

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020524\
 Data File : VN080914.D
 Acq On : 05 Feb 2024 22:14
 Operator : JC\MD
 Sample : P1367-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EB-5-0-2

Quant Time: Feb 06 04:50:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 29 12:54:23 2024
 Response via : Initial Calibration

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

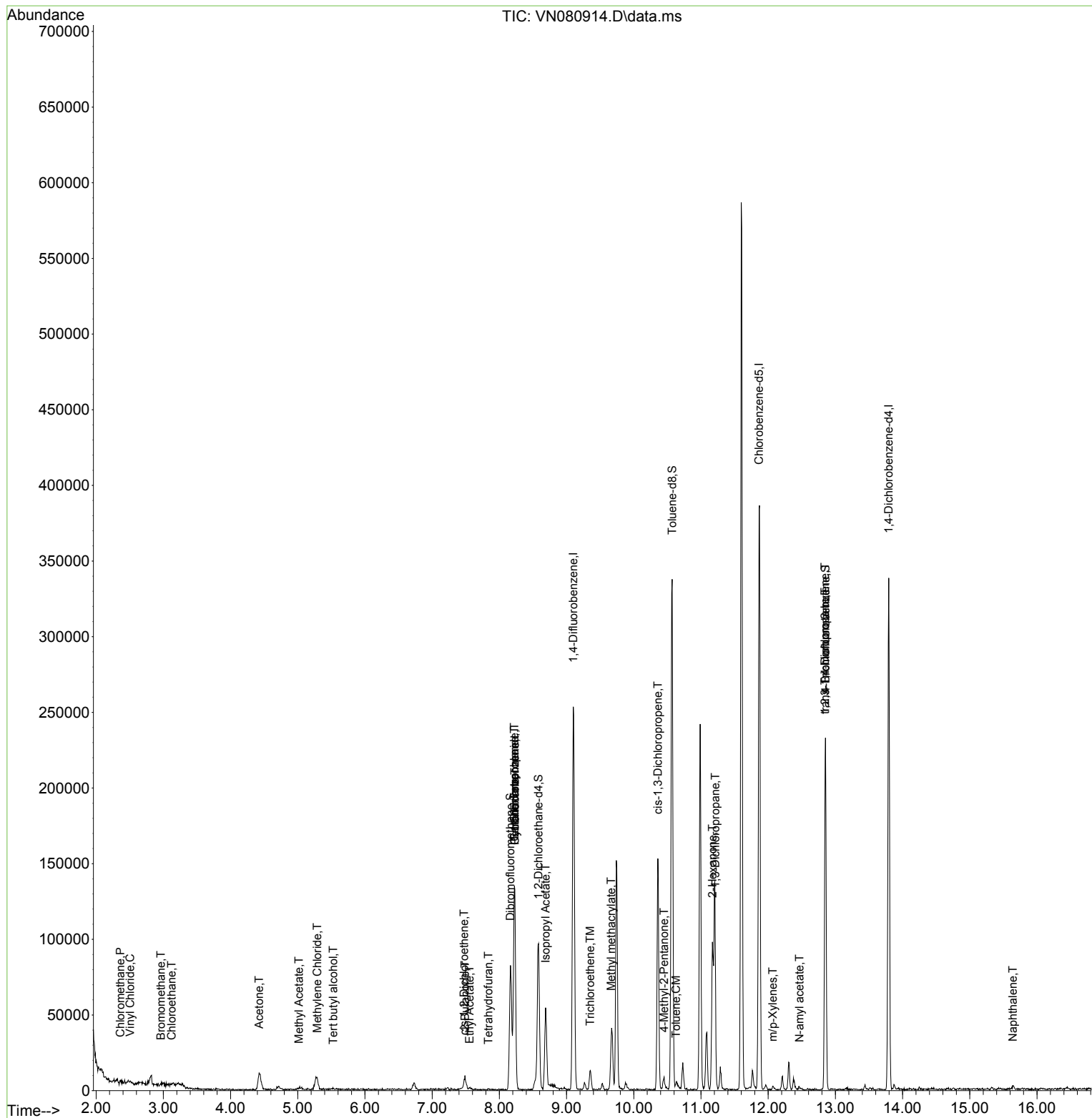
Internal Standards						
1) Pentafluorobenzene	8.230	168	79825	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	179230	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	191102	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	71641	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	82635	59.839	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 119.680%			
35) Dibromofluoromethane	8.165	113	54712	49.895	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.800%			
50) Toluene-d8	10.571	98	219537	51.153	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.300%			
62) 4-Bromofluorobenzene	12.853	95	75544	50.512	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.020%			
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	1570	0.881	ug/l #	76
4) Vinyl Chloride	2.506	62	422	0.311	ug/l #	58
5) Bromomethane	2.965	94	155	0.286	ug/l #	6
6) Chloroethane	3.124	64	202	0.280	ug/l #	16
11) Tert butyl alcohol	5.530	59	419	1.861	ug/l #	72
16) Acetone	4.424	43	22054	44.035	ug/l #	80
18) Methyl Acetate	5.018	43	1207	0.692	ug/l	94
20) Methylene Chloride	5.289	84	6477	4.927	ug/l #	72
25) 2-Butanone	7.488	43	10466	11.002	ug/l #	78
27) cis-1,2-Dichloroethene	7.477	96	824	0.585	ug/l	83
29) Tetrahydrofuran	7.835	42	540	0.839	ug/l #	38
31) Cyclohexane	8.230	56	3415	1.442	ug/l #	36
36) 1,1-Dichloropropene	8.224	75	10644	5.223	ug/l #	45
37) Ethyl Acetate	7.559	43	2525	1.203	ug/l #	76
38) Carbon Tetrachloride	8.224	117	11145	6.787	ug/l #	14
43) Isopropyl Acetate	8.688	43	61708	16.155	ug/l #	87
44) Trichloroethene	9.353	130	3610	2.736	ug/l	92
48) Methyl methacrylate	9.665	41	3529	1.906	ug/l #	48
51) 4-Methyl-2-Pentanone	10.453	43	8055	3.772	ug/l #	77
52) Toluene	10.629	92	1798	0.524	ug/l	94
54) cis-1,3-Dichloropropene	10.359	75	23269	9.415	ug/l #	75
57) 1,3-Dichloropropane	11.212	76	1374	0.553	ug/l #	43
59) 2-Hexanone	11.171	43	104468	62.982	ug/l #	26
68) m/p-Xylenes	12.071	106	567	0.206	ug/l #	49
74) N-amyl acetate	12.465	43	2066	0.507	ug/l #	46
76) 1,2,3-Trichloropropane	12.847	75	46072	21.323	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	46072	54.931	ug/l #	14
95) Naphthalene	15.641	128	1994	0.441	ug/l #	86

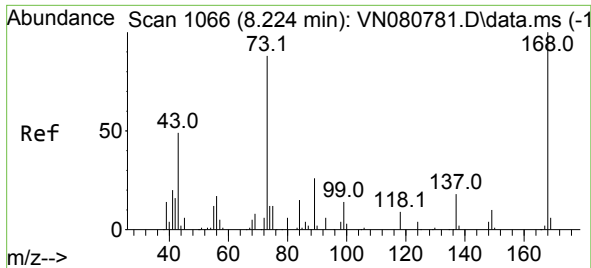
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020524\
Data File : VN080914.D
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Instrument :
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Quant Time: Feb 06 04:50:39 2024
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Quant Title : SW846 8260
QLast Update : Mon Jan 29 12:54:23 2024
Response via : Initial Calibration

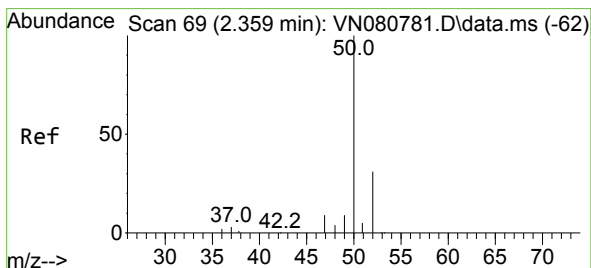
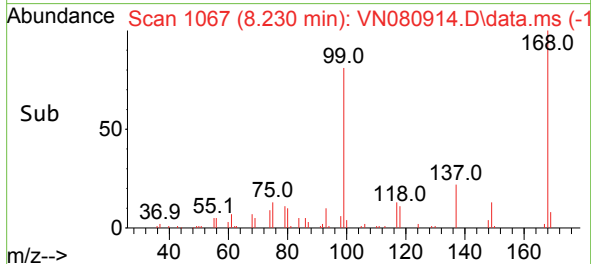
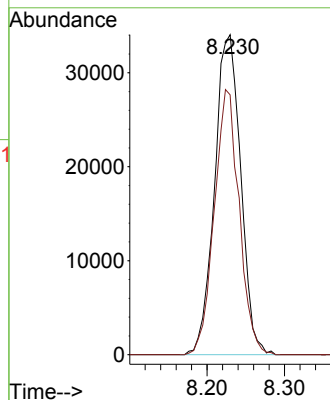
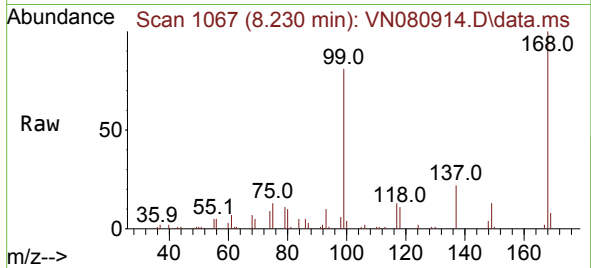




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. 0.006 min
Lab File: VN080914.D
Acq: 05 Feb 2024 22:14

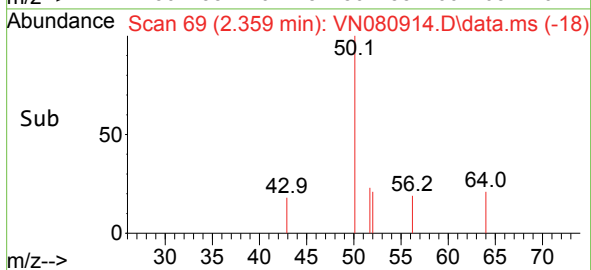
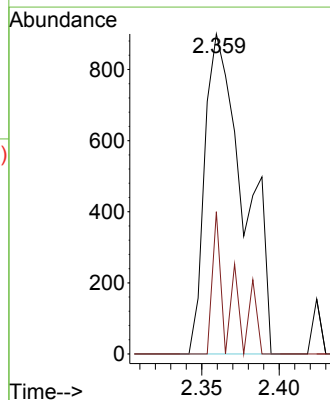
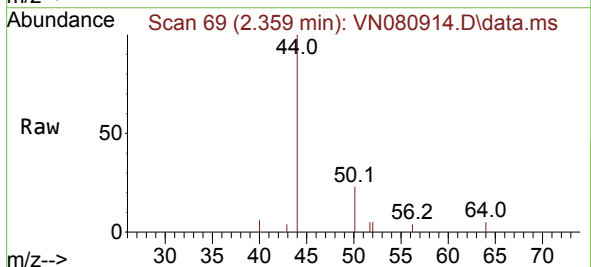
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MSVOA_N
ClientSampleId :
EB-5-0-2

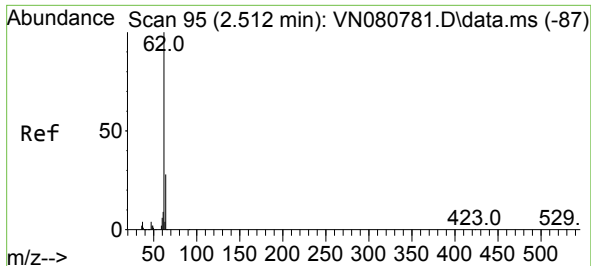
Tgt Ion:168 Resp: 79825
Ion Ratio Lower Upper
168 100
99 81.2 59.9 89.9



#3
Chloromethane
Concen: 0.881 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN080914.D
Acq: 05 Feb 2024 22:14

Tgt Ion: 50 Resp: 1570
Ion Ratio Lower Upper
50 100
52 44.4 25.0 37.4#

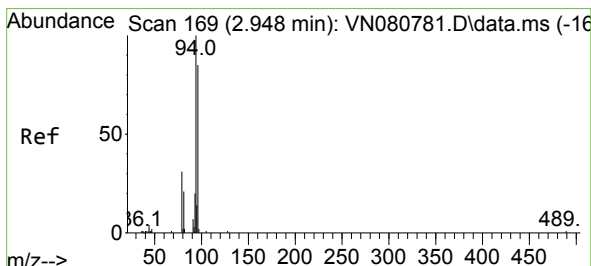
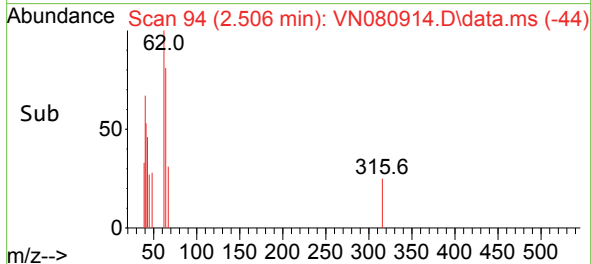
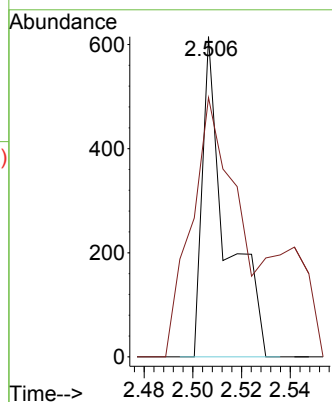
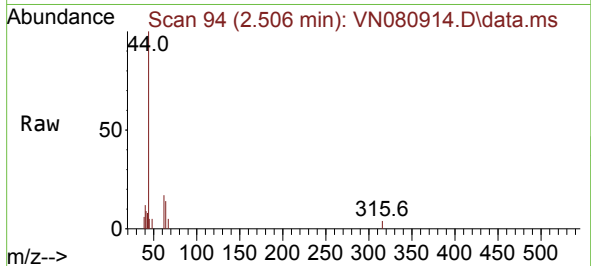




#4
 Vinyl Chloride
 Concen: 0.311 ug/l
 RT: 2.506 min Scan# 94
 Delta R.T. -0.006 min
 Lab File: VN080914.D
 Acq: 05 Feb 2024 22:14

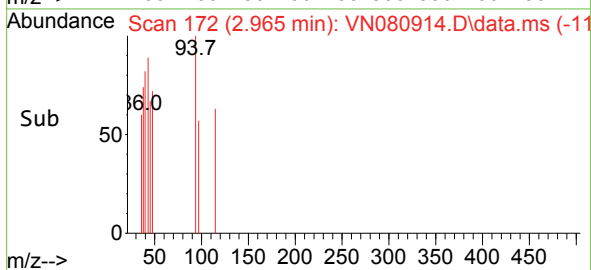
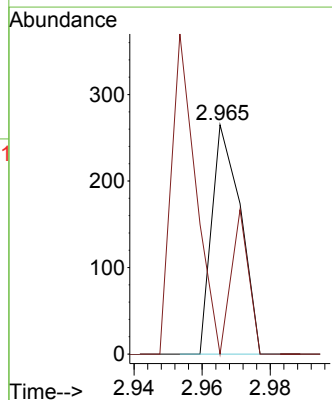
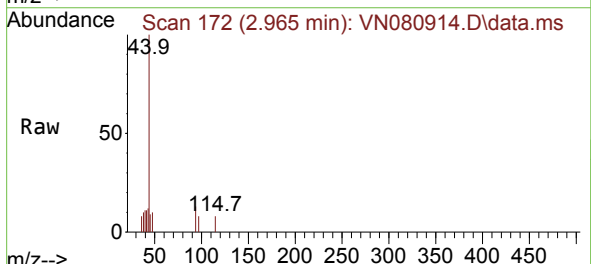
Instrument :
 MSVOA_N
 ClientSampleId :
 EB-5-0-2

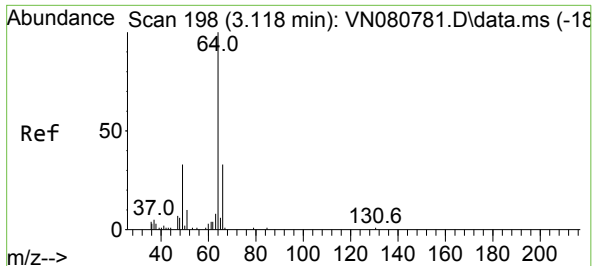
Tgt Ion: 62 Resp: 422
 Ion Ratio Lower Upper
 62 100
 64 50.4 22.7 34.1#



#5
 Bromomethane
 Concen: 0.286 ug/l
 RT: 2.965 min Scan# 172
 Delta R.T. 0.018 min
 Lab File: VN080914.D
 Acq: 05 Feb 2024 22:14

Tgt Ion: 94 Resp: 155
 Ion Ratio Lower Upper
 94 100
 96 0.0 69.2 103.8#

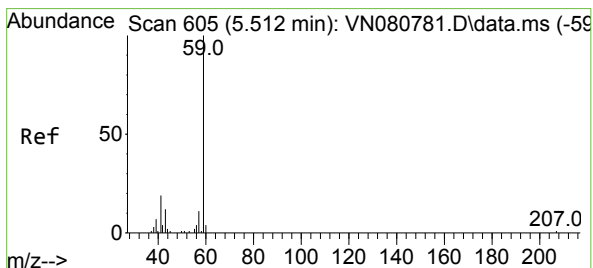
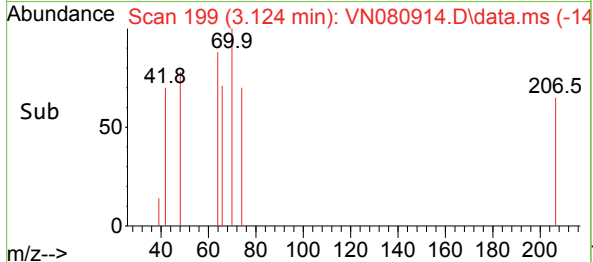
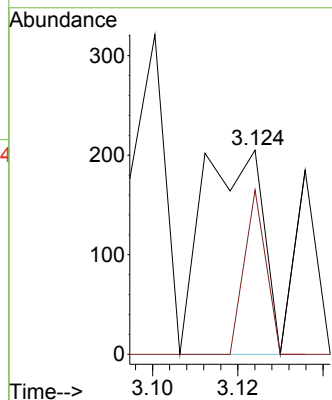
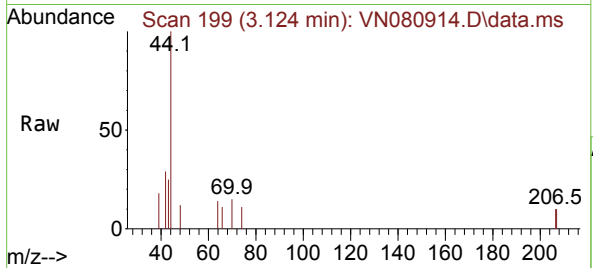




#6
Chloroethane
Concen: 0.280 ug/l
RT: 3.124 min Scan# 198
Delta R.T. 0.006 min
Lab File: VN080914.D
Acq: 05 Feb 2024 22:14

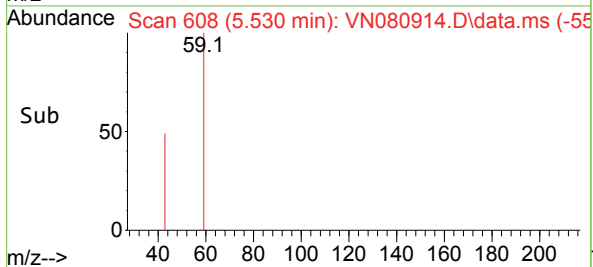
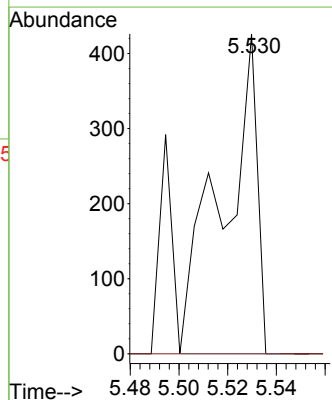
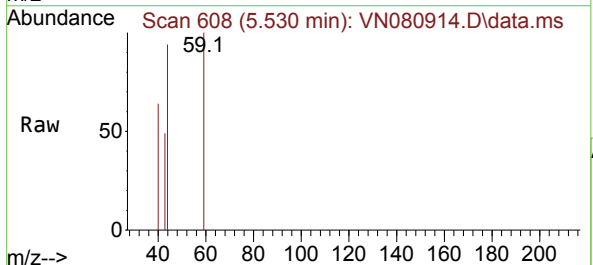
Instrument :
MSVOA_N
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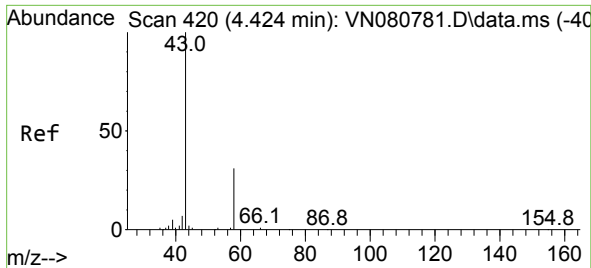
Tgt Ion: 64 Resp: 202
Ion Ratio Lower Upper
64 100
66 80.5 26.4 39.6#



#11
Tert butyl alcohol
Concen: 1.861 ug/l
RT: 5.530 min Scan# 608
Delta R.T. 0.018 min
Lab File: VN080914.D
Acq: 05 Feb 2024 22:14

Tgt Ion: 59 Resp: 419
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

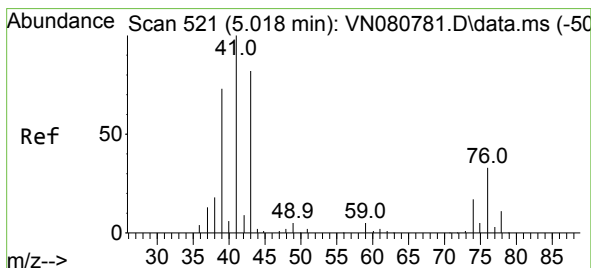
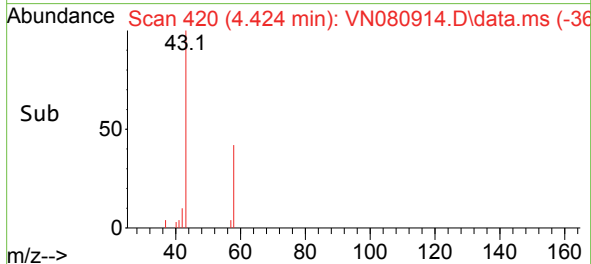
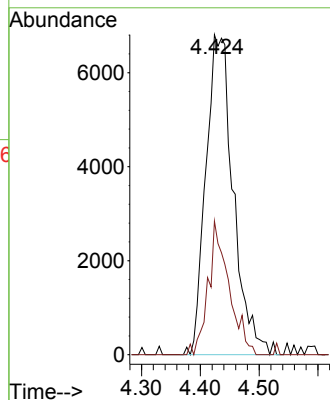
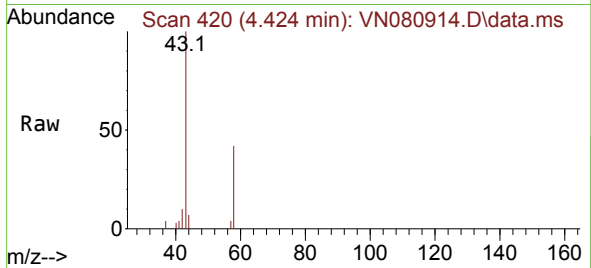




#16
Acetone
Concen: 44.035 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN080914.D
Acq: 05 Feb 2024 22:14

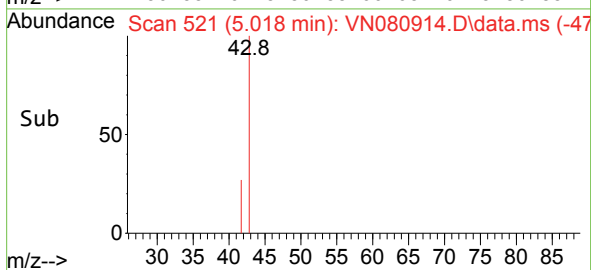
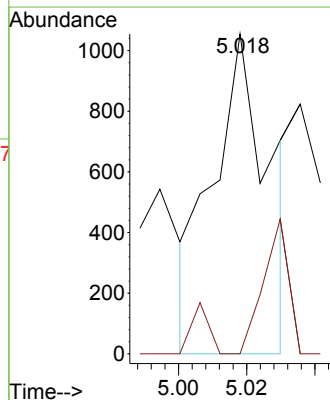
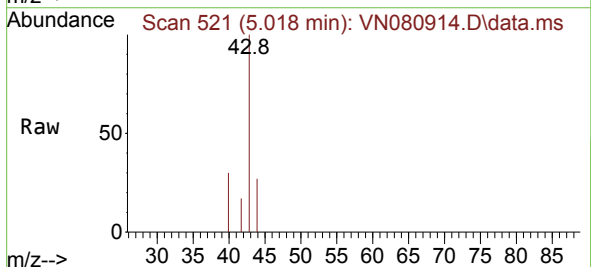
Instrument :
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ClientSampleId :
EB-5-0-2

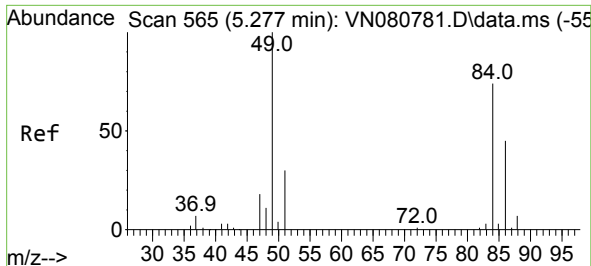
Tgt Ion: 43 Resp: 22054
Ion Ratio Lower Upper
43 100
58 41.7 24.8 37.2#



#18
Methyl Acetate
Concen: 0.692 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN080914.D
Acq: 05 Feb 2024 22:14

Tgt Ion: 43 Resp: 1207
Ion Ratio Lower Upper
43 100
74 18.7 17.3 25.9

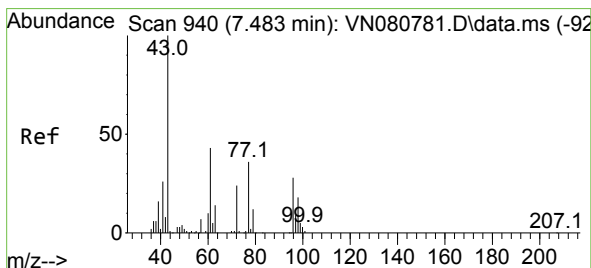
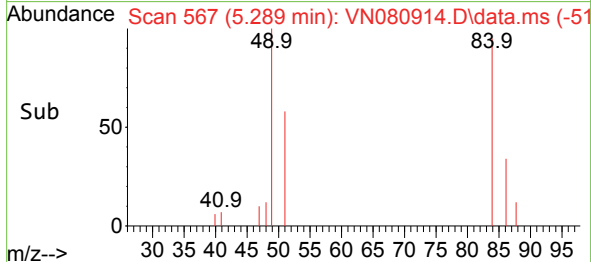
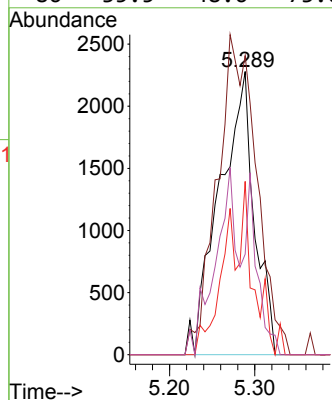
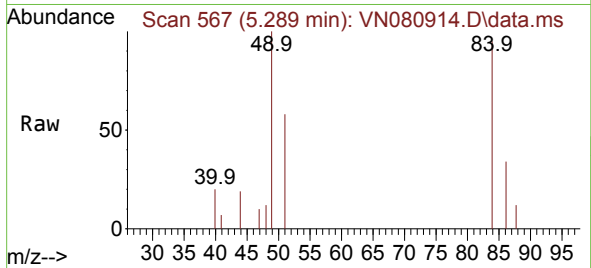




#20
Methylene Chloride
Concen: 4.927 ug/l
RT: 5.289 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN080914.D
Acq: 05 Feb 2024 22:14

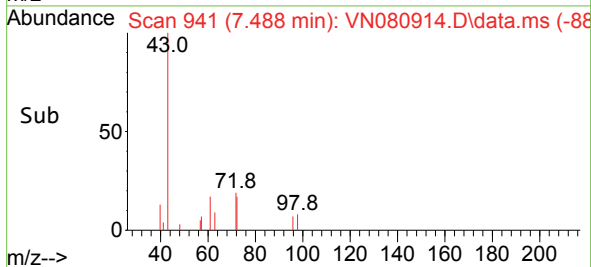
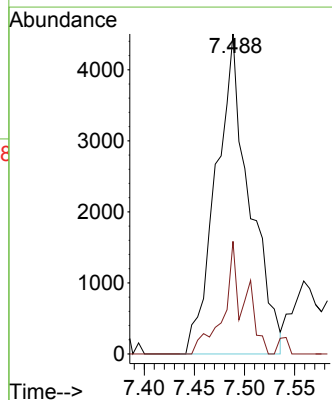
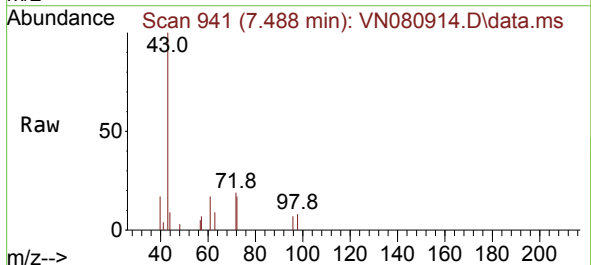
Instrument :
MSVOA_N
ClientSampleId :
EB-5-0-2

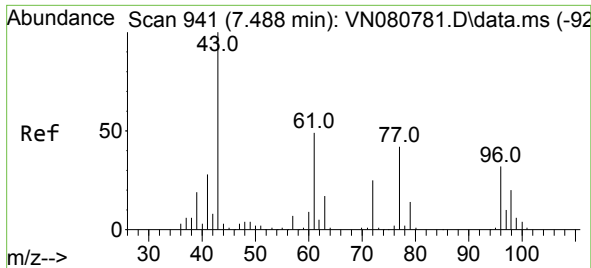
Tgt Ion: 84 Resp: 6477
Ion Ratio Lower Upper
84 100
49 105.6 108.1 162.1#
51 61.2 32.9 49.3#
86 35.5 48.6 73.0#



#25
2-Butanone
Concen: 11.002 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN080914.D
Acq: 05 Feb 2024 22:14

Tgt Ion: 43 Resp: 10466
Ion Ratio Lower Upper
43 100
72 35.2 19.5 29.3#

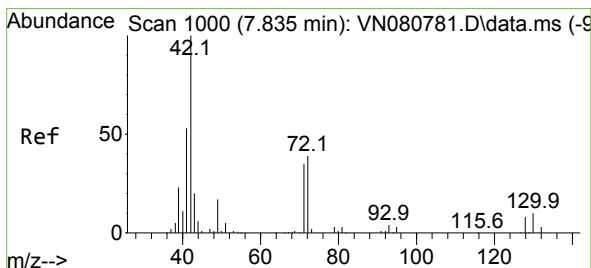
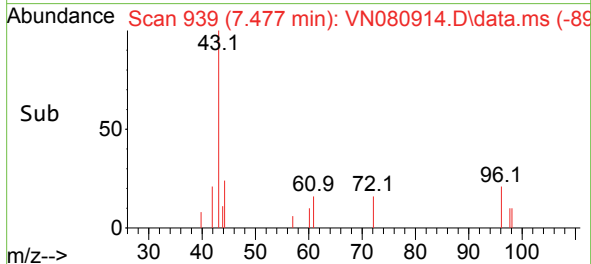
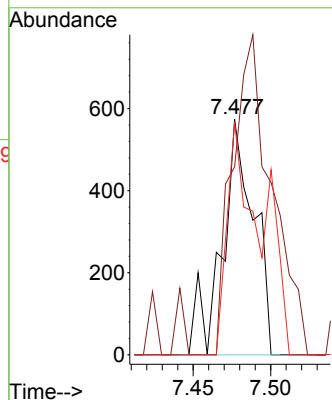
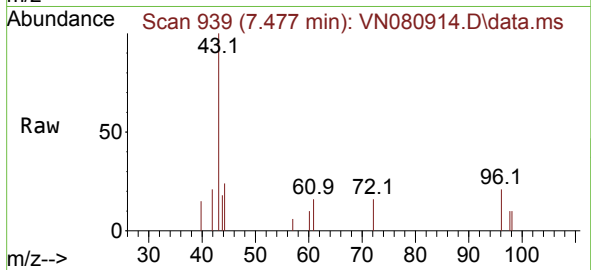




#27
 cis-1,2-Dichloroethene
 Concen: 0.585 ug/l
 RT: 7.477 min Scan# 91
 Delta R.T. -0.012 min
 Lab File: VN080914.D
 Acq: 05 Feb 2024 22:14

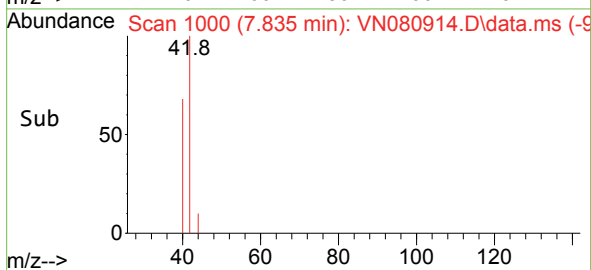
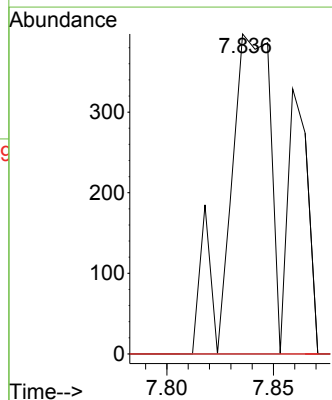
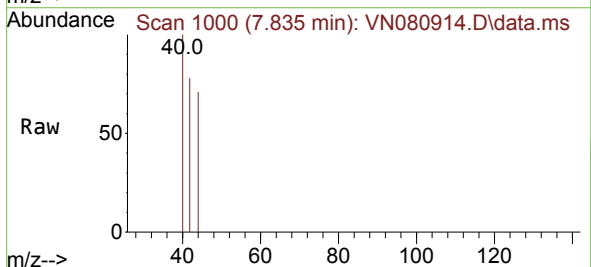
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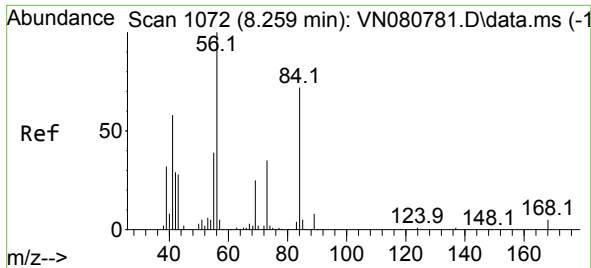
Tgt Ion: 96 Resp: 824
 Ion Ratio Lower Upper
 96 100
 61 167.4 0.0 325.4
 98 106.3 0.0 130.4



#29
 Tetrahydrofuran
 Concen: 0.839 ug/l
 RT: 7.835 min Scan# 1000
 Delta R.T. 0.000 min
 Lab File: VN080914.D
 Acq: 05 Feb 2024 22:14

Tgt Ion: 42 Resp: 540
 Ion Ratio Lower Upper
 42 100
 72 0.0 31.1 46.7#
 71 0.0 28.3 42.5#

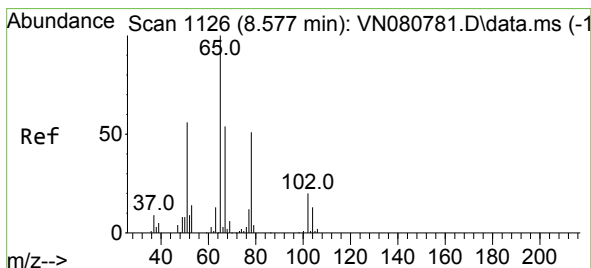
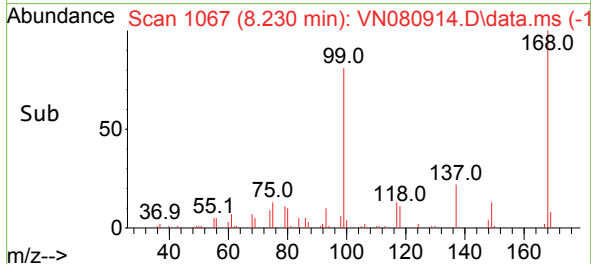
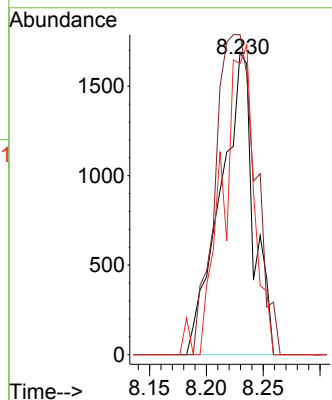
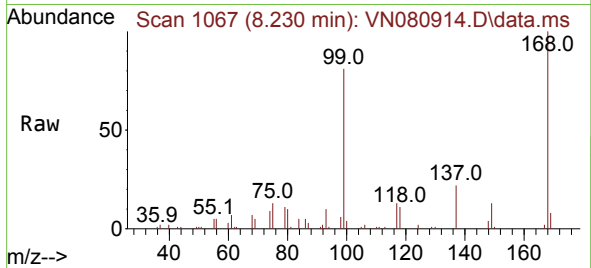




#31
Cyclohexane
Concen: 1.442 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN080914.D
Acq: 05 Feb 2024 22:14

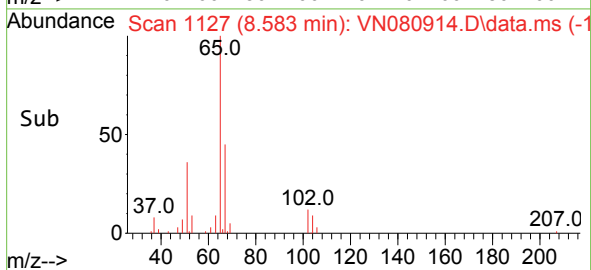
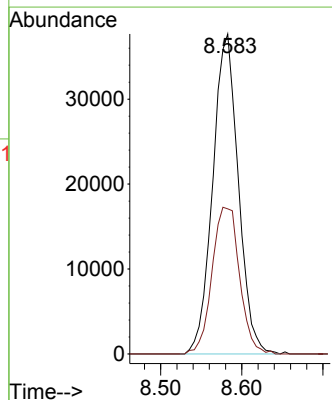
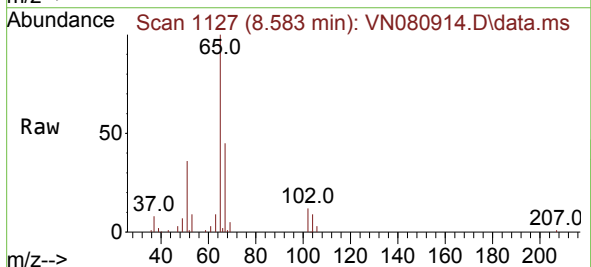
Instrument :
MSVOA_N
ClientSampleId :
EB-5-0-2

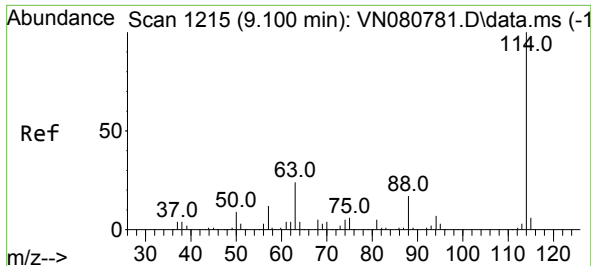
Tgt Ion: 56 Resp: 3415
Ion Ratio Lower Upper
56 100
69 105.9 20.1 30.1#
84 96.3 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 59.839 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN080914.D
Acq: 05 Feb 2024 22:14

Tgt Ion: 65 Resp: 82635
Ion Ratio Lower Upper
65 100
67 49.2 0.0 102.4

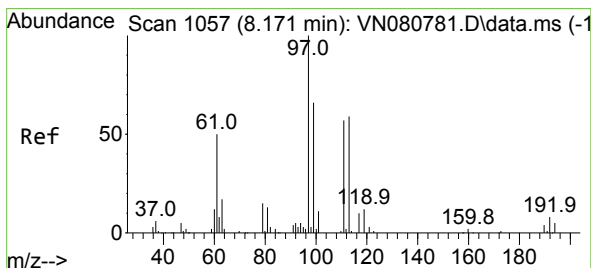
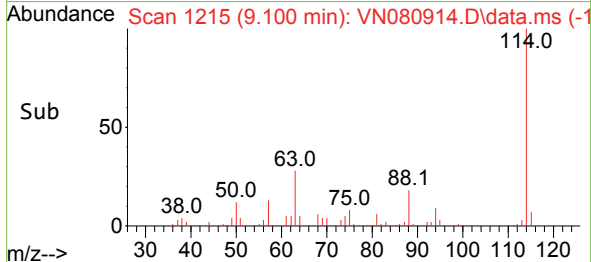
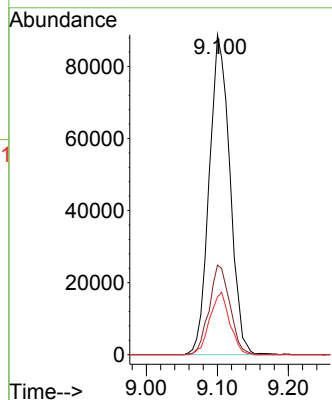
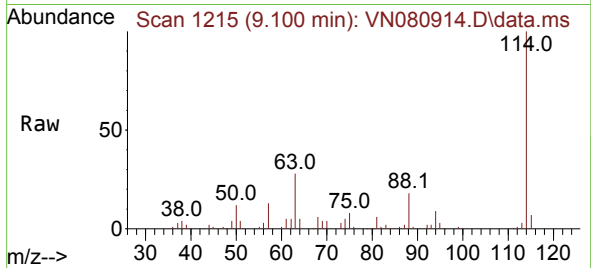




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080914.D
Acq: 05 Feb 2024 22:14

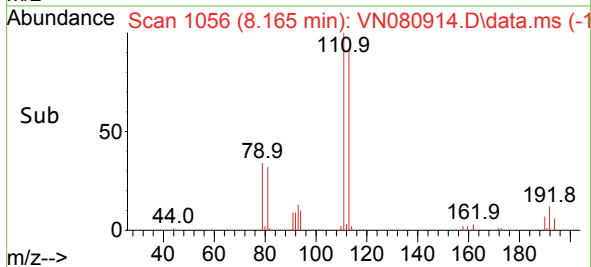
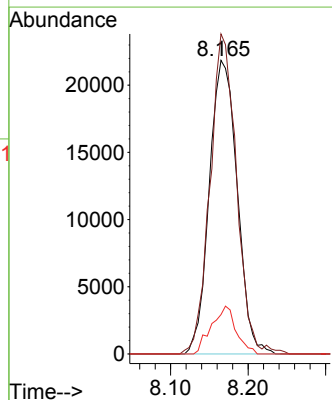
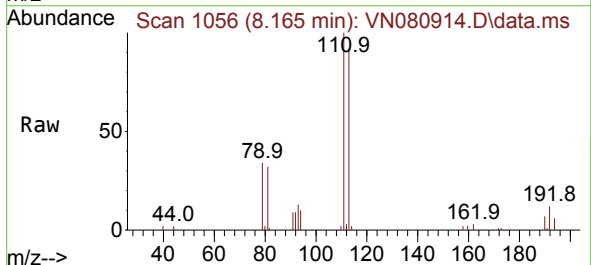
Instrument :
MSVOA_N
ClientSampleId :
EB-5-0-2

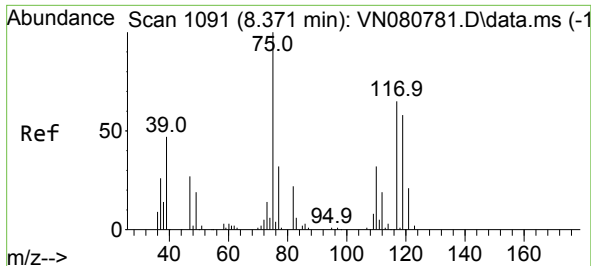
Tgt Ion:114 Resp: 179230
Ion Ratio Lower Upper
114 100
63 28.0 0.0 48.0
88 18.0 0.0 34.8



#35
Dibromofluoromethane
Concen: 49.895 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN080914.D
Acq: 05 Feb 2024 22:14

Tgt Ion:113 Resp: 54712
Ion Ratio Lower Upper
113 100
111 103.4 82.2 123.4
192 14.4 12.5 18.7





#36

1,1-Dichloropropene

Concen: 5.223 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN080914.D

Acq: 05 Feb 2024 22:14

Instrument :

MSVOA_N

ClientSampleId :

EB-5-0-2

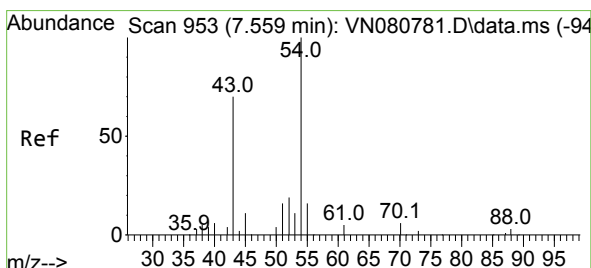
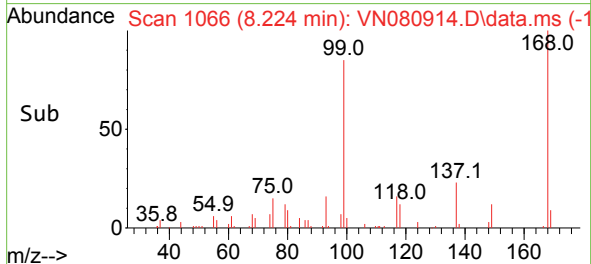
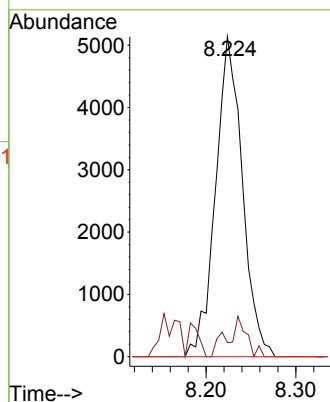
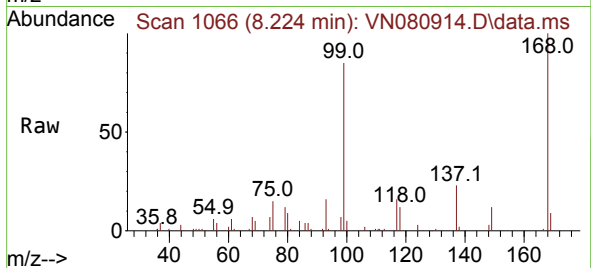
Tgt Ion: 75 Resp: 10644

Ion Ratio Lower Upper

75 100

110 3.0 16.0 48.0#

77 0.0 25.8 38.6#



#37

Ethyl Acetate

Concen: 1.203 ug/l

RT: 7.559 min Scan# 953

Delta R.T. 0.000 min

Lab File: VN080914.D

Acq: 05 Feb 2024 22:14

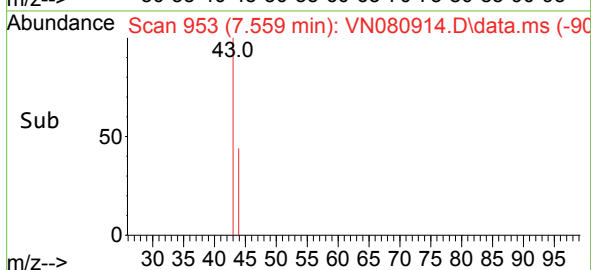
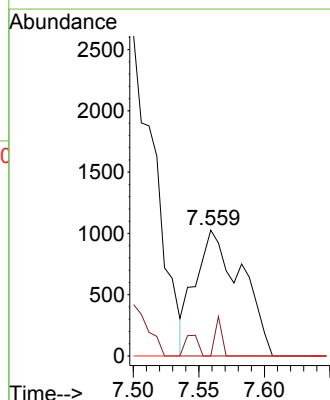
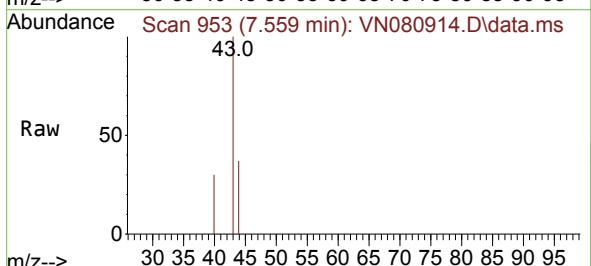
Tgt Ion: 43 Resp: 2525

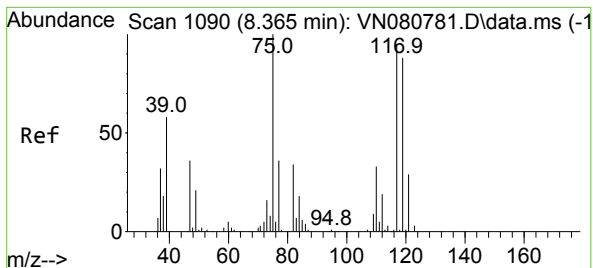
Ion Ratio Lower Upper

43 100

61 4.5 10.6 15.8#

70 0.0 8.0 12.0#





#38

Carbon Tetrachloride

Concen: 6.787 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.141 min

Lab File: VN080914.D

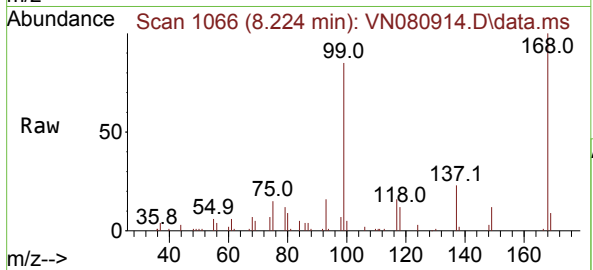
Acq: 05 Feb 2024 22:14

Instrument :

MSVOA_N

ClientSampleId :

EB-5-0-2



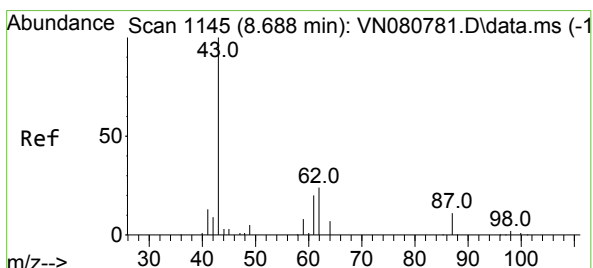
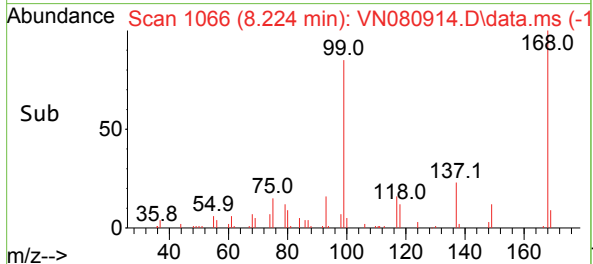
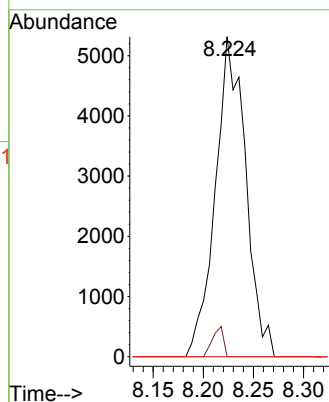
Tgt Ion:117 Resp: 11145

Ion Ratio Lower Upper

117 100

119 0.0 73.4 110.2#

121 0.0 24.4 36.6#



#43

Isopropyl Acetate

Concen: 16.155 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN080914.D

Acq: 05 Feb 2024 22:14

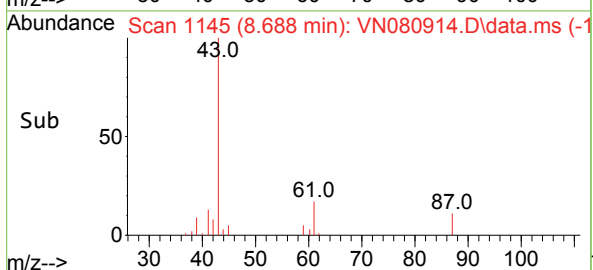
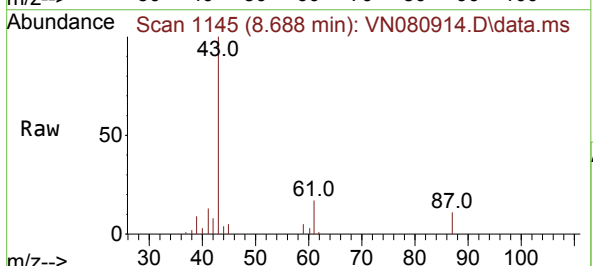
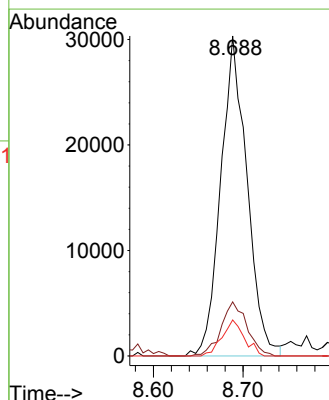
Tgt Ion: 43 Resp: 61708

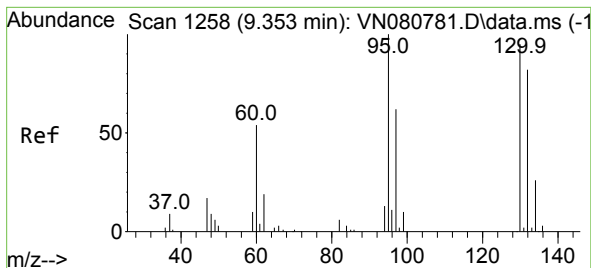
Ion Ratio Lower Upper

43 100

61 16.7 19.9 29.9#

87 9.5 9.0 13.6





#44

Trichloroethene

Concen: 2.736 ug/l

RT: 9.353 min Scan# 1310

Delta R.T. 0.000 min

Lab File: VN080914.D

Acq: 05 Feb 2024 22:14

Instrument :

MSVOA_N

ClientSampleId :

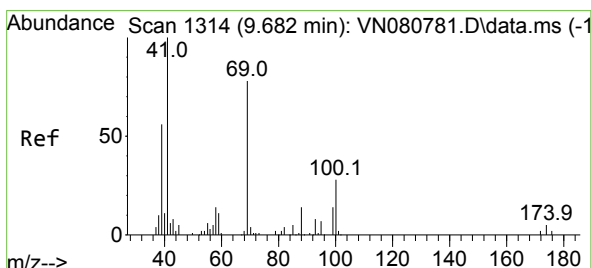
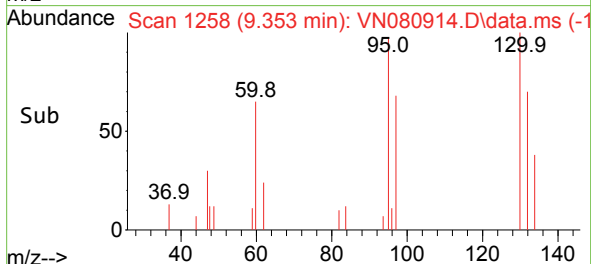
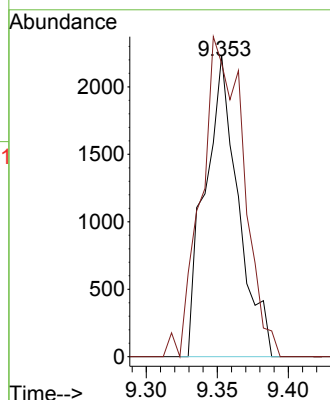
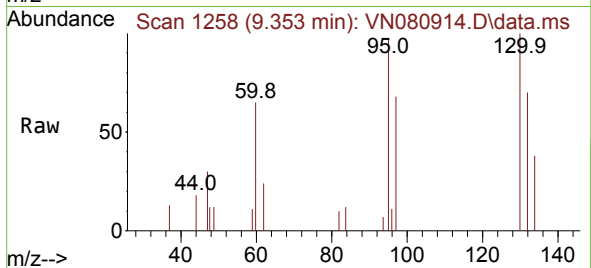
EB-5-0-2

Tgt Ion:130 Resp: 3610

Ion Ratio Lower Upper

130 100

95 97.3 0.0 210.4



#48

Methyl methacrylate

Concen: 1.906 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.018 min

Lab File: VN080914.D

Acq: 05 Feb 2024 22:14

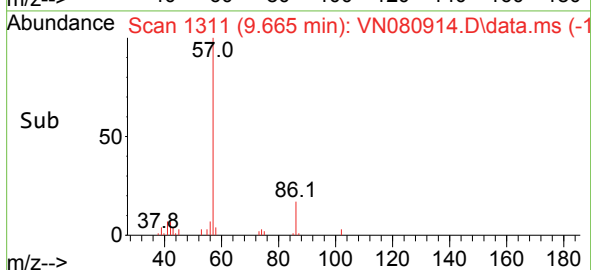
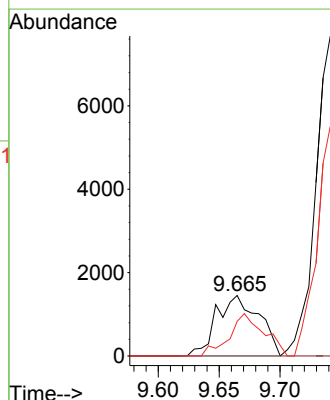
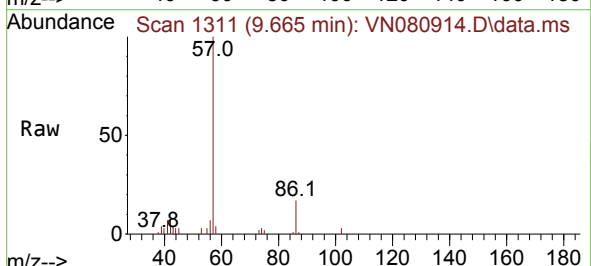
Tgt Ion: 41 Resp: 3529

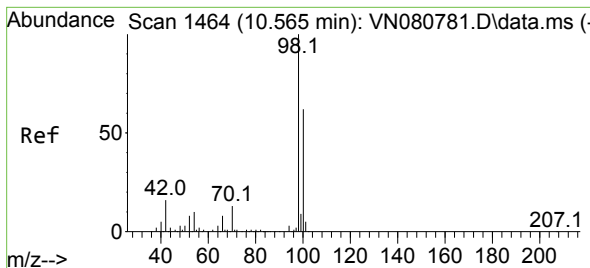
Ion Ratio Lower Upper

41 100

69 0.0 62.2 93.2#

39 56.9 47.6 71.4





#50

Toluene-d8

Concen: 51.153 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080914.D

Acq: 05 Feb 2024 22:14

Instrument :

MSVOA_N

ClientSampleId :

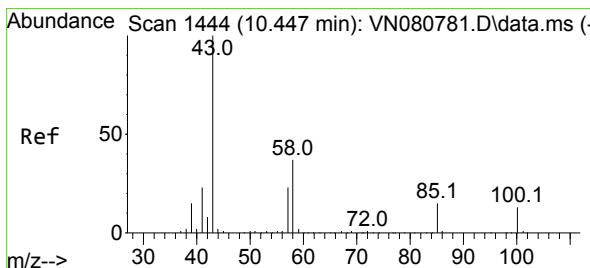
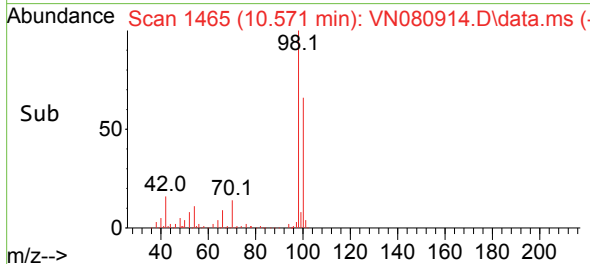
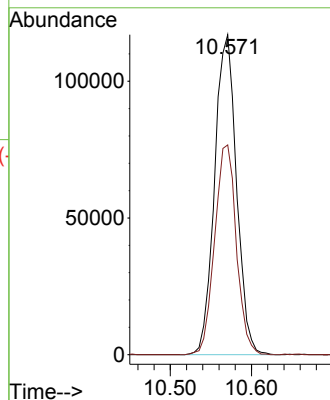
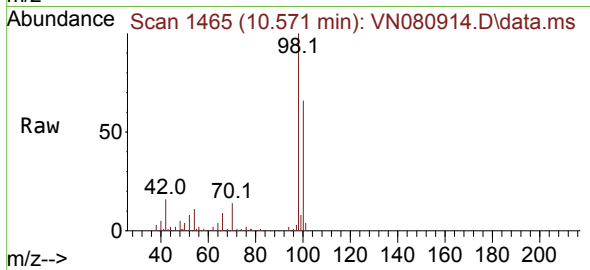
EB-5-0-2

Tgt Ion: 98 Resp: 219537

Ion Ratio Lower Upper

98 100

100 64.9 51.4 77.0



#51

4-Methyl-2-Pentanone

Concen: 3.772 ug/l

RT: 10.453 min Scan# 1445

Delta R.T. 0.006 min

Lab File: VN080914.D

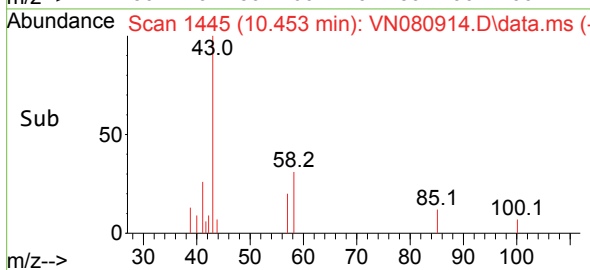
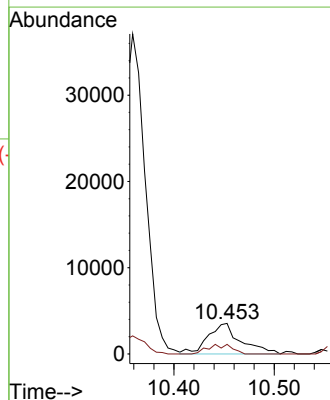
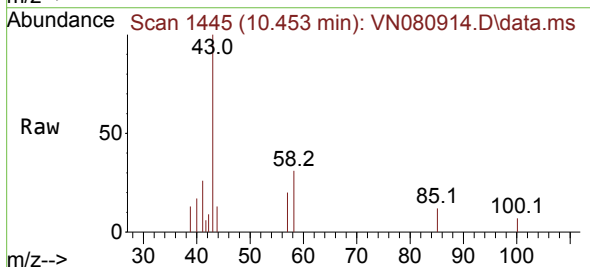
Acq: 05 Feb 2024 22:14

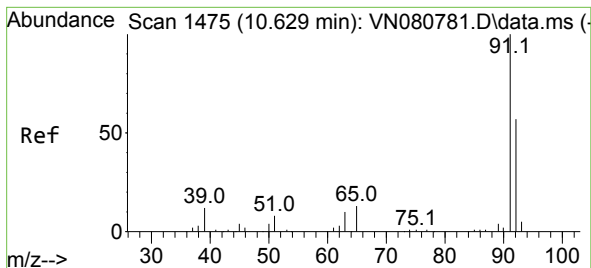
Tgt Ion: 43 Resp: 8055

Ion Ratio Lower Upper

43 100

58 22.8 29.4 44.0#





#52

Toluene

Concen: 0.524 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VN080914.D

Acq: 05 Feb 2024 22:14

Instrument :

MSVOA_N

ClientSampleId :

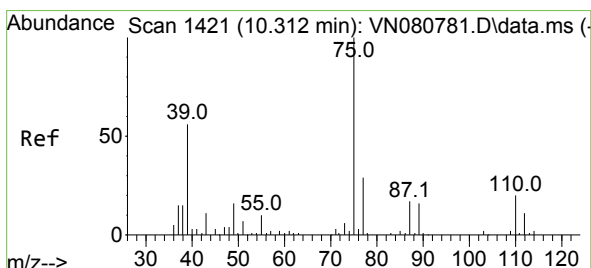
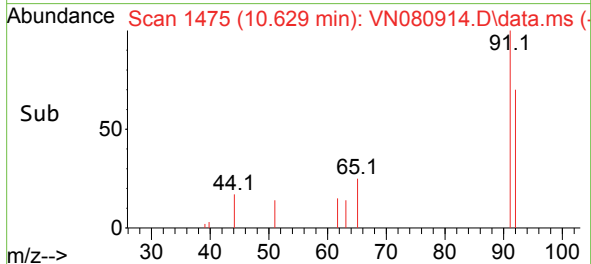
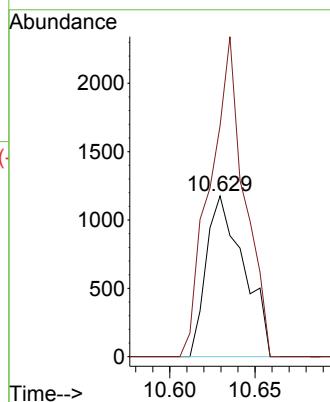
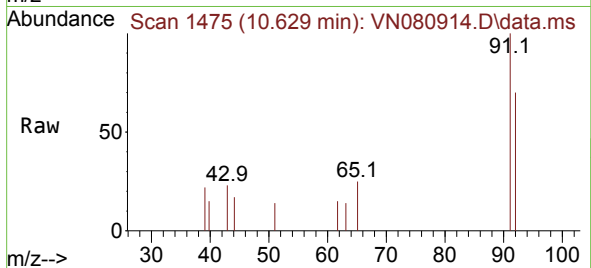
EB-5-0-2

Tgt Ion: 92 Resp: 1798

Ion Ratio Lower Upper

92 100

91 183.2 139.4 209.0



#54

cis-1,3-Dichloropropene

Concen: 9.415 ug/l

RT: 10.359 min Scan# 1429

Delta R.T. 0.047 min

Lab File: VN080914.D

Acq: 05 Feb 2024 22:14

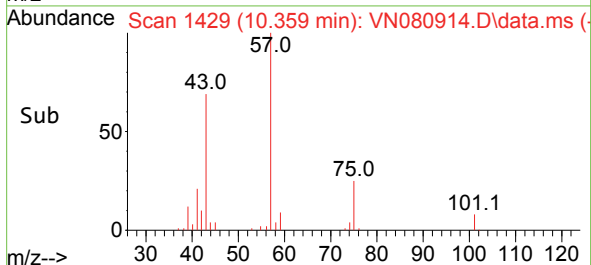
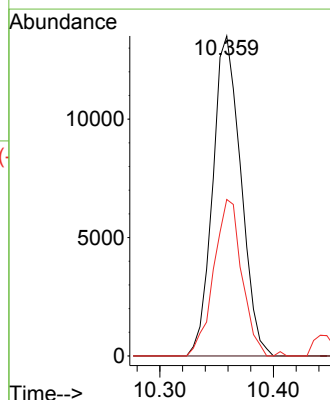
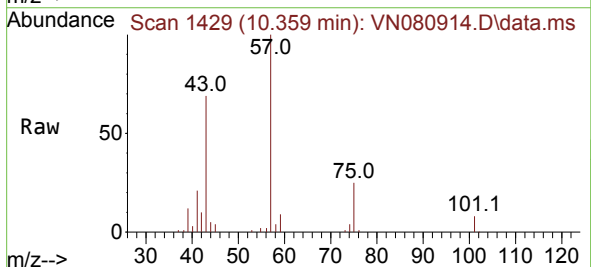
Tgt Ion: 75 Resp: 23269

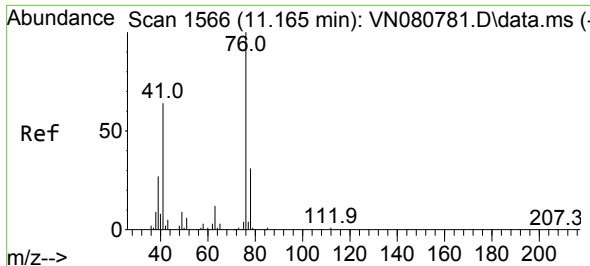
Ion Ratio Lower Upper

75 100

77 0.0 23.3 34.9#

39 48.9 44.6 66.8





#57

1,3-Dichloropropane

Concen: 0.553 ug/l

RT: 11.212 min Scan# 1574

Delta R.T. 0.047 min

Lab File: VN080914.D

Acq: 05 Feb 2024 22:14

Instrument :

MSVOA_N

ClientSampleId :

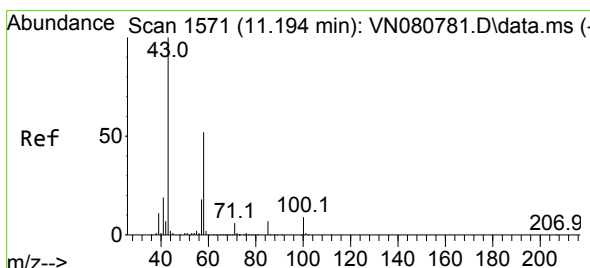
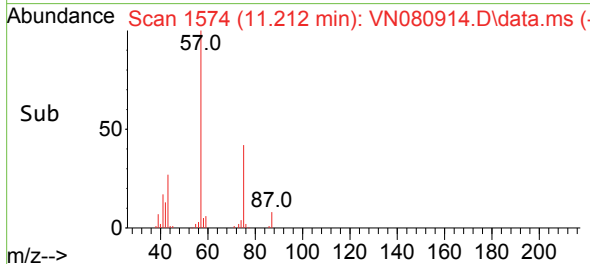
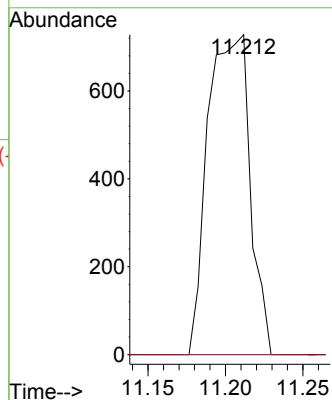
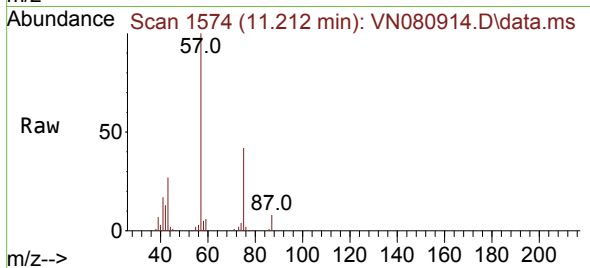
EB-5-0-2

Tgt Ion: 76 Resp: 1374

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#



#59

2-Hexanone

Concen: 62.982 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.023 min

Lab File: VN080914.D

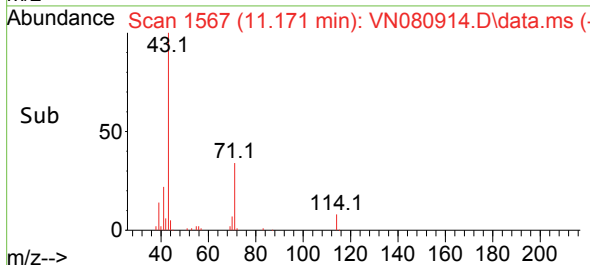
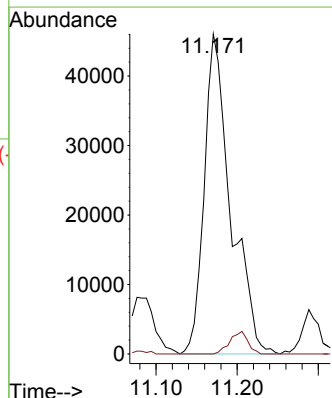
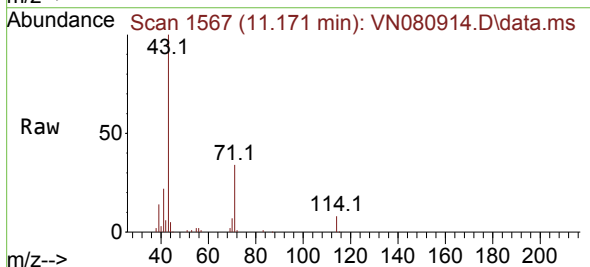
Acq: 05 Feb 2024 22:14

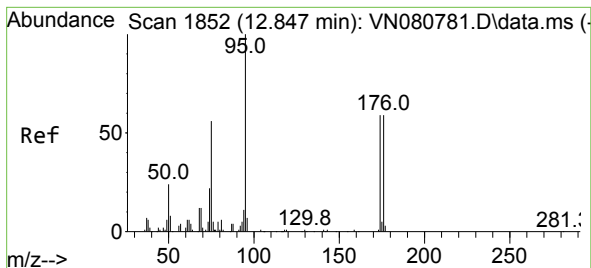
Tgt Ion: 43 Resp: 104468

Ion Ratio Lower Upper

43 100

58 0.0 25.9 77.8#

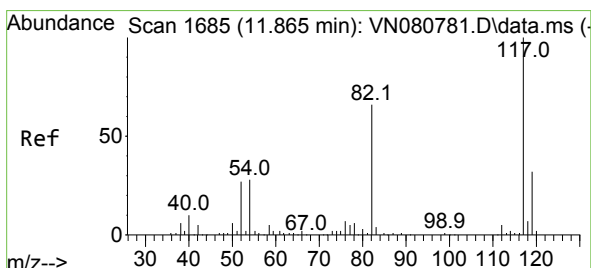
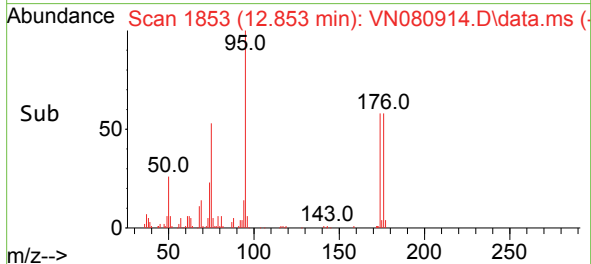
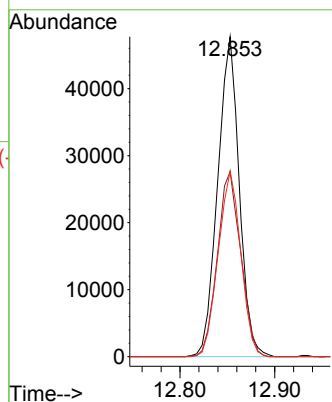
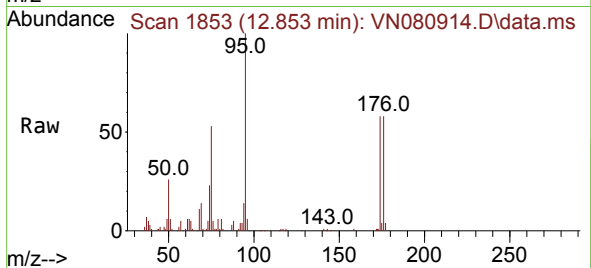




#62
4-Bromofluorobenzene
Concen: 50.512 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080914.D
Acq: 05 Feb 2024 22:14

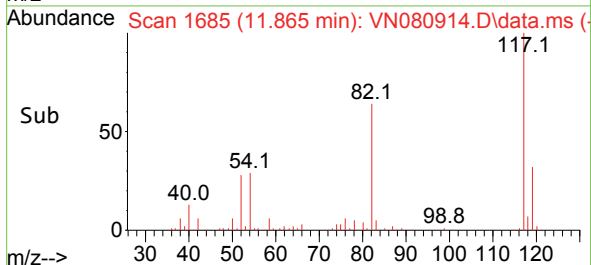
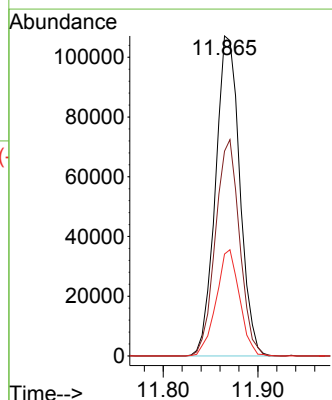
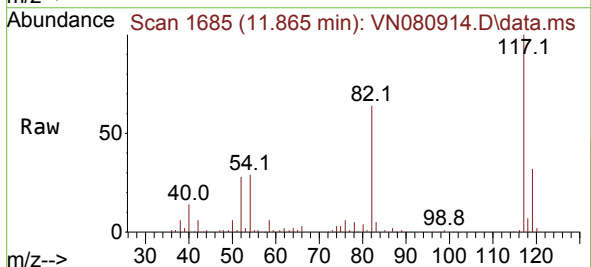
Instrument :
MSVOA_N
ClientSampleId :
EB-5-0-2

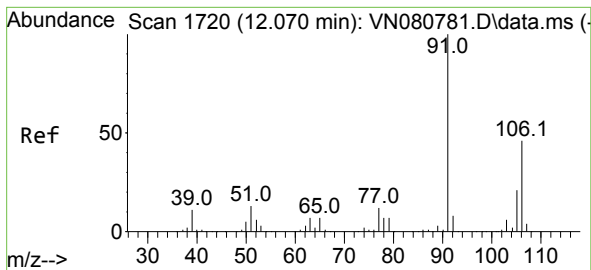
Tgt Ion: 95 Resp: 75544
Ion Ratio Lower Upper
95 100
174 62.8 0.0 120.4
176 60.7 0.0 121.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN080914.D
Acq: 05 Feb 2024 22:14

Tgt Ion: 117 Resp: 191102
Ion Ratio Lower Upper
117 100
82 64.0 52.7 79.1
119 31.9 25.3 37.9

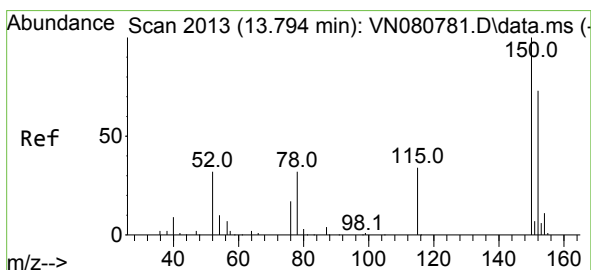
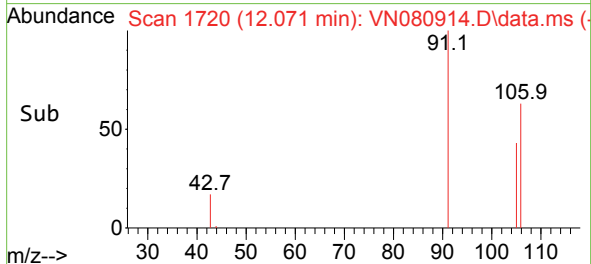
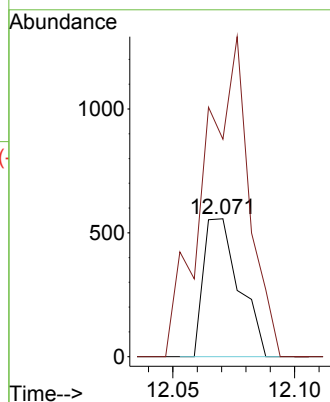
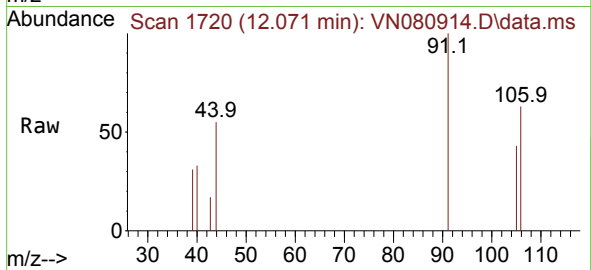




#68
m/p-Xylenes
Concen: 0.206 ug/l
RT: 12.071 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080914.D
Acq: 05 Feb 2024 22:14

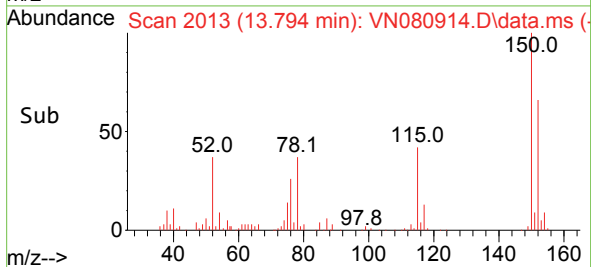
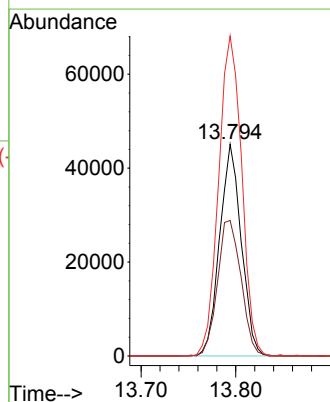
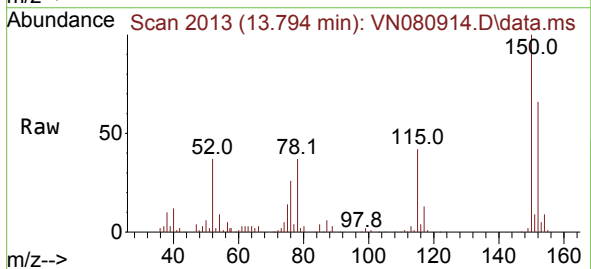
Instrument :
MSVOA_N
ClientSampleId :
EB-5-0-2

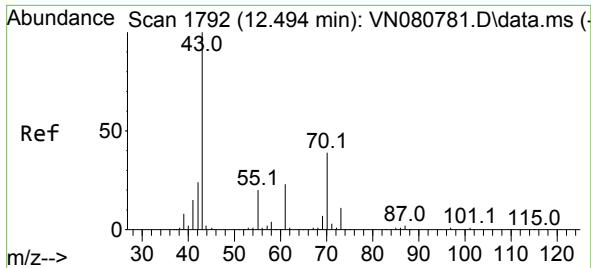
Tgt Ion:106 Resp: 567
Ion Ratio Lower Upper
106 100
91 291.5 169.0 253.6#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN080914.D
Acq: 05 Feb 2024 22:14

Tgt Ion:152 Resp: 71641
Ion Ratio Lower Upper
152 100
115 69.6 32.3 96.8
150 161.2 0.0 339.8

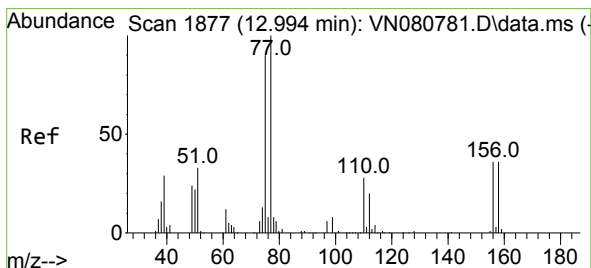
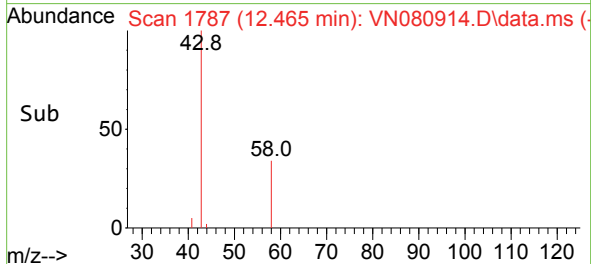
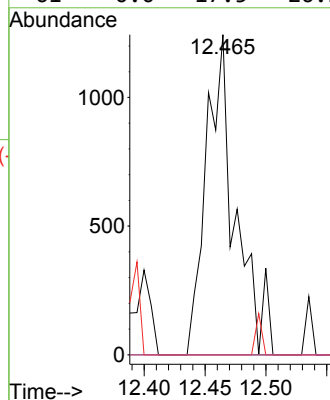
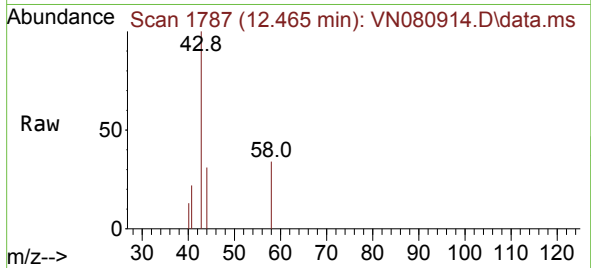




#74
N-amy1 acetate
Concen: 0.507 ug/l
RT: 12.465 min Scan# 11
Delta R.T. -0.029 min
Lab File: VN080914.D
Acq: 05 Feb 2024 22:14

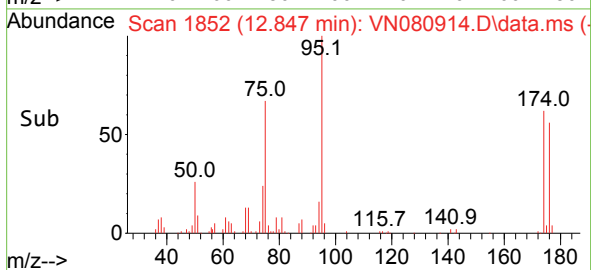
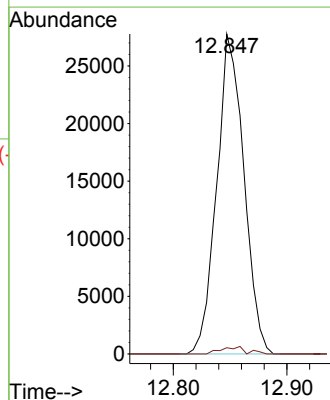
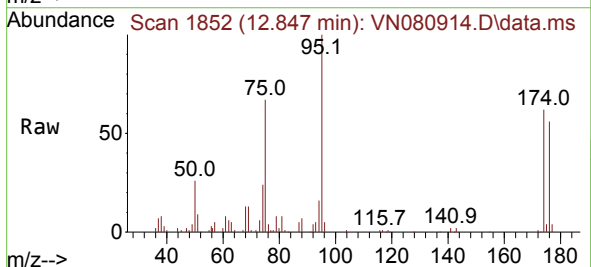
Instrument :
MSVOA_N
ClientSampleId :
EB-5-0-2

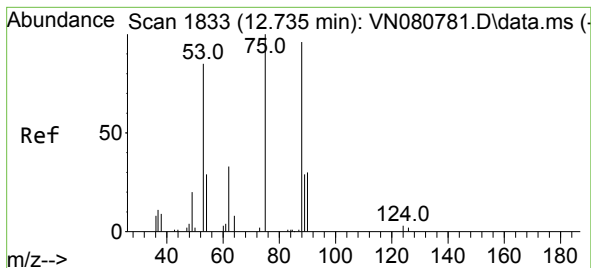
Tgt Ion: 43	Resp: 2066
Ion Ratio	Lower Upper
43	100
70	0.0 30.1 45.1#
55	0.0 17.0 25.4#
61	0.0 17.5 26.3#



#76
1,2,3-Trichloropropane
Concen: 21.323 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN080914.D
Acq: 05 Feb 2024 22:14

Tgt Ion: 75	Resp: 46072
Ion Ratio	Lower Upper
75	100
77	2.1 91.0 272.8#

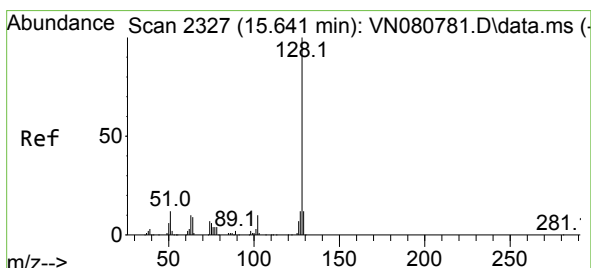
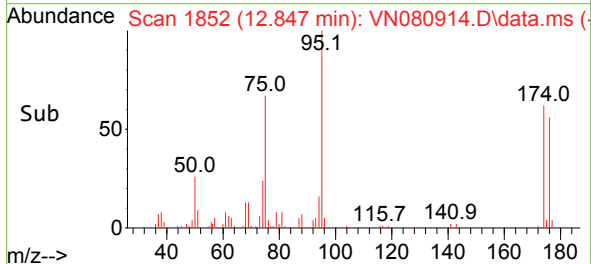
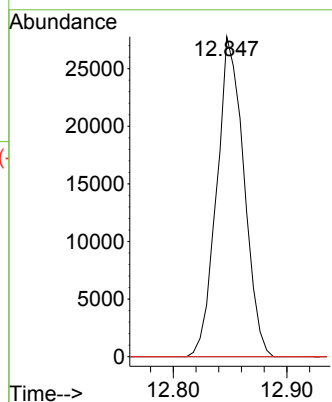
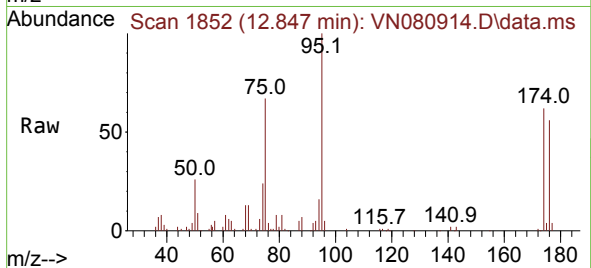




#81
trans-1,4-Dichloro-2-butene
Concen: 54.931 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN080914.D
Acq: 05 Feb 2024 22:14

Instrument :
MSVOA_N
ClientSampleId :
EB-5-0-2

Tgt Ion: 75 Resp: 46072
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.2#
89 0.0 33.4 50.0#



#95
Naphthalene
Concen: 0.441 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN080914.D
Acq: 05 Feb 2024 22:14

Tgt Ion:128 Resp: 1994
Ion Ratio Lower Upper
128 100
127 13.2 10.0 15.0
129 0.0 8.7 13.1#

