

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093022\
 Data File : VN074666.D
 Acq On : 30 Sep 2022 14:52
 Operator : JC\MD
 Sample : N4863-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2R

Quant Time: Oct 03 02:05:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092922W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 30 07:44:59 2022
 Response via : Initial Calibration

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

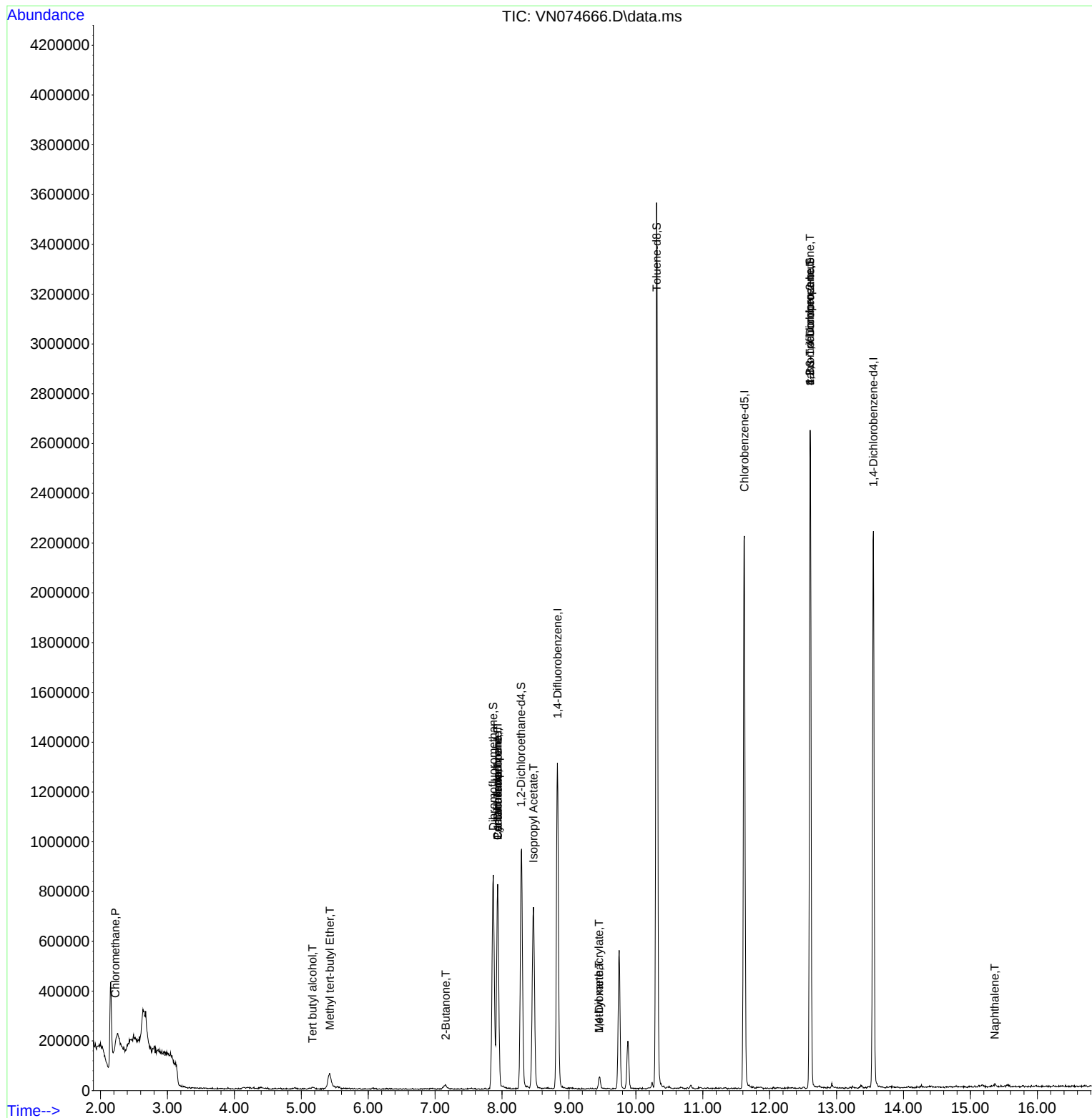
Internal Standards						
1) Pentafluorobenzene	7.934	168	579785	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.828	114	1118247	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.622	117	1183005	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.551	152	562728	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.287	65	723715	49.806	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.620%		
35) Dibromofluoromethane	7.869	113	598672	50.580	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.160%		
50) Toluene-d8	10.310	98	2342283	47.047	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.100%		
62) 4-Bromofluorobenzene	12.604	95	792743	50.216	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.440%		
Target Compounds					Qvalue	
3) Chloromethane	2.222	50	4712	0.265	ug/l	89
8) Diethyl Ether	3.528	74	195	Below Cal		66
11) Tert butyl alcohol	5.169	59	12885	3.320	ug/l #	72
13) Acrolein	3.875	56	669	Below Cal	#	27
16) Acetone	4.140	43	8772	Below Cal	#	74
19) Methyl tert-butyl Ether	5.428	73	97631	2.362	ug/l	96
20) Methylene Chloride	4.887	84	520	Below Cal	#	76
25) 2-Butanone	7.157	43	14567	1.089	ug/l #	79
31) Cyclohexane	7.934	56	18254	0.773	ug/l #	19
36) 1,1-Dichloropropene	7.934	75	56890	3.001	ug/l #	49
38) Carbon Tetrachloride	7.934	117	60988	3.512	ug/l #	14
43) Isopropyl Acetate	8.469	43	157845	3.520	ug/l #	55
48) Methyl methacrylate	9.451	41	12920	0.699	ug/l #	32
49) 1,4-Dioxane	9.451	88	151	0.428	ug/l #	1
74) N-amyl acetate	12.275	43	2225	Below Cal	#	78
75) 1,1,2,2-Tetrachloroethane	12.698	83	681	Below Cal	#	46
76) 1,2,3-Trichloropropane	12.604	75	480527	37.596	ug/l #	1
77) Bromobenzene	12.698	156	118	Below Cal	#	5
81) trans-1,4-Dichloro-2-b...	12.604	75	480527	71.360	ug/l #	10
95) Naphthalene	15.363	128	10504	0.281	ug/l #	87

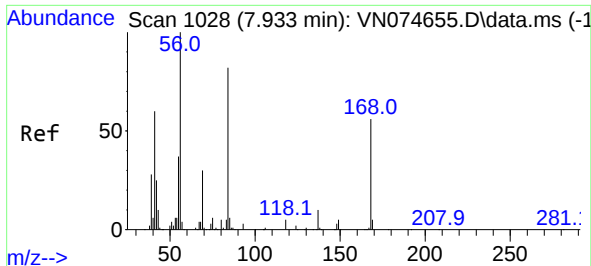
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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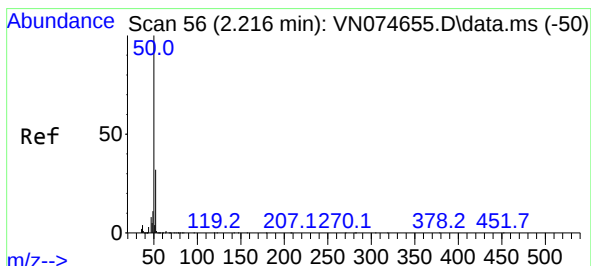
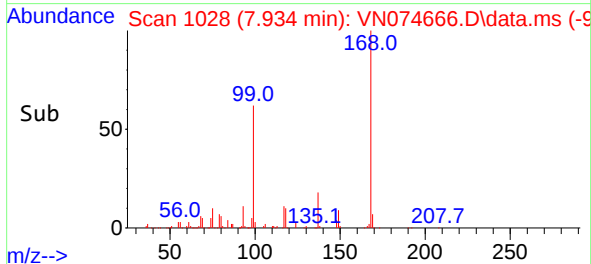
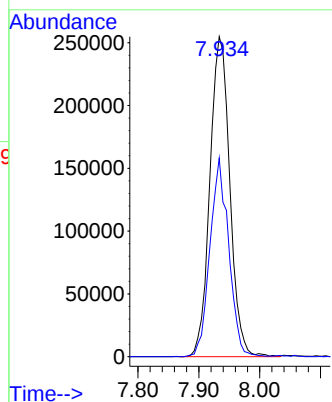
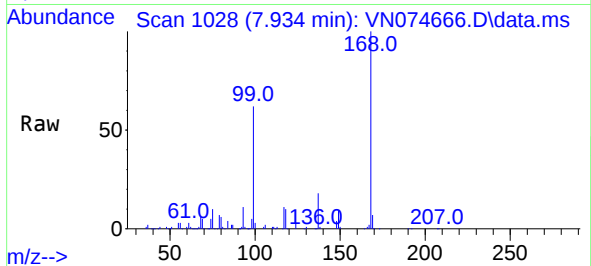




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.934 min Scan# 1028
Delta R.T. 0.001 min
Lab File: VN074666.D
Acq: 30 Sep 2022 14:52

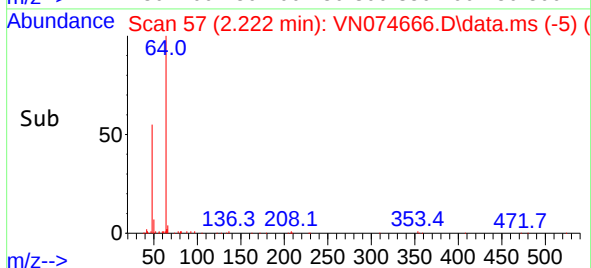
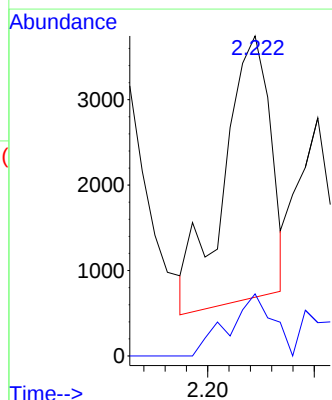
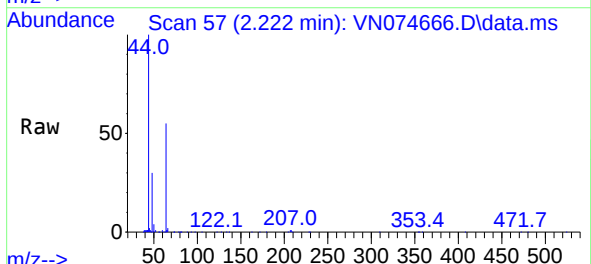
Instrument :
MSVOA_N
ClientSampleId :
MW-2R

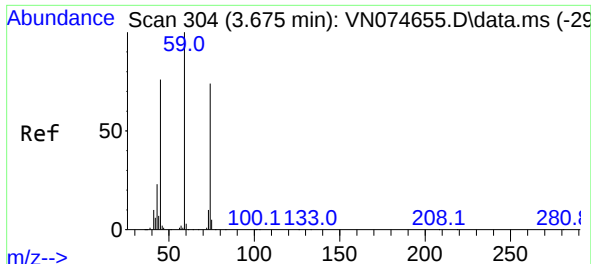
Tgt Ion:168 Resp: 579785
Ion Ratio Lower Upper
168 100
99 62.1 42.3 63.5



#3
Chloromethane
Concen: 0.265 ug/l
RT: 2.222 min Scan# 57
Delta R.T. 0.006 min
Lab File: VN074666.D
Acq: 30 Sep 2022 14:52

Tgt Ion: 50 Resp: 4712
Ion Ratio Lower Upper
50 100
52 25.9 25.7 38.5

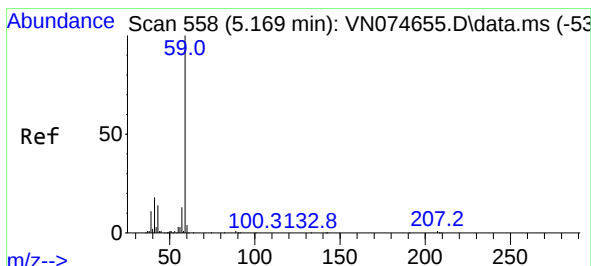
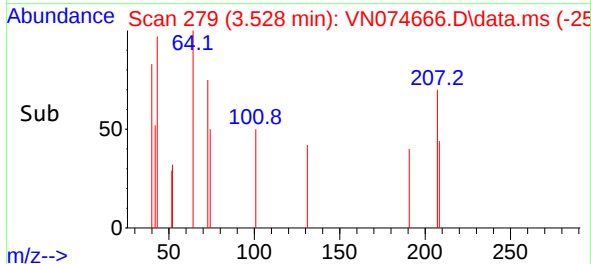
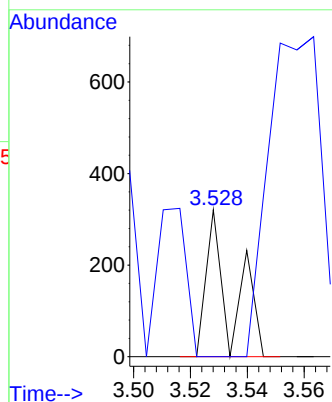
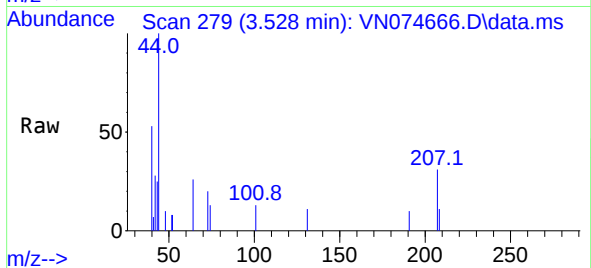




#8
Diethyl Ether
Concen: Below Cal
RT: 3.528 min Scan# 21
Delta R.T. -0.147 min
Lab File: VN074666.D
Acq: 30 Sep 2022 14:52

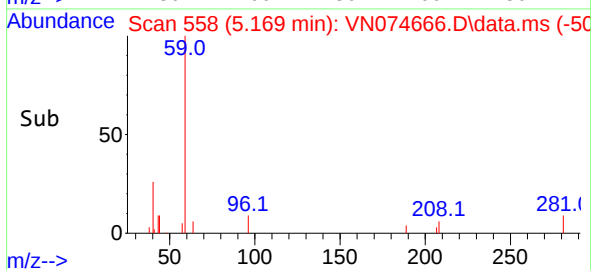
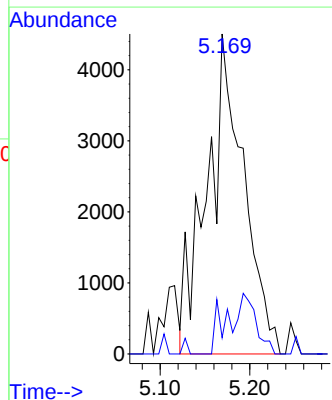
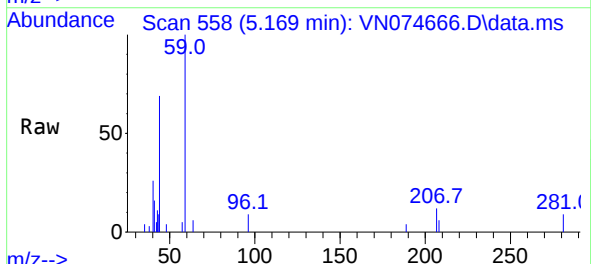
Instrument :
MSVOA_N
ClientSampleId :
MW-2R

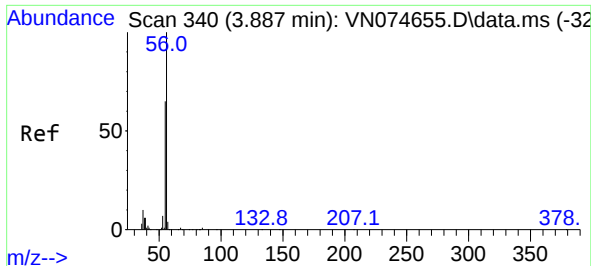
Tgt Ion: 74 Resp: 195
Ion Ratio Lower Upper
74 100
45 116.9 42.9 128.5



#11
Tert butyl alcohol
Concen: 3.320 ug/l
RT: 5.169 min Scan# 558
Delta R.T. 0.000 min
Lab File: VN074666.D
Acq: 30 Sep 2022 14:52

Tgt Ion: 59 Resp: 12885
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

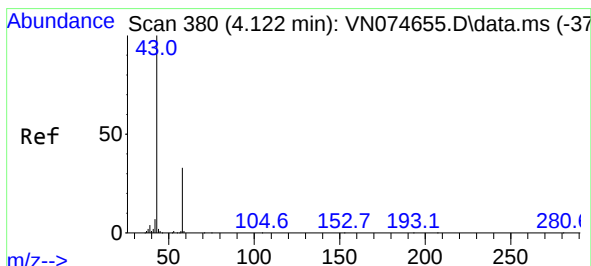
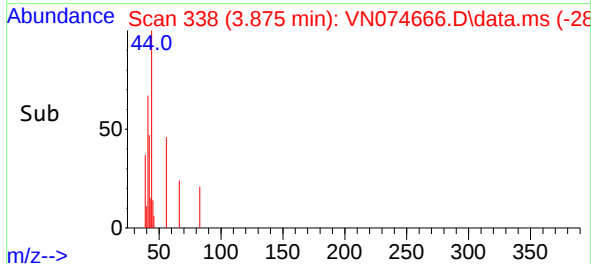
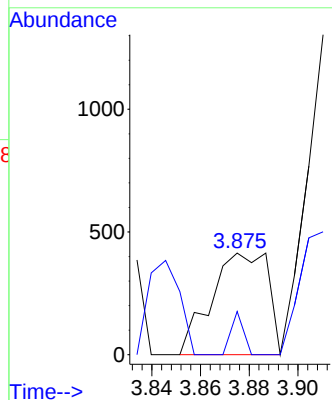
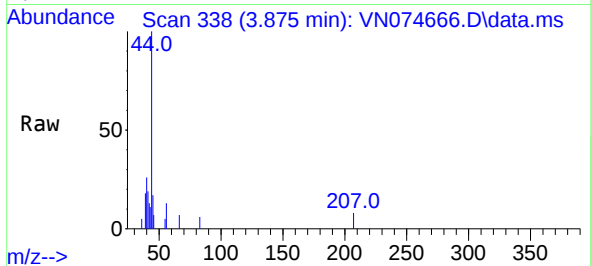




#13
Acrolein
Concen: Below Cal
RT: 3.875 min Scan# 31
Delta R.T. -0.012 min
Lab File: VN074666.D
Acq: 30 Sep 2022 14:52

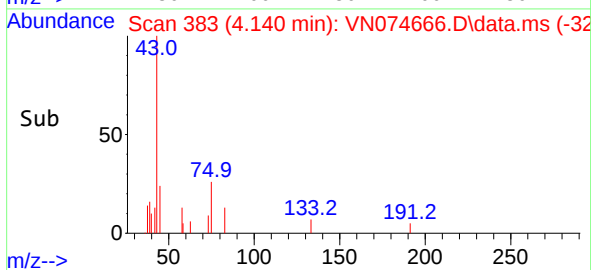
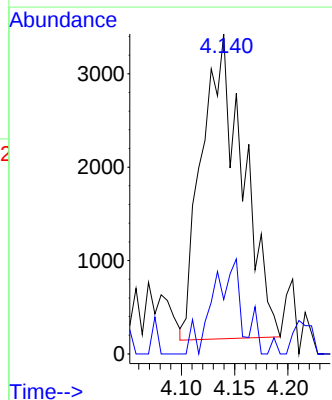
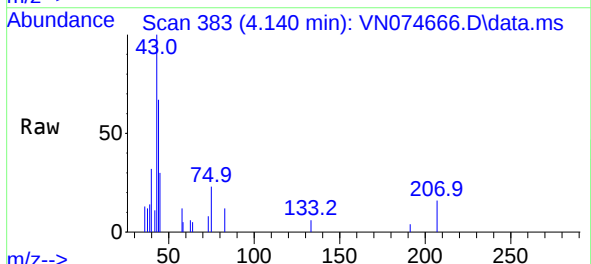
Instrument :
MSVOA_N
ClientSampleId :
MW-2R

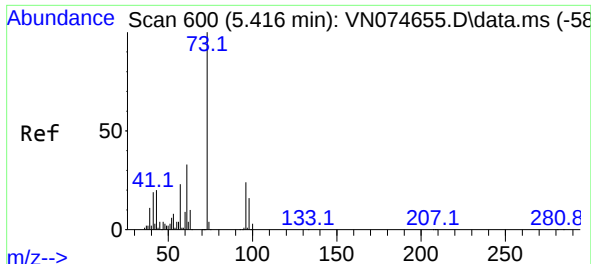
Tgt Ion: 56 Resp: 669
Ion Ratio Lower Upper
56 100
55 9.3 54.8 82.2#



#16
Acetone
Concen: Below Cal
RT: 4.140 min Scan# 383
Delta R.T. 0.018 min
Lab File: VN074666.D
Acq: 30 Sep 2022 14:52

Tgt Ion: 43 Resp: 8772
Ion Ratio Lower Upper
43 100
58 18.0 26.0 39.0#

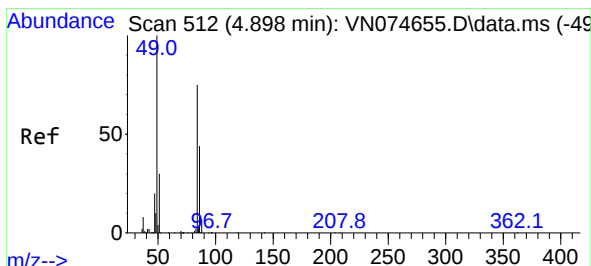
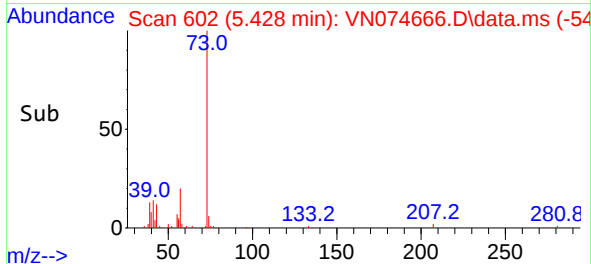
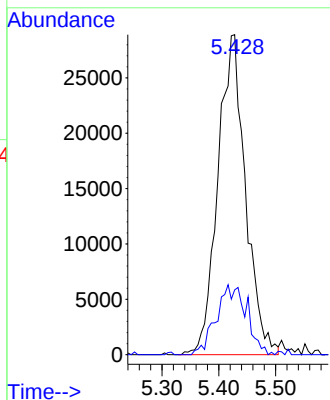
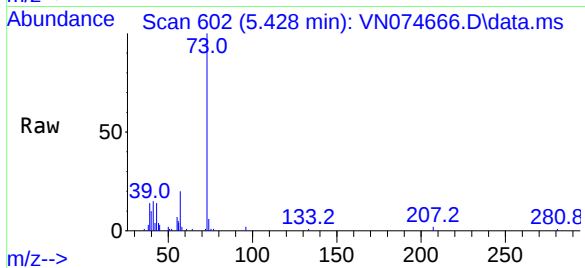




#19
Methyl tert-butyl Ether
Concen: 2.362 ug/l
RT: 5.428 min Scan# 60
Delta R.T. 0.012 min
Lab File: VN074666.D
Acq: 30 Sep 2022 14:52

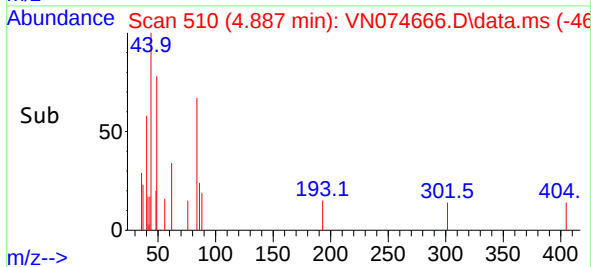
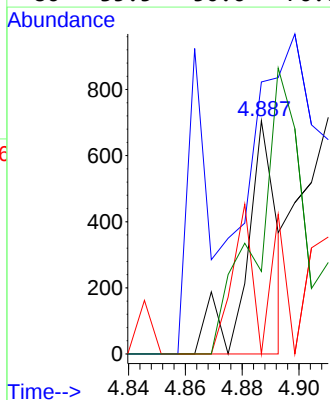
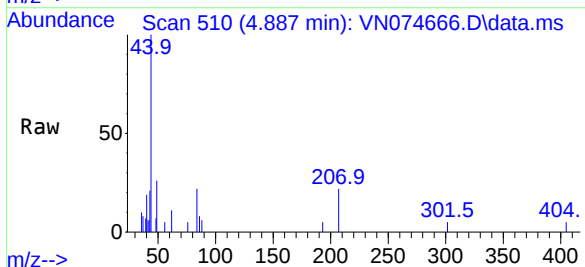
Instrument :
MSVOA_N
ClientSampleId :
MW-2R

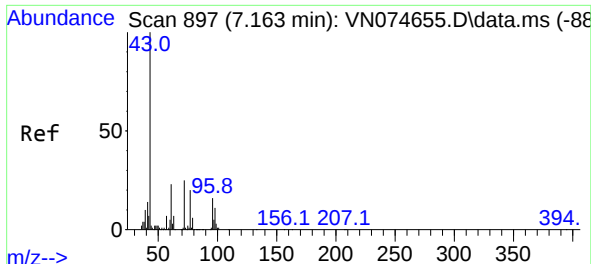
Tgt Ion: 73 Resp: 97631
Ion Ratio Lower Upper
73 100
57 20.3 17.6 26.4



#20
Methylene Chloride
Concen: Below Cal
RT: 4.887 min Scan# 510
Delta R.T. -0.011 min
Lab File: VN074666.D
Acq: 30 Sep 2022 14:52

Tgt Ion: 84 Resp: 520
Ion Ratio Lower Upper
84 100
49 116.7 88.3 132.5
51 0.0 28.2 42.2#
86 35.5 50.6 76.0#





#25

2-Butanone

Concen: 1.089 ug/l

RT: 7.157 min Scan# 89

Delta R.T. -0.006 min

Lab File: VN074666.D

Acq: 30 Sep 2022 14:52

Instrument :

MSVOA_N

ClientSampleId :

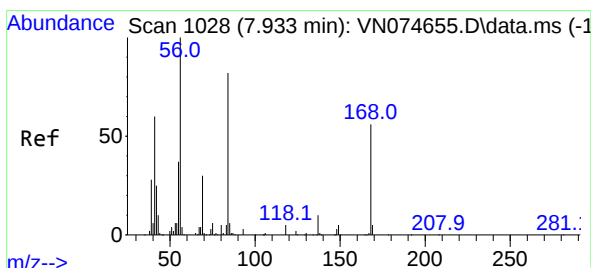
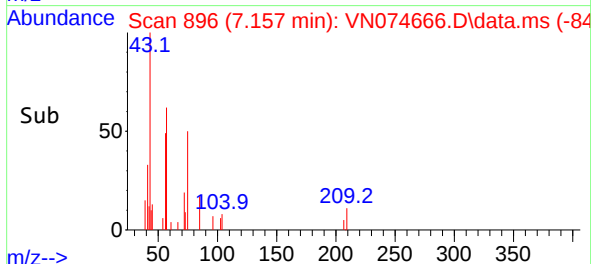
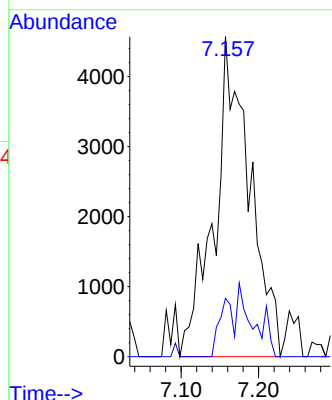
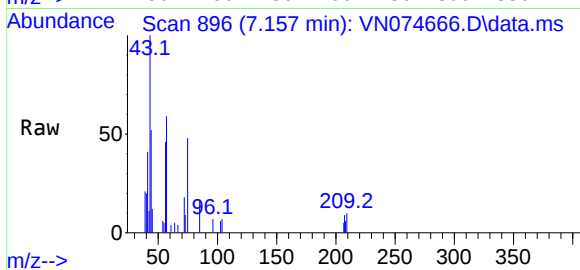
MW-2R

Tgt Ion: 43 Resp: 14567

Ion Ratio Lower Upper

43 100

72 18.3 23.7 35.5#



#31

Cyclohexane

Concen: 0.773 ug/l

RT: 7.934 min Scan# 1028

Delta R.T. 0.001 min

Lab File: VN074666.D

Acq: 30 Sep 2022 14:52

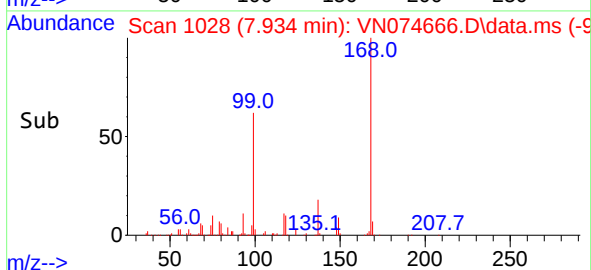
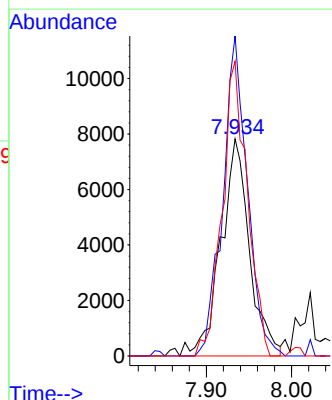
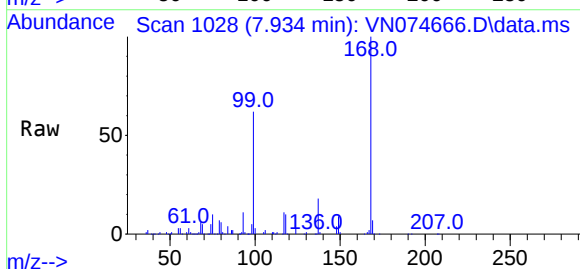
Tgt Ion: 56 Resp: 18254

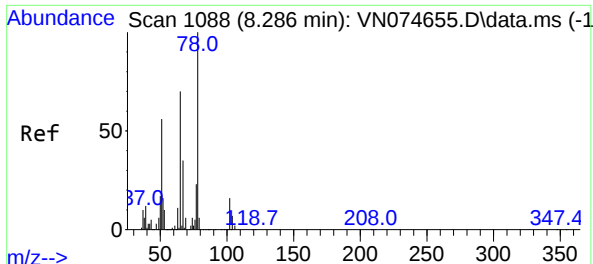
Ion Ratio Lower Upper

56 100

69 147.3 27.8 41.8#

84 135.7 76.9 115.3#

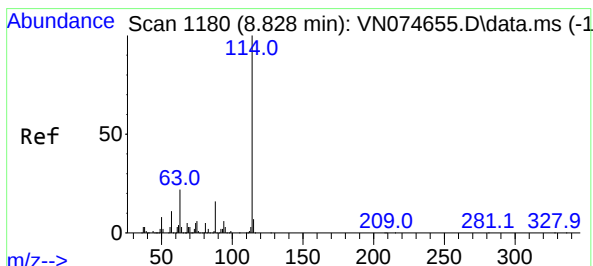
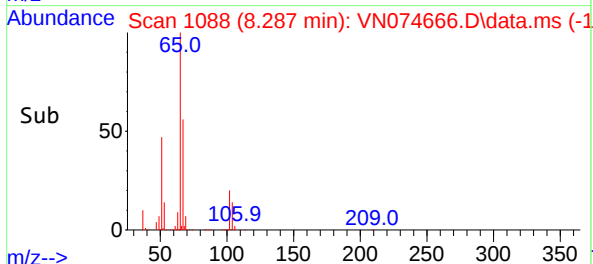
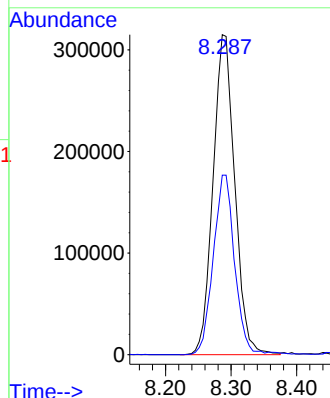
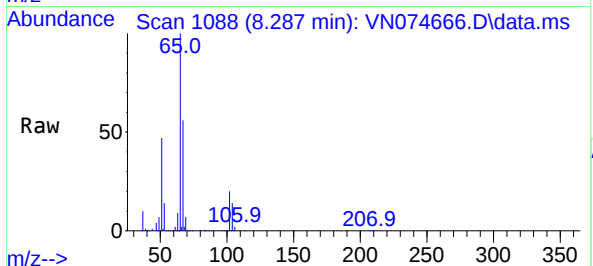




#33
1,2-Dichloroethane-d4
Concen: 49.806 ug/l
RT: 8.287 min Scan# 1088
Delta R.T. 0.001 min
Lab File: VN074666.D
Acq: 30 Sep 2022 14:52

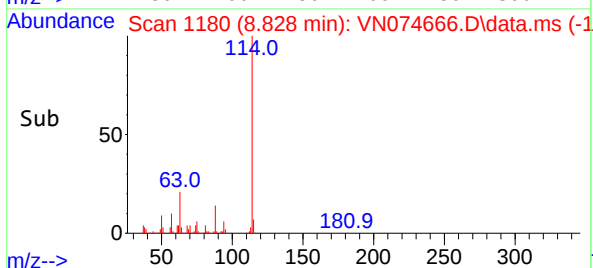
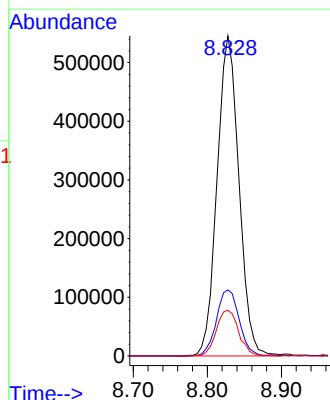
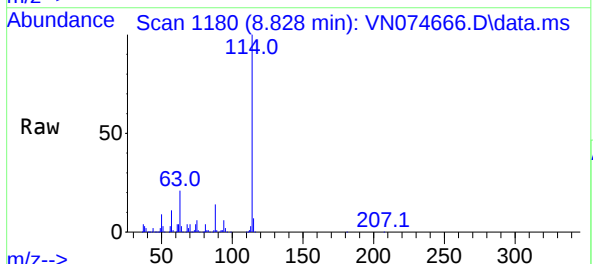
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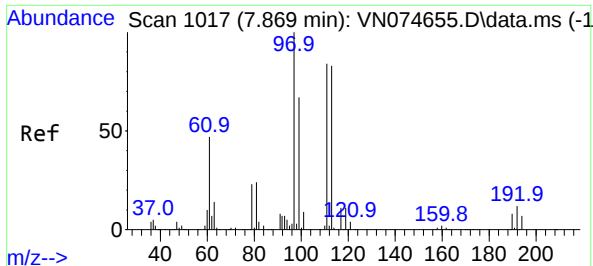
Tgt Ion: 65 Resp: 723715
Ion Ratio Lower Upper
65 100
67 55.0 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.828 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VN074666.D
Acq: 30 Sep 2022 14:52

Tgt Ion:114 Resp: 1118247
Ion Ratio Lower Upper
114 100
63 20.6 0.0 40.0
88 14.3 0.0 32.6

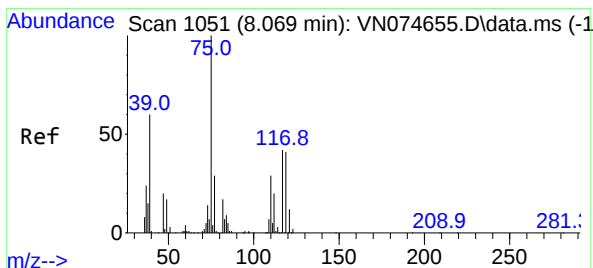
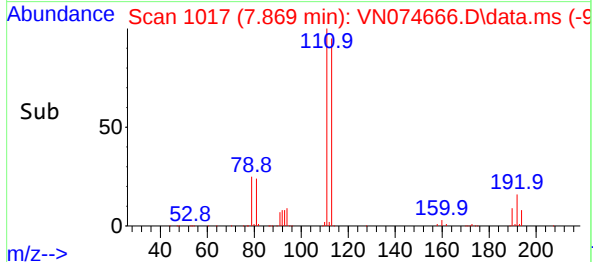
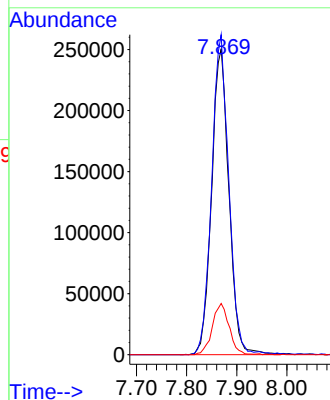
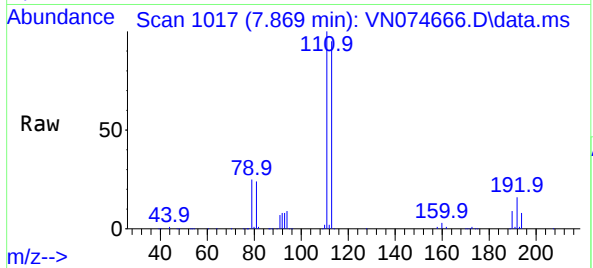




#35
Dibromofluoromethane
Concen: 50.580 ug/l
RT: 7.869 min Scan# 1017
Delta R.T. -0.000 min
Lab File: VN074666.D
Acq: 30 Sep 2022 14:52

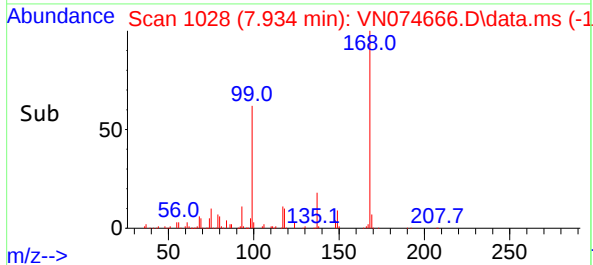
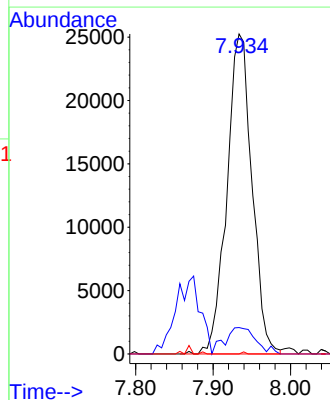
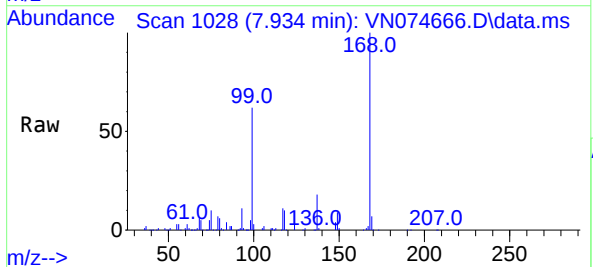
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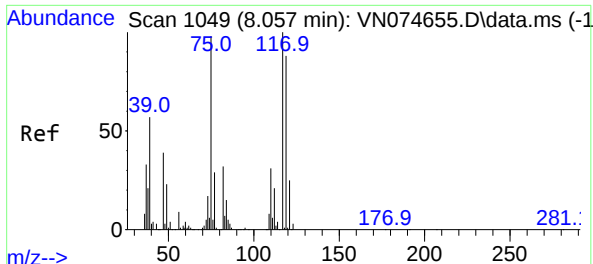
Tgt Ion:113 Resp: 598672
Ion Ratio Lower Upper
113 100
111 103.8 81.4 122.0
192 16.3 17.0 25.6#



#36
1,1-Dichloropropene
Concen: 3.001 ug/l
RT: 7.934 min Scan# 1028
Delta R.T. -0.135 min
Lab File: VN074666.D
Acq: 30 Sep 2022 14:52

Tgt Ion: 75 Resp: 56890
Ion Ratio Lower Upper
75 100
110 9.5 18.3 54.8#
77 0.1 25.1 37.7#

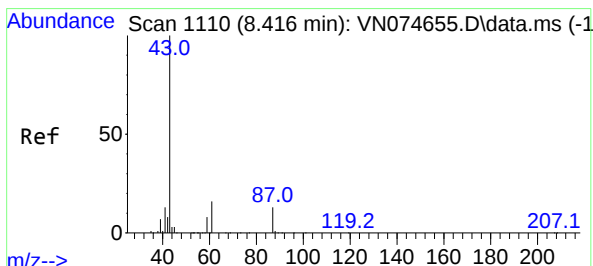
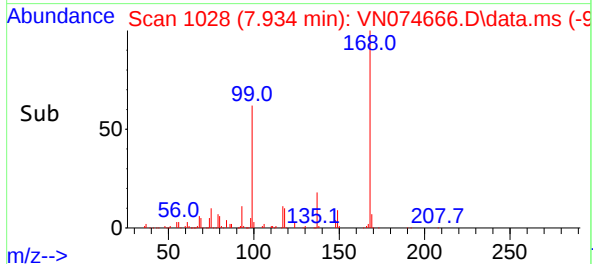
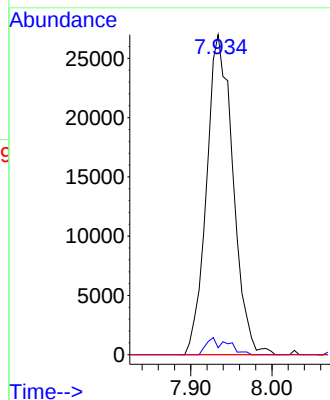
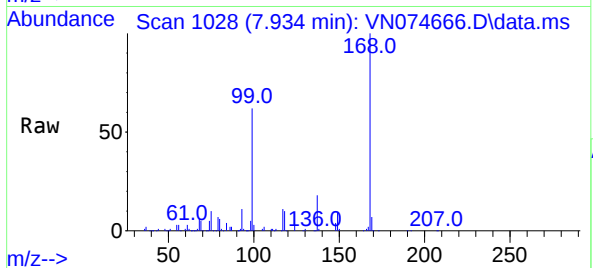




#38
Carbon Tetrachloride
Concen: 3.512 ug/l
RT: 7.934 min Scan# 1109
Delta R.T. -0.123 min
Lab File: VN074666.D
Acq: 30 Sep 2022 14:52

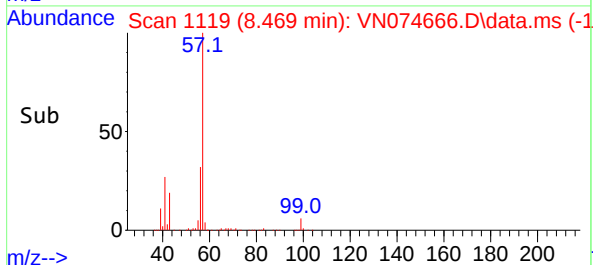
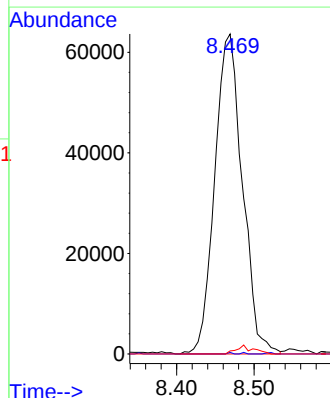
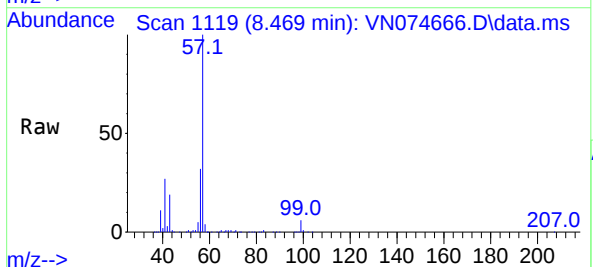
Instrument :
MSVOA_N
ClientSampleId :
MW-2R

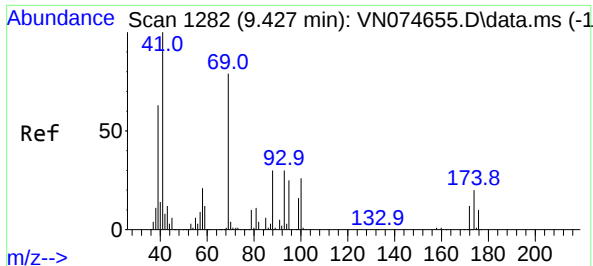
Tgt Ion:117 Resp: 60988
Ion Ratio Lower Upper
117 100
119 2.1 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 3.520 ug/l
RT: 8.469 min Scan# 1119
Delta R.T. 0.053 min
Lab File: VN074666.D
Acq: 30 Sep 2022 14:52

Tgt Ion: 43 Resp: 157845
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 1.7 12.0 18.0#





#48

Methyl methacrylate

Concen: 0.699 ug/l

RT: 9.451 min Scan# 1286

Delta R.T. 0.024 min

Lab File: VN074666.D

Acq: 30 Sep 2022 14:52

Instrument :

MSVOA_N

ClientSampleId :

MW-2R

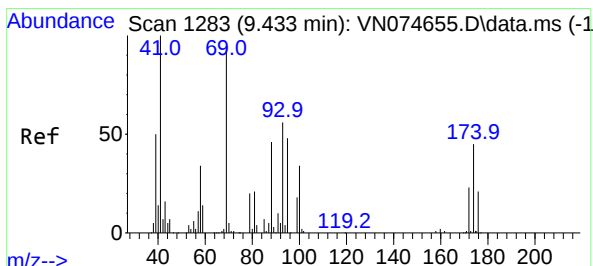
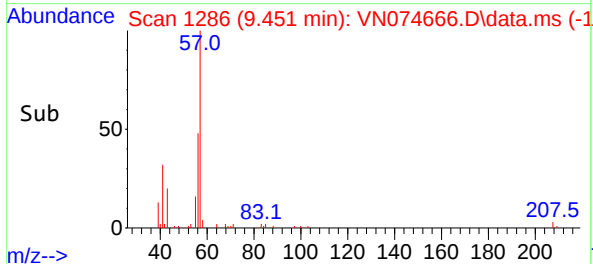
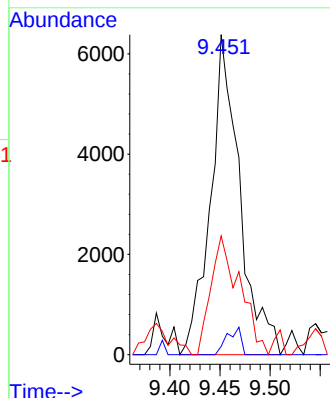
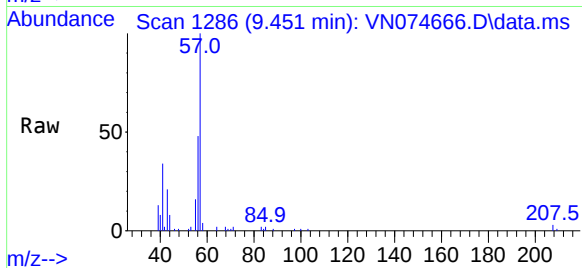
Tgt Ion: 41 Resp: 12920

Ion Ratio Lower Upper

41 100

69 4.1 74.7 112.1#

39 36.9 45.6 68.4#



#49

1,4-Dioxane

Concen: 0.428 ug/l

RT: 9.451 min Scan# 1286

Delta R.T. 0.018 min

Lab File: VN074666.D

Acq: 30 Sep 2022 14:52

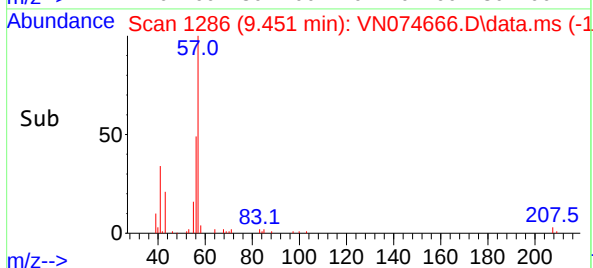
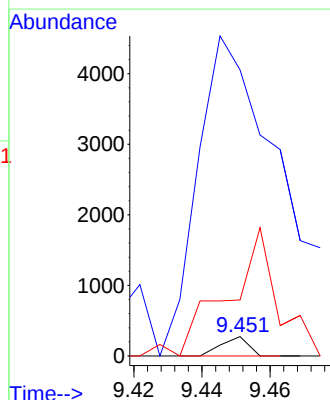
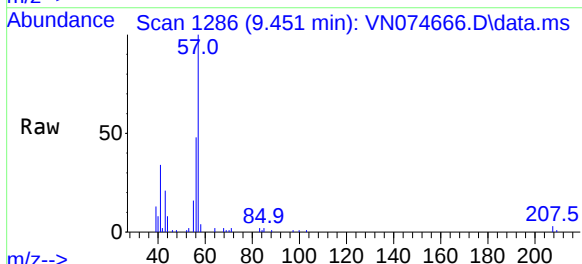
Tgt Ion: 88 Resp: 151

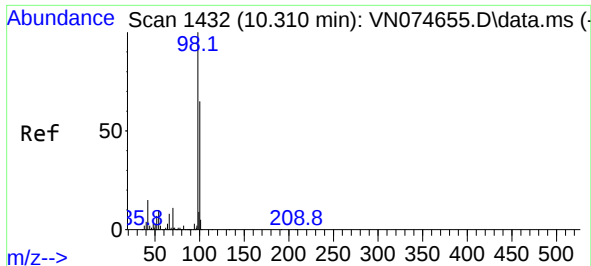
Ion Ratio Lower Upper

88 100

43 6439.7 20.2 30.4#

58 1313.2 54.2 81.4#

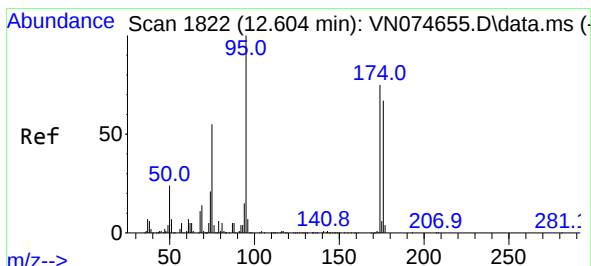
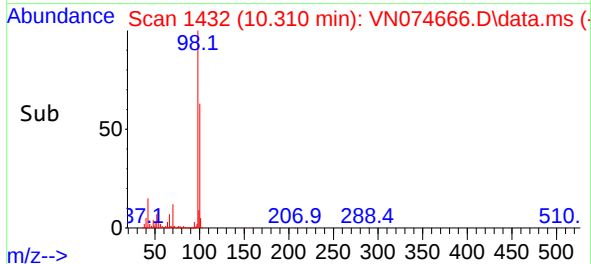
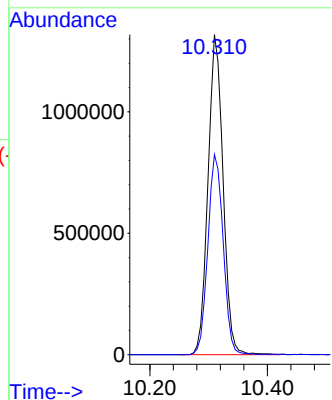
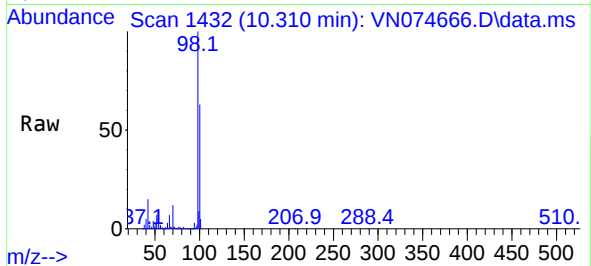




#50
Toluene-d8
Concen: 47.047 ug/l
RT: 10.310 min Scan# 1432
Delta R.T. -0.000 min
Lab File: VN074666.D
Acq: 30 Sep 2022 14:52

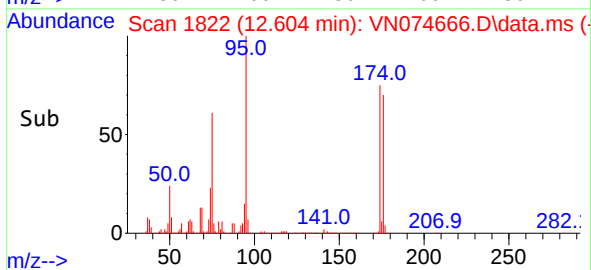
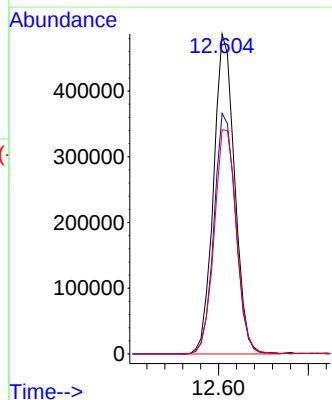
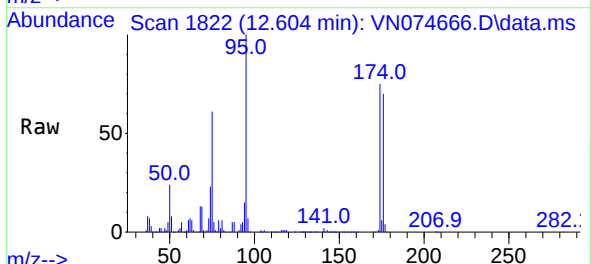
Instrument :
MSVOA_N
ClientSampleId :
MW-2R

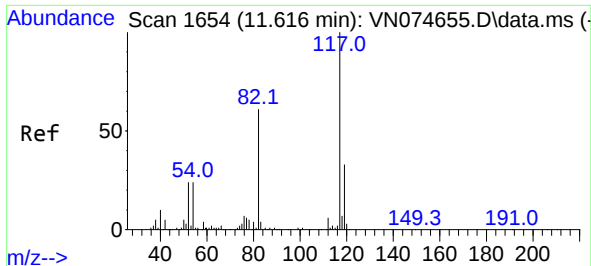
Tgt Ion: 98 Resp: 2342283
Ion Ratio Lower Upper
98 100
100 63.8 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 50.216 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. -0.000 min
Lab File: VN074666.D
Acq: 30 Sep 2022 14:52

Tgt Ion: 95 Resp: 792743
Ion Ratio Lower Upper
95 100
174 77.1 0.0 167.6
176 74.4 0.0 163.4

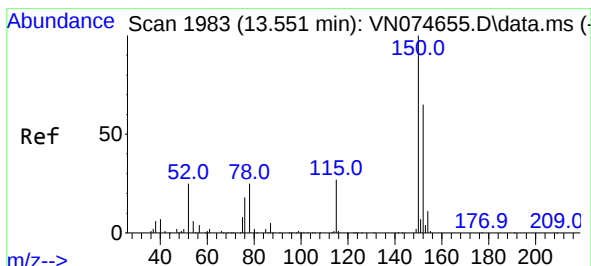
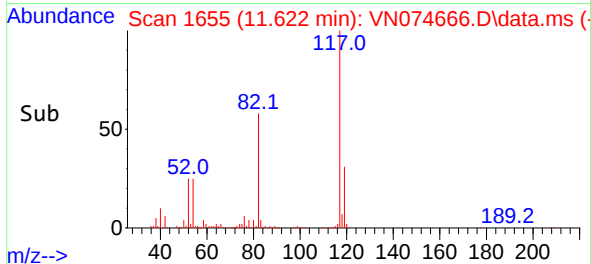
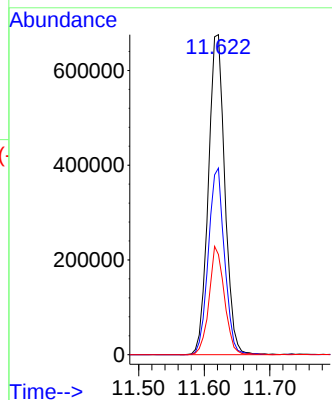
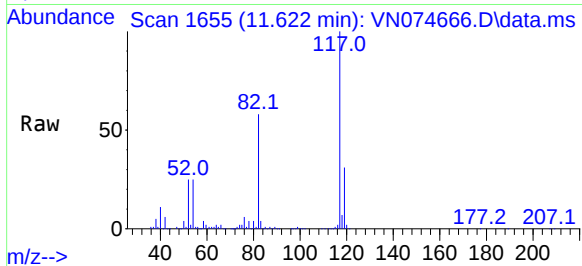




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.622 min Scan# 1170
Delta R.T. 0.006 min
Lab File: VN074666.D
Acq: 30 Sep 2022 14:52

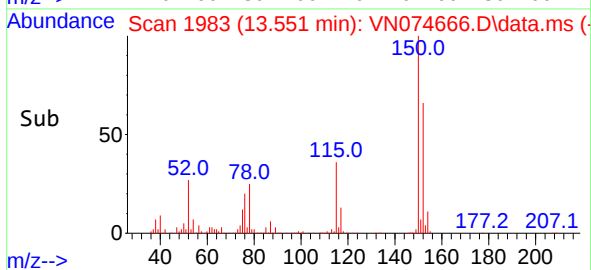
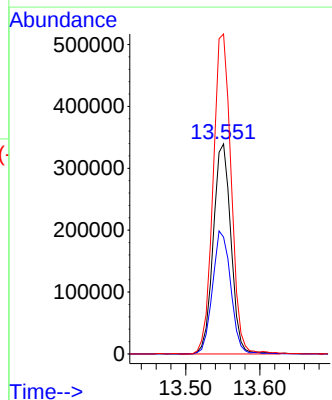
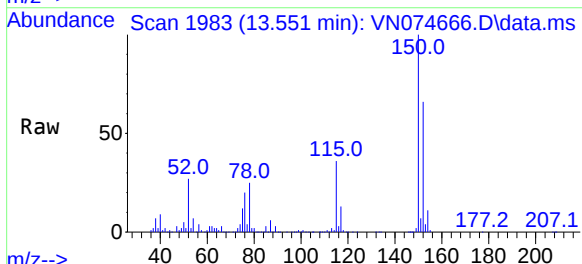
Instrument :
MSVOA_N
ClientSampleId :
MW-2R

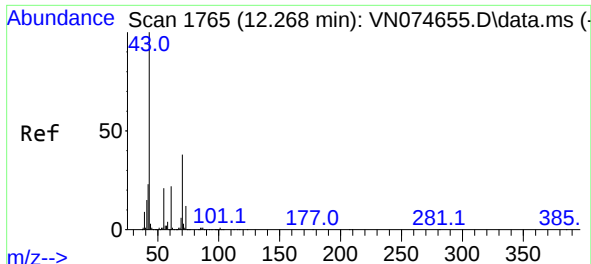
Tgt Ion:117 Resp: 1183005
Ion Ratio Lower Upper
117 100
82 58.3 44.2 66.2
119 31.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.551 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VN074666.D
Acq: 30 Sep 2022 14:52

Tgt Ion:152 Resp: 562728
Ion Ratio Lower Upper
152 100
115 60.3 28.9 86.7
150 155.5 0.0 356.2

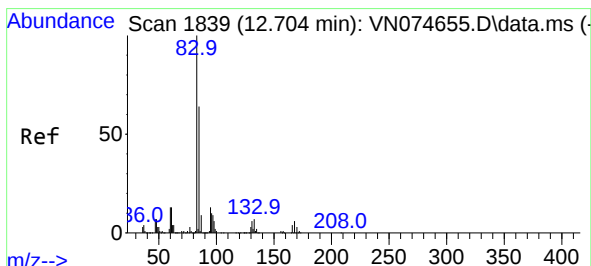
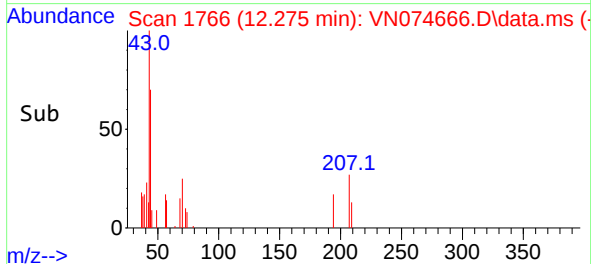
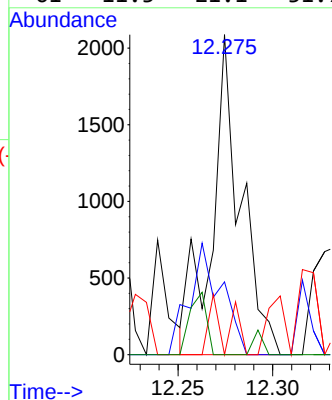
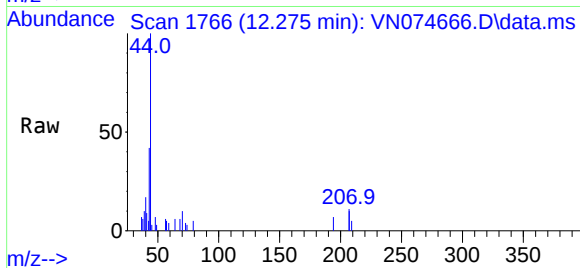




#74
N-amy1 acetate
Concen: Below Cal
RT: 12.275 min Scan# 1765
Delta R.T. 0.007 min
Lab File: VN074666.D
Acq: 30 Sep 2022 14:52

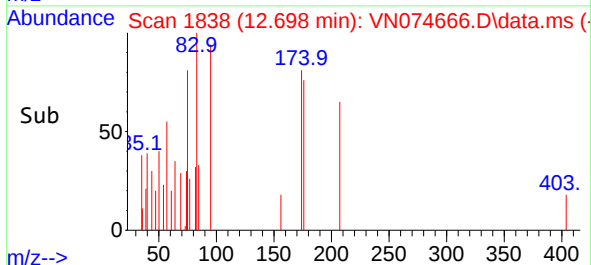
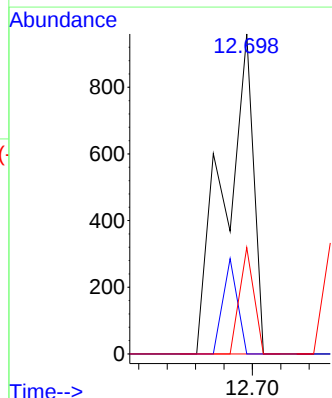
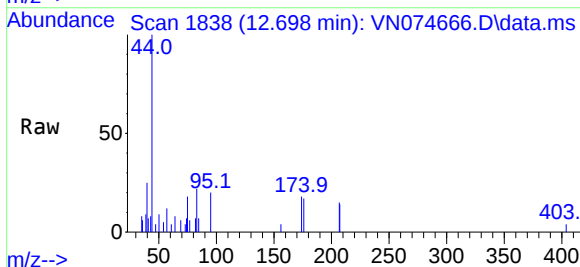
Instrument :
MSVOA_N
ClientSampleId :
MW-2R

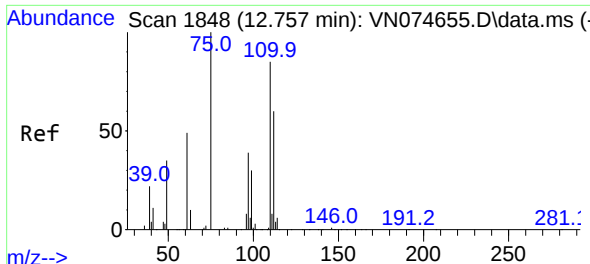
Tgt Ion:	43	Resp:	2225
Ion	Ratio	Lower	Upper
43	100		
70	38.4	39.0	58.4#
55	11.7	21.1	31.7#
61	11.3	21.1	31.7#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 12.698 min Scan# 1838
Delta R.T. -0.006 min
Lab File: VN074666.D
Acq: 30 Sep 2022 14:52

Tgt Ion:	83	Resp:	681
Ion	Ratio	Lower	Upper
83	100		
131	14.8	5.3	15.9
85	16.6	32.3	96.9#

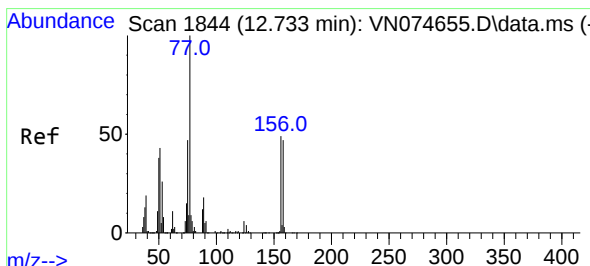
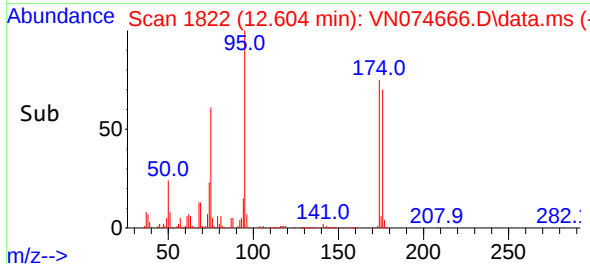
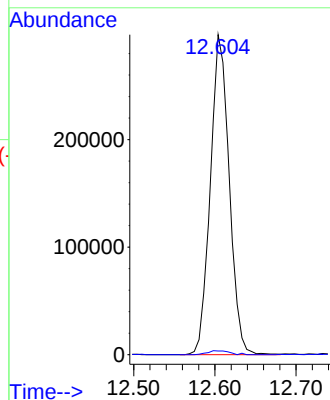
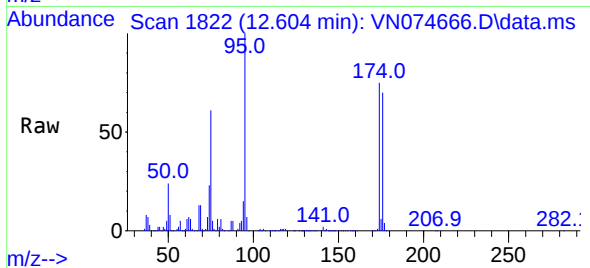




#76
1,2,3-Trichloropropane
Concen: 37.596 ug/l
RT: 12.604 min Scan# 1838
Delta R.T. -0.153 min
Lab File: VN074666.D
Acq: 30 Sep 2022 14:52

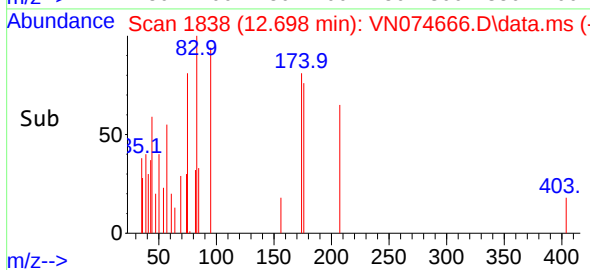
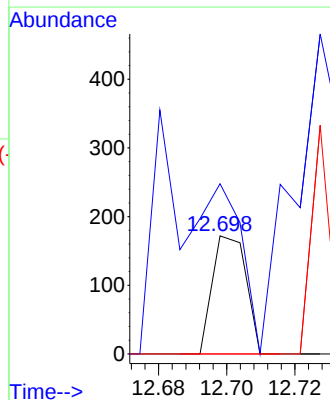
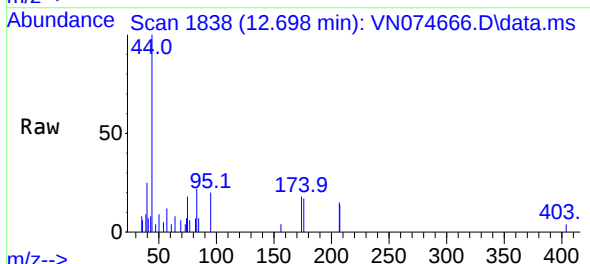
Instrument :
MSVOA_N
ClientSampleId :
MW-2R

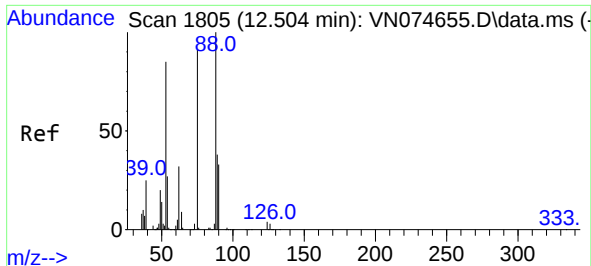
Tgt Ion: 75 Resp: 480527
Ion Ratio Lower Upper
75 100
77 1.4 98.5 295.5#



#77
Bromobenzene
Concen: Below Cal
RT: 12.698 min Scan# 1838
Delta R.T. -0.035 min
Lab File: VN074666.D
Acq: 30 Sep 2022 14:52

Tgt Ion:156 Resp: 118
Ion Ratio Lower Upper
156 100
77 341.5 100.5 301.5#
158 0.0 48.9 146.6#

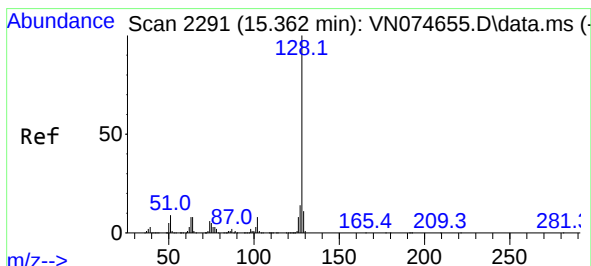
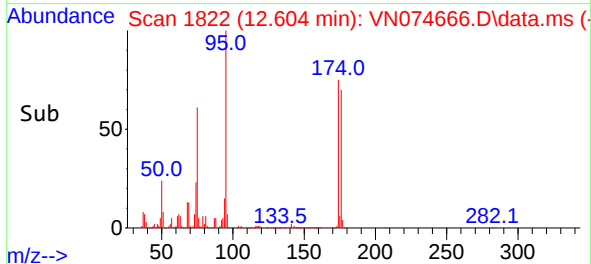
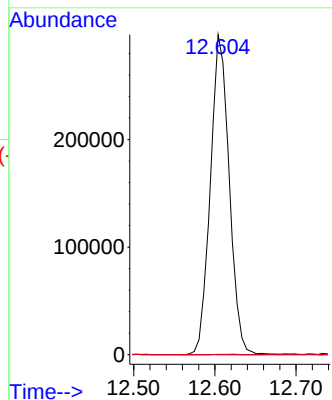
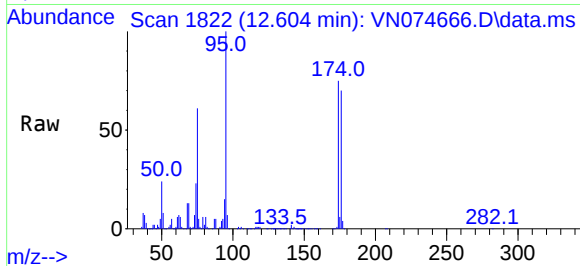




#81
trans-1,4-Dichloro-2-butene
Concen: 71.360 ug/l
RT: 12.604 min Scan# 1822
Delta R.T. 0.100 min
Lab File: VN074666.D
Acq: 30 Sep 2022 14:52

Instrument :
MSVOA_N
ClientSampleId :
MW-2R

Tgt Ion: 75 Resp: 480527
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 0.281 ug/l
RT: 15.363 min Scan# 2291
Delta R.T. 0.001 min
Lab File: VN074666.D
Acq: 30 Sep 2022 14:52

Tgt Ion: 128 Resp: 10504
Ion Ratio Lower Upper
128 100
127 7.7 10.3 15.5#
129 6.1 8.6 13.0#

