

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060822\
 Data File : VX029337.D
 Acq On : 08 Jun 2022 21:27
 Operator : JC/MD
 Sample : N3181-04 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 09 07:02:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 08 03:00:38 2022
 Response via : Initial Calibration

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

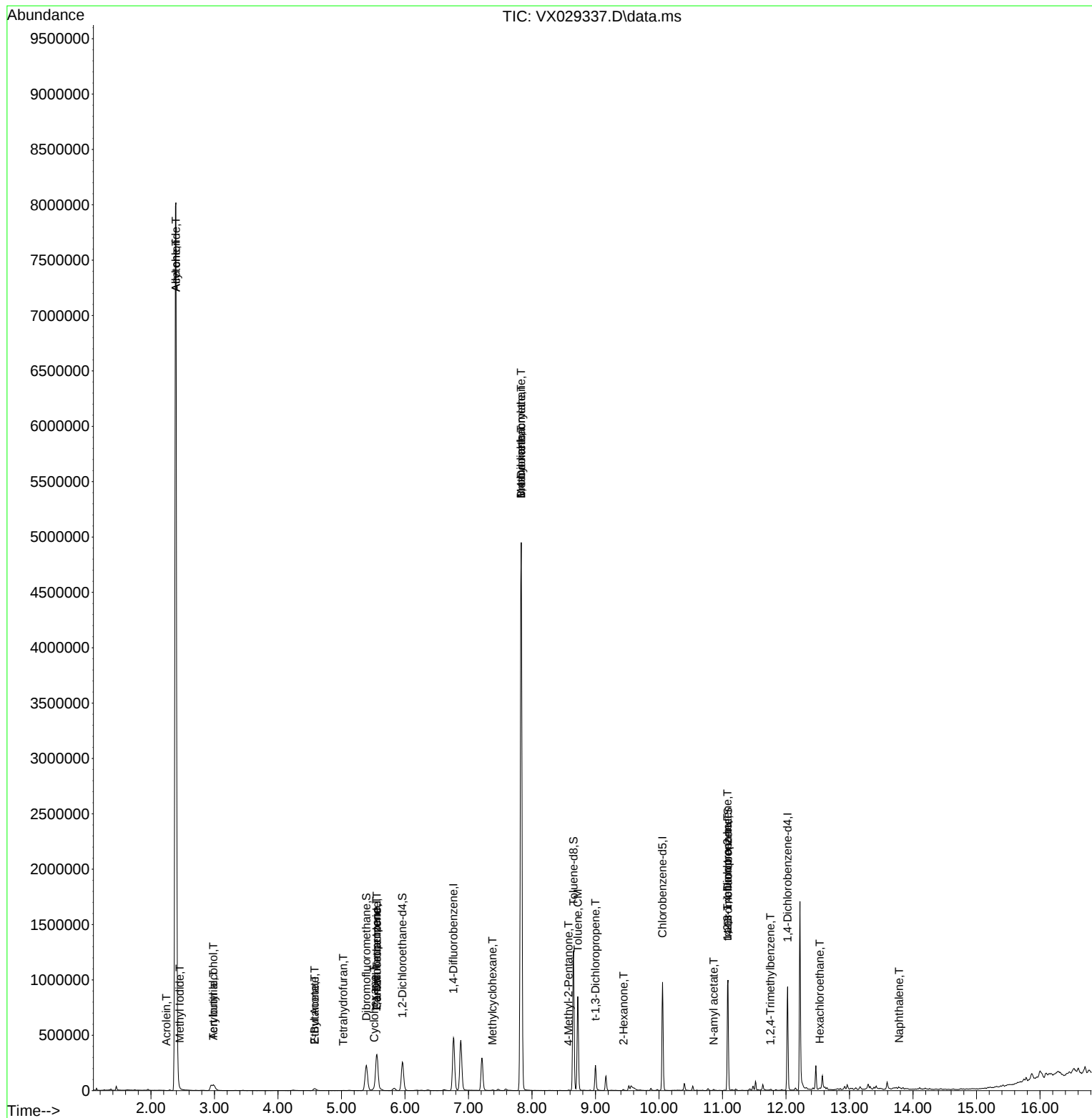
Internal Standards						
1) Pentafluorobenzene	5.556	168	302518	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	500960	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	437981	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	190195	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	246686	53.699	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 107.400%			
35) Dibromofluoromethane	5.391	113	200166	47.000	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 94.000%			
50) Toluene-d8	8.653	98	753296	50.012	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 100.020%			
62) 4-Bromofluorobenzene	11.086	95	283288	48.060	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 96.120%			
Target Compounds						Qvalue
6) Chloroethane	1.685	64	1232	Below Cal		93
10) Methyl Iodide	2.453	142	29	1.240	ug/l #	41
11) Tert butyl alcohol	2.983	59	107089	55.180	ug/l #	94
13) Acrolein	2.240	56	392	0.702	ug/l #	15
14) Allyl chloride	2.392	41	160956	22.049	ug/l #	1
15) Acrylonitrile	2.983	53	1098	0.381	ug/l #	32
16) Acetone	2.392	43	9102533	3719.466	ug/l	92
25) 2-Butanone	4.574	43	19856	5.129	ug/l	89
29) Tetrahydrofuran	5.026	42	520	0.206	ug/l #	91
31) Cyclohexane	5.513	56	3939	0.480	ug/l #	57
36) 1,1-Dichloropropene	5.550	75	24173	3.436	ug/l #	45
37) Ethyl Acetate	4.574	43	19856	2.734	ug/l #	67
38) Carbon Tetrachloride	5.556	117	32389	4.504	ug/l #	15
39) Methylcyclohexane	7.379	83	2023	0.233	ug/l #	83
41) Methacrylonitrile	5.026	41	290	Below Cal	#	10
47) Bromodichloromethane	7.830	83	23881	3.392	ug/l #	69
48) Methyl methacrylate	7.830	41	544109	99.158	ug/l #	31
49) 1,4-Dioxane	7.830	88	244	1.729	ug/l #	1
51) 4-Methyl-2-Pentanone	8.574	43	3102	0.434	ug/l	89
52) Toluene	8.720	92	325999	24.247	ug/l	96
53) t-1,3-Dichloropropene	9.001	75	364	1.363	ug/l #	43
59) 2-Hexanone	9.439	43	5501	1.013	ug/l	99
74) N-amyl acetate	10.860	43	1598	0.315	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	140517	31.631	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	140517	96.238	ug/l #	15
84) 1,2,4-Trimethylbenzene	11.756	105	3292	0.262	ug/l #	60
90) Hexachloroethane	12.530	117	699	0.346	ug/l #	10
95) Naphthalene	13.780	128	8662	0.625	ug/l	98

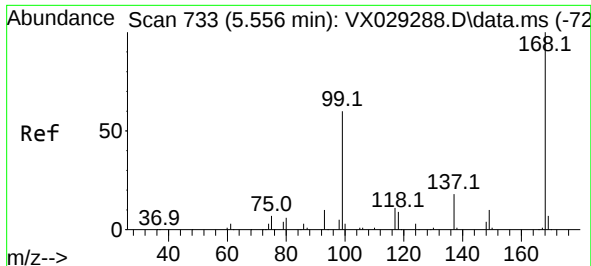
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060822\
Data File : VX029337.D
Acq On : 08 Jun 2022 21:27
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Misc : 5.0mL/MSVOA_X/WATER
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Instrument :
MSVOA_X
ClientSampleId :

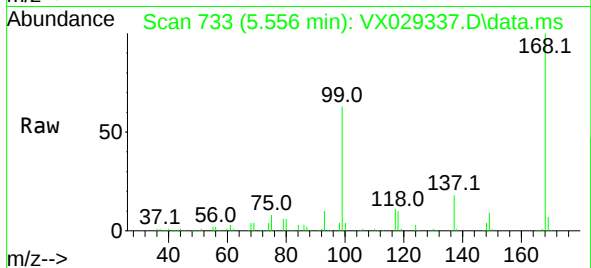
Quant Time: Jun 09 07:02:48 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060722W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 08 03:00:38 2022
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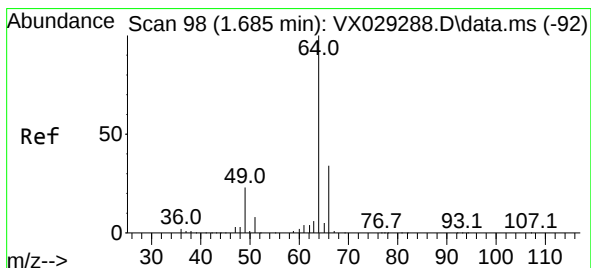
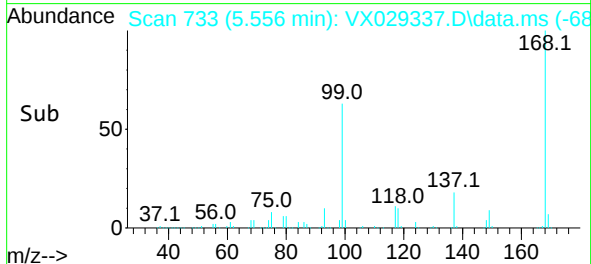
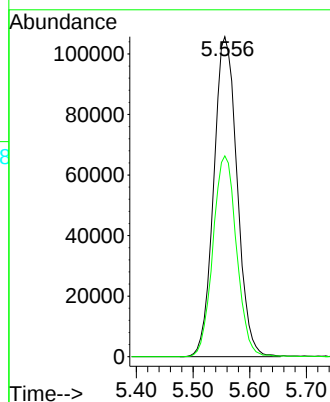


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX029337.D
Acq: 08 Jun 2022 21:27

Instrument :
MSVOA_X
ClientSampleId :

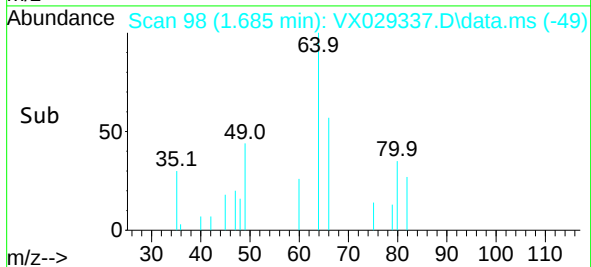
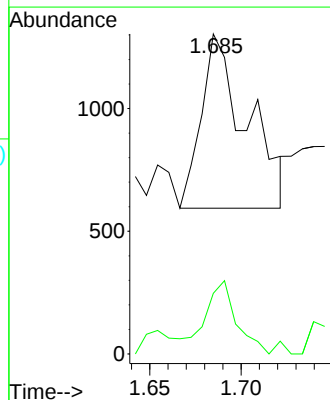
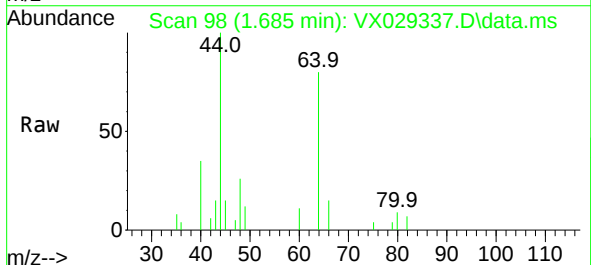


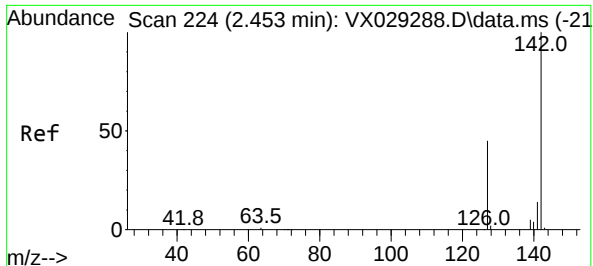
Tgt Ion:168 Resp: 302518
Ion Ratio Lower Upper
168 100
99 62.7 41.7 62.5#



#6
Chloroethane
Concen: Below Cal
RT: 1.685 min Scan# 98
Delta R.T. -0.000 min
Lab File: VX029337.D
Acq: 08 Jun 2022 21:27

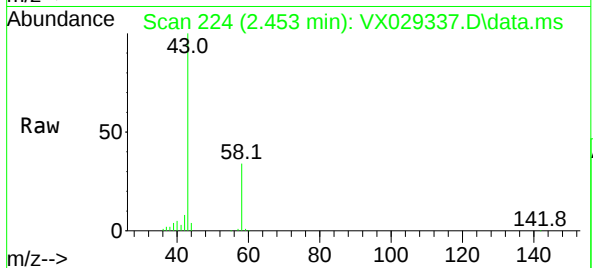
Tgt Ion: 64 Resp: 1232
Ion Ratio Lower Upper
64 100
66 27.5 25.3 37.9



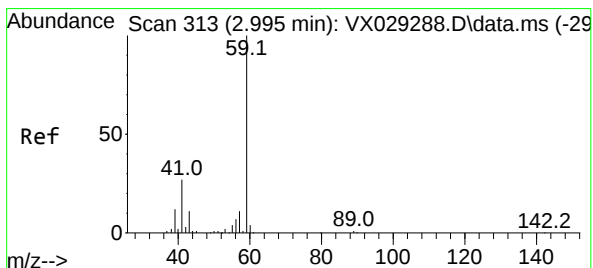
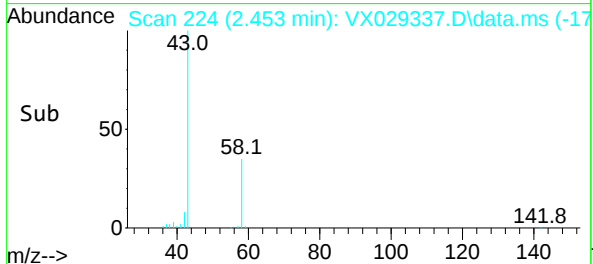
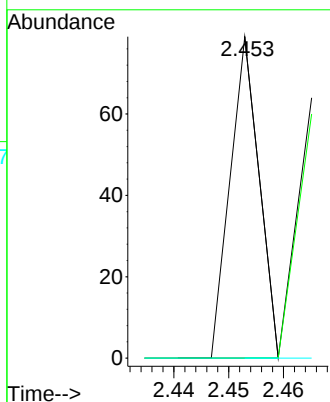


#10
Methyl Iodide
Concen: 1.240 ug/l
RT: 2.453 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX029337.D
Acq: 08 Jun 2022 21:27

Instrument :
MSVOA_X
ClientSampleId :

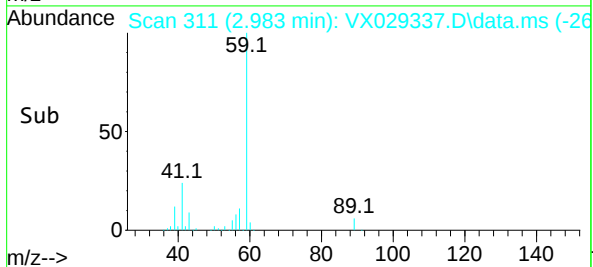
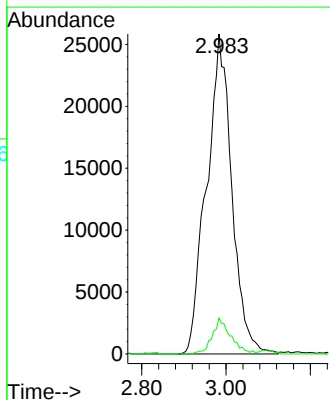
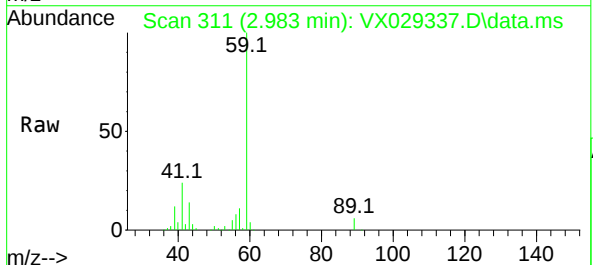


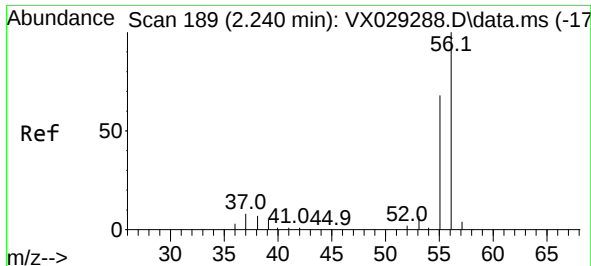
Tgt Ion:142 Resp: 29
Ion Ratio Lower Upper
142 100
127 0.0 33.9 50.9#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 55.180 ug/l
RT: 2.983 min Scan# 311
Delta R.T. -0.012 min
Lab File: VX029337.D
Acq: 08 Jun 2022 21:27

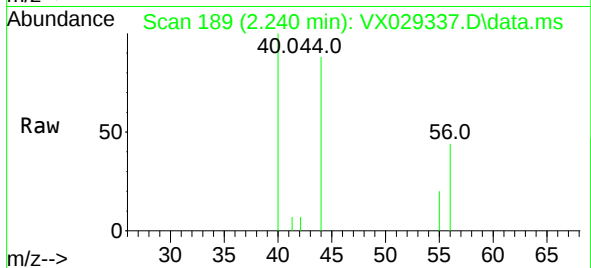
Tgt Ion: 59 Resp: 107089
Ion Ratio Lower Upper
59 100
57 8.1 8.3 12.5#



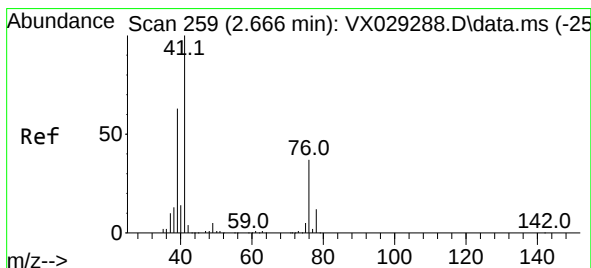
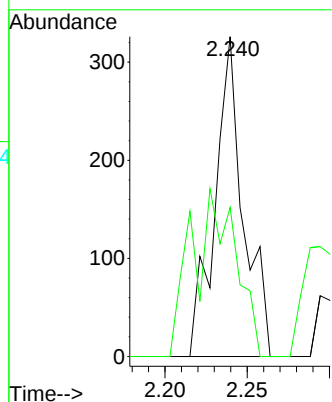
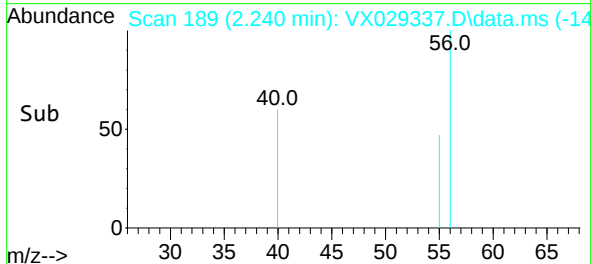


#13
Acrolein
Concen: 0.702 ug/l
RT: 2.240 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029337.D
Acq: 08 Jun 2022 21:27

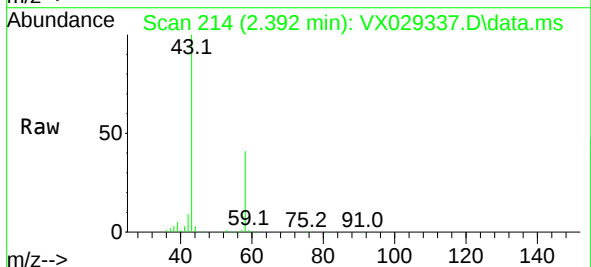
Instrument :
MSVOA_X
ClientSampleId :



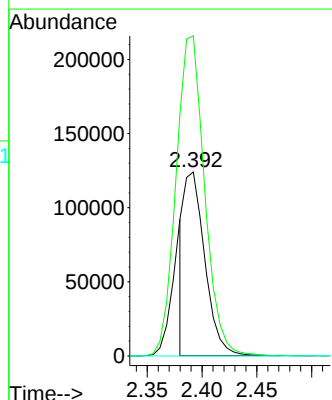
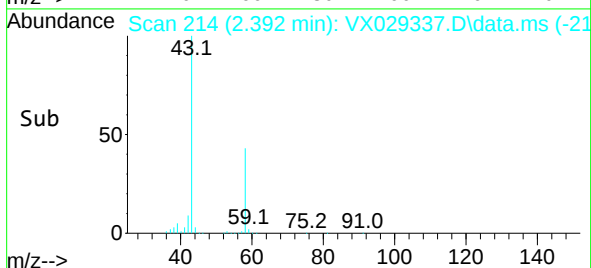
Tgt Ion: 56 Resp: 392
Ion Ratio Lower Upper
56 100
55 0.0 55.0 82.6#

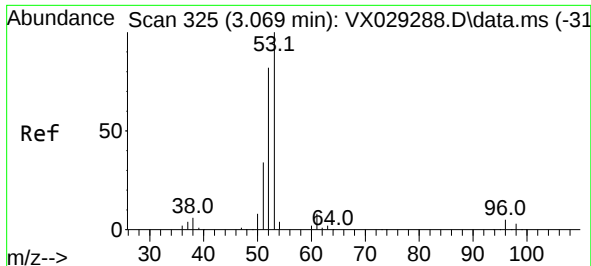


#14
Allyl chloride
Concen: 22.049 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.274 min
Lab File: VX029337.D
Acq: 08 Jun 2022 21:27



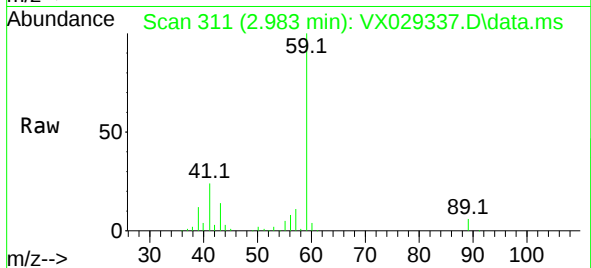
Tgt Ion: 41 Resp: 160956
Ion Ratio Lower Upper
41 100
39 175.1 50.4 75.6#
76 0.0 32.7 49.1#



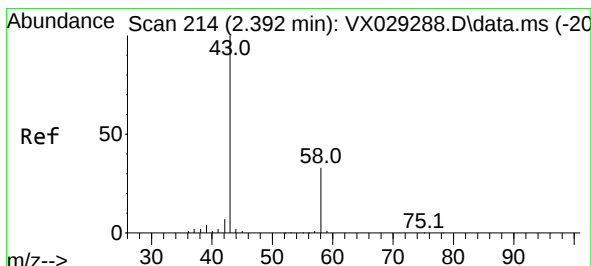
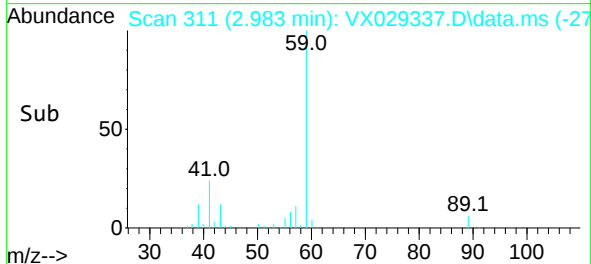
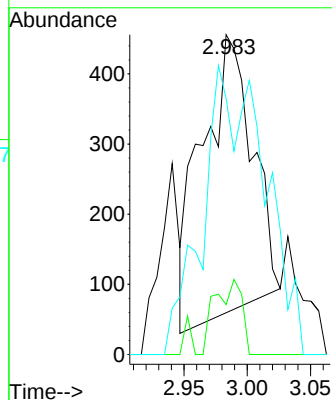


#15
Acrylonitrile
Concen: 0.381 ug/l
RT: 2.983 min Scan# 311
Delta R.T. -0.085 min
Lab File: VX029337.D
Acq: 08 Jun 2022 21:27

Instrument :
MSVOA_X
ClientSampleId :

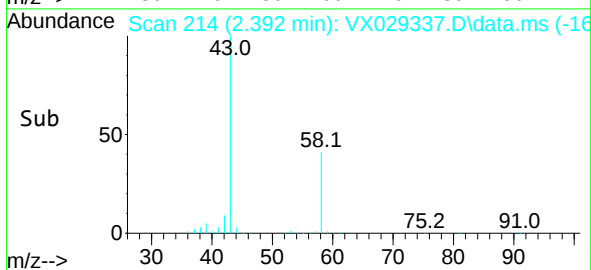
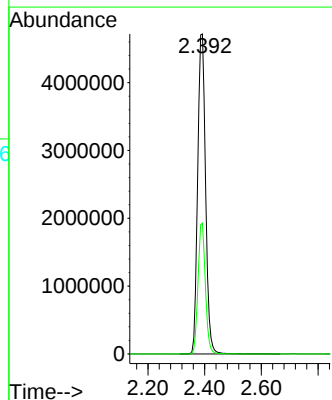
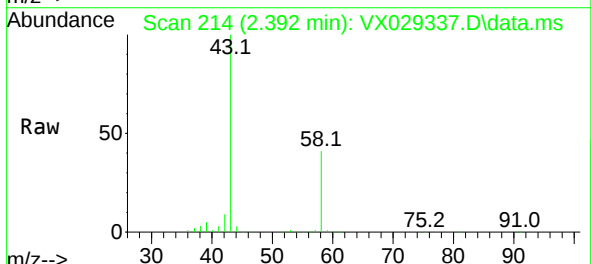


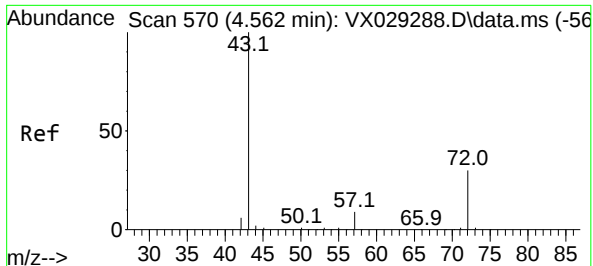
Tgt Ion: 53 Resp: 1098
Ion Ratio Lower Upper
53 100
52 14.4 65.7 98.5#
51 64.9 28.4 42.6#



#16
Acetone
Concen: 3719.466 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX029337.D
Acq: 08 Jun 2022 21:27

Tgt Ion: 43 Resp: 9102533
Ion Ratio Lower Upper
43 100
58 40.9 28.8 43.2





#25

2-Butanone

Concen: 5.129 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX029337.D

Acq: 08 Jun 2022 21:27

Instrument :

MSVOA_X

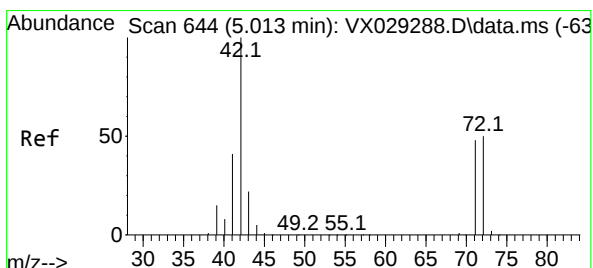
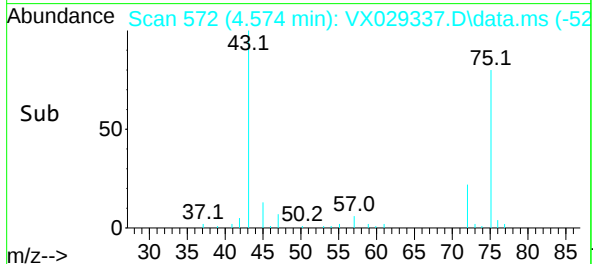
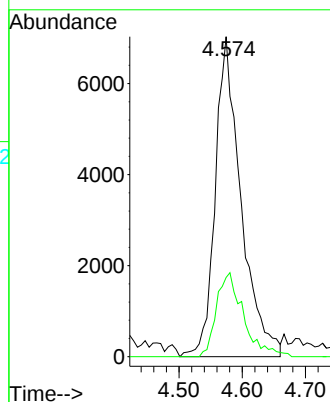
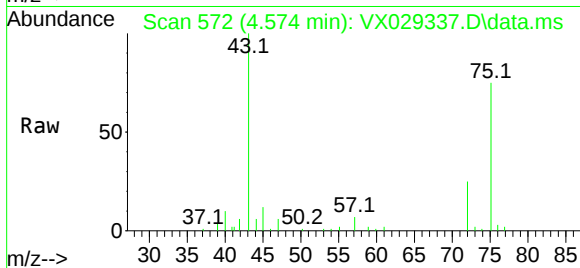
ClientSampleId :

Tgt Ion: 43 Resp: 19856

Ion Ratio Lower Upper

43 100

72 24.7 24.4 36.6



#29

Tetrahydrofuran

Concen: 0.206 ug/l

RT: 5.026 min Scan# 646

Delta R.T. 0.012 min

Lab File: VX029337.D

Acq: 08 Jun 2022 21:27

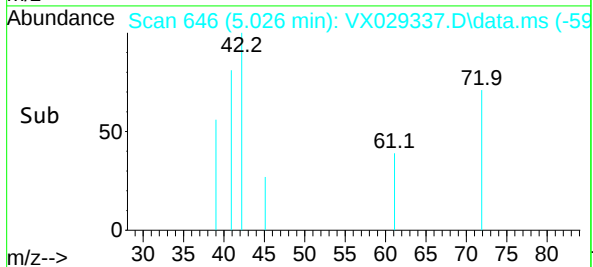
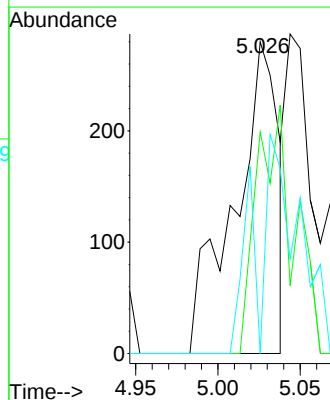
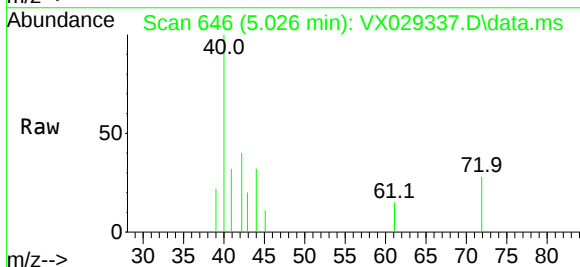
Tgt Ion: 42 Resp: 520

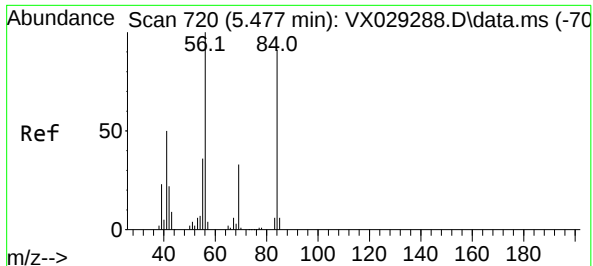
Ion Ratio Lower Upper

42 100

72 67.3 44.1 66.1#

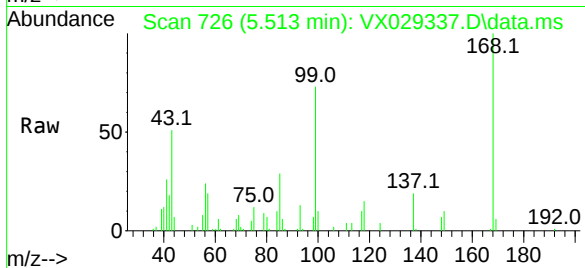
71 51.2 40.5 60.7



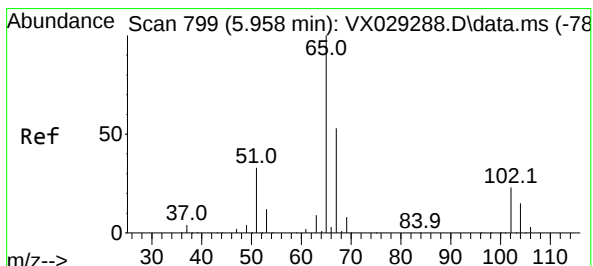
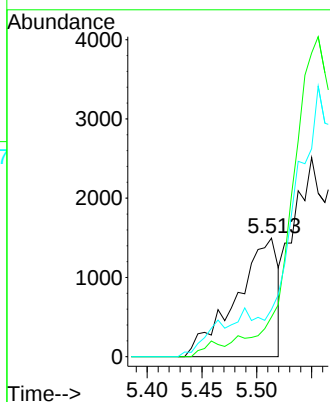
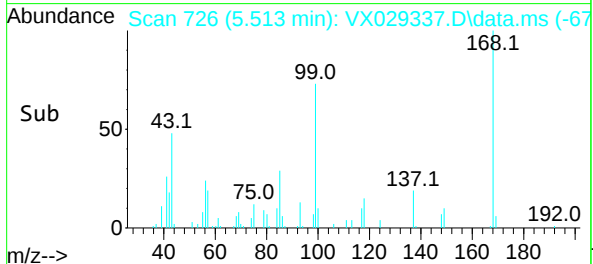


#31
Cyclohexane
Concen: 0.480 ug/l
RT: 5.513 min Scan# 726
Delta R.T. 0.037 min
Lab File: VX029337.D
Acq: 08 Jun 2022 21:27

Instrument :
MSVOA_X
ClientSampleId :

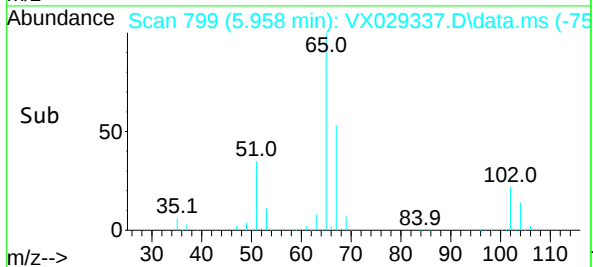
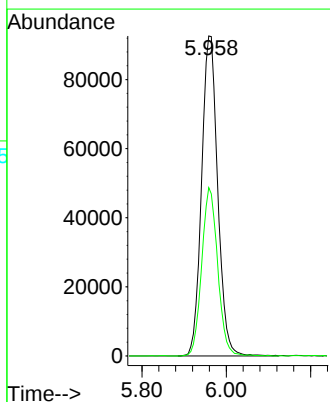
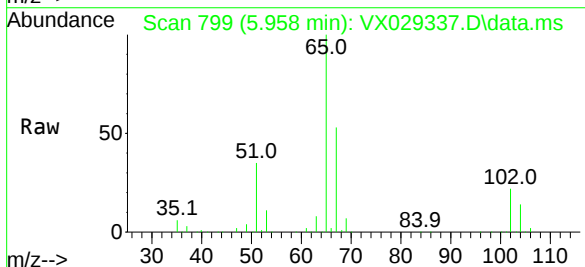


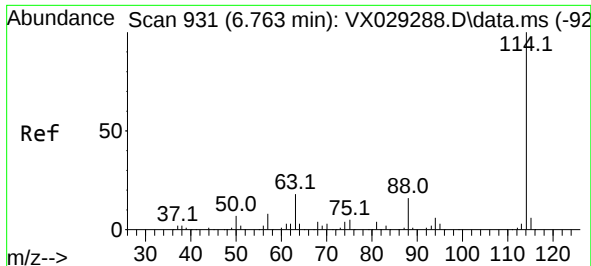
Tgt Ion: 56 Resp: 3939
Ion Ratio Lower Upper
56 100
69 33.5 26.7 40.1
84 39.8 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 53.699 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX029337.D
Acq: 08 Jun 2022 21:27

Tgt Ion: 65 Resp: 246686
Ion Ratio Lower Upper
65 100
67 52.1 0.0 107.4

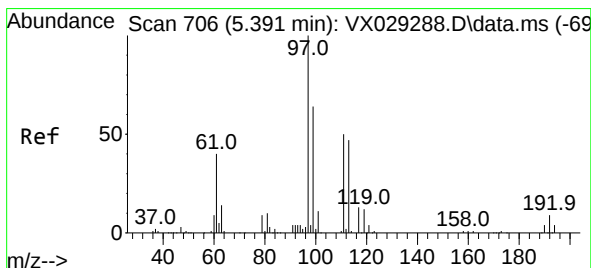
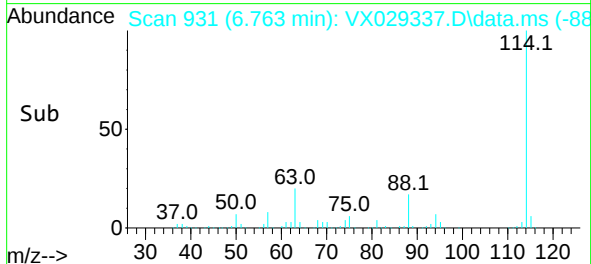
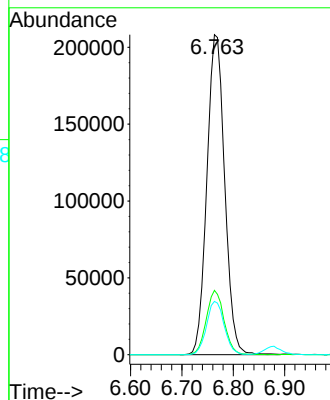
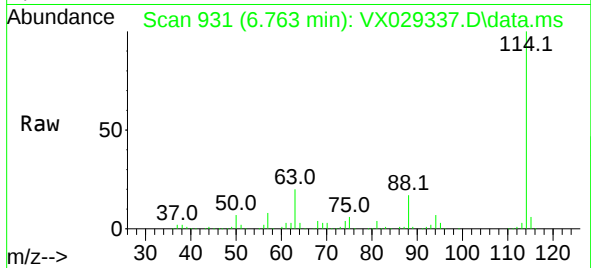




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX029337.D
Acq: 08 Jun 2022 21:27

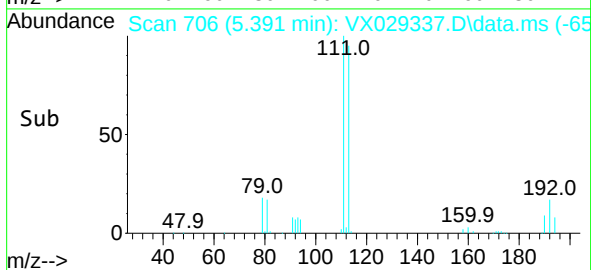
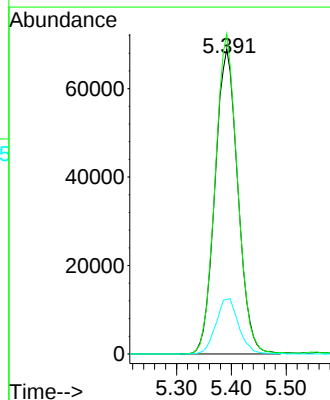
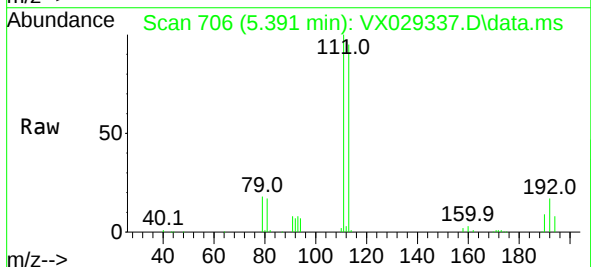
Instrument :
MSVOA_X
ClientSampleId :

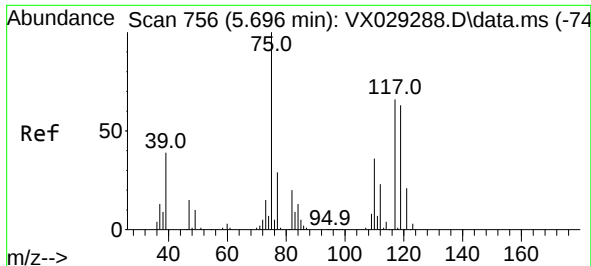
Tgt Ion:114 Resp: 500960
Ion Ratio Lower Upper
114 100
63 20.1 0.0 36.8
88 16.7 0.0 32.4



#35
Dibromofluoromethane
Concen: 47.000 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX029337.D
Acq: 08 Jun 2022 21:27

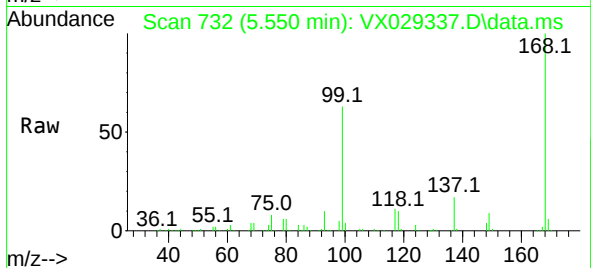
Tgt Ion:113 Resp: 200166
Ion Ratio Lower Upper
113 100
111 102.5 82.8 124.2
192 18.1 16.9 25.3



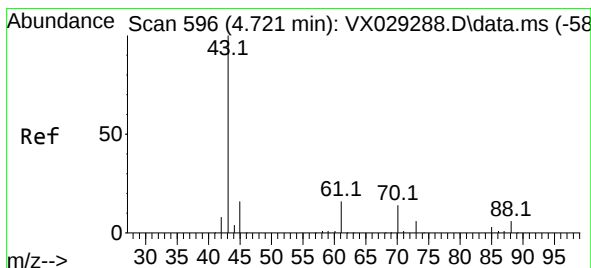
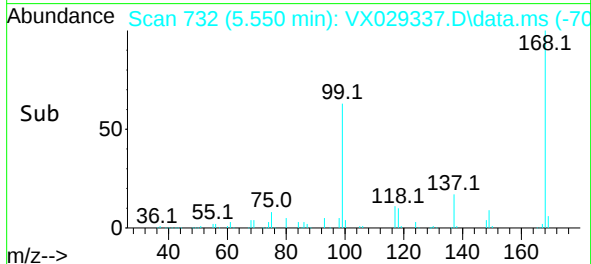
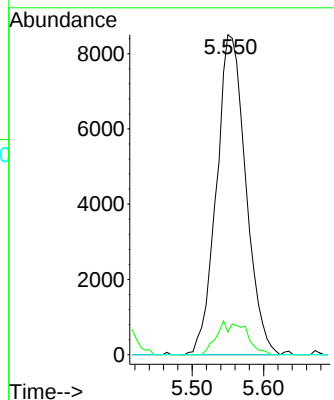


#36
1,1-Dichloropropene
Concen: 3.436 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX029337.D
Acq: 08 Jun 2022 21:27

Instrument :
MSVOA_X
ClientSampleId :

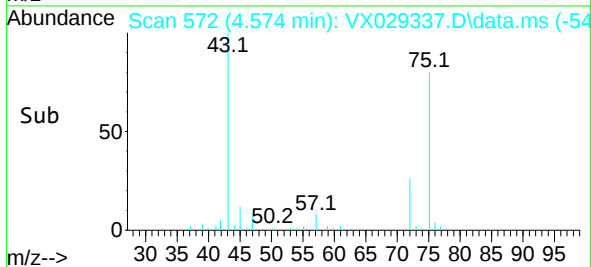
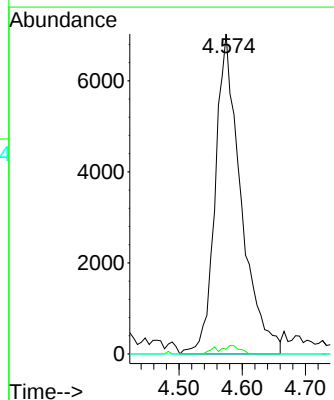
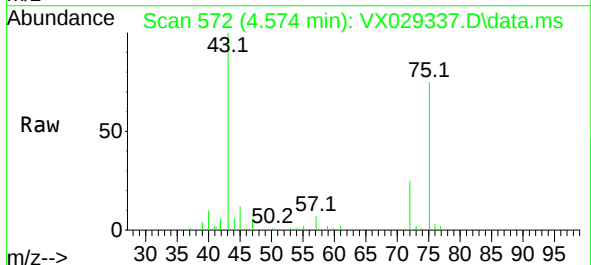


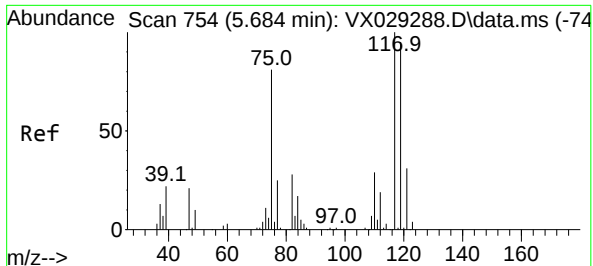
Tgt Ion: 75 Resp: 24173
Ion Ratio Lower Upper
75 100
110 4.4 18.3 54.8#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 2.734 ug/l
RT: 4.574 min Scan# 572
Delta R.T. -0.146 min
Lab File: VX029337.D
Acq: 08 Jun 2022 21:27

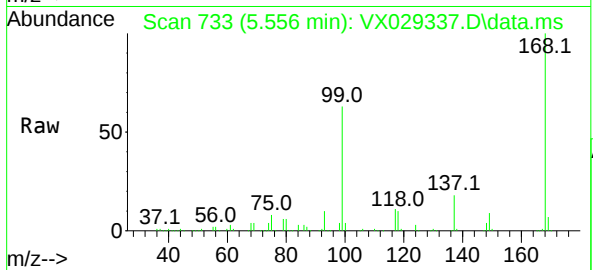
Tgt Ion: 43 Resp: 19856
Ion Ratio Lower Upper
43 100
61 1.6 12.6 19.0#
70 0.0 10.2 15.2#



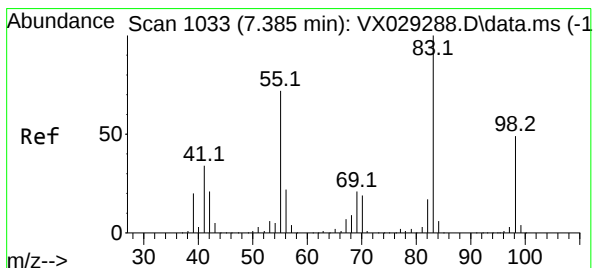
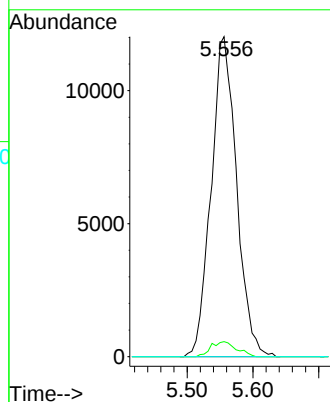
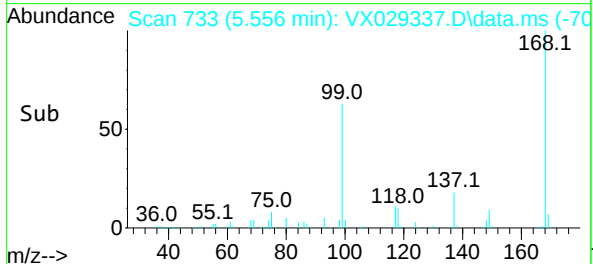


#38
Carbon Tetrachloride
Concen: 4.504 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX029337.D
Acq: 08 Jun 2022 21:27

Instrument :
MSVOA_X
ClientSampleId :

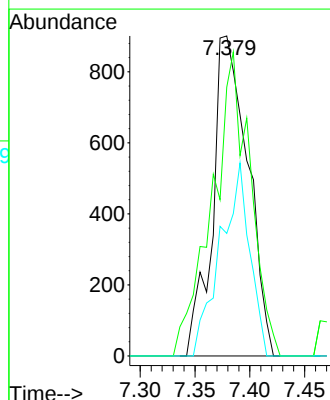
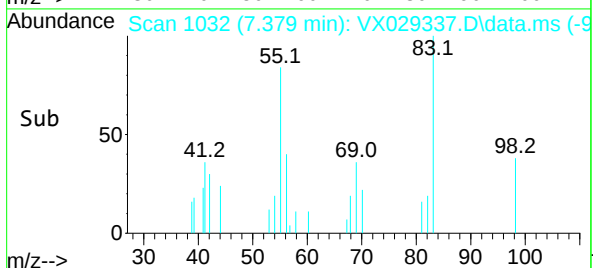
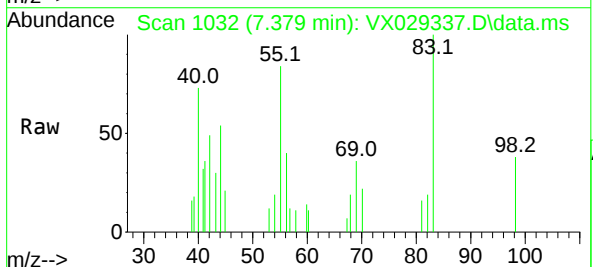


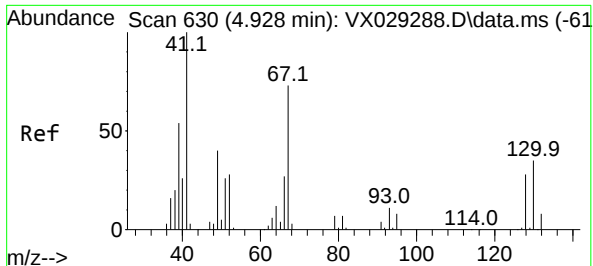
Tgt Ion:117 Resp: 32389
Ion Ratio Lower Upper
117 100
119 4.7 77.3 115.9#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 0.233 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. -0.006 min
Lab File: VX029337.D
Acq: 08 Jun 2022 21:27

Tgt Ion: 83 Resp: 2023
Ion Ratio Lower Upper
83 100
55 84.0 54.6 81.8#
98 38.3 37.4 56.2

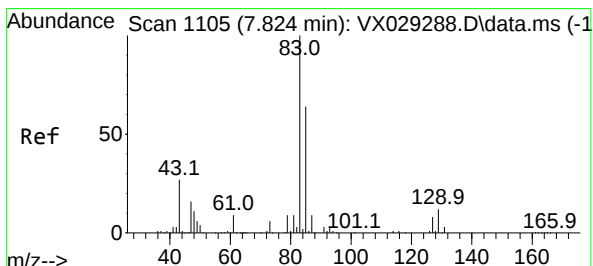
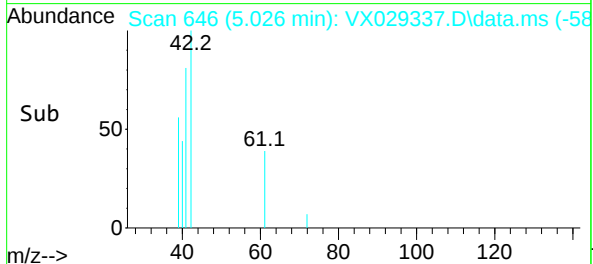
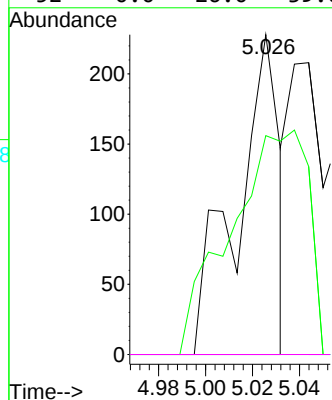
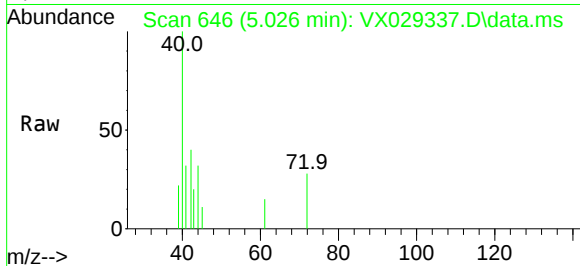




#41
Methacrylonitrile
Concen: Below Cal
RT: 5.026 min Scan# 64
Delta R.T. 0.098 min
Lab File: VX029337.D
Acq: 08 Jun 2022 21:27

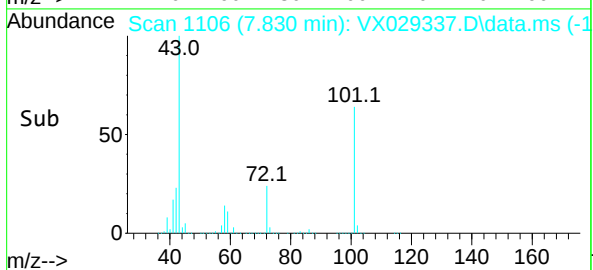
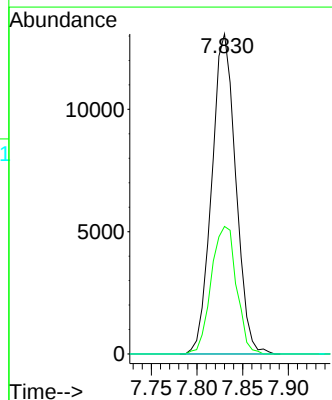
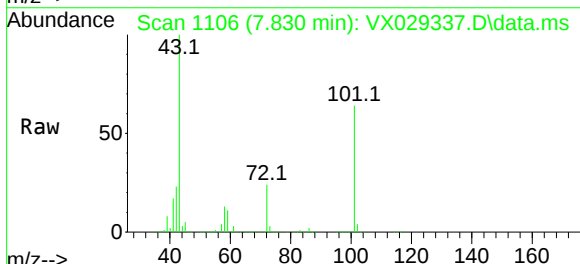
Instrument :
MSVOA_X
ClientSampleId :

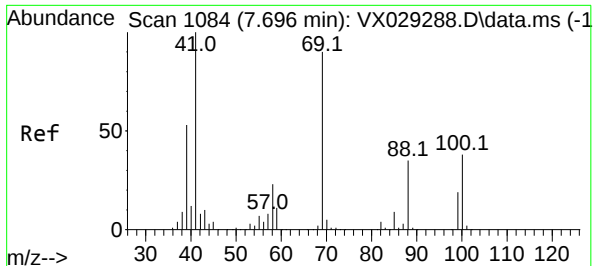
Tgt Ion:	41	Resp:	290
Ion	Ratio	Lower	Upper
41	100		
39	126.9	43.0	64.4#
67	0.0	70.2	105.4#
52	0.0	26.0	39.0#



#47
Bromodichloromethane
Concen: 3.392 ug/l
RT: 7.830 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VX029337.D
Acq: 08 Jun 2022 21:27

Tgt Ion:	83	Resp:	23881
Ion	Ratio	Lower	Upper
83	100		
85	39.9	52.2	78.2#
127	0.0	6.8	10.2#

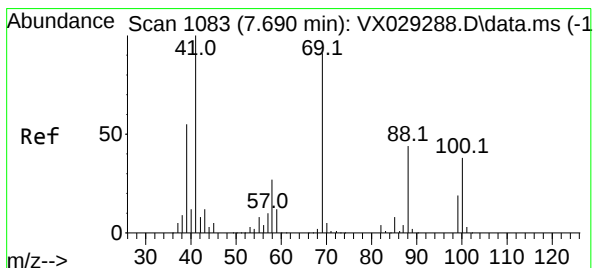
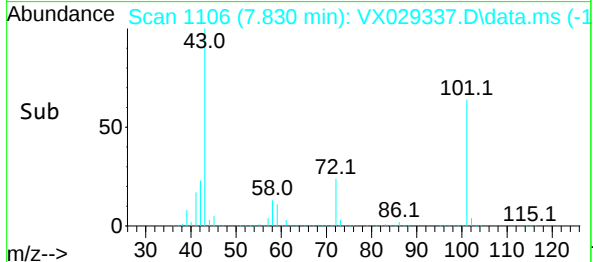
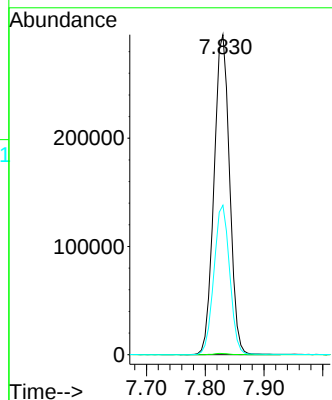
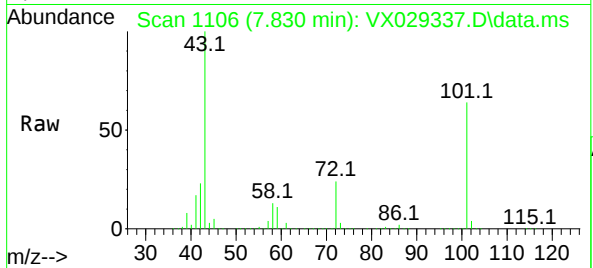




#48
Methyl methacrylate
Concen: 99.158 ug/l
RT: 7.830 min Scan# 1106
Delta R.T. 0.134 min
Lab File: VX029337.D
Acq: 08 Jun 2022 21:27

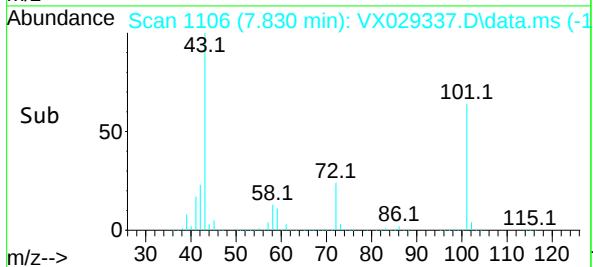
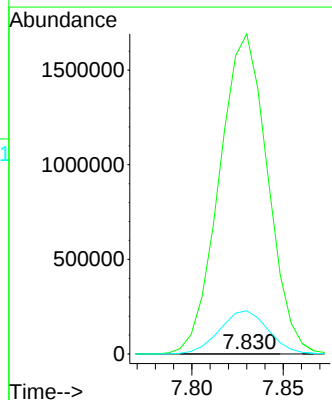
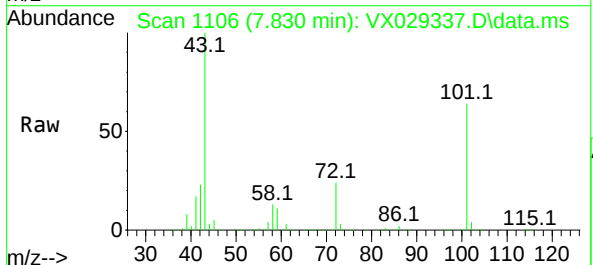
Instrument :
MSVOA_X
ClientSampleId :

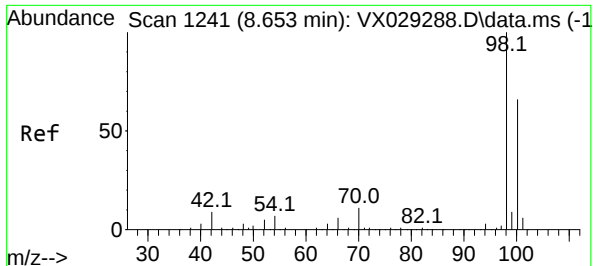
Tgt Ion: 41 Resp: 544109
Ion Ratio Lower Upper
41 100
69 0.4 82.5 123.7#
39 47.5 43.8 65.8



#49
1,4-Dioxane
Concen: 1.729 ug/l
RT: 7.830 min Scan# 1106
Delta R.T. 0.140 min
Lab File: VX029337.D
Acq: 08 Jun 2022 21:27

Tgt Ion: 88 Resp: 244
Ion Ratio Lower Upper
88 100
43 1282258.2 21.9 32.9#
58 174522.1 53.7 80.5#

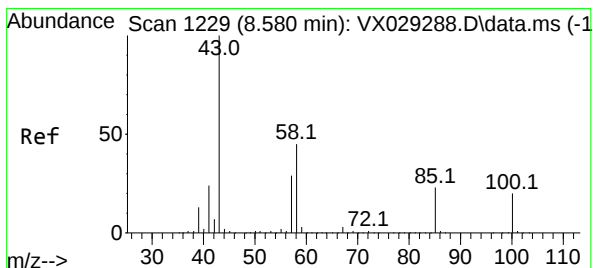
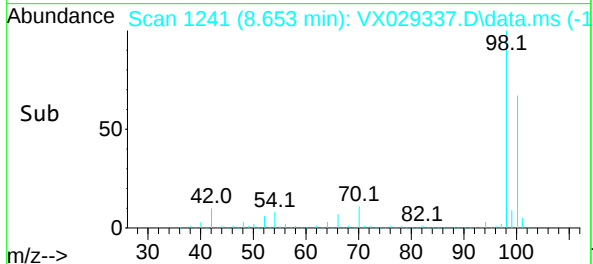
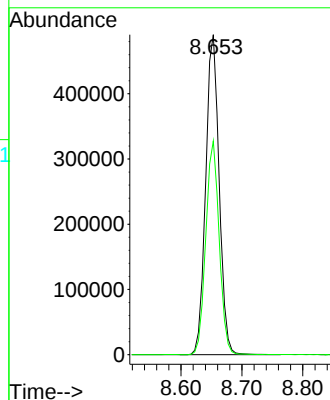
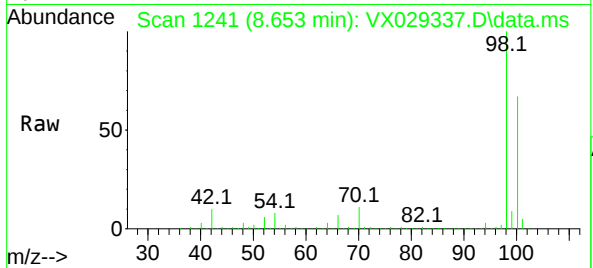




#50
Toluene-d8
Concen: 50.012 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029337.D
Acq: 08 Jun 2022 21:27

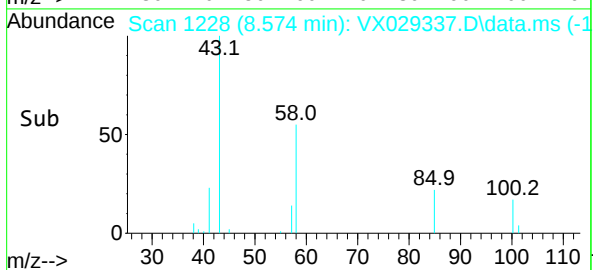
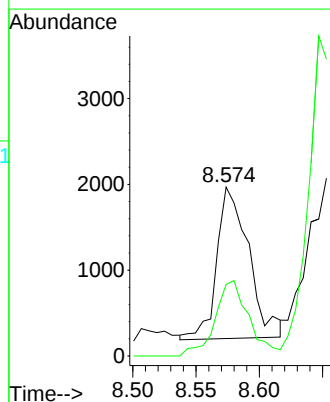
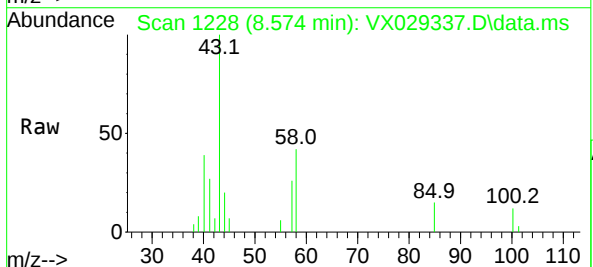
Instrument :
MSVOA_X
ClientSampleId :

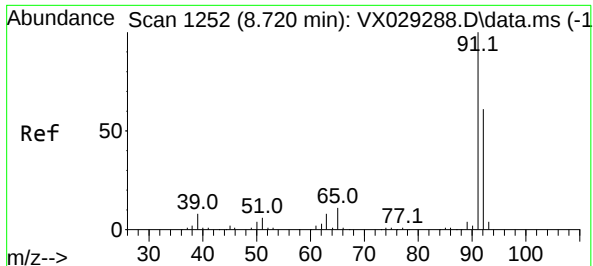
Tgt Ion: 98 Resp: 753296
Ion Ratio Lower Upper
98 100
100 66.5 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.434 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.006 min
Lab File: VX029337.D
Acq: 08 Jun 2022 21:27

Tgt Ion: 43 Resp: 3102
Ion Ratio Lower Upper
43 100
58 52.4 36.1 54.1

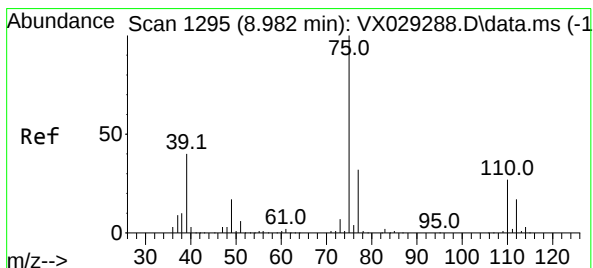
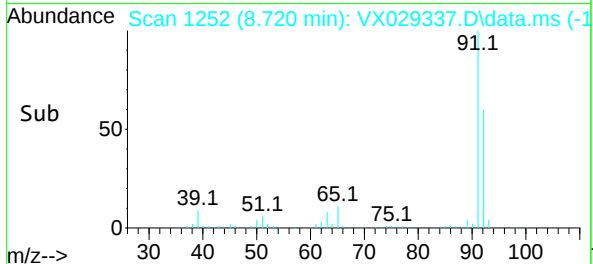
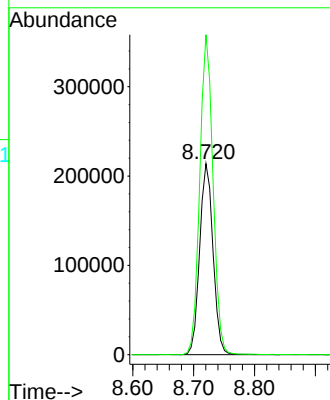
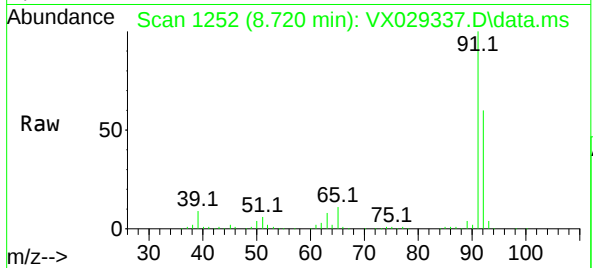




#52
Toluene
Concen: 24.247 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX029337.D
Acq: 08 Jun 2022 21:27

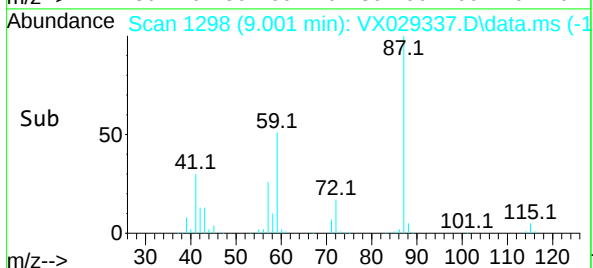
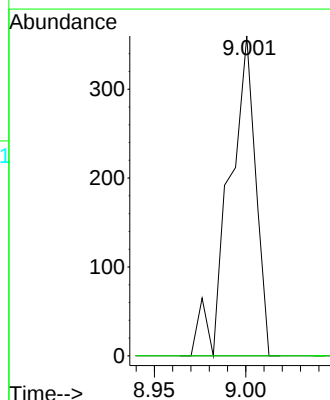
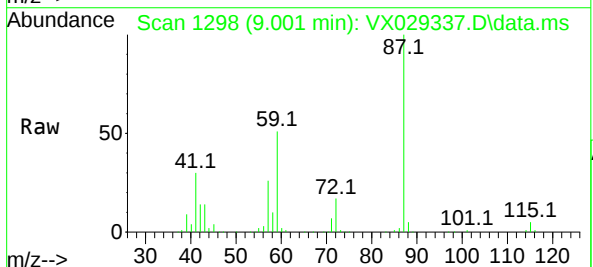
Instrument :
MSVOA_X
ClientSampleId :

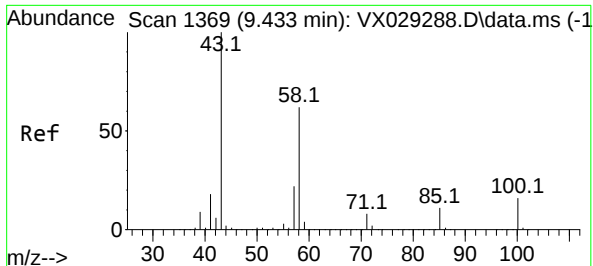
Tgt Ion: 92 Resp: 325999
Ion Ratio Lower Upper
92 100
91 165.8 137.5 206.3



#53
t-1,3-Dichloropropene
Concen: 1.363 ug/l
RT: 9.001 min Scan# 1298
Delta R.T. 0.019 min
Lab File: VX029337.D
Acq: 08 Jun 2022 21:27

Tgt Ion: 75 Resp: 364
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#





#59

2-Hexanone

Concen: 1.013 ug/l

RT: 9.439 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX029337.D

Acq: 08 Jun 2022 21:27

Instrument :

MSVOA_X

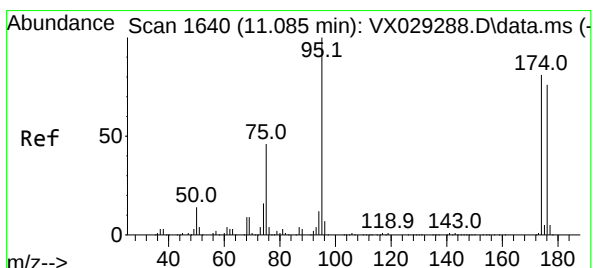
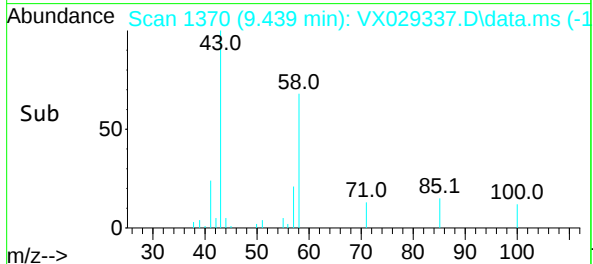
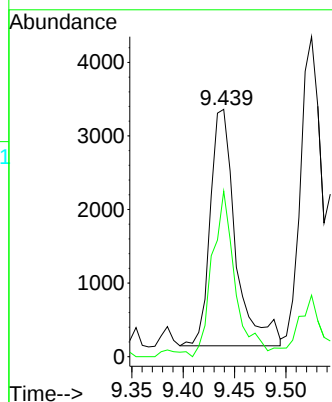
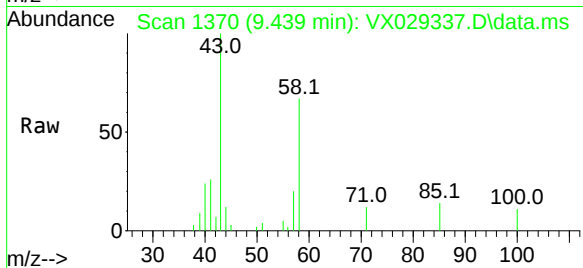
ClientSampleId :

Tgt Ion: 43 Resp: 5501

Ion Ratio Lower Upper

43 100

58 64.7 31.9 95.7



#62

4-Bromofluorobenzene

Concen: 48.060 ug/l

RT: 11.086 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX029337.D

Acq: 08 Jun 2022 21:27

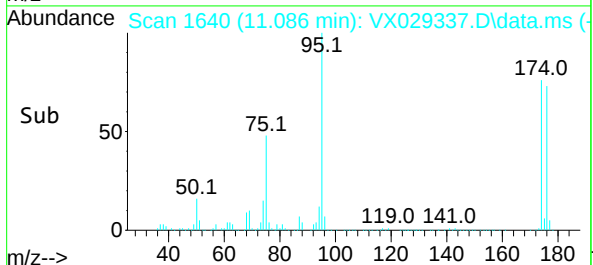
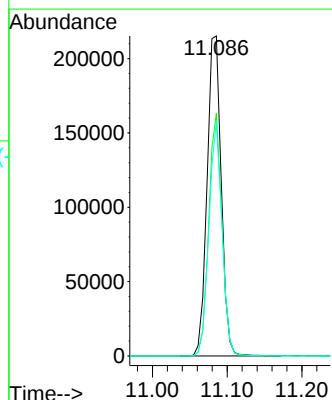
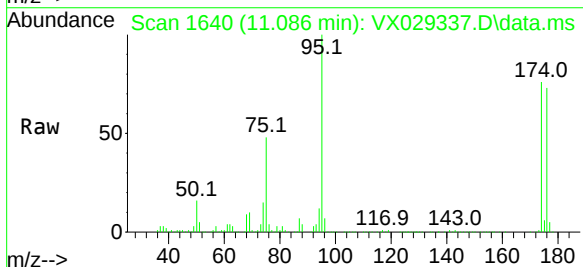
Tgt Ion: 95 Resp: 283288

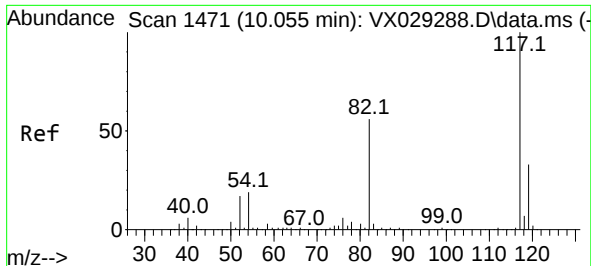
Ion Ratio Lower Upper

95 100

174 70.8 0.0 163.0

176 68.0 0.0 155.0

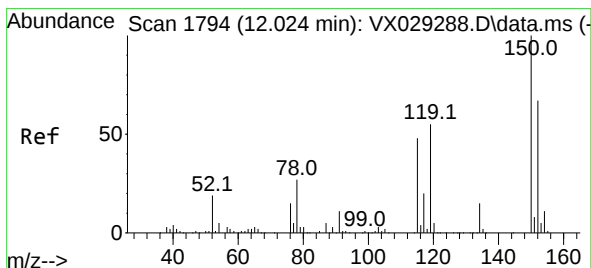
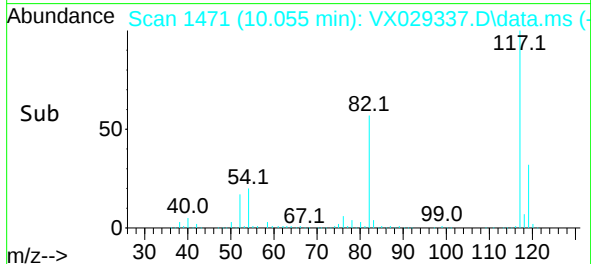
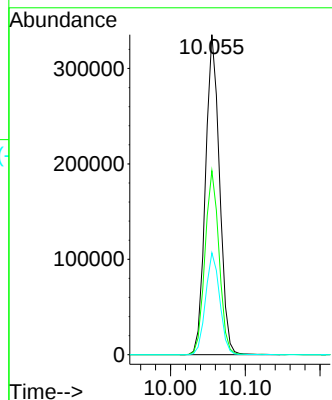
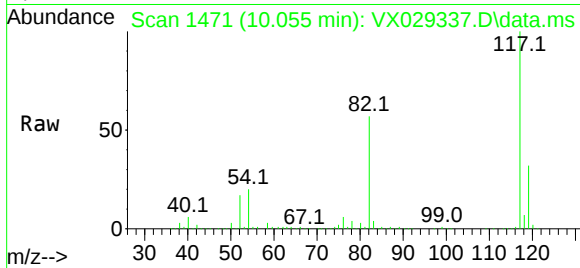




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029337.D
Acq: 08 Jun 2022 21:27

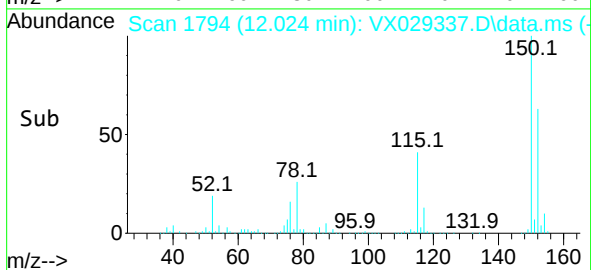
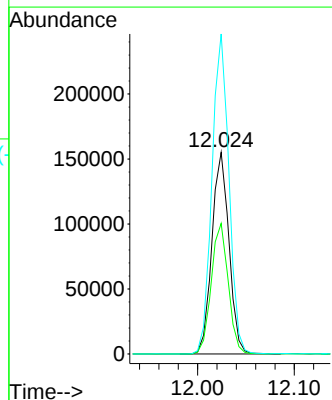
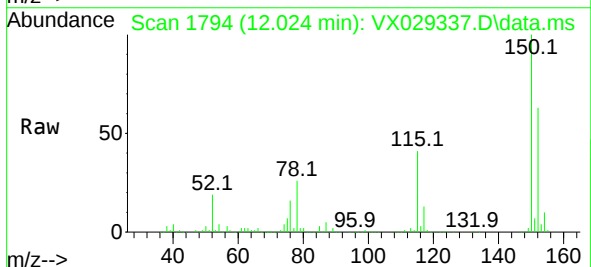
Instrument :
MSVOA_X
ClientSampleId :

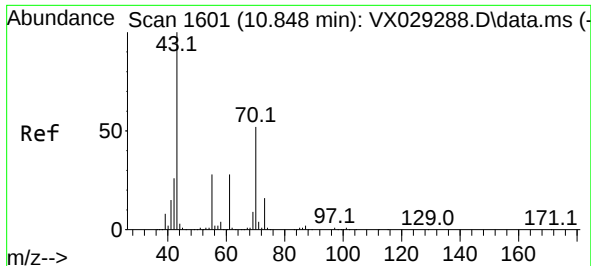
Tgt Ion:117 Resp: 437981
Ion Ratio Lower Upper
117 100
82 57.5 41.8 62.8
119 31.8 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX029337.D
Acq: 08 Jun 2022 21:27

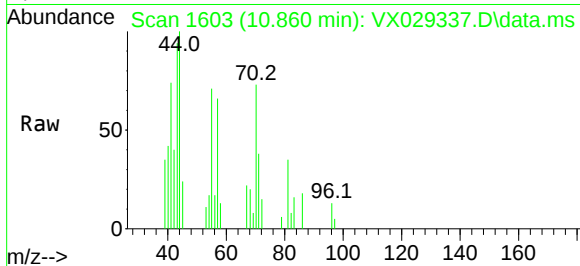
Tgt Ion:152 Resp: 190195
Ion Ratio Lower Upper
152 100
115 64.4 37.5 112.7
150 157.5 0.0 338.2



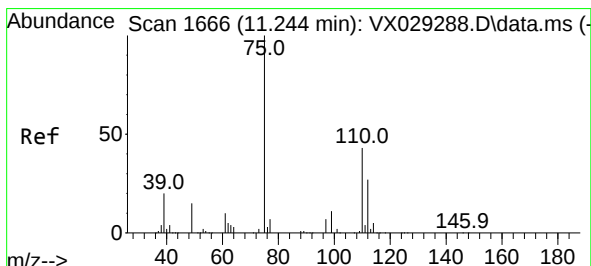
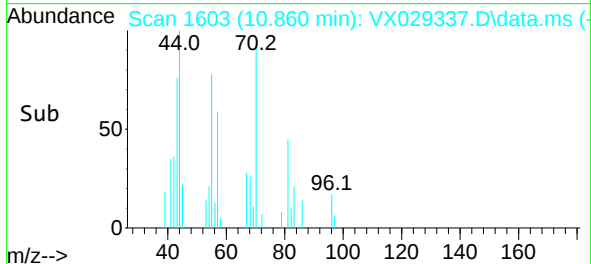
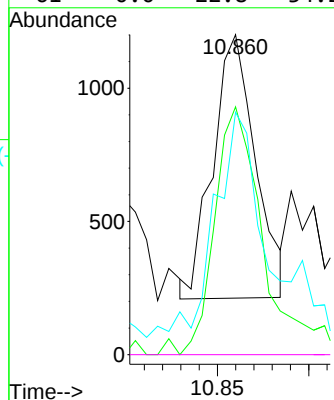


#74
N-amy1 acetate
Concen: 0.315 ug/l
RT: 10.860 min Scan# 1603
Delta R.T. 0.012 min
Lab File: VX029337.D
Acq: 08 Jun 2022 21:27

Instrument :
MSVOA_X
ClientSampleId :

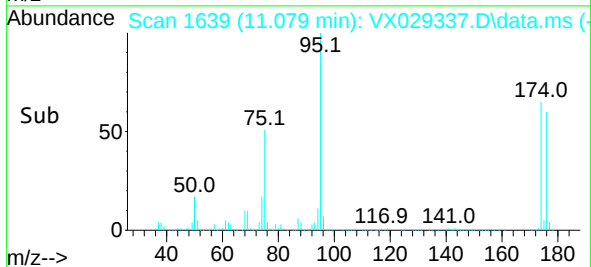
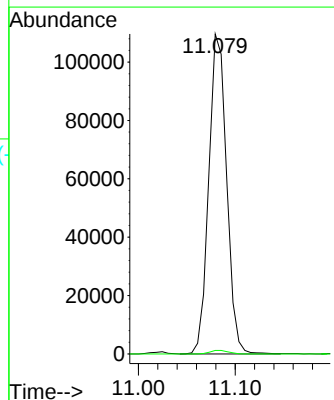
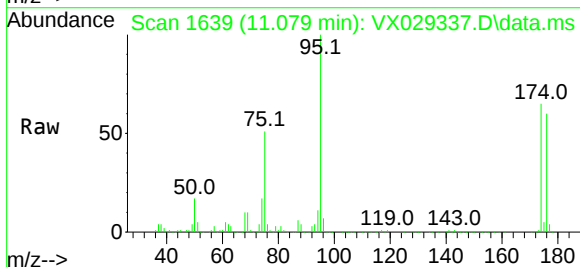


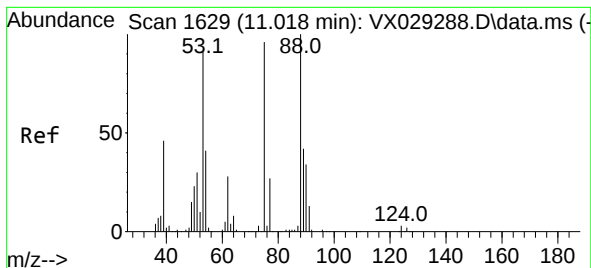
Tgt Ion: 43	Resp: 1598
Ion Ratio	Lower Upper
43 100	
70 107.3	42.5 63.7#
55 129.9	23.1 34.7#
61 0.0	22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 31.631 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX029337.D
Acq: 08 Jun 2022 21:27

Tgt Ion: 75	Resp: 140517
Ion Ratio	Lower Upper
75 100	
77 1.1	19.4 58.2#

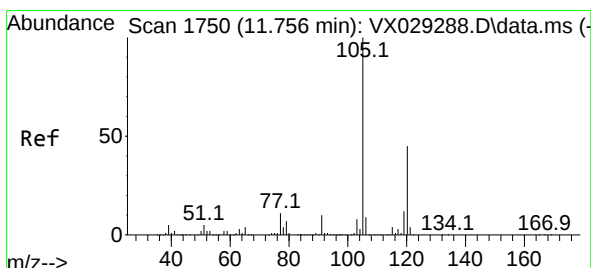
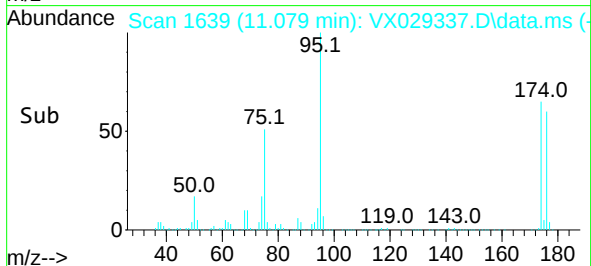
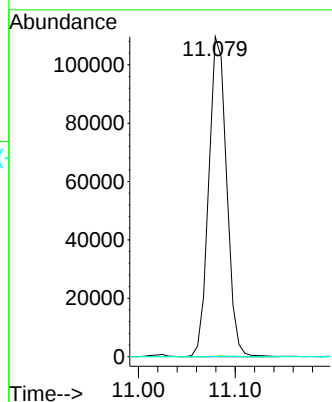
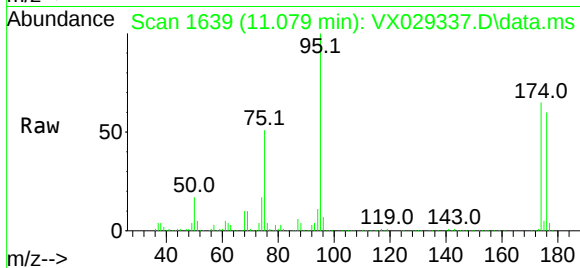




#81
trans-1,4-Dichloro-2-butene
Concen: 96.238 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029337.D
Acq: 08 Jun 2022 21:27

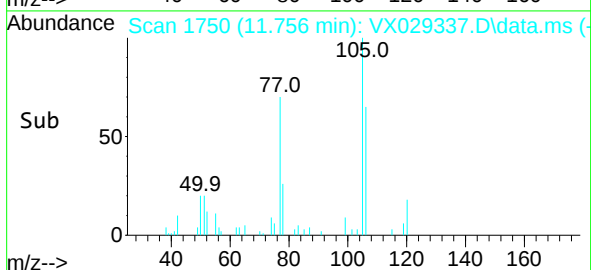
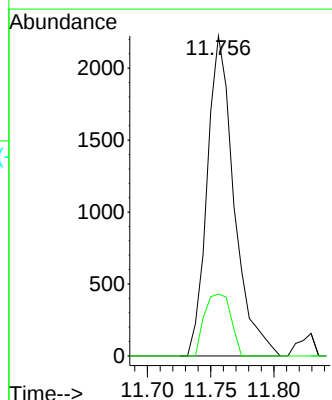
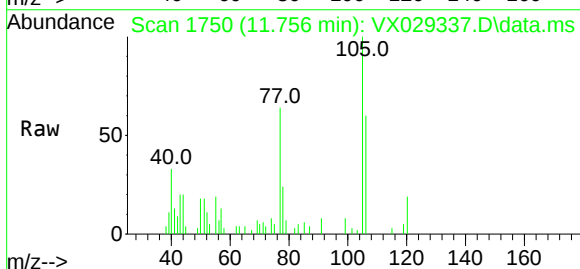
Instrument :
MSVOA_X
ClientSampleId :

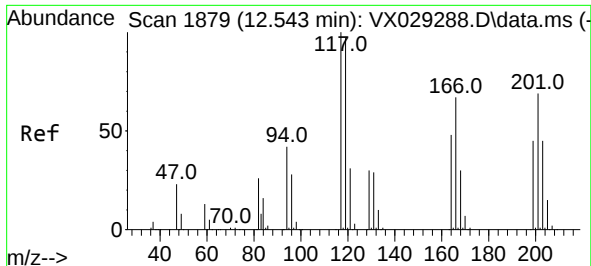
Tgt Ion: 75 Resp: 140517
Ion Ratio Lower Upper
75 100
53 0.2 69.0 103.4#
89 0.1 37.0 55.6#



#84
1,2,4-Trimethylbenzene
Concen: 0.262 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX029337.D
Acq: 08 Jun 2022 21:27

Tgt Ion: 105 Resp: 3292
Ion Ratio Lower Upper
105 100
120 18.9 22.6 67.8#

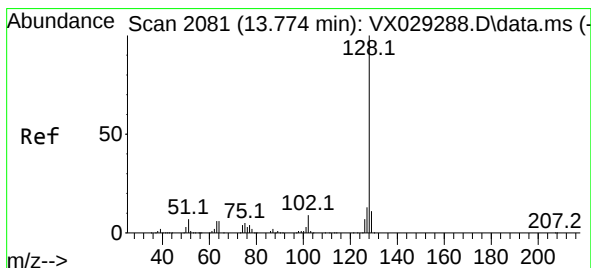
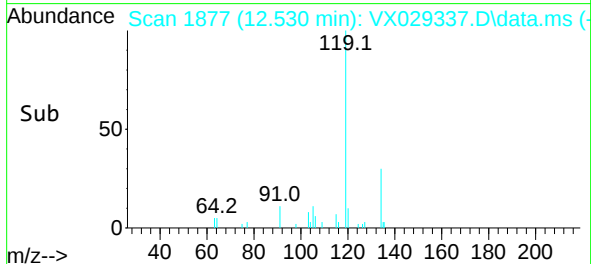
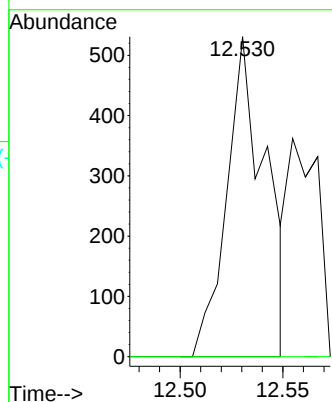
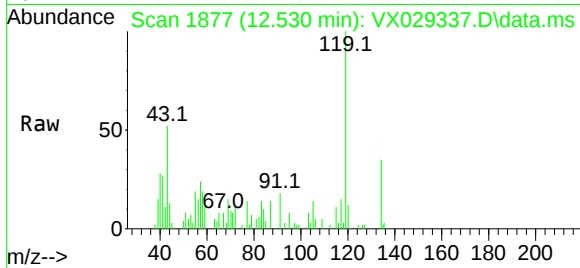




#90
Hexachloroethane
Concen: 0.346 ug/l
RT: 12.530 min Scan# 117
Delta R.T. -0.012 min
Lab File: VX029337.D
Acq: 08 Jun 2022 21:27

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:117 Resp: 699
Ion Ratio Lower Upper
117 100
201 0.0 39.5 118.5#



#95
Naphthalene
Concen: 0.625 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX029337.D
Acq: 08 Jun 2022 21:27

Tgt Ion:128 Resp: 8662
Ion Ratio Lower Upper
128 100
127 13.9 10.2 15.4
129 11.3 8.7 13.1

