

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040422\
 Data File : VN071827.D
 Acq On : 04 Apr 2022 13:01
 Operator : JC\MD
 Sample : N2242-01DL 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1DL

Quant Time: Apr 05 01:17:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

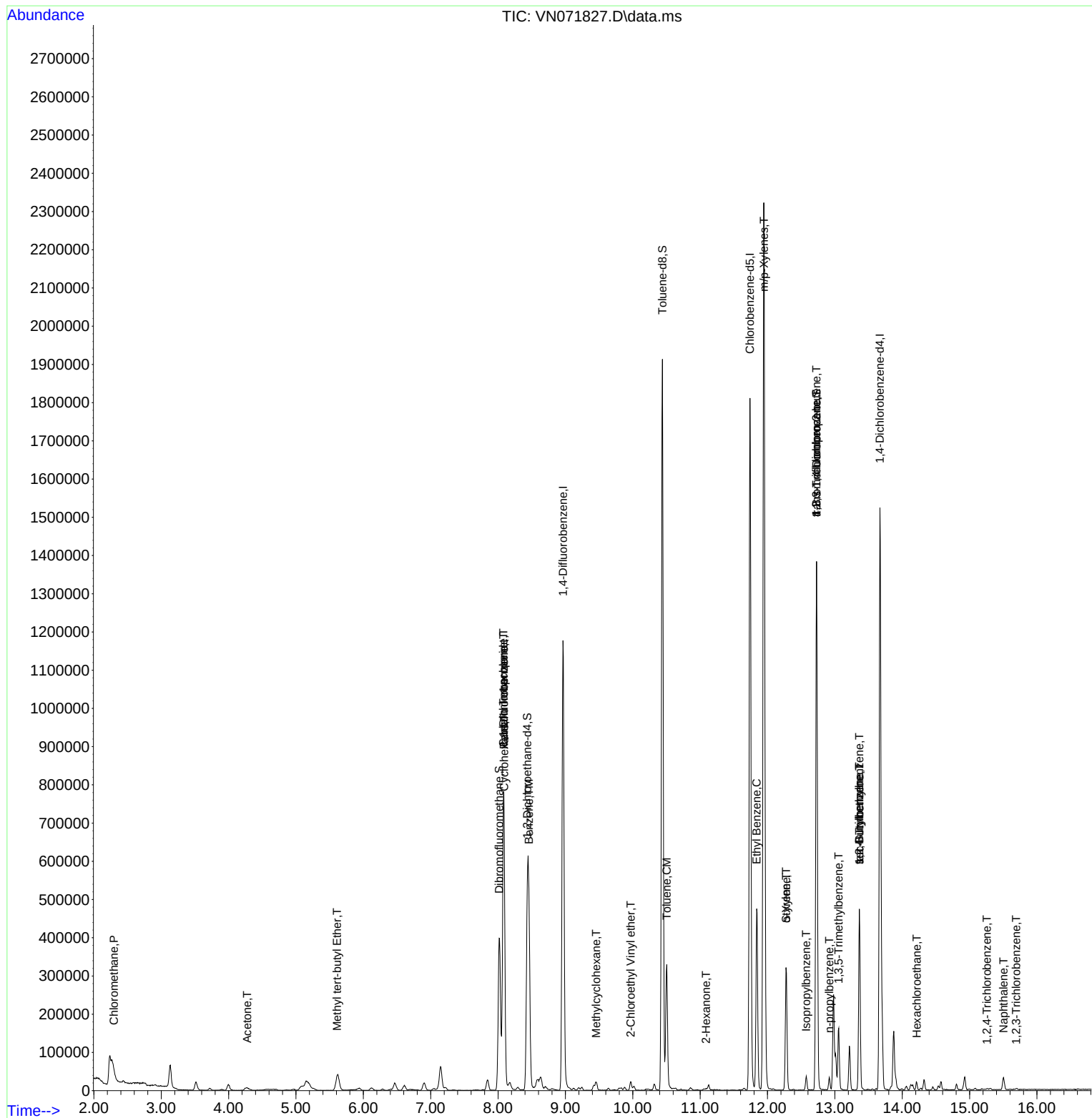
Internal Standards						
1) Pentafluorobenzene	8.087	168	642136	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1095297	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1127827	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	441529	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	364139	49.673	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.340%		
35) Dibromofluoromethane	8.016	113	310454	48.168	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.340%		
50) Toluene-d8	10.439	98	1376289	52.200	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	104.400%		
62) 4-Bromofluorobenzene	12.727	95	501927	58.863	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	117.720%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	2868	0.443	ug/l #	72
16) Acetone	4.275	43	6988	2.231	ug/l #	65
18) Methyl Acetate	4.851	43	894	Below Cal		95
19) Methyl tert-butyl Ether	5.610	73	38214	1.941	ug/l #	8
31) Cyclohexane	8.092	56	25118	2.520	ug/l #	63
36) 1,1-Dichloropropene	8.081	75	43046	4.783	ug/l #	49
38) Carbon Tetrachloride	8.081	117	56567	6.413	ug/l #	16
39) Methylcyclohexane	9.457	83	9681	0.904	ug/l	92
40) Benzene	8.457	78	415079	14.599	ug/l	99
52) Toluene	10.504	92	144354	8.032	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.969	63	251	17.039	ug/l #	44
59) 2-Hexanone	11.086	43	1415	0.213	ug/l #	48
67) Ethyl Benzene	11.839	91	361859	9.465	ug/l	100
68) m/p-Xylenes	11.945	106	788392	53.672	ug/l	100
69) o-Xylene	12.275	106	95171	6.528	ug/l	99
70) Styrene	12.275	104	5784	0.262	ug/l #	1
73) Isopropylbenzene	12.574	105	23708	0.637	ug/l	100
76) 1,2,3-Trichloropropane	12.727	75	241668	23.627	ug/l #	1
78) n-propylbenzene	12.916	91	27154	0.694	ug/l	99
80) 1,3,5-Trimethylbenzene	13.057	105	88113	2.989	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.727	75	241668	73.220	ug/l #	10
83) tert-Butylbenzene	13.363	119	34738	1.289	ug/l #	68
84) 1,2,4-Trimethylbenzene	13.363	105	279561	9.720	ug/l	99
85) sec-Butylbenzene	13.363	105	279561	8.003	ug/l #	56
90) Hexachloroethane	14.216	117	1337	0.262	ug/l #	9
93) 1,2,4-Trichlorobenzene	15.257	180	1278	2.260	ug/l #	86
95) Naphthalene	15.504	128	31383	5.245	ug/l	99
96) 1,2,3-Trichlorobenzene	15.692	180	1477	2.621	ug/l	85

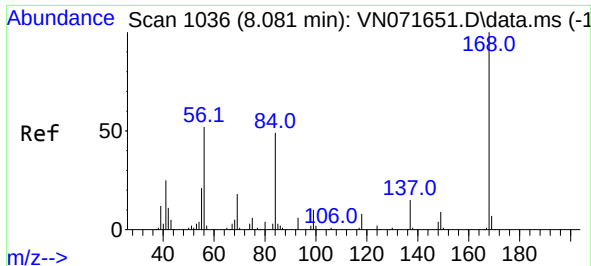
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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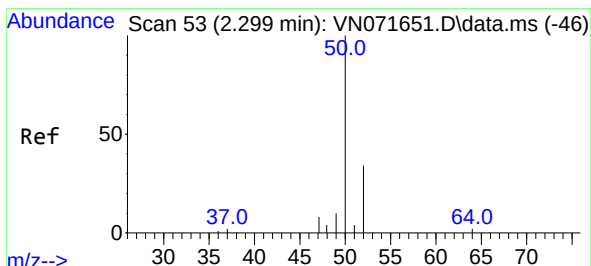
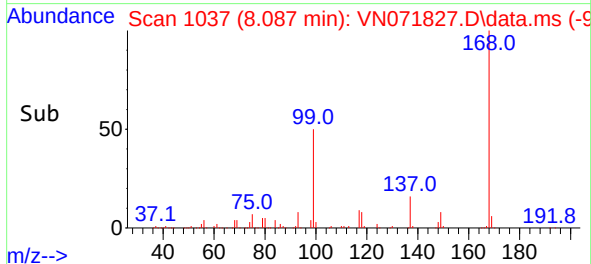
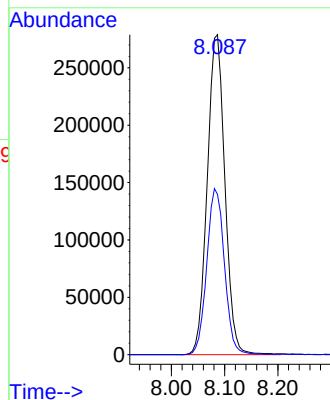
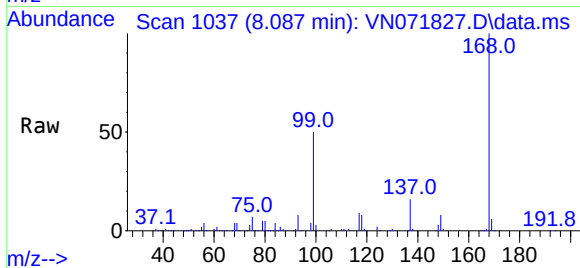




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.087 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN071827.D
Acq: 04 Apr 2022 13:01

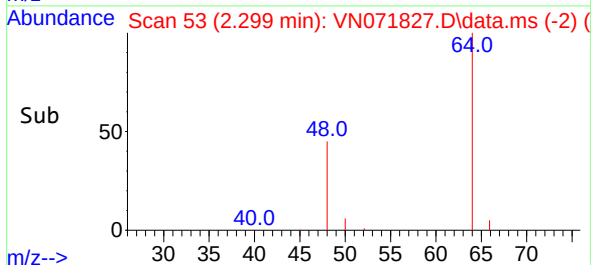
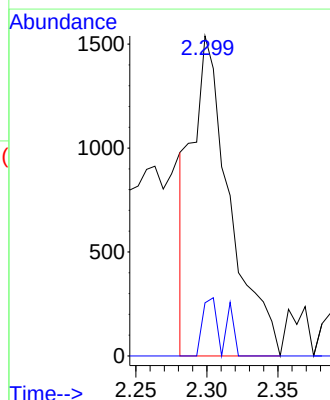
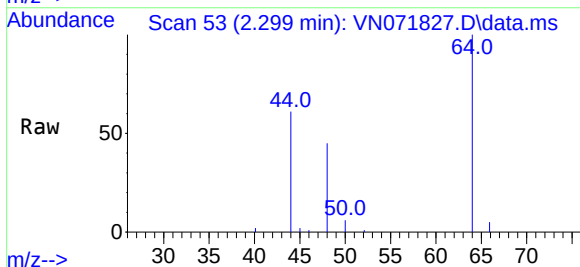
Instrument :
MSVOA_N
ClientSampleId :
MW-1DL

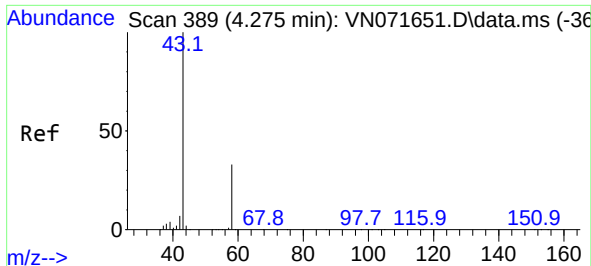
Tgt Ion:168 Resp: 642136
Ion Ratio Lower Upper
168 100
99 50.1 42.3 63.5



#3
Chloromethane
Concen: 0.443 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071827.D
Acq: 04 Apr 2022 13:01

Tgt Ion: 50 Resp: 2868
Ion Ratio Lower Upper
50 100
52 16.6 25.7 38.5#

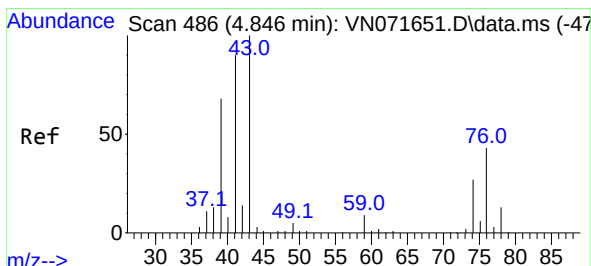
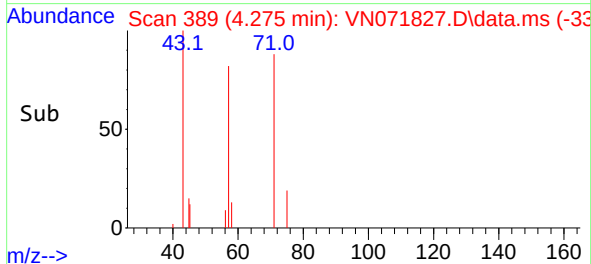
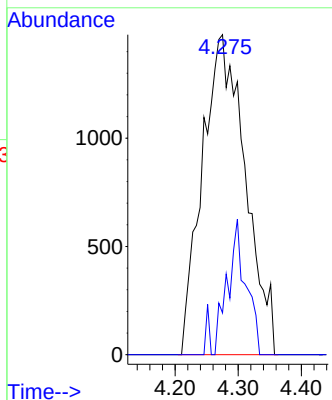
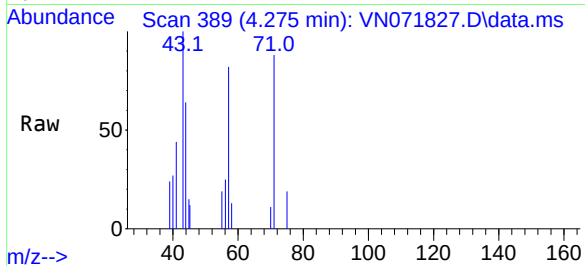




#16
Acetone
Concen: 2.231 ug/l
RT: 4.275 min Scan# 389
Delta R.T. 0.000 min
Lab File: VN071827.D
Acq: 04 Apr 2022 13:01

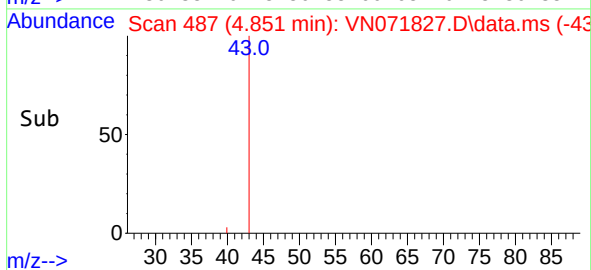
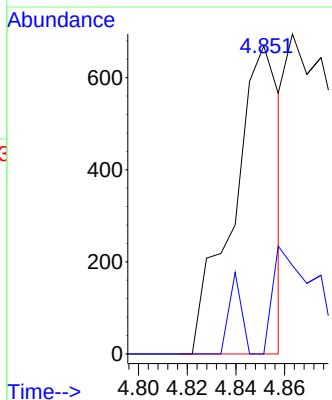
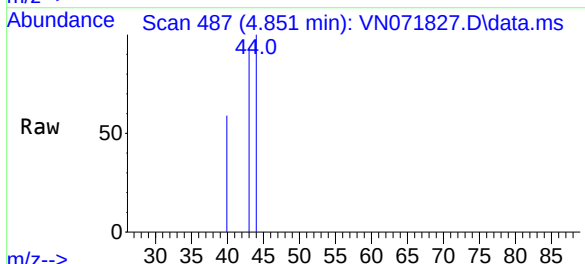
Instrument :
MSVOA_N
ClientSampleId :
MW-1DL

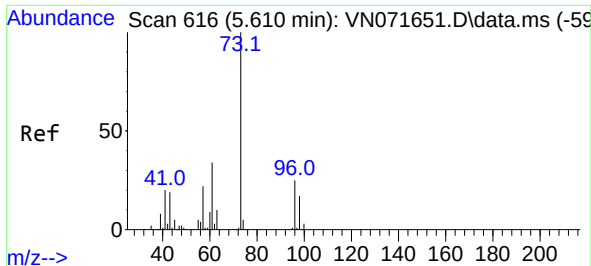
Tgt Ion: 43 Resp: 6988
Ion Ratio Lower Upper
43 100
58 13.1 26.0 39.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.851 min Scan# 487
Delta R.T. 0.005 min
Lab File: VN071827.D
Acq: 04 Apr 2022 13:01

Tgt Ion: 43 Resp: 894
Ion Ratio Lower Upper
43 100
74 29.6 21.6 32.4

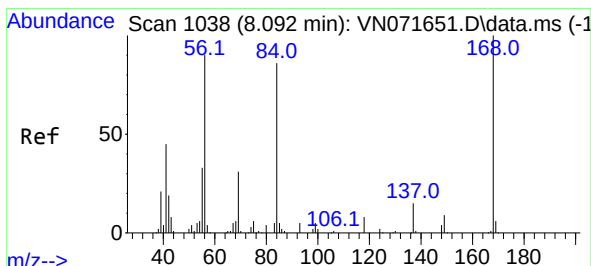
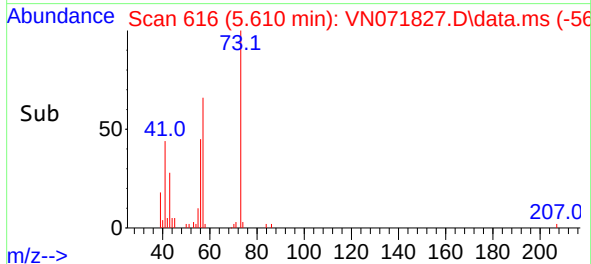
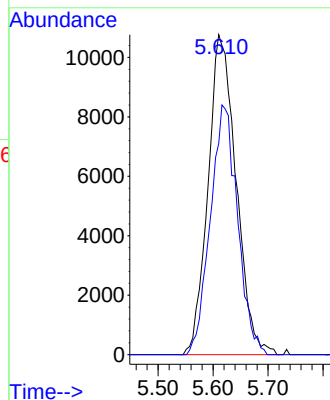
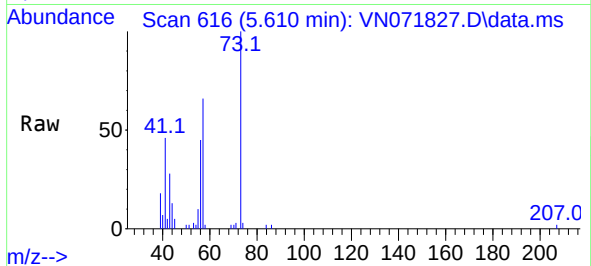




#19
Methyl tert-butyl Ether
Concen: 1.941 ug/l
RT: 5.610 min Scan# 616
Delta R.T. 0.000 min
Lab File: VN071827.D
Acq: 04 Apr 2022 13:01

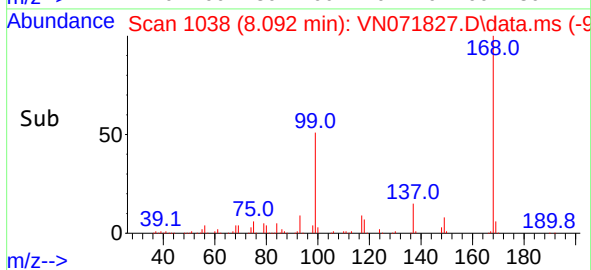
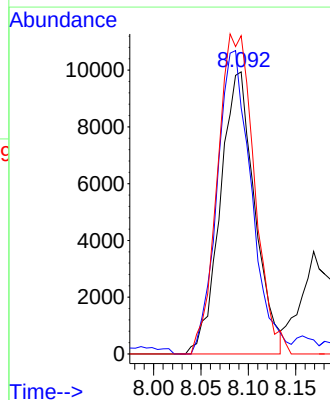
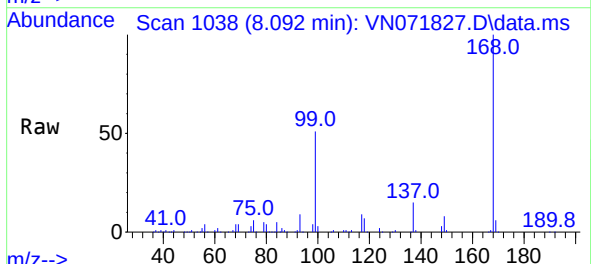
Instrument :
MSVOA_N
ClientSampleId :
MW-1DL

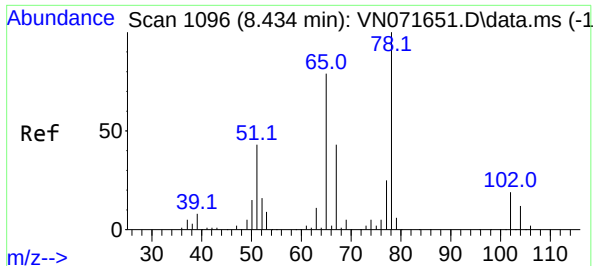
Tgt Ion: 73 Resp: 38214
Ion Ratio Lower Upper
73 100
57 66.1 17.6 26.4#



#31
Cyclohexane
Concen: 2.520 ug/l
RT: 8.092 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VN071827.D
Acq: 04 Apr 2022 13:01

Tgt Ion: 56 Resp: 25118
Ion Ratio Lower Upper
56 100
69 87.3 27.8 41.8#
84 112.8 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 49.673 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.000 min

Lab File: VN071827.D

Acq: 04 Apr 2022 13:01

Instrument :

MSVOA_N

ClientSampleId :

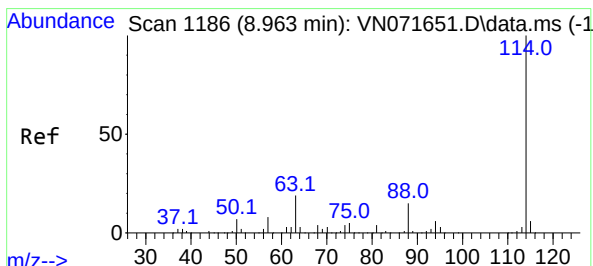
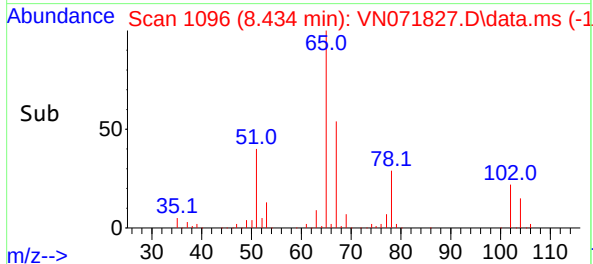
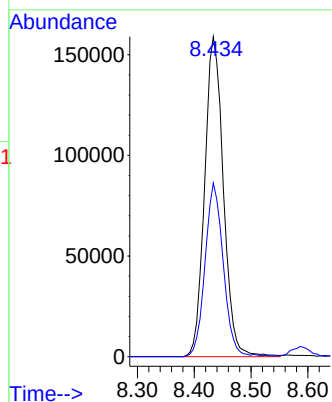
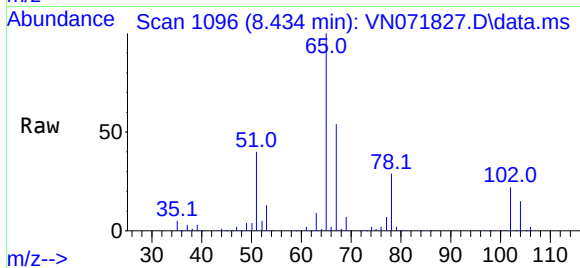
MW-1DL

Tgt Ion: 65 Resp: 364139

Ion Ratio Lower Upper

65 100

67 52.8 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN071827.D

Acq: 04 Apr 2022 13:01

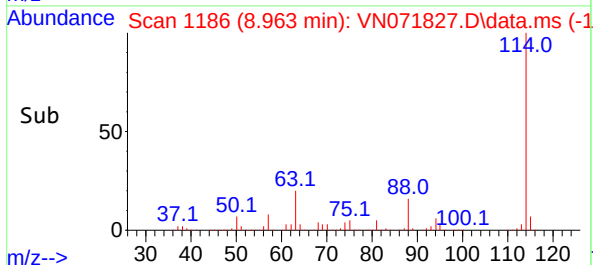
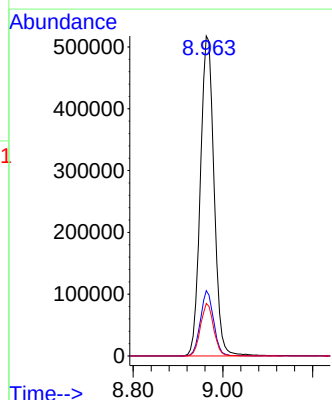
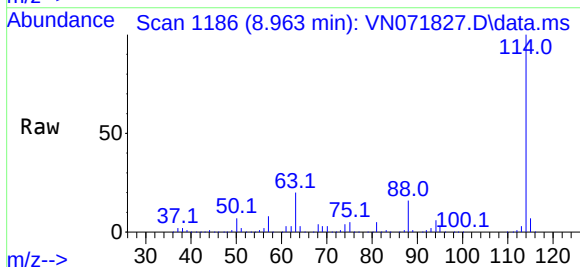
Tgt Ion: 114 Resp: 1095297

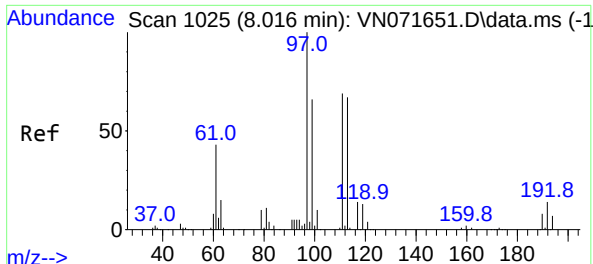
Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.0

88 16.4 0.0 32.6

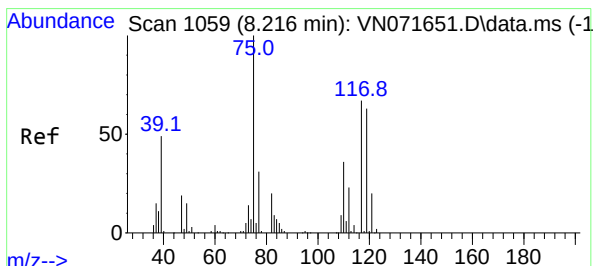
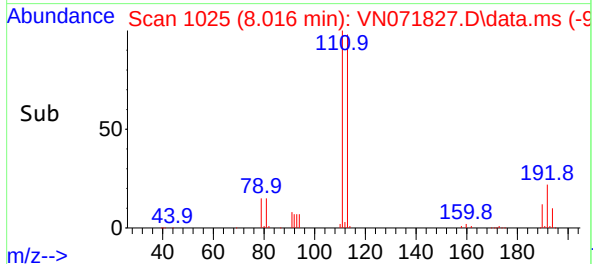
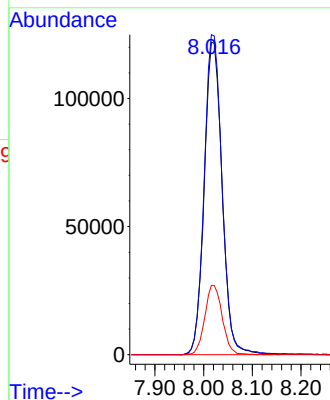
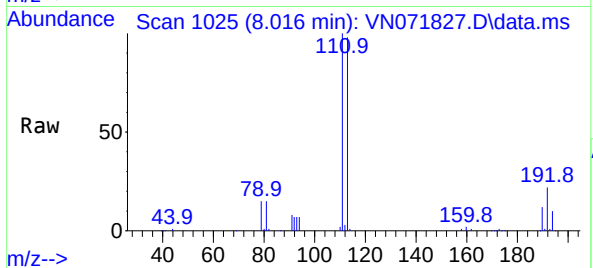




#35
Dibromofluoromethane
Concen: 48.168 ug/l
RT: 8.016 min Scan# 1035
Delta R.T. -0.000 min
Lab File: VN071827.D
Acq: 04 Apr 2022 13:01

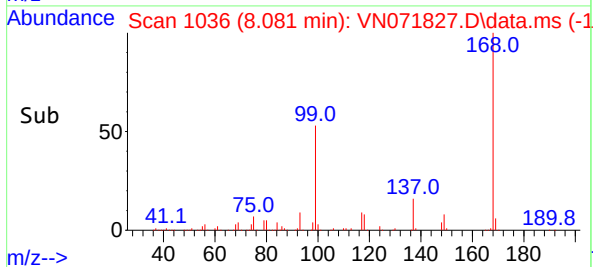
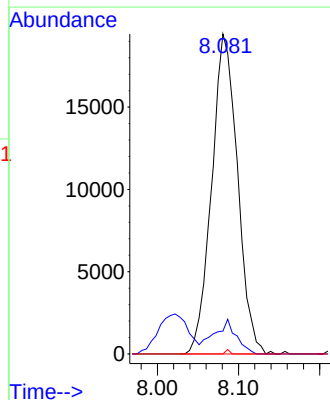
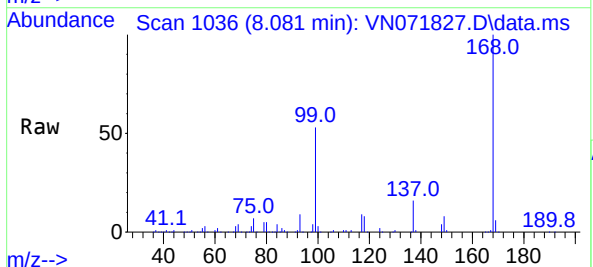
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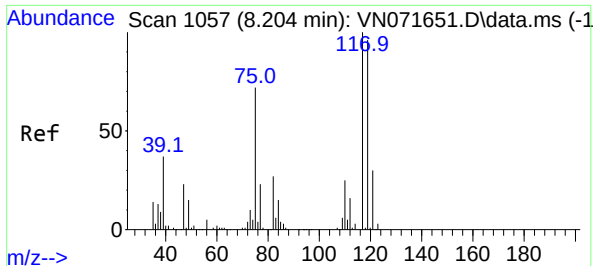
Tgt Ion:113 Resp: 310454
Ion Ratio Lower Upper
113 100
111 102.3 81.4 122.0
192 21.6 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.783 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071827.D
Acq: 04 Apr 2022 13:01

Tgt Ion: 75 Resp: 43046
Ion Ratio Lower Upper
75 100
110 9.4 18.3 54.8#
77 0.0 25.1 37.7#

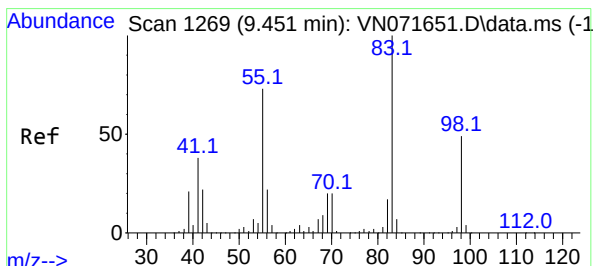
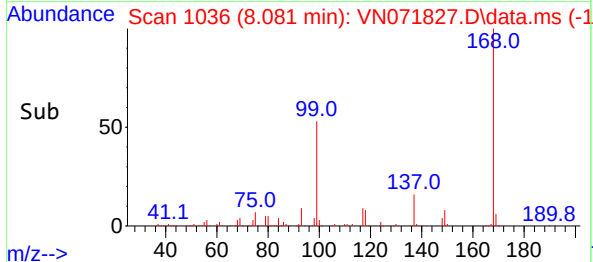
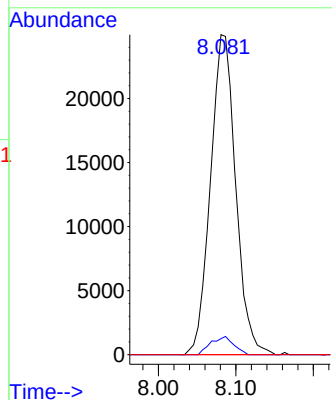
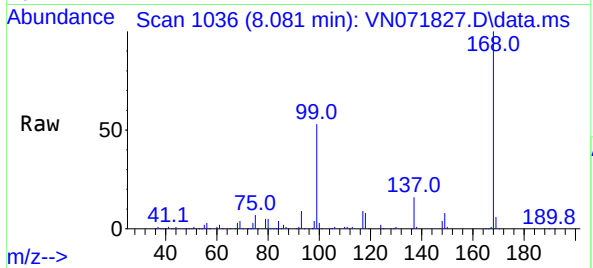




#38
Carbon Tetrachloride
Concen: 6.413 ug/l
RT: 8.081 min Scan# 117
Delta R.T. -0.123 min
Lab File: VN071827.D
Acq: 04 Apr 2022 13:01

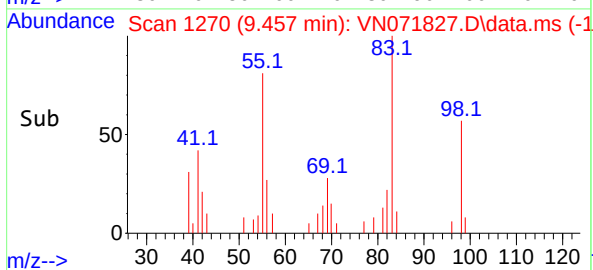
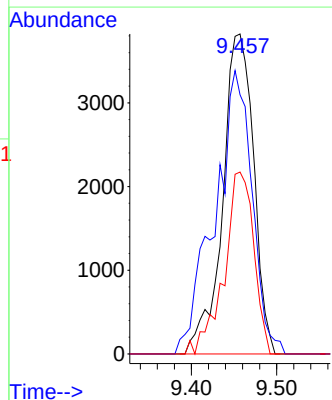
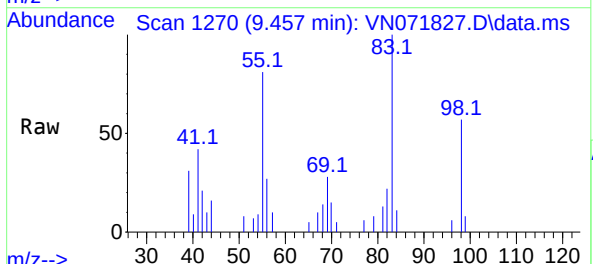
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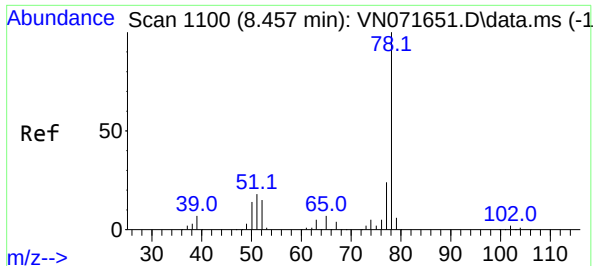
Tgt Ion:117 Resp: 56567
Ion Ratio Lower Upper
117 100
119 5.0 75.8 113.8#
121 0.0 24.6 37.0#



#39
Methylcyclohexane
Concen: 0.904 ug/l
RT: 9.457 min Scan# 1270
Delta R.T. 0.006 min
Lab File: VN071827.D
Acq: 04 Apr 2022 13:01

Tgt Ion: 83 Resp: 9681
Ion Ratio Lower Upper
83 100
55 77.1 57.8 86.8
98 56.8 39.4 59.2

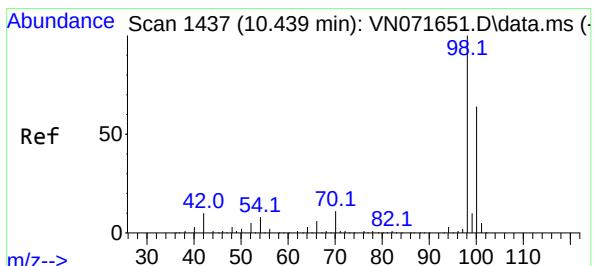
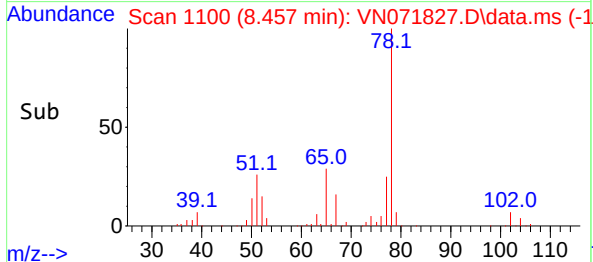
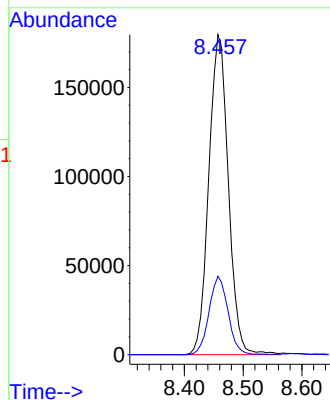
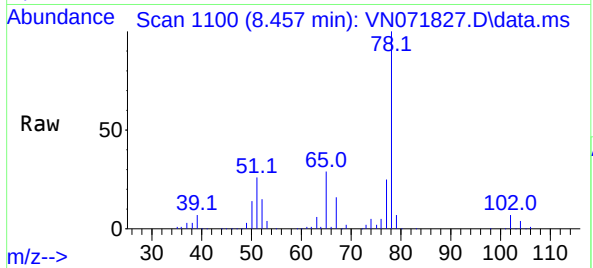




#40
Benzene
Concen: 14.599 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VN071827.D
Acq: 04 Apr 2022 13:01

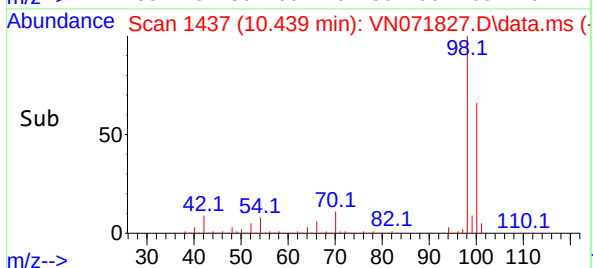
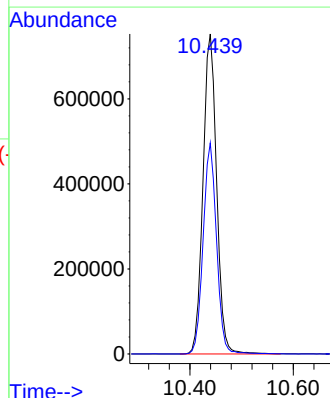
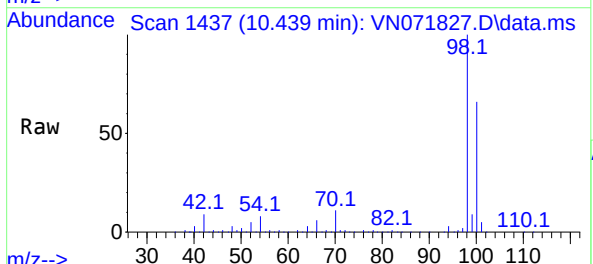
Instrument :
MSVOA_N
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MW-1DL

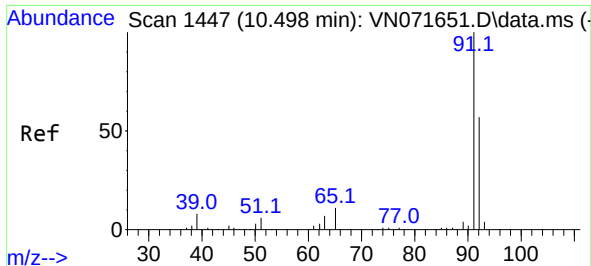
Tgt Ion: 78 Resp: 415079
Ion Ratio Lower Upper
78 100
77 24.5 19.4 29.0



#50
Toluene-d8
Concen: 52.200 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071827.D
Acq: 04 Apr 2022 13:01

Tgt Ion: 98 Resp: 1376289
Ion Ratio Lower Upper
98 100
100 64.8 52.6 78.8

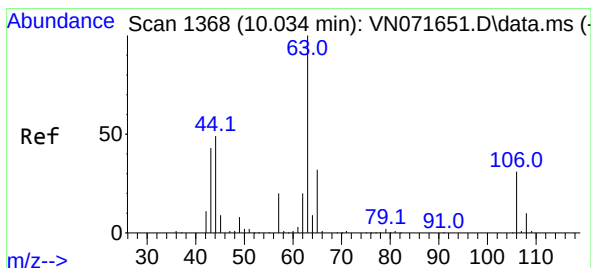
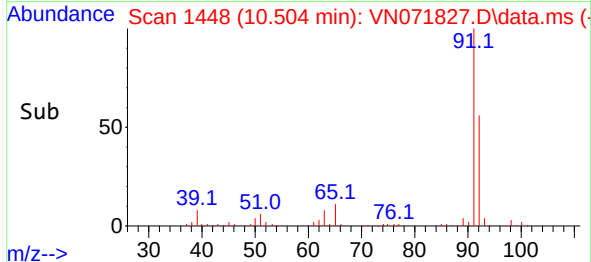
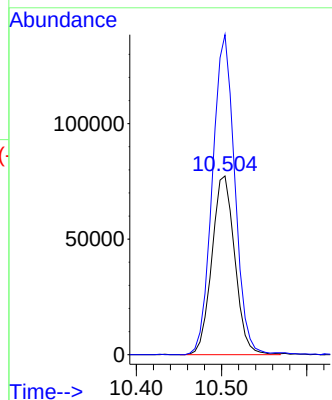
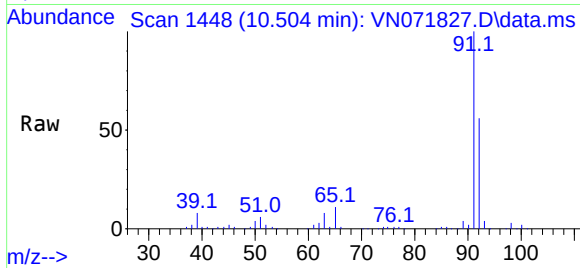




#52
Toluene
Concen: 8.032 ug/l
RT: 10.504 min Scan# 1447
Delta R.T. 0.006 min
Lab File: VN071827.D
Acq: 04 Apr 2022 13:01

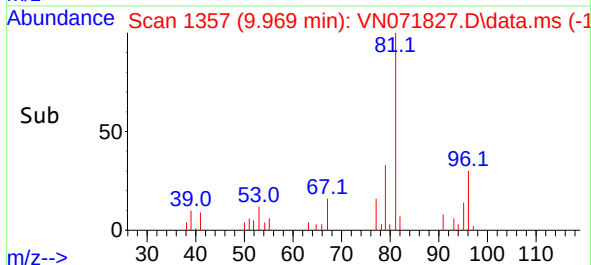
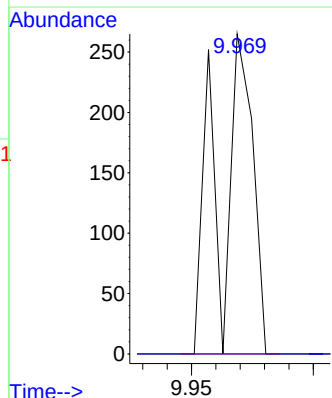
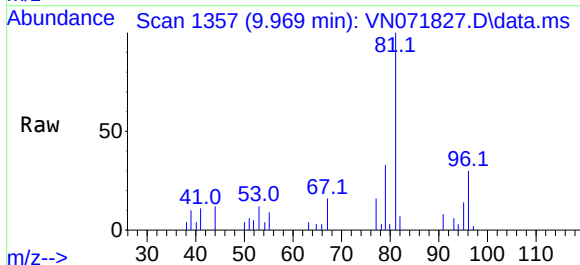
Instrument :
MSVOA_N
ClientSampleId :
MW-1DL

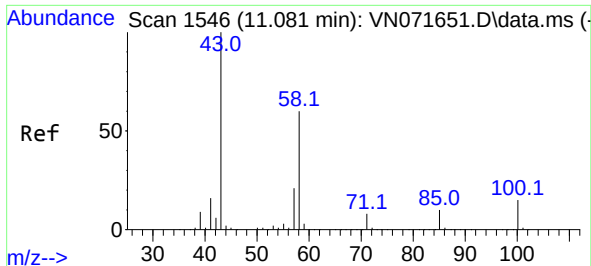
Tgt Ion: 92 Resp: 144354
Ion Ratio Lower Upper
92 100
91 176.0 138.6 207.8



#58
2-Chloroethyl Vinyl ether
Concen: 17.039 ug/l
RT: 9.969 min Scan# 1357
Delta R.T. -0.065 min
Lab File: VN071827.D
Acq: 04 Apr 2022 13:01

Tgt Ion: 63 Resp: 251
Ion Ratio Lower Upper
63 100
106 0.0 24.6 36.8#





#59

2-Hexanone

Concen: 0.213 ug/l

RT: 11.086 min Scan# 11

Delta R.T. 0.005 min

Lab File: VN071827.D

Acq: 04 Apr 2022 13:01

Instrument :

MSVOA_N

ClientSampleId :

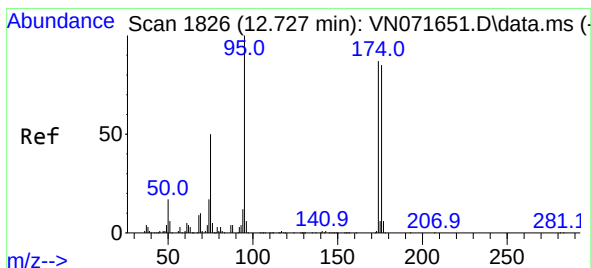
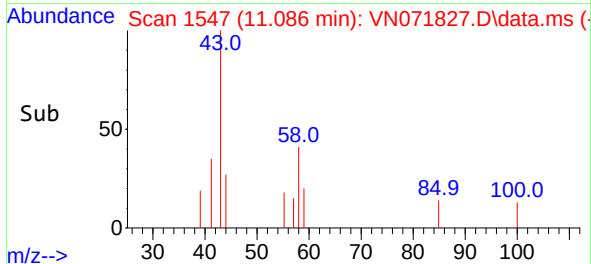
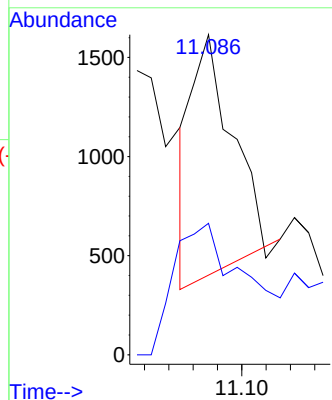
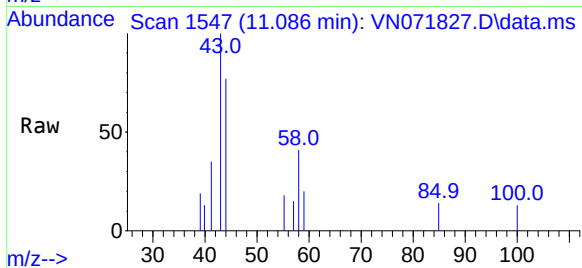
MW-1DL

Tgt Ion: 43 Resp: 1415

Ion Ratio Lower Upper

43 100

58 98.5 29.7 89.1#



#62

4-Bromofluorobenzene

Concen: 58.863 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. 0.000 min

Lab File: VN071827.D

Acq: 04 Apr 2022 13:01

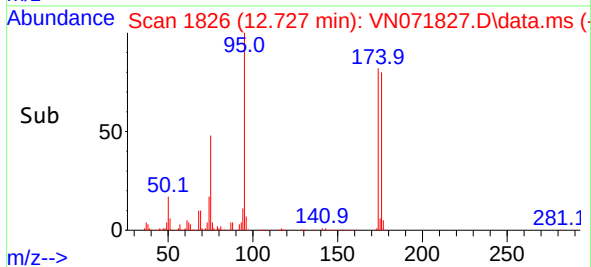
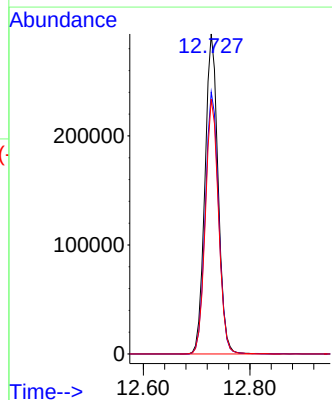
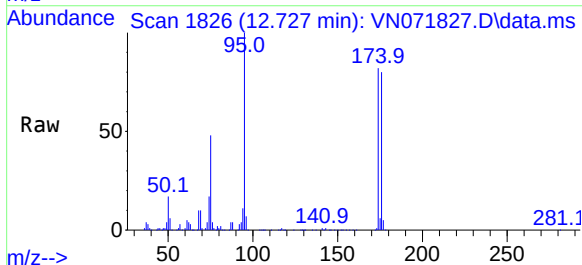
Tgt Ion: 95 Resp: 501927

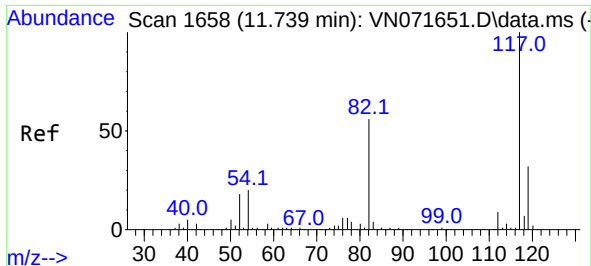
Ion Ratio Lower Upper

95 100

174 82.9 0.0 167.6

176 79.5 0.0 163.4

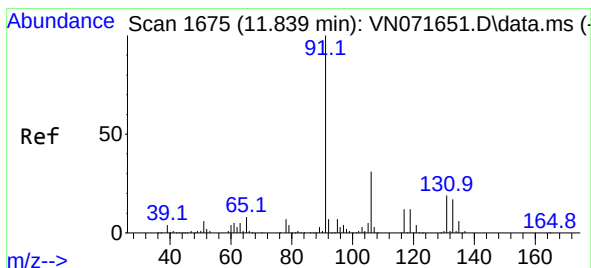
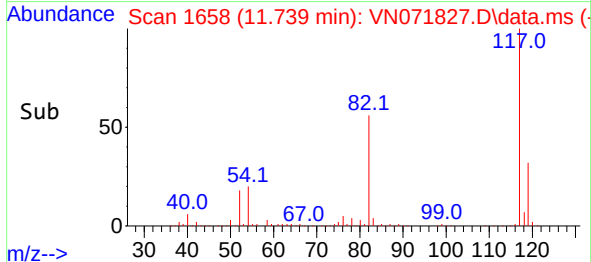
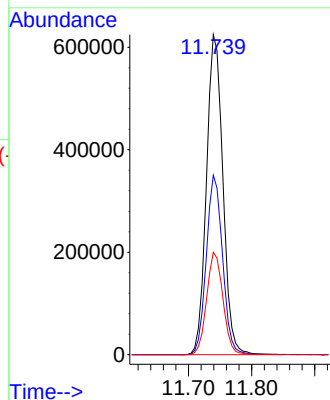
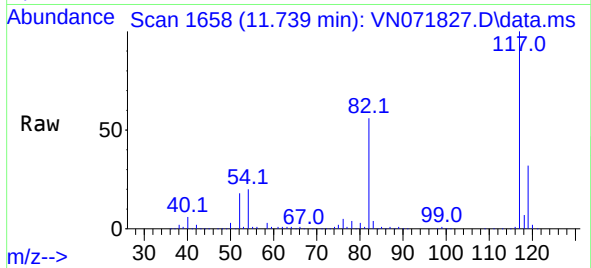




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071827.D
Acq: 04 Apr 2022 13:01

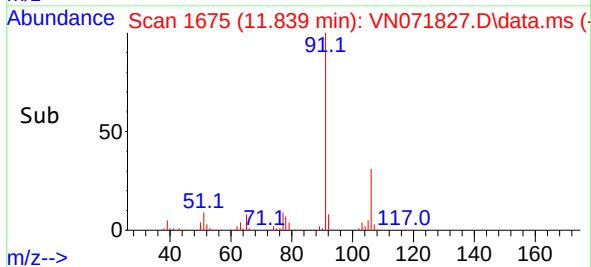
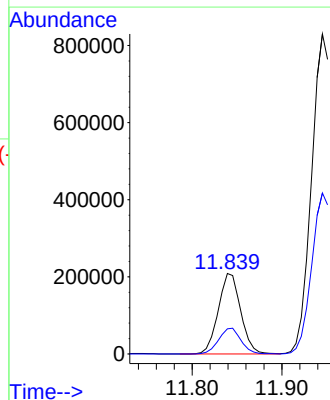
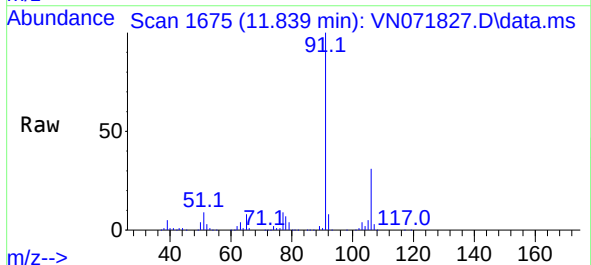
Instrument :
MSVOA_N
ClientSampleId :
MW-1DL

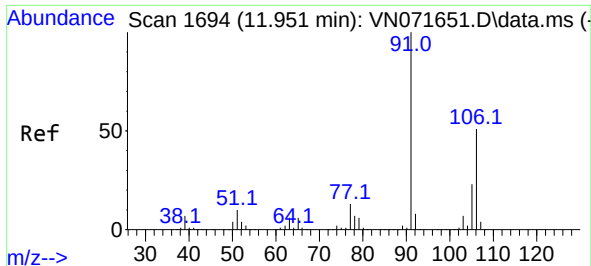
Tgt Ion:117 Resp: 1127827
Ion Ratio Lower Upper
117 100
82 56.1 44.2 66.2
119 32.0 25.4 38.0



#67
Ethyl Benzene
Concen: 9.465 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VN071827.D
Acq: 04 Apr 2022 13:01

Tgt Ion: 91 Resp: 361859
Ion Ratio Lower Upper
91 100
106 31.1 24.9 37.3

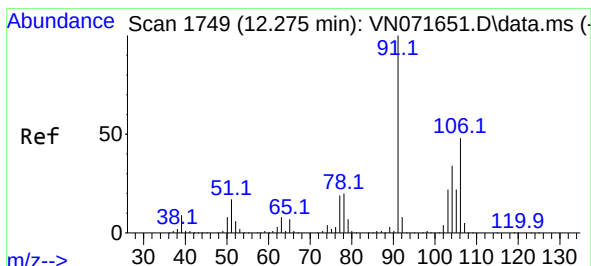
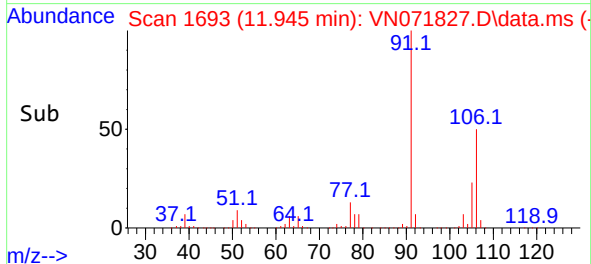
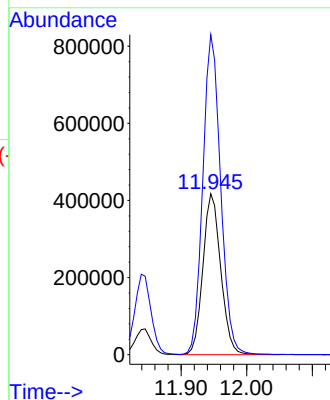
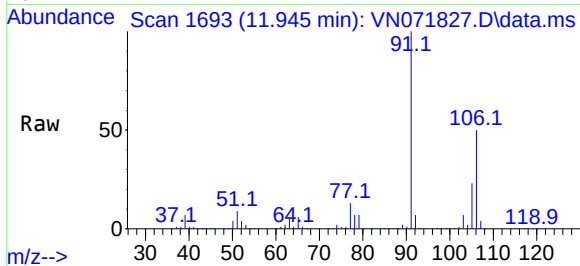




#68
m/p-Xylenes
Concen: 53.672 ug/l
RT: 11.945 min Scan# 1693
Delta R.T. -0.006 min
Lab File: VN071827.D
Acq: 04 Apr 2022 13:01

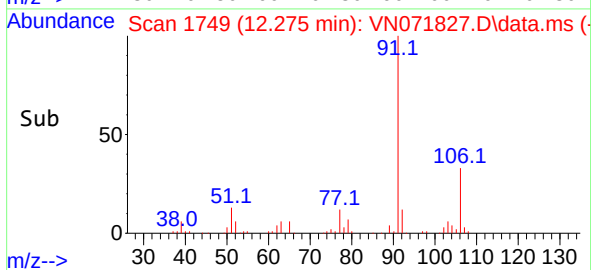
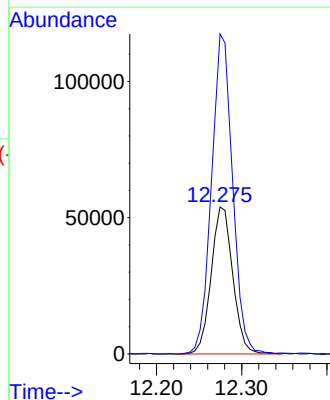
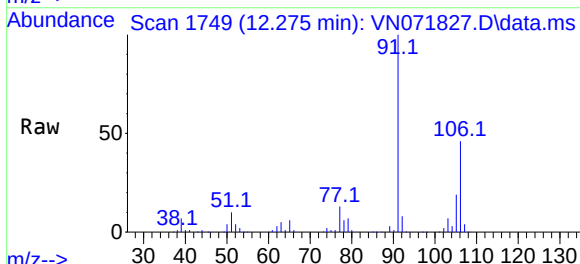
Instrument :
MSVOA_N
ClientSampleId :
MW-1DL

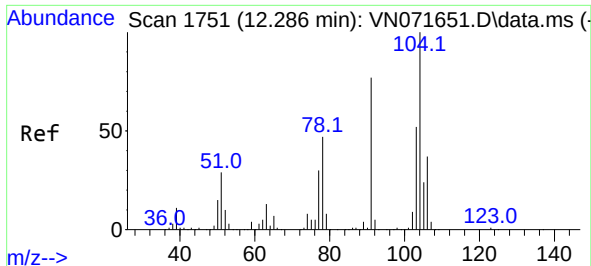
Tgt Ion:106 Resp: 788392
Ion Ratio Lower Upper
106 100
91 199.2 158.9 238.3



#69
o-Xylene
Concen: 6.528 ug/l
RT: 12.275 min Scan# 1749
Delta R.T. -0.001 min
Lab File: VN071827.D
Acq: 04 Apr 2022 13:01

Tgt Ion:106 Resp: 95171
Ion Ratio Lower Upper
106 100
91 213.0 106.0 318.0

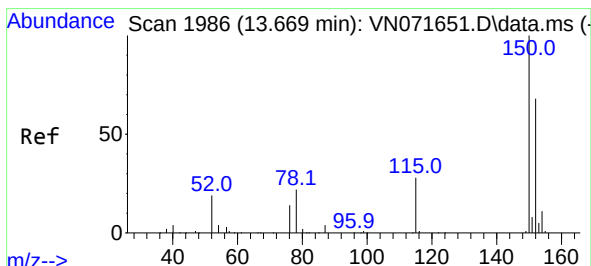
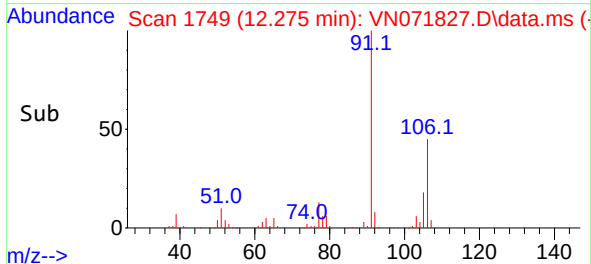
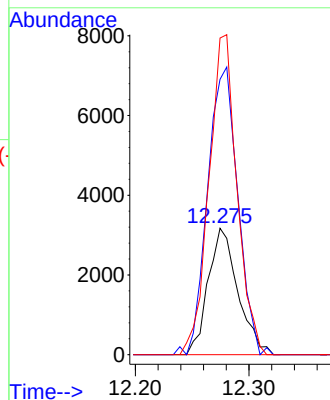
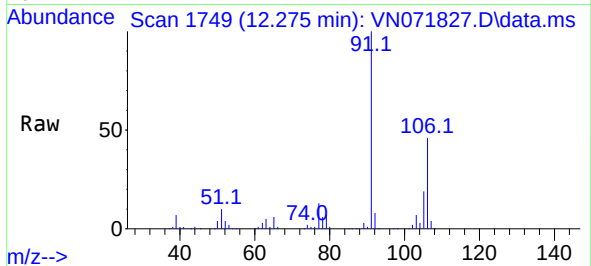




#70
Styrene
Concen: 0.262 ug/l
RT: 12.275 min Scan# 11
Delta R.T. -0.011 min
Lab File: VN071827.D
Acq: 04 Apr 2022 13:01

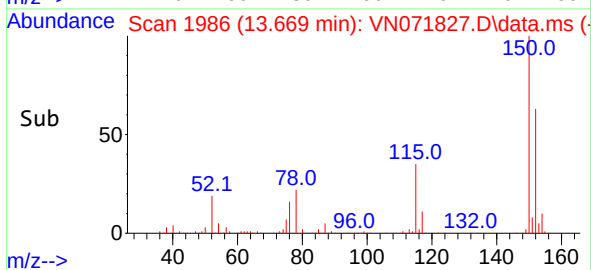
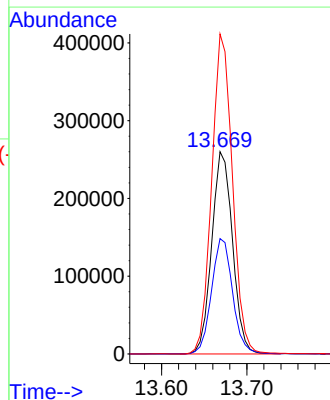
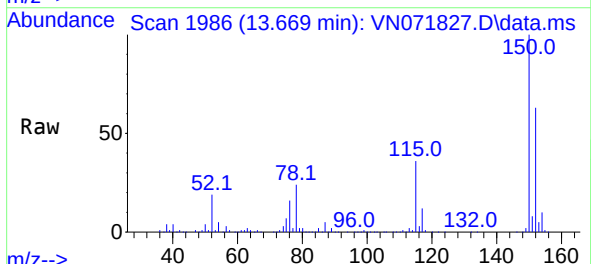
Instrument :
MSVOA_N
ClientSampleId :
MW-1DL

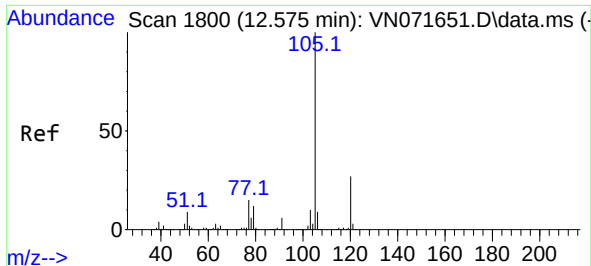
Tgt Ion:104 Resp: 5784
Ion Ratio Lower Upper
104 100
78 230.6 39.5 59.3#
103 238.1 44.0 66.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN071827.D
Acq: 04 Apr 2022 13:01

Tgt Ion:152 Resp: 441529
Ion Ratio Lower Upper
152 100
115 58.0 28.9 86.7
150 157.7 0.0 356.2

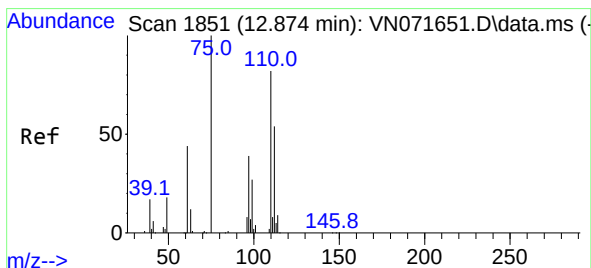
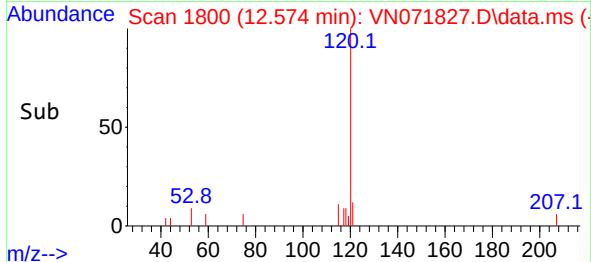
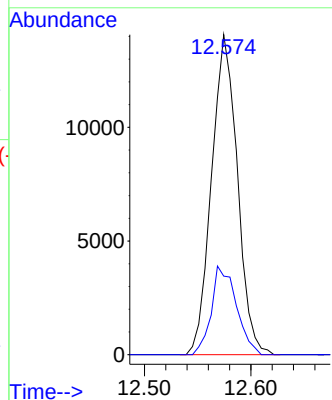
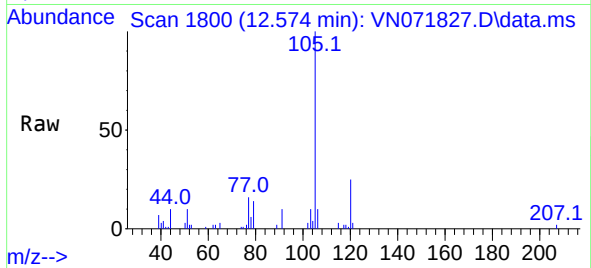




#73
Isopropylbenzene
Concen: 0.637 ug/l
RT: 12.574 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN071827.D
Acq: 04 Apr 2022 13:01

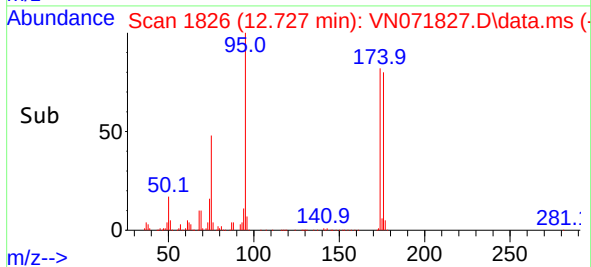
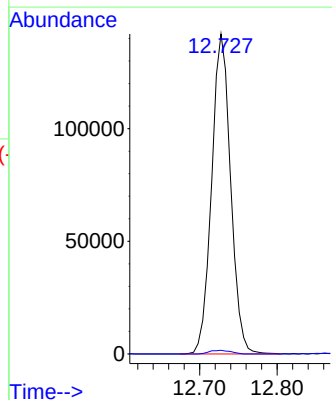
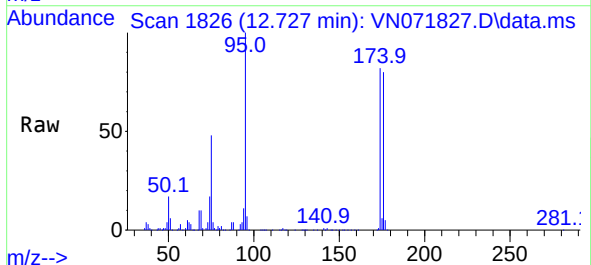
Instrument :
MSVOA_N
ClientSampleId :
MW-1DL

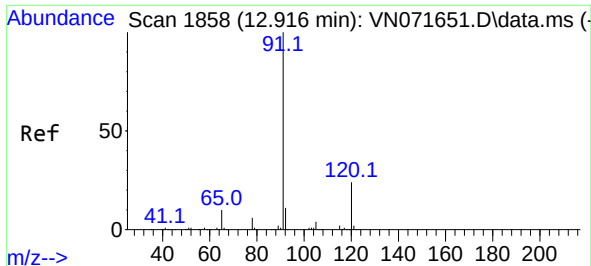
Tgt Ion:105 Resp: 23708
Ion Ratio Lower Upper
105 100
120 26.8 13.5 40.4



#76
1,2,3-Trichloropropane
Concen: 23.627 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071827.D
Acq: 04 Apr 2022 13:01

Tgt Ion: 75 Resp: 241668
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#

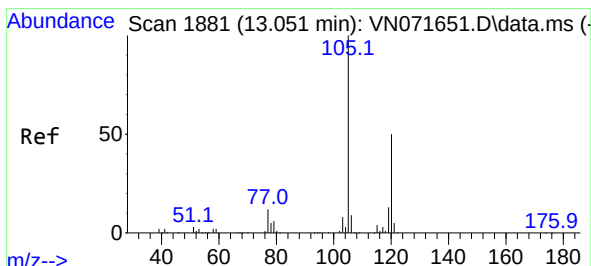
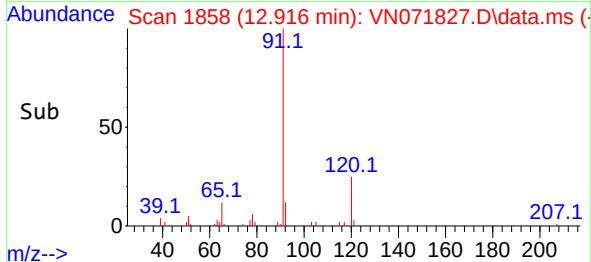
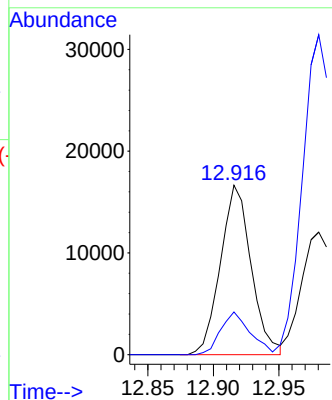
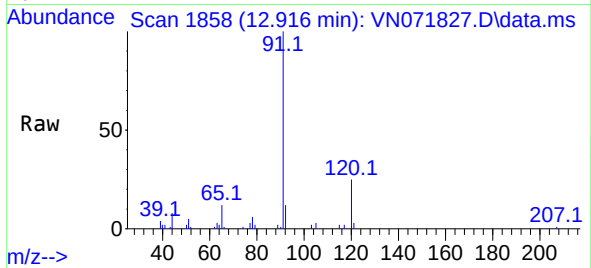




#78
n-propylbenzene
Concen: 0.694 ug/l
RT: 12.916 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VN071827.D
Acq: 04 Apr 2022 13:01

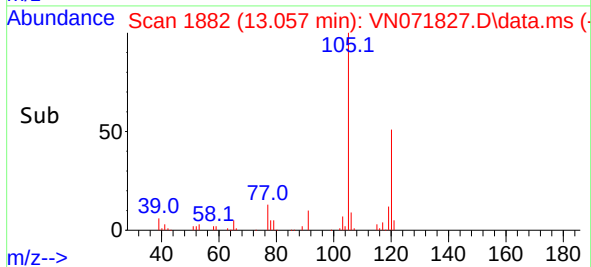
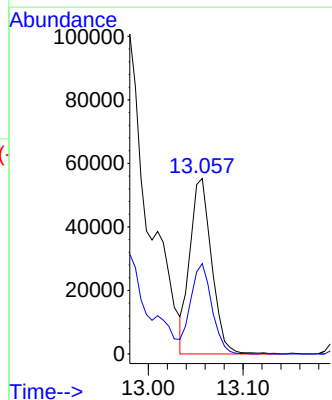
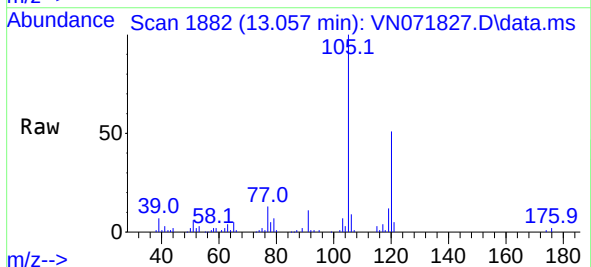
Instrument :
MSVOA_N
ClientSampleId :
MW-1DL

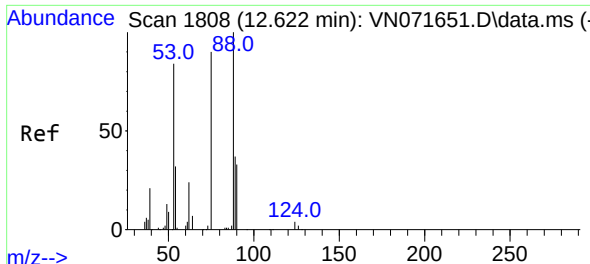
Tgt Ion: 91 Resp: 27154
Ion Ratio Lower Upper
91 100
120 24.3 11.9 35.5



#80
1,3,5-Trimethylbenzene
Concen: 2.989 ug/l
RT: 13.057 min Scan# 1882
Delta R.T. 0.006 min
Lab File: VN071827.D
Acq: 04 Apr 2022 13:01

Tgt Ion: 105 Resp: 88113
Ion Ratio Lower Upper
105 100
120 50.3 24.9 74.7

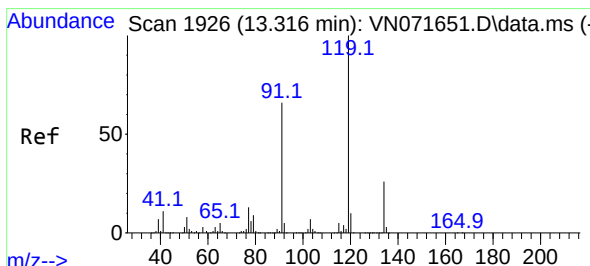
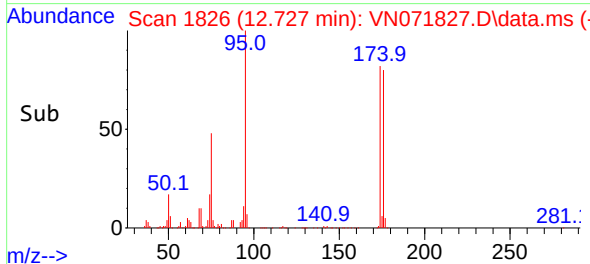
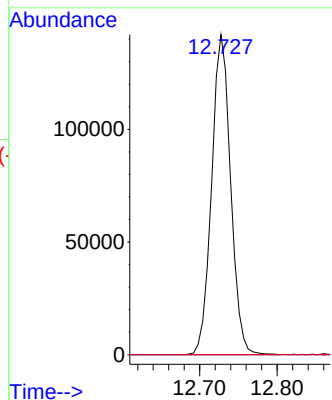
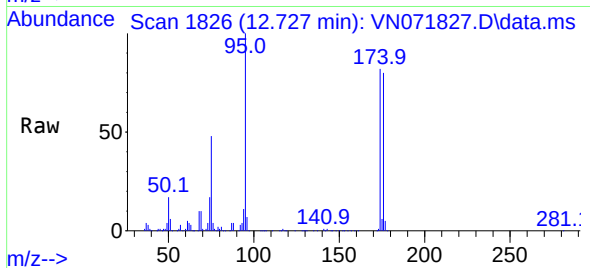




#81
trans-1,4-Dichloro-2-butene
Concen: 73.220 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN071827.D
Acq: 04 Apr 2022 13:01

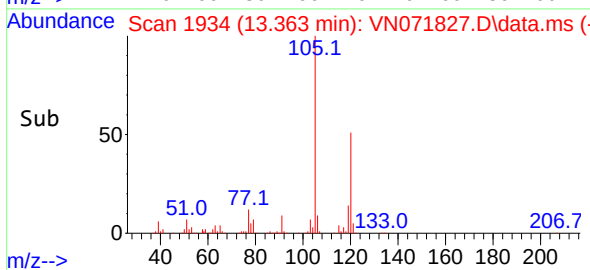
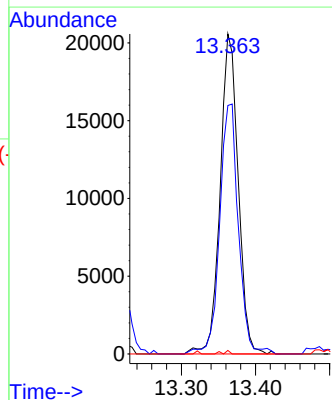
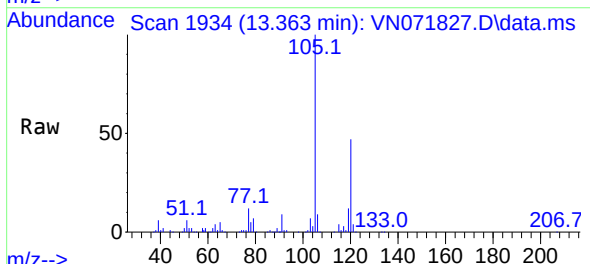
Instrument :
MSVOA_N
ClientSampleId :
MW-1DL

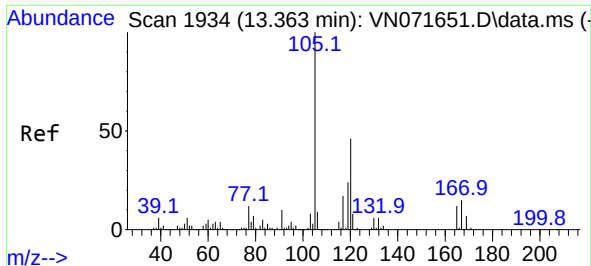
Tgt Ion: 75 Resp: 241668
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#83
tert-Butylbenzene
Concen: 1.289 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. 0.047 min
Lab File: VN071827.D
Acq: 04 Apr 2022 13:01

Tgt Ion: 119 Resp: 34738
Ion Ratio Lower Upper
119 100
91 81.1 31.6 94.8
134 0.2 13.7 41.1#

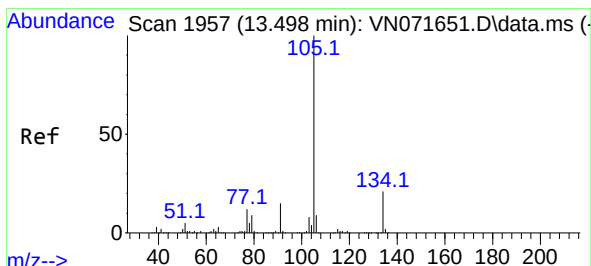
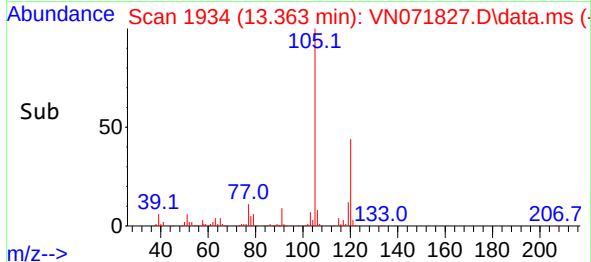
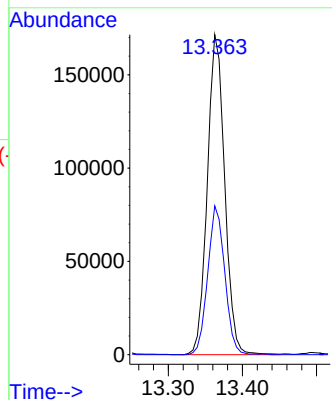
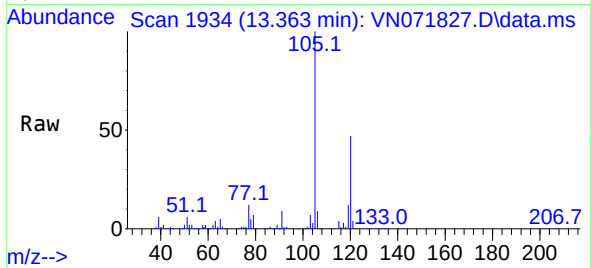




#84
1,2,4-Trimethylbenzene
Concen: 9.720 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VN071827.D
Acq: 04 Apr 2022 13:01

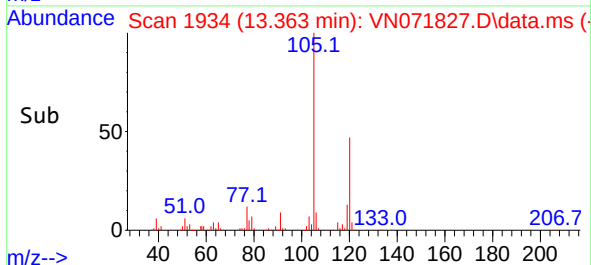
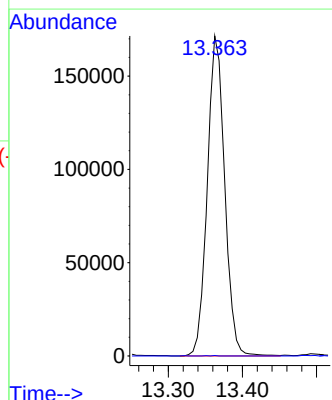
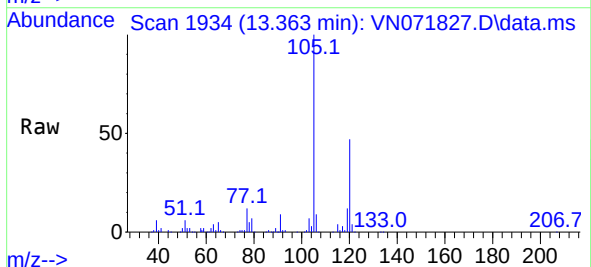
Instrument :
MSVOA_N
ClientSampleId :
MW-1DL

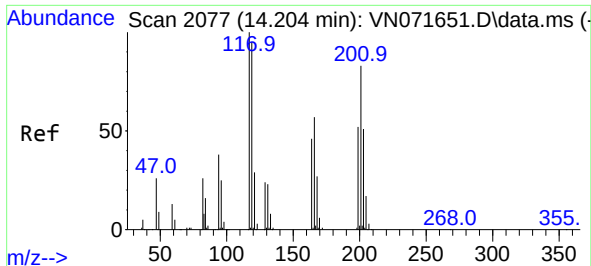
Tgt Ion:105 Resp: 279561
Ion Ratio Lower Upper
105 100
120 45.7 23.3 69.8



#85
sec-Butylbenzene
Concen: 8.003 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. -0.135 min
Lab File: VN071827.D
Acq: 04 Apr 2022 13:01

Tgt Ion:105 Resp: 279561
Ion Ratio Lower Upper
105 100
134 0.0 10.4 31.1#

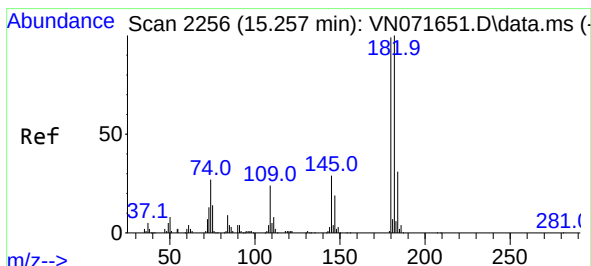
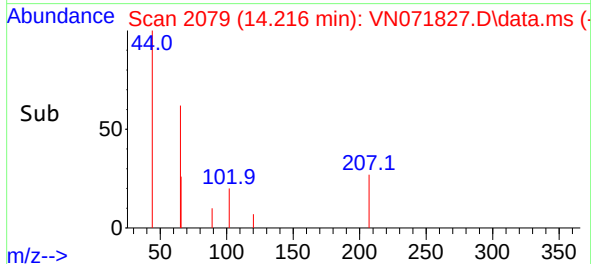
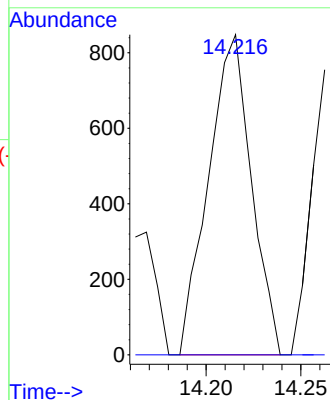
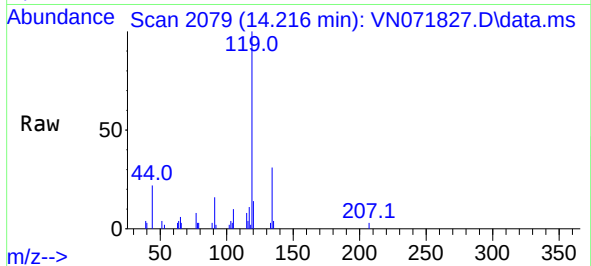




#90
Hexachloroethane
Concen: 0.262 ug/l
RT: 14.216 min Scan# 2077
Delta R.T. 0.012 min
Lab File: VN071827.D
Acq: 04 Apr 2022 13:01

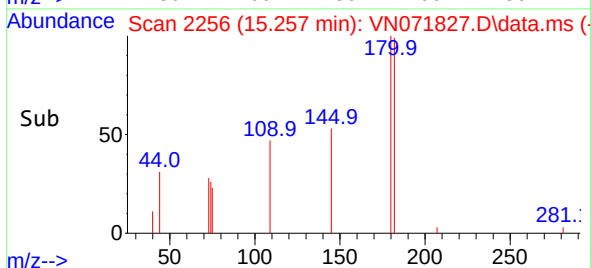
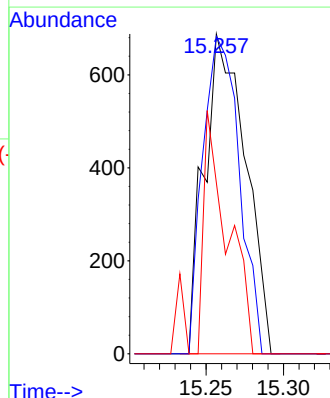
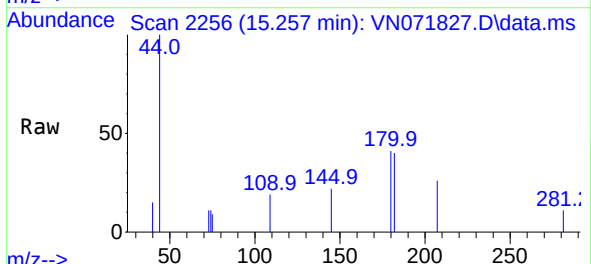
Instrument :
MSVOA_N
ClientSampleId :
MW-1DL

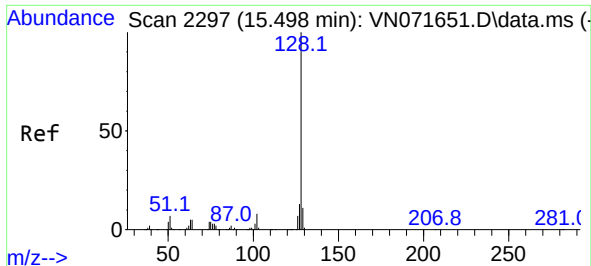
Tgt Ion:117 Resp: 1337
Ion Ratio Lower Upper
117 100
201 0.0 40.6 122.0#



#93
1,2,4-Trichlorobenzene
Concen: 2.260 ug/l
RT: 15.257 min Scan# 2256
Delta R.T. -0.000 min
Lab File: VN071827.D
Acq: 04 Apr 2022 13:01

Tgt Ion:180 Resp: 1278
Ion Ratio Lower Upper
180 100
182 87.6 47.5 142.5
145 48.4 14.5 43.5#

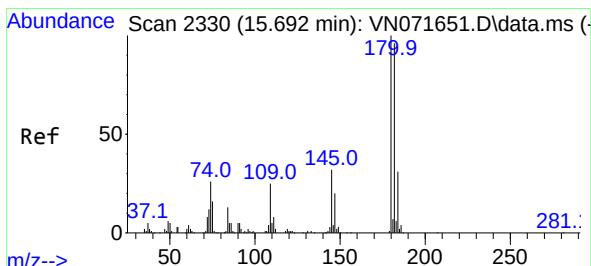
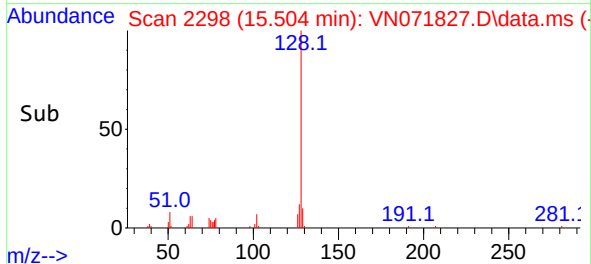
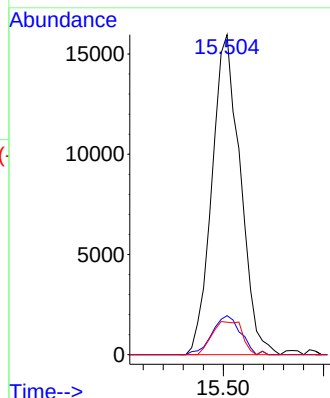
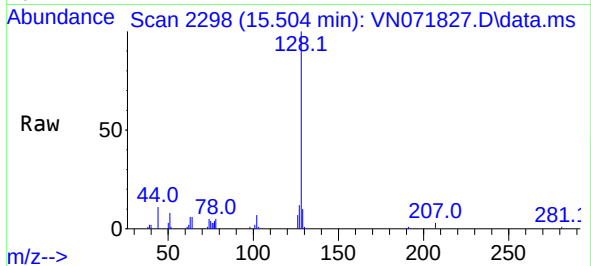




#95
Naphthalene
Concen: 5.245 ug/l
RT: 15.504 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN071827.D
Acq: 04 Apr 2022 13:01

Instrument :
MSVOA_N
ClientSampleId :
MW-1DL

Tgt Ion:	128	Resp:	31383
Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.3	15.5
129	11.2	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 2.621 ug/l
RT: 15.692 min Scan# 2330
Delta R.T. -0.000 min
Lab File: VN071827.D
Acq: 04 Apr 2022 13:01

Tgt Ion:	180	Resp:	1477
Ion	Ratio	Lower	Upper
180	100		
182	76.4	47.8	143.3
145	29.8	15.5	46.5

