

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060619\
 Data File : VN056021.D
 Acq On : 5 Jun 2019 22:13
 Operator : JC/SP
 Sample : VN0606WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0606WBL01

Quant Time: Jun 06 04:11:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jun 06 04:02:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	55154	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	290968	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	234562	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	103618	30.25	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.83%
60) 4-Bromofluorobenzene	12.40	95	81969	23.58	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	78.60%
63) Toluene-d8	10.09	98	334391	31.43	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	104.77%

Target Compounds

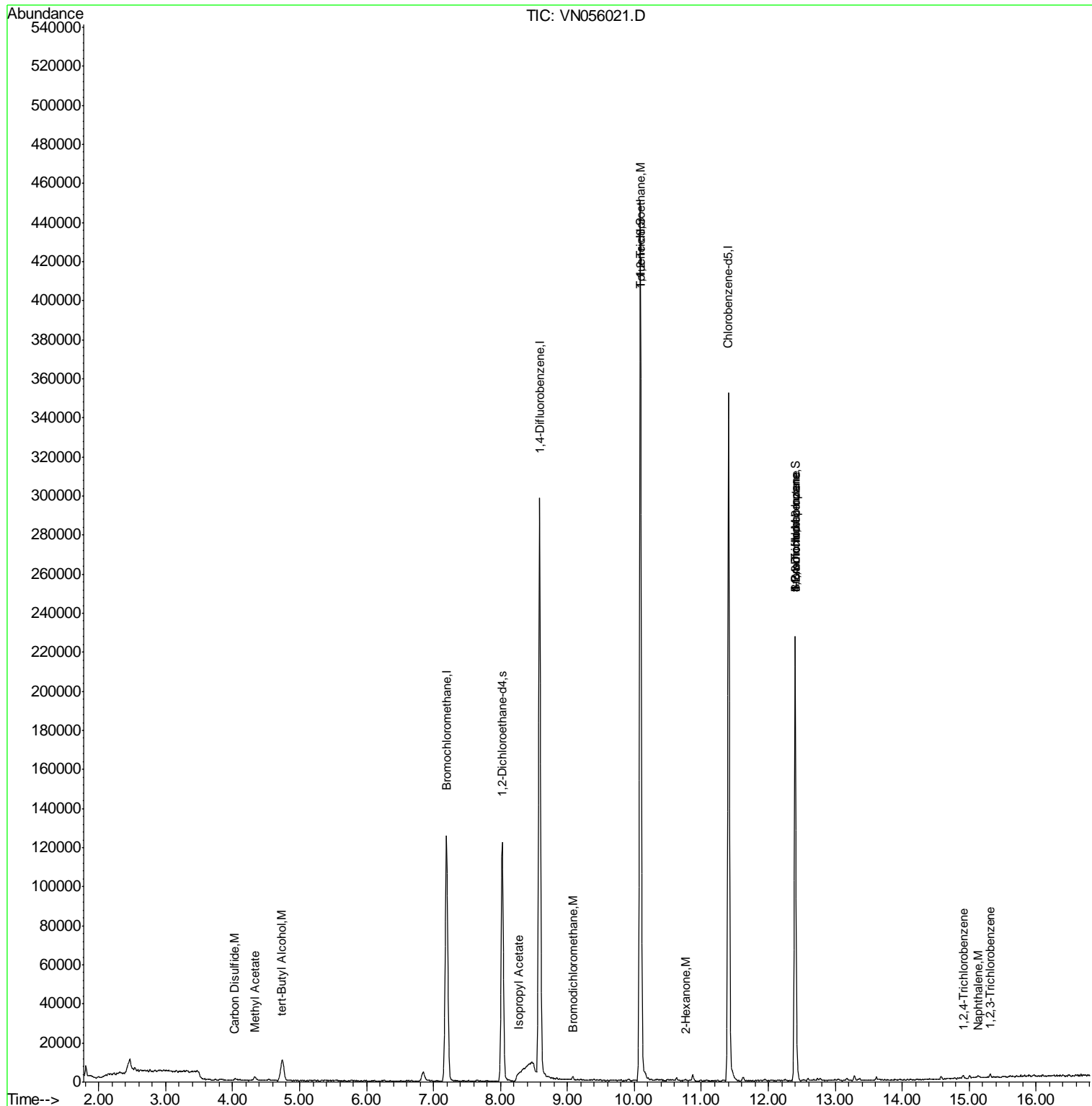
					Ovalue	
12) Methyl Acetate	4.33	43	3575	1.033	ug/l	93
16) Carbon Disulfide	4.04	76	1628	0.238	ug/l #	75
23) tert-Butyl Alcohol	4.74	59	10277	17.113	ug/l #	100
41) Bromodichloromethane	9.08	83	919	0.241	ug/l #	25
44) Isopropyl Acetate	8.27	43	2637	0.428	ug/l #	55
50) 1,1,2-Trichloroethane	10.10	97	9882	3.124	ug/l #	1
56) Bromoform	12.40	173	456	0.204	ug/l #	1
59) 2-Hexanone	10.76	43	846	0.333	ug/l #	52
72) 1,2,3-Trichloropropane	12.40	75	36842	10.690	ug/l	1
77) t-1,4-Dichloro-2-butene	12.40	75	36842	37.465	ug/l #	11
89) 1,2,4-Trichlorobenzene	14.91	180	791	8.753	ug/l #	73
91) Naphthalene	15.14	128	1722	0.234	ug/l #	69
92) 1,2,3-Trichlorobenzene	15.31	180	1073	0.369	ug/l #	86

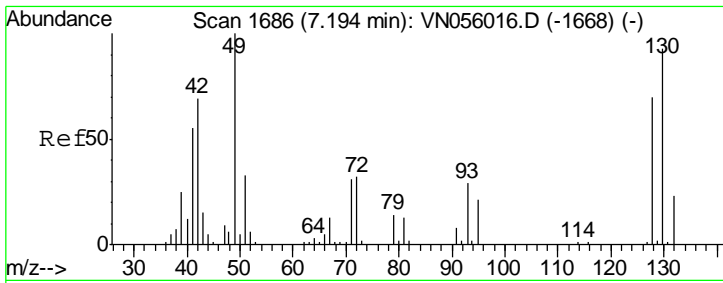
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 Client Sampled :
 VN0606WBL01

Quant Time: Jun 06 04:11:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N060619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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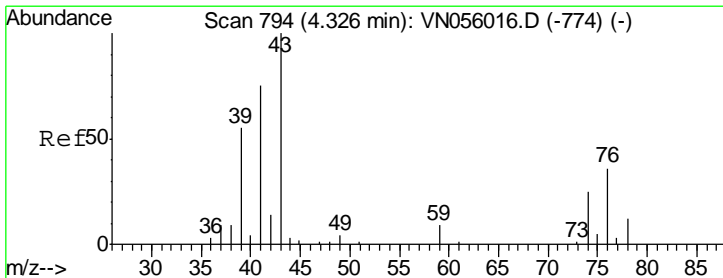
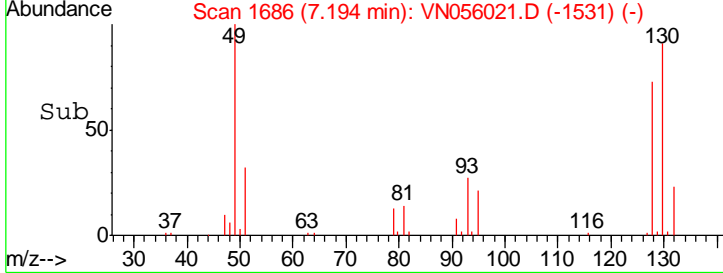
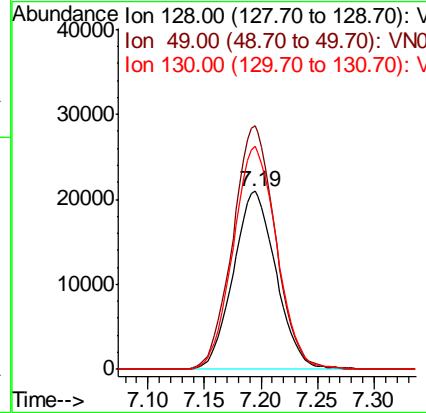
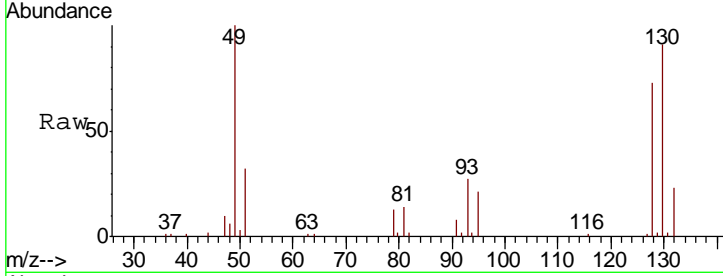




#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN056021.D
 Acq: 5 Jun 2019 22:13

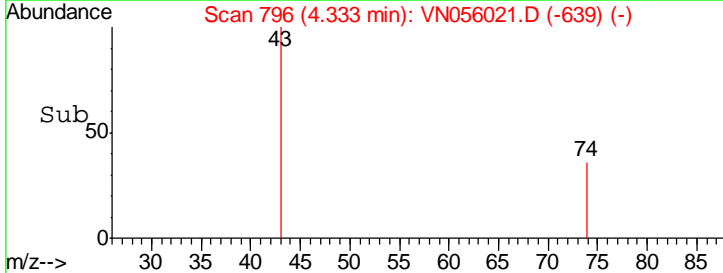
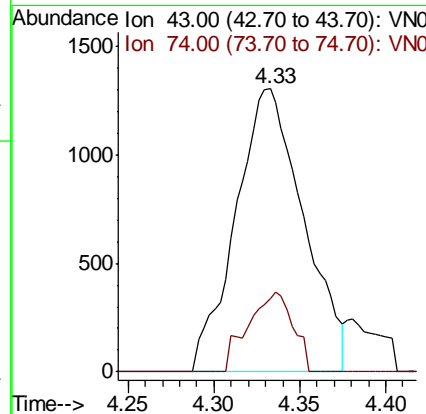
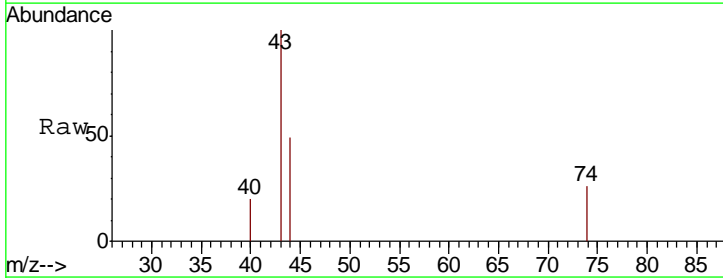
Instrument :
 MSVOA_N
 ClientSampled :
 VN0606WBL01

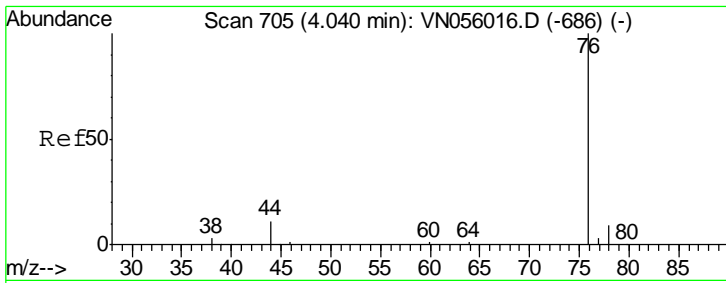
Tgt Ion	Resp	Lower	Upper
128	55154		
49	135.9	0.0	355.8
130	127.5	0.0	326.3



#12
 Methyl Acetate
 Concen: 1.033 ug/l
 RT: 4.33 min Scan# 796
 Delta R.T. 0.01 min
 Lab File: VN056021.D
 Acq: 5 Jun 2019 22:13

Tgt Ion	Resp	Lower	Upper
43	3575		
74	28.4	19.9	29.9

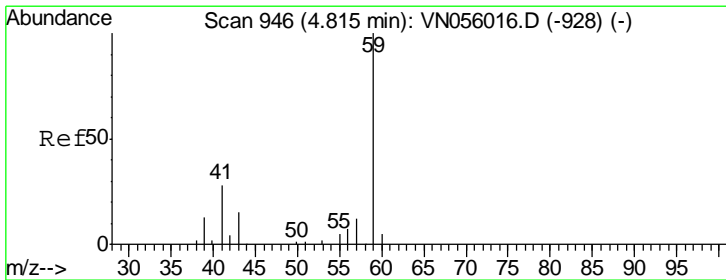
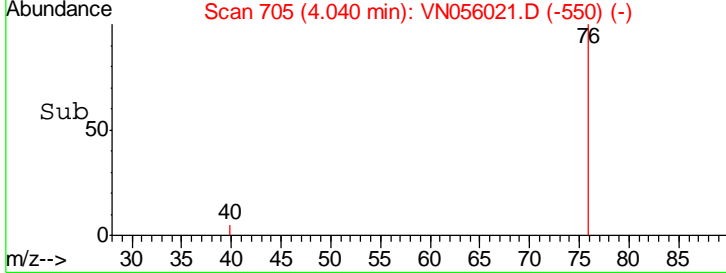
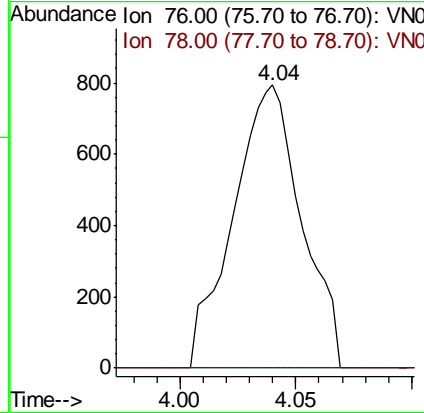
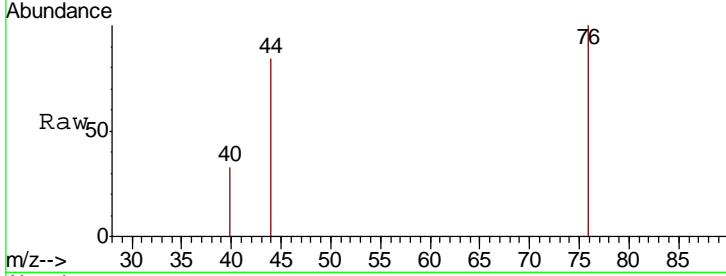




#16
 Carbon Disulfide
 Concen: 0.238 ug/l
 RT: 4.04 min Scan# 705
 Delta R.T. -0.00 min
 Lab File: VN056021.D
 Acq: 5 Jun 2019 22:13

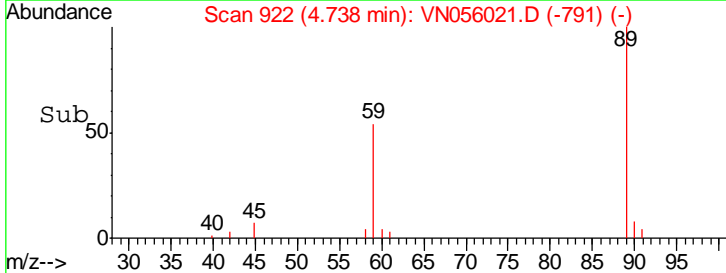
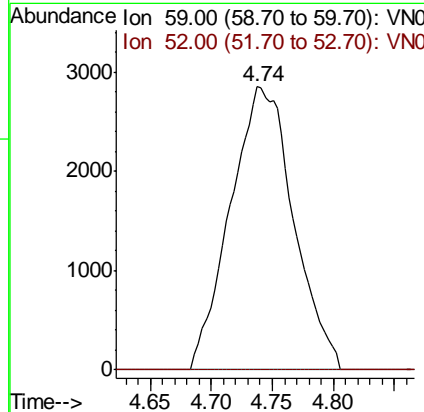
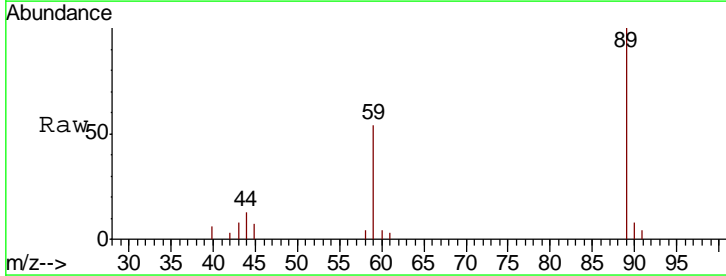
Instrument : MSVOA_N
 ClientSampled : VN0606WBL01

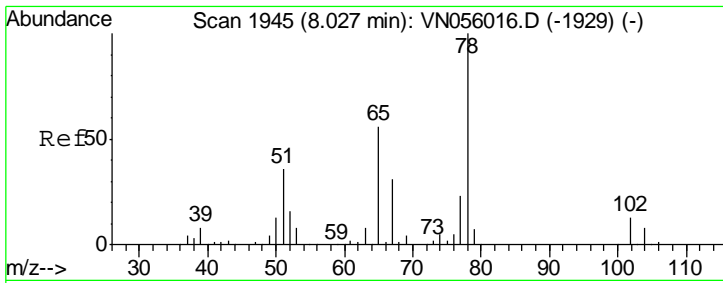
Tgt Ion	Resp	Lower	Upper
76	1628		
78	0.0	7.3	10.9#



#23
 tert-Butyl Alcohol
 Concen: 17.113 ug/l
 RT: 4.74 min Scan# 922
 Delta R.T. -0.08 min
 Lab File: VN056021.D
 Acq: 5 Jun 2019 22:13

Tgt Ion	Resp	Lower	Upper
59	10277		
52	0.0	0.0	0.0

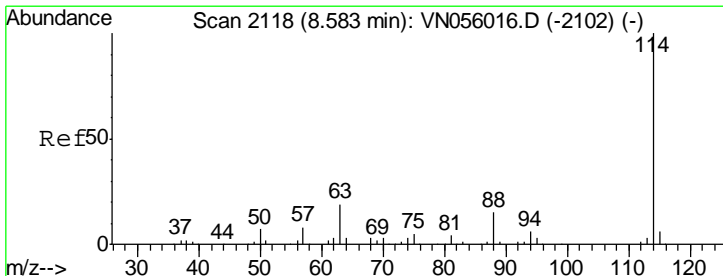
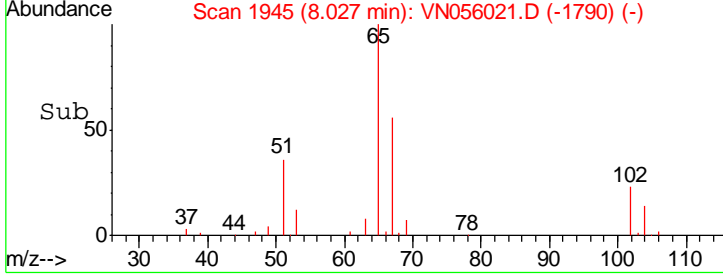
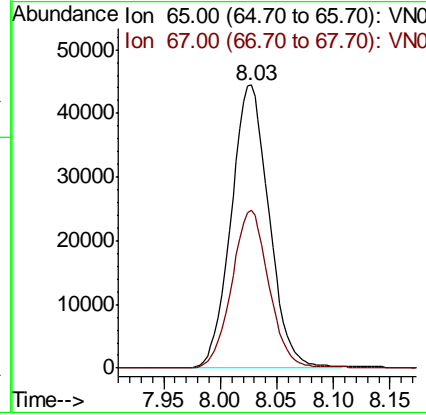
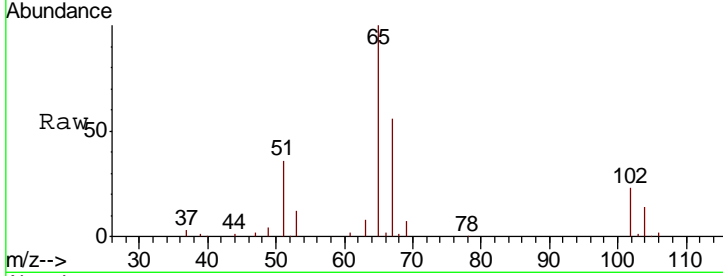




#27
 1,2-Dichloroethane-d4
 Concen: 30.253 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN056021.D
 Acq: 5 Jun 2019 22:13

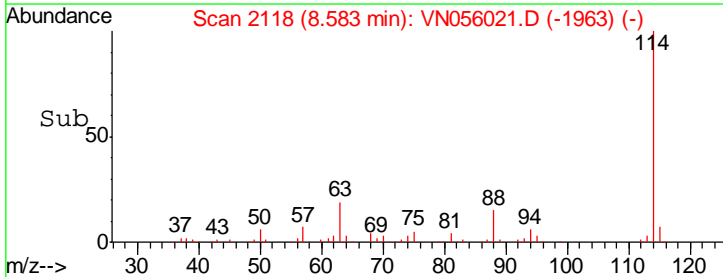
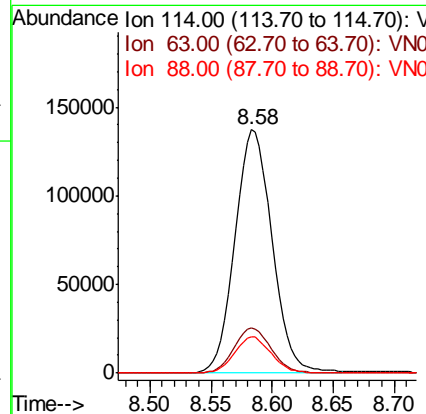
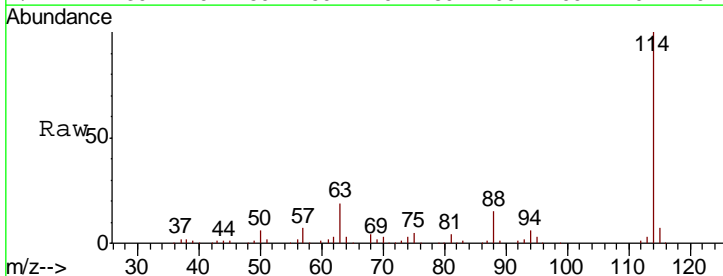
Instrument :
 MSVOA_N
 ClientSampled :
 VN0606WBL01

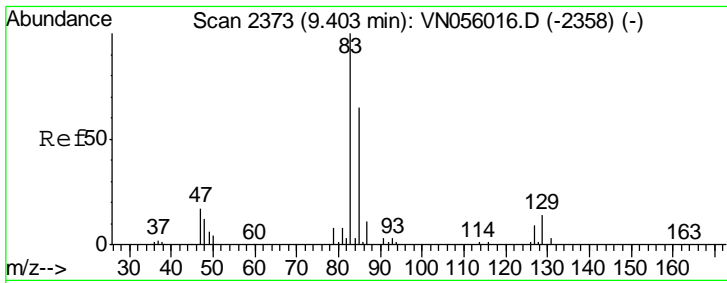
Tgt Ion	Resp	Lower	Upper
65	103618		
67	54.4	43.4	65.2



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056021.D
 Acq: 5 Jun 2019 22:13

Tgt Ion	Resp	Lower	Upper
114	290968		
63	18.5	14.7	22.1
88	14.8	11.9	17.9

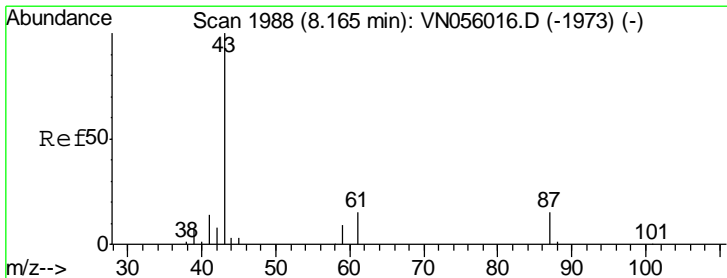
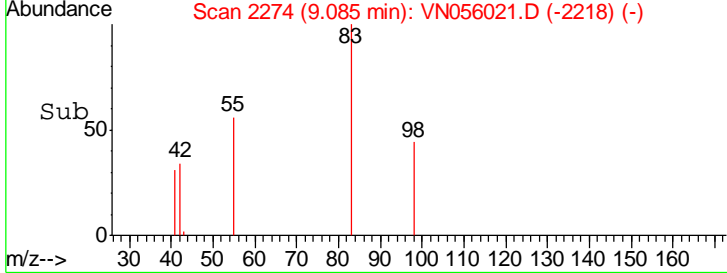
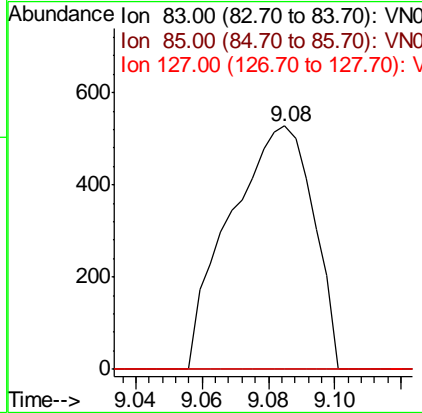
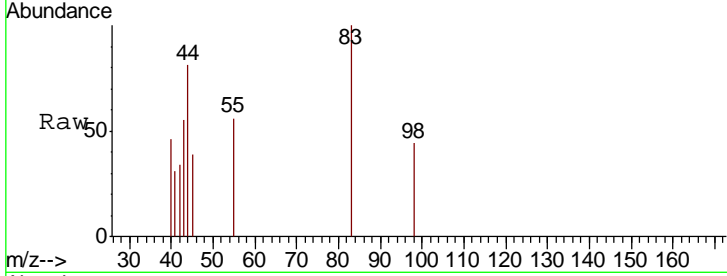




#41
 Bromodichloromethane
 Concen: 0.241 ug/l
 RT: 9.08 min Scan# 2274
 Delta R.T. -0.32 min
 Lab File: VN056021.D
 Acq: 5 Jun 2019 22:13

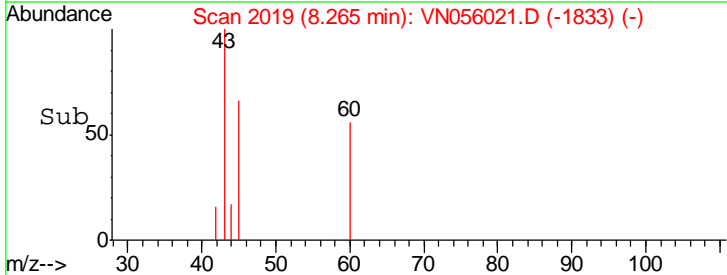
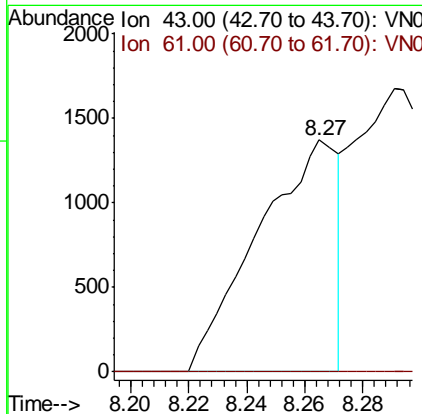
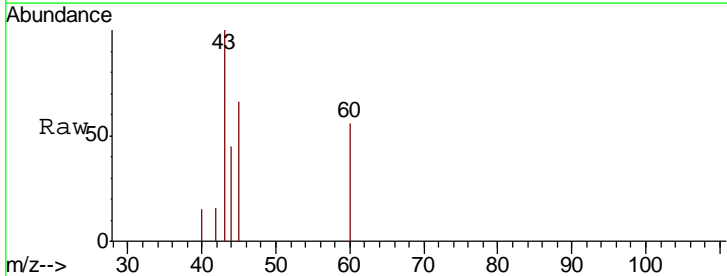
Instrument :
 MSVOA_N
 ClientSampled :
 VN0606WBL01

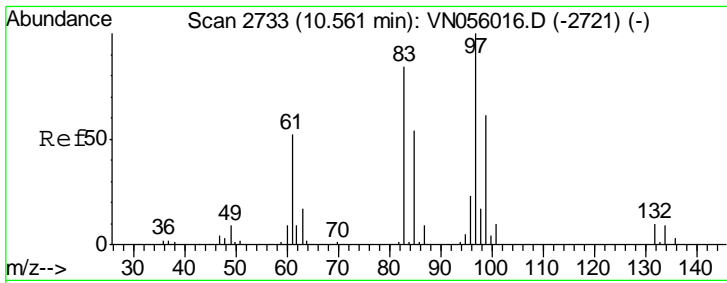
Tgt Ion	Resp	Lower	Upper
83	100		
85	0.0	51.8	77.6#
127	0.0	7.3	10.9#



#44
 Isopropyl Acetate
 Concen: 0.428 ug/l
 RT: 8.27 min Scan# 2019
 Delta R.T. 0.10 min
 Lab File: VN056021.D
 Acq: 5 Jun 2019 22:13

Tgt Ion	Resp	Lower	Upper
43	100		
61	0.0	16.9	25.3#

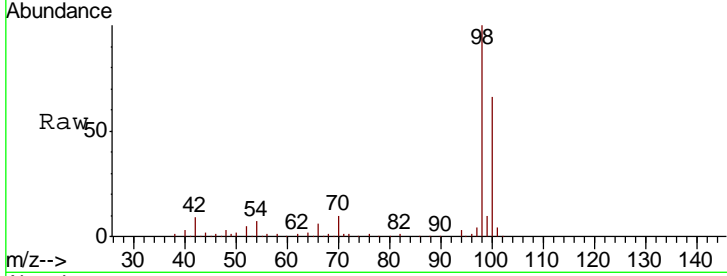




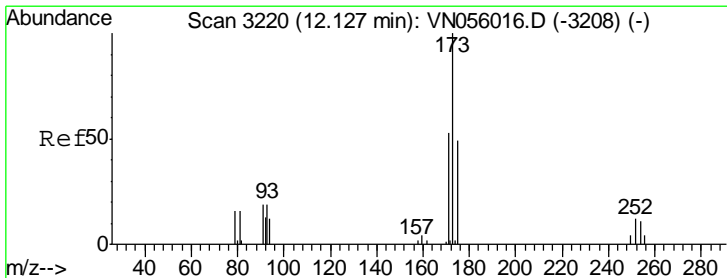
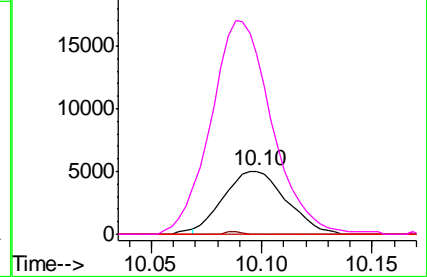
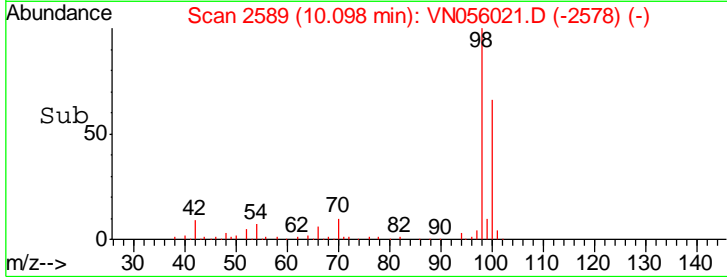
#50
 1,1,2-Trichloroethane
 Concen: 3.124 ug/l
 RT: 10.10 min Scan# 2589
 Delta R.T. -0.46 min
 Lab File: VN056021.D
 Acq: 5 Jun 2019 22:13

Instrument : MSVOA_N
 ClientSampled : VN0606WBL01

Tgt Ion	Resp	Lower	Upper
97	100		
83	0.0	66.9	100.3#
85	0.0	43.3	64.9#
99	280.0	48.6	73.0#

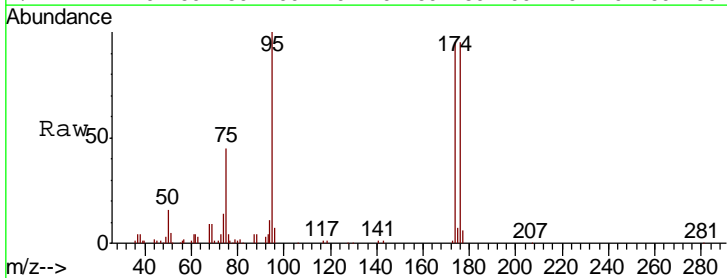


Abundance Ion 97.00 (96.70 to 97.70): VN056021.D
 Ion 82.95 (82.65 to 83.65): VN056021.D
 Ion 84.95 (84.65 to 85.65): VN056021.D
 Ion 98.95 (98.65 to 99.65): VN056021.D

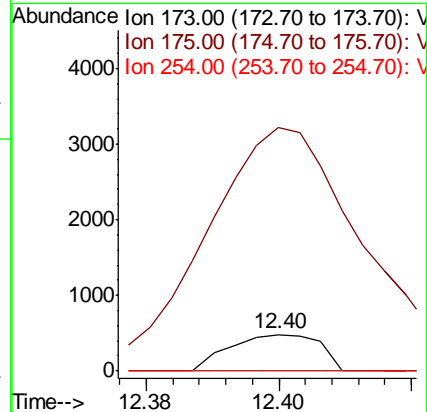
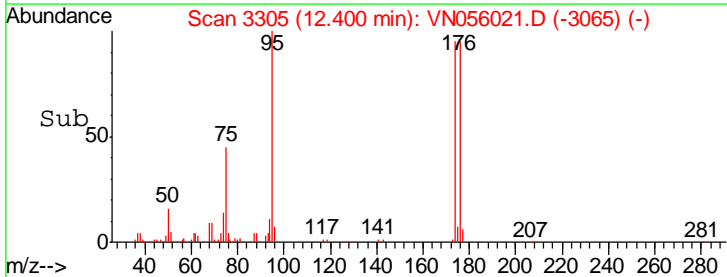


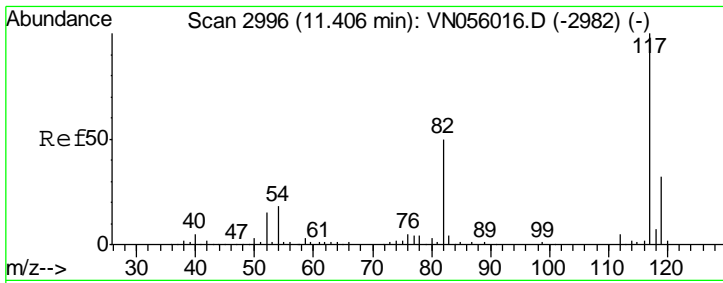
#56
 Bromoform
 Concen: 0.204 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.27 min
 Lab File: VN056021.D
 Acq: 5 Jun 2019 22:13

Tgt Ion	Resp	Lower	Upper
173	100		
175	1165.1	38.7	58.1#
254	0.0	6.6	9.8#



Abundance Ion 173.00 (172.70 to 173.70): VN056021.D
 Ion 175.00 (174.70 to 175.70): VN056021.D
 Ion 254.00 (253.70 to 254.70): VN056021.D

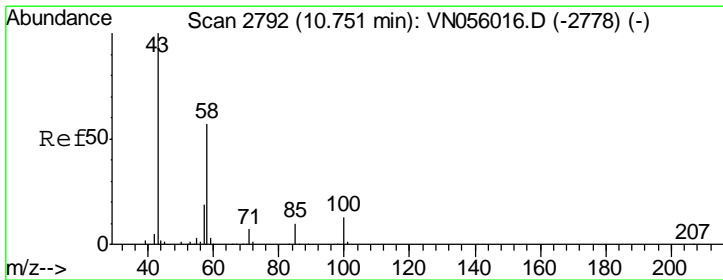
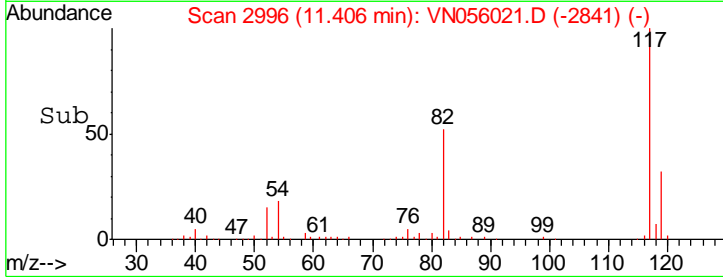
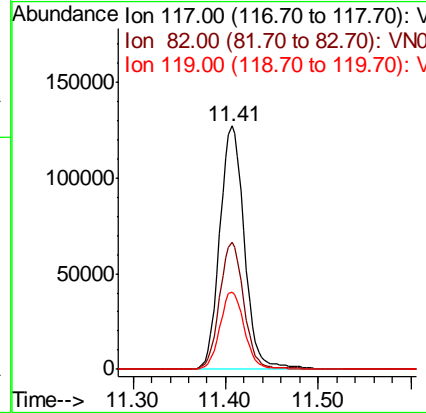
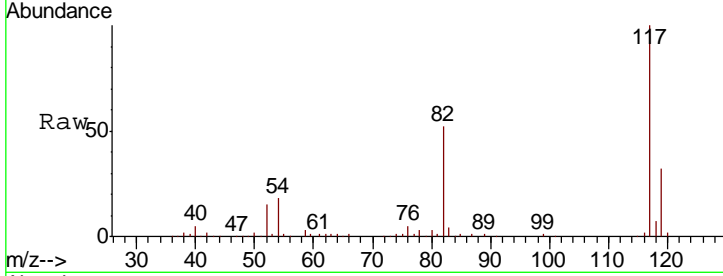




#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. -0.00 min
 Lab File: VN056021.D
 Acq: 5 Jun 2019 22:13

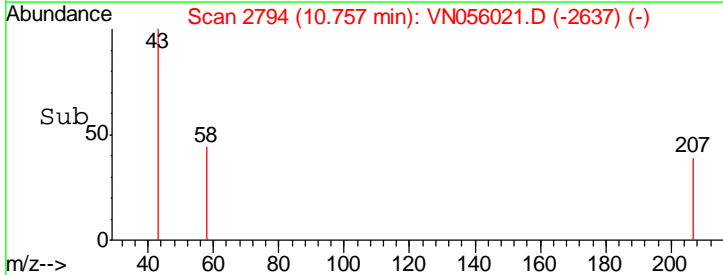
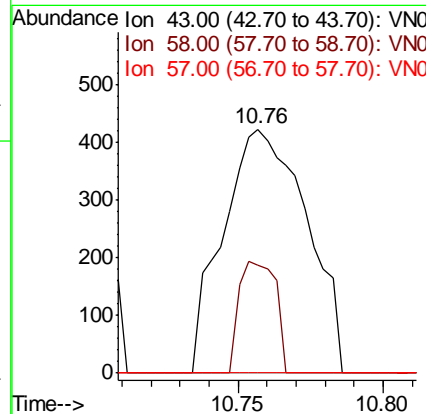
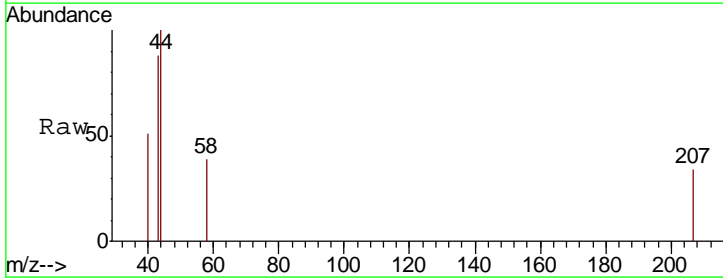
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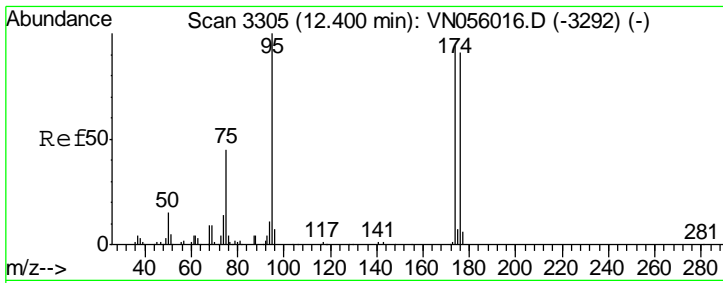
Tgt Ion	Resp	Lower	Upper
117	100		
82	51.7	41.2	61.8
119	31.7	26.2	39.2



#59
 2-Hexanone
 Concen: 0.333 ug/l
 RT: 10.76 min Scan# 2794
 Delta R.T. 0.01 min
 Lab File: VN056021.D
 Acq: 5 Jun 2019 22:13

Tgt Ion	Resp	Lower	Upper
43	100		
58	20.0	45.3	67.9#
57	0.0	15.6	23.4#

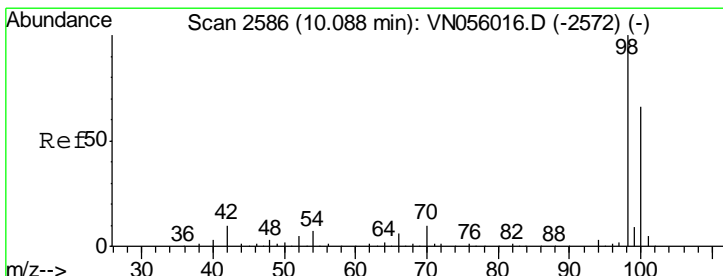
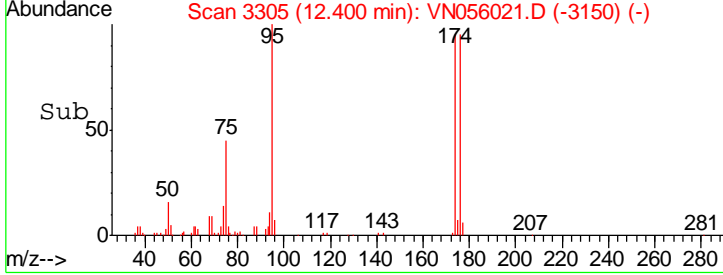
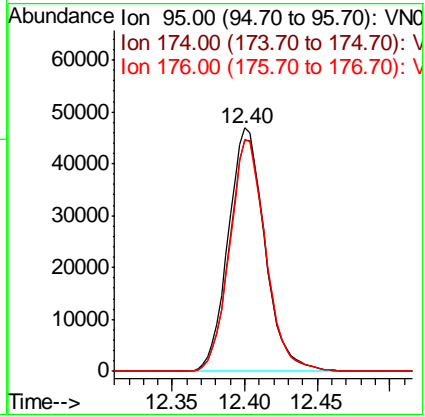
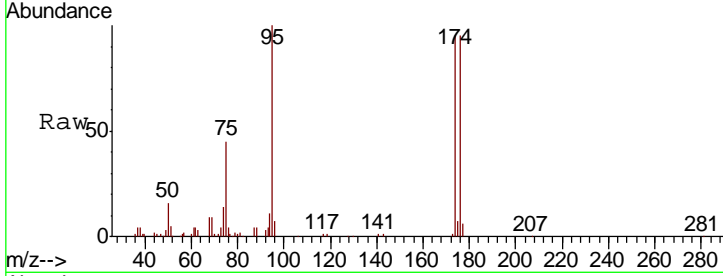




#60
 4-Bromofluorobenzene
 Concen: 23.577 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN056021.D
 Acq: 5 Jun 2019 22:13

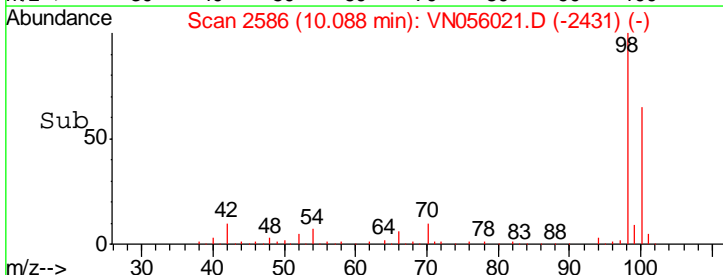
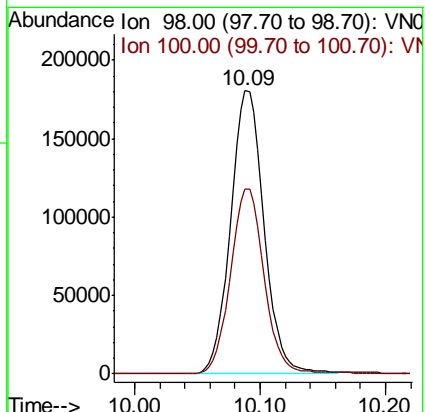
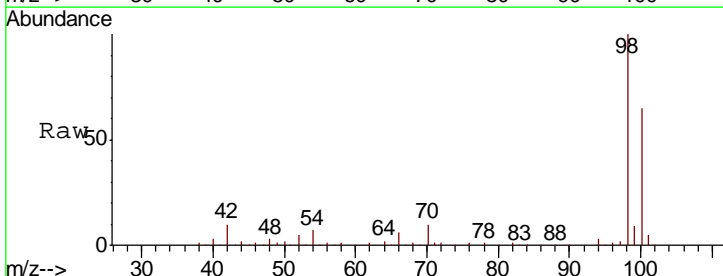
Instrument : MSVOA_N
 ClientSampled : VN0606WBL01

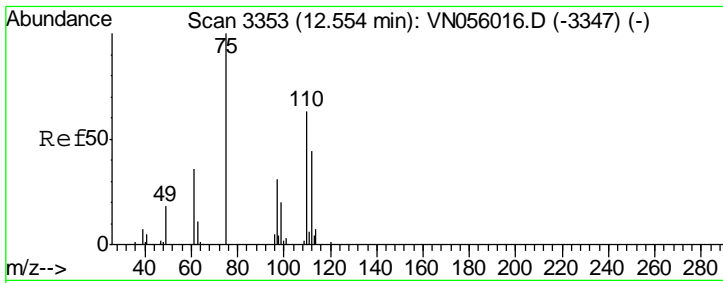
Tgt Ion	Resp	Lower	Upper
95	81969		
174	94.3	75.4	113.0
176	93.9	73.9	110.9



#63
 Toluene-d8
 Concen: 31.426 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. -0.00 min
 Lab File: VN056021.D
 Acq: 5 Jun 2019 22:13

Tgt Ion	Resp	Lower	Upper
98	334391		
100	65.7	52.2	78.4

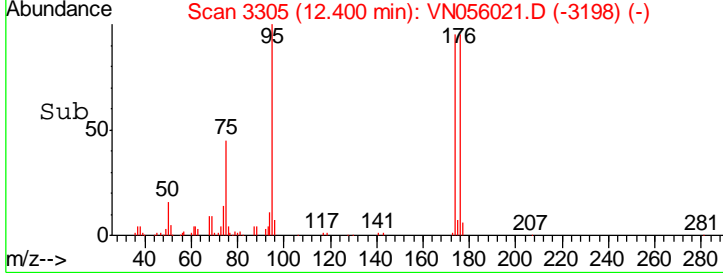
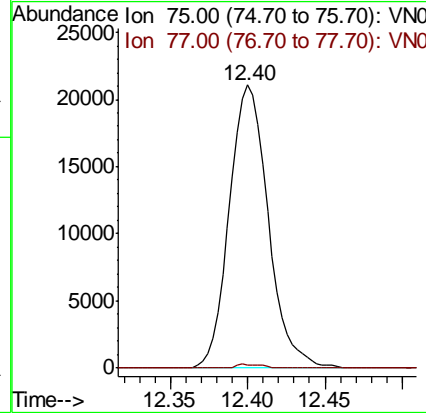
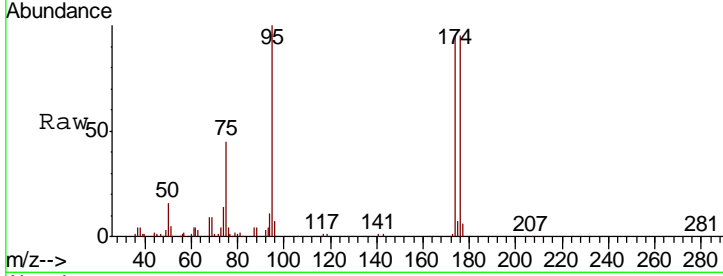




#72
 1,2,3-Trichloropropane
 Concen: 10.690 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN056021.D
 Acq: 5 Jun 2019 22:13

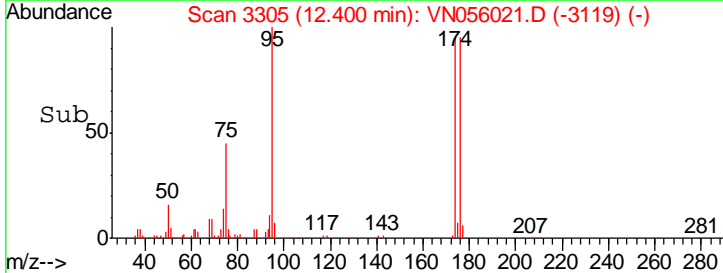
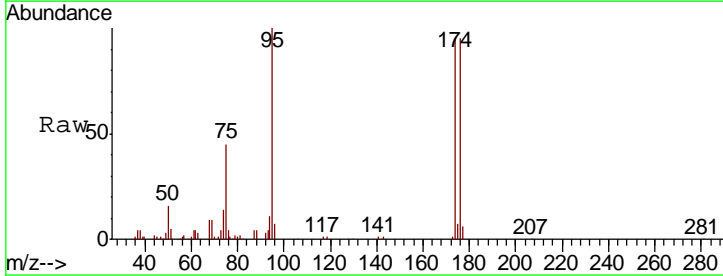
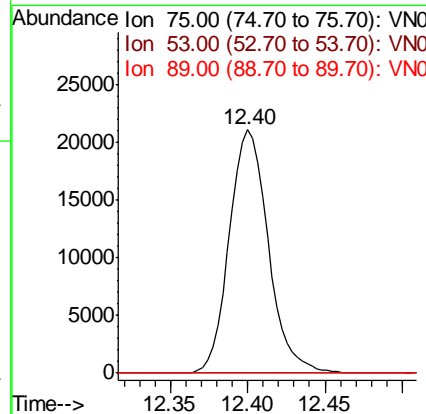
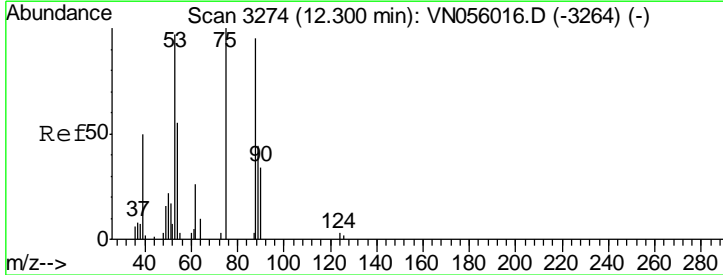
Instrument :
 MSVOA_N
 ClientSampled :
 VN0606WBL01

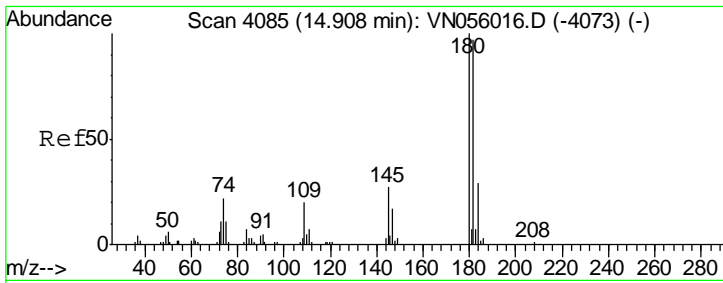
Tgt Ion	Resp	Lower	Upper
75	100		
77	0.8	0.0	350.0



#77
 t-1,4-Dichloro-2-butene
 Concen: 37.465 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN056021.D
 Acq: 5 Jun 2019 22:13

Tgt Ion	Resp	Lower	Upper
75	100		
53	0.0	48.0	144.0#
89	0.0	22.5	67.5#

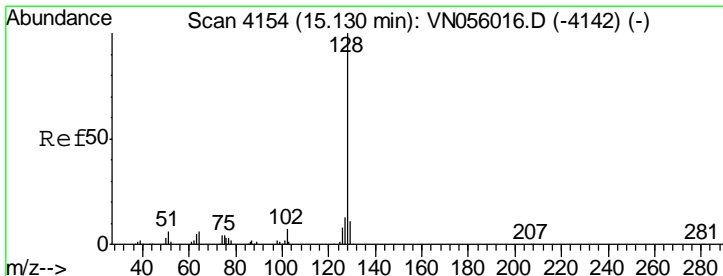
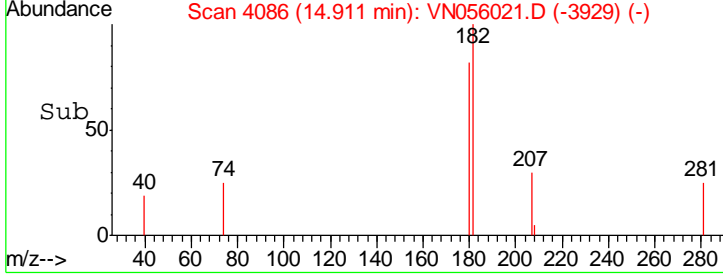
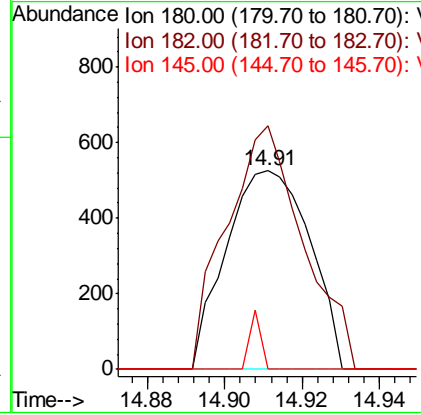
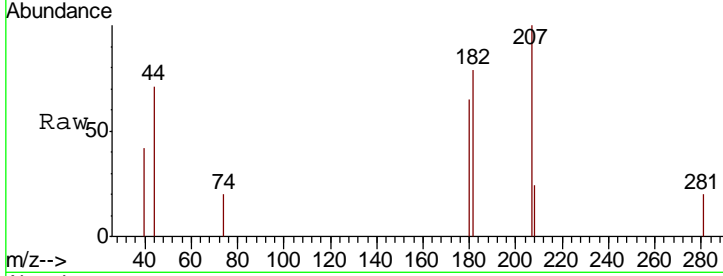




#89
 1,2,4-Trichlorobenzene
 Concen: 8.753 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN056021.D
 Acq: 5 Jun 2019 22:13

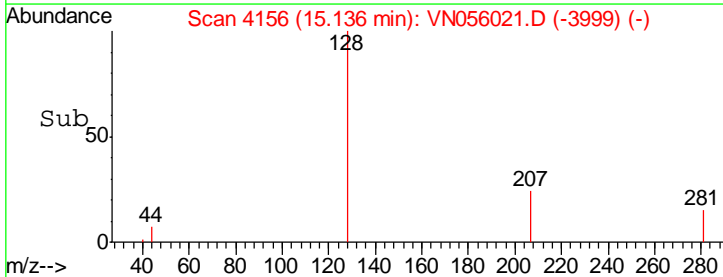
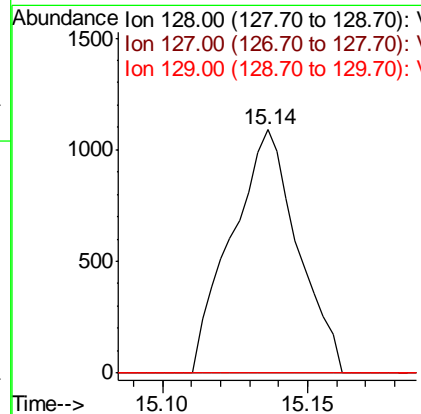
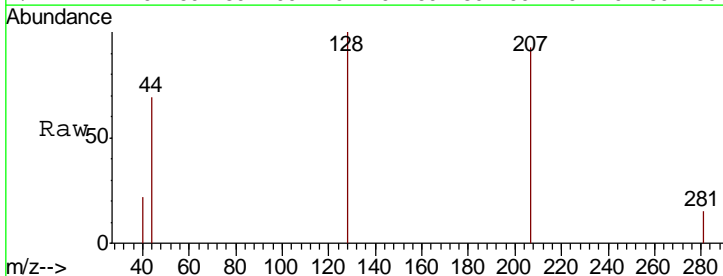
Instrument : MSVOA_N
 ClientSampled : VN0606WBL01

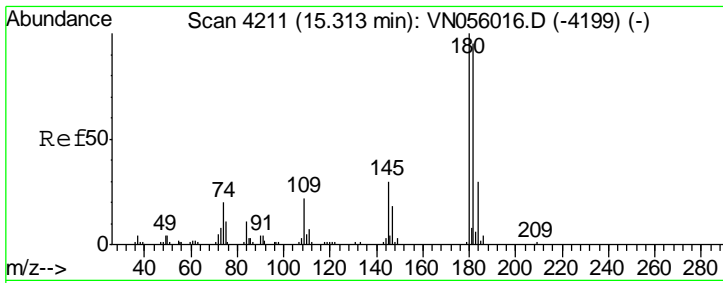
Tgt Ion	Resp	Lower	Upper
180	791		
182	112.1	75.0	112.6
145	0.0	22.1	33.1#



#91
 Naphthalene
 Concen: 0.234 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.01 min
 Lab File: VN056021.D
 Acq: 5 Jun 2019 22:13

Tgt Ion	Resp	Lower	Upper
128	1722		
127	0.0	10.4	15.6#
129	0.0	8.7	13.1#





#92
 1,2,3-Trichlorobenzene
 Concen: 0.369 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. -0.00 min
 Lab File: VN056021.D
 Acq: 5 Jun 2019 22:13

Instrument :
 MSVOA_N
 ClientSampled :
 VN0606WBL01

Tot Ion	Ion	Ratio	Lower	Upper
180	180	100		
182	182	95.5	0.0	193.4
145	145	0.0	0.0	59.8

