

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031324\
 Data File : VN081392.D
 Acq On : 13 Mar 2024 14:19
 Operator : JC\MD
 Sample : P1725-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RT-3860

Quant Time: Mar 14 01:06:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030524W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 06 03:12:57 2024
 Response via : Initial Calibration

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

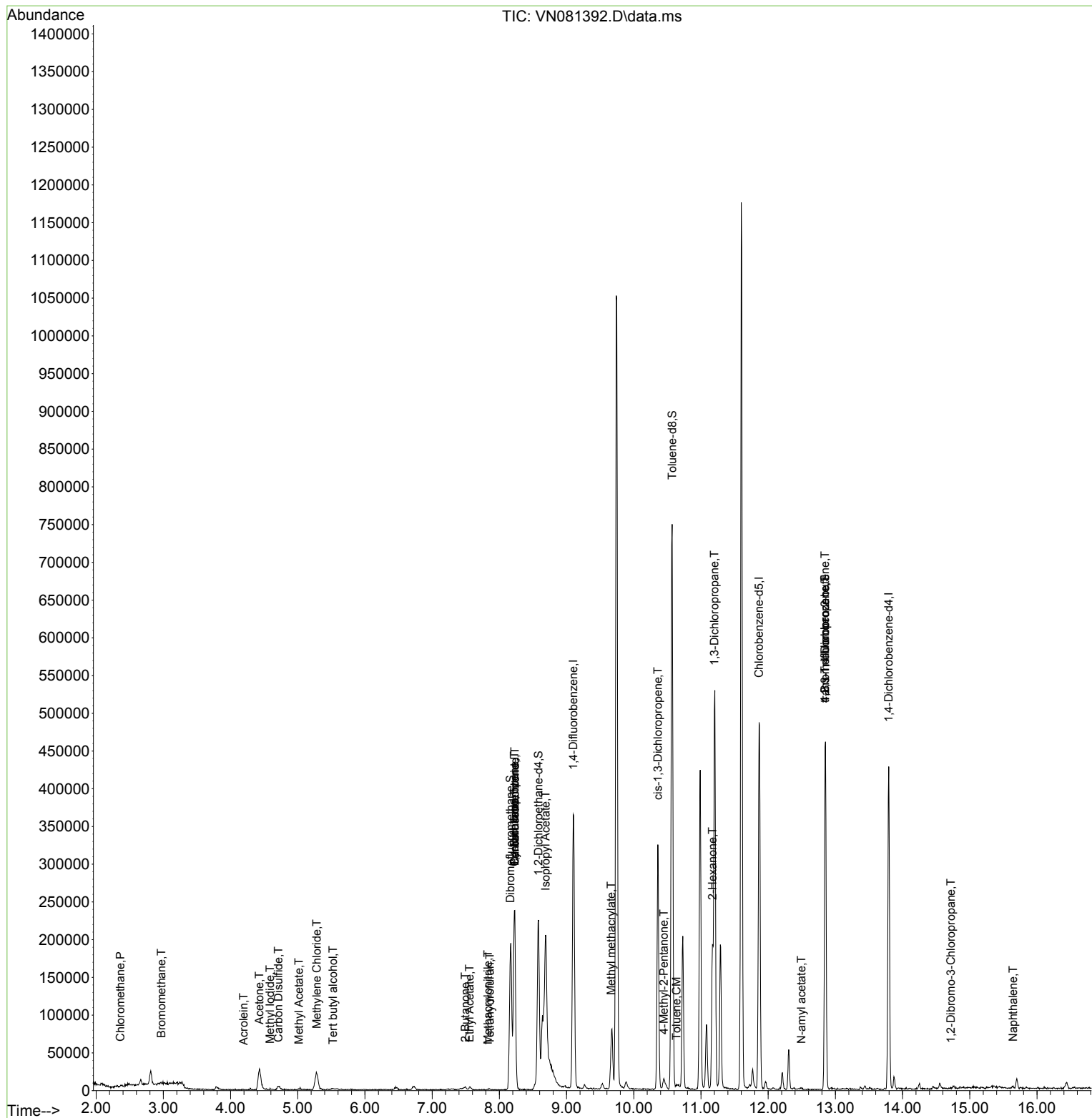
Internal Standards						
1) Pentafluorobenzene	8.230	168	160912	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	312847	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	282531	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	107515	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	184037	79.101	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 158.200%#		
35) Dibromofluoromethane	8.165	113	138492	72.255	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 144.520%#		
50) Toluene-d8	10.571	98	501665	70.015	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 140.020%#		
62) 4-Bromofluorobenzene	12.847	95	154606	61.050	ug/l	0.00
Spiked Amount	50.000	Range 64 - 133	Recovery	= 122.100%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	682	0.296	ug/l #	88
5) Bromomethane	2.971	94	1028	0.640	ug/l	90
10) Methyl Iodide	4.589	142	525	0.283	ug/l #	77
11) Tert butyl alcohol	5.524	59	1911	4.697	ug/l #	72
13) Acrolein	4.194	56	720	1.495	ug/l #	28
16) Acetone	4.430	43	52344	63.499	ug/l	95
17) Carbon Disulfide	4.712	76	1898	0.355	ug/l #	78
18) Methyl Acetate	5.018	43	3169	1.343	ug/l #	59
20) Methylene Chloride	5.283	84	17112	7.722	ug/l	94
25) 2-Butanone	7.494	43	5712	4.138	ug/l #	68
29) Tetrahydrofuran	7.859	42	1061	1.127	ug/l #	51
31) Cyclohexane	8.224	56	4832	1.372	ug/l #	42
36) 1,1-Dichloropropene	8.224	75	15480	5.006	ug/l #	51
37) Ethyl Acetate	7.559	43	5049	1.670	ug/l #	94
38) Carbon Tetrachloride	8.230	117	18586	5.972	ug/l #	17
41) Methacrylonitrile	7.830	41	563	0.330	ug/l #	22
43) Isopropyl Acetate	8.688	43	376112	71.089	ug/l #	74
48) Methyl methacrylate	9.665	41	5729	2.450	ug/l #	50
51) 4-Methyl-2-Pentanone	10.447	43	13851	4.509	ug/l #	80
52) Toluene	10.635	92	1443	0.259	ug/l	89
54) cis-1,3-Dichloropropene	10.359	75	55530	14.984	ug/l #	60
57) 1,3-Dichloropropane	11.200	76	5524	1.432	ug/l #	43
59) 2-Hexanone	11.171	43	160728	69.984	ug/l #	26
74) N-amyl acetate	12.494	43	842	0.231	ug/l #	52
76) 1,2,3-Trichloropropane	12.847	75	85937	33.840	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	85937	94.443	ug/l #	14
92) 1,2-Dibromo-3-Chloropr...	14.717	75	568	0.991	ug/l #	13
95) Naphthalene	15.647	128	2511	0.354	ug/l #	89

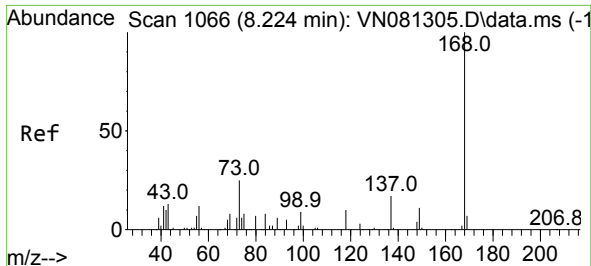
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

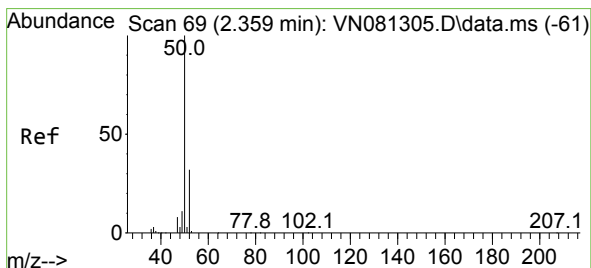
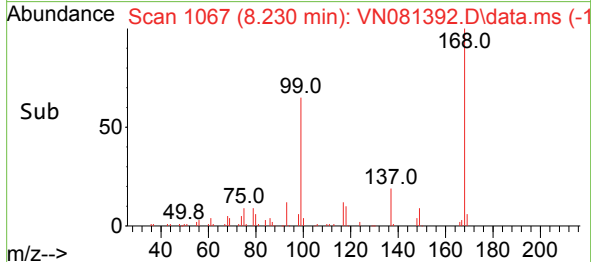
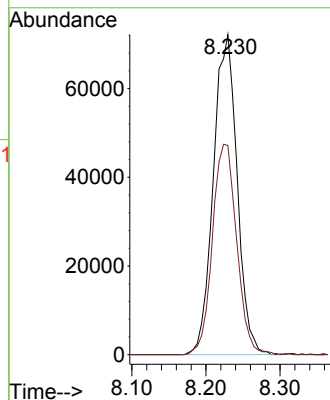
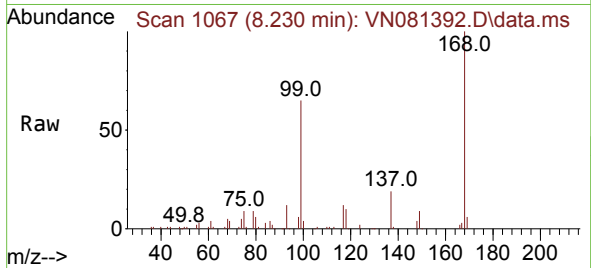




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN081392.D
Acq: 13 Mar 2024 14:19

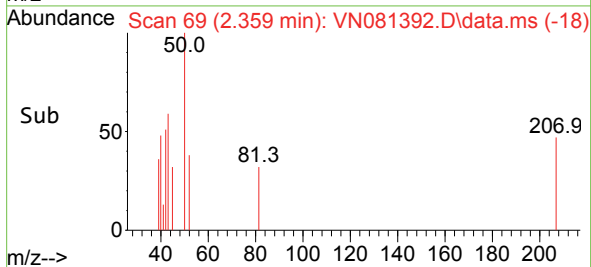
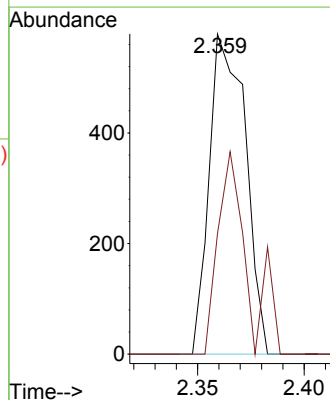
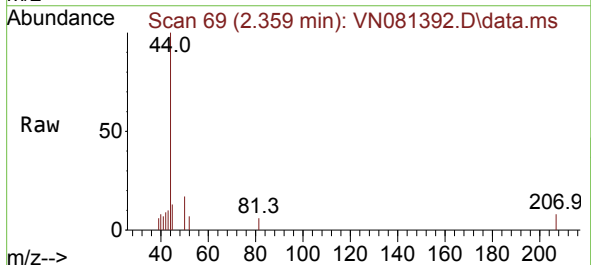
Instrument :
MSVOA_N
ClientSampleId :
RT-3860

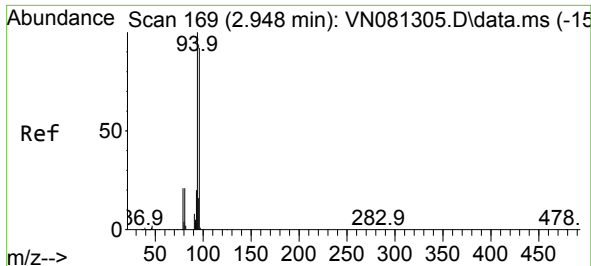
Tgt Ion:168 Resp: 160912
Ion Ratio Lower Upper
168 100
99 65.4 59.9 89.9



#3
Chloromethane
Concen: 0.296 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN081392.D
Acq: 13 Mar 2024 14:19

Tgt Ion: 50 Resp: 682
Ion Ratio Lower Upper
50 100
52 37.7 25.0 37.4#

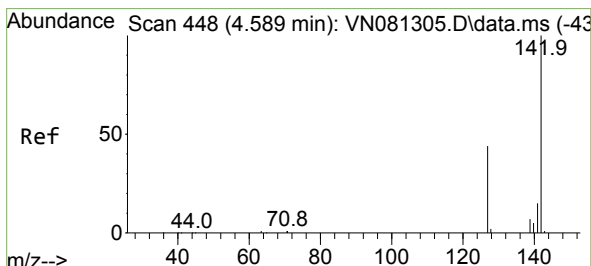
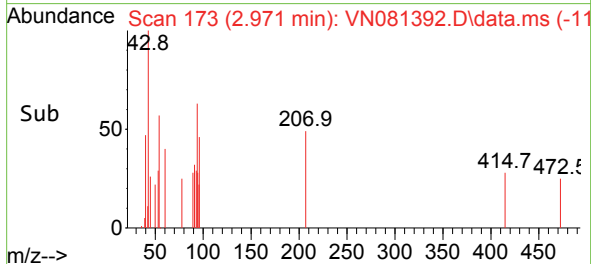
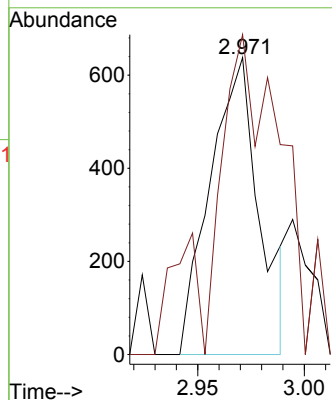
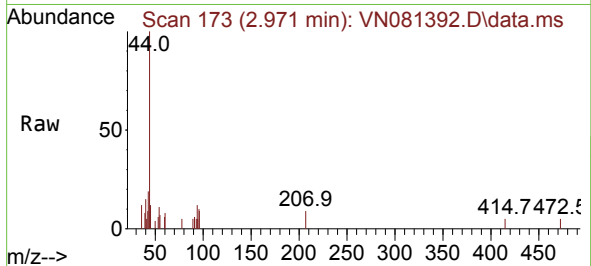




#5
Bromomethane
Concen: 0.640 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN081392.D
Acq: 13 Mar 2024 14:19

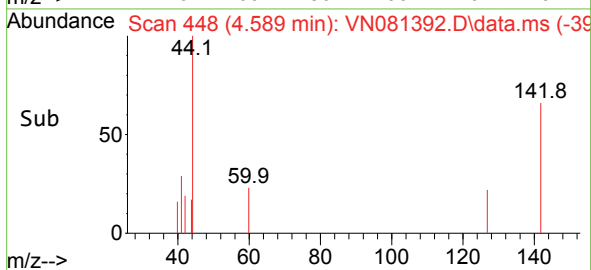
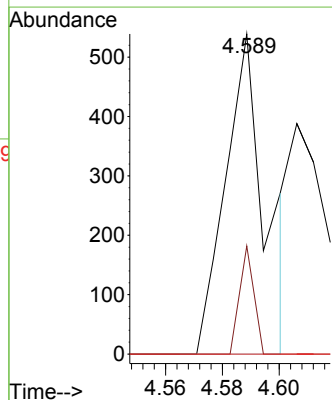
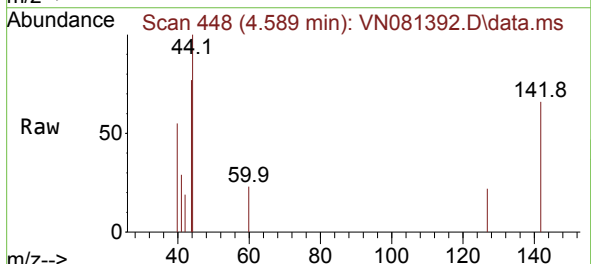
Instrument :
MSVOA_N
ClientSampleId :
RT-3860

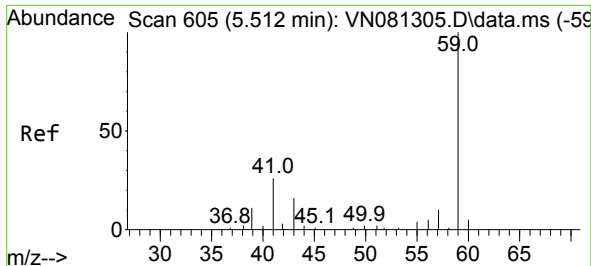
Tgt Ion: 94 Resp: 1028
Ion Ratio Lower Upper
94 100
96 77.1 69.2 103.8



#10
Methyl Iodide
Concen: 0.283 ug/l
RT: 4.589 min Scan# 448
Delta R.T. -0.000 min
Lab File: VN081392.D
Acq: 13 Mar 2024 14:19

Tgt Ion: 142 Resp: 525
Ion Ratio Lower Upper
142 100
127 33.8 37.0 55.4#
141 0.0 12.5 18.7#

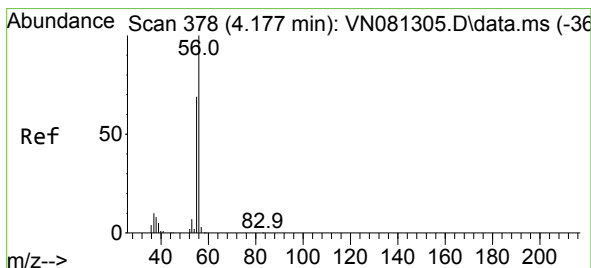
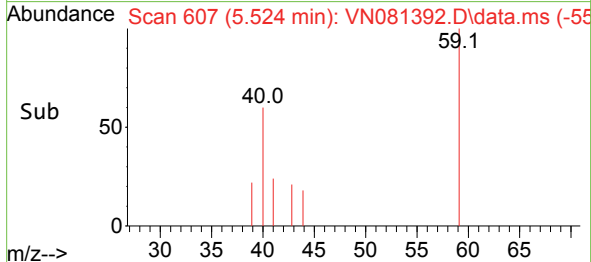
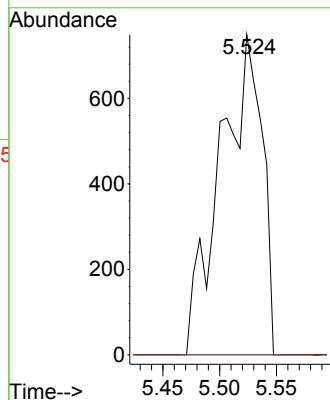
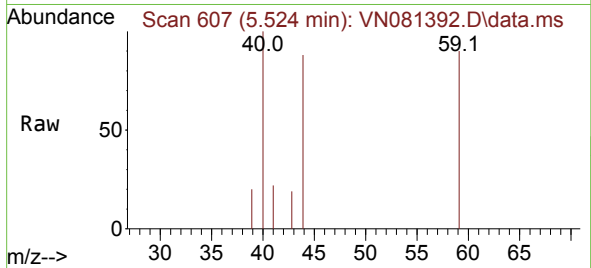




#11
Tert butyl alcohol
Concen: 4.697 ug/l
RT: 5.524 min Scan# 605
Delta R.T. 0.012 min
Lab File: VN081392.D
Acq: 13 Mar 2024 14:19

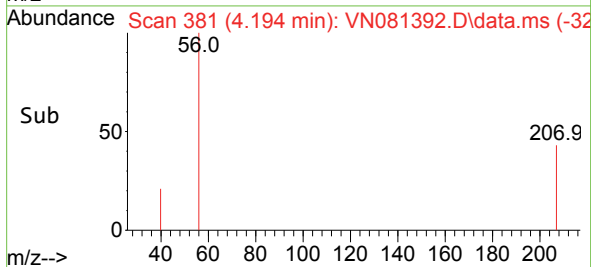
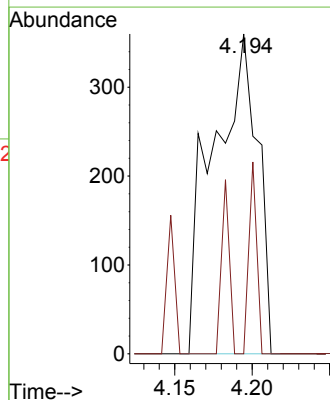
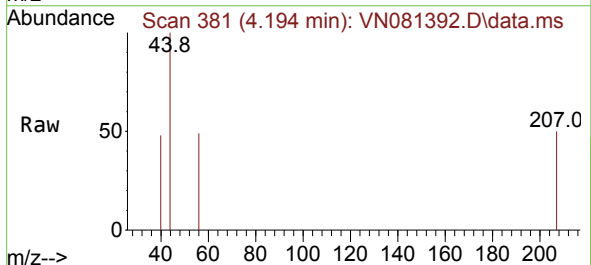
Instrument :
MSVOA_N
ClientSampleId :
RT-3860

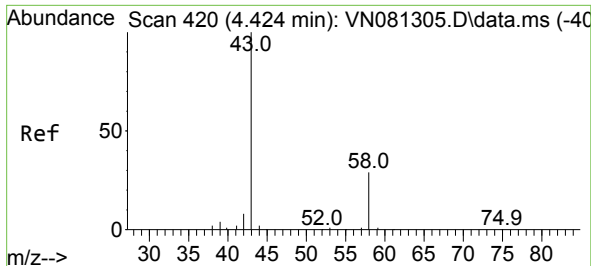
Tgt Ion: 59 Resp: 1911
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#



#13
Acrolein
Concen: 1.495 ug/l
RT: 4.194 min Scan# 381
Delta R.T. 0.018 min
Lab File: VN081392.D
Acq: 13 Mar 2024 14:19

Tgt Ion: 56 Resp: 720
Ion Ratio Lower Upper
56 100
55 10.6 55.3 82.9#





#16

Acetone

Concen: 63.499 ug/l

RT: 4.430 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN081392.D

Acq: 13 Mar 2024 14:19

Instrument :

MSVOA_N

ClientSampleId :

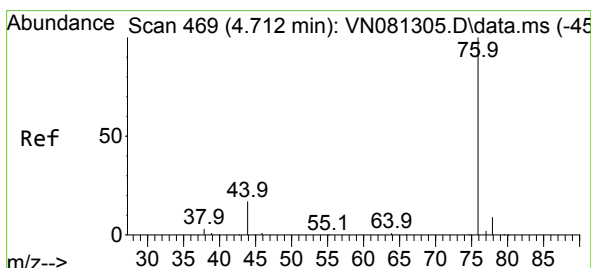
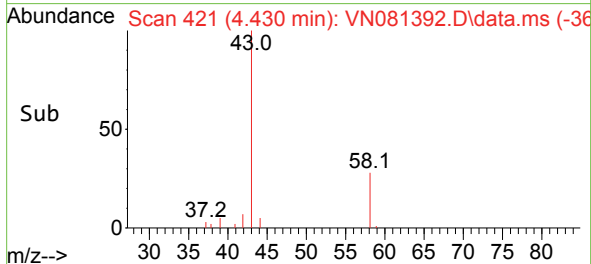
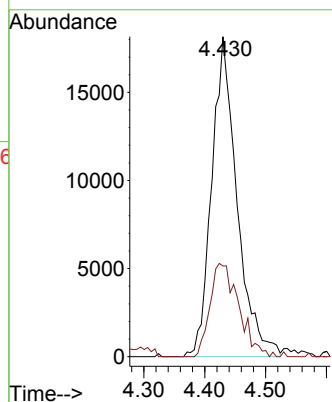
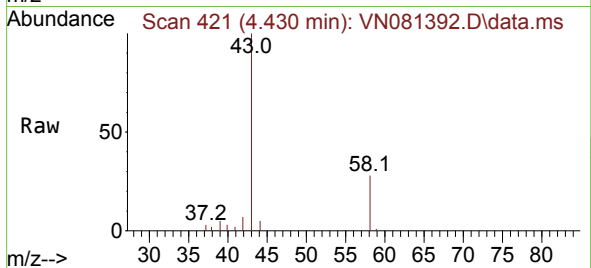
RT-3860

Tgt Ion: 43 Resp: 52344

Ion Ratio Lower Upper

43 100

58 28.3 24.8 37.2



#17

Carbon Disulfide

Concen: 0.355 ug/l

RT: 4.712 min Scan# 469

Delta R.T. -0.000 min

Lab File: VN081392.D

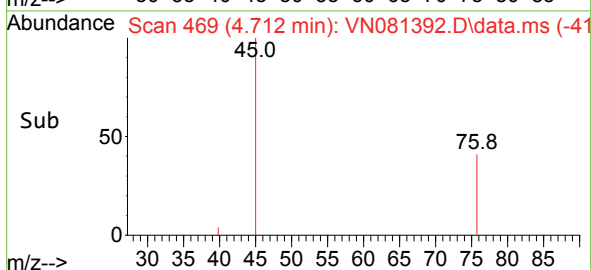
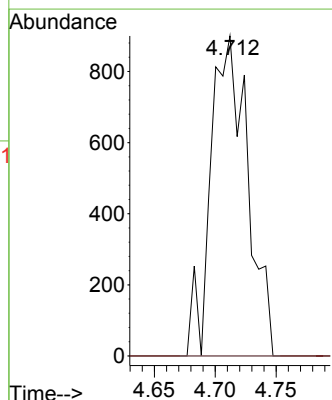
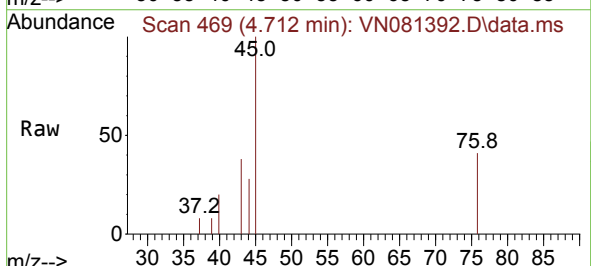
Acq: 13 Mar 2024 14:19

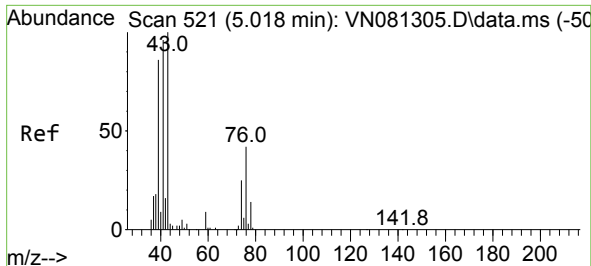
Tgt Ion: 76 Resp: 1898

Ion Ratio Lower Upper

76 100

78 0.0 6.3 9.5#

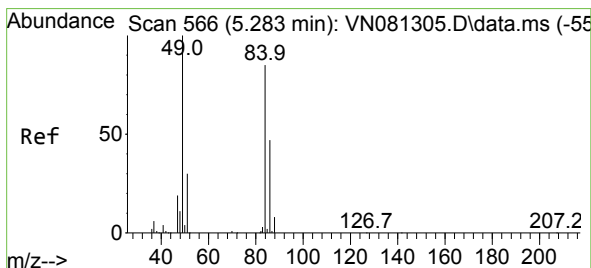
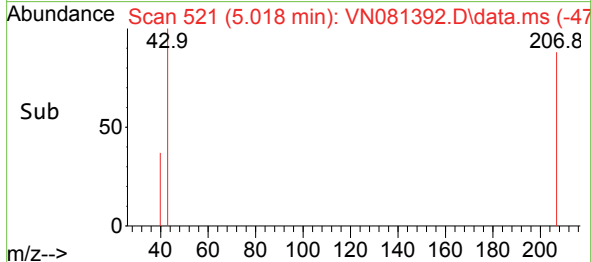
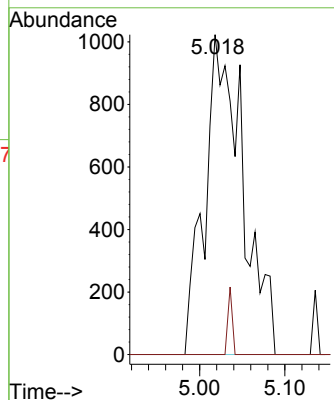
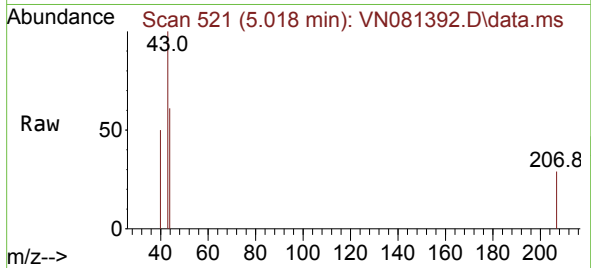




#18
Methyl Acetate
Concen: 1.343 ug/l
RT: 5.018 min Scan# 518
Delta R.T. -0.000 min
Lab File: VN081392.D
Acq: 13 Mar 2024 14:19

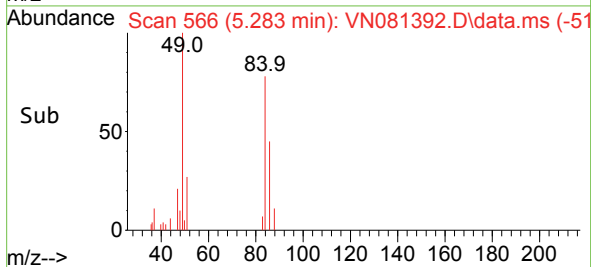
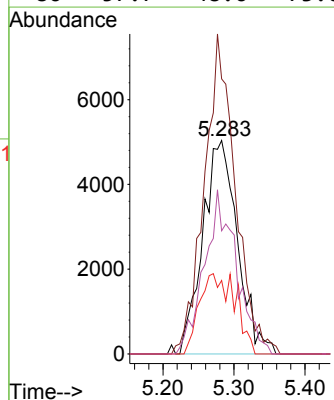
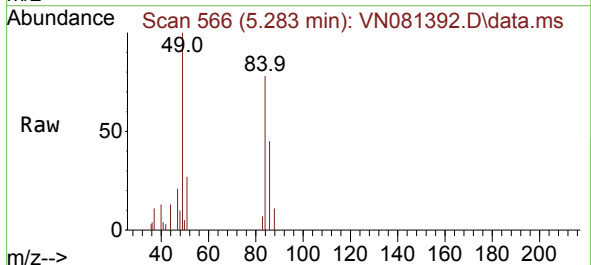
Instrument :
MSVOA_N
ClientSampleId :
RT-3860

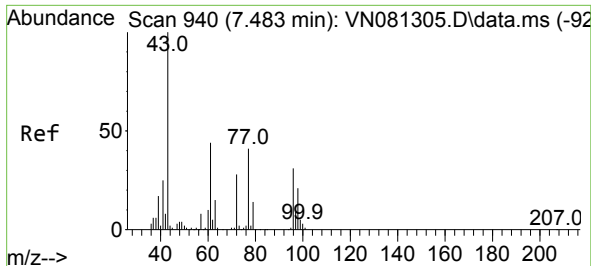
Tgt Ion: 43 Resp: 3169
Ion Ratio Lower Upper
43 100
74 2.4 17.3 25.9#



#20
Methylene Chloride
Concen: 7.722 ug/l
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN081392.D
Acq: 13 Mar 2024 14:19

Tgt Ion: 84 Resp: 17112
Ion Ratio Lower Upper
84 100
49 128.8 108.1 162.1
51 34.4 32.9 49.3
86 57.7 48.6 73.0

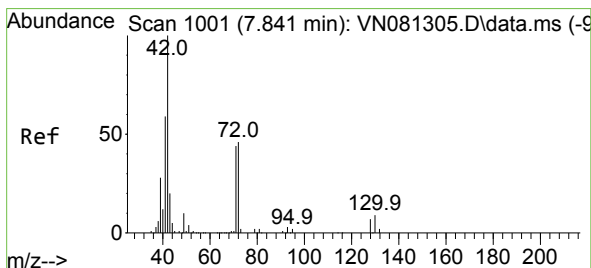
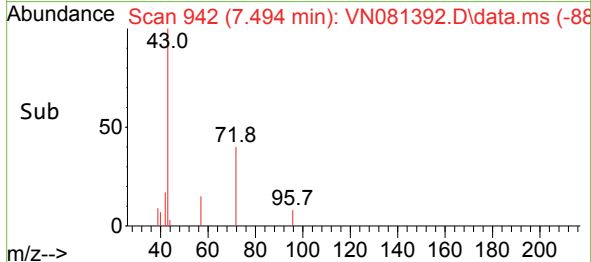
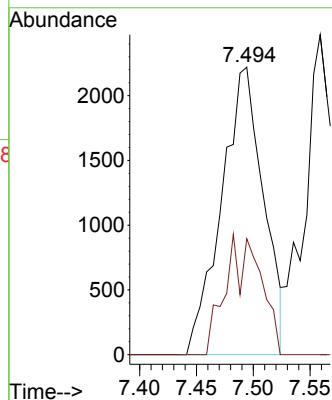
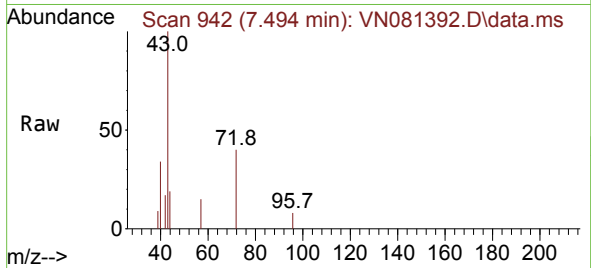




#25
2-Butanone
Concen: 4.138 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN081392.D
Acq: 13 Mar 2024 14:19

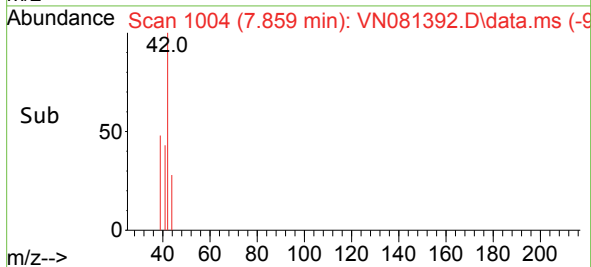
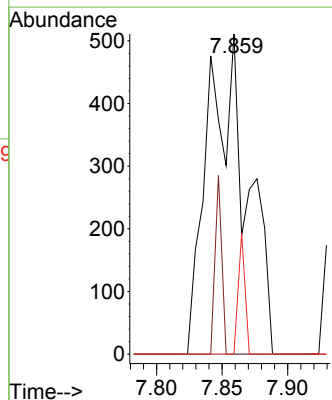
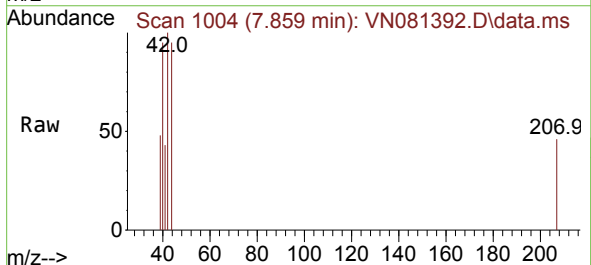
Instrument :
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RT-3860

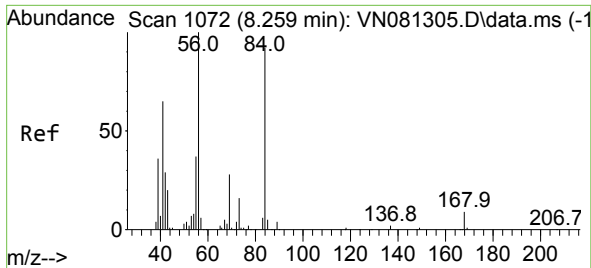
Tgt Ion: 43 Resp: 5712
Ion Ratio Lower Upper
43 100
72 40.4 19.5 29.3#



#29
Tetrahydrofuran
Concen: 1.127 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.018 min
Lab File: VN081392.D
Acq: 13 Mar 2024 14:19

Tgt Ion: 42 Resp: 1061
Ion Ratio Lower Upper
42 100
72 9.5 31.1 46.7#
71 6.4 28.3 42.5#

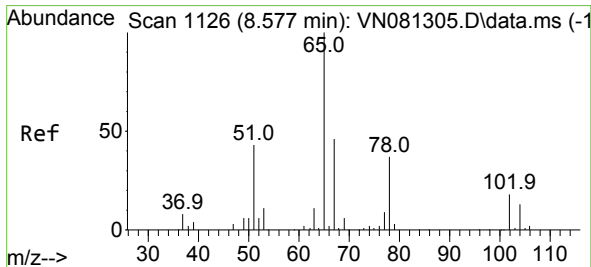
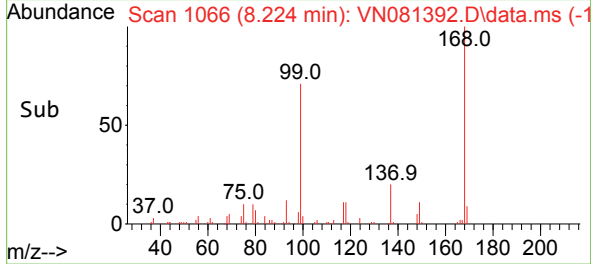
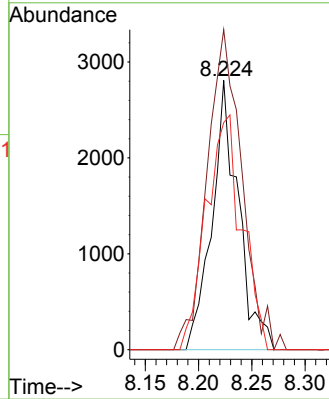
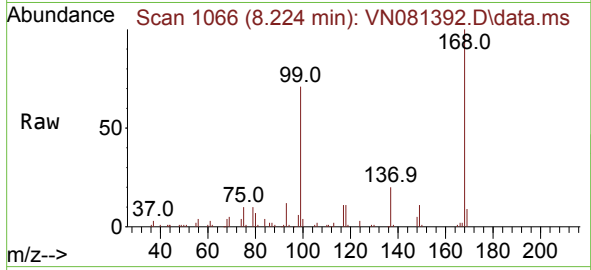




#31
Cyclohexane
Concen: 1.372 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN081392.D
Acq: 13 Mar 2024 14:19

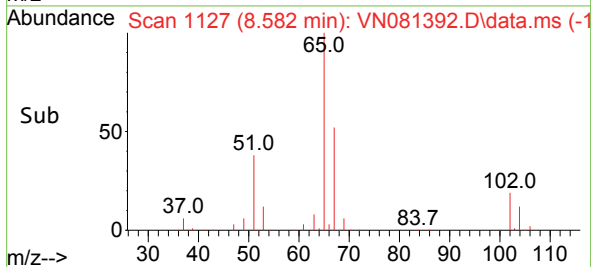
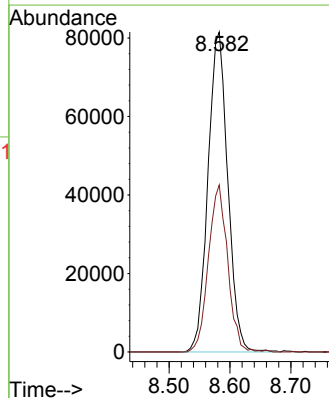
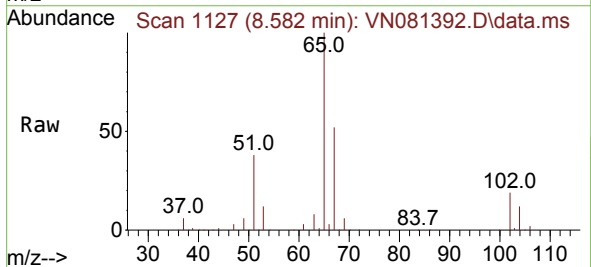
Instrument :
MSVOA_N
ClientSampleId :
RT-3860

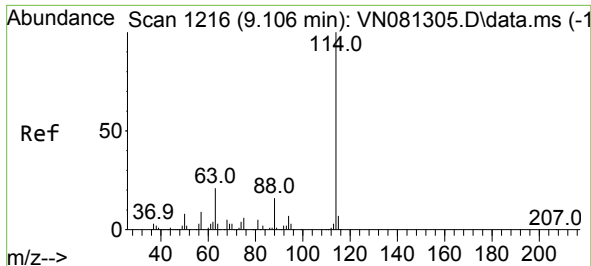
Tgt Ion: 56 Resp: 4832
Ion Ratio Lower Upper
56 100
69 113.2 20.1 30.1#
84 84.3 56.9 85.3



#33
1,2-Dichloroethane-d4
Concen: 79.101 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081392.D
Acq: 13 Mar 2024 14:19

Tgt Ion: 65 Resp: 184037
Ion Ratio Lower Upper
65 100
67 50.8 0.0 102.4

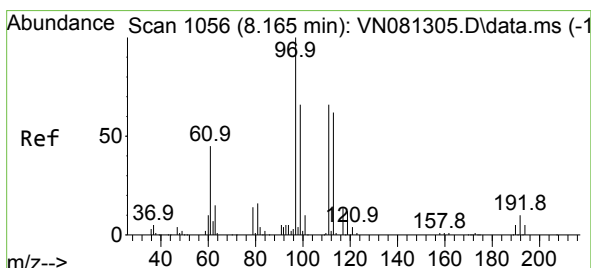
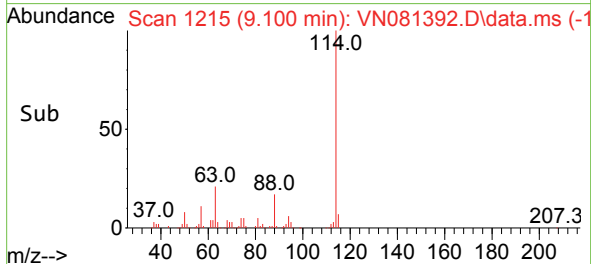
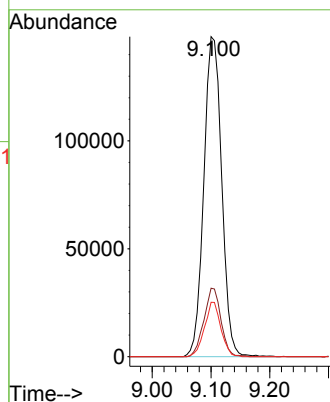
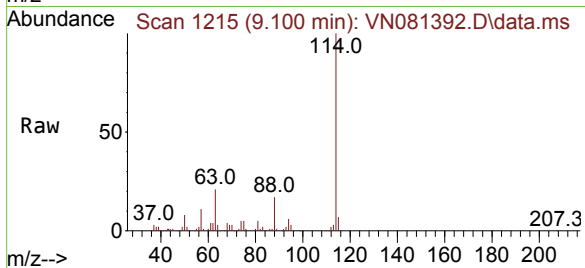




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN081392.D
Acq: 13 Mar 2024 14:19

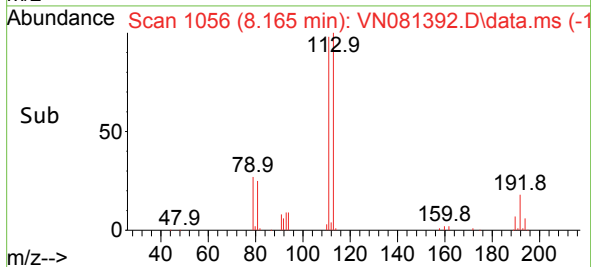
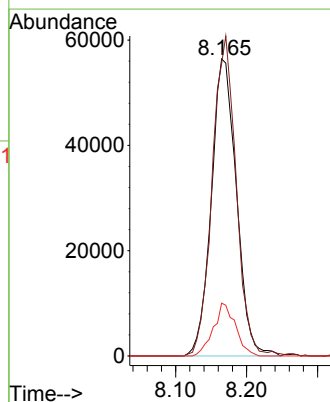
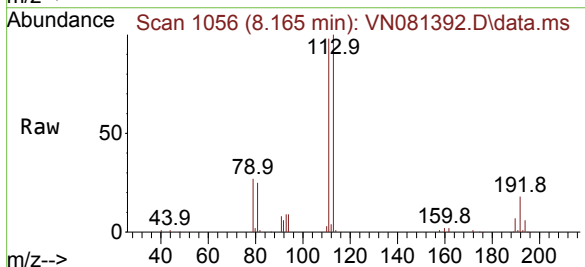
Instrument :
MSVOA_N
ClientSampleId :
RT-3860

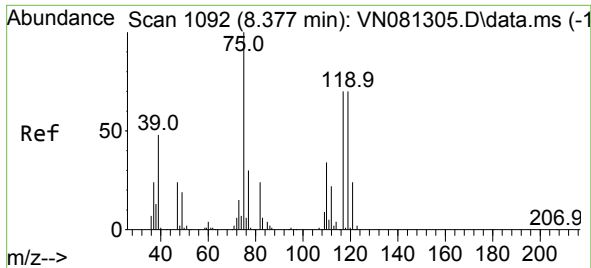
Tgt Ion:114 Resp: 312847
Ion Ratio Lower Upper
114 100
63 21.4 0.0 48.0
88 17.0 0.0 34.8



#35
Dibromofluoromethane
Concen: 72.255 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN081392.D
Acq: 13 Mar 2024 14:19

Tgt Ion:113 Resp: 138492
Ion Ratio Lower Upper
113 100
111 102.4 82.2 123.4
192 15.6 12.5 18.7

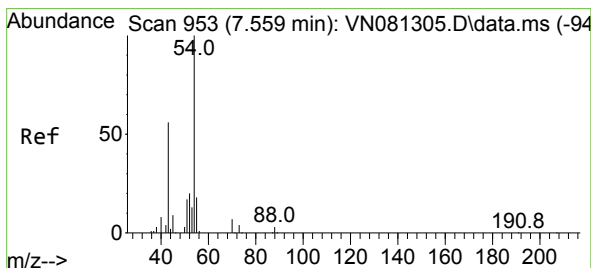
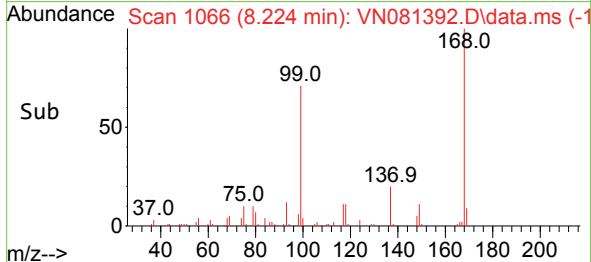
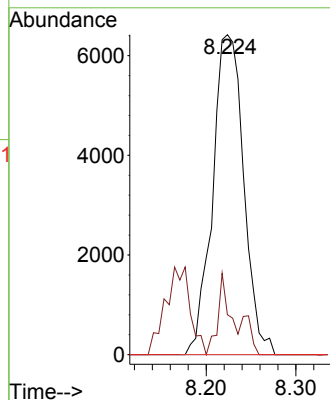
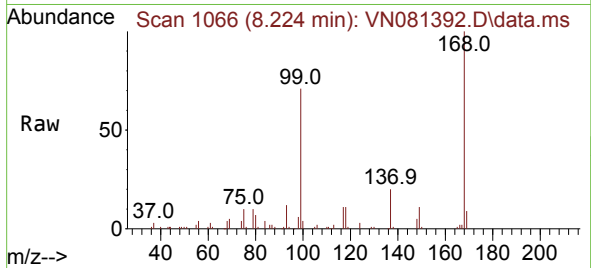




#36
1,1-Dichloropropene
Concen: 5.006 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN081392.D
Acq: 13 Mar 2024 14:19

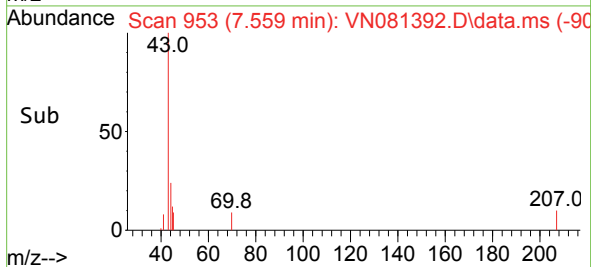
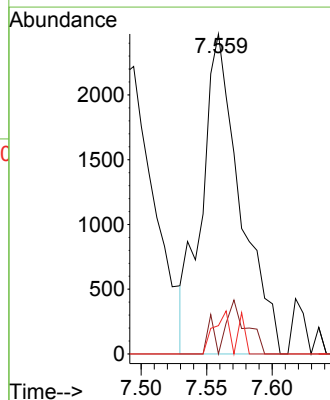
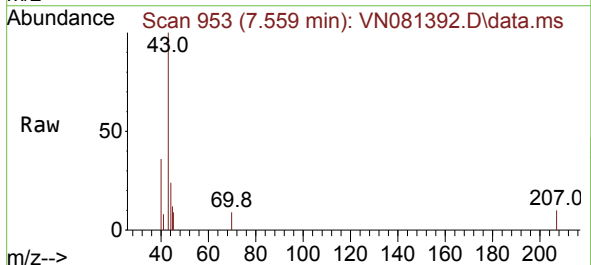
Instrument :
MSVOA_N
ClientSampleId :
RT-3860

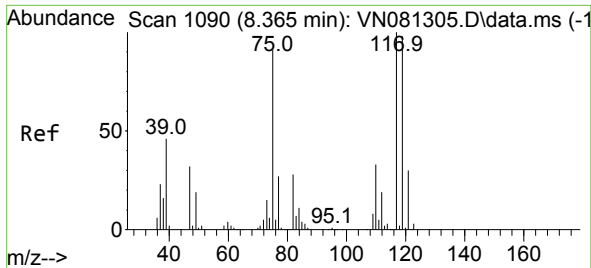
Tgt Ion: 75 Resp: 15480
Ion Ratio Lower Upper
75 100
110 9.9 16.0 48.0#
77 0.0 25.8 38.6#



#37
Ethyl Acetate
Concen: 1.670 ug/l
RT: 7.559 min Scan# 953
Delta R.T. -0.000 min
Lab File: VN081392.D
Acq: 13 Mar 2024 14:19

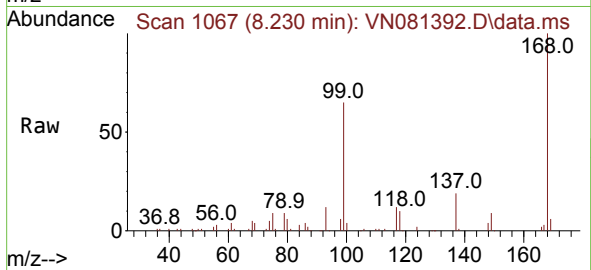
Tgt Ion: 43 Resp: 5049
Ion Ratio Lower Upper
43 100
61 10.8 10.6 15.8
70 7.5 8.0 12.0#



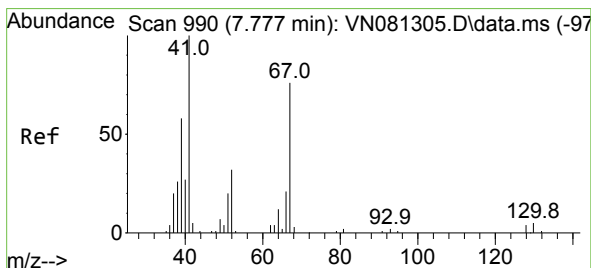
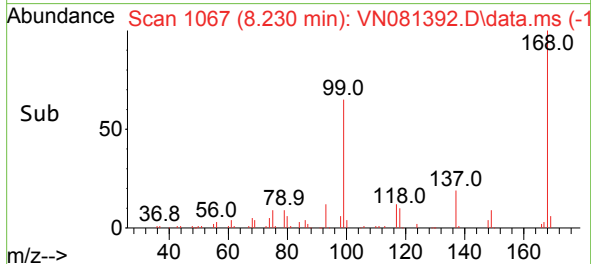
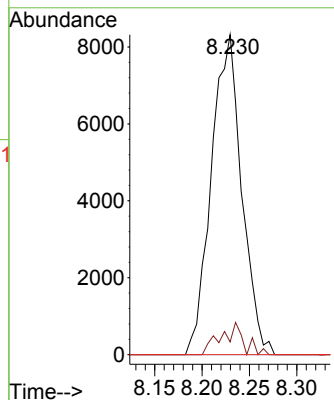


#38
Carbon Tetrachloride
Concen: 5.972 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN081392.D
Acq: 13 Mar 2024 14:19

Instrument :
MSVOA_N
ClientSampleId :
RT-3860

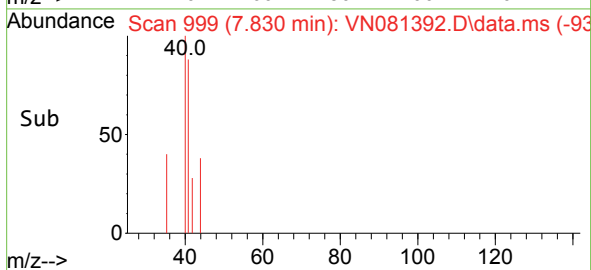
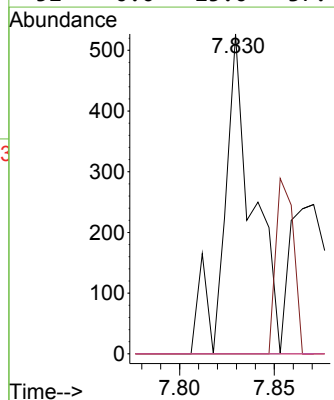
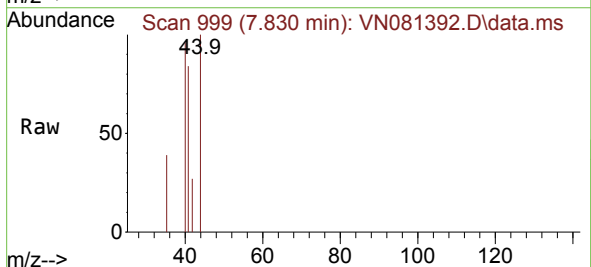


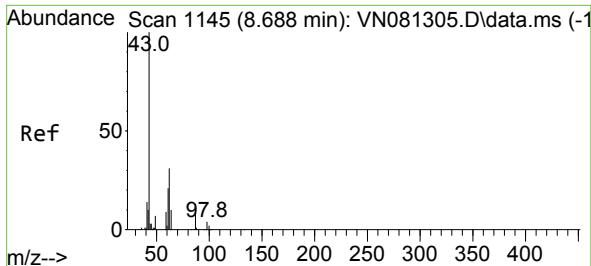
Tgt Ion:117 Resp: 18586
Ion Ratio Lower Upper
117 100
119 4.0 73.4 110.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 0.330 ug/l
RT: 7.830 min Scan# 999
Delta R.T. 0.053 min
Lab File: VN081392.D
Acq: 13 Mar 2024 14:19

Tgt Ion: 41 Resp: 563
Ion Ratio Lower Upper
41 100
39 0.0 48.4 72.6#
67 0.0 56.8 85.2#
52 0.0 25.0 37.4#

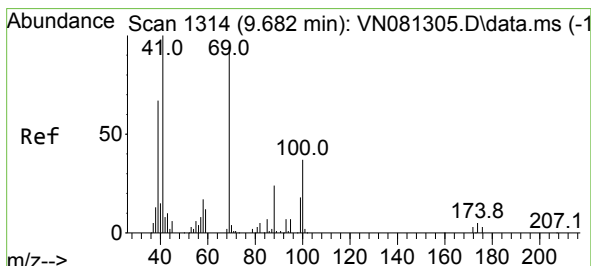
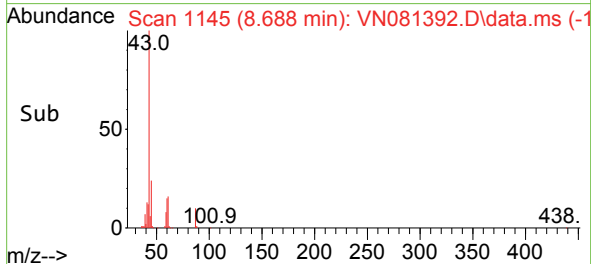
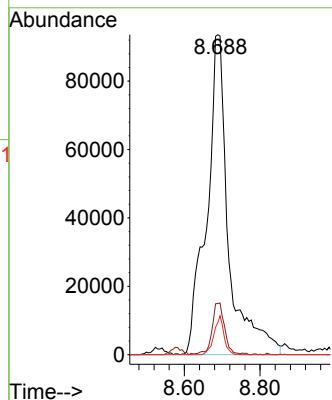
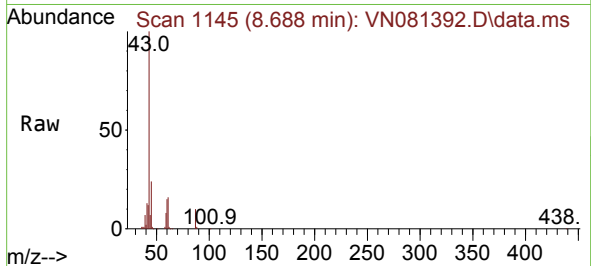




#43
Isopropyl Acetate
Concen: 71.089 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.000 min
Lab File: VN081392.D
Acq: 13 Mar 2024 14:19

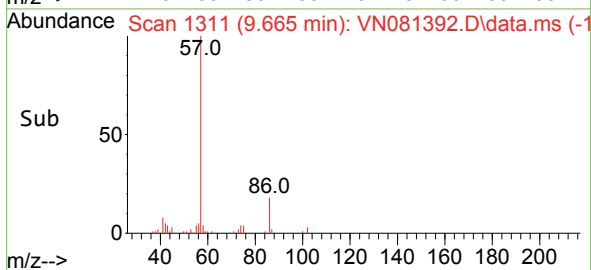
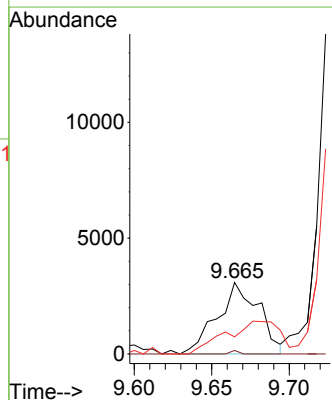
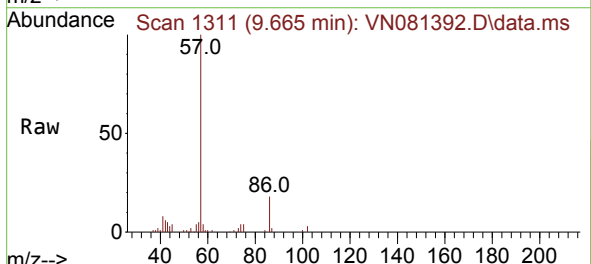
Instrument :
MSVOA_N
ClientSampleId :
RT-3860

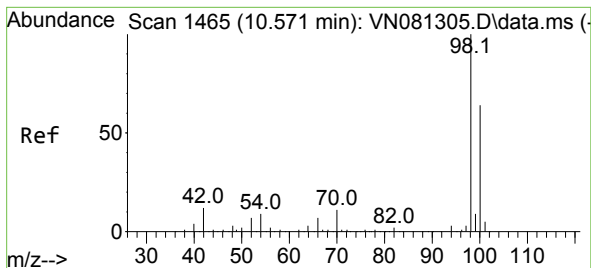
Tgt Ion: 43 Resp: 376112
Ion Ratio Lower Upper
43 100
61 9.1 19.9 29.9#
87 5.4 9.0 13.6#



#48
Methyl methacrylate
Concen: 2.450 ug/l
RT: 9.665 min Scan# 1311
Delta R.T. -0.018 min
Lab File: VN081392.D
Acq: 13 Mar 2024 14:19

Tgt Ion: 41 Resp: 5729
Ion Ratio Lower Upper
41 100
69 0.9 62.2 93.2#
39 60.2 47.6 71.4





#50

Toluene-d8

Concen: 70.015 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN081392.D

Acq: 13 Mar 2024 14:19

Instrument :

MSVOA_N

ClientSampleId :

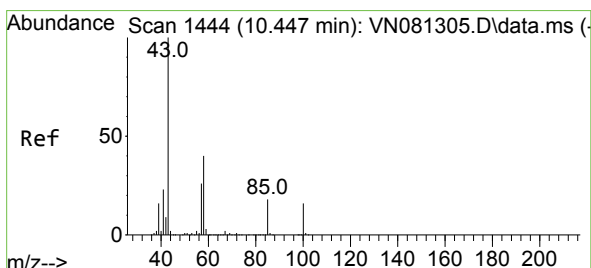
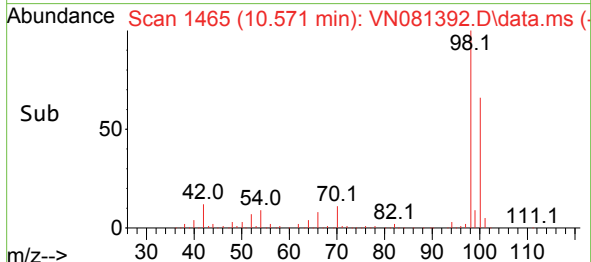
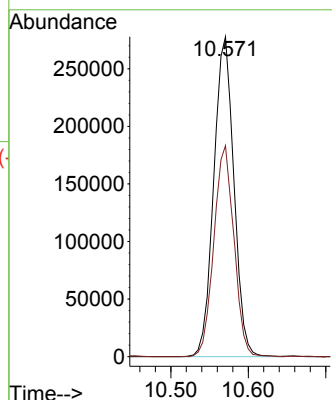
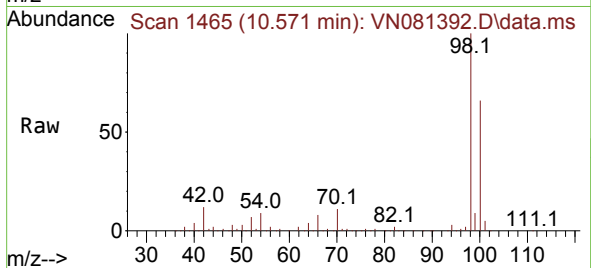
RT-3860

Tgt Ion: 98 Resp: 501665

Ion Ratio Lower Upper

98 100

100 65.8 51.4 77.0



#51

4-Methyl-2-Pentanone

Concen: 4.509 ug/l

RT: 10.447 min Scan# 1444

Delta R.T. -0.000 min

Lab File: VN081392.D

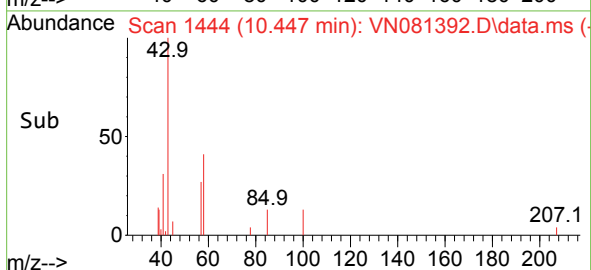
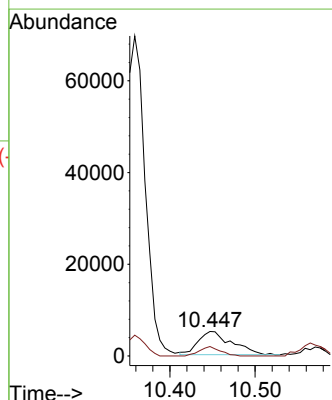
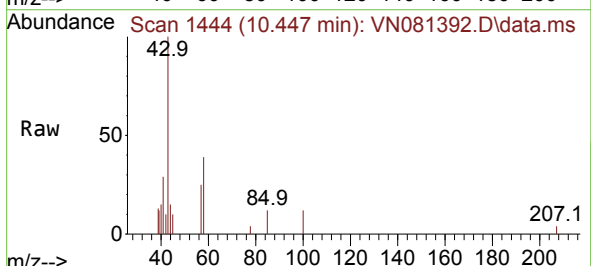
Acq: 13 Mar 2024 14:19

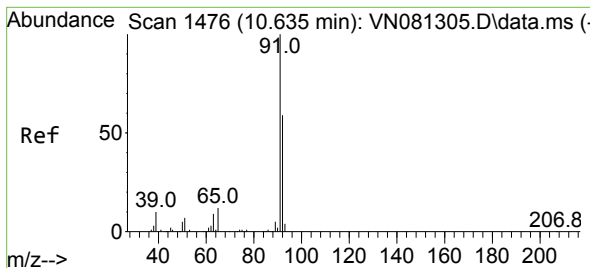
Tgt Ion: 43 Resp: 13851

Ion Ratio Lower Upper

43 100

58 24.9 29.4 44.0#





#52

Toluene

Concen: 0.259 ug/l

RT: 10.635 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VN081392.D

Acq: 13 Mar 2024 14:19

Instrument :

MSVOA_N

ClientSampleId :

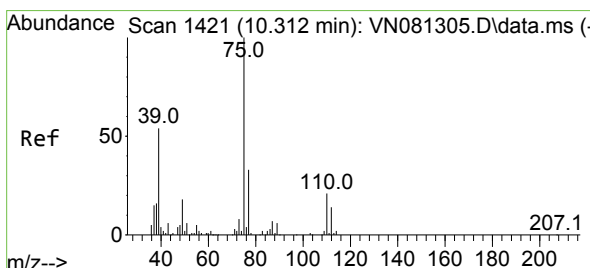
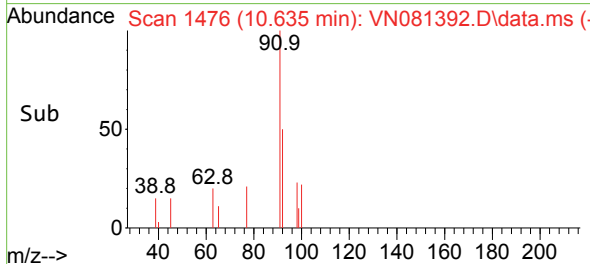
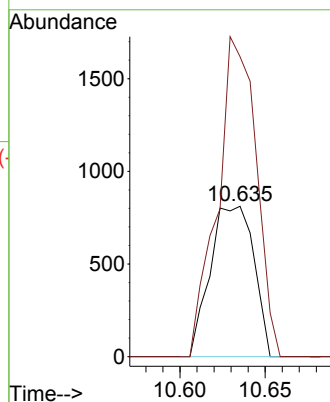
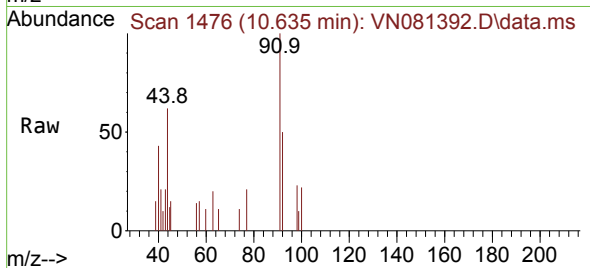
RT-3860

Tgt Ion: 92 Resp: 1443

Ion Ratio Lower Upper

92 100

91 189.1 139.4 209.0



#54

cis-1,3-Dichloropropene

Concen: 14.984 ug/l

RT: 10.359 min Scan# 1429

Delta R.T. 0.047 min

Lab File: VN081392.D

Acq: 13 Mar 2024 14:19

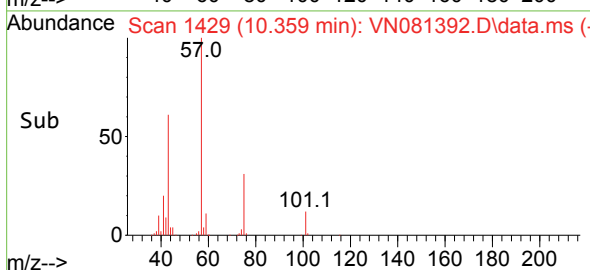
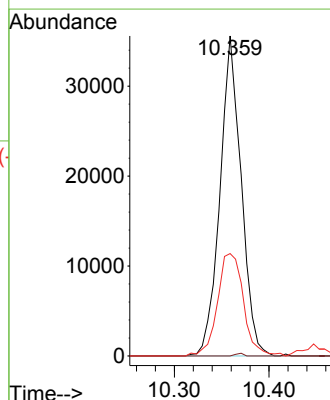
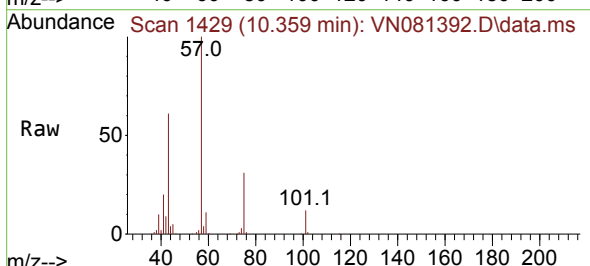
Tgt Ion: 75 Resp: 55530

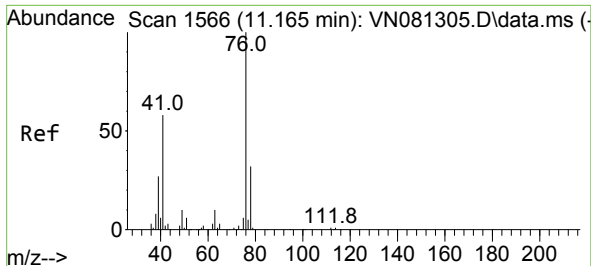
Ion Ratio Lower Upper

75 100

77 0.0 23.3 34.9#

39 32.0 44.6 66.8#

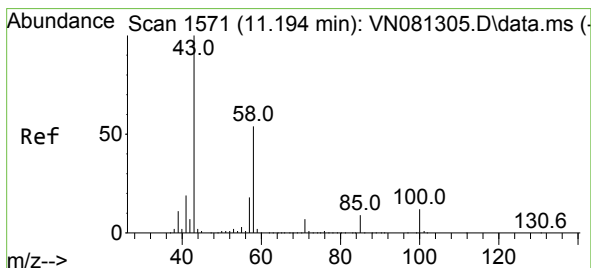
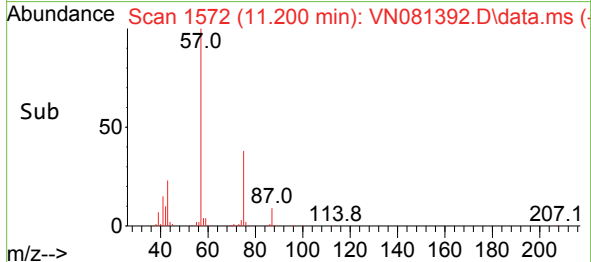
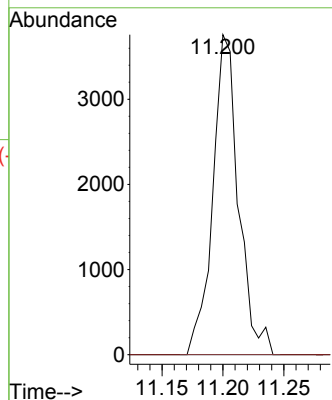
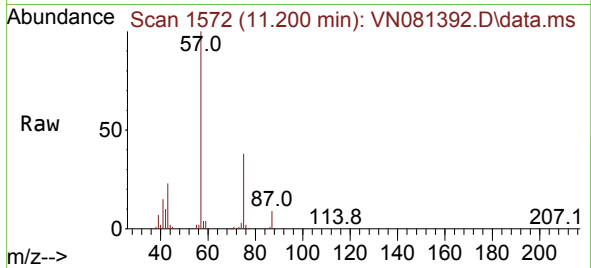




#57
1,3-Dichloropropane
Concen: 1.432 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN081392.D
Acq: 13 Mar 2024 14:19

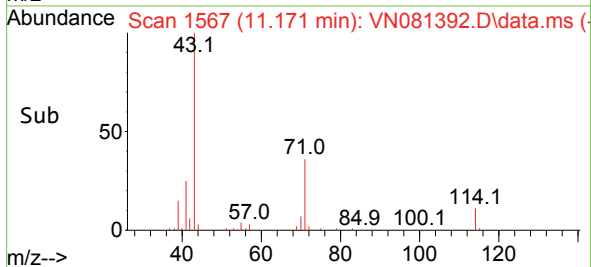
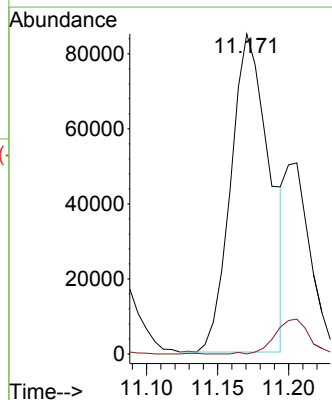
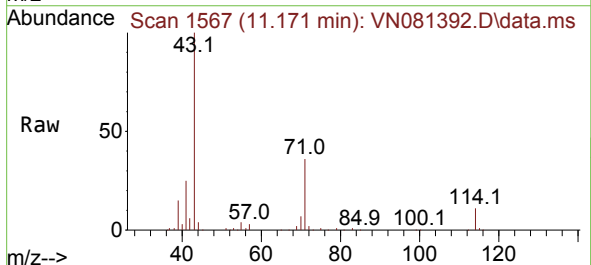
Instrument :
MSVOA_N
ClientSampleId :
RT-3860

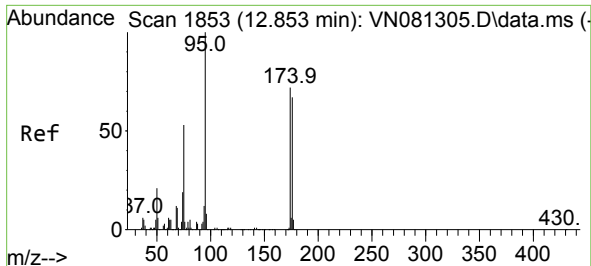
Tgt Ion: 76 Resp: 5524
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#



#59
2-Hexanone
Concen: 69.984 ug/l
RT: 11.171 min Scan# 1567
Delta R.T. -0.024 min
Lab File: VN081392.D
Acq: 13 Mar 2024 14:19

Tgt Ion: 43 Resp: 160728
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#

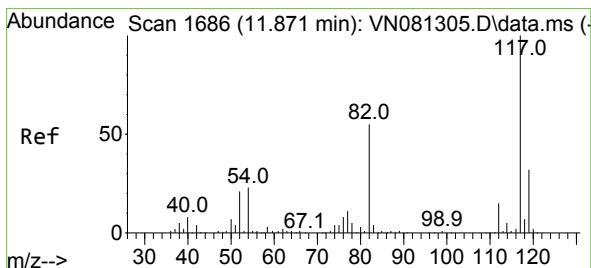
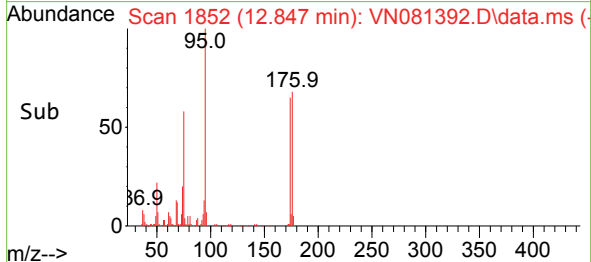
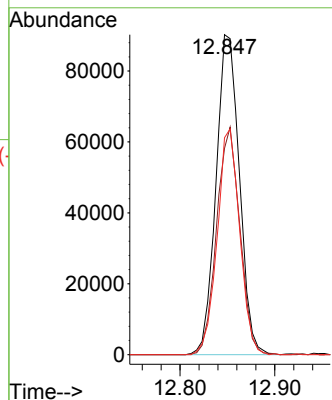
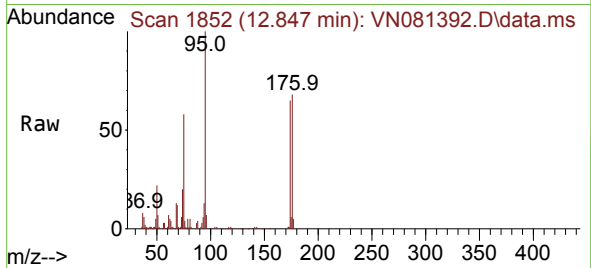




#62
4-Bromofluorobenzene
Concen: 61.050 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN081392.D
Acq: 13 Mar 2024 14:19

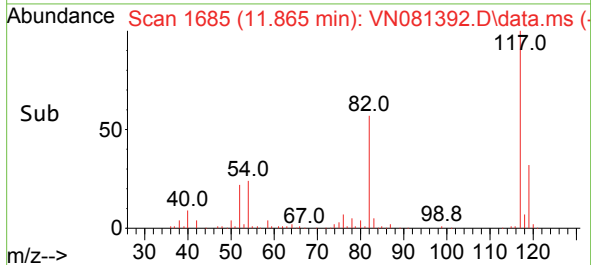
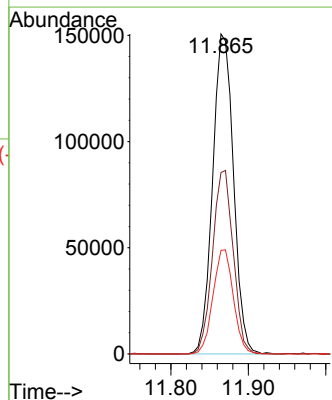
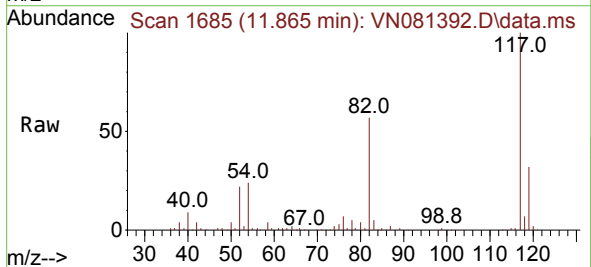
Instrument :
MSVOA_N
ClientSampleId :
RT-3860

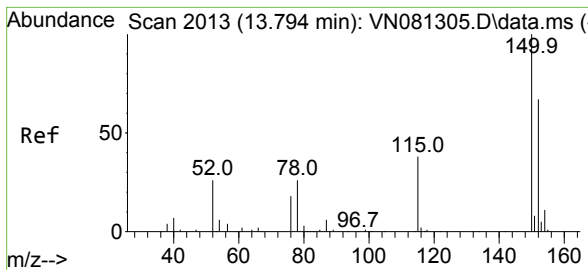
Tgt Ion: 95 Resp: 154606
Ion Ratio Lower Upper
95 100
174 70.6 0.0 120.4
176 67.9 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VN081392.D
Acq: 13 Mar 2024 14:19

Tgt Ion: 117 Resp: 282531
Ion Ratio Lower Upper
117 100
82 56.7 52.7 79.1
119 32.4 25.3 37.9

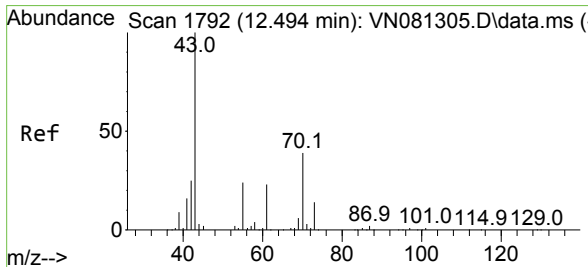
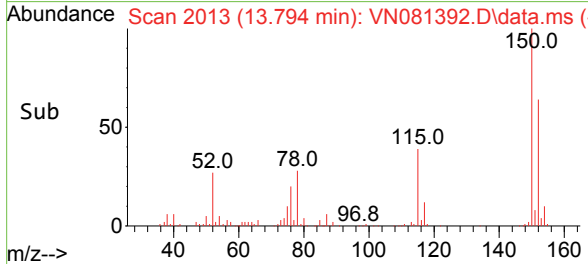
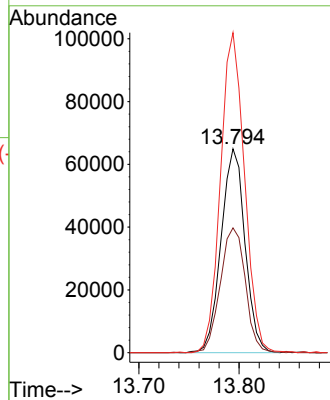
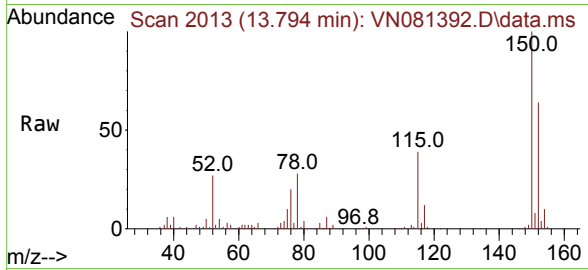




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN081392.D
Acq: 13 Mar 2024 14:19

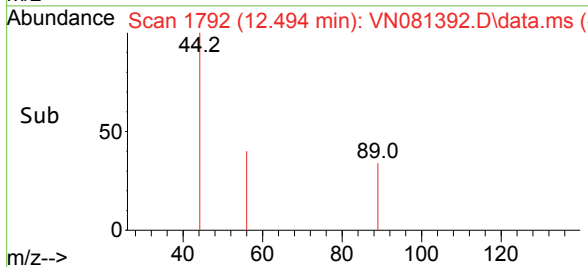
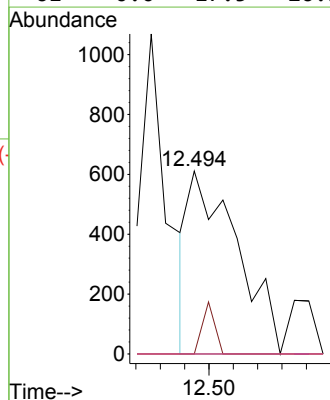
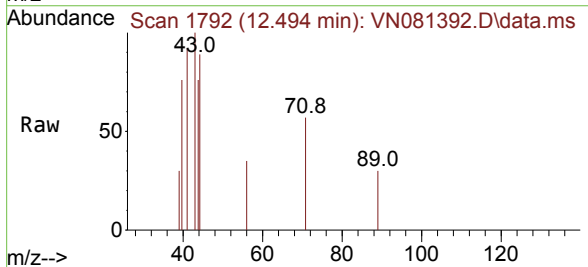
Instrument :
MSVOA_N
ClientSampleId :
RT-3860

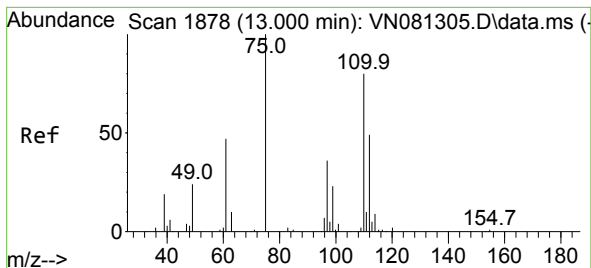
Tgt Ion:152 Resp: 107515
Ion Ratio Lower Upper
152 100
115 64.2 32.3 96.8
150 157.4 0.0 339.8



#74
N-ethyl acetate
Concen: 0.231 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN081392.D
Acq: 13 Mar 2024 14:19

Tgt Ion: 43 Resp: 842
Ion Ratio Lower Upper
43 100
70 7.2 30.1 45.1#
55 0.0 17.0 25.4#
61 0.0 17.5 26.3#





#76

1,2,3-Trichloropropane

Concen: 33.840 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.153 min

Lab File: VN081392.D

Acq: 13 Mar 2024 14:19

Instrument :

MSVOA_N

ClientSampleId :

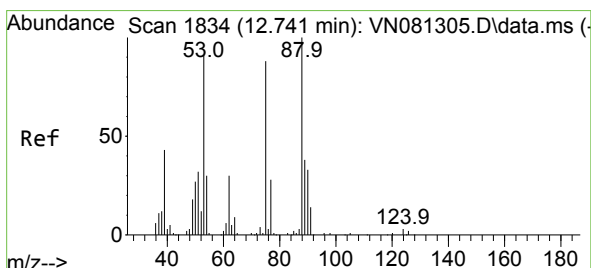
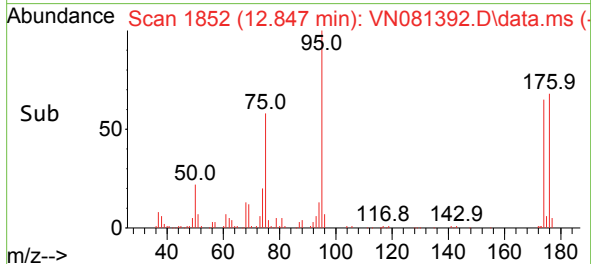
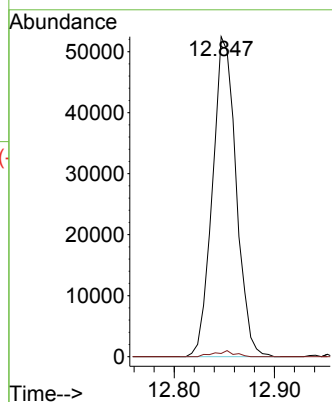
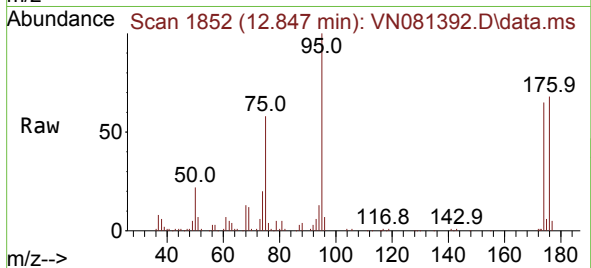
RT-3860

Tgt Ion: 75 Resp: 85937

Ion Ratio Lower Upper

75 100

77 1.6 91.0 272.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 94.443 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.106 min

Lab File: VN081392.D

Acq: 13 Mar 2024 14:19

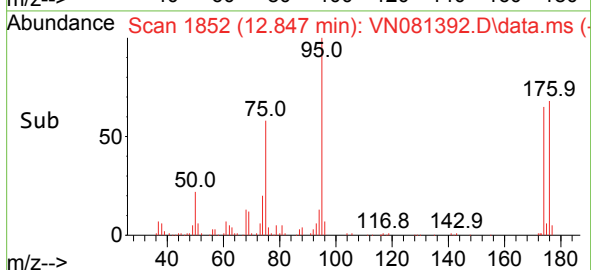
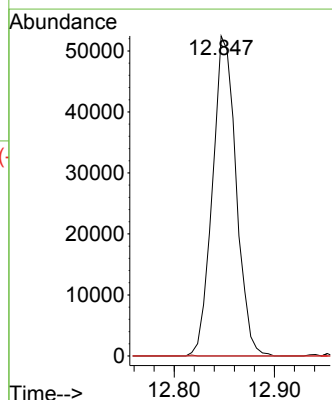
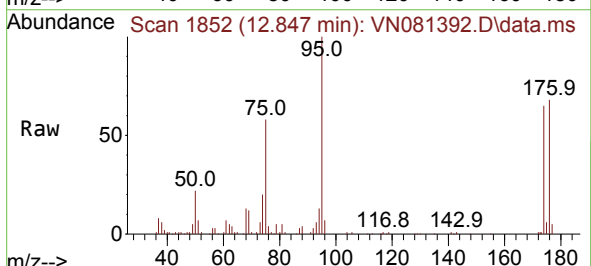
Tgt Ion: 75 Resp: 85937

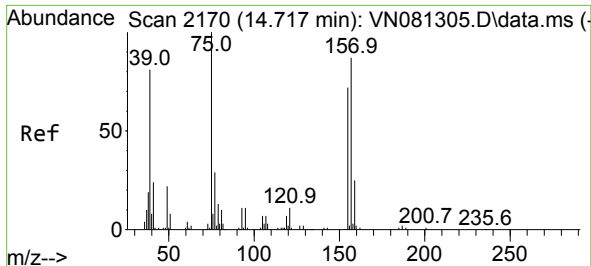
Ion Ratio Lower Upper

75 100

53 0.0 71.4 107.2#

89 0.0 33.4 50.0#

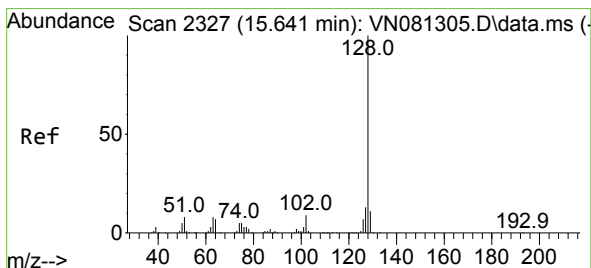
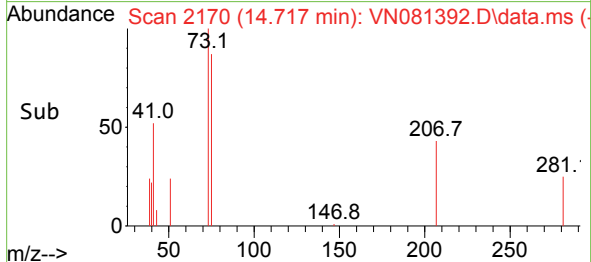
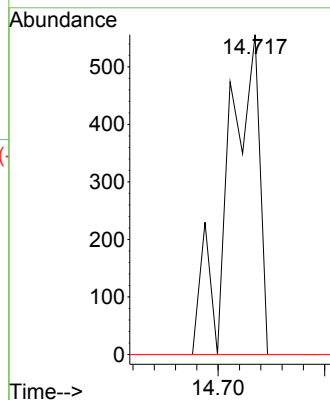
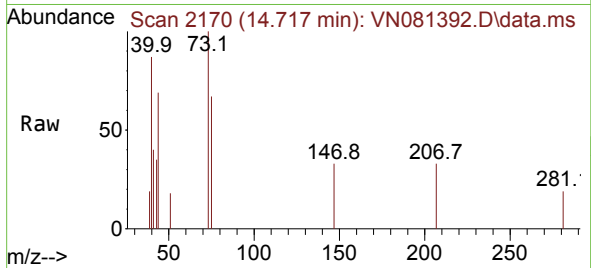




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.991 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.000 min
Lab File: VN081392.D
Acq: 13 Mar 2024 14:19

Instrument :
MSVOA_N
ClientSampleId :
RT-3860

Tgt Ion: 75 Resp: 568
Ion Ratio Lower Upper
75 100
155 0.0 31.8 95.4#
157 0.0 41.1 123.4#



#95
Naphthalene
Concen: 0.354 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. 0.006 min
Lab File: VN081392.D
Acq: 13 Mar 2024 14:19

Tgt Ion: 128 Resp: 2511
Ion Ratio Lower Upper
128 100
127 12.7 10.0 15.0
129 2.5 8.7 13.1#

