

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083023\
 Data File : VX037388.D
 Acq On : 30 Aug 2023 14:53
 Operator : JC/MD
 Sample : 04229-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 31 02:23:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

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

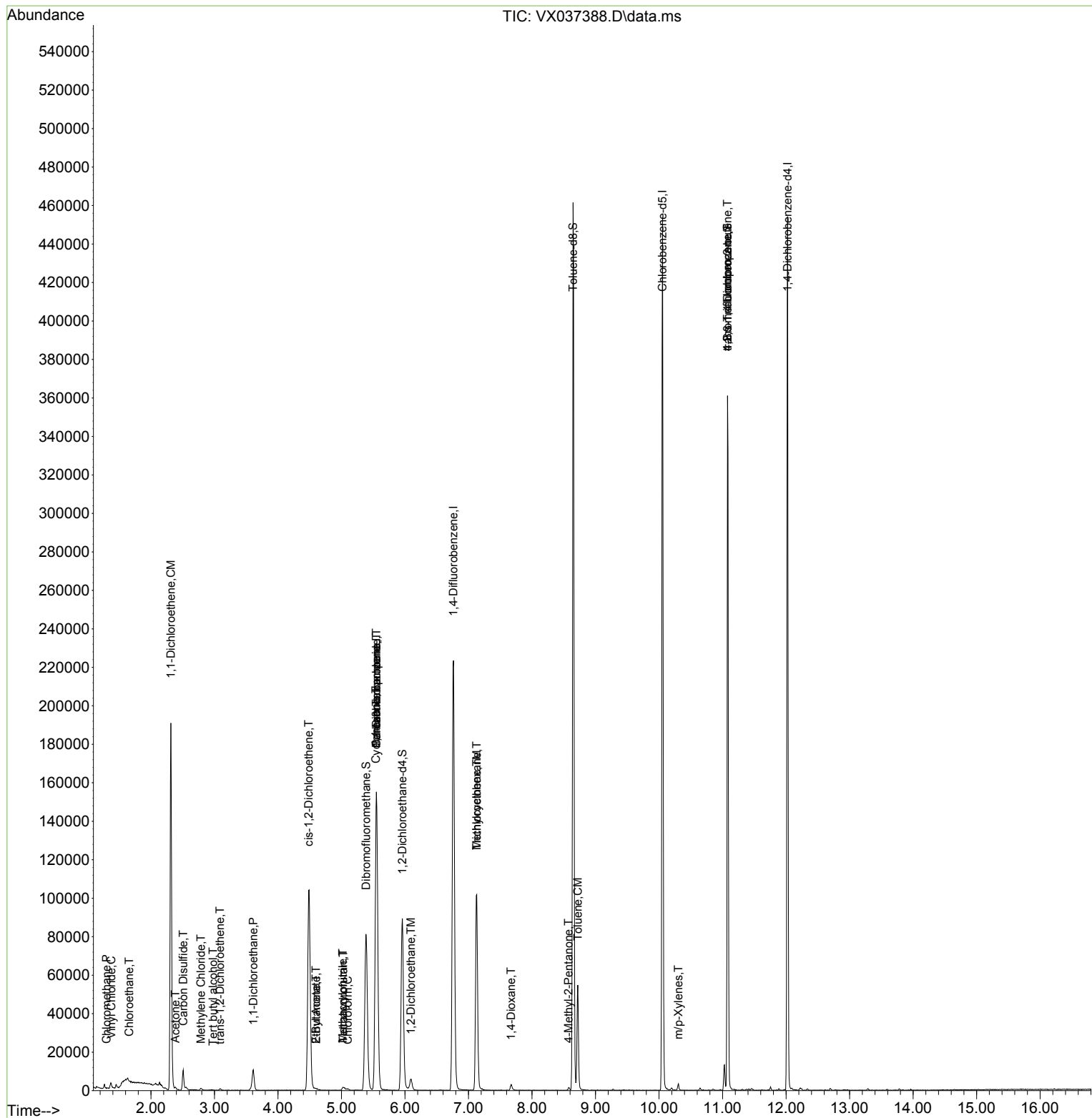
Internal Standards						
1) Pentafluorobenzene	5.550	168	145795	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	238407	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	209631	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94547	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	89157	42.417	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	84.840%		
35) Dibromofluoromethane	5.385	113	73095	46.294	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.580%		
50) Toluene-d8	8.647	98	278420	48.613	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.220%		
62) 4-Bromofluorobenzene	11.079	95	101278	44.997	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.000%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	369	0.249	ug/l #	43
4) Vinyl Chloride	1.374	62	1625	1.008	ug/l	96
6) Chloroethane	1.654	64	1932	2.036	ug/l #	58
11) Tert butyl alcohol	2.977	59	414	0.840	ug/l #	78
12) 1,1-Dichloroethene	2.312	96	65425	43.593	ug/l	85
16) Acetone	2.386	43	1447	1.760	ug/l	91
17) Carbon Disulfide	2.508	76	14193	3.718	ug/l	99
20) Methylene Chloride	2.788	84	603	0.328	ug/l #	91
21) trans-1,2-Dichloroethene	3.087	96	389	0.228	ug/l	87
24) 1,1-Dichloroethane	3.611	63	11757	3.933	ug/l	99
25) 2-Butanone	4.599	43	1153	0.931	ug/l	91
27) cis-1,2-Dichloroethene	4.483	96	71064	35.332	ug/l	81
29) Tetrahydrofuran	5.025	42	1452	1.839	ug/l	93
30) Chloroform	5.099	83	922	0.275	ug/l	97
31) Cyclohexane	5.544	56	2664	1.127	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11403	5.083	ug/l #	50
37) Ethyl Acetate	4.599	43	1153	0.503	ug/l #	69
38) Carbon Tetrachloride	5.550	117	15279	6.270	ug/l #	15
39) Methylcyclohexane	7.129	83	481	0.204	ug/l #	1
41) Methacrylonitrile	5.019	41	802	0.673	ug/l #	46
42) 1,2-Dichloroethane	6.092	62	6949	2.754	ug/l	96
44) Trichloroethene	7.129	130	42320	23.198	ug/l	98
49) 1,4-Dioxane	7.671	88	2615	54.729	ug/l #	87
51) 4-Methyl-2-Pentanone	8.574	43	984	0.445	ug/l	99
52) Toluene	8.720	92	22063	5.190	ug/l	99
68) m/p-Xylenes	10.305	106	883	0.293	ug/l	93
76) 1,2,3-Trichloropropane	11.079	75	50063	24.863	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	50063	69.444	ug/l #	5

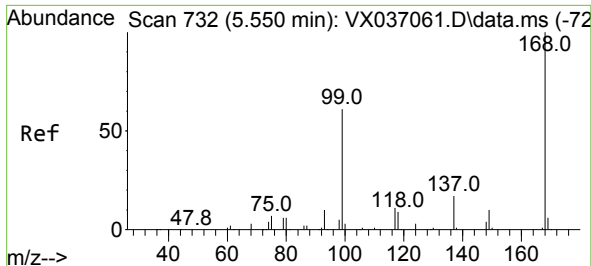
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083023\
Data File : VX037388.D
Acq On : 30 Aug 2023 14:53
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Sample : 04229-01
Misc : 5.0mL/MSVOA_X/WATER
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Instrument :
MSVOA_X
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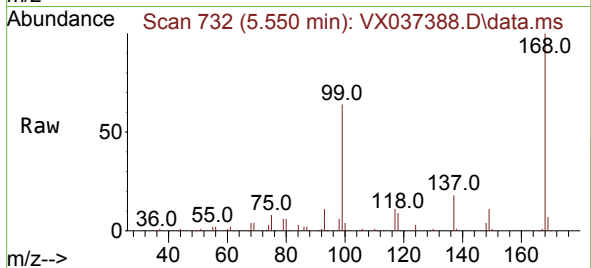
Quant Time: Aug 31 02:23:48 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 2023
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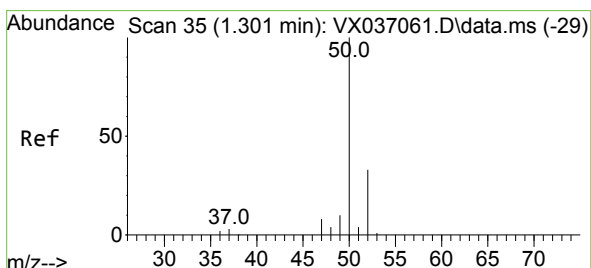
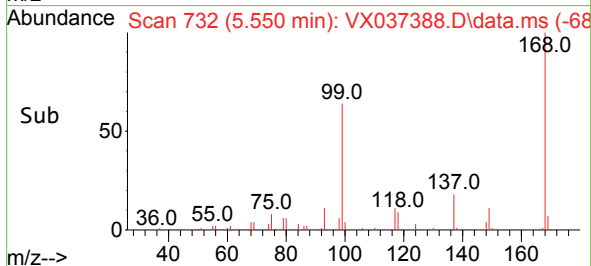
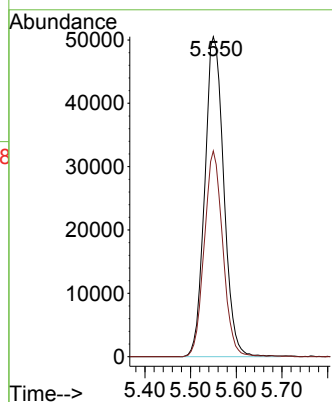


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037388.D
Acq: 30 Aug 2023 14:53

Instrument :
MSVOA_X
ClientSampleId :

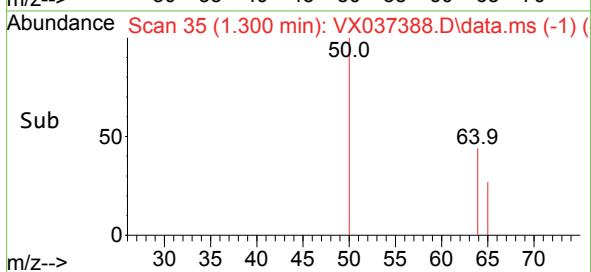
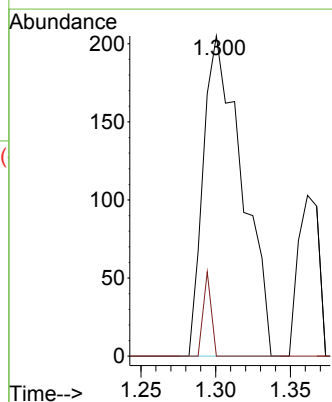
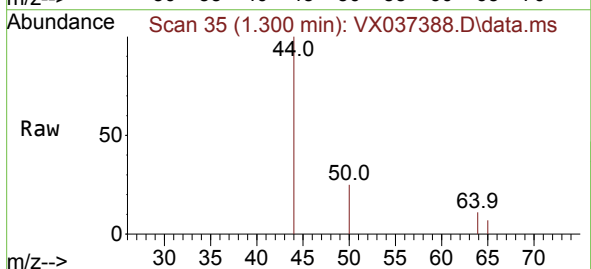


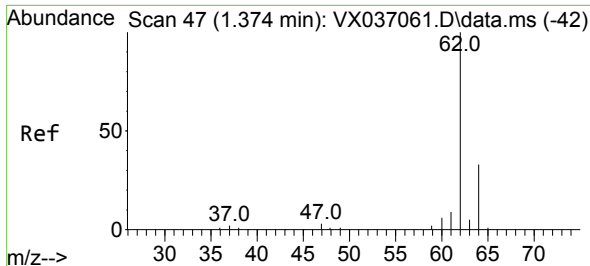
Tgt Ion:168 Resp: 145795
Ion Ratio Lower Upper
168 100
99 64.3 56.6 85.0



#3
Chloromethane
Concen: 0.249 ug/l
RT: 1.300 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX037388.D
Acq: 30 Aug 2023 14:53

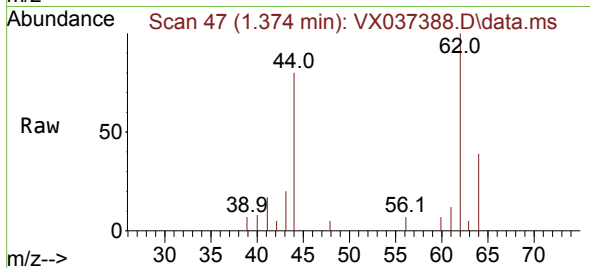
Tgt Ion: 50 Resp: 369
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#



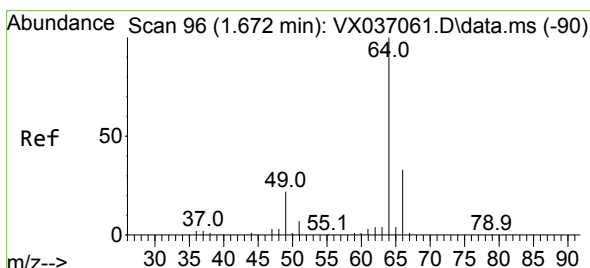
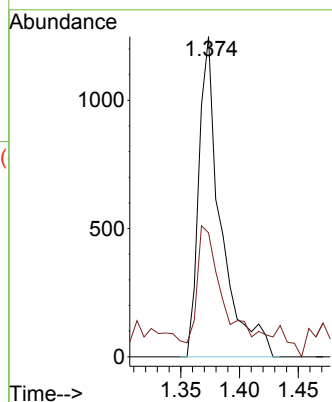
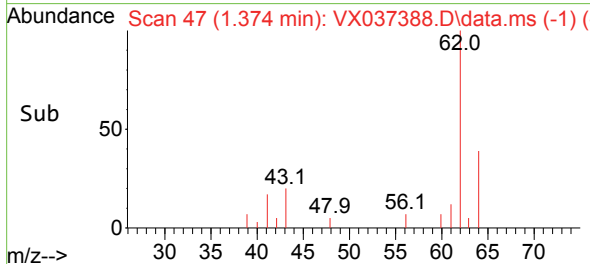


#4
 Vinyl Chloride
 Concen: 1.008 ug/l
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX037388.D
 Acq: 30 Aug 2023 14:53

Instrument :
 MSVOA_X
 ClientSampleId :

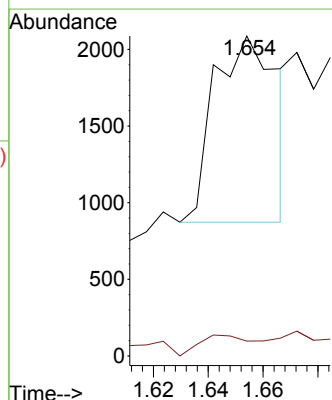
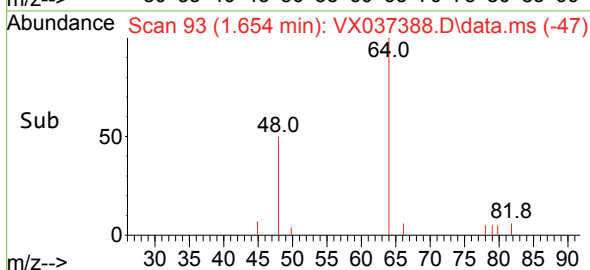
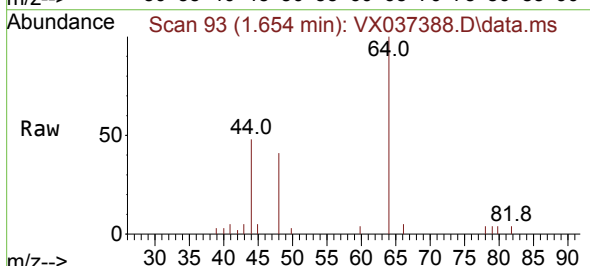


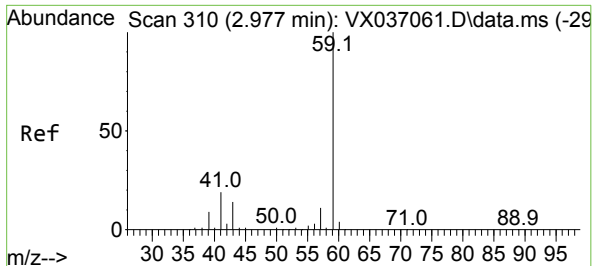
Tgt Ion: 62 Resp: 1625
 Ion Ratio Lower Upper
 62 100
 64 33.7 25.4 38.0



#6
 Chloroethane
 Concen: 2.036 ug/l
 RT: 1.654 min Scan# 93
 Delta R.T. -0.018 min
 Lab File: VX037388.D
 Acq: 30 Aug 2023 14:53

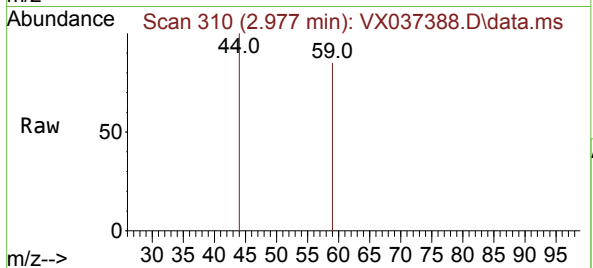
Tgt Ion: 64 Resp: 1932
 Ion Ratio Lower Upper
 64 100
 66 8.0 25.1 37.7#



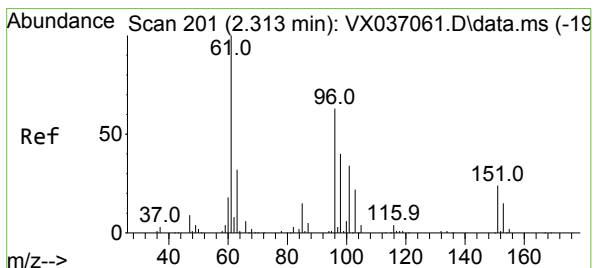
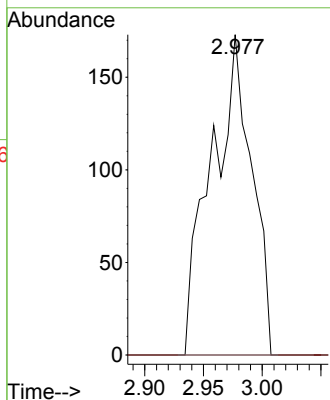


#11
Tert butyl alcohol
Concen: 0.840 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.000 min
Lab File: VX037388.D
Acq: 30 Aug 2023 14:53

Instrument :
MSVOA_X
ClientSampleId :

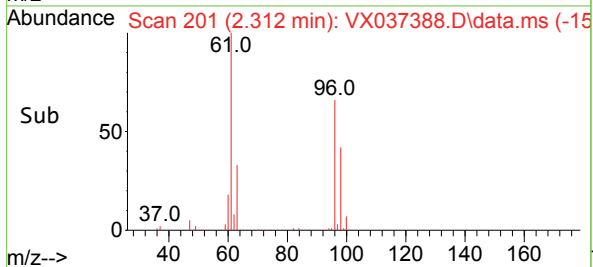
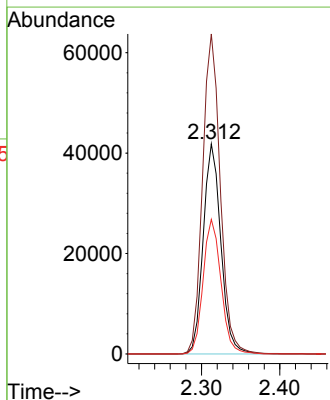
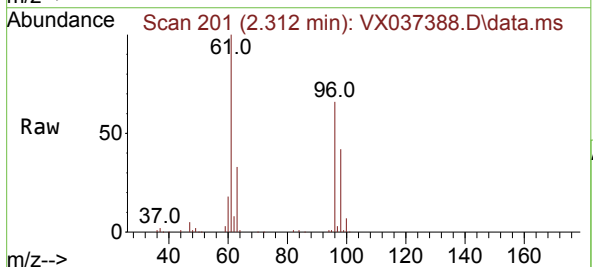


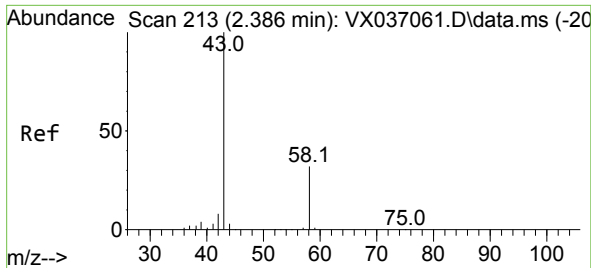
Tgt Ion: 59 Resp: 414
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#12
1,1-Dichloroethene
Concen: 43.593 ug/l
RT: 2.312 min Scan# 201
Delta R.T. -0.000 min
Lab File: VX037388.D
Acq: 30 Aug 2023 14:53

Tgt Ion: 96 Resp: 65425
Ion Ratio Lower Upper
96 100
61 152.4 144.6 216.8
98 64.1 50.4 75.6

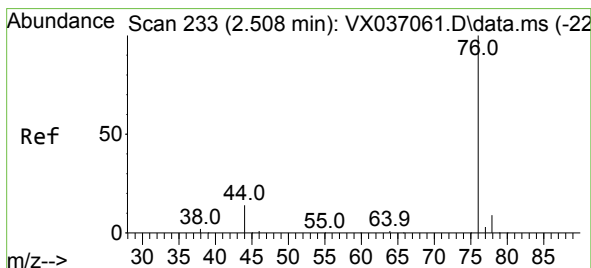
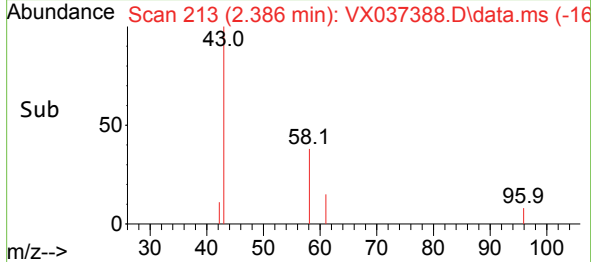
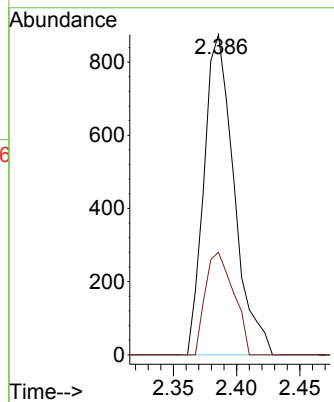
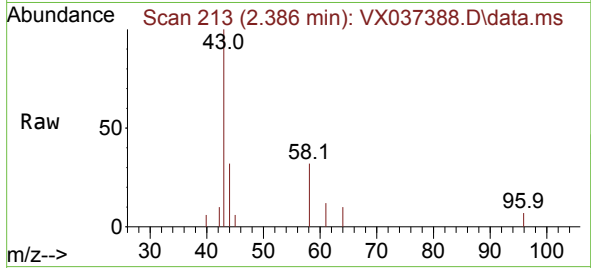




#16
Acetone
Concen: 1.760 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX037388.D
Acq: 30 Aug 2023 14:53

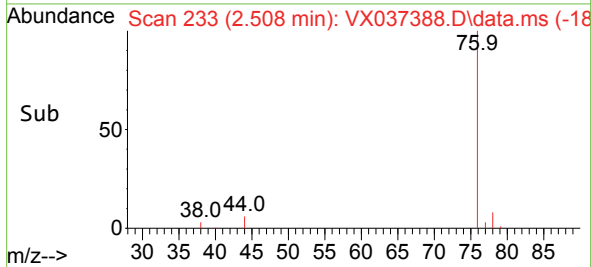
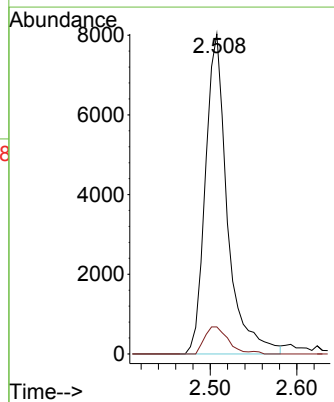
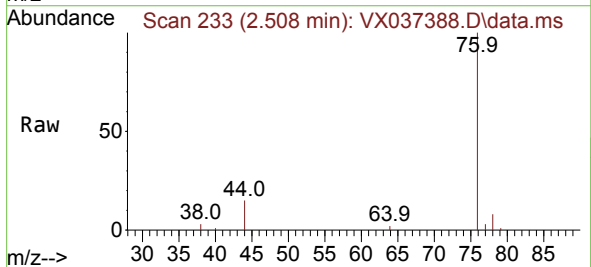
Instrument :
MSVOA_X
ClientSampleId :

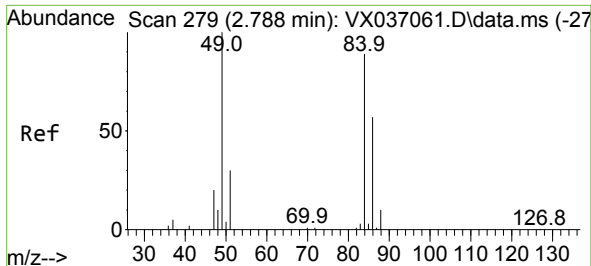
Tgt Ion: 43 Resp: 1447
Ion Ratio Lower Upper
43 100
58 32.0 21.9 32.9



#17
Carbon Disulfide
Concen: 3.718 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.000 min
Lab File: VX037388.D
Acq: 30 Aug 2023 14:53

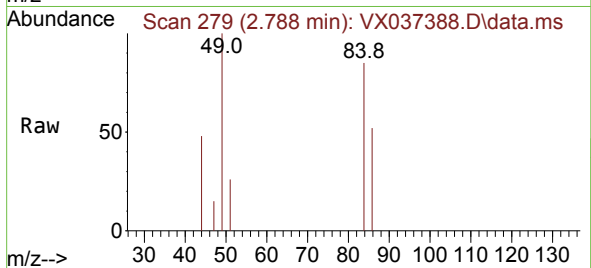
Tgt Ion: 76 Resp: 14193
Ion Ratio Lower Upper
76 100
78 8.4 7.0 10.6



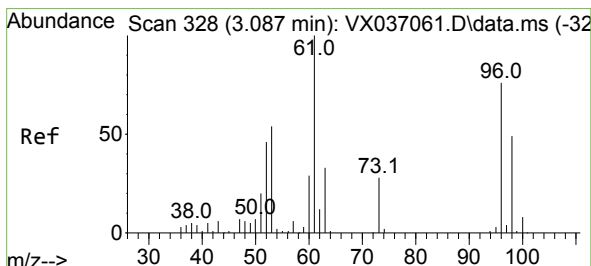
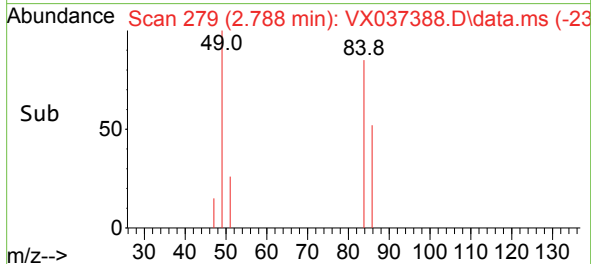
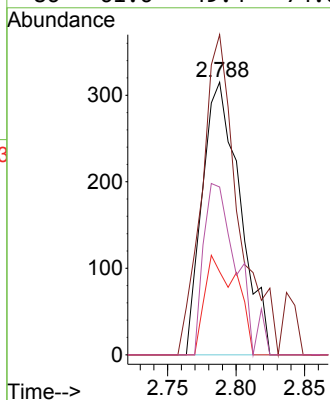


#20
Methylene Chloride
Concen: 0.328 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX037388.D
Acq: 30 Aug 2023 14:53

Instrument :
MSVOA_X
ClientSampleId :

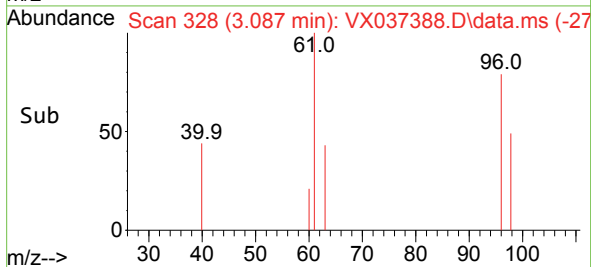
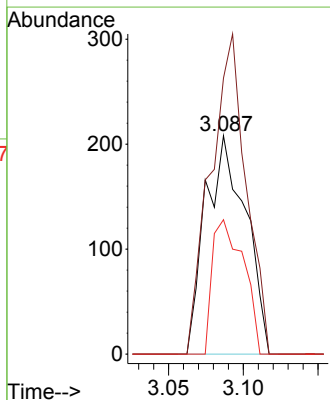
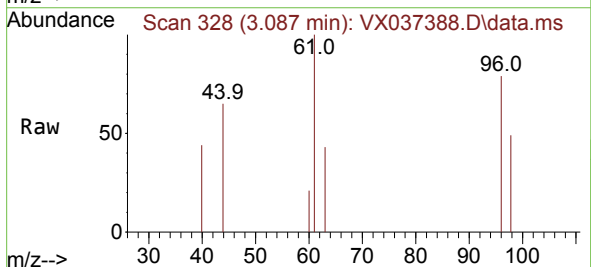


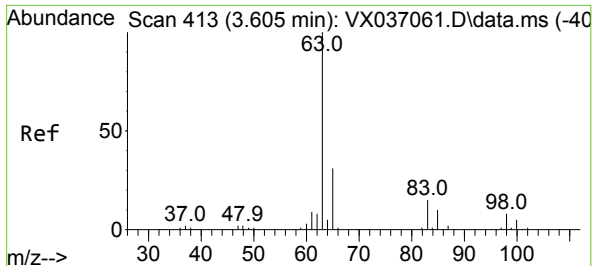
Tgt Ion:	84	Resp:	603
Ion	Ratio	Lower	Upper
84	100		
49	117.5	103.6	155.4
51	30.5	33.8	50.6#
86	61.6	49.4	74.0



#21
trans-1,2-Dichloroethene
Concen: 0.228 ug/l
RT: 3.087 min Scan# 328
Delta R.T. -0.000 min
Lab File: VX037388.D
Acq: 30 Aug 2023 14:53

Tgt Ion:	96	Resp:	389
Ion	Ratio	Lower	Upper
96	100		
61	126.4	119.2	178.8
98	61.5	48.7	73.1

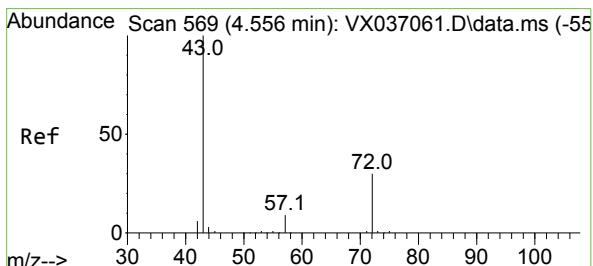
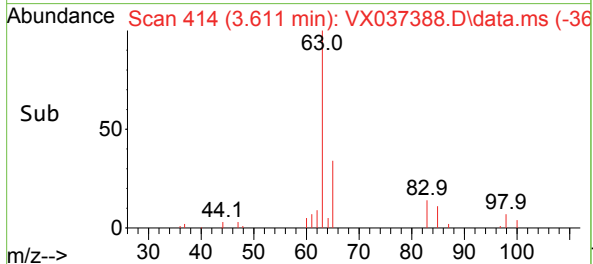
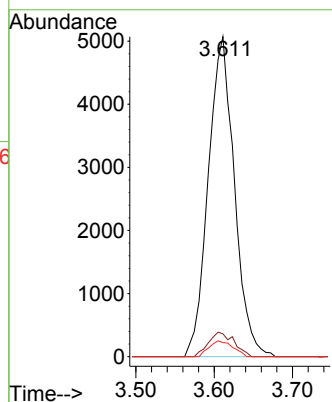
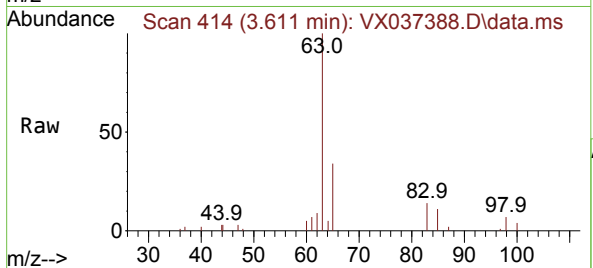




#24
1,1-Dichloroethane
Concen: 3.933 ug/l
RT: 3.611 min Scan# 413
Delta R.T. 0.006 min
Lab File: VX037388.D
Acq: 30 Aug 2023 14:53

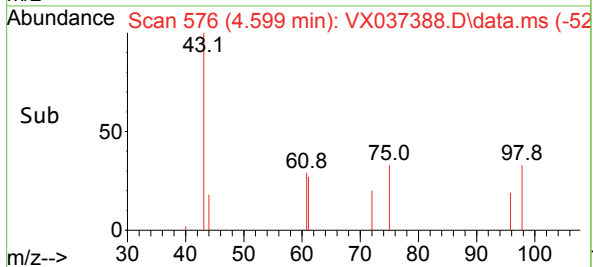
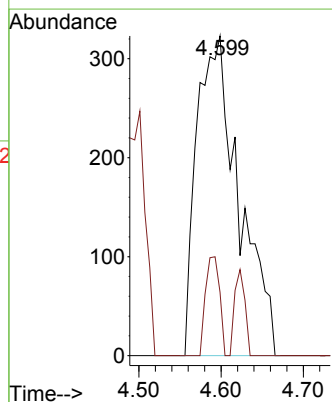
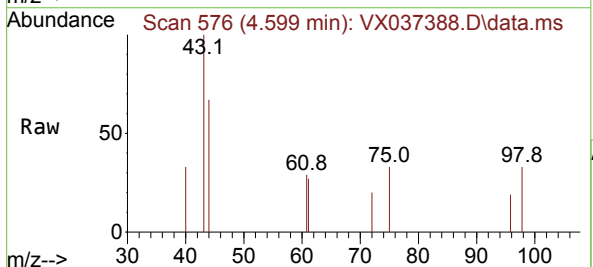
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MSVOA_X
ClientSampleId :

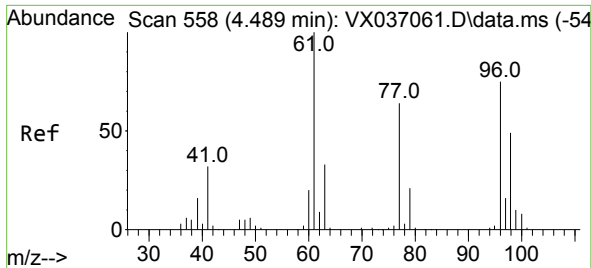
Tgt Ion: 63 Resp: 11757
Ion Ratio Lower Upper
63 100
98 7.2 3.3 9.8
100 4.4 2.1 6.5



#25
2-Butanone
Concen: 0.931 ug/l
RT: 4.599 min Scan# 576
Delta R.T. 0.043 min
Lab File: VX037388.D
Acq: 30 Aug 2023 14:53

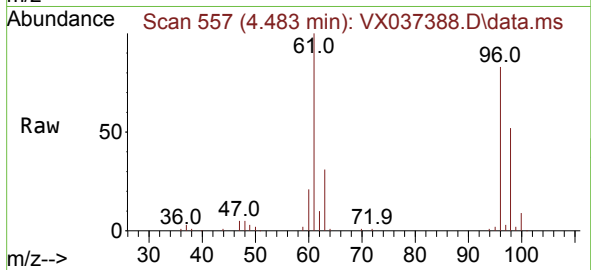
Tgt Ion: 43 Resp: 1153
Ion Ratio Lower Upper
43 100
72 19.8 19.4 29.2



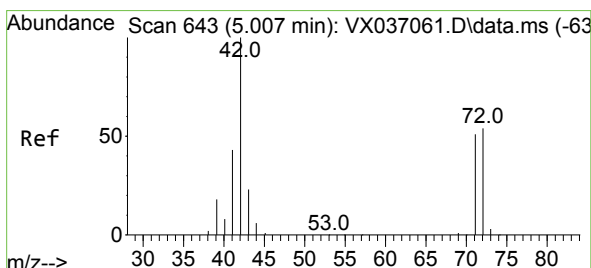
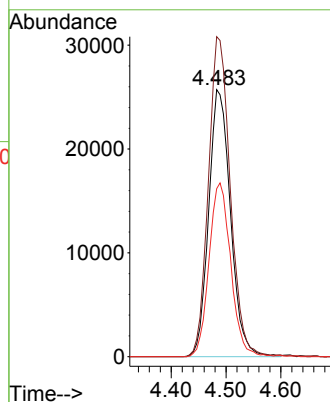
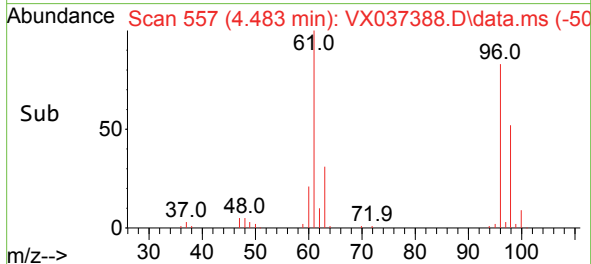


#27
 cis-1,2-Dichloroethene
 Concen: 35.332 ug/l
 RT: 4.483 min Scan# 51
 Delta R.T. -0.006 min
 Lab File: VX037388.D
 Acq: 30 Aug 2023 14:53

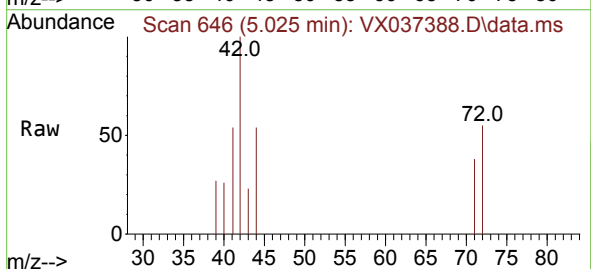
Instrument :
 MSVOA_X
 ClientSampleId :



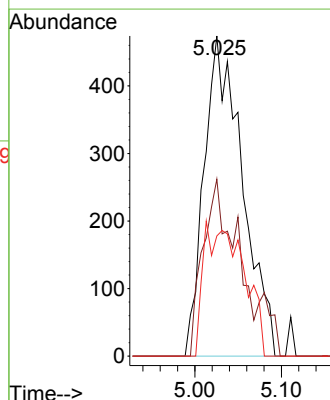
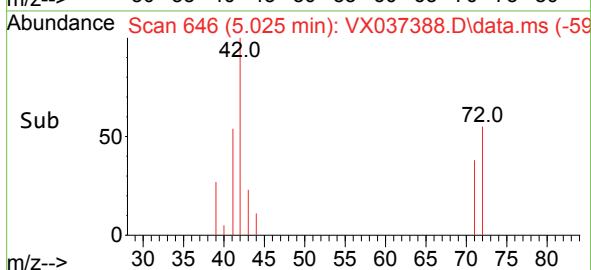
Tgt Ion: 96	Resp: 71064
Ion Ratio	Lower Upper
96	100
61	120.5 0.0 312.2
98	64.6 0.0 129.0

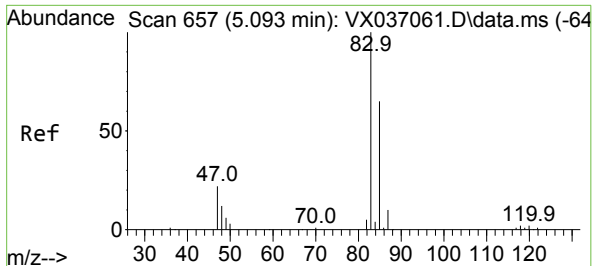


#29
 Tetrahydrofuran
 Concen: 1.839 ug/l
 RT: 5.025 min Scan# 646
 Delta R.T. 0.018 min
 Lab File: VX037388.D
 Acq: 30 Aug 2023 14:53



Tgt Ion: 42	Resp: 1452
Ion Ratio	Lower Upper
42	100
72	48.1 34.2 51.4
71	43.6 32.2 48.2





#30

Chloroform

Concen: 0.275 ug/l

RT: 5.099 min Scan# 61

Delta R.T. 0.006 min

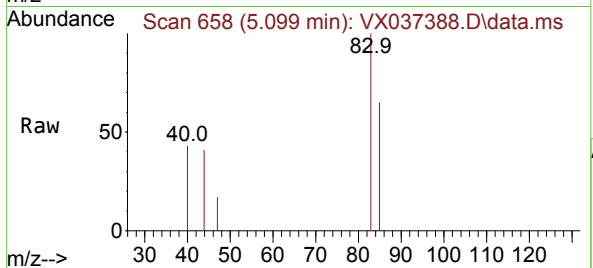
Lab File: VX037388.D

Acq: 30 Aug 2023 14:53

Instrument :

MSVOA_X

ClientSampleId :

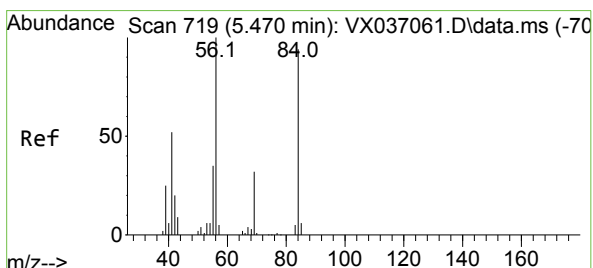
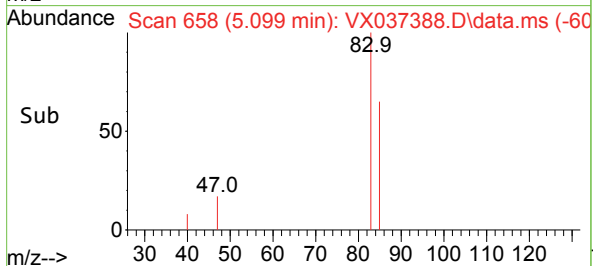
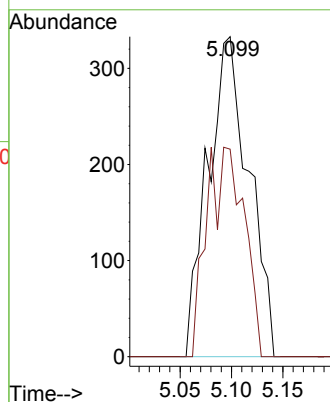


Tgt Ion: 83 Resp: 922

Ion Ratio Lower Upper

83 100

85 64.9 50.3 75.5



#31

Cyclohexane

Concen: 1.127 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX037388.D

Acq: 30 Aug 2023 14:53

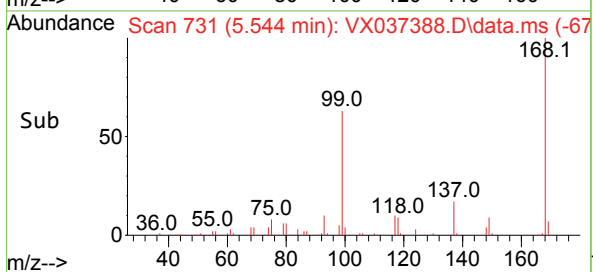
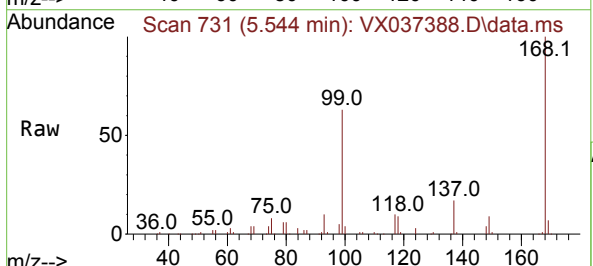
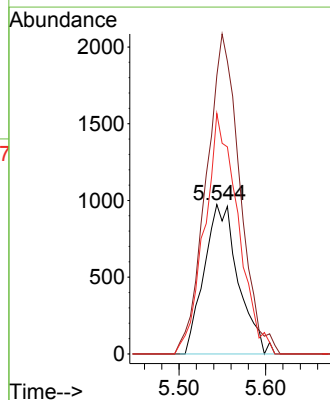
Tgt Ion: 56 Resp: 2664

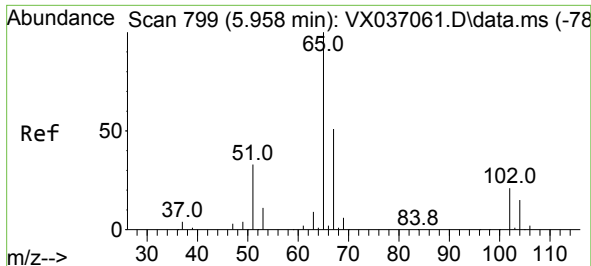
Ion Ratio Lower Upper

56 100

69 186.4 23.4 35.2#

84 161.0 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 42.417 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX037388.D

Acq: 30 Aug 2023 14:53

Instrument :

MSVOA_X

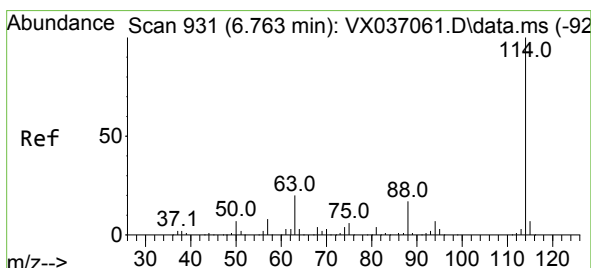
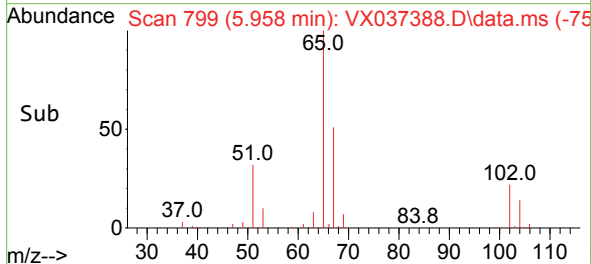
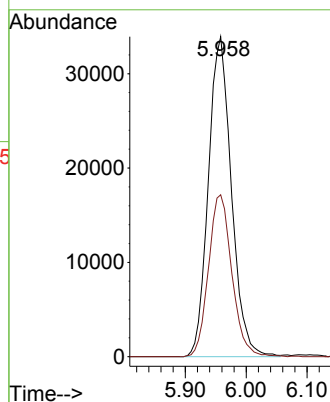
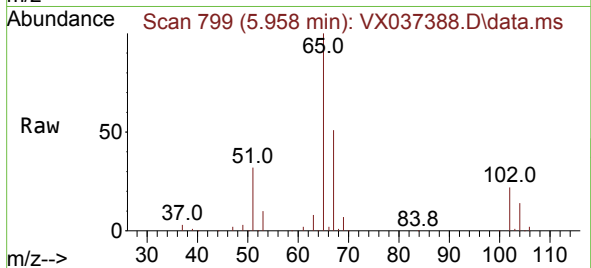
ClientSampleId :

Tgt Ion: 65 Resp: 89157

Ion Ratio Lower Upper

65 100

67 51.3 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX037388.D

Acq: 30 Aug 2023 14:53

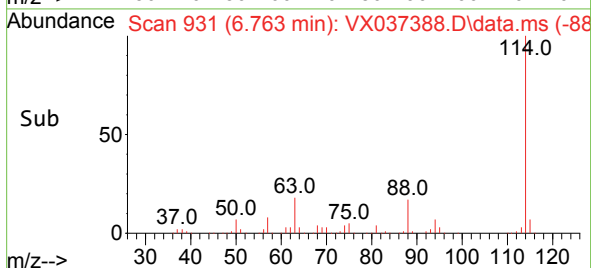
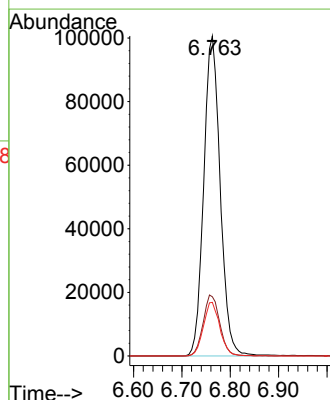
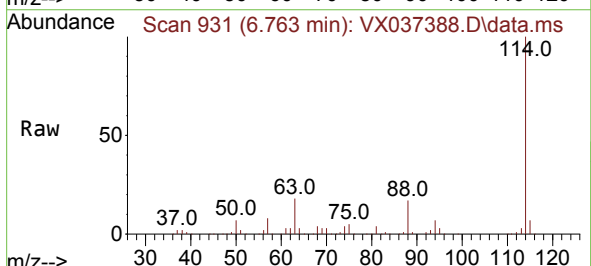
Tgt Ion: 114 Resp: 238407

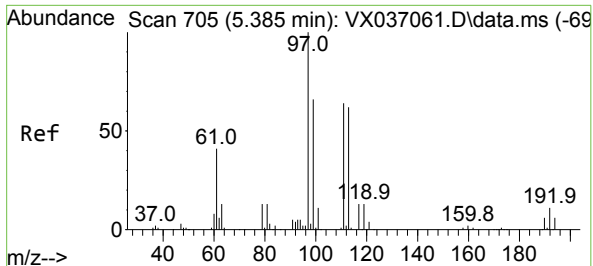
Ion Ratio Lower Upper

114 100

63 18.5 0.0 45.0

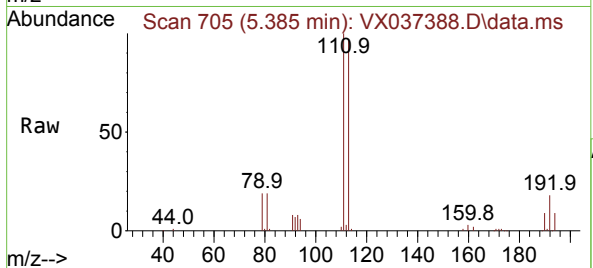
88 16.8 0.0 36.6



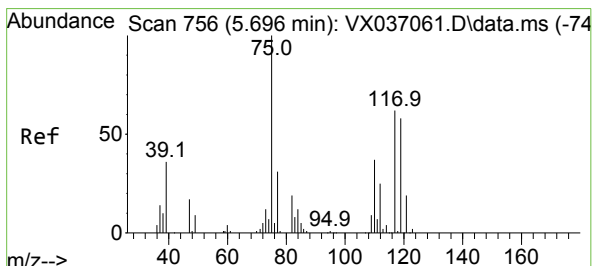
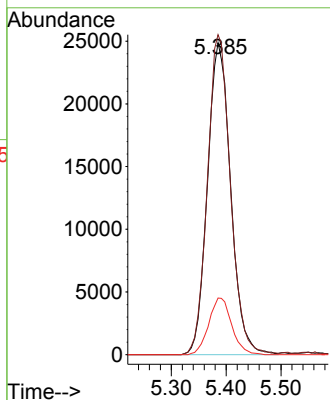
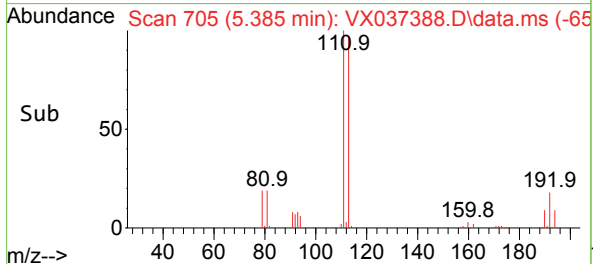


#35
Dibromofluoromethane
Concen: 46.294 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037388.D
Acq: 30 Aug 2023 14:53

Instrument :
MSVOA_X
ClientSampleId :

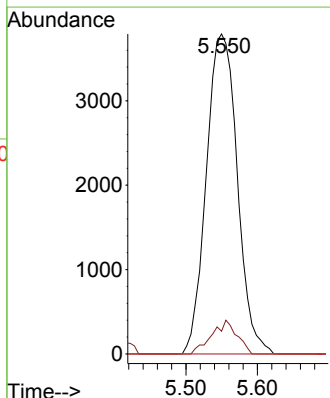
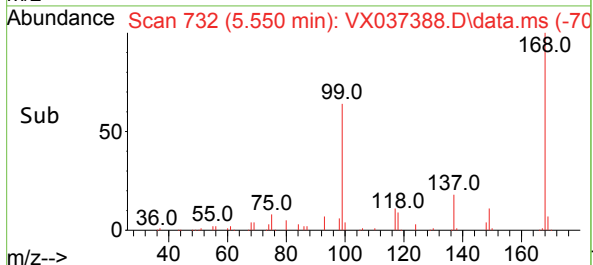
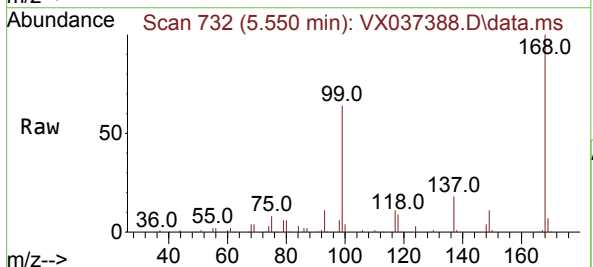


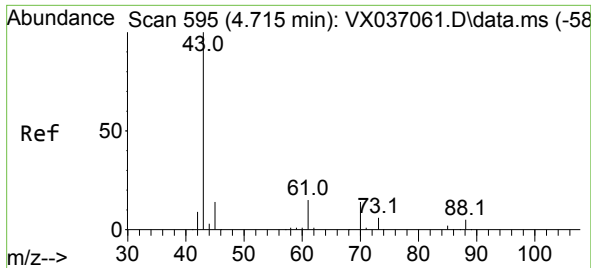
Tgt Ion:113 Resp: 73095
Ion Ratio Lower Upper
113 100
111 101.8 82.9 124.3
192 18.0 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.083 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX037388.D
Acq: 30 Aug 2023 14:53

Tgt Ion: 75 Resp: 11403
Ion Ratio Lower Upper
75 100
110 8.6 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.503 ug/l

RT: 4.599 min Scan# 51

Delta R.T. -0.116 min

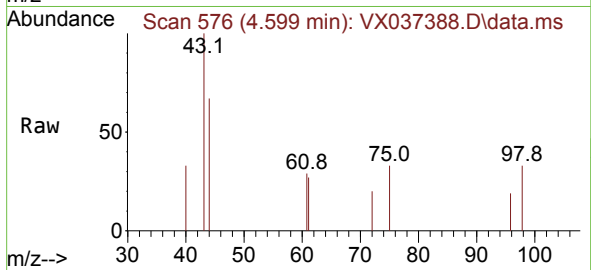
Lab File: VX037388.D

Acq: 30 Aug 2023 14:53

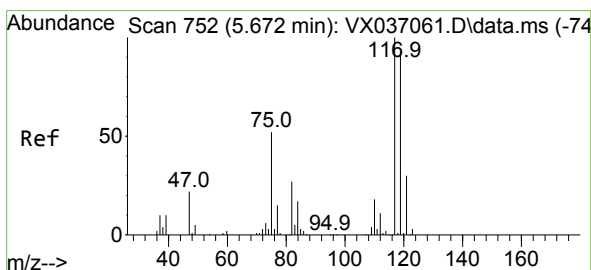
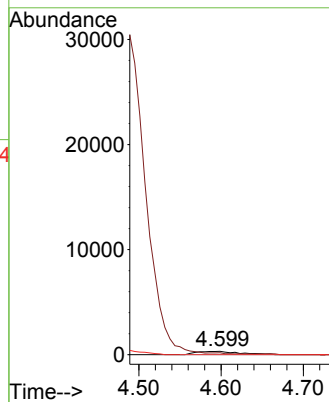
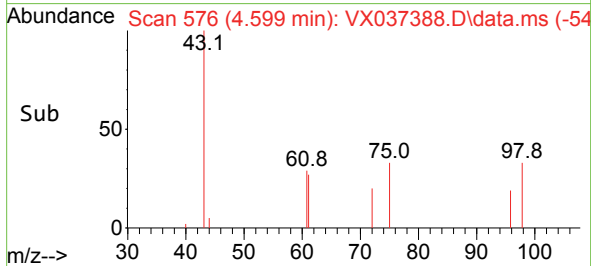
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 43	Resp: 1153
Ion Ratio	Lower Upper
43	100
61	0.0 10.6 16.0#
70	0.0 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.270 ug/l

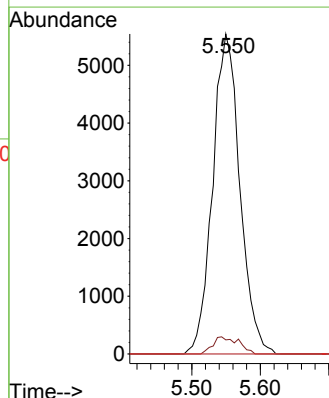
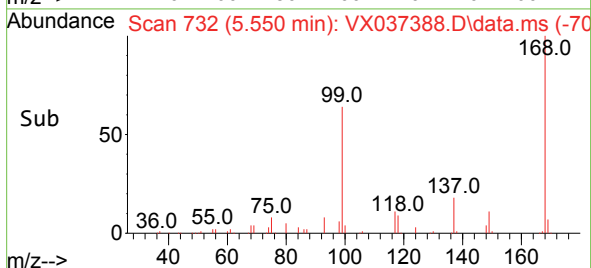
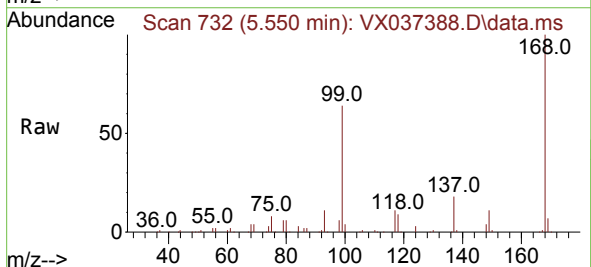
RT: 5.550 min Scan# 732

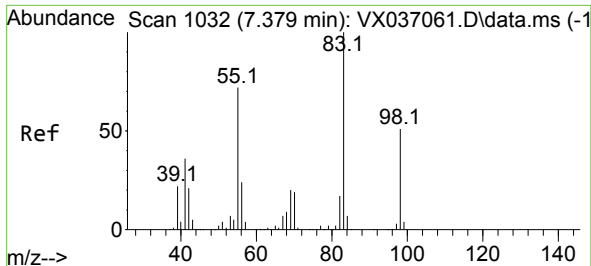
Delta R.T. -0.122 min

Lab File: VX037388.D

Acq: 30 Aug 2023 14:53

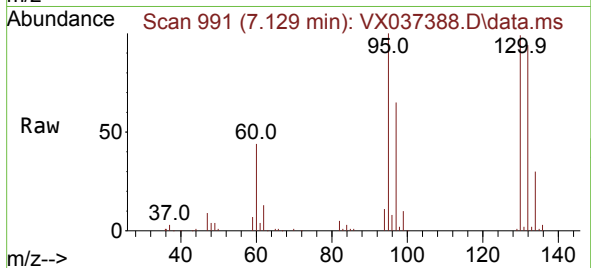
Tgt Ion: 117	Resp: 15279
Ion Ratio	Lower Upper
117	100
119	4.4 78.2 117.2#
121	0.0 24.4 36.6#



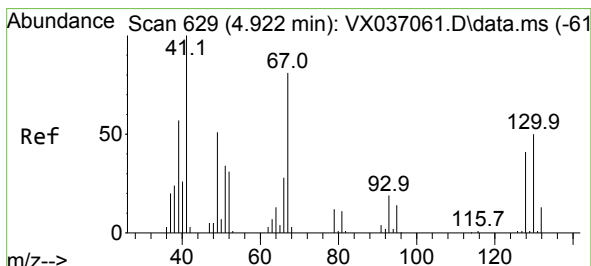
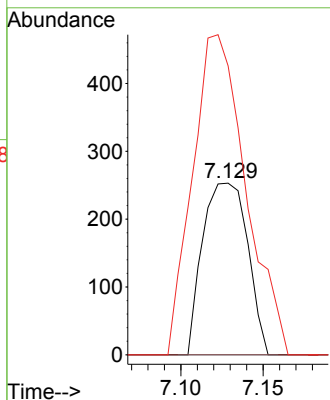
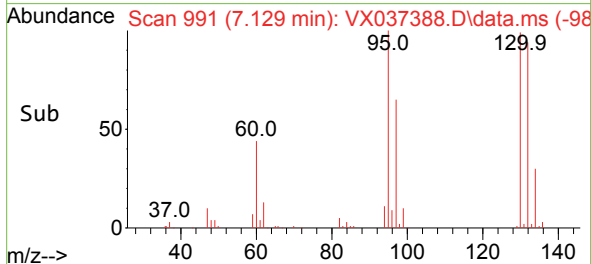


#39
Methylcyclohexane
Concen: 0.204 ug/l
RT: 7.129 min Scan# 91
Delta R.T. -0.250 min
Lab File: VX037388.D
Acq: 30 Aug 2023 14:53

Instrument :
MSVOA_X
ClientSampleId :

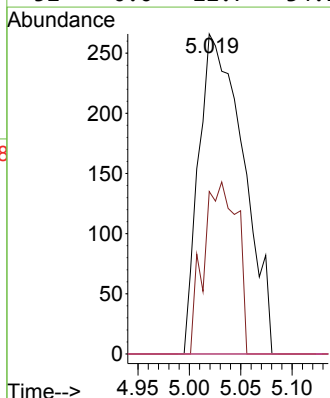
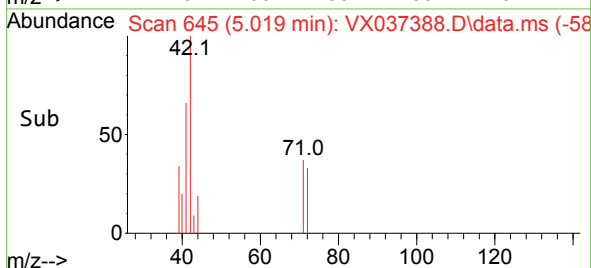
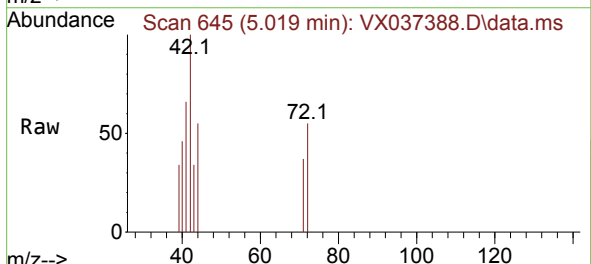


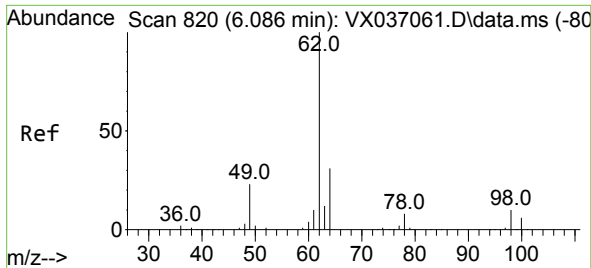
Tgt Ion: 83 Resp: 481
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 143.5 36.7 55.1#



#41
Methacrylonitrile
Concen: 0.673 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.098 min
Lab File: VX037388.D
Acq: 30 Aug 2023 14:53

Tgt Ion: 41 Resp: 802
Ion Ratio Lower Upper
41 100
39 40.9 45.2 67.8#
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#

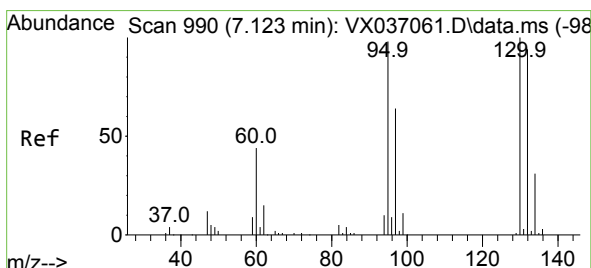
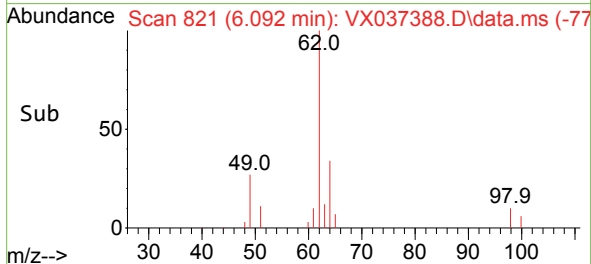
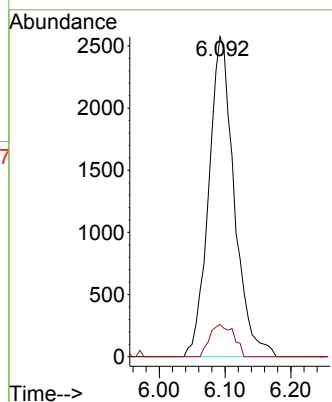
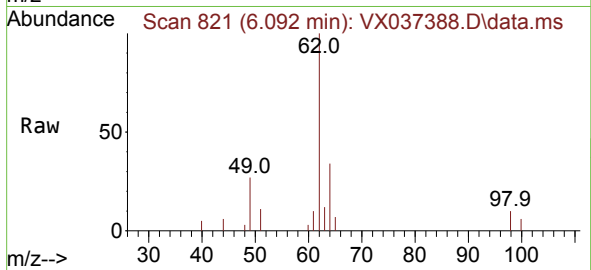




#42
1,2-Dichloroethane
Concen: 2.754 ug/l
RT: 6.092 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX037388.D
Acq: 30 Aug 2023 14:53

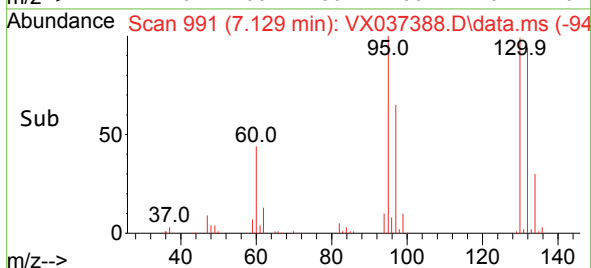
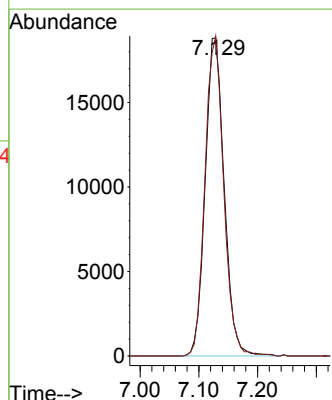
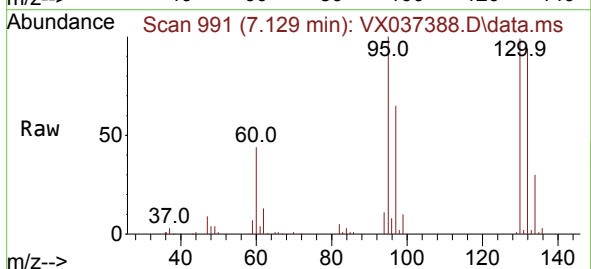
Instrument :
MSVOA_X
ClientSampleId :

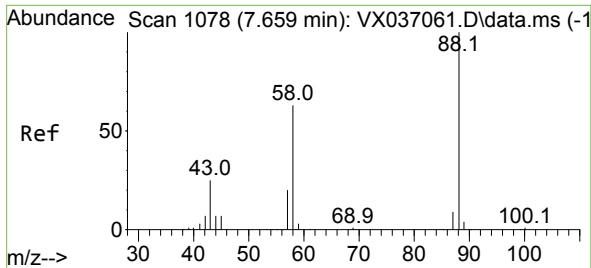
Tgt Ion: 62 Resp: 6949
Ion Ratio Lower Upper
62 100
98 9.4 0.0 16.0



#44
Trichloroethene
Concen: 23.198 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX037388.D
Acq: 30 Aug 2023 14:53

Tgt Ion:130 Resp: 42320
Ion Ratio Lower Upper
130 100
95 100.6 0.0 204.4

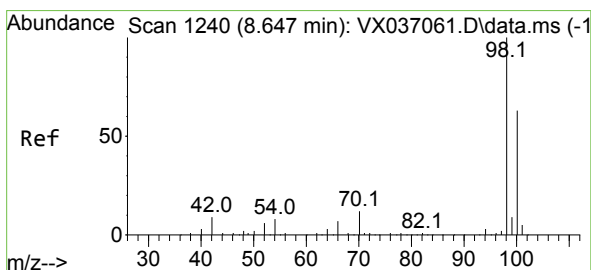
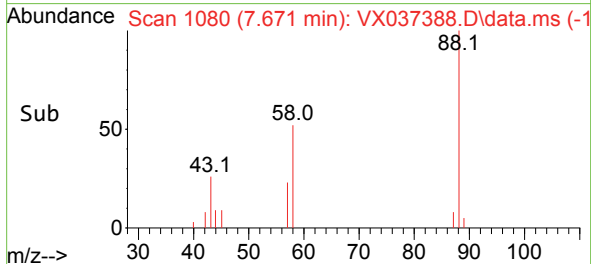
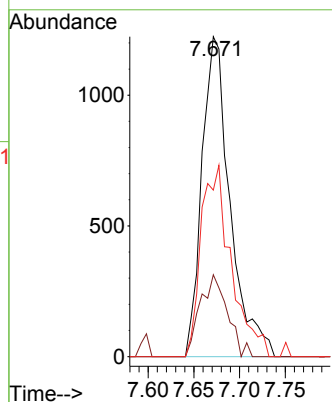
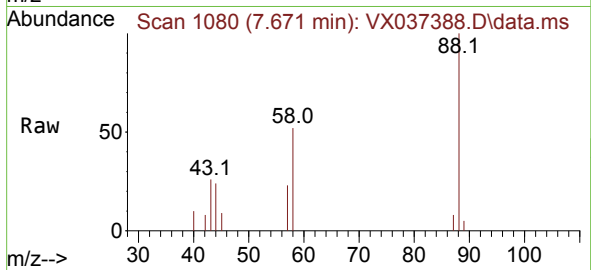




#49
1,4-Dioxane
Concen: 54.729 ug/l
RT: 7.671 min Scan# 1078
Delta R.T. 0.012 min
Lab File: VX037388.D
Acq: 30 Aug 2023 14:53

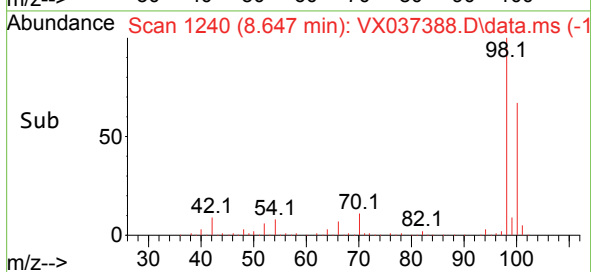
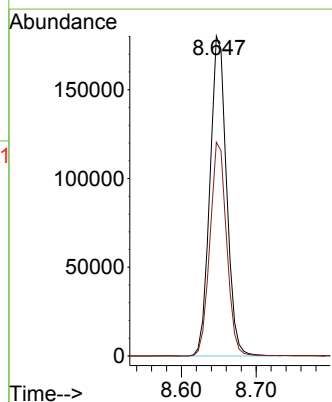
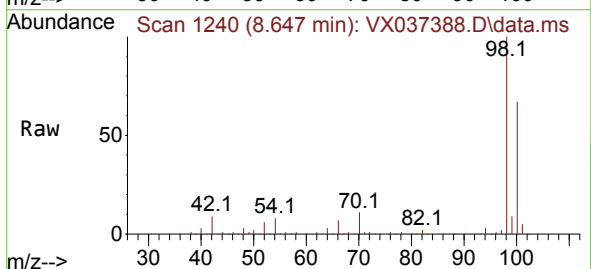
Instrument :
MSVOA_X
ClientSampleId :

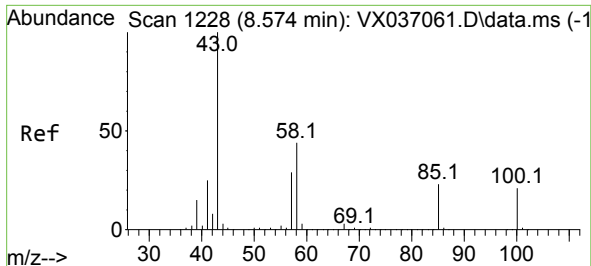
Tgt Ion: 88 Resp: 2615
Ion Ratio Lower Upper
88 100
43 24.8 0.0 0.0#
58 63.7 60.1 90.1



#50
Toluene-d8
Concen: 48.613 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX037388.D
Acq: 30 Aug 2023 14:53

Tgt Ion: 98 Resp: 278420
Ion Ratio Lower Upper
98 100
100 67.0 53.1 79.7

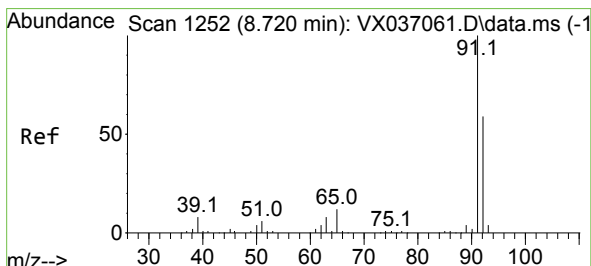
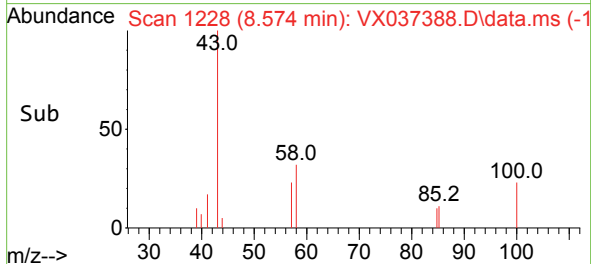
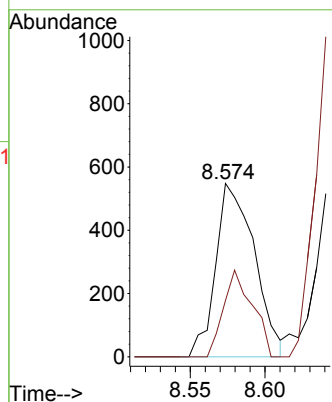
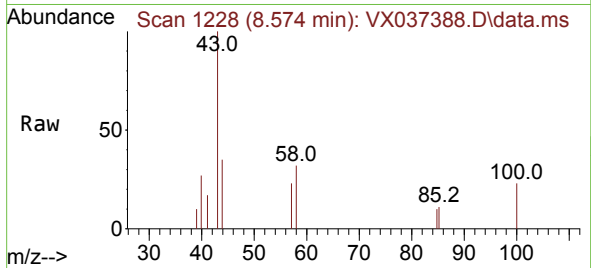




#51
4-Methyl-2-Pentanone
Concen: 0.445 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX037388.D
Acq: 30 Aug 2023 14:53

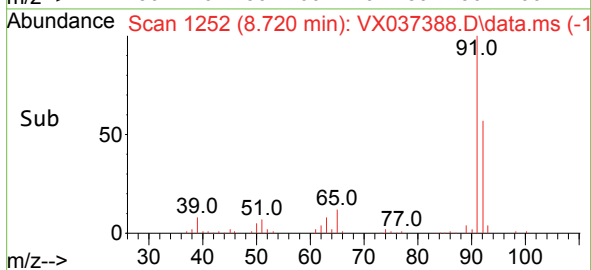
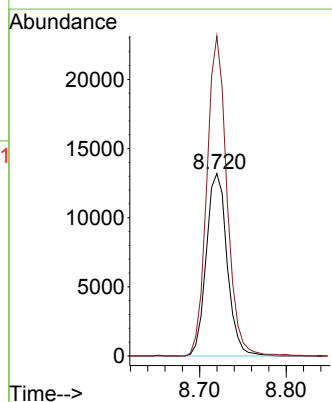
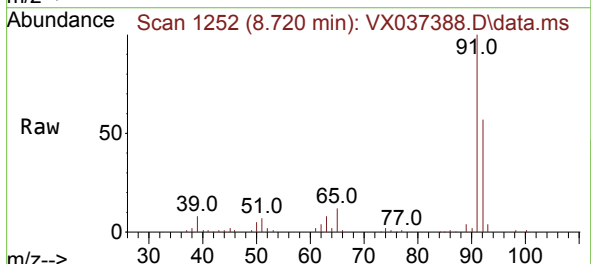
Instrument :
MSVOA_X
ClientSampleId :

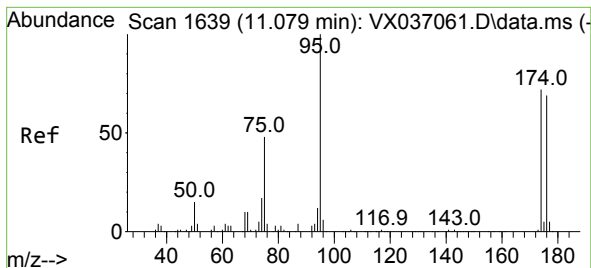
Tgt Ion: 43 Resp: 984
Ion Ratio Lower Upper
43 100
58 37.5 30.4 45.6



#52
Toluene
Concen: 5.190 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX037388.D
Acq: 30 Aug 2023 14:53

Tgt Ion: 92 Resp: 22063
Ion Ratio Lower Upper
92 100
91 168.8 134.2 201.2

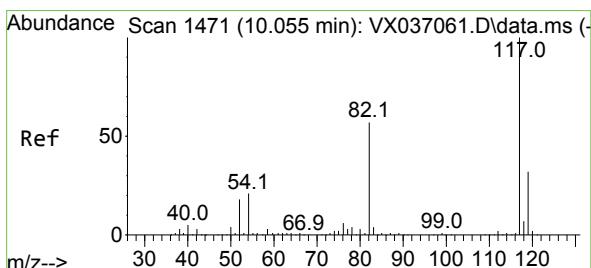
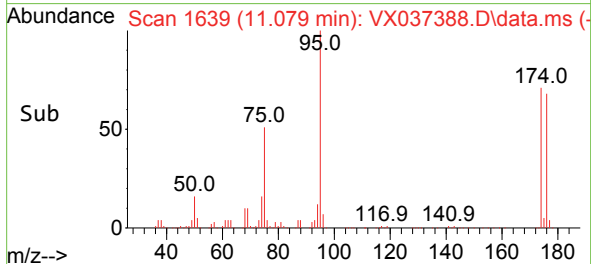
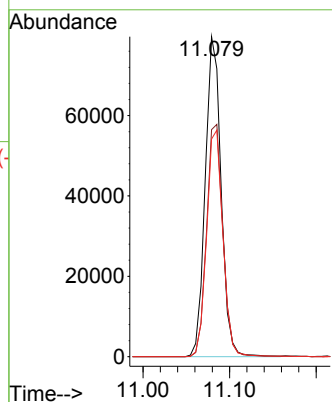
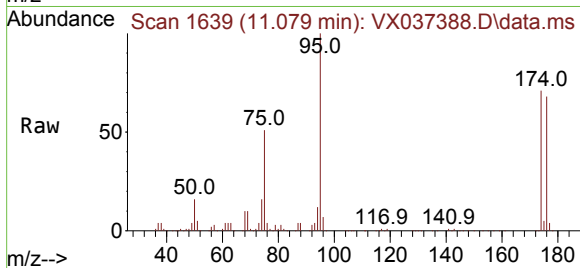




#62
4-Bromofluorobenzene
Concen: 44.997 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX037388.D
Acq: 30 Aug 2023 14:53

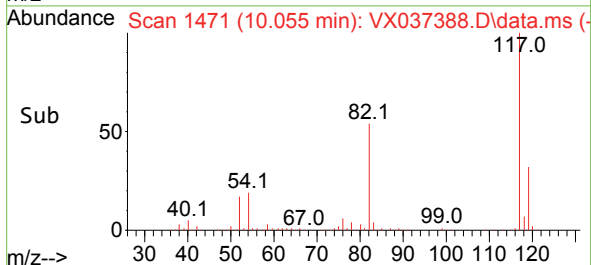
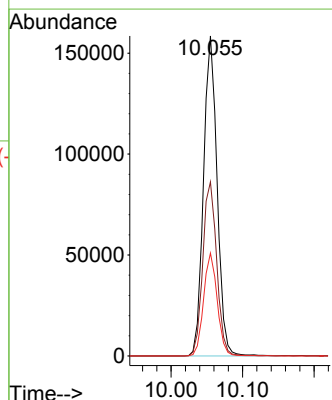
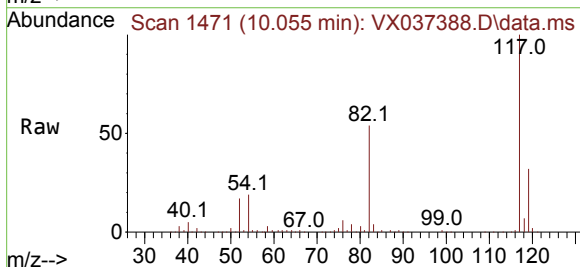
Instrument :
MSVOA_X
ClientSampleId :

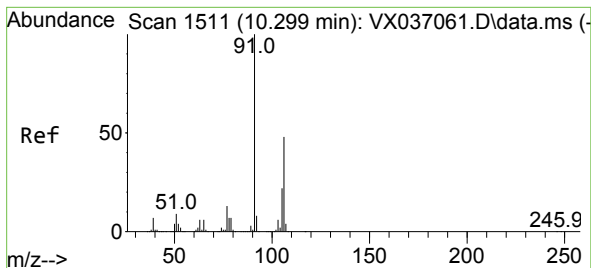
Tgt Ion: 95 Resp: 101278
Ion Ratio Lower Upper
95 100
174 74.8 0.0 135.6
176 72.7 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037388.D
Acq: 30 Aug 2023 14:53

Tgt Ion: 117 Resp: 209631
Ion Ratio Lower Upper
117 100
82 54.4 46.2 69.4
119 32.2 25.5 38.3

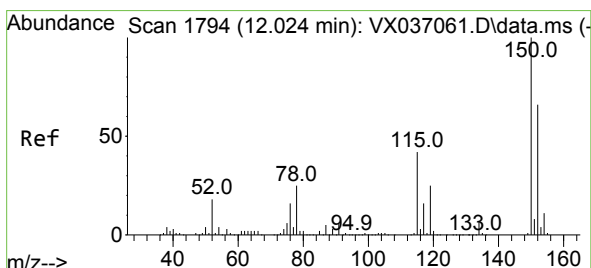
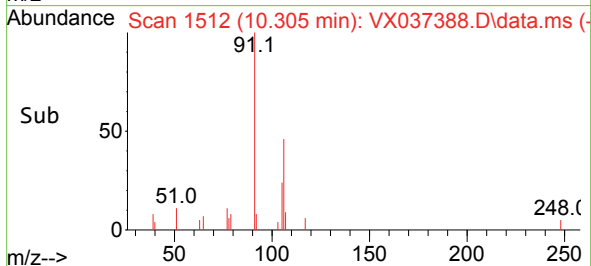
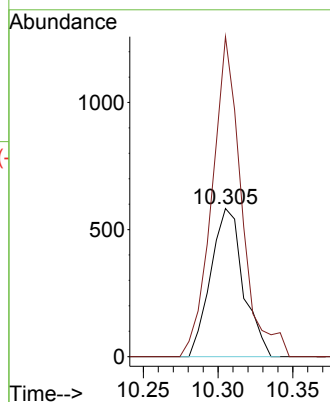
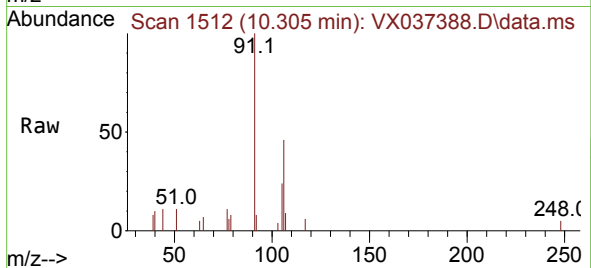




#68
m/p-Xylenes
Concen: 0.293 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VX037388.D
Acq: 30 Aug 2023 14:53

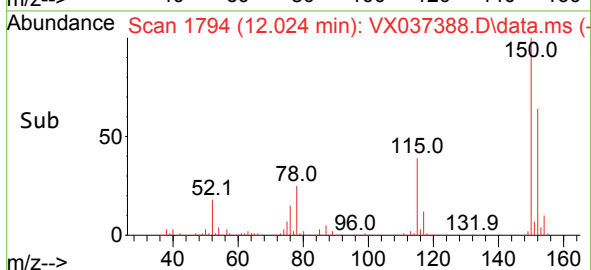
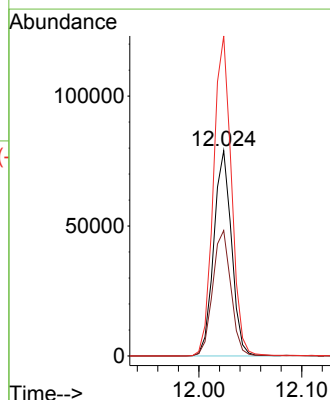
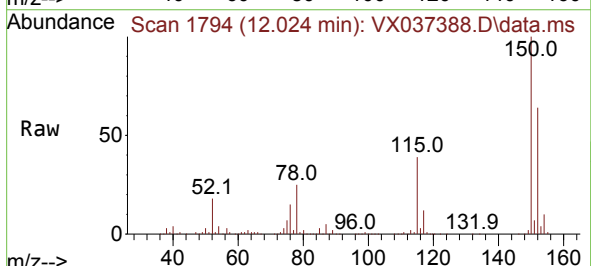
Instrument :
MSVOA_X
ClientSampleId :

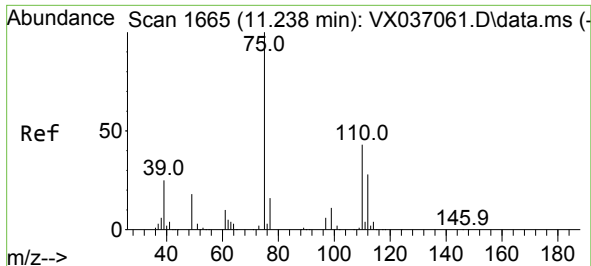
Tgt Ion:106 Resp: 883
Ion Ratio Lower Upper
106 100
91 195.4 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX037388.D
Acq: 30 Aug 2023 14:53

Tgt Ion:152 Resp: 94547
Ion Ratio Lower Upper
152 100
115 63.0 43.3 129.9
150 158.2 0.0 345.0

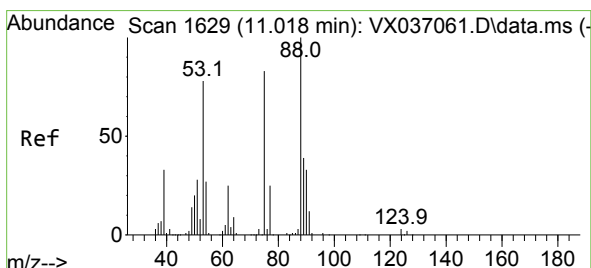
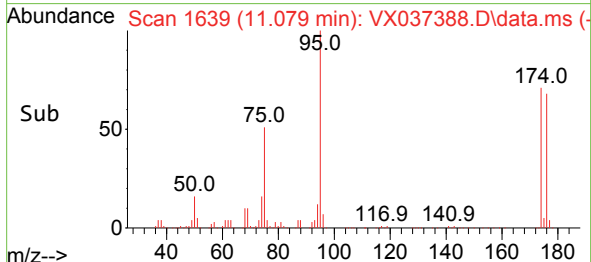
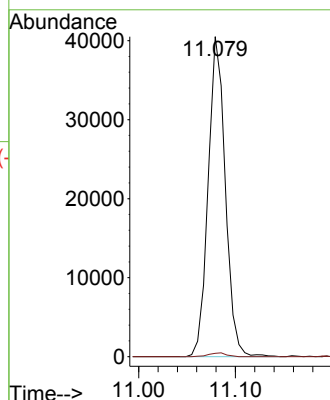
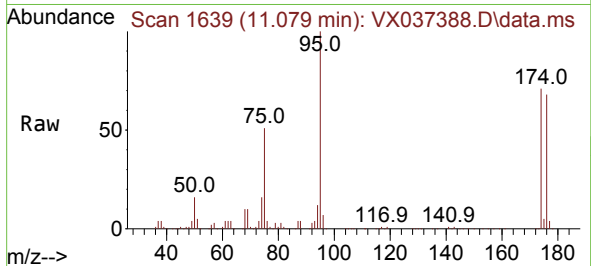




#76
1,2,3-Trichloropropane
Concen: 24.863 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX037388.D
Acq: 30 Aug 2023 14:53

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 50063
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.444 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037388.D
Acq: 30 Aug 2023 14:53

Tgt Ion: 75 Resp: 50063
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

