

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022322\
 Data File : VN071045.D
 Acq On : 23 Feb 2022 20:09
 Operator : JC\MD
 Sample : N1638-01 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30960

Quant Time: Feb 24 00:42:21 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)

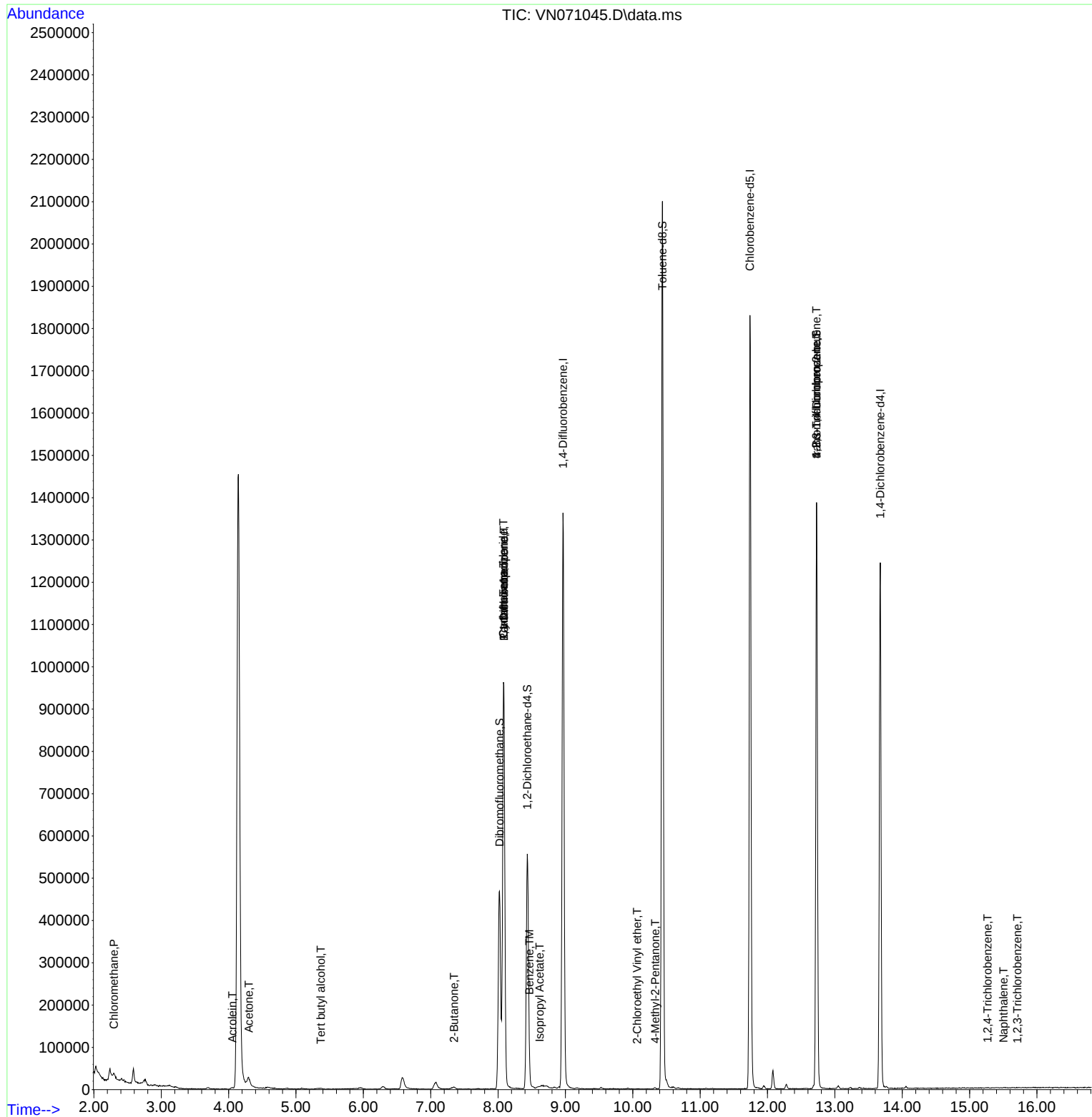
Internal Standards						
1) Pentafluorobenzene	8.086	168	757962	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1213130	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1078274	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	360806	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	460291	53.162	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	=	106.320%	
35) Dibromofluoromethane	8.022	113	354438	49.120	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	=	98.240%	
50) Toluene-d8	10.439	98	1471589	50.784	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	=	101.560%	
62) 4-Bromofluorobenzene	12.727	95	485835	46.905	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	=	93.800%	
Target Compounds						
						Qvalue
3) Chloromethane	2.299	50	2659	0.269	ug/l	95
11) Tert butyl alcohol	5.369	59	2356	1.493	ug/l #	85
13) Acrolein	4.057	56	4204	2.982	ug/l	87
16) Acetone	4.298	43	33687	7.065	ug/l #	59
18) Methyl Acetate	4.875	43	3949	Below Cal	#	68
25) 2-Butanone	7.345	43	8773	1.383	ug/l	91
31) Cyclohexane	8.081	56	16411	1.096	ug/l #	1
36) 1,1-Dichloropropene	8.086	75	56492	4.779	ug/l #	50
38) Carbon Tetrachloride	8.081	117	73444	6.305	ug/l #	16
40) Benzene	8.463	78	12039	0.344	ug/l #	83
43) Isopropyl Acetate	8.616	43	5142	0.257	ug/l #	55
51) 4-Methyl-2-Pentanone	10.333	43	2902	0.239	ug/l	91
58) 2-Chloroethyl Vinyl ether	10.063	63	55	31.818	ug/l #	45
76) 1,2,3-Trichloropropane	12.727	75	248074	29.202	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	248074	94.627	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.268	180	384	2.054	ug/l	93
95) Naphthalene	15.504	128	1410	5.068	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.709	180	360	2.572	ug/l #	27

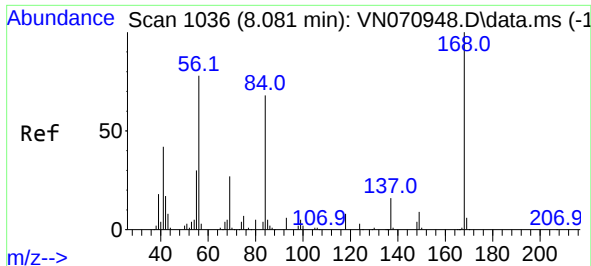
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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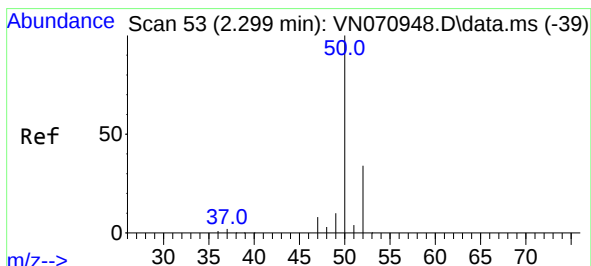
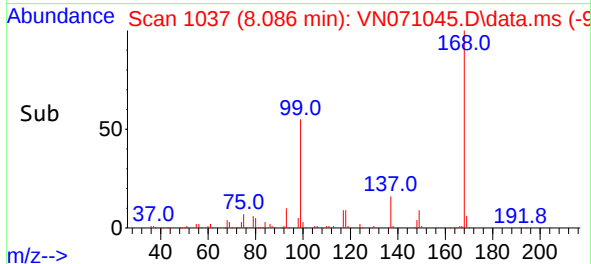
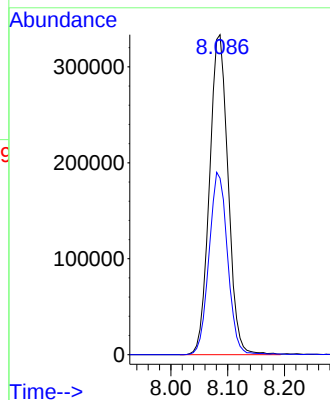
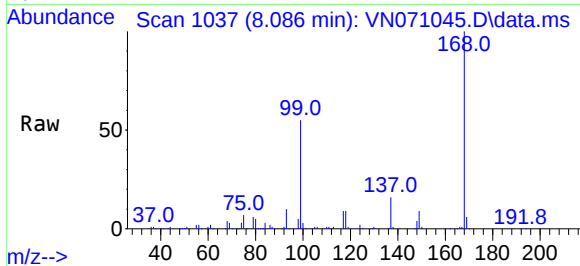




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN071045.D
Acq: 23 Feb 2022 20:09

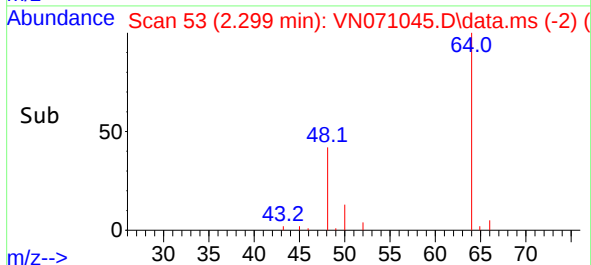
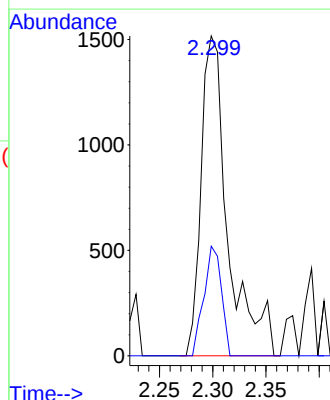
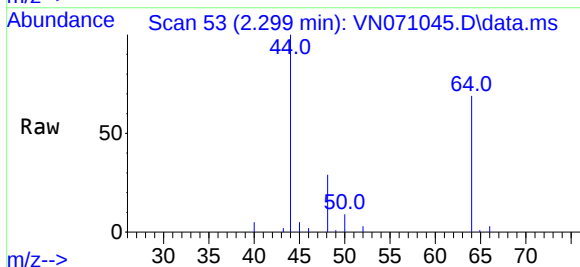
Instrument :
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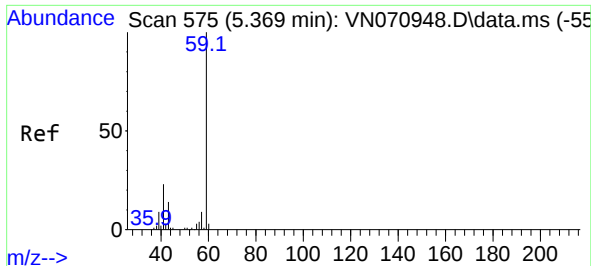
Tgt Ion:168 Resp: 757962
Ion Ratio Lower Upper
168 100
99 55.2 41.3 61.9



#3
Chloromethane
Concen: 0.269 ug/l
RT: 2.299 min Scan# 53
Delta R.T. -0.000 min
Lab File: VN071045.D
Acq: 23 Feb 2022 20:09

Tgt Ion: 50 Resp: 2659
Ion Ratio Lower Upper
50 100
52 34.3 25.4 38.0

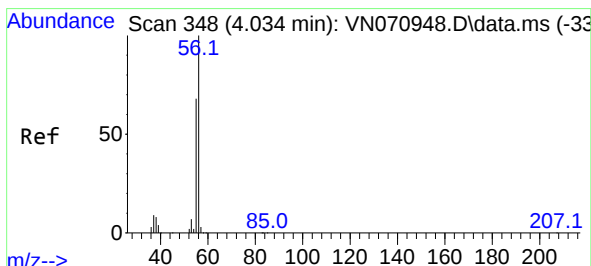
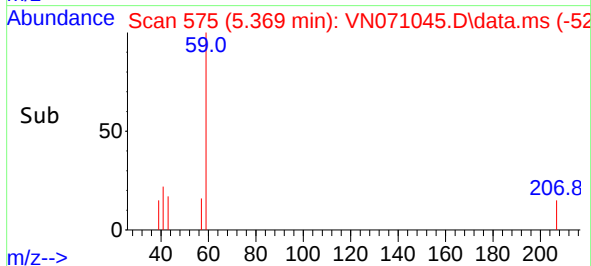
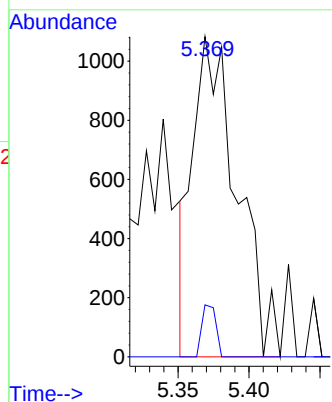
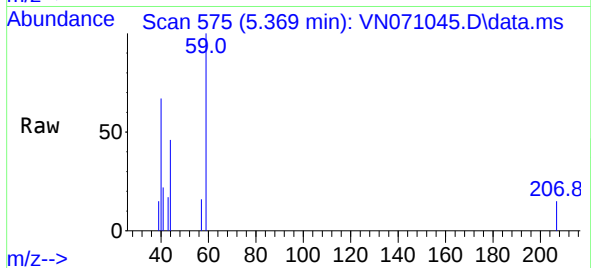




#11
Tert butyl alcohol
Concen: 1.493 ug/l
RT: 5.369 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN071045.D
Acq: 23 Feb 2022 20:09

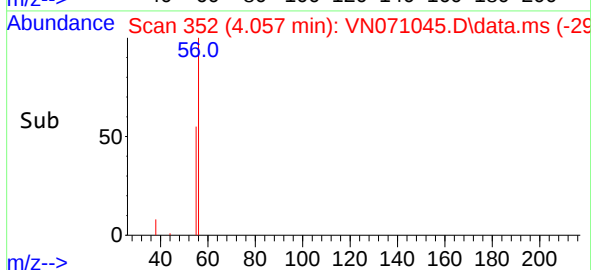
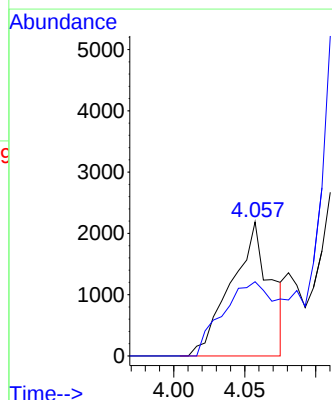
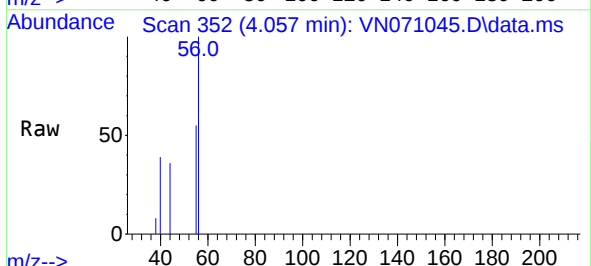
Instrument :
MSVOA_N
ClientSampleId :
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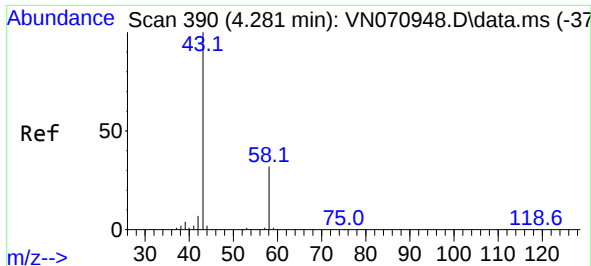
Tgt Ion: 59 Resp: 2356
Ion Ratio Lower Upper
59 100
57 5.1 8.7 13.1#



#13
Acrolein
Concen: 2.982 ug/l
RT: 4.057 min Scan# 352
Delta R.T. 0.023 min
Lab File: VN071045.D
Acq: 23 Feb 2022 20:09

Tgt Ion: 56 Resp: 4204
Ion Ratio Lower Upper
56 100
55 81.4 56.6 85.0

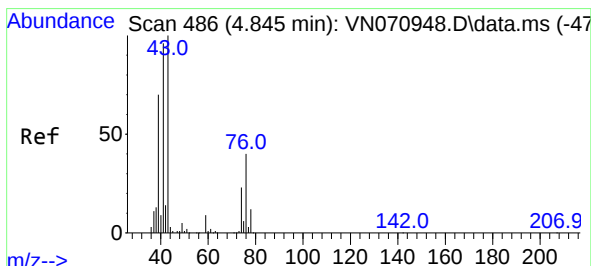
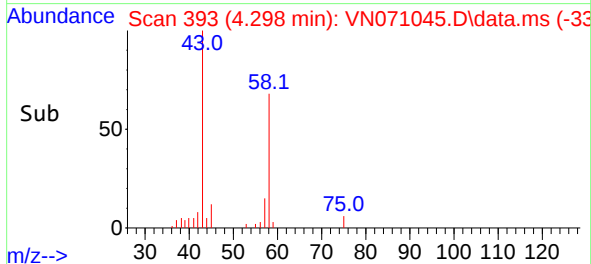
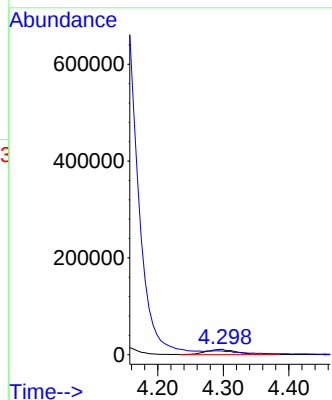
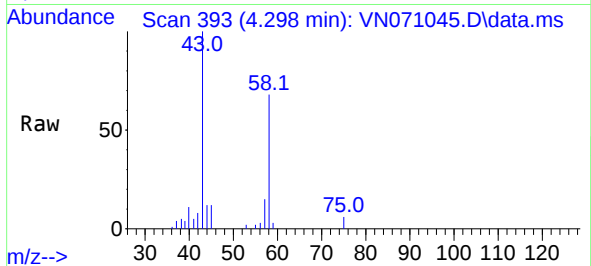




#16
Acetone
Concen: 7.065 ug/l
RT: 4.298 min Scan# 391
Delta R.T. 0.018 min
Lab File: VN071045.D
Acq: 23 Feb 2022 20:09

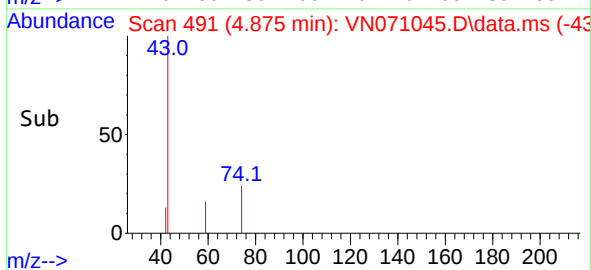
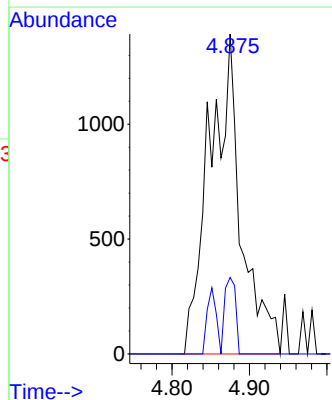
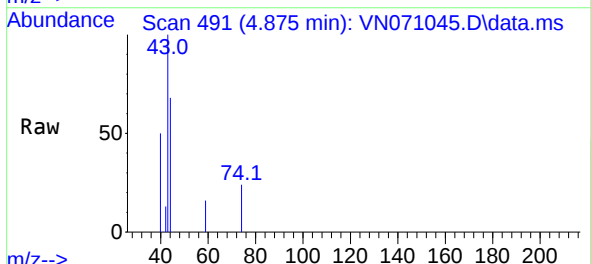
Instrument :
MSVOA_N
ClientSampleId :
30960

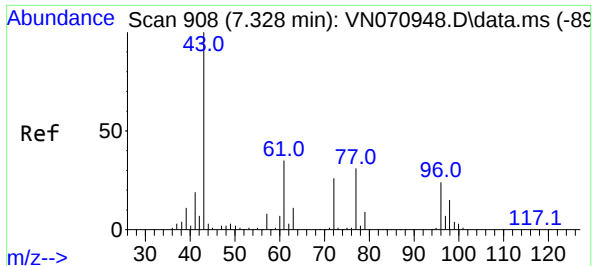
Tgt Ion: 43 Resp: 33687
Ion Ratio Lower Upper
43 100
58 50.9 23.1 34.7#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.875 min Scan# 491
Delta R.T. 0.030 min
Lab File: VN071045.D
Acq: 23 Feb 2022 20:09

Tgt Ion: 43 Resp: 3949
Ion Ratio Lower Upper
43 100
74 8.2 19.4 29.2#

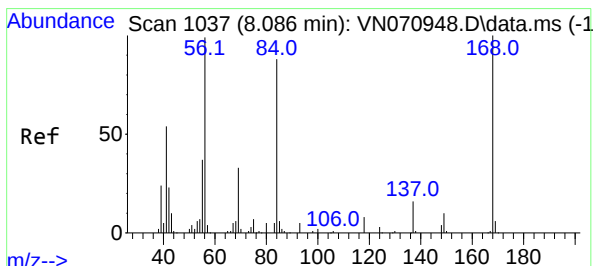
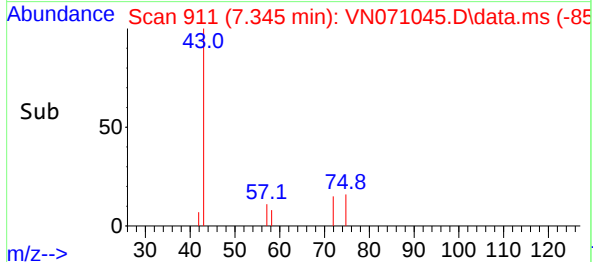
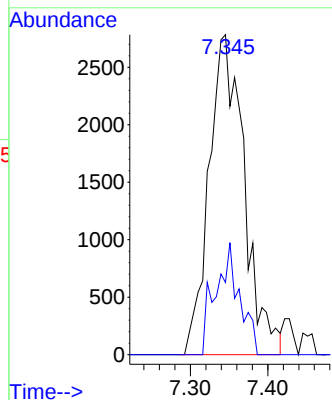
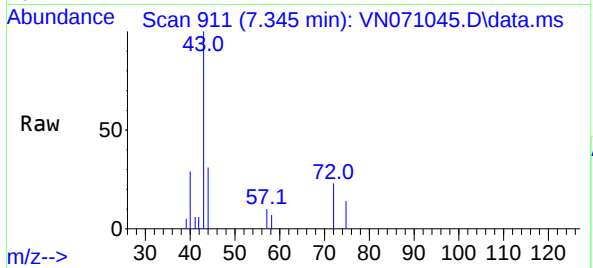




#25
2-Butanone
Concen: 1.383 ug/l
RT: 7.345 min Scan# 911
Delta R.T. 0.018 min
Lab File: VN071045.D
Acq: 23 Feb 2022 20:09

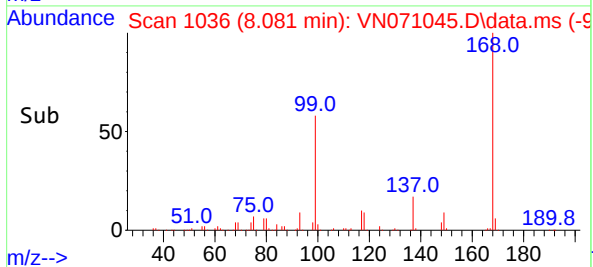
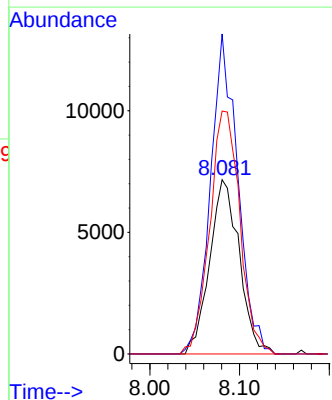
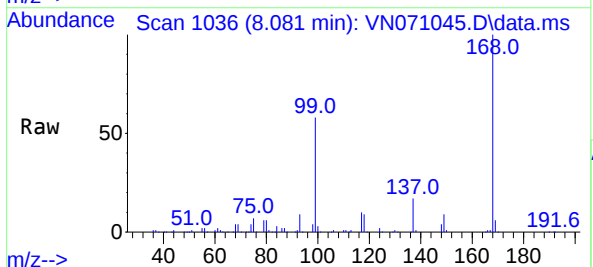
Instrument :
MSVOA_N
ClientSampleId :
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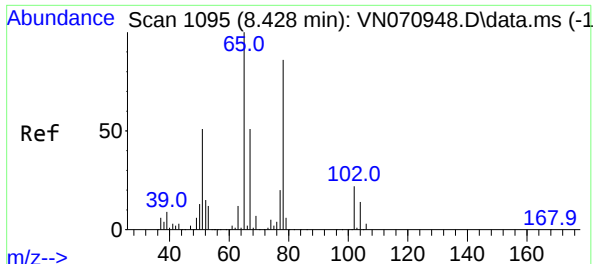
Tgt Ion: 43 Resp: 8773
Ion Ratio Lower Upper
43 100
72 22.5 21.7 32.5



#31
Cyclohexane
Concen: 1.096 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VN071045.D
Acq: 23 Feb 2022 20:09

Tgt Ion: 56 Resp: 16411
Ion Ratio Lower Upper
56 100
69 183.6 27.1 40.7#
84 139.3 73.4 110.0#

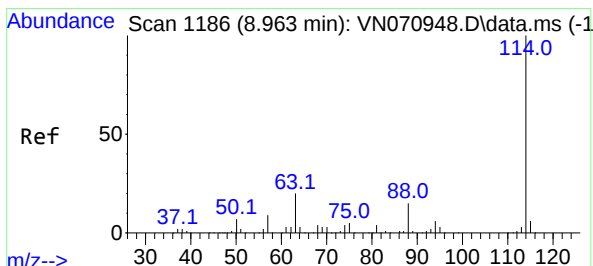
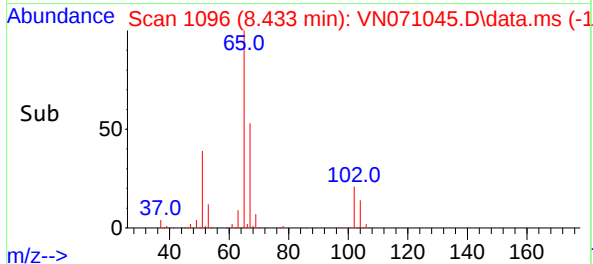
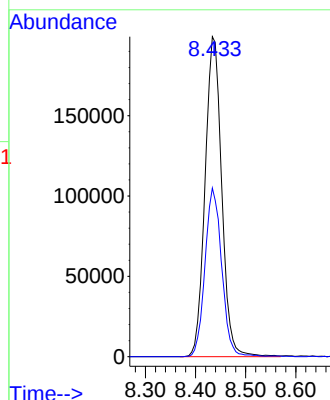
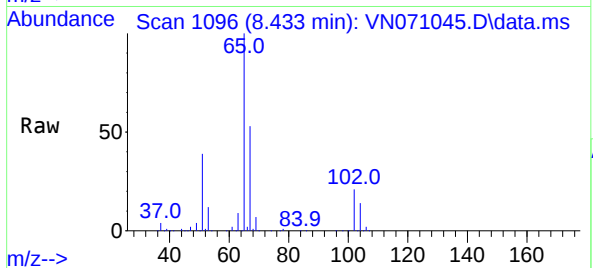




#33
1,2-Dichloroethane-d4
Concen: 53.162 ug/l
RT: 8.433 min Scan# 1095
Delta R.T. 0.006 min
Lab File: VN071045.D
Acq: 23 Feb 2022 20:09

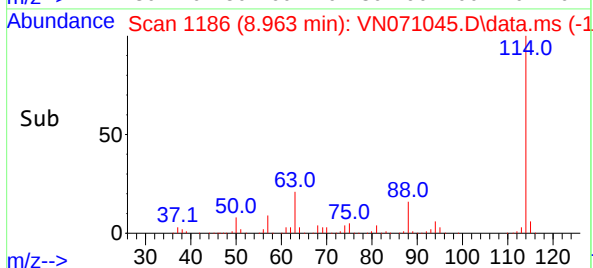
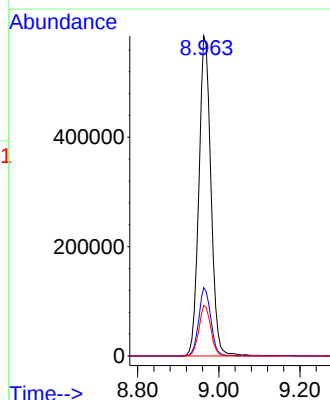
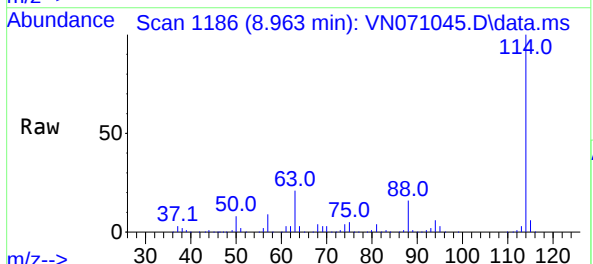
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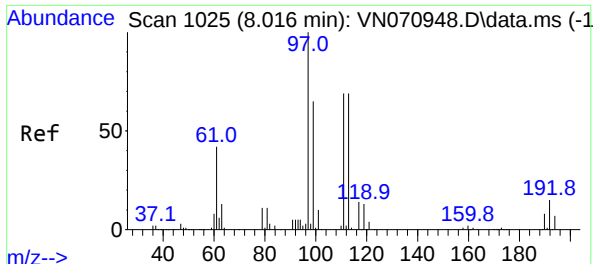
Tgt Ion: 65 Resp: 460291
Ion Ratio Lower Upper
65 100
67 52.7 0.0 103.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071045.D
Acq: 23 Feb 2022 20:09

Tgt Ion:114 Resp: 1213130
Ion Ratio Lower Upper
114 100
63 21.4 0.0 37.8
88 15.8 0.0 27.4

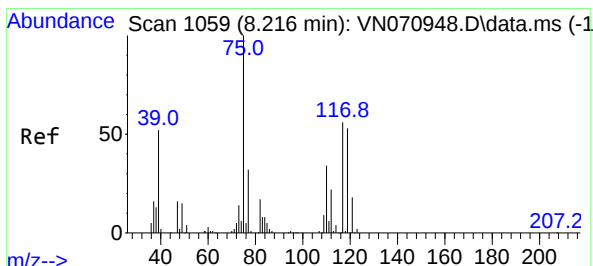
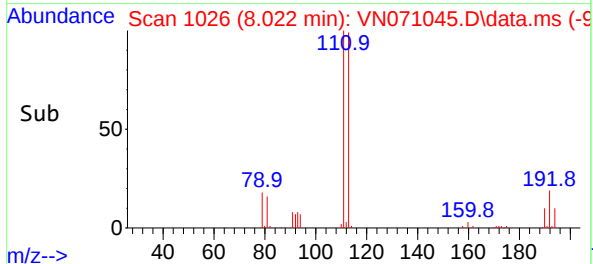
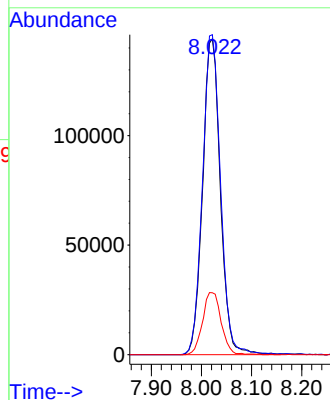
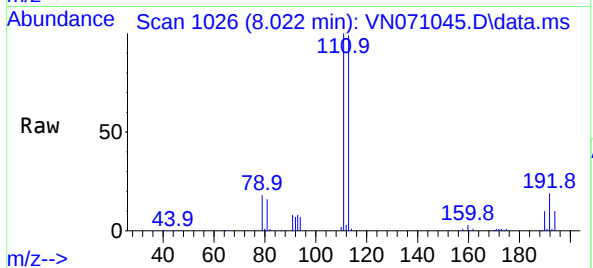




#35
Dibromofluoromethane
Concen: 49.120 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN071045.D
Acq: 23 Feb 2022 20:09

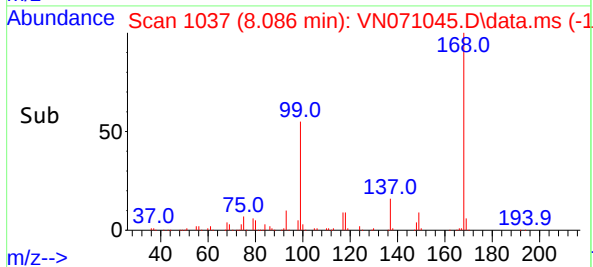
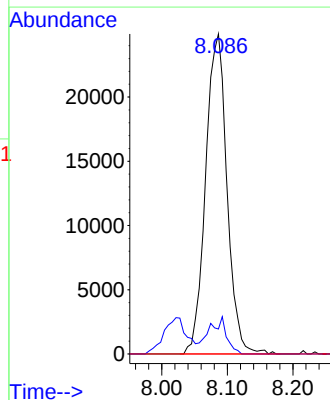
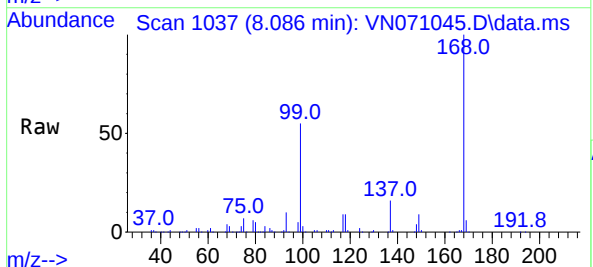
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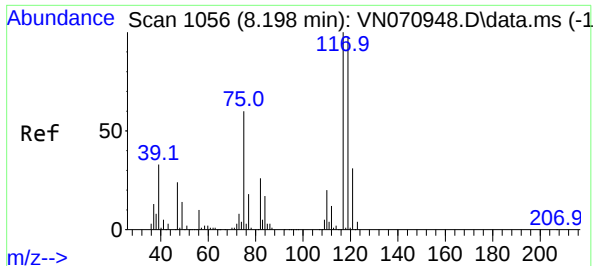
Tgt Ion:113 Resp: 354438
Ion Ratio Lower Upper
113 100
111 103.1 82.2 123.2
192 20.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.779 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.129 min
Lab File: VN071045.D
Acq: 23 Feb 2022 20:09

Tgt Ion: 75 Resp: 56492
Ion Ratio Lower Upper
75 100
110 9.8 18.4 55.2#
77 0.0 24.4 36.6#

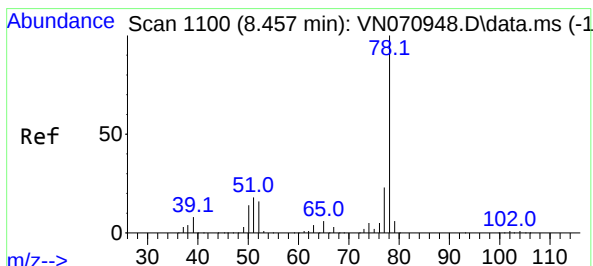
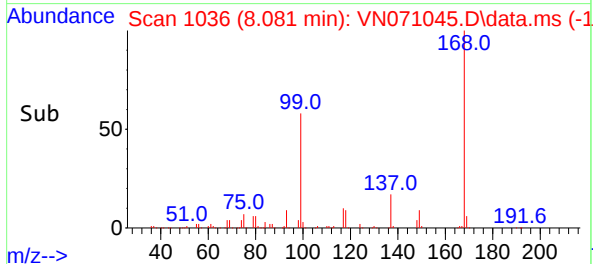
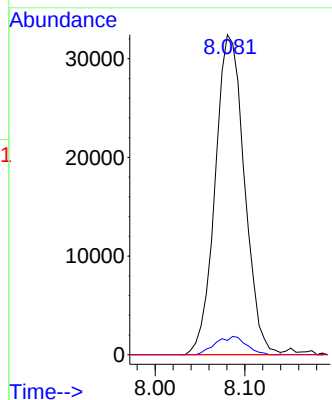
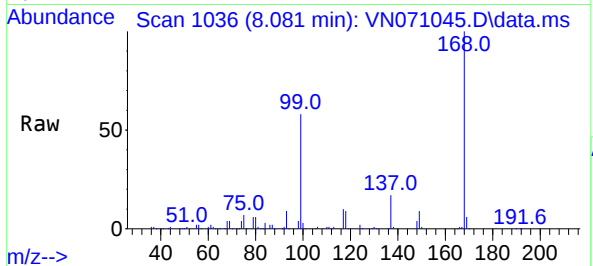




#38
Carbon Tetrachloride
Concen: 6.305 ug/l
RT: 8.081 min Scan# 1101
Delta R.T. -0.118 min
Lab File: VN071045.D
Acq: 23 Feb 2022 20:09

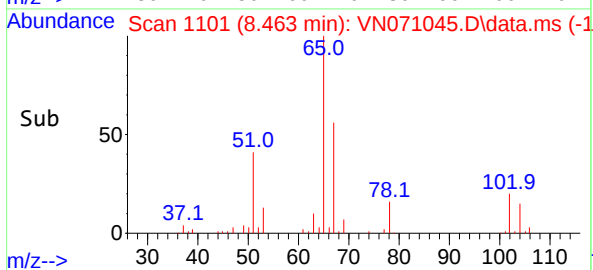
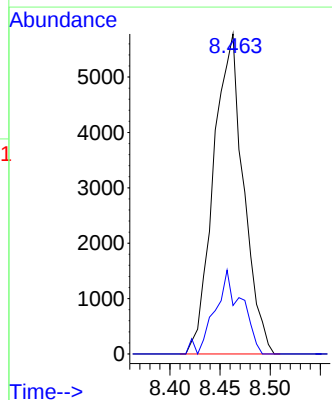
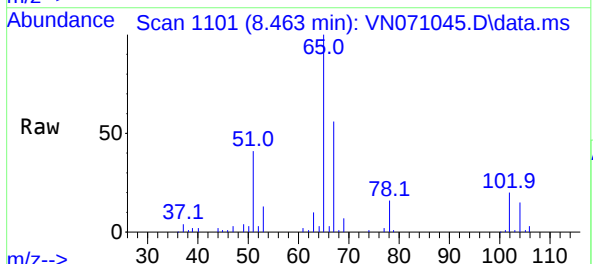
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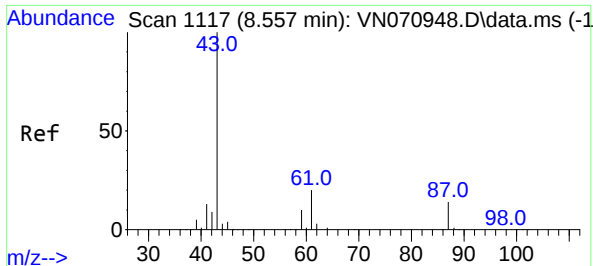
Tgt Ion:117 Resp: 73444
Ion Ratio Lower Upper
117 100
119 4.5 76.1 114.1#
121 0.0 24.2 36.2#



#40
Benzene
Concen: 0.344 ug/l
RT: 8.463 min Scan# 1101
Delta R.T. 0.006 min
Lab File: VN071045.D
Acq: 23 Feb 2022 20:09

Tgt Ion: 78 Resp: 12039
Ion Ratio Lower Upper
78 100
77 15.2 18.6 27.8#

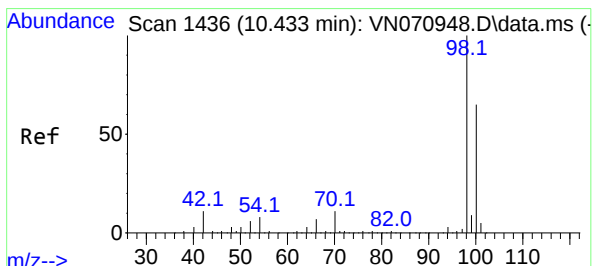
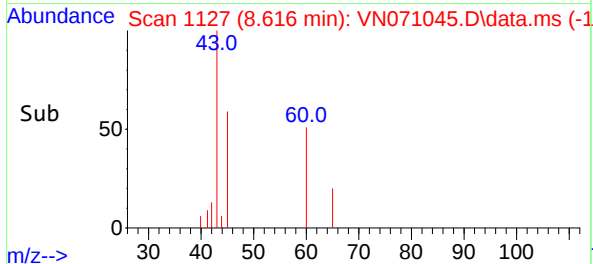
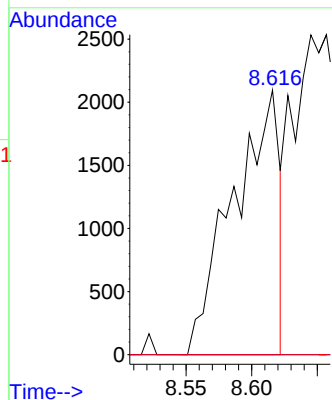
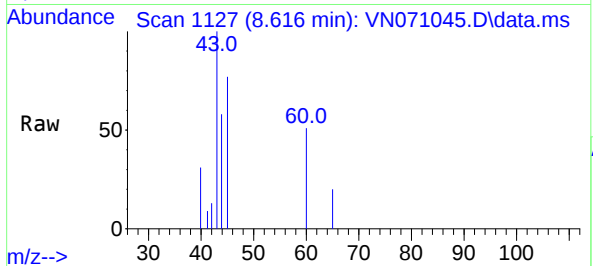




#43
Isopropyl Acetate
Concen: 0.257 ug/l
RT: 8.616 min Scan# 1117
Delta R.T. 0.059 min
Lab File: VN071045.D
Acq: 23 Feb 2022 20:09

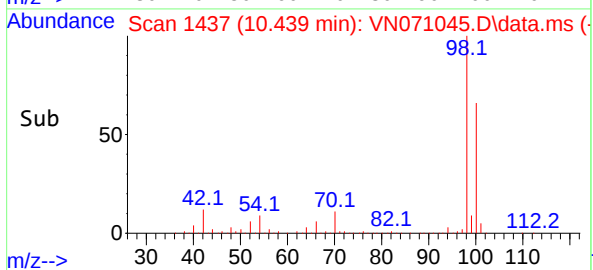
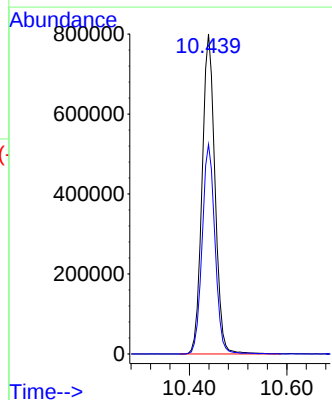
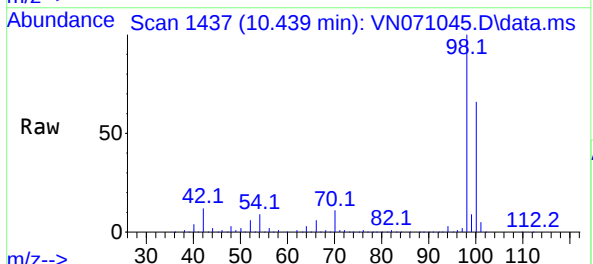
Instrument :
MSVOA_N
ClientSampleId :
30960

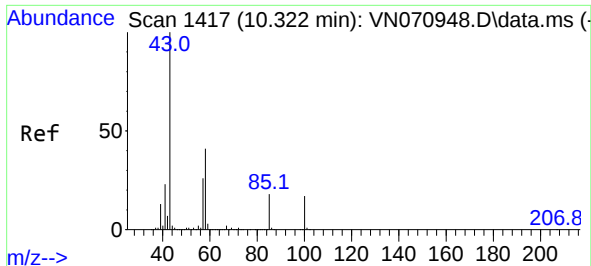
Tgt Ion: 43 Resp: 5142
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#



#50
Toluene-d8
Concen: 50.784 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.006 min
Lab File: VN071045.D
Acq: 23 Feb 2022 20:09

Tgt Ion: 98 Resp: 1471589
Ion Ratio Lower Upper
98 100
100 65.0 50.4 75.6

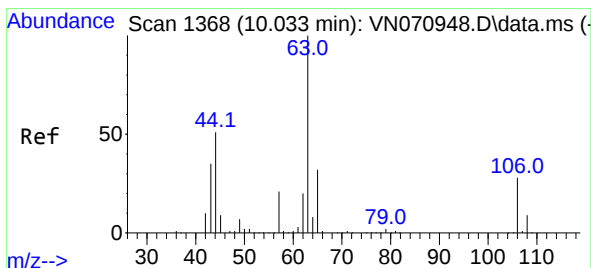
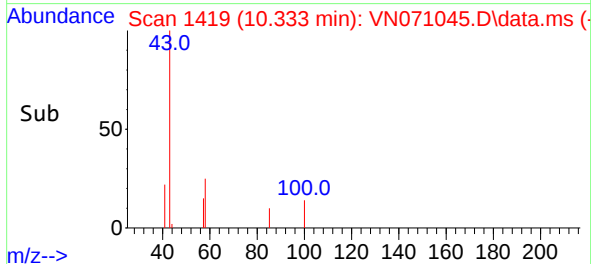
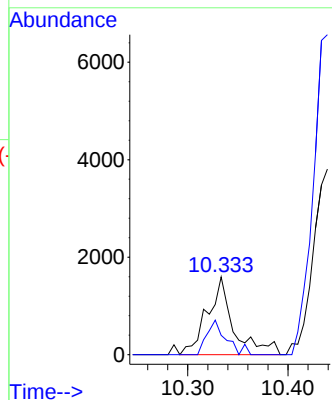
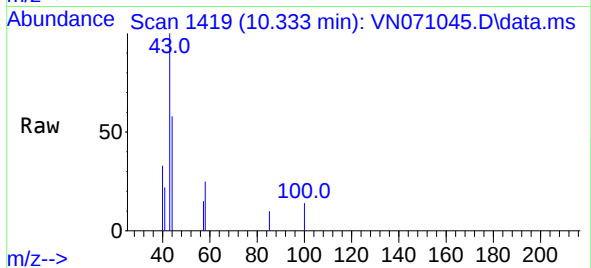




#51
4-Methyl-2-Pentanone
Concen: 0.239 ug/l
RT: 10.333 min Scan# 1417
Delta R.T. 0.012 min
Lab File: VN071045.D
Acq: 23 Feb 2022 20:09

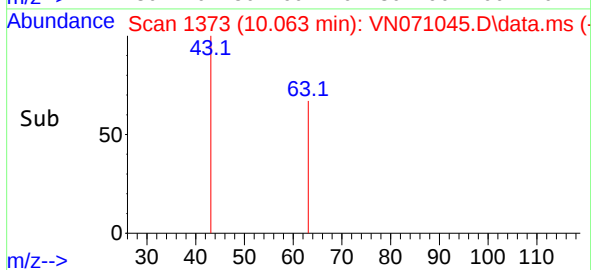
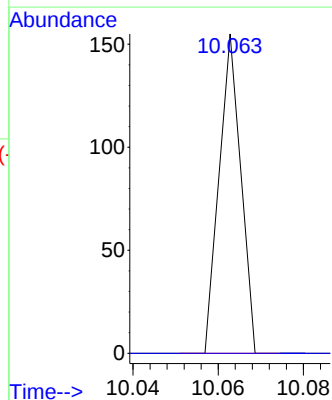
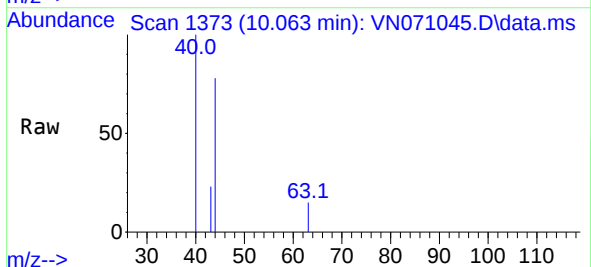
Instrument :
MSVOA_N
ClientSampleId :
30960

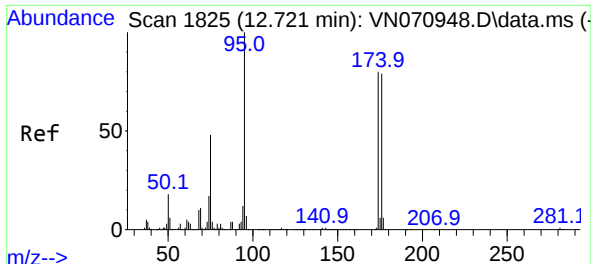
Tgt Ion: 43 Resp: 2902
Ion Ratio Lower Upper
43 100
58 32.6 30.4 45.6



#58
2-Chloroethyl Vinyl ether
Concen: 31.818 ug/l
RT: 10.063 min Scan# 1373
Delta R.T. 0.030 min
Lab File: VN071045.D
Acq: 23 Feb 2022 20:09

Tgt Ion: 63 Resp: 55
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#

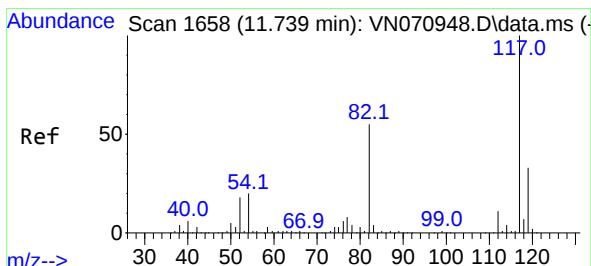
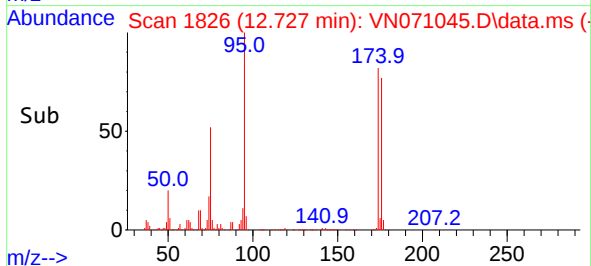
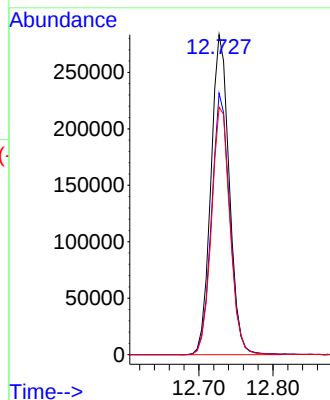
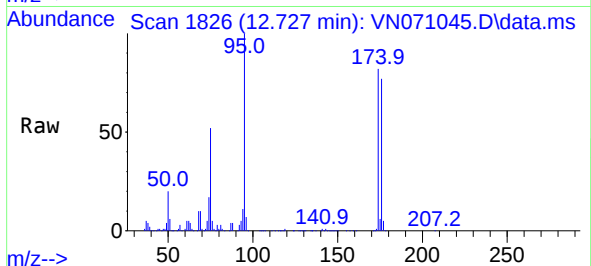




#62
4-Bromofluorobenzene
Concen: 46.905 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN071045.D
Acq: 23 Feb 2022 20:09

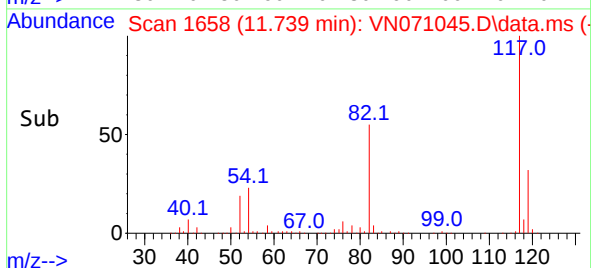
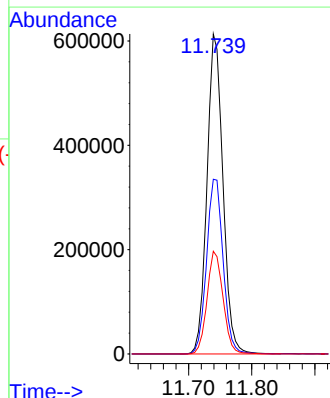
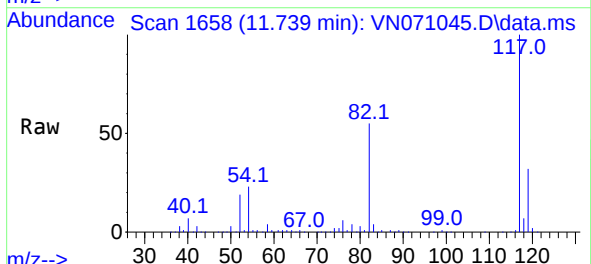
Instrument :
MSVOA_N
ClientSampleId :
30960

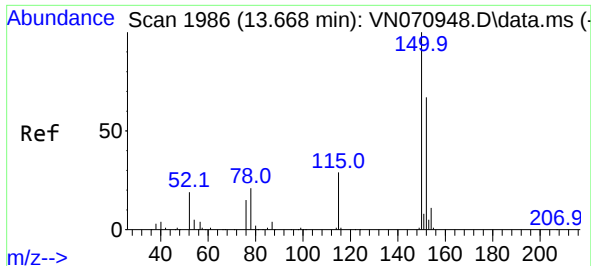
Tgt Ion: 95 Resp: 485835
Ion Ratio Lower Upper
95 100
174 81.5 0.0 187.2
176 78.1 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. -0.000 min
Lab File: VN071045.D
Acq: 23 Feb 2022 20:09

Tgt Ion: 117 Resp: 1078274
Ion Ratio Lower Upper
117 100
82 54.6 42.4 63.6
119 32.1 25.4 38.2

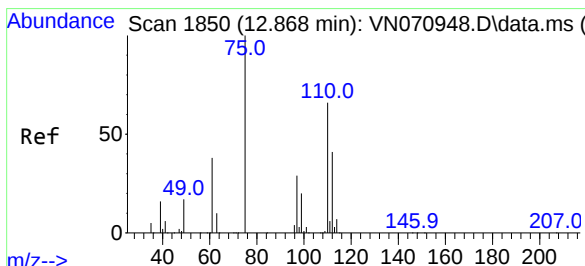
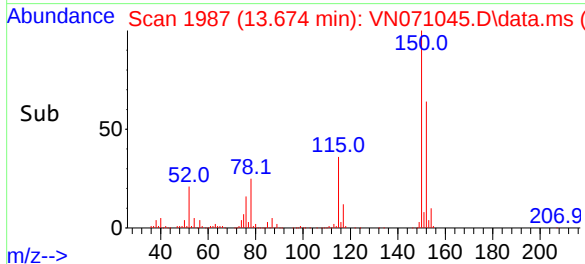
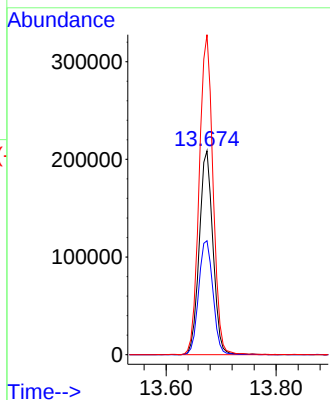
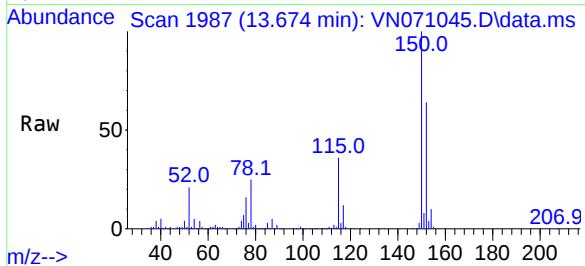




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1986
Delta R.T. 0.006 min
Lab File: VN071045.D
Acq: 23 Feb 2022 20:09

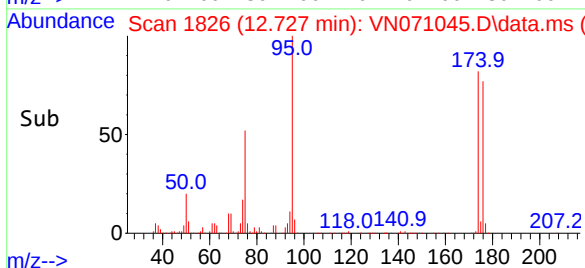
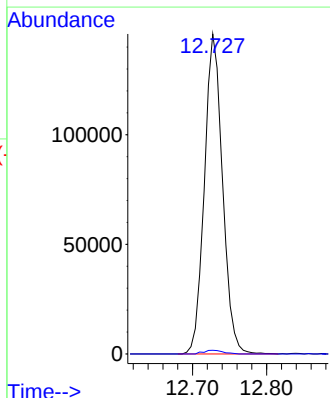
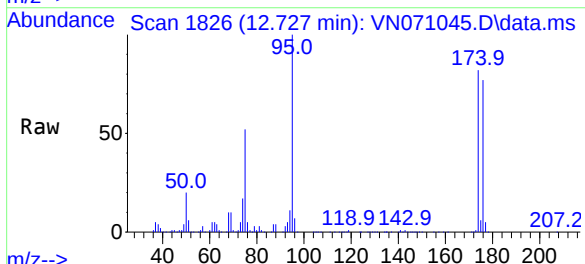
Instrument :
MSVOA_N
ClientSampleId :
30960

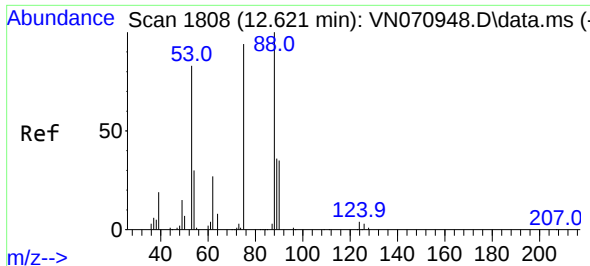
Tgt Ion:152 Resp: 360806
Ion Ratio Lower Upper
152 100
115 58.5 27.5 82.5
150 157.6 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 29.202 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN071045.D
Acq: 23 Feb 2022 20:09

Tgt Ion: 75 Resp: 248074
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#

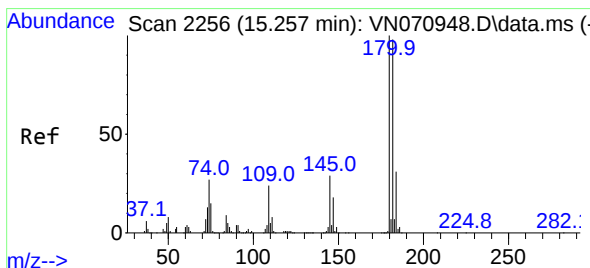
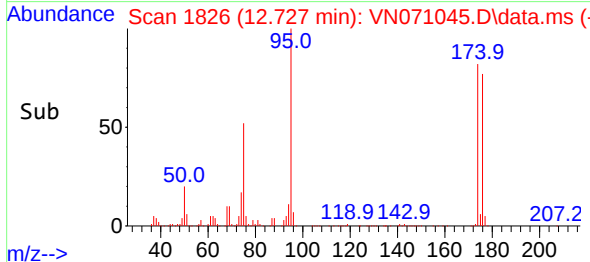
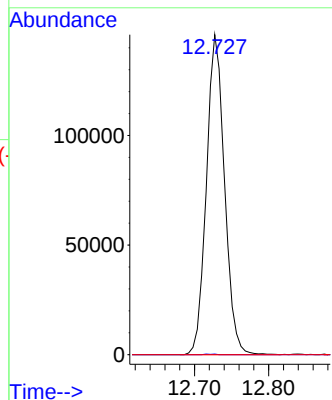
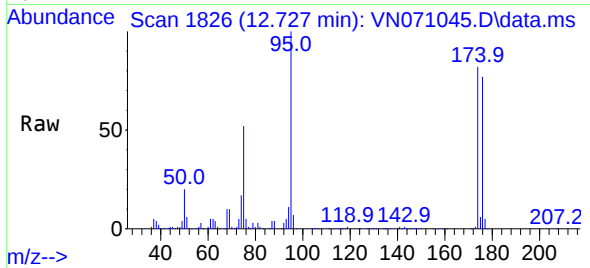




#81
trans-1,4-Dichloro-2-butene
Concen: 94.627 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.106 min
Lab File: VN071045.D
Acq: 23 Feb 2022 20:09

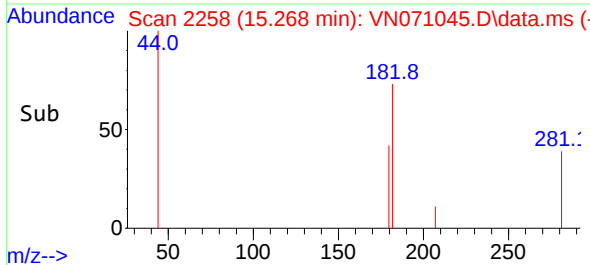
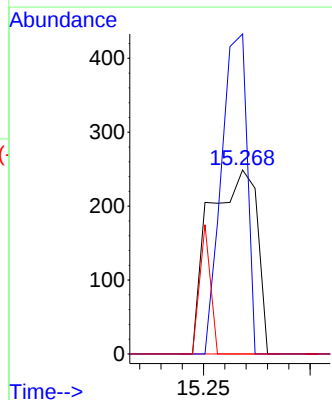
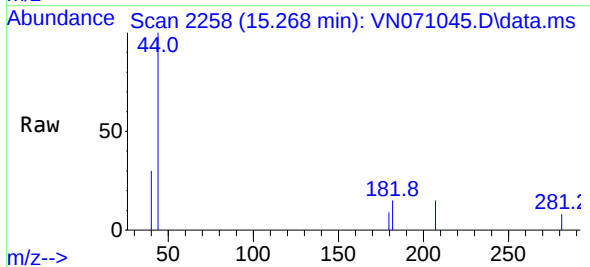
Instrument :
MSVOA_N
ClientSampleId :
30960

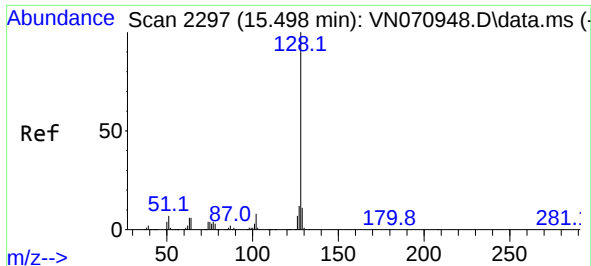
Tgt Ion: 75 Resp: 248074
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#



#93
1,2,4-Trichlorobenzene
Concen: 2.054 ug/l
RT: 15.268 min Scan# 2258
Delta R.T. 0.011 min
Lab File: VN071045.D
Acq: 23 Feb 2022 20:09

Tgt Ion:180 Resp: 384
Ion Ratio Lower Upper
180 100
182 94.3 48.3 144.9
145 16.1 14.5 43.5

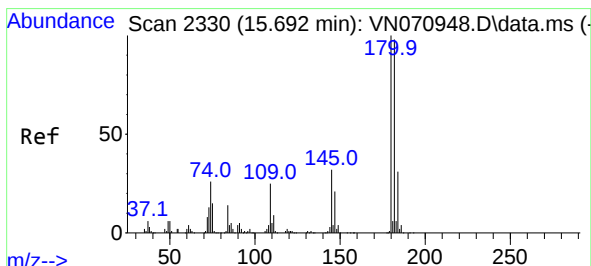
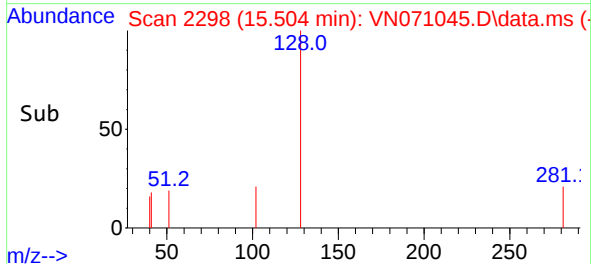
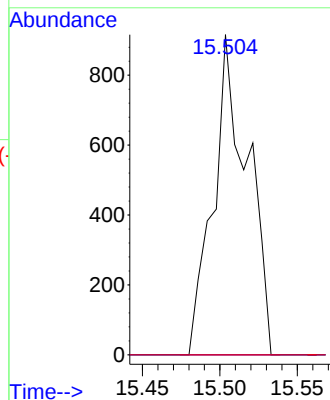
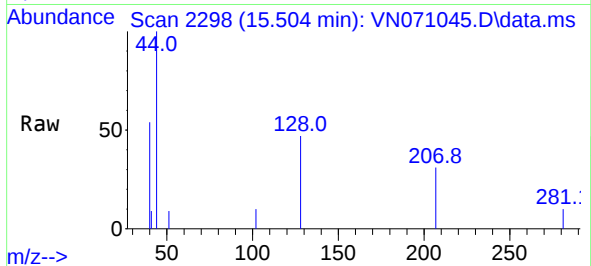




#95
Naphthalene
Concen: 5.068 ug/l
RT: 15.504 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN071045.D
Acq: 23 Feb 2022 20:09

Instrument :
MSVOA_N
ClientSampleId :
30960

Tgt Ion:128 Resp: 1410
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.572 ug/l
RT: 15.709 min Scan# 2333
Delta R.T. 0.017 min
Lab File: VN071045.D
Acq: 23 Feb 2022 20:09

Tgt Ion:180 Resp: 360
Ion Ratio Lower Upper
180 100
182 18.9 47.4 142.2#
145 0.0 15.0 45.1#

