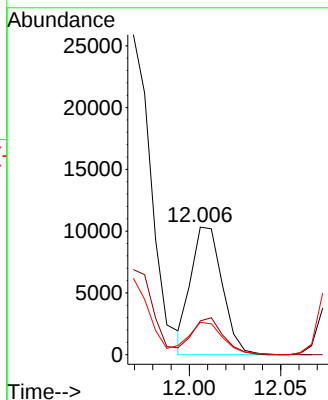
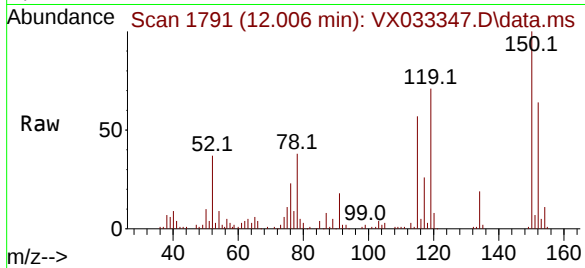




#86
p-Isopropyltoluene
Concen: 1.923 ug/l
RT: 12.006 min Scan# 11920
Delta R.T. -0.006 min
Lab File: VX033347.D
Acq: 09 Dec 2022 15:03

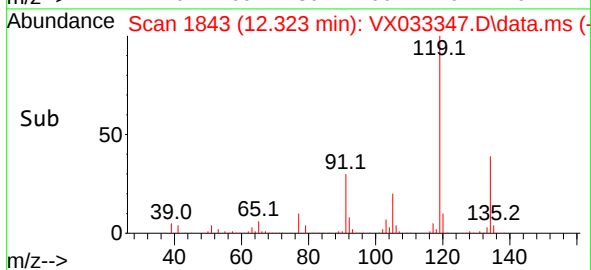
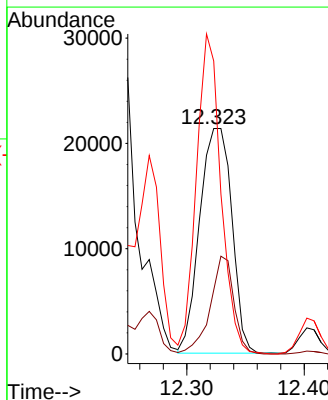
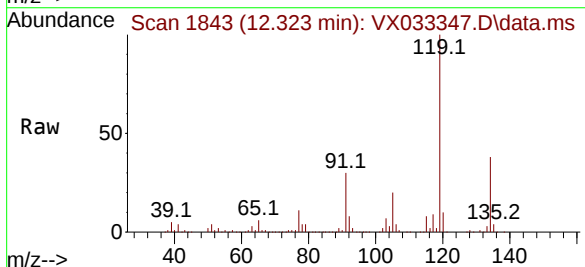
Instrument :
MSVOA_X
ClientSampleId :
1920

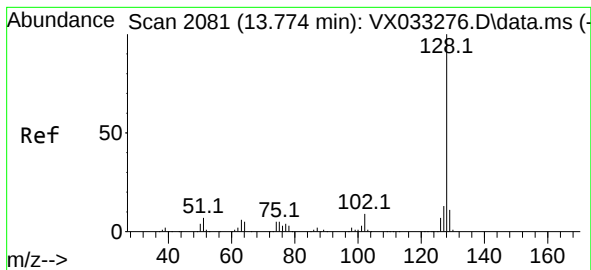
Tgt Ion:119 Resp: 12358
Ion Ratio Lower Upper
119 100
134 28.5 12.9 38.7
91 28.8 12.5 37.5



#89
n-Butylbenzene
Concen: 7.714 ug/l
RT: 12.323 min Scan# 1843
Delta R.T. -0.012 min
Lab File: VX033347.D
Acq: 09 Dec 2022 15:03

Tgt Ion: 91 Resp: 40595
Ion Ratio Lower Upper
91 100
92 32.0 26.2 78.6
134 108.5 12.9 38.6#





#95
Naphthalene
Concen: 20.676 ug/l
RT: 13.774 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX033347.D
Acq: 09 Dec 2022 15:03

Instrument :
MSVOA_X
ClientSampleId :
1920

Tgt Ion:128 Resp: 146588
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.4
129 11.6 8.9 13.3

