

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122122\
 Data File : VN075913.D
 Acq On : 21 Dec 2022 12:41
 Operator : JC\MD
 Sample : N6068-01ME
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VNJ-201

Quant Time: Dec 21 14:15:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

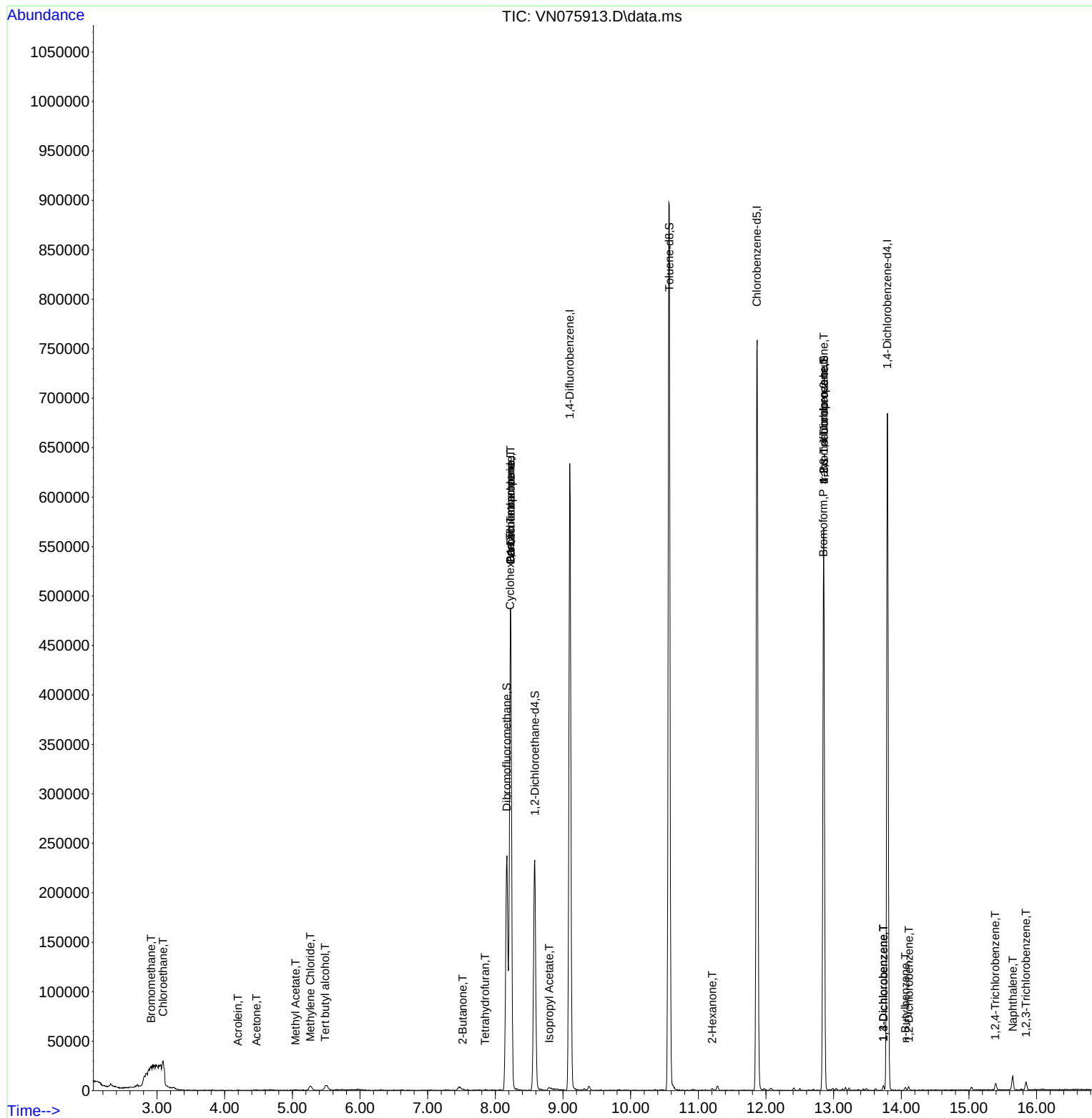
Internal Standards						
1) Pentafluorobenzene	8.224	168	383381	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	582072	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	478339	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	195901	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	187252	44.896	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.800%		
35) Dibromofluoromethane	8.171	113	166660	46.234	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.460%		
50) Toluene-d8	10.571	98	659086	48.903	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.800%		
62) 4-Bromofluorobenzene	12.853	95	192940	43.222	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	86.440%		
Target Compounds						Qvalue
5) Bromomethane	2.912	94	849	0.247	ug/l #	58
6) Chloroethane	3.089	64	4246	1.420	ug/l #	63
11) Tert butyl alcohol	5.483	59	2315	3.923	ug/l #	72
13) Acrolein	4.194	56	488	0.674	ug/l #	31
16) Acetone	4.471	43	385	0.268	ug/l #	39
18) Methyl Acetate	5.047	43	1363	0.321	ug/l #	45
20) Methylene Chloride	5.265	84	3838	0.362	ug/l #	90
25) 2-Butanone	7.518	43	948	0.471	ug/l #	40
29) Tetrahydrofuran	7.847	42	507	0.402	ug/l #	35
31) Cyclohexane	8.218	56	6663	1.115	ug/l #	12
36) 1,1-Dichloropropene	8.224	75	26466	5.527	ug/l #	51
38) Carbon Tetrachloride	8.224	117	36188	6.752	ug/l #	17
43) Isopropyl Acetate	8.794	43	1786	0.281	ug/l #	50
59) 2-Hexanone	11.206	43	1727	0.617	ug/l	80
71) Bromoform	12.847	173	889	0.336	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	95284	24.129	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	95284	86.854	ug/l #	12
87) 1,3-Dichlorobenzene	13.735	146	1828	0.276	ug/l	95
88) 1,4-Dichlorobenzene	13.735	146	1828	0.270	ug/l	93
89) n-Butylbenzene	14.059	91	2347	0.241	ug/l	95
91) 1,2-Dichlorobenzene	14.111	146	1873	0.287	ug/l	90
93) 1,2,4-Trichlorobenzene	15.388	180	2687	0.833	ug/l	96
95) Naphthalene	15.647	128	13800	3.416	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	3235	1.072	ug/l	89

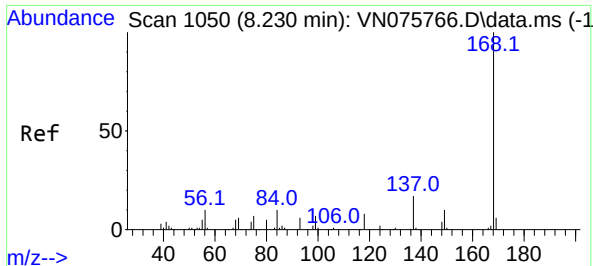
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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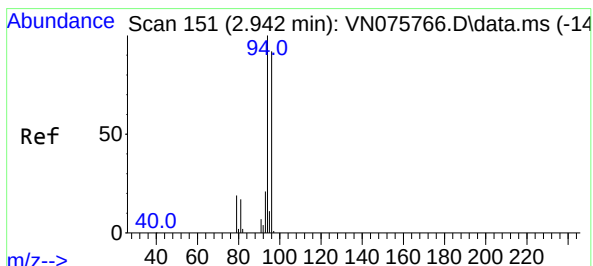
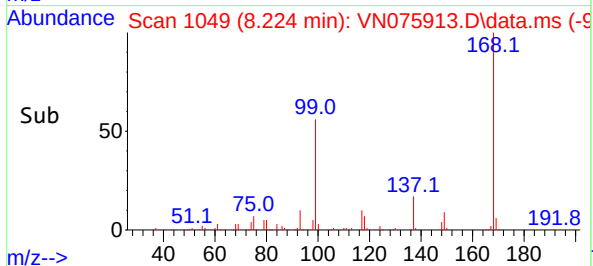
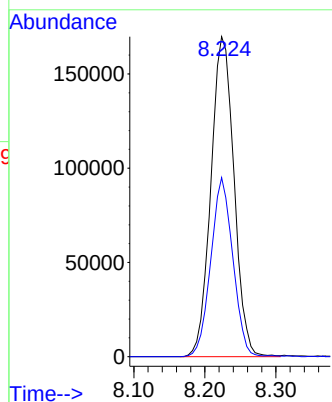
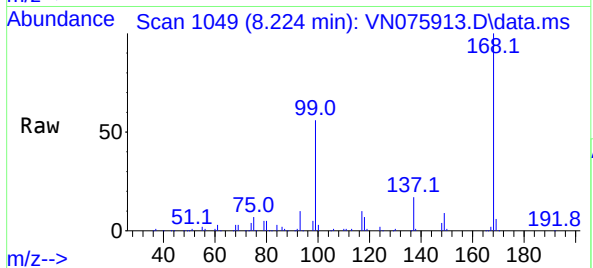




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1049
Delta R.T. -0.006 min
Lab File: VN075913.D
Acq: 21 Dec 2022 12:41

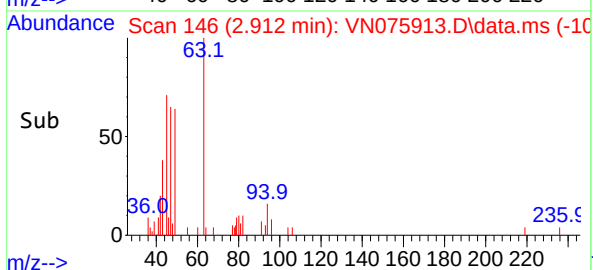
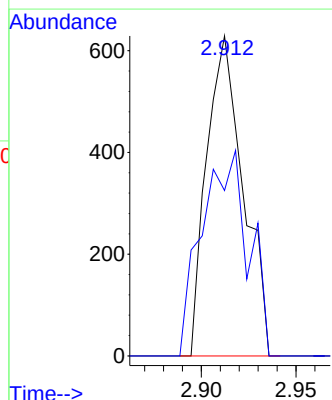
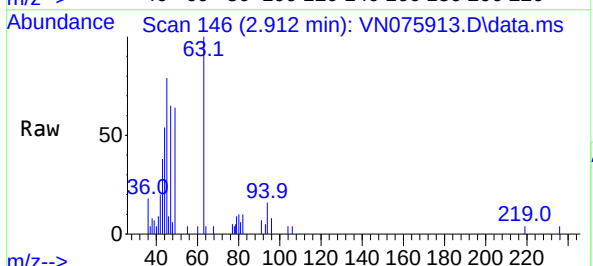
Instrument :
MSVOA_N
ClientSampleId :
VNJ-201

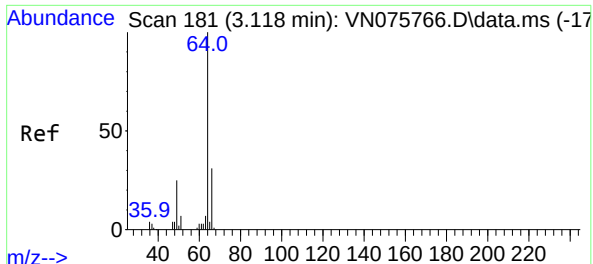
Tgt Ion:168 Resp: 383381
Ion Ratio Lower Upper
168 100
99 55.9 44.2 66.4



#5
Bromomethane
Concen: 0.247 ug/l
RT: 2.912 min Scan# 146
Delta R.T. -0.030 min
Lab File: VN075913.D
Acq: 21 Dec 2022 12:41

Tgt Ion: 94 Resp: 849
Ion Ratio Lower Upper
94 100
96 51.7 73.8 110.6#

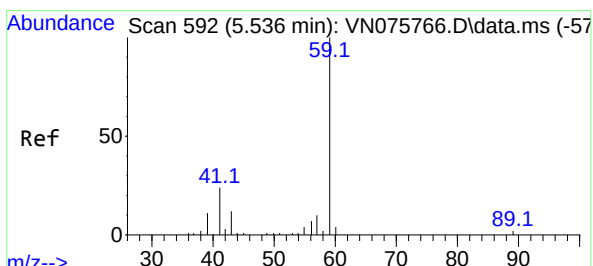
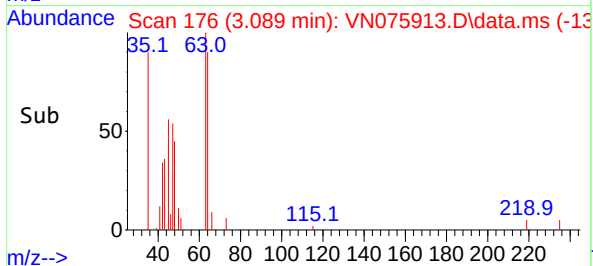
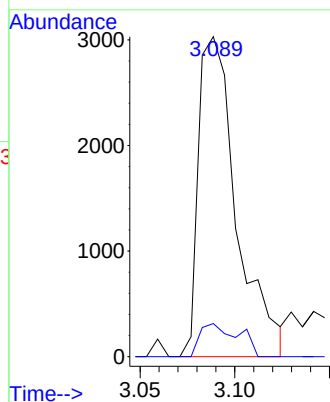
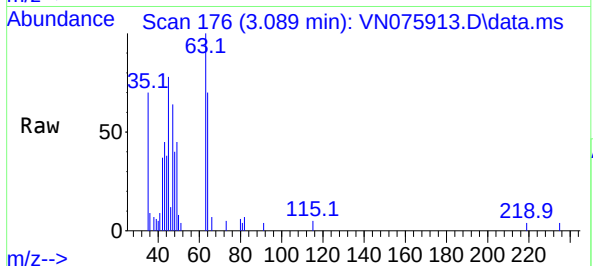




#6
Chloroethane
Concen: 1.420 ug/l
RT: 3.089 min Scan# 11
Delta R.T. -0.030 min
Lab File: VN075913.D
Acq: 21 Dec 2022 12:41

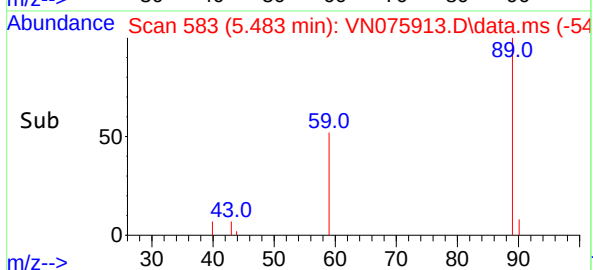
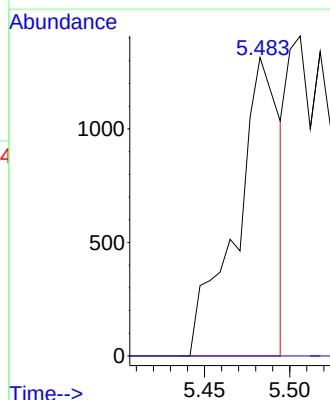
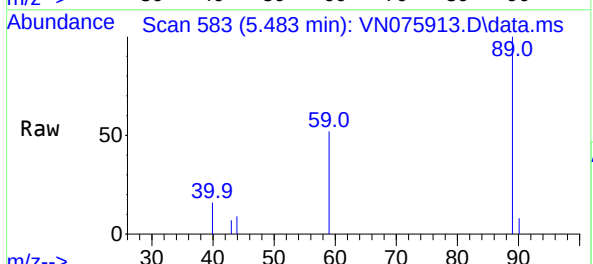
Instrument :
MSVOA_N
ClientSampleId :
VNJ-201

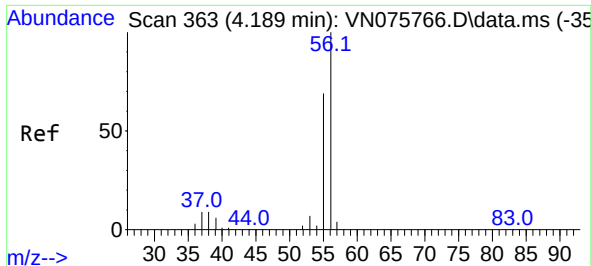
Tgt Ion: 64 Resp: 4246
Ion Ratio Lower Upper
64 100
66 10.3 24.6 36.8#



#11
Tert butyl alcohol
Concen: 3.923 ug/l
RT: 5.483 min Scan# 583
Delta R.T. -0.053 min
Lab File: VN075913.D
Acq: 21 Dec 2022 12:41

Tgt Ion: 59 Resp: 2315
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

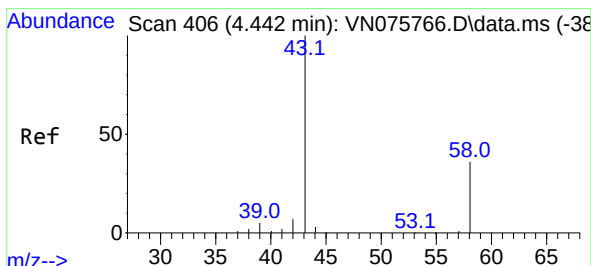
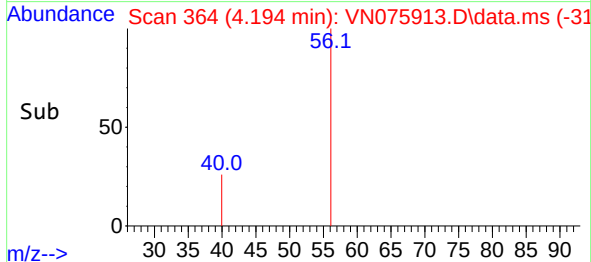
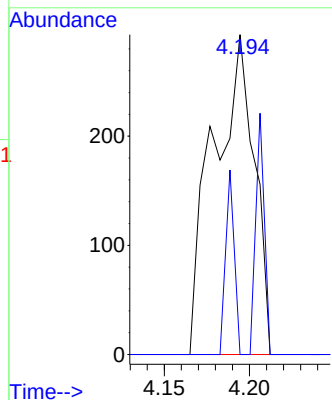
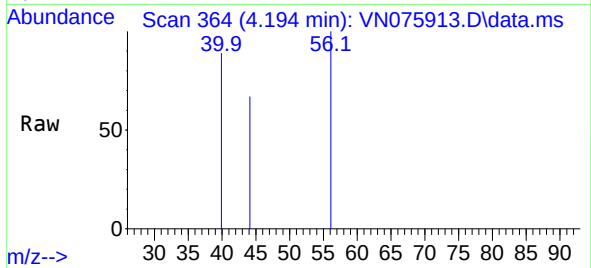




#13
Acrolein
Concen: 0.674 ug/l
RT: 4.194 min Scan# 301
Delta R.T. 0.006 min
Lab File: VN075913.D
Acq: 21 Dec 2022 12:41

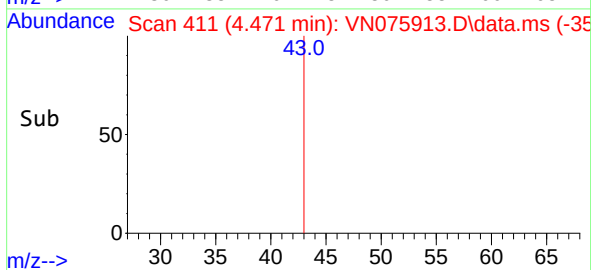
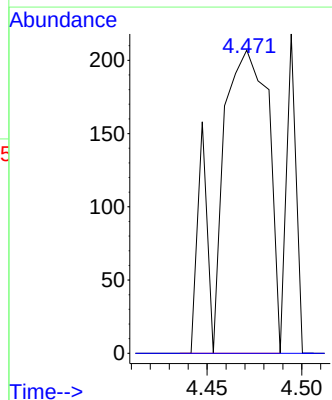
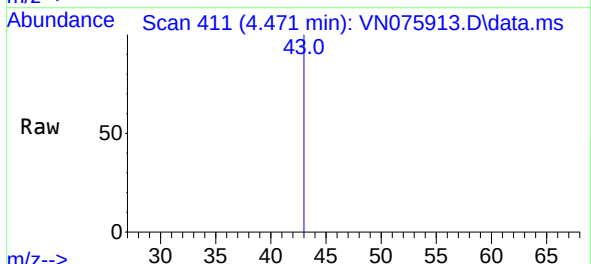
Instrument :
MSVOA_N
ClientSampleId :
VNJ-201

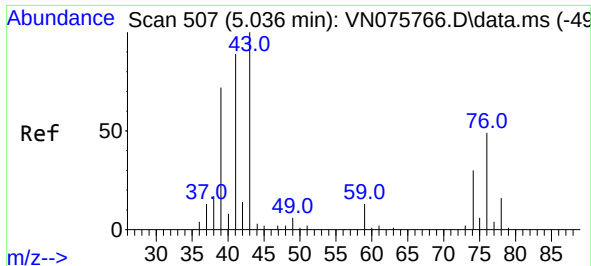
Tgt Ion: 56 Resp: 488
Ion Ratio Lower Upper
56 100
55 12.3 54.8 82.2#



#16
Acetone
Concen: 0.268 ug/l
RT: 4.471 min Scan# 411
Delta R.T. 0.029 min
Lab File: VN075913.D
Acq: 21 Dec 2022 12:41

Tgt Ion: 43 Resp: 385
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#

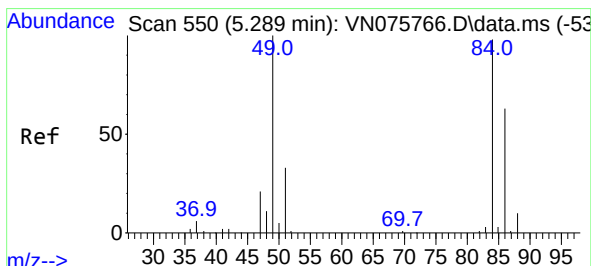
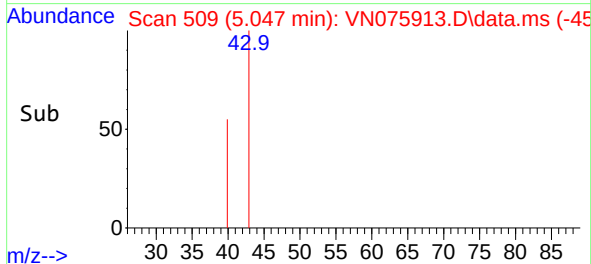
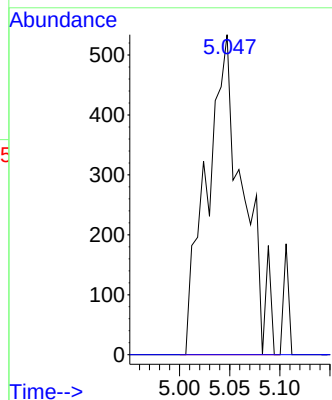
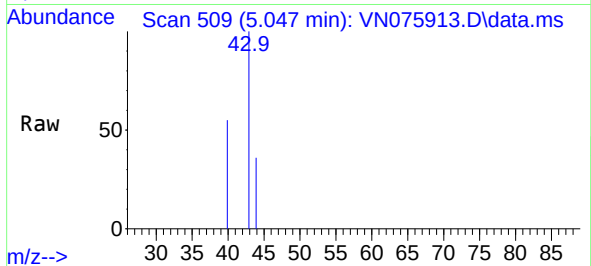




#18
Methyl Acetate
Concen: 0.321 ug/l
RT: 5.047 min Scan# 507
Delta R.T. 0.012 min
Lab File: VN075913.D
Acq: 21 Dec 2022 12:41

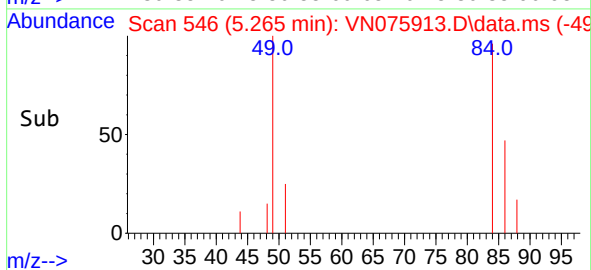
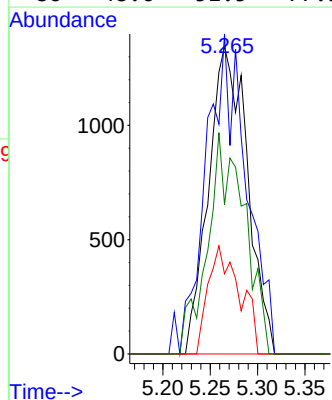
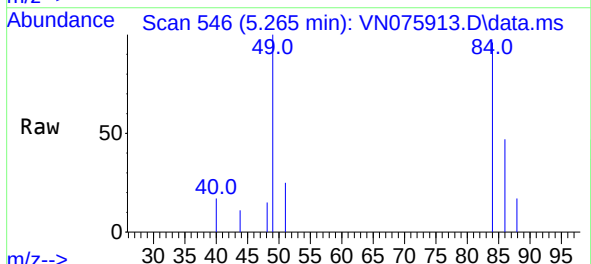
Instrument :
MSVOA_N
ClientSampleId :
VNJ-201

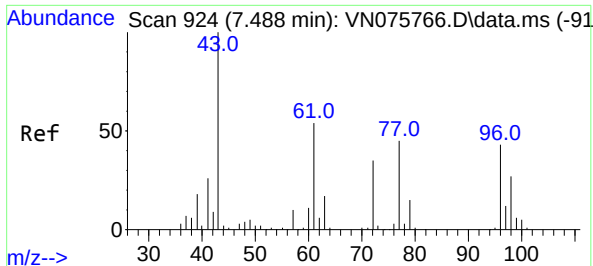
Tgt Ion: 43 Resp: 1363
Ion Ratio Lower Upper
43 100
74 0.0 23.6 35.4#



#20
Methylene Chloride
Concen: 0.362 ug/l
RT: 5.265 min Scan# 546
Delta R.T. -0.024 min
Lab File: VN075913.D
Acq: 21 Dec 2022 12:41

Tgt Ion: 84 Resp: 3838
Ion Ratio Lower Upper
84 100
49 104.1 81.8 122.6
51 26.1 26.7 40.1#
86 48.6 51.5 77.3#

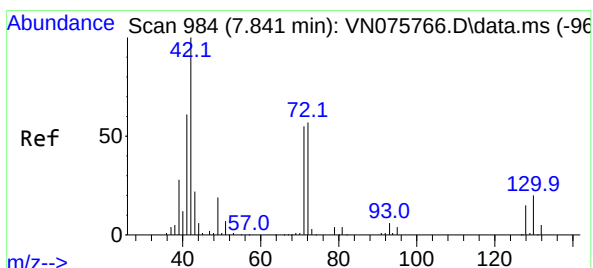
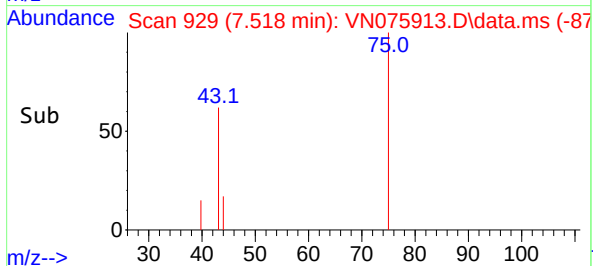
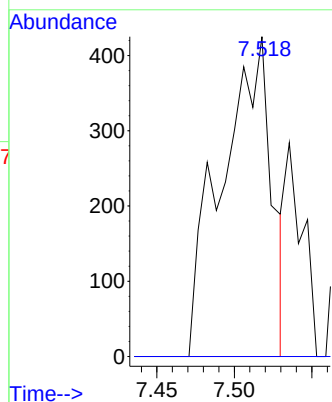
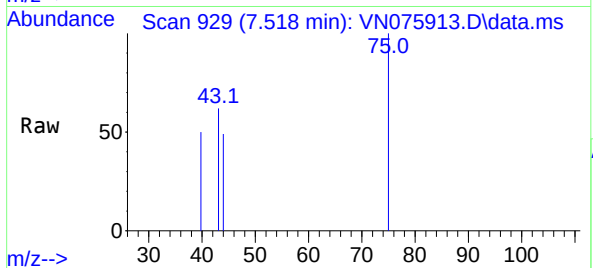




#25
2-Butanone
Concen: 0.471 ug/l
RT: 7.518 min Scan# 91
Delta R.T. 0.029 min
Lab File: VN075913.D
Acq: 21 Dec 2022 12:41

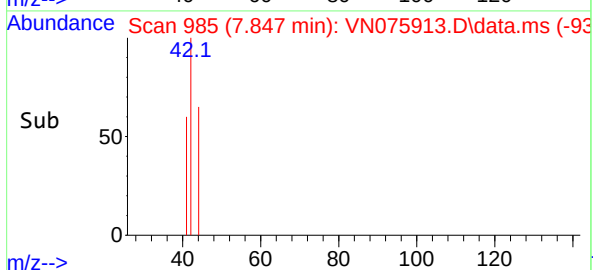
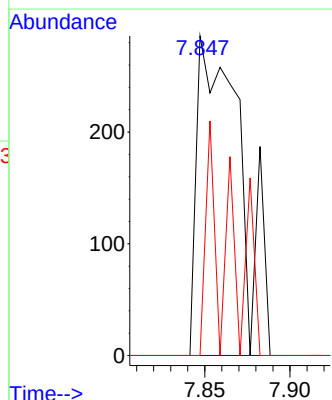
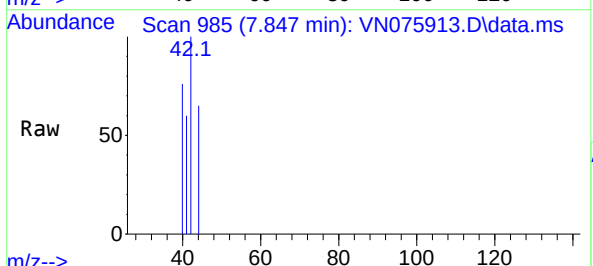
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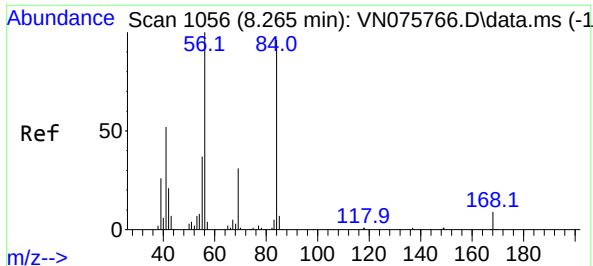
Tgt Ion: 43 Resp: 948
Ion Ratio Lower Upper
43 100
72 0.0 28.0 42.0#



#29
Tetrahydrofuran
Concen: 0.402 ug/l
RT: 7.847 min Scan# 985
Delta R.T. 0.006 min
Lab File: VN075913.D
Acq: 21 Dec 2022 12:41

Tgt Ion: 42 Resp: 507
Ion Ratio Lower Upper
42 100
72 0.0 44.5 66.7#
71 14.6 41.0 61.6#

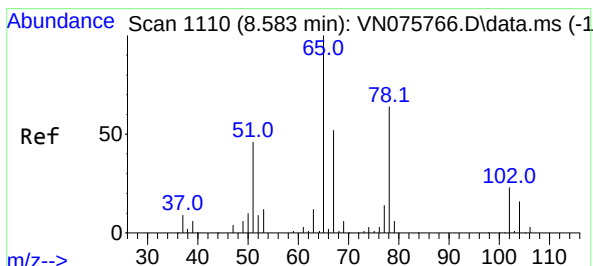
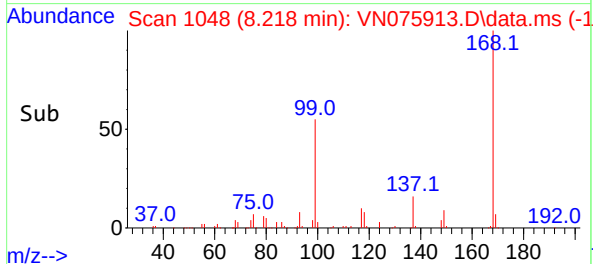
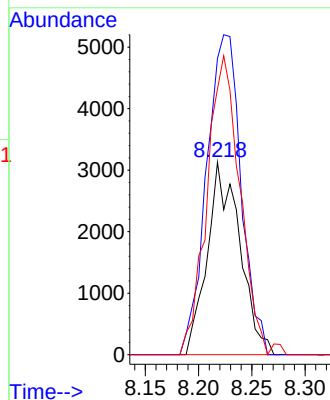
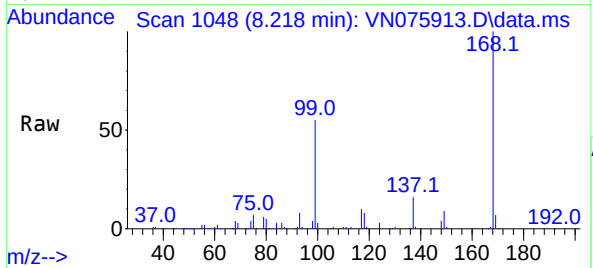




#31
Cyclohexane
Concen: 1.115 ug/l
RT: 8.218 min Scan# 1048
Delta R.T. -0.047 min
Lab File: VN075913.D
Acq: 21 Dec 2022 12:41

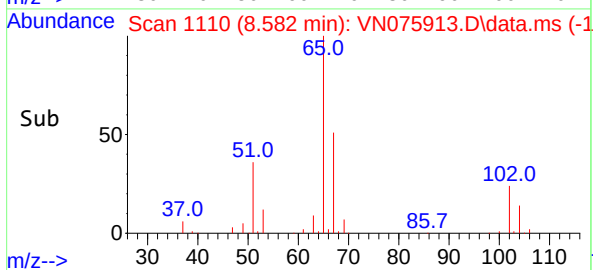
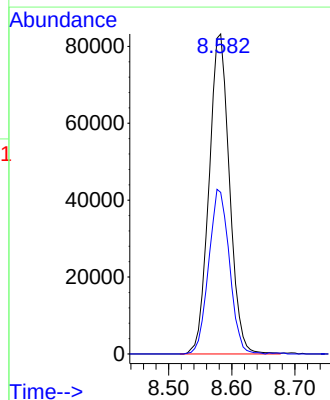
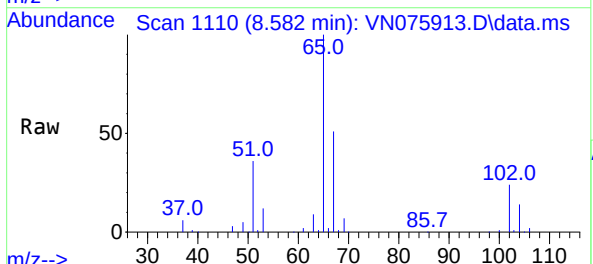
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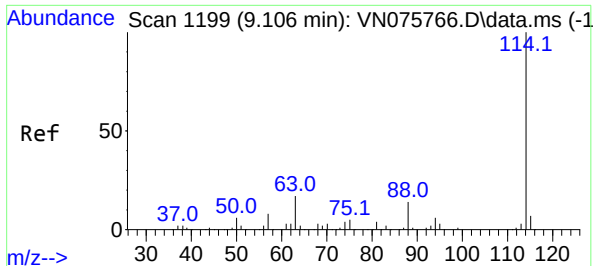
Tgt Ion: 56 Resp: 6663
Ion Ratio Lower Upper
56 100
69 153.9 24.7 37.1#
84 138.1 76.5 114.7#



#33
1,2-Dichloroethane-d4
Concen: 44.896 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VN075913.D
Acq: 21 Dec 2022 12:41

Tgt Ion: 65 Resp: 187252
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.4

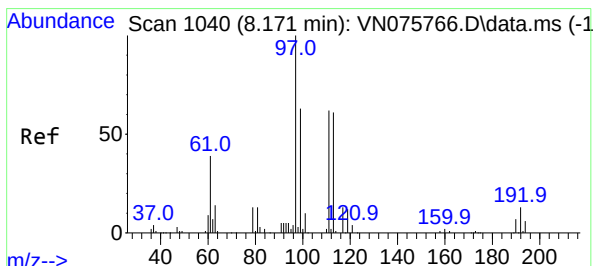
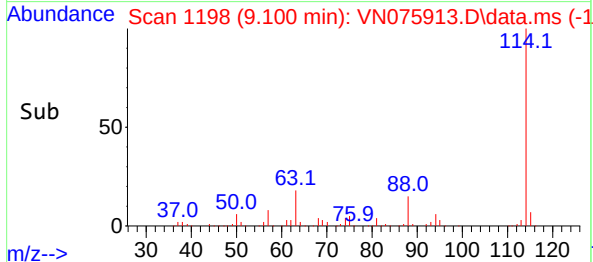
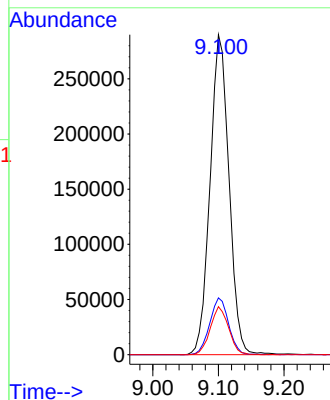
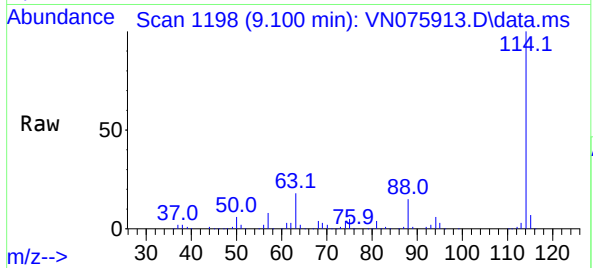




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1199
Delta R.T. -0.006 min
Lab File: VN075913.D
Acq: 21 Dec 2022 12:41

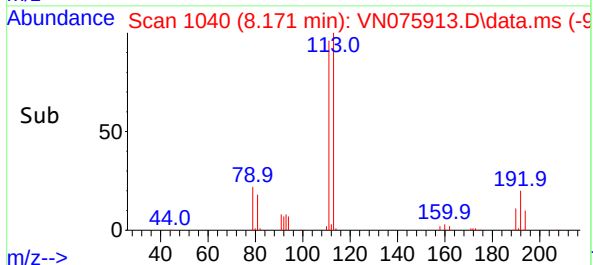
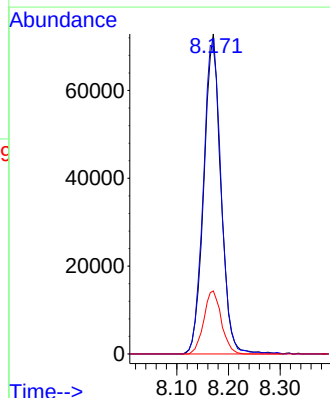
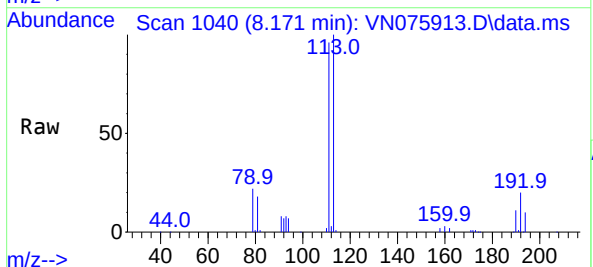
Instrument :
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ClientSampleId :
VNJ-201

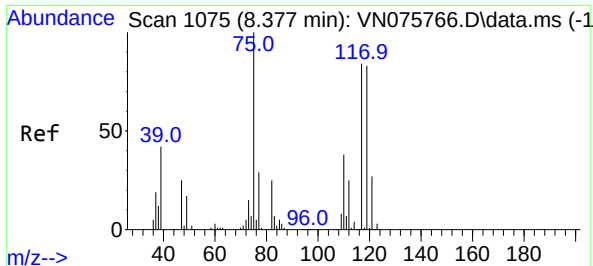
Tgt Ion:114 Resp: 582072
Ion Ratio Lower Upper
114 100
63 17.7 0.0 34.4
88 15.0 0.0 28.8



#35
Dibromofluoromethane
Concen: 46.234 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075913.D
Acq: 21 Dec 2022 12:41

Tgt Ion:113 Resp: 166660
Ion Ratio Lower Upper
113 100
111 102.2 83.4 125.2
192 20.2 16.1 24.1





#36

1,1-Dichloropropene

Concen: 5.527 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.153 min

Lab File: VN075913.D

Acq: 21 Dec 2022 12:41

Instrument :

MSVOA_N

ClientSampleId :

VNJ-201

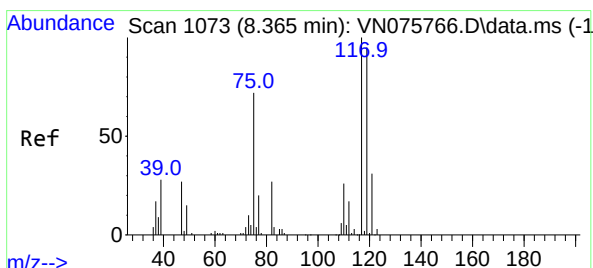
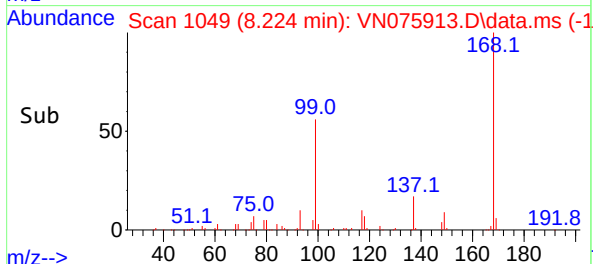
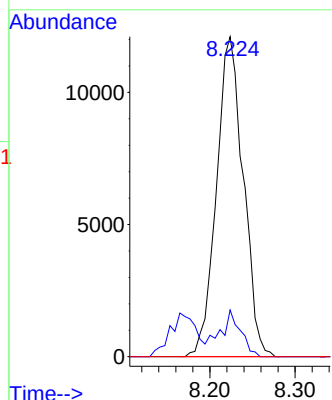
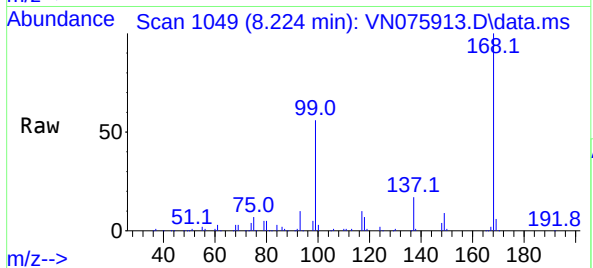
Tgt Ion: 75 Resp: 26466

Ion Ratio Lower Upper

75 100

110 11.3 18.8 56.4#

77 0.0 24.1 36.1#



#38

Carbon Tetrachloride

Concen: 6.752 ug/l

RT: 8.224 min Scan# 1049

Delta R.T. -0.141 min

Lab File: VN075913.D

Acq: 21 Dec 2022 12:41

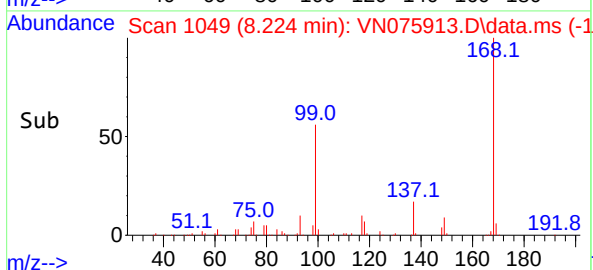
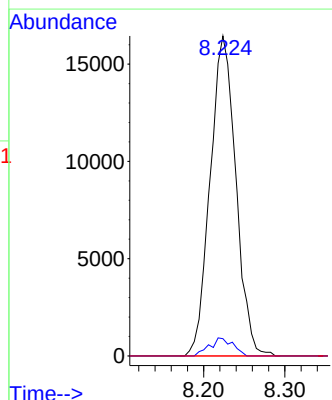
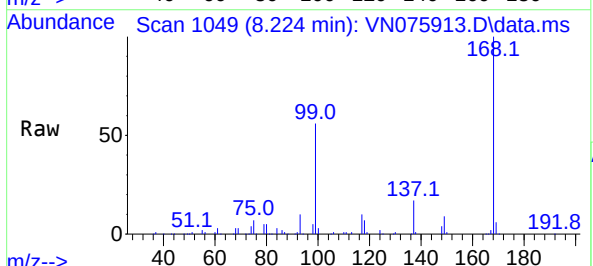
Tgt Ion: 117 Resp: 36188

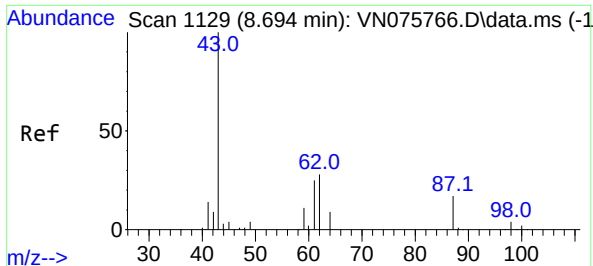
Ion Ratio Lower Upper

117 100

119 5.4 76.1 114.1#

121 0.0 24.5 36.7#





#43

Isopropyl Acetate

Concen: 0.281 ug/l

RT: 8.794 min Scan# 1129

Delta R.T. 0.100 min

Lab File: VN075913.D

Acq: 21 Dec 2022 12:41

Instrument :

MSVOA_N

ClientSampleId :

VNJ-201

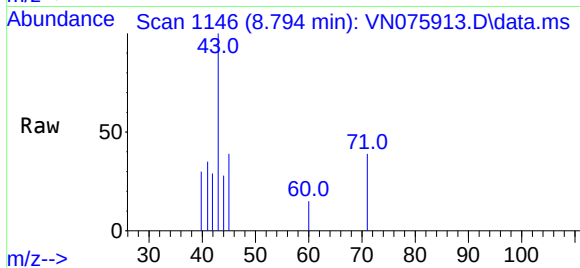
Tgt Ion: 43 Resp: 1786

Ion Ratio Lower Upper

43 100

61 0.0 24.2 36.4#

87 0.0 13.3 19.9#



Abundance

1000

800

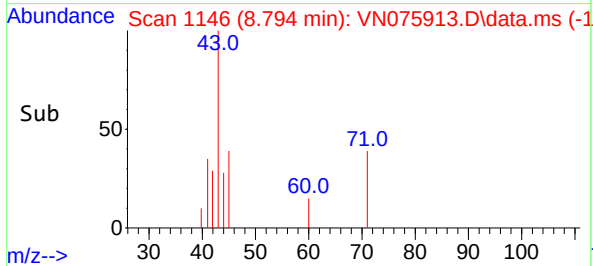
600

400

200

0

Time-->



#50

Toluene-d8

Concen: 48.903 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN075913.D

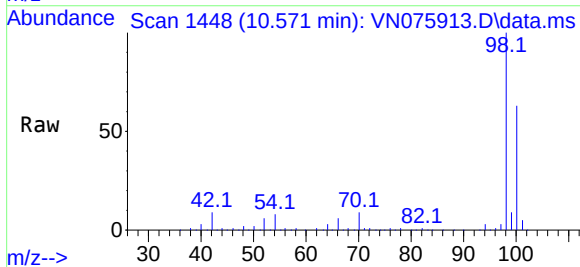
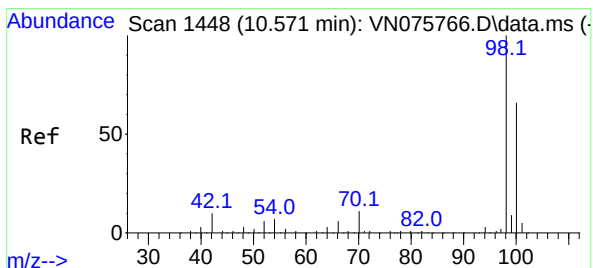
Acq: 21 Dec 2022 12:41

Tgt Ion: 98 Resp: 659086

Ion Ratio Lower Upper

98 100

100 65.1 52.1 78.1



Abundance

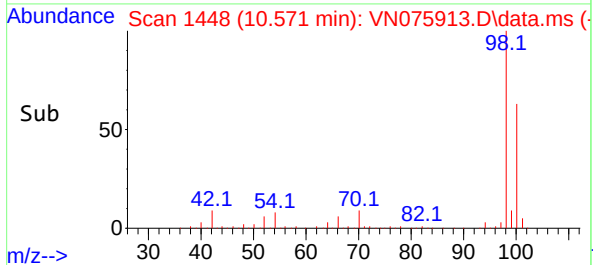
300000

200000

100000

0

Time-->



#50

Toluene-d8

Concen: 48.903 ug/l

RT: 10.571 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN075913.D

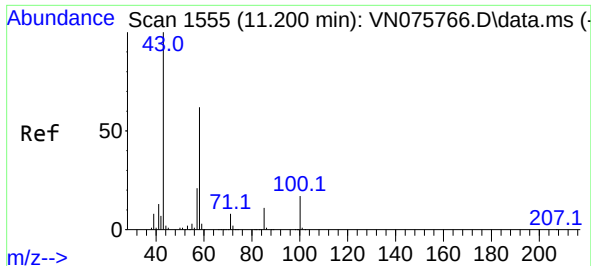
Acq: 21 Dec 2022 12:41

Tgt Ion: 98 Resp: 659086

Ion Ratio Lower Upper

98 100

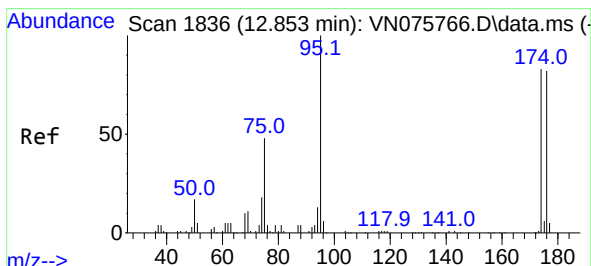
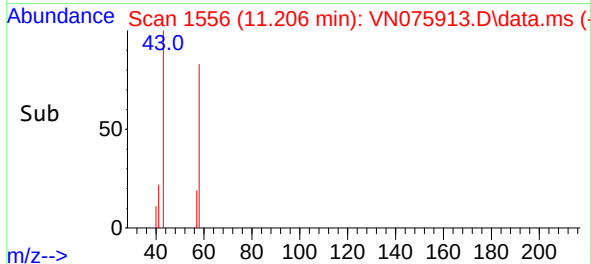
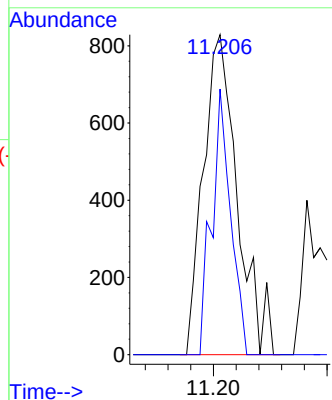
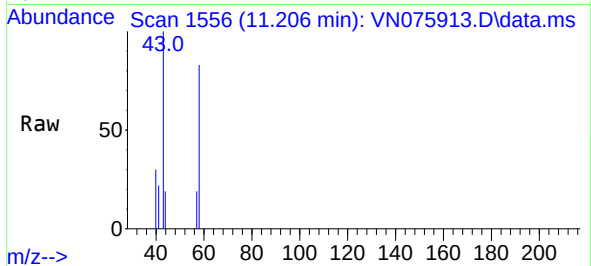
100 65.1 52.1 78.1



#59
2-Hexanone
Concen: 0.617 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN075913.D
Acq: 21 Dec 2022 12:41

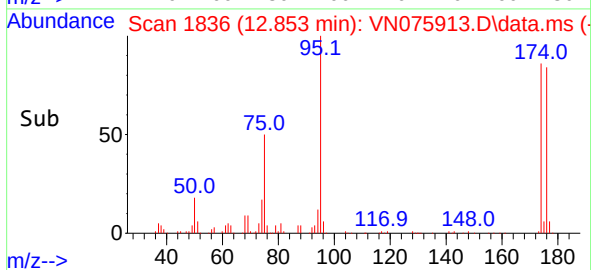
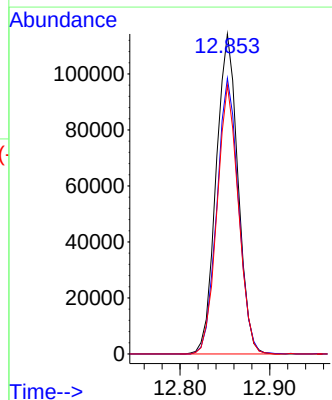
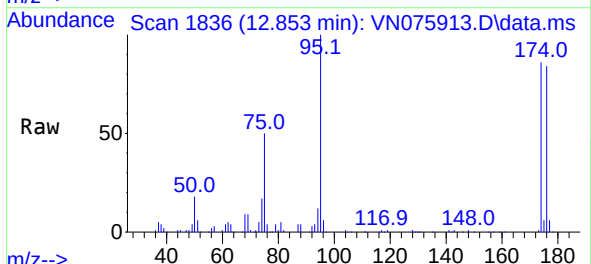
Instrument :
MSVOA_N
ClientSampleId :
VNJ-201

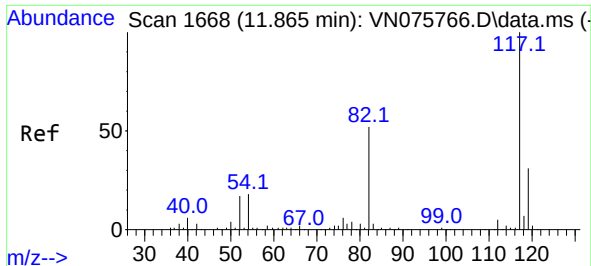
Tgt Ion: 43 Resp: 1727
Ion Ratio Lower Upper
43 100
58 46.1 30.6 92.0



#62
4-Bromofluorobenzene
Concen: 43.222 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075913.D
Acq: 21 Dec 2022 12:41

Tgt Ion: 95 Resp: 192940
Ion Ratio Lower Upper
95 100
174 85.4 0.0 171.6
176 82.0 0.0 169.2

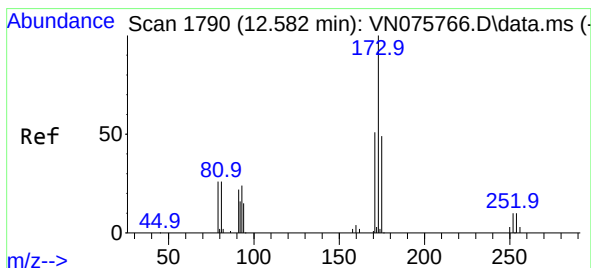
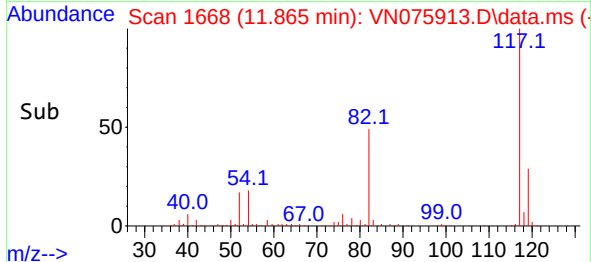
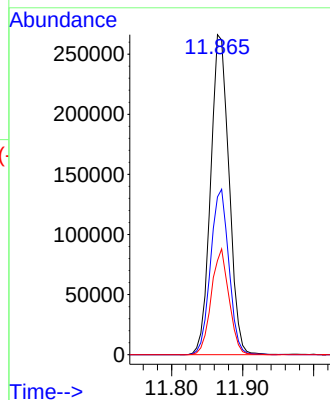
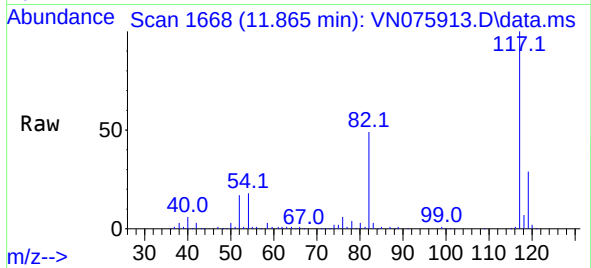




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN075913.D
Acq: 21 Dec 2022 12:41

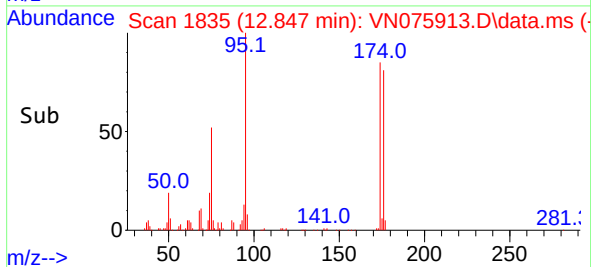
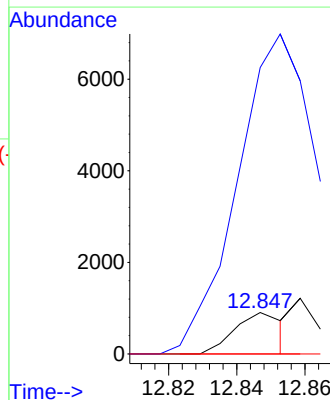
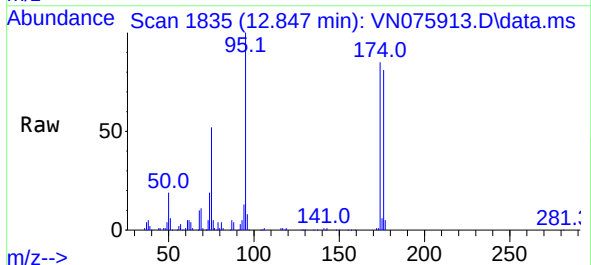
Instrument :
MSVOA_N
ClientSampleId :
VNJ-201

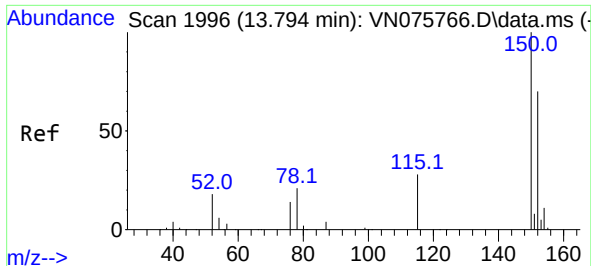
Tgt Ion:117 Resp: 478339
Ion Ratio Lower Upper
117 100
82 49.3 41.3 61.9
119 29.4 24.6 37.0



#71
Bromoform
Concen: 0.336 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN075913.D
Acq: 21 Dec 2022 12:41

Tgt Ion:173 Resp: 889
Ion Ratio Lower Upper
173 100
175 1048.7 24.3 72.8#
254 0.0 0.0 0.0

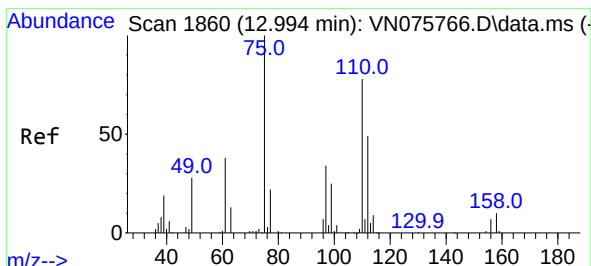
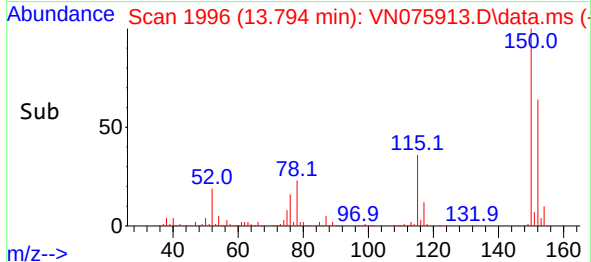
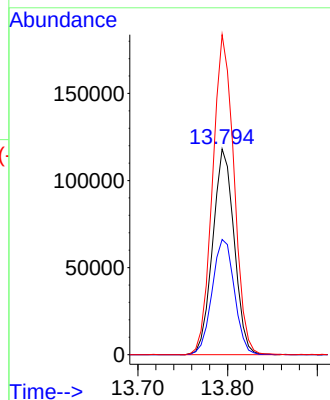
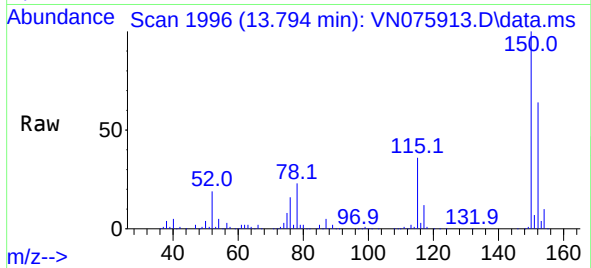




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075913.D
Acq: 21 Dec 2022 12:41

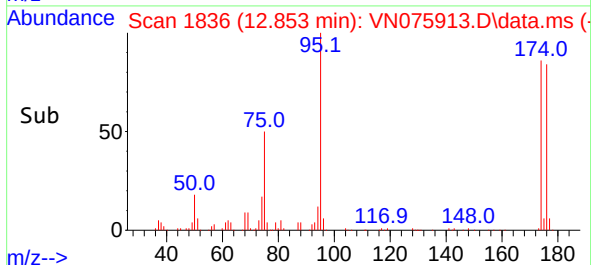
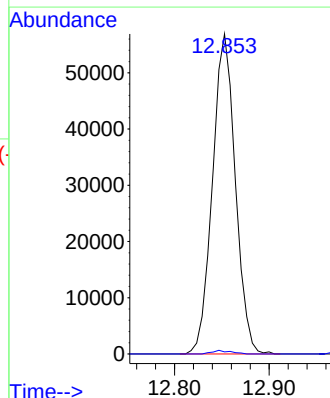
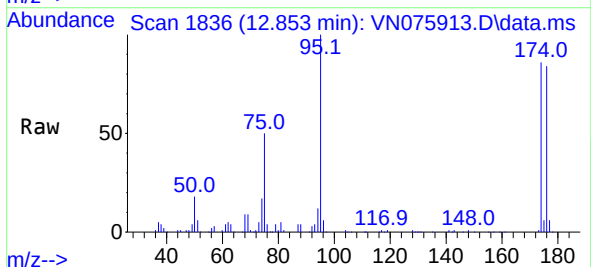
Instrument :
MSVOA_N
ClientSampleId :
VNJ-201

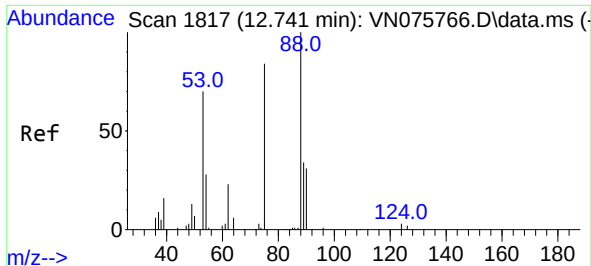
Tgt Ion:152 Resp: 195901
Ion Ratio Lower Upper
152 100
115 58.4 29.1 87.4
150 155.3 0.0 347.0



#76
1,2,3-Trichloropropane
Concen: 24.129 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075913.D
Acq: 21 Dec 2022 12:41

Tgt Ion: 75 Resp: 95284
Ion Ratio Lower Upper
75 100
77 0.9 82.6 247.8#

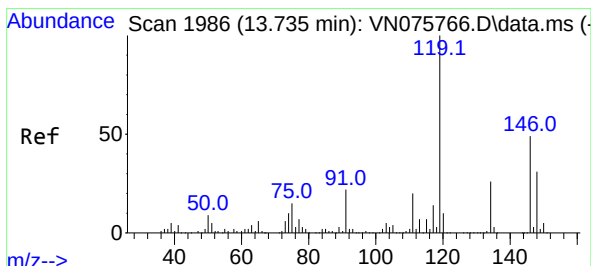
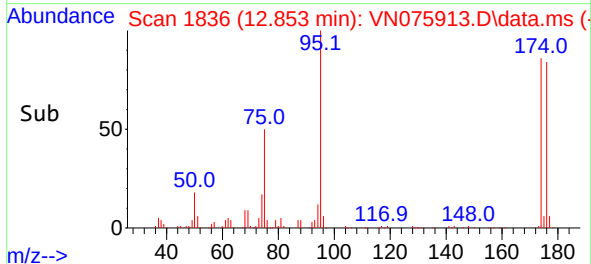
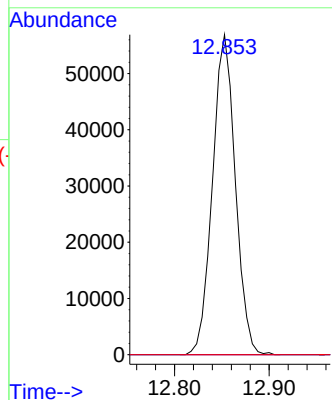
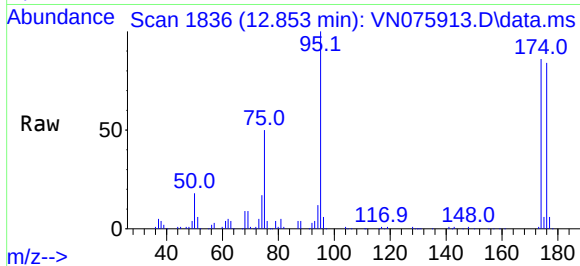




#81
trans-1,4-Dichloro-2-butene
Concen: 86.854 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075913.D
Acq: 21 Dec 2022 12:41

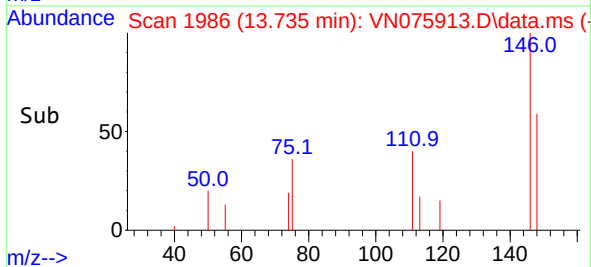
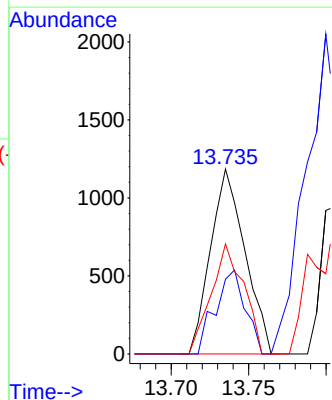
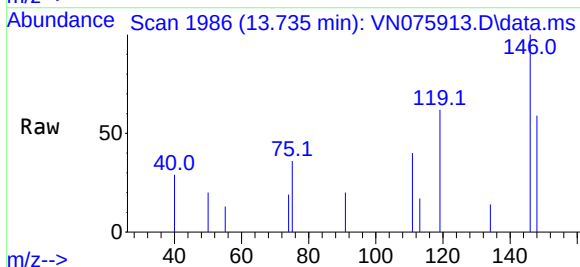
Instrument :
MSVOA_N
ClientSampleId :
VNJ-201

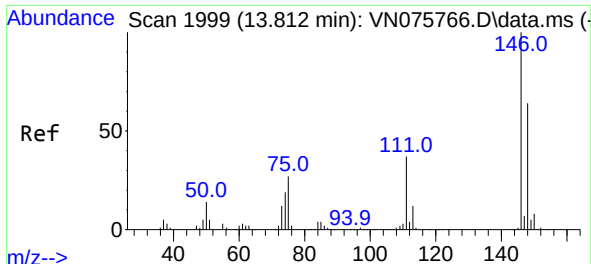
Tgt Ion: 75 Resp: 95284
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#



#87
1,3-Dichlorobenzene
Concen: 0.276 ug/l
RT: 13.735 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN075913.D
Acq: 21 Dec 2022 12:41

Tgt Ion:146 Resp: 1828
Ion Ratio Lower Upper
146 100
111 39.4 19.7 59.0
148 56.2 31.4 94.2

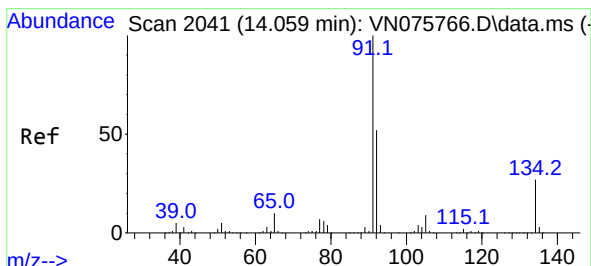
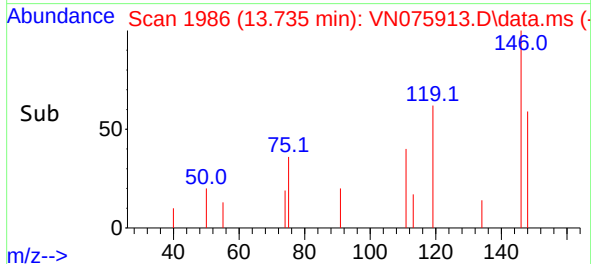
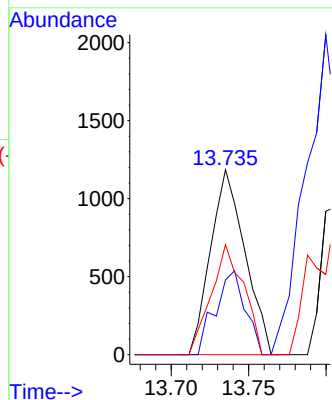
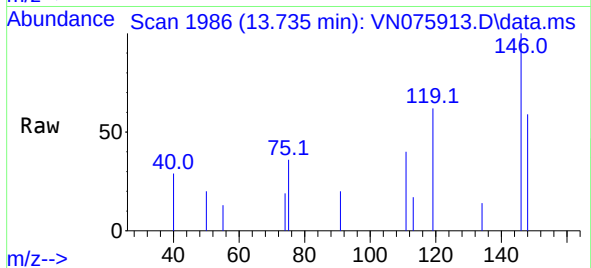




#88
1,4-Dichlorobenzene
Concen: 0.270 ug/l
RT: 13.735 min Scan# 1999
Delta R.T. -0.077 min
Lab File: VN075913.D
Acq: 21 Dec 2022 12:41

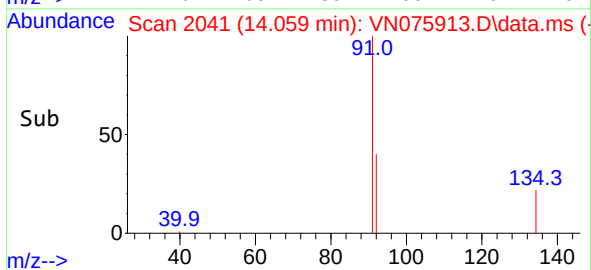
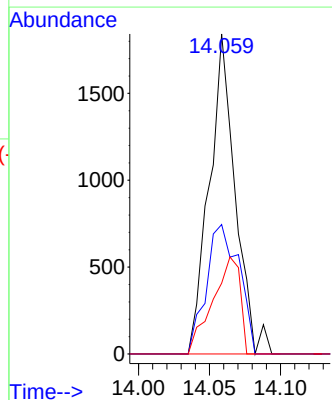
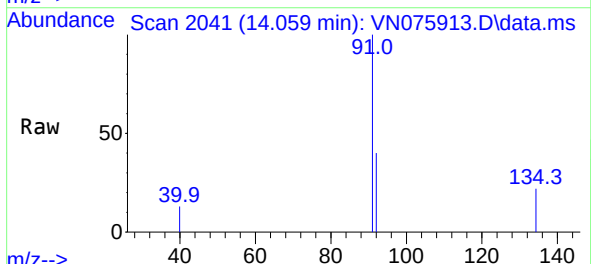
Instrument :
MSVOA_N
ClientSampleId :
VNJ-201

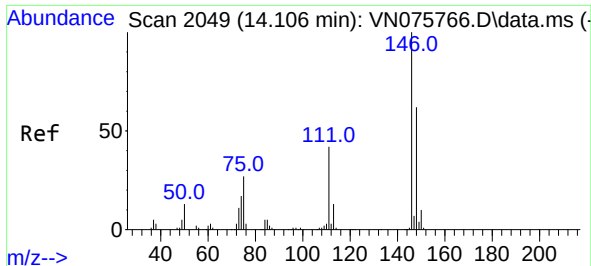
Tgt Ion:146 Resp: 1828
Ion Ratio Lower Upper
146 100
111 39.4 19.1 57.1
148 56.2 32.0 96.2



#89
n-Butylbenzene
Concen: 0.241 ug/l
RT: 14.059 min Scan# 2041
Delta R.T. -0.000 min
Lab File: VN075913.D
Acq: 21 Dec 2022 12:41

Tgt Ion: 91 Resp: 2347
Ion Ratio Lower Upper
91 100
92 50.9 26.4 79.2
134 31.9 13.4 40.2





#91

1,2-Dichlorobenzene

Concen: 0.287 ug/l

RT: 14.111 min Scan# 2049

Delta R.T. 0.006 min

Lab File: VN075913.D

Acq: 21 Dec 2022 12:41

Instrument :

MSVOA_N

ClientSampleId :

VNJ-201

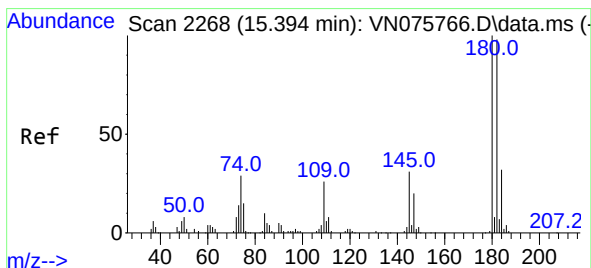
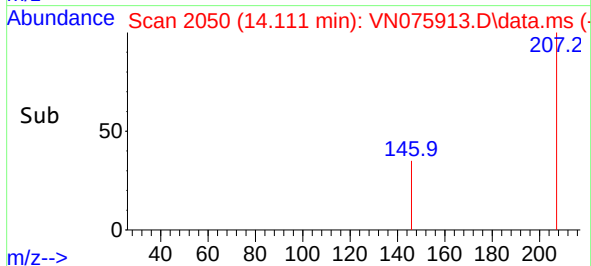
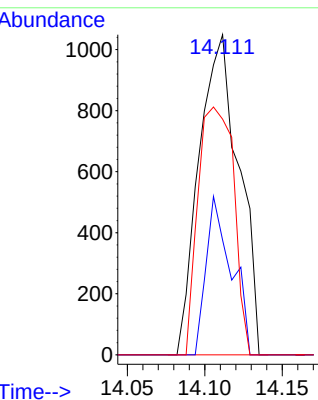
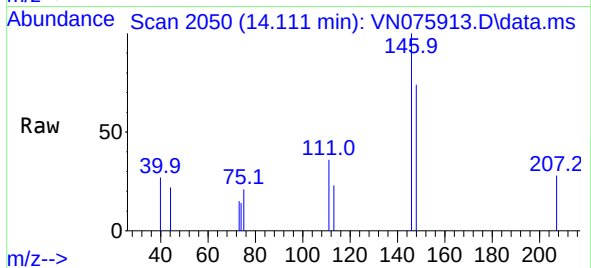
Tgt Ion:146 Resp: 1873

Ion Ratio Lower Upper

146 100

111 31.5 20.3 61.0

148 69.4 31.7 95.1



#93

1,2,4-Trichlorobenzene

Concen: 0.833 ug/l

RT: 15.388 min Scan# 2267

Delta R.T. -0.006 min

Lab File: VN075913.D

Acq: 21 Dec 2022 12:41

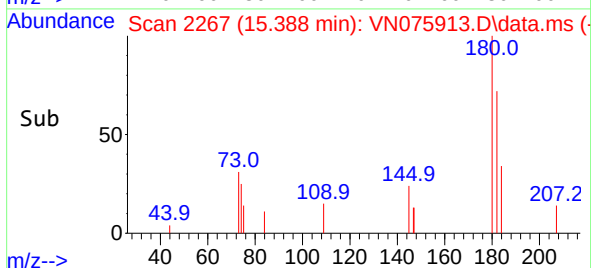
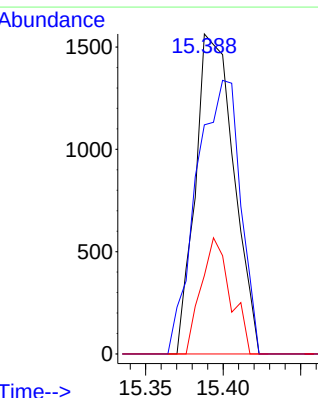
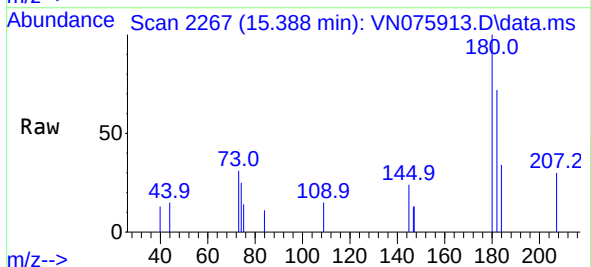
Tgt Ion:180 Resp: 2687

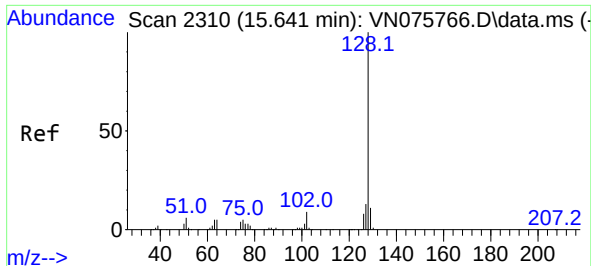
Ion Ratio Lower Upper

180 100

182 98.0 47.5 142.5

145 27.8 15.3 45.8

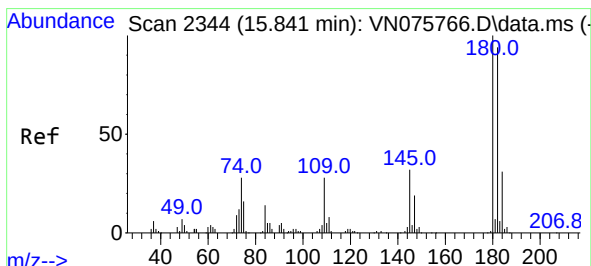
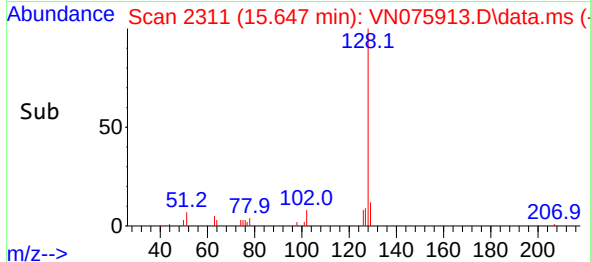
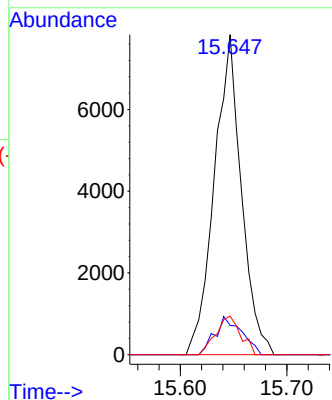
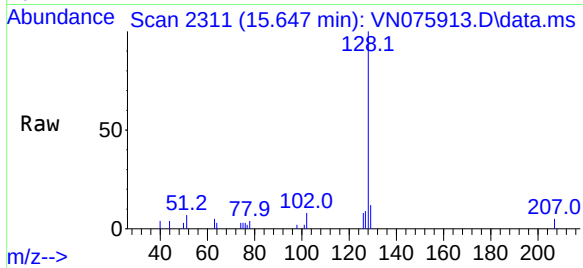




#95
Naphthalene
Concen: 3.416 ug/l
RT: 15.647 min Scan# 2310
Delta R.T. 0.006 min
Lab File: VN075913.D
Acq: 21 Dec 2022 12:41

Instrument :
MSVOA_N
ClientSampleId :
VNJ-201

Tgt Ion:	128	Resp:	13800
Ion	Ratio	Lower	Upper
128	100		
127	11.8	10.4	15.6
129	11.0	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 1.072 ug/l
RT: 15.841 min Scan# 2344
Delta R.T. -0.000 min
Lab File: VN075913.D
Acq: 21 Dec 2022 12:41

Tgt Ion:	180	Resp:	3235
Ion	Ratio	Lower	Upper
180	100		
182	105.8	47.0	141.0
145	27.6	16.0	47.9

