

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091421\
 Data File : VX024236.D
 Acq On : 15 Sep 2021 03:17
 Operator : JC/MD
 Sample : M3724-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 31191

Quant Time: Sep 15 07:31:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 14 12:18:04 2021
 Response via : Initial Calibration

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

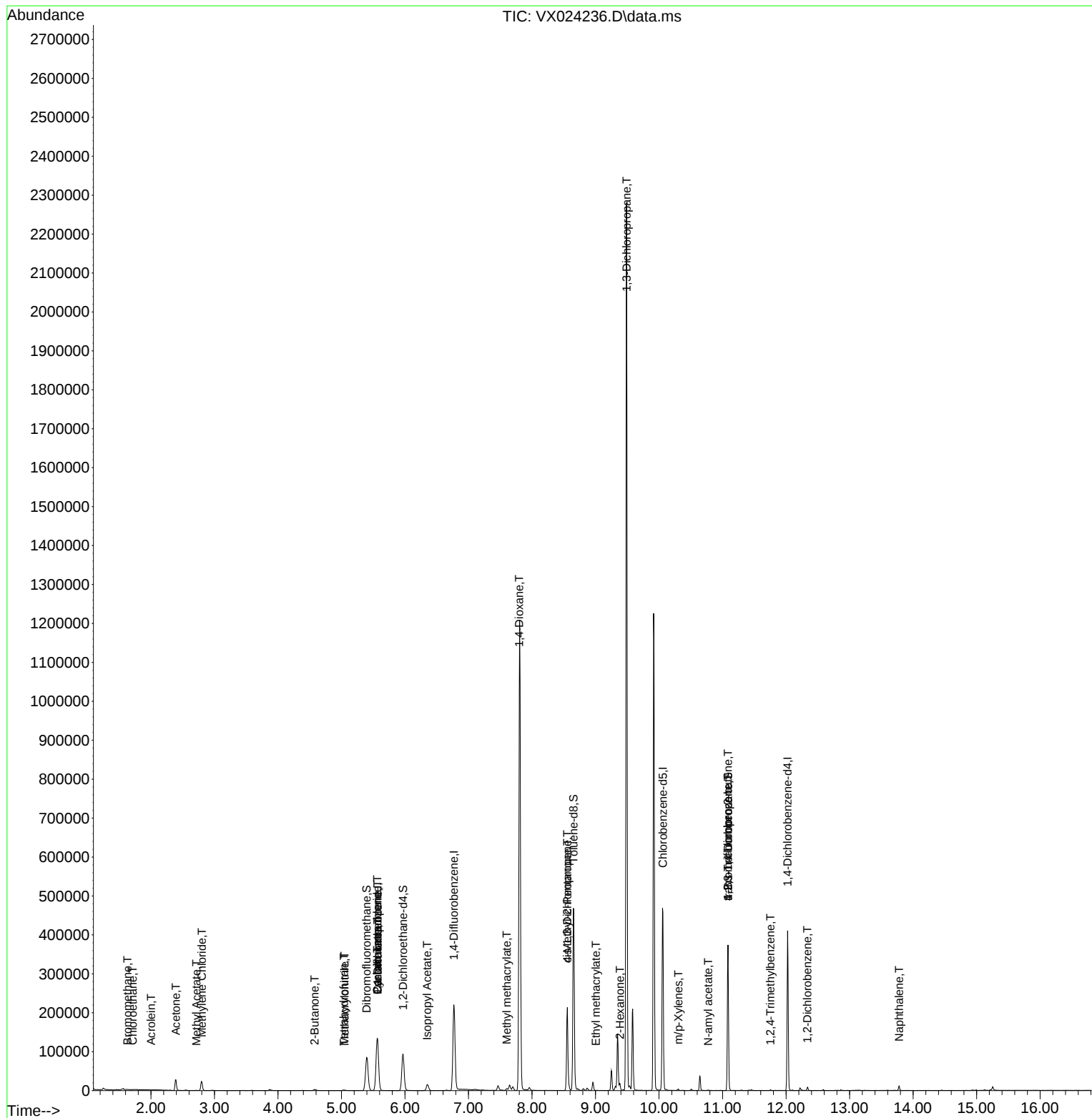
Internal Standards						
1) Pentafluorobenzene	5.568	168	125761	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	216438	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	206622	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	82047	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	95123	53.043	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 106.080%	
35) Dibromofluoromethane	5.397	113	73706	50.778	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.560%	
50) Toluene-d8	8.653	98	273002	51.628	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 103.260%	
62) 4-Bromofluorobenzene	11.085	95	92556	44.977	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 89.960%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.629	94	413	0.552	ug/l	88
6) Chloroethane	1.715	64	173	2.164	ug/l #	43
11) Tert butyl alcohol	2.983	59	1056	Below Cal	#	73
13) Acrolein	2.001	56	28	0.237	ug/l #	1
16) Acetone	2.391	43	30906	40.418	ug/l	89
18) Methyl Acetate	2.715	43	1123	0.468	ug/l #	83
20) Methylene Chloride	2.800	84	10677	7.271	ug/l #	94
25) 2-Butanone	4.574	43	5225	4.639	ug/l	95
29) Tetrahydrofuran	5.037	42	1321	1.874	ug/l #	46
31) Cyclohexane	5.568	56	2863	1.365	ug/l #	13
36) 1,1-Dichloropropene	5.568	75	10289	5.171	ug/l #	50
38) Carbon Tetrachloride	5.562	117	12981	5.796	ug/l #	16
41) Methacrylonitrile	5.050	41	898	0.726	ug/l #	21
43) Isopropyl Acetate	6.348	43	21046	5.702	ug/l	93
48) Methyl methacrylate	7.604	41	7045	3.825	ug/l #	10
49) 1,4-Dioxane	7.799	88	176	4.564	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	75970	32.300	ug/l #	45
54) cis-1,3-Dichloropropene	8.555	75	30823	12.810	ug/l #	69
56) Ethyl methacrylate	9.006	69	145	1.415	ug/l #	29
57) 1,3-Dichloropropane	9.488	76	18203	7.016	ug/l #	43
59) 2-Hexanone	9.384	43	8435	4.603	ug/l #	19
68) m/p-Xylenes	10.305	106	756	0.266	ug/l #	71
74) N-amyl acetate	10.774	43	887	0.345	ug/l #	38
76) 1,2,3-Trichloropropane	11.085	75	50540	26.789	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	50540	78.787	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.756	105	1067	0.211	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	2763	1.024	ug/l	99
95) Naphthalene	13.780	128	6894	2.433	ug/l #	95

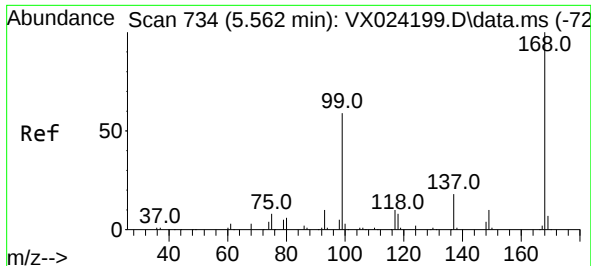
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091421W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 14 12:18:04 2021
Response via : Initial Calibration

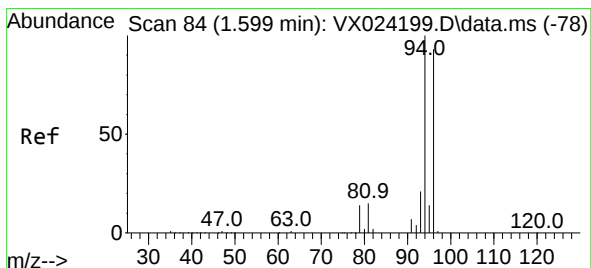
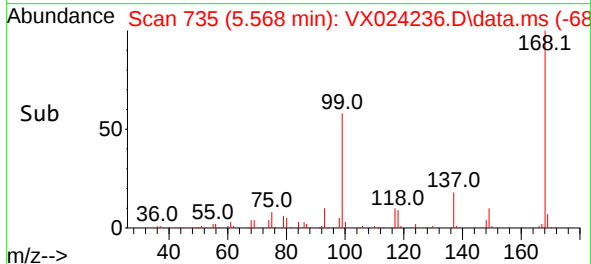
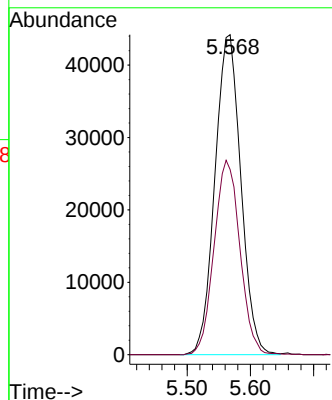
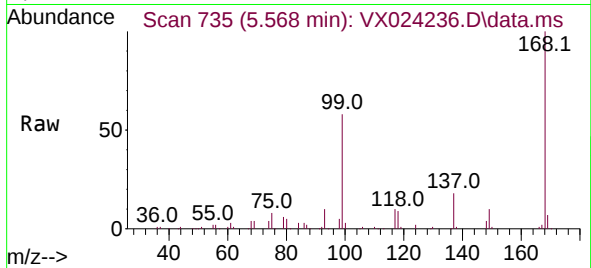




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.006 min
Lab File: VX024236.D
Acq: 15 Sep 2021 03:17

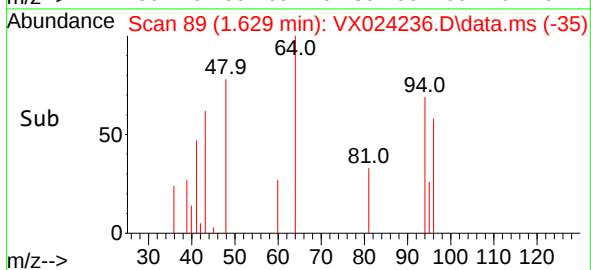
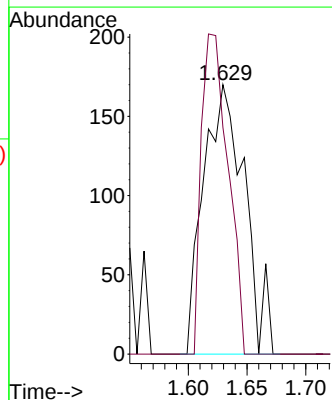
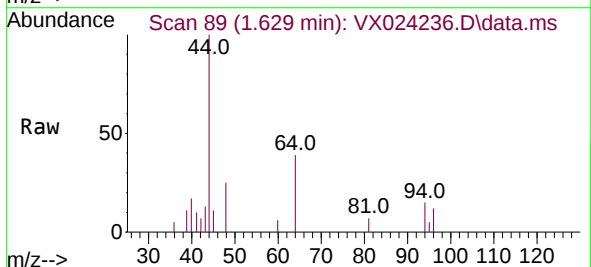
Instrument :
MSVOA_X
ClientSampled :
31191

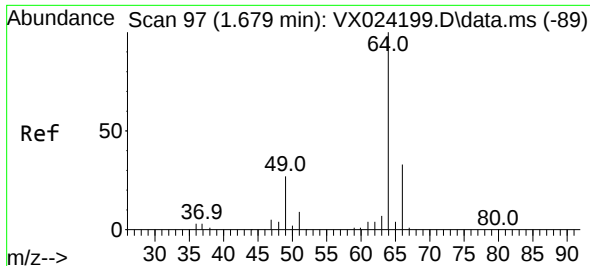
Tgt Ion:168 Resp: 125761
Ion Ratio Lower Upper
168 100
99 57.8 45.8 68.6



#5
Bromomethane
Concen: 0.552 ug/l
RT: 1.629 min Scan# 89
Delta R.T. 0.030 min
Lab File: VX024236.D
Acq: 15 Sep 2021 03:17

Tgt Ion: 94 Resp: 413
Ion Ratio Lower Upper
94 100
96 84.1 76.4 114.6

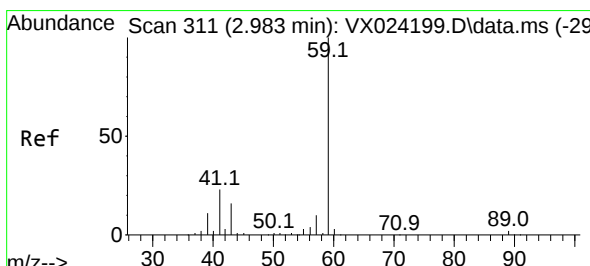
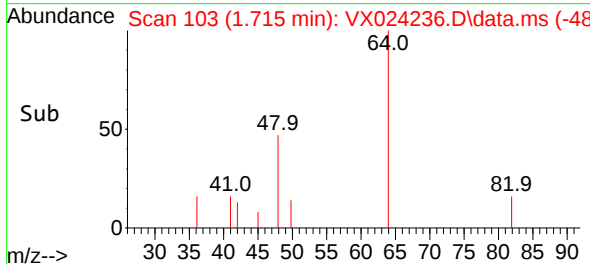
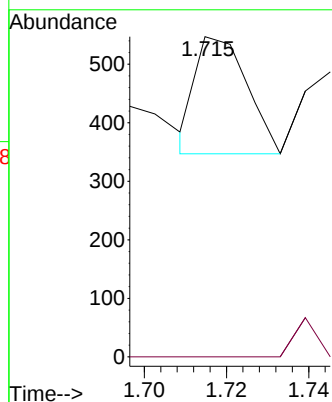
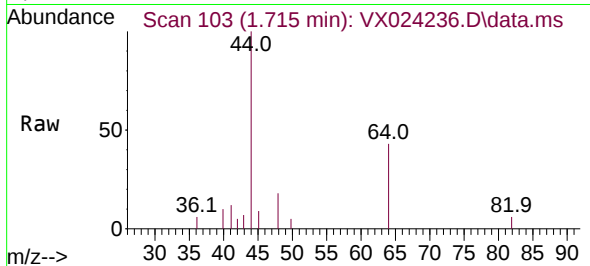




#6
Chloroethane
Concen: 2.164 ug/l
RT: 1.715 min Scan# 103
Delta R.T. 0.036 min
Lab File: VX024236.D
Acq: 15 Sep 2021 03:17

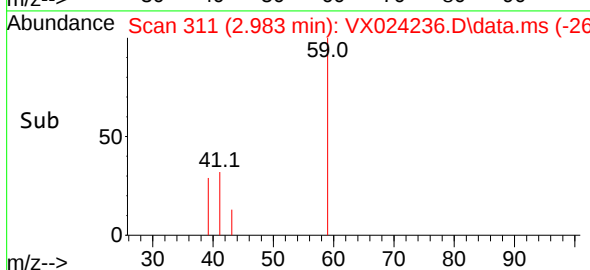
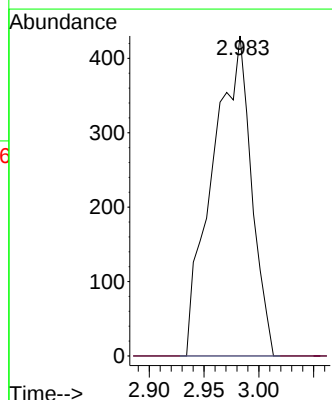
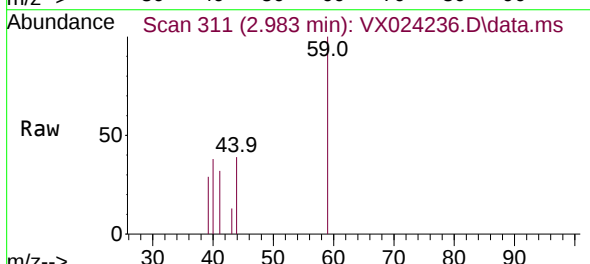
Instrument :
MSVOA_X
ClientSampled :
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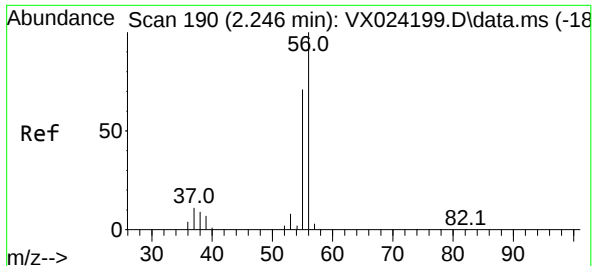
Tgt Ion: 64 Resp: 173
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.983 min Scan# 311
Delta R.T. -0.000 min
Lab File: VX024236.D
Acq: 15 Sep 2021 03:17

Tgt Ion: 59 Resp: 1056
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

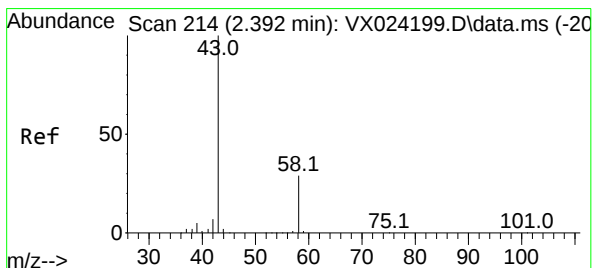
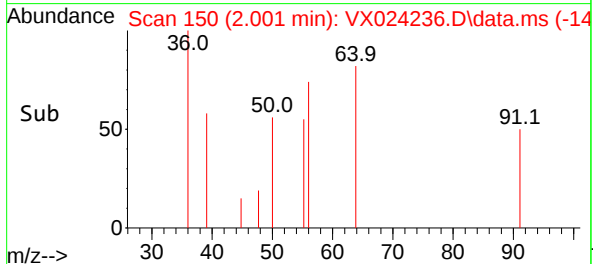
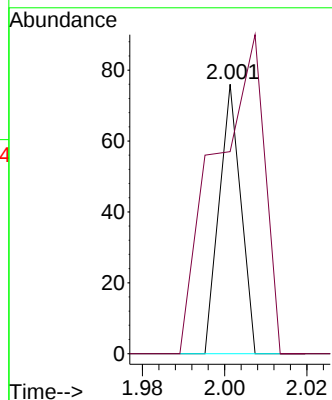
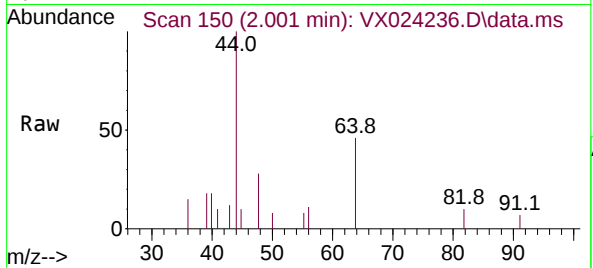




#13
Acrolein
Concen: 0.237 ug/l
RT: 2.001 min Scan# 150
Delta R.T. -0.245 min
Lab File: VX024236.D
Acq: 15 Sep 2021 03:17

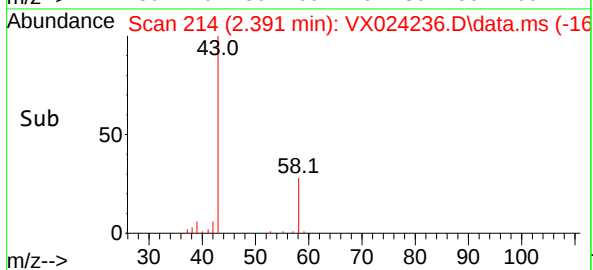
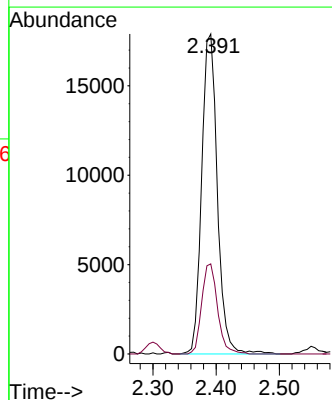
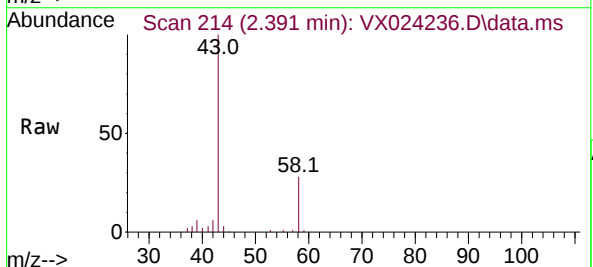
Instrument :
MSVOA_X
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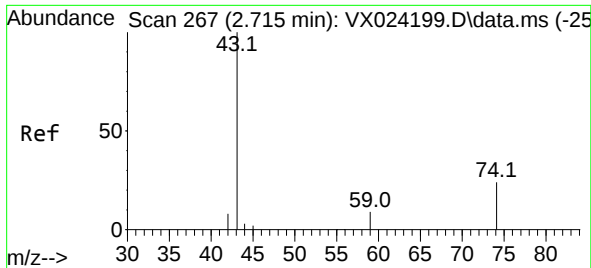
Tgt Ion: 56 Resp: 28
Ion Ratio Lower Upper
56 100
55 264.3 56.4 84.6#



#16
Acetone
Concen: 40.418 ug/l
RT: 2.391 min Scan# 214
Delta R.T. -0.001 min
Lab File: VX024236.D
Acq: 15 Sep 2021 03:17

Tgt Ion: 43 Resp: 30906
Ion Ratio Lower Upper
43 100
58 28.2 27.8 41.8

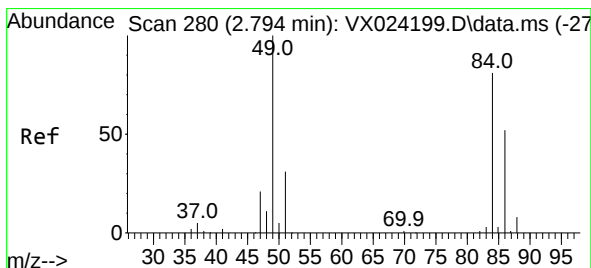
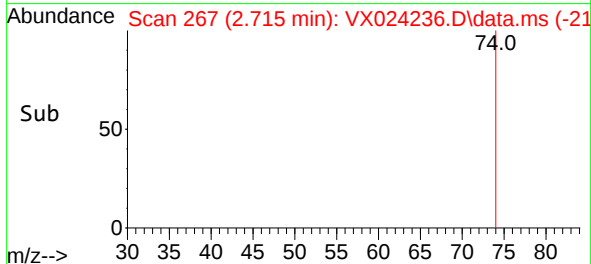
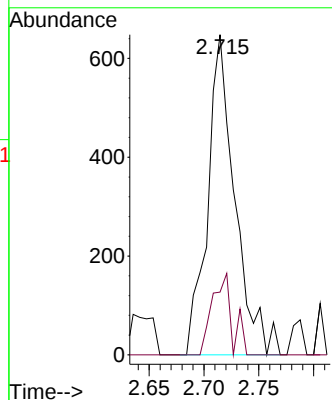
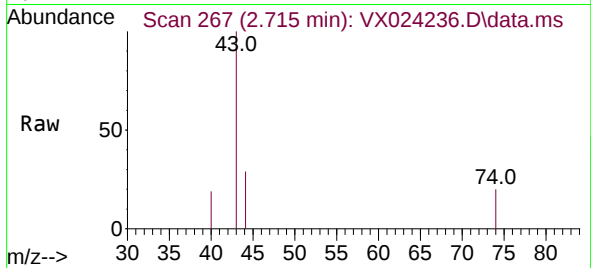




#18
Methyl Acetate
Concen: 0.468 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX024236.D
Acq: 15 Sep 2021 03:17

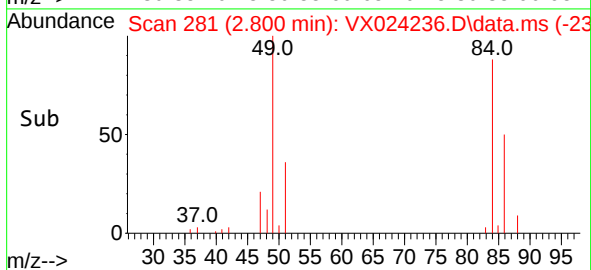
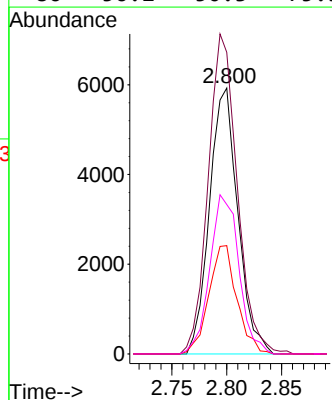
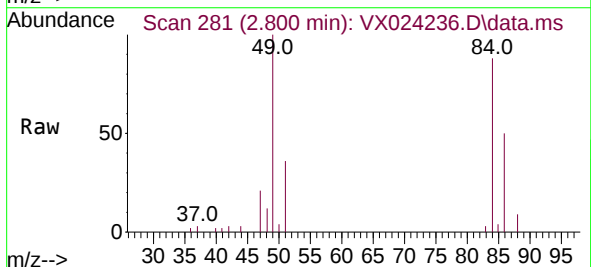
Instrument :
MSVOA_X
ClientSampled :
31191

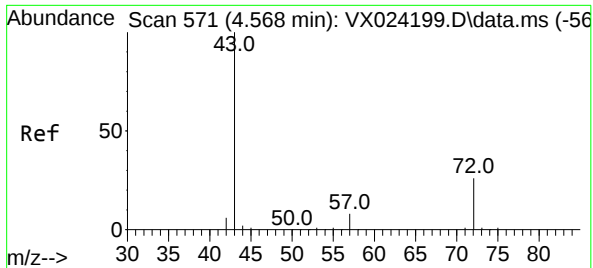
Tgt Ion: 43 Resp: 1123
Ion Ratio Lower Upper
43 100
74 18.4 21.9 32.9#



#20
Methylene Chloride
Concen: 7.271 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX024236.D
Acq: 15 Sep 2021 03:17

Tgt Ion: 84 Resp: 10677
Ion Ratio Lower Upper
84 100
49 113.4 88.6 132.8
51 40.7 27.0 40.6#
86 56.2 50.3 75.5

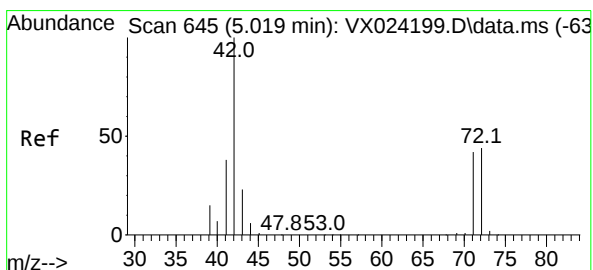
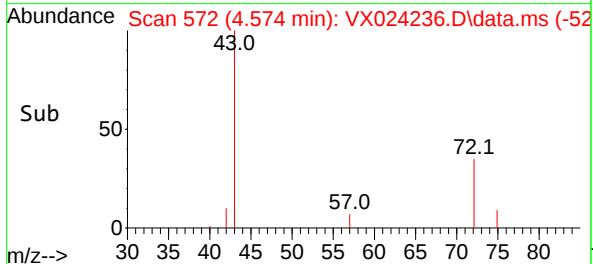
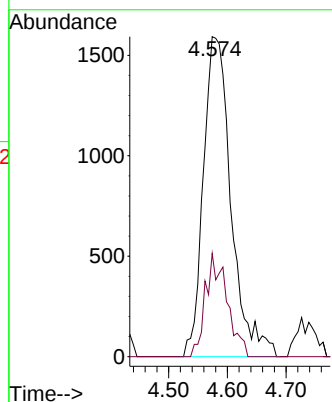
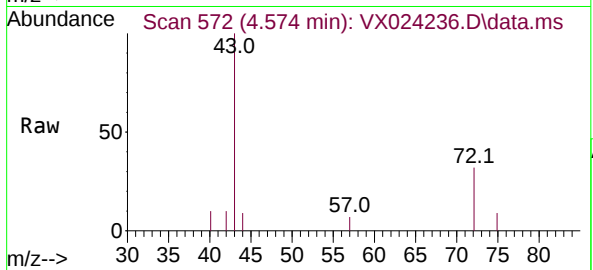




#25
2-Butanone
Concen: 4.639 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX024236.D
Acq: 15 Sep 2021 03:17

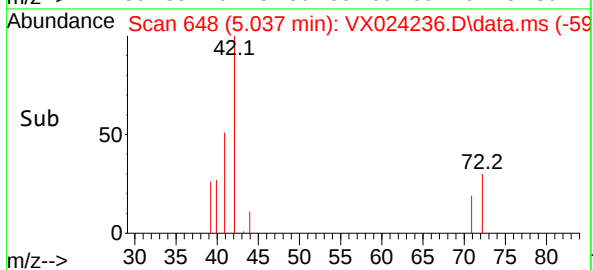
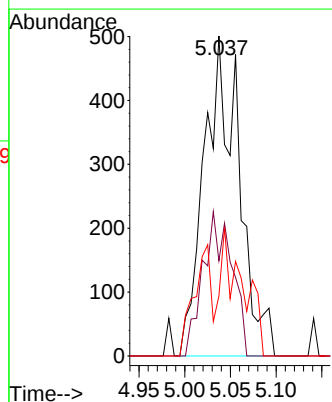
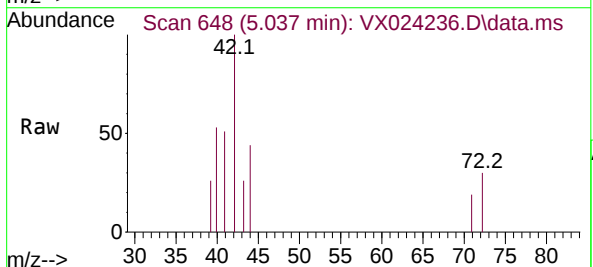
Instrument :
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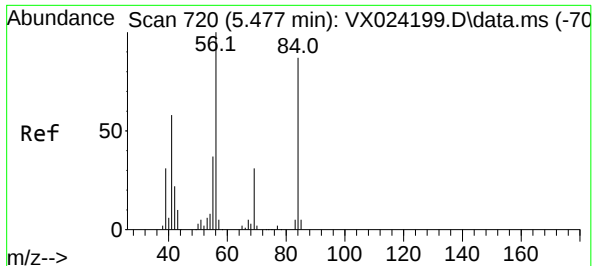
Tgt Ion: 43 Resp: 5225
Ion Ratio Lower Upper
43 100
72 32.3 23.7 35.5



#29
Tetrahydrofuran
Concen: 1.874 ug/l
RT: 5.037 min Scan# 648
Delta R.T. 0.018 min
Lab File: VX024236.D
Acq: 15 Sep 2021 03:17

Tgt Ion: 42 Resp: 1321
Ion Ratio Lower Upper
42 100
72 0.0 41.7 62.5#
71 26.1 38.4 57.6#

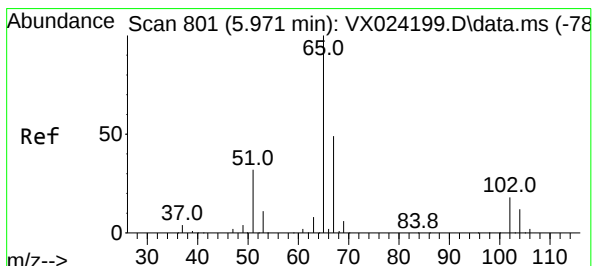
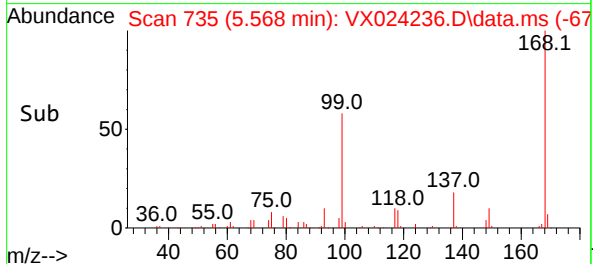
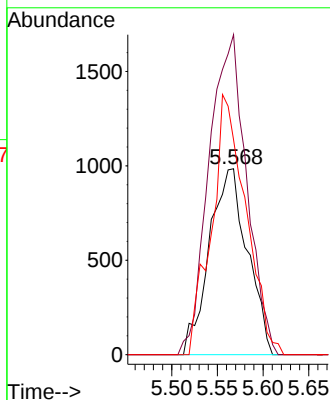
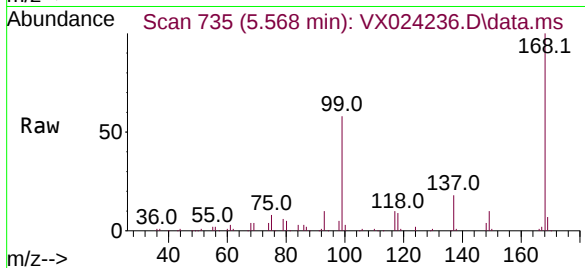




#31
Cyclohexane
Concen: 1.365 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.091 min
Lab File: VX024236.D
Acq: 15 Sep 2021 03:17

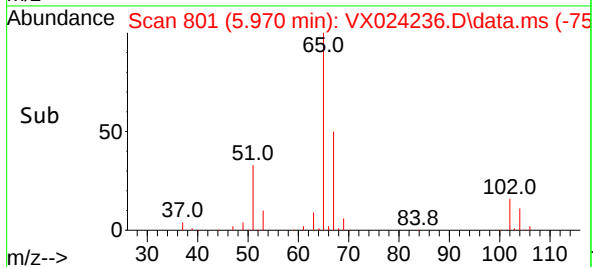
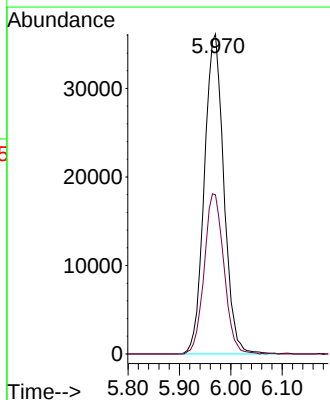
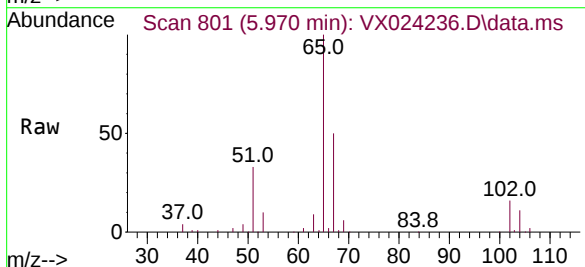
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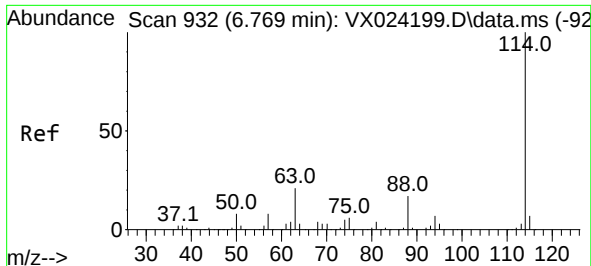
Tgt Ion: 56 Resp: 2863
Ion Ratio Lower Upper
56 100
69 172.1 25.3 37.9#
84 115.5 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 53.043 ug/l
RT: 5.970 min Scan# 801
Delta R.T. -0.001 min
Lab File: VX024236.D
Acq: 15 Sep 2021 03:17

Tgt Ion: 65 Resp: 95123
Ion Ratio Lower Upper
65 100
67 50.8 0.0 105.4

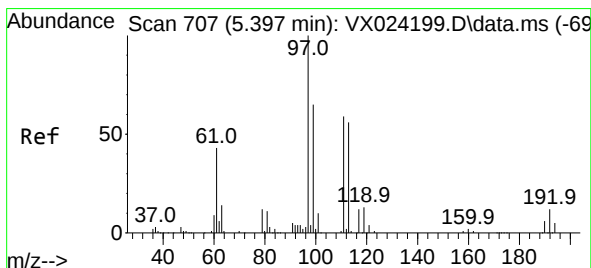
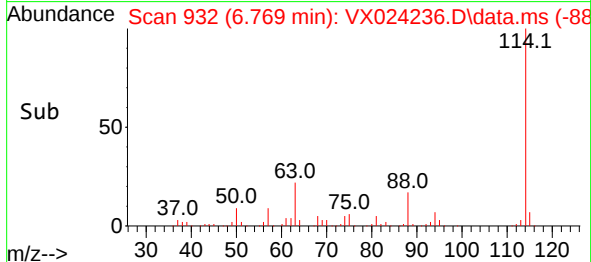
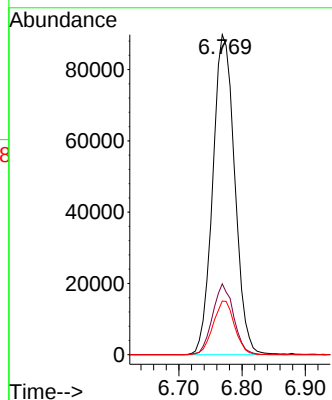
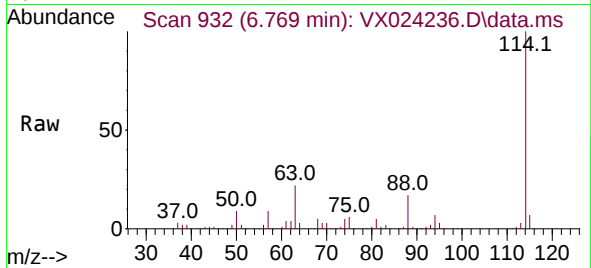




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX024236.D
Acq: 15 Sep 2021 03:17

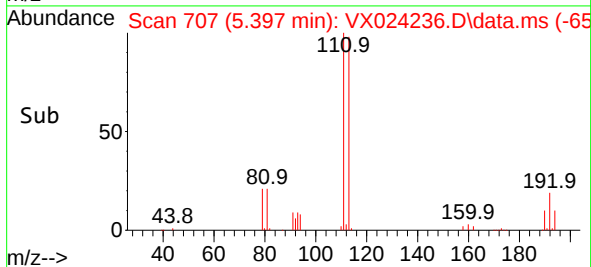
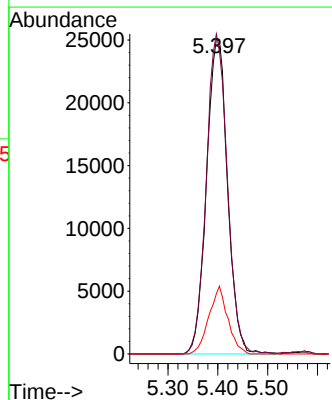
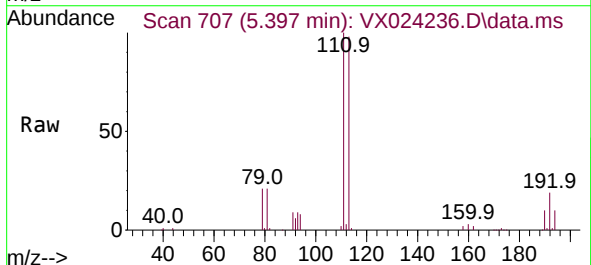
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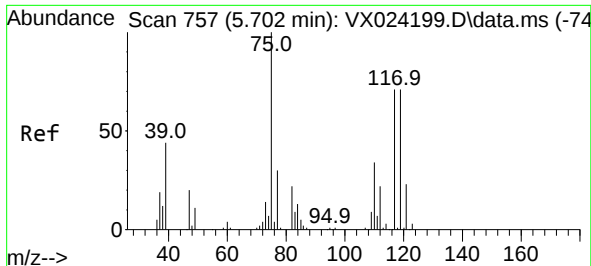
Tgt Ion:114 Resp: 216438
Ion Ratio Lower Upper
114 100
63 22.2 0.0 40.8
88 16.7 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.778 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024236.D
Acq: 15 Sep 2021 03:17

Tgt Ion:113 Resp: 73706
Ion Ratio Lower Upper
113 100
111 101.4 81.9 122.9
192 19.3 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.171 ug/l

RT: 5.568 min Scan# 735

Delta R.T. -0.134 min

Lab File: VX024236.D

Acq: 15 Sep 2021 03:17

Tgt Ion: 75 Resp: 10289

Ion Ratio Lower Upper

75 100

110 10.2 18.1 54.4#

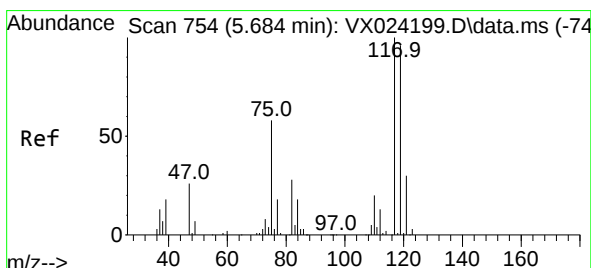
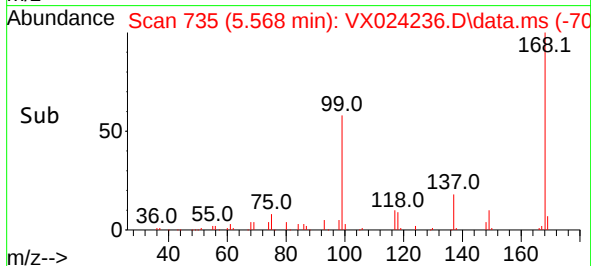
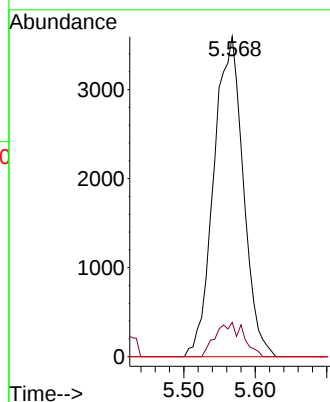
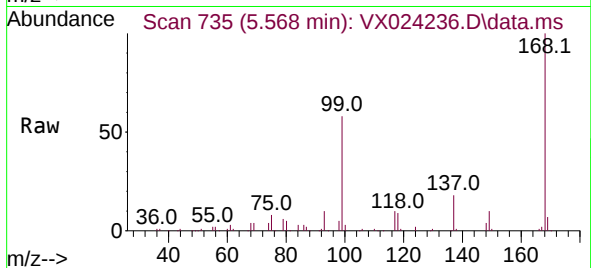
77 0.0 25.3 37.9#

Instrument :

MSVOA_X

ClientSampled :

31191



#38

Carbon Tetrachloride

Concen: 5.796 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.122 min

Lab File: VX024236.D

Acq: 15 Sep 2021 03:17

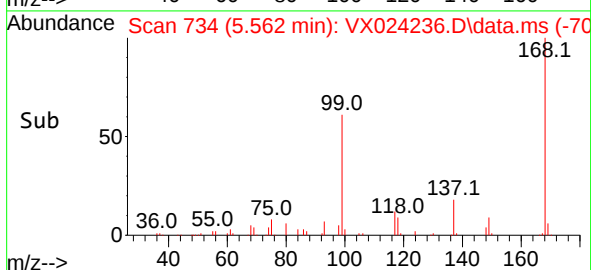
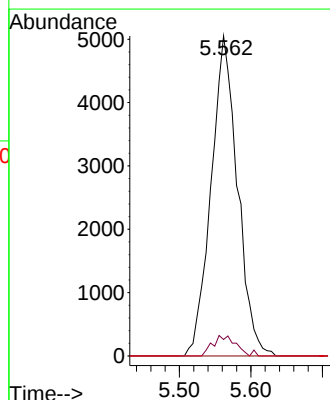
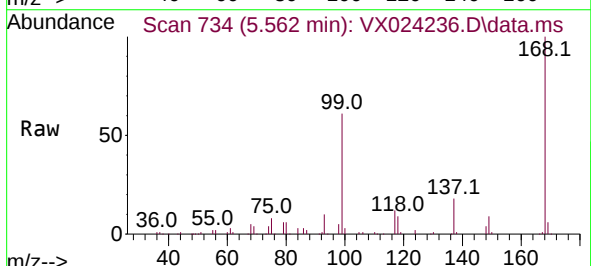
Tgt Ion: 117 Resp: 12981

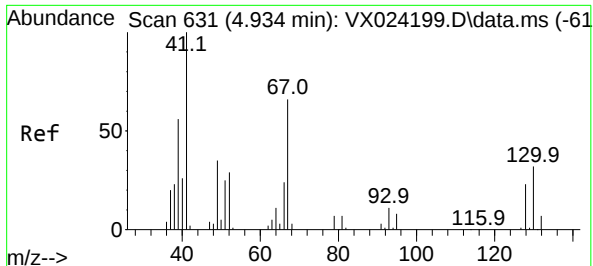
Ion Ratio Lower Upper

117 100

119 5.1 76.2 114.2#

121 0.0 24.8 37.2#

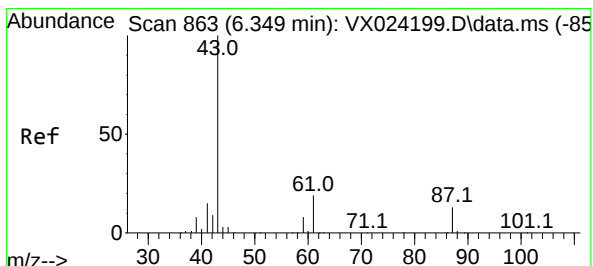
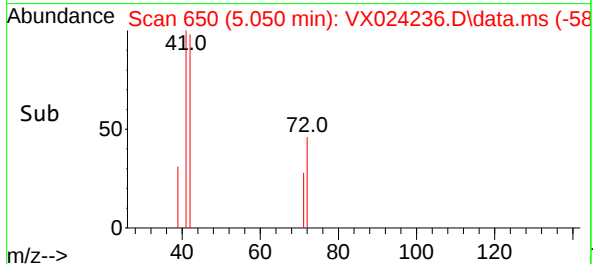
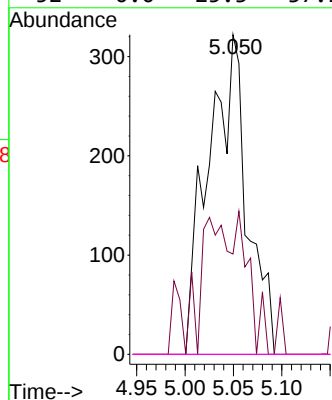
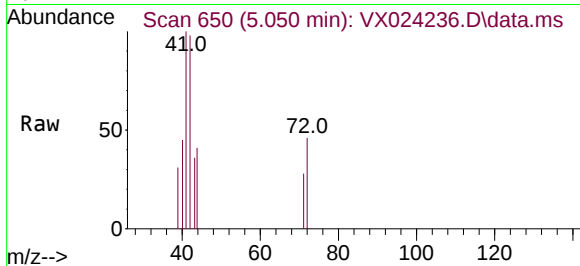




#41
Methacrylonitrile
Concen: 0.726 ug/l
RT: 5.050 min Scan# 650
Delta R.T. 0.116 min
Lab File: VX024236.D
Acq: 15 Sep 2021 03:17

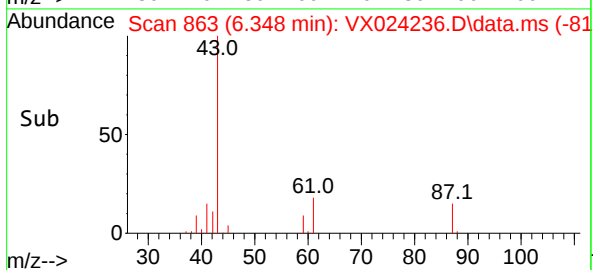
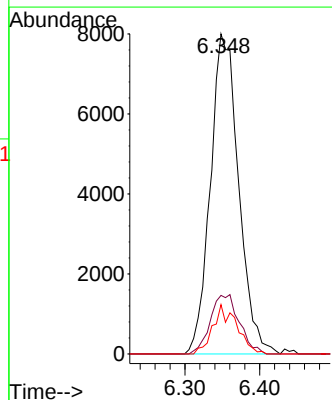
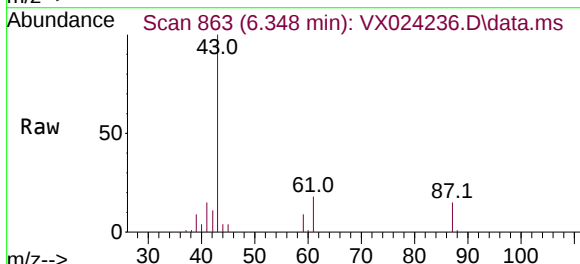
Instrument :
MSVOA_X
ClientSampled :
31191

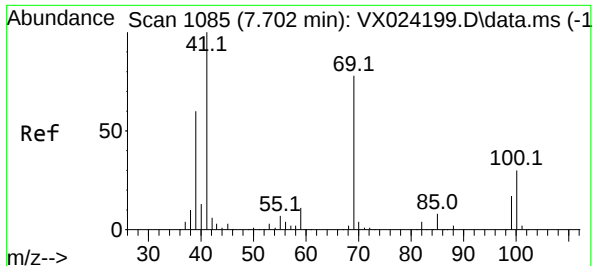
Tgt Ion:	41	Resp:	898
Ion	Ratio	Lower	Upper
41	100		
39	0.0	42.5	63.7#
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#



#43
Isopropyl Acetate
Concen: 5.702 ug/l
RT: 6.348 min Scan# 863
Delta R.T. -0.001 min
Lab File: VX024236.D
Acq: 15 Sep 2021 03:17

Tgt Ion:	43	Resp:	21046
Ion	Ratio	Lower	Upper
43	100		
61	19.0	18.2	27.4
87	13.1	12.5	18.7

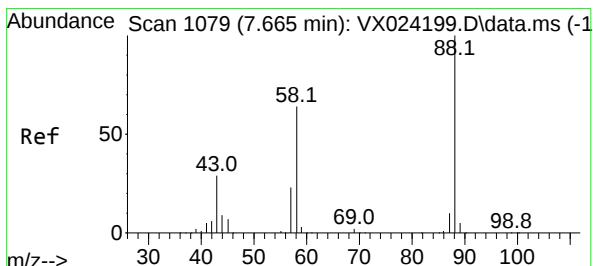
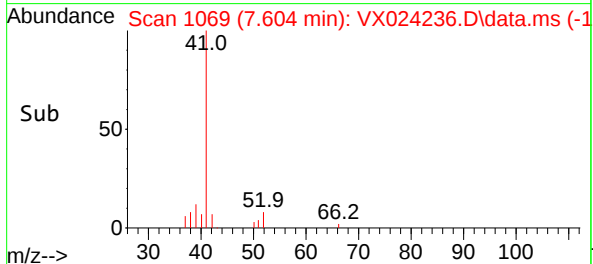
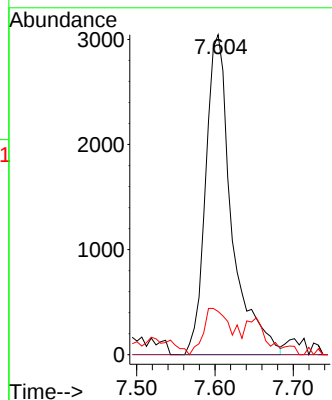
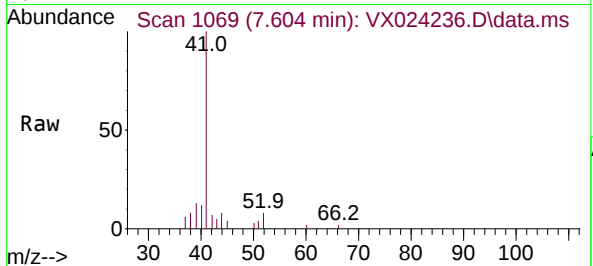




#48
Methyl methacrylate
Concen: 3.825 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.098 min
Lab File: VX024236.D
Acq: 15 Sep 2021 03:17

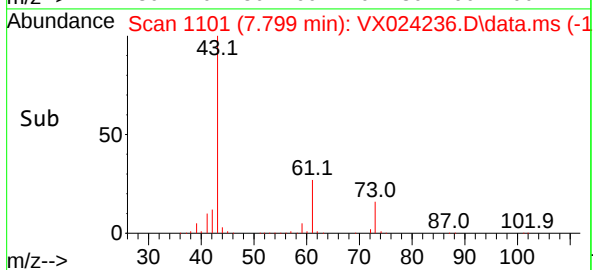
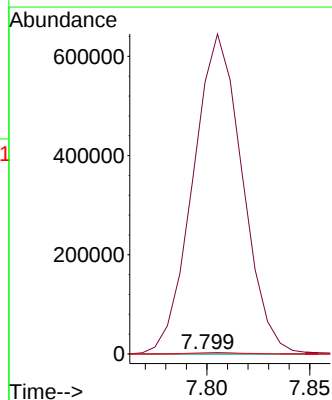
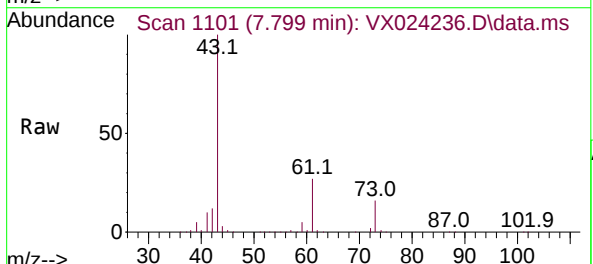
Instrument :
MSVOA_X
ClientSampled :
31191

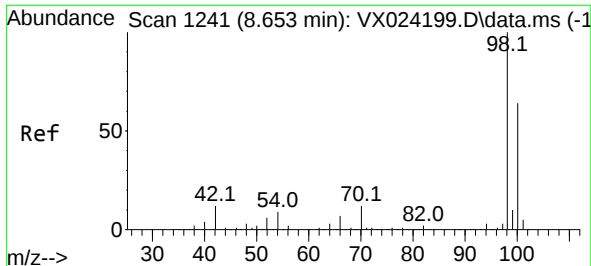
Tgt Ion: 41 Resp: 7045
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 4.564 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.134 min
Lab File: VX024236.D
Acq: 15 Sep 2021 03:17

Tgt Ion: 88 Resp: 176
Ion Ratio Lower Upper
88 100
43 615509.1 23.2 34.8#
58 2743.8 55.0 82.4#

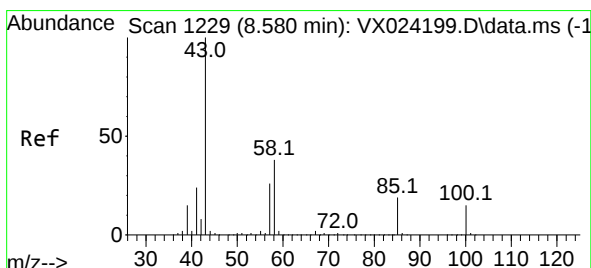
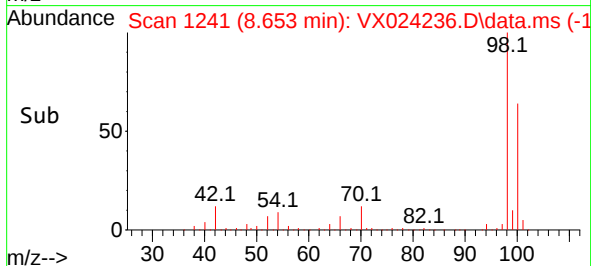
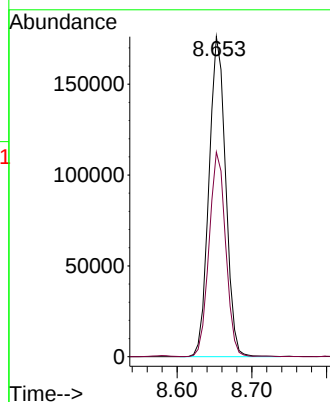
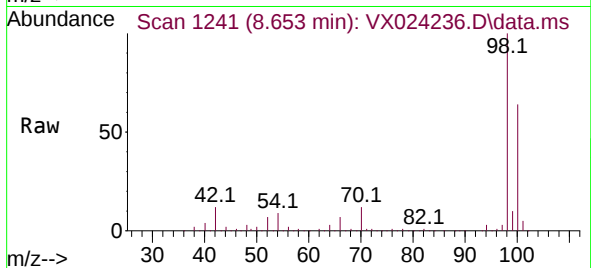




#50
Toluene-d8
Concen: 51.628 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024236.D
Acq: 15 Sep 2021 03:17

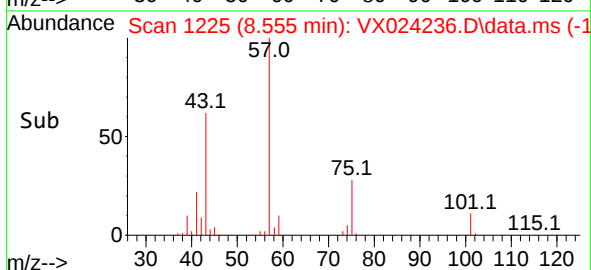
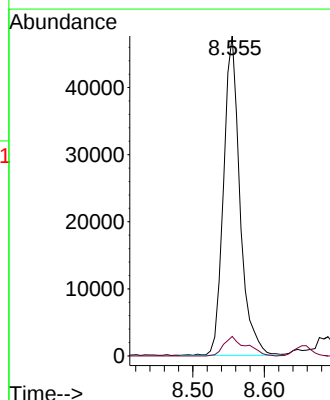
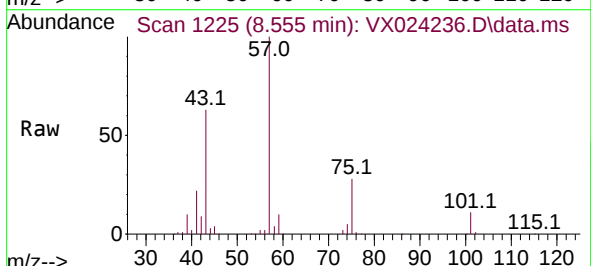
Instrument :
MSVOA_X
ClientSampled :
31191

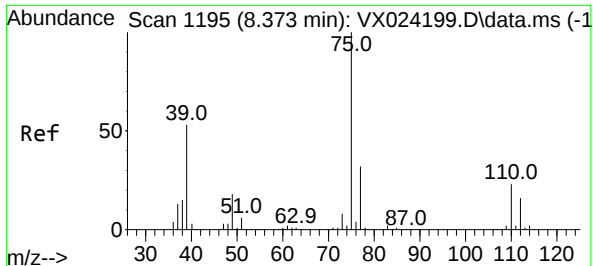
Tgt Ion: 98 Resp: 273002
Ion Ratio Lower Upper
98 100
100 63.4 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 32.300 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX024236.D
Acq: 15 Sep 2021 03:17

Tgt Ion: 43 Resp: 75970
Ion Ratio Lower Upper
43 100
58 8.3 35.4 53.0#

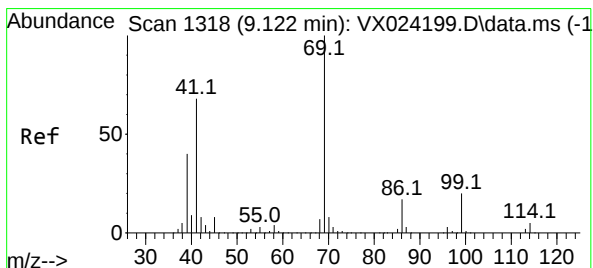
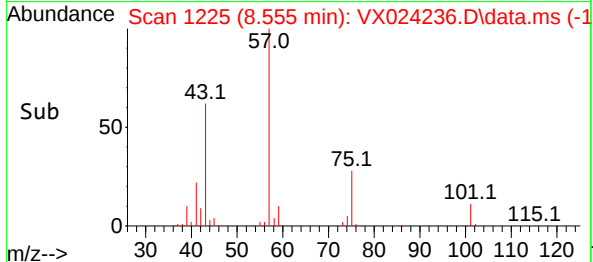
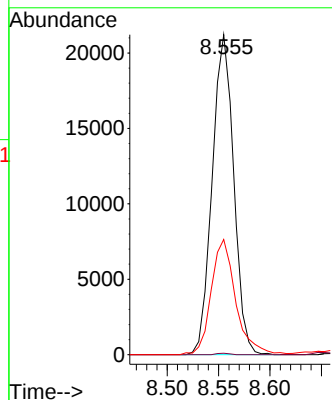
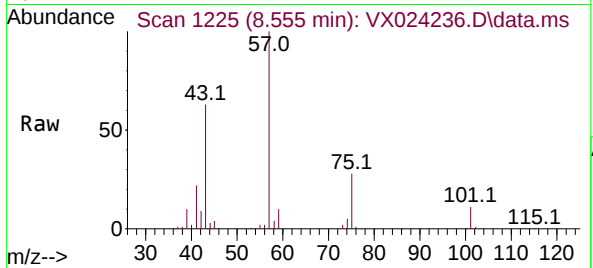




#54
 cis-1,3-Dichloropropene
 Concen: 12.810 ug/l
 RT: 8.555 min Scan# 1225
 Delta R.T. 0.182 min
 Lab File: VX024236.D
 Acq: 15 Sep 2021 03:17

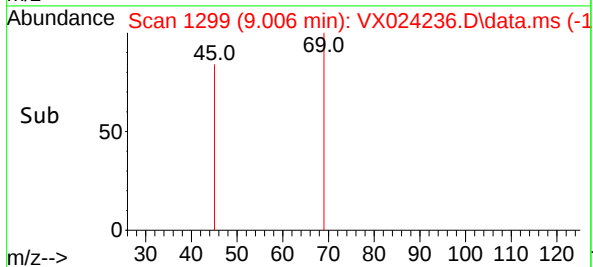
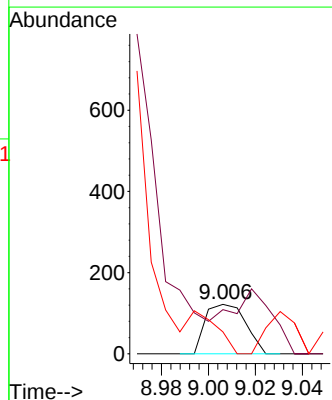
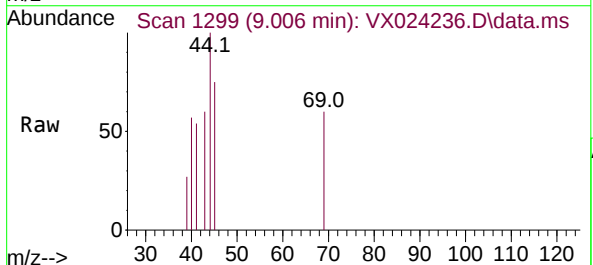
Instrument :
 MSVOA_X
 ClientSampled :
 31191

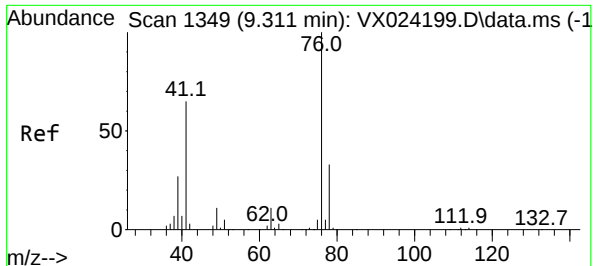
Tgt Ion: 75 Resp: 30823
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.7 38.5#
 39 36.0 35.1 52.7



#56
 Ethyl methacrylate
 Concen: 1.415 ug/l
 RT: 9.006 min Scan# 1299
 Delta R.T. -0.116 min
 Lab File: VX024236.D
 Acq: 15 Sep 2021 03:17

Tgt Ion: 69 Resp: 145
 Ion Ratio Lower Upper
 69 100
 41 0.0 46.8 70.2#
 39 0.0 24.7 37.1#



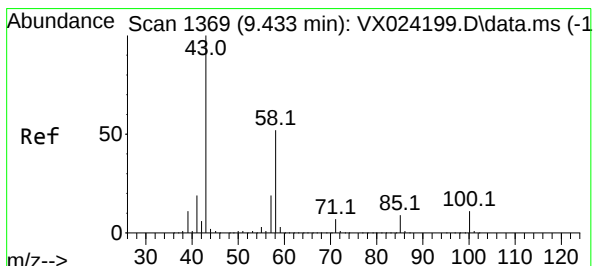
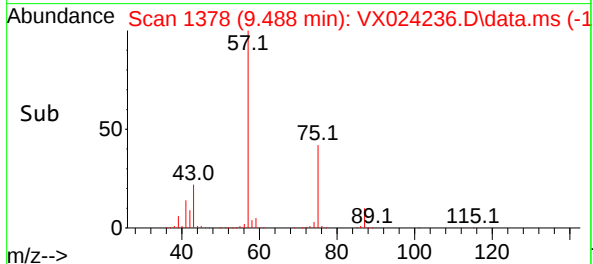
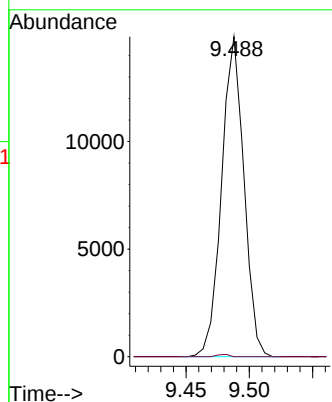
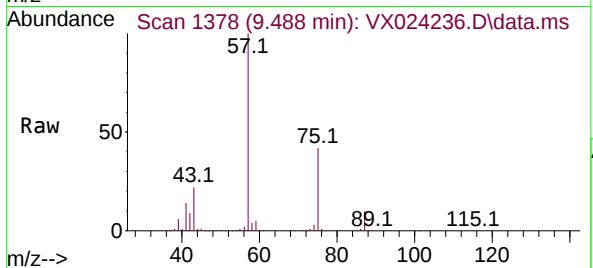


#57

1,3-Dichloropropane
Concen: 7.016 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX024236.D
Acq: 15 Sep 2021 03:17

Instrument :
MSVOA_X
ClientSampled :
31191

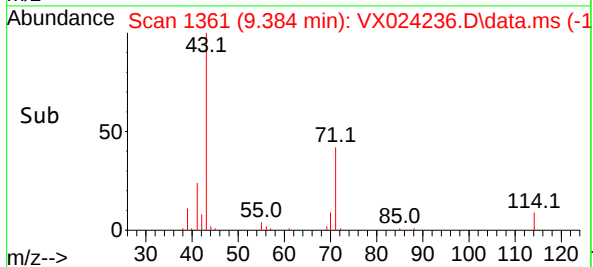
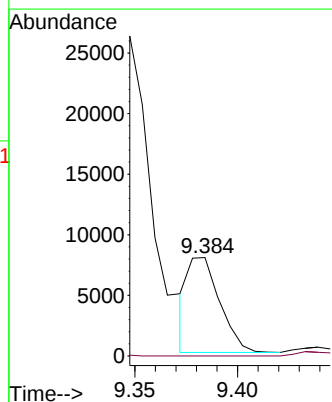
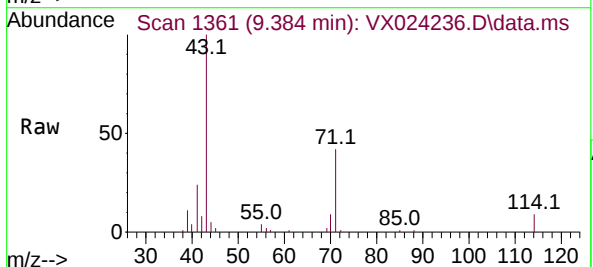
Tgt Ion: 76 Resp: 18203
Ion Ratio Lower Upper
76 100
78 0.4 26.2 39.2#

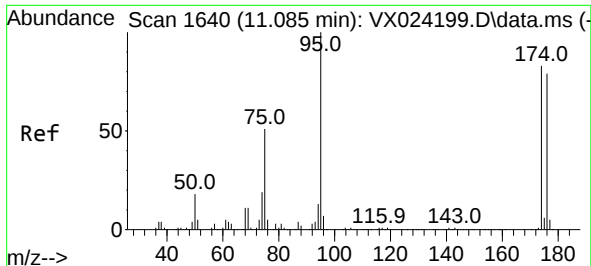


#59

2-Hexanone
Concen: 4.603 ug/l
RT: 9.384 min Scan# 1361
Delta R.T. -0.049 min
Lab File: VX024236.D
Acq: 15 Sep 2021 03:17

Tgt Ion: 43 Resp: 8435
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#

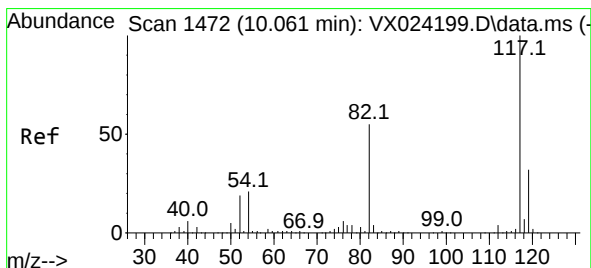
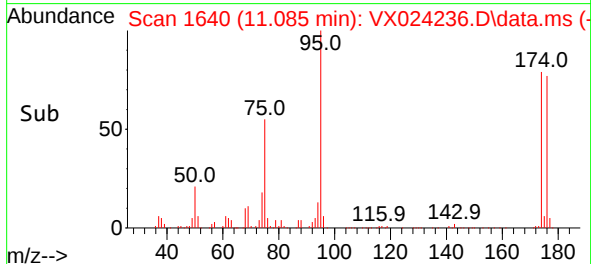
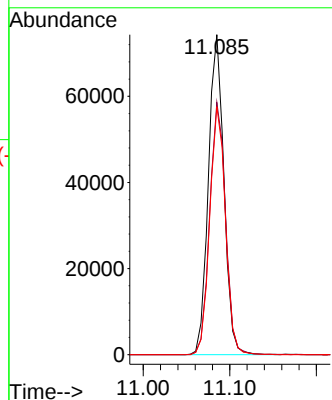
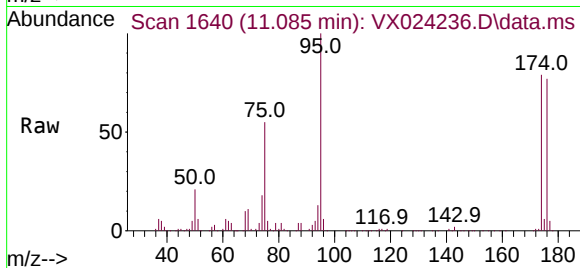




#62
4-Bromofluorobenzene
Concen: 44.977 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024236.D
Acq: 15 Sep 2021 03:17

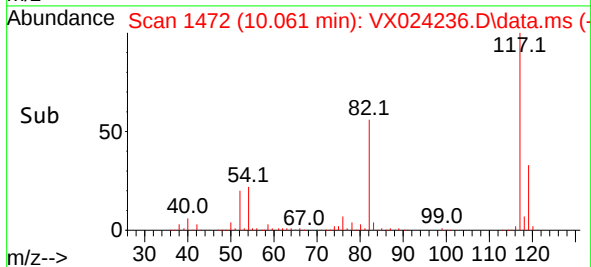
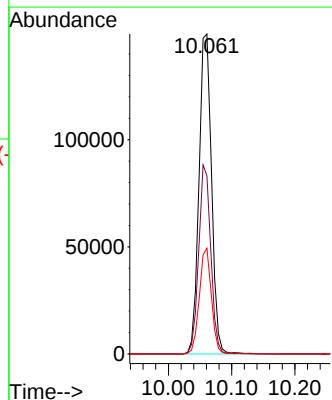
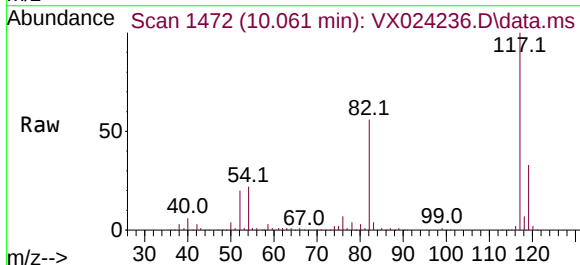
Instrument :
MSVOA_X
ClientSampled :
31191

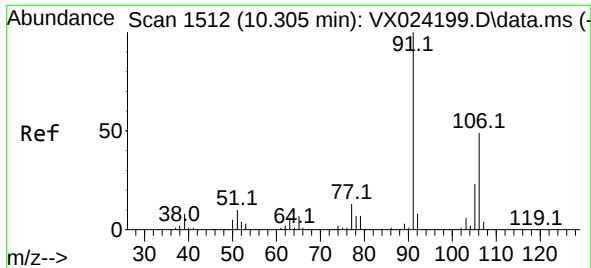
Tgt Ion: 95 Resp: 92556
Ion Ratio Lower Upper
95 100
174 80.6 0.0 154.6
176 78.3 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX024236.D
Acq: 15 Sep 2021 03:17

Tgt Ion: 117 Resp: 206622
Ion Ratio Lower Upper
117 100
82 55.7 47.4 71.2
119 33.1 26.6 39.8

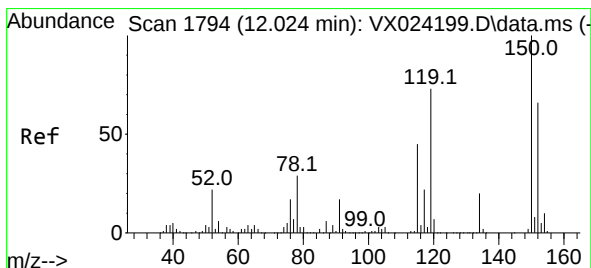
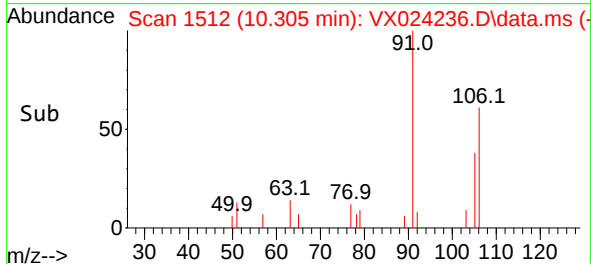
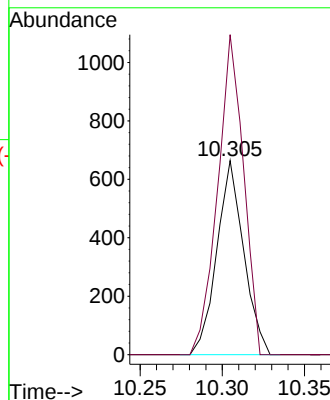
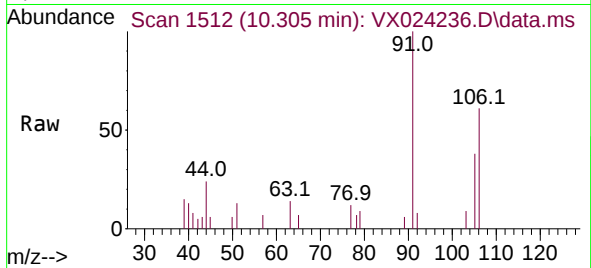




#68
m/p-Xylenes
Concen: 0.266 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX024236.D
Acq: 15 Sep 2021 03:17

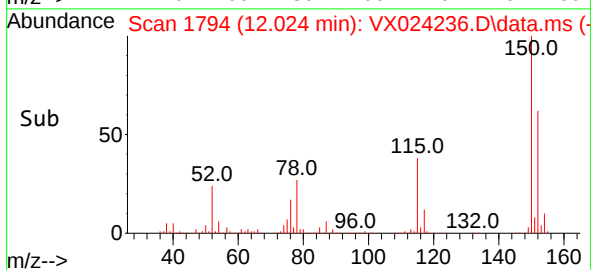
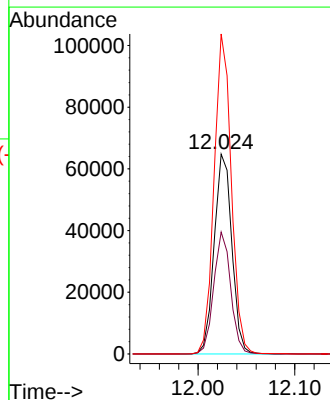
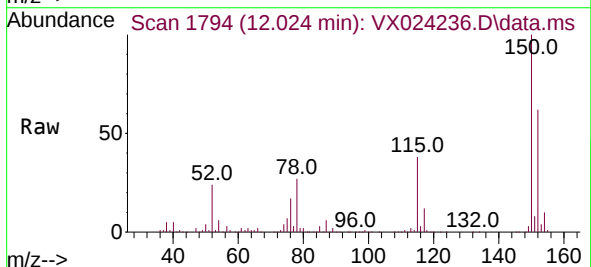
Instrument :
MSVOA_X
ClientSampled :
31191

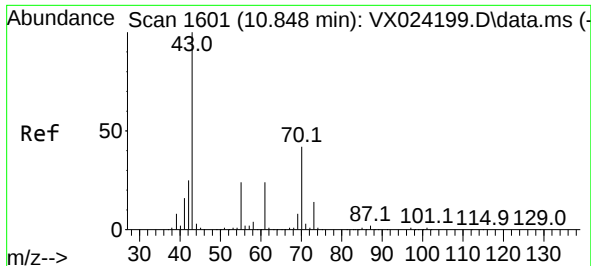
Tgt Ion:106 Resp: 756
Ion Ratio Lower Upper
106 100
91 158.7 162.8 244.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX024236.D
Acq: 15 Sep 2021 03:17

Tgt Ion:152 Resp: 82047
Ion Ratio Lower Upper
152 100
115 58.8 41.1 123.3
150 156.0 0.0 349.0

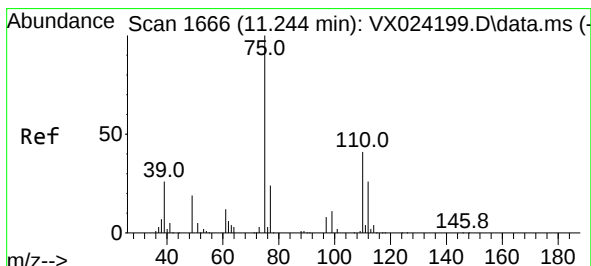
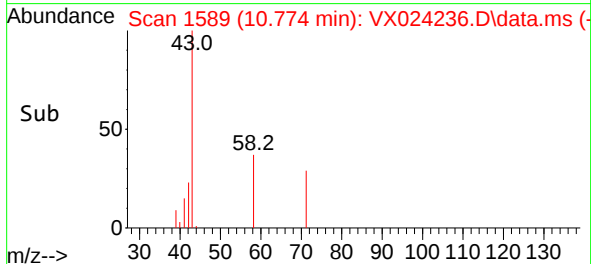
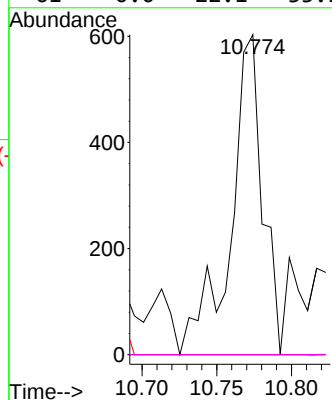
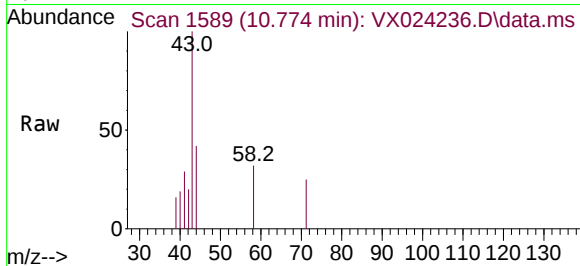




#74
N-amy1 acetate
Concen: 0.345 ug/l
RT: 10.774 min Scan# 1589
Delta R.T. -0.074 min
Lab File: VX024236.D
Acq: 15 Sep 2021 03:17

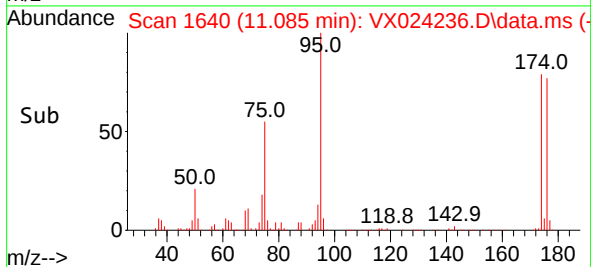
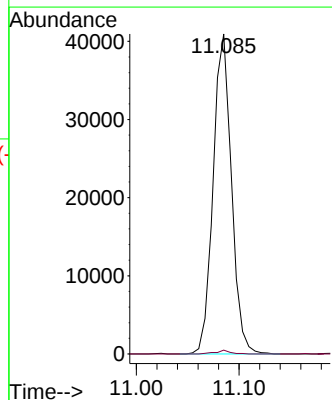
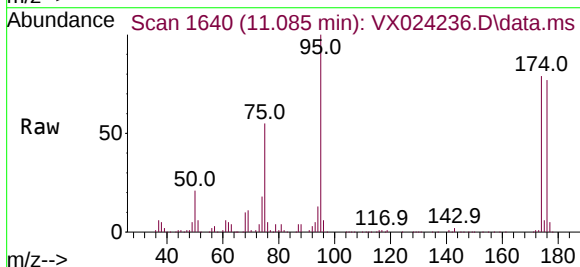
Instrument :
MSVOA_X
ClientSampleId :
31191

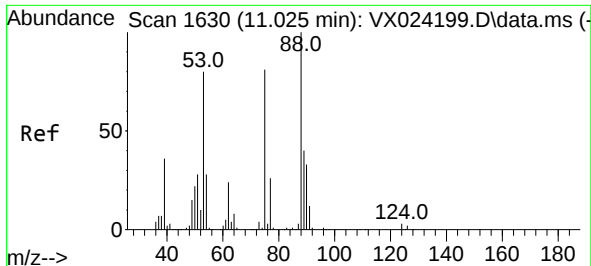
Tgt Ion: 43	Resp: 887
Ion Ratio	Lower Upper
43 100	
70 0.0	39.0 58.6#
55 0.0	21.5 32.3#
61 0.0	22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 26.789 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024236.D
Acq: 15 Sep 2021 03:17

Tgt Ion: 75	Resp: 50540
Ion Ratio	Lower Upper
75 100	
77 0.9	19.1 57.5#

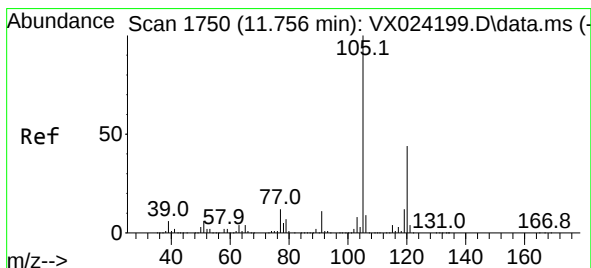
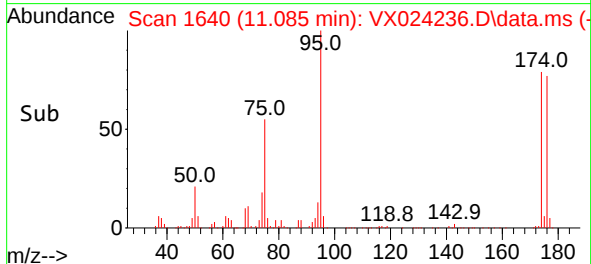
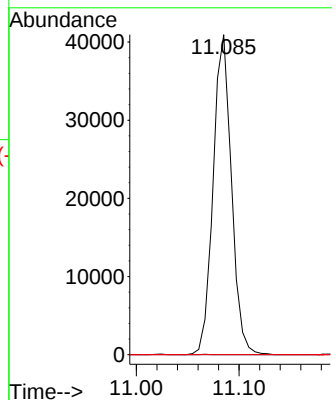
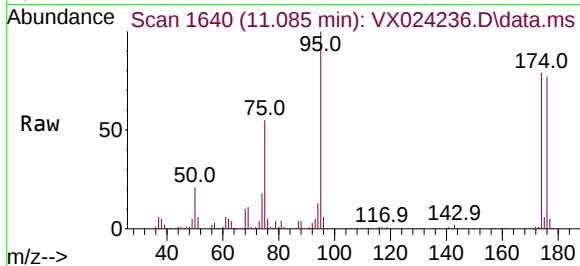




#81
trans-1,4-Dichloro-2-butene
Concen: 78.787 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX024236.D
Acq: 15 Sep 2021 03:17

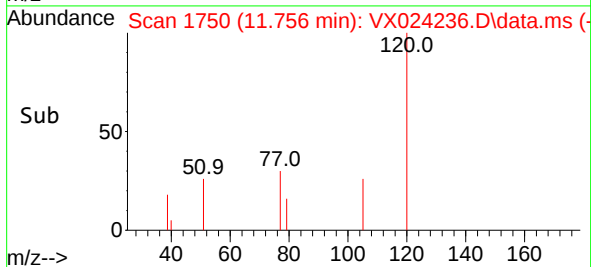
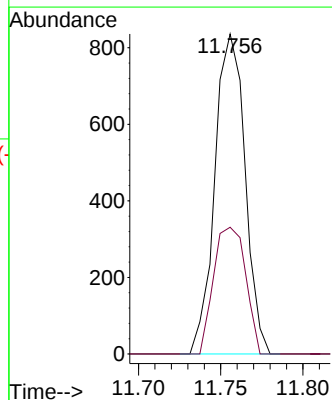
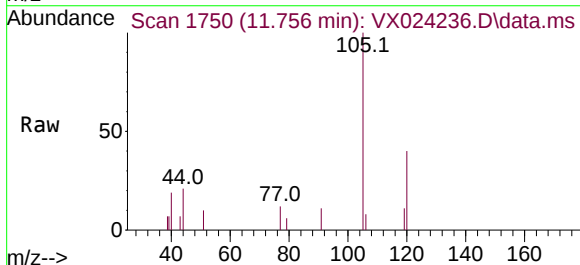
Instrument :
MSVOA_X
ClientSampled :
31191

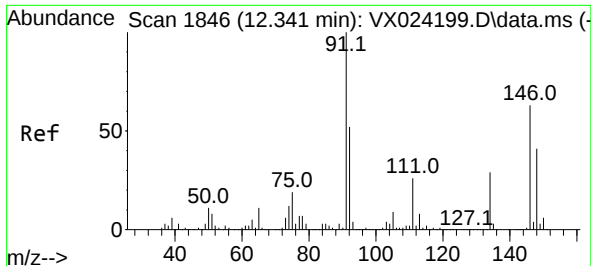
Tgt Ion: 75 Resp: 50540
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#84
1,2,4-Trimethylbenzene
Concen: 0.211 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX024236.D
Acq: 15 Sep 2021 03:17

Tgt Ion: 105 Resp: 1067
Ion Ratio Lower Upper
105 100
120 42.0 22.4 67.3

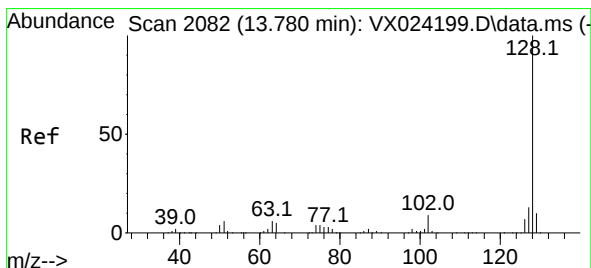
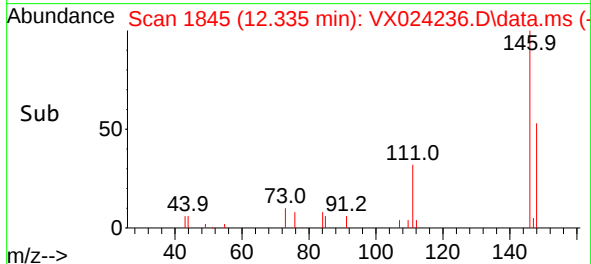
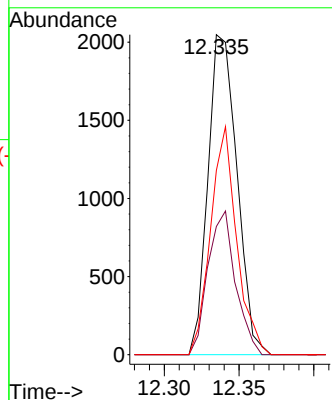
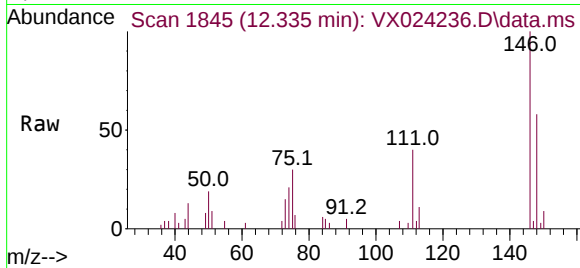




#91
1,2-Dichlorobenzene
Concen: 1.024 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.006 min
Lab File: VX024236.D
Acq: 15 Sep 2021 03:17

Instrument :
MSVOA_X
ClientSampled :
31191

Tgt Ion:146 Resp: 2763
Ion Ratio Lower Upper
146 100
111 42.6 20.8 62.2
148 64.2 31.9 95.5



#95
Naphthalene
Concen: 2.433 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX024236.D
Acq: 15 Sep 2021 03:17

Tgt Ion:128 Resp: 6894
Ion Ratio Lower Upper
128 100
127 16.0 10.3 15.5#
129 11.3 8.8 13.2

