

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072424\
 Data File : VN083021.D
 Acq On : 24 Jul 2024 10:42
 Operator : JC\MD
 Sample : VN0724MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0724MBL01

Quant Time: Jul 25 02:34:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 08 13:46:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	161106	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	312549	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	306763	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	120040	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	119790	53.042	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.080%	
35) Dibromofluoromethane	8.171	113	99786	49.755	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.520%	
50) Toluene-d8	10.571	98	344819	46.550	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 93.100%	
62) 4-Bromofluorobenzene	12.853	95	111500	41.904	ug/l	0.00
Spiked Amount	50.000	Range	64 - 133	Recovery	= 83.800%	

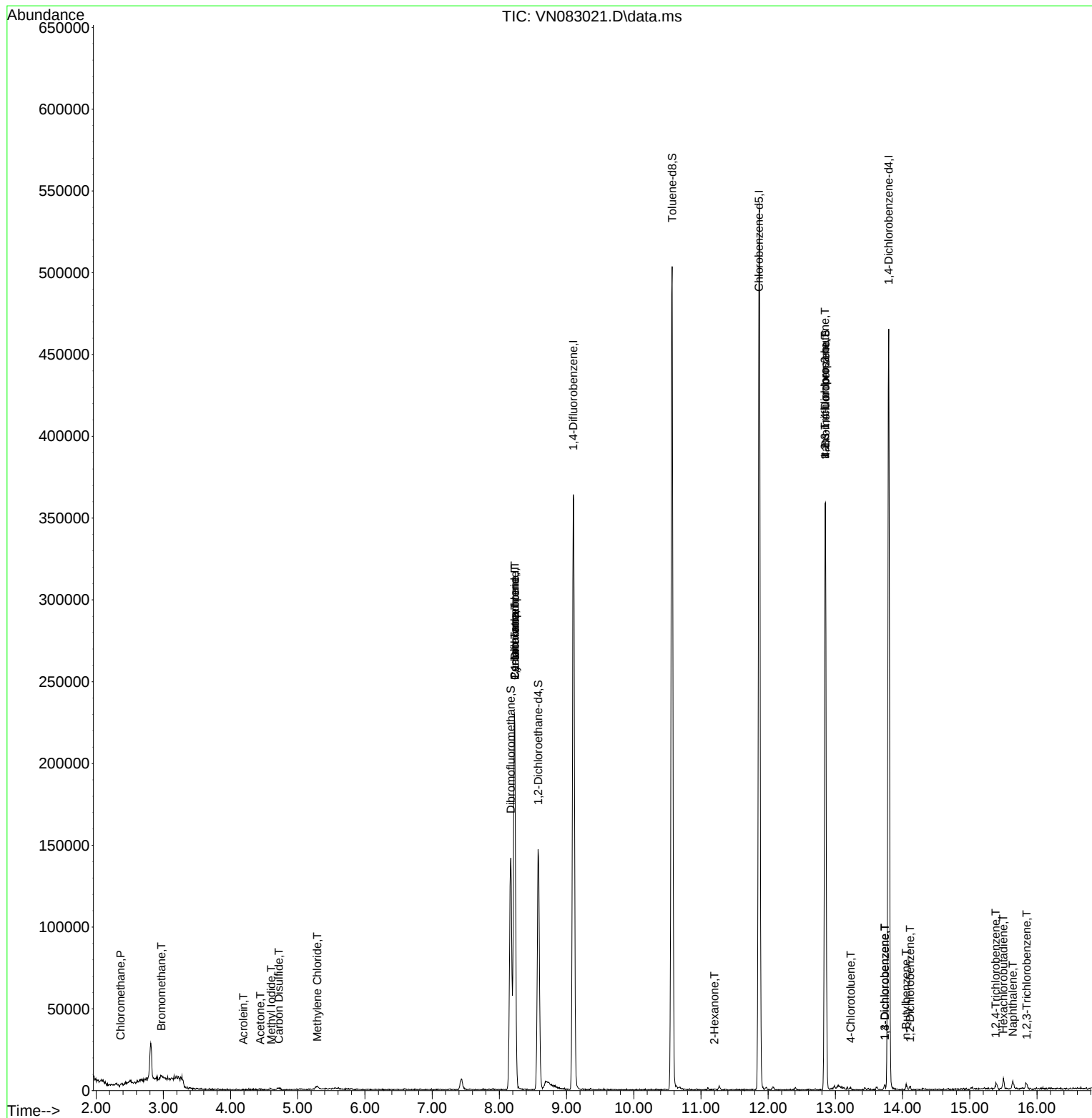
Target Compounds			Qvalue			
3) Chloromethane	2.365	50	747	0.378	ug/l #	43
5) Bromomethane	2.971	94	1788	1.194	ug/l	82
10) Methyl Iodide	4.606	142	1203	0.694	ug/l #	38
13) Acrolein	4.189	56	201	0.733	ug/l #	14
16) Acetone	4.442	43	622	0.782	ug/l #	75
17) Carbon Disulfide	4.718	76	3420	0.696	ug/l #	75
20) Methylene Chloride	5.289	84	1225	0.638	ug/l #	76
31) Cyclohexane	8.230	56	4312	1.460	ug/l #	10
36) 1,1-Dichloropropene	8.230	75	14928	5.399	ug/l #	50
38) Carbon Tetrachloride	8.230	117	18307	5.499	ug/l #	16
43) Isopropyl Acetate	8.683	43	2698	Below Cal	#	60
59) 2-Hexanone	11.200	43	415	0.200	ug/l #	28
76) 1,2,3-Trichloropropane	12.847	75	67269	32.504	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	67269	63.926	ug/l #	6
82) 4-Chlorotoluene	13.229	91	1309	0.207	ug/l	91
87) 1,3-Dichlorobenzene	13.735	146	1133	0.279	ug/l	89
88) 1,4-Dichlorobenzene	13.735	146	1133	0.270	ug/l	88
89) n-Butylbenzene	14.053	91	1926	0.319	ug/l	93
91) 1,2-Dichlorobenzene	14.112	146	1104	0.280	ug/l	83
93) 1,2,4-Trichlorobenzene	15.388	180	1399	0.658	ug/l #	80
94) Hexachlorobutadiene	15.500	225	1712	1.816	ug/l	75
95) Naphthalene	15.641	128	4826	0.663	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.847	180	1879	0.860	ug/l	89

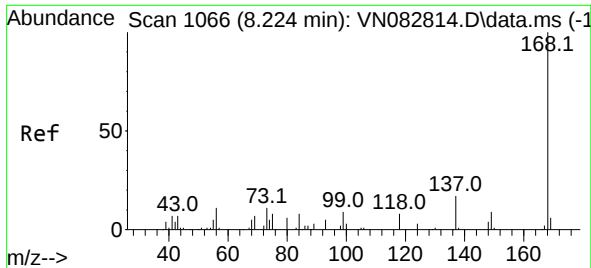
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jul 08 13:46:04 2024
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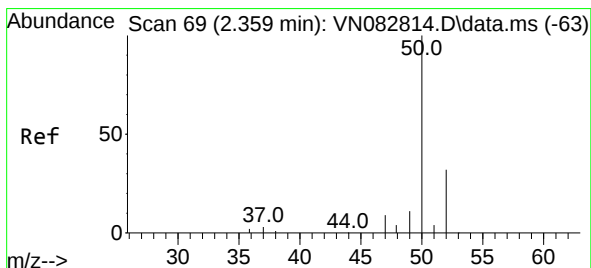
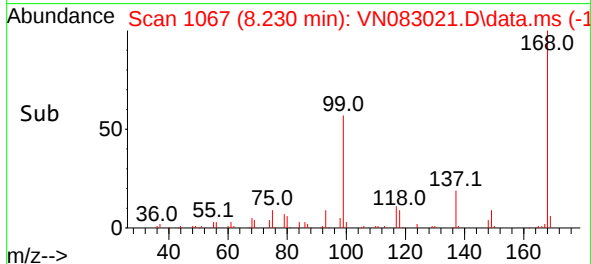
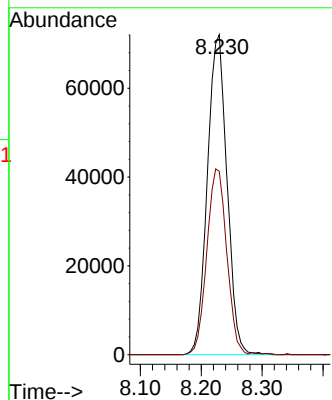
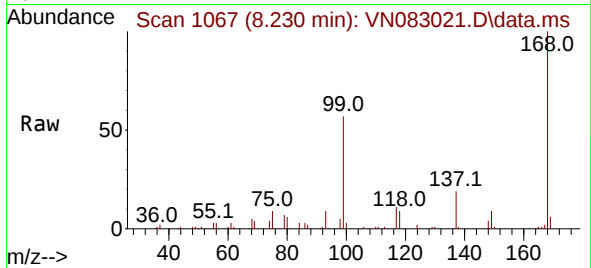




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. 0.001 min
Lab File: VN083021.D
Acq: 24 Jul 2024 10:42

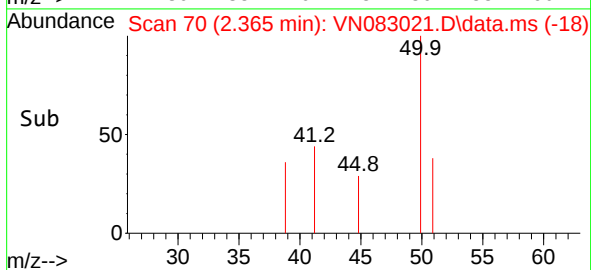
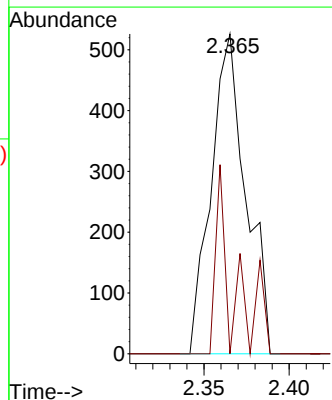
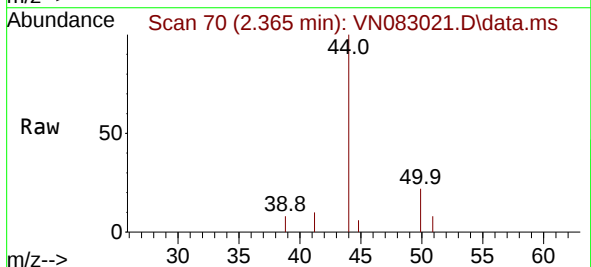
Instrument :
MSVOA_N
ClientSampleId :
VN0724MBL01

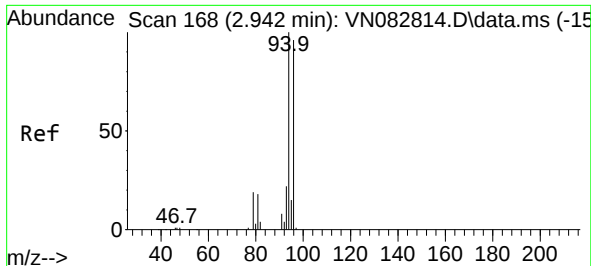
Tgt Ion:168 Resp: 161106
Ion Ratio Lower Upper
168 100
99 57.3 48.2 72.4



#3
Chloromethane
Concen: 0.378 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083021.D
Acq: 24 Jul 2024 10:42

Tgt Ion: 50 Resp: 747
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

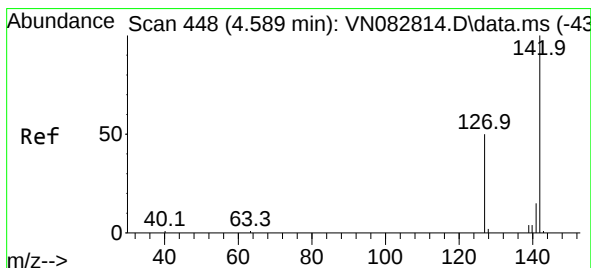
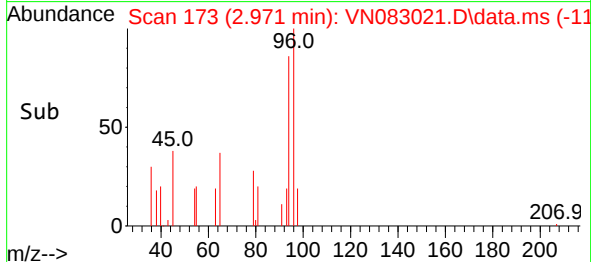
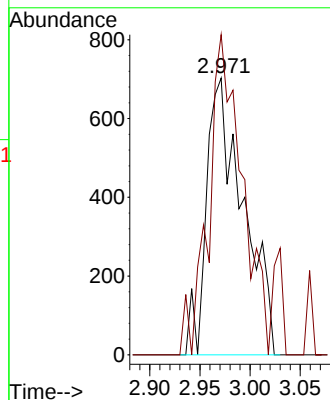
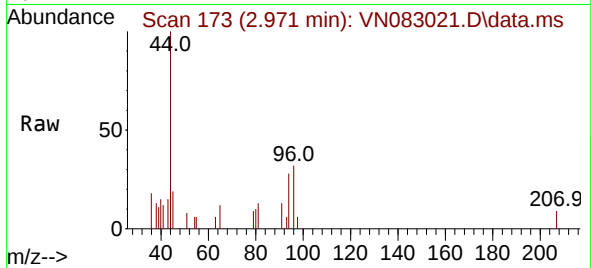




#5
Bromomethane
Concen: 1.194 ug/l
RT: 2.971 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN083021.D
Acq: 24 Jul 2024 10:42

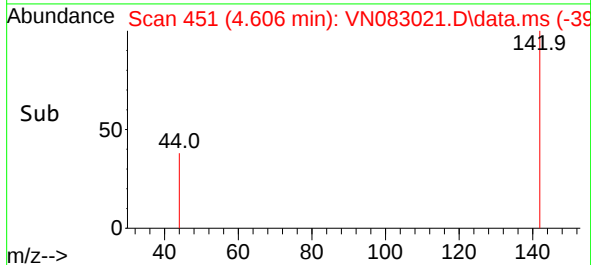
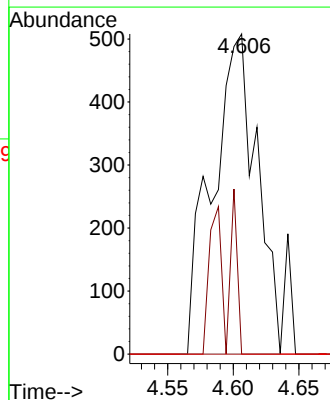
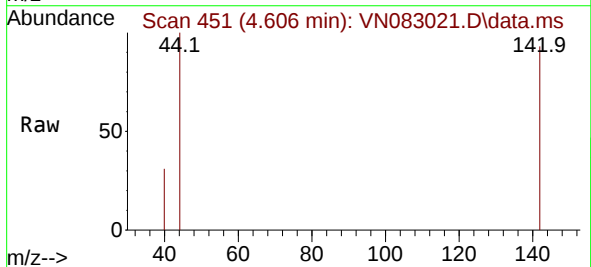
Instrument :
MSVOA_N
ClientSampleId :
VN0724MBL01

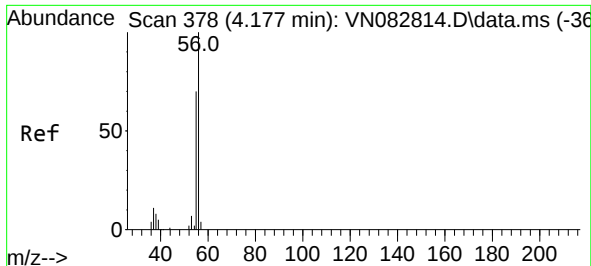
Tgt Ion: 94 Resp: 1788
Ion Ratio Lower Upper
94 100
96 115.6 78.0 117.0



#10
Methyl Iodide
Concen: 0.694 ug/l
RT: 4.606 min Scan# 451
Delta R.T. 0.018 min
Lab File: VN083021.D
Acq: 24 Jul 2024 10:42

Tgt Ion: 142 Resp: 1203
Ion Ratio Lower Upper
142 100
127 0.0 37.5 56.3#
141 0.0 13.1 19.7#





#13

Acrolein

Concen: 0.733 ug/l

RT: 4.189 min Scan# 378

Delta R.T. 0.012 min

Lab File: VN083021.D

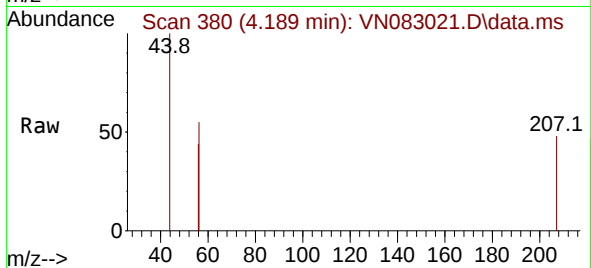
Acq: 24 Jul 2024 10:42

Instrument :

MSVOA_N

ClientSampleId :

VN0724MBL01

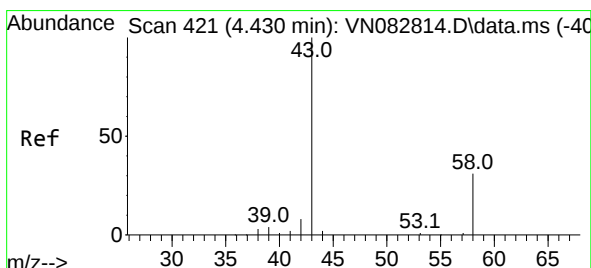
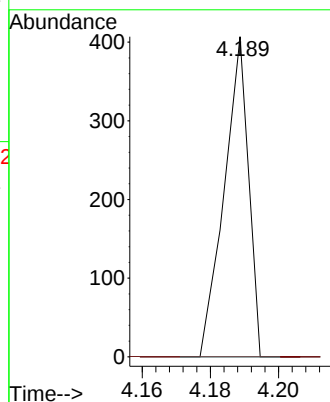
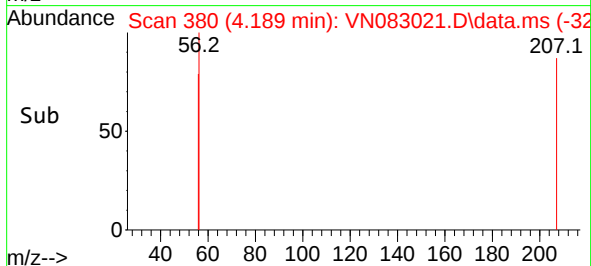


Tgt Ion: 56 Resp: 201

Ion Ratio Lower Upper

56 100

55 0.0 56.4 84.6#



#16

Acetone

Concen: 0.782 ug/l

RT: 4.442 min Scan# 423

Delta R.T. 0.012 min

Lab File: VN083021.D

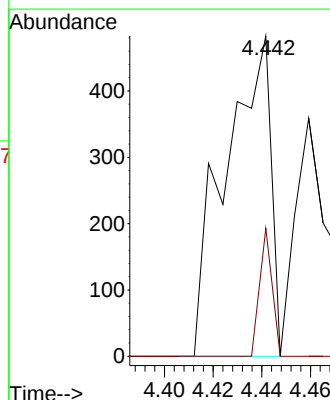
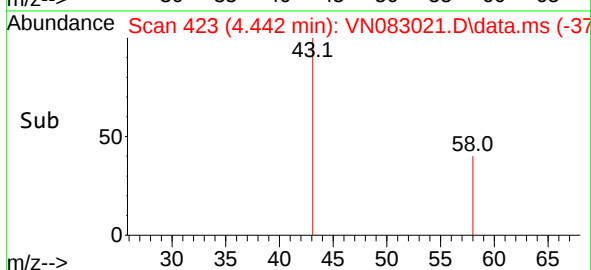
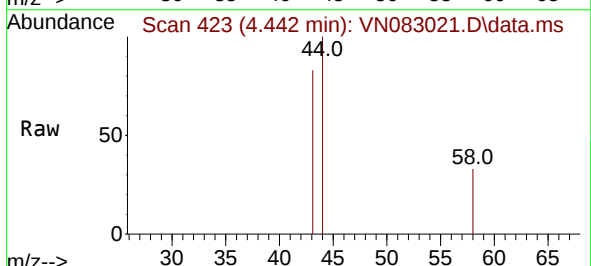
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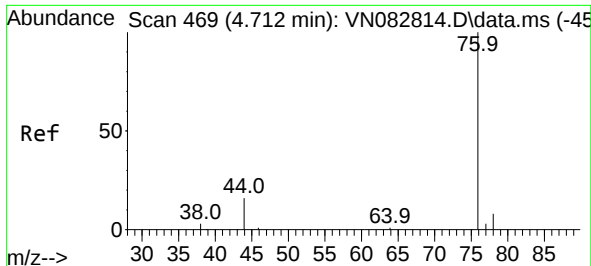
Tgt Ion: 43 Resp: 622

Ion Ratio Lower Upper

43 100

58 40.0 21.8 32.6#

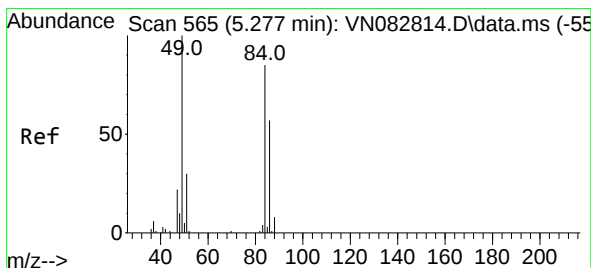
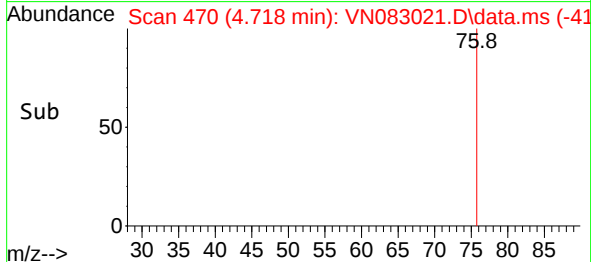
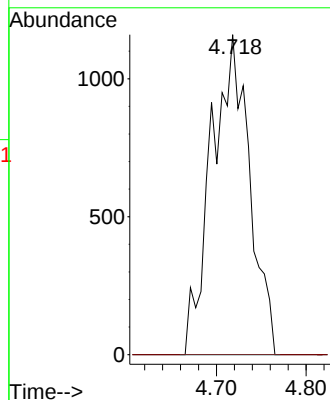
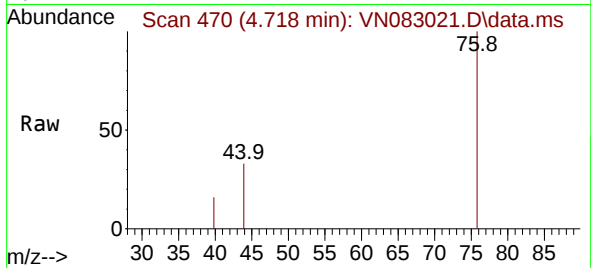




#17
Carbon Disulfide
Concen: 0.696 ug/l
RT: 4.718 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN083021.D
Acq: 24 Jul 2024 10:42

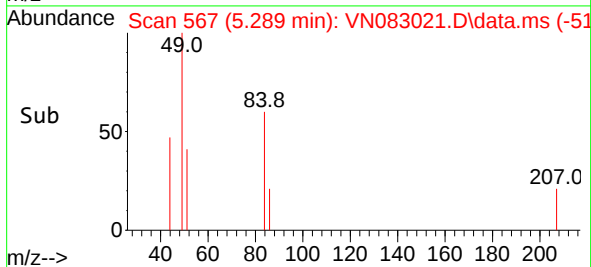
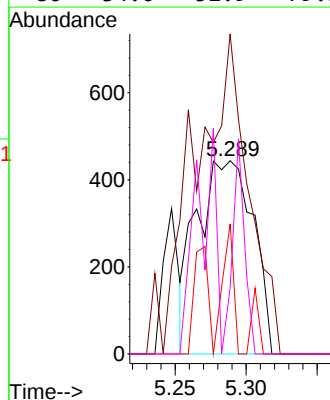
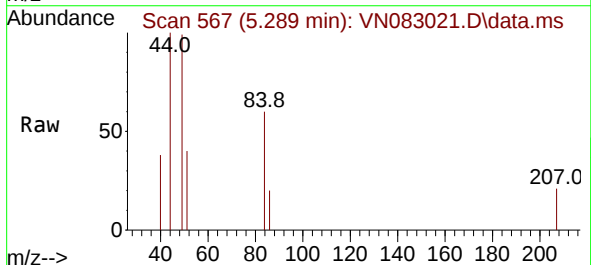
Instrument :
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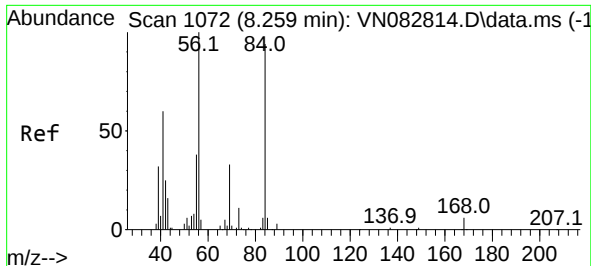
Tgt Ion: 76 Resp: 3420
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: 0.638 ug/l
RT: 5.289 min Scan# 567
Delta R.T. 0.012 min
Lab File: VN083021.D
Acq: 24 Jul 2024 10:42

Tgt Ion: 84 Resp: 1225
Ion Ratio Lower Upper
84 100
49 165.5 119.6 179.4
51 67.3 34.8 52.2#
86 34.0 52.9 79.3#

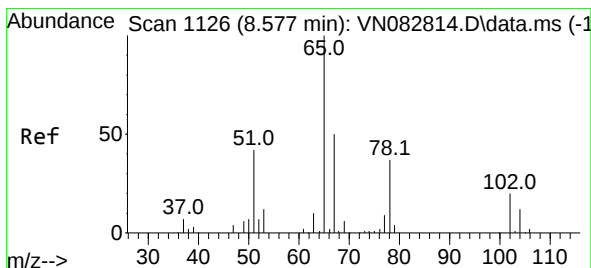
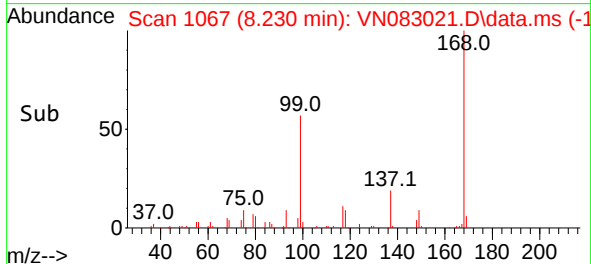
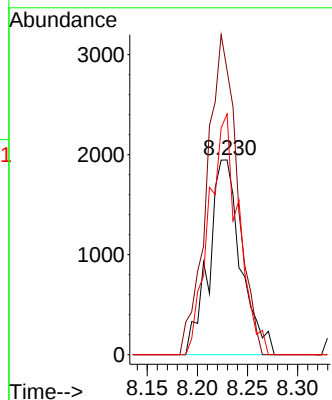
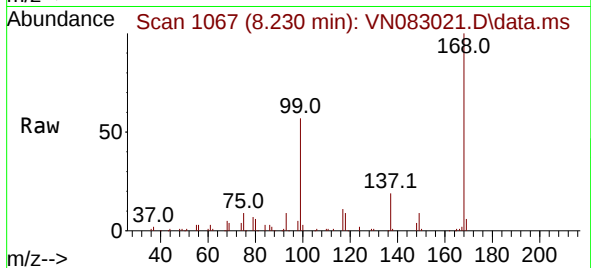




#31
Cyclohexane
Concen: 1.460 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN083021.D
Acq: 24 Jul 2024 10:42

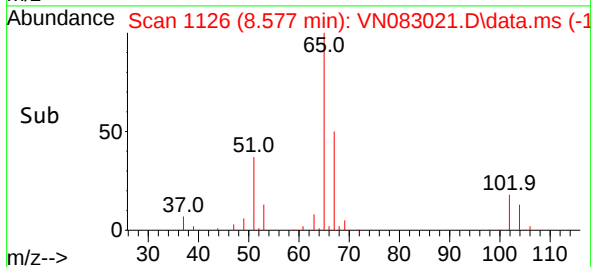
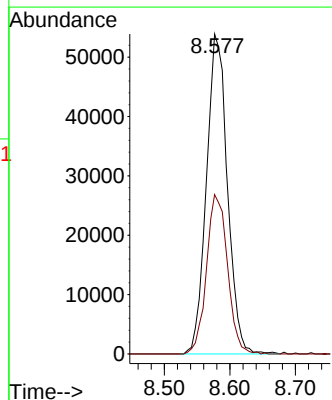
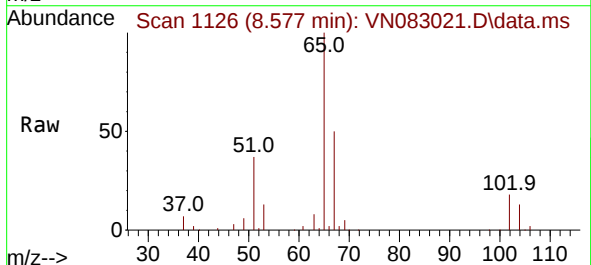
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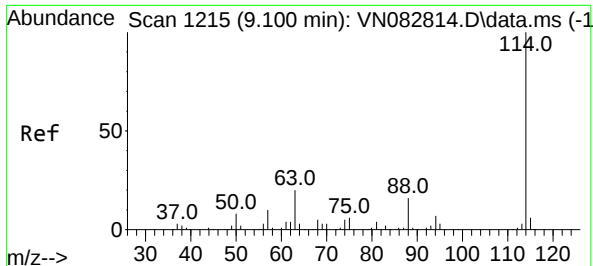
Tgt Ion: 56 Resp: 4312
Ion Ratio Lower Upper
56 100
69 145.9 24.5 36.7#
84 123.6 66.0 99.0#



#33
1,2-Dichloroethane-d4
Concen: 53.042 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.005 min
Lab File: VN083021.D
Acq: 24 Jul 2024 10:42

Tgt Ion: 65 Resp: 119790
Ion Ratio Lower Upper
65 100
67 50.0 0.0 104.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN083021.D

Acq: 24 Jul 2024 10:42

Instrument :

MSVOA_N

ClientSampleId :

VN0724MBL01

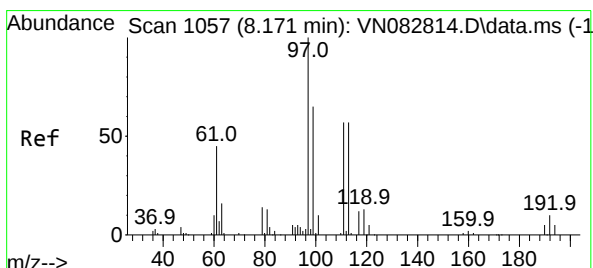
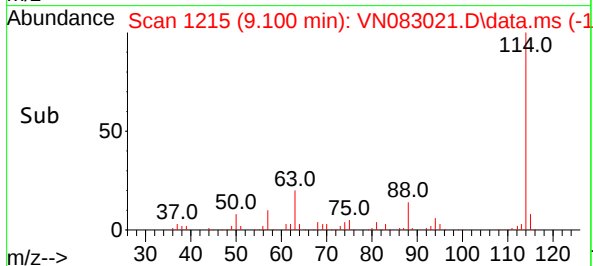
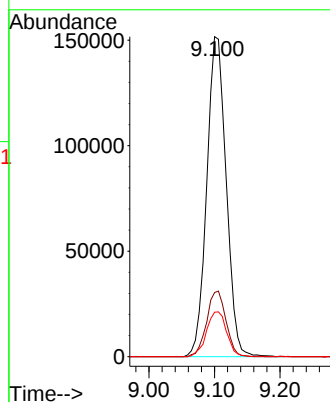
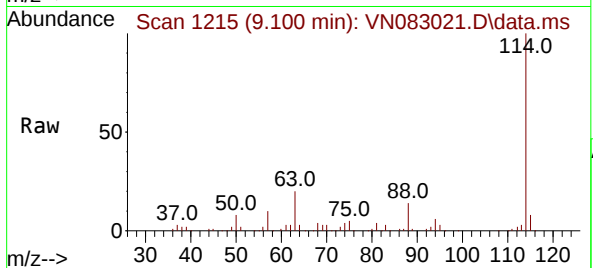
Tgt Ion:114 Resp: 312549

Ion Ratio Lower Upper

114 100

63 20.1 0.0 44.6

88 13.9 0.0 31.4



#35

Dibromofluoromethane

Concen: 49.755 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN083021.D

Acq: 24 Jul 2024 10:42

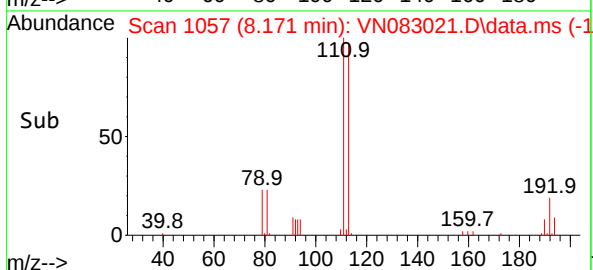
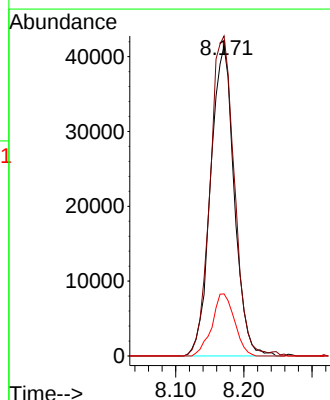
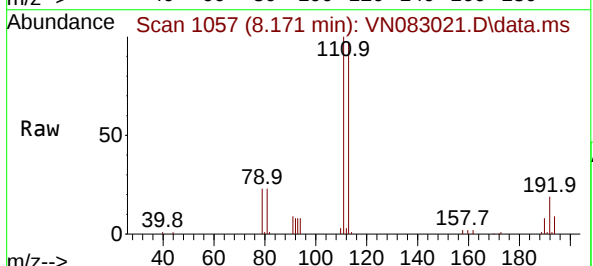
Tgt Ion:113 Resp: 99786

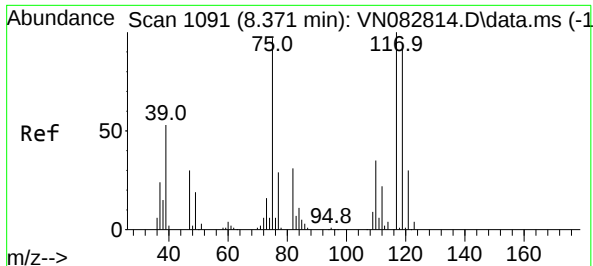
Ion Ratio Lower Upper

113 100

111 106.2 82.4 123.6

192 19.2 14.9 22.3





#36

1,1-Dichloropropene

Concen: 5.399 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN083021.D

Acq: 24 Jul 2024 10:42

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VN0724MBL01

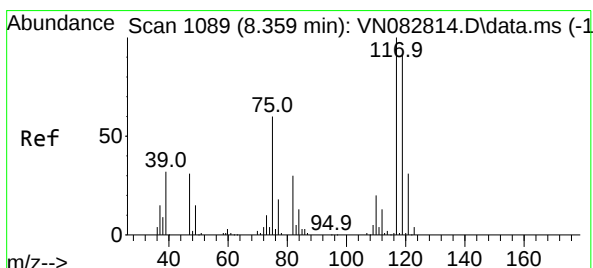
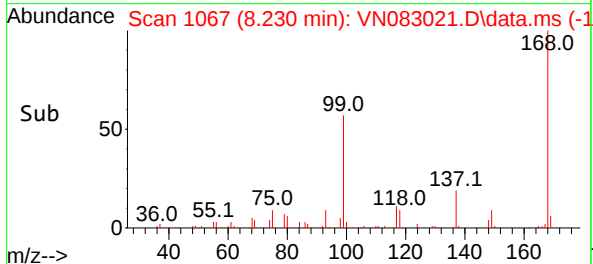
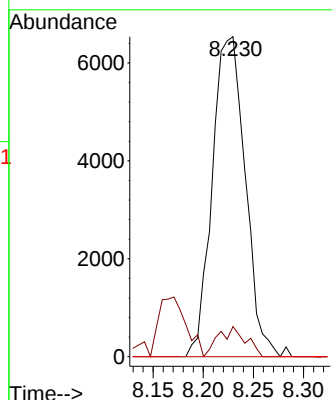
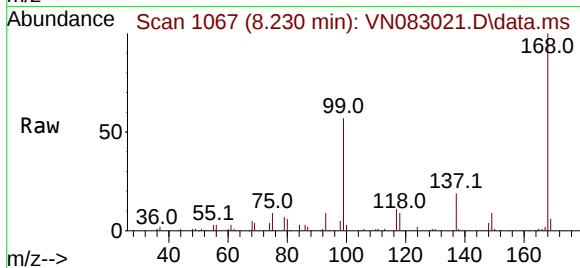
Tgt Ion: 75 Resp: 14928

Ion Ratio Lower Upper

75 100

110 7.8 16.3 48.9#

77 0.0 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.499 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

Lab File: VN083021.D

Acq: 24 Jul 2024 10:42

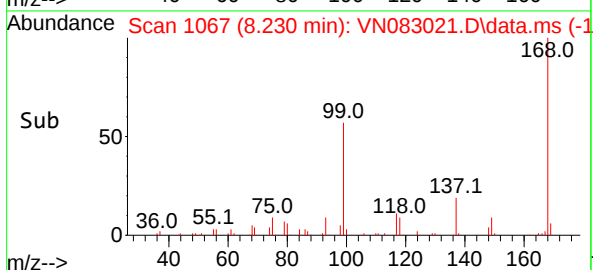
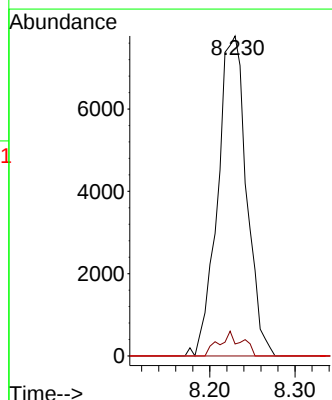
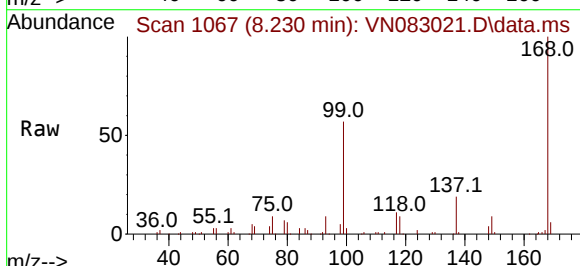
Tgt Ion: 117 Resp: 18307

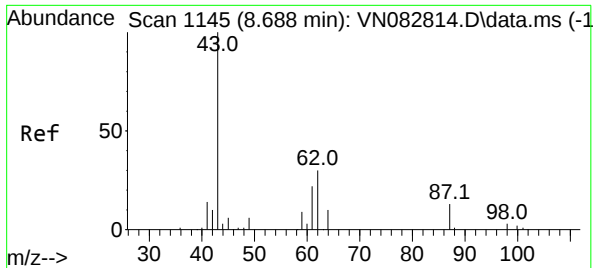
Ion Ratio Lower Upper

117 100

119 3.7 74.9 112.3#

121 0.0 24.3 36.5#

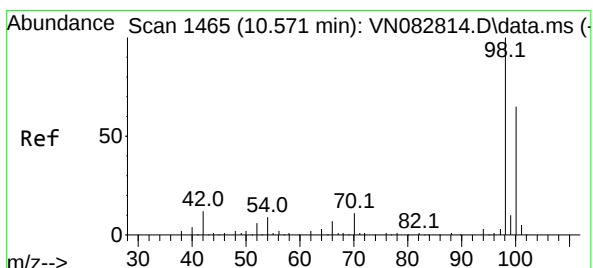
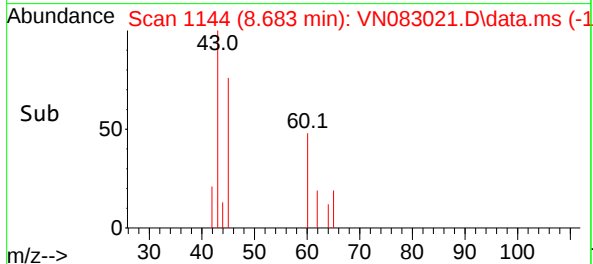
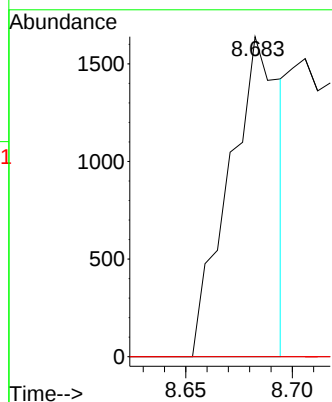
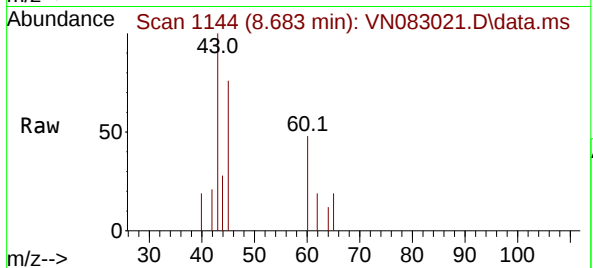




#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.683 min Scan# 1144
Delta R.T. -0.011 min
Lab File: VN083021.D
Acq: 24 Jul 2024 10:42

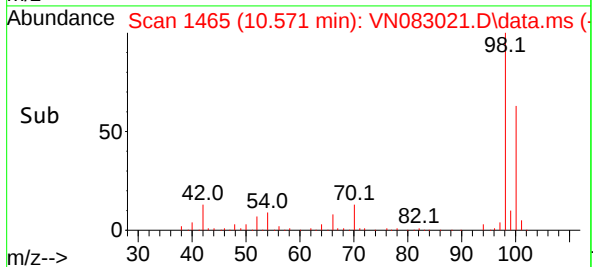
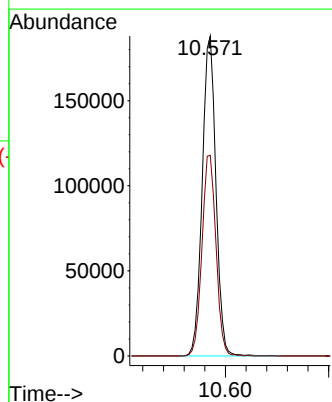
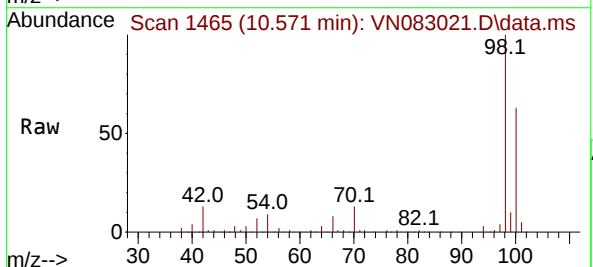
Instrument :
MSVOA_N
ClientSampleId :
VN0724MBL01

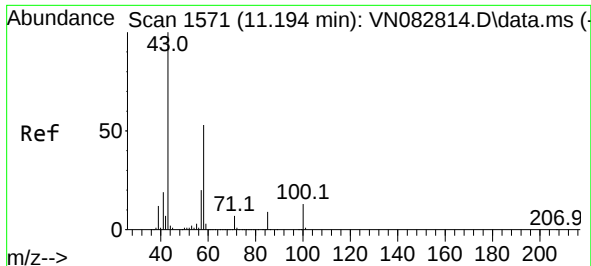
Tgt Ion: 43 Resp: 2698
Ion Ratio Lower Upper
43 100
61 0.0 17.8 26.6#
87 0.0 8.2 12.2#



#50
Toluene-d8
Concen: 46.550 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.001 min
Lab File: VN083021.D
Acq: 24 Jul 2024 10:42

Tgt Ion: 98 Resp: 344819
Ion Ratio Lower Upper
98 100
100 64.1 51.5 77.3

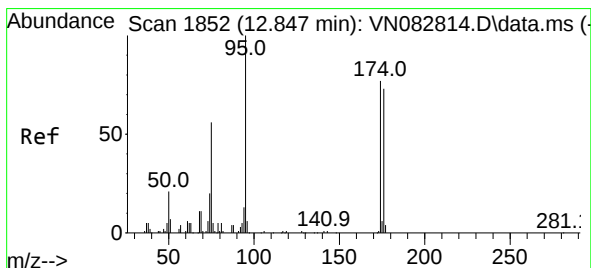
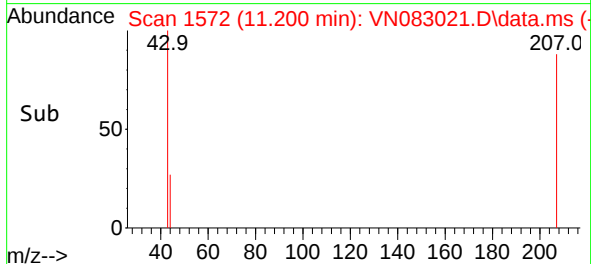
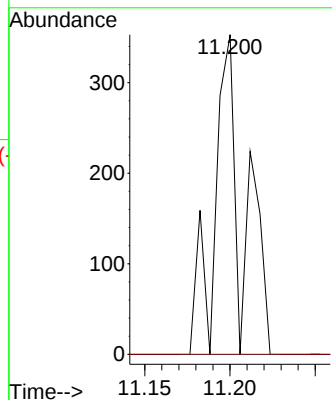
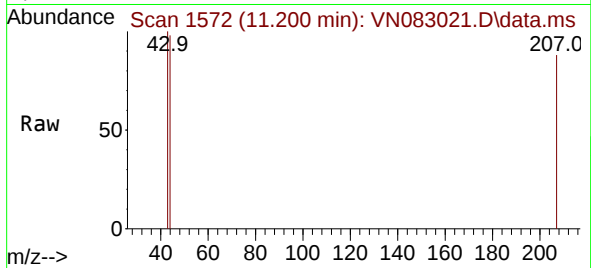




#59
2-Hexanone
Concen: 0.200 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083021.D
Acq: 24 Jul 2024 10:42

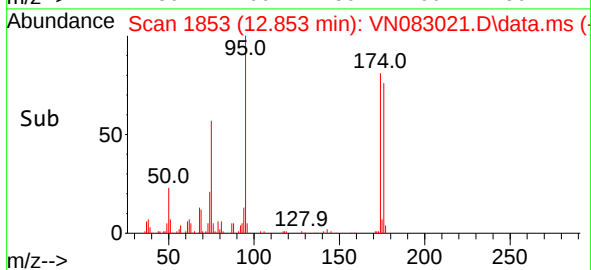
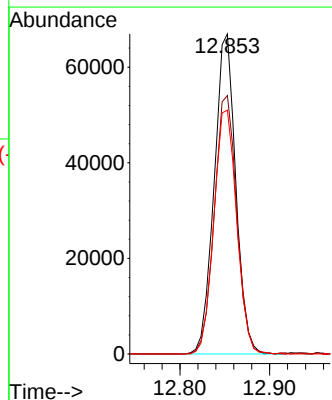
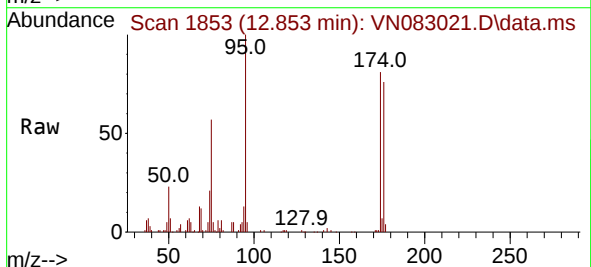
Instrument :
MSVOA_N
ClientSampleId :
VN0724MBL01

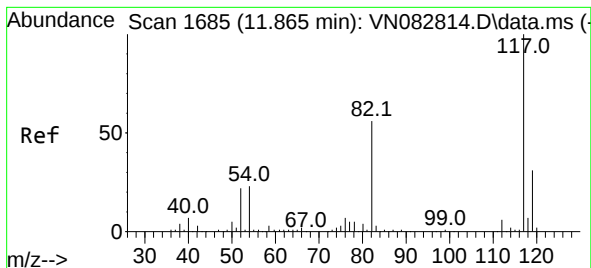
Tgt Ion: 43 Resp: 415
Ion Ratio Lower Upper
43 100
58 0.0 24.6 73.8#



#62
4-Bromofluorobenzene
Concen: 41.904 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN083021.D
Acq: 24 Jul 2024 10:42

Tgt Ion: 95 Resp: 111500
Ion Ratio Lower Upper
95 100
174 84.1 0.0 159.2
176 80.7 0.0 147.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.005 min

Lab File: VN083021.D

Acq: 24 Jul 2024 10:42

Instrument :

MSVOA_N

ClientSampleId :

VN0724MBL01

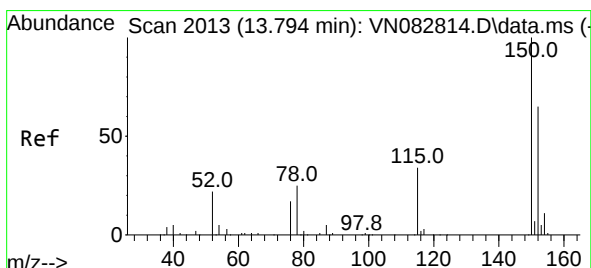
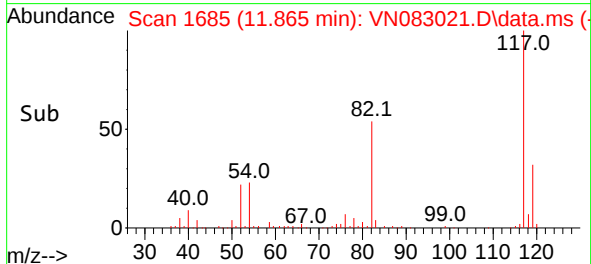
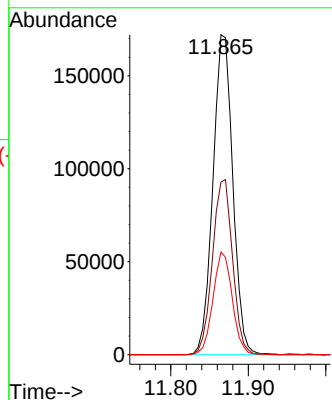
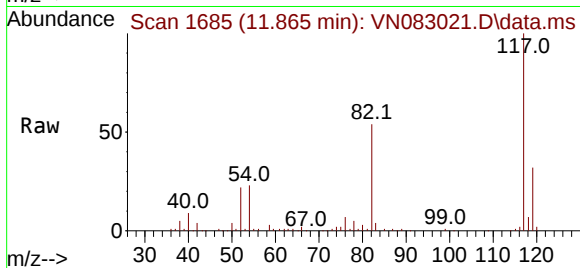
Tgt Ion:117 Resp: 306763

Ion Ratio Lower Upper

117 100

82 54.0 47.5 71.3

119 32.0 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN083021.D

Acq: 24 Jul 2024 10:42

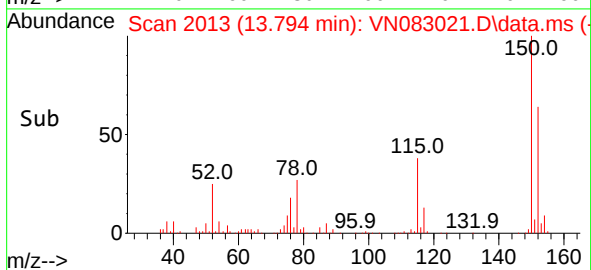
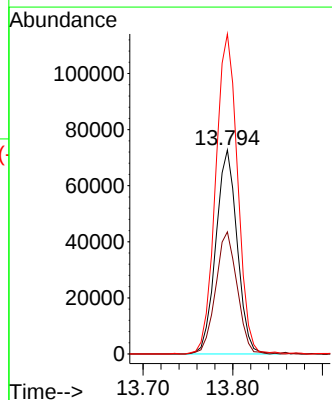
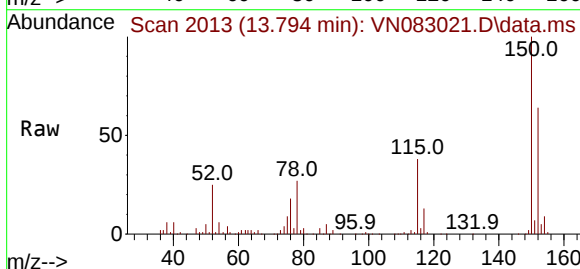
Tgt Ion:152 Resp: 120040

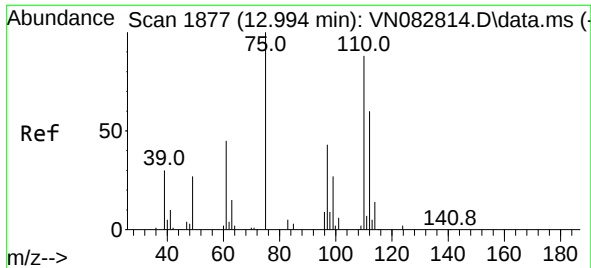
Ion Ratio Lower Upper

152 100

115 60.3 30.6 91.6

150 161.1 0.0 348.6

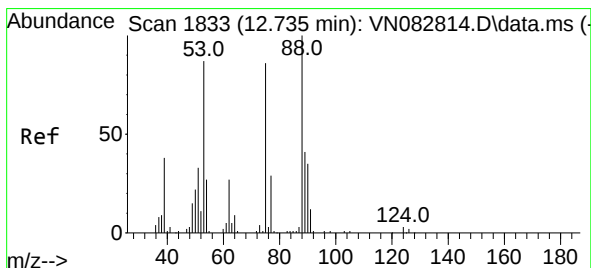
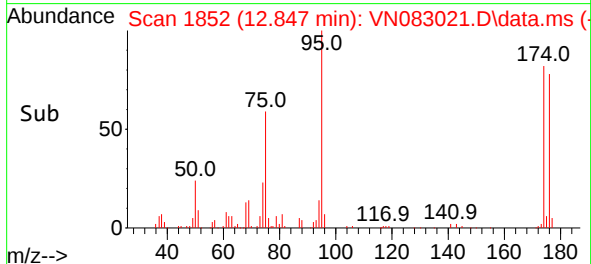
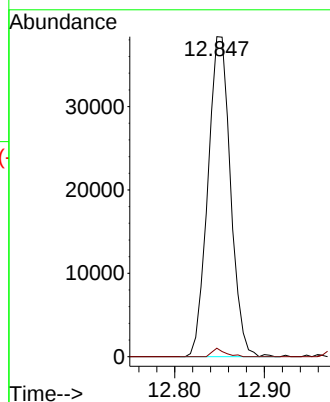
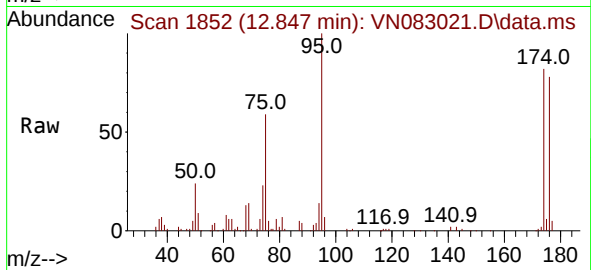




#76
1,2,3-Trichloropropane
Concen: 32.504 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083021.D
Acq: 24 Jul 2024 10:42

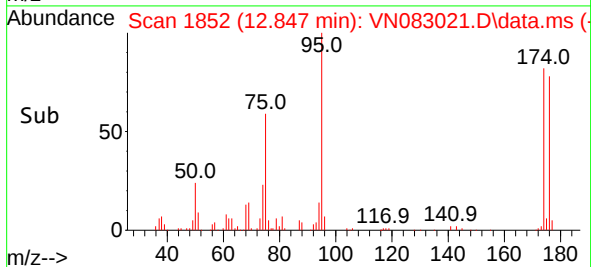
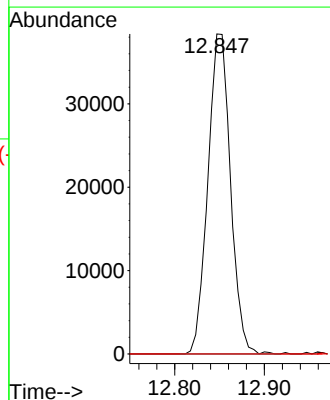
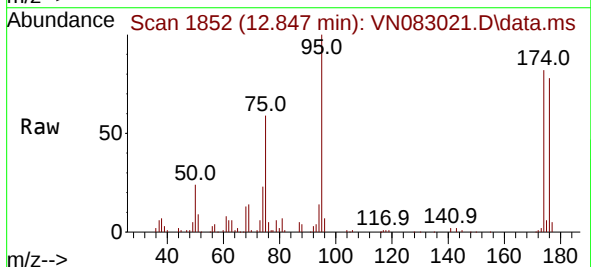
Instrument :
MSVOA_N
ClientSampleId :
VN0724MBL01

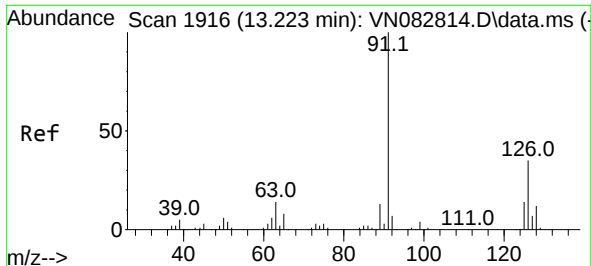
Tgt Ion: 75 Resp: 67269
Ion Ratio Lower Upper
75 100
77 1.5 110.9 332.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.926 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.106 min
Lab File: VN083021.D
Acq: 24 Jul 2024 10:42

Tgt Ion: 75 Resp: 67269
Ion Ratio Lower Upper
75 100
53 0.0 88.4 132.6#
89 0.0 36.3 54.5#

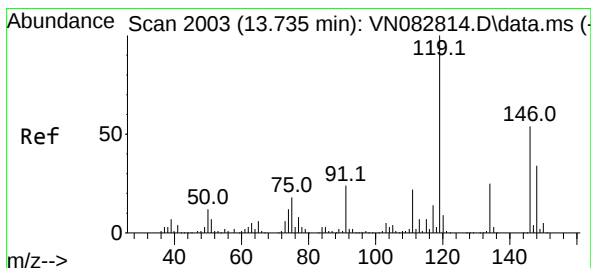
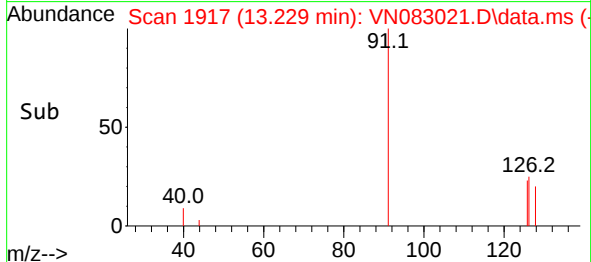
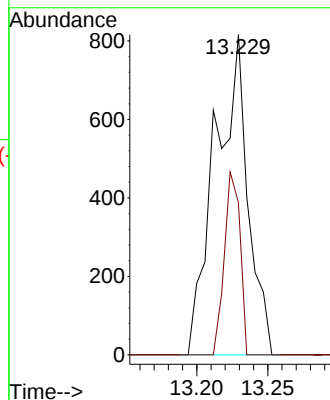
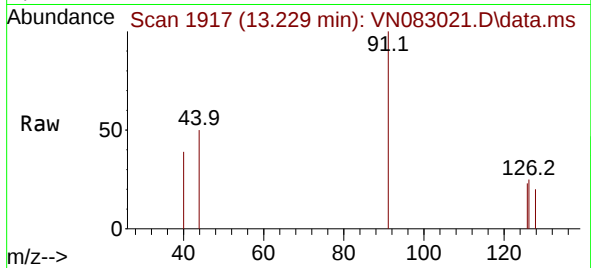




#82
4-Chlorotoluene
Concen: 0.207 ug/l
RT: 13.229 min Scan# 1916
Delta R.T. 0.006 min
Lab File: VN083021.D
Acq: 24 Jul 2024 10:42

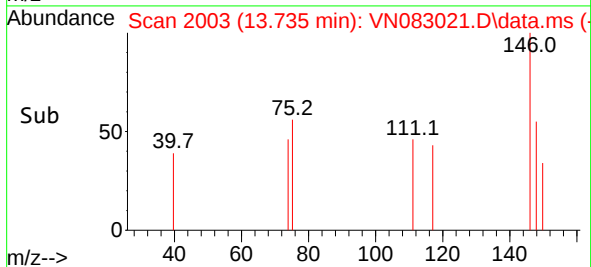
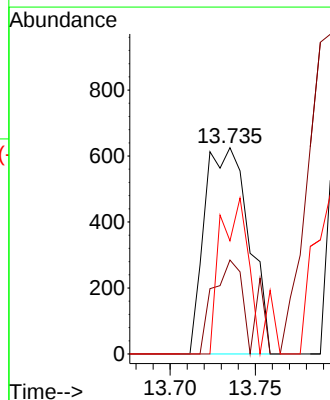
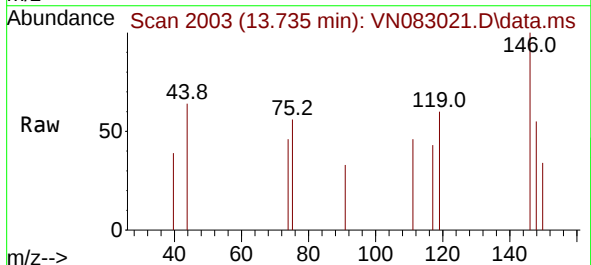
Instrument :
MSVOA_N
ClientSampleId :
VN0724MBL01

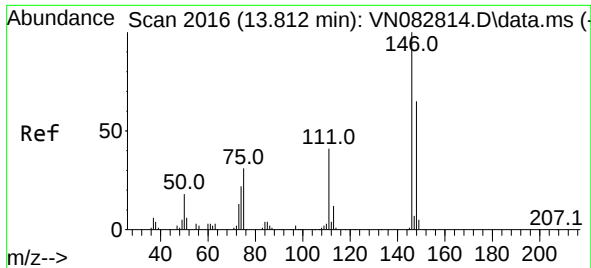
Tgt Ion: 91 Resp: 1309
Ion Ratio Lower Upper
91 100
126 27.2 16.2 48.6



#87
1,3-Dichlorobenzene
Concen: 0.279 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.000 min
Lab File: VN083021.D
Acq: 24 Jul 2024 10:42

Tgt Ion: 146 Resp: 1133
Ion Ratio Lower Upper
146 100
111 36.5 20.6 61.9
148 52.7 31.8 95.3

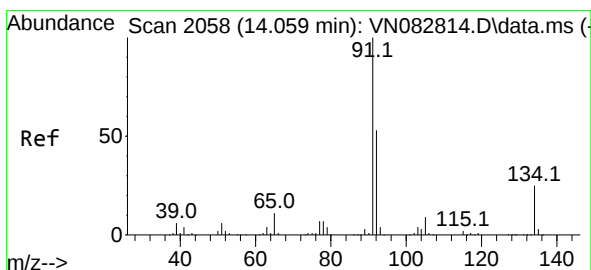
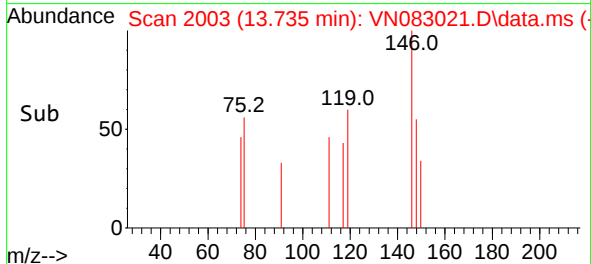
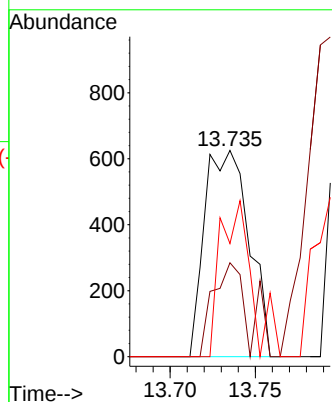
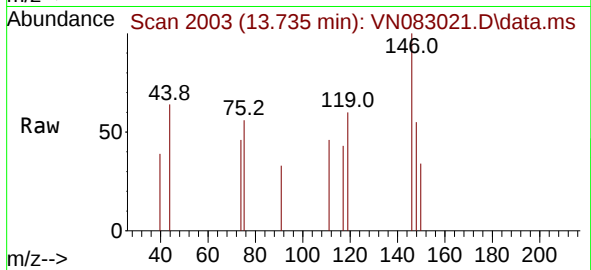




#88
1,4-Dichlorobenzene
Concen: 0.270 ug/l
RT: 13.735 min Scan# 2016
Delta R.T. -0.076 min
Lab File: VN083021.D
Acq: 24 Jul 2024 10:42

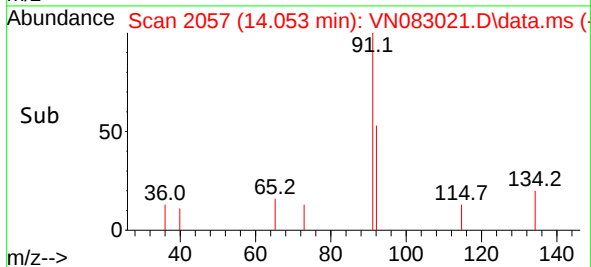
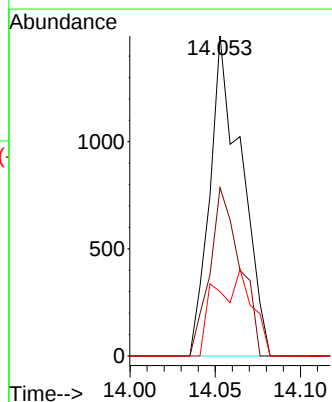
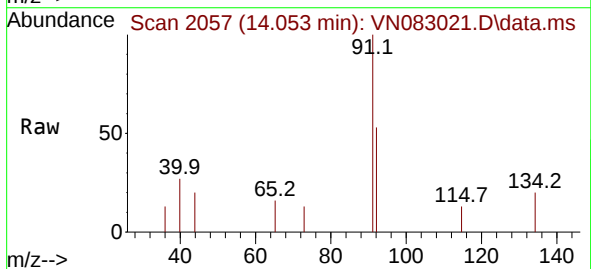
Instrument :
MSVOA_N
ClientSampleId :
VN0724MBL01

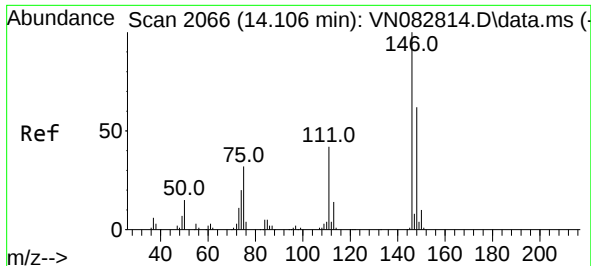
Tgt Ion:146 Resp: 1133
Ion Ratio Lower Upper
146 100
111 36.5 20.1 60.3
148 52.7 32.2 96.6



#89
n-Butylbenzene
Concen: 0.319 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.005 min
Lab File: VN083021.D
Acq: 24 Jul 2024 10:42

Tgt Ion: 91 Resp: 1926
Ion Ratio Lower Upper
91 100
92 50.4 26.1 78.3
134 16.3 12.1 36.3





#91

1,2-Dichlorobenzene

Concen: 0.280 ug/l

RT: 14.112 min Scan# 2066

Delta R.T. 0.006 min

Lab File: VN083021.D

Acq: 24 Jul 2024 10:42

Instrument :

MSVOA_N

ClientSampleId :

VN0724MBL01

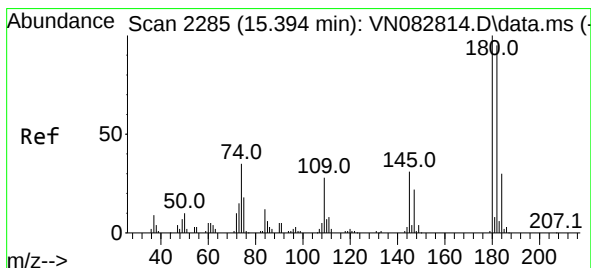
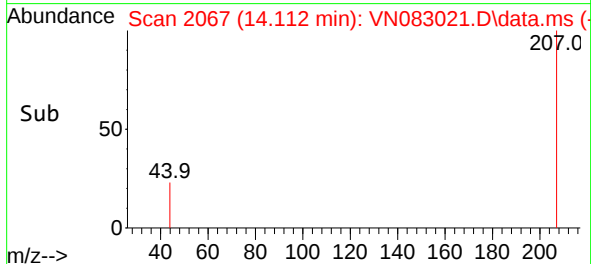
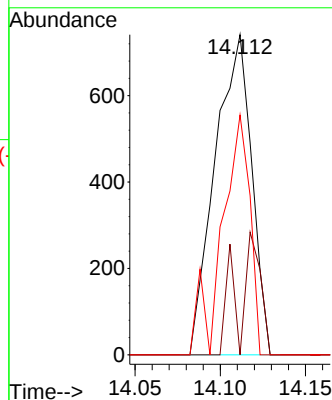
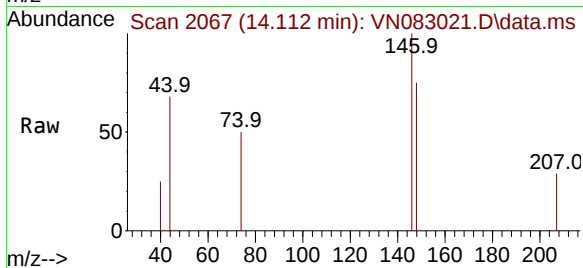
Tgt Ion:146 Resp: 1104

Ion Ratio Lower Upper

146 100

111 23.6 21.4 64.2

148 57.4 32.1 96.5



#93

1,2,4-Trichlorobenzene

Concen: 0.658 ug/l

RT: 15.388 min Scan# 2284

Delta R.T. -0.006 min

Lab File: VN083021.D

Acq: 24 Jul 2024 10:42

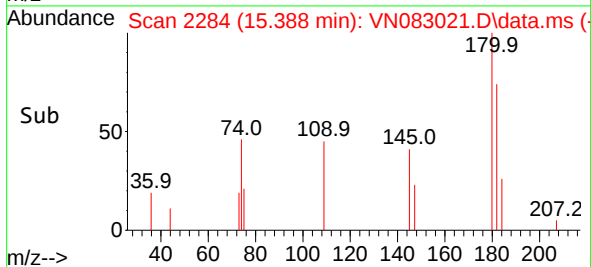
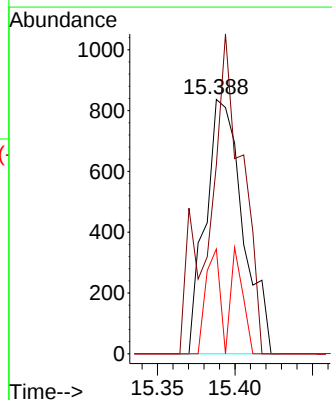
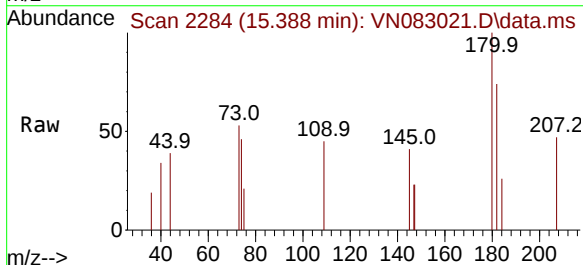
Tgt Ion:180 Resp: 1399

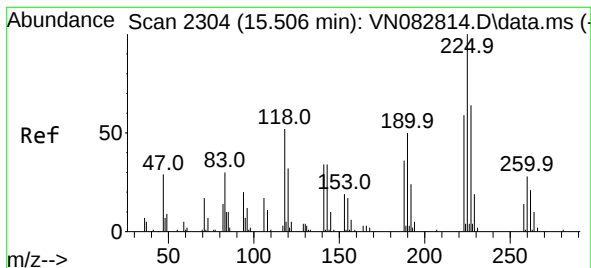
Ion Ratio Lower Upper

180 100

182 111.4 47.3 141.8

145 15.6 15.7 47.1#





#94

Hexachlorobutadiene

Concen: 1.816 ug/l

RT: 15.500 min Scan# 21

Delta R.T. -0.005 min

Lab File: VN083021.D

Acq: 24 Jul 2024 10:42

Instrument :

MSVOA_N

ClientSampleId :

VN0724MBL01

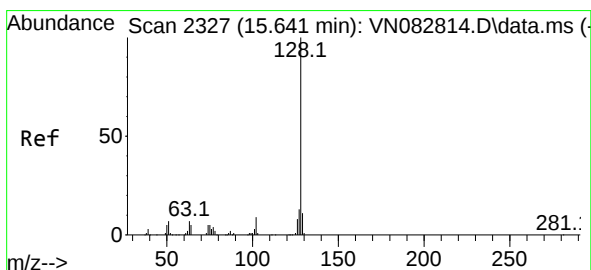
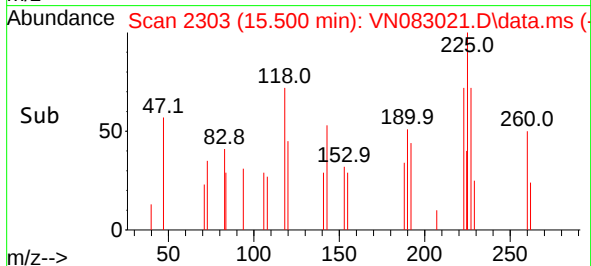
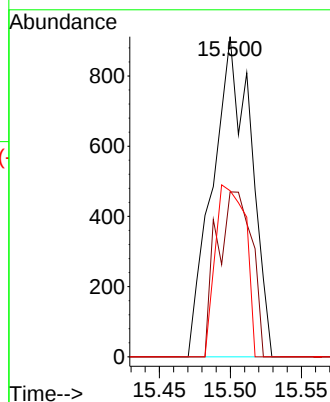
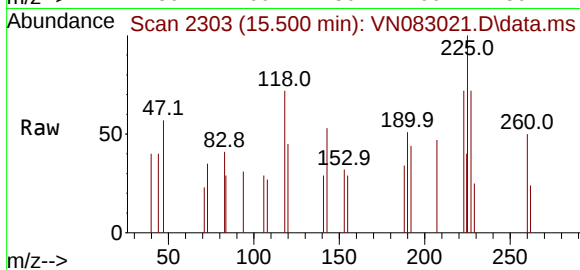
Tgt Ion:225 Resp: 1712

Ion Ratio Lower Upper

225 100

223 47.0 31.9 95.7

227 42.2 32.5 97.5



#95

Naphthalene

Concen: 0.663 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN083021.D

Acq: 24 Jul 2024 10:42

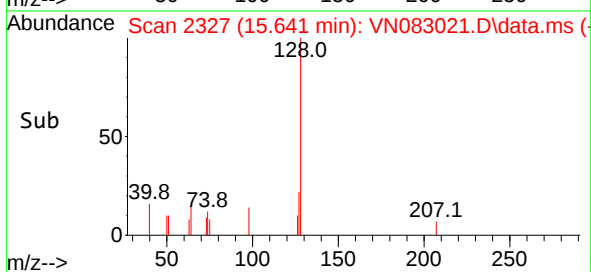
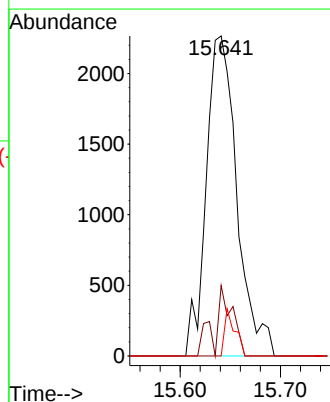
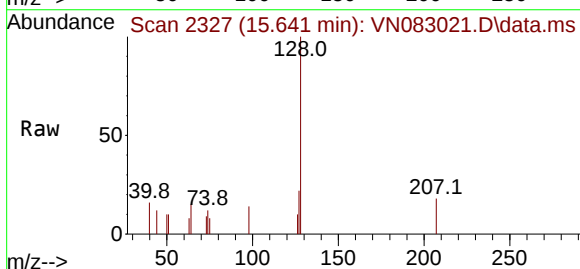
Tgt Ion:128 Resp: 4826

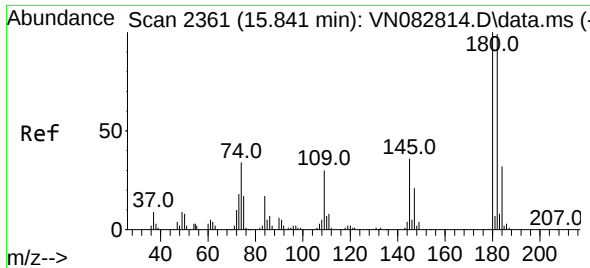
Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

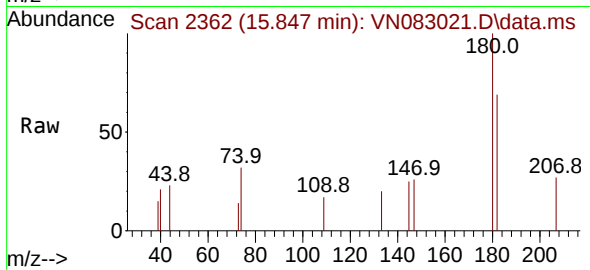
129 5.0 8.6 12.8#





#96
1,2,3-Trichlorobenzene
Concen: 0.860 ug/l
RT: 15.847 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN083021.D
Acq: 24 Jul 2024 10:42

Instrument :
MSVOA_N
ClientSampleId :
VN0724MBL01



Tgt Ion:	180	Resp:	1879
Ion	Ratio	Lower	Upper
180	100		
182	83.2	48.9	146.8
145	34.3	16.8	50.4

