

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030122\
 Data File : VN071128.D
 Acq On : 01 Mar 2022 19:00
 Operator : JC\MD
 Sample : N1689-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-44

Quant Time: Mar 02 03:32:41 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)

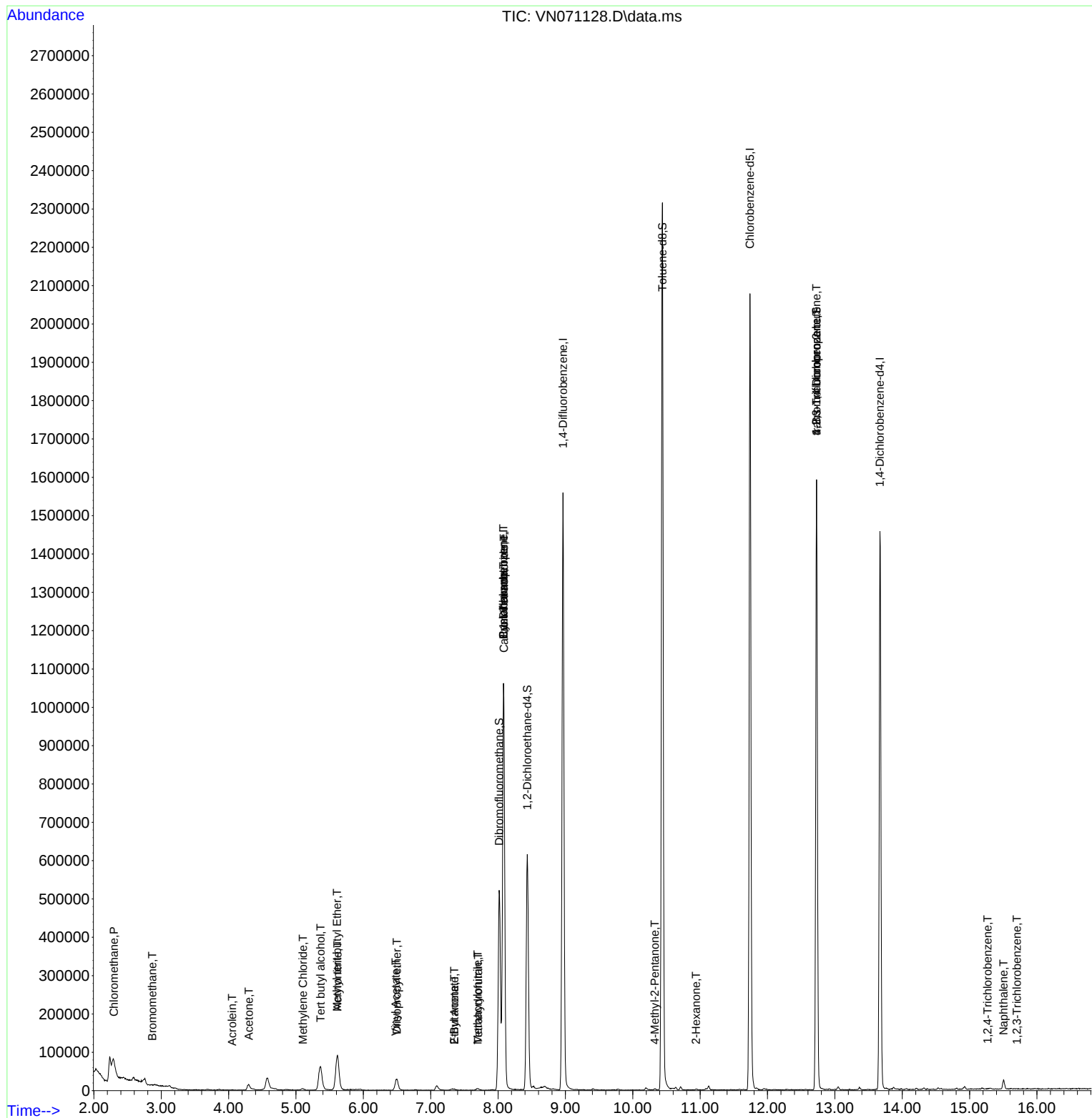
Internal Standards						
1) Pentafluorobenzene	8.081	168	826749	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1326919	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1202625	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	410383	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	513162	54.337	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 108.680%	
35) Dibromofluoromethane	8.016	113	384522	48.720	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 97.440%	
50) Toluene-d8	10.439	98	1632275	51.498	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 103.000%	
62) 4-Bromofluorobenzene	12.727	95	563491	49.737	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 99.480%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	4925	0.456	ug/l #	77
5) Bromomethane	2.869	94	1401	0.228	ug/l #	73
11) Tert butyl alcohol	5.363	59	118711	68.973	ug/l	100
13) Acrolein	4.052	56	690	0.449	ug/l	88
15) Acrylonitrile	5.616	53	2015	0.397	ug/l #	29
16) Acetone	4.299	43	23044	4.431	ug/l	90
18) Methyl Acetate	4.857	43	1874	Below Cal	#	81
19) Methyl tert-butyl Ether	5.610	73	147602	5.199	ug/l	95
20) Methylene Chloride	5.104	84	2743	0.290	ug/l #	83
22) Diisopropyl ether	6.498	45	39256	1.326	ug/l #	84
23) Vinyl Acetate	6.481	43	19926	0.795	ug/l #	72
25) 2-Butanone	7.351	43	5691	0.823	ug/l	92
29) Tetrahydrofuran	7.704	42	3331	0.743	ug/l #	79
31) Cyclohexane	8.081	56	18016	1.103	ug/l #	4
36) 1,1-Dichloropropene	8.081	75	63913	4.943	ug/l #	49
37) Ethyl Acetate	7.351	43	5691	0.410	ug/l #	68
38) Carbon Tetrachloride	8.087	117	81741	6.416	ug/l #	16
41) Methacrylonitrile	7.698	41	2720	0.372	ug/l #	25
51) 4-Methyl-2-Pentanone	10.328	43	3068	0.231	ug/l	94
59) 2-Hexanone	10.939	43	2023	0.221	ug/l	68
76) 1,2,3-Trichloropropane	12.727	75	288255	29.832	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	288255	96.670	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.268	180	247	2.030	ug/l #	87
95) Naphthalene	15.504	128	23677	6.151	ug/l	99
96) 1,2,3-Trichlorobenzene	15.704	180	402	2.571	ug/l	62

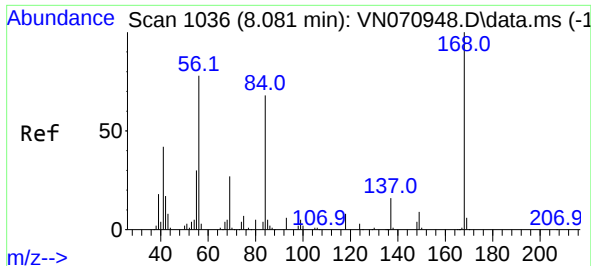
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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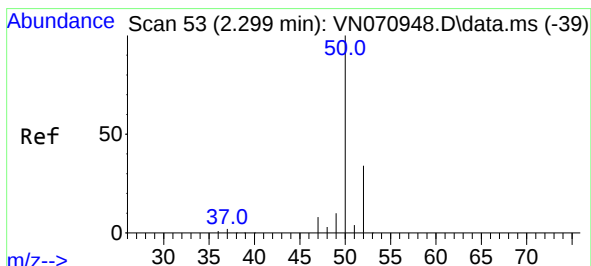
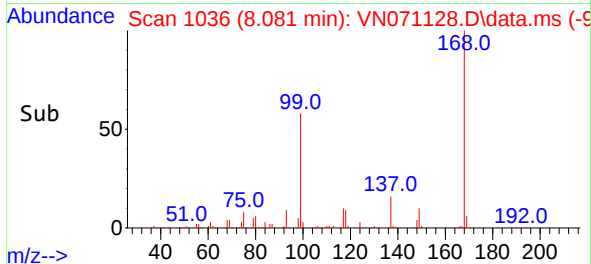
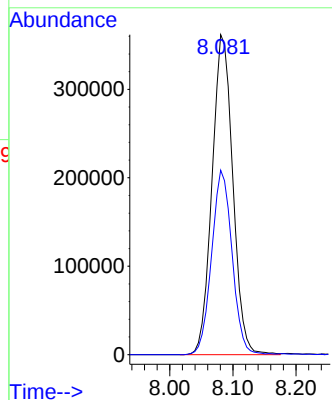
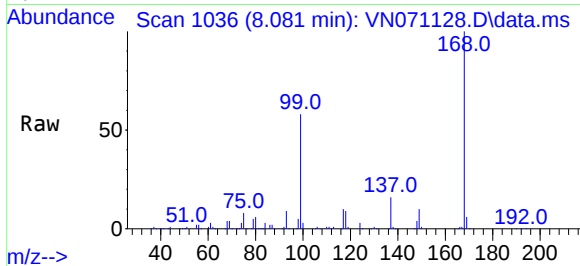




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN071128.D
Acq: 01 Mar 2022 19:00

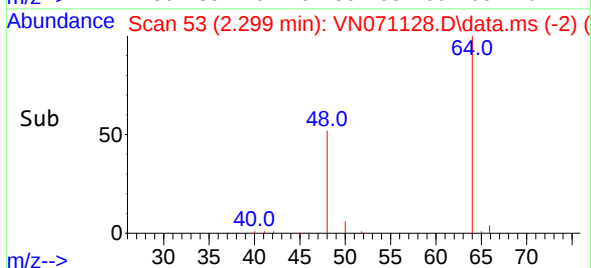
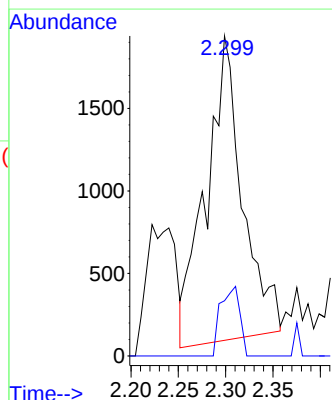
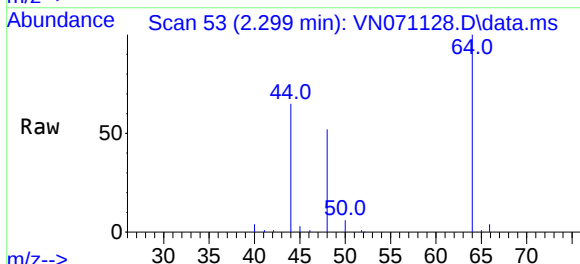
Instrument :
MSVOA_N
ClientSampleId :
MW-44

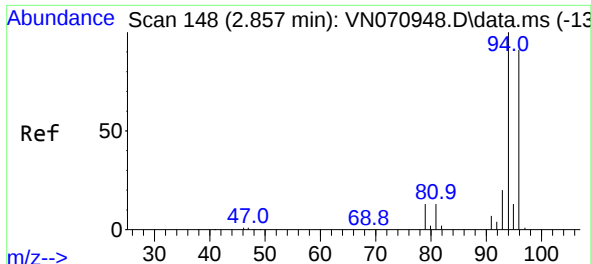
Tgt Ion:168 Resp: 826749
Ion Ratio Lower Upper
168 100
99 57.7 41.3 61.9



#3
Chloromethane
Concen: 0.456 ug/l
RT: 2.299 min Scan# 53
Delta R.T. 0.000 min
Lab File: VN071128.D
Acq: 01 Mar 2022 19:00

Tgt Ion: 50 Resp: 4925
Ion Ratio Lower Upper
50 100
52 19.0 25.4 38.0#

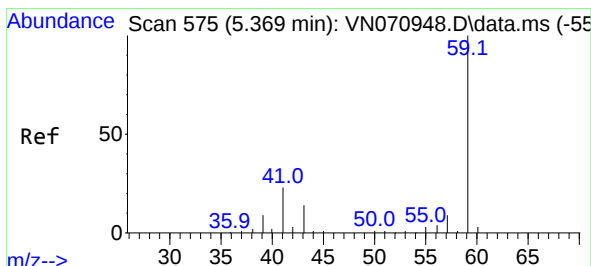
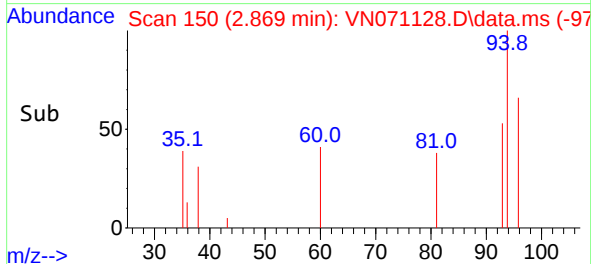
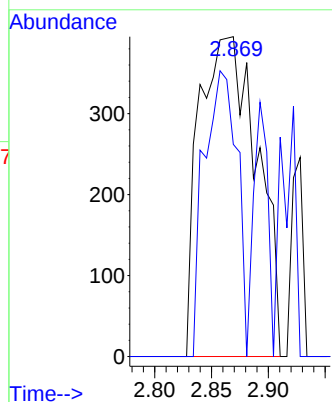
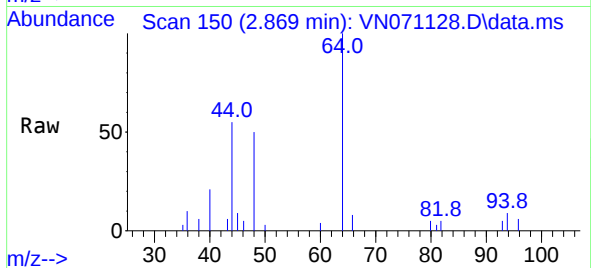




#5
Bromomethane
Concen: 0.228 ug/l
RT: 2.869 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN071128.D
Acq: 01 Mar 2022 19:00

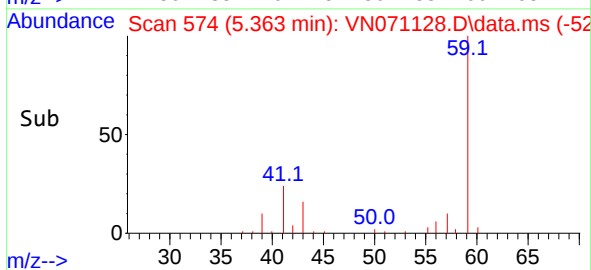
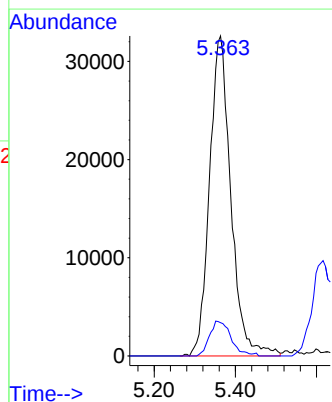
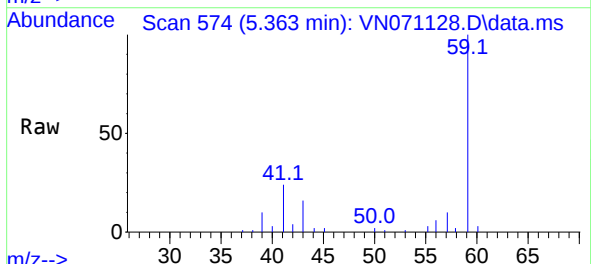
Instrument :
MSVOA_N
ClientSampleId :
MW-44

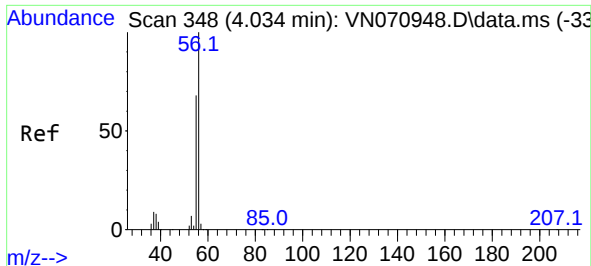
Tgt Ion: 94 Resp: 1401
Ion Ratio Lower Upper
94 100
96 66.3 73.8 110.8#



#11
Tert butyl alcohol
Concen: 68.973 ug/l
RT: 5.363 min Scan# 574
Delta R.T. -0.006 min
Lab File: VN071128.D
Acq: 01 Mar 2022 19:00

Tgt Ion: 59 Resp: 118711
Ion Ratio Lower Upper
59 100
57 11.0 8.7 13.1

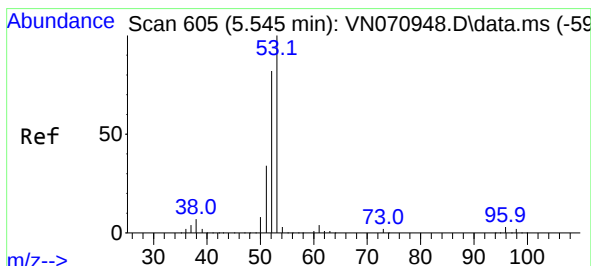
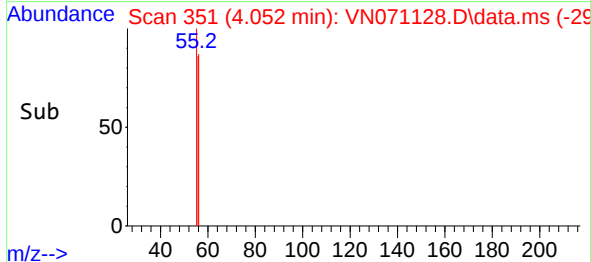
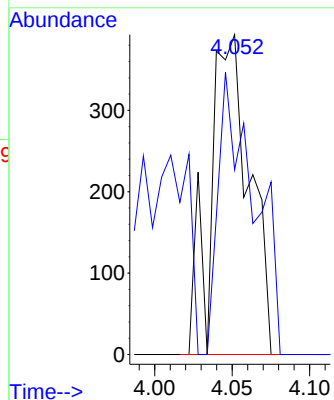
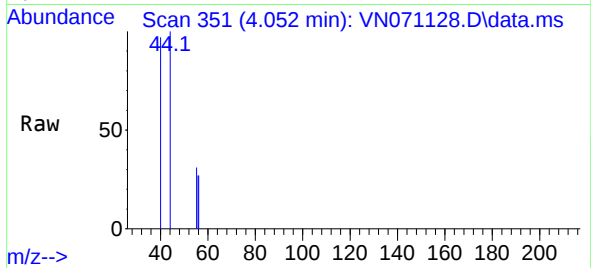




#13
Acrolein
Concen: 0.449 ug/l
RT: 4.052 min Scan# 31
Delta R.T. 0.018 min
Lab File: VN071128.D
Acq: 01 Mar 2022 19:00

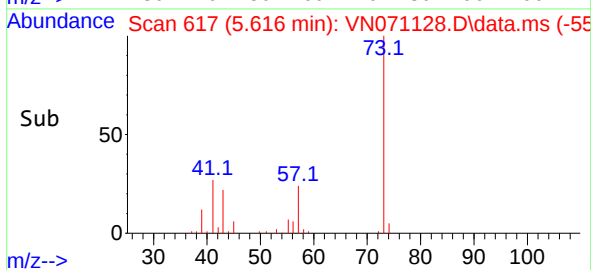
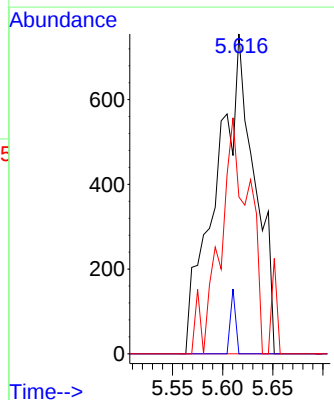
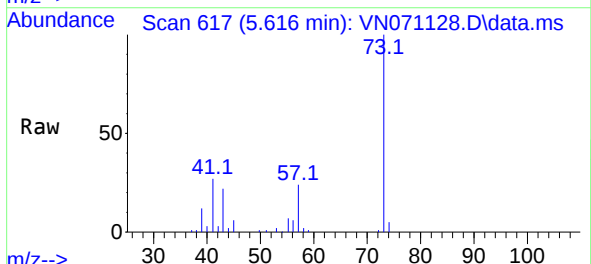
Instrument :
MSVOA_N
Client SampleId :
MW-44

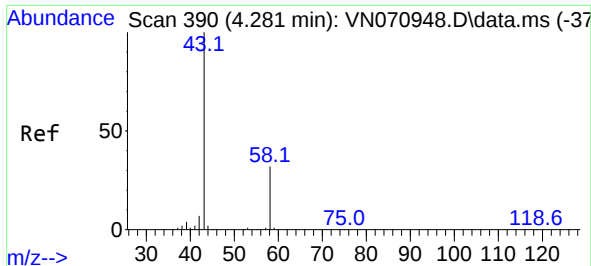
Tgt Ion: 56 Resp: 690
Ion Ratio Lower Upper
56 100
55 80.6 56.6 85.0



#15
Acrylonitrile
Concen: 0.397 ug/l
RT: 5.616 min Scan# 617
Delta R.T. 0.071 min
Lab File: VN071128.D
Acq: 01 Mar 2022 19:00

Tgt Ion: 53 Resp: 2015
Ion Ratio Lower Upper
53 100
52 2.7 66.2 99.2#
51 56.2 29.6 44.4#

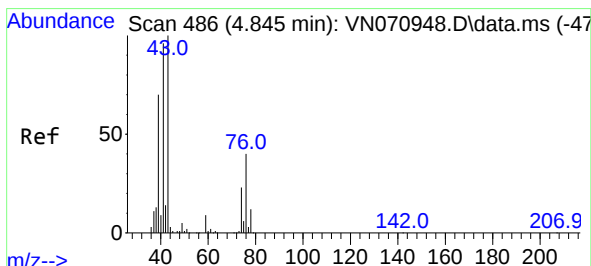
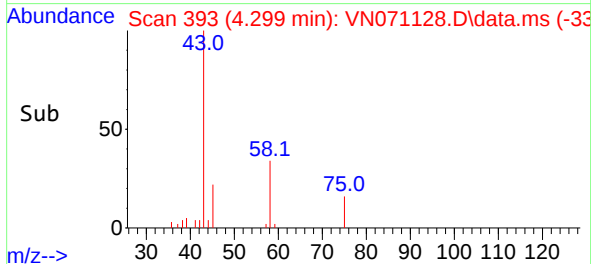
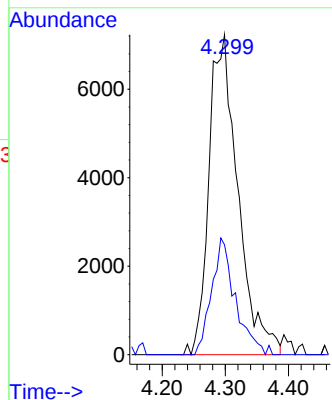
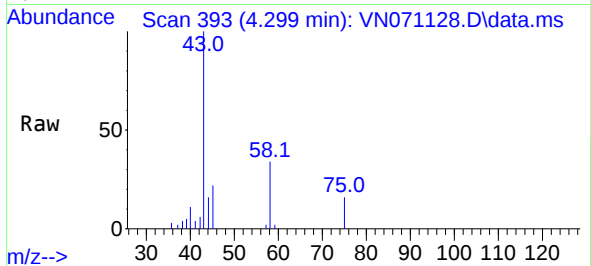




#16
Acetone
Concen: 4.431 ug/l
RT: 4.299 min Scan# 390
Delta R.T. 0.018 min
Lab File: VN071128.D
Acq: 01 Mar 2022 19:00

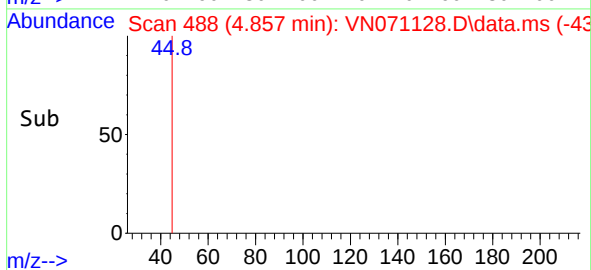
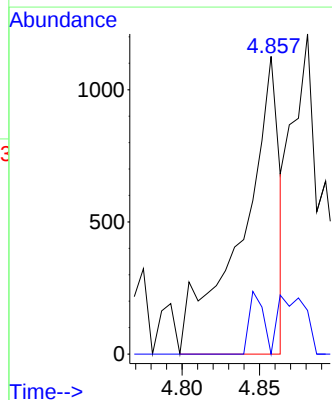
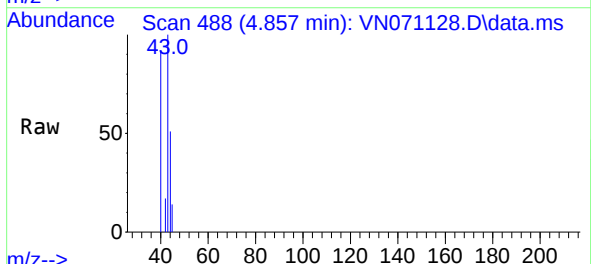
Instrument :
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MW-44

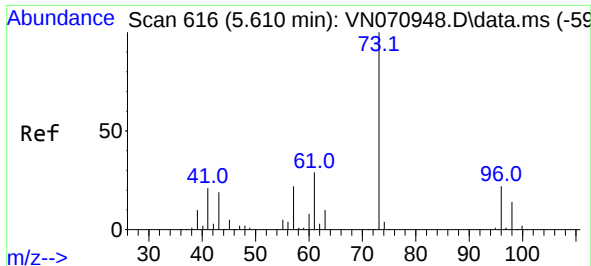
Tgt Ion: 43 Resp: 23044
Ion Ratio Lower Upper
43 100
58 34.4 23.1 34.7



#18
Methyl Acetate
Concen: Below Cal
RT: 4.857 min Scan# 488
Delta R.T. 0.012 min
Lab File: VN071128.D
Acq: 01 Mar 2022 19:00

Tgt Ion: 43 Resp: 1874
Ion Ratio Lower Upper
43 100
74 14.7 19.4 29.2#

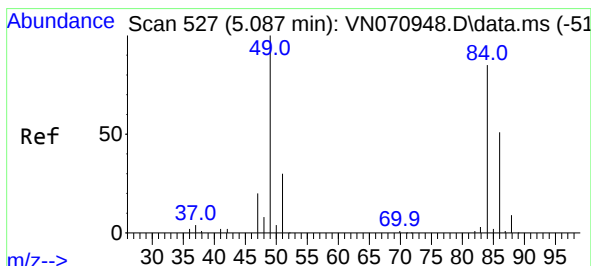
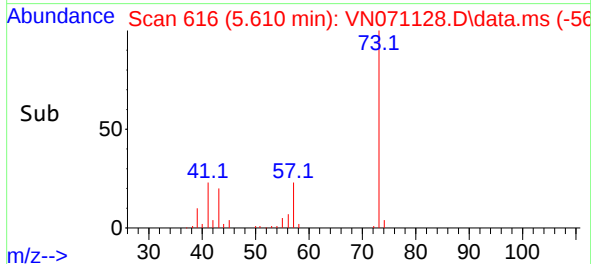
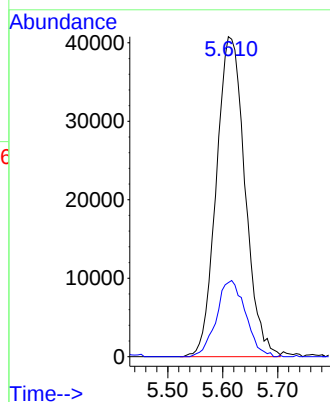
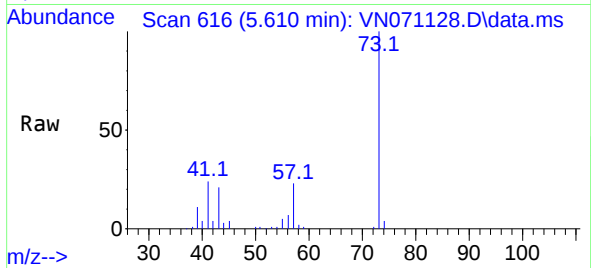




#19
Methyl tert-butyl Ether
Concen: 5.199 ug/l
RT: 5.610 min Scan# 61
Delta R.T. 0.000 min
Lab File: VN071128.D
Acq: 01 Mar 2022 19:00

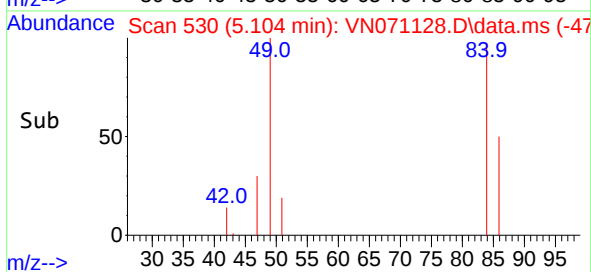
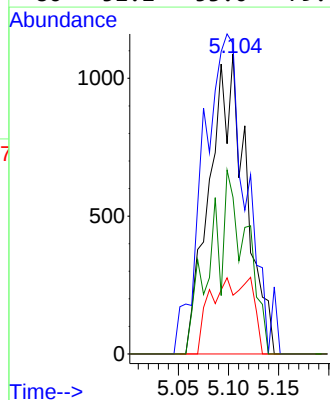
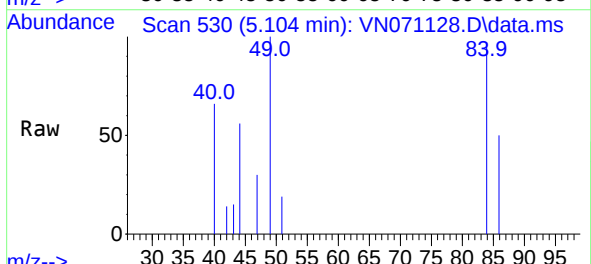
Instrument :
MSVOA_N
ClientSampleId :
MW-44

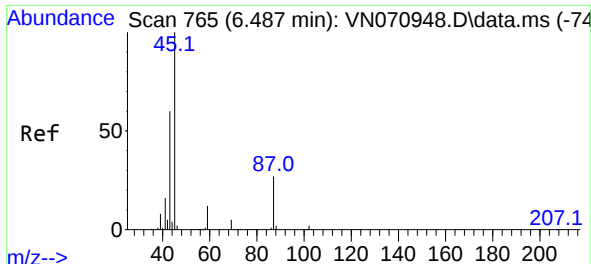
Tgt Ion: 73 Resp: 147602
Ion Ratio Lower Upper
73 100
57 23.1 16.8 25.2



#20
Methylene Chloride
Concen: 0.290 ug/l
RT: 5.104 min Scan# 530
Delta R.T. 0.018 min
Lab File: VN071128.D
Acq: 01 Mar 2022 19:00

Tgt Ion: 84 Resp: 2743
Ion Ratio Lower Upper
84 100
49 103.4 93.5 140.3
51 19.6 29.4 44.2#
86 52.2 53.0 79.4#

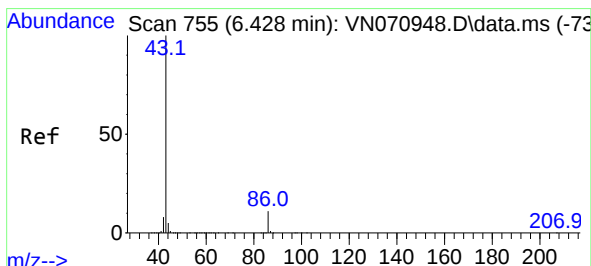
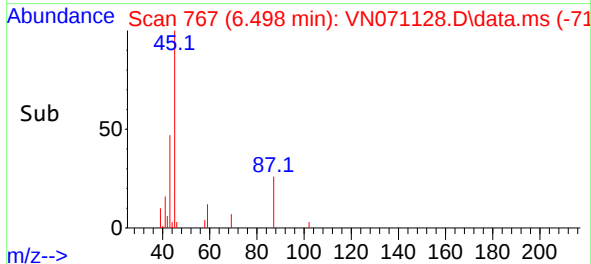
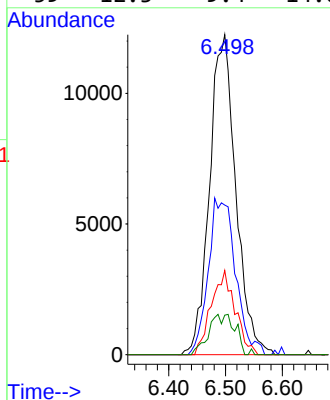
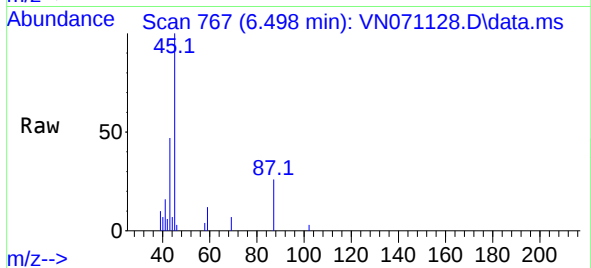




#22
Diisopropyl ether
Concen: 1.326 ug/l
RT: 6.498 min Scan# 765
Delta R.T. 0.012 min
Lab File: VN071128.D
Acq: 01 Mar 2022 19:00

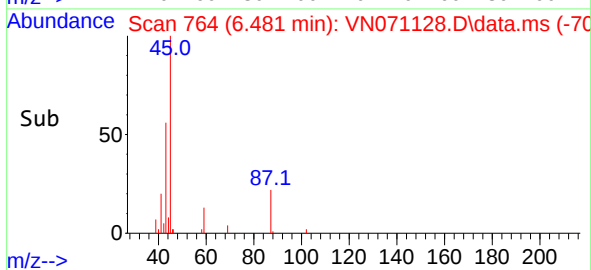
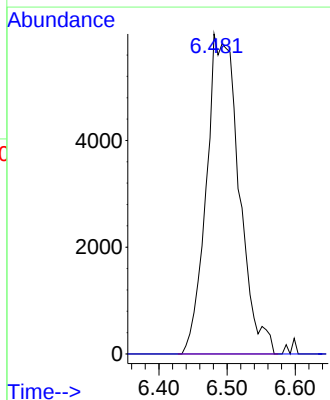
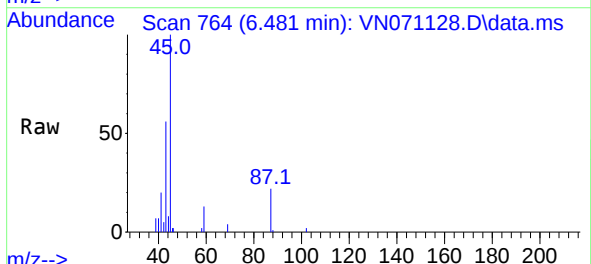
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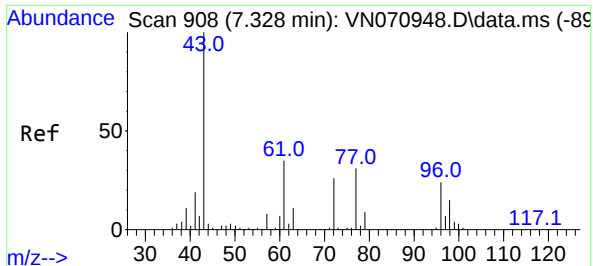
Tgt Ion:	45	Resp:	39256
Ion	Ratio	Lower	Upper
45	100		
43	46.8	51.7	77.5#
87	26.3	23.2	34.8
59	12.3	9.4	14.0



#23
Vinyl Acetate
Concen: 0.795 ug/l
RT: 6.481 min Scan# 764
Delta R.T. 0.053 min
Lab File: VN071128.D
Acq: 01 Mar 2022 19:00

Tgt Ion:	43	Resp:	19926
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.5	12.7#

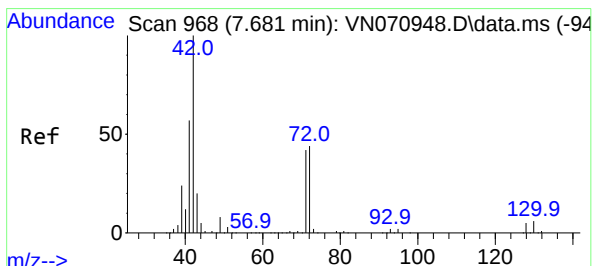
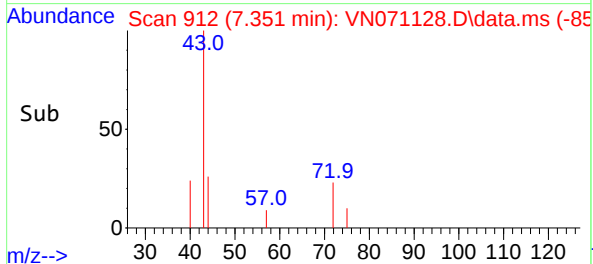
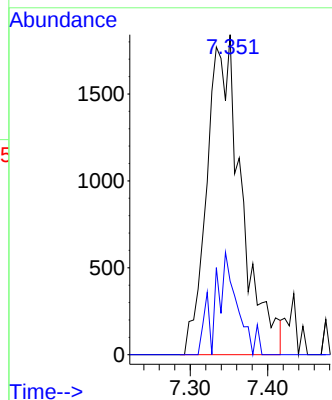
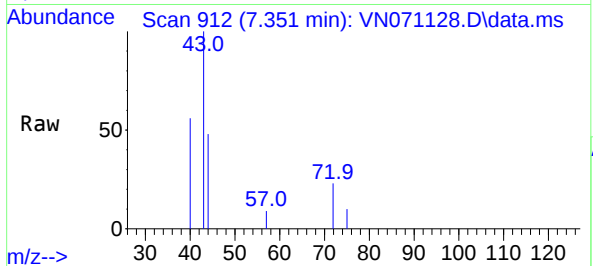




#25
2-Butanone
Concen: 0.823 ug/l
RT: 7.351 min Scan# 912
Delta R.T. 0.024 min
Lab File: VN071128.D
Acq: 01 Mar 2022 19:00

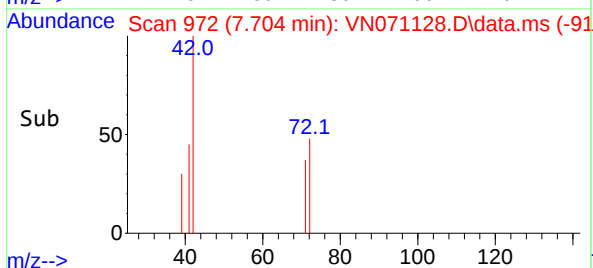
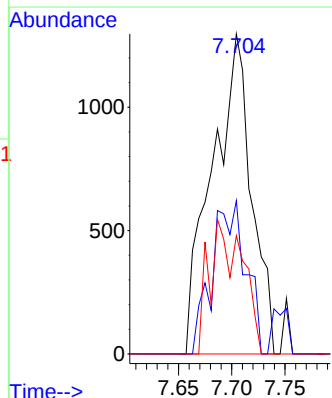
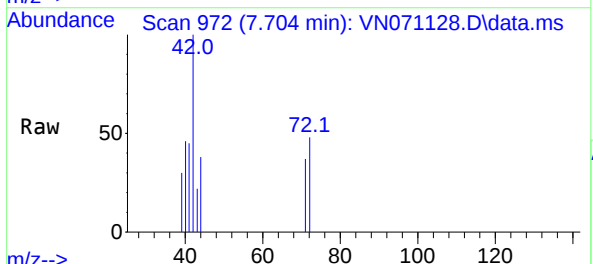
Instrument :
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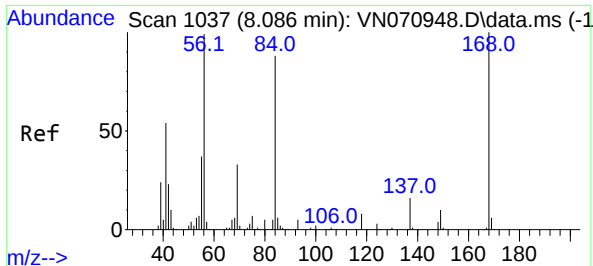
Tgt Ion: 43 Resp: 5691
Ion Ratio Lower Upper
43 100
72 23.0 21.7 32.5



#29
Tetrahydrofuran
Concen: 0.743 ug/l
RT: 7.704 min Scan# 972
Delta R.T. 0.024 min
Lab File: VN071128.D
Acq: 01 Mar 2022 19:00

Tgt Ion: 42 Resp: 3331
Ion Ratio Lower Upper
42 100
72 41.0 36.3 54.5
71 20.9 34.7 52.1#

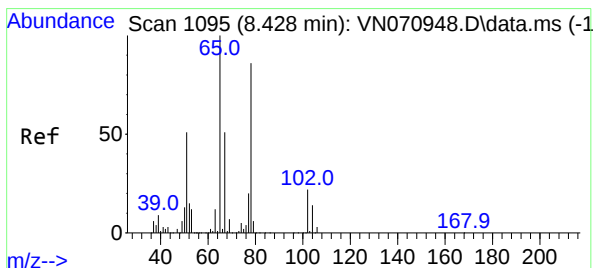
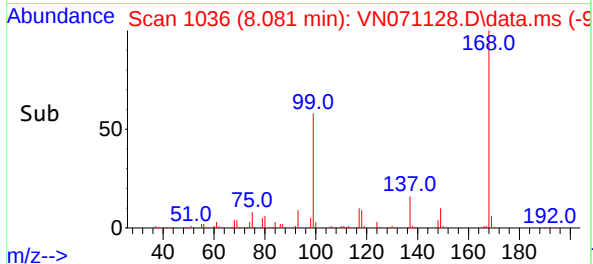
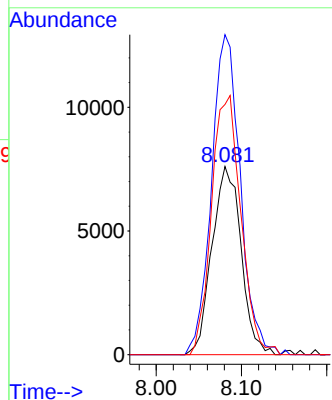
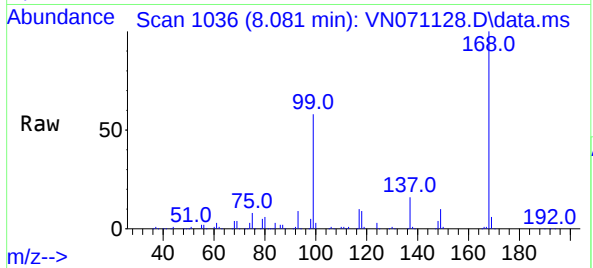




#31
Cyclohexane
Concen: 1.103 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VN071128.D
Acq: 01 Mar 2022 19:00

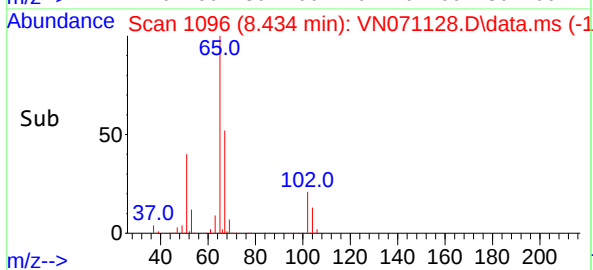
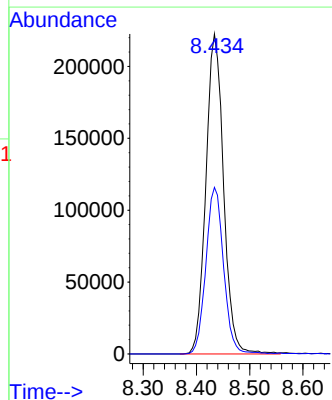
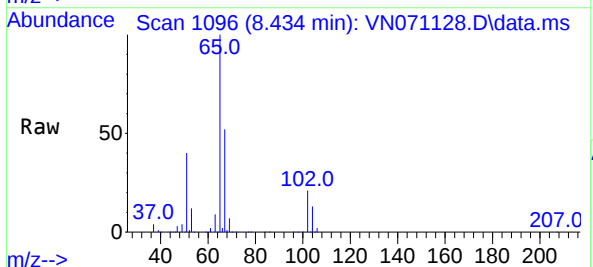
Instrument :
MSVOA_N
ClientSampleId :
MW-44

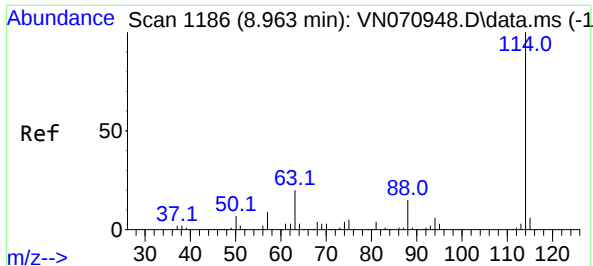
Tgt Ion: 56 Resp: 18016
Ion Ratio Lower Upper
56 100
69 170.0 27.1 40.7#
84 133.0 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 54.337 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. 0.006 min
Lab File: VN071128.D
Acq: 01 Mar 2022 19:00

Tgt Ion: 65 Resp: 513162
Ion Ratio Lower Upper
65 100
67 52.1 0.0 103.0

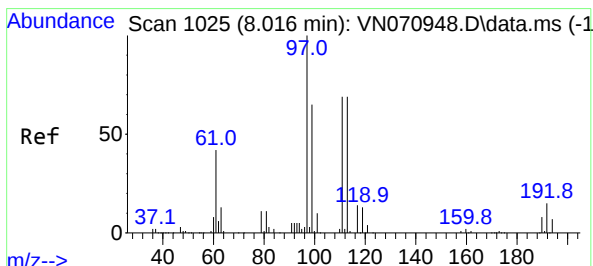
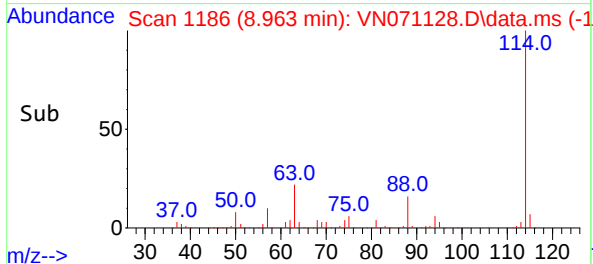
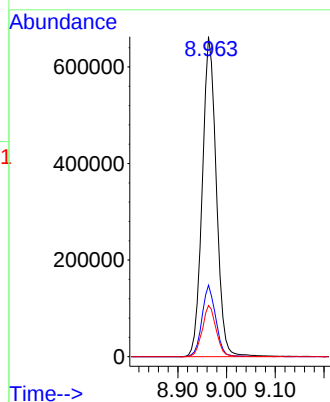
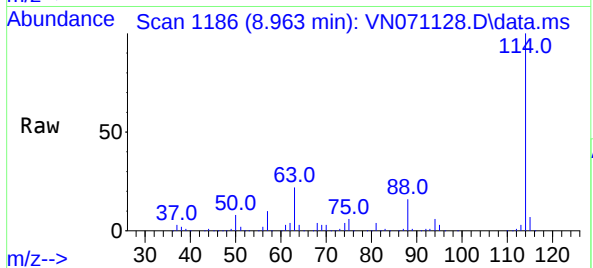




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.000 min
Lab File: VN071128.D
Acq: 01 Mar 2022 19:00

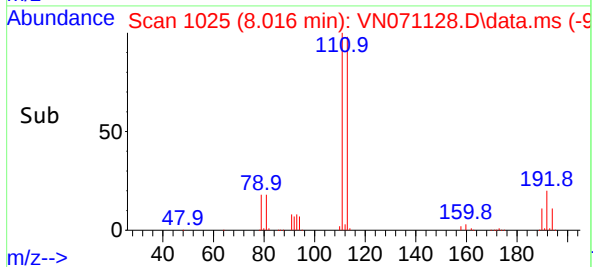
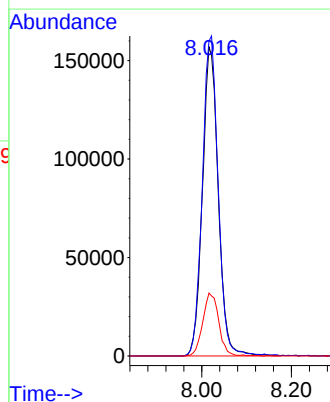
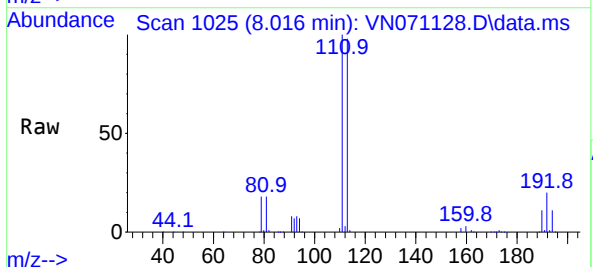
Instrument :
MSVOA_N
ClientSampleId :
MW-44

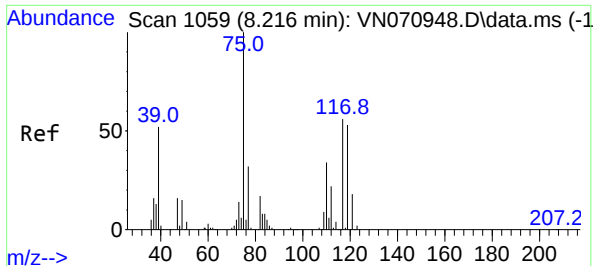
Tgt Ion:114 Resp: 1326919
Ion Ratio Lower Upper
114 100
63 22.3 0.0 37.8
88 16.0 0.0 27.4



#35
Dibromofluoromethane
Concen: 48.720 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. 0.000 min
Lab File: VN071128.D
Acq: 01 Mar 2022 19:00

Tgt Ion:113 Resp: 384522
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.2
192 20.4 16.9 25.3

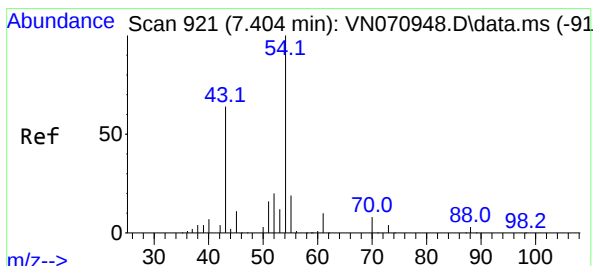
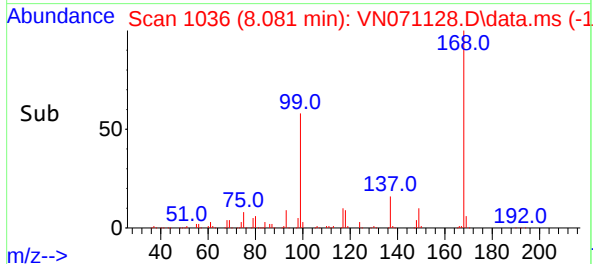
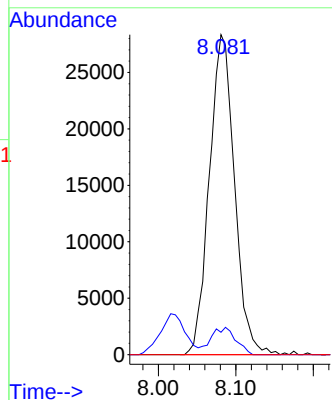
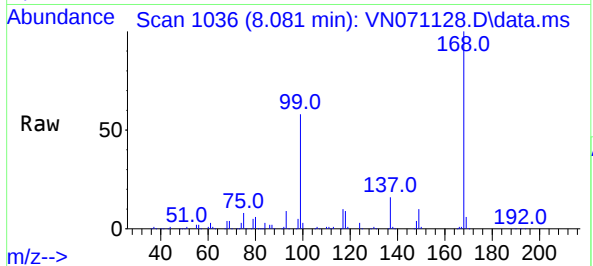




#36
1,1-Dichloropropene
Concen: 4.943 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.135 min
Lab File: VN071128.D
Acq: 01 Mar 2022 19:00

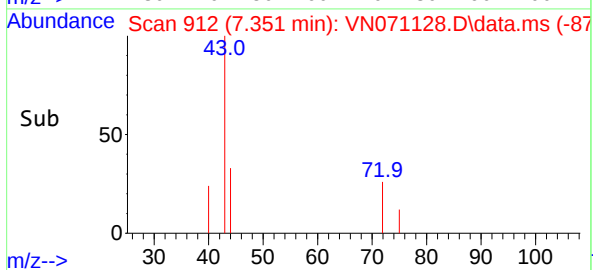
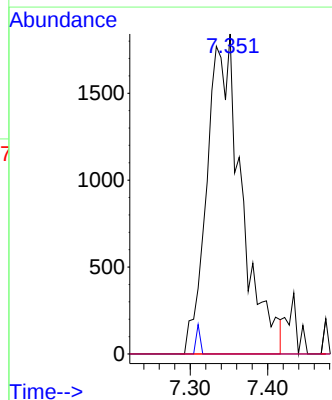
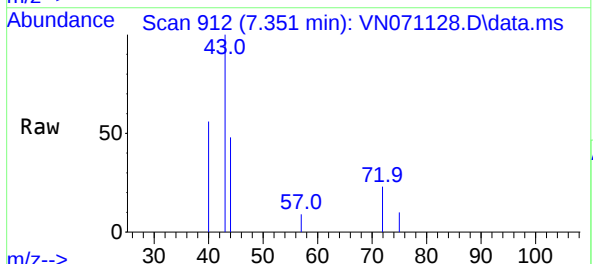
Instrument :
MSVOA_N
ClientSampleId :
MW-44

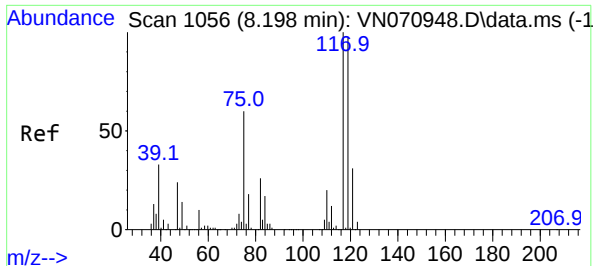
Tgt Ion: 75 Resp: 63913
Ion Ratio Lower Upper
75 100
110 8.5 18.4 55.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 0.410 ug/l
RT: 7.351 min Scan# 912
Delta R.T. -0.053 min
Lab File: VN071128.D
Acq: 01 Mar 2022 19:00

Tgt Ion: 43 Resp: 5691
Ion Ratio Lower Upper
43 100
61 0.0 11.5 17.3#
70 0.0 7.9 11.9#

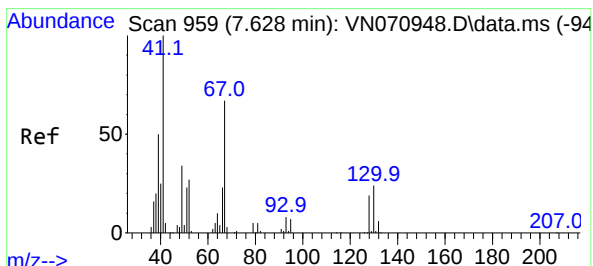
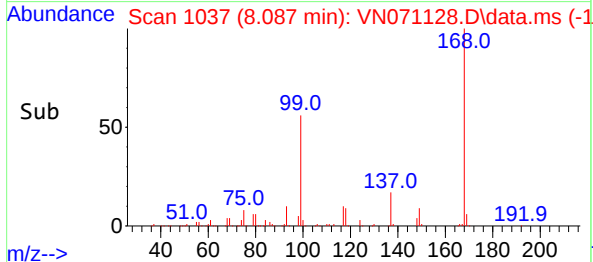
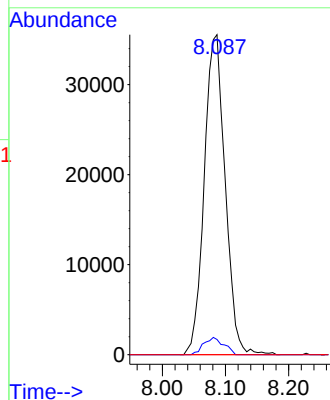
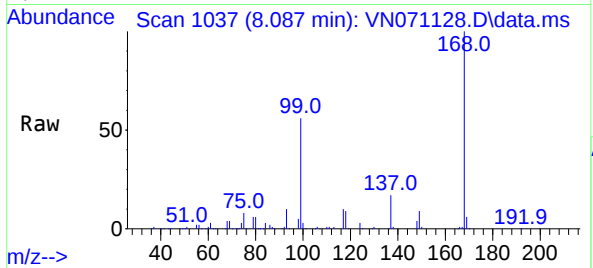




#38
Carbon Tetrachloride
Concen: 6.416 ug/l
RT: 8.087 min Scan# 1056
Delta R.T. -0.112 min
Lab File: VN071128.D
Acq: 01 Mar 2022 19:00

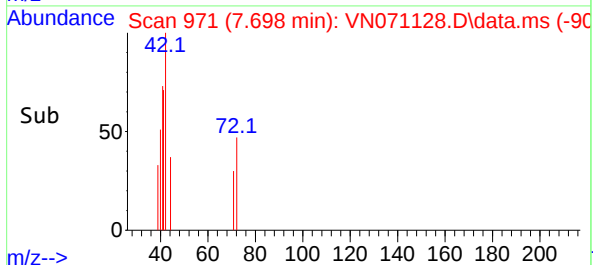
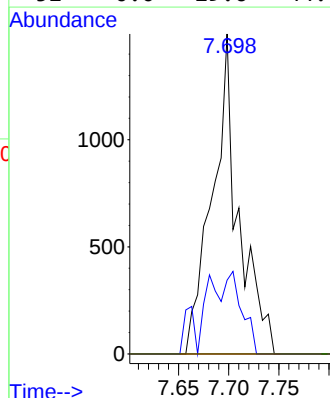
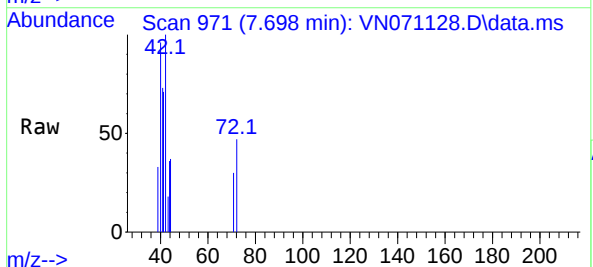
Instrument :
MSVOA_N
ClientSampleId :
MW-44

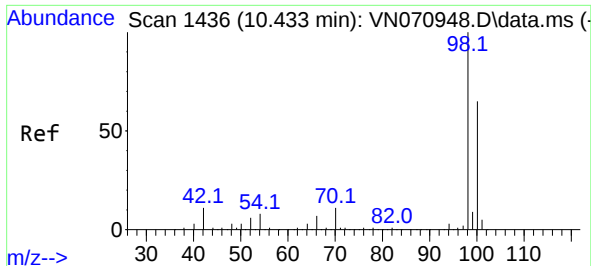
Tgt Ion:117 Resp: 81741
Ion Ratio Lower Upper
117 100
119 4.8 76.1 114.1#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 0.372 ug/l
RT: 7.698 min Scan# 971
Delta R.T. 0.071 min
Lab File: VN071128.D
Acq: 01 Mar 2022 19:00

Tgt Ion: 41 Resp: 2720
Ion Ratio Lower Upper
41 100
39 16.7 48.1 72.1#
67 0.0 68.3 102.5#
52 0.0 29.6 44.4#

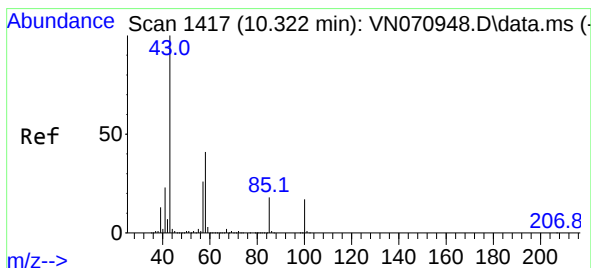
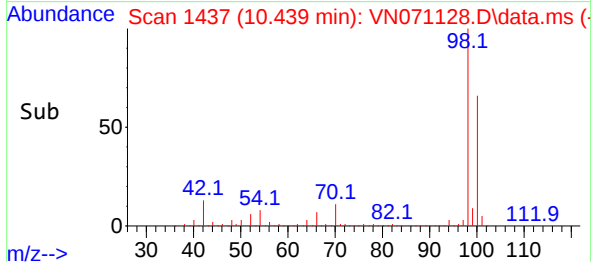
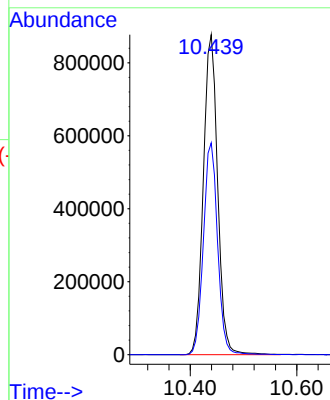
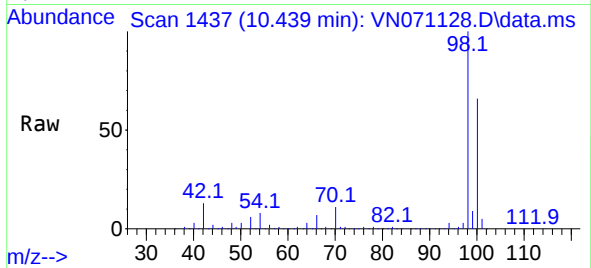




#50
Toluene-d8
Concen: 51.498 ug/l
RT: 10.439 min Scan# 1436
Delta R.T. 0.006 min
Lab File: VN071128.D
Acq: 01 Mar 2022 19:00

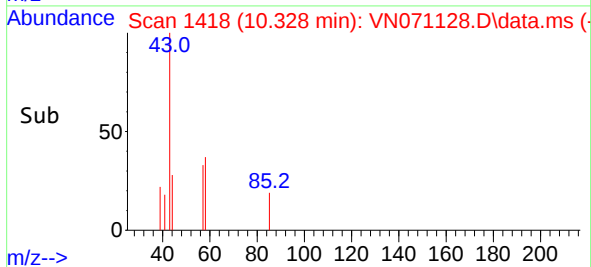
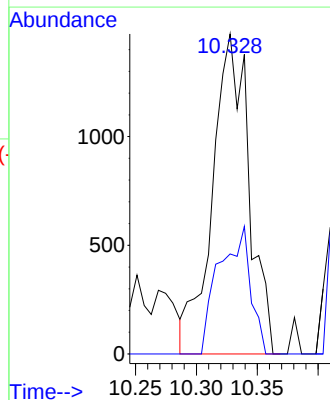
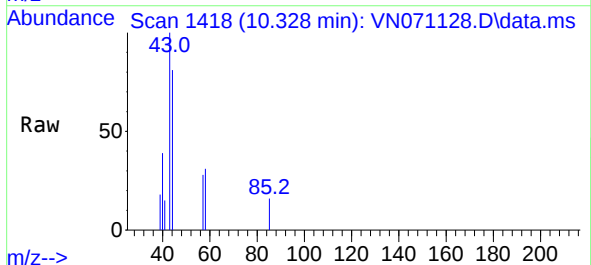
Instrument :
MSVOA_N
ClientSampleId :
MW-44

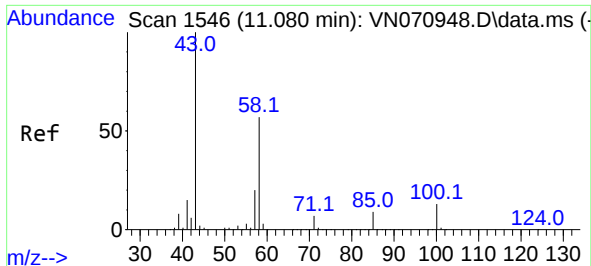
Tgt Ion: 98 Resp: 1632275
Ion Ratio Lower Upper
98 100
100 65.5 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.231 ug/l
RT: 10.328 min Scan# 1418
Delta R.T. 0.006 min
Lab File: VN071128.D
Acq: 01 Mar 2022 19:00

Tgt Ion: 43 Resp: 3068
Ion Ratio Lower Upper
43 100
58 34.3 30.4 45.6

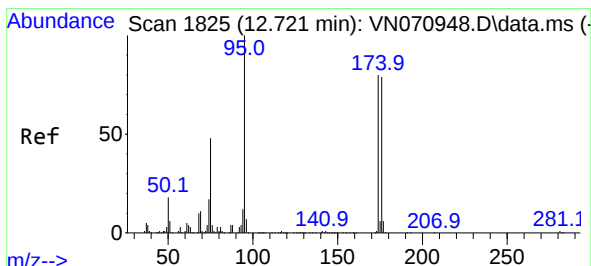
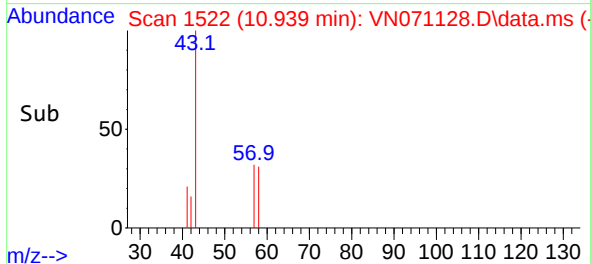
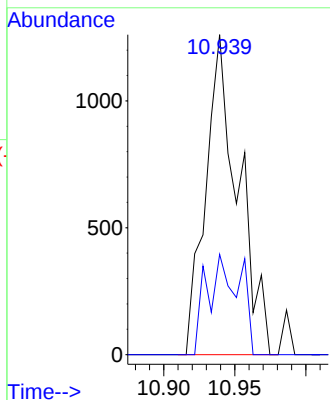
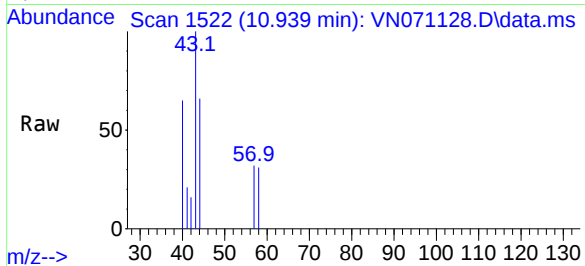




#59
2-Hexanone
Concen: 0.221 ug/l
RT: 10.939 min Scan# 11
Delta R.T. -0.141 min
Lab File: VN071128.D
Acq: 01 Mar 2022 19:00

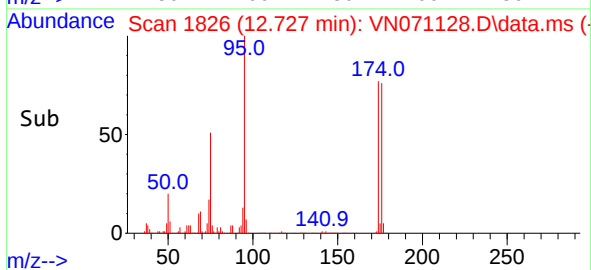
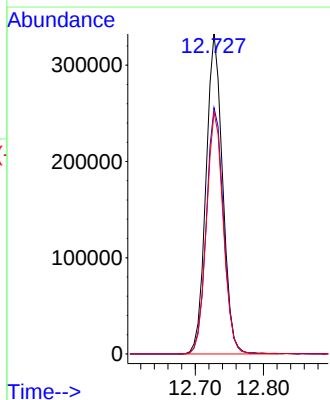
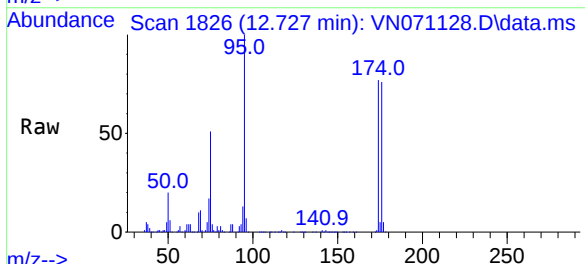
Instrument :
MSVOA_N
ClientSampleId :
MW-44

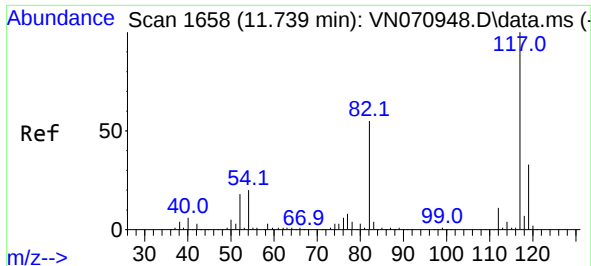
Tgt Ion: 43 Resp: 2023
Ion Ratio Lower Upper
43 100
58 31.1 26.9 80.7



#62
4-Bromofluorobenzene
Concen: 49.737 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN071128.D
Acq: 01 Mar 2022 19:00

Tgt Ion: 95 Resp: 563491
Ion Ratio Lower Upper
95 100
174 79.4 0.0 187.2
176 76.8 0.0 181.4

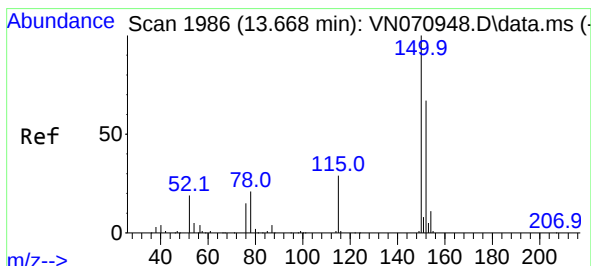
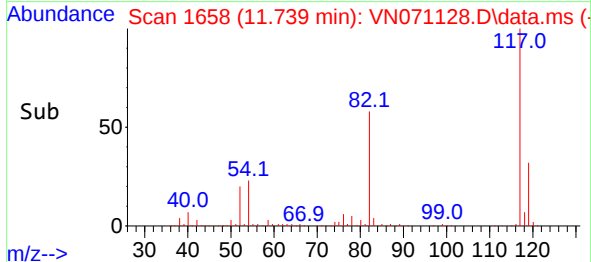
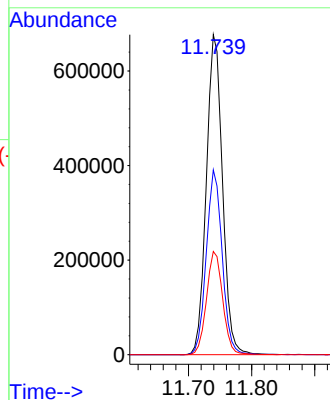
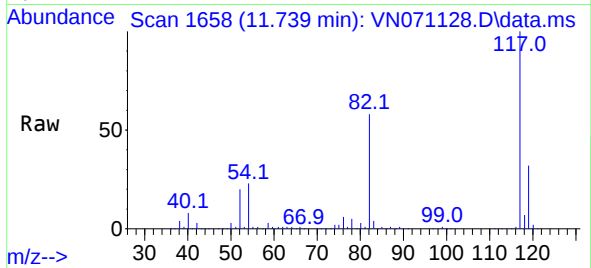




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN071128.D
Acq: 01 Mar 2022 19:00

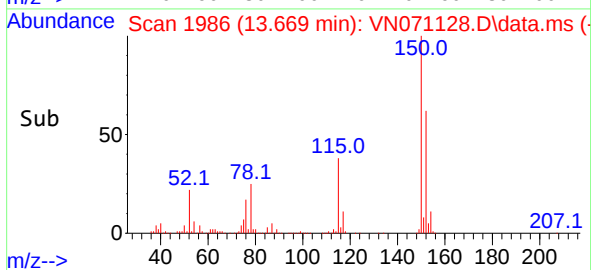
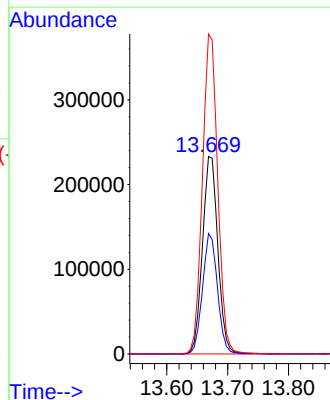
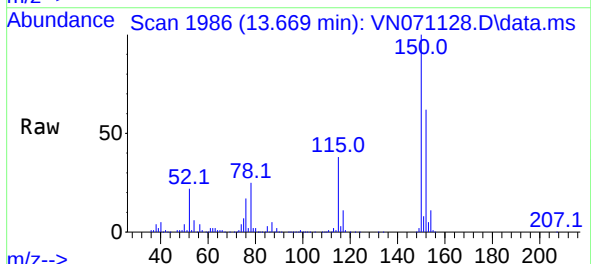
Instrument :
MSVOA_N
ClientSampleId :
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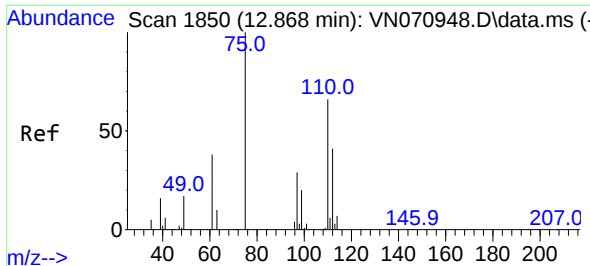
Tgt Ion:117 Resp: 1202625
Ion Ratio Lower Upper
117 100
82 57.7 42.4 63.6
119 32.3 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN071128.D
Acq: 01 Mar 2022 19:00

Tgt Ion:152 Resp: 410383
Ion Ratio Lower Upper
152 100
115 59.2 27.5 82.5
150 161.3 0.0 344.4

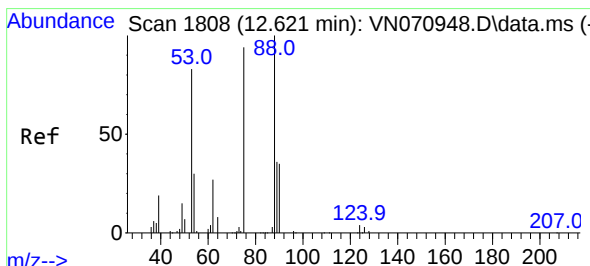
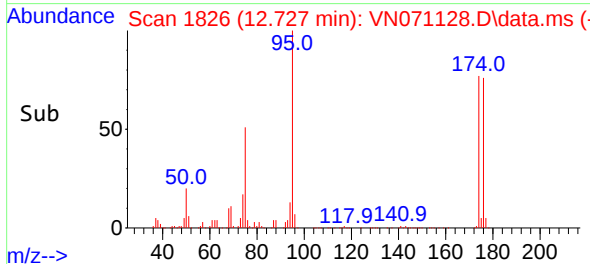
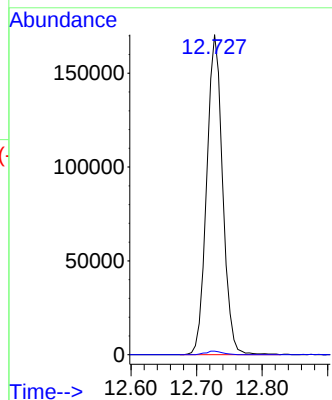
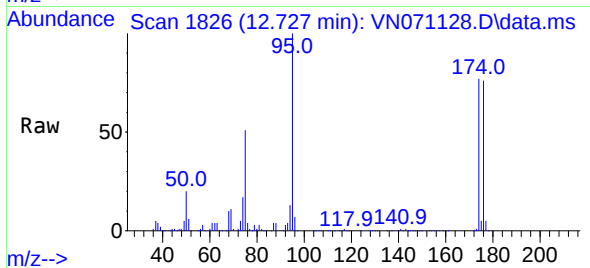




#76
1,2,3-Trichloropropane
Concen: 29.832 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN071128.D
Acq: 01 Mar 2022 19:00

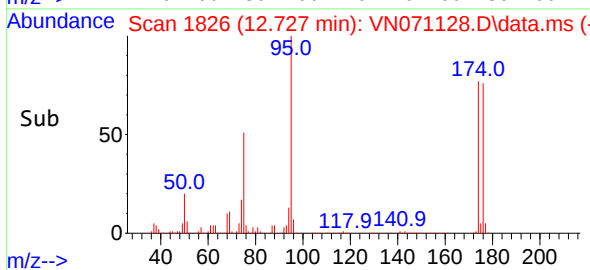
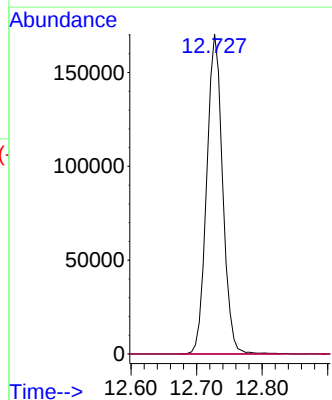
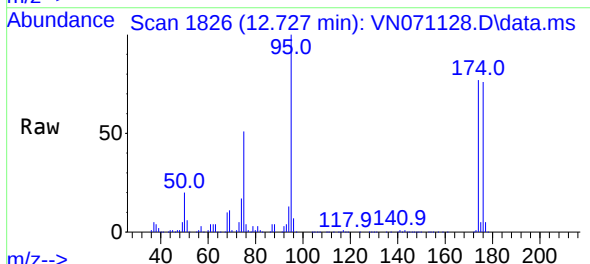
Instrument :
MSVOA_N
ClientSampleId :
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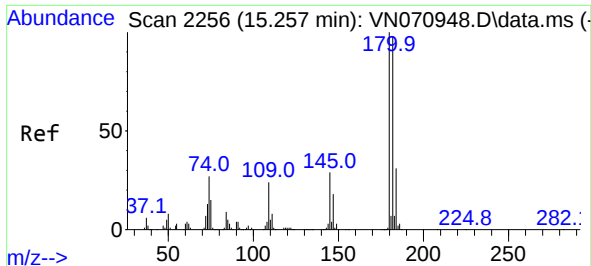
Tgt Ion: 75 Resp: 288255
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.670 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071128.D
Acq: 01 Mar 2022 19:00

Tgt Ion: 75 Resp: 288255
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

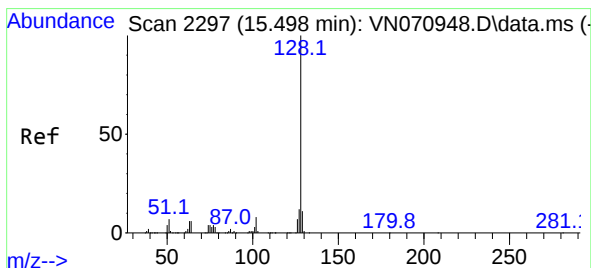
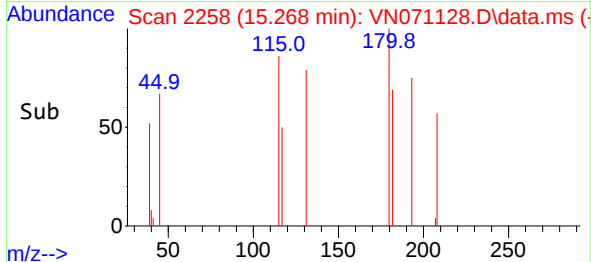
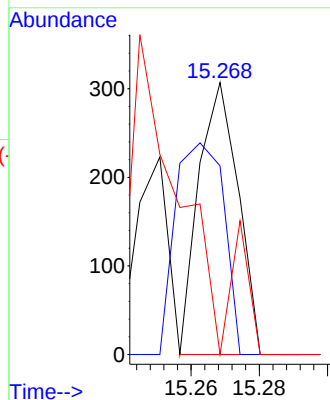
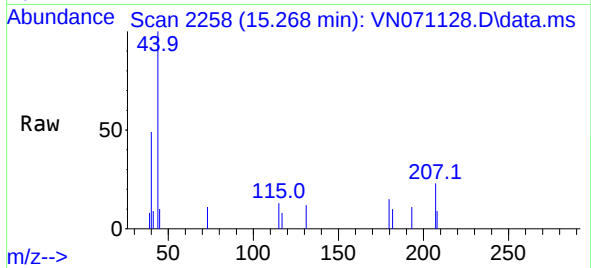




#93
1,2,4-Trichlorobenzene
Concen: 2.030 ug/l
RT: 15.268 min Scan# 21
Delta R.T. 0.011 min
Lab File: VN071128.D
Acq: 01 Mar 2022 19:00

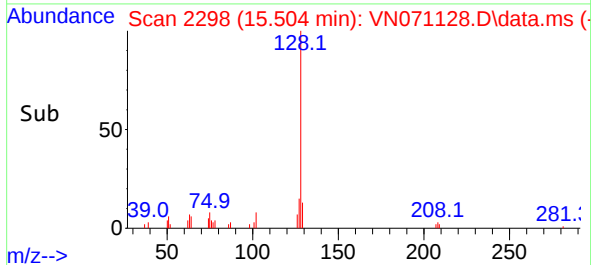
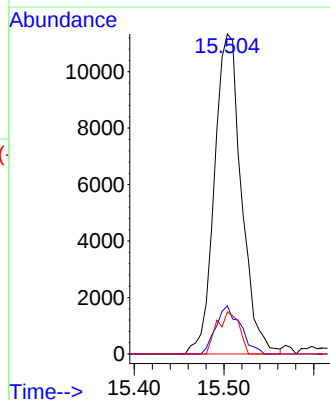
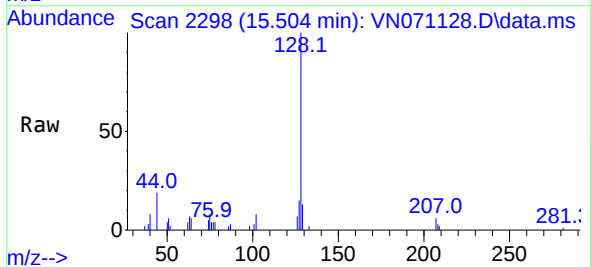
Instrument :
MSVOA_N
ClientSampleId :
MW-44

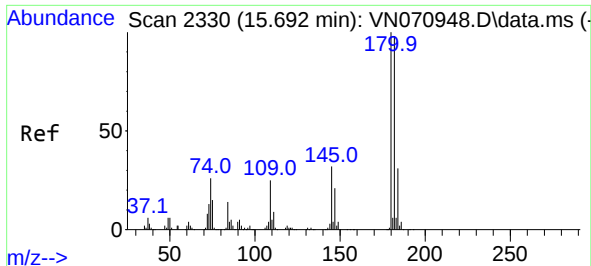
Tgt Ion:180 Resp: 247
Ion Ratio Lower Upper
180 100
182 95.5 48.3 144.9
145 0.0 14.5 43.5#



#95
Naphthalene
Concen: 6.151 ug/l
RT: 15.504 min Scan# 2298
Delta R.T. 0.006 min
Lab File: VN071128.D
Acq: 01 Mar 2022 19:00

Tgt Ion:128 Resp: 23677
Ion Ratio Lower Upper
128 100
127 13.7 10.5 15.7
129 10.8 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 2.571 ug/l
 RT: 15.704 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VN071128.D
 Acq: 01 Mar 2022 19:00

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-44

Tgt Ion:	180	Resp:	402
Ion	Ratio	Lower	Upper
180	100		
182	52.7	47.4	142.2
145	18.2	15.0	45.1

