

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122222\
 Data File : VN075936.D
 Acq On : 22 Dec 2022 11:29
 Operator : JC\MD
 Sample : VN1222MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1222MBL01

Quant Time: Dec 23 03:58:21 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)

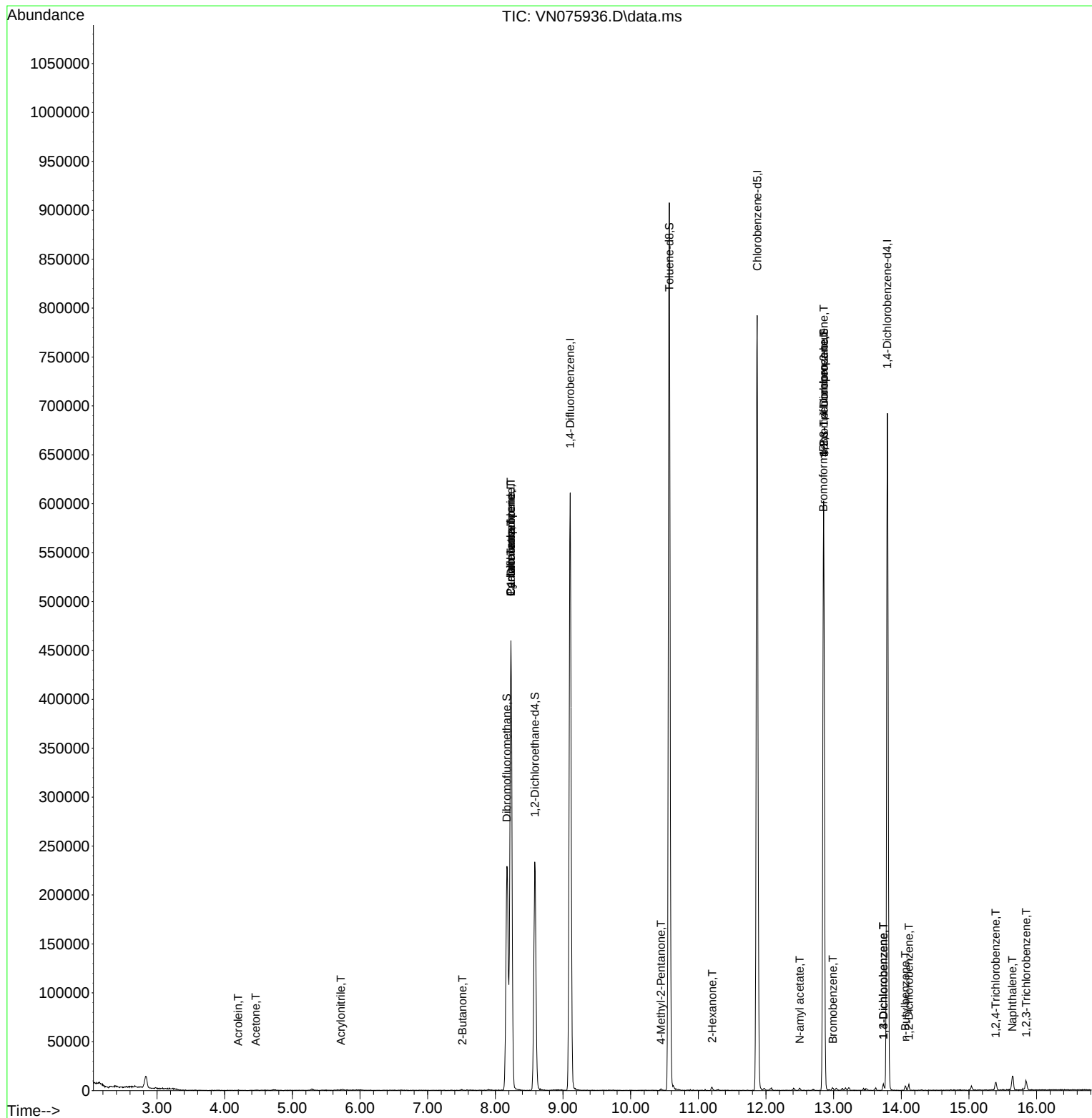
Internal Standards						
1) Pentafluorobenzene	8.230	168	353928	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	558286	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	487321	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	196579	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	183044	47.539	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.080%		
35) Dibromofluoromethane	8.171	113	165953	48.000	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.000%		
50) Toluene-d8	10.571	98	641207	49.603	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.200%		
62) 4-Bromofluorobenzene	12.853	95	203747	47.588	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.180%		
Target Compounds						Qvalue
13) Acrolein	4.200	56	340	0.509	ug/l	97
15) Acrylonitrile	5.718	53	442	0.297	ug/l #	18
16) Acetone	4.459	43	587	0.442	ug/l #	39
20) Methylene Chloride	5.295	84	889	Below Cal	#	55
25) 2-Butanone	7.512	43	812	0.437	ug/l #	40
31) Cyclohexane	8.230	56	6957	1.262	ug/l #	16
36) 1,1-Dichloropropene	8.230	75	25055	5.455	ug/l #	48
38) Carbon Tetrachloride	8.230	117	34564	6.724	ug/l #	17
51) 4-Methyl-2-Pentanone	10.447	43	1142	0.310	ug/l #	69
59) 2-Hexanone	11.206	43	2234	0.832	ug/l	86
71) Bromoform	12.847	173	1849	0.686	ug/l #	1
74) N-amyl acetate	12.500	43	1086	0.261	ug/l #	91
76) 1,2,3-Trichloropropane	12.853	75	101537	25.624	ug/l #	1
77) Bromobenzene	12.988	156	790	0.220	ug/l	88
81) trans-1,4-Dichloro-2-b...	12.853	75	101537	92.234	ug/l #	12
87) 1,3-Dichlorobenzene	13.735	146	2590	0.390	ug/l	93
88) 1,4-Dichlorobenzene	13.735	146	2590	0.382	ug/l	93
89) n-Butylbenzene	14.059	91	3274	0.336	ug/l	95
91) 1,2-Dichlorobenzene	14.112	146	2363	0.361	ug/l	94
93) 1,2,4-Trichlorobenzene	15.394	180	3505	1.082	ug/l	88
95) Naphthalene	15.641	128	16600	3.662	ug/l	97
96) 1,2,3-Trichlorobenzene	15.847	180	4076	1.347	ug/l	92

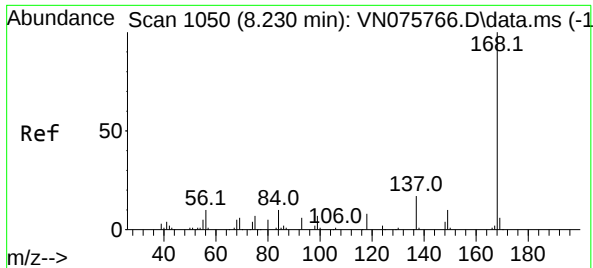
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Title : SW846 8260
QLast Update : Wed Dec 14 13:03:41 2022
Response via : Initial Calibration

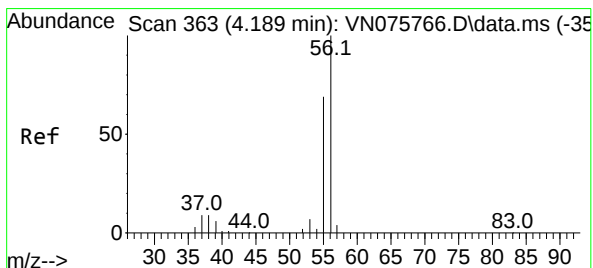
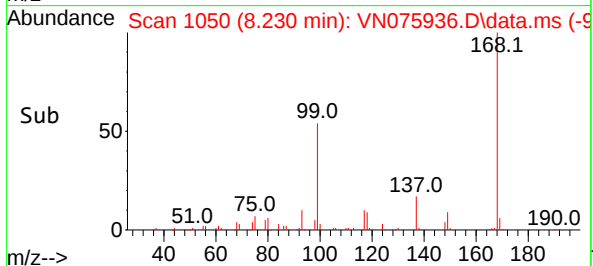
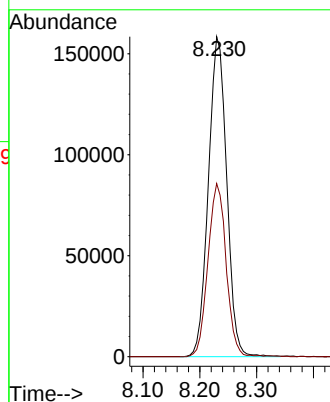
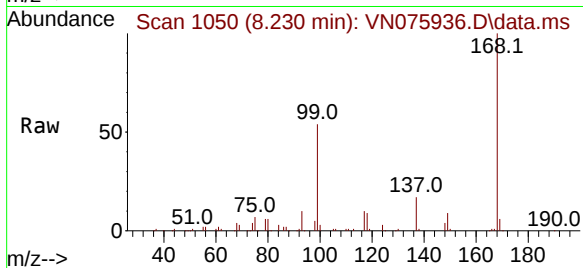




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075936.D
Acq: 22 Dec 2022 11:29

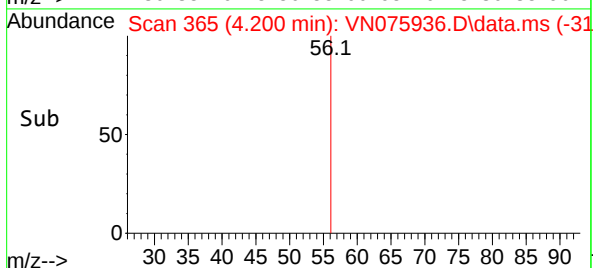
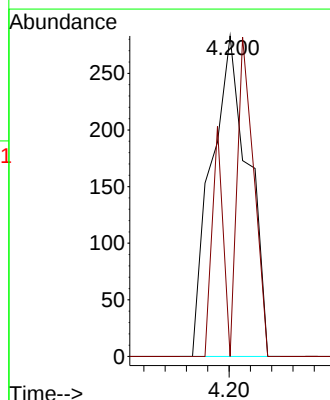
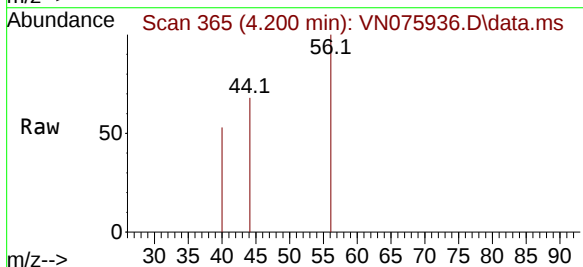
Instrument :
MSVOA_N
ClientSampleId :
VN1222MBL01

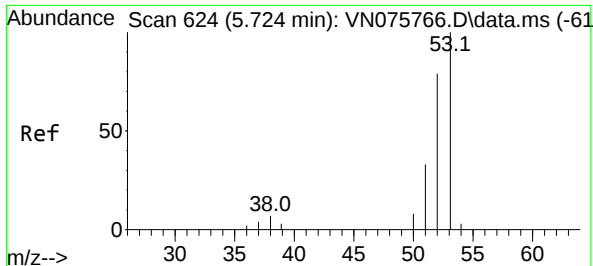
Tgt Ion:168 Resp: 353928
Ion Ratio Lower Upper
168 100
99 54.1 44.2 66.4



#13
Acrolein
Concen: 0.509 ug/l
RT: 4.200 min Scan# 365
Delta R.T. 0.012 min
Lab File: VN075936.D
Acq: 22 Dec 2022 11:29

Tgt Ion: 56 Resp: 340
Ion Ratio Lower Upper
56 100
55 65.9 54.8 82.2

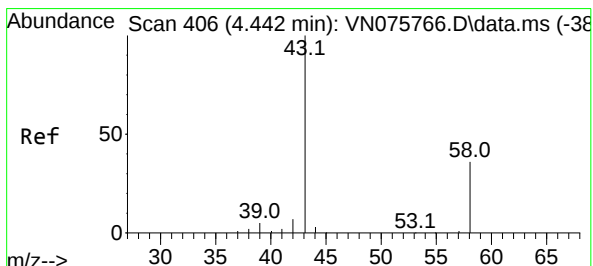
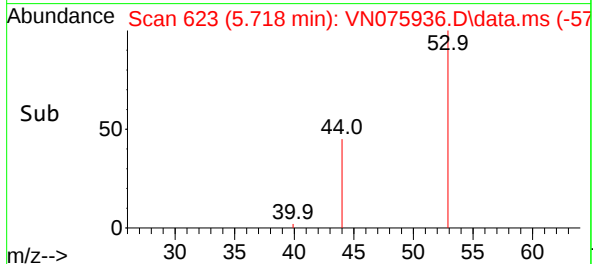
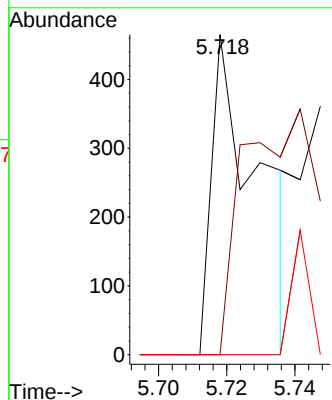
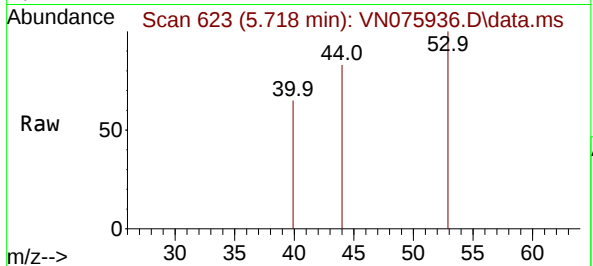




#15
Acrylonitrile
Concen: 0.297 ug/l
RT: 5.718 min Scan# 611
Delta R.T. -0.006 min
Lab File: VN075936.D
Acq: 22 Dec 2022 11:29

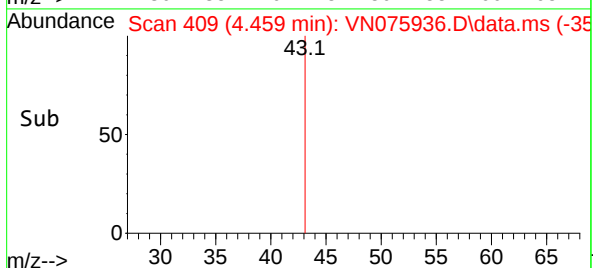
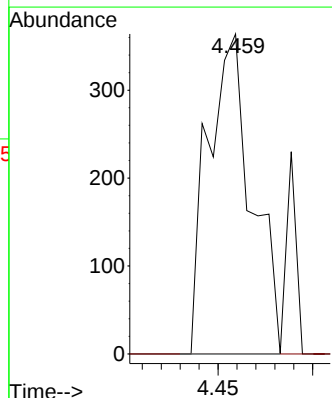
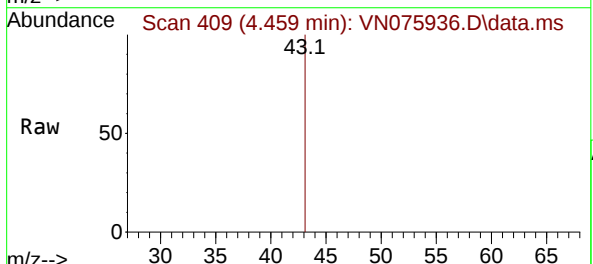
Instrument :
MSVOA_N
ClientSampleId :
VN1222MBL01

Tgt Ion: 53 Resp: 442
Ion Ratio Lower Upper
53 100
52 0.0 65.4 98.0#
51 0.0 28.9 43.3#



#16
Acetone
Concen: 0.442 ug/l
RT: 4.459 min Scan# 409
Delta R.T. 0.018 min
Lab File: VN075936.D
Acq: 22 Dec 2022 11:29

Tgt Ion: 43 Resp: 587
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#

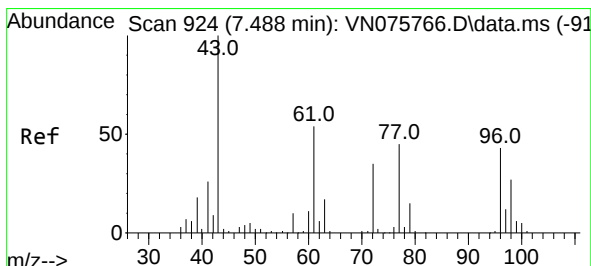
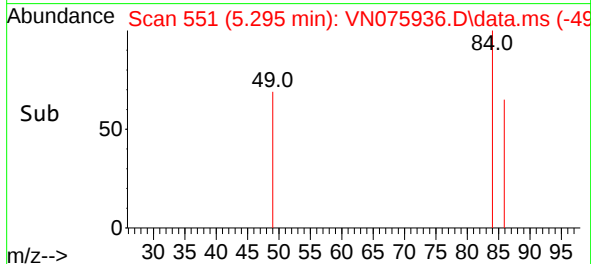
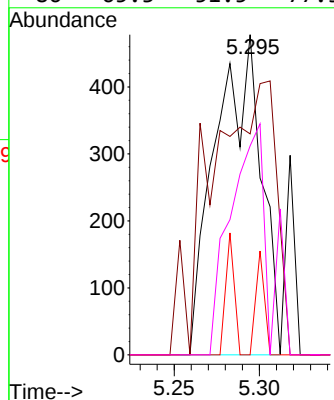
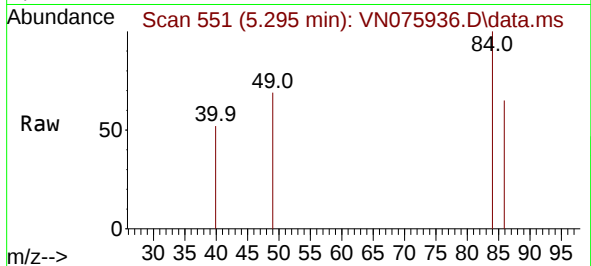




#20
Methylene Chloride
Concen: Below Cal
RT: 5.295 min Scan# 511
Delta R.T. 0.006 min
Lab File: VN075936.D
Acq: 22 Dec 2022 11:29

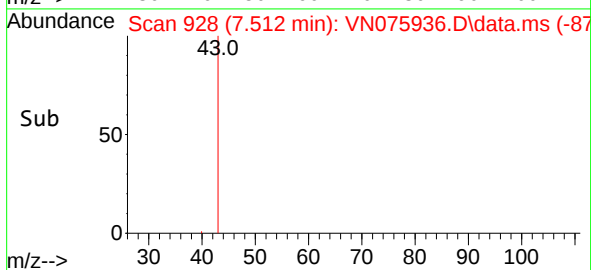
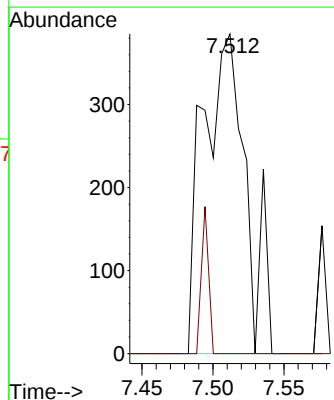
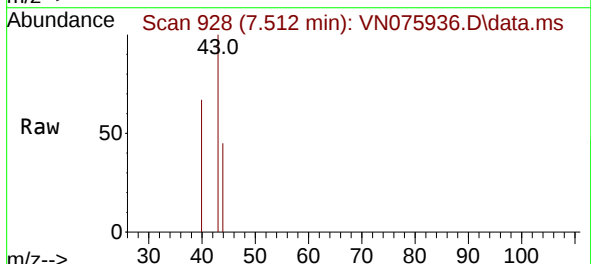
Instrument :
MSVOA_N
ClientSampleId :
VN1222MBL01

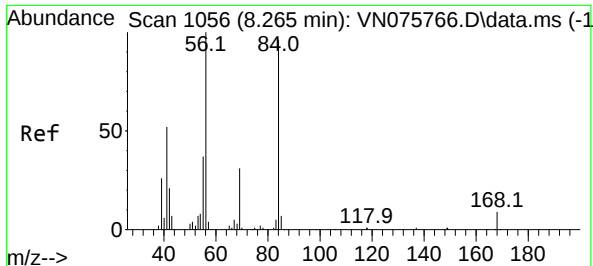
Tgt Ion: 84 Resp: 889
Ion Ratio Lower Upper
84 100
49 33.3 81.8 122.6#
51 0.0 26.7 40.1#
86 65.3 51.5 77.3



#25
2-Butanone
Concen: 0.437 ug/l
RT: 7.512 min Scan# 928
Delta R.T. 0.024 min
Lab File: VN075936.D
Acq: 22 Dec 2022 11:29

Tgt Ion: 43 Resp: 812
Ion Ratio Lower Upper
43 100
72 0.0 28.0 42.0#

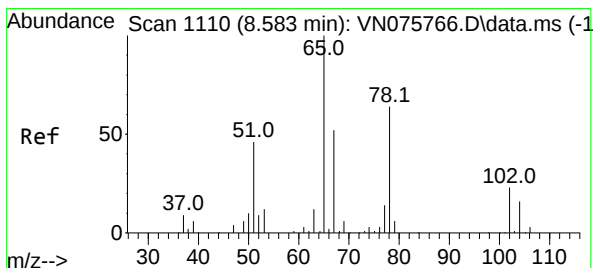
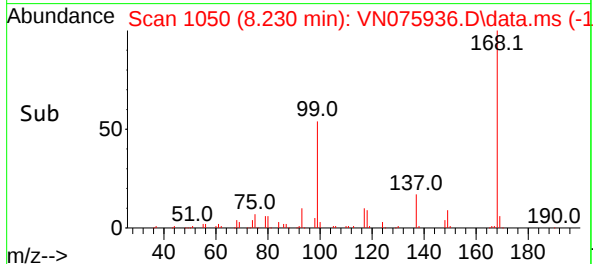
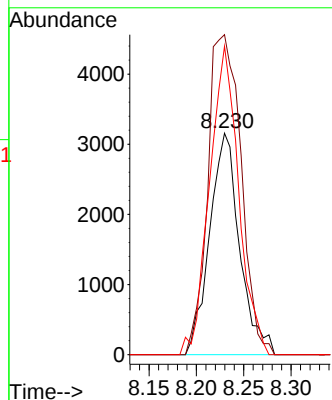
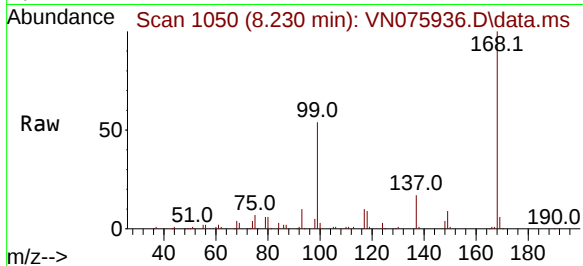




#31
Cyclohexane
Concen: 1.262 ug/l
RT: 8.230 min Scan# 1056
Delta R.T. -0.035 min
Lab File: VN075936.D
Acq: 22 Dec 2022 11:29

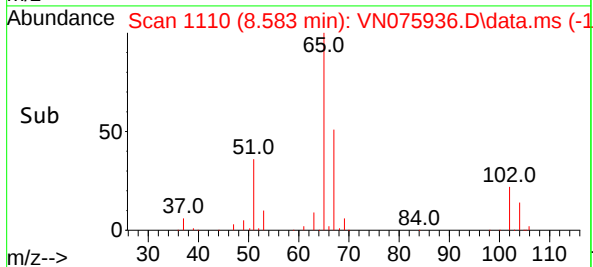
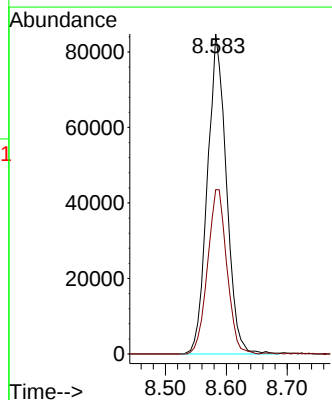
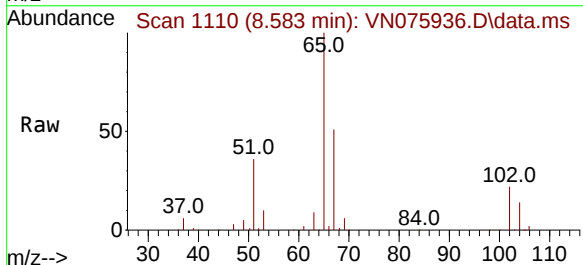
Instrument :
MSVOA_N
ClientSampleId :
VN1222MBL01

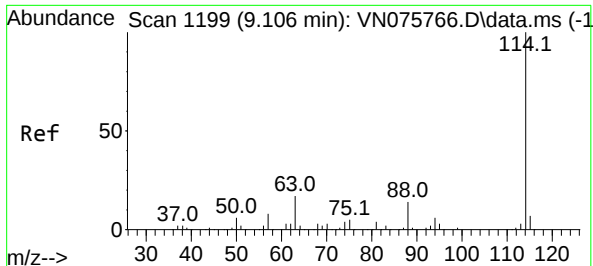
Tgt Ion: 56 Resp: 6957
Ion Ratio Lower Upper
56 100
69 144.5 24.7 37.1#
84 139.3 76.5 114.7#



#33
1,2-Dichloroethane-d4
Concen: 47.539 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN075936.D
Acq: 22 Dec 2022 11:29

Tgt Ion: 65 Resp: 183044
Ion Ratio Lower Upper
65 100
67 52.4 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: VN075936.D

Acq: 22 Dec 2022 11:29

Instrument :

MSVOA_N

ClientSampleId :

VN1222MBL01

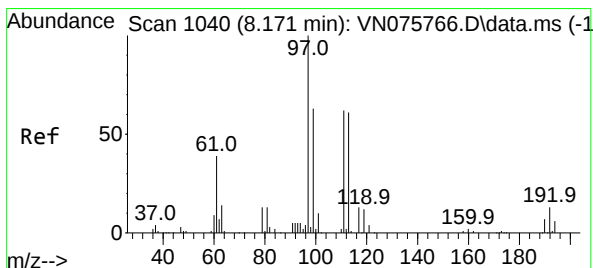
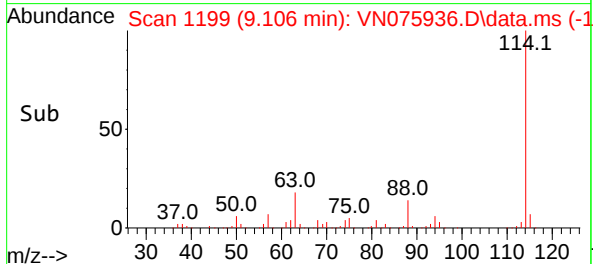
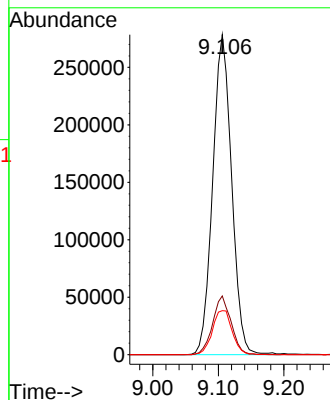
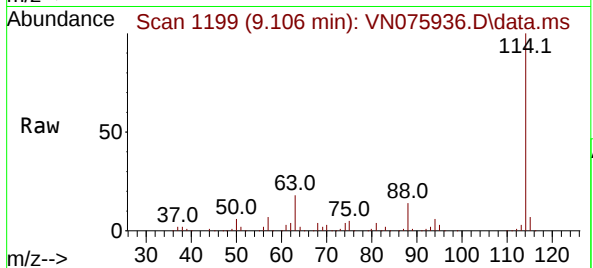
Tgt Ion:114 Resp: 558286

Ion Ratio Lower Upper

114 100

63 18.4 0.0 34.4

88 13.7 0.0 28.8



#35

Dibromofluoromethane

Concen: 48.000 ug/l

RT: 8.171 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VN075936.D

Acq: 22 Dec 2022 11:29

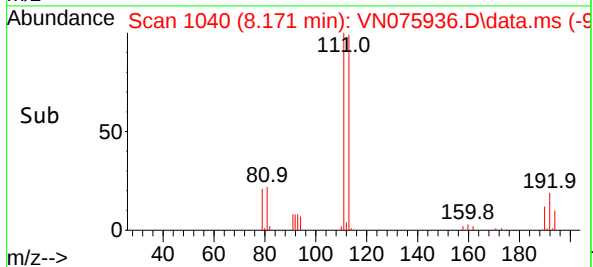
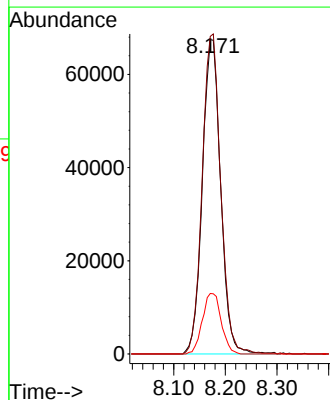
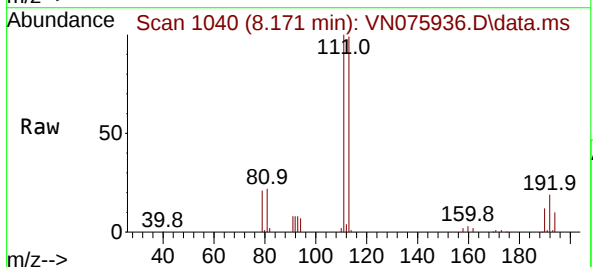
Tgt Ion:113 Resp: 165953

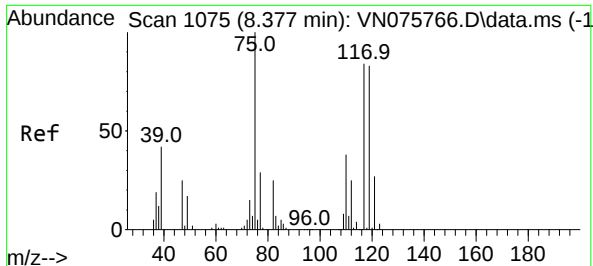
Ion Ratio Lower Upper

113 100

111 102.7 83.4 125.2

192 19.8 16.1 24.1





#36

1,1-Dichloropropene

Concen: 5.455 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN075936.D

Acq: 22 Dec 2022 11:29

Instrument :

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ClientSampleId :

VN1222MBL01

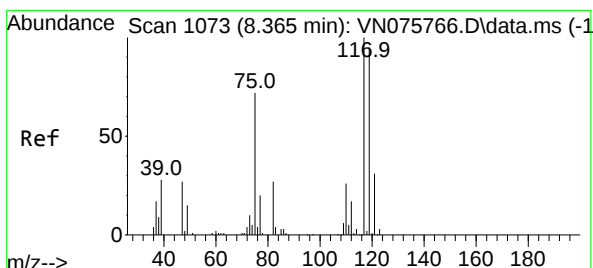
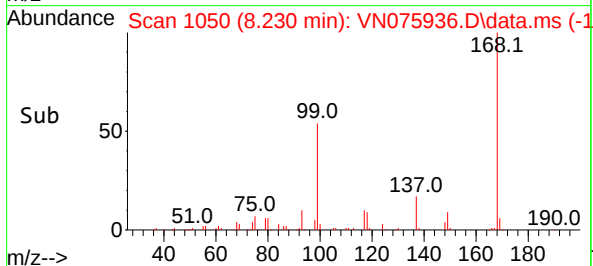
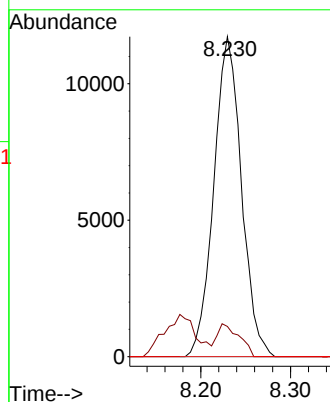
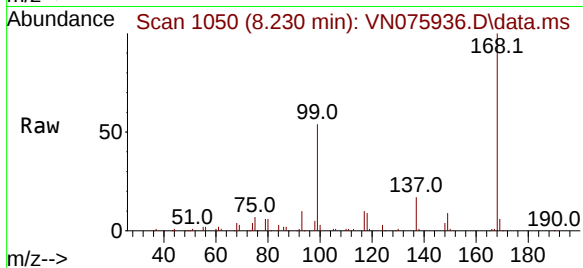
Tgt Ion: 75 Resp: 25055

Ion Ratio Lower Upper

75 100

110 8.1 18.8 56.4#

77 0.0 24.1 36.1#



#38

Carbon Tetrachloride

Concen: 6.724 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.135 min

Lab File: VN075936.D

Acq: 22 Dec 2022 11:29

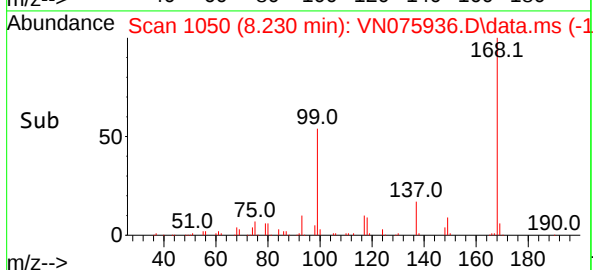
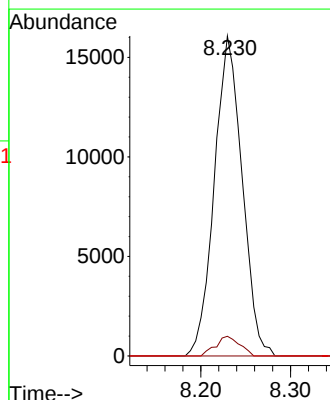
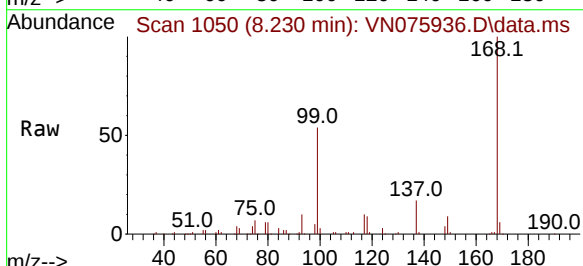
Tgt Ion: 117 Resp: 34564

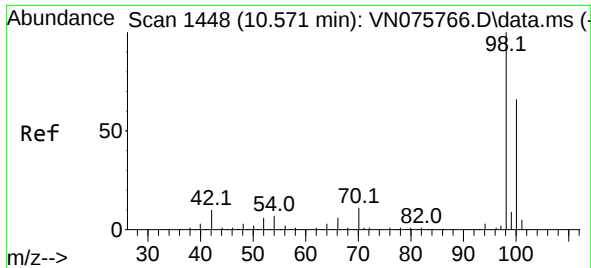
Ion Ratio Lower Upper

117 100

119 6.2 76.1 114.1#

121 0.0 24.5 36.7#

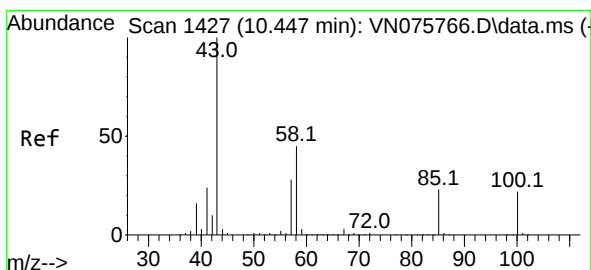
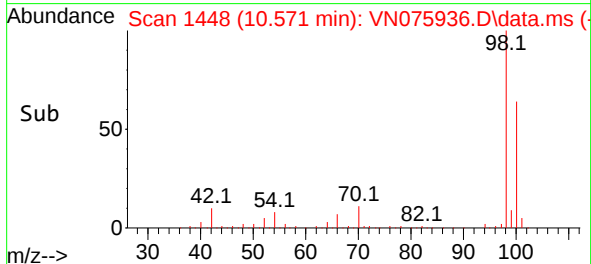
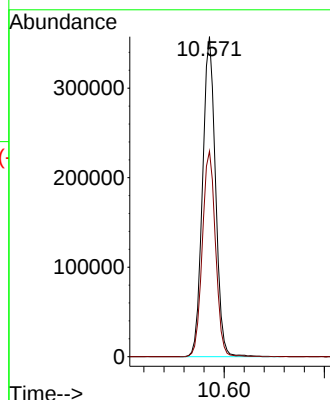
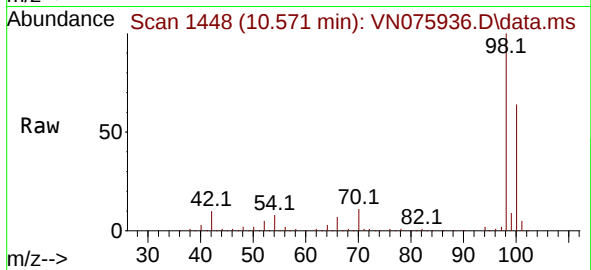




#50
Toluene-d8
Concen: 49.603 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN075936.D
Acq: 22 Dec 2022 11:29

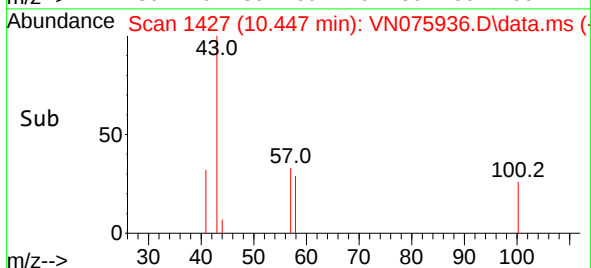
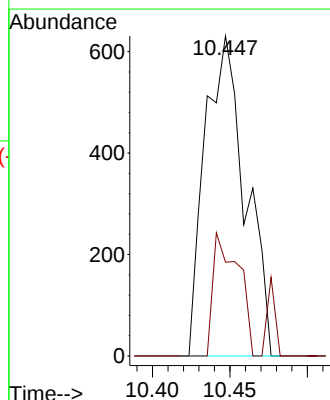
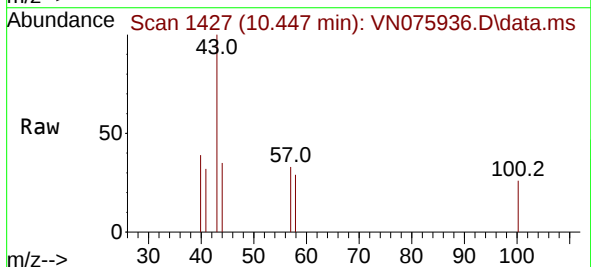
Instrument :
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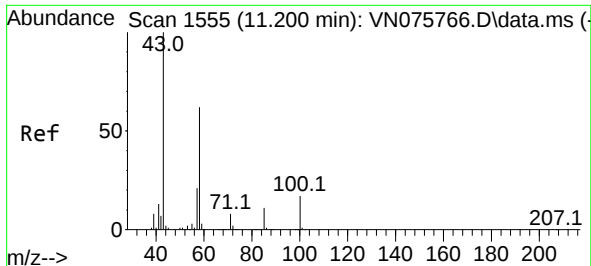
Tgt Ion: 98 Resp: 641207
Ion Ratio Lower Upper
98 100
100 65.3 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 0.310 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN075936.D
Acq: 22 Dec 2022 11:29

Tgt Ion: 43 Resp: 1142
Ion Ratio Lower Upper
43 100
58 24.2 35.5 53.3#

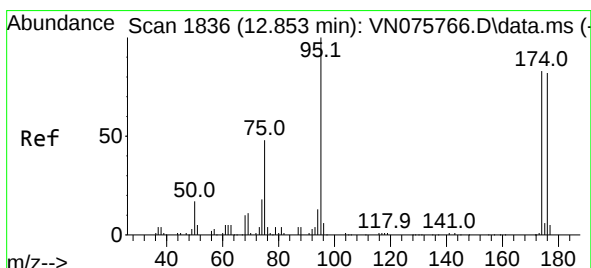
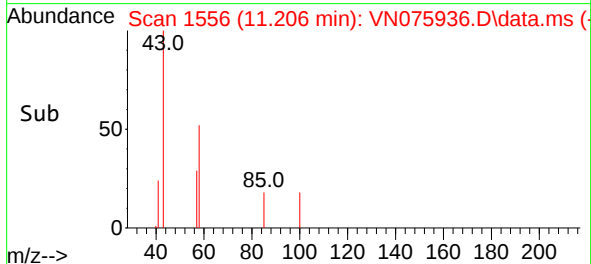
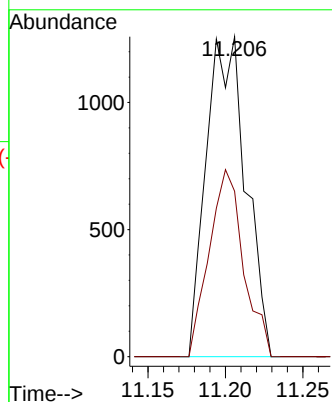
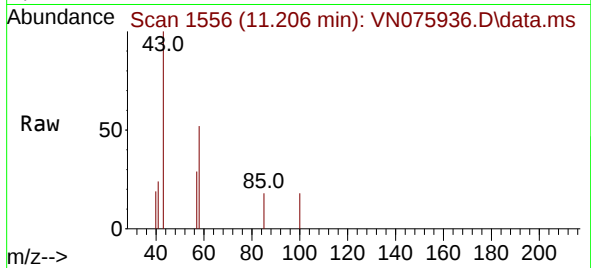




#59
2-Hexanone
Concen: 0.832 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN075936.D
Acq: 22 Dec 2022 11:29

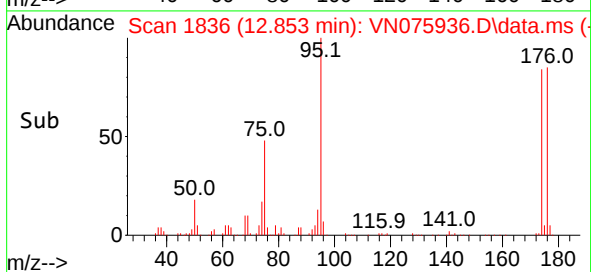
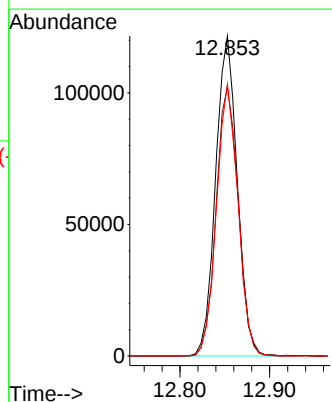
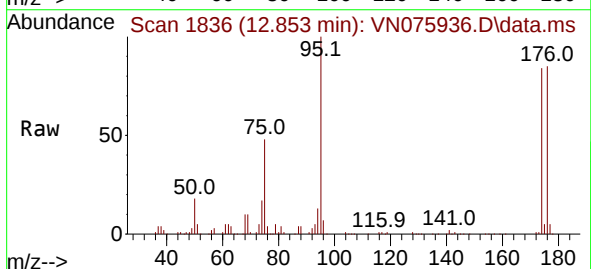
Instrument :
MSVOA_N
ClientSampleId :
VN1222MBL01

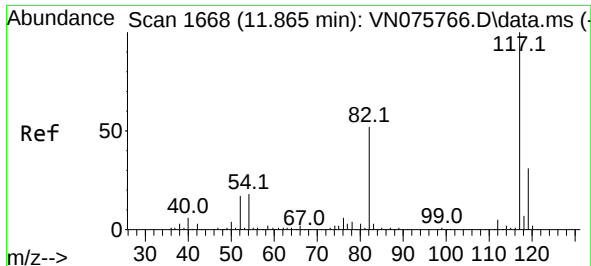
Tgt Ion: 43 Resp: 2234
Ion Ratio Lower Upper
43 100
58 50.6 30.6 92.0



#62
4-Bromofluorobenzene
Concen: 47.588 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN075936.D
Acq: 22 Dec 2022 11:29

Tgt Ion: 95 Resp: 203747
Ion Ratio Lower Upper
95 100
174 85.9 0.0 171.6
176 84.0 0.0 169.2

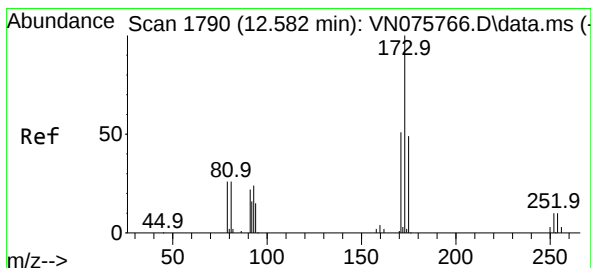
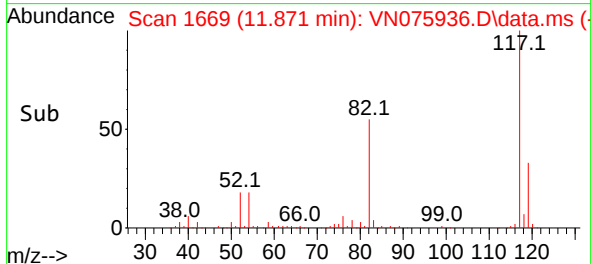
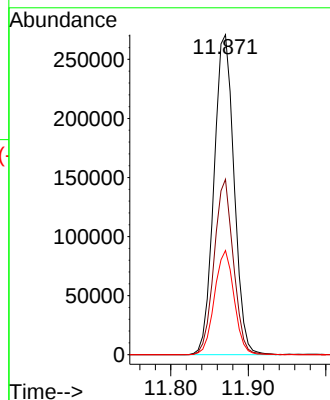
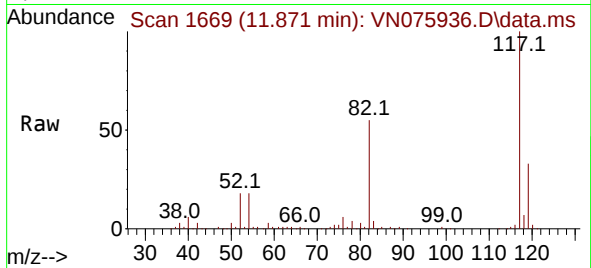




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN075936.D
Acq: 22 Dec 2022 11:29

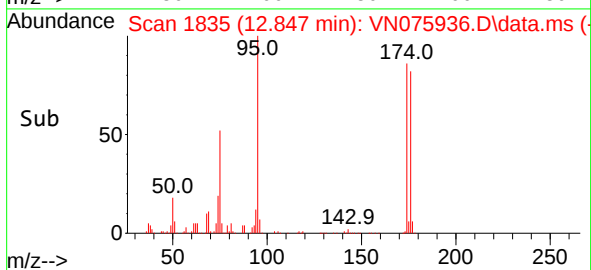
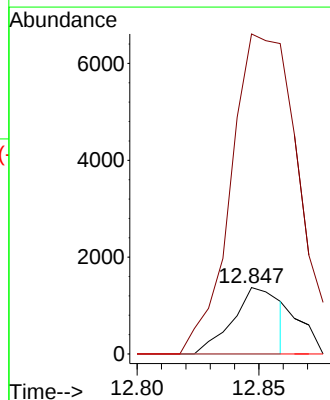
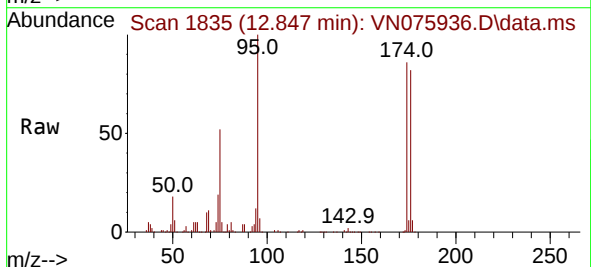
Instrument :
MSVOA_N
ClientSampleId :
VN1222MBL01

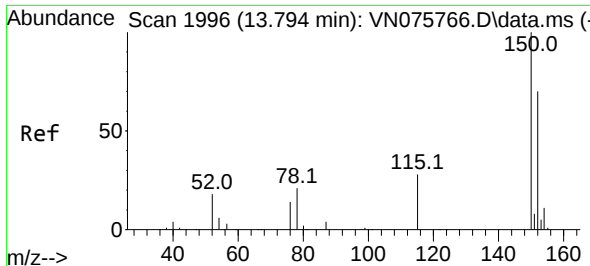
Tgt Ion:117 Resp: 487321
Ion Ratio Lower Upper
117 100
82 54.8 41.3 61.9
119 32.5 24.6 37.0



#71
Bromoform
Concen: 0.686 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.265 min
Lab File: VN075936.D
Acq: 22 Dec 2022 11:29

Tgt Ion:173 Resp: 1849
Ion Ratio Lower Upper
173 100
175 530.8 24.3 72.8#
254 0.0 0.0 0.0

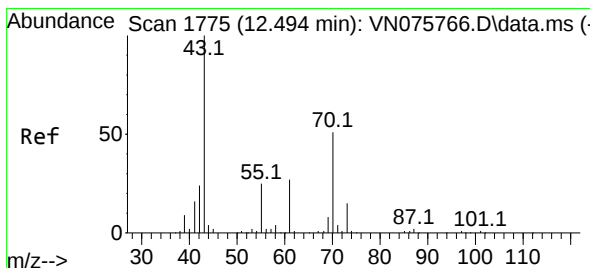
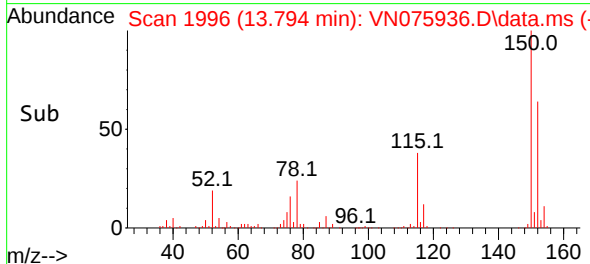
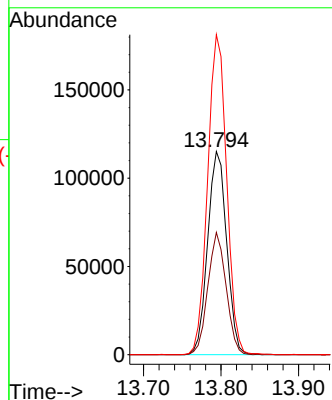
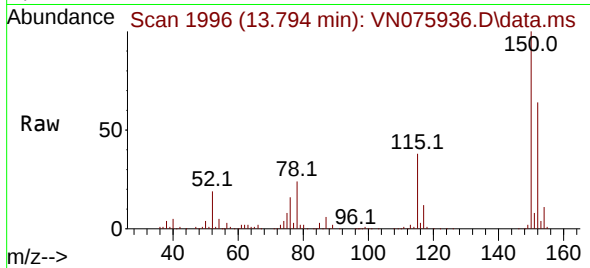




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075936.D
Acq: 22 Dec 2022 11:29

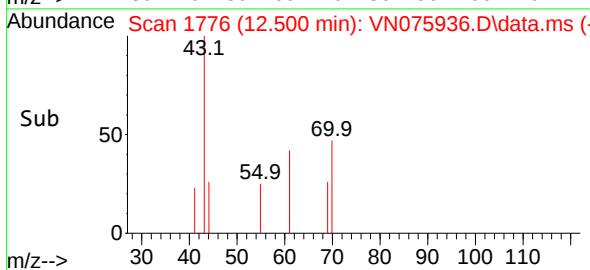
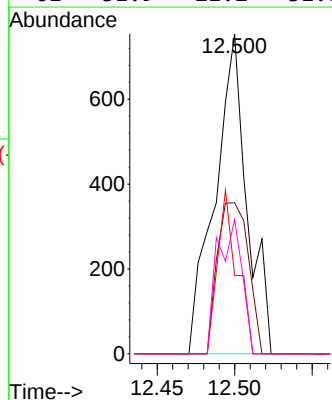
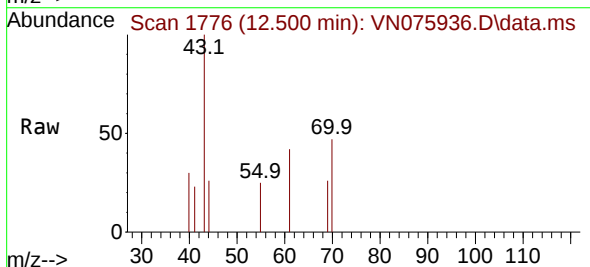
Instrument :
MSVOA_N
ClientSampleId :
VN1222MBL01

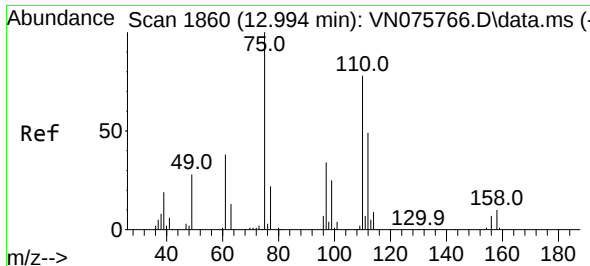
Tgt Ion:152 Resp: 196579
Ion Ratio Lower Upper
152 100
115 57.6 29.1 87.4
150 157.0 0.0 347.0



#74
N-ethyl acetate
Concen: 0.261 ug/l
RT: 12.500 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN075936.D
Acq: 22 Dec 2022 11:29

Tgt Ion: 43 Resp: 1086
Ion Ratio Lower Upper
43 100
70 45.5 41.4 62.0
55 30.8 21.3 31.9
61 31.9 21.2 31.8#

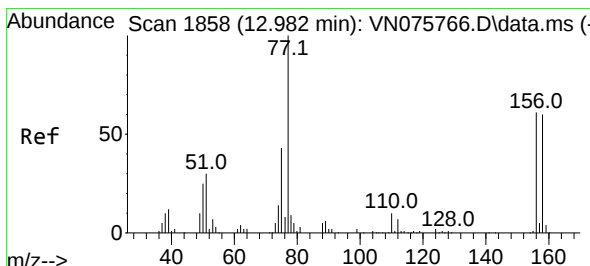
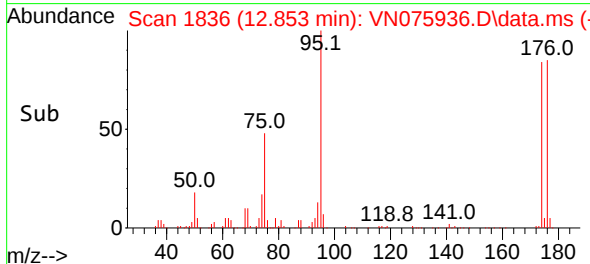
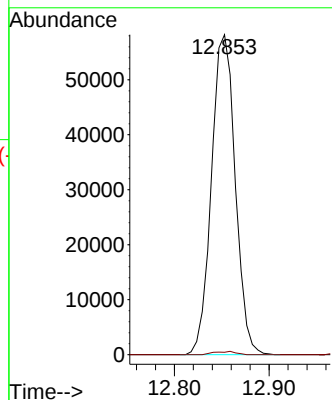
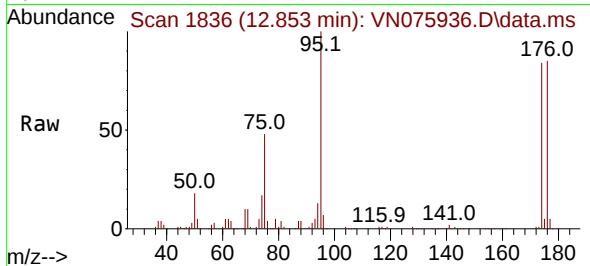




#76
1,2,3-Trichloropropane
Concen: 25.624 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075936.D
Acq: 22 Dec 2022 11:29

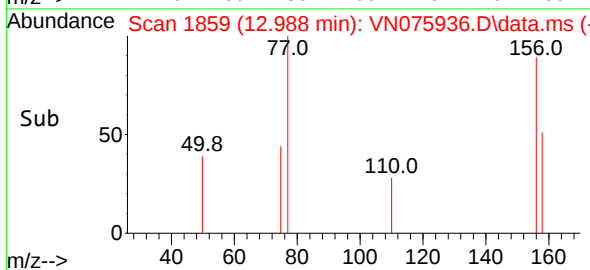
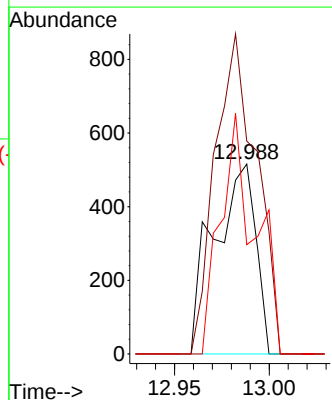
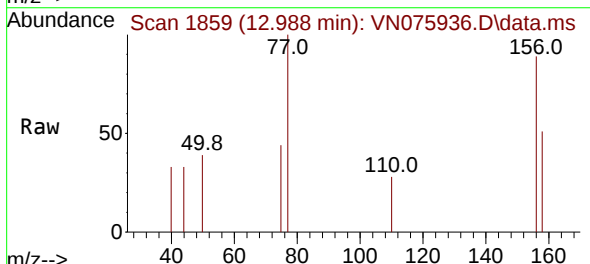
Instrument :
MSVOA_N
ClientSampleId :
VN1222MBL01

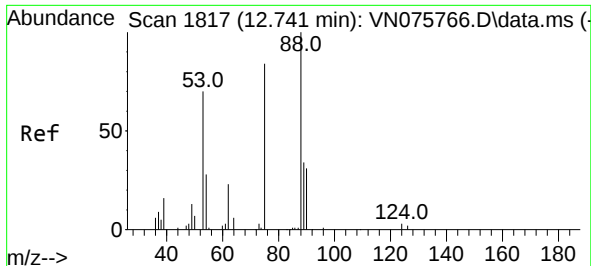
Tgt Ion: 75 Resp: 101537
Ion Ratio Lower Upper
75 100
77 0.9 82.6 247.8#



#77
Bromobenzene
Concen: 0.220 ug/l
RT: 12.988 min Scan# 1859
Delta R.T. 0.006 min
Lab File: VN075936.D
Acq: 22 Dec 2022 11:29

Tgt Ion:156 Resp: 790
Ion Ratio Lower Upper
156 100
77 165.8 93.8 281.3
158 105.4 48.9 146.6

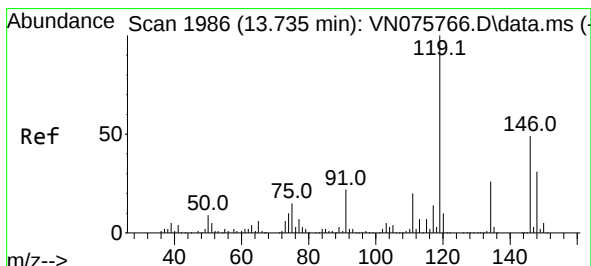
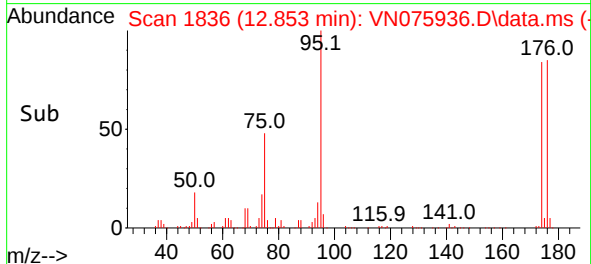
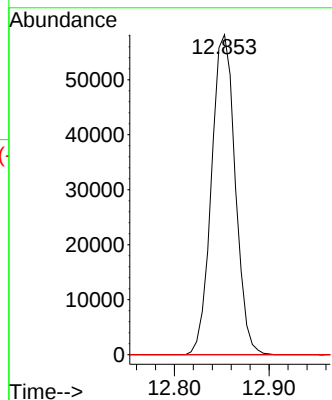
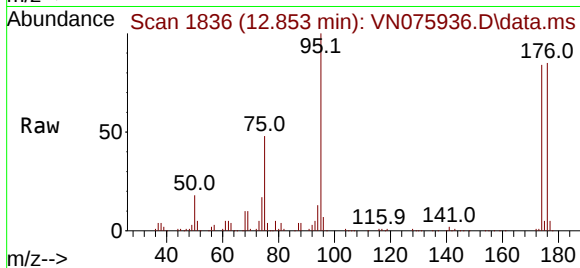




#81
trans-1,4-Dichloro-2-butene
Concen: 92.234 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN075936.D
Acq: 22 Dec 2022 11:29

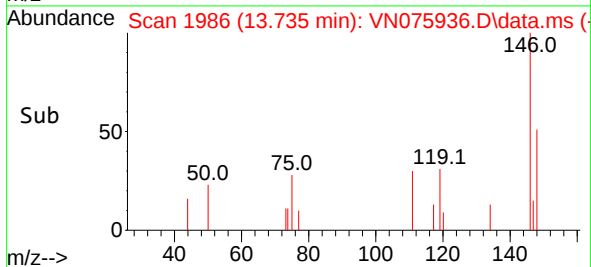
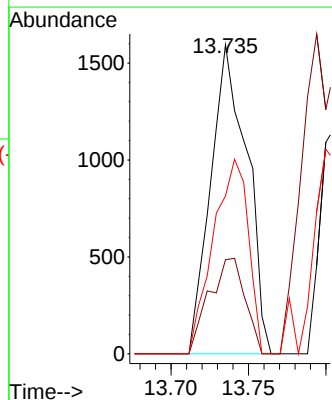
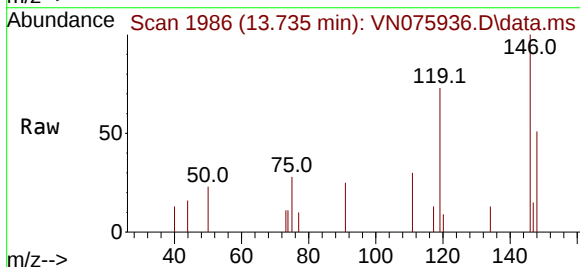
Instrument :
MSVOA_N
ClientSampleId :
VN1222MBL01

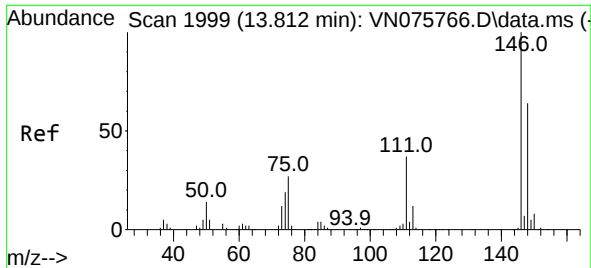
Tgt Ion: 75 Resp: 101537
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#



#87
1,3-Dichlorobenzene
Concen: 0.390 ug/l
RT: 13.735 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN075936.D
Acq: 22 Dec 2022 11:29

Tgt Ion:146 Resp: 2590
Ion Ratio Lower Upper
146 100
111 30.5 19.7 59.0
148 60.8 31.4 94.2

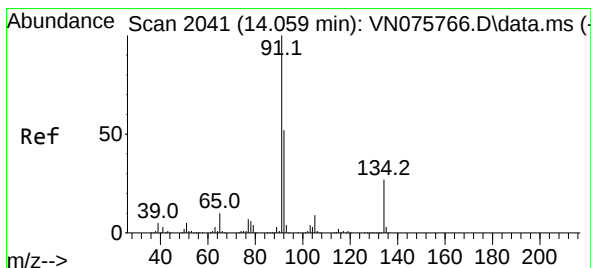
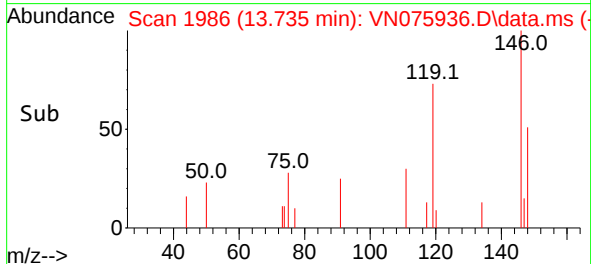
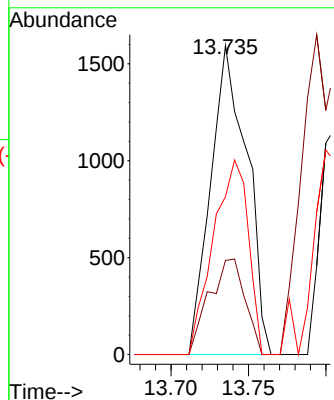
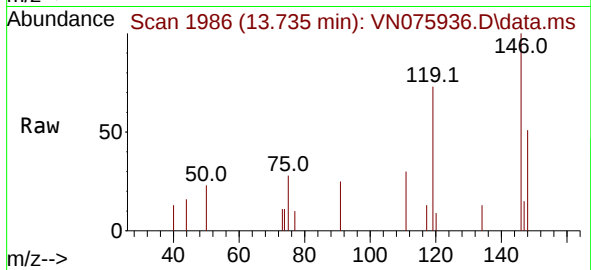




#88
1,4-Dichlorobenzene
Concen: 0.382 ug/l
RT: 13.735 min Scan# 1999
Delta R.T. -0.076 min
Lab File: VN075936.D
Acq: 22 Dec 2022 11:29

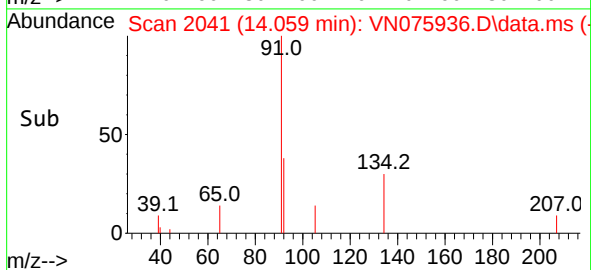
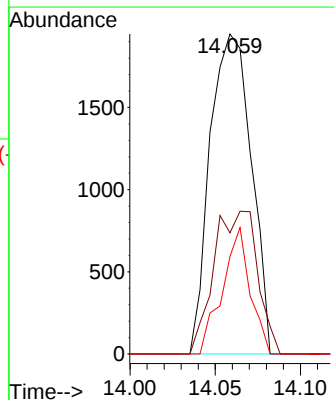
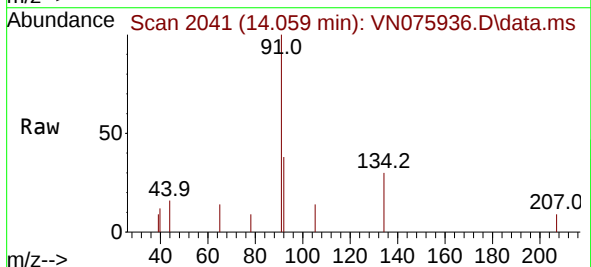
Instrument :
MSVOA_N
ClientSampleId :
VN1222MBL01

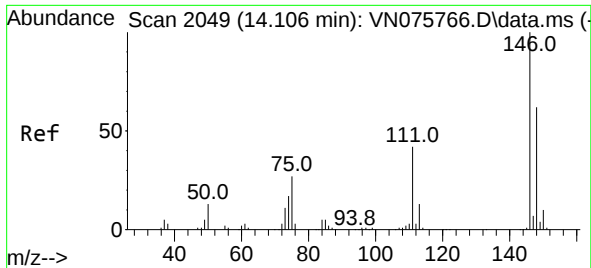
Tgt Ion:146 Resp: 2590
Ion Ratio Lower Upper
146 100
111 30.5 19.1 57.1
148 60.8 32.0 96.2



#89
n-Butylbenzene
Concen: 0.336 ug/l
RT: 14.059 min Scan# 2041
Delta R.T. 0.000 min
Lab File: VN075936.D
Acq: 22 Dec 2022 11:29

Tgt Ion: 91 Resp: 3274
Ion Ratio Lower Upper
91 100
92 47.5 26.4 79.2
134 26.6 13.4 40.2

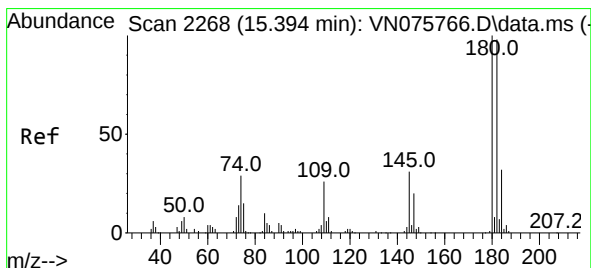
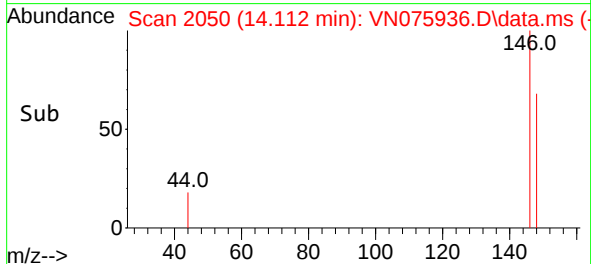
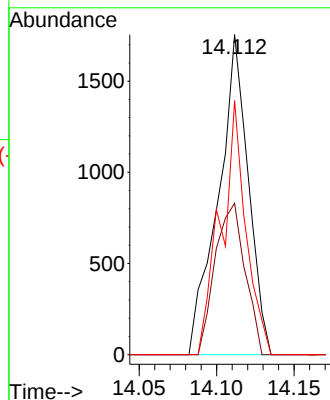
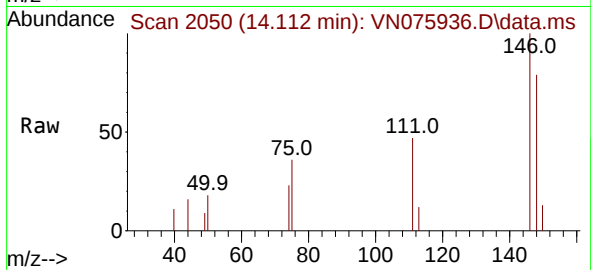




#91
1,2-Dichlorobenzene
Concen: 0.361 ug/l
RT: 14.112 min Scan# 2049
Delta R.T. 0.006 min
Lab File: VN075936.D
Acq: 22 Dec 2022 11:29

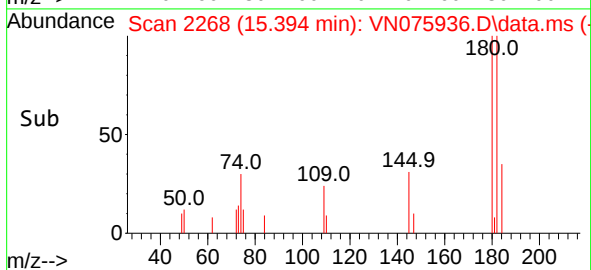
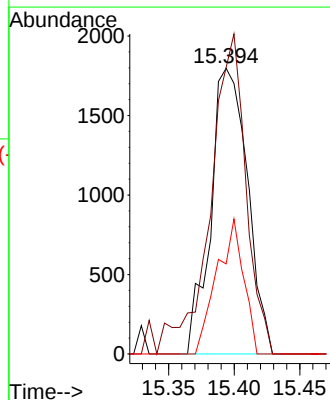
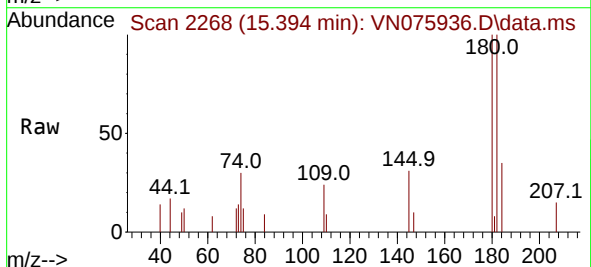
Instrument :
MSVOA_N
ClientSampleId :
VN1222MBL01

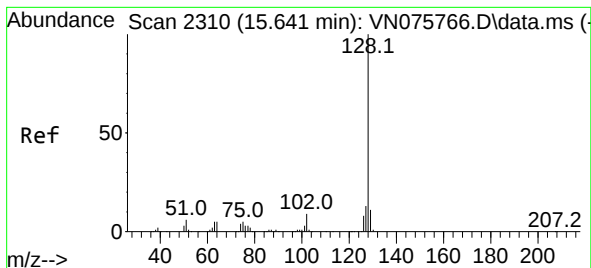
Tgt Ion:146 Resp: 2363
Ion Ratio Lower Upper
146 100
111 47.1 20.3 61.0
148 66.4 31.7 95.1



#93
1,2,4-Trichlorobenzene
Concen: 1.082 ug/l
RT: 15.394 min Scan# 2268
Delta R.T. 0.000 min
Lab File: VN075936.D
Acq: 22 Dec 2022 11:29

Tgt Ion:180 Resp: 3505
Ion Ratio Lower Upper
180 100
182 108.4 47.5 142.5
145 34.3 15.3 45.8





#95

Naphthalene

Concen: 3.662 ug/l

RT: 15.641 min Scan# 2310

Delta R.T. -0.000 min

Lab File: VN075936.D

Acq: 22 Dec 2022 11:29

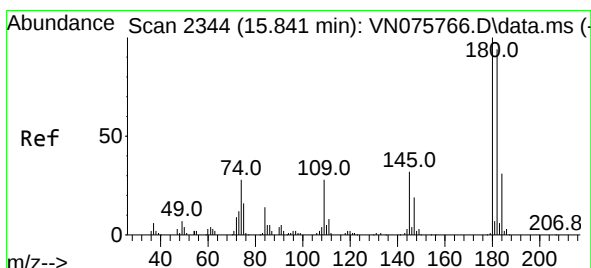
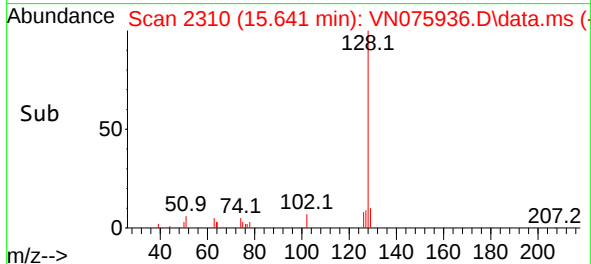
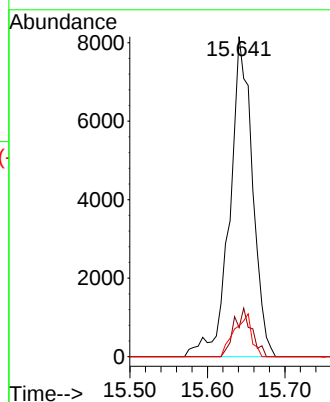
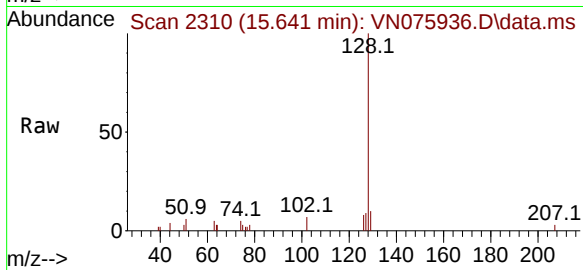
Instrument :

MSVOA_N

ClientSampleId :

VN1222MBL01

Tgt Ion:	128	Resp:	16600
Ion	Ratio	Lower	Upper
128	100		
127	11.6	10.4	15.6
129	10.3	8.7	13.1



#96

1,2,3-Trichlorobenzene

Concen: 1.347 ug/l

RT: 15.847 min Scan# 2345

Delta R.T. 0.006 min

Lab File: VN075936.D

Acq: 22 Dec 2022 11:29

Tgt Ion:	180	Resp:	4076
Ion	Ratio	Lower	Upper
180	100		
182	88.6	47.0	141.0
145	40.3	16.0	47.9

