

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030122\
 Data File : VN071129.D
 Acq On : 01 Mar 2022 19:24
 Operator : JC\MD
 Sample : N1689-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-45

Quant Time: Mar 02 03:32:54 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)

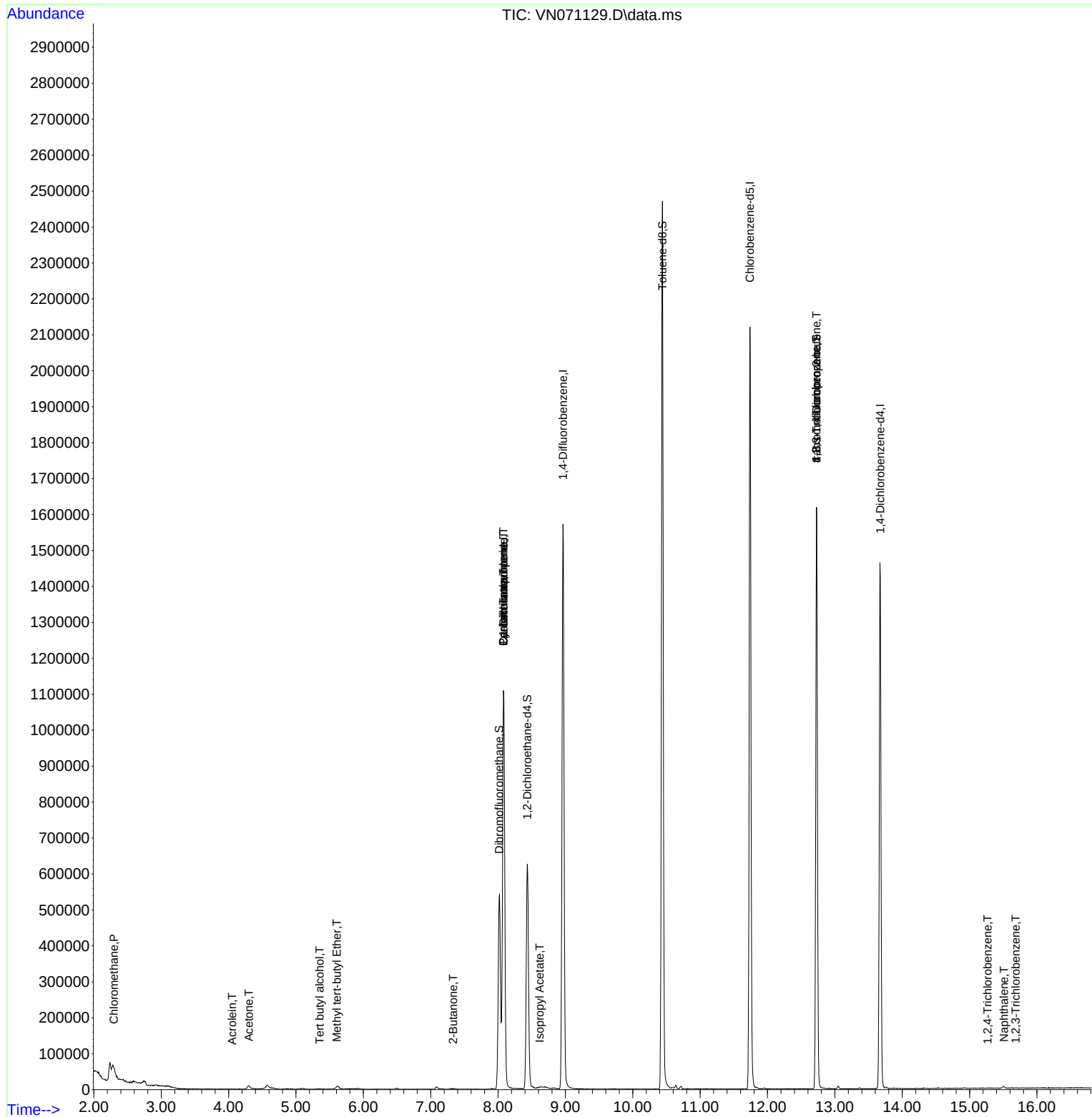
Internal Standards						
1) Pentafluorobenzene	8.080	168	884207	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1396059	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1248745	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	413822	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	525838	52.061	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 104.120%		
35) Dibromofluoromethane	8.016	113	403031	48.536	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 97.080%		
50) Toluene-d8	10.439	98	1699799	50.973	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 101.940%		
62) 4-Bromofluorobenzene	12.727	95	575138	48.251	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 96.500%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	4722	0.409	ug/l #	74
11) Tert butyl alcohol	5.351	59	1058	0.575	ug/l #	71
13) Acrolein	4.051	56	481	0.292	ug/l #	49
16) Acetone	4.298	43	13330	2.396	ug/l #	88
18) Methyl Acetate	4.857	43	1476	Below Cal	#	75
19) Methyl tert-butyl Ether	5.604	73	12571	0.414	ug/l #	89
25) 2-Butanone	7.333	43	1583	0.214	ug/l #	48
31) Cyclohexane	8.080	56	17878	1.023	ug/l #	1
36) 1,1-Dichloropropene	8.080	75	67798	4.984	ug/l #	48
38) Carbon Tetrachloride	8.080	117	84177	6.280	ug/l #	16
43) Isopropyl Acetate	8.616	43	5493	0.239	ug/l #	55
76) 1,2,3-Trichloropropane	12.727	75	291908	29.959	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	291908	97.082	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.268	180	329	2.040	ug/l #	87
95) Naphthalene	15.509	128	5608	5.262	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.686	180	62	2.524	ug/l #	12

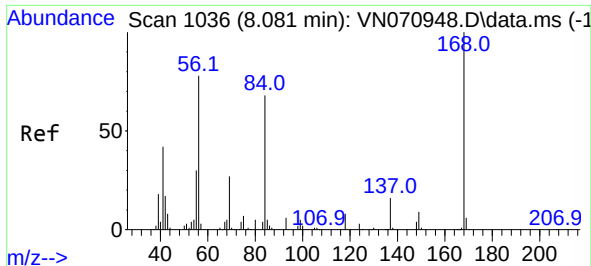
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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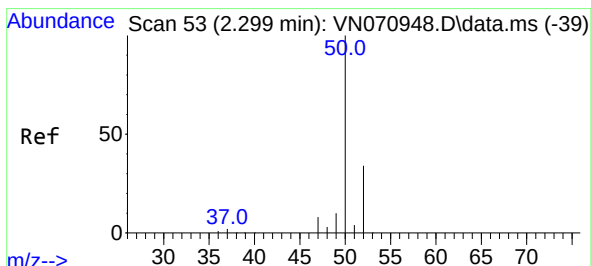
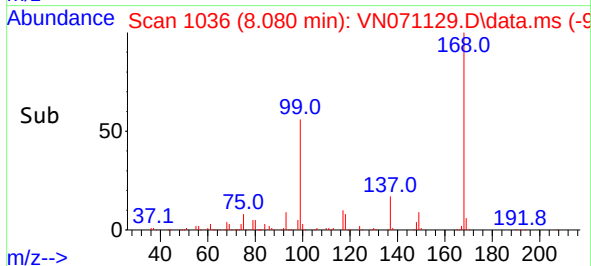
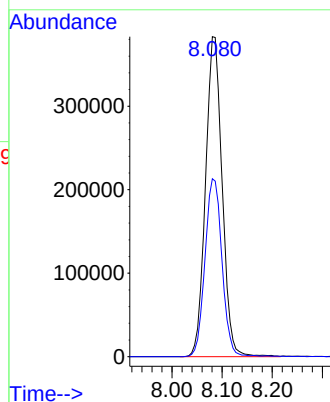
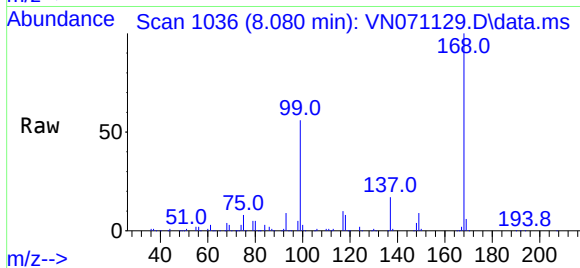




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN071129.D
Acq: 01 Mar 2022 19:24

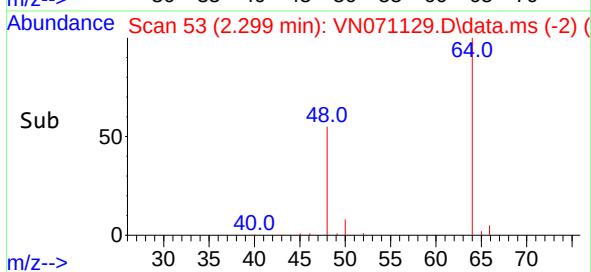
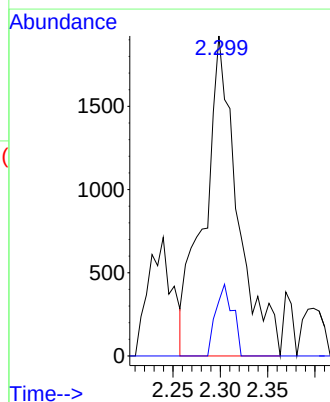
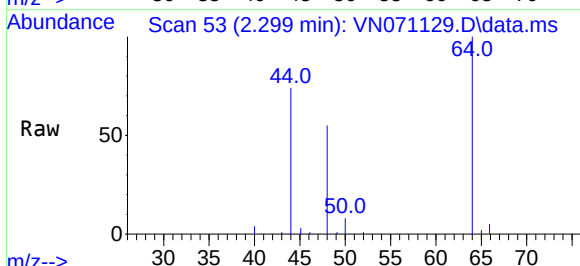
Instrument :
MSVOA_N
ClientSampleId :
MW-45

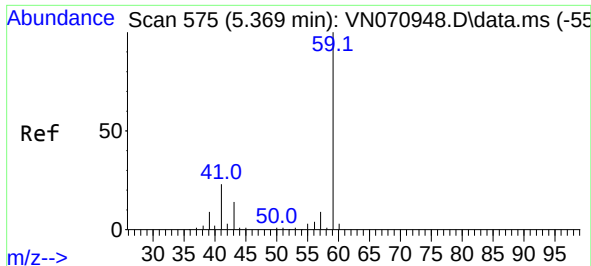
Tgt Ion:168 Resp: 884207
Ion Ratio Lower Upper
168 100
99 55.6 41.3 61.9



#3
Chloromethane
Concen: 0.409 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071129.D
Acq: 01 Mar 2022 19:24

Tgt Ion: 50 Resp: 4722
Ion Ratio Lower Upper
50 100
52 17.2 25.4 38.0#

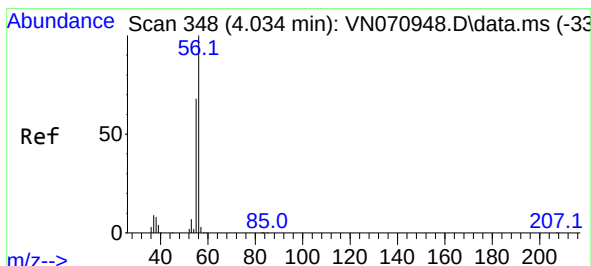
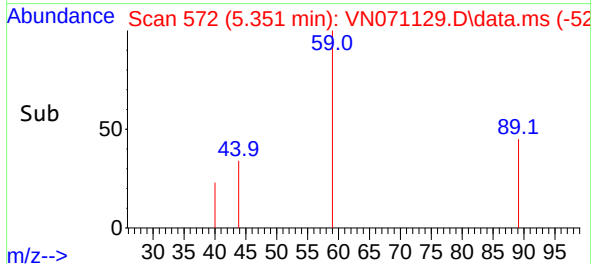
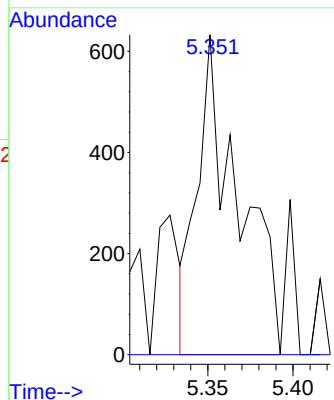
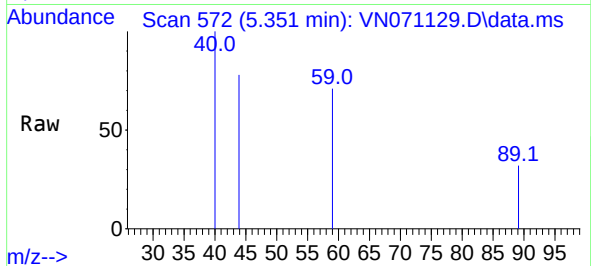




#11
Tert butyl alcohol
Concen: 0.575 ug/l
RT: 5.351 min Scan# 511
Delta R.T. -0.018 min
Lab File: VN071129.D
Acq: 01 Mar 2022 19:24

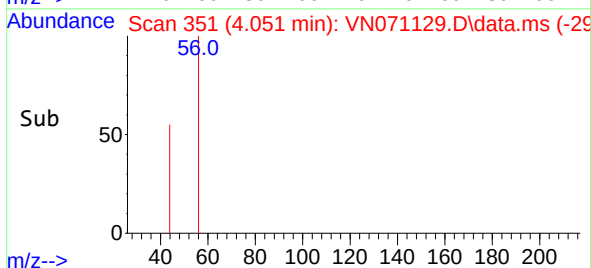
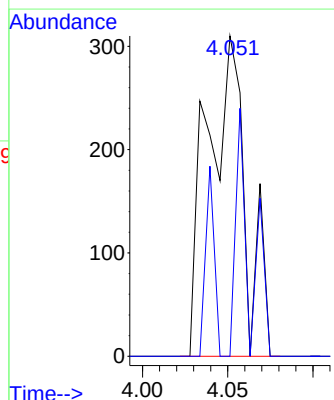
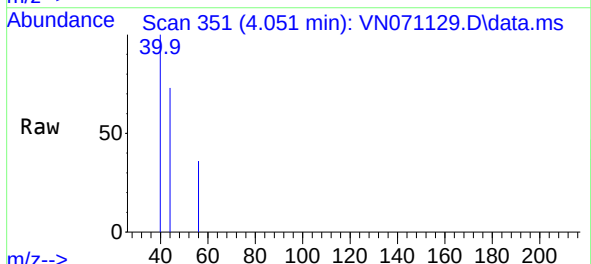
Instrument :
MSVOA_N
ClientSampleId :
MW-45

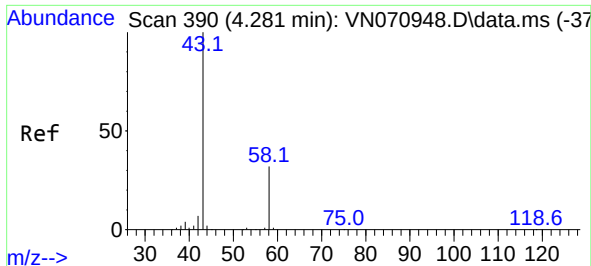
Tgt Ion: 59 Resp: 1058
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: 0.292 ug/l
RT: 4.051 min Scan# 351
Delta R.T. 0.017 min
Lab File: VN071129.D
Acq: 01 Mar 2022 19:24

Tgt Ion: 56 Resp: 481
Ion Ratio Lower Upper
56 100
55 28.9 56.6 85.0#

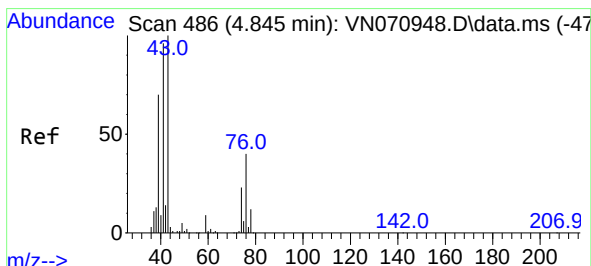
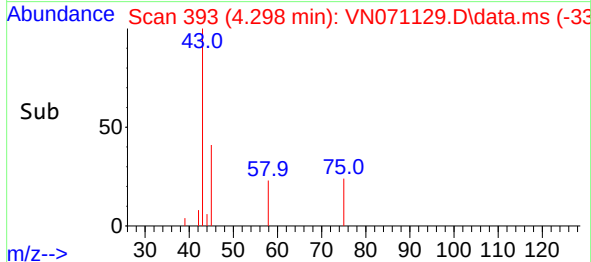
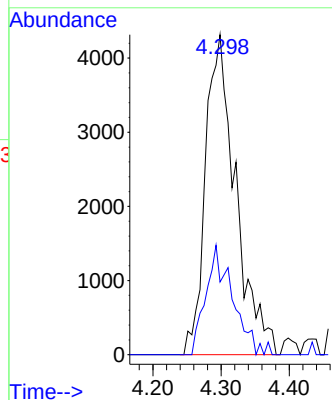
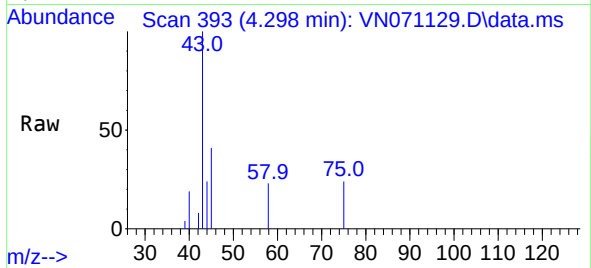




#16
Acetone
Concen: 2.396 ug/l
RT: 4.298 min Scan# 391
Delta R.T. 0.018 min
Lab File: VN071129.D
Acq: 01 Mar 2022 19:24

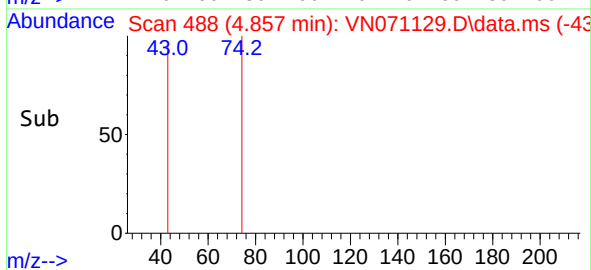
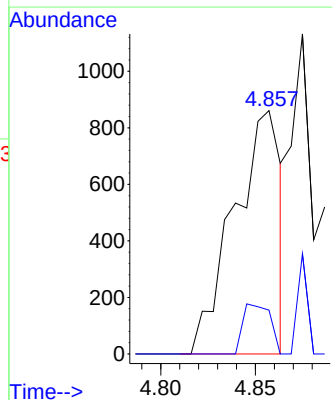
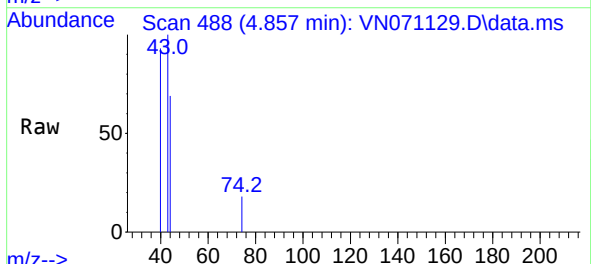
Instrument :
MSVOA_N
ClientSampleId :
MW-45

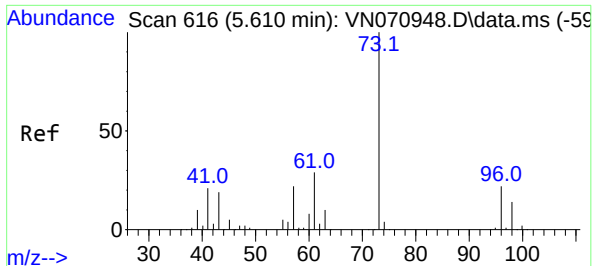
Tgt Ion: 43 Resp: 13330
Ion Ratio Lower Upper
43 100
58 22.7 23.1 34.7#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.857 min Scan# 488
Delta R.T. 0.012 min
Lab File: VN071129.D
Acq: 01 Mar 2022 19:24

Tgt Ion: 43 Resp: 1476
Ion Ratio Lower Upper
43 100
74 11.9 19.4 29.2#





#19

Methyl tert-butyl Ether

Concen: 0.414 ug/l

RT: 5.604 min Scan# 61

Delta R.T. -0.006 min

Lab File: VN071129.D

Acq: 01 Mar 2022 19:24

Instrument :

MSVOA_N

ClientSampleId :

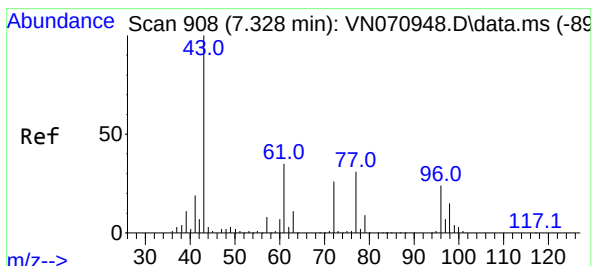
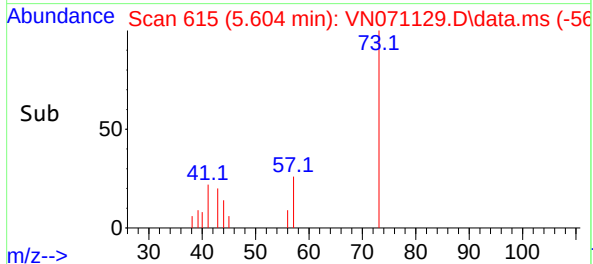
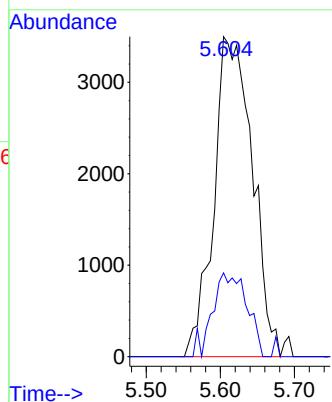
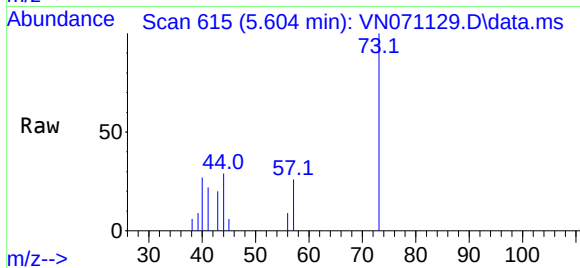
MW-45

Tgt Ion: 73 Resp: 12571

Ion Ratio Lower Upper

73 100

57 26.2 16.8 25.2#



#25

2-Butanone

Concen: 0.214 ug/l

RT: 7.333 min Scan# 909

Delta R.T. 0.006 min

Lab File: VN071129.D

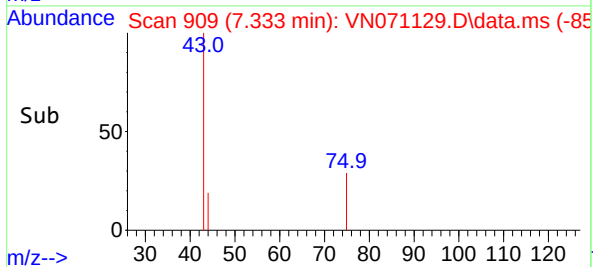
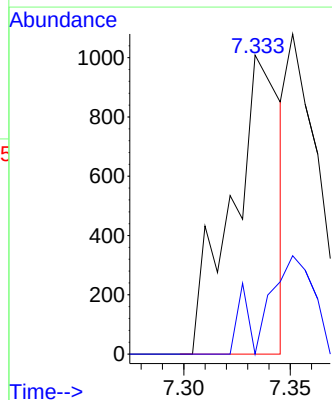
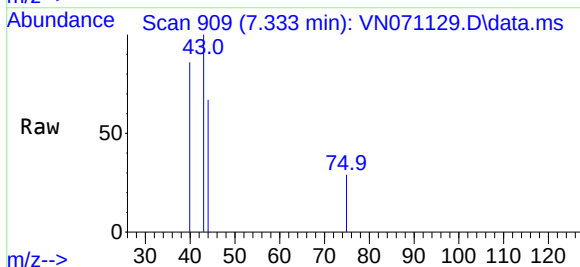
Acq: 01 Mar 2022 19:24

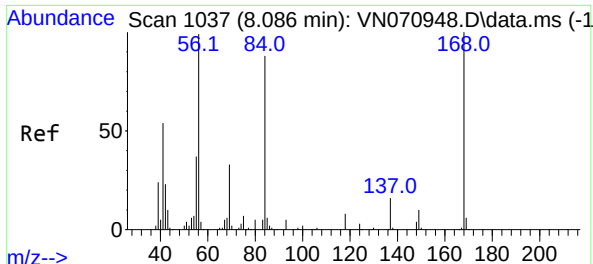
Tgt Ion: 43 Resp: 1583

Ion Ratio Lower Upper

43 100

72 0.0 21.7 32.5#

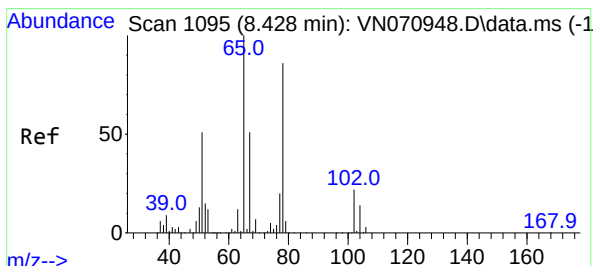
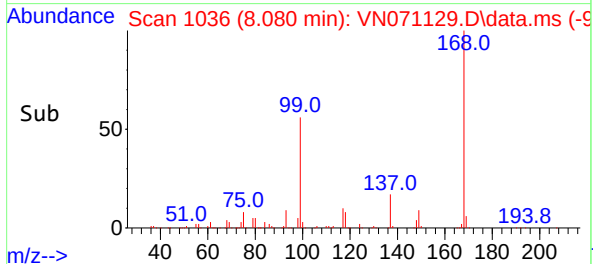
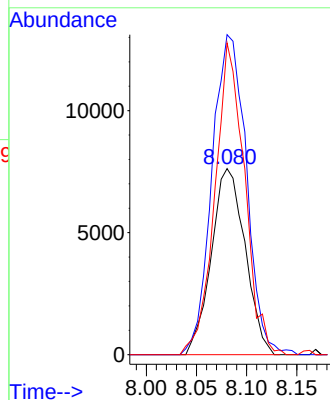
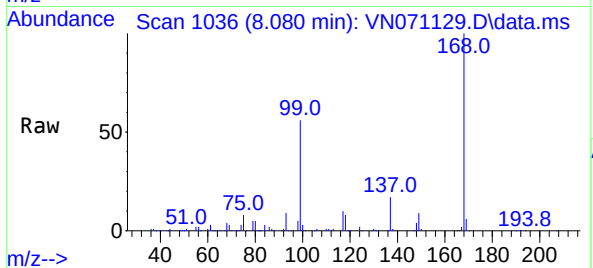




#31
Cyclohexane
Concen: 1.023 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VN071129.D
Acq: 01 Mar 2022 19:24

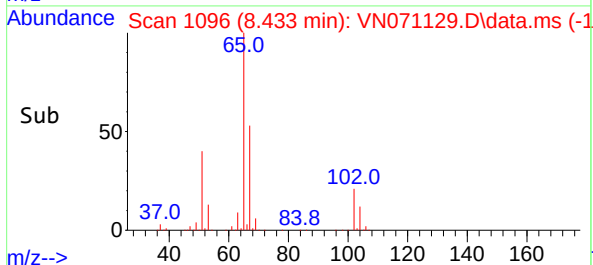
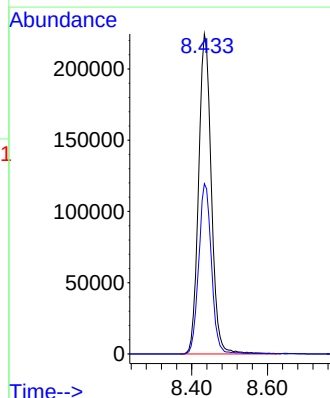
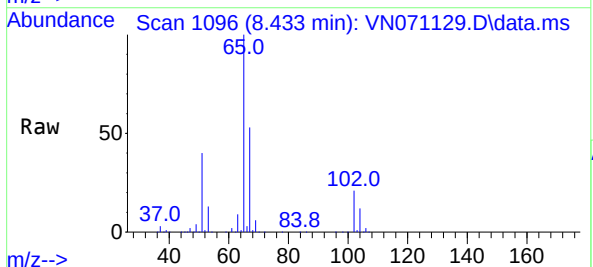
Instrument :
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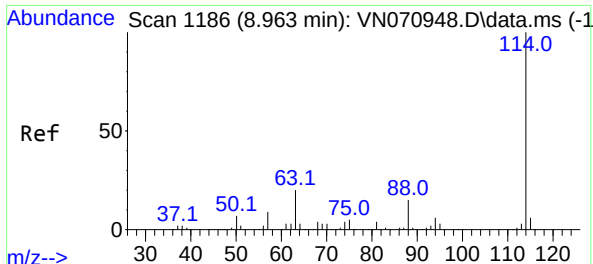
Tgt Ion: 56 Resp: 17878
Ion Ratio Lower Upper
56 100
69 172.0 27.1 40.7#
84 167.5 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 52.061 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. 0.006 min
Lab File: VN071129.D
Acq: 01 Mar 2022 19:24

Tgt Ion: 65 Resp: 525838
Ion Ratio Lower Upper
65 100
67 53.0 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: VN071129.D

Acq: 01 Mar 2022 19:24

Instrument :

MSVOA_N

ClientSampleId :

MW-45

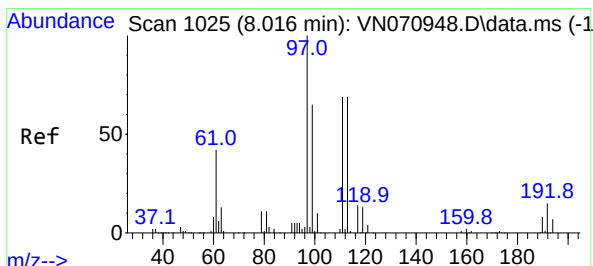
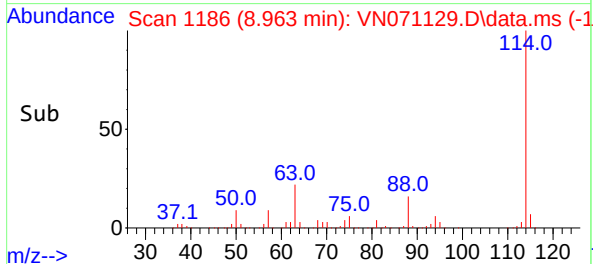
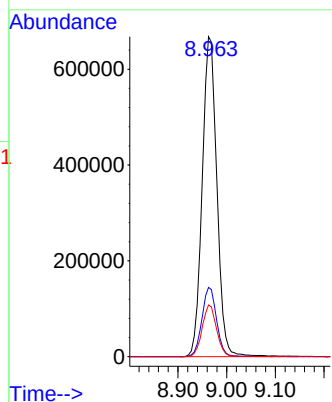
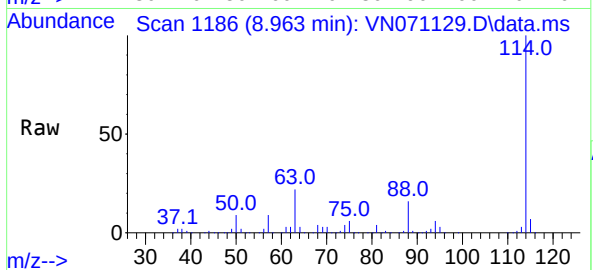
Tgt Ion:114 Resp: 1396059

Ion Ratio Lower Upper

114 100

63 21.6 0.0 37.8

88 16.2 0.0 27.4



#35

Dibromofluoromethane

Concen: 48.536 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. -0.000 min

Lab File: VN071129.D

Acq: 01 Mar 2022 19:24

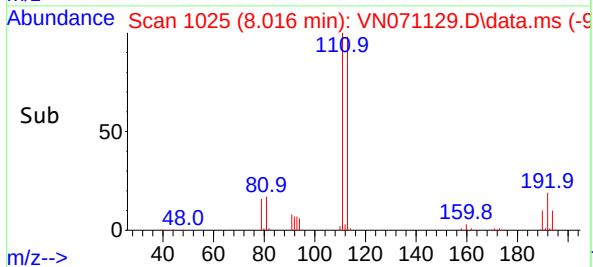
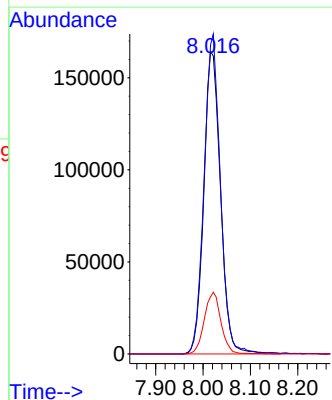
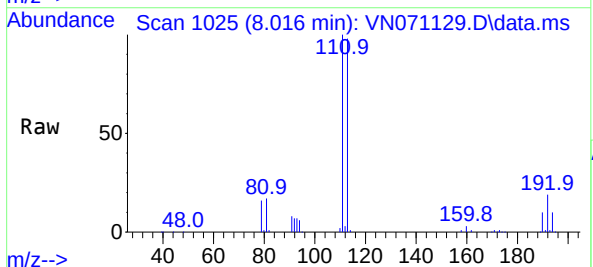
Tgt Ion:113 Resp: 403031

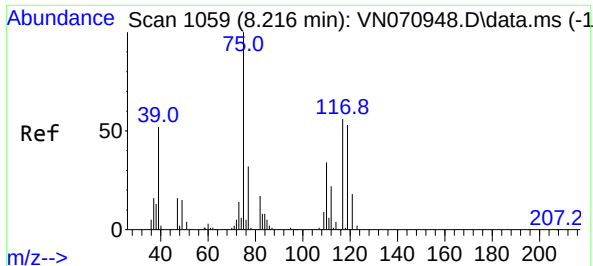
Ion Ratio Lower Upper

113 100

111 103.5 82.2 123.2

192 20.3 16.9 25.3

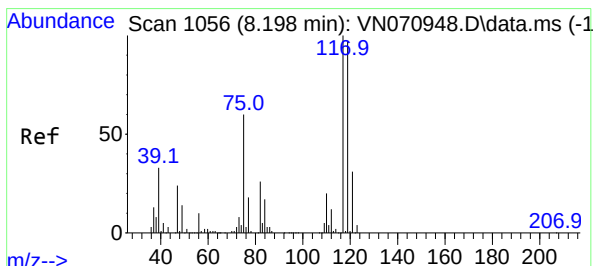
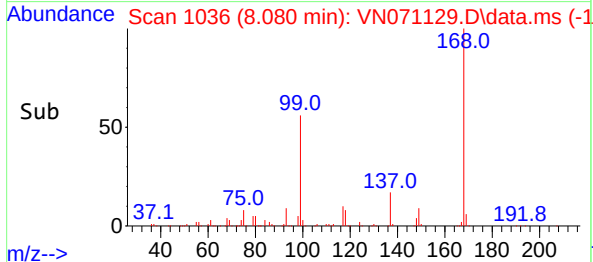
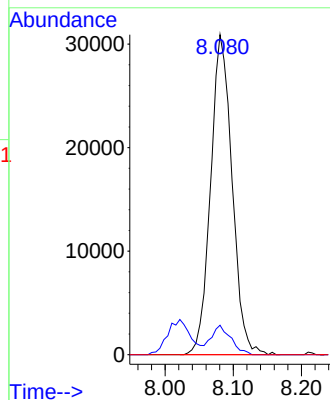
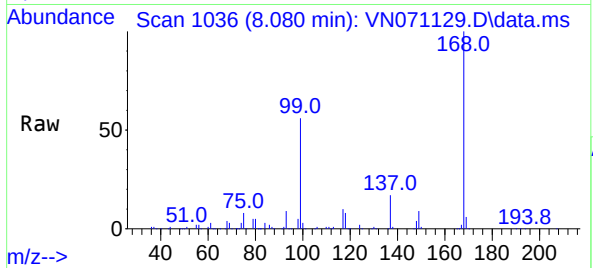




#36
1,1-Dichloropropene
Concen: 4.984 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071129.D
Acq: 01 Mar 2022 19:24

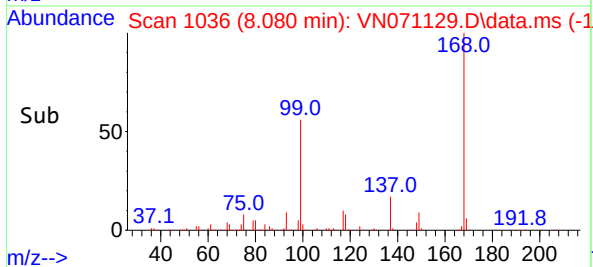
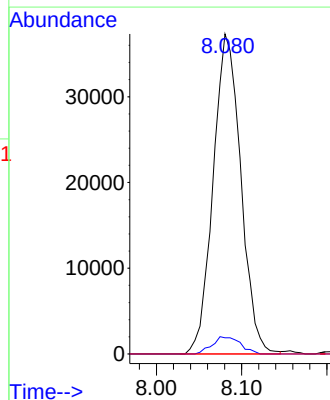
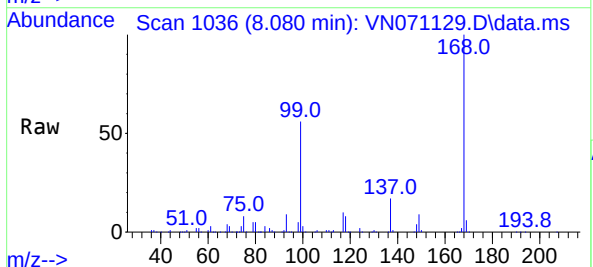
Instrument :
MSVOA_N
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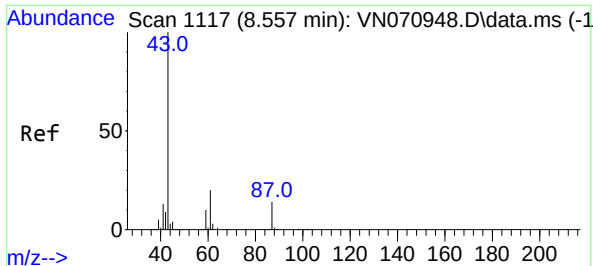
Tgt Ion: 75 Resp: 67798
Ion Ratio Lower Upper
75 100
110 8.3 18.4 55.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.280 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.118 min
Lab File: VN071129.D
Acq: 01 Mar 2022 19:24

Tgt Ion: 117 Resp: 84177
Ion Ratio Lower Upper
117 100
119 5.1 76.1 114.1#
121 0.0 24.2 36.2#

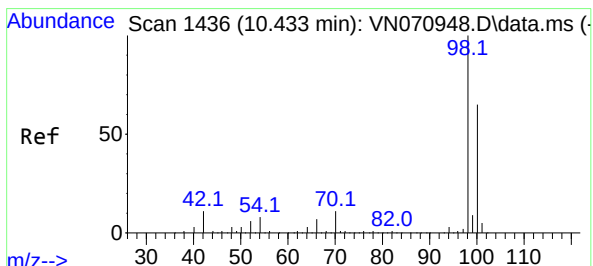
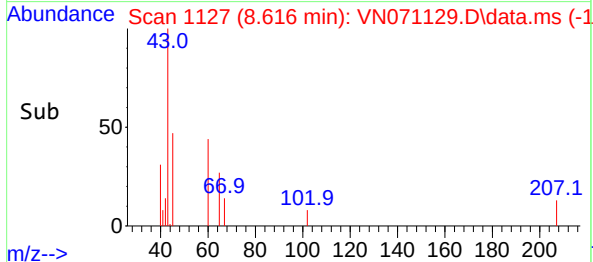
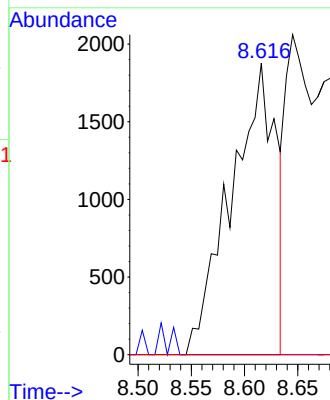
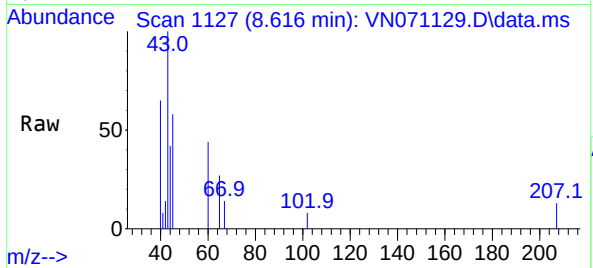




#43
Isopropyl Acetate
Concen: 0.239 ug/l
RT: 8.616 min Scan# 1117
Delta R.T. 0.059 min
Lab File: VN071129.D
Acq: 01 Mar 2022 19:24

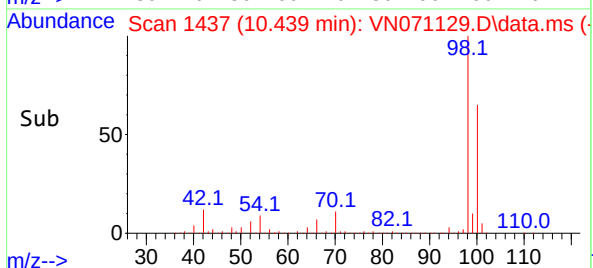
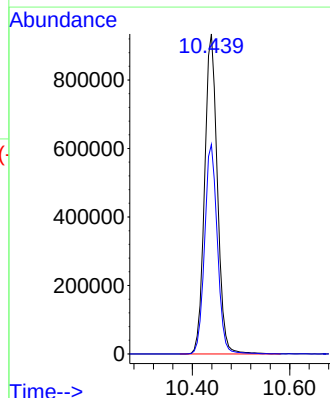
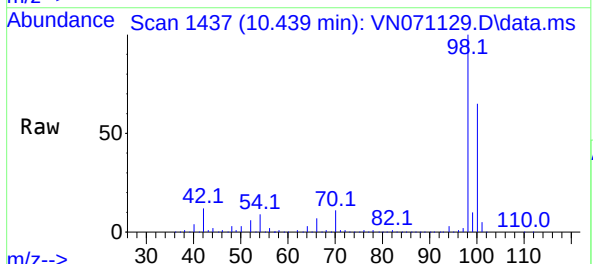
Instrument :
MSVOA_N
ClientSampleId :
MW-45

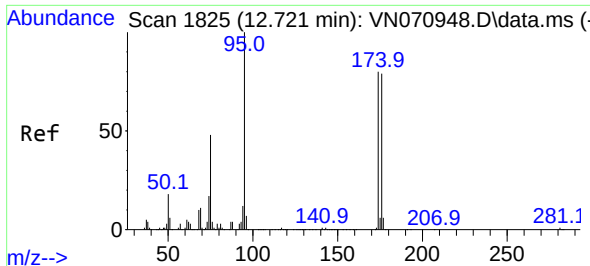
Tgt Ion: 43 Resp: 5493
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#



#50
Toluene-d8
Concen: 50.973 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.006 min
Lab File: VN071129.D
Acq: 01 Mar 2022 19:24

Tgt Ion: 98 Resp: 1699799
Ion Ratio Lower Upper
98 100
100 65.5 50.4 75.6

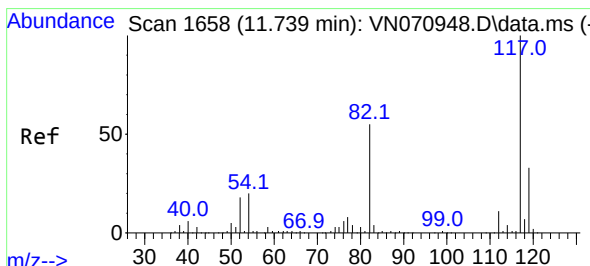
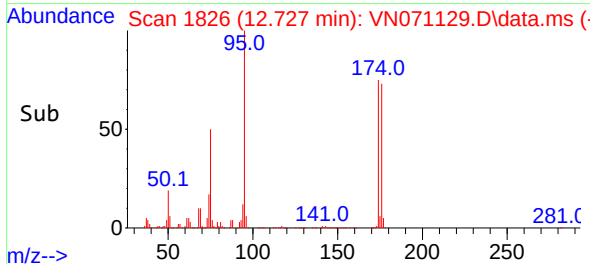
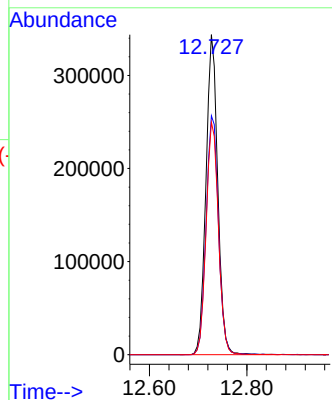
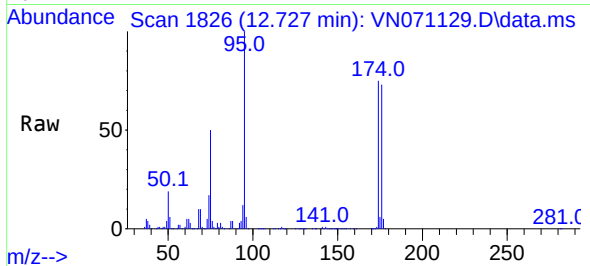




#62
4-Bromofluorobenzene
Concen: 48.251 ug/l
RT: 12.727 min Scan# 1825
Delta R.T. 0.006 min
Lab File: VN071129.D
Acq: 01 Mar 2022 19:24

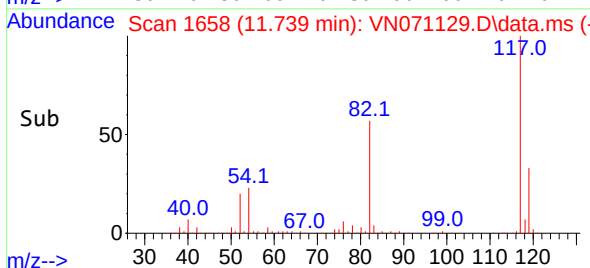
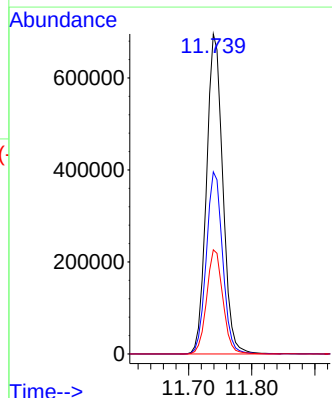
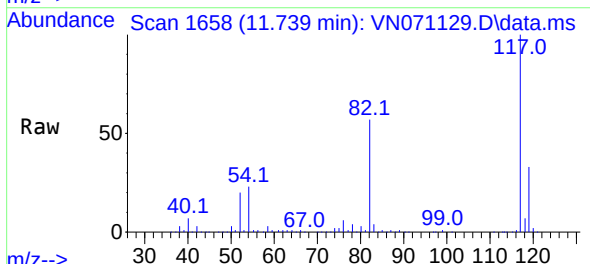
Instrument :
MSVOA_N
ClientSampleId :
MW-45

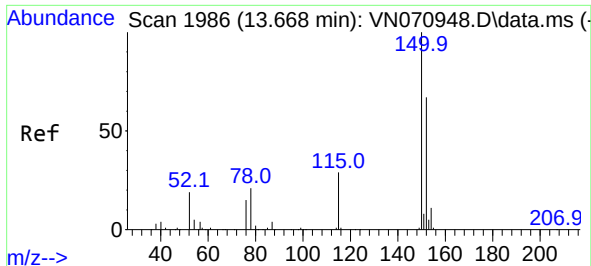
Tgt Ion: 95 Resp: 575138
Ion Ratio Lower Upper
95 100
174 78.4 0.0 187.2
176 75.7 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VN071129.D
Acq: 01 Mar 2022 19:24

Tgt Ion: 117 Resp: 1248745
Ion Ratio Lower Upper
117 100
82 56.9 42.4 63.6
119 32.5 25.4 38.2

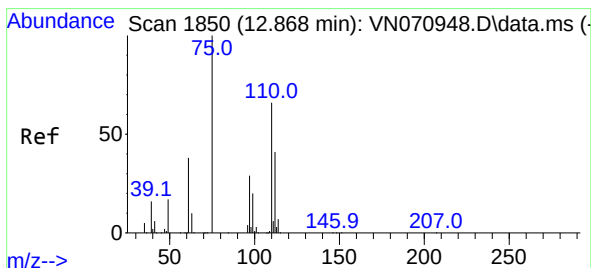
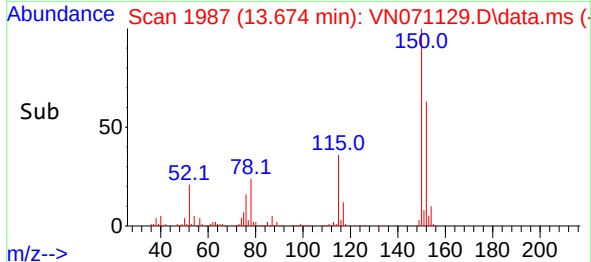
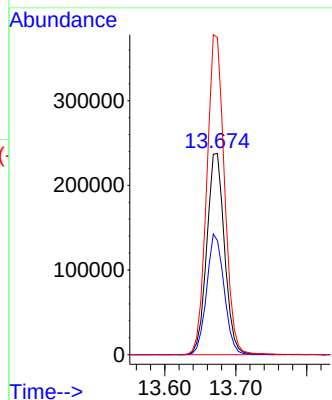
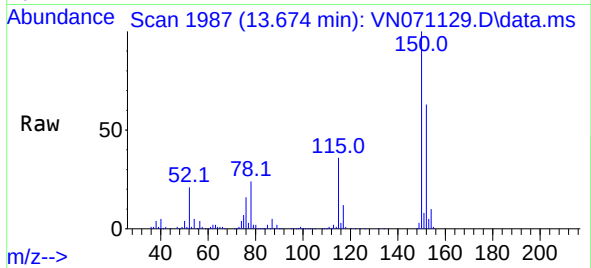




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.674 min Scan# 1986
 Delta R.T. 0.006 min
 Lab File: VN071129.D
 Acq: 01 Mar 2022 19:24

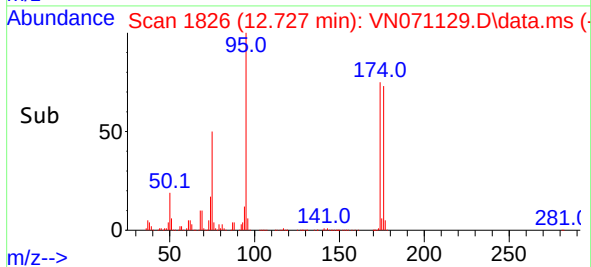
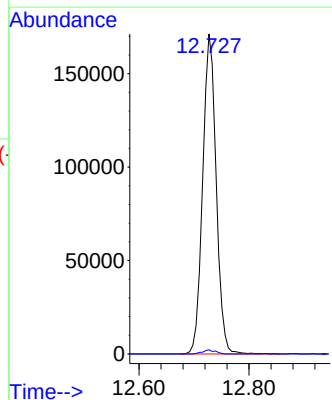
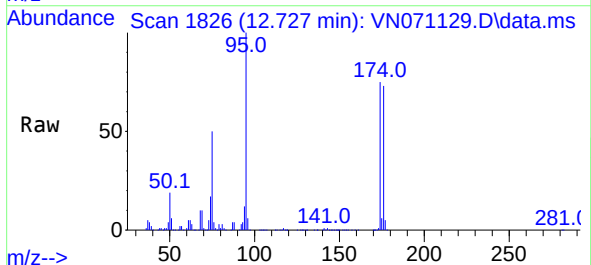
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-45

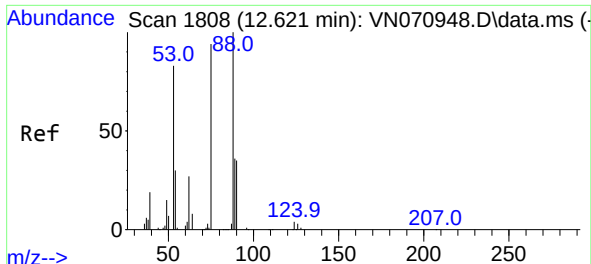
Tgt Ion:152 Resp: 413822
 Ion Ratio Lower Upper
 152 100
 115 59.0 27.5 82.5
 150 158.6 0.0 344.4



#76
 1,2,3-Trichloropropane
 Concen: 29.959 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. -0.141 min
 Lab File: VN071129.D
 Acq: 01 Mar 2022 19:24

Tgt Ion: 75 Resp: 291908
 Ion Ratio Lower Upper
 75 100
 77 1.2 82.6 247.8#

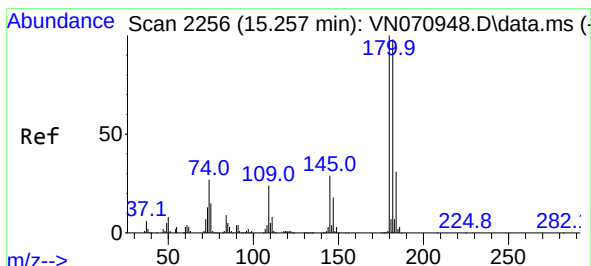
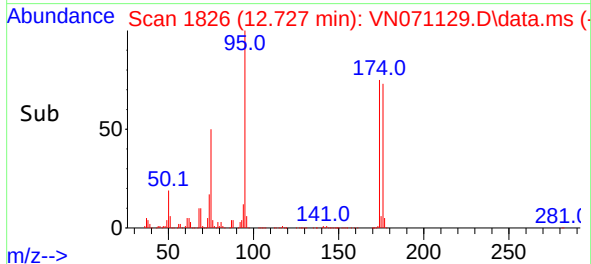
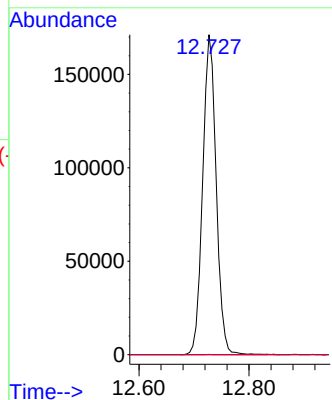
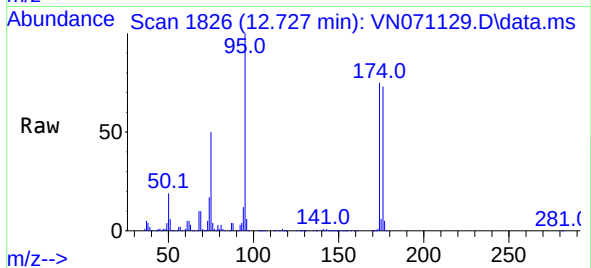




#81
 trans-1,4-Dichloro-2-butene
 Concen: 97.082 ug/l
 RT: 12.727 min Scan# 1808
 Delta R.T. 0.106 min
 Lab File: VN071129.D
 Acq: 01 Mar 2022 19:24

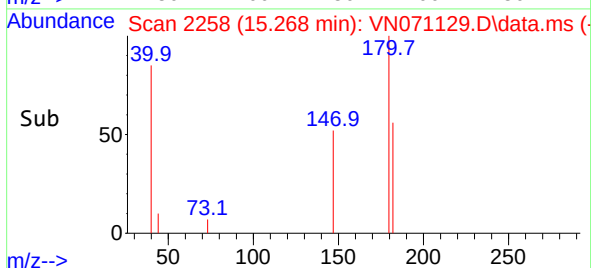
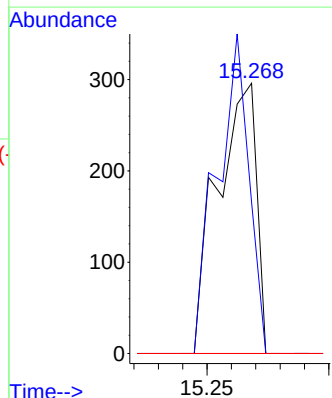
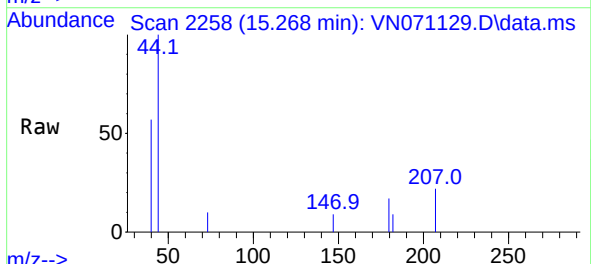
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-45

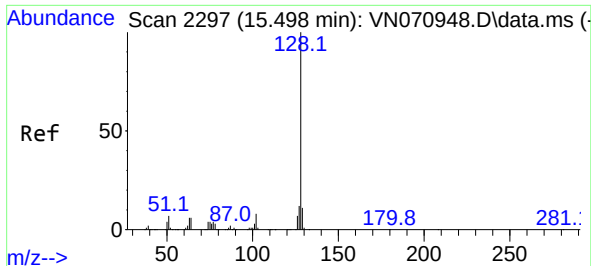
Tgt Ion: 75 Resp: 291908
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 38.2 57.4#



#93
 1,2,4-Trichlorobenzene
 Concen: 2.040 ug/l
 RT: 15.268 min Scan# 2258
 Delta R.T. 0.011 min
 Lab File: VN071129.D
 Acq: 01 Mar 2022 19:24

Tgt Ion: 180 Resp: 329
 Ion Ratio Lower Upper
 180 100
 182 96.7 48.3 144.9
 145 0.0 14.5 43.5#

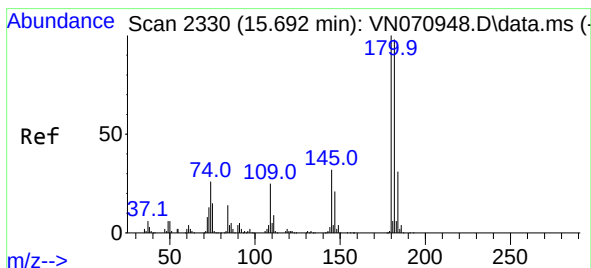
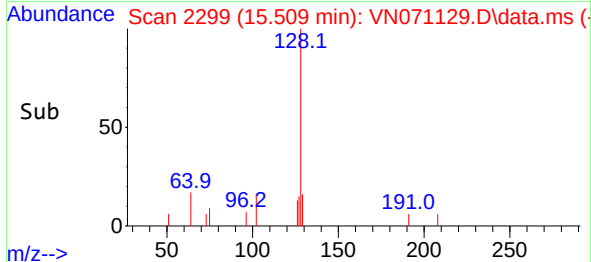
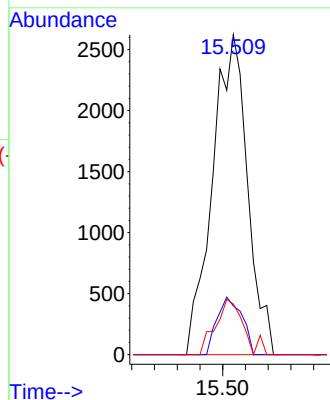
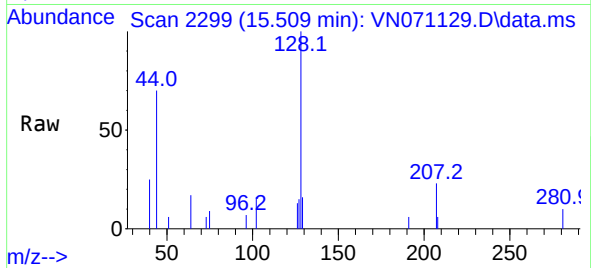




#95
Naphthalene
Concen: 5.262 ug/l
RT: 15.509 min Scan# 21
Delta R.T. 0.011 min
Lab File: VN071129.D
Acq: 01 Mar 2022 19:24

Instrument :
MSVOA_N
ClientSampleId :
MW-45

Tgt Ion:128 Resp: 5608
Ion Ratio Lower Upper
128 100
127 12.9 10.5 15.7
129 13.7 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.524 ug/l
RT: 15.686 min Scan# 2329
Delta R.T. -0.006 min
Lab File: VN071129.D
Acq: 01 Mar 2022 19:24

Tgt Ion:180 Resp: 62
Ion Ratio Lower Upper
180 100
182 0.0 47.4 142.2#
145 0.0 15.0 45.1#

