

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021622\
 Data File : VN070968.D
 Acq On : 16 Feb 2022 19:31
 Operator : JC\MD
 Sample : N1573-11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-25R

Quant Time: Feb 17 04:14:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 16 07:52:42 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

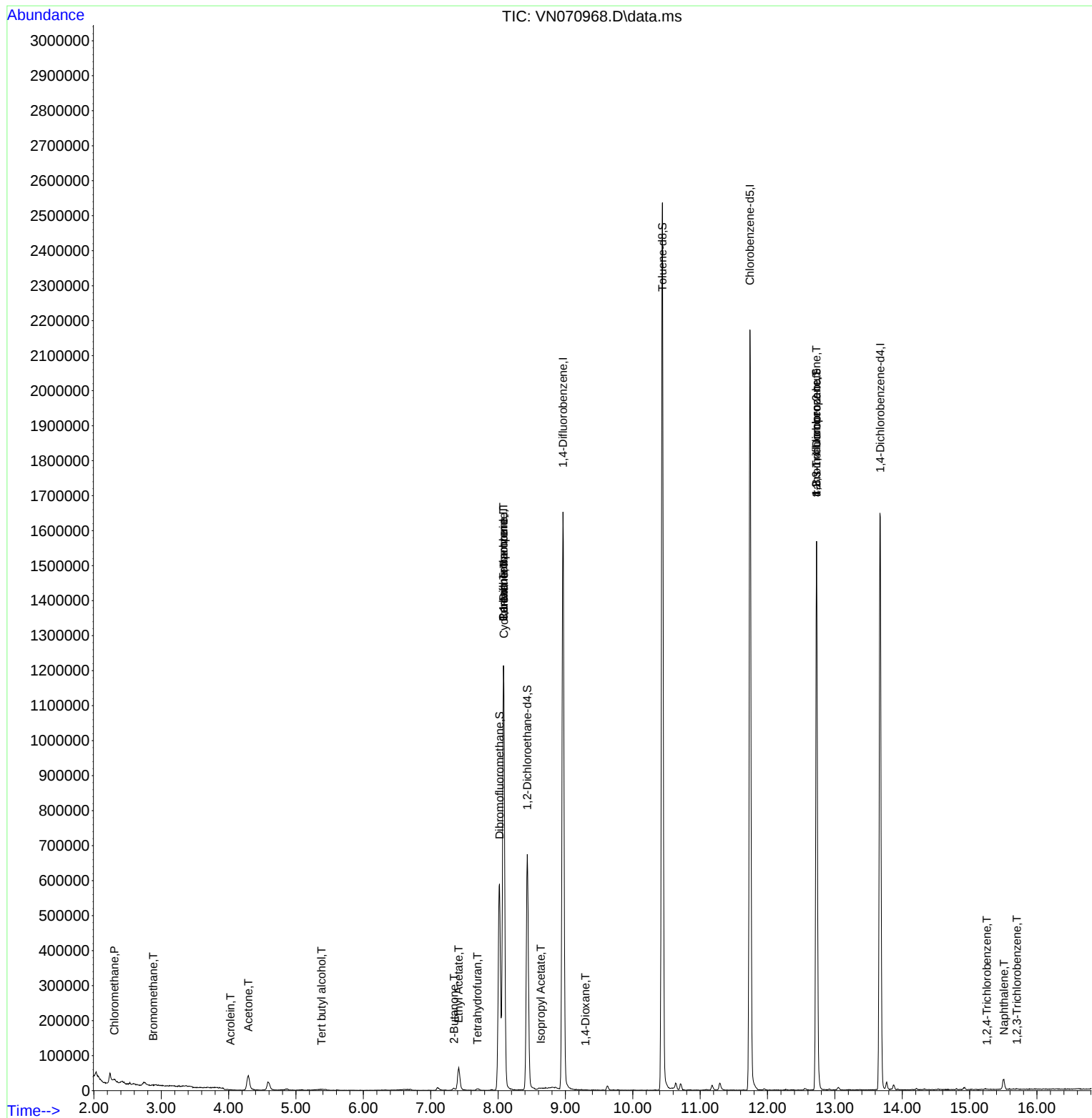
Internal Standards						
1) Pentafluorobenzene	8.081	168	968346	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1490144	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1318017	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	491545	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	547748	49.518	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.040%
35) Dibromofluoromethane	8.022	113	436987	49.303	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	98.600%
50) Toluene-d8	10.439	98	1764827	49.581	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.160%
62) 4-Bromofluorobenzene	12.727	95	561630	44.143	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	88.280%
Target Compounds						
					Qvalue	
3) Chloromethane	2.305	50	2700	0.214	ug/l	93
5) Bromomethane	2.881	94	1685	0.234	ug/l #	76
11) Tert butyl alcohol	5.381	59	1044	0.518	ug/l #	71
13) Acrolein	4.028	56	633	0.351	ug/l #	32
16) Acetone	4.293	43	74001	12.148	ug/l	94
18) Methyl Acetate	4.869	43	7062	Below Cal		95
25) 2-Butanone	7.345	43	8427	1.040	ug/l	98
29) Tetrahydrofuran	7.692	42	3406	0.649	ug/l #	70
31) Cyclohexane	8.086	56	18709	0.978	ug/l #	1
36) 1,1-Dichloropropene	8.081	75	71747	4.941	ug/l #	49
37) Ethyl Acetate	7.416	43	100266	6.438	ug/l	98
38) Carbon Tetrachloride	8.081	117	91356	6.385	ug/l #	15
43) Isopropyl Acetate	8.634	43	6066	0.247	ug/l #	55
49) 1,4-Dioxane	9.298	88	61	0.296	ug/l #	1
76) 1,2,3-Trichloropropane	12.727	75	277289	23.959	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	277289	77.638	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.257	180	278	2.028	ug/l #	28
95) Naphthalene	15.510	128	31988	6.300	ug/l	98
96) 1,2,3-Trichlorobenzene	15.704	180	324	2.553	ug/l #	50

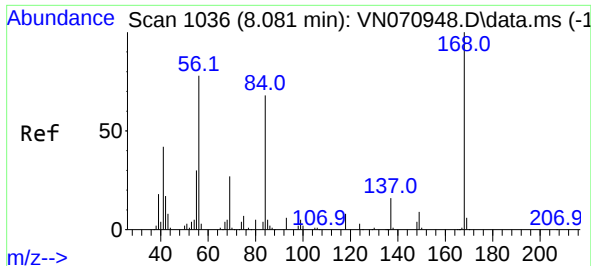
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 16 07:52:42 2022
Response via : Initial Calibration

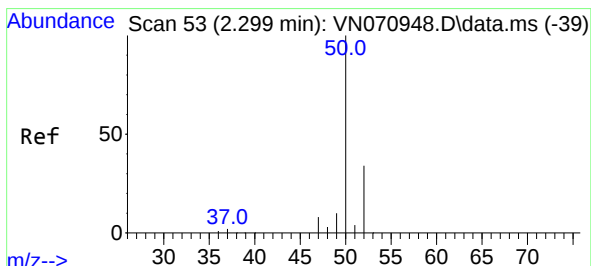
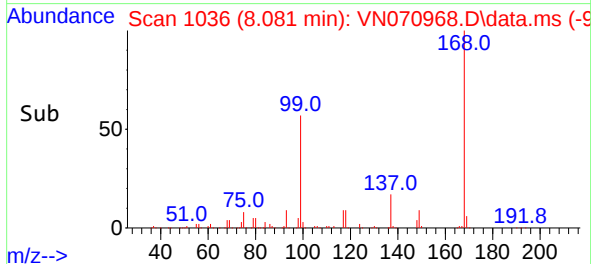
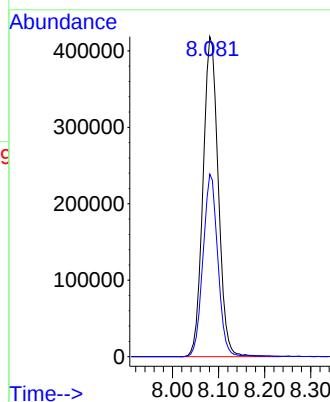
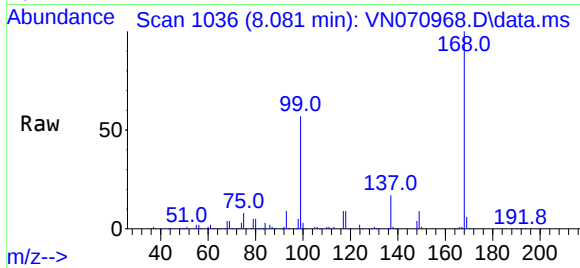




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN070968.D
Acq: 16 Feb 2022 19:31

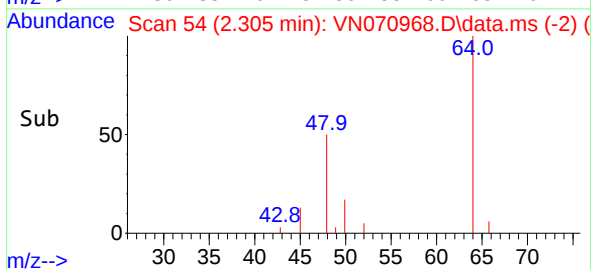
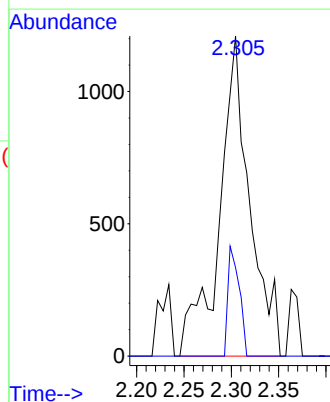
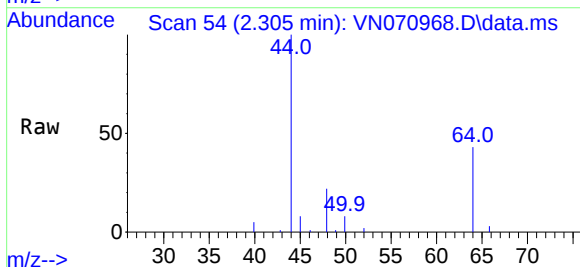
Instrument :
MSVOA_N
ClientSampleId :
MW-25R

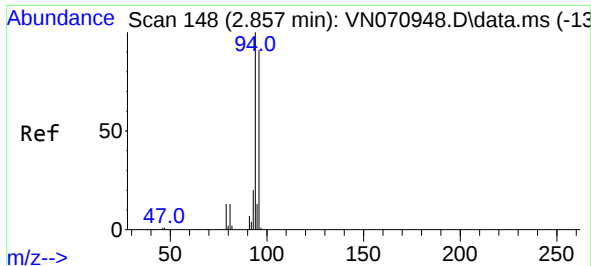
Tgt Ion:168 Resp: 968346
Ion Ratio Lower Upper
168 100
99 57.0 41.3 61.9



#3
Chloromethane
Concen: 0.214 ug/l
RT: 2.305 min Scan# 54
Delta R.T. 0.006 min
Lab File: VN070968.D
Acq: 16 Feb 2022 19:31

Tgt Ion: 50 Resp: 2700
Ion Ratio Lower Upper
50 100
52 27.6 25.4 38.0

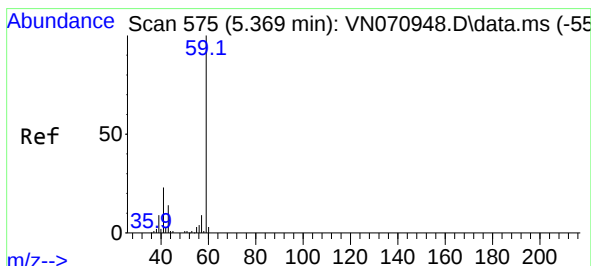
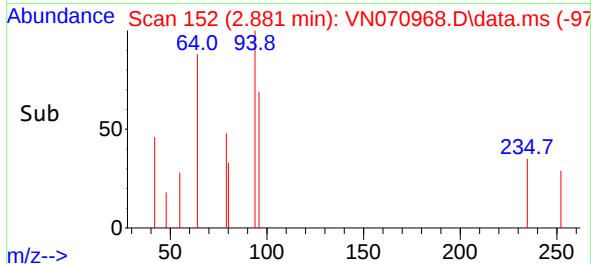
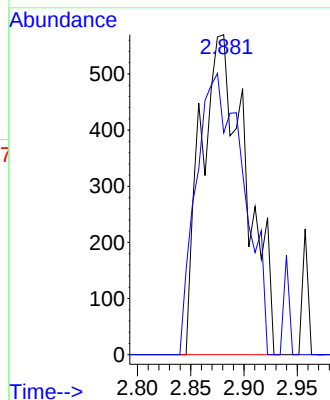
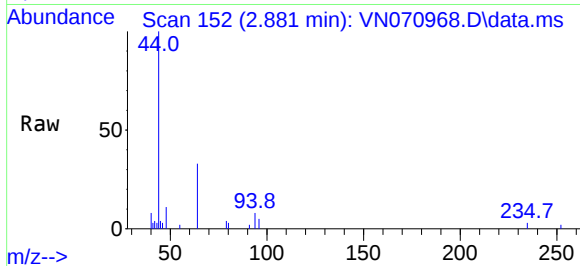




#5
Bromomethane
Concen: 0.234 ug/l
RT: 2.881 min Scan# 11
Delta R.T. 0.024 min
Lab File: VN070968.D
Acq: 16 Feb 2022 19:31

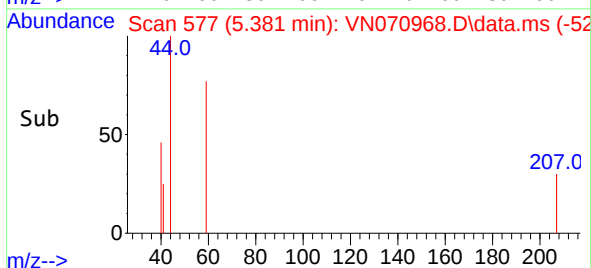
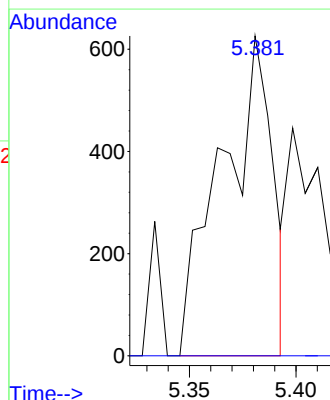
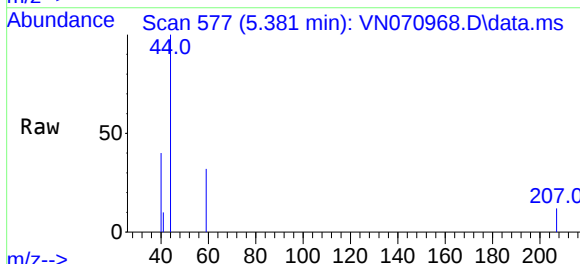
Instrument :
MSVOA_N
ClientSampleId :
MW-25R

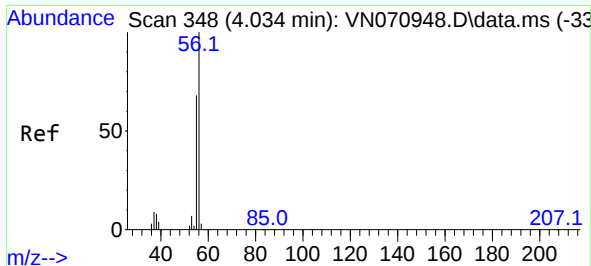
Tgt Ion: 94 Resp: 1685
Ion Ratio Lower Upper
94 100
96 69.3 73.8 110.8#



#11
Tert butyl alcohol
Concen: 0.518 ug/l
RT: 5.381 min Scan# 577
Delta R.T. 0.012 min
Lab File: VN070968.D
Acq: 16 Feb 2022 19:31

Tgt Ion: 59 Resp: 1044
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

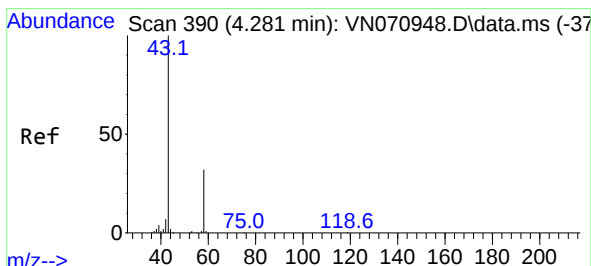
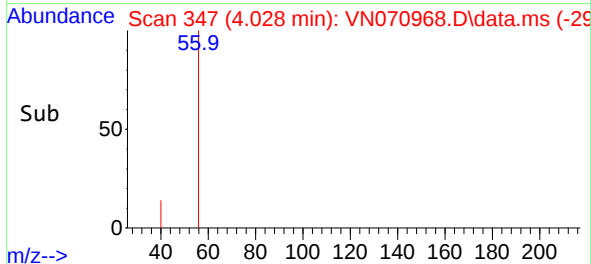
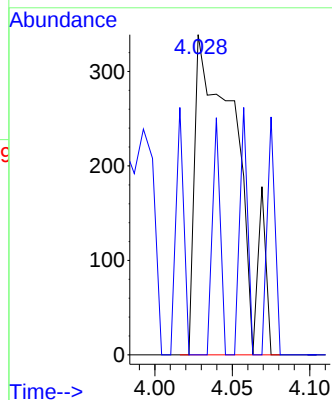
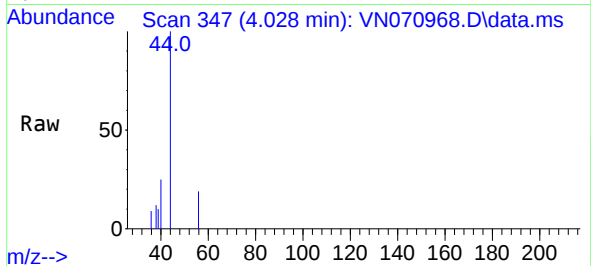




#13
Acrolein
Concen: 0.351 ug/l
RT: 4.028 min Scan# 34
Delta R.T. -0.006 min
Lab File: VN070968.D
Acq: 16 Feb 2022 19:31

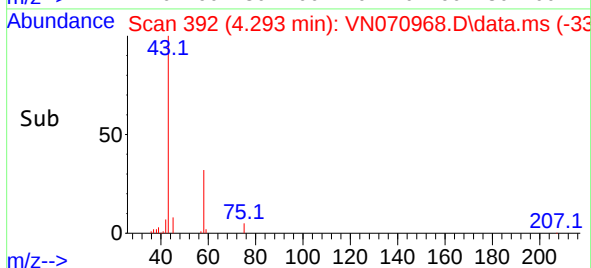
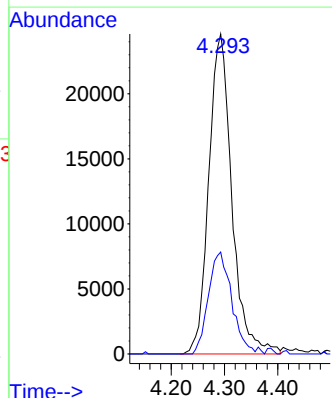
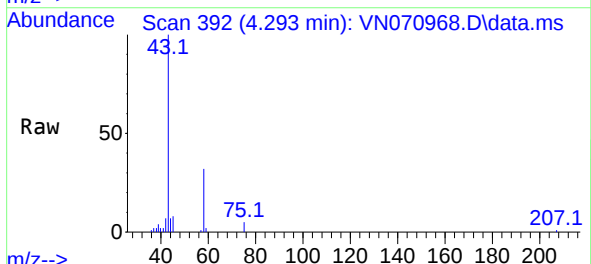
Instrument :
MSVOA_N
ClientSampleId :
MW-25R

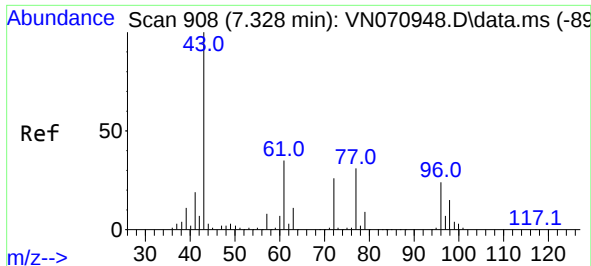
Tgt Ion: 56 Resp: 633
Ion Ratio Lower Upper
56 100
55 14.5 56.6 85.0#



#16
Acetone
Concen: 12.148 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.012 min
Lab File: VN070968.D
Acq: 16 Feb 2022 19:31

Tgt Ion: 43 Resp: 74001
Ion Ratio Lower Upper
43 100
58 31.9 23.1 34.7

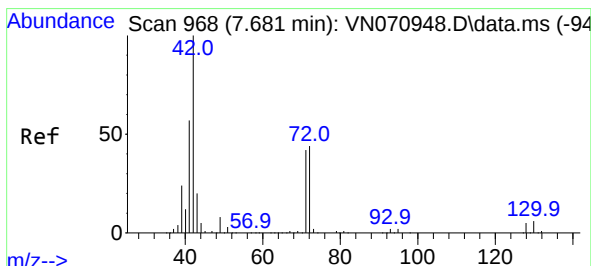
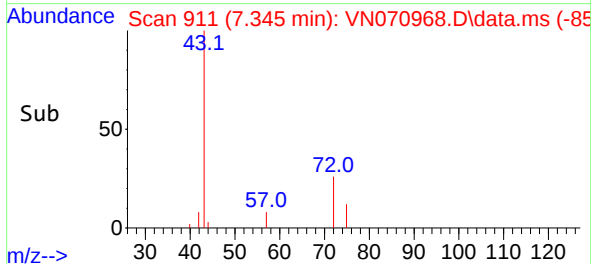
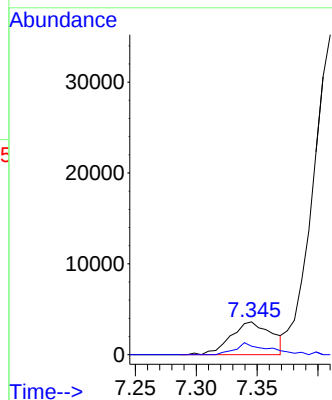
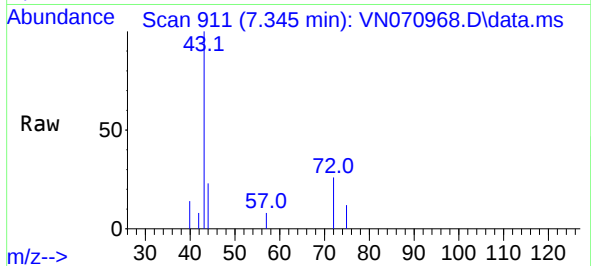




#25
2-Butanone
Concen: 1.040 ug/l
RT: 7.345 min Scan# 911
Delta R.T. 0.018 min
Lab File: VN070968.D
Acq: 16 Feb 2022 19:31

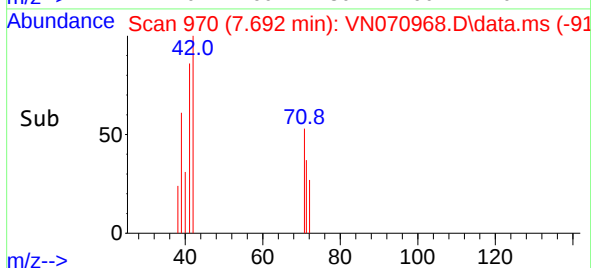
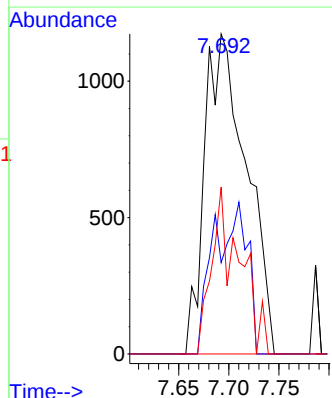
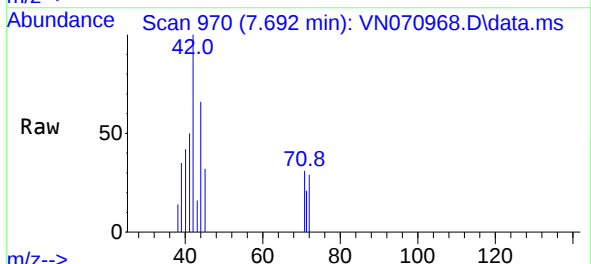
Instrument :
MSVOA_N
ClientSampleId :
MW-25R

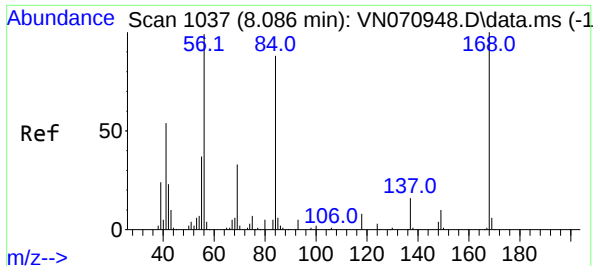
Tgt Ion: 43 Resp: 8427
Ion Ratio Lower Upper
43 100
72 26.1 21.7 32.5



#29
Tetrahydrofuran
Concen: 0.649 ug/l
RT: 7.692 min Scan# 970
Delta R.T. 0.012 min
Lab File: VN070968.D
Acq: 16 Feb 2022 19:31

Tgt Ion: 42 Resp: 3406
Ion Ratio Lower Upper
42 100
72 15.0 36.3 54.5#
71 34.9 34.7 52.1





#31

Cyclohexane

Concen: 0.978 ug/l

RT: 8.086 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VN070968.D

Acq: 16 Feb 2022 19:31

Instrument :

MSVOA_N

ClientSampleId :

MW-25R

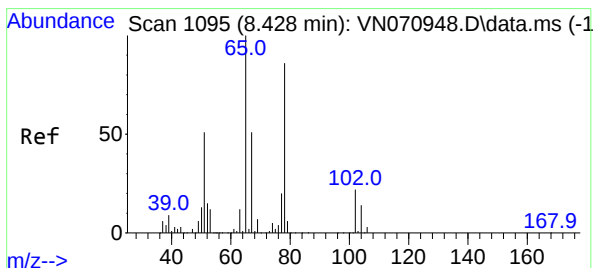
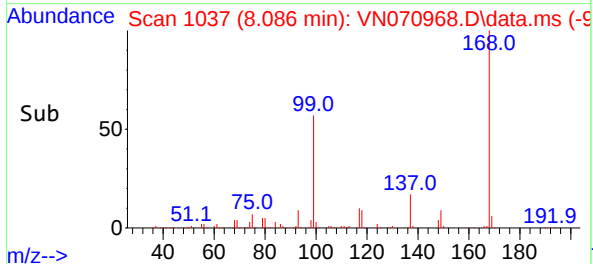
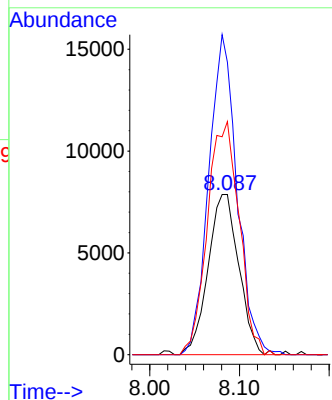
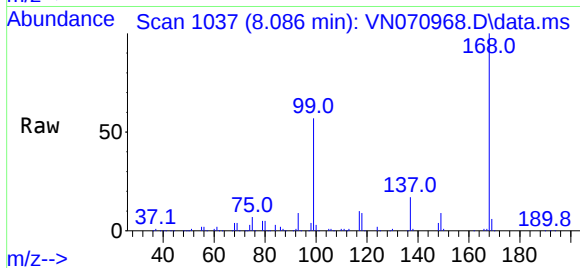
Tgt Ion: 56 Resp: 18709

Ion Ratio Lower Upper

56 100

69 182.6 27.1 40.7#

84 145.5 73.4 110.0#



#33

1,2-Dichloroethane-d4

Concen: 49.518 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. 0.006 min

Lab File: VN070968.D

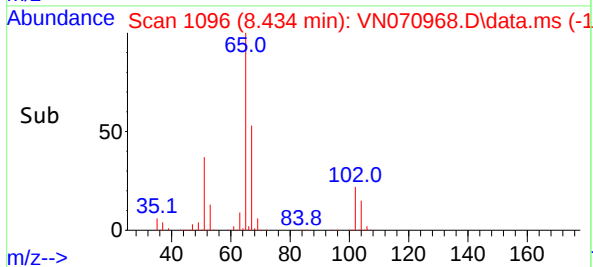
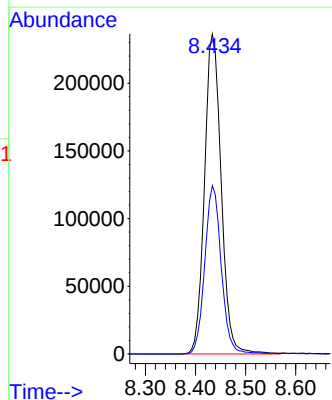
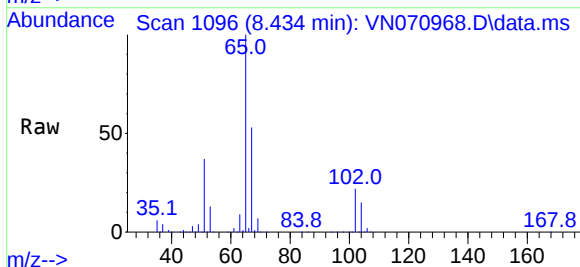
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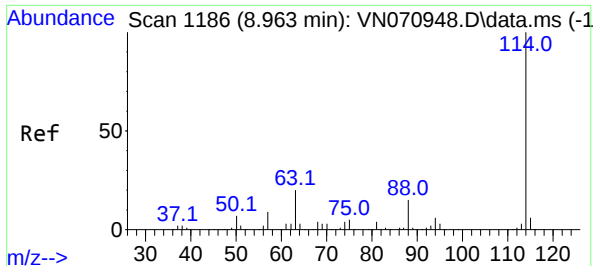
Tgt Ion: 65 Resp: 547748

Ion Ratio Lower Upper

65 100

67 51.9 0.0 103.0

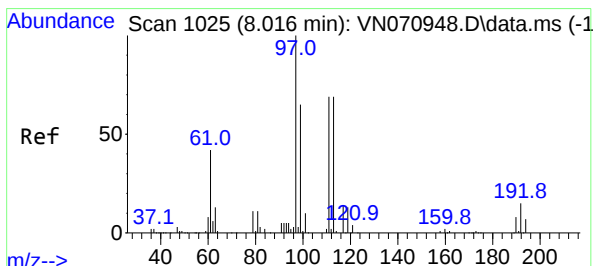
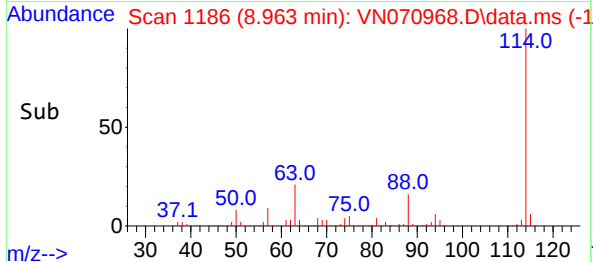
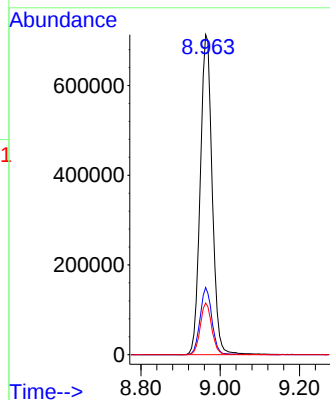
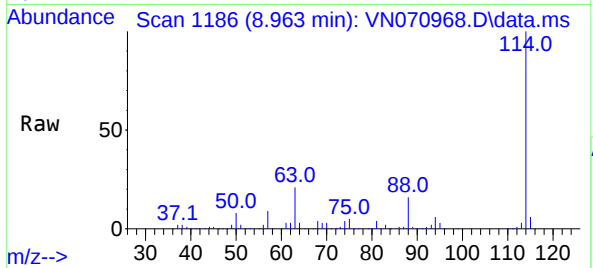




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.000 min
Lab File: VN070968.D
Acq: 16 Feb 2022 19:31

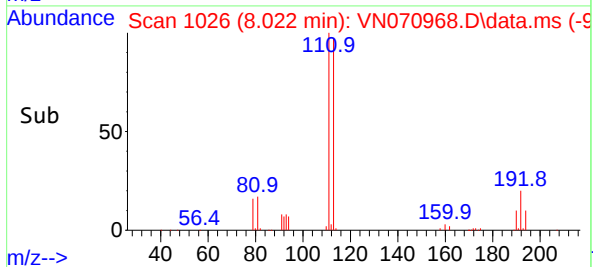
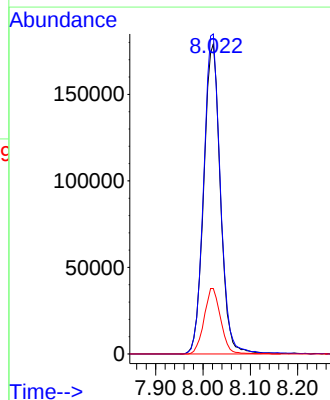
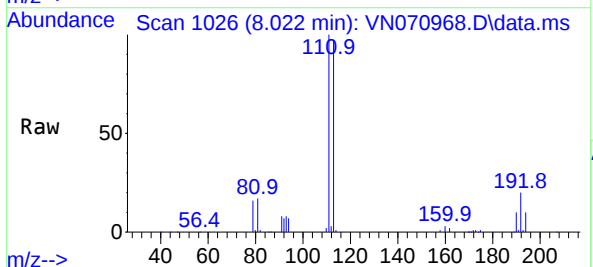
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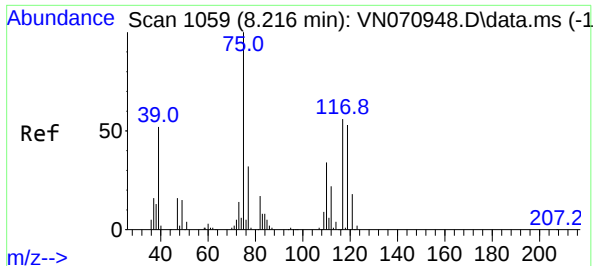
Tgt Ion:114 Resp: 1490144
Ion Ratio Lower Upper
114 100
63 21.0 0.0 37.8
88 16.1 0.0 27.4



#35
Dibromofluoromethane
Concen: 49.303 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN070968.D
Acq: 16 Feb 2022 19:31

Tgt Ion:113 Resp: 436987
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.2
192 21.0 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.941 ug/l

RT: 8.081 min Scan# 1059

Delta R.T. -0.135 min

Lab File: VN070968.D

Acq: 16 Feb 2022 19:31

Instrument :

MSVOA_N

ClientSampleId :

MW-25R

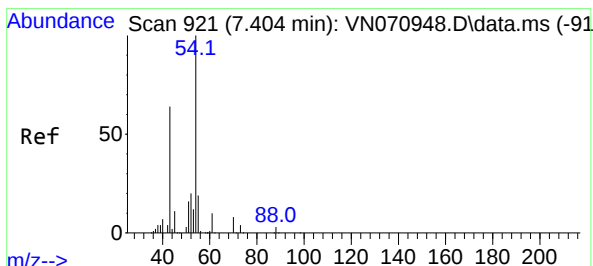
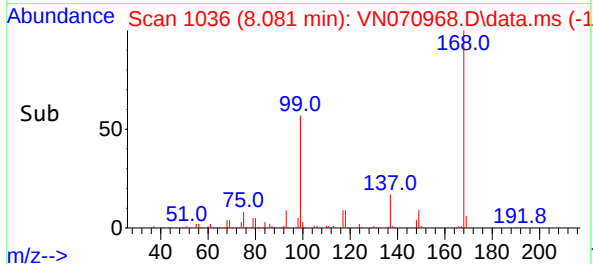
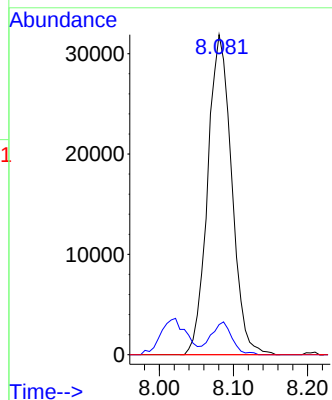
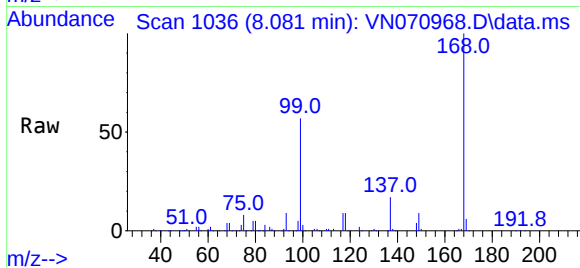
Tgt Ion: 75 Resp: 71747

Ion Ratio Lower Upper

75 100

110 9.2 18.4 55.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 6.438 ug/l

RT: 7.416 min Scan# 923

Delta R.T. 0.012 min

Lab File: VN070968.D

Acq: 16 Feb 2022 19:31

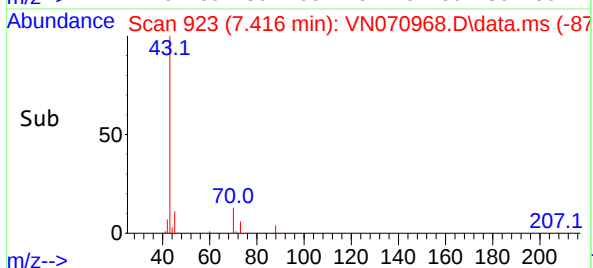
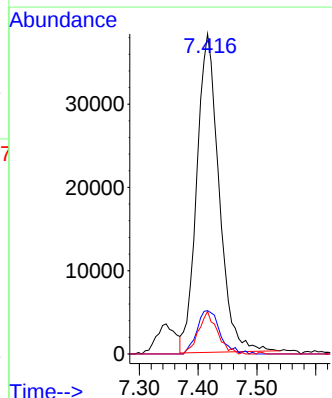
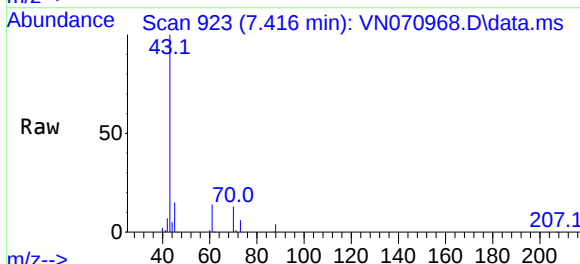
Tgt Ion: 43 Resp: 100266

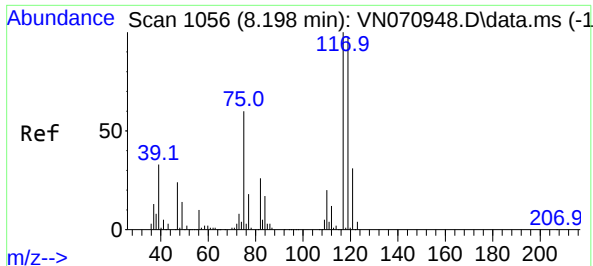
Ion Ratio Lower Upper

43 100

61 14.2 11.5 17.3

70 11.3 7.9 11.9

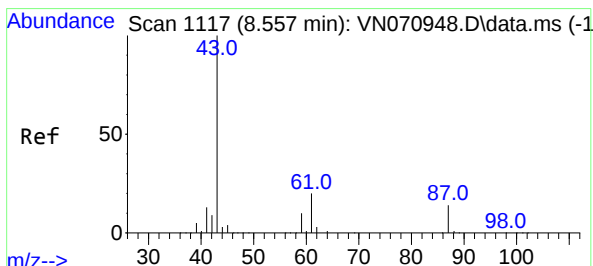
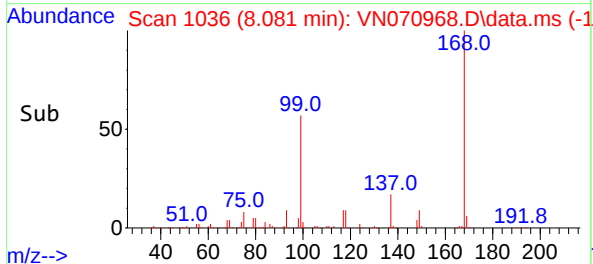
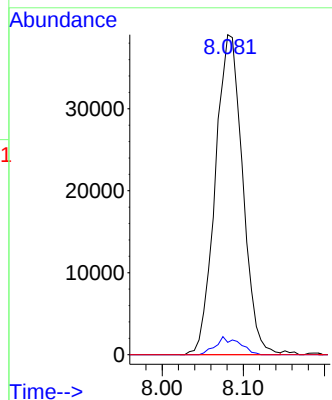
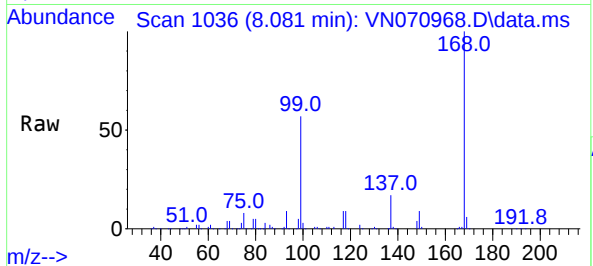




#38
Carbon Tetrachloride
Concen: 6.385 ug/l
RT: 8.081 min Scan# 1130
Delta R.T. -0.118 min
Lab File: VN070968.D
Acq: 16 Feb 2022 19:31

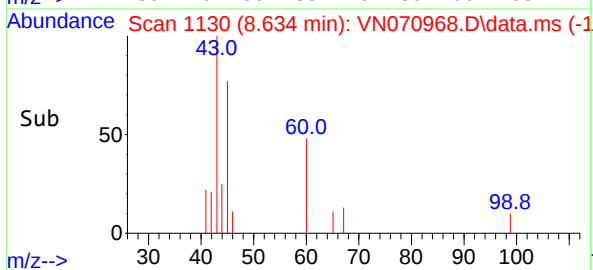
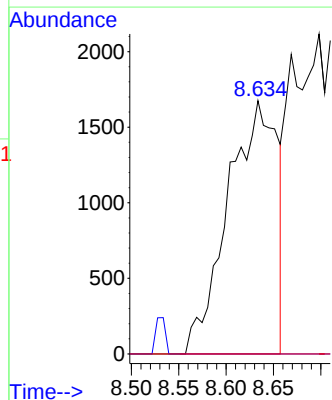
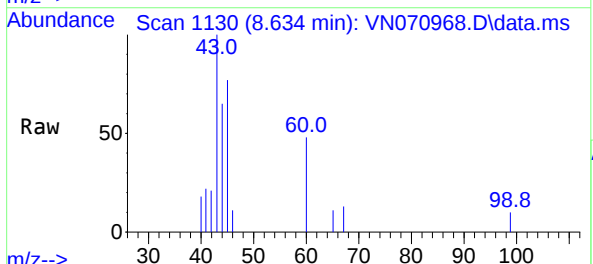
Instrument :
MSVOA_N
ClientSampleId :
MW-25R

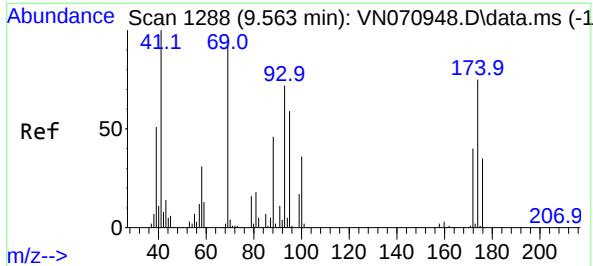
Tgt Ion:117 Resp: 91356
Ion Ratio Lower Upper
117 100
119 3.9 76.1 114.1#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 0.247 ug/l
RT: 8.634 min Scan# 1130
Delta R.T. 0.077 min
Lab File: VN070968.D
Acq: 16 Feb 2022 19:31

Tgt Ion: 43 Resp: 6066
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#

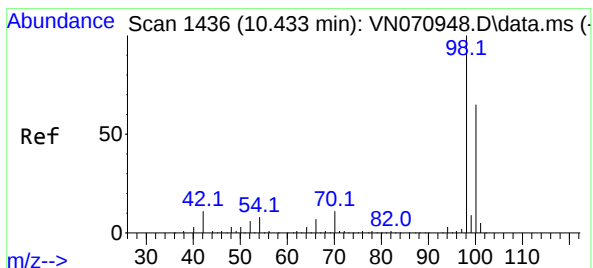
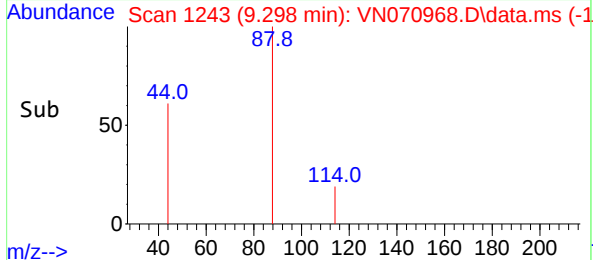
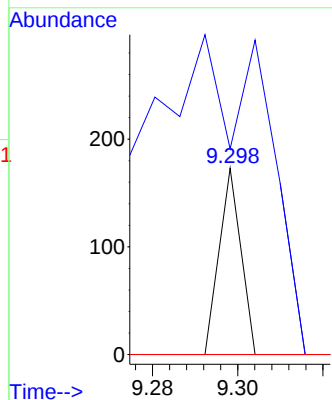
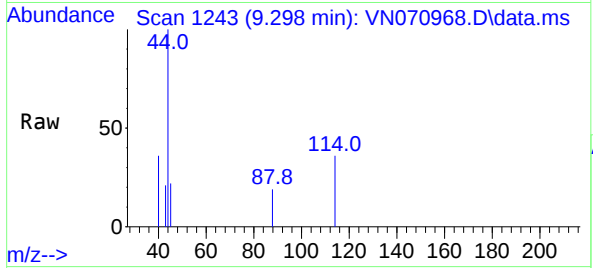




#49
1,4-Dioxane
Concen: 0.296 ug/l
RT: 9.298 min Scan# 11
Delta R.T. -0.265 min
Lab File: VN070968.D
Acq: 16 Feb 2022 19:31

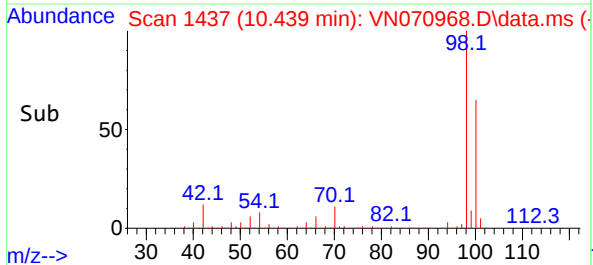
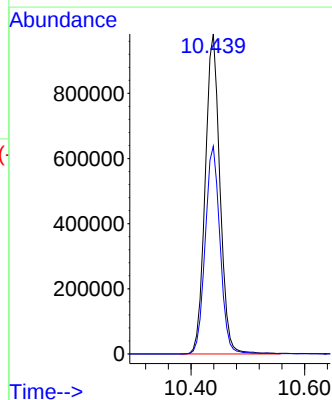
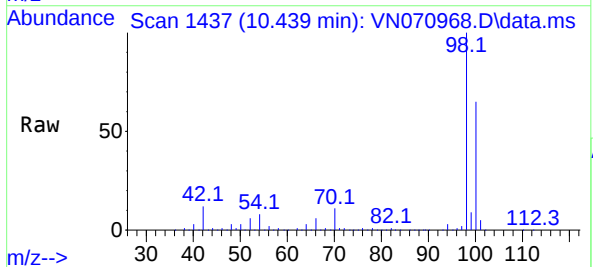
Instrument :
MSVOA_N
ClientSampleId :
MW-25R

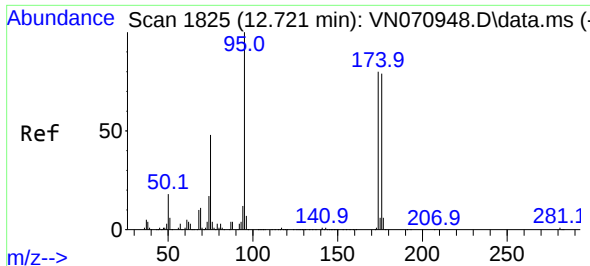
Tgt Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
43 809.8 23.4 35.2#
58 0.0 50.6 75.8#



#50
Toluene-d8
Concen: 49.581 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.006 min
Lab File: VN070968.D
Acq: 16 Feb 2022 19:31

Tgt Ion: 98 Resp: 1764827
Ion Ratio Lower Upper
98 100
100 65.3 50.4 75.6

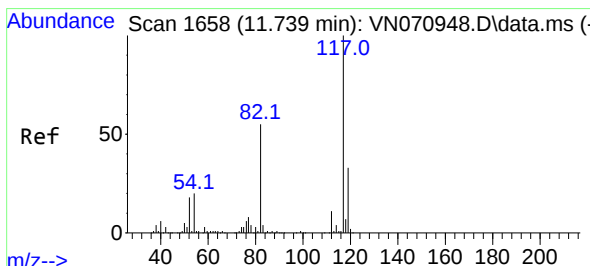
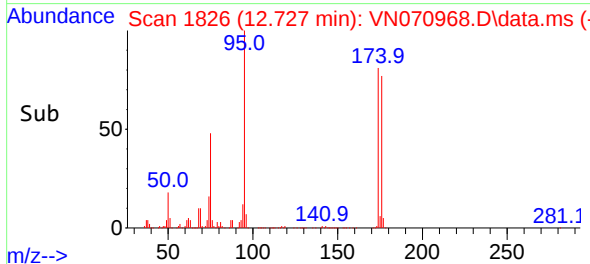
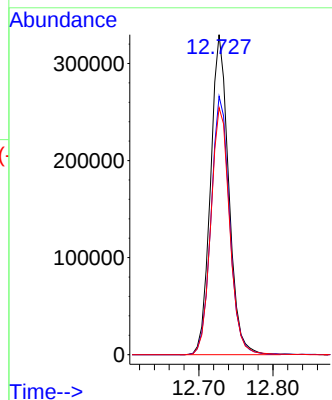
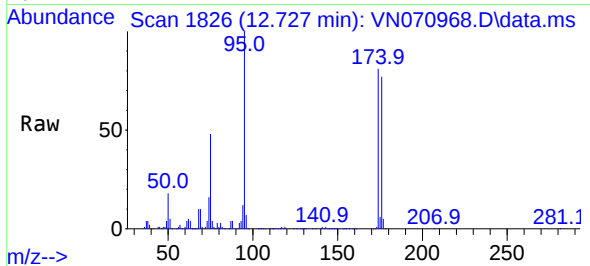




#62
4-Bromofluorobenzene
Concen: 44.143 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN070968.D
Acq: 16 Feb 2022 19:31

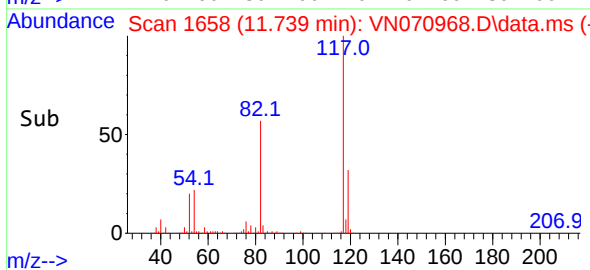
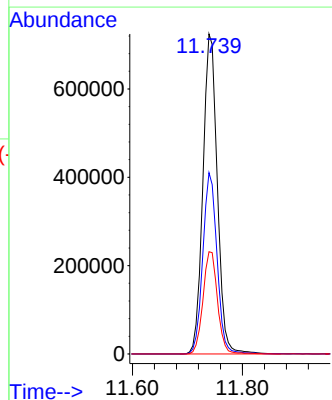
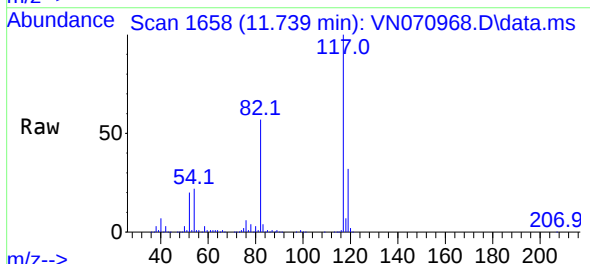
Instrument :
MSVOA_N
ClientSampleId :
MW-25R

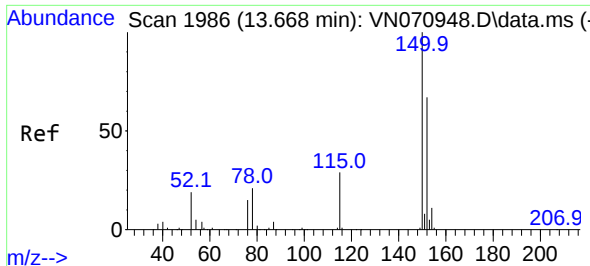
Tgt Ion: 95 Resp: 561630
Ion Ratio Lower Upper
95 100
174 82.1 0.0 187.2
176 79.8 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN070968.D
Acq: 16 Feb 2022 19:31

Tgt Ion: 117 Resp: 1318017
Ion Ratio Lower Upper
117 100
82 56.7 42.4 63.6
119 32.0 25.4 38.2

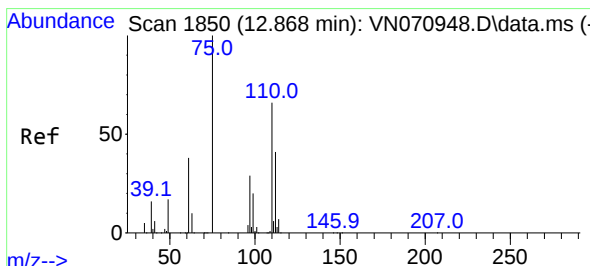
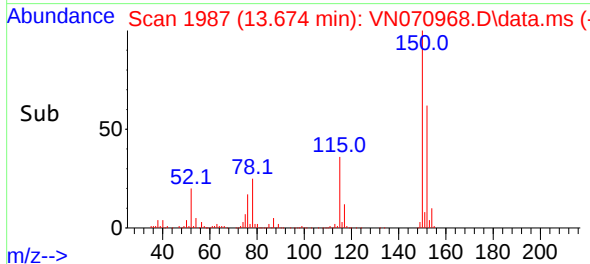
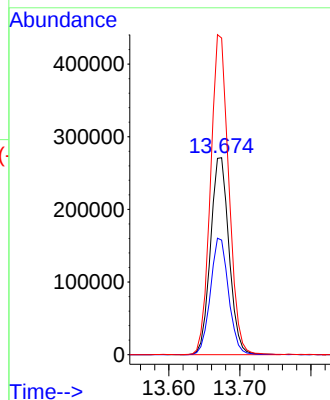
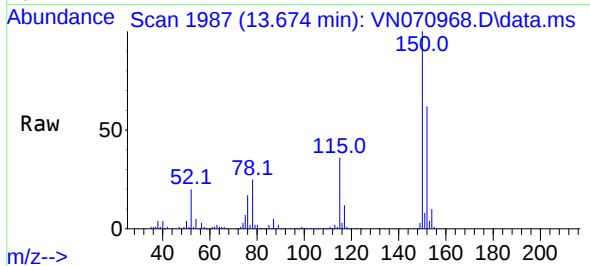




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1986
Delta R.T. 0.006 min
Lab File: VN070968.D
Acq: 16 Feb 2022 19:31

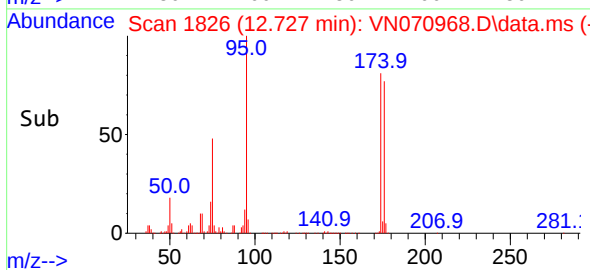
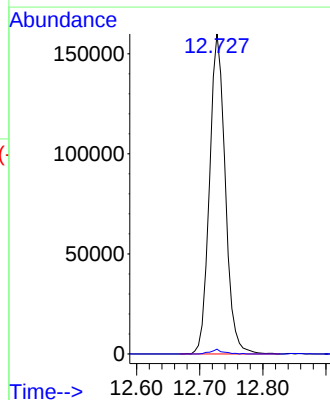
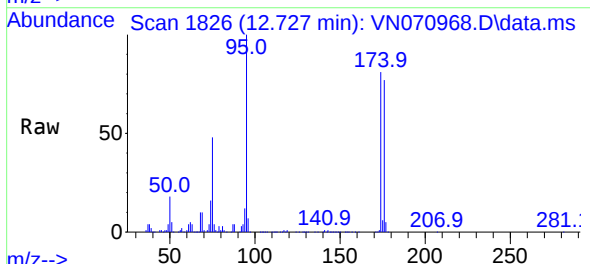
Instrument :
MSVOA_N
ClientSampleId :
MW-25R

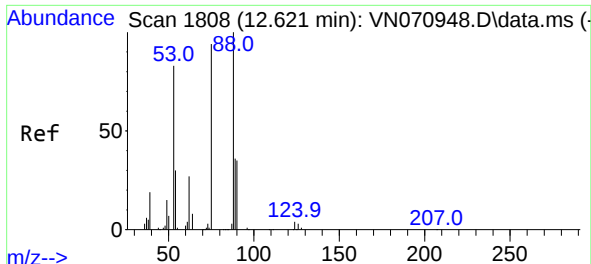
Tgt Ion:152 Resp: 491545
Ion Ratio Lower Upper
152 100
115 58.0 27.5 82.5
150 160.1 0.0 344.4



#76
1,2,3-Trichloropropane
Concen: 23.959 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.141 min
Lab File: VN070968.D
Acq: 16 Feb 2022 19:31

Tgt Ion: 75 Resp: 277289
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#

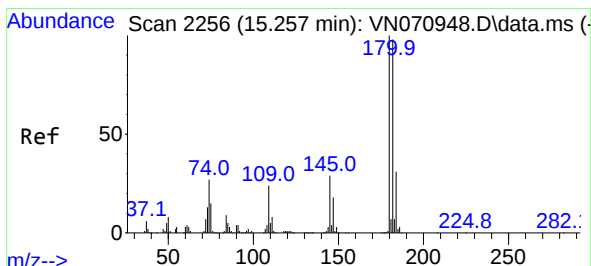
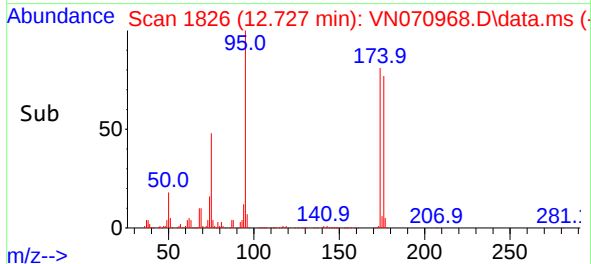
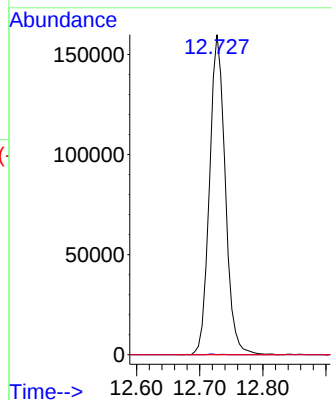
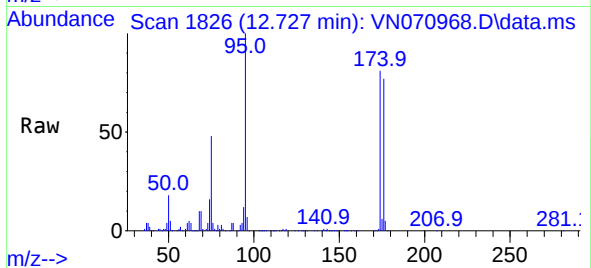




#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.638 ug/l
 RT: 12.727 min Scan# 1826
 Delta R.T. 0.106 min
 Lab File: VN070968.D
 Acq: 16 Feb 2022 19:31

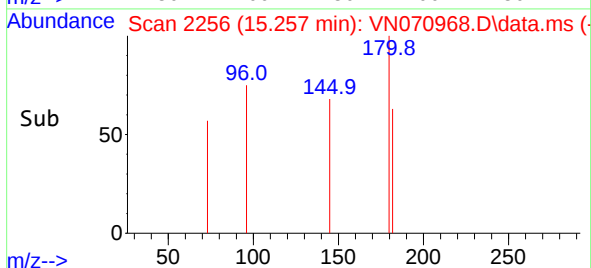
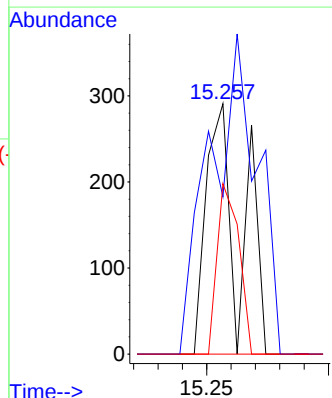
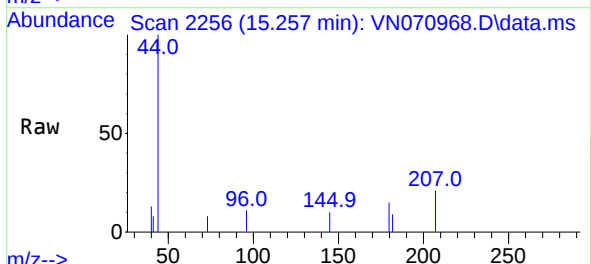
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-25R

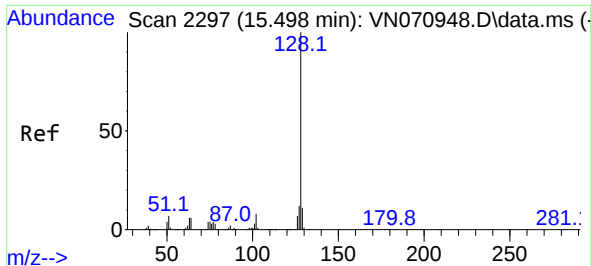
Tgt Ion: 75 Resp: 277289
 Ion Ratio Lower Upper
 75 100
 53 0.1 90.5 135.7#
 89 0.0 38.2 57.4#



#93
 1,2,4-Trichlorobenzene
 Concen: 2.028 ug/l
 RT: 15.257 min Scan# 2256
 Delta R.T. -0.000 min
 Lab File: VN070968.D
 Acq: 16 Feb 2022 19:31

Tgt Ion: 180 Resp: 278
 Ion Ratio Lower Upper
 180 100
 182 179.9 48.3 144.9#
 145 44.2 14.5 43.5#

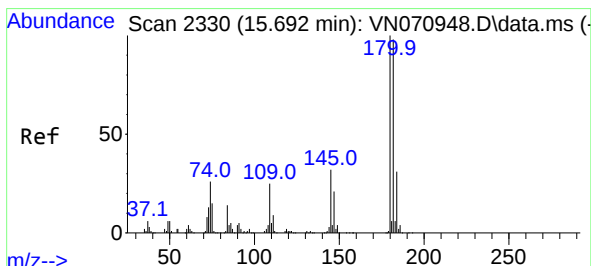
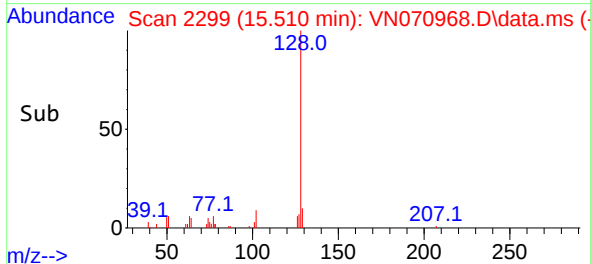
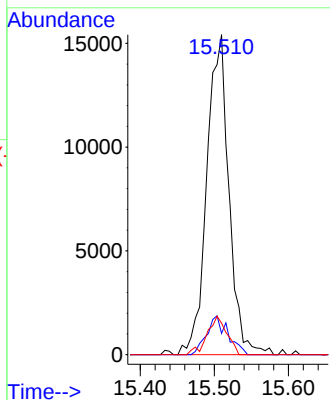
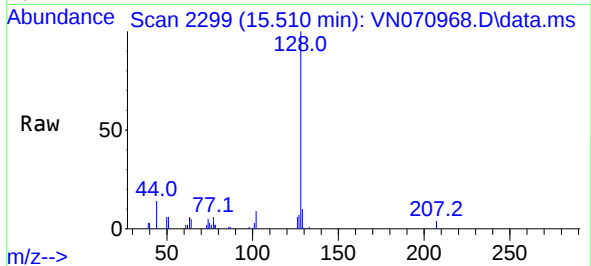




#95
Naphthalene
Concen: 6.300 ug/l
RT: 15.510 min Scan# 2198
Delta R.T. 0.012 min
Lab File: VN070968.D
Acq: 16 Feb 2022 19:31

Instrument :
MSVOA_N
ClientSampleId :
MW-25R

Tgt Ion:	128	Resp:	31988
Ion	Ratio	Lower	Upper
128	100		
127	11.7	10.5	15.7
129	10.7	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 2.553 ug/l
RT: 15.704 min Scan# 2332
Delta R.T. 0.012 min
Lab File: VN070968.D
Acq: 16 Feb 2022 19:31

Tgt Ion:	180	Resp:	324
Ion	Ratio	Lower	Upper
180	100		
182	142.0	47.4	142.2
145	0.0	15.0	45.1#

