

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013024\
 Data File : VN080806.D
 Acq On : 30 Jan 2024 11:29
 Operator : JC\MD
 Sample : VN0130MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0130MBL01

Quant Time: Jan 31 02:07:01 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)

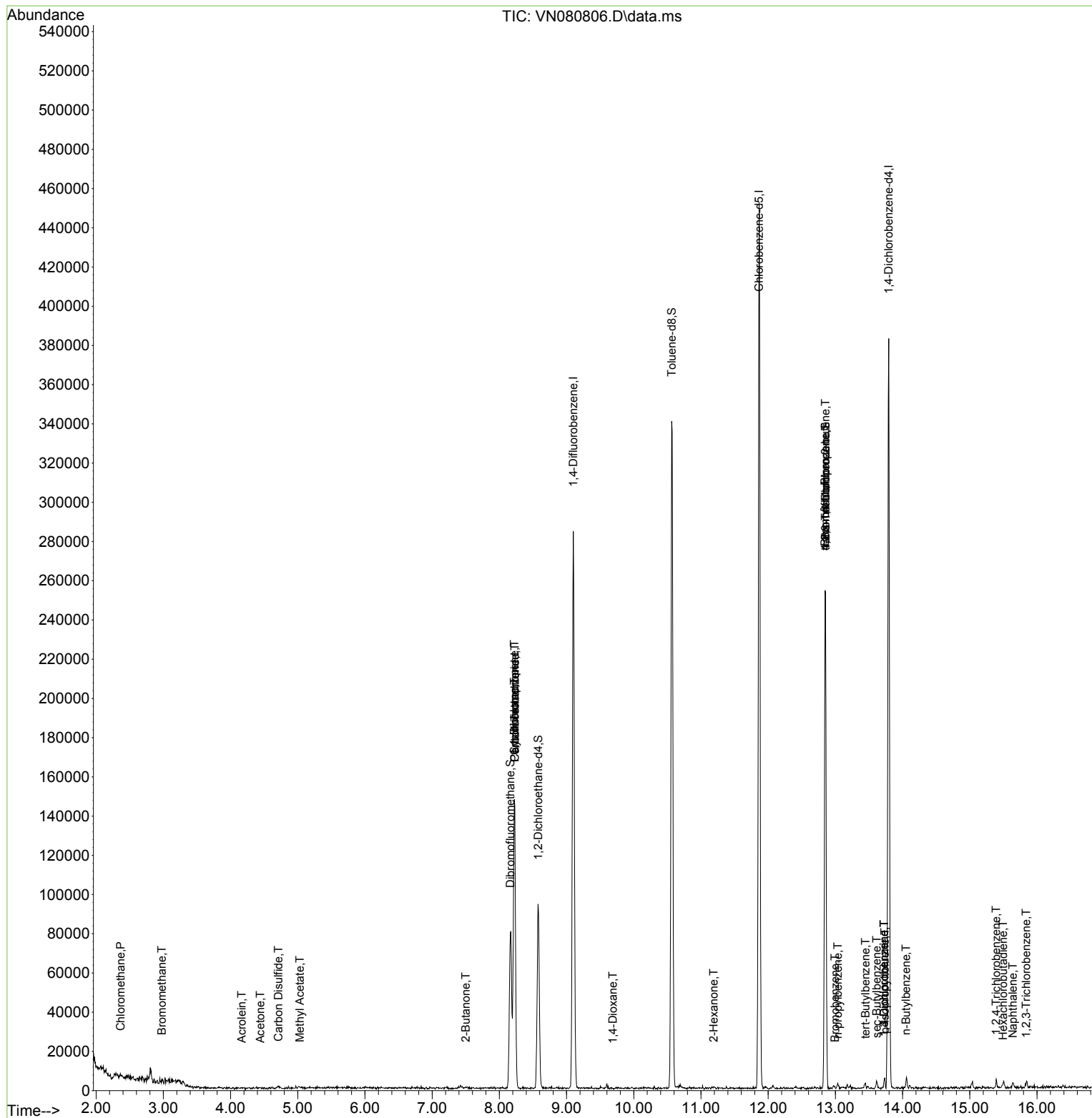
Internal Standards						
1) Pentafluorobenzene	8.230	168	92391	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	217883	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	226603	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	85042	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	71798	44.920	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.840%		
35) Dibromofluoromethane	8.165	113	57528	43.156	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	86.320%		
50) Toluene-d8	10.565	98	233587	44.771	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.540%		
62) 4-Bromofluorobenzene	12.853	95	88299	48.567	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.140%		
Target Compounds						Qvalue
3) Chloromethane	2.365	50	1801	0.873	ug/l	91
5) Bromomethane	2.977	94	327	0.521	ug/l	96
13) Acrolein	4.165	56	364	1.108	ug/l #	55
16) Acetone	4.442	43	123	0.212	ug/l #	44
17) Carbon Disulfide	4.712	76	2450	0.607	ug/l #	78
18) Methyl Acetate	5.030	43	531	0.263	ug/l #	54
25) 2-Butanone	7.500	43	255	0.232	ug/l #	51
31) Cyclohexane	8.224	56	3956	1.443	ug/l #	30
36) 1,1-Dichloropropene	8.224	75	10243	4.134	ug/l #	50
38) Carbon Tetrachloride	8.230	117	11851	5.937	ug/l #	17
49) 1,4-Dioxane	9.688	88	56	2.065	ug/l #	18
59) 2-Hexanone	11.188	43	626	0.310	ug/l	89
71) Bromoform	12.847	173	305	0.280	ug/l #	30
76) 1,2,3-Trichloropropane	12.853	75	52781	20.578	ug/l #	1
77) Bromobenzene	12.994	156	347	0.208	ug/l #	1
78) n-propylbenzene	13.035	91	2056	0.221	ug/l #	63
81) trans-1,4-Dichloro-2-b...	12.853	75	52781	53.014	ug/l #	14
83) tert-Butylbenzene	13.447	119	1554	0.314	ug/l	88
85) sec-Butylbenzene	13.617	105	2915	0.399	ug/l	88
86) p-Isopropyltoluene	13.735	119	2220	0.391	ug/l	86
87) 1,3-Dichlorobenzene	13.723	146	642	0.216	ug/l	82
88) 1,4-Dichlorobenzene	13.723	146	642	0.215	ug/l	79
89) n-Butylbenzene	14.053	91	3381	0.609	ug/l	89
93) 1,2,4-Trichlorobenzene	15.394	180	1511	1.077	ug/l #	56
94) Hexachlorobutadiene	15.494	225	403	0.658	ug/l #	28
95) Naphthalene	15.641	128	2914	0.543	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.841	180	1428	1.036	ug/l #	58

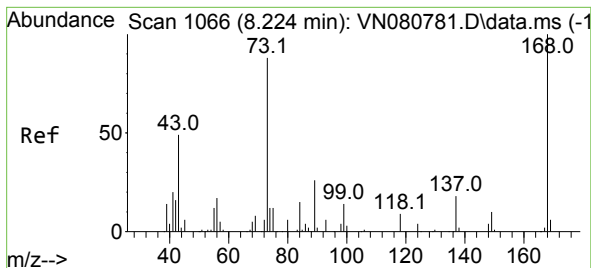
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 10

Delta R.T. 0.006 min

Lab File: VN080806.D

Acq: 30 Jan 2024 11:29

Instrument :

MSVOA_N

ClientSampleId :

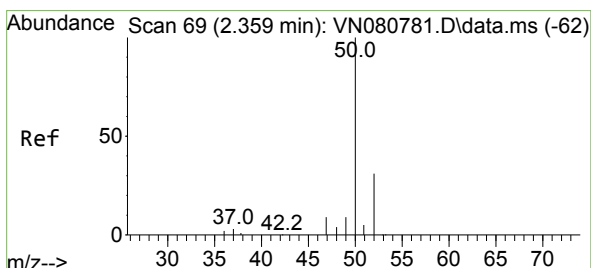
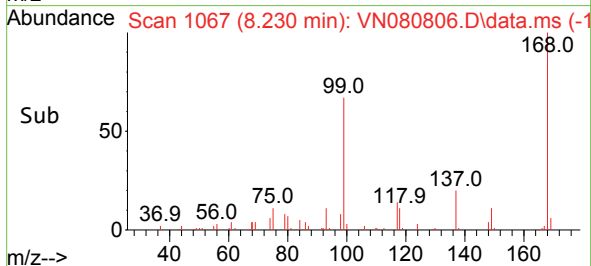
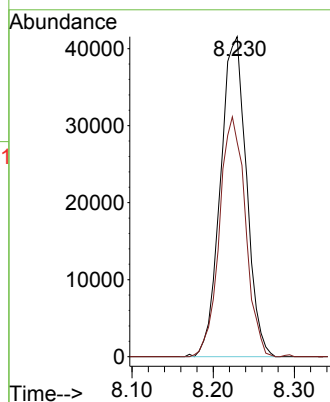
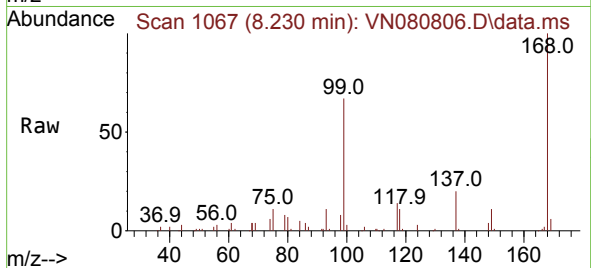
VN0130MBL01

Tgt Ion:168 Resp: 92391

Ion Ratio Lower Upper

168 100

99 67.0 59.9 89.9



#3

Chloromethane

Concen: 0.873 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.006 min

Lab File: VN080806.D

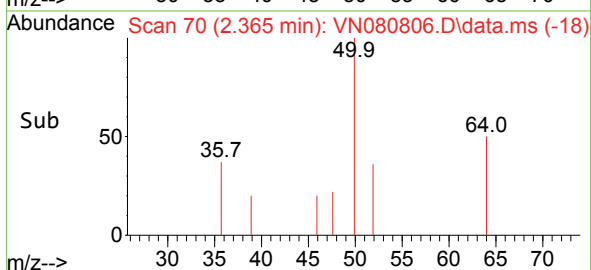
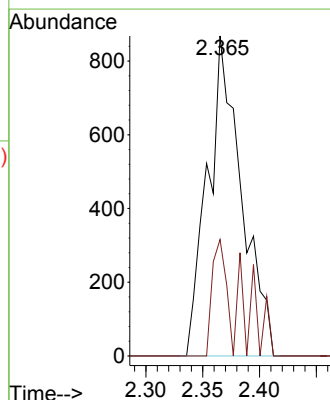
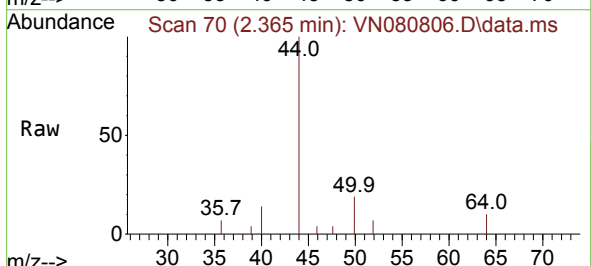
Acq: 30 Jan 2024 11:29

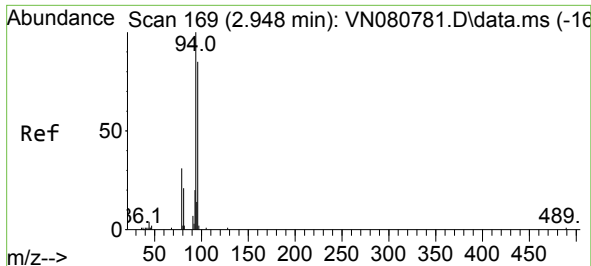
Tgt Ion: 50 Resp: 1801

Ion Ratio Lower Upper

50 100

52 36.4 25.0 37.4

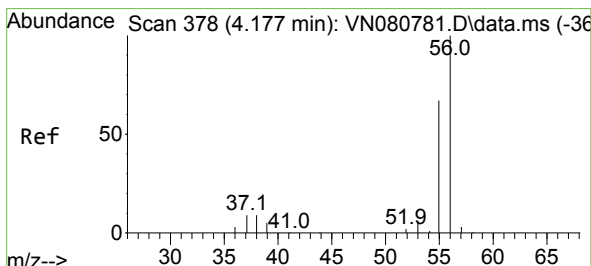
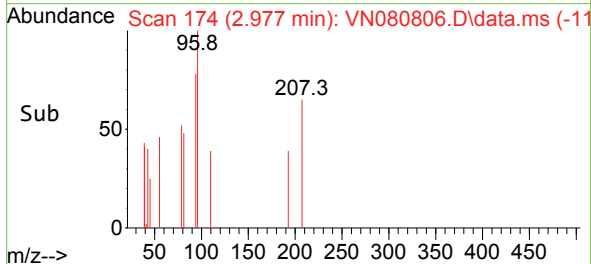
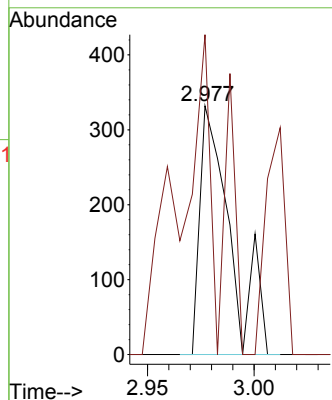
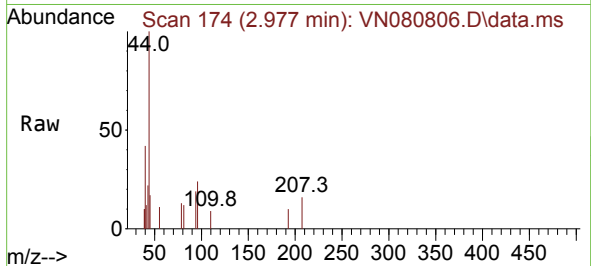




#5
Bromomethane
Concen: 0.521 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN080806.D
Acq: 30 Jan 2024 11:29

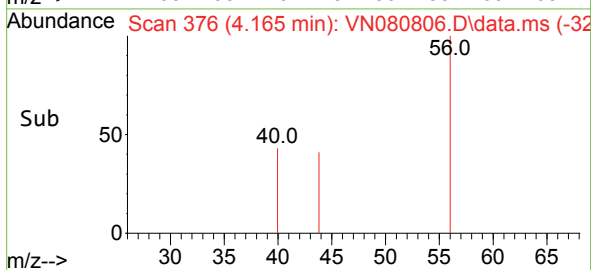
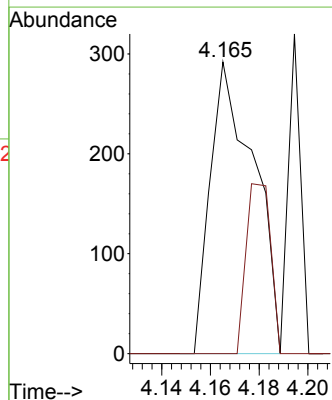
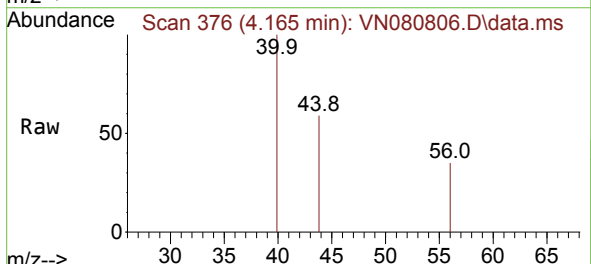
Instrument :
MSVOA_N
ClientSampleId :
VN0130MBL01

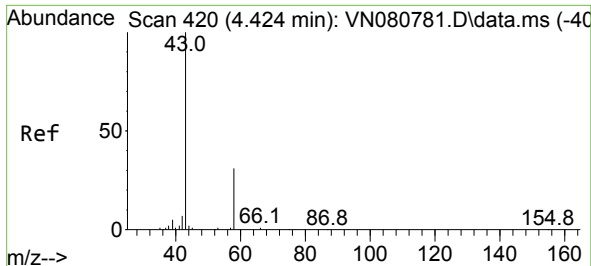
Tgt Ion: 94 Resp: 327
Ion Ratio Lower Upper
94 100
96 82.8 69.2 103.8



#13
Acrolein
Concen: 1.108 ug/l
RT: 4.165 min Scan# 376
Delta R.T. -0.012 min
Lab File: VN080806.D
Acq: 30 Jan 2024 11:29

Tgt Ion: 56 Resp: 364
Ion Ratio Lower Upper
56 100
55 32.7 55.3 82.9#

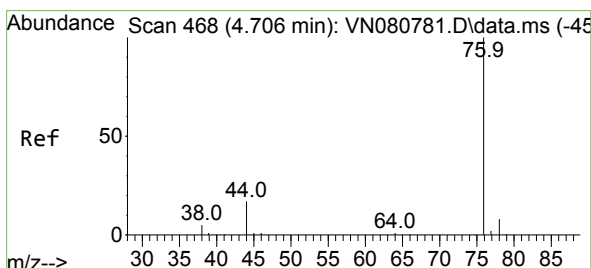
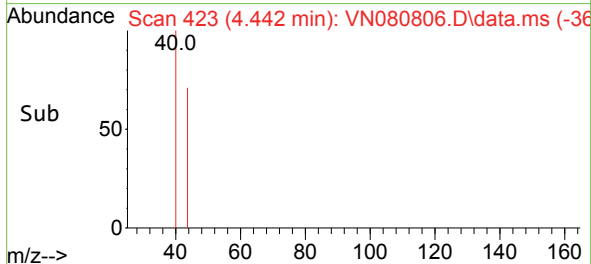
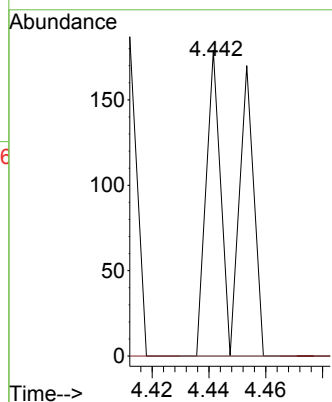
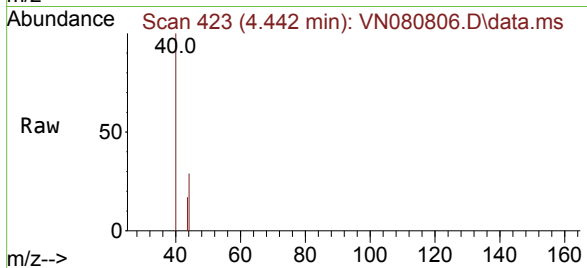




#16
Acetone
Concen: 0.212 ug/l
RT: 4.442 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN080806.D
Acq: 30 Jan 2024 11:29

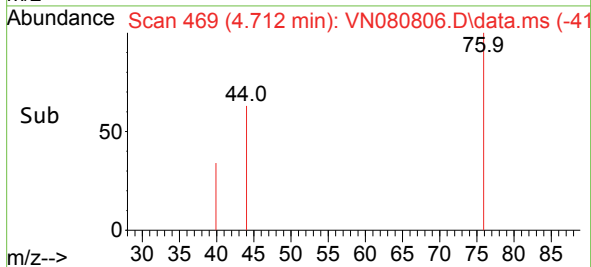
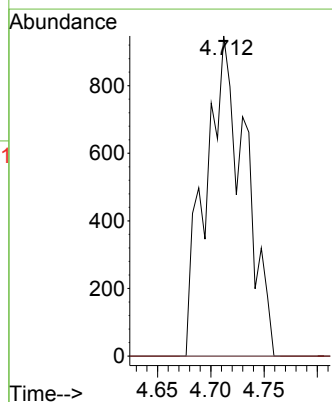
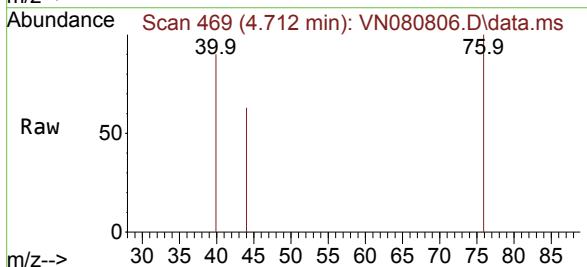
Instrument :
MSVOA_N
ClientSampleId :
VN0130MBL01

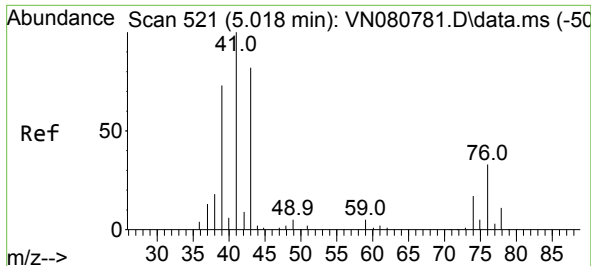
Tgt Ion: 43 Resp: 123
Ion Ratio Lower Upper
43 100
58 0.0 24.8 37.2#



#17
Carbon Disulfide
Concen: 0.607 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.006 min
Lab File: VN080806.D
Acq: 30 Jan 2024 11:29

Tgt Ion: 76 Resp: 2450
Ion Ratio Lower Upper
76 100
78 0.0 6.3 9.5#

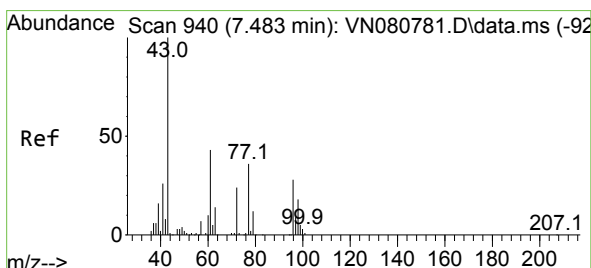
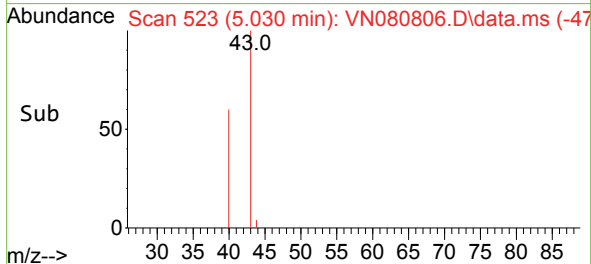
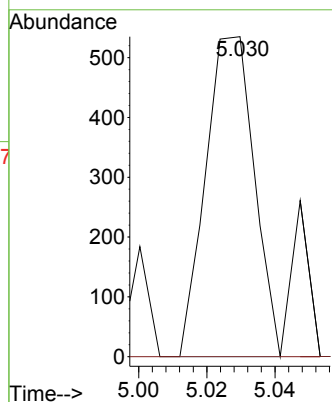
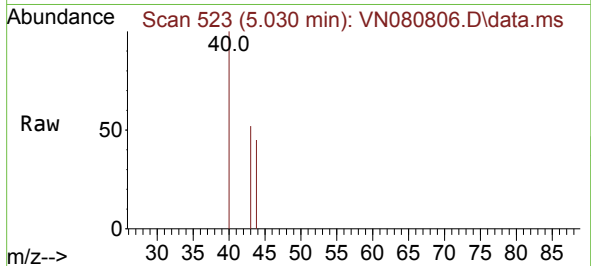




#18
Methyl Acetate
Concen: 0.263 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN080806.D
Acq: 30 Jan 2024 11:29

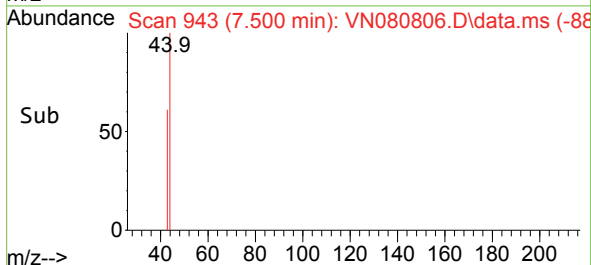
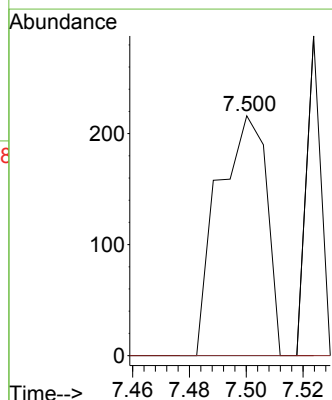
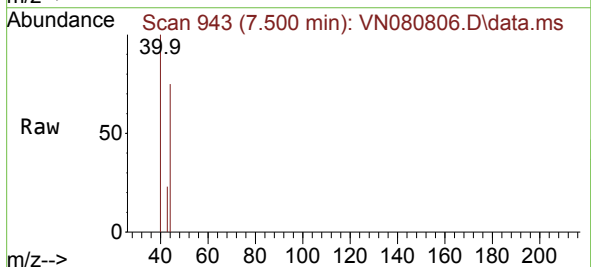
Instrument :
MSVOA_N
ClientSampleId :
VN0130MBL01

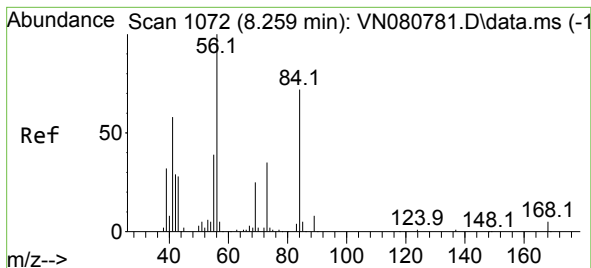
Tgt Ion: 43 Resp: 531
Ion Ratio Lower Upper
43 100
74 0.0 17.3 25.9#



#25
2-Butanone
Concen: 0.232 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.018 min
Lab File: VN080806.D
Acq: 30 Jan 2024 11:29

Tgt Ion: 43 Resp: 255
Ion Ratio Lower Upper
43 100
72 0.0 19.5 29.3#





#31

Cyclohexane

Concen: 1.443 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.035 min

Lab File: VN080806.D

Acq: 30 Jan 2024 11:29

Instrument :

MSVOA_N

ClientSampleId :

VN0130MBL01

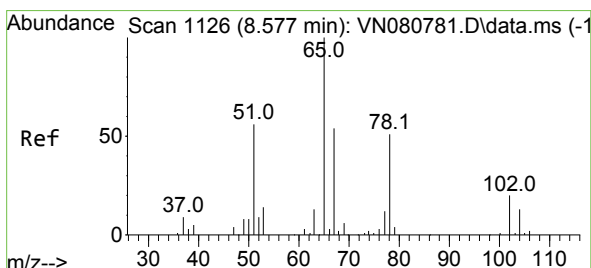
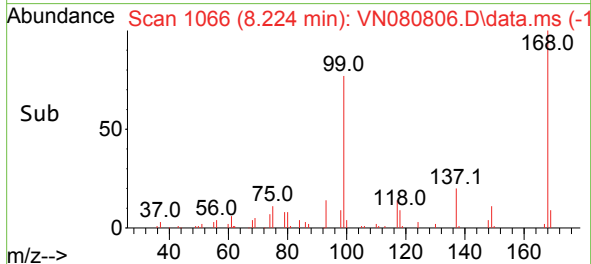
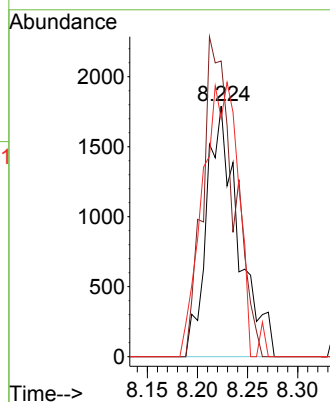
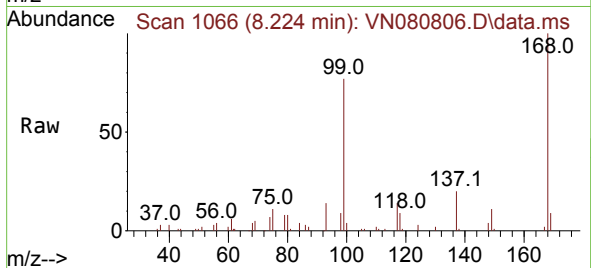
Tgt Ion: 56 Resp: 3956

Ion Ratio Lower Upper

56 100

69 118.0 20.1 30.1#

84 95.0 56.9 85.3#



#33

1,2-Dichloroethane-d4

Concen: 44.920 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN080806.D

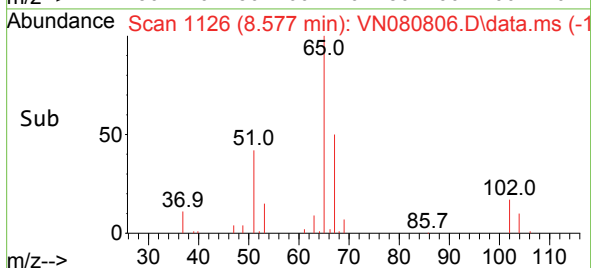
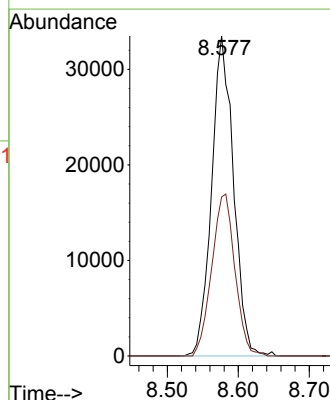
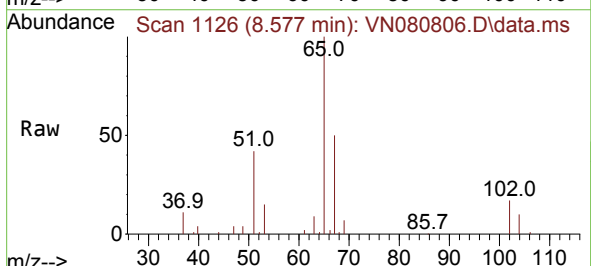
Acq: 30 Jan 2024 11:29

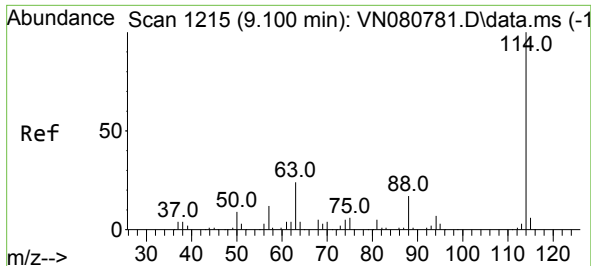
Tgt Ion: 65 Resp: 71798

Ion Ratio Lower Upper

65 100

67 53.4 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: VN080806.D

Acq: 30 Jan 2024 11:29

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ClientSampleId :

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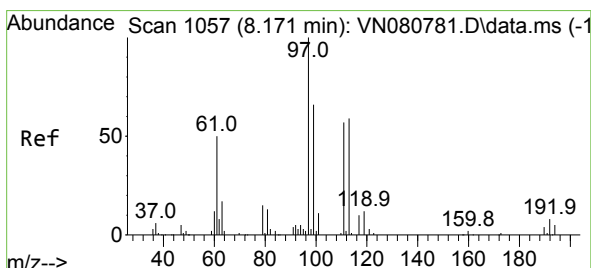
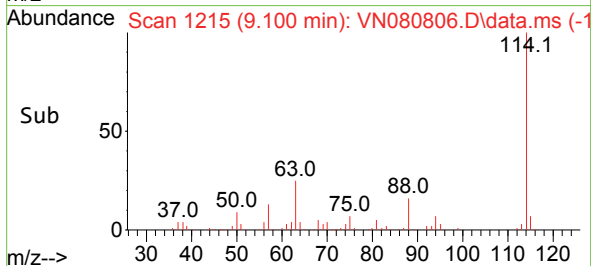
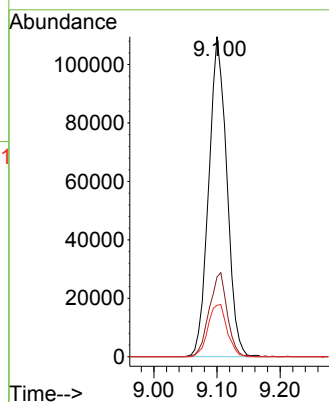
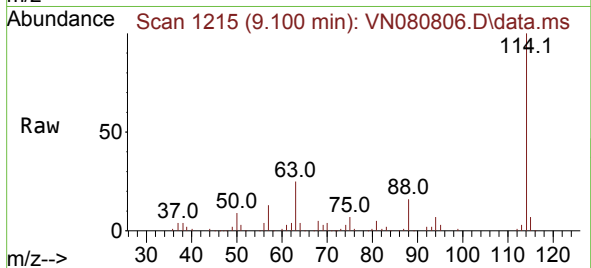
Tgt Ion:114 Resp: 217883

Ion Ratio Lower Upper

114 100

63 24.9 0.0 48.0

88 16.1 0.0 34.8



#35

Dibromofluoromethane

Concen: 43.156 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN080806.D

Acq: 30 Jan 2024 11:29

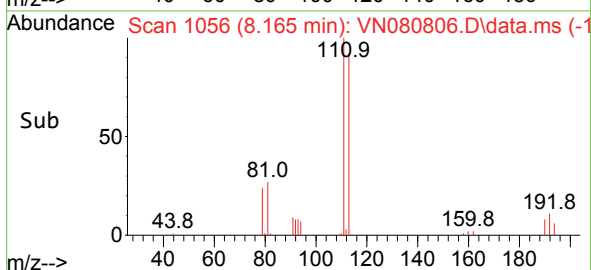
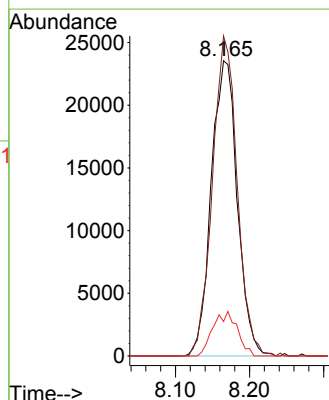
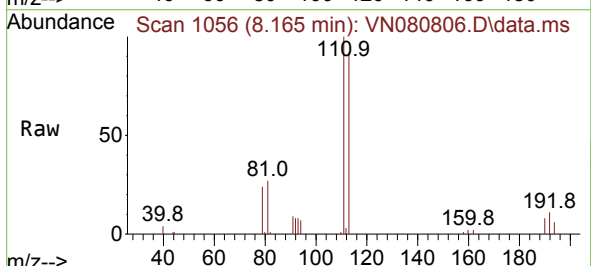
Tgt Ion:113 Resp: 57528

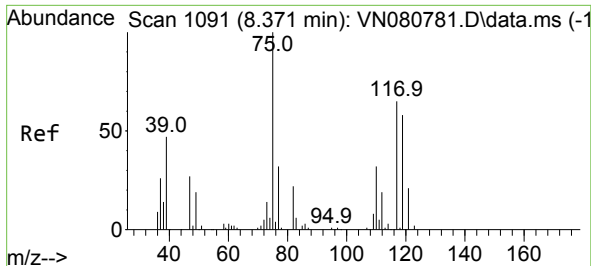
Ion Ratio Lower Upper

113 100

111 103.0 82.2 123.4

192 14.1 12.5 18.7

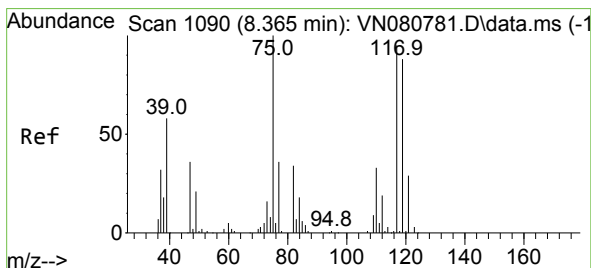
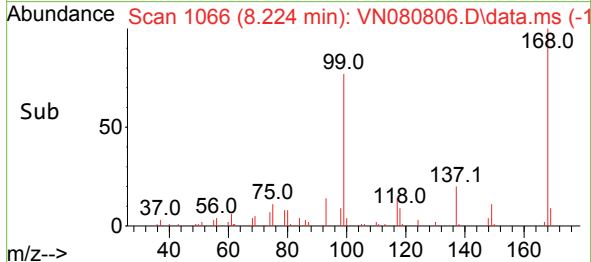
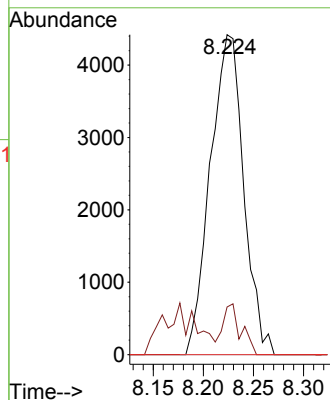
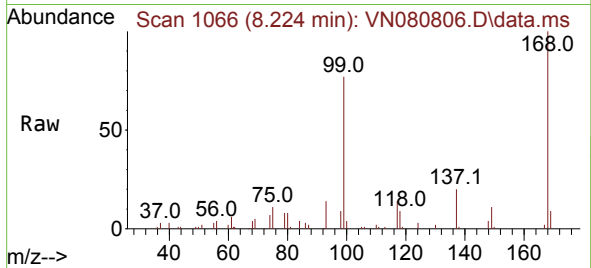




#36
1,1-Dichloropropene
Concen: 4.134 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN080806.D
Acq: 30 Jan 2024 11:29

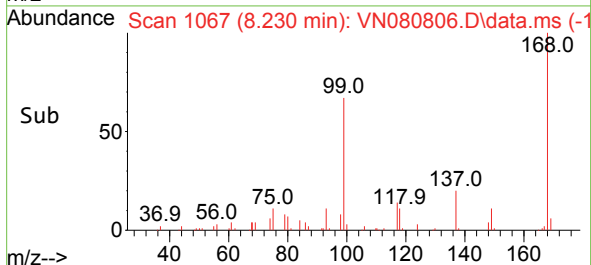
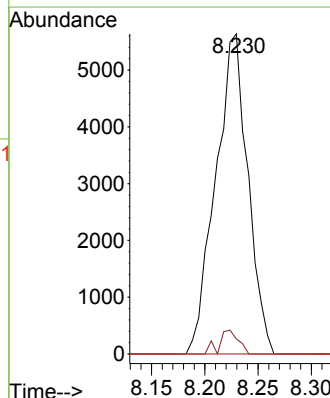
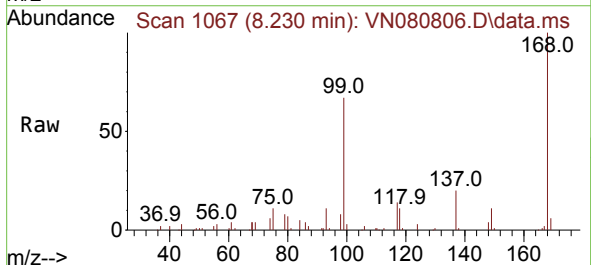
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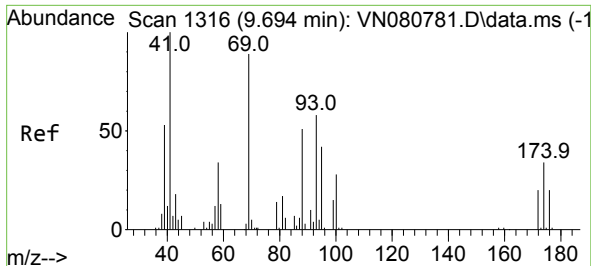
Tgt Ion: 75 Resp: 10243
Ion Ratio Lower Upper
75 100
110 8.5 16.0 48.0#
77 0.0 25.8 38.6#



#38
Carbon Tetrachloride
Concen: 5.937 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.135 min
Lab File: VN080806.D
Acq: 30 Jan 2024 11:29

Tgt Ion: 117 Resp: 11851
Ion Ratio Lower Upper
117 100
119 4.7 73.4 110.2#
121 0.0 24.4 36.6#





#49

1,4-Dioxane

Concen: 2.065 ug/l

RT: 9.688 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN080806.D

Acq: 30 Jan 2024 11:29

Instrument :

MSVOA_N

ClientSampleId :

VN0130MBL01

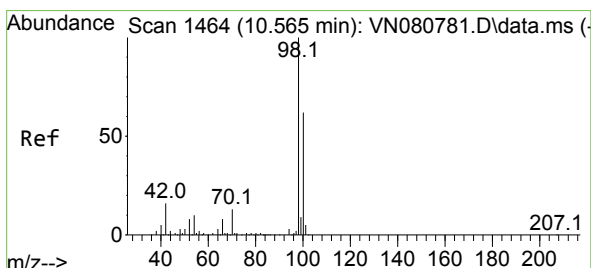
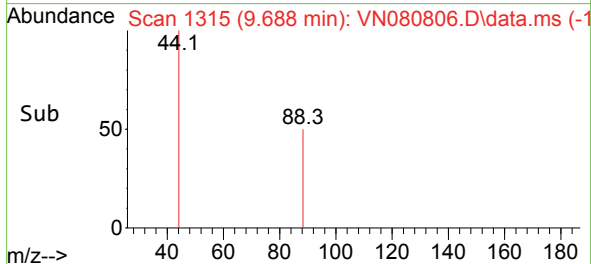
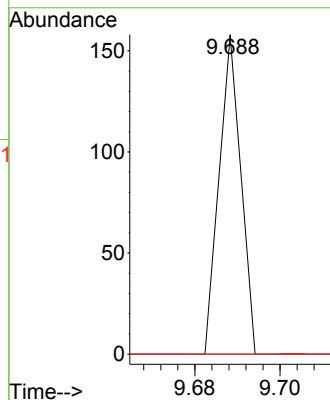
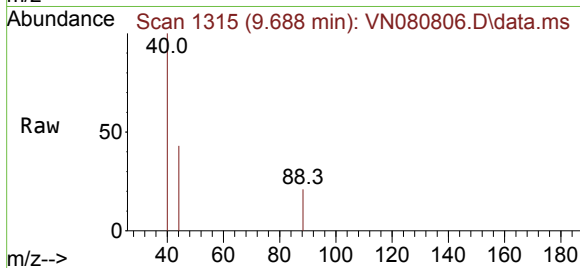
Tgt Ion: 88 Resp: 56

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 0.0 63.9 95.9#



#50

Toluene-d8

Concen: 44.771 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN080806.D

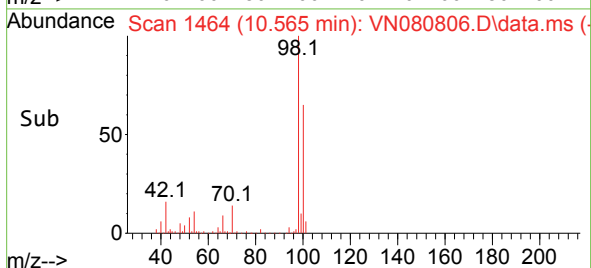
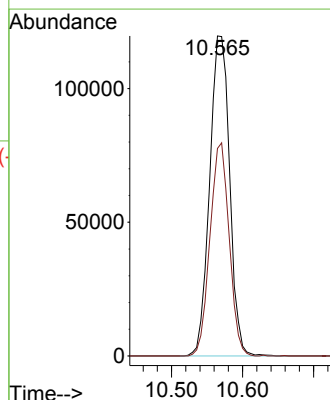
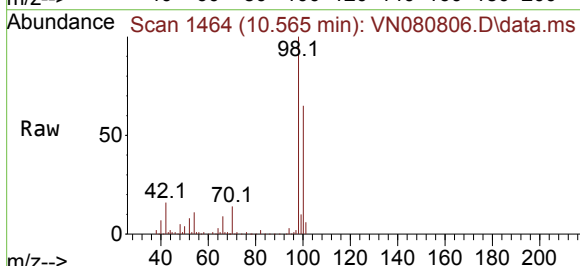
Acq: 30 Jan 2024 11:29

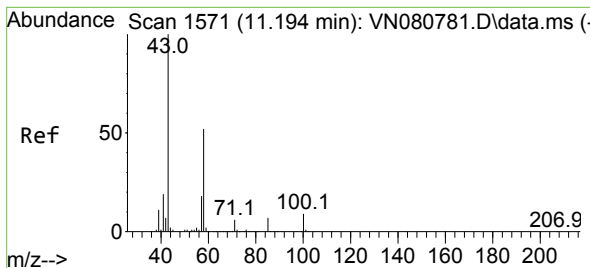
Tgt Ion: 98 Resp: 233587

Ion Ratio Lower Upper

98 100

100 64.0 51.4 77.0

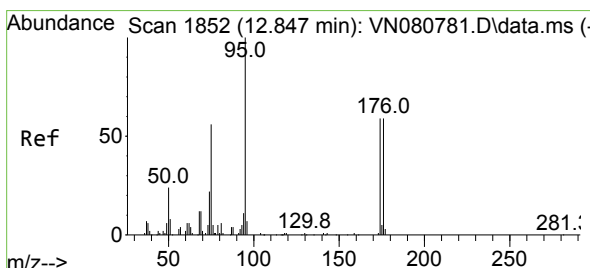
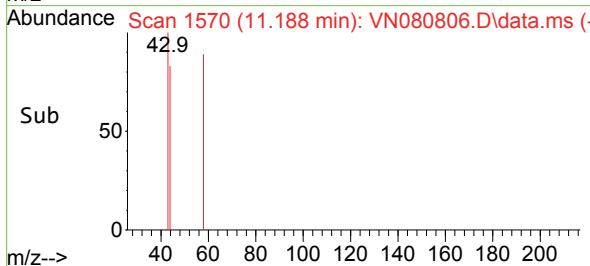
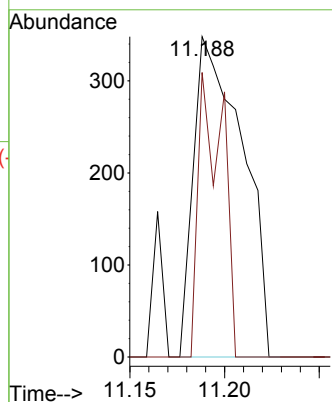
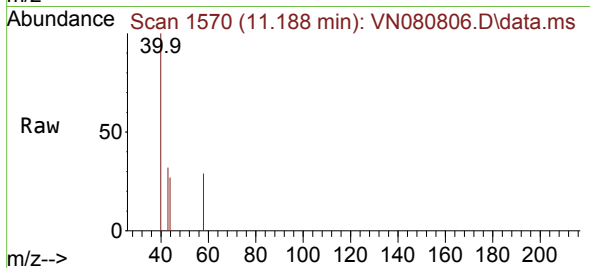




#59
2-Hexanone
Concen: 0.310 ug/l
RT: 11.188 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN080806.D
Acq: 30 Jan 2024 11:29

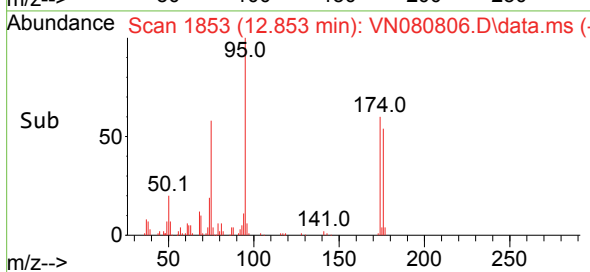
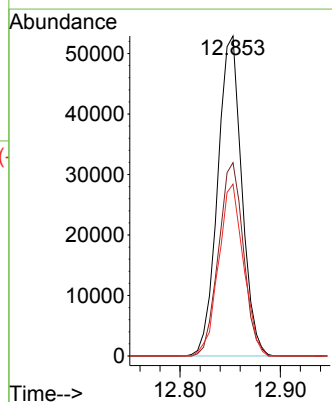
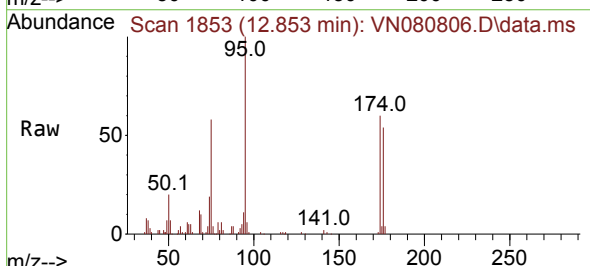
Instrument :
MSVOA_N
ClientSampleId :
VN0130MBL01

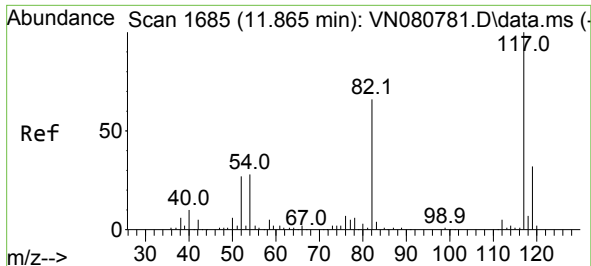
Tgt Ion: 43 Resp: 626
Ion Ratio Lower Upper
43 100
58 44.1 25.9 77.8



#62
4-Bromofluorobenzene
Concen: 48.567 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080806.D
Acq: 30 Jan 2024 11:29

Tgt Ion: 95 Resp: 88299
Ion Ratio Lower Upper
95 100
174 62.0 0.0 120.4
176 55.3 0.0 121.0

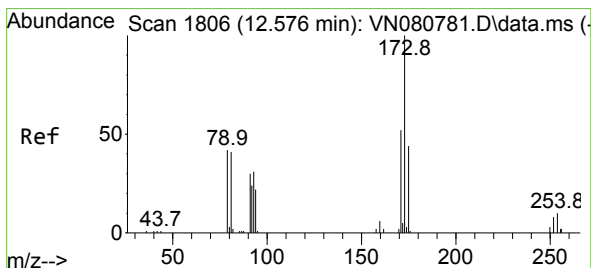
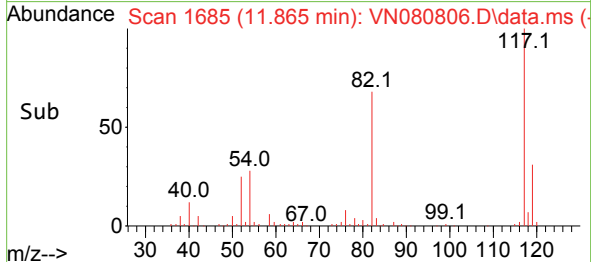
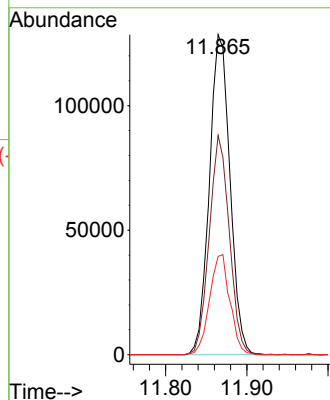
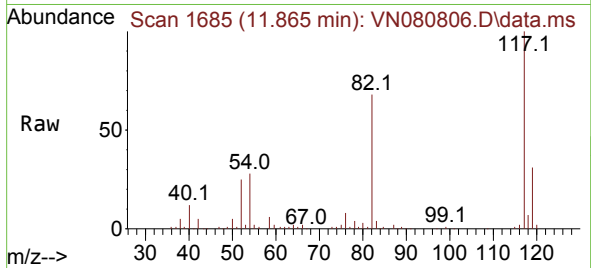




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VN080806.D
Acq: 30 Jan 2024 11:29

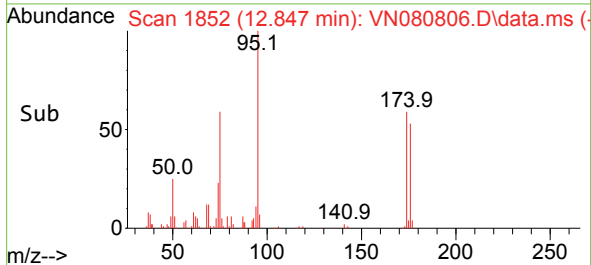
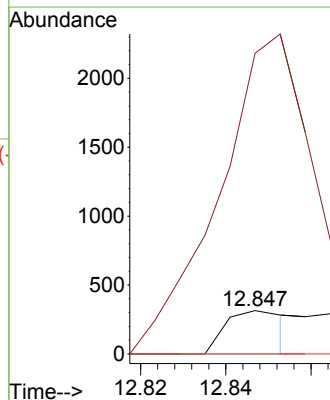
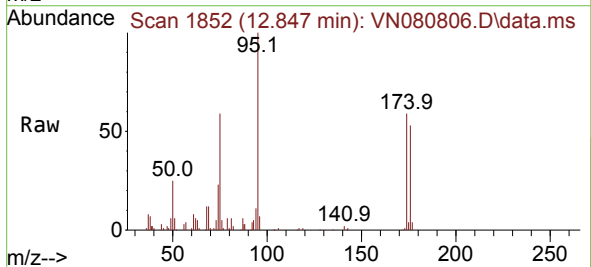
Instrument :
MSVOA_N
ClientSampleId :
VN0130MBL01

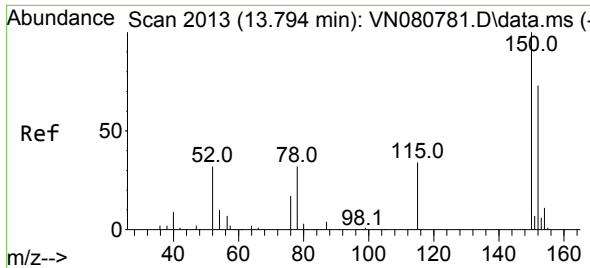
Tgt Ion:117 Resp: 226603
Ion Ratio Lower Upper
117 100
82 68.5 52.7 79.1
119 30.7 25.3 37.9



#71
Bromoform
Concen: 0.280 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN080806.D
Acq: 30 Jan 2024 11:29

Tgt Ion:173 Resp: 305
Ion Ratio Lower Upper
173 100
175 0.0 23.1 69.2#
254 0.0 0.0 0.0

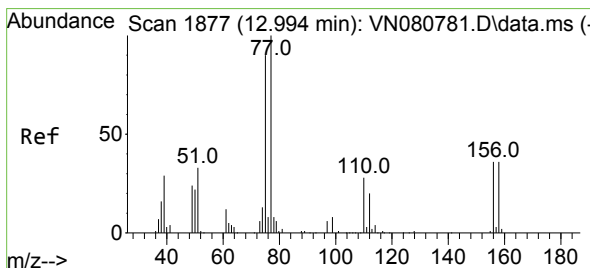
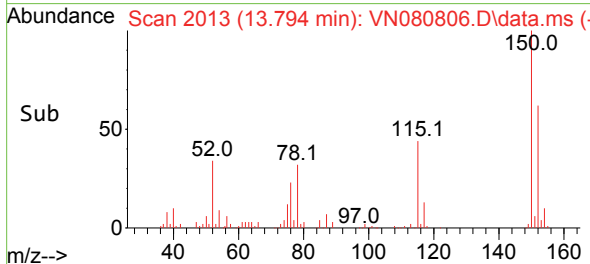
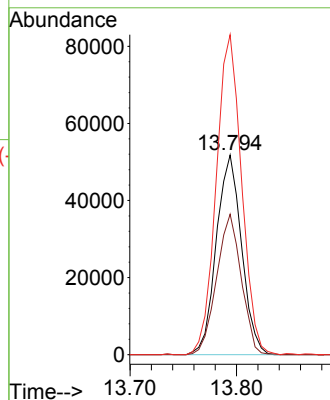
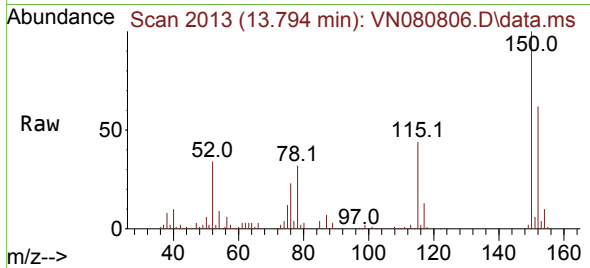




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 2013
 Delta R.T. -0.000 min
 Lab File: VN080806.D
 Acq: 30 Jan 2024 11:29

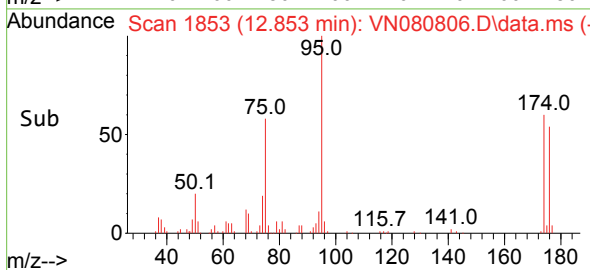
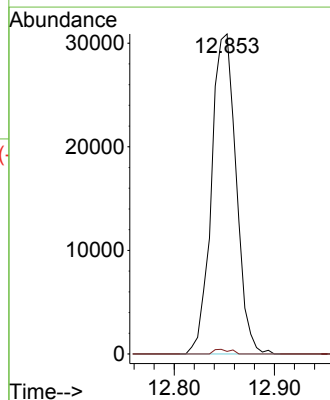
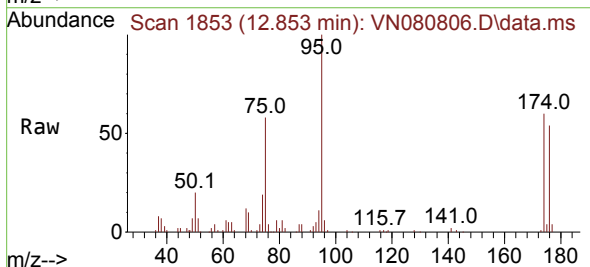
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0130MBL01

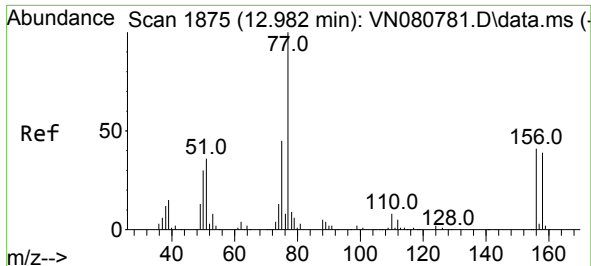
Tgt Ion:152 Resp: 85042
 Ion Ratio Lower Upper
 152 100
 115 68.7 32.3 96.8
 150 161.0 0.0 339.8



#76
 1,2,3-Trichloropropane
 Concen: 20.578 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.141 min
 Lab File: VN080806.D
 Acq: 30 Jan 2024 11:29

Tgt Ion: 75 Resp: 52781
 Ion Ratio Lower Upper
 75 100
 77 1.0 91.0 272.8#

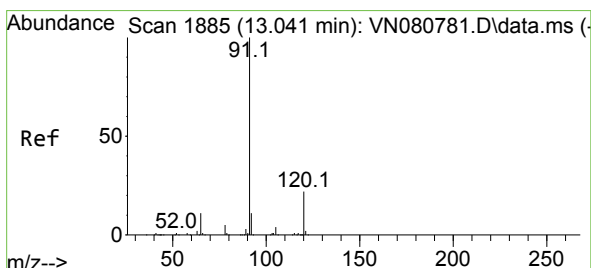
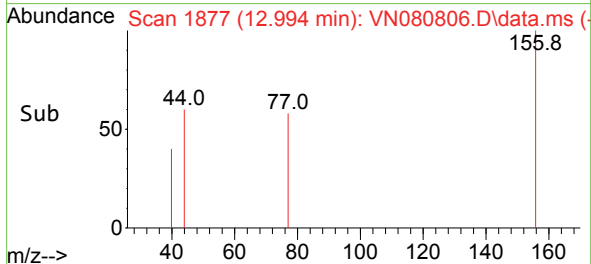
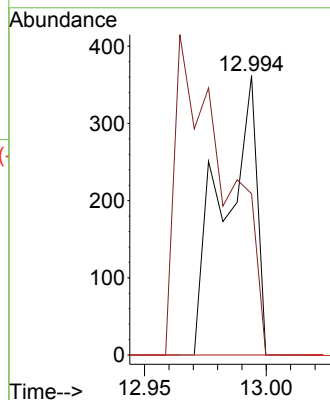
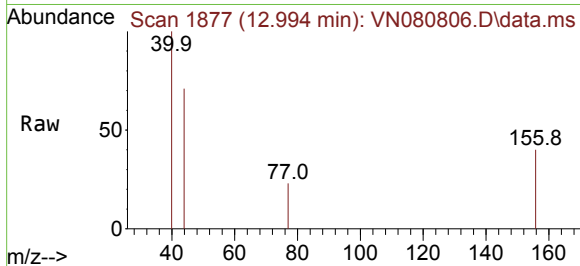




#77
Bromobenzene
Concen: 0.208 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. 0.012 min
Lab File: VN080806.D
Acq: 30 Jan 2024 11:29

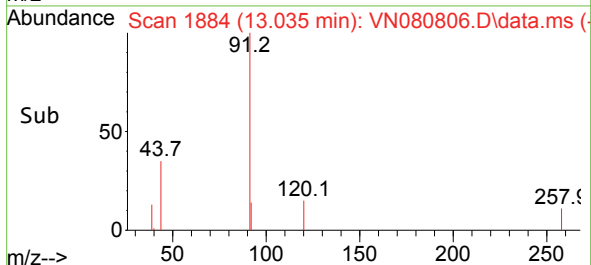
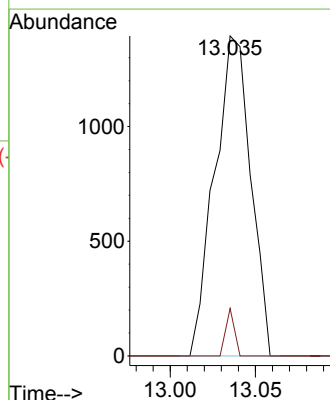
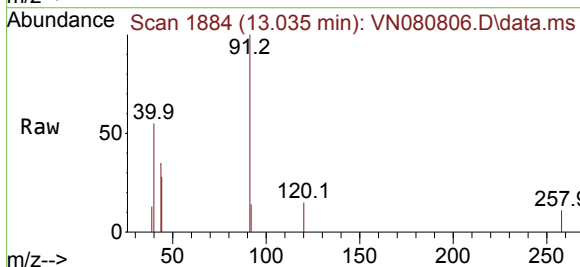
Instrument :
MSVOA_N
ClientSampleId :
VN0130MBL01

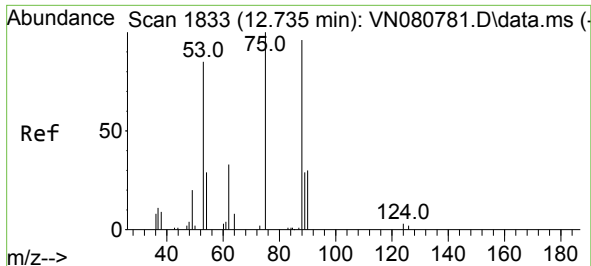
Tgt Ion:156 Resp: 347
Ion Ratio Lower Upper
156 100
77 0.0 138.1 414.3#
158 0.0 46.5 139.5#



#78
n-propylbenzene
Concen: 0.221 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.006 min
Lab File: VN080806.D
Acq: 30 Jan 2024 11:29

Tgt Ion: 91 Resp: 2056
Ion Ratio Lower Upper
91 100
120 3.6 10.3 30.9#

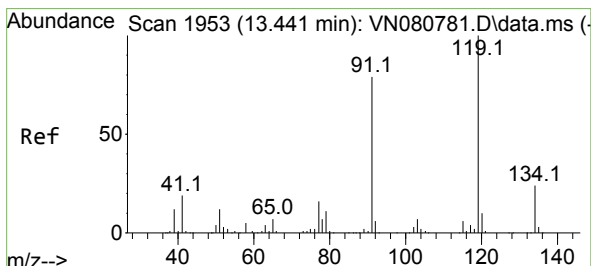
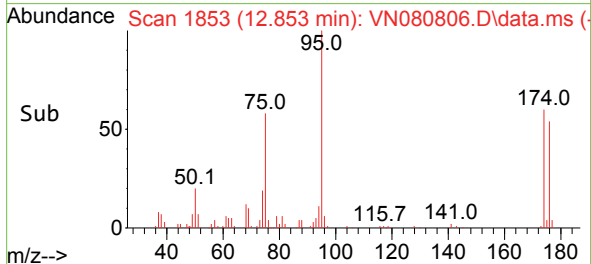
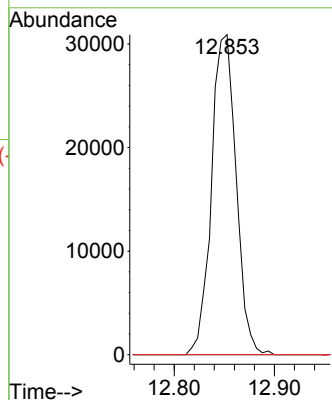
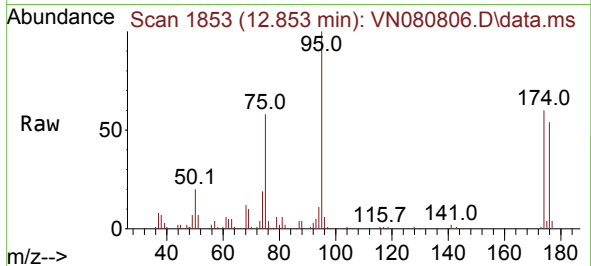




#81
 trans-1,4-Dichloro-2-butene
 Concen: 53.014 ug/l
 RT: 12.853 min Scan# 1833
 Delta R.T. 0.118 min
 Lab File: VN080806.D
 Acq: 30 Jan 2024 11:29

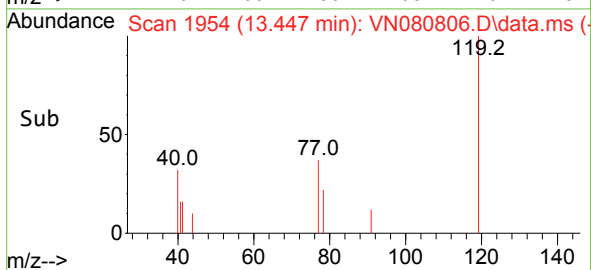
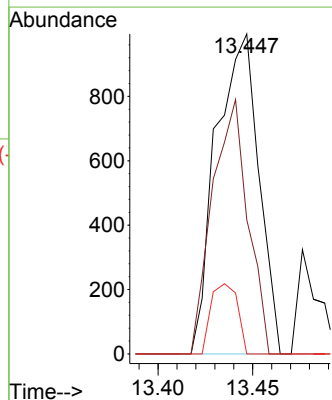
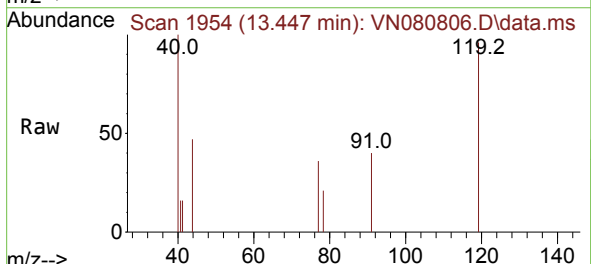
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0130MBL01

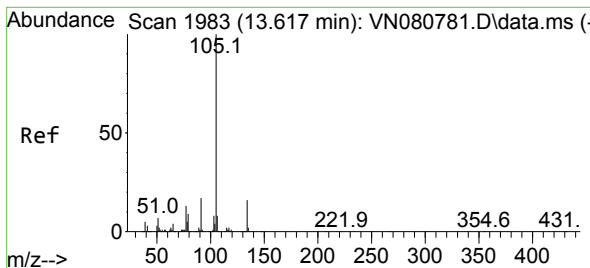
Tgt Ion: 75 Resp: 52781
 Ion Ratio Lower Upper
 75 100
 53 0.0 71.4 107.2#
 89 0.0 33.4 50.0#



#83
 tert-Butylbenzene
 Concen: 0.314 ug/l
 RT: 13.447 min Scan# 1954
 Delta R.T. 0.006 min
 Lab File: VN080806.D
 Acq: 30 Jan 2024 11:29

Tgt Ion: 119 Resp: 1554
 Ion Ratio Lower Upper
 119 100
 91 66.3 36.8 110.4
 134 13.6 12.4 37.4





#85

sec-Butylbenzene

Concen: 0.399 ug/l

RT: 13.617 min Scan# 1983

Delta R.T. -0.000 min

Lab File: VN080806.D

Acq: 30 Jan 2024 11:29

Instrument :

MSVOA_N

ClientSampleId :

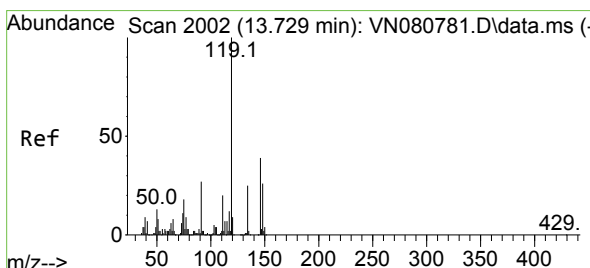
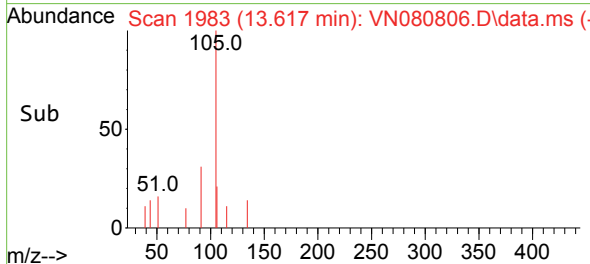
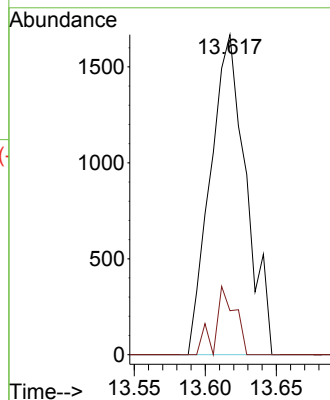
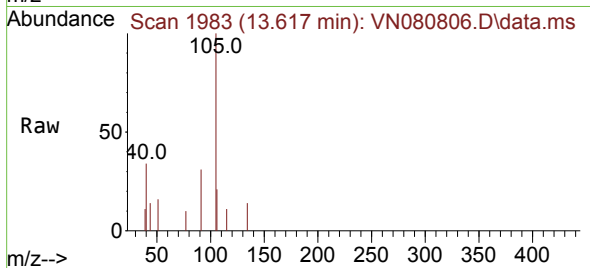
VN0130MBL01

Tgt Ion:105 Resp: 2915

Ion Ratio Lower Upper

105 100

134 11.9 8.6 25.8



#86

p-Isopropyltoluene

Concen: 0.391 ug/l

RT: 13.735 min Scan# 2003

Delta R.T. 0.006 min

Lab File: VN080806.D

Acq: 30 Jan 2024 11:29

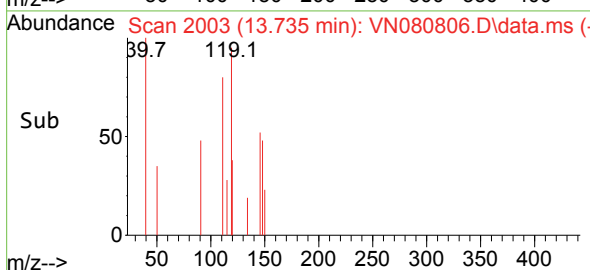
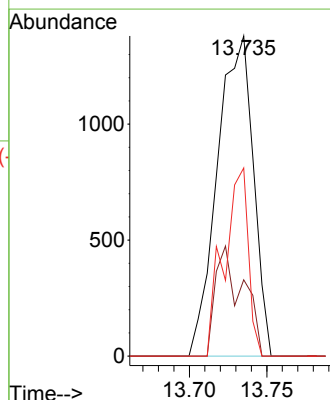
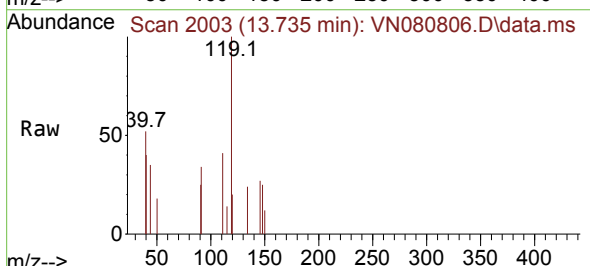
Tgt Ion:119 Resp: 2220

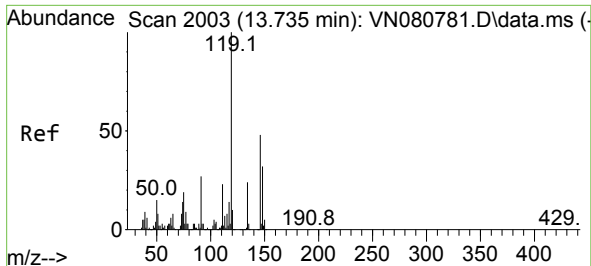
Ion Ratio Lower Upper

119 100

134 26.2 12.4 37.2

91 39.7 13.5 40.4





#87

1,3-Dichlorobenzene

Concen: 0.216 ug/l

RT: 13.723 min Scan# 2001

Delta R.T. -0.012 min

Lab File: VN080806.D

Acq: 30 Jan 2024 11:29

Instrument :

MSVOA_N

ClientSampleId :

VN0130MBL01

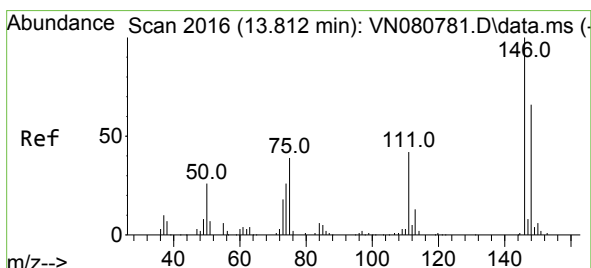
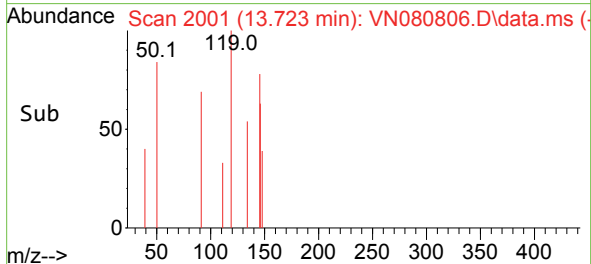
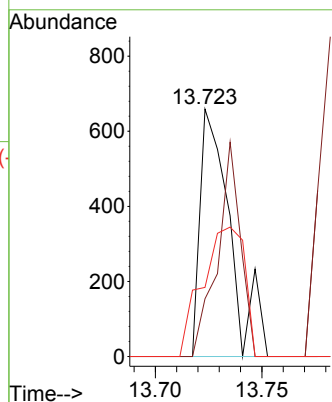
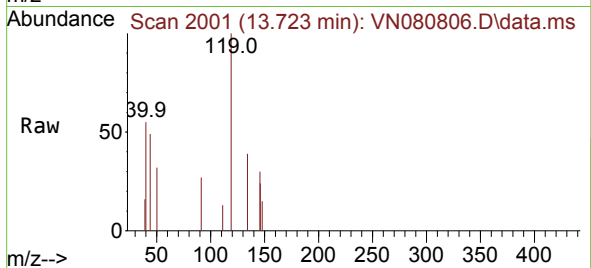
Tgt Ion:146 Resp: 642

Ion Ratio Lower Upper

146 100

111 66.5 23.9 71.7

148 73.8 32.6 97.7



#88

1,4-Dichlorobenzene

Concen: 0.215 ug/l

RT: 13.723 min Scan# 2001

Delta R.T. -0.088 min

Lab File: VN080806.D

Acq: 30 Jan 2024 11:29

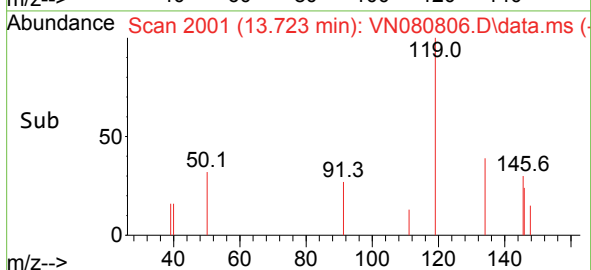
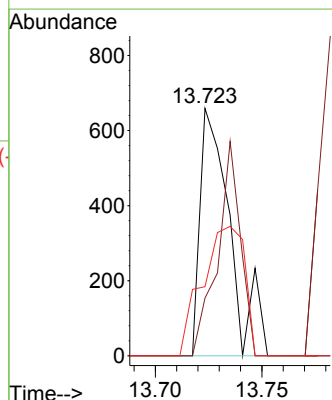
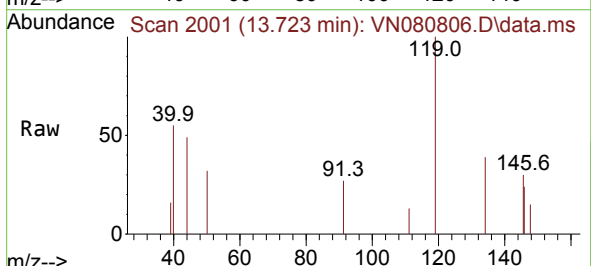
Tgt Ion:146 Resp: 642

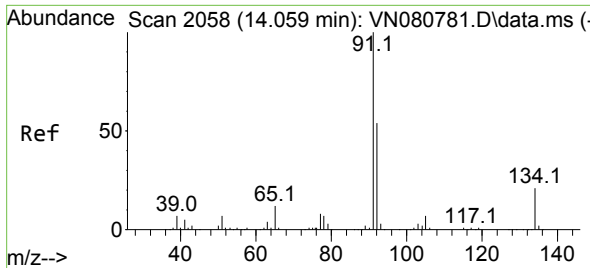
Ion Ratio Lower Upper

146 100

111 66.5 22.6 67.7

148 73.8 31.9 95.5

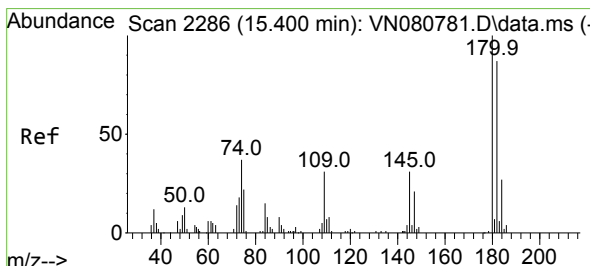
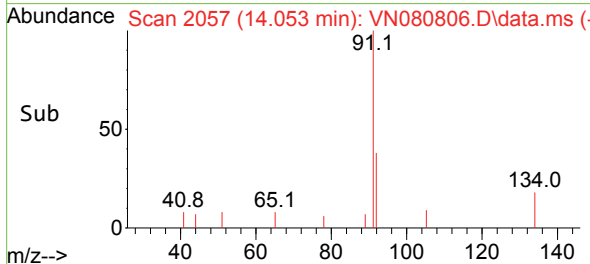
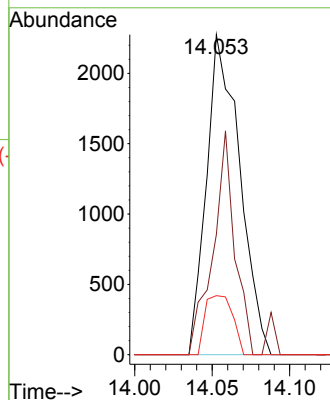
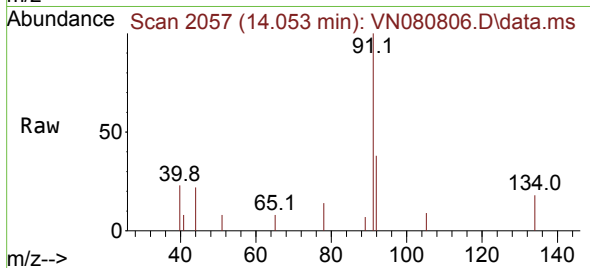




#89
n-Butylbenzene
Concen: 0.609 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.006 min
Lab File: VN080806.D
Acq: 30 Jan 2024 11:29

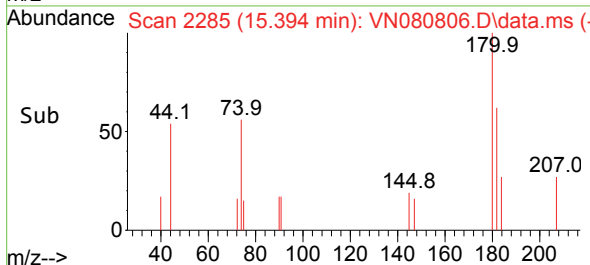
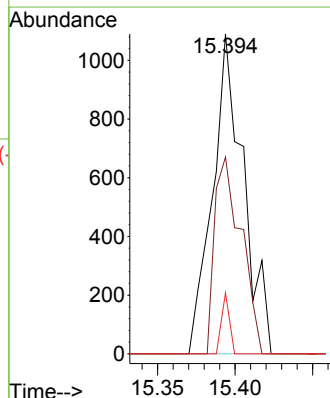
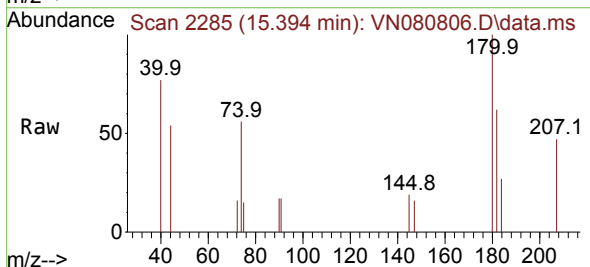
Instrument :
MSVOA_N
ClientSampleId :
VN0130MBL01

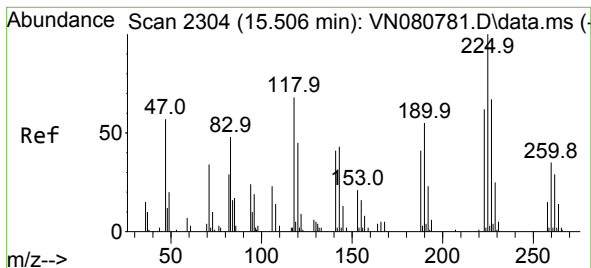
Tgt Ion:	91	Resp:	3381
Ion	Ratio	Lower	Upper
91	100		
92	46.0	26.7	80.1
134	15.4	10.8	32.4



#93
1,2,4-Trichlorobenzene
Concen: 1.077 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. -0.006 min
Lab File: VN080806.D
Acq: 30 Jan 2024 11:29

Tgt Ion:	180	Resp:	1511
Ion	Ratio	Lower	Upper
180	100		
182	52.9	46.6	139.7
145	4.8	16.8	50.3





#94

Hexachlorobutadiene

Concen: 0.658 ug/l

RT: 15.494 min Scan# 21

Delta R.T. -0.012 min

Lab File: VN080806.D

Acq: 30 Jan 2024 11:29

Instrument :

MSVOA_N

ClientSampleId :

VN0130MBL01

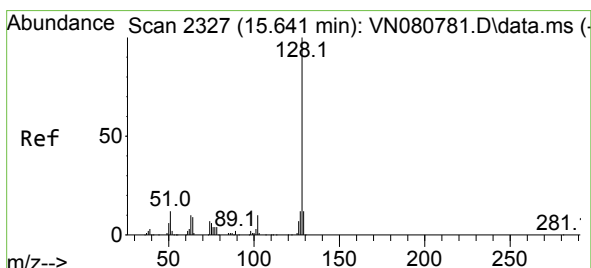
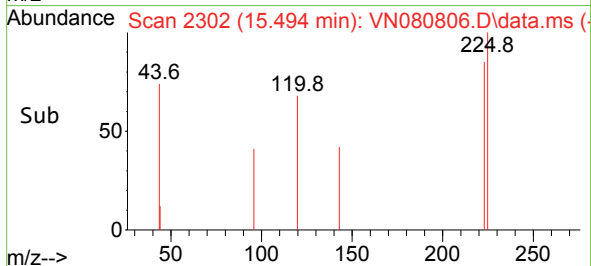
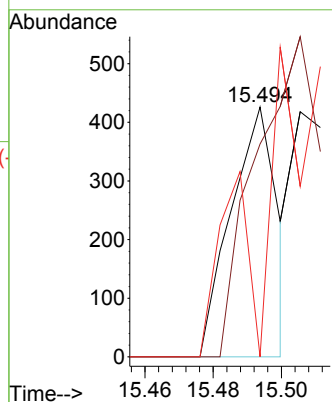
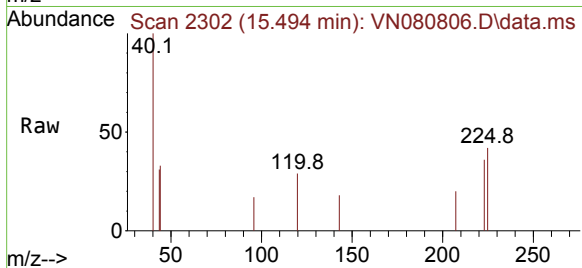
Tgt Ion:225 Resp: 403

Ion Ratio Lower Upper

225 100

223 0.0 33.3 99.8#

227 115.1 33.1 99.2#



#95

Naphthalene

Concen: 0.543 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN080806.D

Acq: 30 Jan 2024 11:29

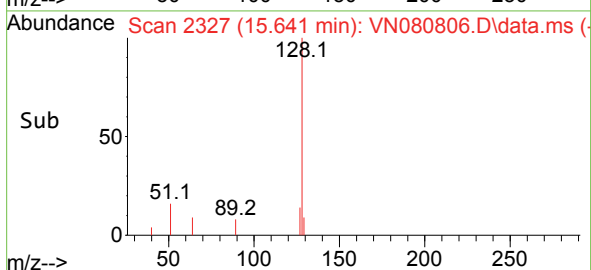
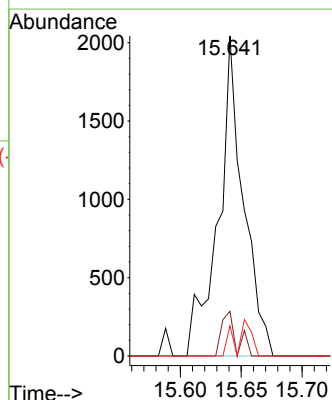
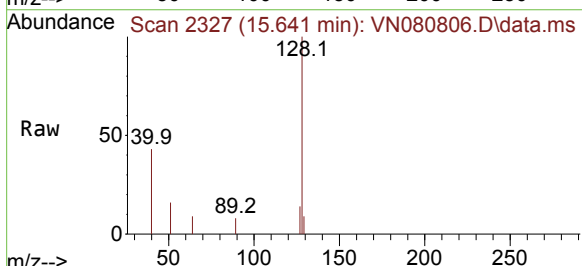
Tgt Ion:128 Resp: 2914

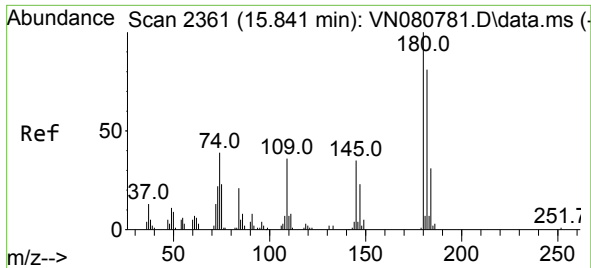
Ion Ratio Lower Upper

128 100

127 8.2 10.0 15.0#

129 7.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.036 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN080806.D
 Acq: 30 Jan 2024 11:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0130MBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	45.5	46.5	139.3#
145	22.9	17.8	53.4

