

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN040122\
 Data File : VN071760.D
 Acq On : 01 Apr 2022 18:08
 Operator : JC\MD
 Sample : N2090-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-54

Quant Time: Apr 02 00:56:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N033022W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 31 01:57:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	648310	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1106965	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1110085	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	372455	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	369242	49.889	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.780%
35) Dibromofluoromethane	8.022	113	311941	47.889	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.780%
50) Toluene-d8	10.439	98	1384779	51.968	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	103.940%
62) 4-Bromofluorobenzene	12.727	95	435220	50.502	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	101.000%

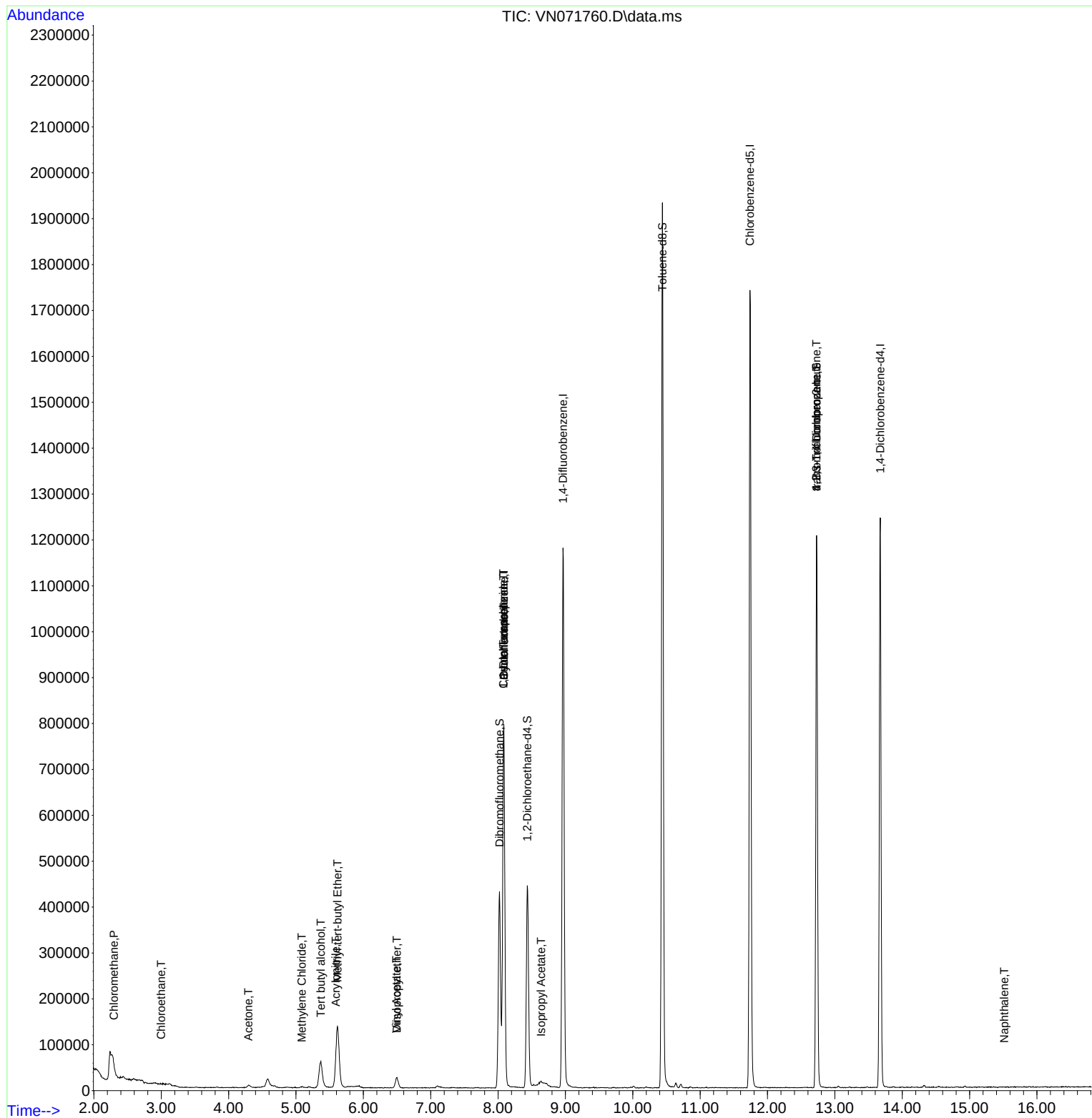
Target Compounds			Qvalue			
3) Chloromethane	2.298	50	3778	0.578	ug/l #	84
6) Chloroethane	2.998	64	1085	0.210	ug/l #	42
11) Tert butyl alcohol	5.369	59	108654	90.463	ug/l #	85
15) Acrylonitrile	5.592	53	905	0.259	ug/l #	28
16) Acetone	4.292	43	7497	2.370	ug/l #	85
18) Methyl Acetate	4.863	43	3692	Below Cal	#	57
19) Methyl tert-butyl Ether	5.616	73	232222	11.681	ug/l	95
20) Methylene Chloride	5.087	84	1352	0.203	ug/l #	67
22) Diisopropyl ether	6.498	45	27126	1.435	ug/l	91
23) Vinyl Acetate	6.492	43	14518	0.966	ug/l #	68
31) Cyclohexane	8.086	56	13721	1.363	ug/l #	1
36) 1,1-Dichloropropene	8.080	75	45505	5.003	ug/l #	48
38) Carbon Tetrachloride	8.080	117	58408	6.552	ug/l #	16
43) Isopropyl Acetate	8.639	43	17328	1.046	ug/l #	58
76) 1,2,3-Trichloropropane	12.727	75	212831	24.667	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	212831	76.442	ug/l #	10
95) Naphthalene	15.515	128	638	3.838	ug/l #	69

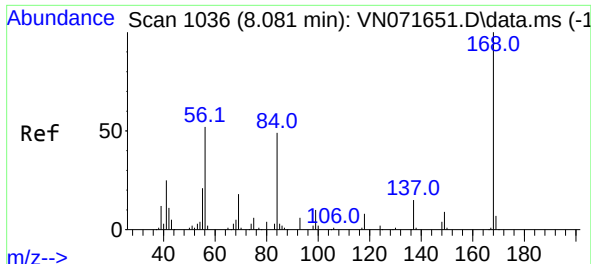
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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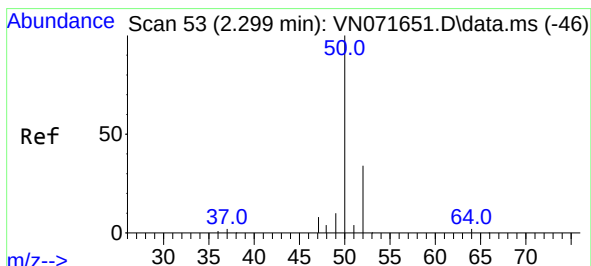
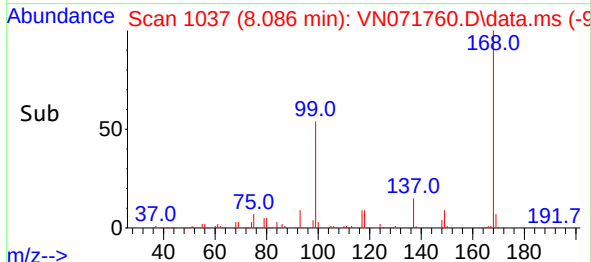
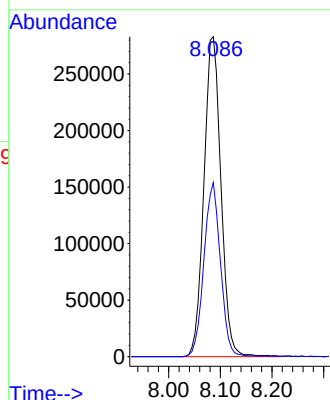
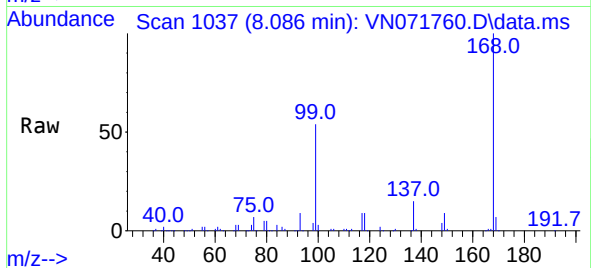




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN071760.D
Acq: 01 Apr 2022 18:08

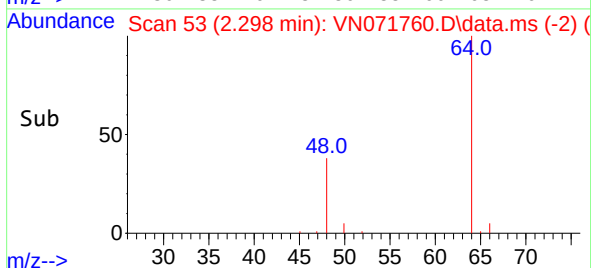
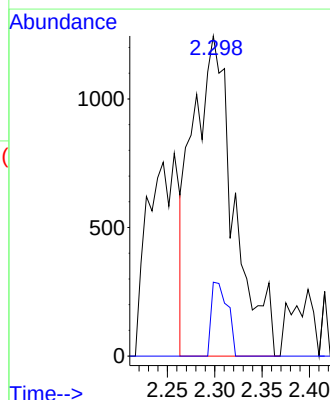
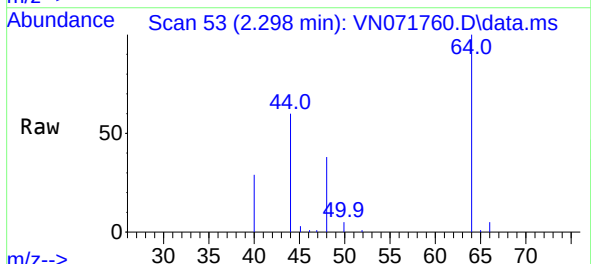
Instrument :
MSVOA_N
ClientSampleId :
MW-54

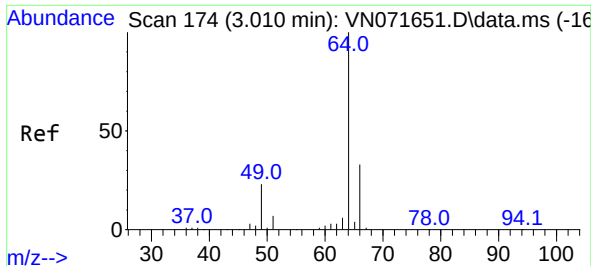
Tgt Ion:168 Resp: 648310
Ion Ratio Lower Upper
168 100
99 54.4 42.3 63.5



#3
Chloromethane
Concen: 0.578 ug/l
RT: 2.298 min Scan# 53
Delta R.T. -0.001 min
Lab File: VN071760.D
Acq: 01 Apr 2022 18:08

Tgt Ion: 50 Resp: 3778
Ion Ratio Lower Upper
50 100
52 23.1 25.7 38.5#

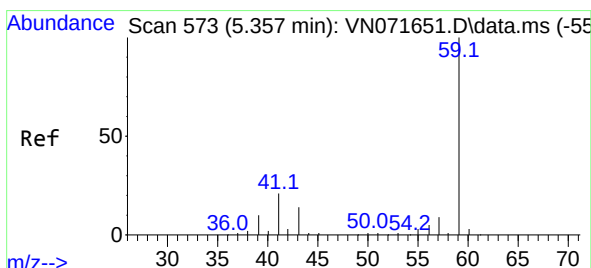
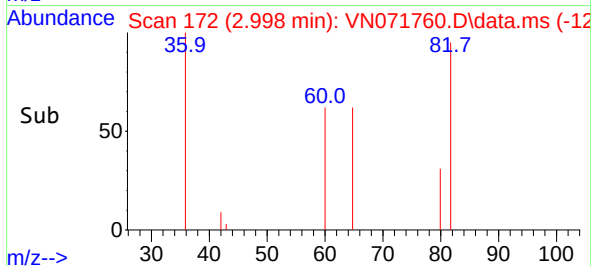
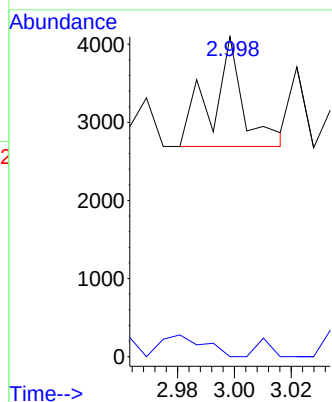
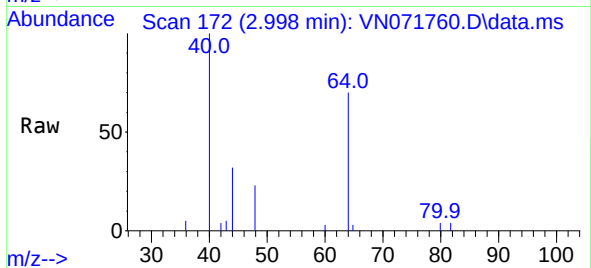




#6
Chloroethane
Concen: 0.210 ug/l
RT: 2.998 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN071760.D
Acq: 01 Apr 2022 18:08

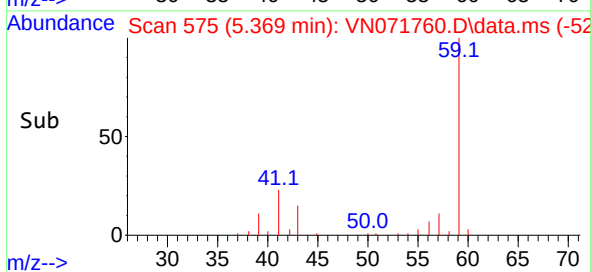
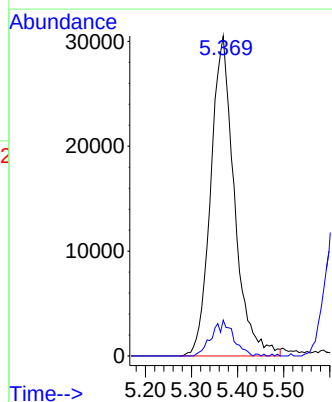
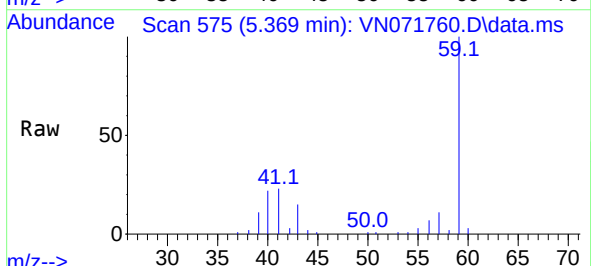
Instrument :
MSVOA_N
ClientSampleId :
MW-54

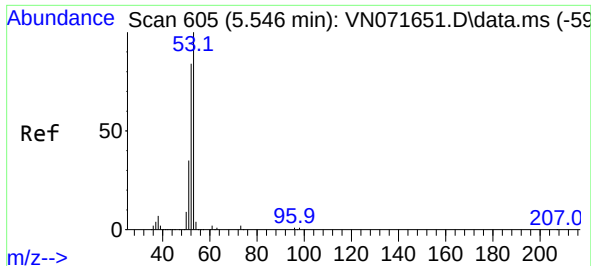
Tgt Ion: 64 Resp: 1085
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 90.463 ug/l
RT: 5.369 min Scan# 575
Delta R.T. 0.012 min
Lab File: VN071760.D
Acq: 01 Apr 2022 18:08

Tgt Ion: 59 Resp: 108654
Ion Ratio Lower Upper
59 100
57 4.8 8.3 12.5#

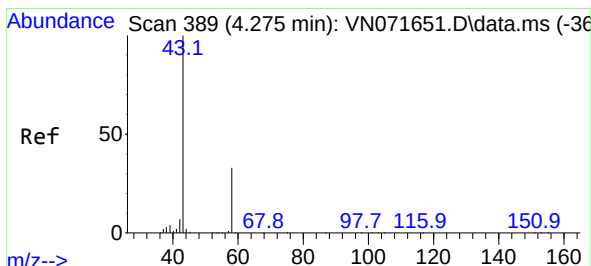
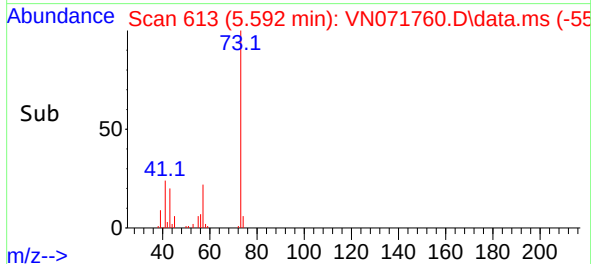
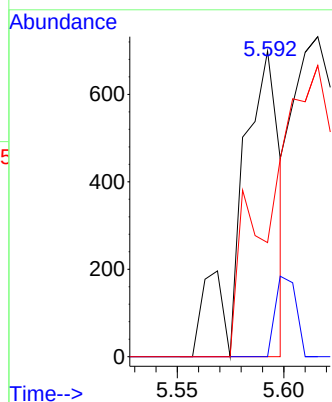
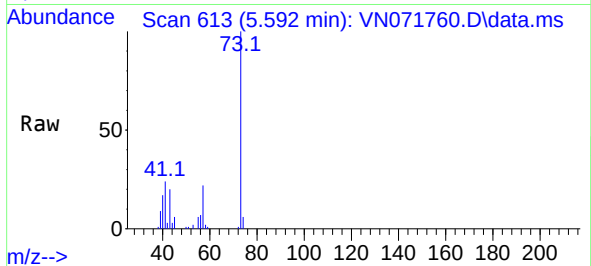




#15
Acrylonitrile
Concen: 0.259 ug/l
RT: 5.592 min Scan# 613
Delta R.T. 0.046 min
Lab File: VN071760.D
Acq: 01 Apr 2022 18:08

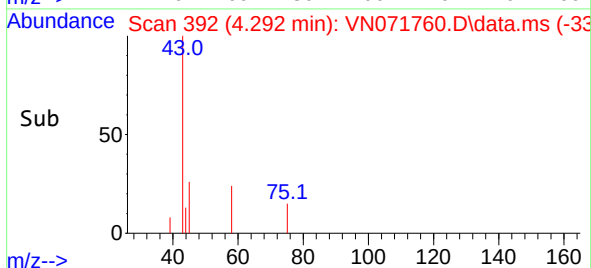
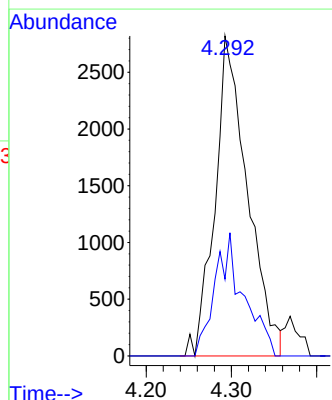
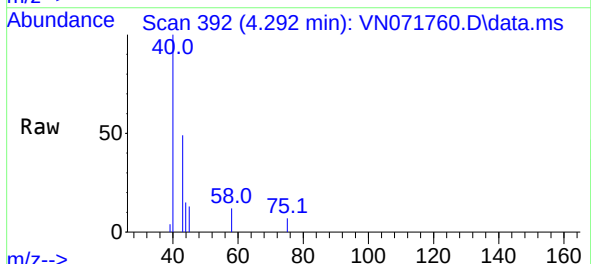
Instrument :
MSVOA_N
ClientSampleId :
MW-54

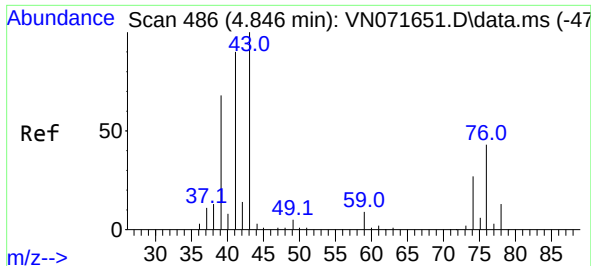
Tgt Ion: 53 Resp: 905
Ion Ratio Lower Upper
53 100
52 13.8 66.4 99.6#
51 0.0 28.5 42.7#



#16
Acetone
Concen: 2.370 ug/l
RT: 4.292 min Scan# 392
Delta R.T. 0.017 min
Lab File: VN071760.D
Acq: 01 Apr 2022 18:08

Tgt Ion: 43 Resp: 7497
Ion Ratio Lower Upper
43 100
58 24.0 26.0 39.0#

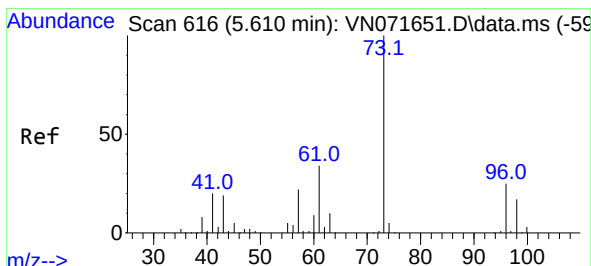
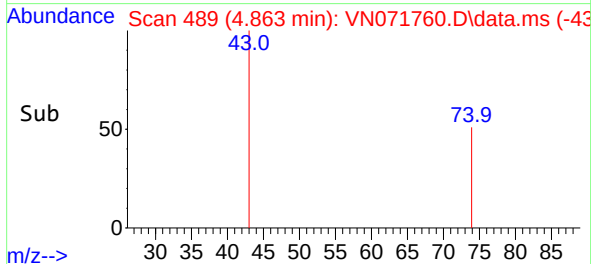
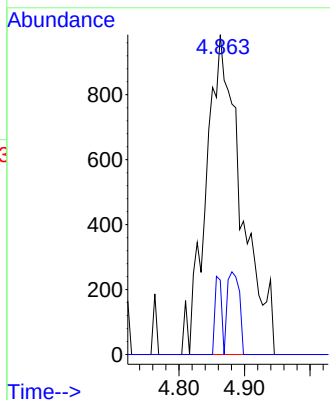
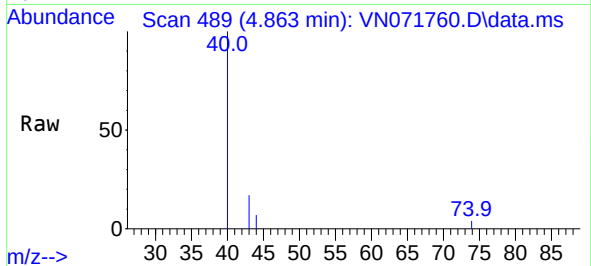




#18
Methyl Acetate
Concen: Below Cal
RT: 4.863 min Scan# 41
Delta R.T. 0.017 min
Lab File: VN071760.D
Acq: 01 Apr 2022 18:08

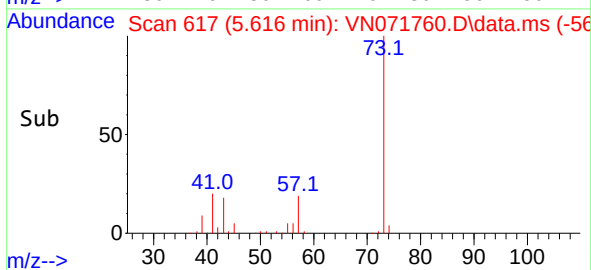
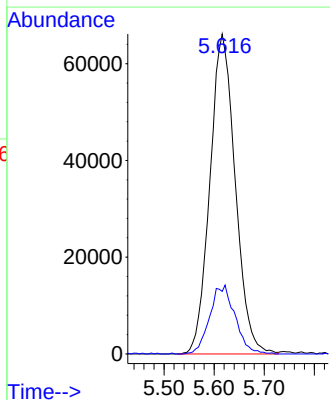
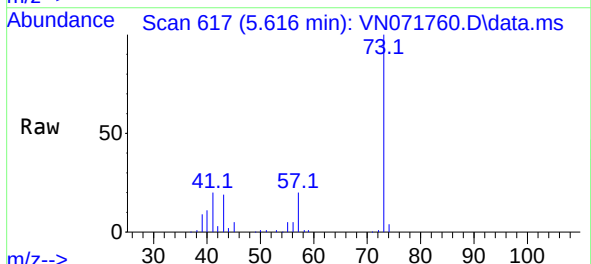
Instrument :
MSVOA_N
ClientSampleId :
MW-54

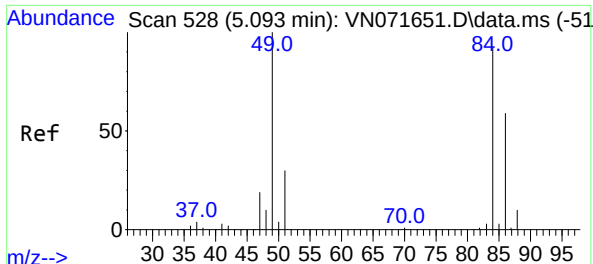
Tgt Ion: 43 Resp: 3692
Ion Ratio Lower Upper
43 100
74 4.5 21.6 32.4#



#19
Methyl tert-butyl Ether
Concen: 11.681 ug/l
RT: 5.616 min Scan# 617
Delta R.T. 0.006 min
Lab File: VN071760.D
Acq: 01 Apr 2022 18:08

Tgt Ion: 73 Resp: 232222
Ion Ratio Lower Upper
73 100
57 19.5 17.6 26.4

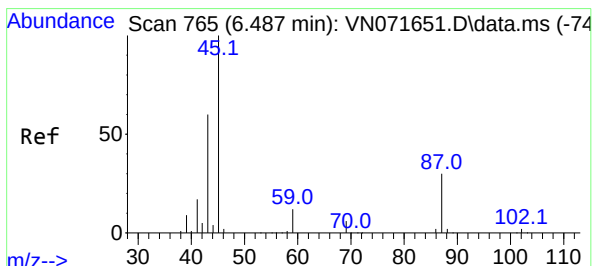
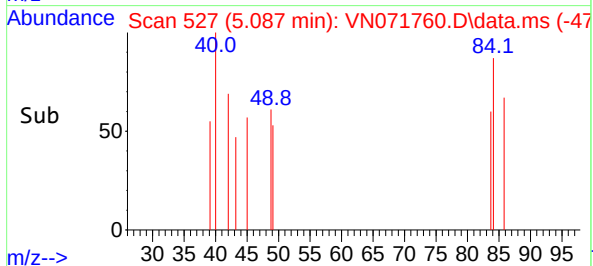
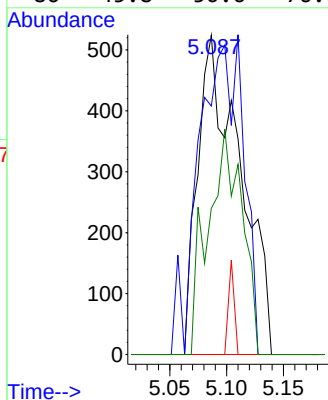
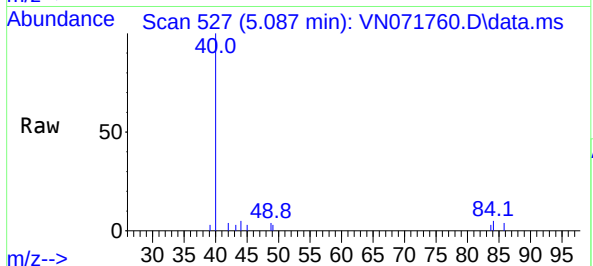




#20
Methylene Chloride
Concen: 0.203 ug/l
RT: 5.087 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN071760.D
Acq: 01 Apr 2022 18:08

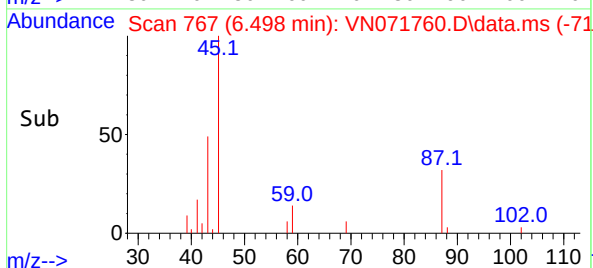
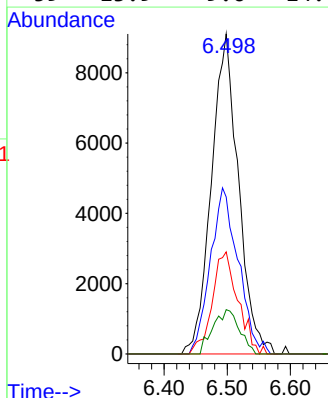
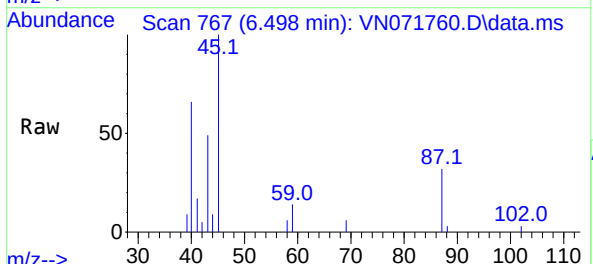
Instrument :
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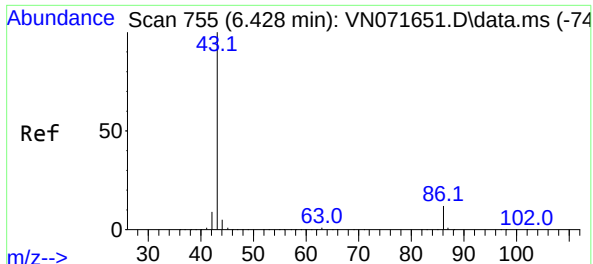
Tgt Ion: 84	Resp:	1352	
Ion	Ratio	Lower	Upper
84	100		
49	77.9	88.3	132.5#
51	0.0	28.2	42.2#
86	45.8	50.6	76.0#



#22
Diisopropyl ether
Concen: 1.435 ug/l
RT: 6.498 min Scan# 767
Delta R.T. 0.011 min
Lab File: VN071760.D
Acq: 01 Apr 2022 18:08

Tgt	Ion: 45	Resp:	27126
Ion	Ratio	Lower	Upper
45	100		
43	49.0	46.6	70.0
87	31.9	24.3	36.5
59	13.9	9.6	14.4

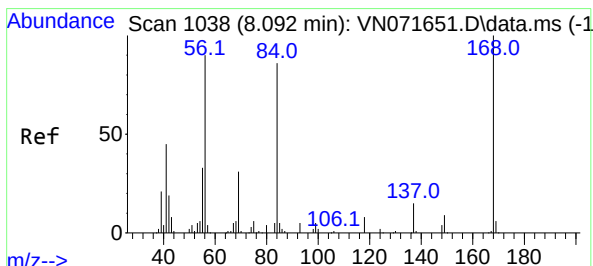
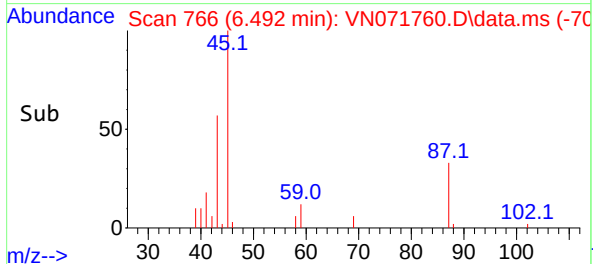
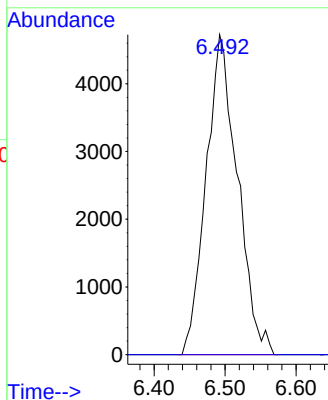
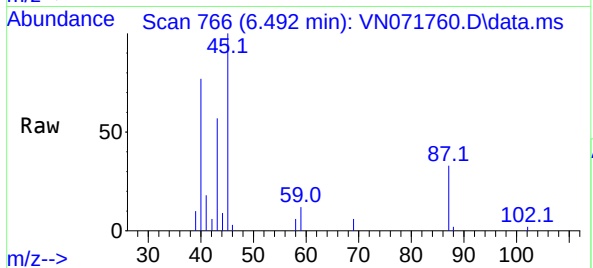




#23
 Vinyl Acetate
 Concen: 0.966 ug/l
 RT: 6.492 min Scan# 7
 Delta R.T. 0.064 min
 Lab File: VN071760.D
 Acq: 01 Apr 2022 18:08

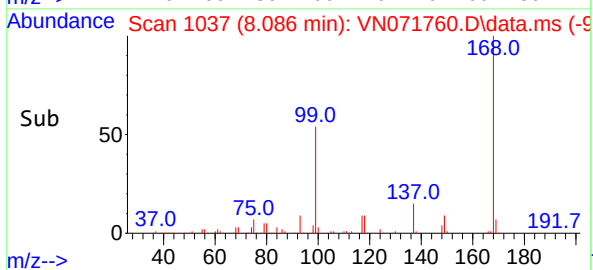
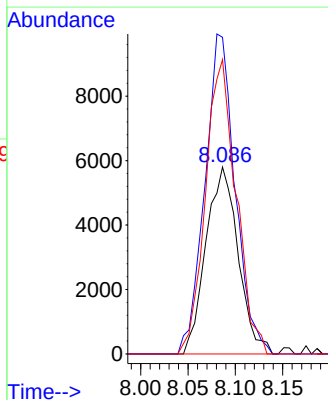
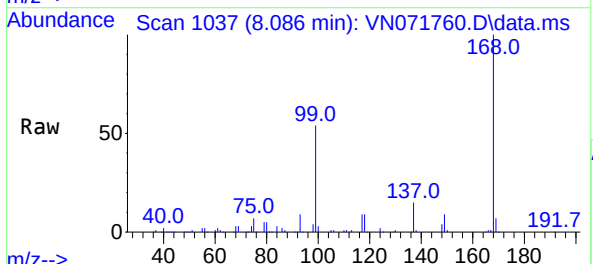
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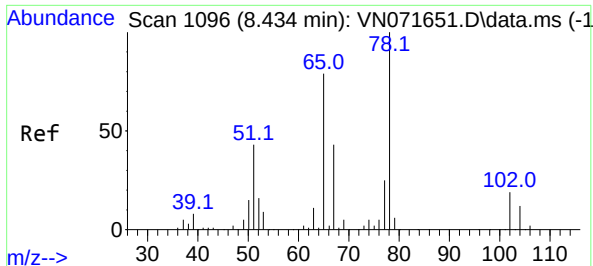
Tgt Ion: 43 Resp: 14518
 Ion Ratio Lower Upper
 43 100
 86 0.0 10.0 15.0#



#31
 Cyclohexane
 Concen: 1.363 ug/l
 RT: 8.086 min Scan# 1037
 Delta R.T. -0.006 min
 Lab File: VN071760.D
 Acq: 01 Apr 2022 18:08

Tgt Ion: 56 Resp: 13721
 Ion Ratio Lower Upper
 56 100
 69 169.4 27.8 41.8#
 84 157.5 76.9 115.3#

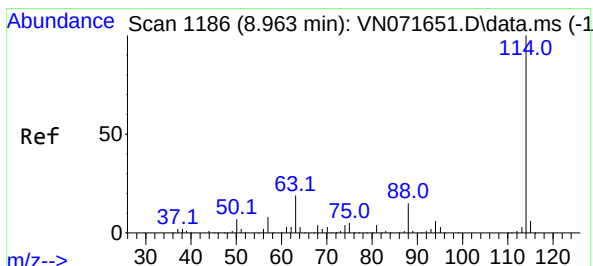
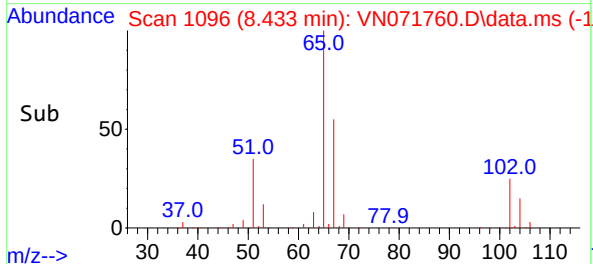
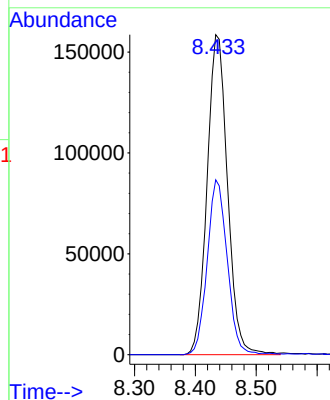
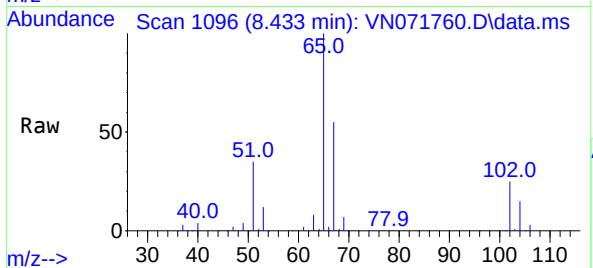




#33
1,2-Dichloroethane-d4
Concen: 49.889 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.001 min
Lab File: VN071760.D
Acq: 01 Apr 2022 18:08

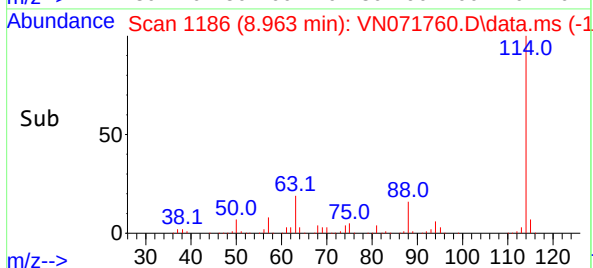
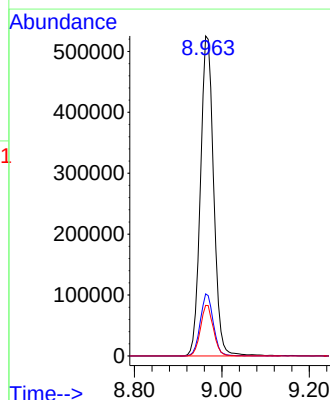
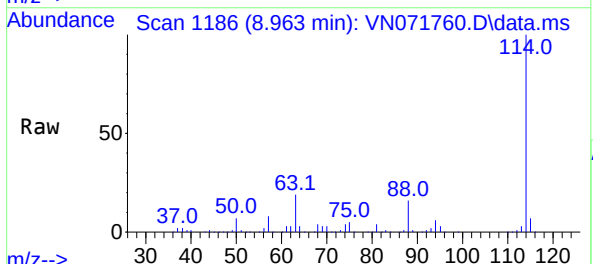
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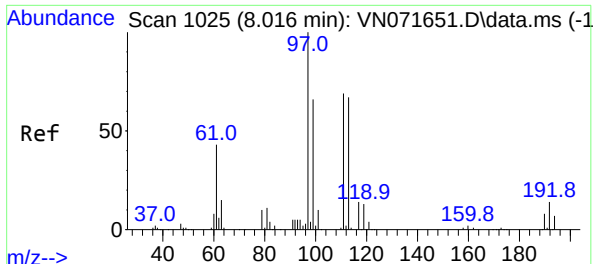
Tgt Ion: 65 Resp: 369242
Ion Ratio Lower Upper
65 100
67 53.7 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071760.D
Acq: 01 Apr 2022 18:08

Tgt Ion: 114 Resp: 1106965
Ion Ratio Lower Upper
114 100
63 19.4 0.0 40.0
88 15.8 0.0 32.6

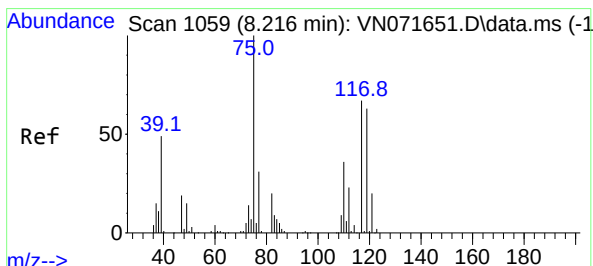
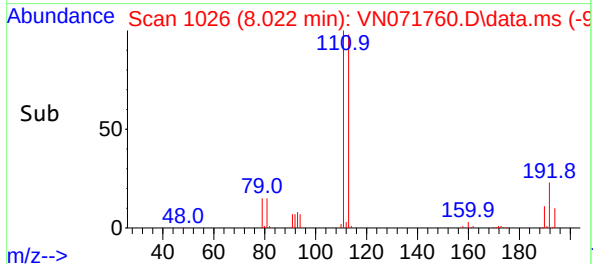
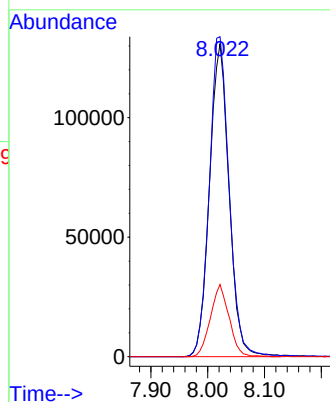
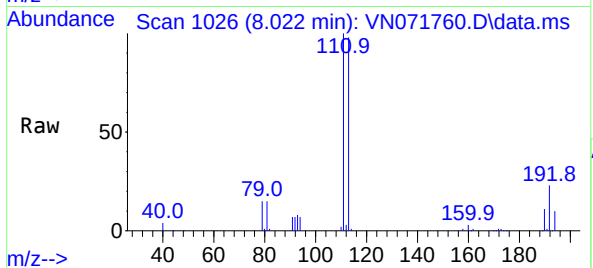




#35
Dibromofluoromethane
Concen: 47.889 ug/l
RT: 8.022 min Scan# 1026
Delta R.T. 0.006 min
Lab File: VN071760.D
Acq: 01 Apr 2022 18:08

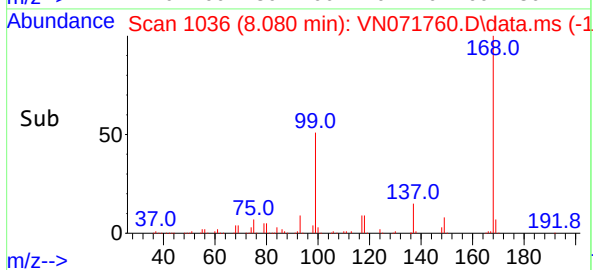
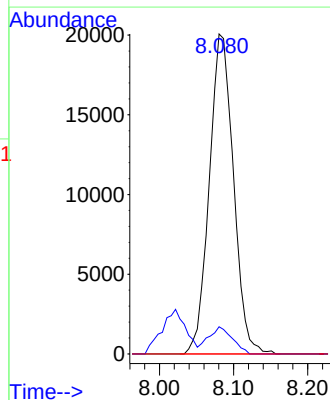
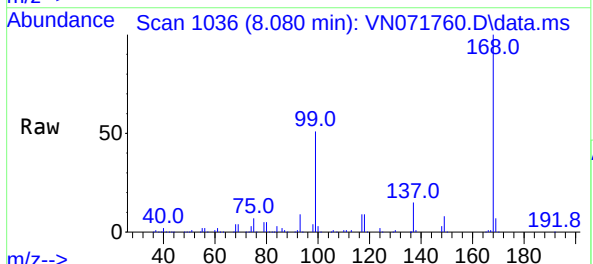
Instrument :
MSVOA_N
ClientSampleId :
MW-54

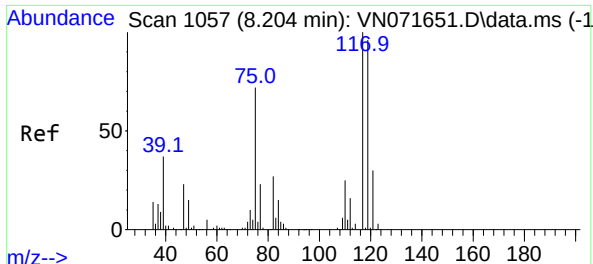
Tgt Ion:113 Resp: 311941
Ion Ratio Lower Upper
113 100
111 103.9 81.4 122.0
192 22.1 17.0 25.6



#36
1,1-Dichloropropene
Concen: 5.003 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.136 min
Lab File: VN071760.D
Acq: 01 Apr 2022 18:08

Tgt Ion: 75 Resp: 45505
Ion Ratio Lower Upper
75 100
110 8.5 18.3 54.8#
77 0.0 25.1 37.7#

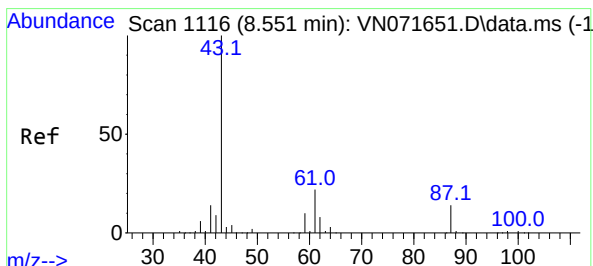
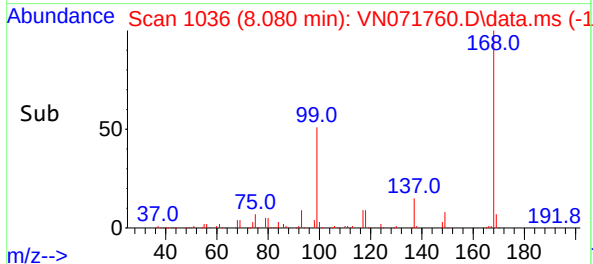
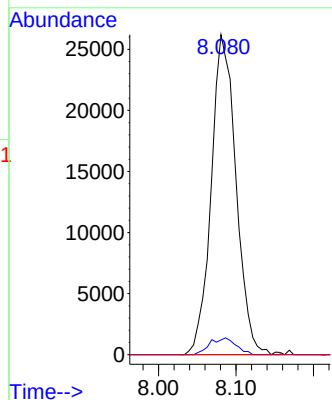
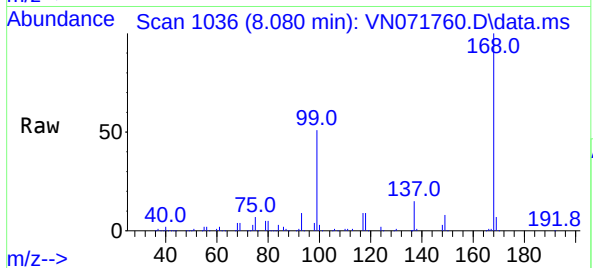




#38
Carbon Tetrachloride
Concen: 6.552 ug/l
RT: 8.080 min Scan# 110
Delta R.T. -0.124 min
Lab File: VN071760.D
Acq: 01 Apr 2022 18:08

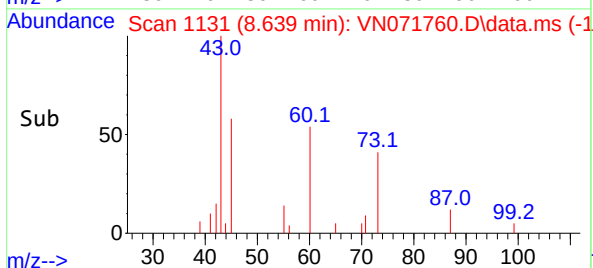
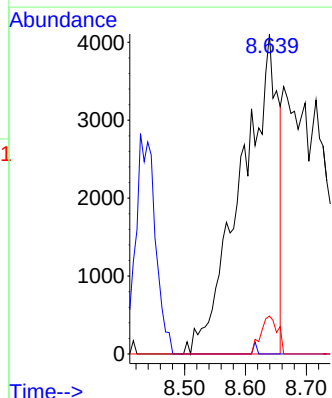
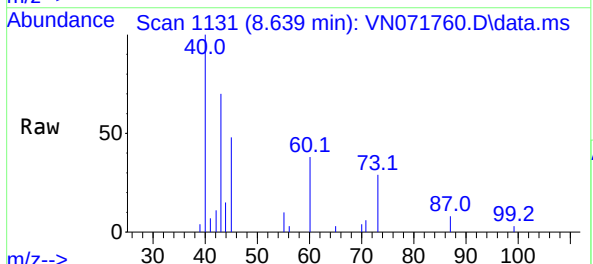
Instrument :
MSVOA_N
ClientSampleId :
MW-54

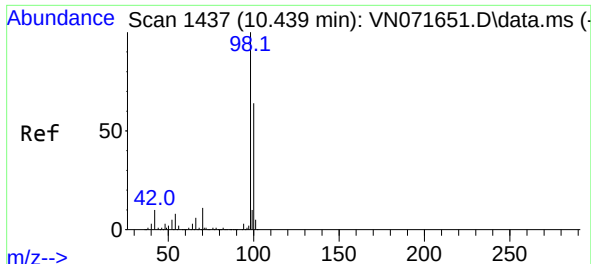
Tgt Ion:117 Resp: 58408
Ion Ratio Lower Upper
117 100
119 4.6 75.8 113.8#
121 0.0 24.6 37.0#



#43
Isopropyl Acetate
Concen: 1.046 ug/l
RT: 8.639 min Scan# 1131
Delta R.T. 0.088 min
Lab File: VN071760.D
Acq: 01 Apr 2022 18:08

Tgt Ion: 43 Resp: 17328
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 5.4 12.0 18.0#

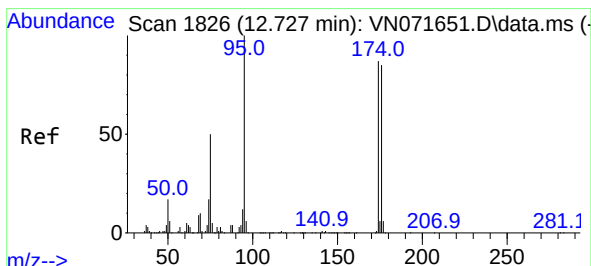
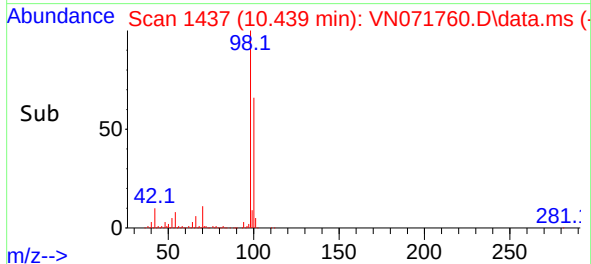
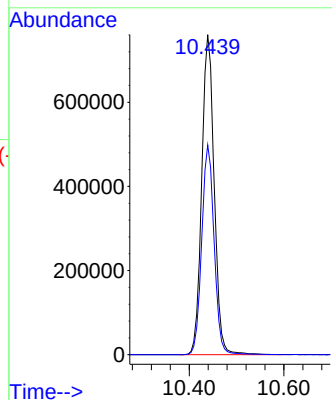
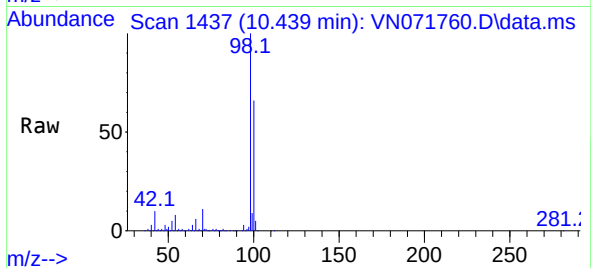




#50
Toluene-d8
Concen: 51.968 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN071760.D
Acq: 01 Apr 2022 18:08

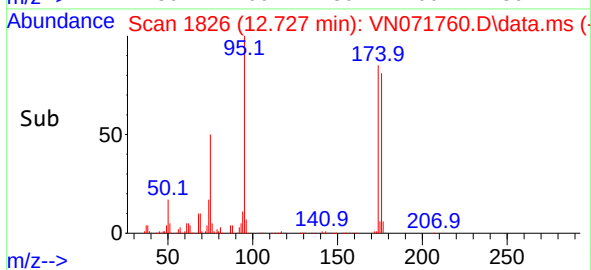
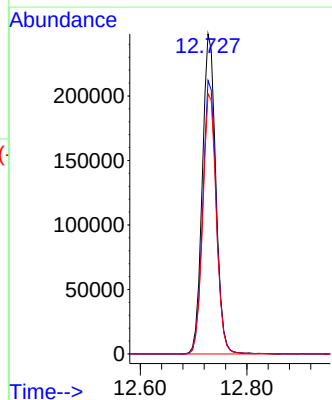
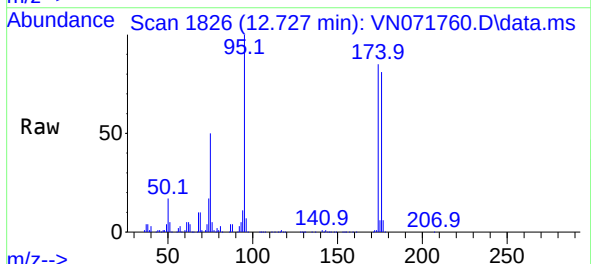
Instrument :
MSVOA_N
ClientSampleId :
MW-54

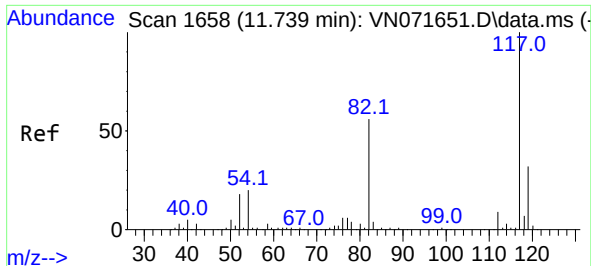
Tgt Ion: 98 Resp: 1384779
Ion Ratio Lower Upper
98 100
100 65.3 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 50.502 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071760.D
Acq: 01 Apr 2022 18:08

Tgt Ion: 95 Resp: 435220
Ion Ratio Lower Upper
95 100
174 85.5 0.0 167.6
176 81.5 0.0 163.4

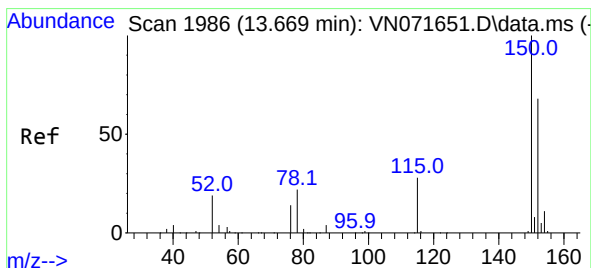
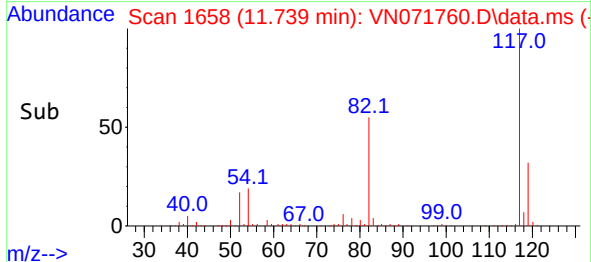
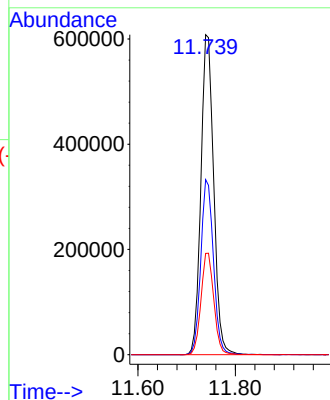
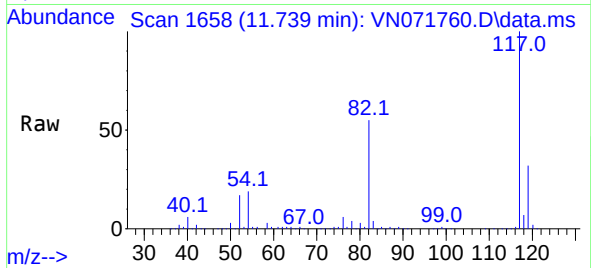




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN071760.D
Acq: 01 Apr 2022 18:08

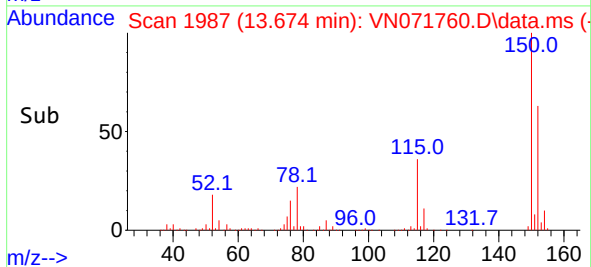
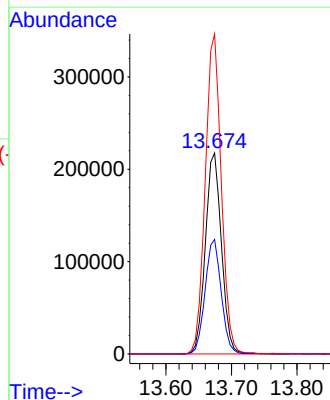
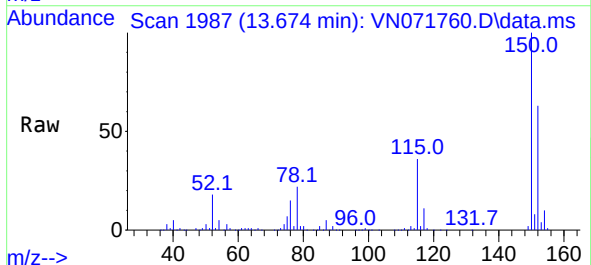
Instrument :
MSVOA_N
ClientSampleId :
MW-54

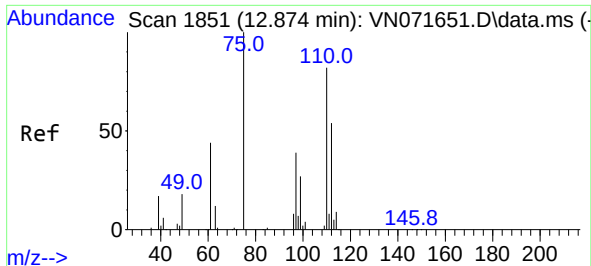
Tgt Ion:117 Resp: 1110085
Ion Ratio Lower Upper
117 100
82 54.7 44.2 66.2
119 31.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.005 min
Lab File: VN071760.D
Acq: 01 Apr 2022 18:08

Tgt Ion:152 Resp: 372455
Ion Ratio Lower Upper
152 100
115 57.2 28.9 86.7
150 158.5 0.0 356.2

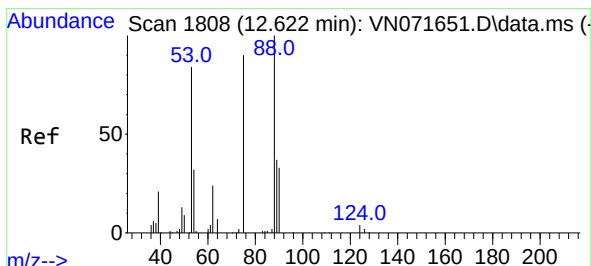
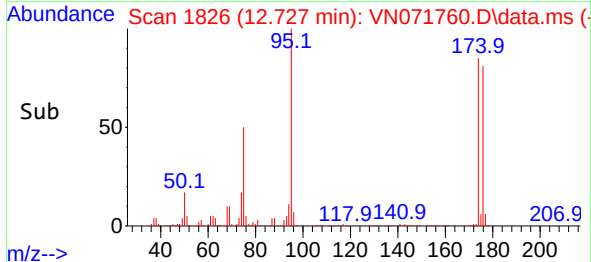
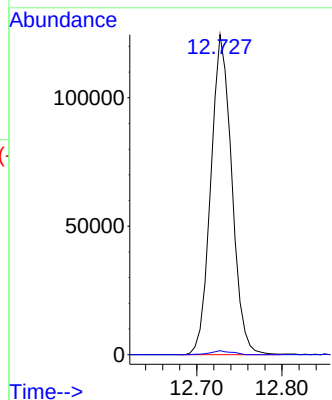
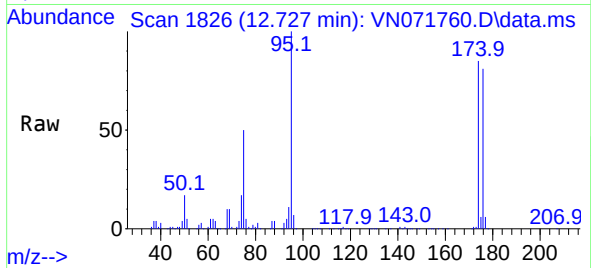




#76
1,2,3-Trichloropropane
Concen: 24.667 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071760.D
Acq: 01 Apr 2022 18:08

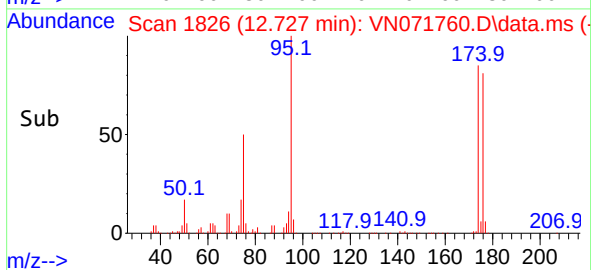
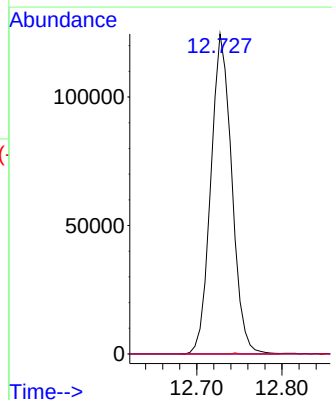
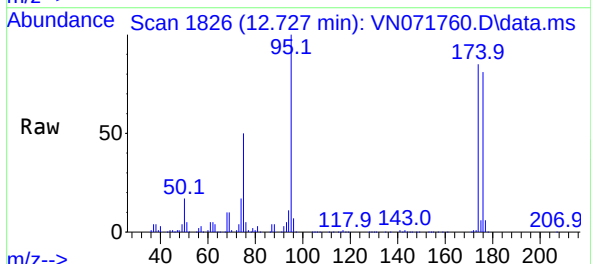
Instrument :
MSVOA_N
ClientSampleId :
MW-54

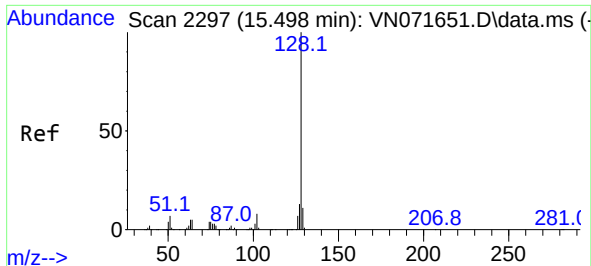
Tgt Ion: 75 Resp: 212831
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.442 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.105 min
Lab File: VN071760.D
Acq: 01 Apr 2022 18:08

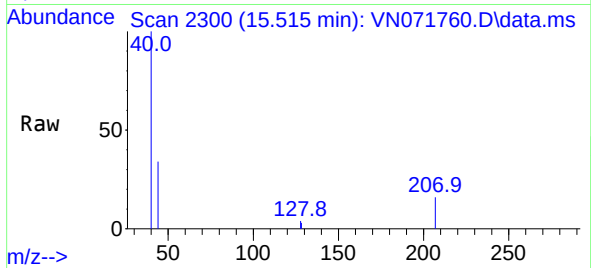
Tgt Ion: 75 Resp: 212831
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.1 37.2 55.8#





#95
Naphthalene
Concen: 3.838 ug/l
RT: 15.515 min Scan# 21
Delta R.T. 0.017 min
Lab File: VN071760.D
Acq: 01 Apr 2022 18:08

Instrument :
MSVOA_N
ClientSampleId :
MW-54



Tgt Ion:	128	Resp:	638
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.6	13.0#

