

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102022\
 Data File : VX032266.D
 Acq On : 20 Oct 2022 16:27
 Operator : JC/MD
 Sample : N5187-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BUR-1226

Quant Time: Oct 21 01:26:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101922W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 19 16:51:09 2022
 Response via : Initial Calibration

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

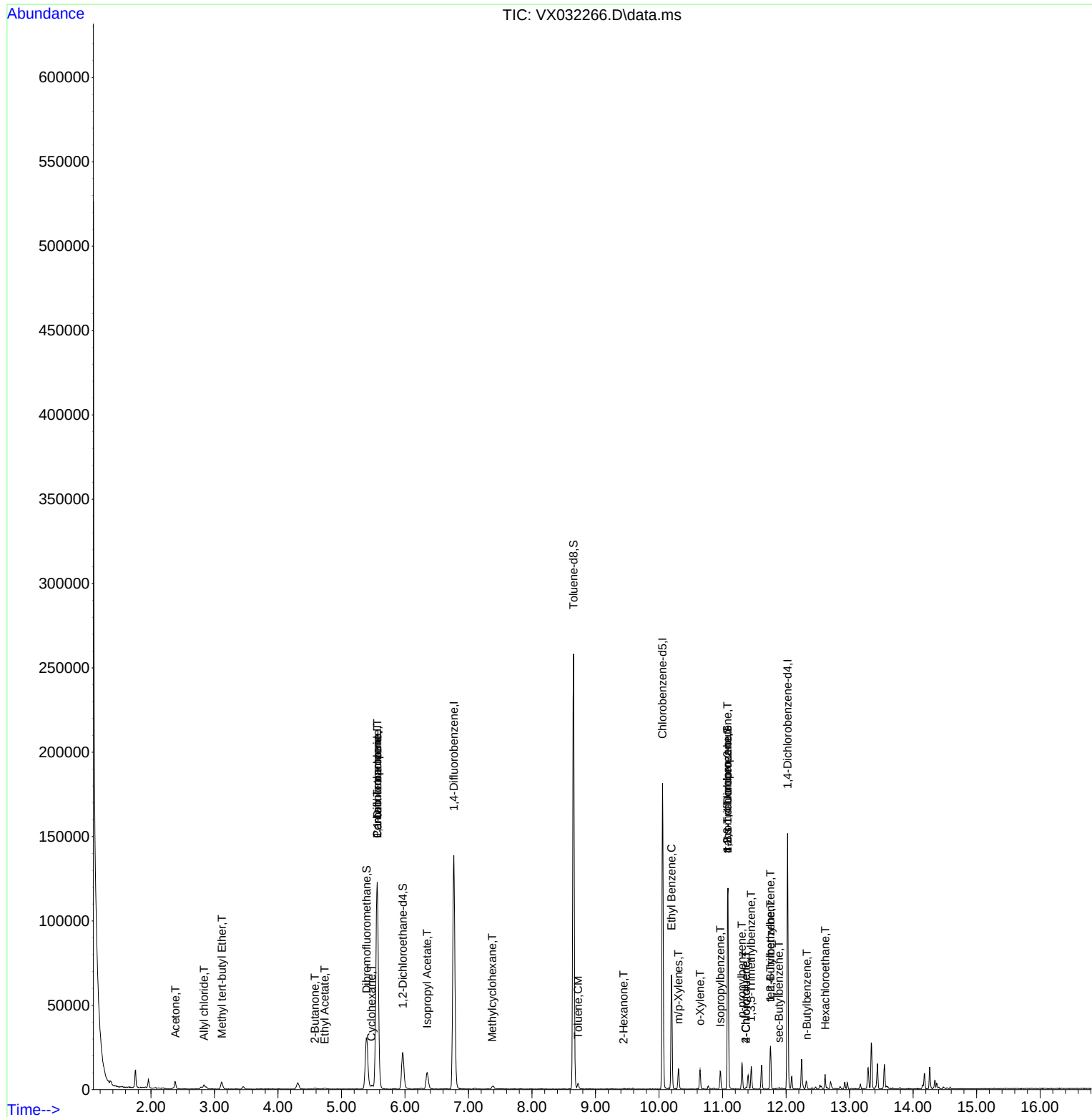
Internal Standards						
1) Pentafluorobenzene	5.562	168	114396	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	138704	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	78466	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	29522	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	22664	15.229	ug/l	0.01
Spiked Amount	50.000	Range	78 - 117	Recovery	=	30.460%#
35) Dibromofluoromethane	5.397	113	26790	27.756	ug/l	0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	=	55.520%#
50) Toluene-d8	8.653	98	153489	44.177	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	88.360%#
62) 4-Bromofluorobenzene	11.079	95	31247	24.560	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	49.120%#
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.952	59	355	Below Cal	#	74
14) Allyl chloride	2.837	41	1541	0.961	ug/l #	47
16) Acetone	2.386	43	5176	10.718	ug/l	94
19) Methyl tert-butyl Ether	3.117	73	2414	0.686	ug/l #	1
25) 2-Butanone	4.580	43	1527	2.025	ug/l #	75
31) Cyclohexane	5.470	56	1356	0.797	ug/l #	85
36) 1,1-Dichloropropene	5.562	75	8758	7.054	ug/l #	49
37) Ethyl Acetate	4.733	43	1618	1.331	ug/l #	71
38) Carbon Tetrachloride	5.562	117	12120	9.247	ug/l #	17
39) Methylcyclohexane	7.372	83	485	0.327	ug/l #	80
43) Isopropyl Acetate	6.348	43	13591	7.123	ug/l	98
52) Toluene	8.726	92	1343	0.576	ug/l	94
59) 2-Hexanone	9.439	43	277	0.310	ug/l	78
67) Ethyl Benzene	10.195	91	38417	13.488	ug/l	96
68) m/p-Xylenes	10.305	106	2804	2.493	ug/l	93
69) o-Xylene	10.646	106	2362	2.192	ug/l	95
73) Isopropylbenzene	10.963	105	5651	2.683	ug/l	100
76) 1,2,3-Trichloropropane	11.079	75	17382	29.715	ug/l #	45
78) n-propylbenzene	11.305	91	10170	4.216	ug/l	98
79) 2-Chlorotoluene	11.366	91	720	0.495	ug/l	80
80) 1,3,5-Trimethylbenzene	11.451	105	5789	3.182	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.079	75	17382	90.960	ug/l #	6
82) 4-Chlorotoluene	11.366	91	720	0.425	ug/l	88
83) tert-Butylbenzene	11.756	119	1317	0.723	ug/l #	49
84) 1,2,4-Trimethylbenzene	11.756	105	11672	6.598	ug/l	99
85) sec-Butylbenzene	11.890	105	674	0.306	ug/l #	73
89) n-Butylbenzene	12.329	91	939	0.569	ug/l #	39
90) Hexachloroethane	12.615	117	460	1.584	ug/l #	11

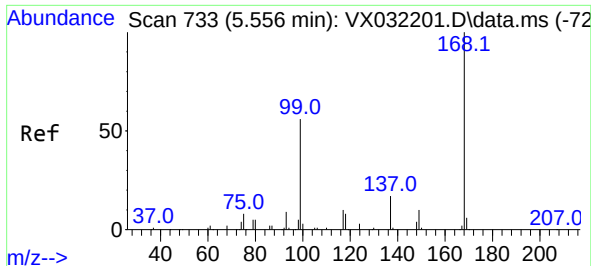
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102022\
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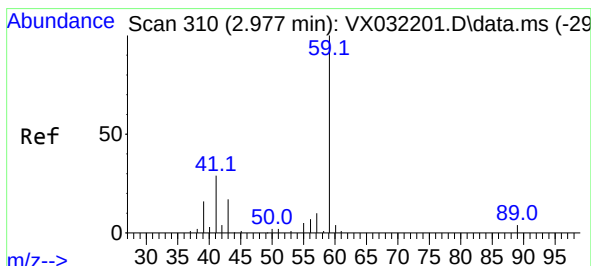
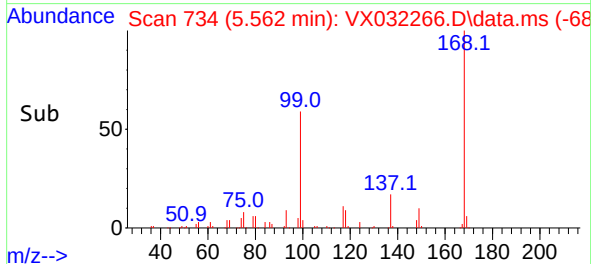
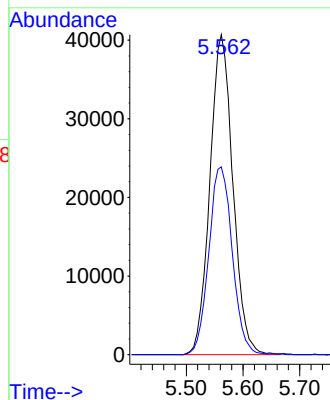
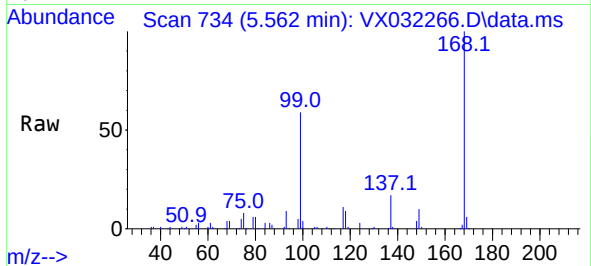




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX032266.D
Acq: 20 Oct 2022 16:27

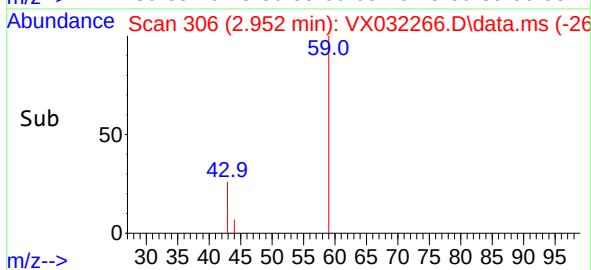
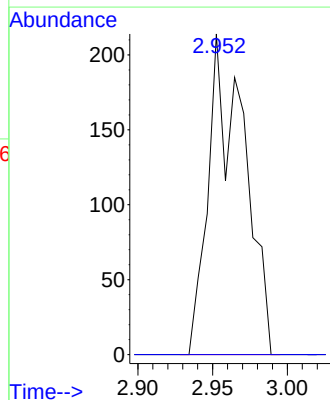
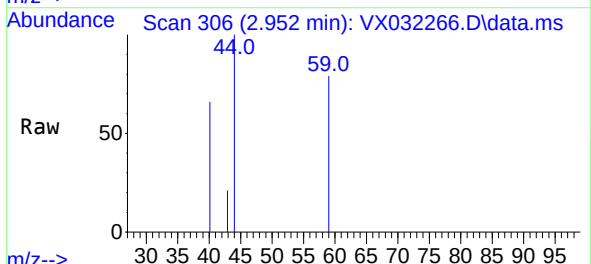
Instrument :
MSVOA_X
ClientSampleId :
BUR-1226

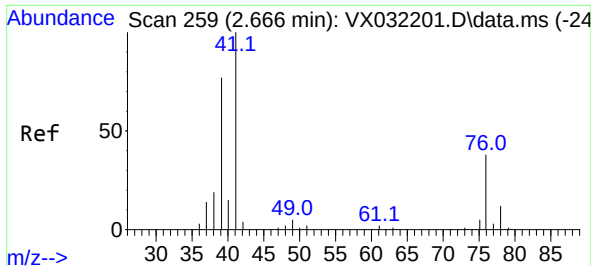
Tgt Ion:168 Resp: 114396
Ion Ratio Lower Upper
168 100
99 58.7 44.8 67.2



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.952 min Scan# 306
Delta R.T. -0.025 min
Lab File: VX032266.D
Acq: 20 Oct 2022 16:27

Tgt Ion: 59 Resp: 355
Ion Ratio Lower Upper
59 100
57 0.0 7.5 11.3#

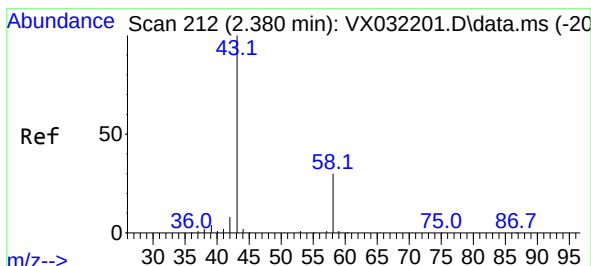
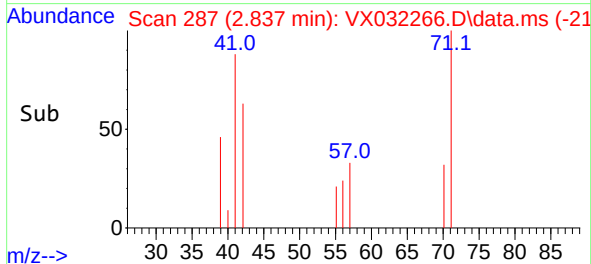
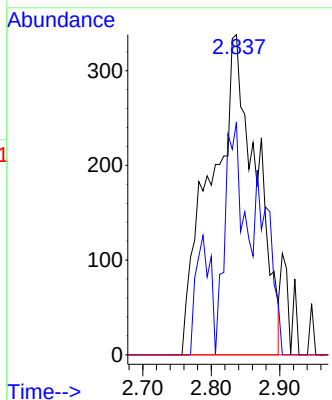
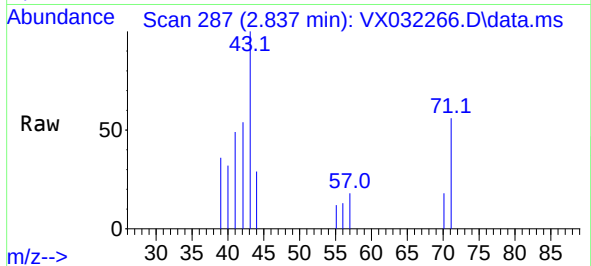




#14
 Allyl chloride
 Concen: 0.961 ug/l
 RT: 2.837 min Scan# 213
 Delta R.T. 0.171 min
 Lab File: VX032266.D
 Acq: 20 Oct 2022 16:27

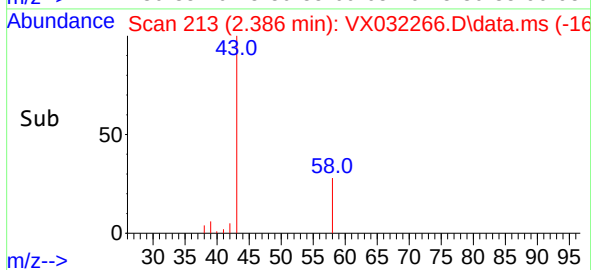
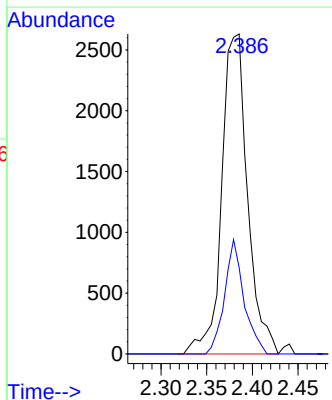
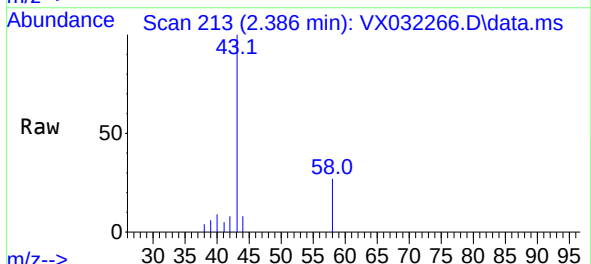
Instrument :
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 ClientSampleId :
 BUR-1226

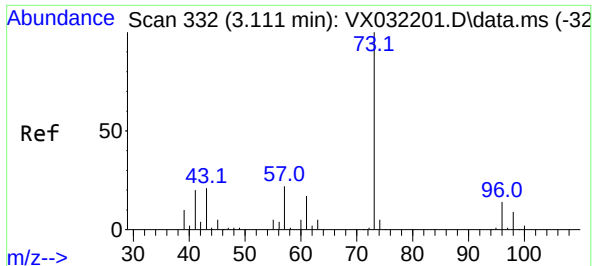
Tgt Ion: 41 Resp: 1541
 Ion Ratio Lower Upper
 41 100
 39 32.6 59.5 89.3#
 76 0.0 28.6 42.8#



#16
 Acetone
 Concen: 10.718 ug/l
 RT: 2.386 min Scan# 213
 Delta R.T. 0.006 min
 Lab File: VX032266.D
 Acq: 20 Oct 2022 16:27

Tgt Ion: 43 Resp: 5176
 Ion Ratio Lower Upper
 43 100
 58 26.9 24.2 36.2





#19

Methyl tert-butyl Ether

Concen: 0.686 ug/l

RT: 3.117 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX032266.D

Acq: 20 Oct 2022 16:27

Instrument :

MSVOA_X

ClientSampleId :

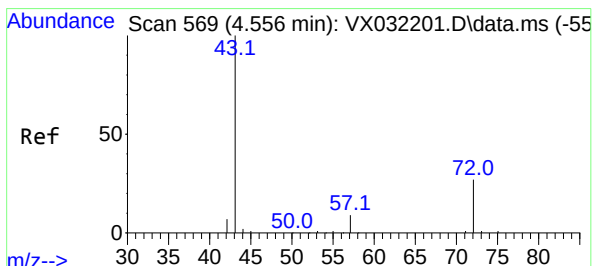
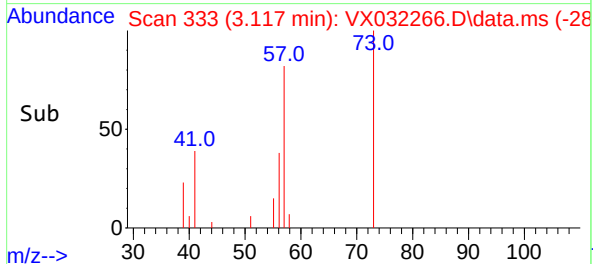
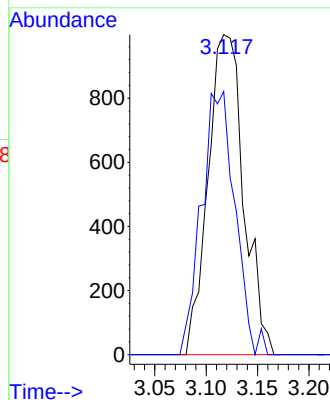
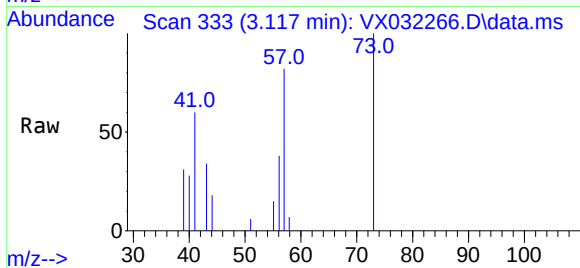
BUR-1226

Tgt Ion: 73 Resp: 2414

Ion Ratio Lower Upper

73 100

57 82.3 17.4 26.2#



#25

2-Butanone

Concen: 2.025 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.024 min

Lab File: VX032266.D

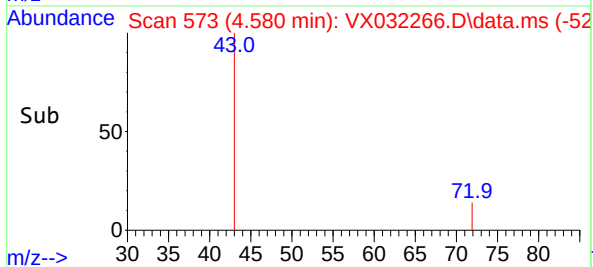
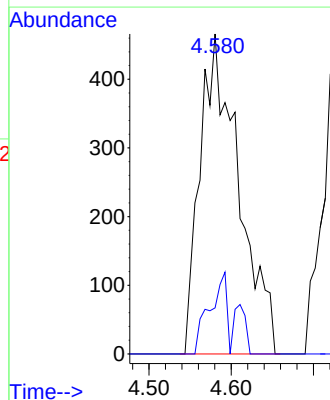
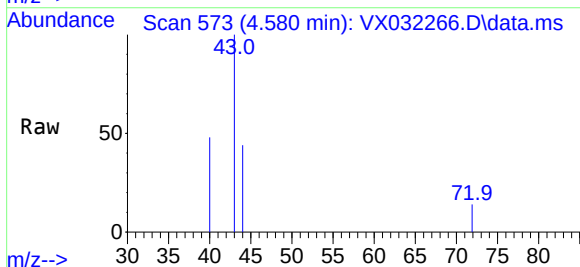
Acq: 20 Oct 2022 16:27

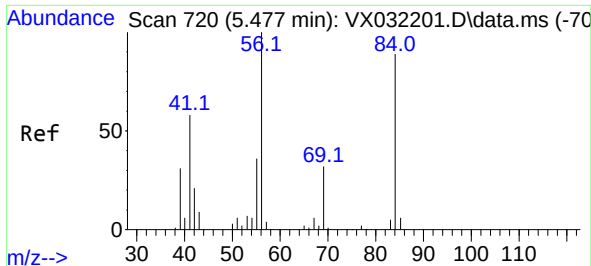
Tgt Ion: 43 Resp: 1527

Ion Ratio Lower Upper

43 100

72 14.4 21.7 32.5#

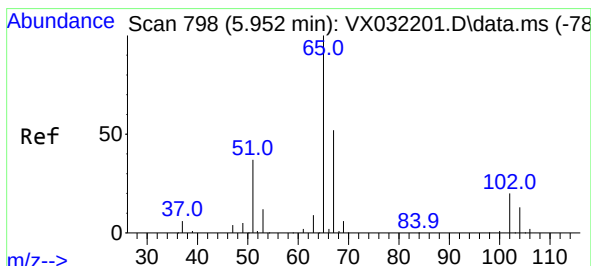
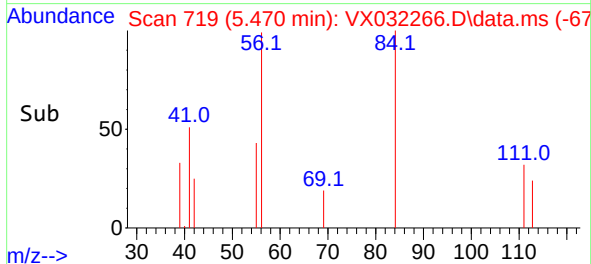
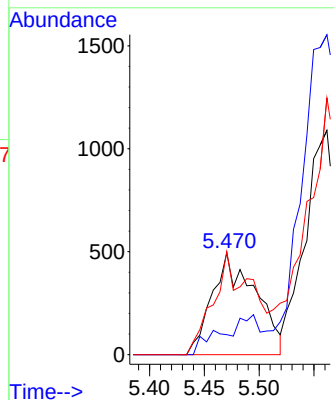
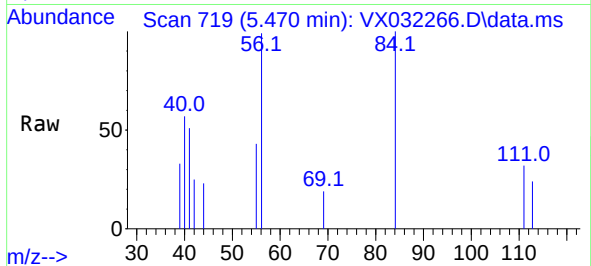




#31
Cyclohexane
Concen: 0.797 ug/l
RT: 5.470 min Scan# 719
Delta R.T. -0.007 min
Lab File: VX032266.D
Acq: 20 Oct 2022 16:27

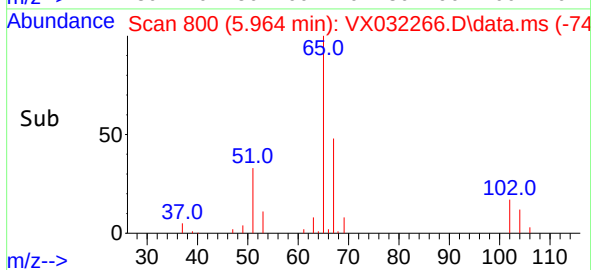
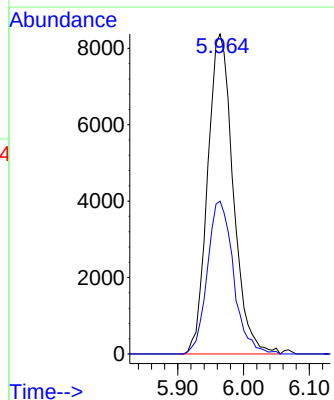
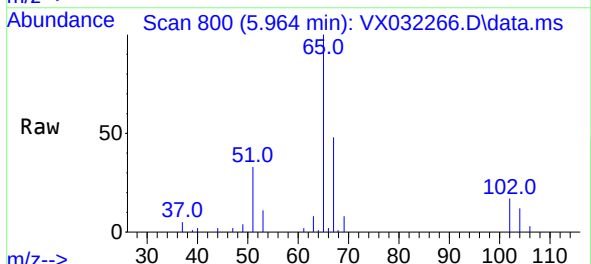
Instrument :
MSVOA_X
ClientSampleId :
BUR-1226

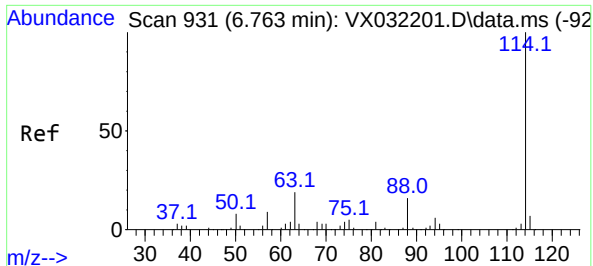
Tgt Ion: 56 Resp: 1356
Ion Ratio Lower Upper
56 100
69 19.6 25.4 38.0#
84 101.0 71.2 106.8



#33
1,2-Dichloroethane-d4
Concen: 15.229 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.012 min
Lab File: VX032266.D
Acq: 20 Oct 2022 16:27

Tgt Ion: 65 Resp: 22664
Ion Ratio Lower Upper
65 100
67 48.8 0.0 103.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX032266.D

Acq: 20 Oct 2022 16:27

Instrument :

MSVOA_X

ClientSampleId :

BUR-1226

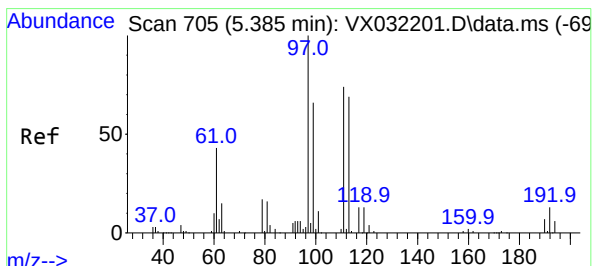
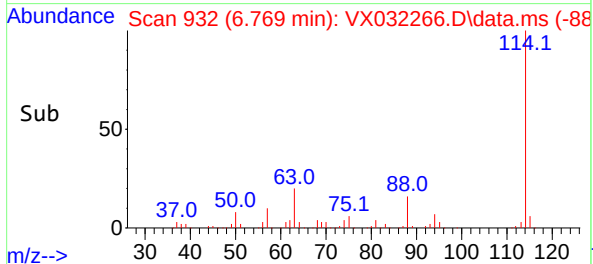
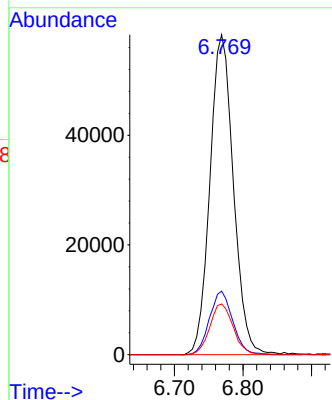
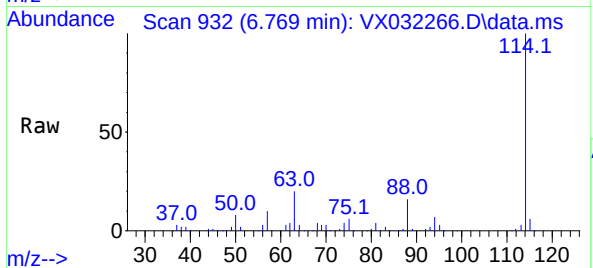
Tgt Ion:114 Resp: 138704

Ion Ratio Lower Upper

114 100

63 19.9 0.0 38.6

88 15.9 0.0 32.6



#35

Dibromofluoromethane

Concen: 27.756 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.012 min

Lab File: VX032266.D

Acq: 20 Oct 2022 16:27

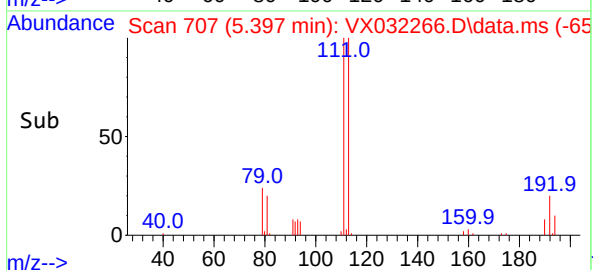
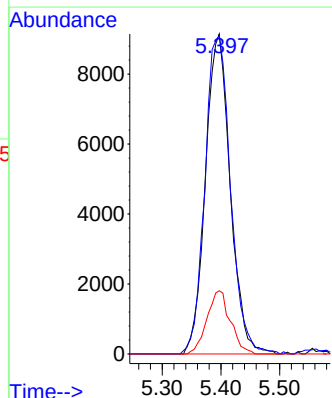
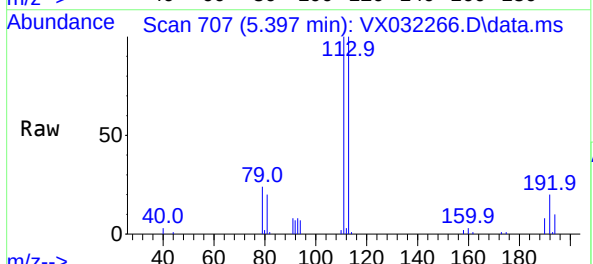
Tgt Ion:113 Resp: 26790

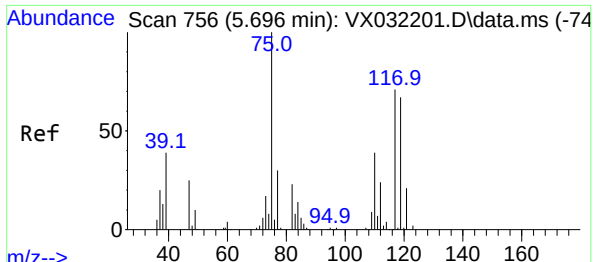
Ion Ratio Lower Upper

113 100

111 103.2 82.8 124.2

192 18.6 15.5 23.3

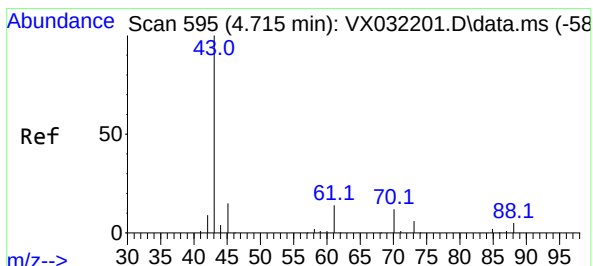
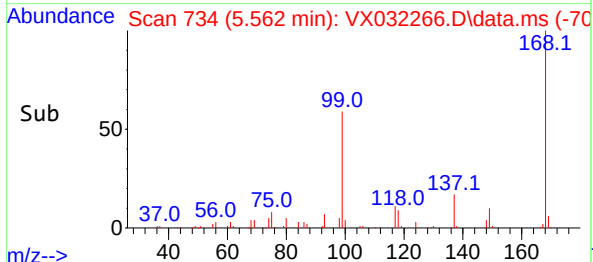
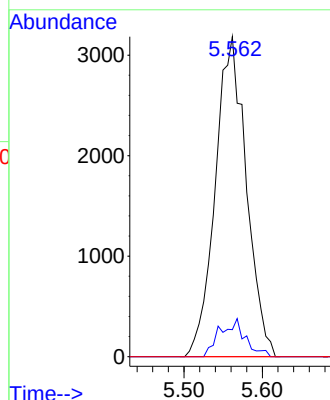
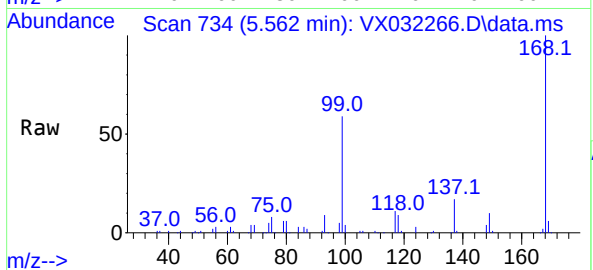




#36
1,1-Dichloropropene
Concen: 7.054 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX032266.D
Acq: 20 Oct 2022 16:27

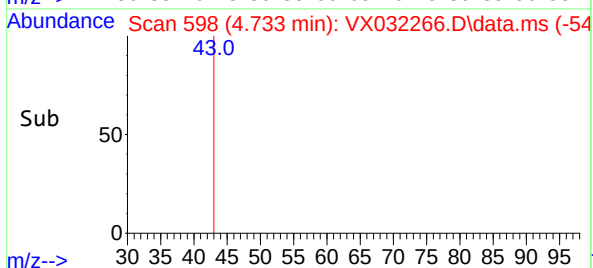
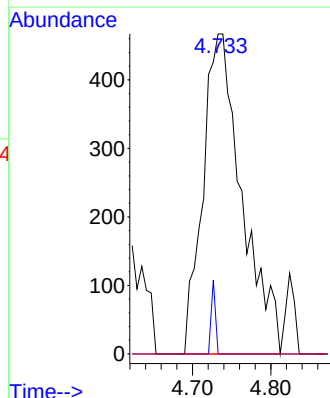
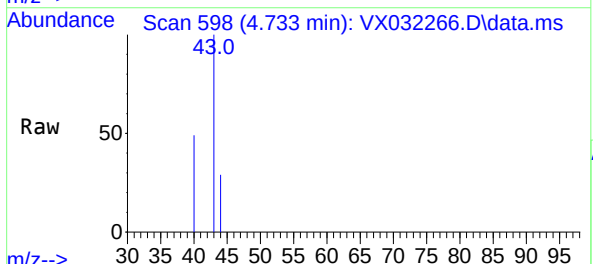
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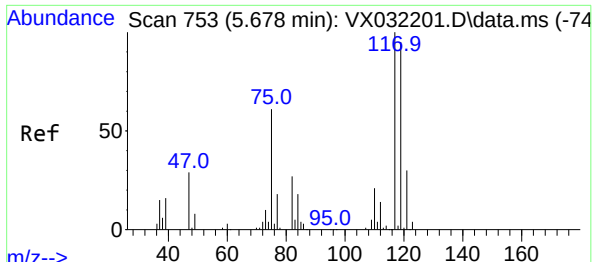
Tgt Ion: 75 Resp: 8758
Ion Ratio Lower Upper
75 100
110 9.6 18.4 55.0#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.331 ug/l
RT: 4.733 min Scan# 598
Delta R.T. 0.018 min
Lab File: VX032266.D
Acq: 20 Oct 2022 16:27

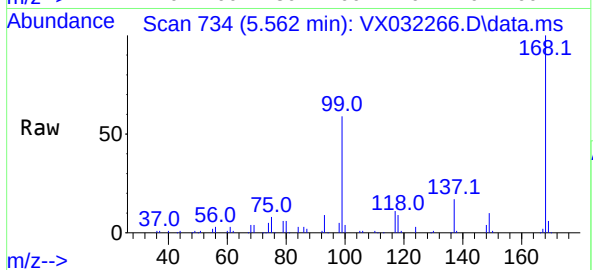
Tgt Ion: 43 Resp: 1618
Ion Ratio Lower Upper
43 100
61 2.5 11.4 17.2#
70 0.0 8.8 13.2#



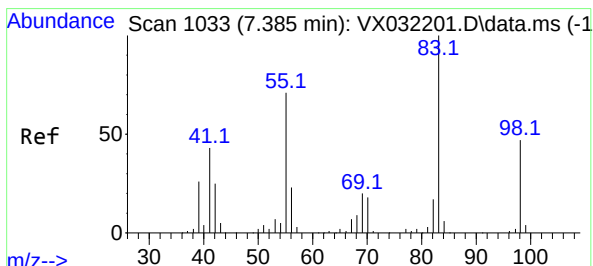
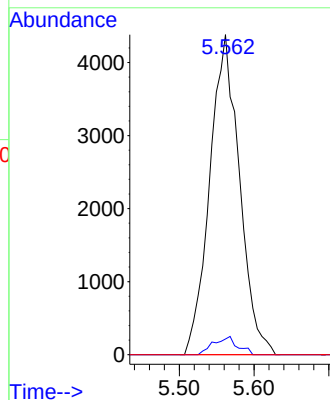
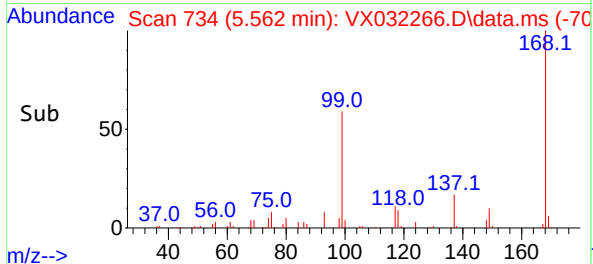


#38
Carbon Tetrachloride
Concen: 9.247 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.116 min
Lab File: VX032266.D
Acq: 20 Oct 2022 16:27

Instrument :
MSVOA_X
ClientSampleId :
BUR-1226

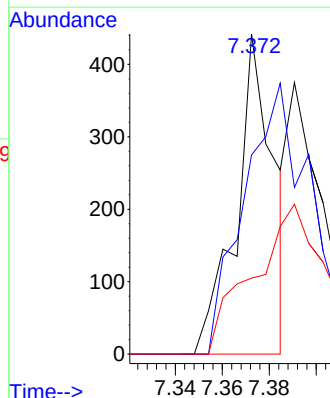
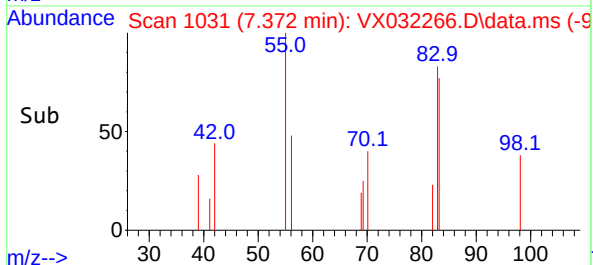
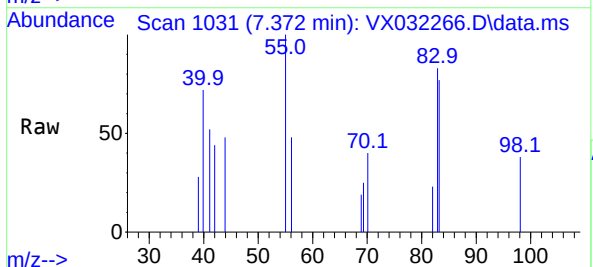


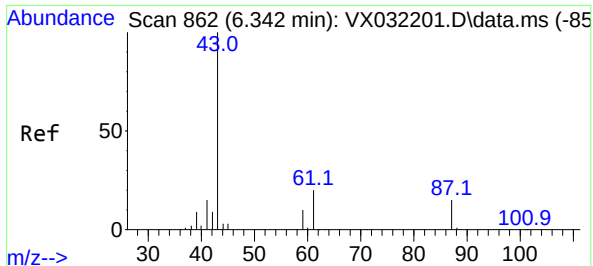
Tgt Ion:117 Resp: 12120
Ion Ratio Lower Upper
117 100
119 4.9 75.4 113.0#
121 0.0 23.9 35.9#



#39
Methylcyclohexane
Concen: 0.327 ug/l
RT: 7.372 min Scan# 1031
Delta R.T. -0.013 min
Lab File: VX032266.D
Acq: 20 Oct 2022 16:27

Tgt Ion: 83 Resp: 485
Ion Ratio Lower Upper
83 100
55 62.2 56.6 85.0
98 23.8 37.4 56.0#

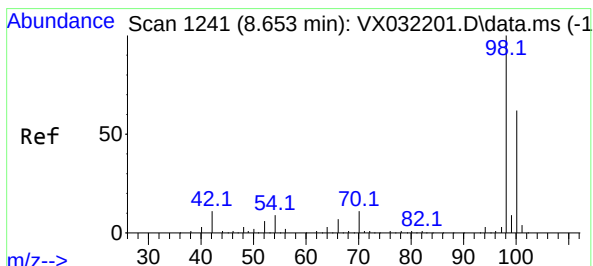
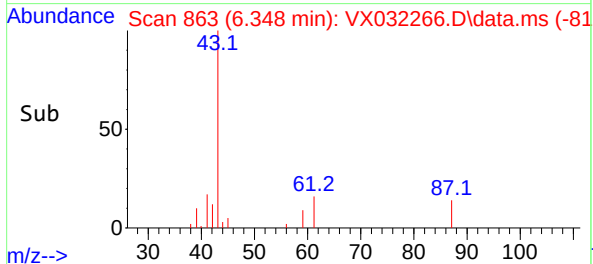
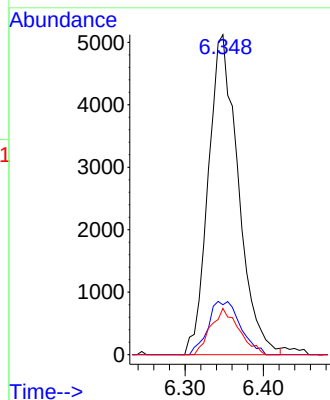
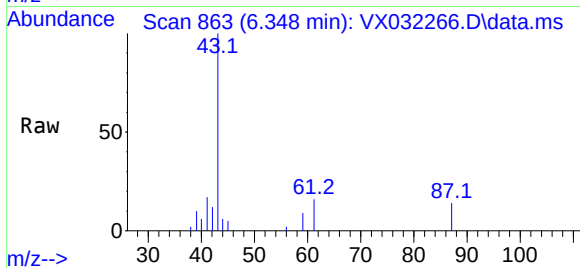




#43
Isopropyl Acetate
Concen: 7.123 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX032266.D
Acq: 20 Oct 2022 16:27

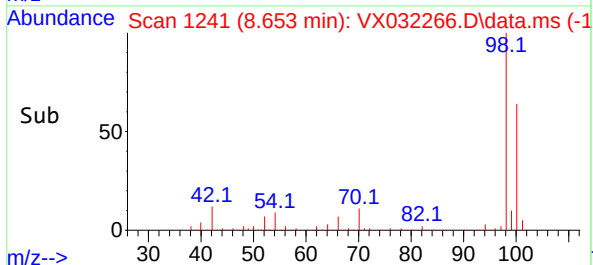
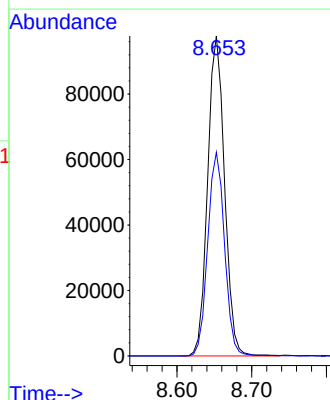
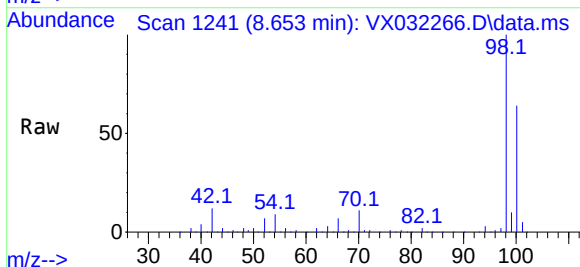
Instrument :
MSVOA_X
ClientSampleId :
BUR-1226

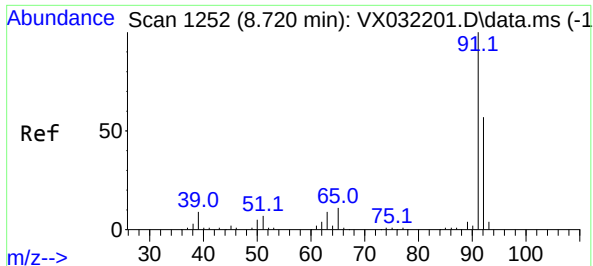
Tgt Ion: 43 Resp: 13591
Ion Ratio Lower Upper
43 100
61 18.0 15.5 23.3
87 13.6 11.0 16.6



#50
Toluene-d8
Concen: 44.177 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX032266.D
Acq: 20 Oct 2022 16:27

Tgt Ion: 98 Resp: 153489
Ion Ratio Lower Upper
98 100
100 63.5 50.7 76.1





#52

Toluene

Concen: 0.576 ug/l

RT: 8.726 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VX032266.D

Acq: 20 Oct 2022 16:27

Instrument :

MSVOA_X

ClientSampleId :

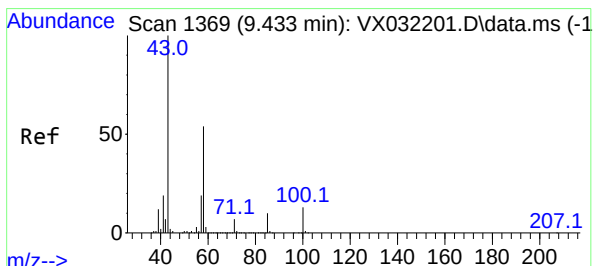
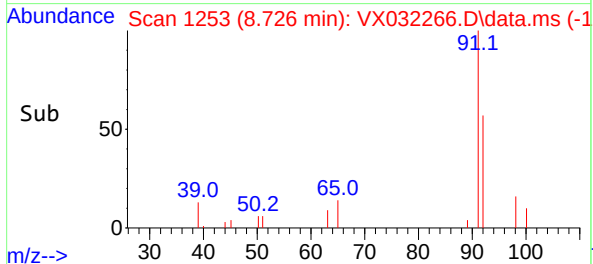
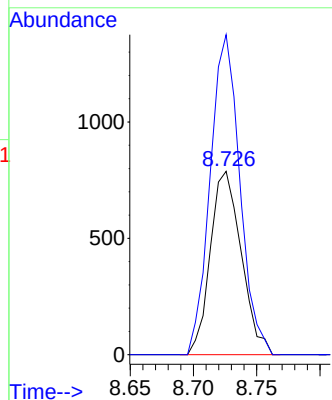
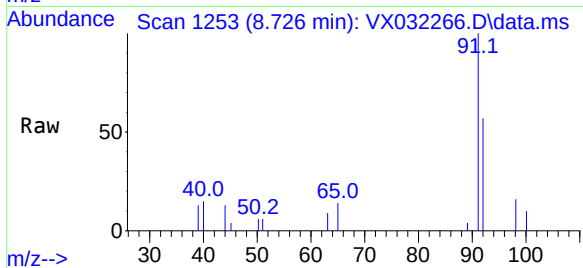
BUR-1226

Tgt Ion: 92 Resp: 1343

Ion Ratio Lower Upper

92 100

91 167.1 140.3 210.5



#59

2-Hexanone

Concen: 0.310 ug/l

RT: 9.439 min Scan# 1370

Delta R.T. 0.006 min

Lab File: VX032266.D

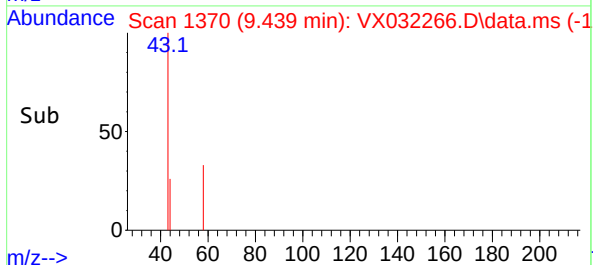
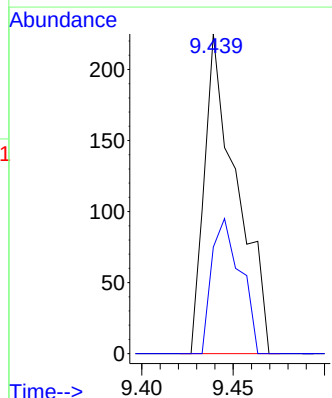
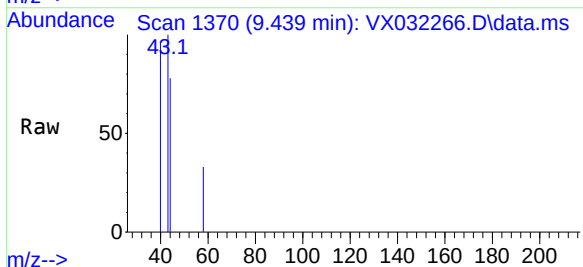
Acq: 20 Oct 2022 16:27

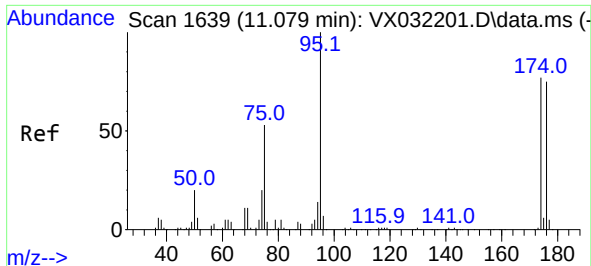
Tgt Ion: 43 Resp: 277

Ion Ratio Lower Upper

43 100

58 37.5 26.7 80.1





#62

4-Bromofluorobenzene

Concen: 24.560 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX032266.D

Acq: 20 Oct 2022 16:27

Instrument :

MSVOA_X

ClientSampleId :

BUR-1226

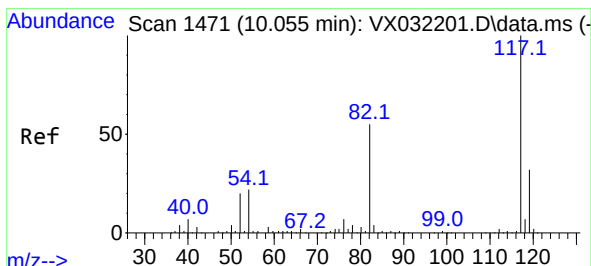
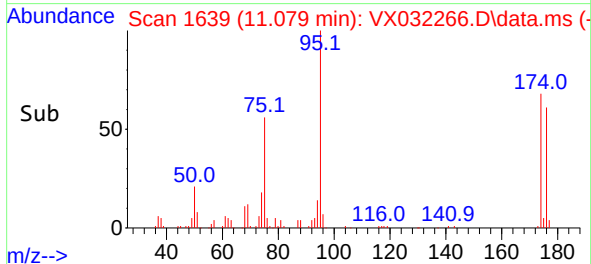
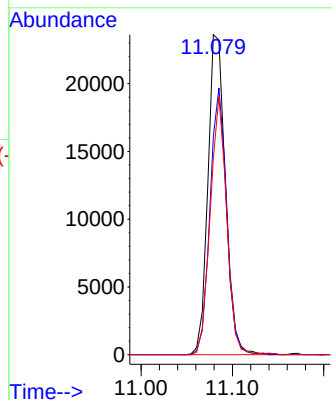
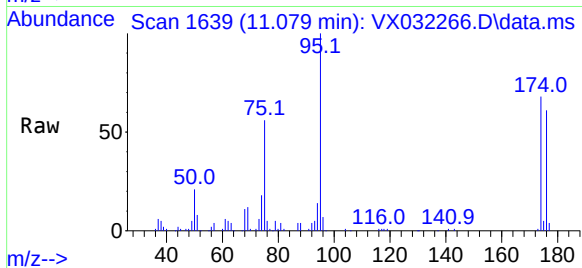
Tgt Ion: 95 Resp: 31247

Ion Ratio Lower Upper

95 100

174 80.2 0.0 166.8

176 75.8 0.0 161.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX032266.D

Acq: 20 Oct 2022 16:27

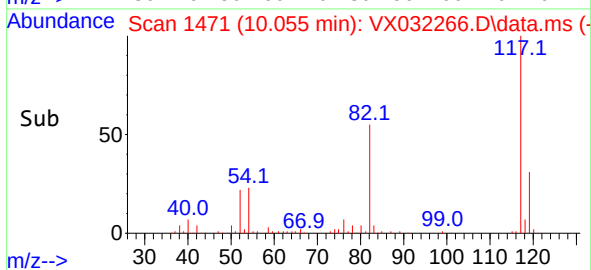
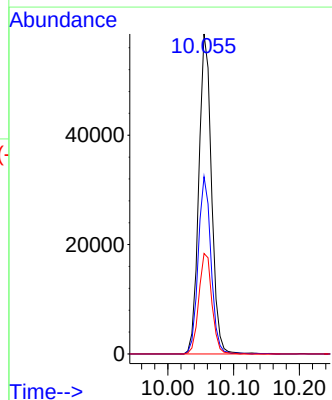
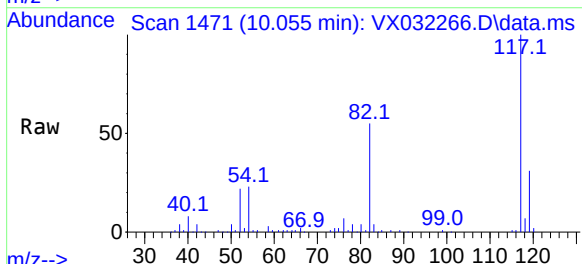
Tgt Ion: 117 Resp: 78466

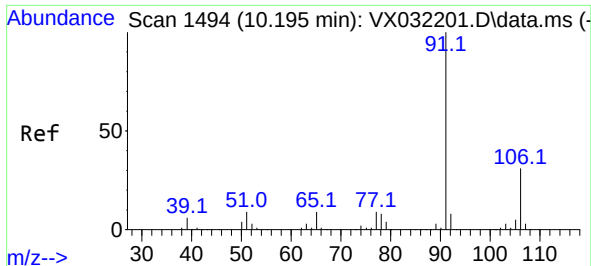
Ion Ratio Lower Upper

117 100

82 55.4 44.2 66.4

119 31.4 25.8 38.8

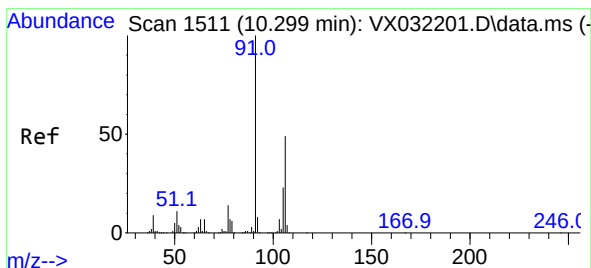
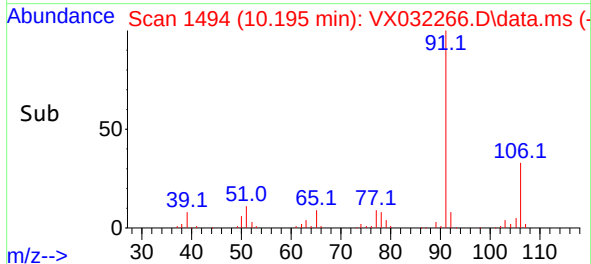
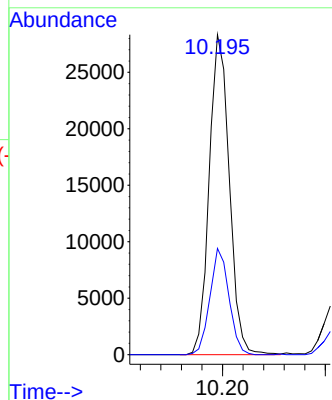
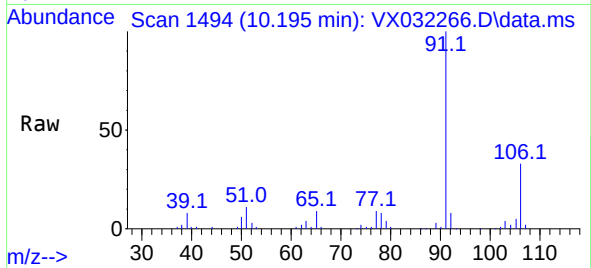




#67
Ethyl Benzene
Concen: 13.488 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX032266.D
Acq: 20 Oct 2022 16:27

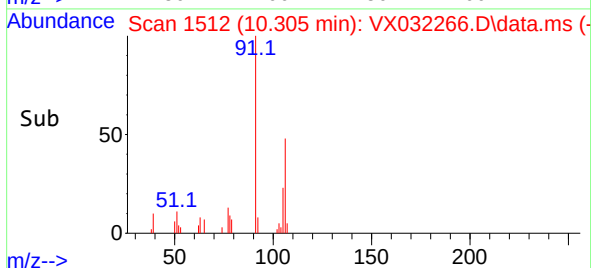
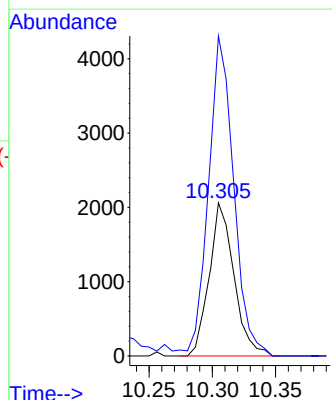
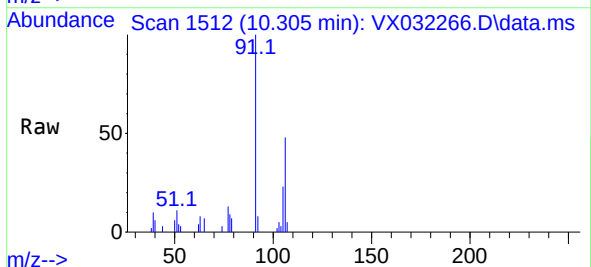
Instrument :
MSVOA_X
ClientSampleId :
BUR-1226

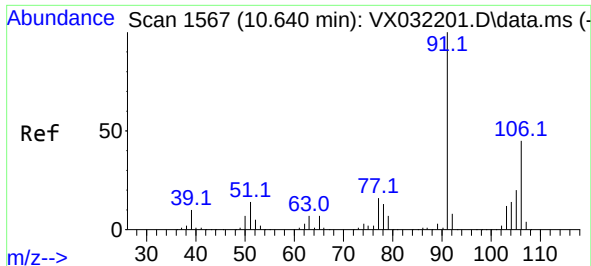
Tgt Ion: 91 Resp: 38417
Ion Ratio Lower Upper
91 100
106 33.2 25.0 37.4



#68
m/p-Xylenes
Concen: 2.493 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX032266.D
Acq: 20 Oct 2022 16:27

Tgt Ion: 106 Resp: 2804
Ion Ratio Lower Upper
106 100
91 213.4 162.6 244.0

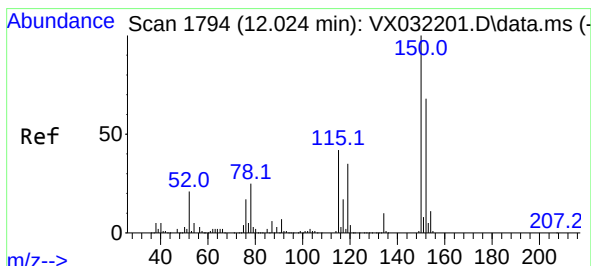
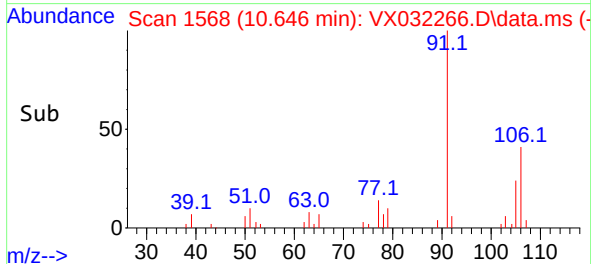
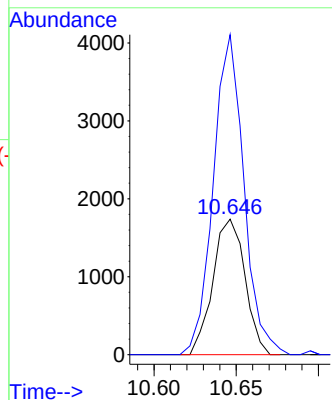
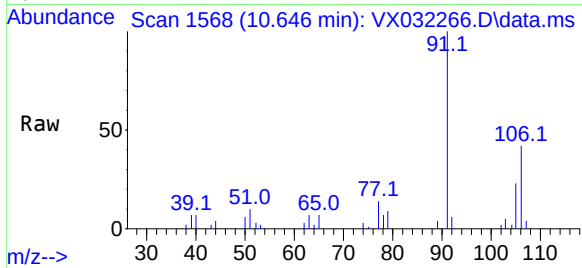




#69
o-Xylene
Concen: 2.192 ug/l
RT: 10.646 min Scan# 1567
Delta R.T. 0.006 min
Lab File: VX032266.D
Acq: 20 Oct 2022 16:27

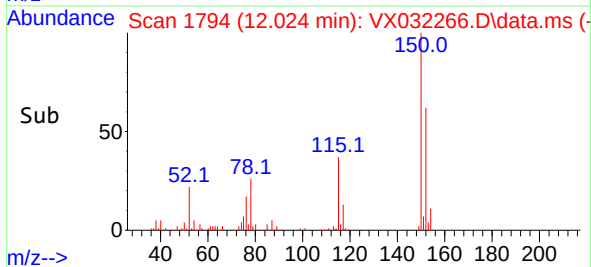
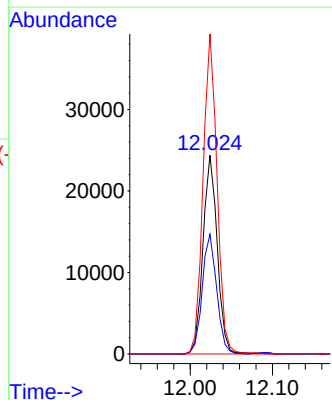
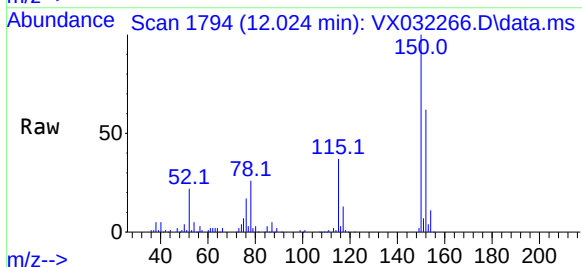
Instrument :
MSVOA_X
ClientSampleId :
BUR-1226

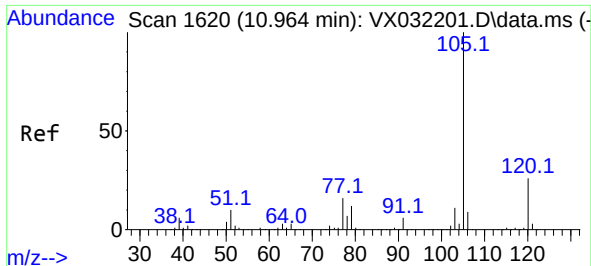
Tgt Ion:106 Resp: 2362
Ion Ratio Lower Upper
106 100
91 224.9 108.3 324.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX032266.D
Acq: 20 Oct 2022 16:27

Tgt Ion:152 Resp: 29522
Ion Ratio Lower Upper
152 100
115 60.8 43.1 129.4
150 157.7 0.0 348.6

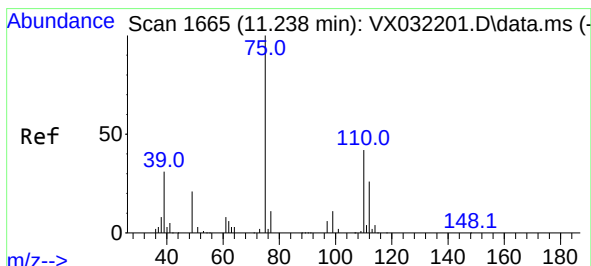
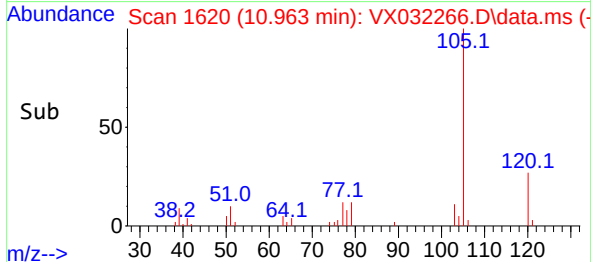
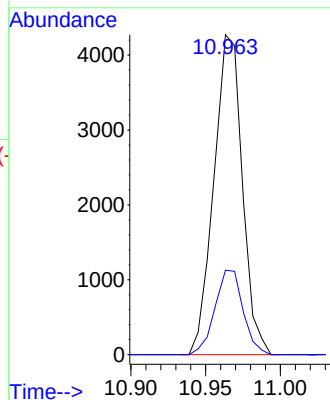
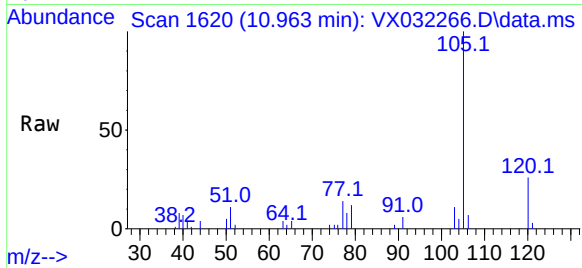




#73
Isopropylbenzene
Concen: 2.683 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. -0.001 min
Lab File: VX032266.D
Acq: 20 Oct 2022 16:27

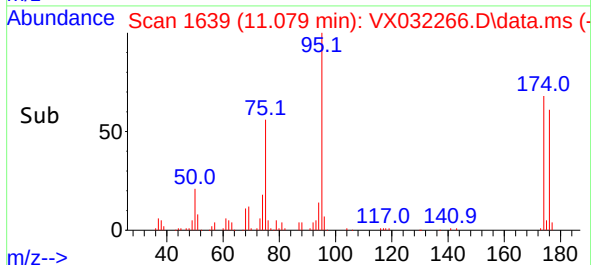
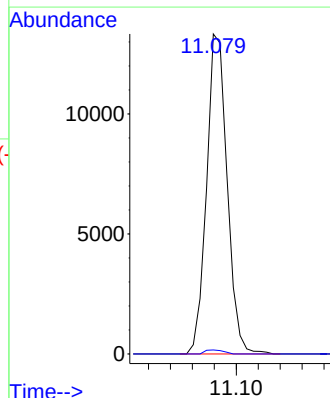
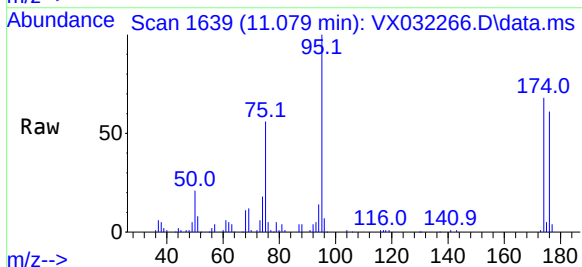
Instrument :
MSVOA_X
ClientSampleId :
BUR-1226

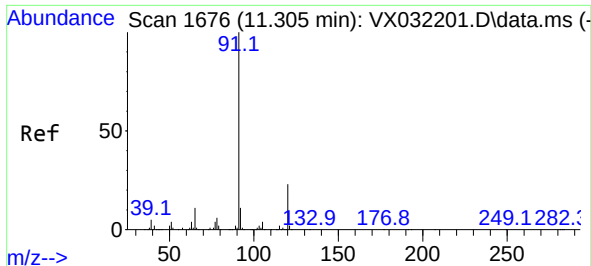
Tgt Ion:105 Resp: 5651
Ion Ratio Lower Upper
105 100
120 26.2 13.2 39.6



#76
1,2,3-Trichloropropane
Concen: 29.715 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX032266.D
Acq: 20 Oct 2022 16:27

Tgt Ion: 75 Resp: 17382
Ion Ratio Lower Upper
75 100
77 1.1 16.0 47.9#

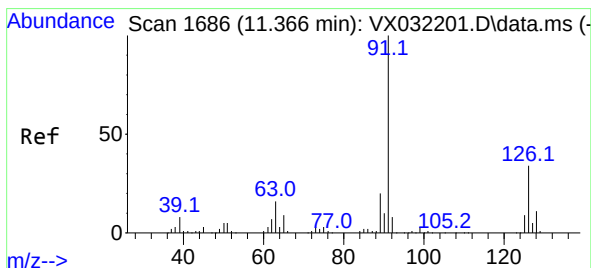
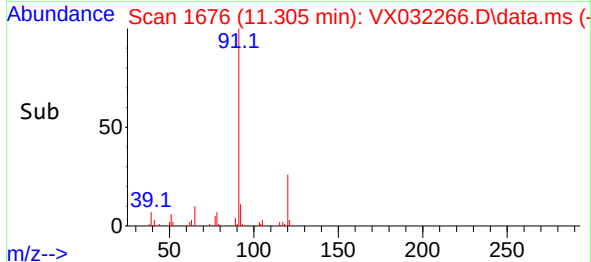
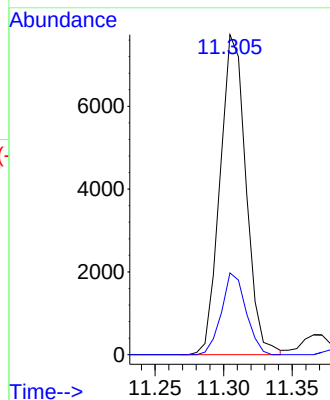
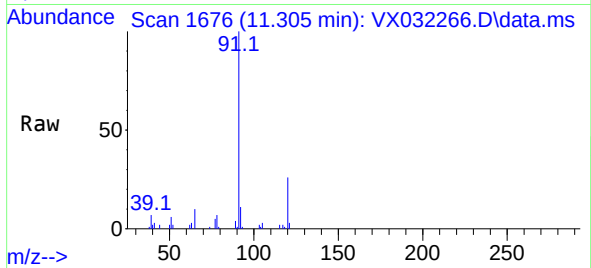




#78
n-propylbenzene
Concen: 4.216 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX032266.D
Acq: 20 Oct 2022 16:27

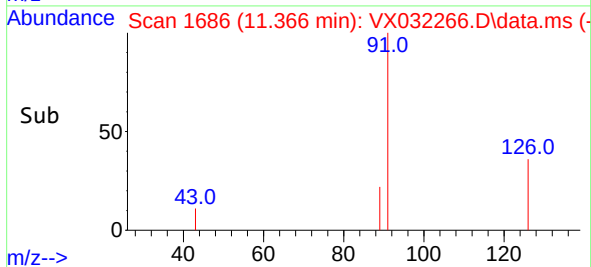
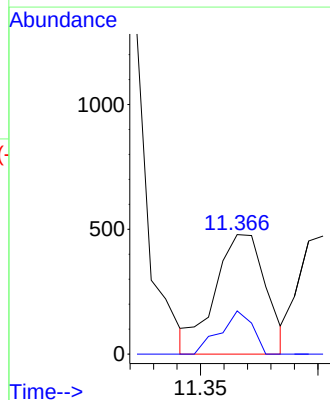
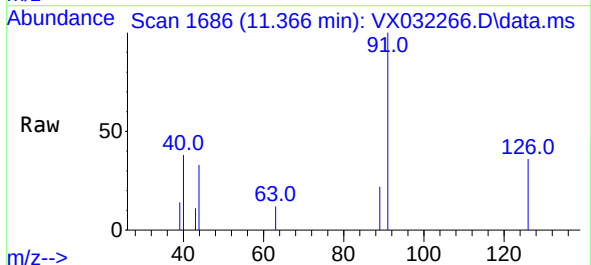
Instrument :
MSVOA_X
ClientSampleId :
BUR-1226

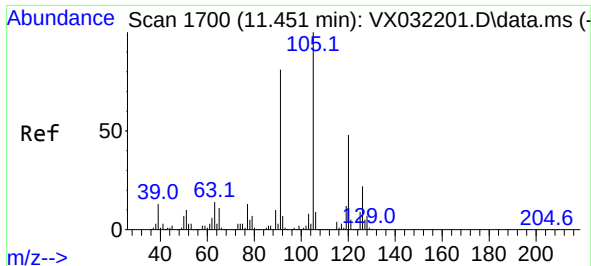
Tgt Ion: 91 Resp: 10170
Ion Ratio Lower Upper
91 100
120 24.1 11.6 34.8



#79
2-Chlorotoluene
Concen: 0.495 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VX032266.D
Acq: 20 Oct 2022 16:27

Tgt Ion: 91 Resp: 720
Ion Ratio Lower Upper
91 100
126 23.1 17.3 51.9

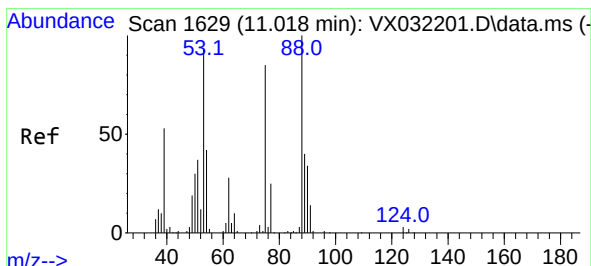
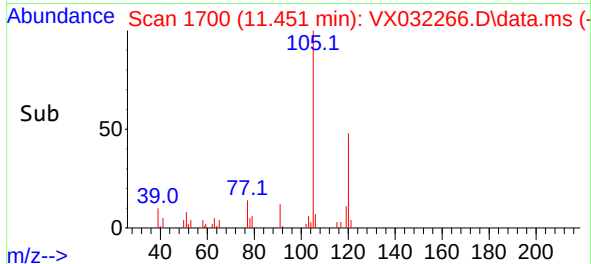
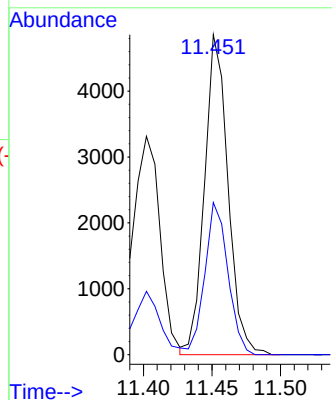
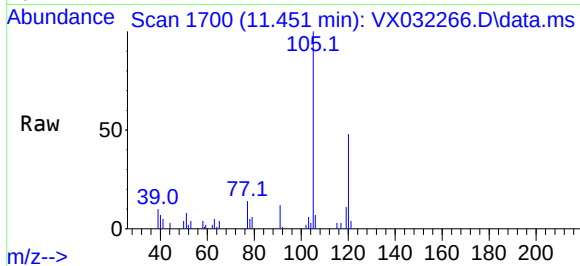




#80
1,3,5-Trimethylbenzene
Concen: 3.182 ug/l
RT: 11.451 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX032266.D
Acq: 20 Oct 2022 16:27

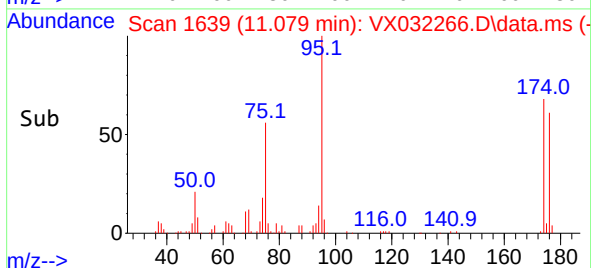
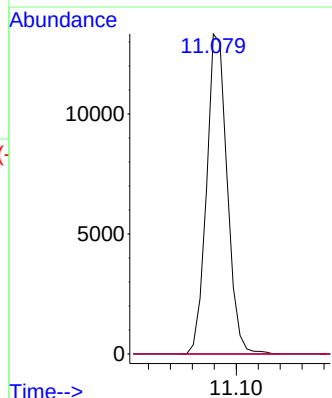
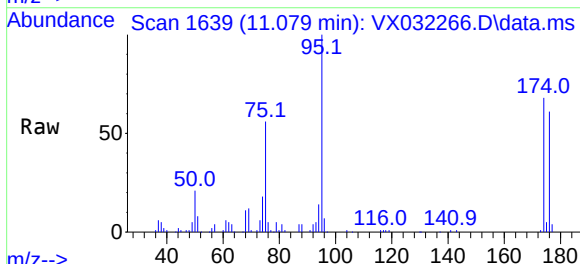
Instrument :
MSVOA_X
ClientSampleId :
BUR-1226

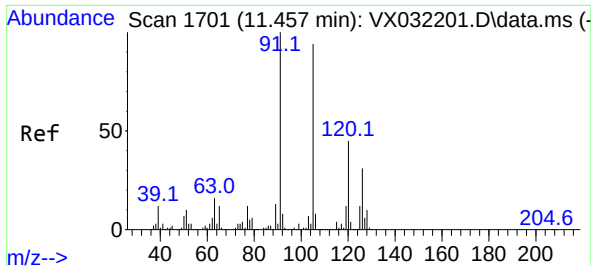
Tgt Ion:105 Resp: 5789
Ion Ratio Lower Upper
105 100
120 46.4 23.5 70.6



#81
trans-1,4-Dichloro-2-butene
Concen: 90.960 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX032266.D
Acq: 20 Oct 2022 16:27

Tgt Ion: 75 Resp: 17382
Ion Ratio Lower Upper
75 100
53 0.0 87.8 131.8#
89 0.0 37.8 56.8#

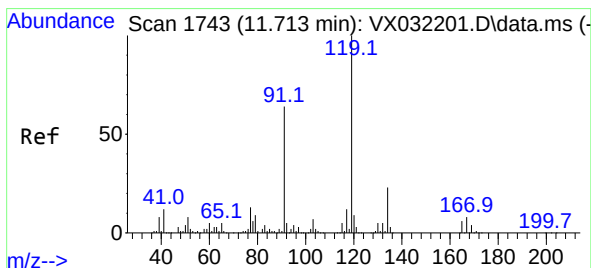
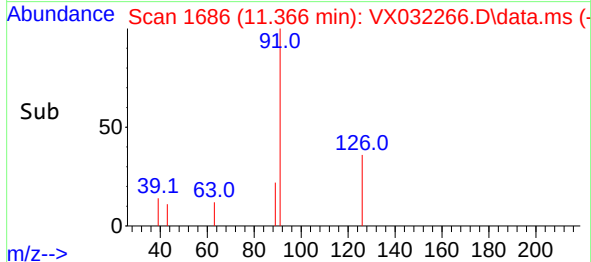
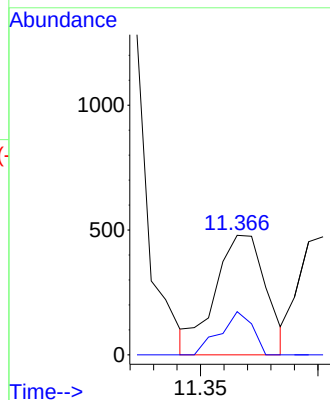
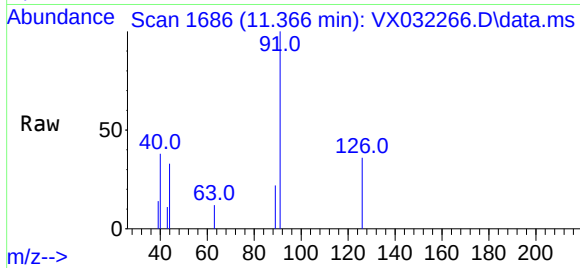




#82
4-Chlorotoluene
Concen: 0.425 ug/l
RT: 11.366 min Scan# 1701
Delta R.T. -0.091 min
Lab File: VX032266.D
Acq: 20 Oct 2022 16:27

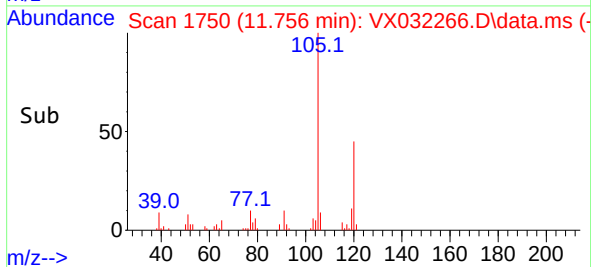
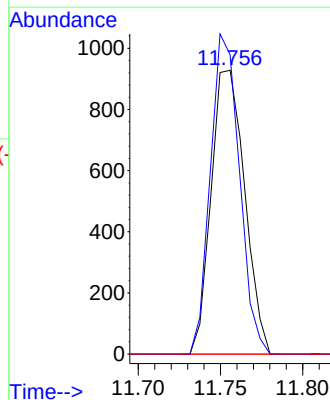
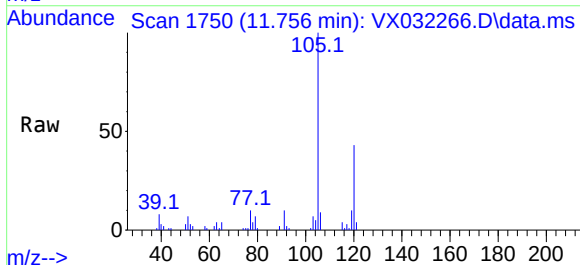
Instrument :
MSVOA_X
ClientSampleId :
BUR-1226

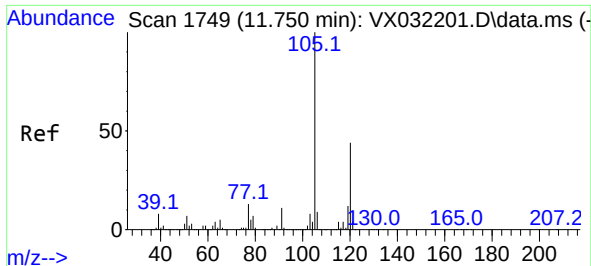
Tgt Ion: 91 Resp: 720
Ion Ratio Lower Upper
91 100
126 23.1 14.9 44.5



#83
tert-Butylbenzene
Concen: 0.723 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.043 min
Lab File: VX032266.D
Acq: 20 Oct 2022 16:27

Tgt Ion: 119 Resp: 1317
Ion Ratio Lower Upper
119 100
91 97.9 29.1 87.3#
134 0.0 11.3 33.8#

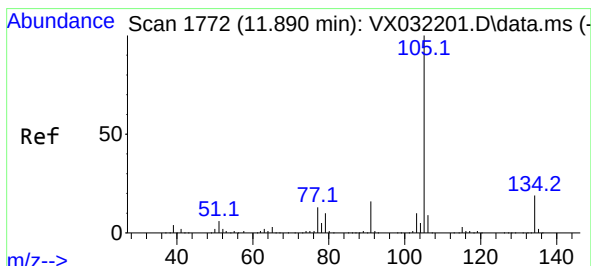
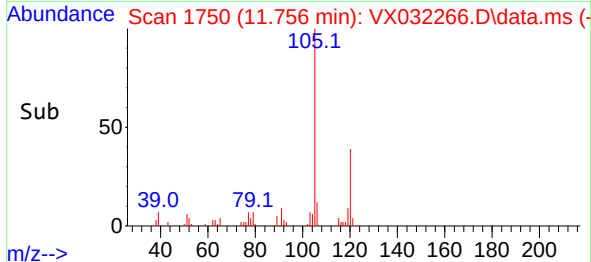
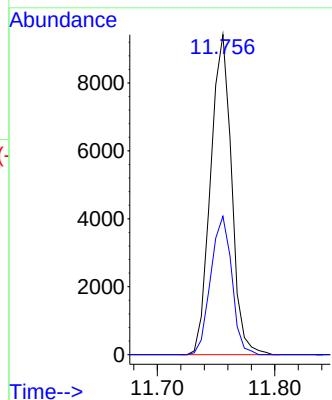
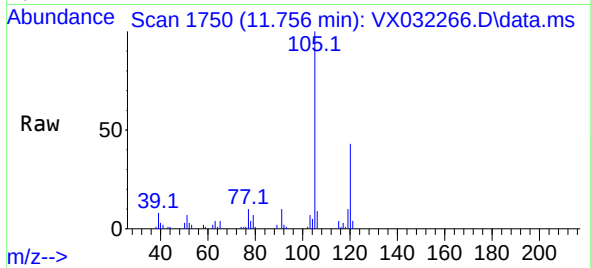




#84
1,2,4-Trimethylbenzene
Concen: 6.598 ug/l
RT: 11.756 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX032266.D
Acq: 20 Oct 2022 16:27

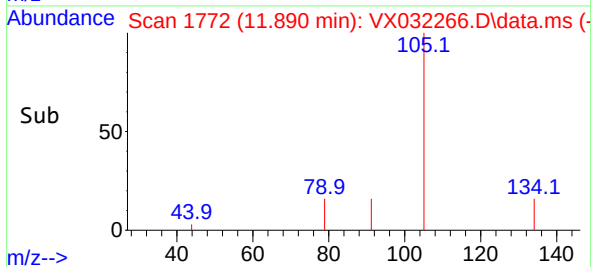
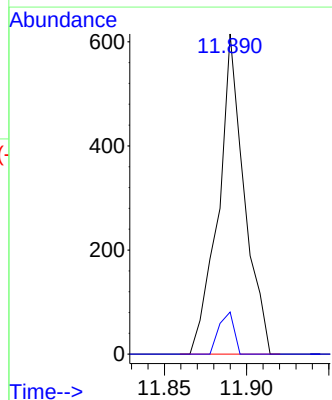
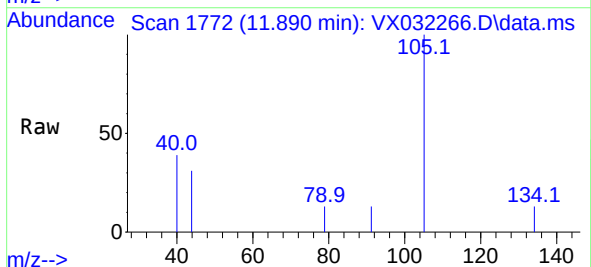
Instrument :
MSVOA_X
ClientSampleId :
BUR-1226

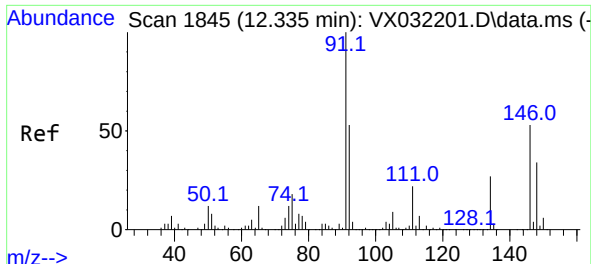
Tgt Ion:105 Resp: 11672
Ion Ratio Lower Upper
105 100
120 43.5 22.1 66.1



#85
sec-Butylbenzene
Concen: 0.306 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VX032266.D
Acq: 20 Oct 2022 16:27

Tgt Ion:105 Resp: 674
Ion Ratio Lower Upper
105 100
134 7.6 10.1 30.3#





#89

n-Butylbenzene

Concen: 0.569 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.006 min

Lab File: VX032266.D

Acq: 20 Oct 2022 16:27

Instrument :

MSVOA_X

ClientSampleId :

BUR-1226

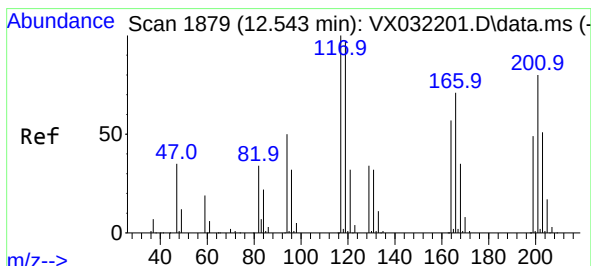
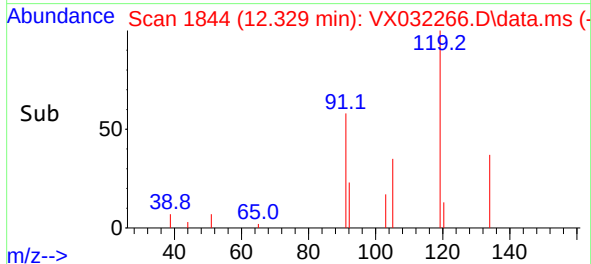
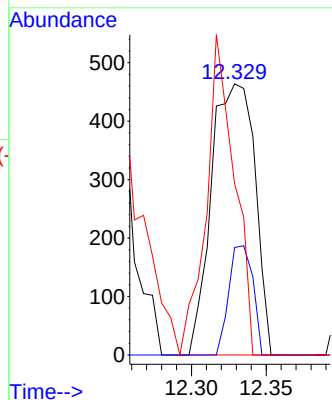
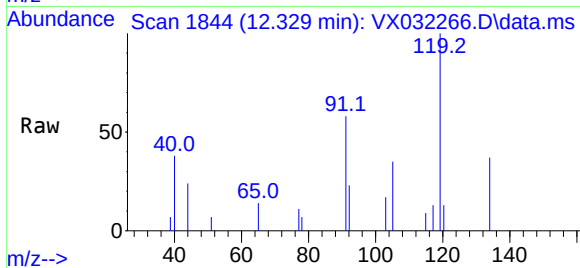
Tgt Ion: 91 Resp: 939

Ion Ratio Lower Upper

91 100

92 22.3 26.3 78.9#

134 76.4 13.0 39.0#



#90

Hexachloroethane

Concen: 1.584 ug/l

RT: 12.615 min Scan# 1891

Delta R.T. 0.072 min

Lab File: VX032266.D

Acq: 20 Oct 2022 16:27

Tgt Ion: 117 Resp: 460

Ion Ratio Lower Upper

117 100

201 0.0 38.5 115.3#

