

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX063021\
 Data File : VX023038.D
 Acq On : 30 Jun 2021 16:54
 Operator : JC/MD
 Sample : M2892-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

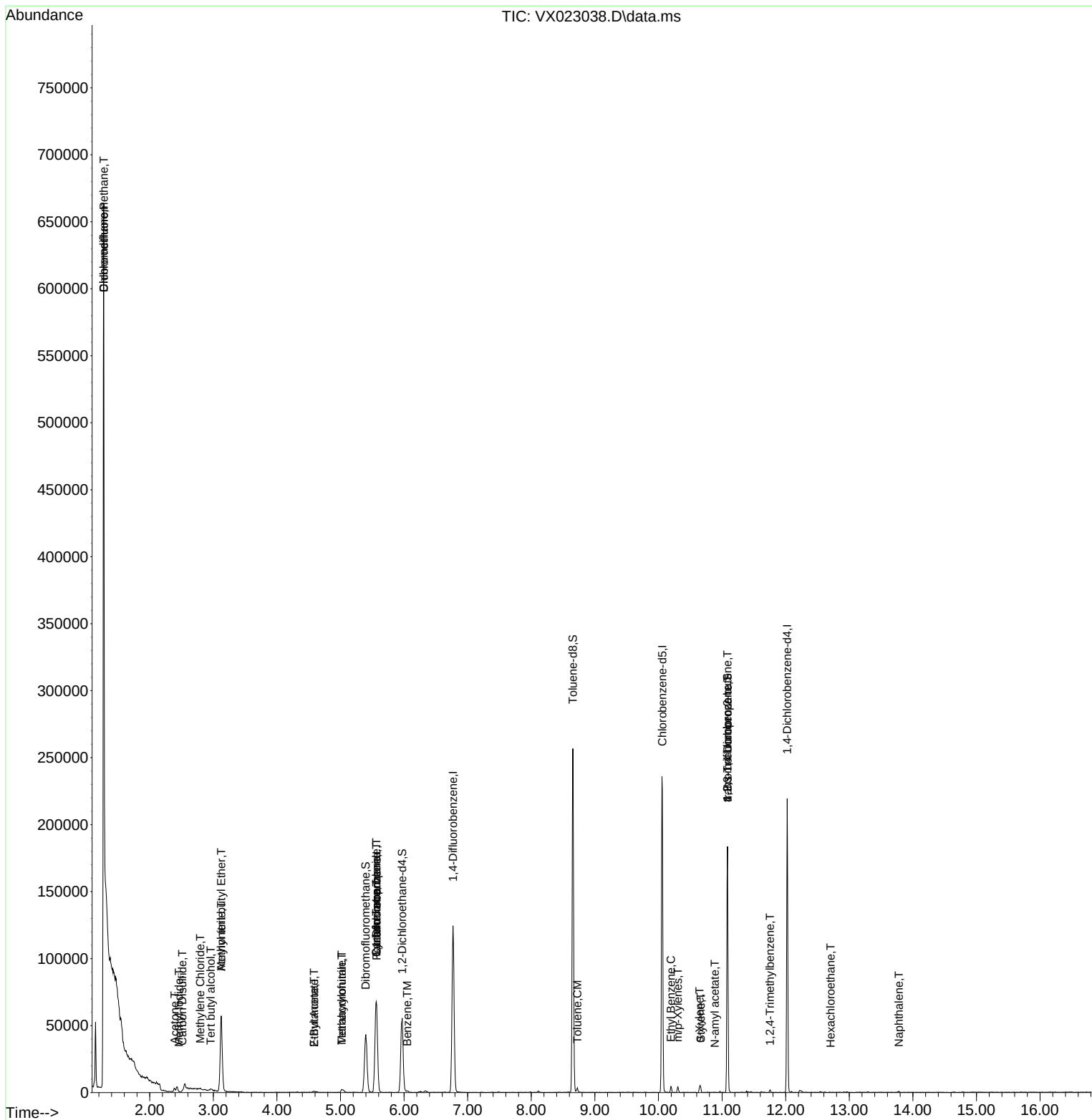
Quant Time: Jul 01 03:27:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062321W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 23 19:12:26 2021
 Response via : Initial Calibration

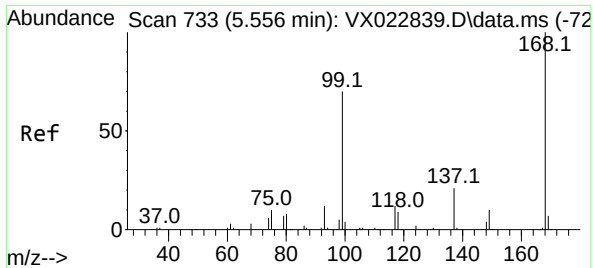
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.568	168	55496	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.769	114	114133	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	99806	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	36579	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	53569	53.189	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	106.380%
35) Dibromofluoromethane	5.397	113	36667	50.591	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.180%
50) Toluene-d8	8.653	98	139751	49.199	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.400%
62) 4-Bromofluorobenzene	11.085	95	46695	44.047	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.276	85	38185	48.768	ug/l	97
3) Chloromethane	1.276	50	17935	20.860	ug/l #	43
10) Methyl Iodide	2.459	142	26	3.907	ug/l #	49
11) Tert butyl alcohol	2.959	59	970	4.621	ug/l #	73
15) Acrylonitrile	3.123	53	844	1.759	ug/l #	26
16) Acetone	2.392	43	2694	6.034	ug/l	97
17) Carbon Disulfide	2.513	76	2072	4.498	ug/l #	94
19) Methyl tert-butyl Ether	3.123	73	58406	22.622	ug/l	97
20) Methylene Chloride	2.794	84	69	0.450	ug/l #	1
25) 2-Butanone	4.586	43	725	1.044	ug/l #	45
29) Tetrahydrofuran	5.019	42	795	1.780	ug/l #	79
31) Cyclohexane	5.562	56	1853	1.303	ug/l #	23
36) 1,1-Dichloropropene	5.562	75	6295	5.193	ug/l #	49
37) Ethyl Acetate	4.586	43	725	0.516	ug/l #	64
38) Carbon Tetrachloride	5.562	117	6564	6.456	ug/l #	14
40) Benzene	6.049	78	1351	0.386	ug/l #	52
41) Methacrylonitrile	5.019	41	563	0.728	ug/l #	28
52) Toluene	8.726	92	1097	0.519	ug/l	92
67) Ethyl Benzene	10.195	91	2658	0.687	ug/l #	84
68) m/p-Xylenes	10.305	106	981	0.683	ug/l	85
69) o-Xylene	10.646	106	542	0.387	ug/l	65
70) Styrene	10.664	104	1566	0.674	ug/l	98
74) N-amyl acetate	10.884	43	25	2.069	ug/l #	38
76) 1,2,3-Trichloropropane	11.085	75	27340	28.297	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	27340	72.989	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.756	105	1154	0.451	ug/l	95
90) Hexachloroethane	12.707	117	141	3.985	ug/l #	9
95) Naphthalene	13.780	128	721	2.155	ug/l #	77

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

Quant Time: Jul 01 03:27:05 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062321W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 23 19:12:26 2021
Response via : Initial Calibration

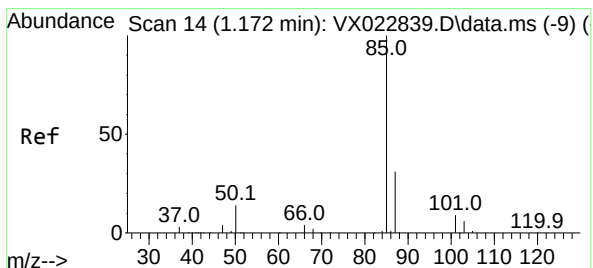
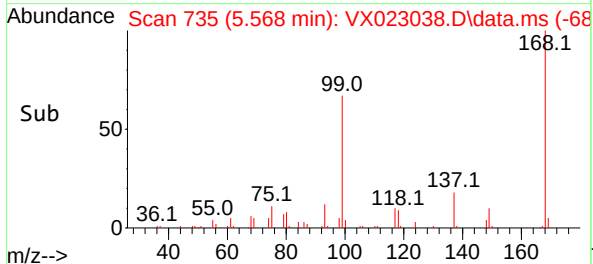
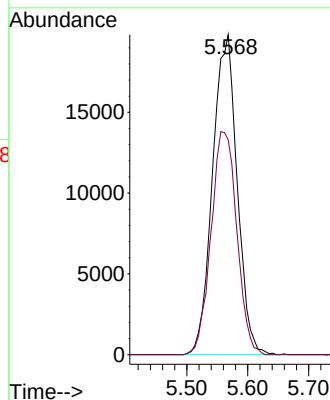
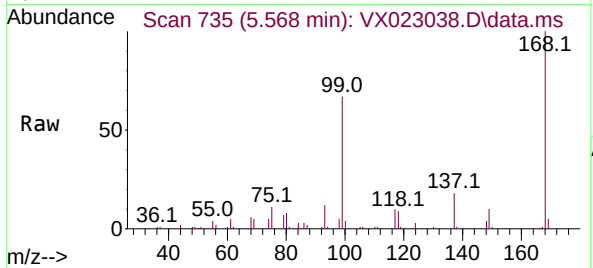




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.012 min
Lab File: VX023038.D
Acq: 30 Jun 2021 16:54

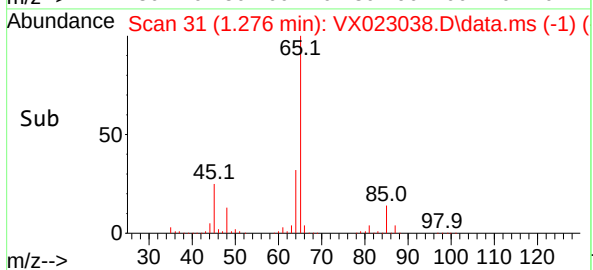
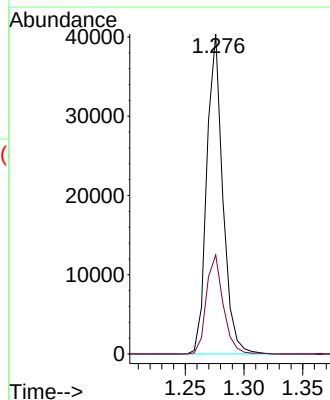
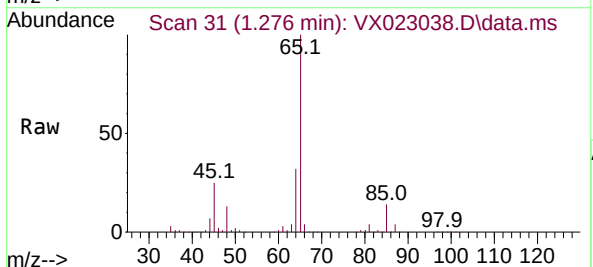
Instrument :
MSVOA_X
ClientSampled :

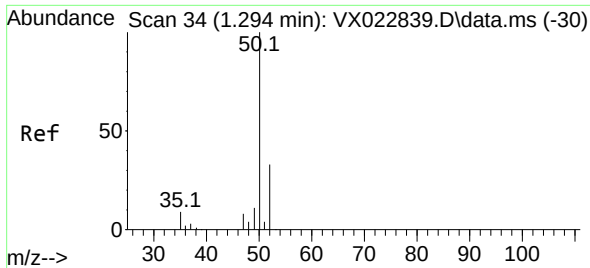
Tgt Ion:168 Resp: 55496
Ion Ratio Lower Upper
168 100
99 67.1 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 48.768 ug/l
RT: 1.276 min Scan# 31
Delta R.T. 0.104 min
Lab File: VX023038.D
Acq: 30 Jun 2021 16:54

Tgt Ion: 85 Resp: 38185
Ion Ratio Lower Upper
85 100
87 30.9 16.4 49.2

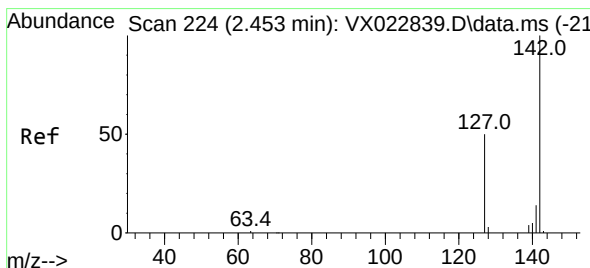
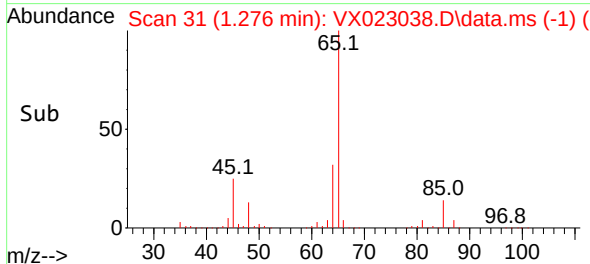
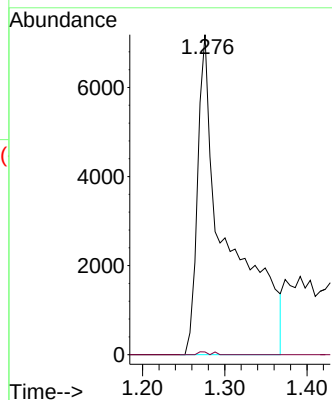
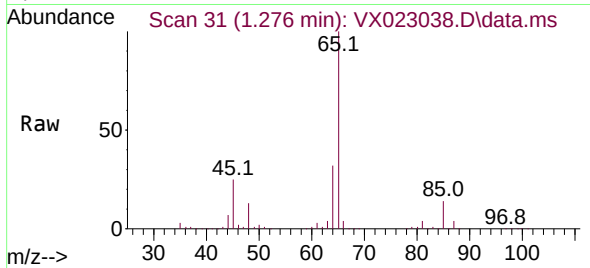




#3
Chloromethane
Concen: 20.860 ug/l
RT: 1.276 min Scan# 31
Delta R.T. -0.018 min
Lab File: VX023038.D
Acq: 30 Jun 2021 16:54

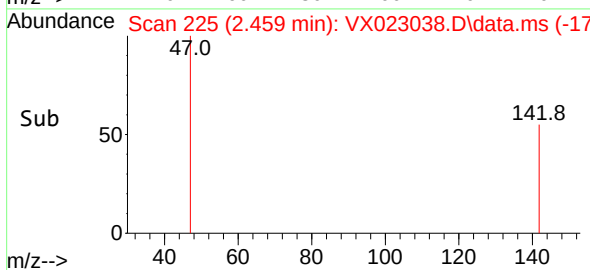
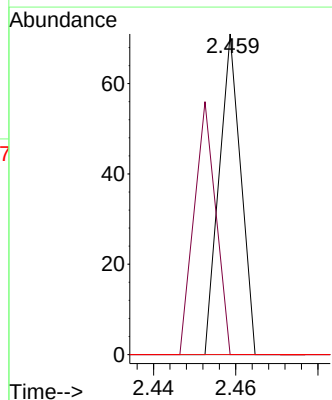
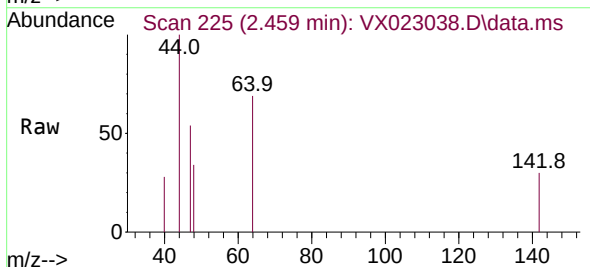
Instrument :
MSVOA_X
ClientSampled :

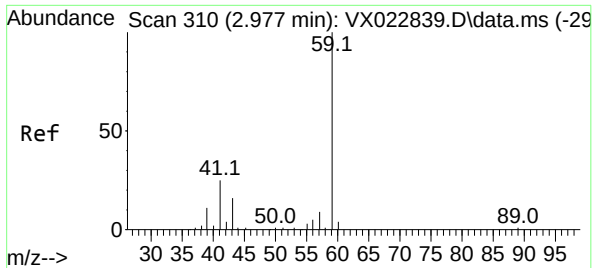
Tgt Ion: 50 Resp: 17935
Ion Ratio Lower Upper
50 100
52 0.9 26.4 39.6#



#10
Methyl Iodide
Concen: 3.907 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX023038.D
Acq: 30 Jun 2021 16:54

Tgt Ion: 142 Resp: 26
Ion Ratio Lower Upper
142 100
127 76.9 33.3 49.9#
141 0.0 11.4 17.0#

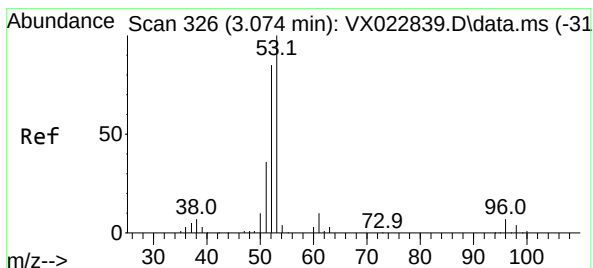
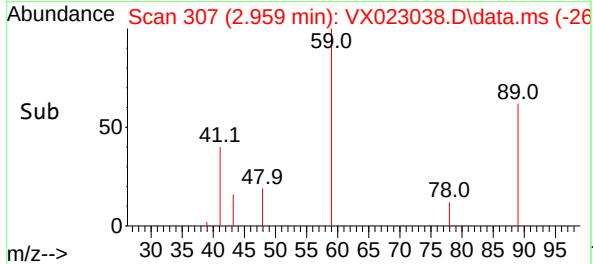
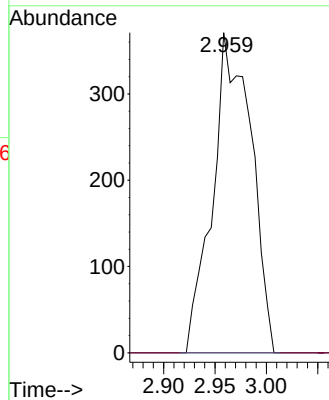
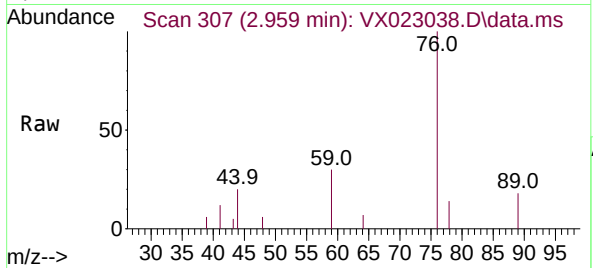




#11
Tert butyl alcohol
Concen: 4.621 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.018 min
Lab File: VX023038.D
Acq: 30 Jun 2021 16:54

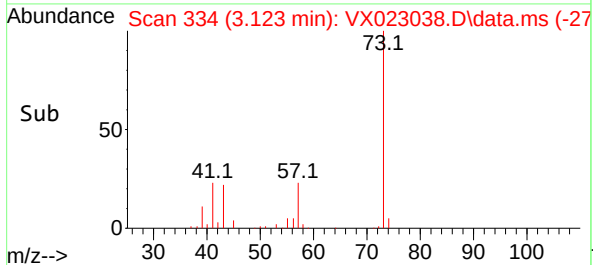
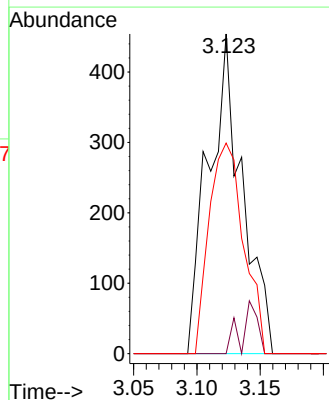
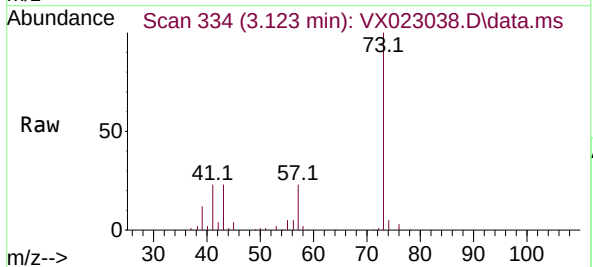
Instrument :
MSVOA_X
ClientSampled :

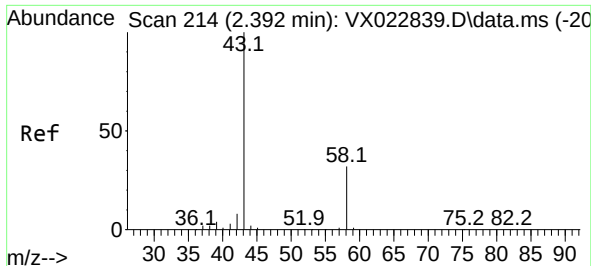
Tgt Ion: 59 Resp: 970
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#15
Acrylonitrile
Concen: 1.759 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.049 min
Lab File: VX023038.D
Acq: 30 Jun 2021 16:54

Tgt Ion: 53 Resp: 844
Ion Ratio Lower Upper
53 100
52 7.7 65.3 97.9#
51 67.3 28.2 42.2#

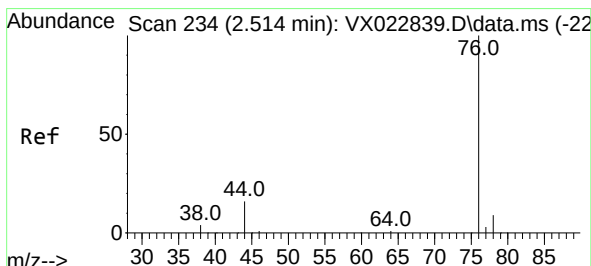
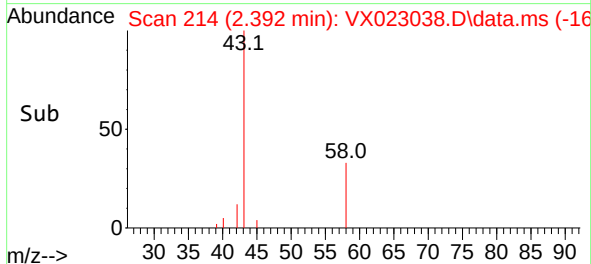
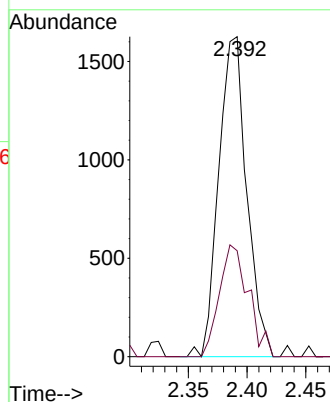
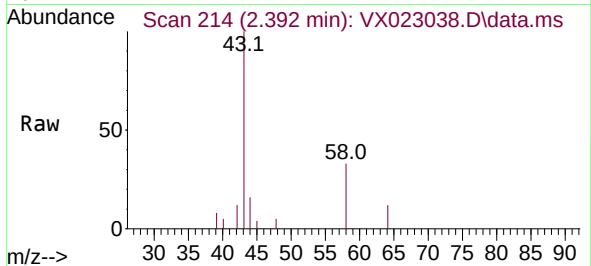




#16
Acetone
Concen: 6.034 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX023038.D
Acq: 30 Jun 2021 16:54

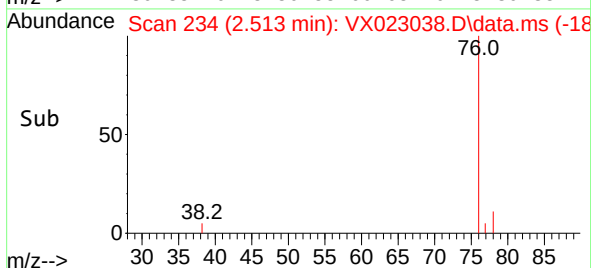
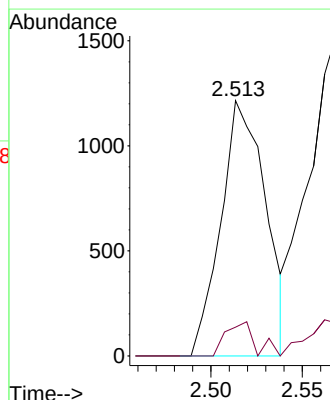
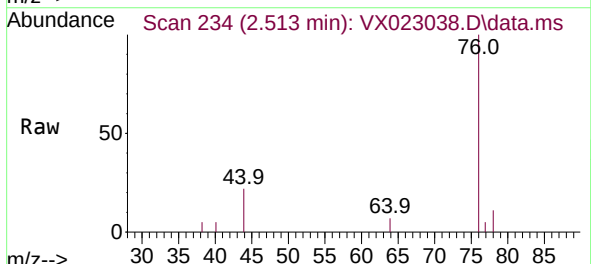
Instrument :
MSVOA_X
ClientSampled :

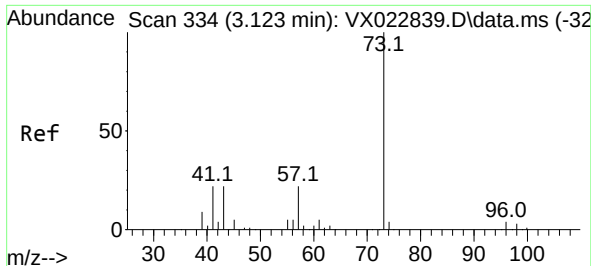
Tgt Ion: 43 Resp: 2694
Ion Ratio Lower Upper
43 100
58 33.1 27.8 41.8



#17
Carbon Disulfide
Concen: 4.498 ug/l
RT: 2.513 min Scan# 234
Delta R.T. -0.001 min
Lab File: VX023038.D
Acq: 30 Jun 2021 16:54

Tgt Ion: 76 Resp: 2072
Ion Ratio Lower Upper
76 100
78 11.3 7.2 10.8#

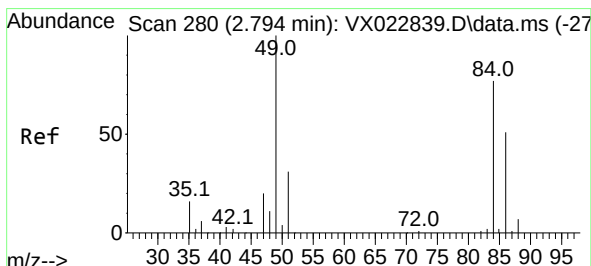
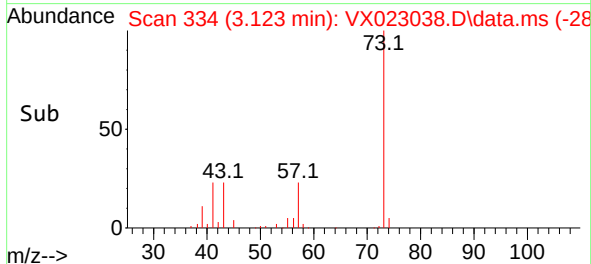
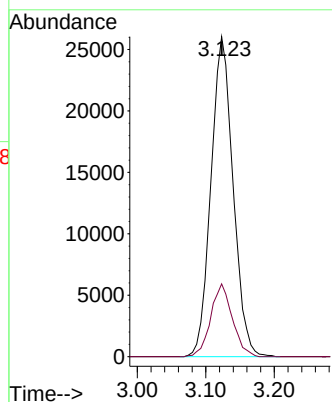
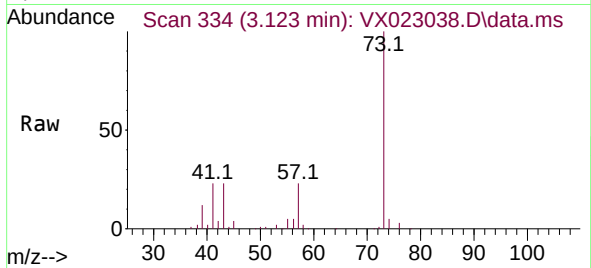




#19
Methyl tert-butyl Ether
Concen: 22.622 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.000 min
Lab File: VX023038.D
Acq: 30 Jun 2021 16:54

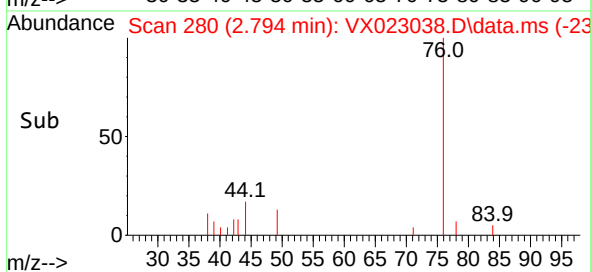
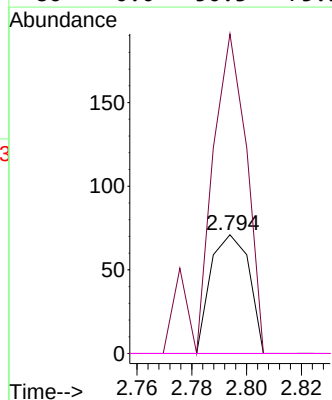
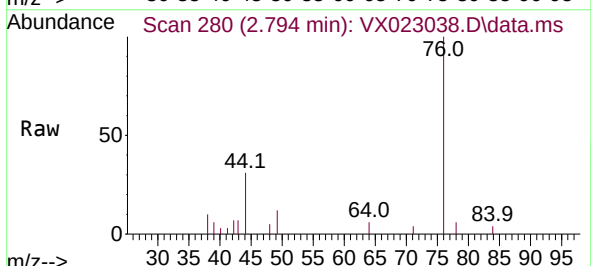
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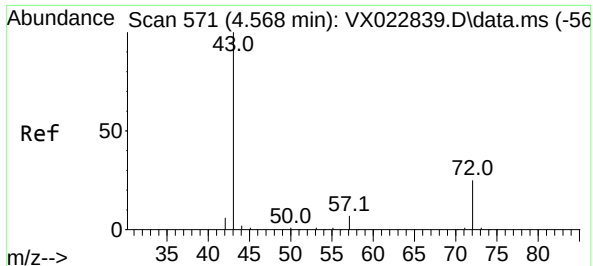
Tgt Ion: 73 Resp: 58406
Ion Ratio Lower Upper
73 100
57 22.7 17.1 25.7



#20
Methylene Chloride
Concen: 0.450 ug/l
RT: 2.794 min Scan# 280
Delta R.T. -0.000 min
Lab File: VX023038.D
Acq: 30 Jun 2021 16:54

Tgt Ion: 84 Resp: 69
Ion Ratio Lower Upper
84 100
49 269.0 88.6 132.8#
51 0.0 27.0 40.6#
86 0.0 50.3 75.5#

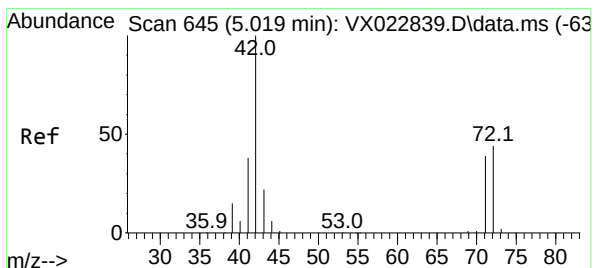
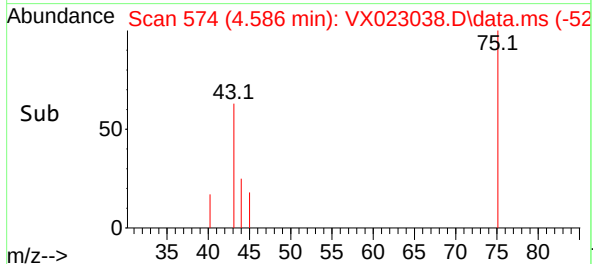
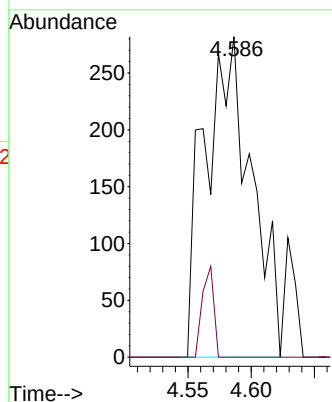
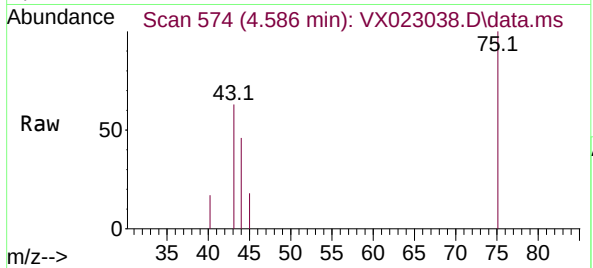




#25
2-Butanone
Concen: 1.044 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.018 min
Lab File: VX023038.D
Acq: 30 Jun 2021 16:54

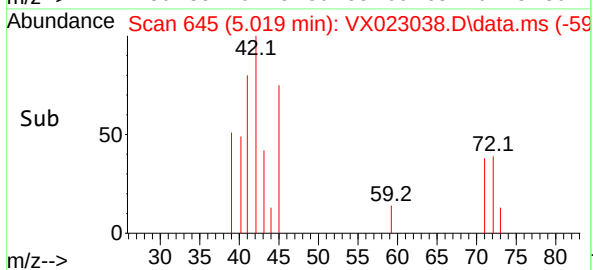
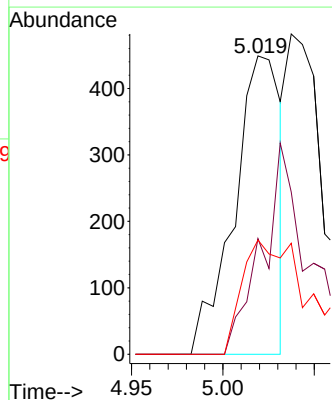
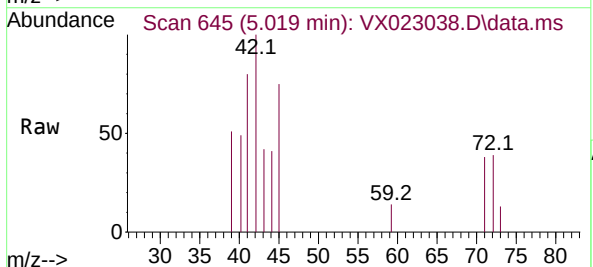
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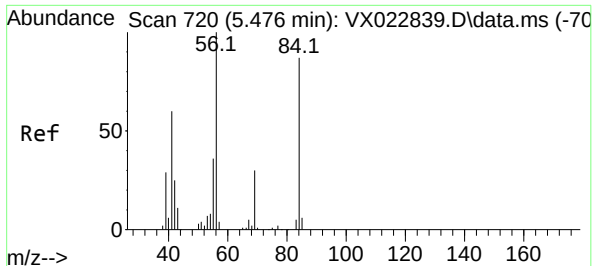
Tgt Ion: 43 Resp: 725
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#29
Tetrahydrofuran
Concen: 1.780 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.000 min
Lab File: VX023038.D
Acq: 30 Jun 2021 16:54

Tgt Ion: 42 Resp: 795
Ion Ratio Lower Upper
42 100
72 75.6 41.7 62.5#
71 52.7 38.4 57.6

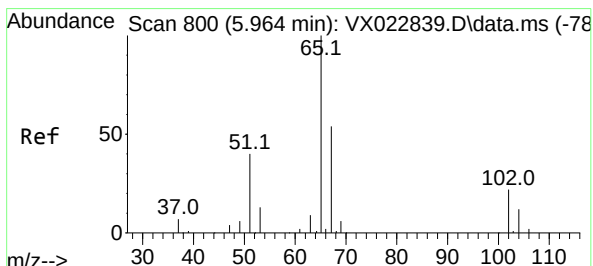
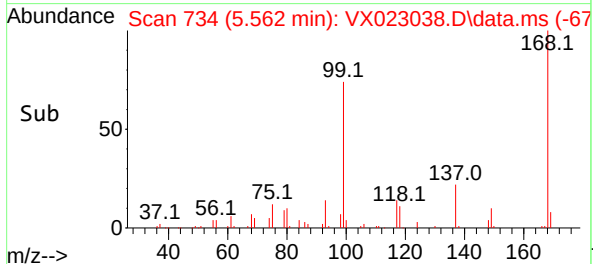
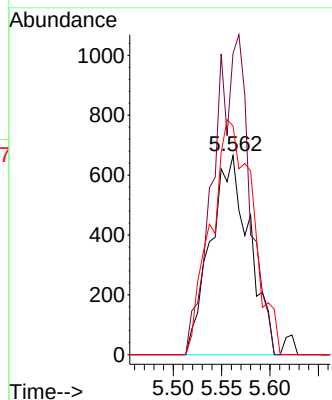
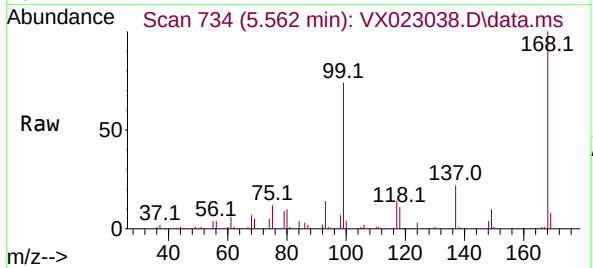




#31
Cyclohexane
Concen: 1.303 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.086 min
Lab File: VX023038.D
Acq: 30 Jun 2021 16:54

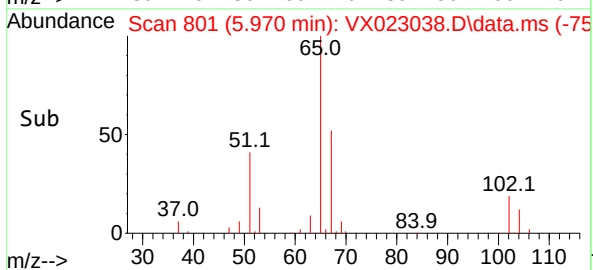
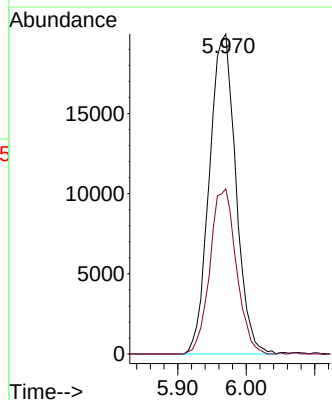
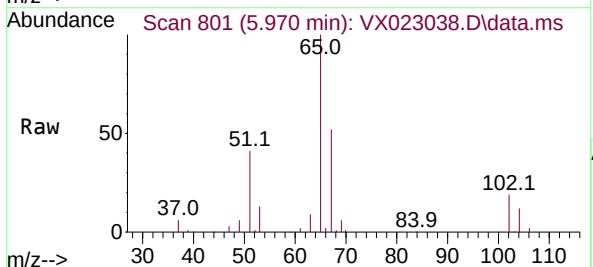
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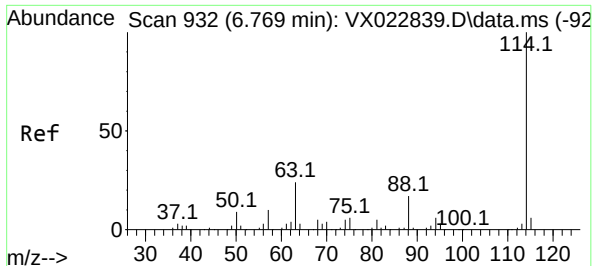
Tgt Ion: 56 Resp: 1853
Ion Ratio Lower Upper
56 100
69 151.3 25.3 37.9#
84 114.9 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 53.189 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX023038.D
Acq: 30 Jun 2021 16:54

Tgt Ion: 65 Resp: 53569
Ion Ratio Lower Upper
65 100
67 51.4 0.0 105.4

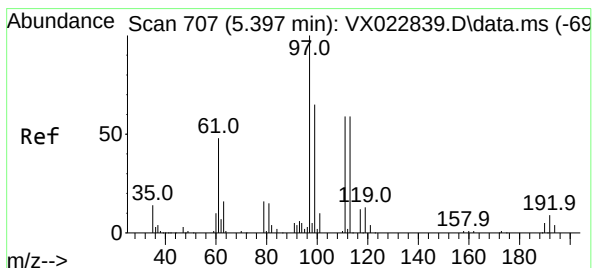
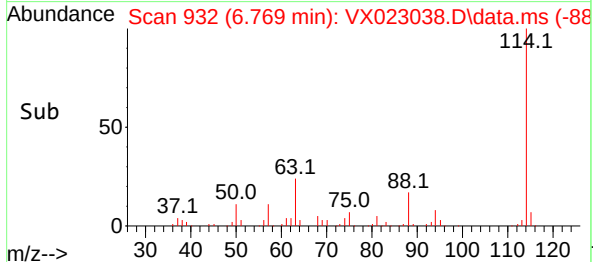
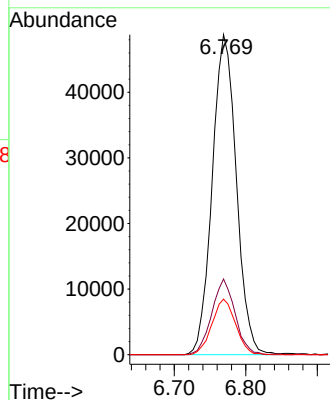
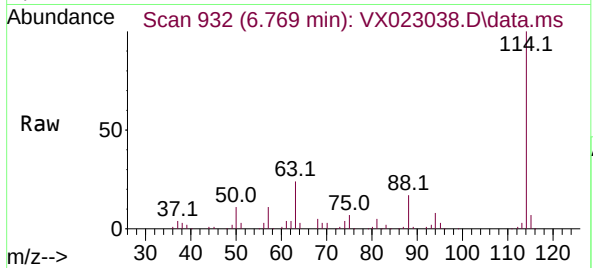




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX023038.D
Acq: 30 Jun 2021 16:54

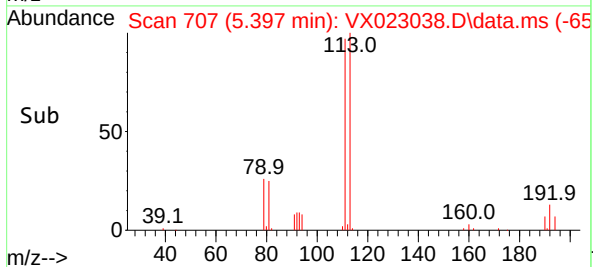
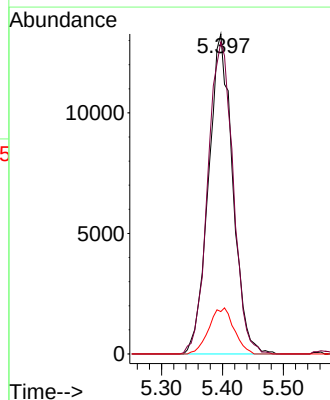
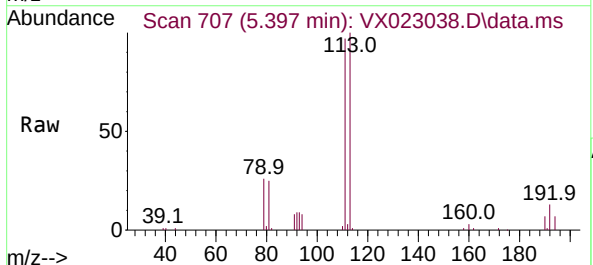
Instrument :
MSVOA_X
ClientSampleId :

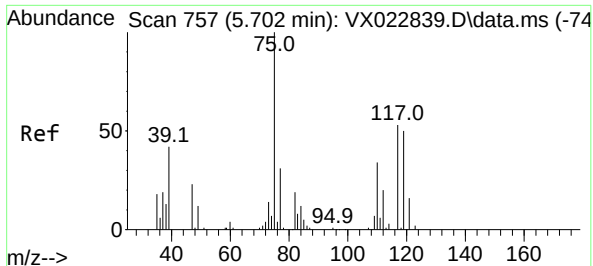
Tgt Ion:114 Resp: 114133
Ion Ratio Lower Upper
114 100
63 23.7 0.0 40.8
88 17.4 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.591 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023038.D
Acq: 30 Jun 2021 16:54

Tgt Ion:113 Resp: 36667
Ion Ratio Lower Upper
113 100
111 102.0 81.9 122.9
192 14.9 16.7 25.1#





#36

1,1-Dichloropropene

Concen: 5.193 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX023038.D

Acq: 30 Jun 2021 16:54

Tgt Ion: 75 Resp: 6295

Ion Ratio Lower Upper

75 100

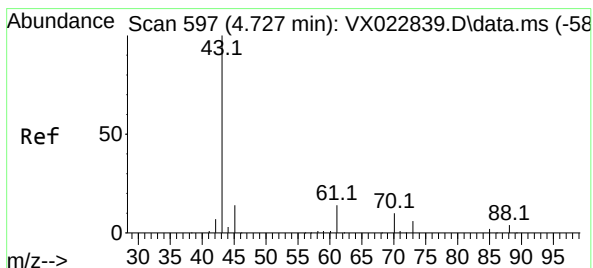
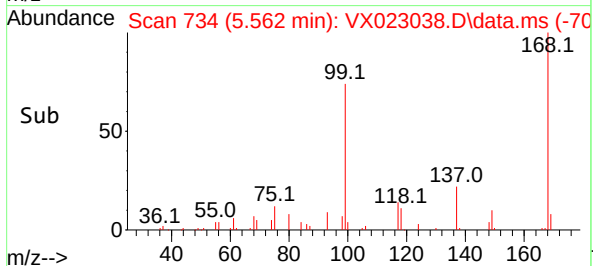
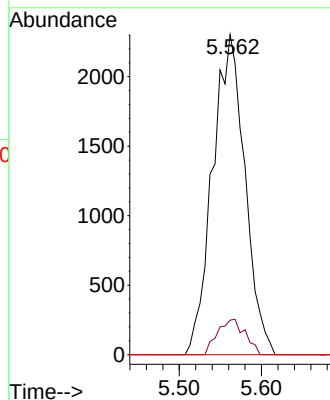
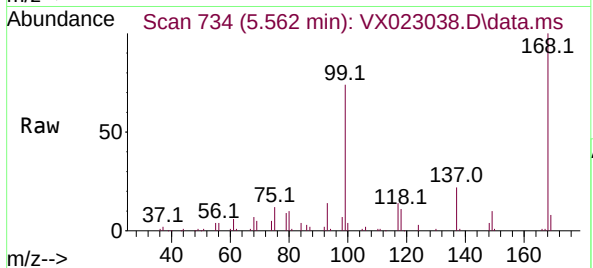
110 9.4 18.1 54.4#

77 0.0 25.3 37.9#

Instrument :

MSVOA_X

ClientSampleId :



#37

Ethyl Acetate

Concen: 0.516 ug/l

RT: 4.586 min Scan# 574

Delta R.T. -0.141 min

Lab File: VX023038.D

Acq: 30 Jun 2021 16:54

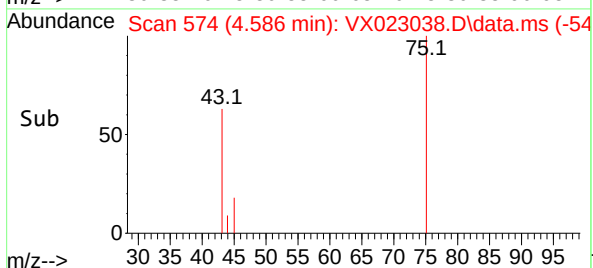
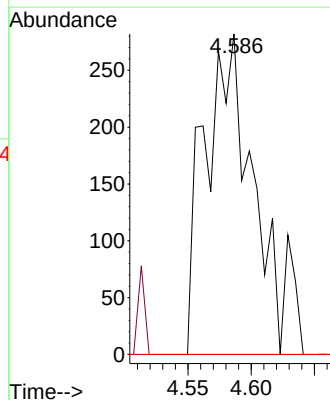
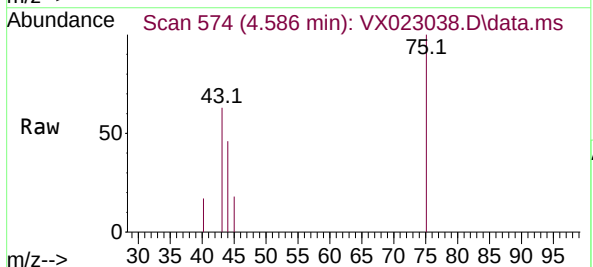
Tgt Ion: 43 Resp: 725

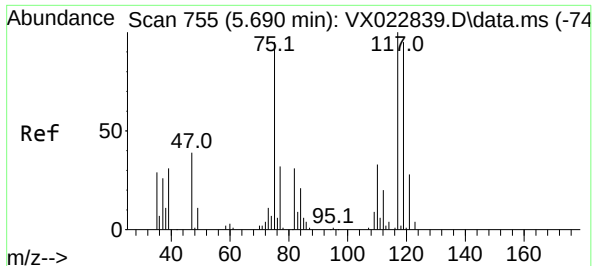
Ion Ratio Lower Upper

43 100

61 0.0 12.8 19.2#

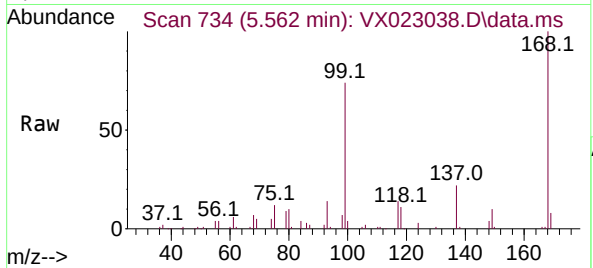
70 0.0 10.5 15.7#



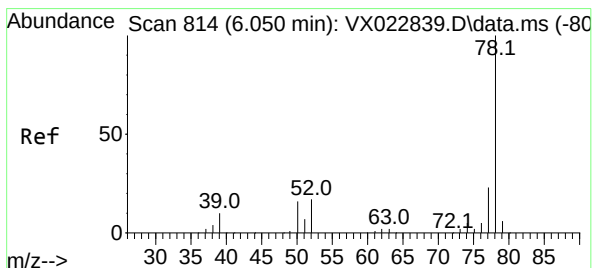
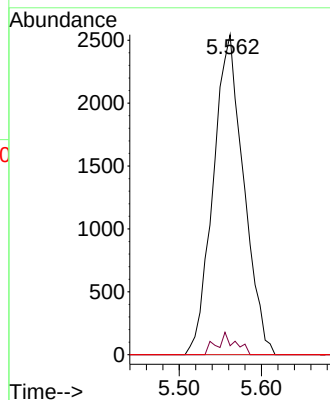
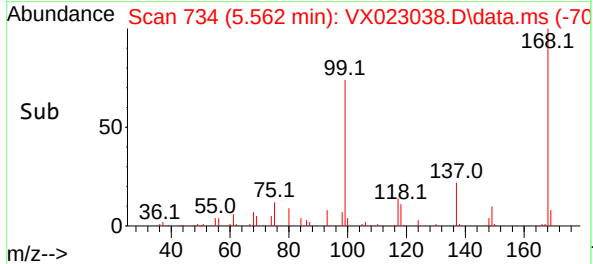


#38
Carbon Tetrachloride
Concen: 6.456 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX023038.D
Acq: 30 Jun 2021 16:54

Instrument :
MSVOA_X
ClientSampled :

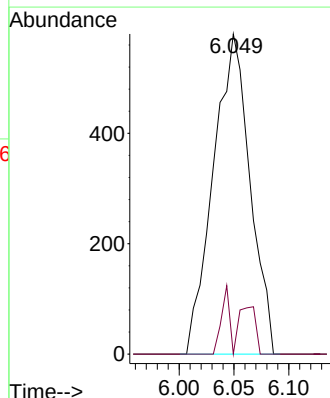
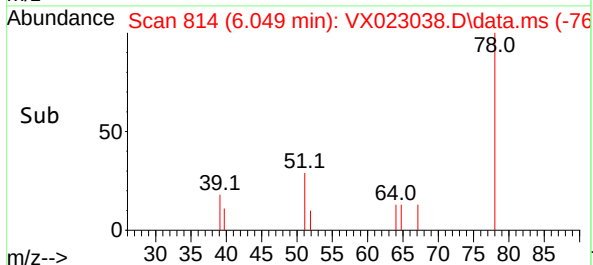
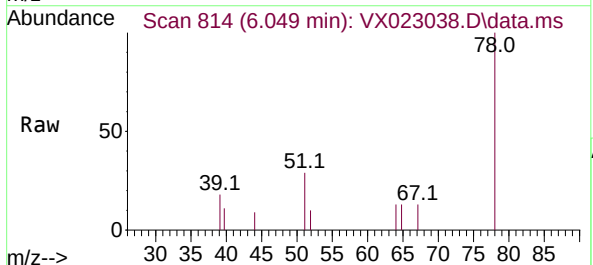


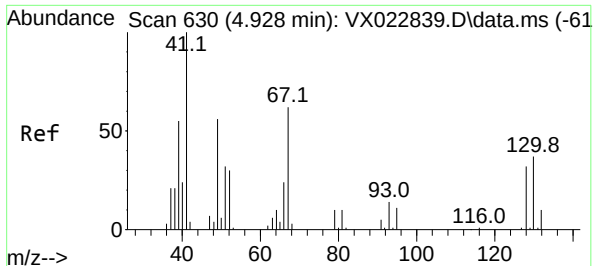
Tgt Ion:117 Resp: 6564
Ion Ratio Lower Upper
117 100
119 2.8 76.2 114.2#
121 0.0 24.8 37.2#



#40
Benzene
Concen: 0.386 ug/l
RT: 6.049 min Scan# 814
Delta R.T. -0.001 min
Lab File: VX023038.D
Acq: 30 Jun 2021 16:54

Tgt Ion: 78 Resp: 1351
Ion Ratio Lower Upper
78 100
77 0.0 18.9 28.3#

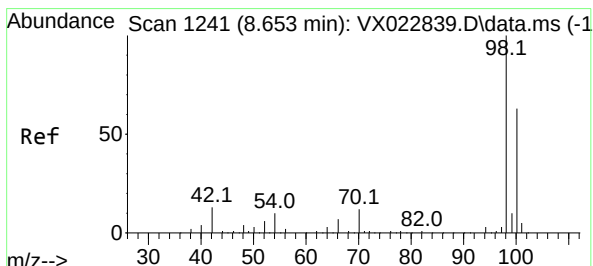
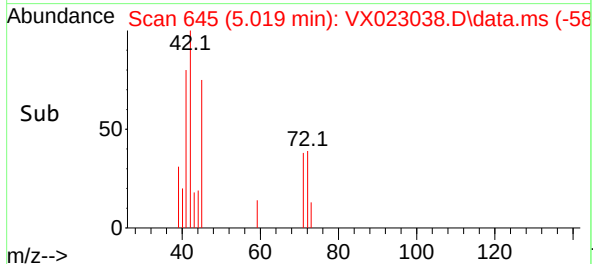
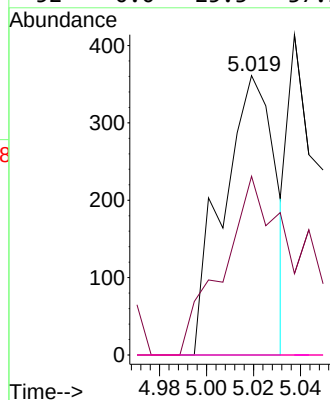
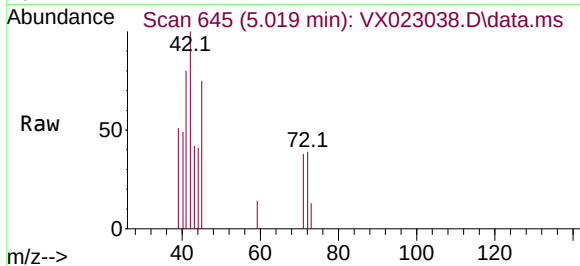




#41
Methacrylonitrile
Concen: 0.728 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.091 min
Lab File: VX023038.D
Acq: 30 Jun 2021 16:54

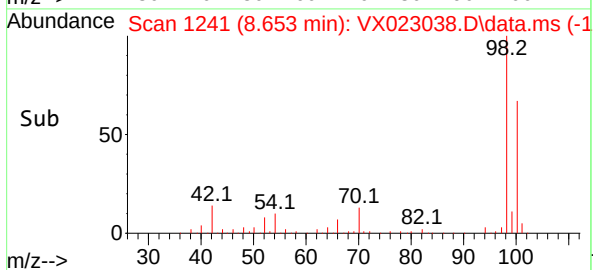
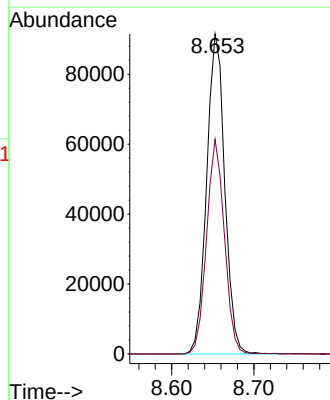
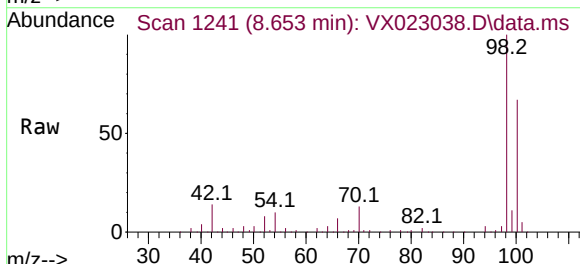
Instrument :
MSVOA_X
ClientSampled :

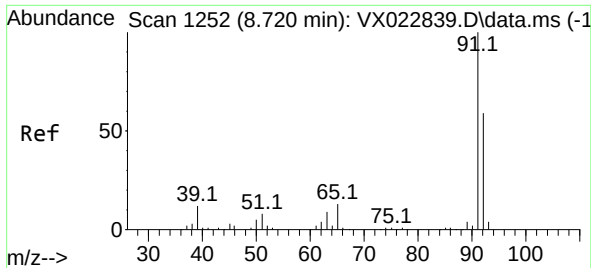
Tgt Ion: 41	Resp: 563
Ion Ratio	Lower Upper
41 100	
39 88.6	42.5 63.7#
67 0.0	65.0 97.6#
52 0.0	25.3 37.9#



#50
Toluene-d8
Concen: 49.199 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023038.D
Acq: 30 Jun 2021 16:54

Tgt Ion: 98	Resp: 139751
Ion Ratio	Lower Upper
98 100	
100 65.9	51.9 77.9

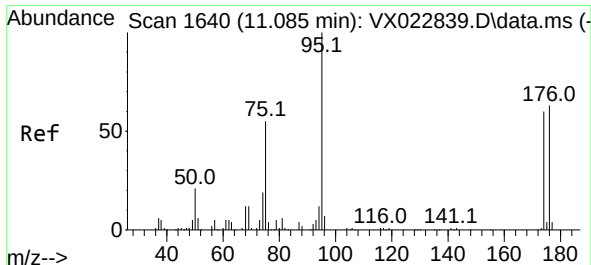
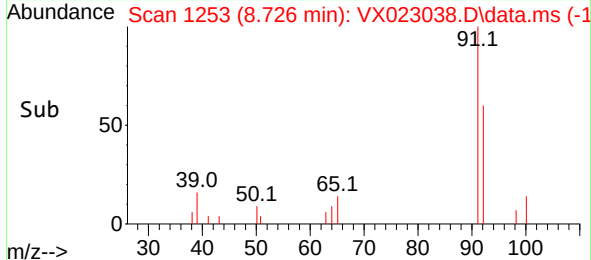
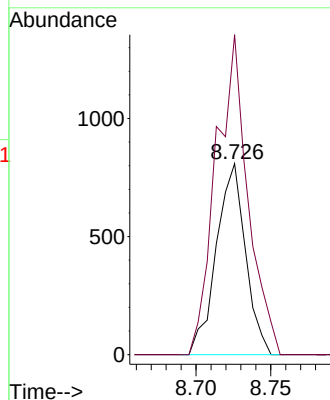
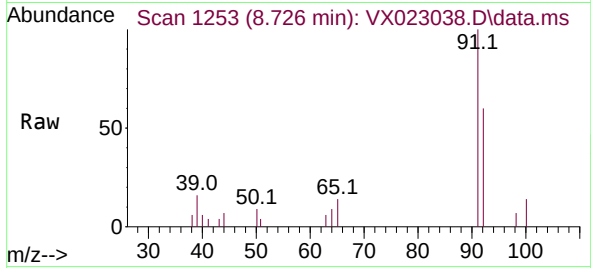




#52
Toluene
Concen: 0.519 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX023038.D
Acq: 30 Jun 2021 16:54

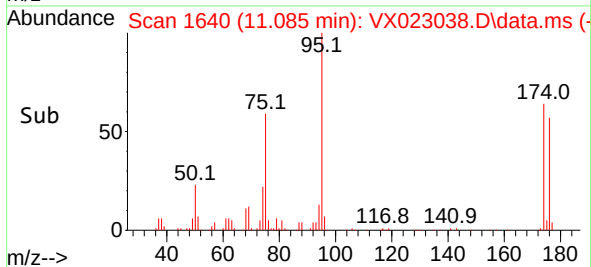
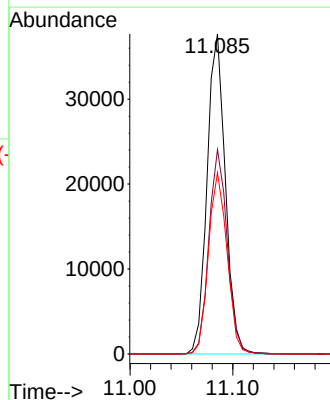
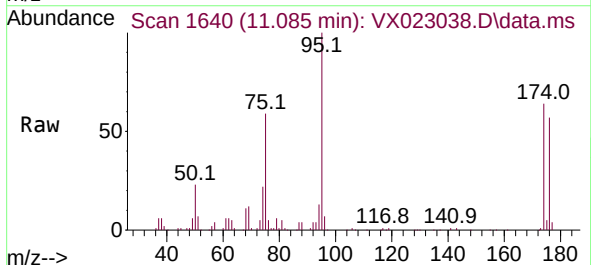
Instrument :
MSVOA_X
ClientSampled :

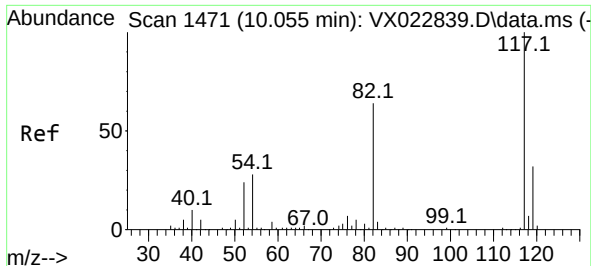
Tgt Ion: 92 Resp: 1097
Ion Ratio Lower Upper
92 100
91 183.0 137.1 205.7



#62
4-Bromofluorobenzene
Concen: 44.047 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023038.D
Acq: 30 Jun 2021 16:54

Tgt Ion: 95 Resp: 46695
Ion Ratio Lower Upper
95 100
174 64.2 0.0 154.6
176 57.6 0.0 155.8

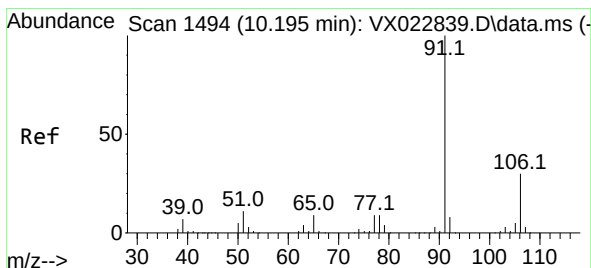
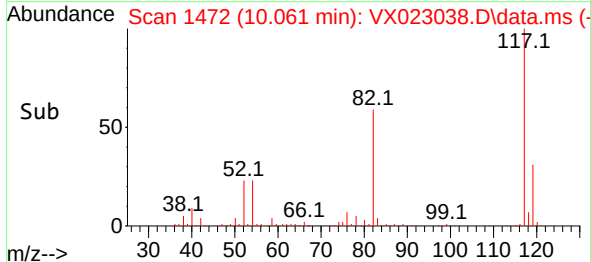
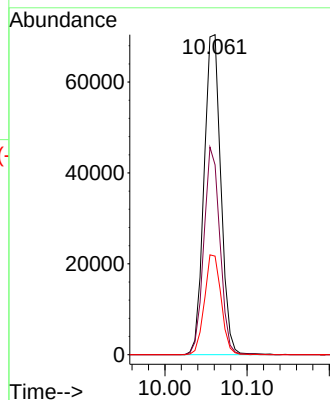
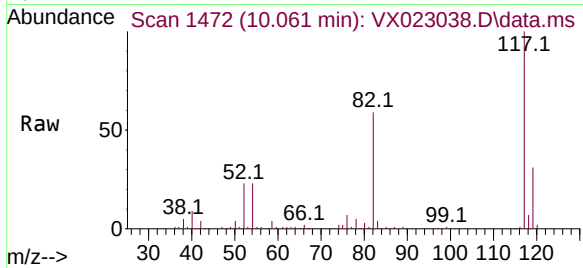




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VX023038.D
Acq: 30 Jun 2021 16:54

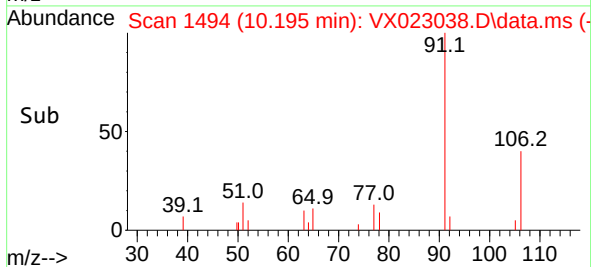
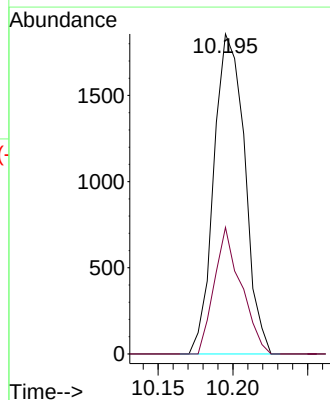
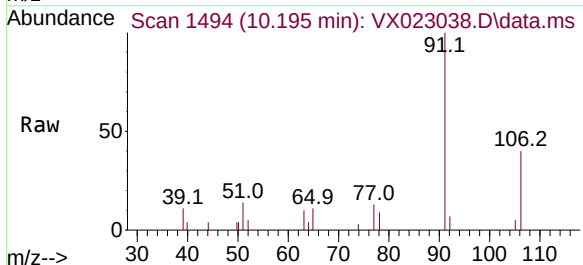
Instrument :
MSVOA_X
ClientSampled :

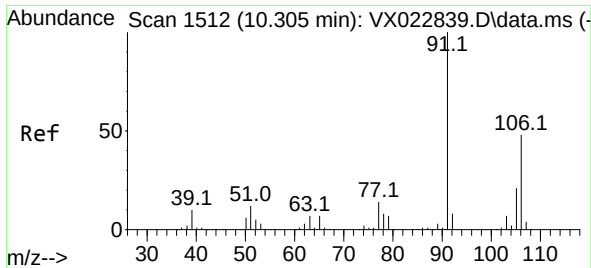
Tgt Ion:117 Resp: 99806
Ion Ratio Lower Upper
117 100
82 59.3 47.4 71.2
119 30.8 26.6 39.8



#67
Ethyl Benzene
Concen: 0.687 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX023038.D
Acq: 30 Jun 2021 16:54

Tgt Ion: 91 Resp: 2658
Ion Ratio Lower Upper
91 100
106 39.5 24.6 37.0#

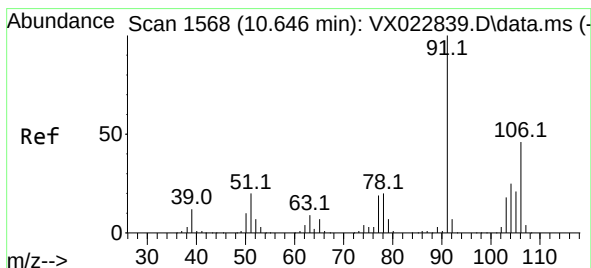
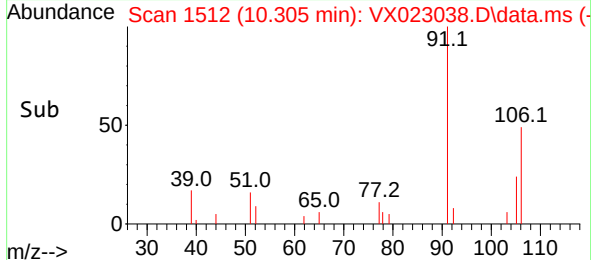
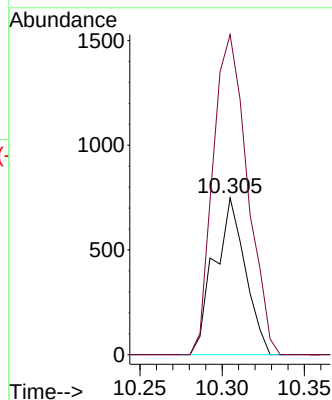
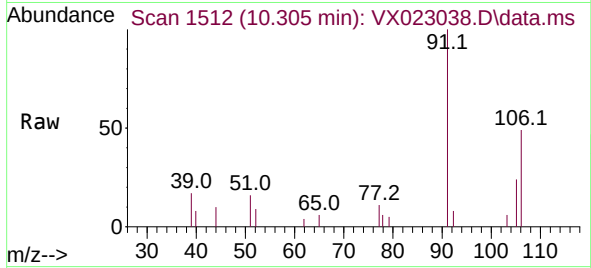




#68
m/p-Xylenes
Concen: 0.683 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX023038.D
Acq: 30 Jun 2021 16:54

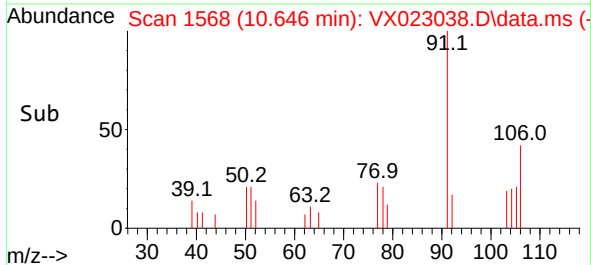
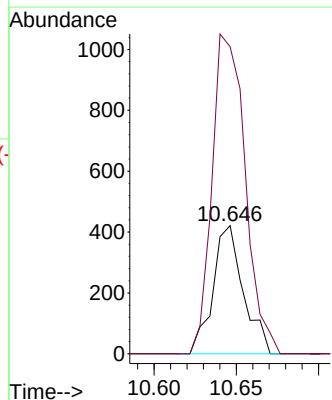
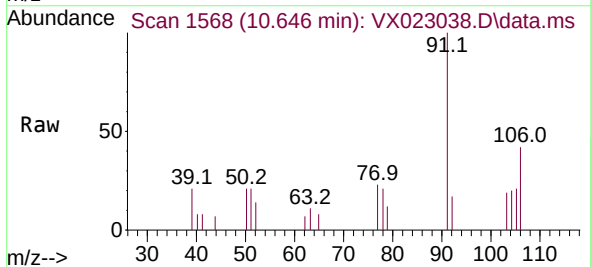
Instrument :
MSVOA_X
ClientSampled :

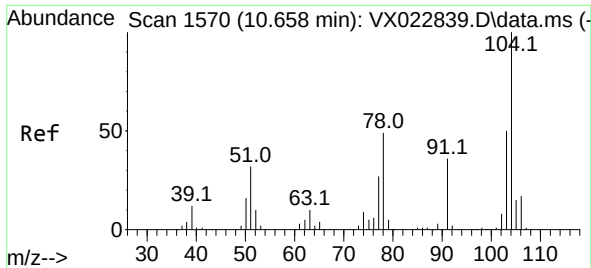
Tgt Ion:106 Resp: 981
Ion Ratio Lower Upper
106 100
91 226.9 162.8 244.2



#69
o-Xylene
Concen: 0.387 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX023038.D
Acq: 30 Jun 2021 16:54

Tgt Ion:106 Resp: 542
Ion Ratio Lower Upper
106 100
91 272.0 108.1 324.2

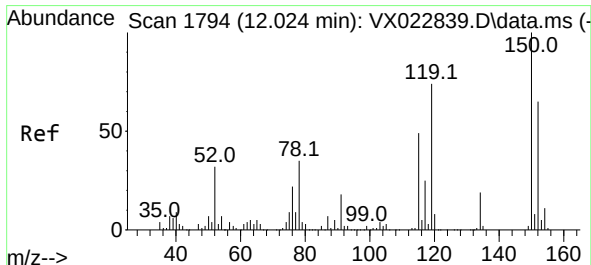
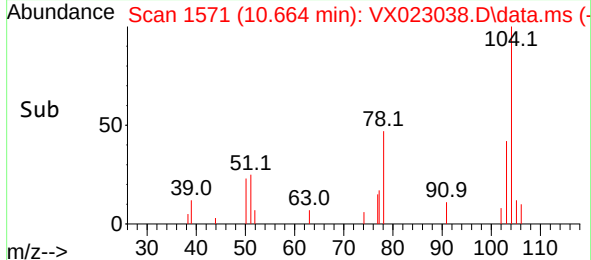
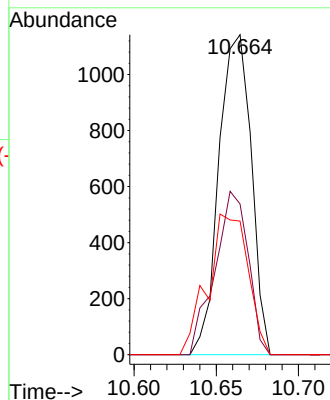
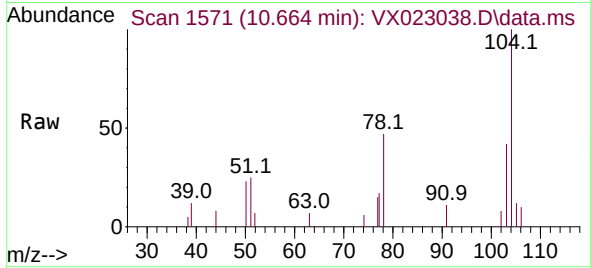




#70
Styrene
Concen: 0.674 ug/l
RT: 10.664 min Scan# 1571
Delta R.T. 0.006 min
Lab File: VX023038.D
Acq: 30 Jun 2021 16:54

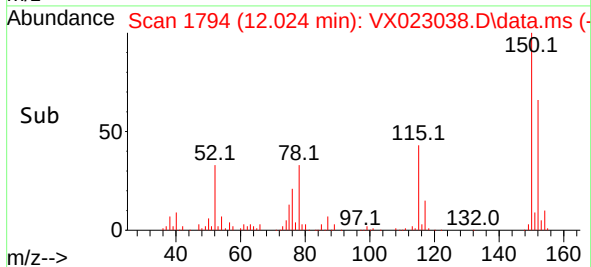
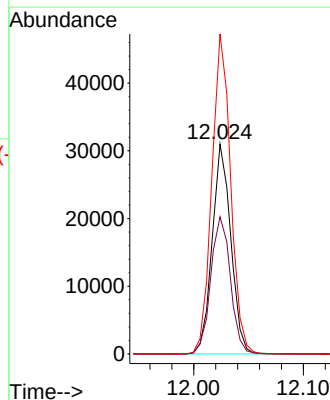
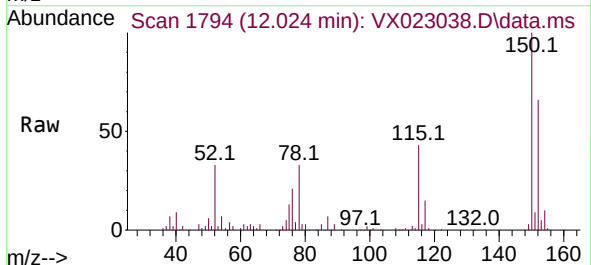
Instrument :
MSVOA_X
ClientSampled :

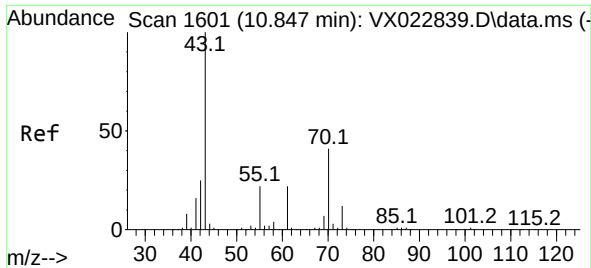
Tgt Ion:104 Resp: 1566
Ion Ratio Lower Upper
104 100
78 52.7 40.0 60.0
103 54.4 43.4 65.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX023038.D
Acq: 30 Jun 2021 16:54

Tgt Ion:152 Resp: 36579
Ion Ratio Lower Upper
152 100
115 69.0 41.1 123.3
150 153.8 0.0 349.0

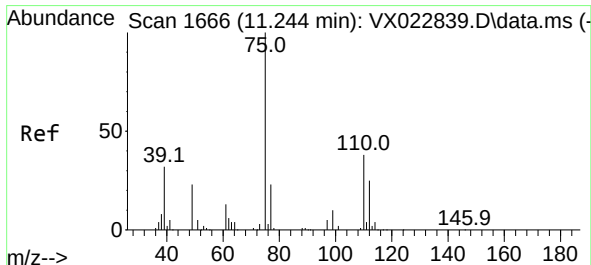
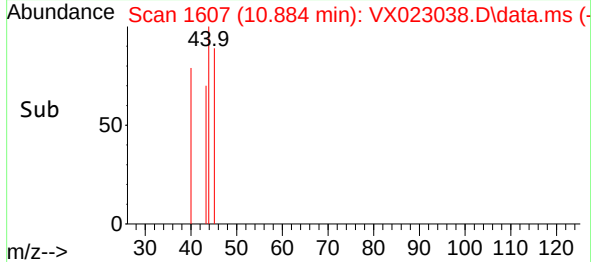
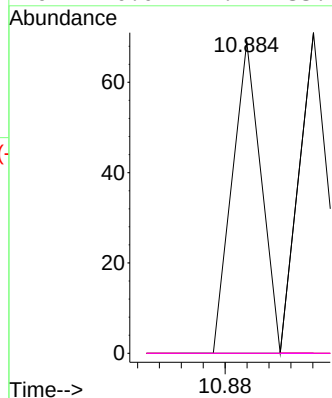
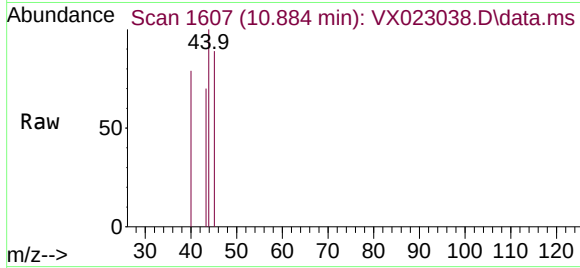




#74
N-amy1 acetate
Concen: 2.069 ug/l
RT: 10.884 min Scan# 1607
Delta R.T. 0.037 min
Lab File: VX023038.D
Acq: 30 Jun 2021 16:54

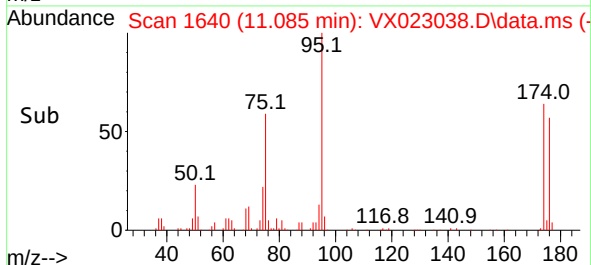
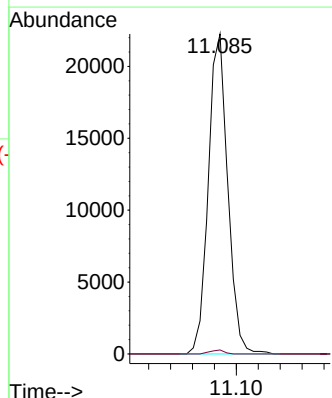
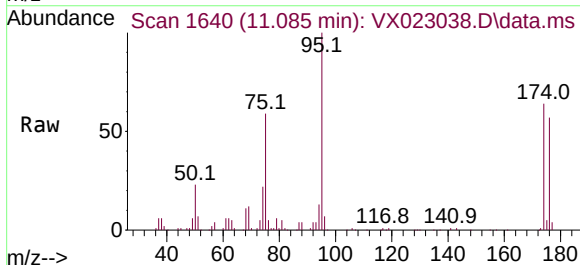
Instrument :
MSVOA_X
ClientSampled :

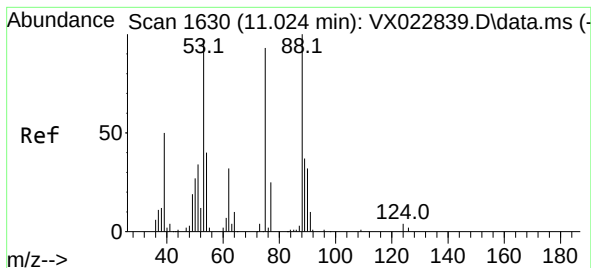
Tgt Ion: 43	Resp:	25
Ion	Ratio	Lower Upper
43	100	
70	0.0	39.0 58.6#
55	0.0	21.5 32.3#
61	0.0	22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 28.297 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023038.D
Acq: 30 Jun 2021 16:54

Tgt Ion: 75	Resp:	27340
Ion	Ratio	Lower Upper
75	100	
77	0.9	19.1 57.5#

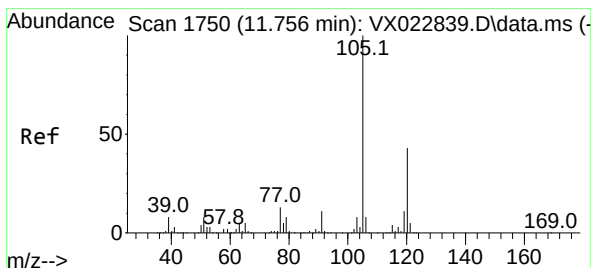
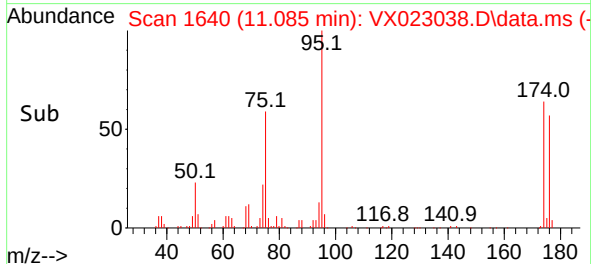
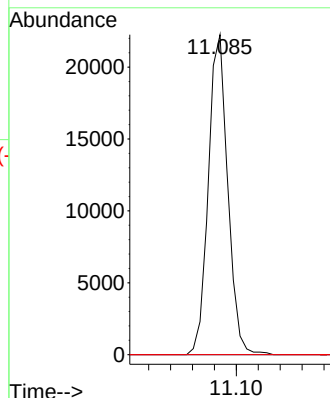
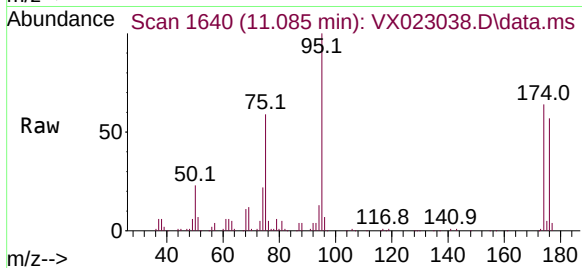




#81
trans-1,4-Dichloro-2-butene
Concen: 72.989 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023038.D
Acq: 30 Jun 2021 16:54

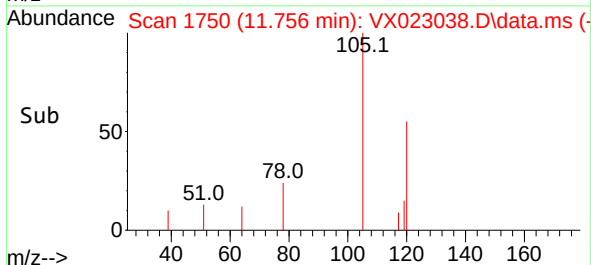
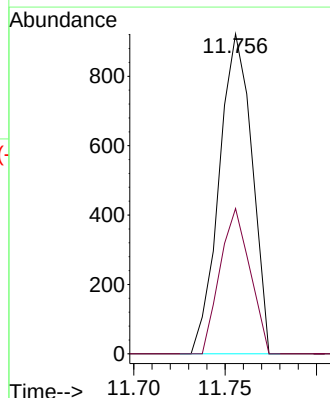
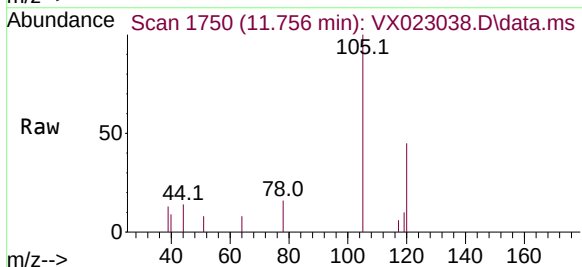
Instrument :
MSVOA_X
ClientSampled :

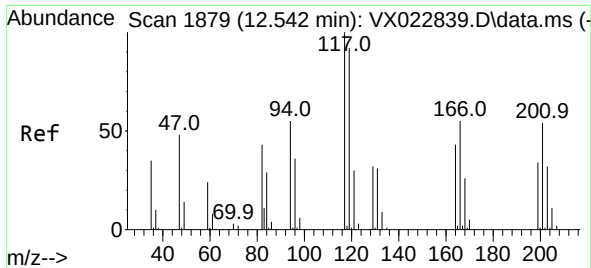
Tgt Ion: 75 Resp: 27340
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#84
1,2,4-Trimethylbenzene
Concen: 0.451 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX023038.D
Acq: 30 Jun 2021 16:54

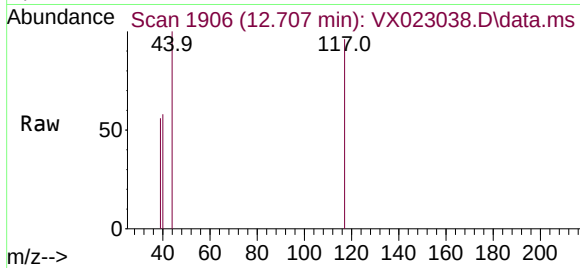
Tgt Ion: 105 Resp: 1154
Ion Ratio Lower Upper
105 100
120 41.3 22.4 67.3



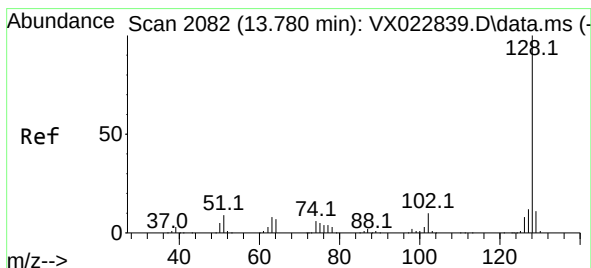
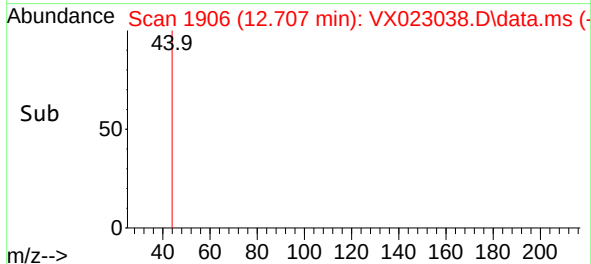
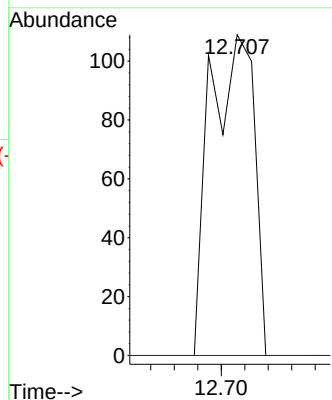


#90
Hexachloroethane
Concen: 3.985 ug/l
RT: 12.707 min Scan# 1906
Delta R.T. 0.165 min
Lab File: VX023038.D
Acq: 30 Jun 2021 16:54

Instrument :
MSVOA_X
ClientSampled :



Tgt Ion:117 Resp: 141
Ion Ratio Lower Upper
117 100
201 0.0 40.4 121.2#



#95
Naphthalene
Concen: 2.155 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX023038.D
Acq: 30 Jun 2021 16:54

Tgt Ion:128 Resp: 721
Ion Ratio Lower Upper
128 100
127 3.2 10.3 15.5#
129 3.2 8.8 13.2#

