

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030122\
 Data File : VN071123.D
 Acq On : 01 Mar 2022 17:00
 Operator : JC\MD
 Sample : N1689-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-38I

Quant Time: Mar 02 03:31:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 21 07:57:15 2022
 Response via : Initial Calibration

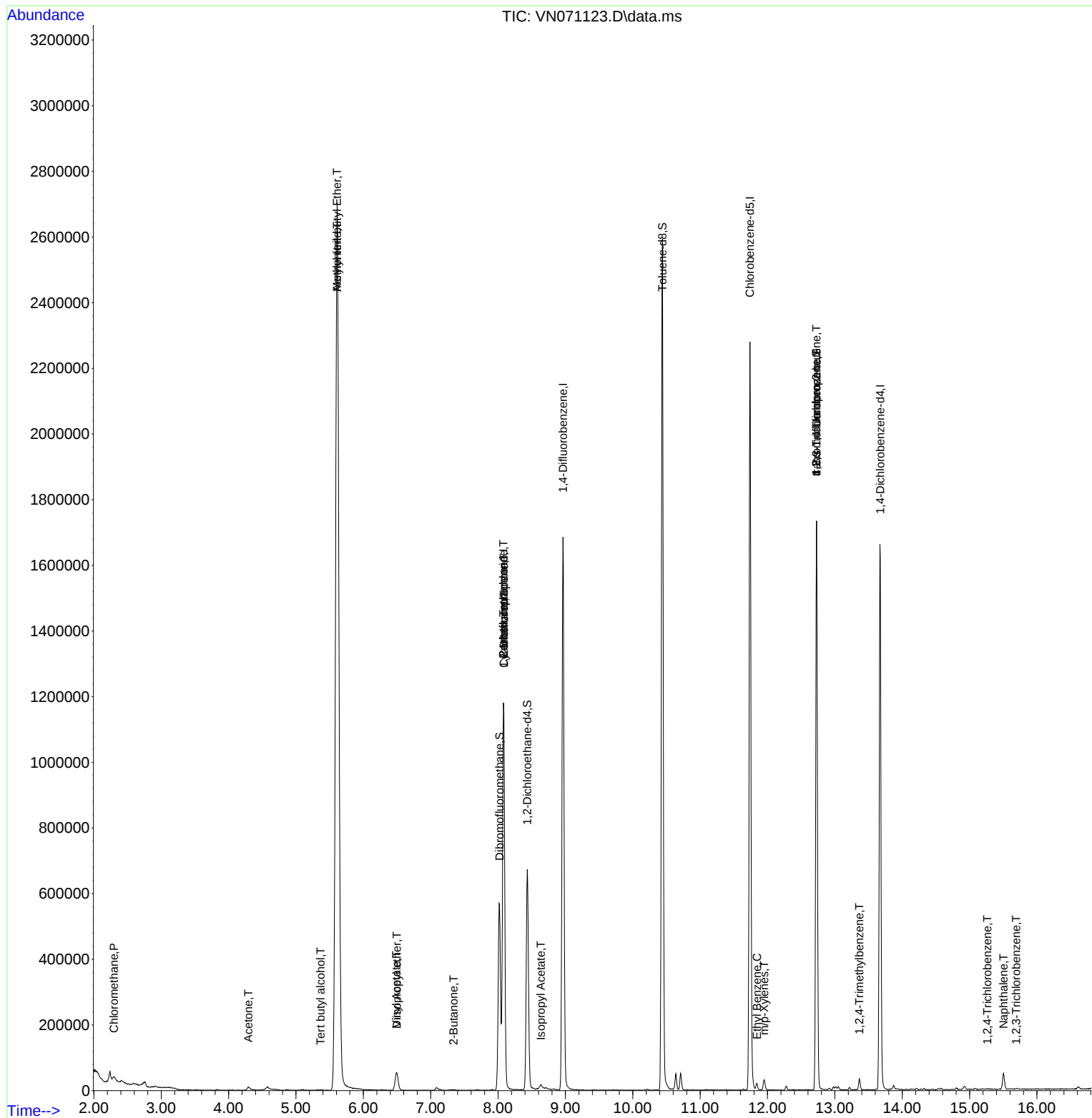
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.081	168	928651	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1489655	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1334055	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	465787	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	566616	53.413	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	106.820%
35) Dibromofluoromethane	8.022	113	430194	48.552	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.100%
50) Toluene-d8	10.439	98	1810432	50.879	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.760%
62) 4-Bromofluorobenzene	12.727	95	621335	48.851	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	97.700%
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	3417	0.282	ug/l #	86
11) Tert butyl alcohol	5.363	59	2665	1.378	ug/l #	71
15) Acrylonitrile	5.610	53	46506	8.167	ug/l #	29
16) Acetone	4.293	43	13510	2.313	ug/l	95
18) Methyl Acetate	4.869	43	3471	Below Cal	#	57
19) Methyl tert-butyl Ether	5.610	73	4566002	143.172	ug/l	95
22) Diisopropyl ether	6.498	45	71024	2.136	ug/l #	86
23) Vinyl Acetate	6.493	43	36060	1.281	ug/l #	72
25) 2-Butanone	7.340	43	1748	0.225	ug/l	97
31) Cyclohexane	8.087	56	19037	1.038	ug/l #	1
36) 1,1-Dichloropropene	8.087	75	72245	4.977	ug/l #	48
38) Carbon Tetrachloride	8.081	117	91365	6.388	ug/l #	16
43) Isopropyl Acetate	8.634	43	12513	0.510	ug/l #	67
67) Ethyl Benzene	11.845	91	13416	0.267	ug/l	89
68) m/p-Xylenes	11.951	106	11077	0.570	ug/l	96
76) 1,2,3-Trichloropropane	12.727	75	315113	28.733	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	315113	93.108	ug/l #	5
84) 1,2,4-Trimethylbenzene	13.363	105	20157	0.674	ug/l	96
93) 1,2,4-Trichlorobenzene	15.263	180	1072	2.119	ug/l	92
95) Naphthalene	15.504	128	46862	7.015	ug/l	99
96) 1,2,3-Trichlorobenzene	15.692	180	905	2.625	ug/l	85

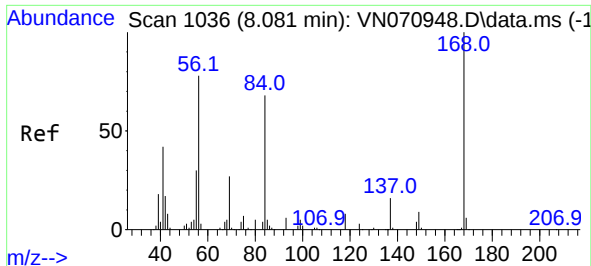
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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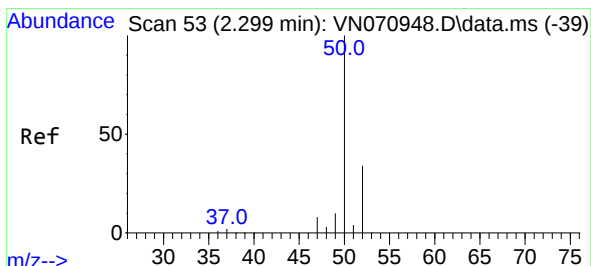
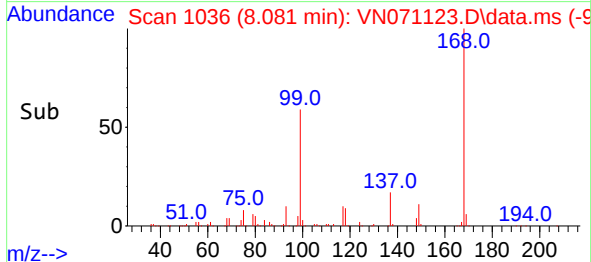
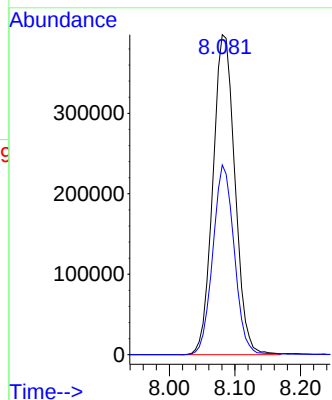
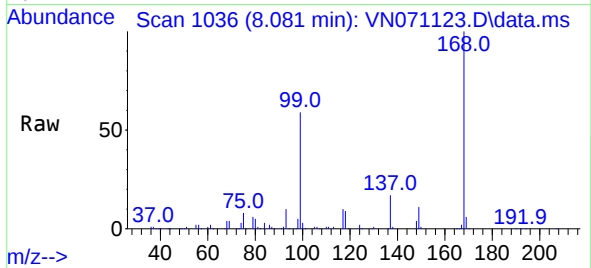




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN071123.D
Acq: 01 Mar 2022 17:00

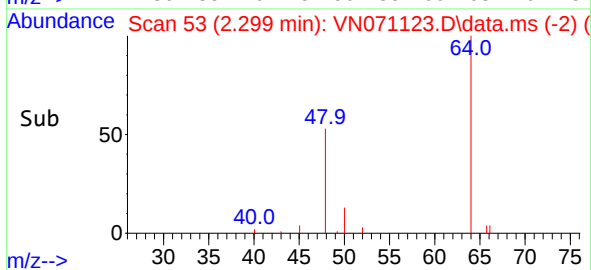
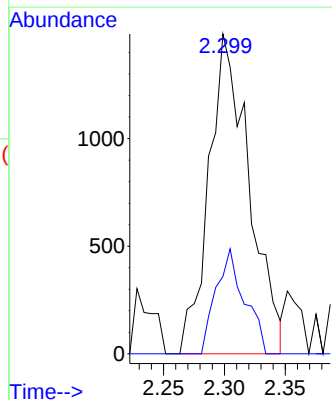
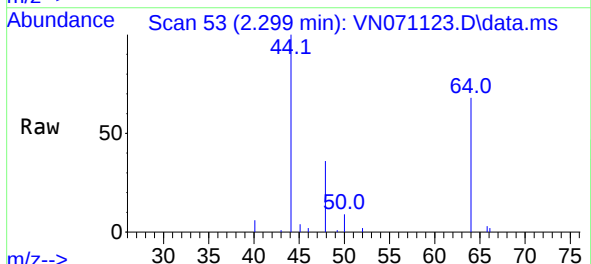
Instrument :
MSVOA_N
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MW-38I

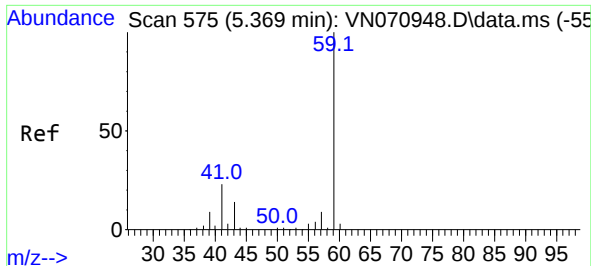
Tgt Ion:168 Resp: 928651
Ion Ratio Lower Upper
168 100
99 59.3 41.3 61.9



#3
Chloromethane
Concen: 0.282 ug/l
RT: 2.299 min Scan# 53
Delta R.T. 0.000 min
Lab File: VN071123.D
Acq: 01 Mar 2022 17:00

Tgt Ion: 50 Resp: 3417
Ion Ratio Lower Upper
50 100
52 24.2 25.4 38.0#

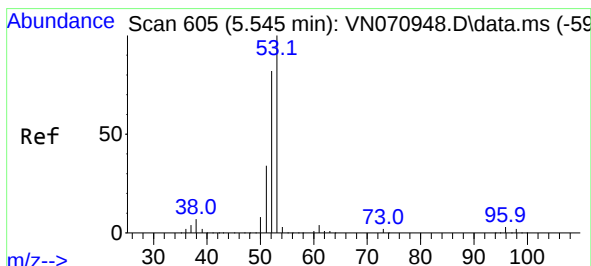
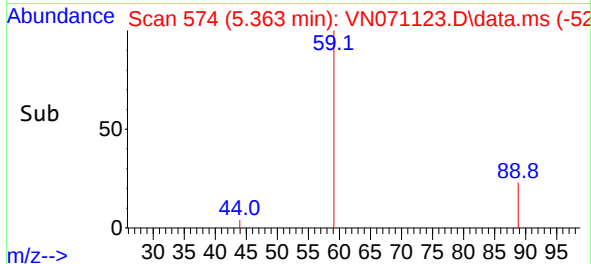
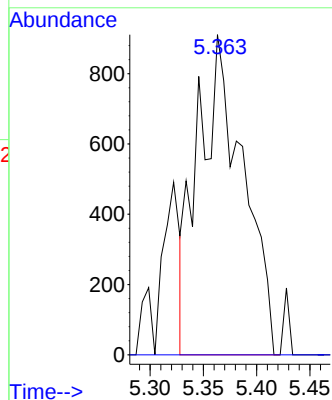
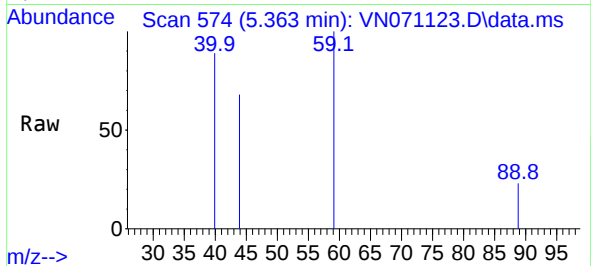




#11
Tert butyl alcohol
Concen: 1.378 ug/l
RT: 5.363 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN071123.D
Acq: 01 Mar 2022 17:00

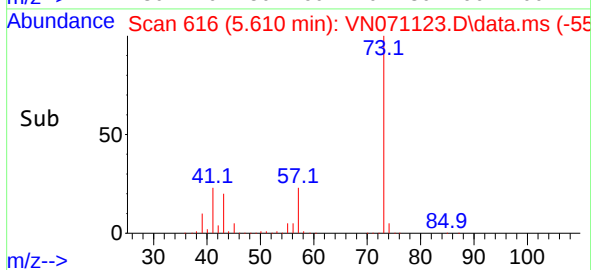
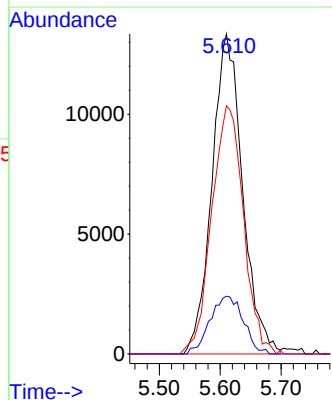
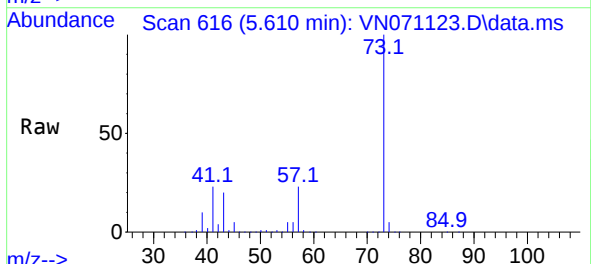
Instrument :
MSVOA_N
ClientSampleId :
MW-38I

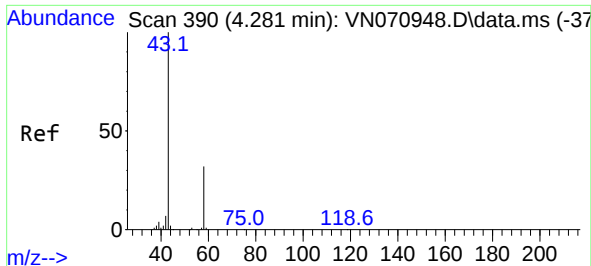
Tgt Ion: 59 Resp: 2665
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#15
Acrylonitrile
Concen: 8.167 ug/l
RT: 5.610 min Scan# 616
Delta R.T. 0.065 min
Lab File: VN071123.D
Acq: 01 Mar 2022 17:00

Tgt Ion: 53 Resp: 46506
Ion Ratio Lower Upper
53 100
52 19.7 66.2 99.2#
51 80.6 29.6 44.4#

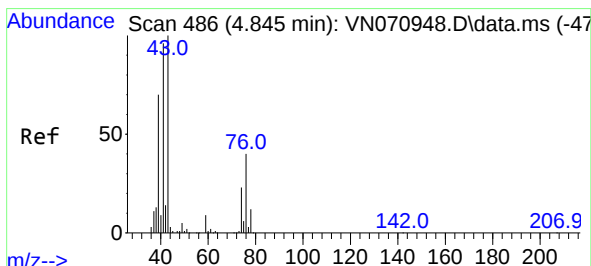
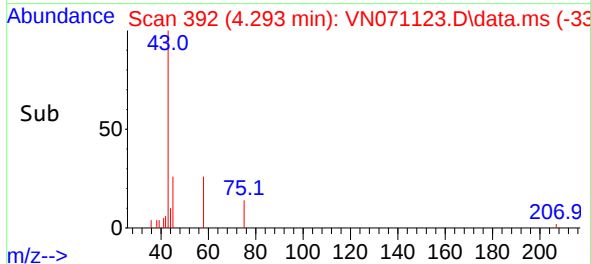
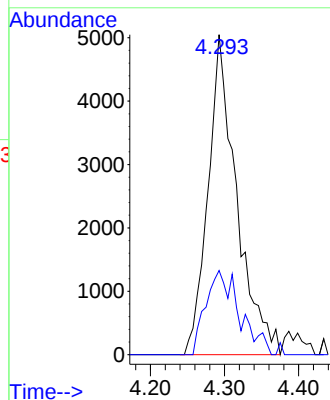
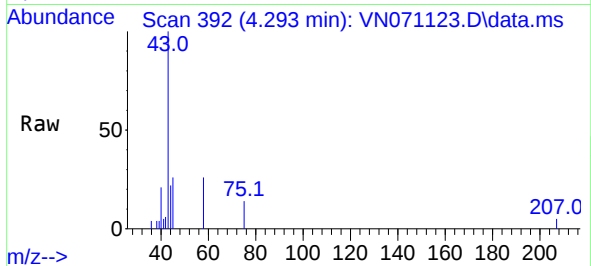




#16
Acetone
Concen: 2.313 ug/l
RT: 4.293 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN071123.D
Acq: 01 Mar 2022 17:00

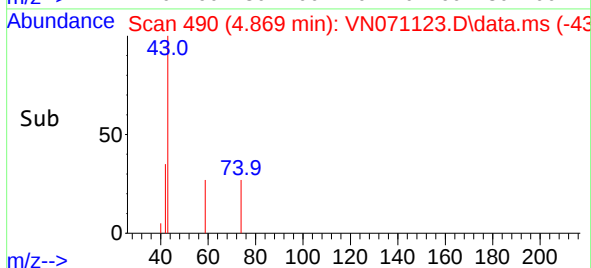
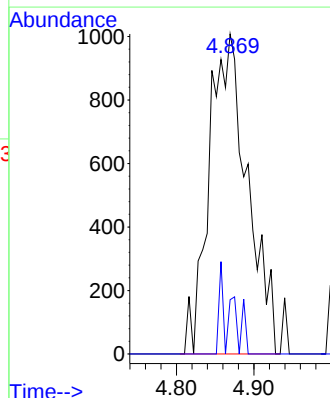
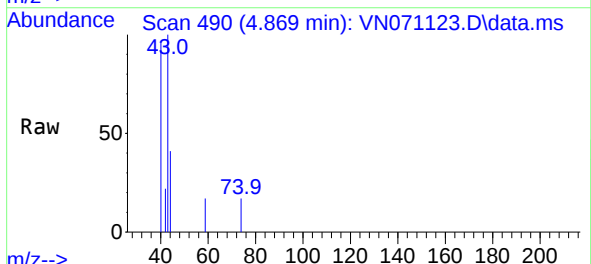
Instrument :
MSVOA_N
ClientSampleId :
MW-38I

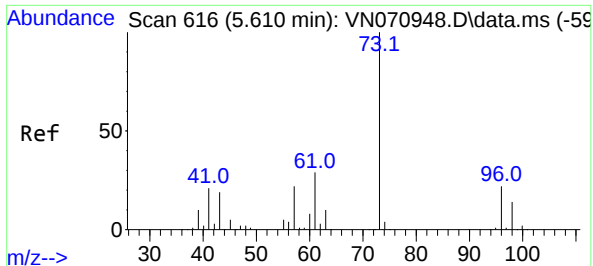
Tgt Ion: 43 Resp: 13510
Ion Ratio Lower Upper
43 100
58 26.3 23.1 34.7



#18
Methyl Acetate
Concen: Below Cal
RT: 4.869 min Scan# 490
Delta R.T. 0.024 min
Lab File: VN071123.D
Acq: 01 Mar 2022 17:00

Tgt Ion: 43 Resp: 3471
Ion Ratio Lower Upper
43 100
74 3.0 19.4 29.2#

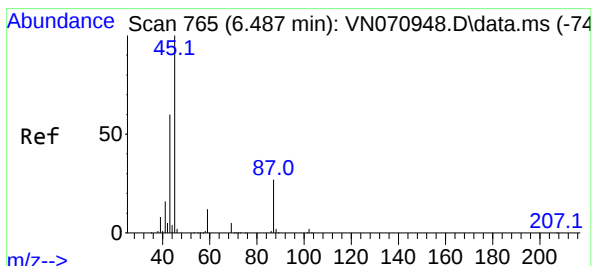
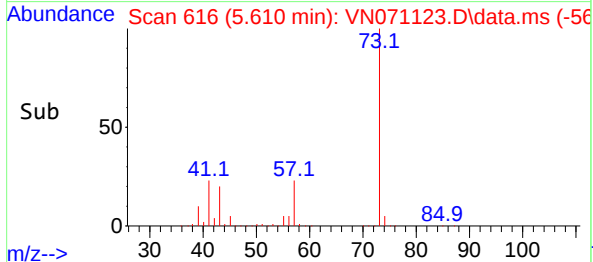
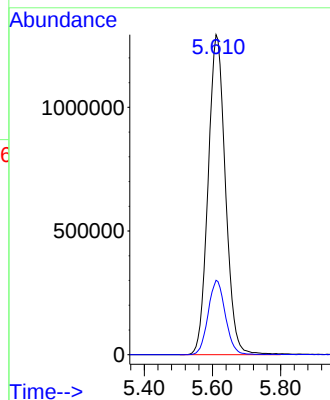
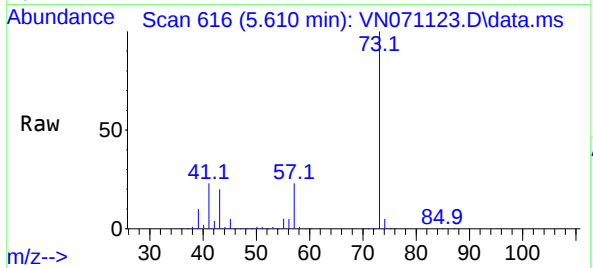




#19
Methyl tert-butyl Ether
Concen: 143.172 ug/l
RT: 5.610 min Scan# 616
Delta R.T. 0.000 min
Lab File: VN071123.D
Acq: 01 Mar 2022 17:00

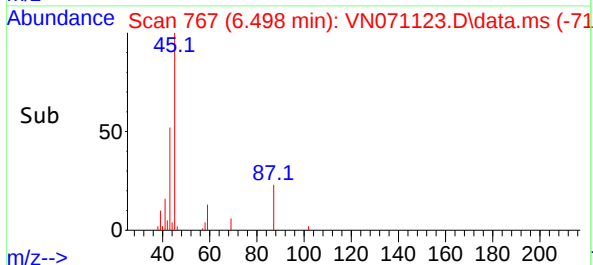
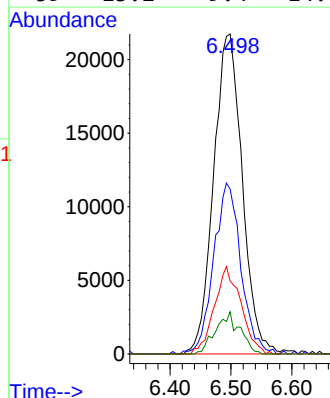
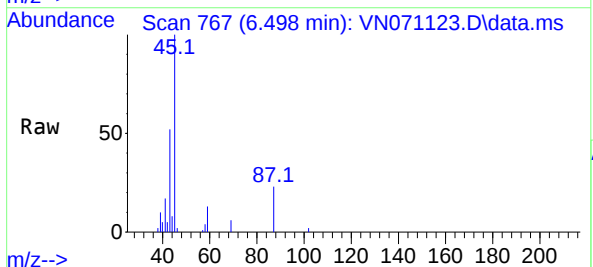
Instrument :
MSVOA_N
ClientSampleId :
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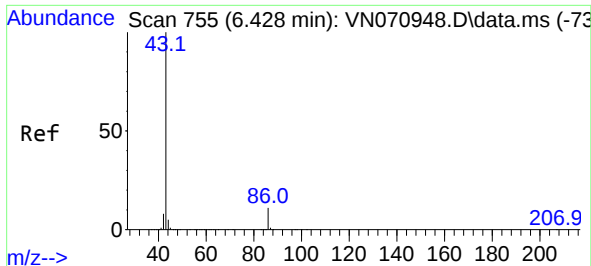
Tgt Ion: 73 Resp: 4566002
Ion Ratio Lower Upper
73 100
57 23.3 16.8 25.2



#22
Diisopropyl ether
Concen: 2.136 ug/l
RT: 6.498 min Scan# 767
Delta R.T. 0.012 min
Lab File: VN071123.D
Acq: 01 Mar 2022 17:00

Tgt Ion: 45 Resp: 71024
Ion Ratio Lower Upper
45 100
43 51.5 51.7 77.5#
87 22.8 23.2 34.8#
59 13.2 9.4 14.0

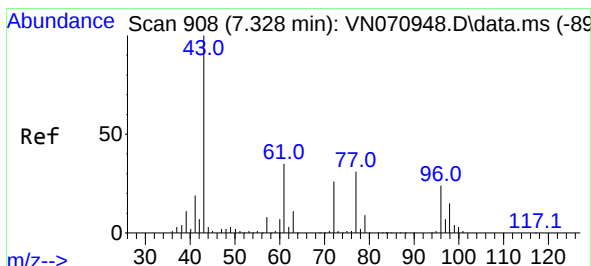
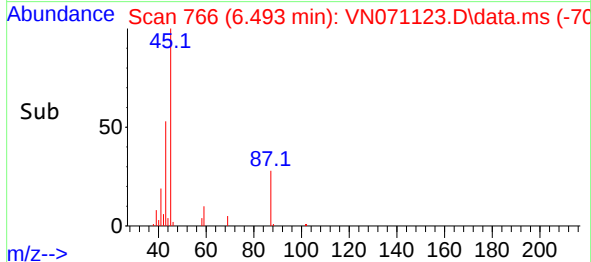
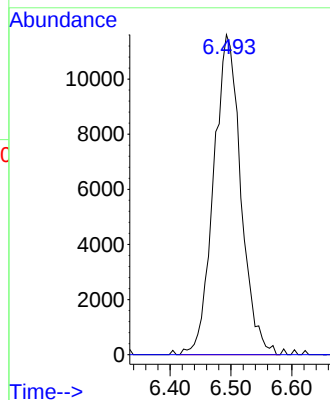
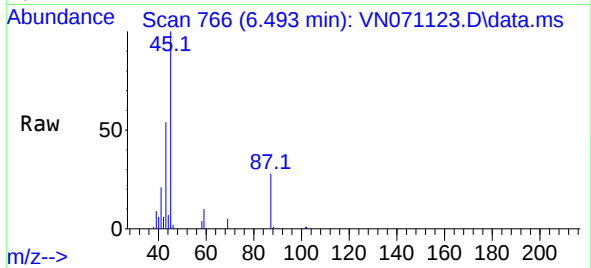




#23
 Vinyl Acetate
 Concen: 1.281 ug/l
 RT: 6.493 min Scan# 7
 Delta R.T. 0.065 min
 Lab File: VN071123.D
 Acq: 01 Mar 2022 17:00

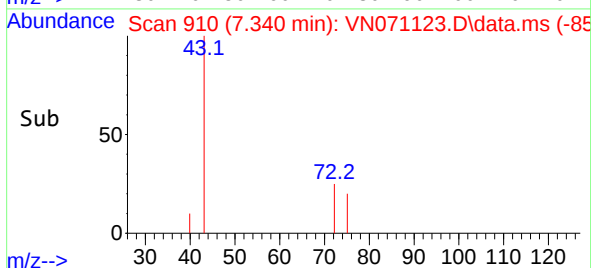
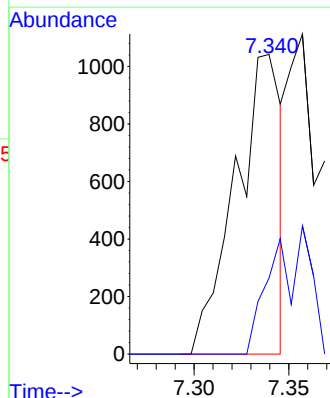
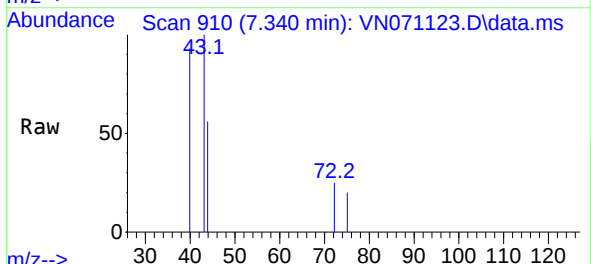
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-38I

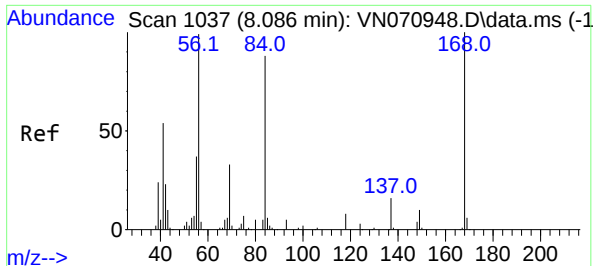
Tgt Ion: 43 Resp: 36060
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.5 12.7#



#25
 2-Butanone
 Concen: 0.225 ug/l
 RT: 7.340 min Scan# 910
 Delta R.T. 0.012 min
 Lab File: VN071123.D
 Acq: 01 Mar 2022 17:00

Tgt Ion: 43 Resp: 1748
 Ion Ratio Lower Upper
 43 100
 72 25.3 21.7 32.5

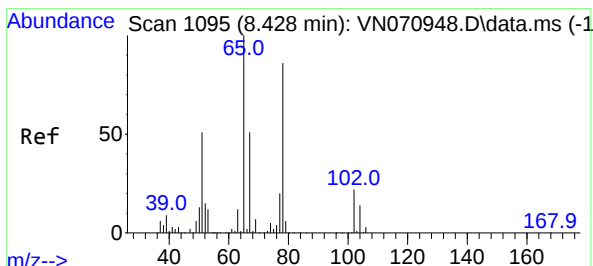
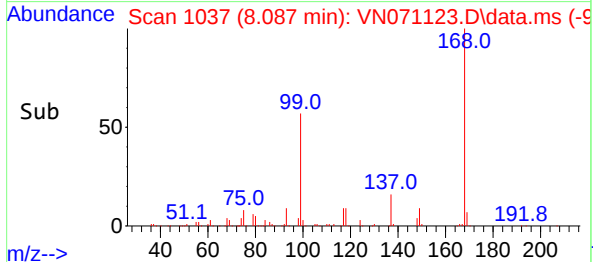
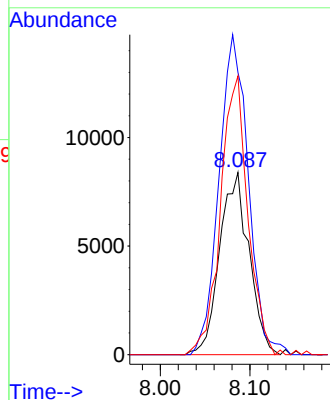
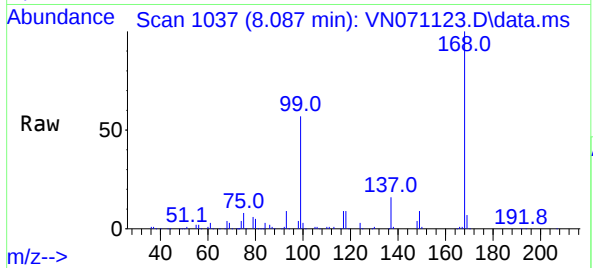




#31
Cyclohexane
Concen: 1.038 ug/l
RT: 8.087 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VN071123.D
Acq: 01 Mar 2022 17:00

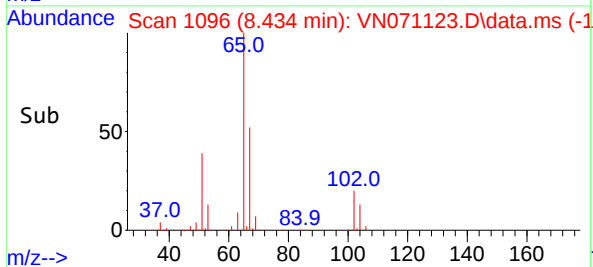
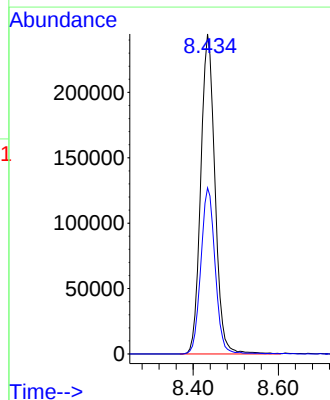
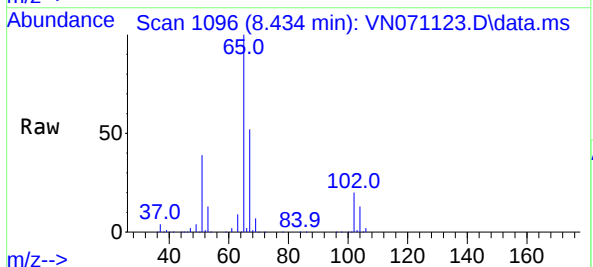
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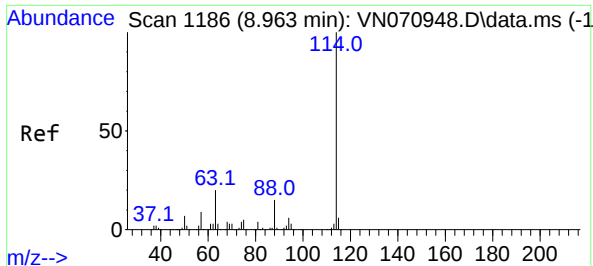
Tgt Ion: 56 Resp: 19037
Ion Ratio Lower Upper
56 100
69 154.8 27.1 40.7#
84 152.9 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 53.413 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. 0.006 min
Lab File: VN071123.D
Acq: 01 Mar 2022 17:00

Tgt Ion: 65 Resp: 566616
Ion Ratio Lower Upper
65 100
67 52.1 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. 0.000 min

Lab File: VN071123.D

Acq: 01 Mar 2022 17:00

Instrument :

MSVOA_N

ClientSampleId :

MW-38I

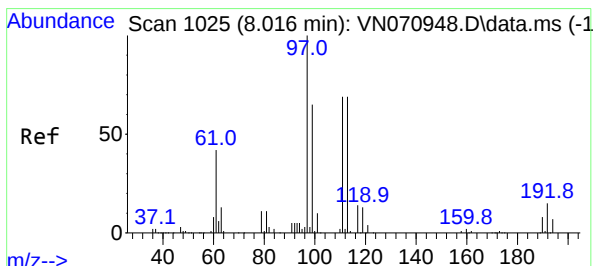
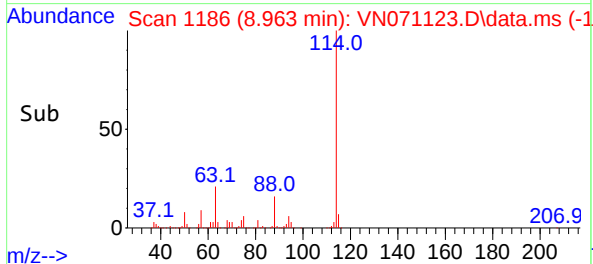
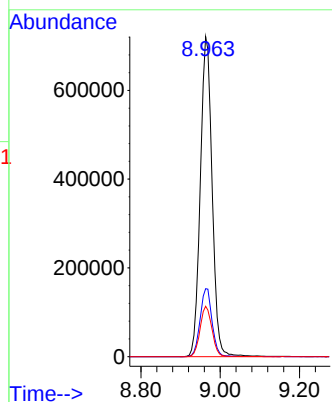
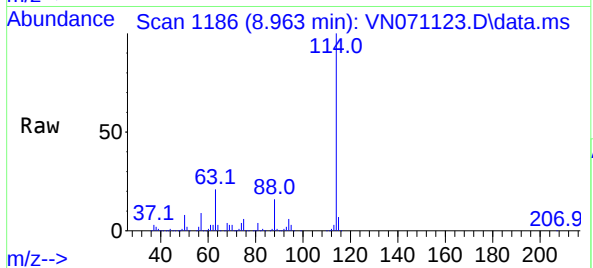
Tgt Ion:114 Resp: 1489655

Ion Ratio Lower Upper

114 100

63 21.3 0.0 37.8

88 15.7 0.0 27.4



#35

Dibromofluoromethane

Concen: 48.552 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN071123.D

Acq: 01 Mar 2022 17:00

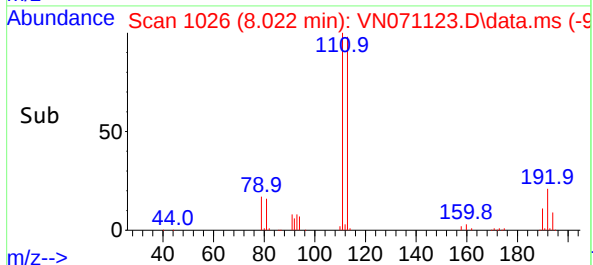
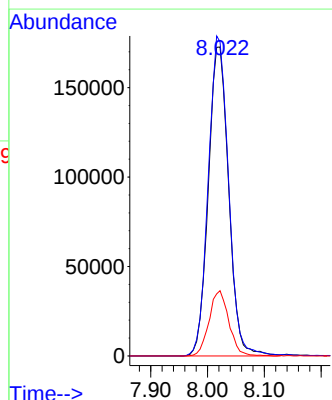
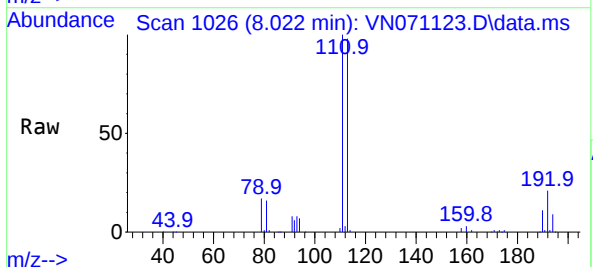
Tgt Ion:113 Resp: 430194

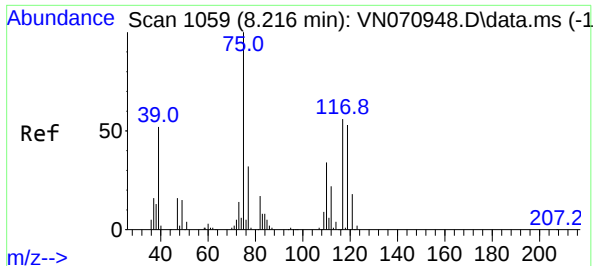
Ion Ratio Lower Upper

113 100

111 102.7 82.2 123.2

192 20.5 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.977 ug/l

RT: 8.087 min Scan# 1037

Delta R.T. -0.129 min

Lab File: VN071123.D

Acq: 01 Mar 2022 17:00

Instrument :

MSVOA_N

ClientSampleId :

MW-38I

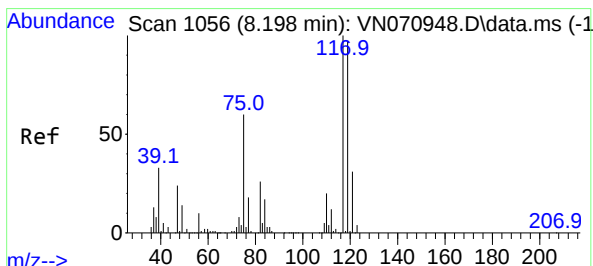
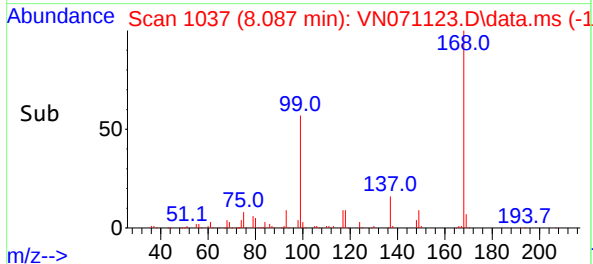
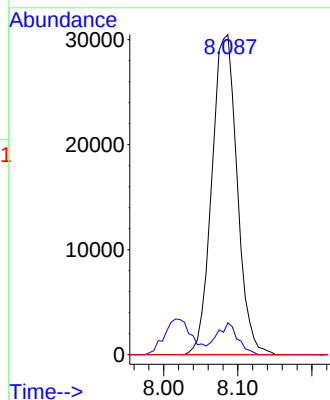
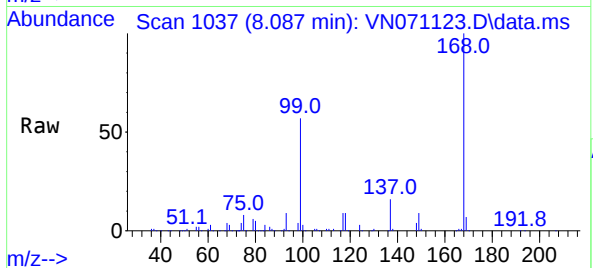
Tgt Ion: 75 Resp: 72245

Ion Ratio Lower Upper

75 100

110 8.3 18.4 55.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.388 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.118 min

Lab File: VN071123.D

Acq: 01 Mar 2022 17:00

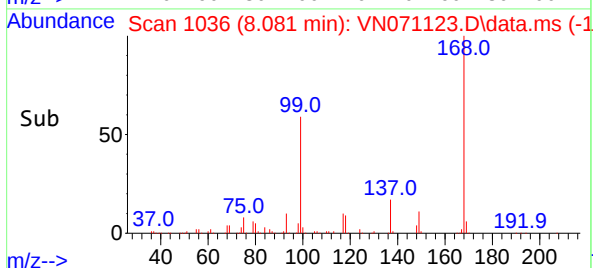
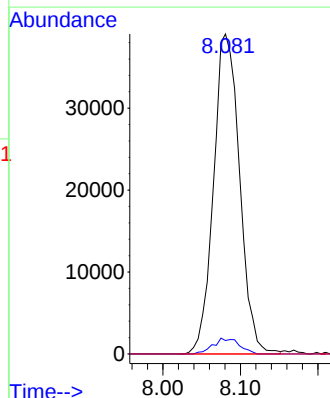
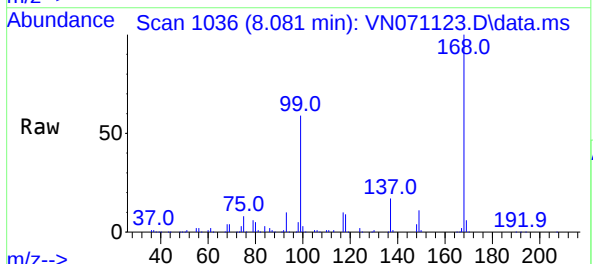
Tgt Ion: 117 Resp: 91365

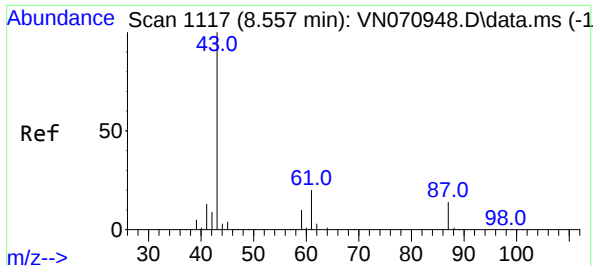
Ion Ratio Lower Upper

117 100

119 4.2 76.1 114.1#

121 0.0 24.2 36.2#





#43

Isopropyl Acetate

Concen: 0.510 ug/l

RT: 8.634 min Scan# 1117

Delta R.T. 0.077 min

Lab File: VN071123.D

Acq: 01 Mar 2022 17:00

Instrument :

MSVOA_N

ClientSampleId :

MW-38I

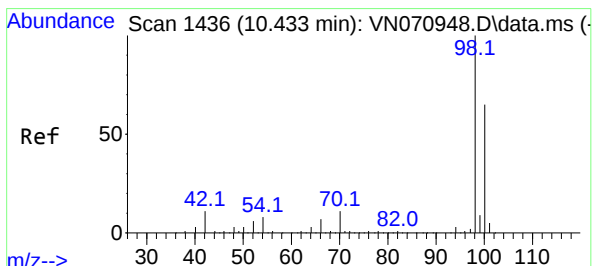
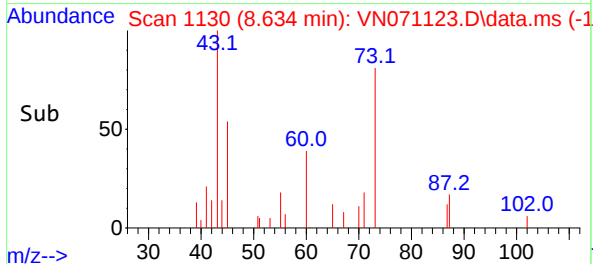
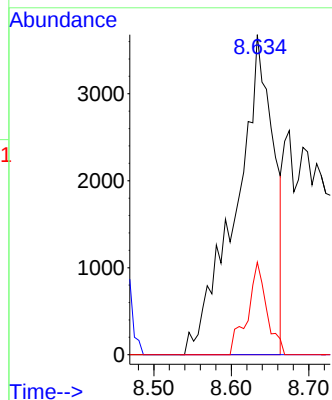
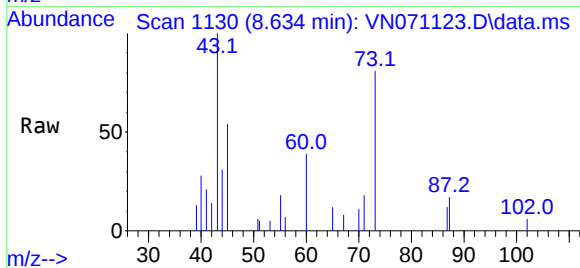
Tgt Ion: 43 Resp: 12513

Ion Ratio Lower Upper

43 100

61 0.0 20.4 30.6#

87 14.6 11.2 16.8



#50

Toluene-d8

Concen: 50.879 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. 0.006 min

Lab File: VN071123.D

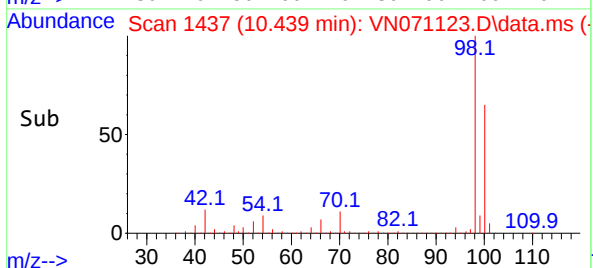
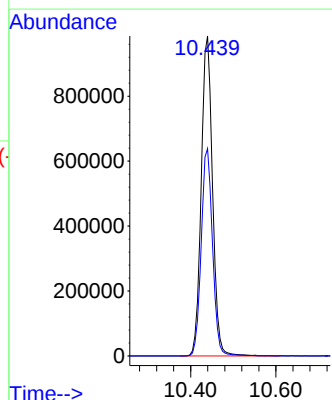
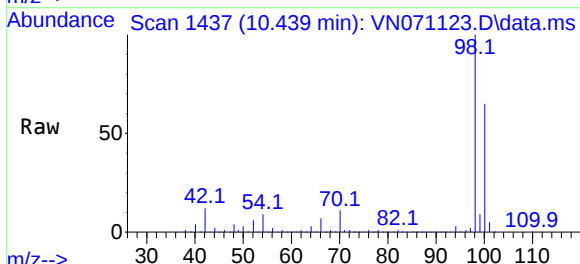
Acq: 01 Mar 2022 17:00

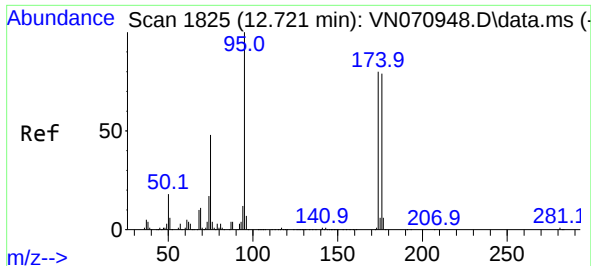
Tgt Ion: 98 Resp: 1810432

Ion Ratio Lower Upper

98 100

100 65.0 50.4 75.6

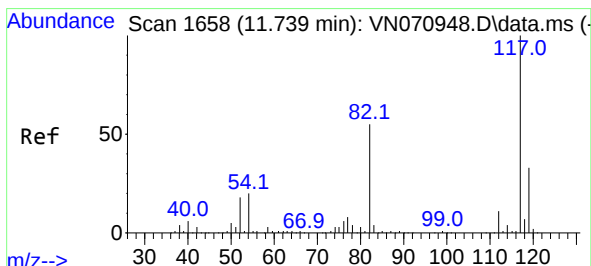
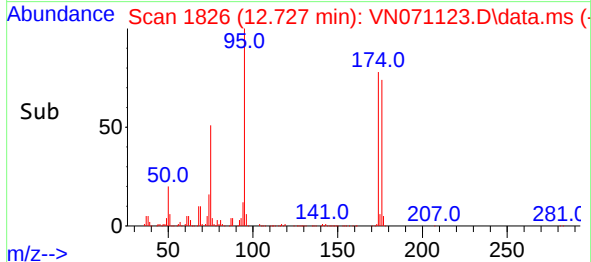
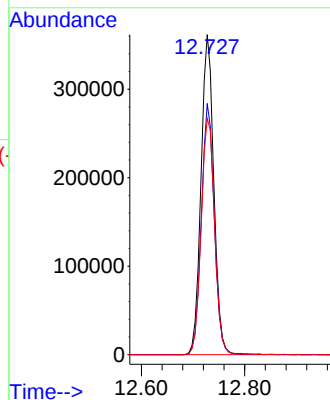
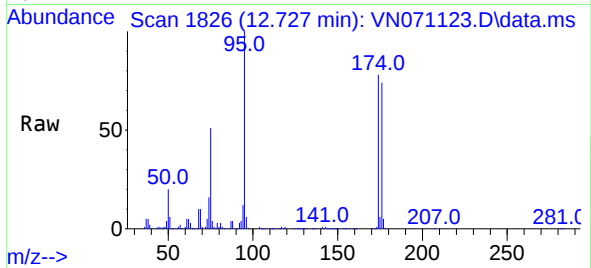




#62
4-Bromofluorobenzene
Concen: 48.851 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN071123.D
Acq: 01 Mar 2022 17:00

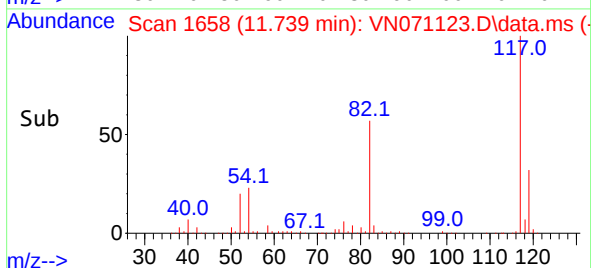
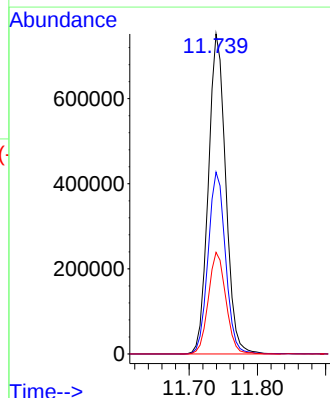
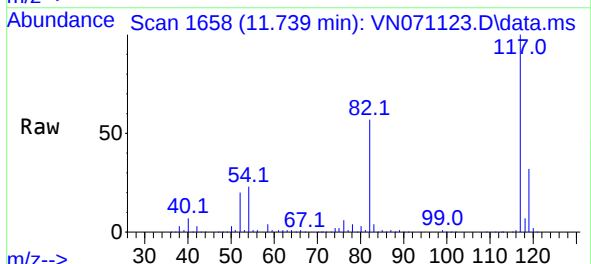
Instrument :
MSVOA_N
ClientSampleId :
MW-38I

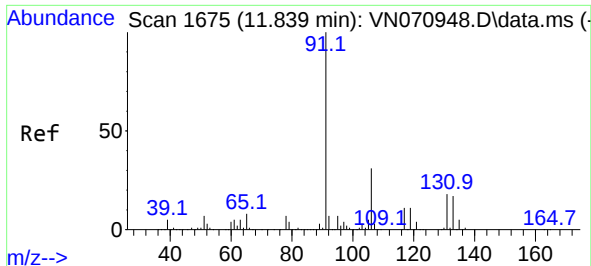
Tgt Ion: 95 Resp: 621335
Ion Ratio Lower Upper
95 100
174 79.1 0.0 187.2
176 76.8 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071123.D
Acq: 01 Mar 2022 17:00

Tgt Ion: 117 Resp: 1334055
Ion Ratio Lower Upper
117 100
82 56.8 42.4 63.6
119 31.8 25.4 38.2





#67

Ethyl Benzene

Concen: 0.267 ug/l

RT: 11.845 min Scan# 1675

Delta R.T. 0.006 min

Lab File: VN071123.D

Acq: 01 Mar 2022 17:00

Instrument :

MSVOA_N

ClientSampleId :

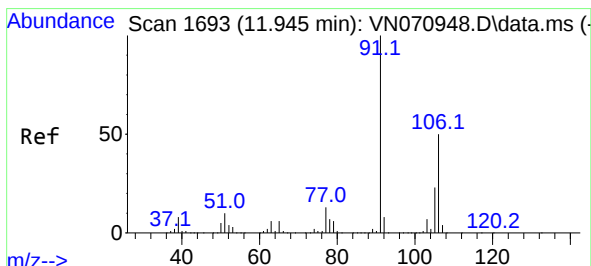
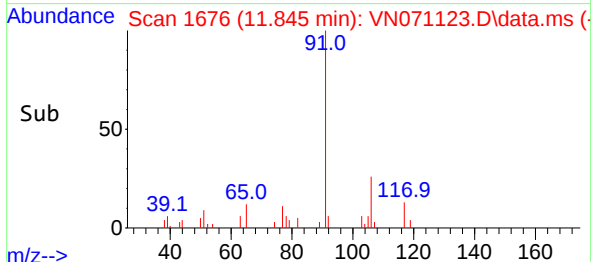
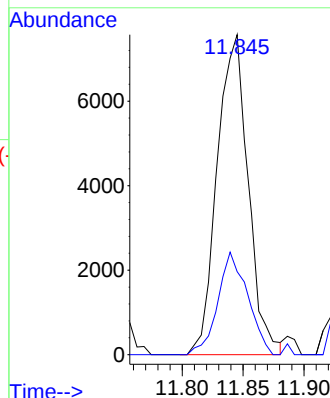
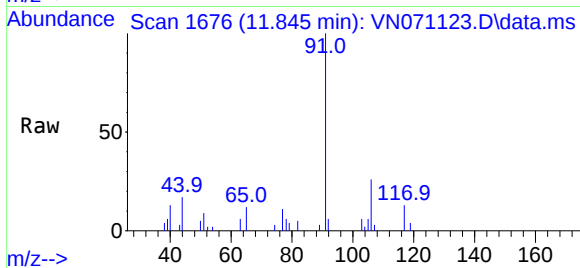
MW-38I

Tgt Ion: 91 Resp: 13416

Ion Ratio Lower Upper

91 100

106 26.0 25.7 38.5



#68

m/p-Xylenes

Concen: 0.570 ug/l

RT: 11.951 min Scan# 1694

Delta R.T. 0.006 min

Lab File: VN071123.D

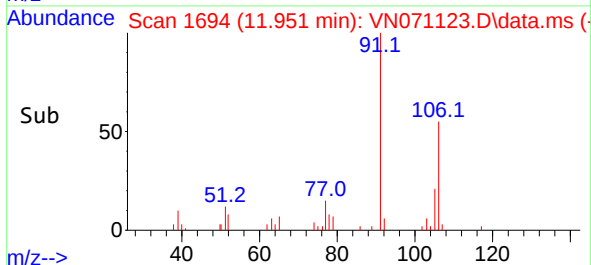
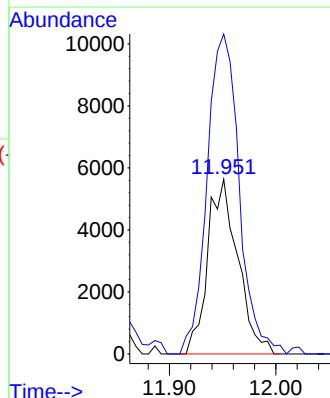
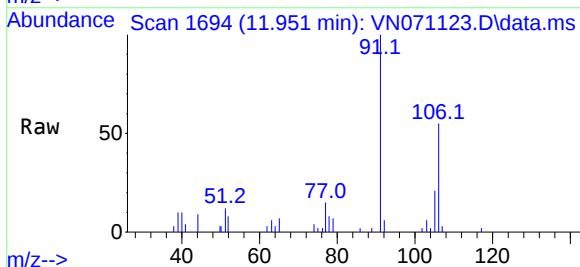
Acq: 01 Mar 2022 17:00

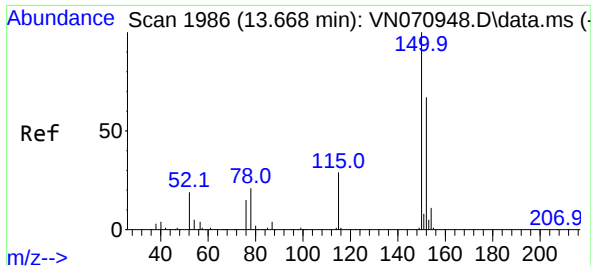
Tgt Ion:106 Resp: 11077

Ion Ratio Lower Upper

106 100

91 195.3 160.6 240.8

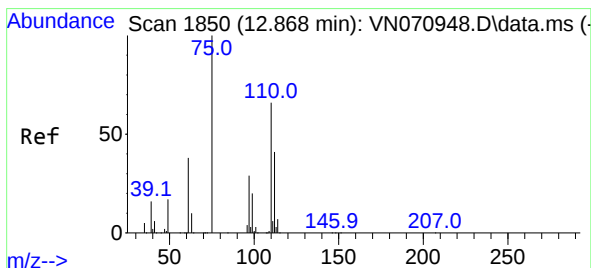
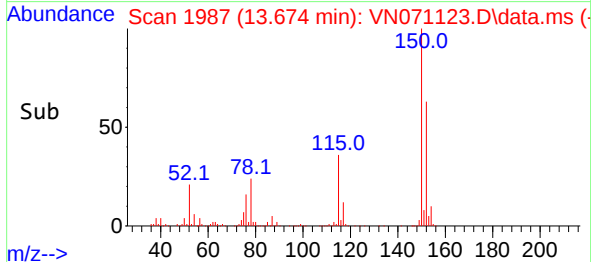
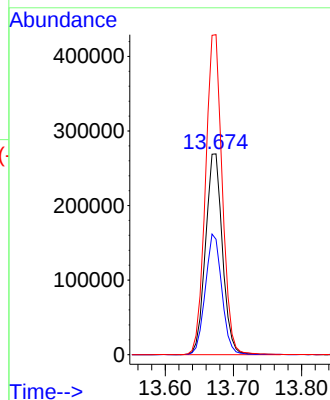
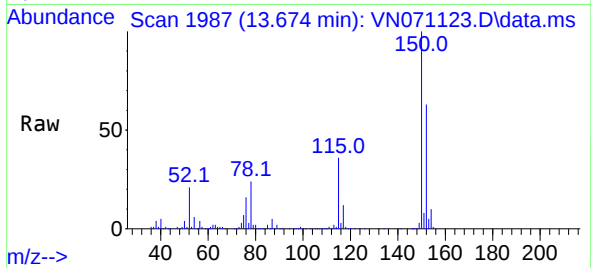




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1986
Delta R.T. 0.006 min
Lab File: VN071123.D
Acq: 01 Mar 2022 17:00

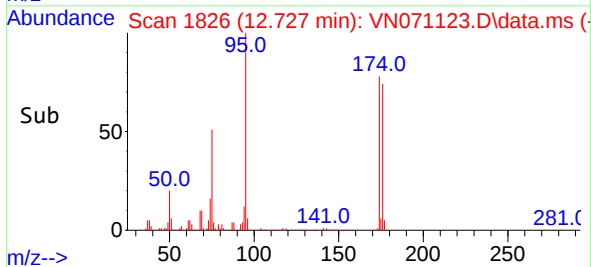
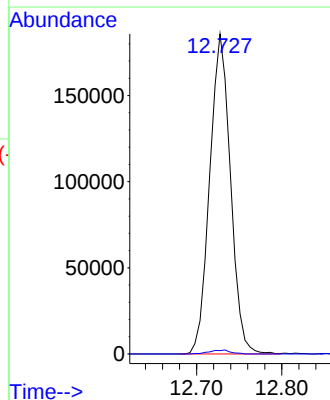
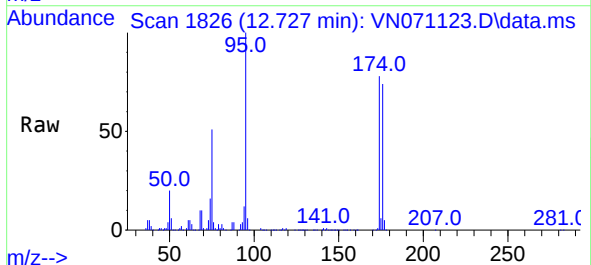
Instrument :
MSVOA_N
ClientSampleId :
MW-38I

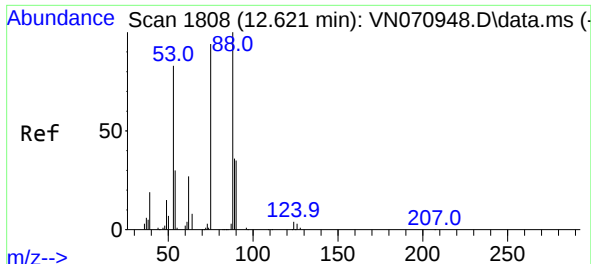
Tgt Ion:152 Resp: 465787
Ion Ratio Lower Upper
152 100
115 58.6 27.5 82.5
150 158.1 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 28.733 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN071123.D
Acq: 01 Mar 2022 17:00

Tgt Ion: 75 Resp: 315113
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#

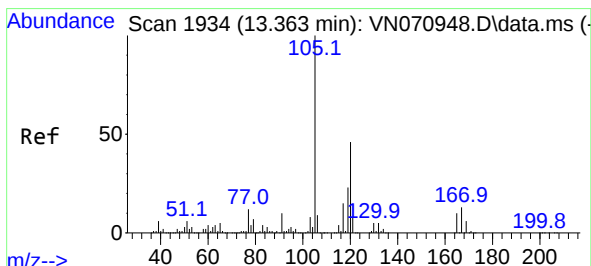
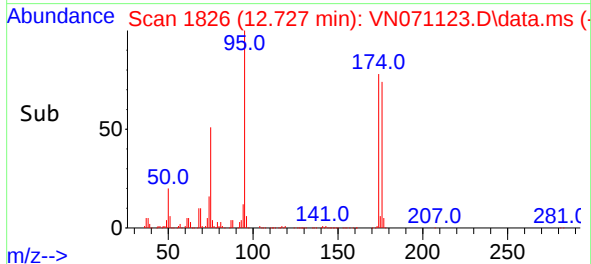
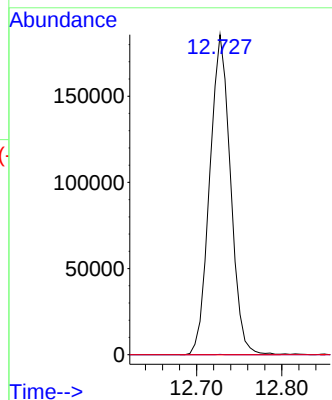
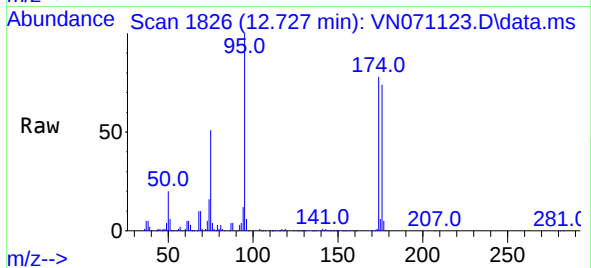




#81
trans-1,4-Dichloro-2-butene
Concen: 93.108 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071123.D
Acq: 01 Mar 2022 17:00

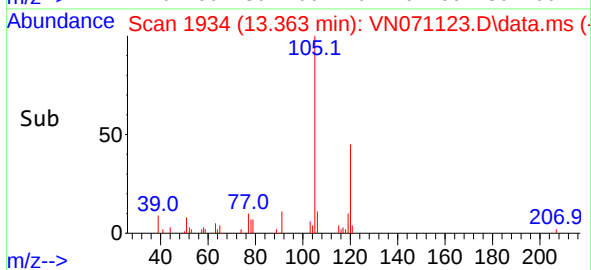
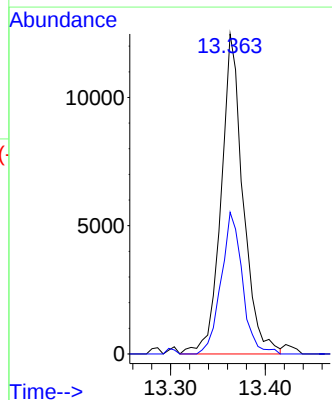
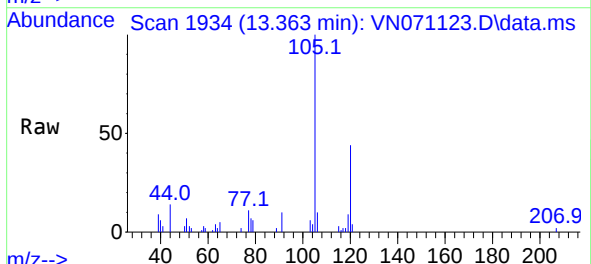
Instrument :
MSVOA_N
ClientSampleId :
MW-38I

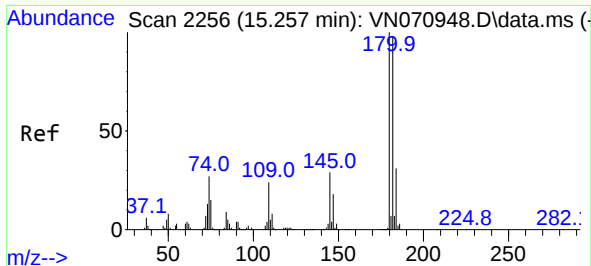
Tgt Ion: 75 Resp: 315113
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#84
1,2,4-Trimethylbenzene
Concen: 0.674 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. 0.000 min
Lab File: VN071123.D
Acq: 01 Mar 2022 17:00

Tgt Ion: 105 Resp: 20157
Ion Ratio Lower Upper
105 100
120 42.8 22.8 68.4

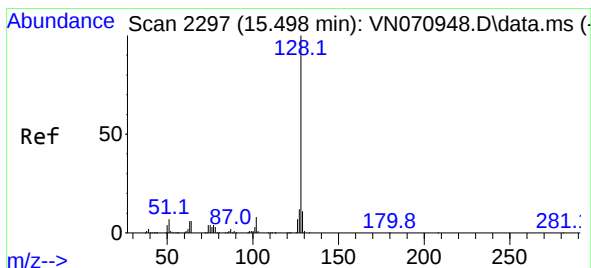
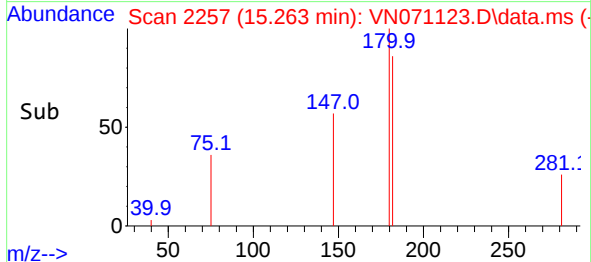
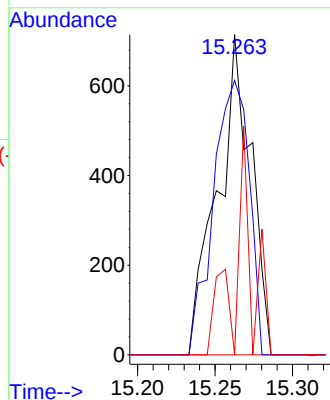
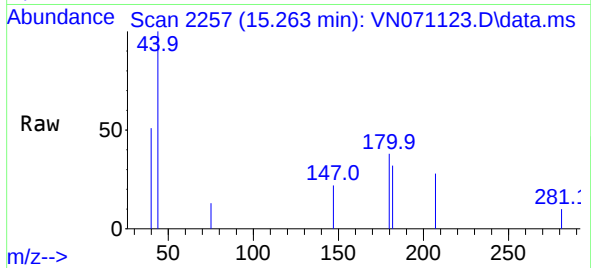




#93
1,2,4-Trichlorobenzene
Concen: 2.119 ug/l
RT: 15.263 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN071123.D
Acq: 01 Mar 2022 17:00

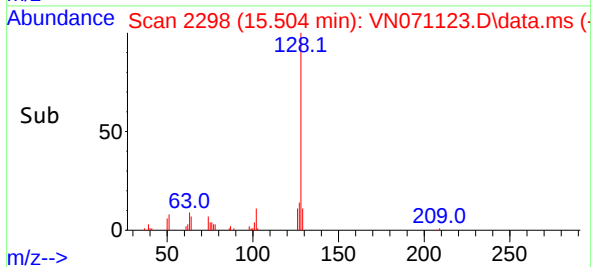
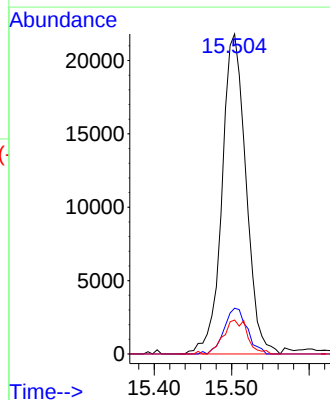
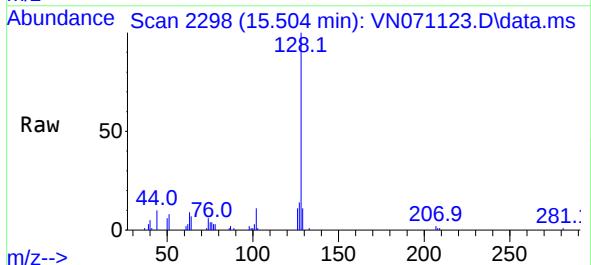
Instrument :
MSVOA_N
ClientSampleId :
MW-38I

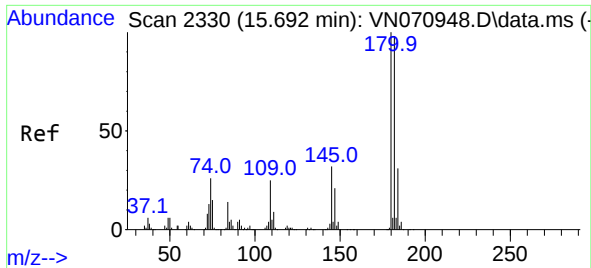
Tgt Ion:180 Resp: 1072
Ion Ratio Lower Upper
180 100
182 91.9 48.3 144.9
145 38.1 14.5 43.5



#95
Naphthalene
Concen: 7.015 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN071123.D
Acq: 01 Mar 2022 17:00

Tgt Ion:128 Resp: 46862
Ion Ratio Lower Upper
128 100
127 13.8 10.5 15.7
129 10.7 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 2.625 ug/l
 RT: 15.692 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN071123.D
 Acq: 01 Mar 2022 17:00

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-38I

Tgt Ion:	180	Resp:	905
Ion	Ratio	Lower	Upper
180	100		
182	110.6	47.4	142.2
145	25.1	15.0	45.1

