

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122122\
 Data File : VN075909.D
 Acq On : 21 Dec 2022 10:56
 Operator : JC\MD
 Sample : VN1221MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221MBL01

Quant Time: Dec 21 14:15:03 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)

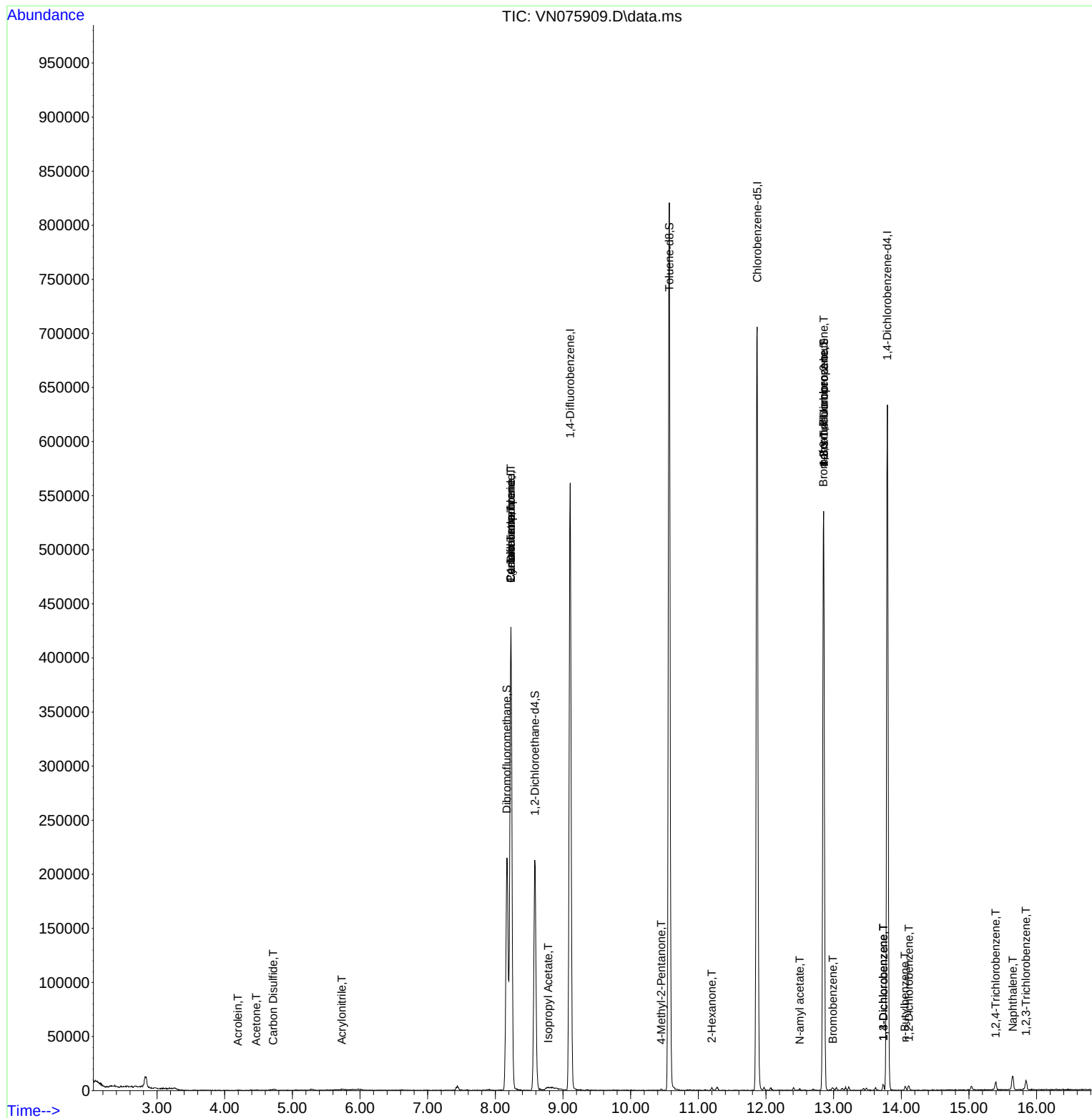
Internal Standards						
1) Pentafluorobenzene	8.230	168	335715	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	522983	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	440533	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	180369	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	169019	46.278	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.560%		
35) Dibromofluoromethane	8.171	113	152753	47.164	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.320%		
50) Toluene-d8	10.571	98	590381	48.754	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.500%		
62) 4-Bromofluorobenzene	12.853	95	183489	45.749	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.500%		
Target Compounds						
					Qvalue	
13) Acrolein	4.194	56	274	0.432	ug/l #	46
15) Acrylonitrile	5.730	53	813	0.576	ug/l #	29
16) Acetone	4.465	43	662	0.526	ug/l #	39
17) Carbon Disulfide	4.718	76	1639	0.228	ug/l #	76
20) Methylene Chloride	5.277	84	985	Below Cal	#	69
31) Cyclohexane	8.230	56	6479	1.239	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	23141	5.379	ug/l #	49
38) Carbon Tetrachloride	8.230	117	32927	6.838	ug/l #	16
43) Isopropyl Acetate	8.782	43	2692	0.472	ug/l #	50
51) 4-Methyl-2-Pentanone	10.453	43	853	0.247	ug/l #	71
59) 2-Hexanone	11.200	43	1895	0.754	ug/l	90
71) Bromoform	12.847	173	1123	0.461	ug/l #	1
74) N-amyl acetate	12.500	43	1060	0.277	ug/l #	60
76) 1,2,3-Trichloropropane	12.853	75	91848	25.262	ug/l #	1
77) Bromobenzene	12.988	156	782	0.237	ug/l	86
81) trans-1,4-Dichloro-2-b...	12.853	75	91848	90.931	ug/l #	12
87) 1,3-Dichlorobenzene	13.735	146	2019	0.331	ug/l	92
88) 1,4-Dichlorobenzene	13.735	146	2019	0.324	ug/l	92
89) n-Butylbenzene	14.053	91	2537	0.283	ug/l	84
91) 1,2-Dichlorobenzene	14.111	146	2154	0.359	ug/l	94
93) 1,2,4-Trichlorobenzene	15.394	180	3480	1.171	ug/l	99
95) Naphthalene	15.647	128	14938	3.633	ug/l	98
96) 1,2,3-Trichlorobenzene	15.841	180	4374	1.575	ug/l	95

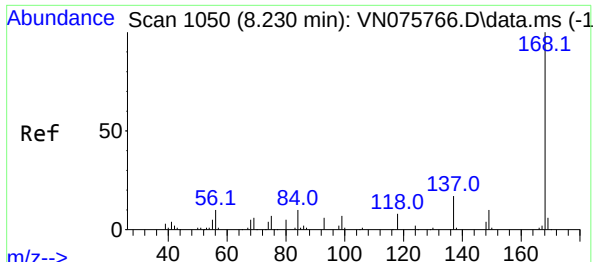
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBL01

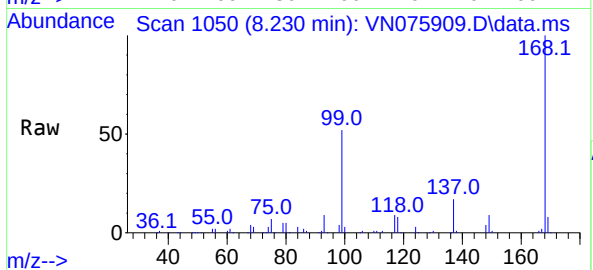
Quant Time: Dec 21 14:15:03 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 14 13:03:41 2022
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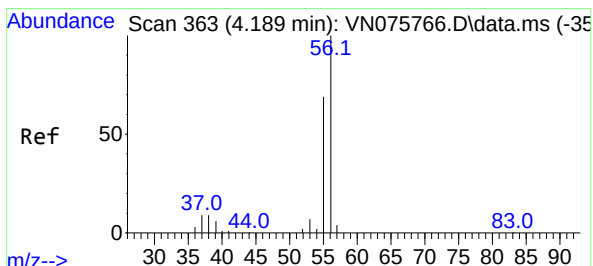
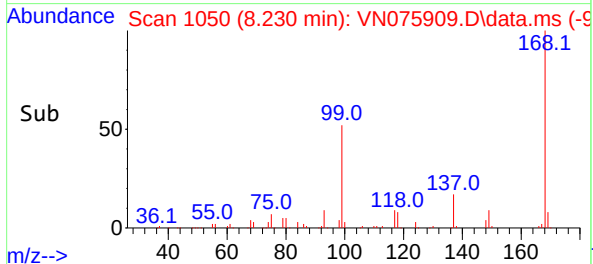
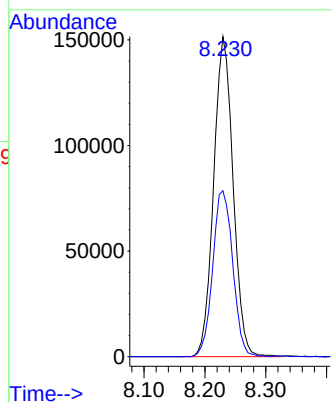


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075909.D
Acq: 21 Dec 2022 10:56

Instrument :
MSVOA_N
ClientSampleId :
VN1221MBL01

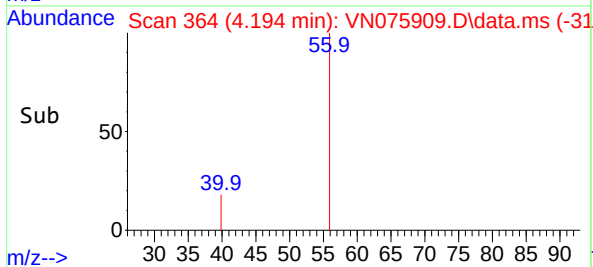
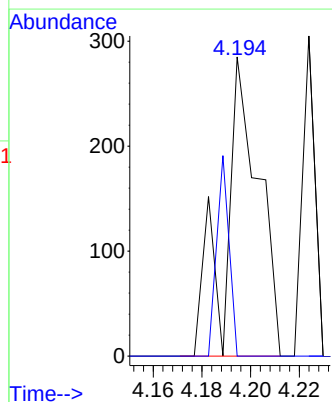
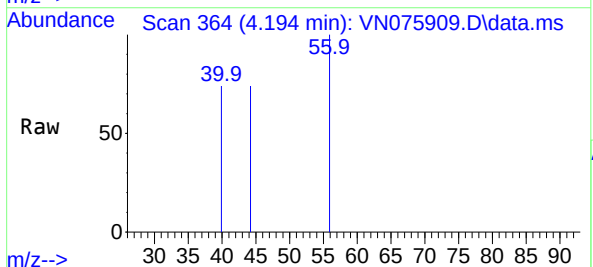


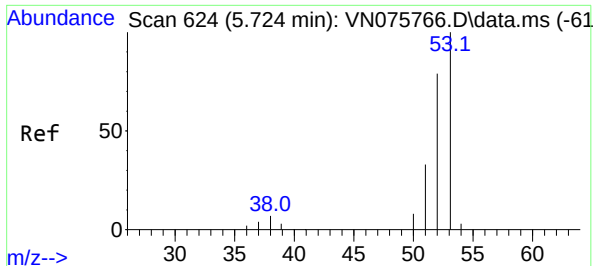
Tgt Ion:168 Resp: 335715
Ion Ratio Lower Upper
168 100
99 51.8 44.2 66.4



#13
Acrolein
Concen: 0.432 ug/l
RT: 4.194 min Scan# 364
Delta R.T. 0.006 min
Lab File: VN075909.D
Acq: 21 Dec 2022 10:56

Tgt Ion: 56 Resp: 274
Ion Ratio Lower Upper
56 100
55 24.5 54.8 82.2#

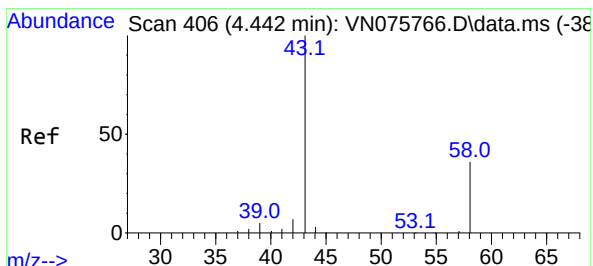
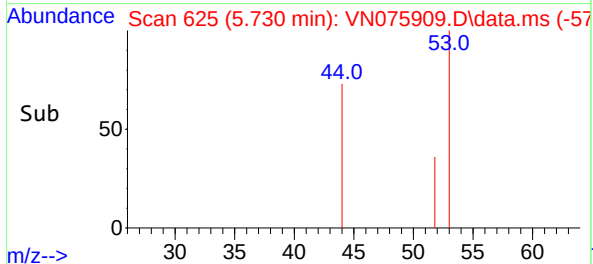
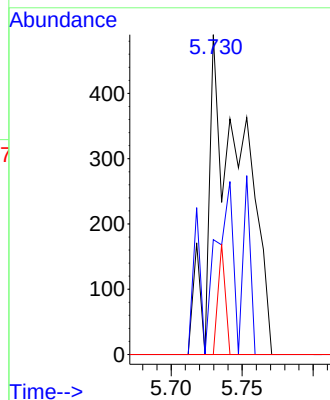
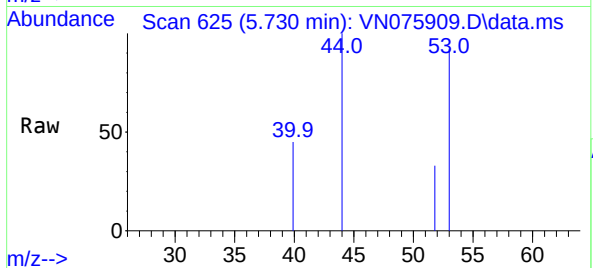




#15
Acrylonitrile
Concen: 0.576 ug/l
RT: 5.730 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN075909.D
Acq: 21 Dec 2022 10:56

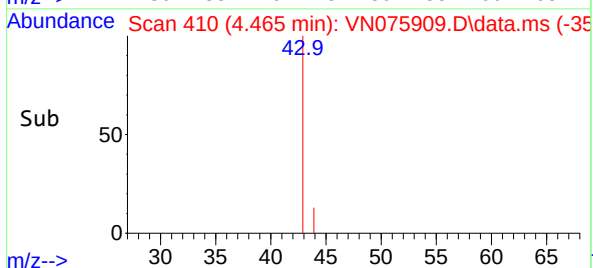
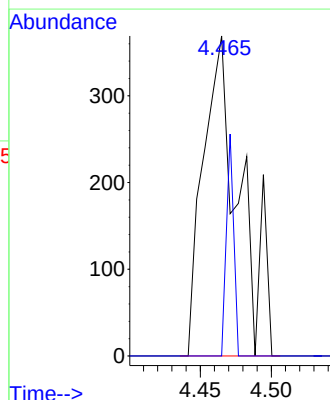
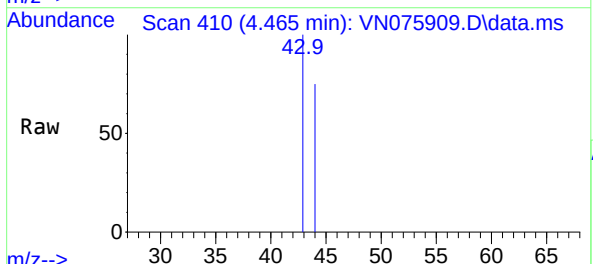
Instrument :
MSVOA_N
ClientSampleId :
VN1221MBL01

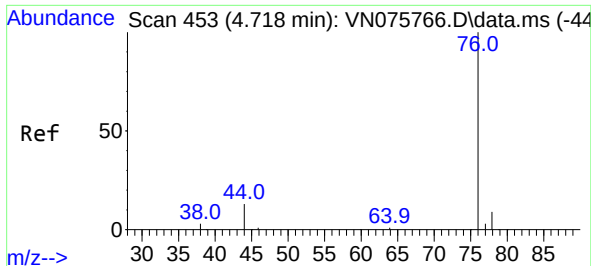
Tgt Ion: 53 Resp: 813
Ion Ratio Lower Upper
53 100
52 9.7 65.4 98.0#
51 7.4 28.9 43.3#



#16
Acetone
Concen: 0.526 ug/l
RT: 4.465 min Scan# 410
Delta R.T. 0.023 min
Lab File: VN075909.D
Acq: 21 Dec 2022 10:56

Tgt Ion: 43 Resp: 662
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#

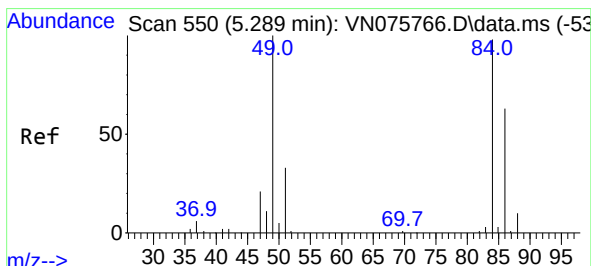
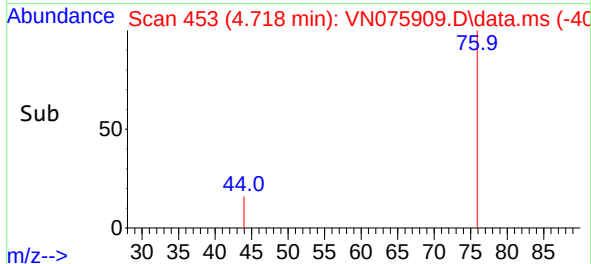
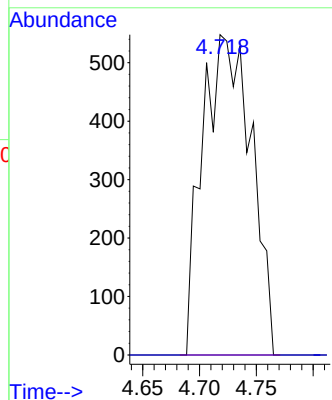
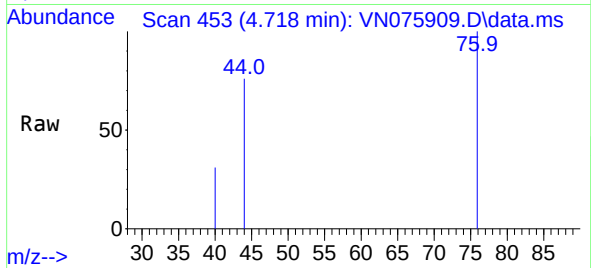




#17
Carbon Disulfide
Concen: 0.228 ug/l
RT: 4.718 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN075909.D
Acq: 21 Dec 2022 10:56

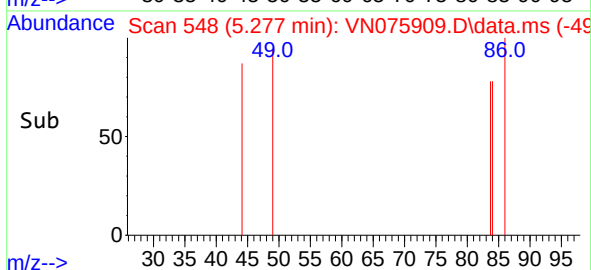
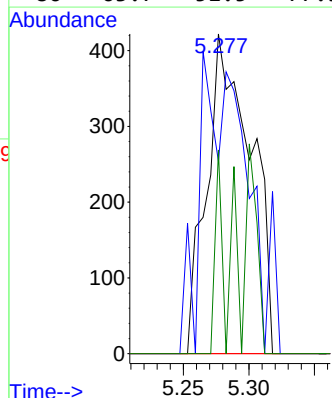
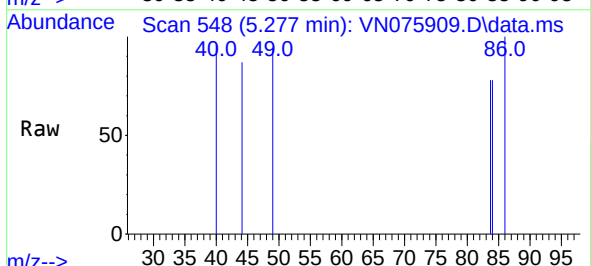
Instrument :
MSVOA_N
ClientSampleId :
VN1221MBL01

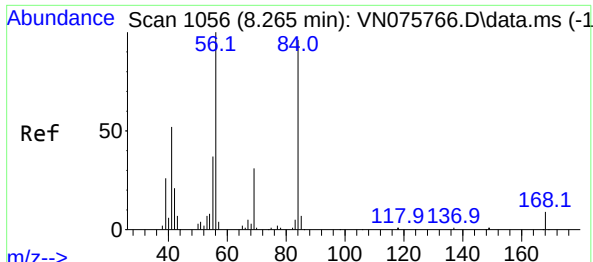
Tgt Ion: 76 Resp: 1639
Ion Ratio Lower Upper
76 100
78 0.0 6.8 10.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 548
Delta R.T. -0.012 min
Lab File: VN075909.D
Acq: 21 Dec 2022 10:56

Tgt Ion: 84 Resp: 985
Ion Ratio Lower Upper
84 100
49 60.2 81.8 122.6#
51 0.0 26.7 40.1#
86 63.7 51.5 77.3





#31

Cyclohexane

Concen: 1.239 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.035 min

Lab File: VN075909.D

Acq: 21 Dec 2022 10:56

Instrument :

MSVOA_N

ClientSampleId :

VN1221MBL01

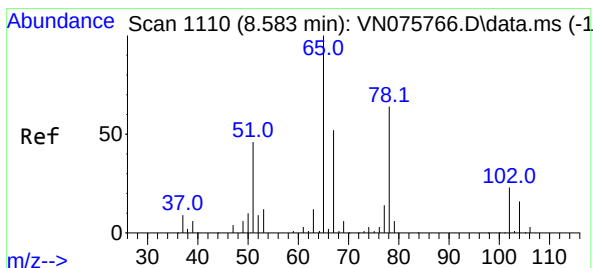
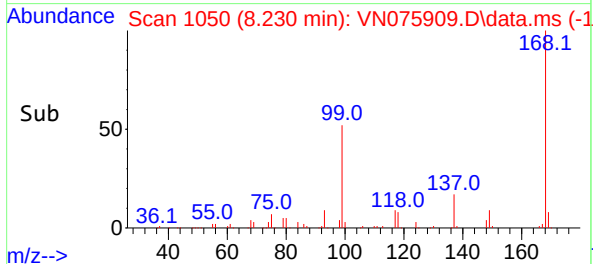
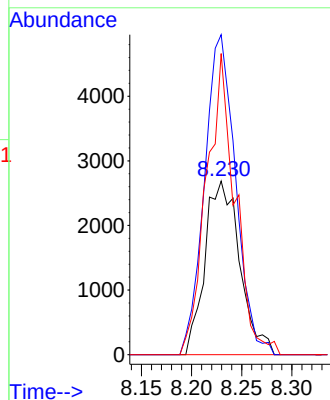
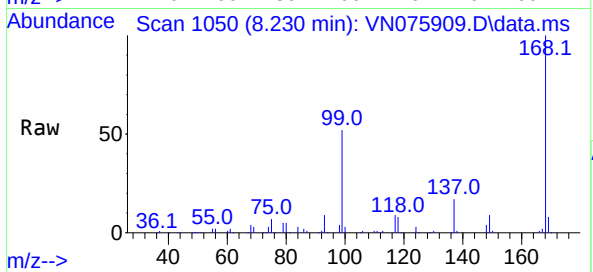
Tgt Ion: 56 Resp: 6479

Ion Ratio Lower Upper

56 100

69 184.4 24.7 37.1#

84 173.5 76.5 114.7#



#33

1,2-Dichloroethane-d4

Concen: 46.278 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VN075909.D

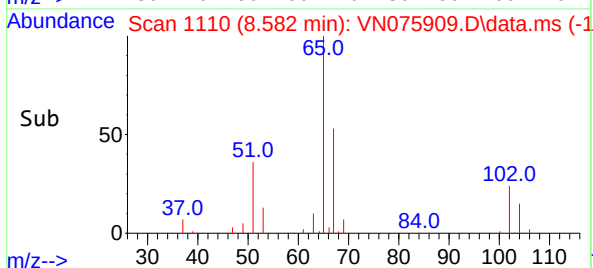
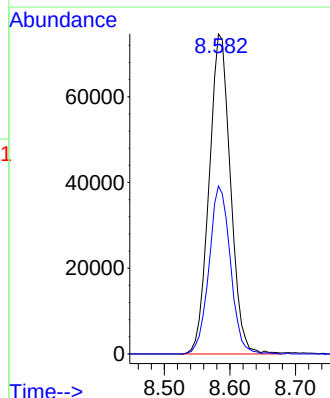
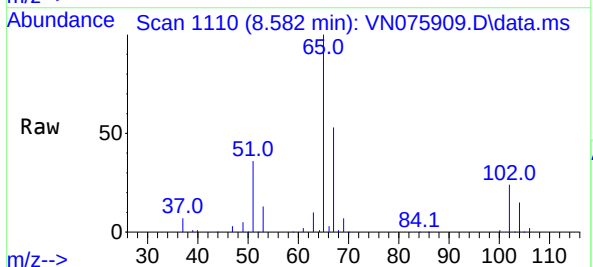
Acq: 21 Dec 2022 10:56

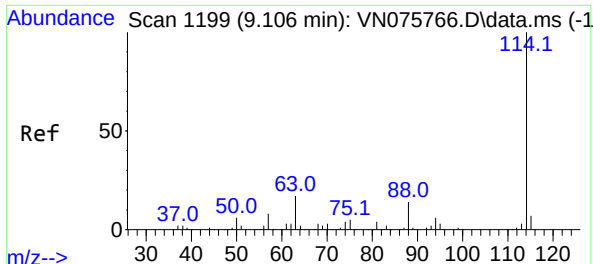
Tgt Ion: 65 Resp: 169019

Ion Ratio Lower Upper

65 100

67 52.3 0.0 103.4

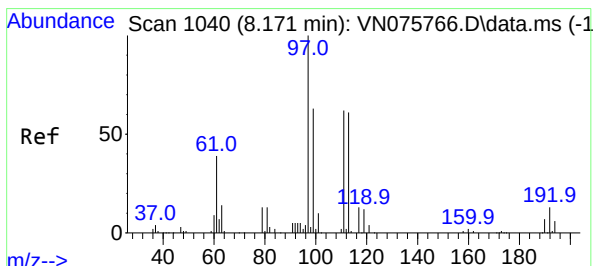
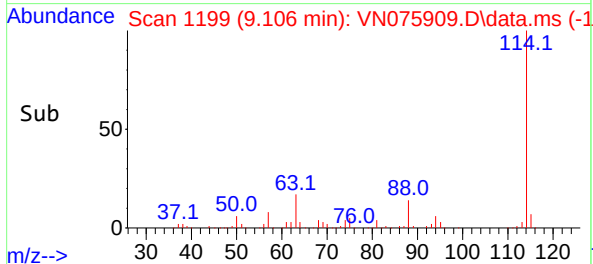
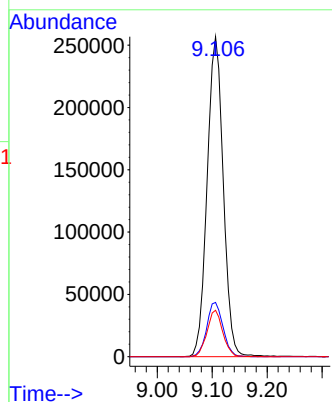
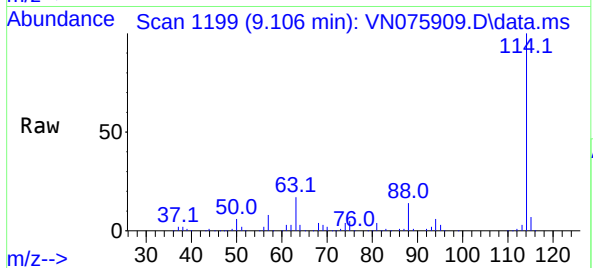




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN075909.D
Acq: 21 Dec 2022 10:56

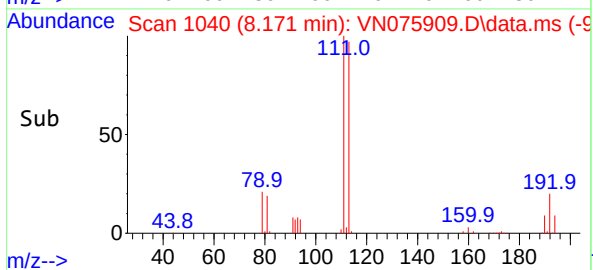
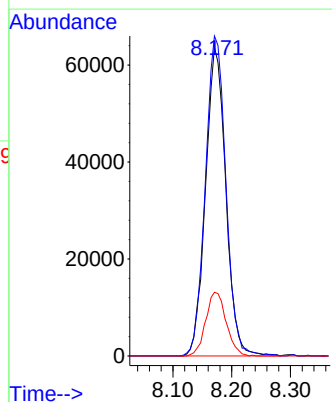
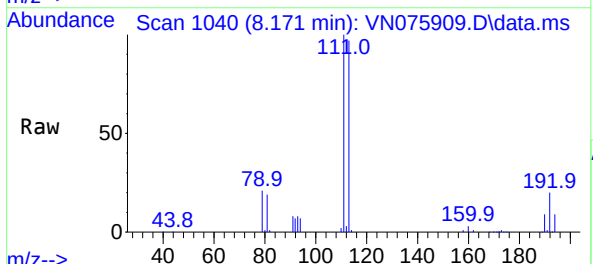
Instrument :
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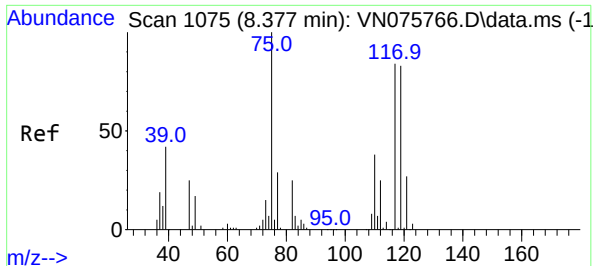
Tgt Ion:114 Resp: 522983
Ion Ratio Lower Upper
114 100
63 16.9 0.0 34.4
88 14.5 0.0 28.8



#35
Dibromofluoromethane
Concen: 47.164 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075909.D
Acq: 21 Dec 2022 10:56

Tgt Ion:113 Resp: 152753
Ion Ratio Lower Upper
113 100
111 105.1 83.4 125.2
192 20.8 16.1 24.1

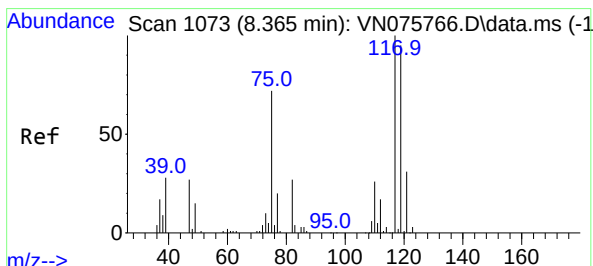
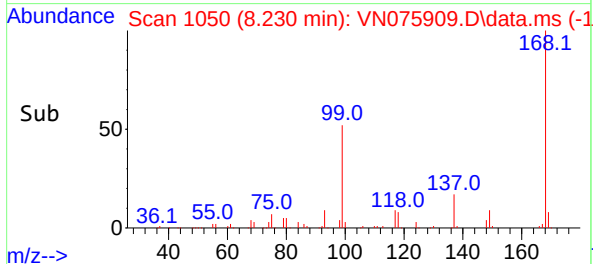
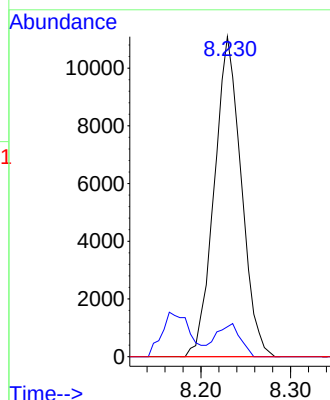
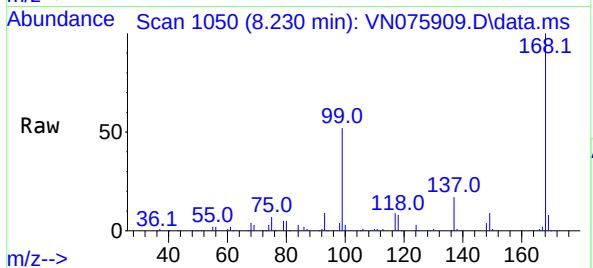




#36
1,1-Dichloropropene
Concen: 5.379 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.147 min
Lab File: VN075909.D
Acq: 21 Dec 2022 10:56

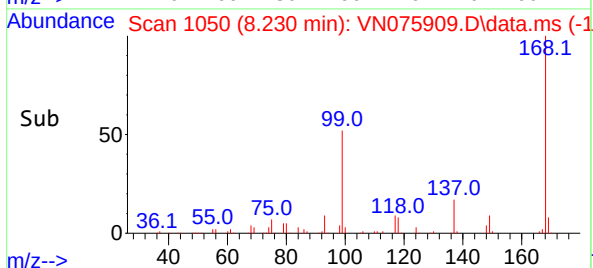
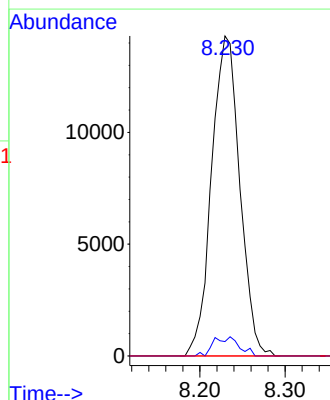
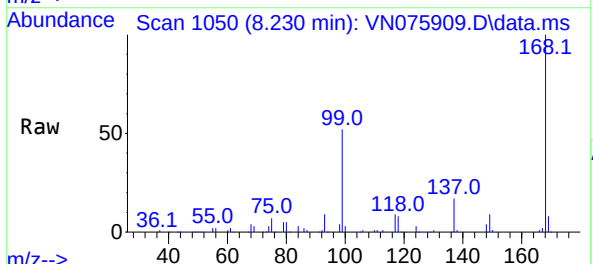
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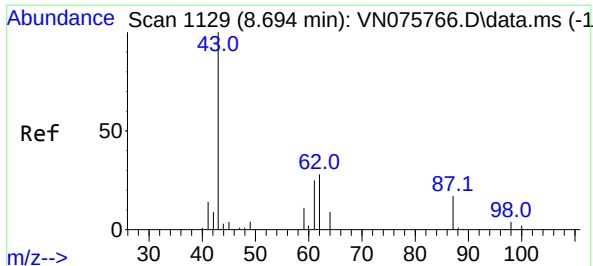
Tgt Ion: 75 Resp: 23141
Ion Ratio Lower Upper
75 100
110 9.1 18.8 56.4#
77 0.0 24.1 36.1#



#38
Carbon Tetrachloride
Concen: 6.838 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN075909.D
Acq: 21 Dec 2022 10:56

Tgt Ion: 117 Resp: 32927
Ion Ratio Lower Upper
117 100
119 4.5 76.1 114.1#
121 0.0 24.5 36.7#

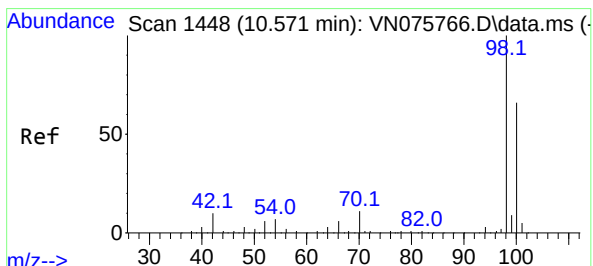
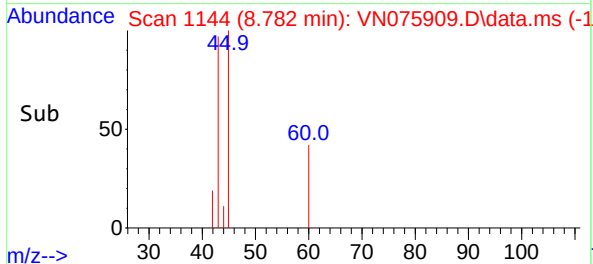
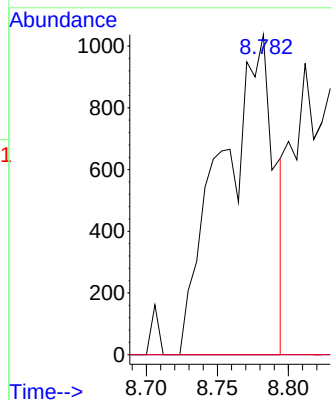
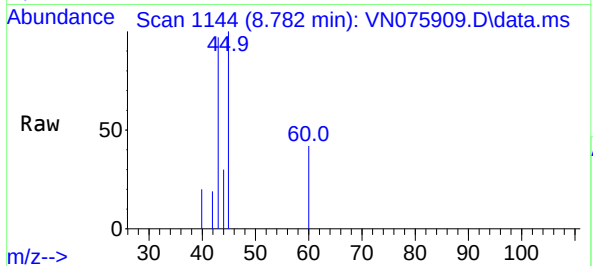




#43
Isopropyl Acetate
Concen: 0.472 ug/l
RT: 8.782 min Scan# 1129
Delta R.T. 0.088 min
Lab File: VN075909.D
Acq: 21 Dec 2022 10:56

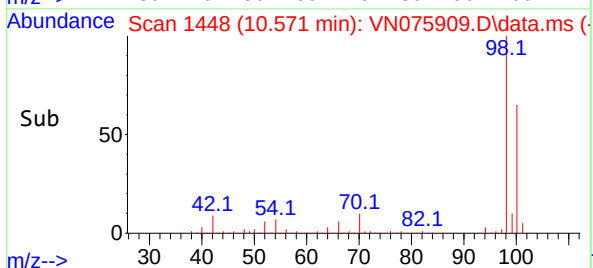
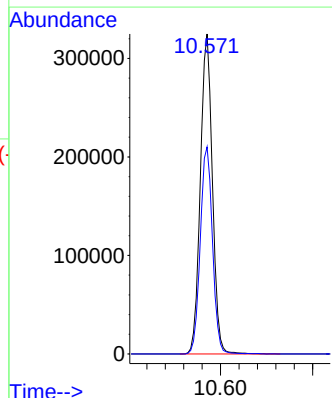
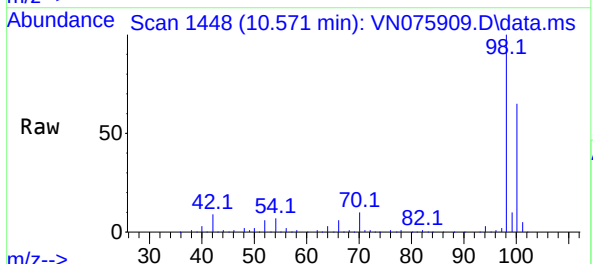
Instrument :
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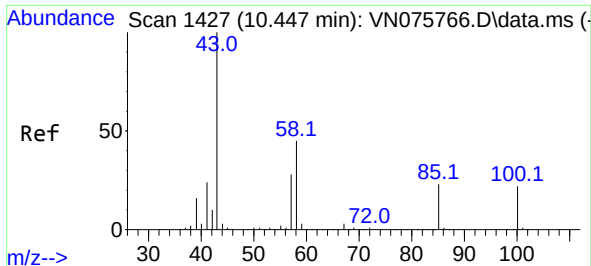
Tgt Ion: 43 Resp: 2692
Ion Ratio Lower Upper
43 100
61 0.0 24.2 36.4#
87 0.0 13.3 19.9#



#50
Toluene-d8
Concen: 48.754 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075909.D
Acq: 21 Dec 2022 10:56

Tgt Ion: 98 Resp: 590381
Ion Ratio Lower Upper
98 100
100 65.6 52.1 78.1

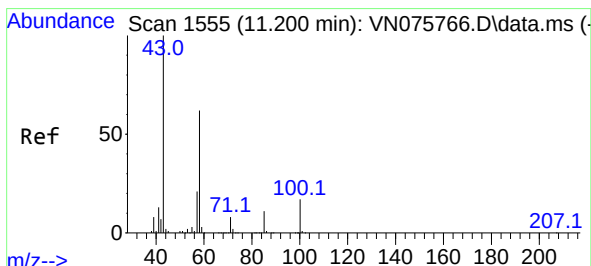
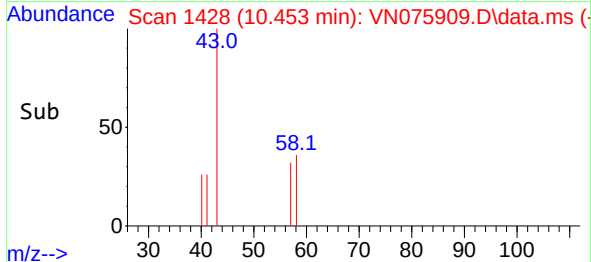
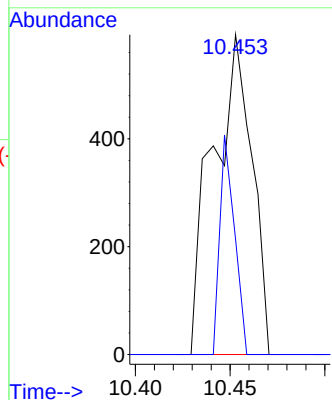
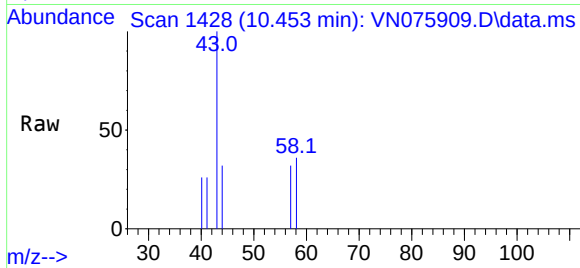




#51
4-Methyl-2-Pentanone
Concen: 0.247 ug/l
RT: 10.453 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VN075909.D
Acq: 21 Dec 2022 10:56

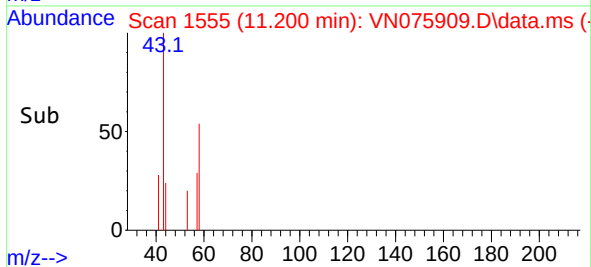
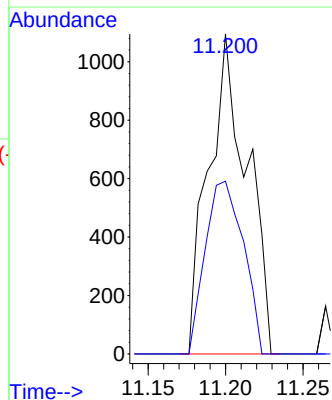
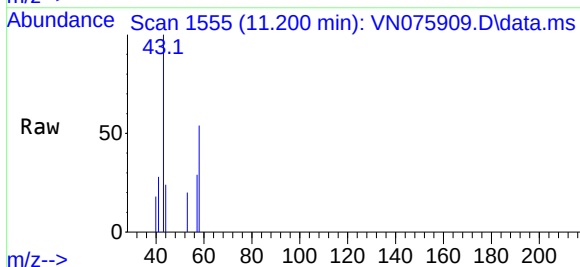
Instrument :
MSVOA_N
ClientSampleId :
VN1221MBL01

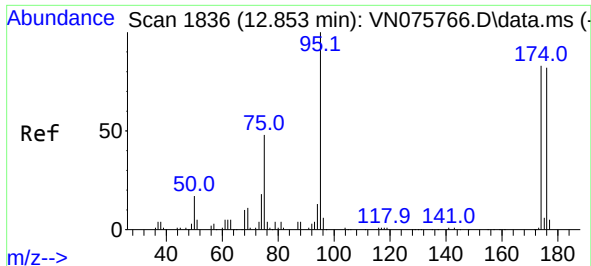
Tgt Ion: 43 Resp: 853
Ion Ratio Lower Upper
43 100
58 25.7 35.5 53.3#



#59
2-Hexanone
Concen: 0.754 ug/l
RT: 11.200 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VN075909.D
Acq: 21 Dec 2022 10:56

Tgt Ion: 43 Resp: 1895
Ion Ratio Lower Upper
43 100
58 53.3 30.6 92.0

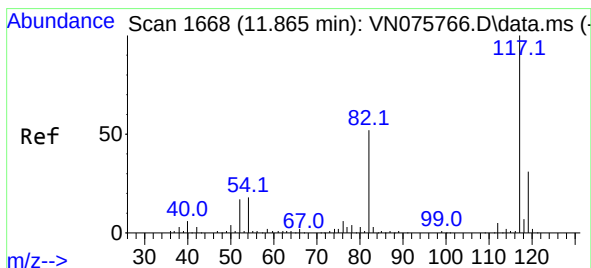
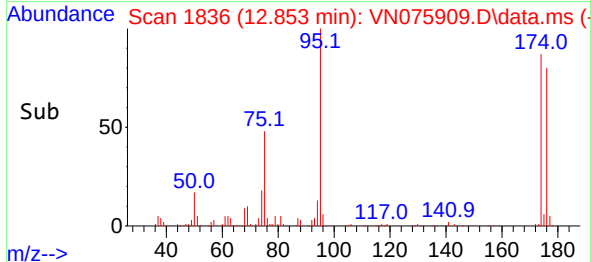
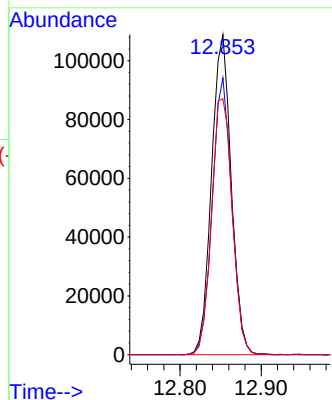
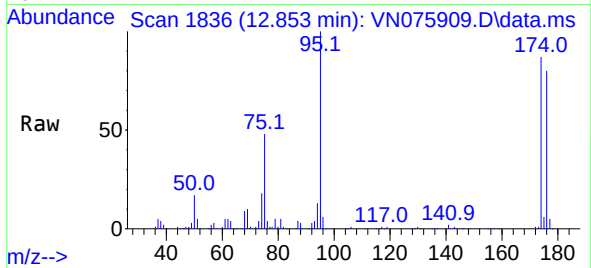




#62
4-Bromofluorobenzene
Concen: 45.749 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075909.D
Acq: 21 Dec 2022 10:56

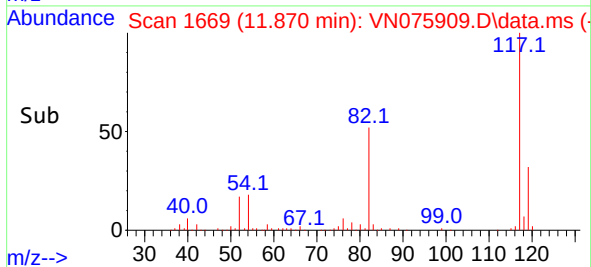
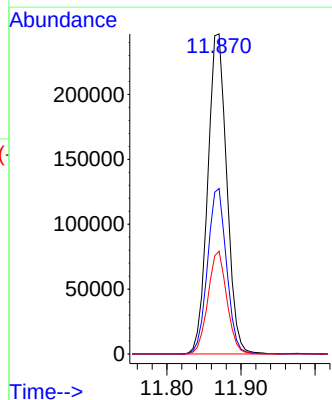
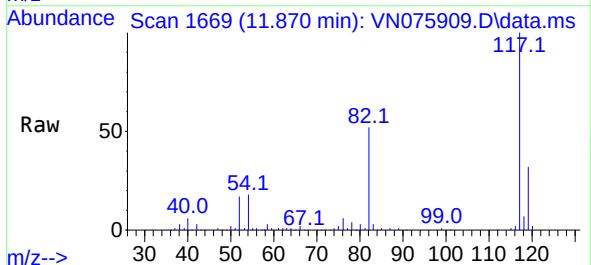
Instrument :
MSVOA_N
ClientSampleId :
VN1221MBL01

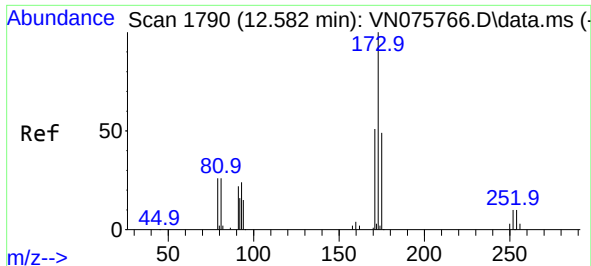
Tgt Ion: 95 Resp: 183489
Ion Ratio Lower Upper
95 100
174 85.9 0.0 171.6
176 84.1 0.0 169.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN075909.D
Acq: 21 Dec 2022 10:56

Tgt Ion: 117 Resp: 440533
Ion Ratio Lower Upper
117 100
82 51.7 41.3 61.9
119 32.1 24.6 37.0

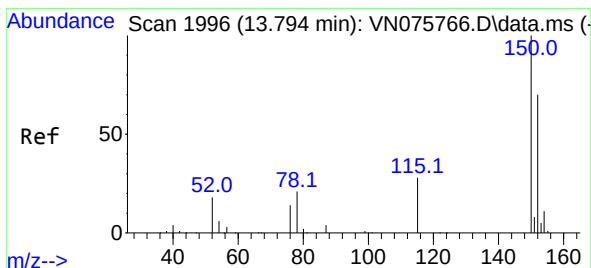
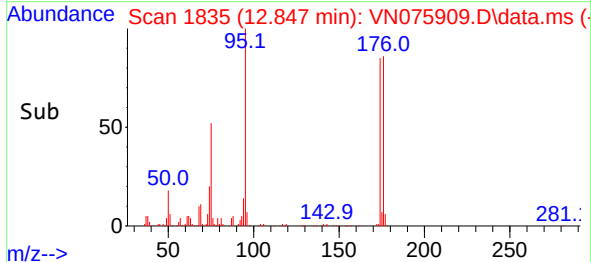
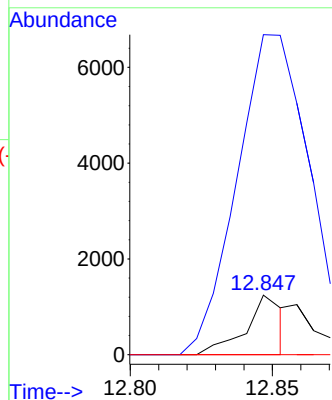
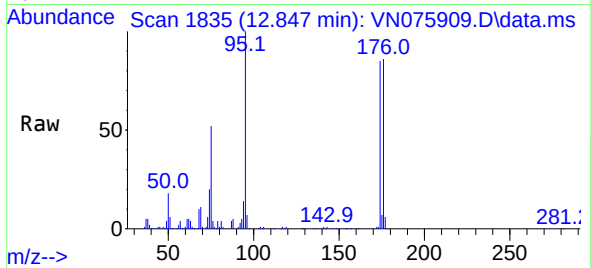




#71
Bromoform
Concen: 0.461 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN075909.D
Acq: 21 Dec 2022 10:56

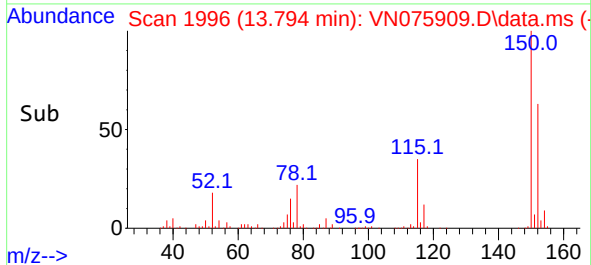
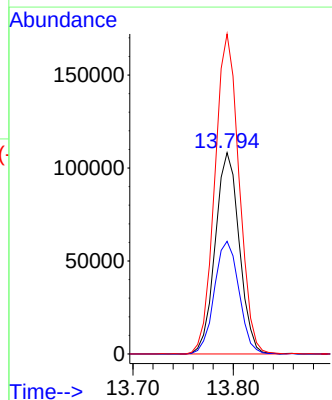
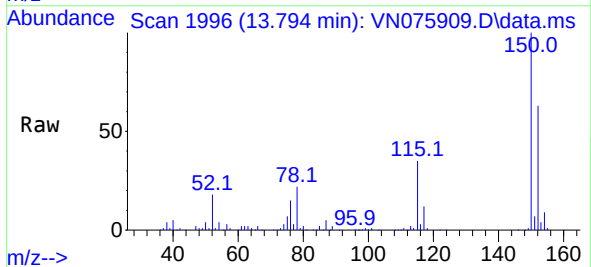
Instrument :
MSVOA_N
ClientSampleId :
VN1221MBL01

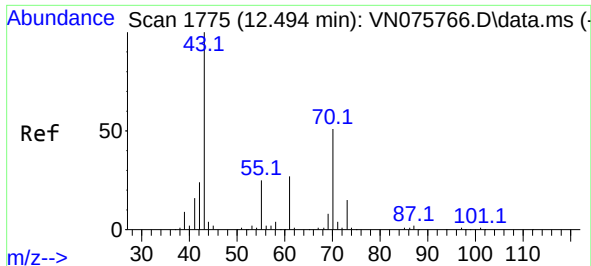
Tgt Ion:173 Resp: 1123
Ion Ratio Lower Upper
173 100
175 878.3 24.3 72.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075909.D
Acq: 21 Dec 2022 10:56

Tgt Ion:152 Resp: 180369
Ion Ratio Lower Upper
152 100
115 57.4 29.1 87.4
150 160.4 0.0 347.0

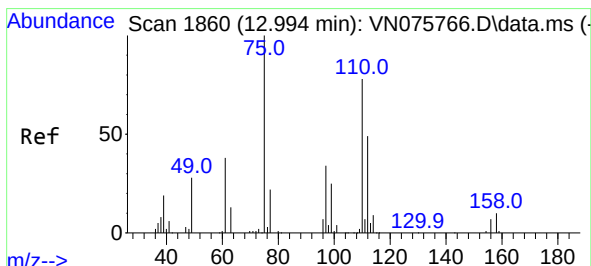
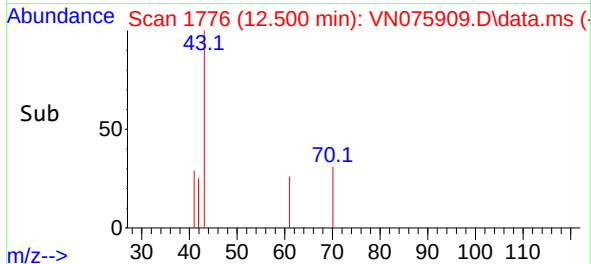
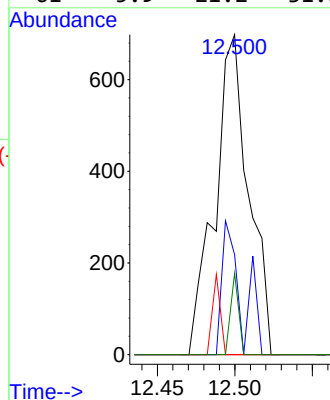
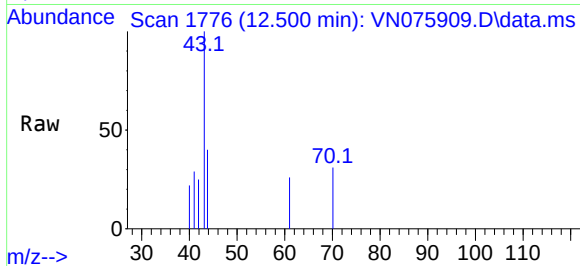




#74
N-amy1 acetate
Concen: 0.277 ug/l
RT: 12.500 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN075909.D
Acq: 21 Dec 2022 10:56

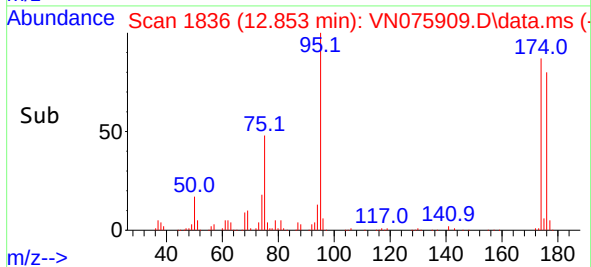
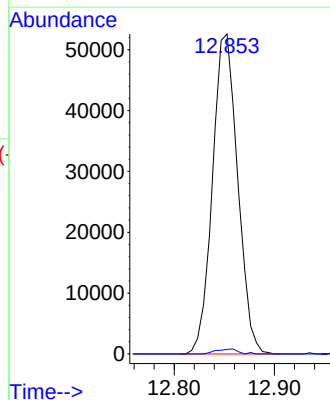
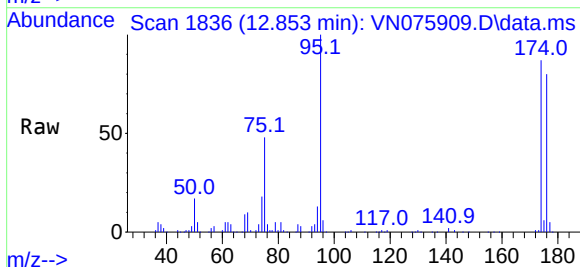
Instrument :
MSVOA_N
ClientSampleId :
VN1221MBL01

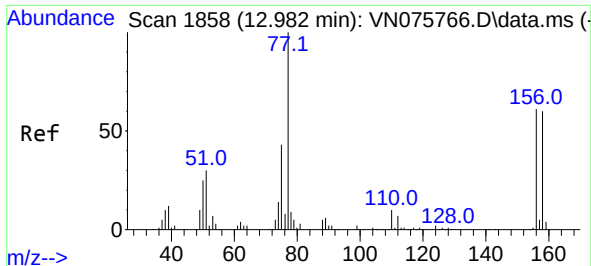
Tgt Ion: 43	Resp:	1060
Ion	Ratio	Lower Upper
43	100	
70	24.2	41.4 62.0#
55	5.8	21.3 31.9#
61	5.9	21.2 31.8#



#76
1,2,3-Trichloropropane
Concen: 25.262 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075909.D
Acq: 21 Dec 2022 10:56

Tgt Ion: 75	Resp:	91848
Ion	Ratio	Lower Upper
75	100	
77	1.4	82.6 247.8#

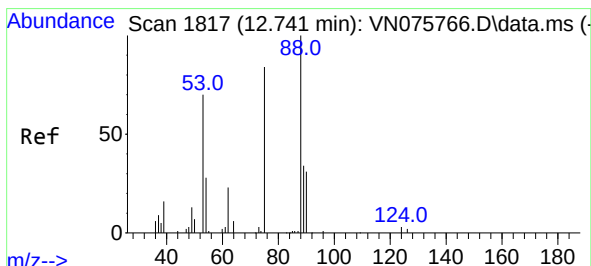
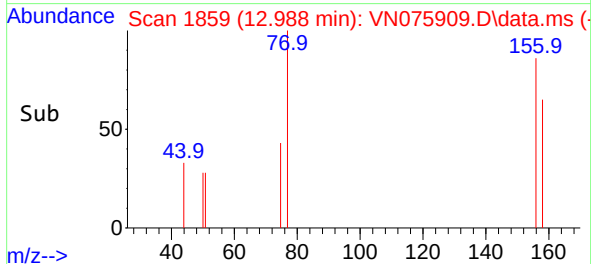
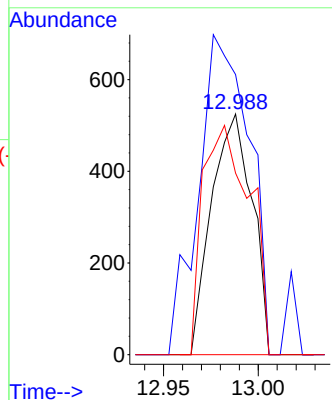
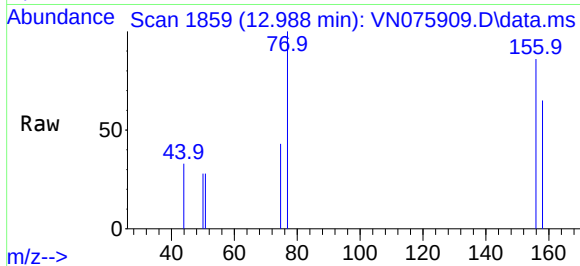




#77
Bromobenzene
Concen: 0.237 ug/l
RT: 12.988 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VN075909.D
Acq: 21 Dec 2022 10:56

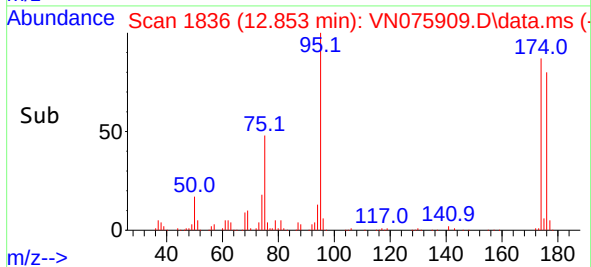
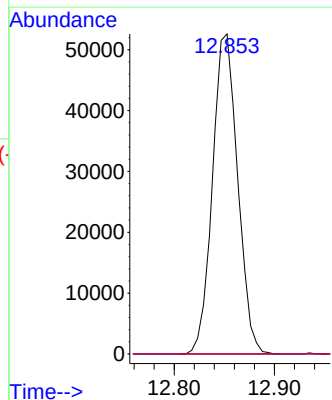
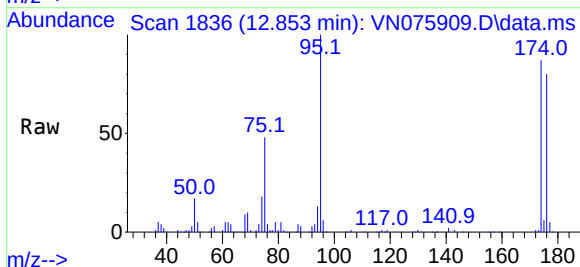
Instrument :
MSVOA_N
ClientSampleId :
VN1221MBL01

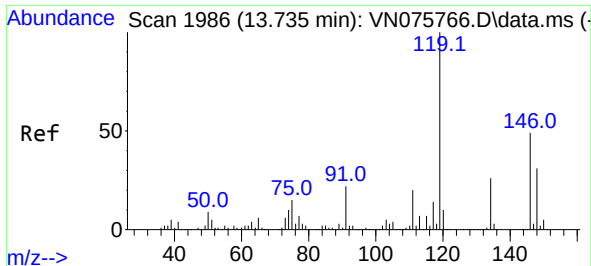
Tgt Ion:156 Resp: 782
Ion Ratio Lower Upper
156 100
77 166.8 93.8 281.3
158 110.6 48.9 146.6



#81
trans-1,4-Dichloro-2-butene
Concen: 90.931 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075909.D
Acq: 21 Dec 2022 10:56

Tgt Ion: 75 Resp: 91848
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: 0.331 ug/l

RT: 13.735 min Scan# 1986

Delta R.T. -0.000 min

Lab File: VN075909.D

Acq: 21 Dec 2022 10:56

Instrument :

MSVOA_N

ClientSampleId :

VN1221MBL01

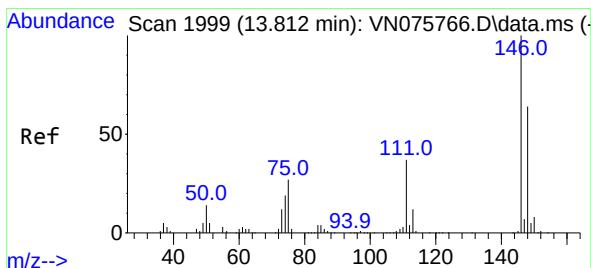
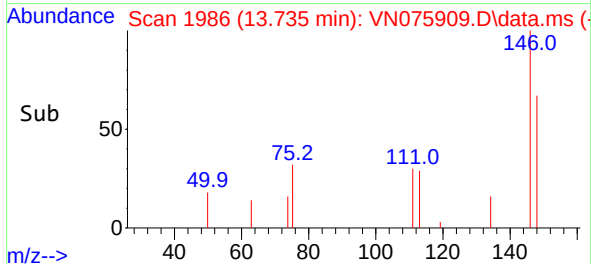
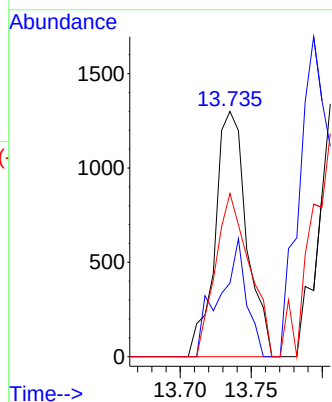
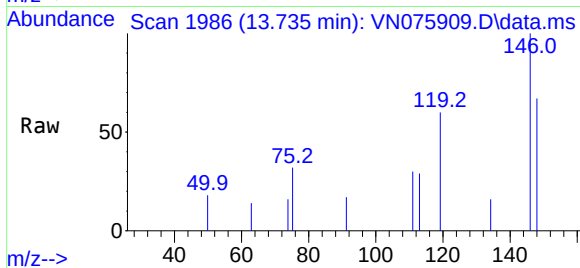
Tgt Ion:146 Resp: 2019

Ion Ratio Lower Upper

146 100

111 41.3 19.7 59.0

148 71.5 31.4 94.2



#88

1,4-Dichlorobenzene

Concen: 0.324 ug/l

RT: 13.735 min Scan# 1986

Delta R.T. -0.077 min

Lab File: VN075909.D

Acq: 21 Dec 2022 10:56

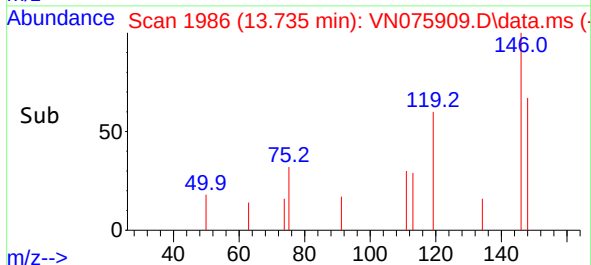
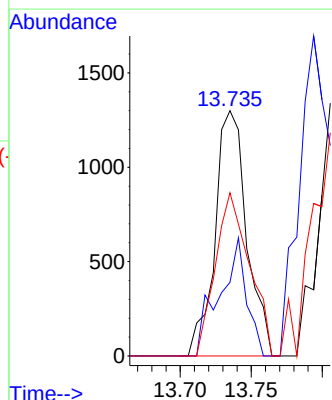
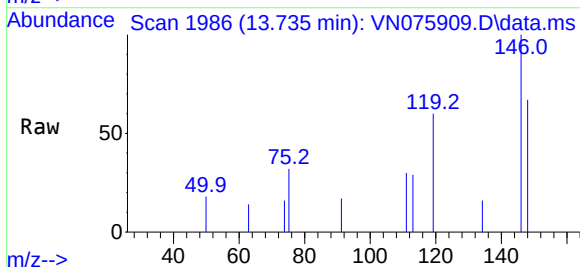
Tgt Ion:146 Resp: 2019

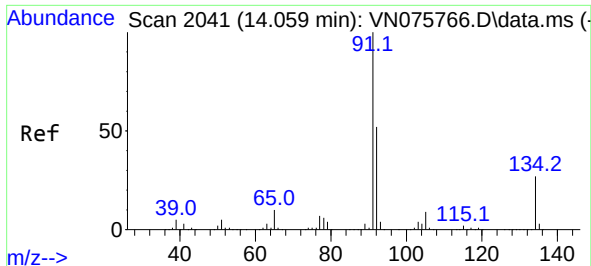
Ion Ratio Lower Upper

146 100

111 41.3 19.1 57.1

148 71.5 32.0 96.2

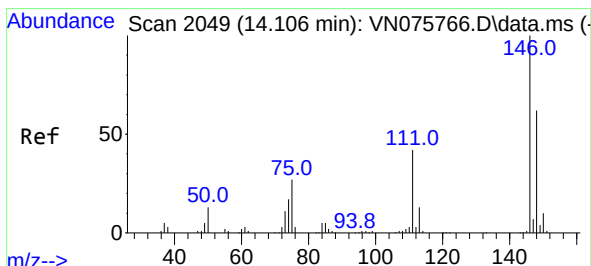
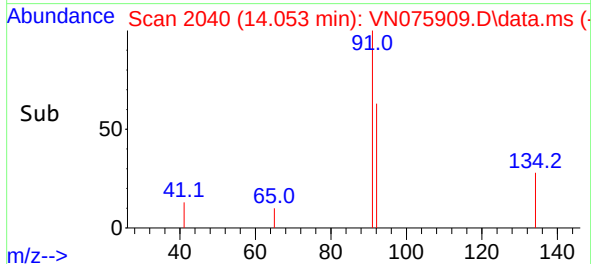
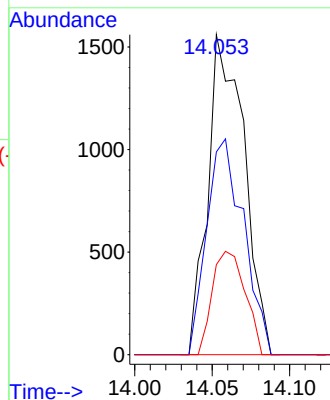
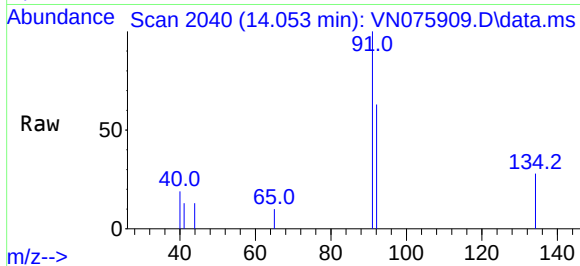




#89
n-Butylbenzene
Concen: 0.283 ug/l
RT: 14.053 min Scan# 2040
Delta R.T. -0.006 min
Lab File: VN075909.D
Acq: 21 Dec 2022 10:56

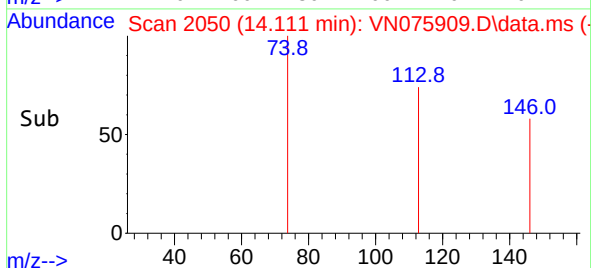
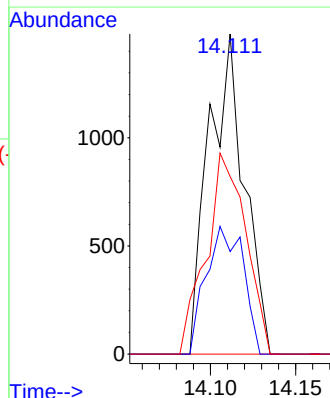
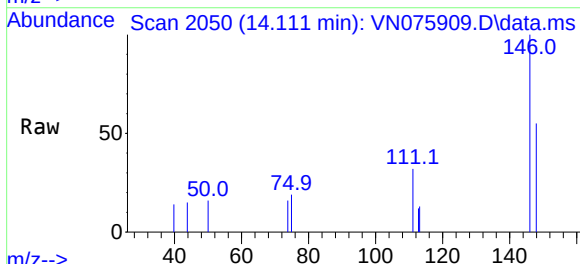
Instrument :
MSVOA_N
ClientSampleId :
VN1221MBL01

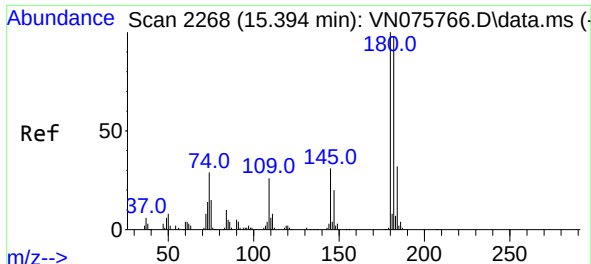
Tgt Ion: 91 Resp: 2537
Ion Ratio Lower Upper
91 100
92 68.6 26.4 79.2
134 29.3 13.4 40.2



#91
1,2-Dichlorobenzene
Concen: 0.359 ug/l
RT: 14.111 min Scan# 2050
Delta R.T. 0.006 min
Lab File: VN075909.D
Acq: 21 Dec 2022 10:56

Tgt Ion: 146 Resp: 2154
Ion Ratio Lower Upper
146 100
111 41.5 20.3 61.0
148 69.8 31.7 95.1

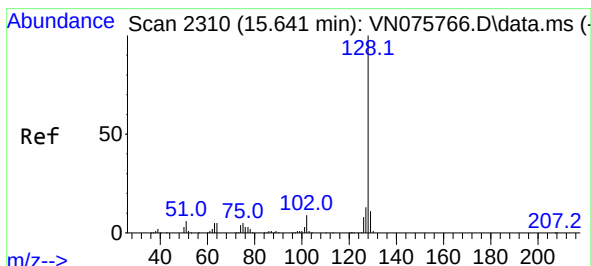
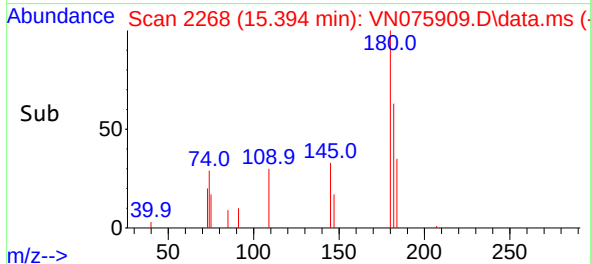
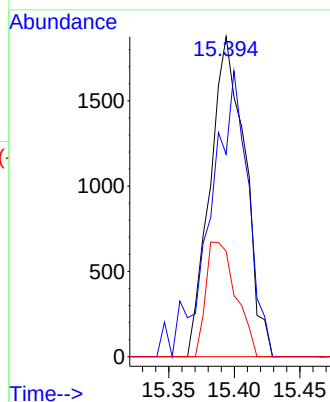
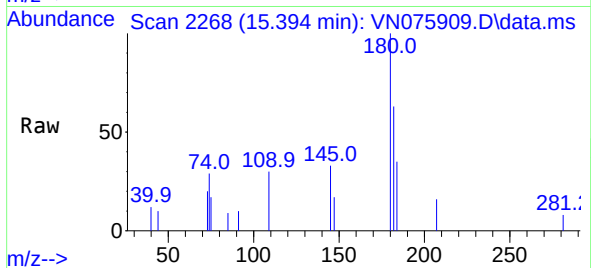




#93
1,2,4-Trichlorobenzene
Concen: 1.171 ug/l
RT: 15.394 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VN075909.D
Acq: 21 Dec 2022 10:56

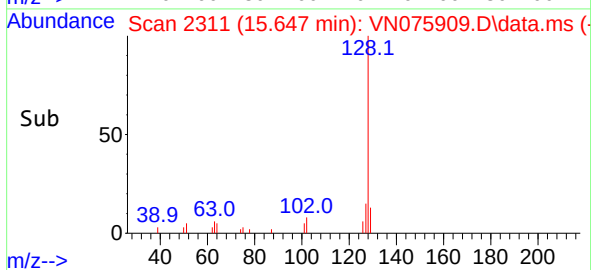
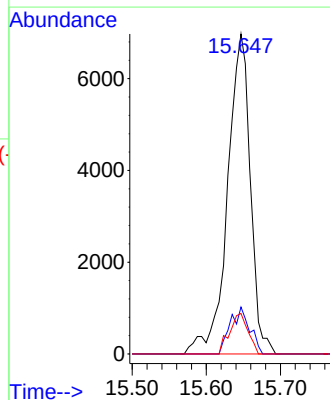
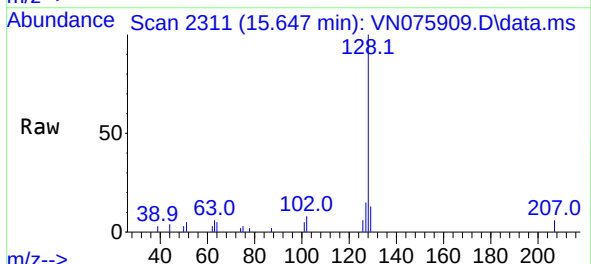
Instrument :
MSVOA_N
ClientSampleId :
VN1221MBL01

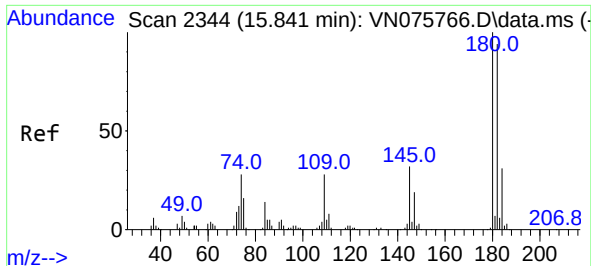
Tgt Ion:180	Resp:	3480	
Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.5	142.5
145	30.7	15.3	45.8



#95
Naphthalene
Concen: 3.633 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN075909.D
Acq: 21 Dec 2022 10:56

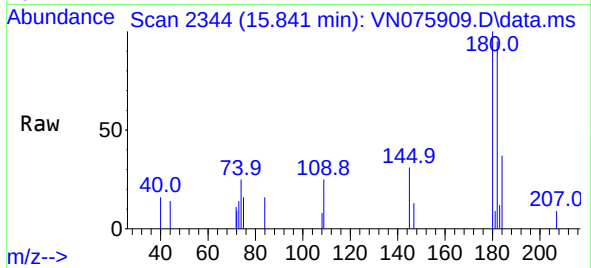
Tgt Ion:128	Resp:	14938	
Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.4	15.6
129	10.2	8.7	13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 1.575 ug/l
 RT: 15.841 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN075909.D
 Acq: 21 Dec 2022 10:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1221MBL01



Tgt Ion:180 Resp: 4374

Ion	Ratio	Lower	Upper
180	100		
182	89.6	47.0	141.0
145	28.5	16.0	47.9

