

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042122\
 Data File : VN072135.D
 Acq On : 21 Apr 2022 19:09
 Operator : JC\MD
 Sample : N2481-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-26R

Quant Time: Apr 22 01:26:27 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)

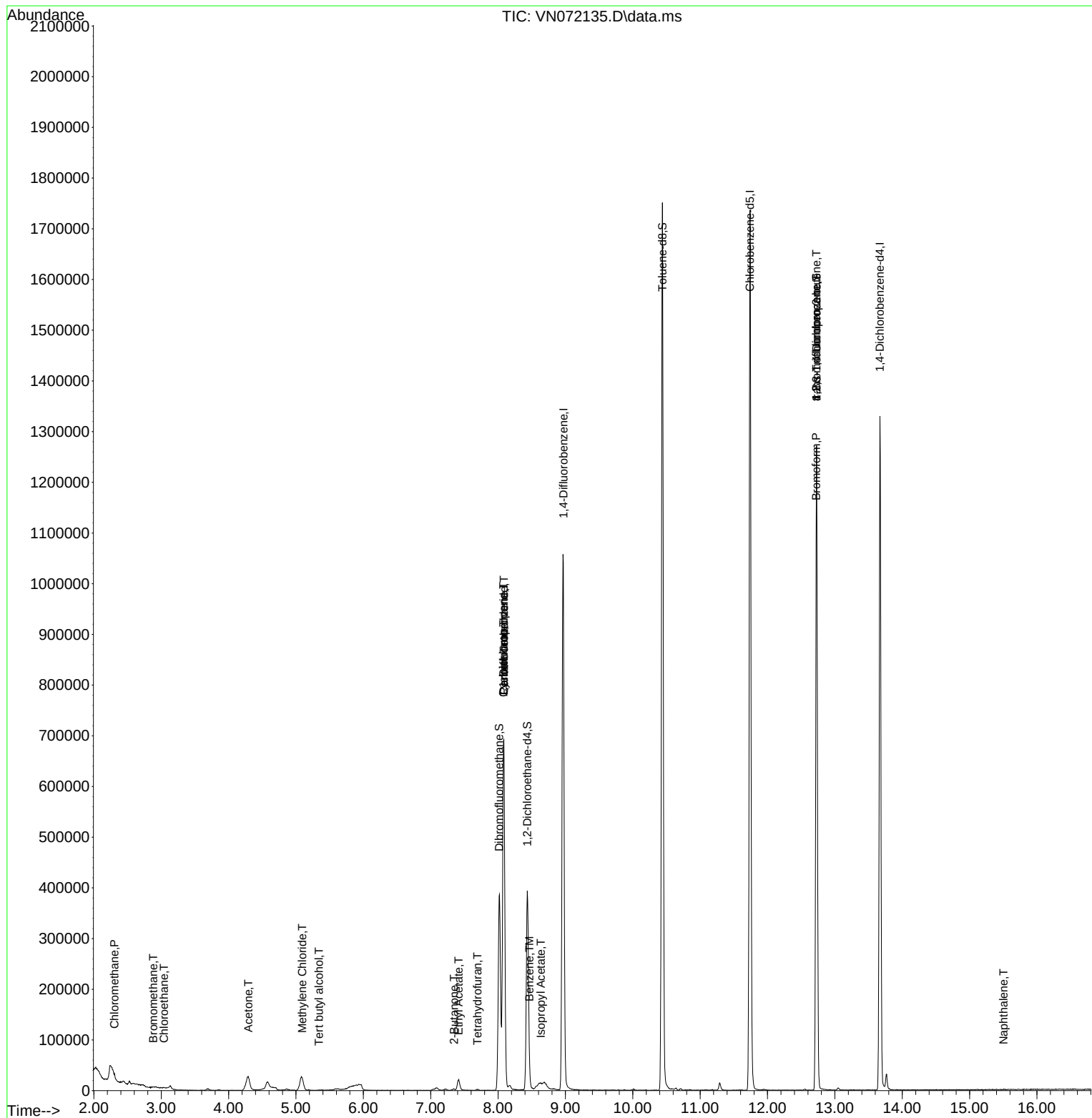
Internal Standards						
1) Pentafluorobenzene	8.086	168	592211	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.969	114	1018231	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1098830	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	399058	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	319516	47.260	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.520%		
35) Dibromofluoromethane	8.016	113	291047	48.575	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.140%		
50) Toluene-d8	10.439	98	1287354	52.522	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	105.040%		
62) 4-Bromofluorobenzene	12.727	95	458518	57.842	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	115.680%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.304	50	1862	0.312	ug/l #	73
5) Bromomethane	2.881	94	941	0.221	ug/l #	60
6) Chloroethane	3.040	64	1862	0.395	ug/l #	72
11) Tert butyl alcohol	5.339	59	845	0.770	ug/l #	72
16) Acetone	4.292	43	46503	16.095	ug/l	94
18) Methyl Acetate	4.857	43	5244	Below Cal	#	70
20) Methylene Chloride	5.092	84	1600	0.263	ug/l #	71
25) 2-Butanone	7.345	43	3849	0.924	ug/l #	73
29) Tetrahydrofuran	7.692	42	1306	0.484	ug/l #	76
31) Cyclohexane	8.080	56	10734	1.167	ug/l #	1
36) 1,1-Dichloropropene	8.080	75	38683	4.623	ug/l #	49
37) Ethyl Acetate	7.416	43	33964	3.709	ug/l	96
38) Carbon Tetrachloride	8.086	117	51642	6.298	ug/l #	16
40) Benzene	8.463	78	16259	0.615	ug/l	94
43) Isopropyl Acetate	8.633	43	21001	1.379	ug/l #	53
71) Bromoform	12.721	173	1352	0.224	ug/l #	28
76) 1,2,3-Trichloropropane	12.727	75	216463	23.415	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	216463	72.563	ug/l #	10
95) Naphthalene	15.503	128	334	3.820	ug/l #	69

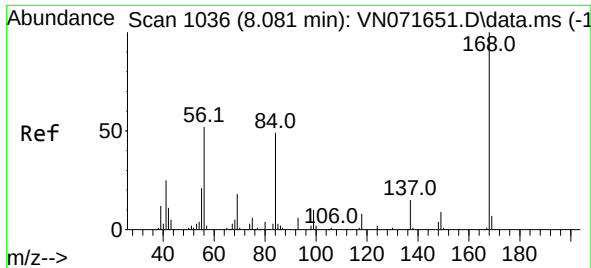
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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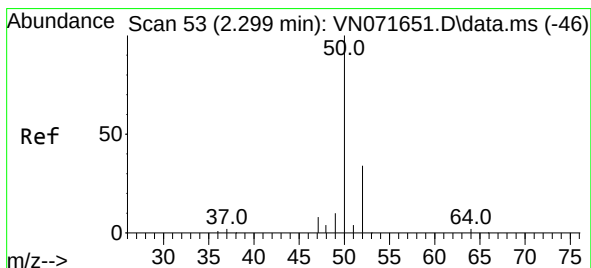
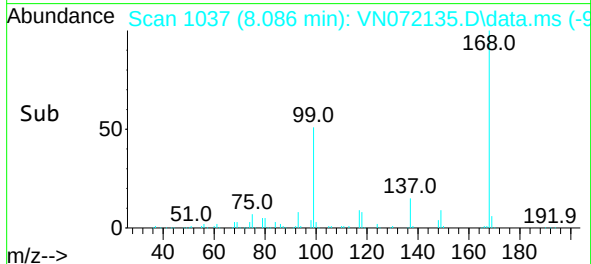
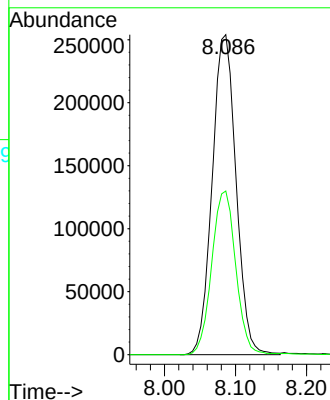
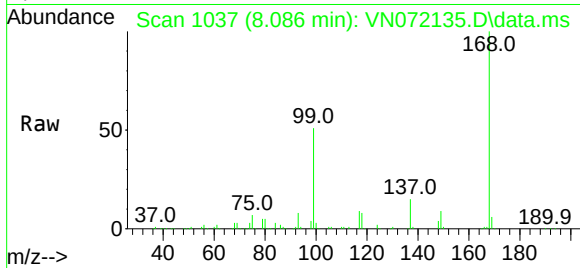




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 1
Delta R.T. 0.005 min
Lab File: VN072135.D
Acq: 21 Apr 2022 19:09

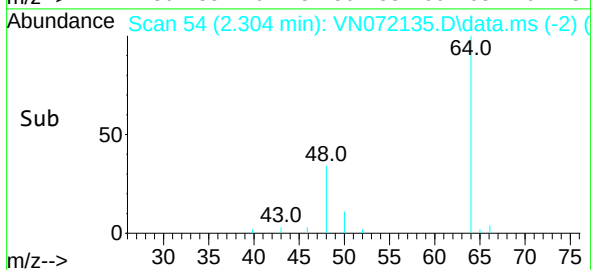
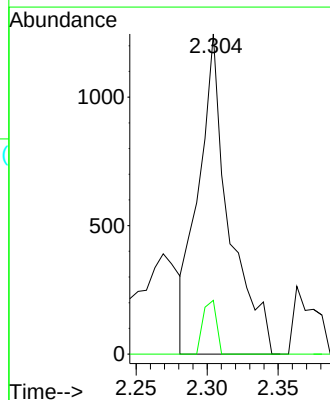
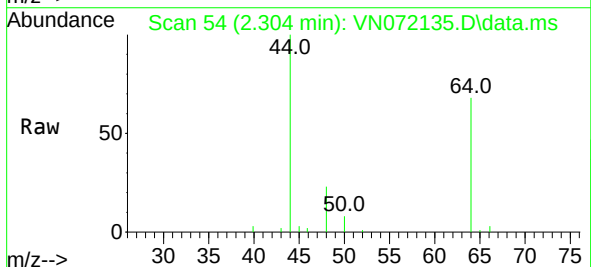
Instrument :
MSVOA_N
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MW-26R

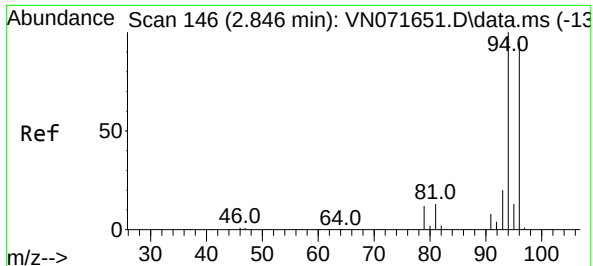
Tgt Ion:168 Resp: 592211
Ion Ratio Lower Upper
168 100
99 51.2 42.3 63.5



#3
Chloromethane
Concen: 0.312 ug/l
RT: 2.304 min Scan# 54
Delta R.T. 0.005 min
Lab File: VN072135.D
Acq: 21 Apr 2022 19:09

Tgt Ion: 50 Resp: 1862
Ion Ratio Lower Upper
50 100
52 16.8 25.7 38.5#





#5

Bromomethane

Concen: 0.221 ug/l

RT: 2.881 min Scan# 1

Delta R.T. 0.035 min

Lab File: VN072135.D

Acq: 21 Apr 2022 19:09

Instrument :

MSVOA_N

ClientSampleId :

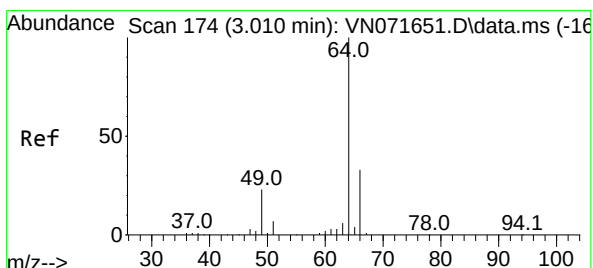
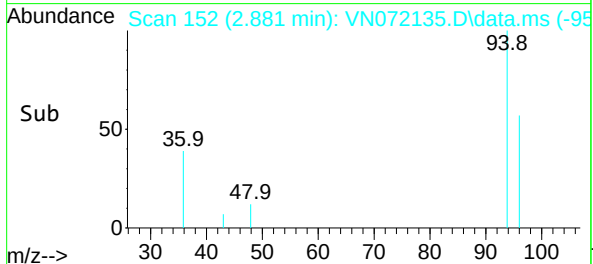
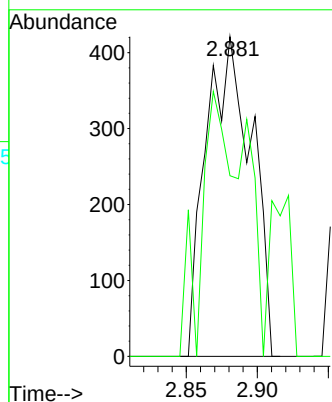
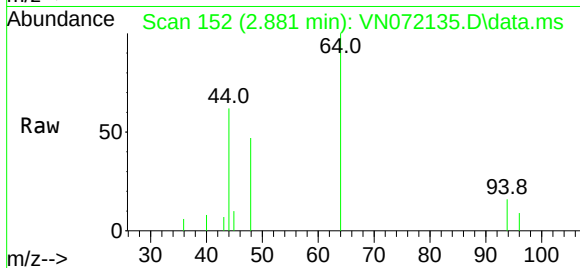
MW-26R

Tgt Ion: 94 Resp: 941

Ion Ratio Lower Upper

94 100

96 56.5 76.0 114.0#



#6

Chloroethane

Concen: 0.395 ug/l

RT: 3.040 min Scan# 179

Delta R.T. 0.030 min

Lab File: VN072135.D

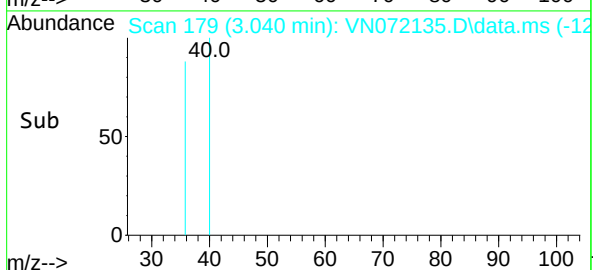
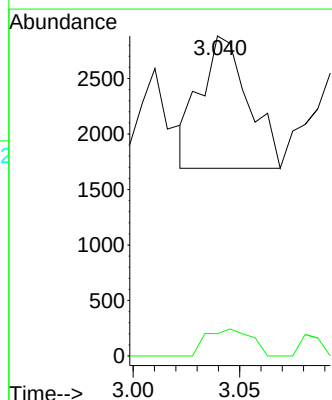
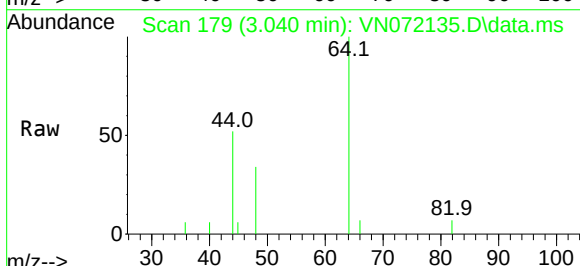
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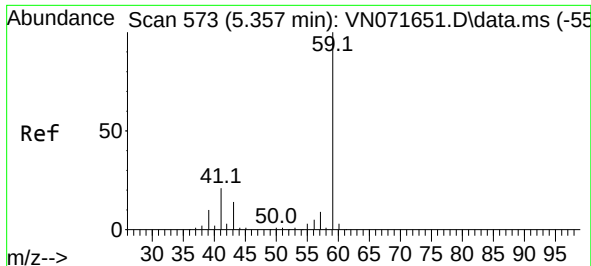
Tgt Ion: 64 Resp: 1862

Ion Ratio Lower Upper

64 100

66 16.9 26.2 39.4#

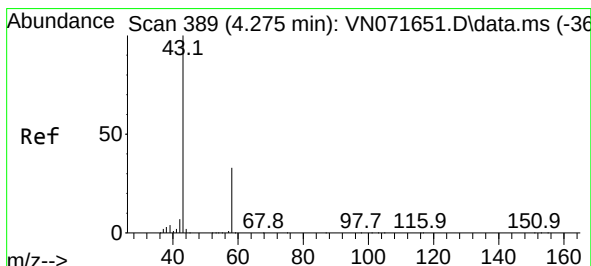
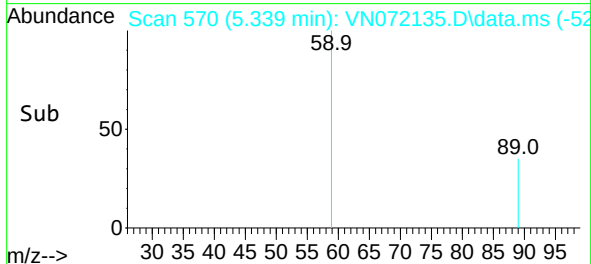
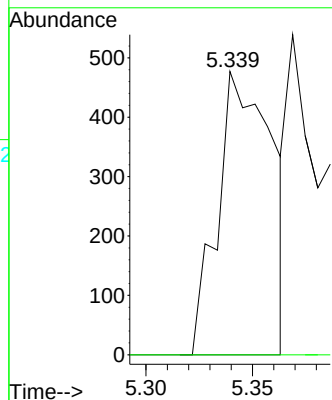
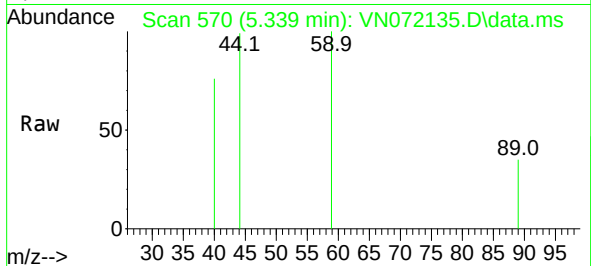




#11
Tert butyl alcohol
Concen: 0.770 ug/l
RT: 5.339 min Scan# 51
Delta R.T. -0.018 min
Lab File: VN072135.D
Acq: 21 Apr 2022 19:09

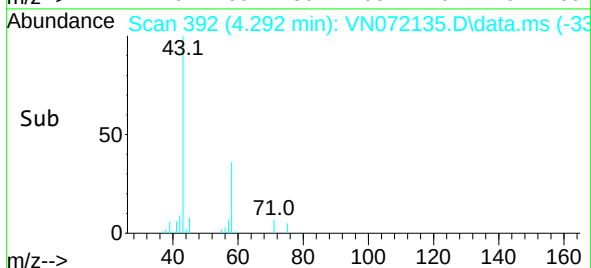
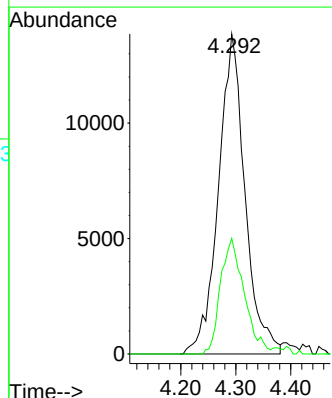
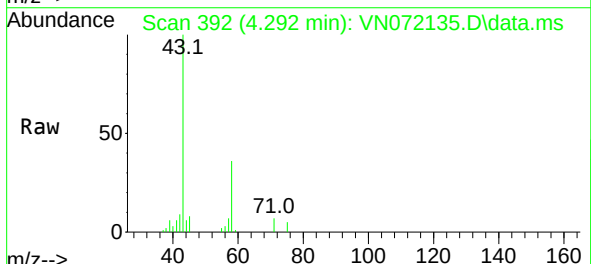
Instrument :
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MW-26R

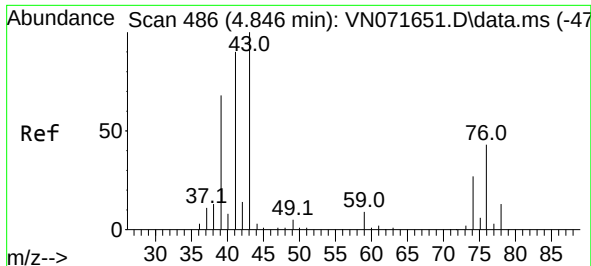
Tgt Ion: 59 Resp: 845
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 16.095 ug/l
RT: 4.292 min Scan# 392
Delta R.T. 0.017 min
Lab File: VN072135.D
Acq: 21 Apr 2022 19:09

Tgt Ion: 43 Resp: 46503
Ion Ratio Lower Upper
43 100
58 36.1 26.0 39.0

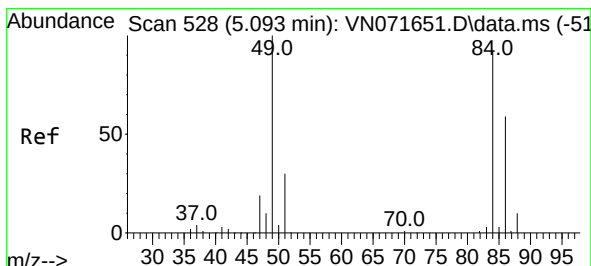
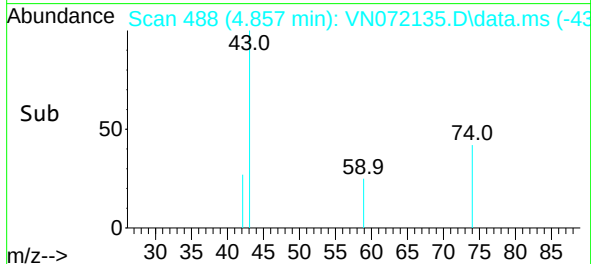
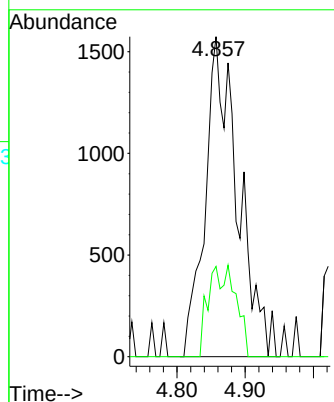
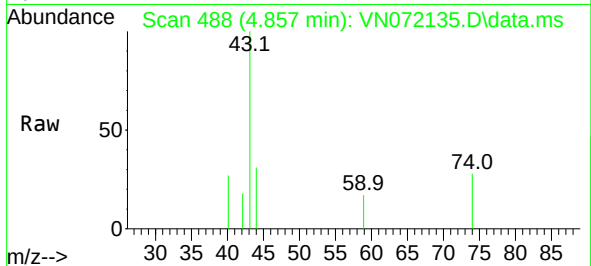




#18
Methyl Acetate
Concen: Below Cal
RT: 4.857 min Scan# 41
Delta R.T. 0.011 min
Lab File: VN072135.D
Acq: 21 Apr 2022 19:09

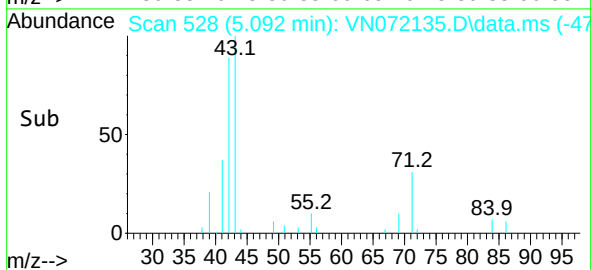
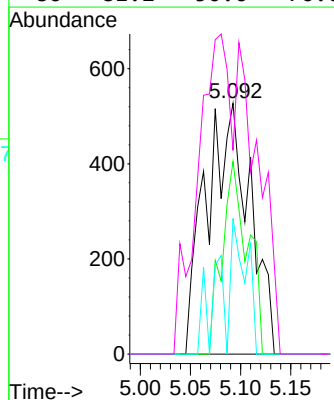
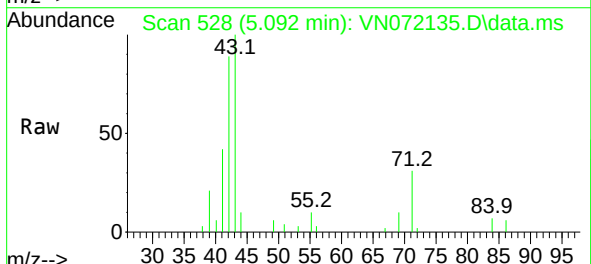
Instrument :
MSVOA_N
ClientSampleId :
MW-26R

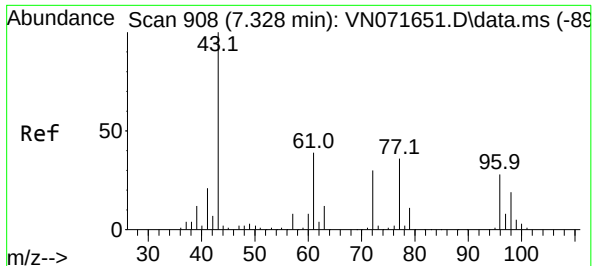
Tgt Ion: 43 Resp: 5244
Ion Ratio Lower Upper
43 100
74 11.5 21.6 32.4#



#20
Methylene Chloride
Concen: 0.263 ug/l
RT: 5.092 min Scan# 528
Delta R.T. -0.001 min
Lab File: VN072135.D
Acq: 21 Apr 2022 19:09

Tgt Ion: 84 Resp: 1600
Ion Ratio Lower Upper
84 100
49 76.9 88.3 132.5#
51 54.1 28.2 42.2#
86 81.2 50.6 76.0#





#25

2-Butanone

Concen: 0.924 ug/l

RT: 7.345 min Scan# 911

Delta R.T. 0.017 min

Lab File: VN072135.D

Acq: 21 Apr 2022 19:09

Instrument :

MSVOA_N

ClientSampleId :

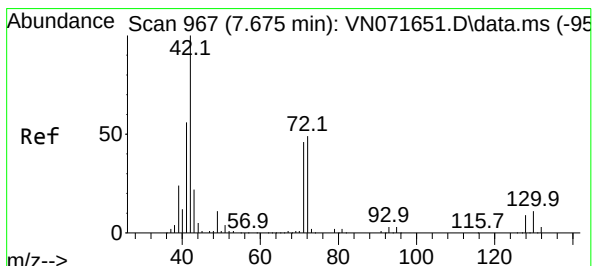
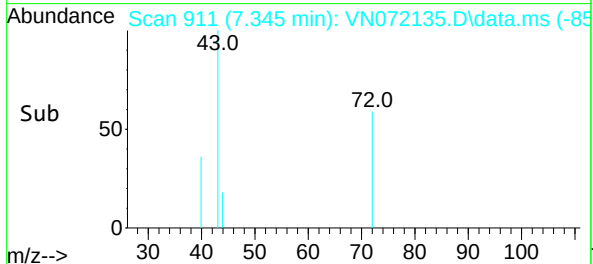
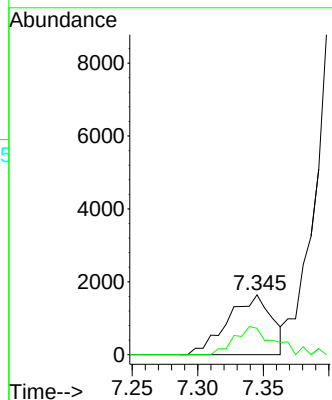
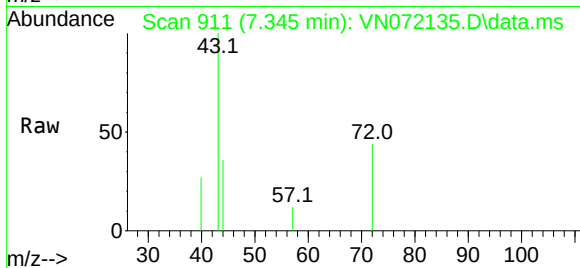
MW-26R

Tgt Ion: 43 Resp: 3849

Ion Ratio Lower Upper

43 100

72 44.2 23.7 35.5#



#29

Tetrahydrofuran

Concen: 0.484 ug/l

RT: 7.692 min Scan# 970

Delta R.T. 0.017 min

Lab File: VN072135.D

Acq: 21 Apr 2022 19:09

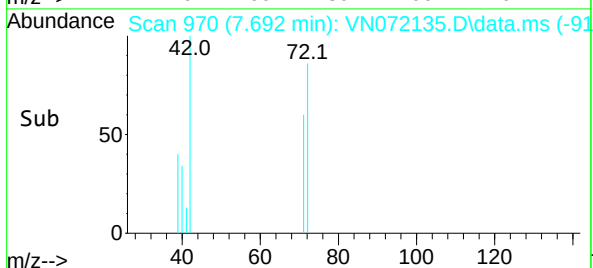
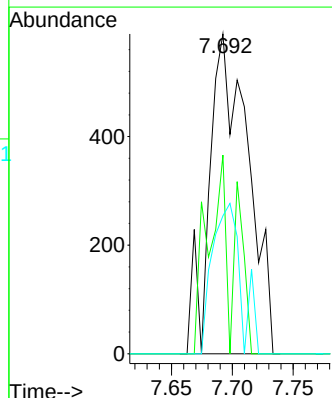
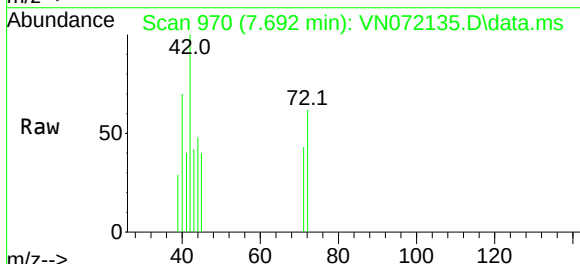
Tgt Ion: 42 Resp: 1306

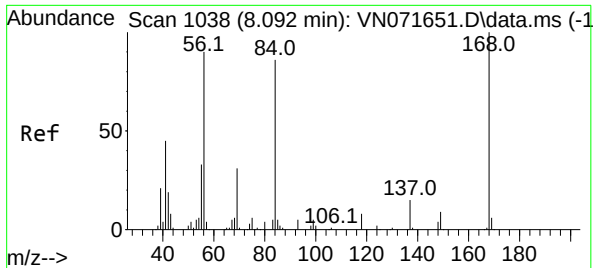
Ion Ratio Lower Upper

42 100

72 28.5 39.7 59.5#

71 34.5 36.6 55.0#

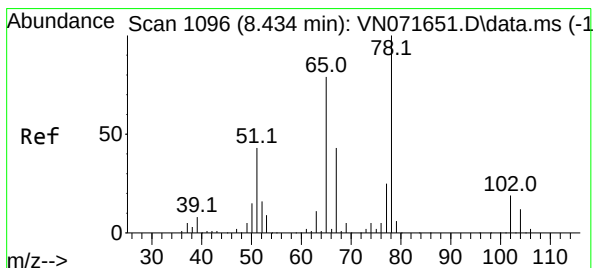
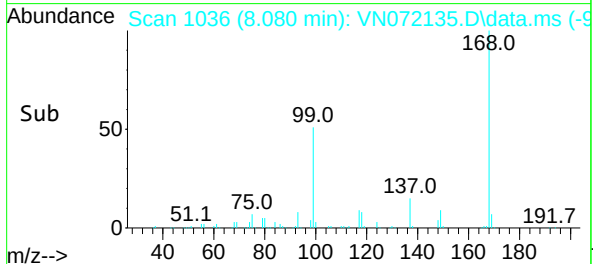
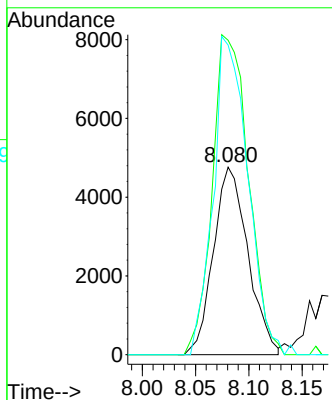
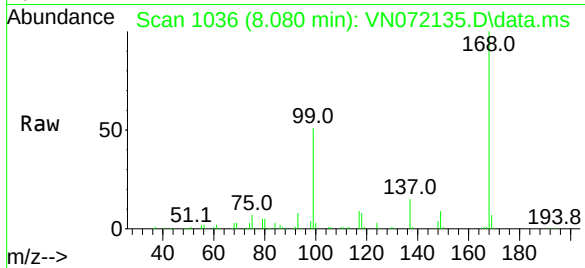




#31
Cyclohexane
Concen: 1.167 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.012 min
Lab File: VN072135.D
Acq: 21 Apr 2022 19:09

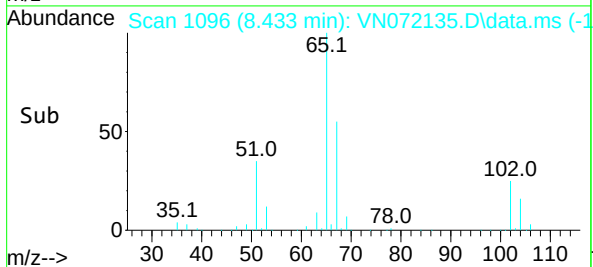
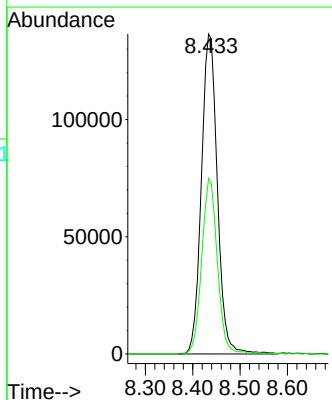
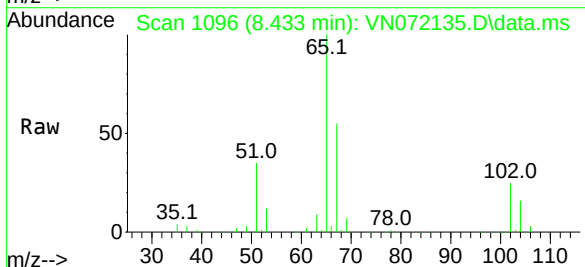
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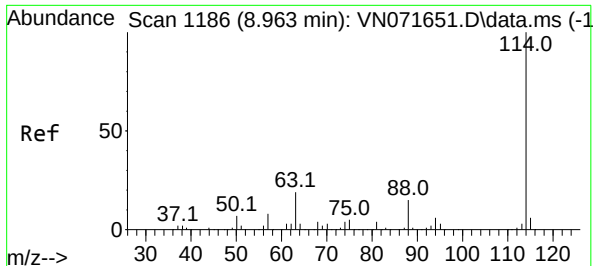
Tgt Ion: 56 Resp: 10734
Ion Ratio Lower Upper
56 100
69 167.7 27.8 41.8#
84 165.2 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 47.260 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.001 min
Lab File: VN072135.D
Acq: 21 Apr 2022 19:09

Tgt Ion: 65 Resp: 319516
Ion Ratio Lower Upper
65 100
67 53.5 0.0 104.8

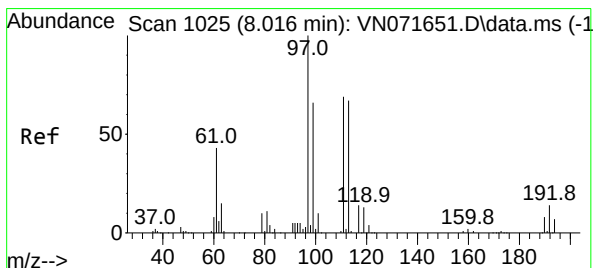
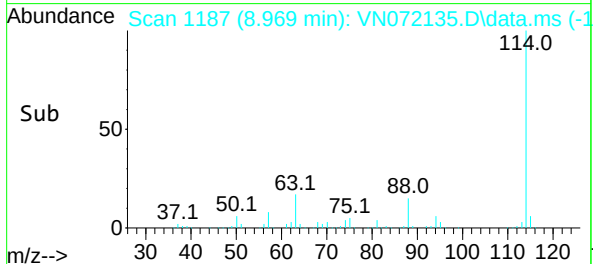
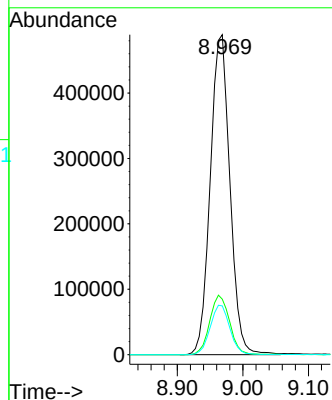
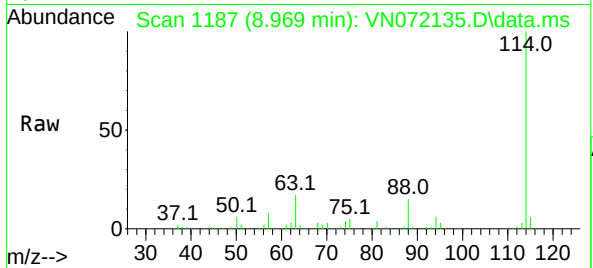




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.969 min Scan# 1186
Delta R.T. 0.006 min
Lab File: VN072135.D
Acq: 21 Apr 2022 19:09

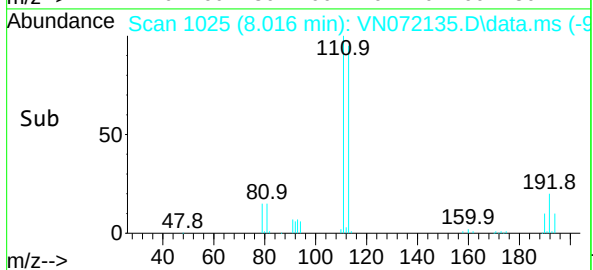
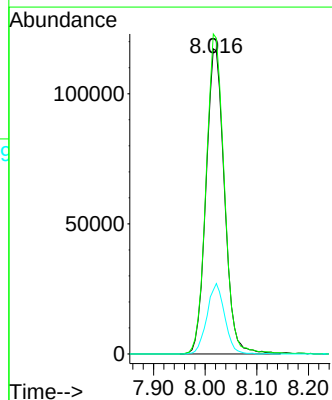
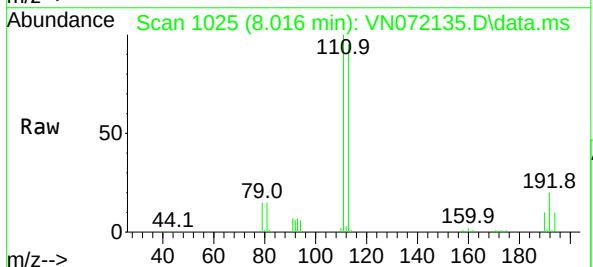
Instrument :
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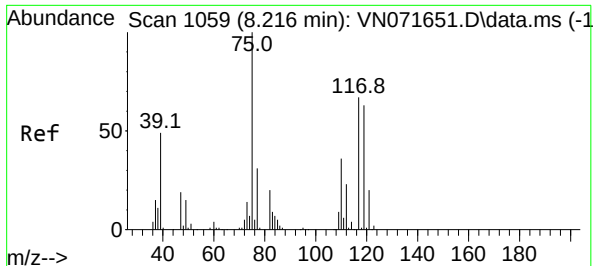
Tgt Ion:114 Resp: 1018231
Ion Ratio Lower Upper
114 100
63 17.4 0.0 40.0
88 15.2 0.0 32.6



#35
Dibromofluoromethane
Concen: 48.575 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.000 min
Lab File: VN072135.D
Acq: 21 Apr 2022 19:09

Tgt Ion:113 Resp: 291047
Ion Ratio Lower Upper
113 100
111 103.3 81.4 122.0
192 22.2 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.623 ug/l

RT: 8.080 min Scan# 1059

Delta R.T. -0.136 min

Lab File: VN072135.D

Acq: 21 Apr 2022 19:09

Instrument :

MSVOA_N

ClientSampleId :

MW-26R

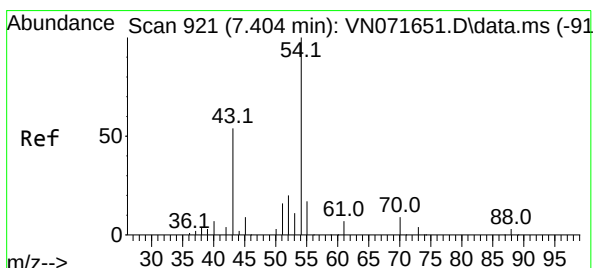
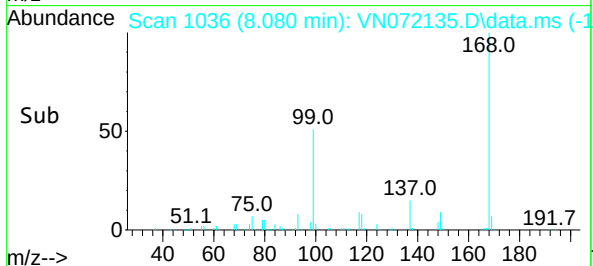
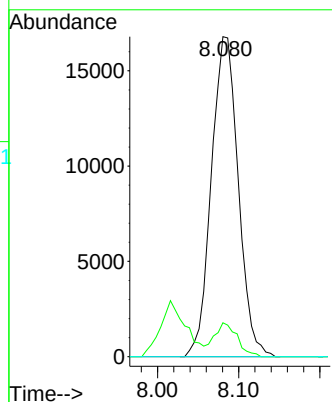
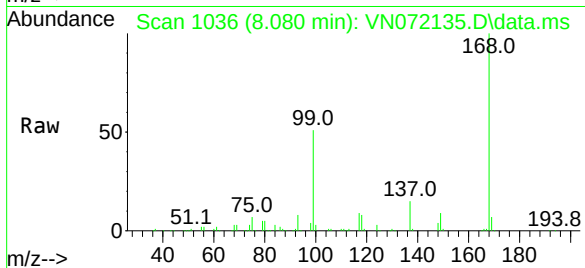
Tgt Ion: 75 Resp: 38683

Ion Ratio Lower Upper

75 100

110 9.1 18.3 54.8#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 3.709 ug/l

RT: 7.416 min Scan# 923

Delta R.T. 0.012 min

Lab File: VN072135.D

Acq: 21 Apr 2022 19:09

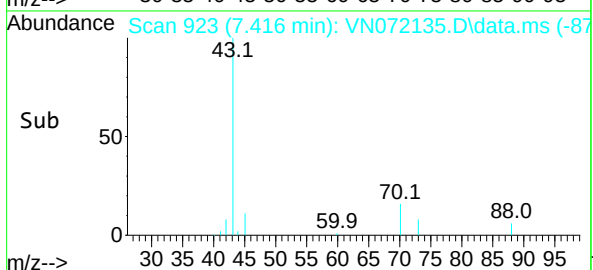
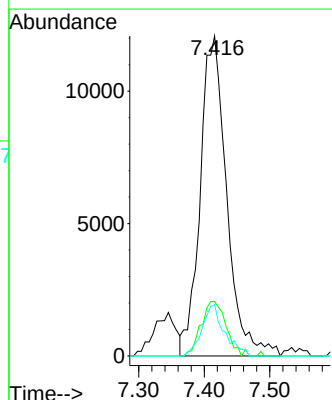
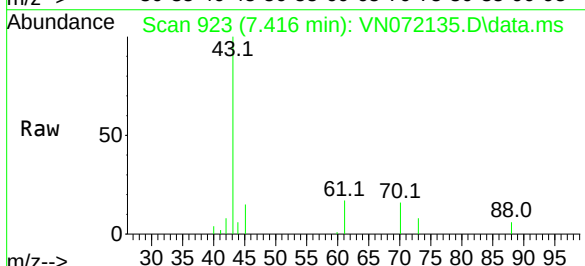
Tgt Ion: 43 Resp: 33964

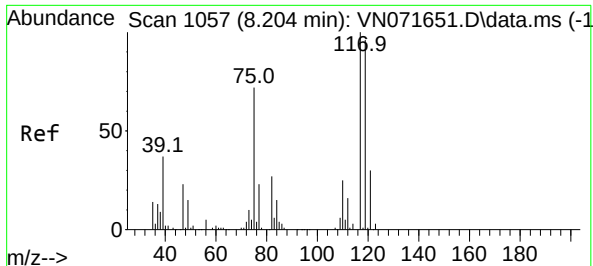
Ion Ratio Lower Upper

43 100

61 16.0 11.8 17.6

70 13.6 9.3 13.9

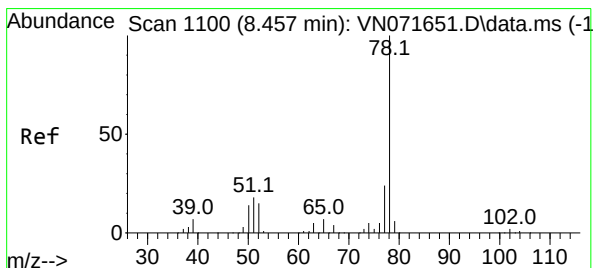
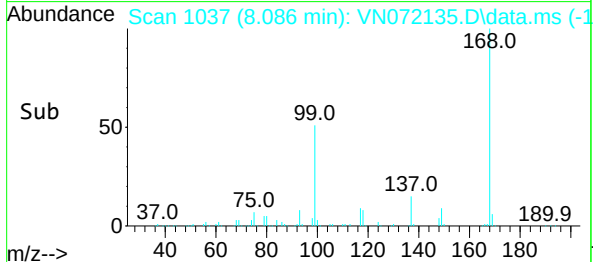
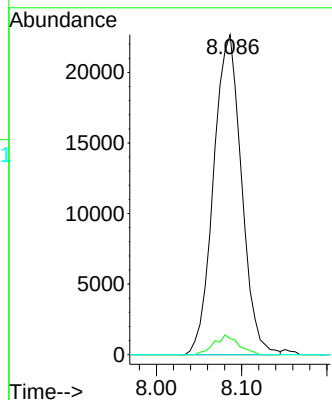
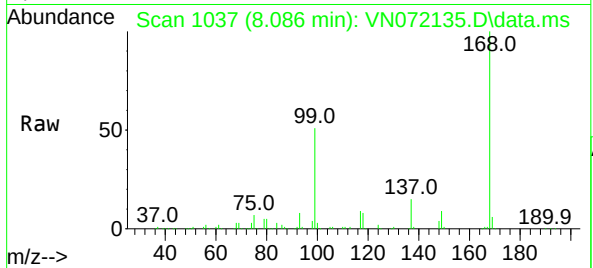




#38
Carbon Tetrachloride
Concen: 6.298 ug/l
RT: 8.086 min Scan# 1101
Delta R.T. -0.118 min
Lab File: VN072135.D
Acq: 21 Apr 2022 19:09

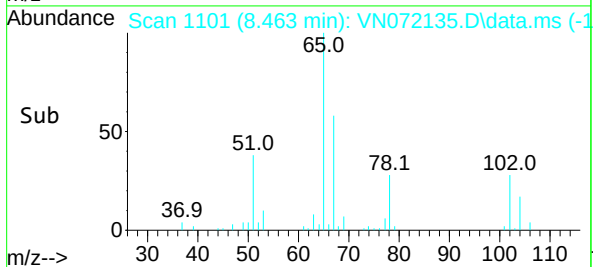
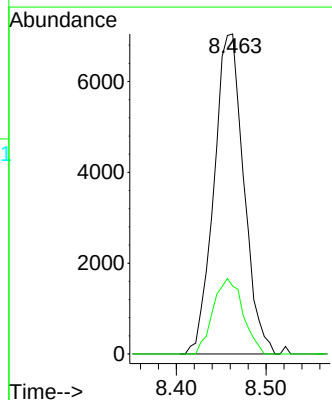
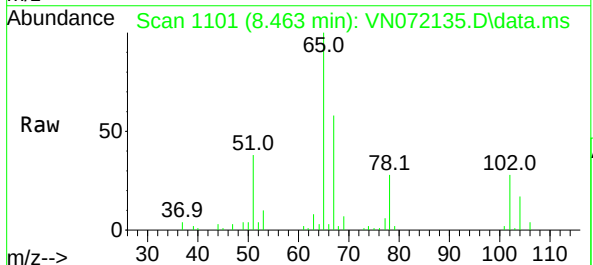
Instrument :
MSVOA_N
ClientSampleId :
MW-26R

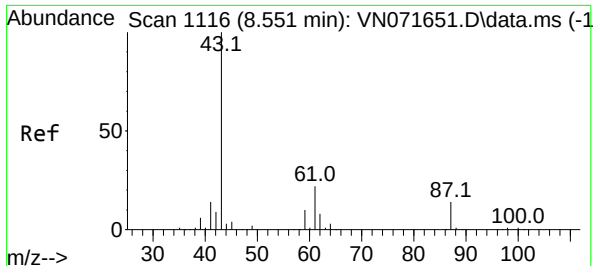
Tgt Ion:117 Resp: 51642
Ion Ratio Lower Upper
117 100
119 5.0 75.8 113.8#
121 0.0 24.6 37.0#



#40
Benzene
Concen: 0.615 ug/l
RT: 8.463 min Scan# 1101
Delta R.T. 0.006 min
Lab File: VN072135.D
Acq: 21 Apr 2022 19:09

Tgt Ion: 78 Resp: 16259
Ion Ratio Lower Upper
78 100
77 21.2 19.4 29.0





#43

Isopropyl Acetate

Concen: 1.379 ug/l

RT: 8.633 min Scan# 1116

Delta R.T. 0.082 min

Lab File: VN072135.D

Acq: 21 Apr 2022 19:09

Instrument :

MSVOA_N

ClientSampleId :

MW-26R

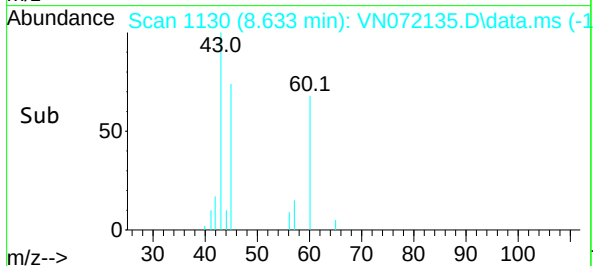
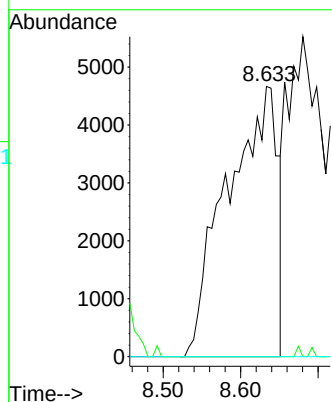
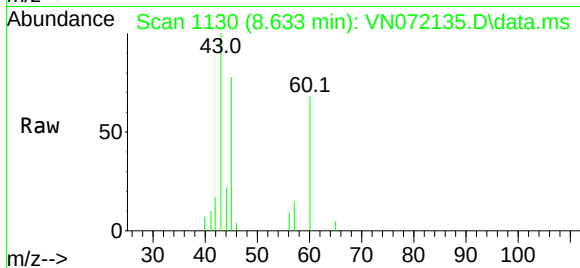
Tgt Ion: 43 Resp: 21001

Ion Ratio Lower Upper

43 100

61 0.0 21.9 32.9#

87 0.0 12.0 18.0#



#50

Toluene-d8

Concen: 52.522 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VN072135.D

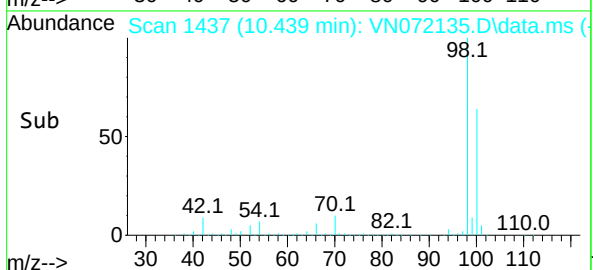
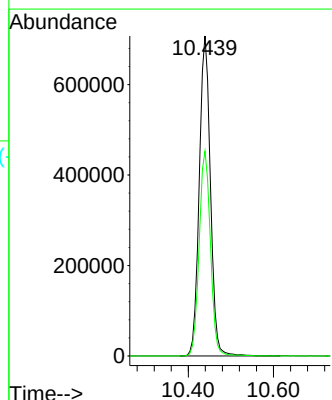
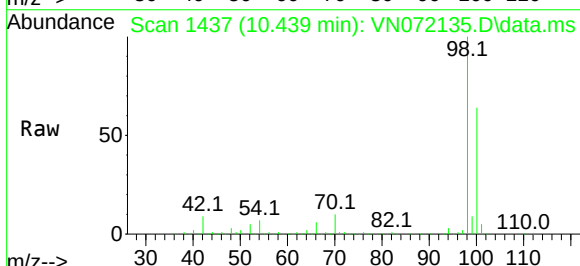
Acq: 21 Apr 2022 19:09

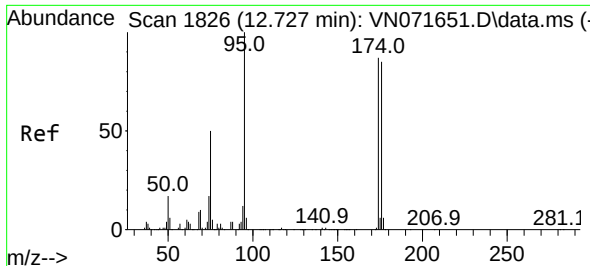
Tgt Ion: 98 Resp: 1287354

Ion Ratio Lower Upper

98 100

100 64.7 52.6 78.8

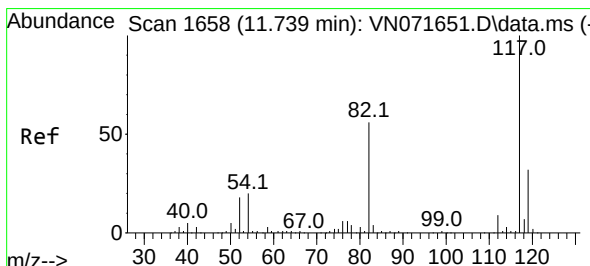
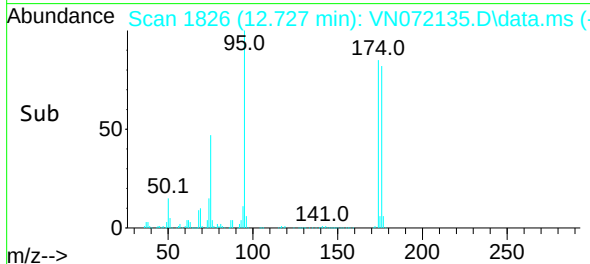
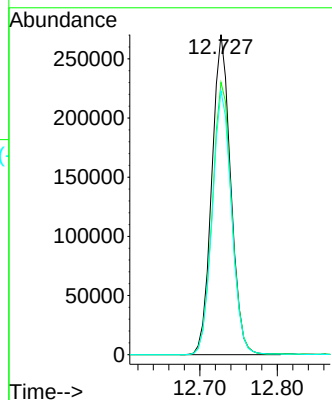
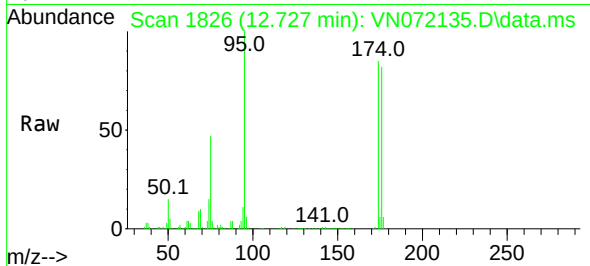




#62
4-Bromofluorobenzene
Concen: 57.842 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072135.D
Acq: 21 Apr 2022 19:09

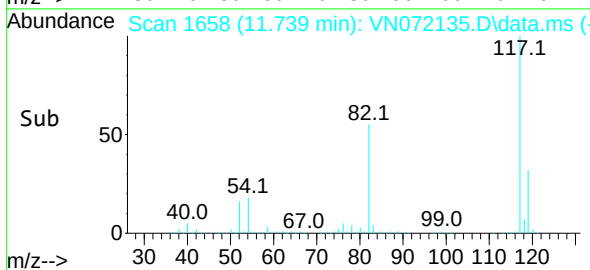
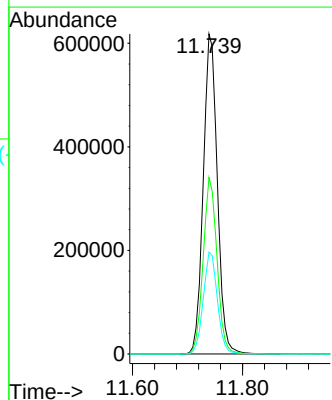
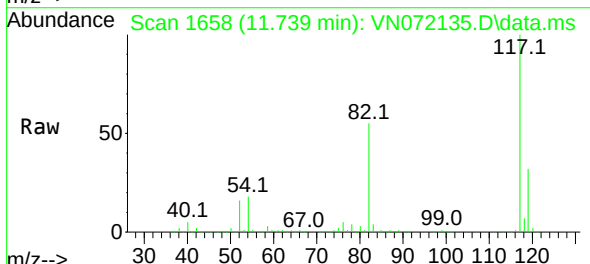
Instrument :
MSVOA_N
ClientSampleId :
MW-26R

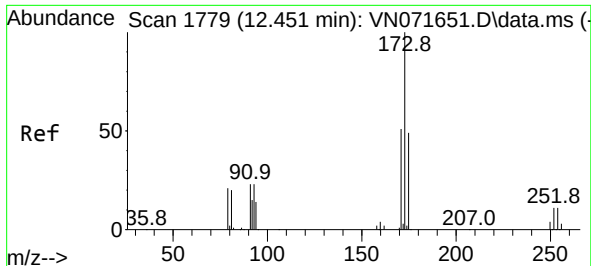
Tgt Ion: 95 Resp: 458518
Ion Ratio Lower Upper
95 100
174 86.7 0.0 167.6
176 83.8 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072135.D
Acq: 21 Apr 2022 19:09

Tgt Ion: 117 Resp: 1098830
Ion Ratio Lower Upper
117 100
82 55.2 44.2 66.2
119 31.8 25.4 38.0

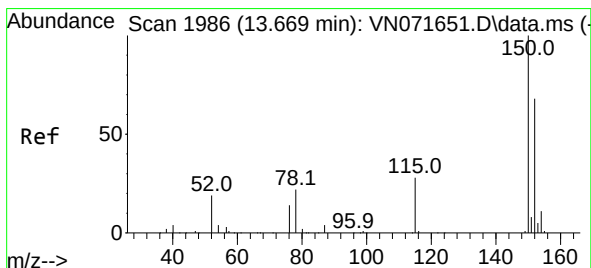
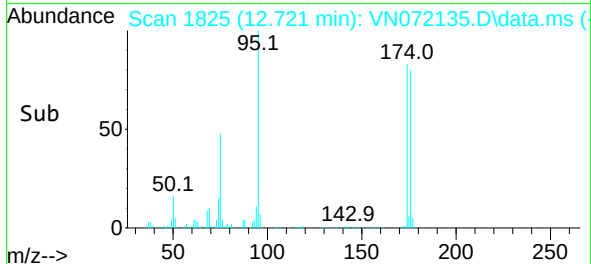
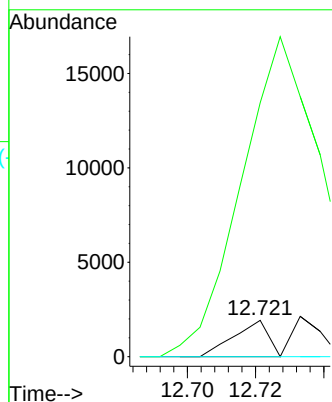
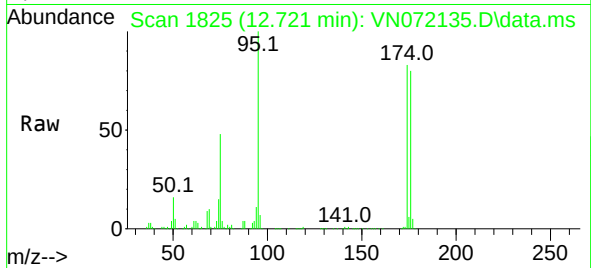




#71
Bromoform
Concen: 0.224 ug/l
RT: 12.721 min Scan# 1825
Delta R.T. 0.270 min
Lab File: VN072135.D
Acq: 21 Apr 2022 19:09

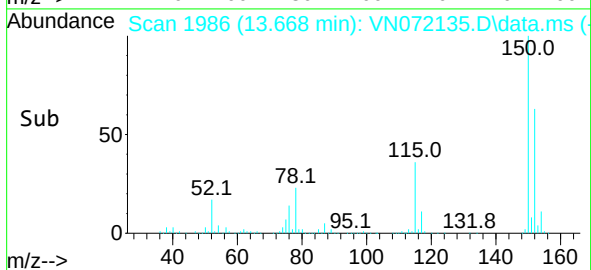
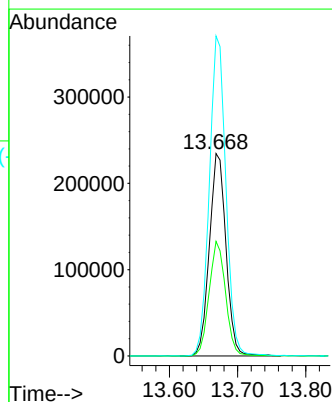
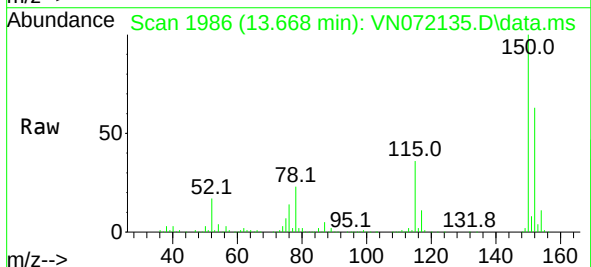
Instrument :
MSVOA_N
ClientSampleId :
MW-26R

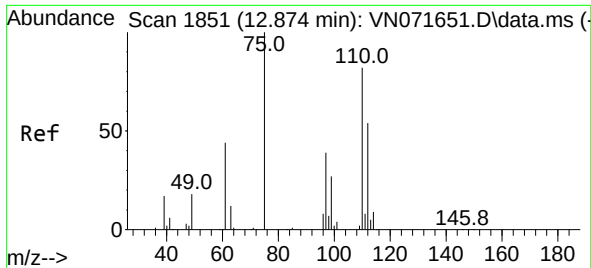
Tgt Ion:173 Resp: 1352
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN072135.D
Acq: 21 Apr 2022 19:09

Tgt Ion:152 Resp: 399058
Ion Ratio Lower Upper
152 100
115 56.2 28.9 86.7
150 157.3 0.0 356.2

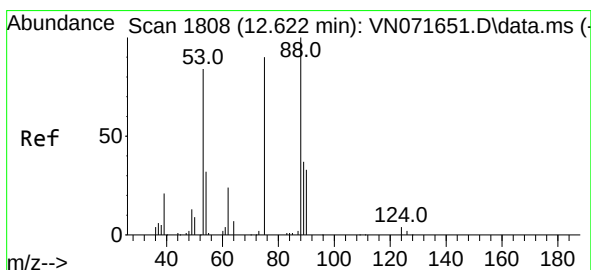
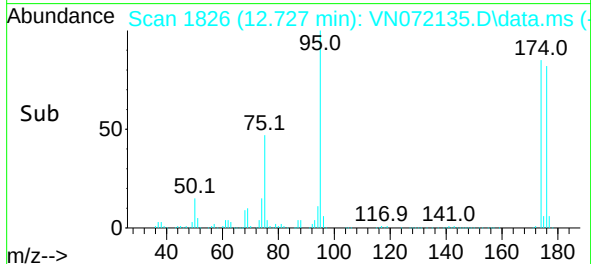
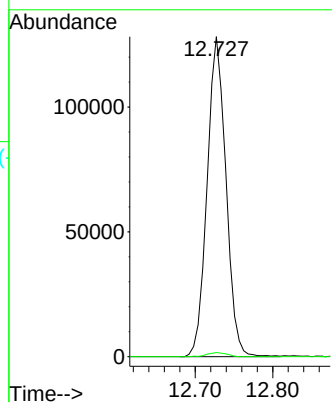
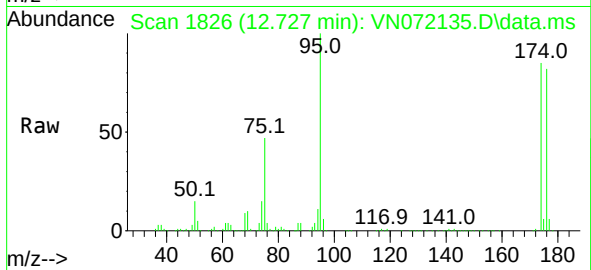




#76
1,2,3-Trichloropropane
Concen: 23.415 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072135.D
Acq: 21 Apr 2022 19:09

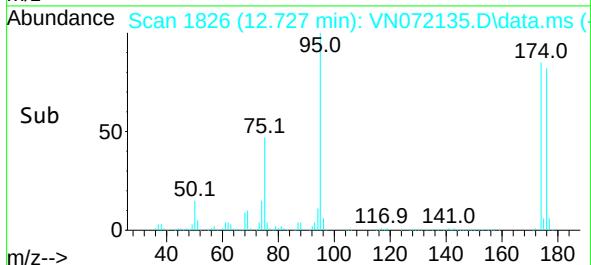
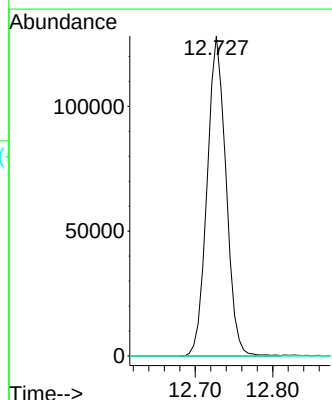
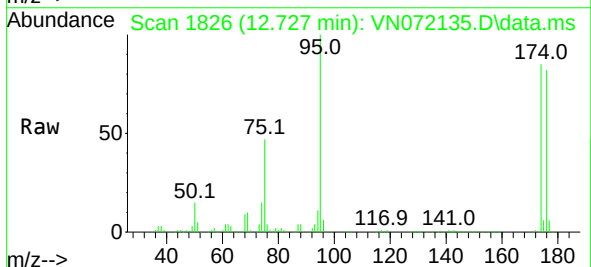
Instrument :
MSVOA_N
ClientSampleId :
MW-26R

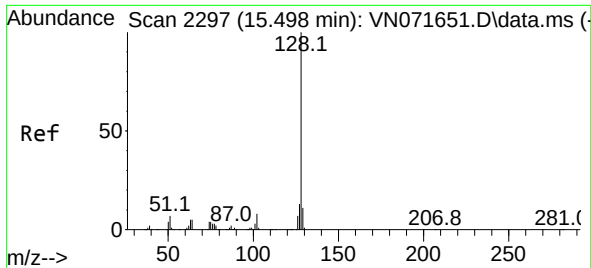
Tgt Ion: 75 Resp: 216463
Ion Ratio Lower Upper
75 100
77 1.4 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.563 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN072135.D
Acq: 21 Apr 2022 19:09

Tgt Ion: 75 Resp: 216463
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#





#95

Naphthalene

Concen: 3.820 ug/l

RT: 15.503 min Scan# 21

Delta R.T. 0.005 min

Lab File: VN072135.D

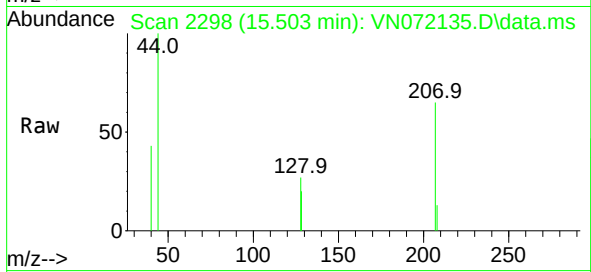
Acq: 21 Apr 2022 19:09

Instrument :

MSVOA_N

ClientSampleId :

MW-26R



Tgt Ion:128 Resp: 334

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.6 13.0#

