

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100719\  
 Data File : VN058583.D  
 Acq On : 7 Oct 2019 21:34  
 Operator : JC/SP  
 Sample : K5215-02  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampled :

Quant Time: Oct 08 14:08:30 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N092719W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Sep 30 08:07:38 2019  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	472071	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	747710	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	646771	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	259878	50.00	ug/l	0.00

## System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	325938	47.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.50%	
35) Dibromofluoromethane	7.57	113	234526	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	
50) Toluene-d8	10.08	98	931128	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	
62) 4-Bromofluorobenzene	12.41	95	308801	47.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.14%	

## Target Compounds

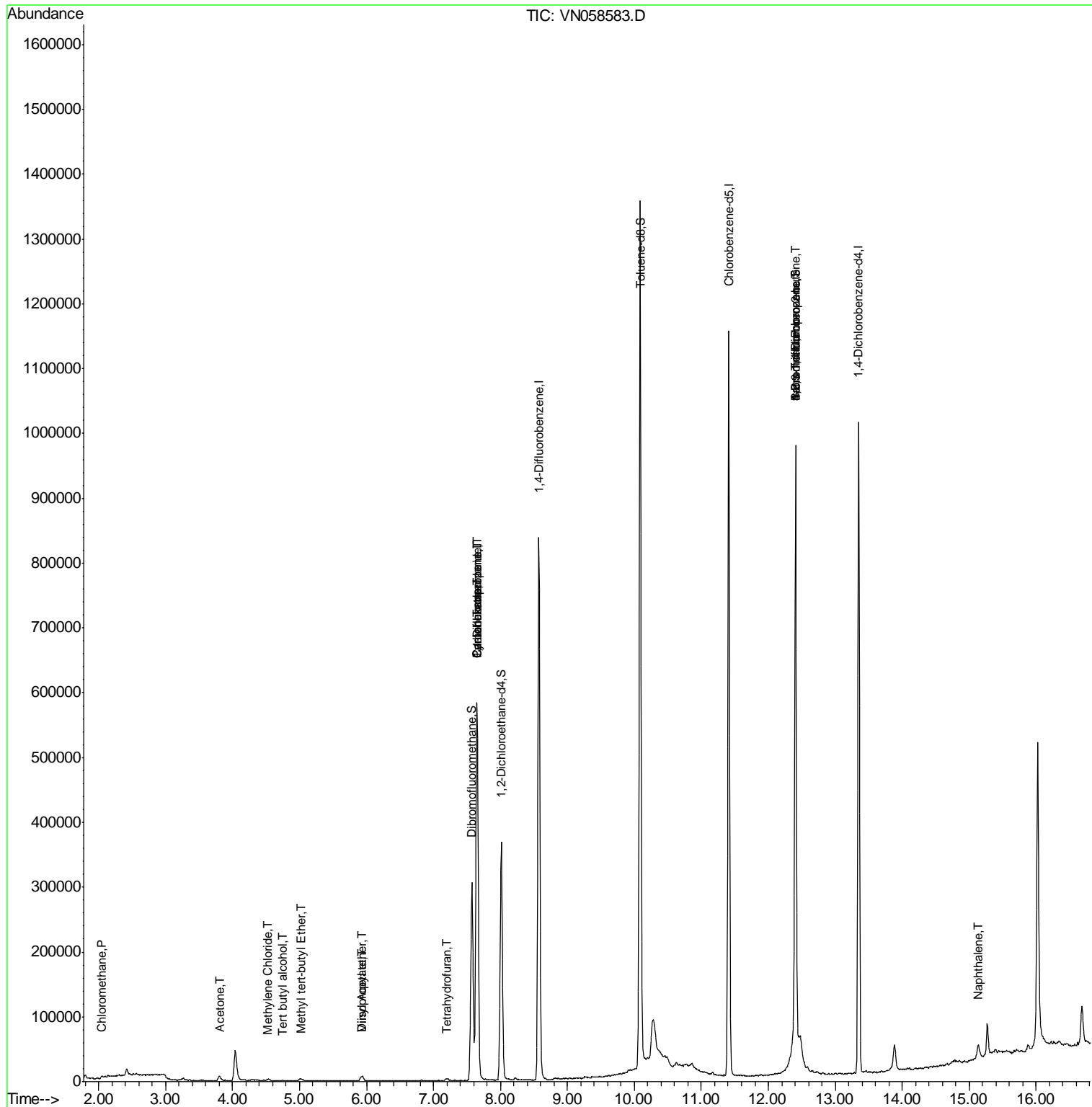
						Qvalue
3) Chloromethane	2.04	50	2471	0.434	ug/l	95
11) Tert butyl alcohol	4.76	59	619	0.808	ug/l #	71
16) Acetone	3.80	43	12046	5.122	ug/l	90
19) Methyl tert-butyl Ether	5.02	73	5702	0.363	ug/l	92
20) Methylene Chloride	4.53	84	2024	0.373	ug/l #	91
22) Diisopropyl ether	5.94	45	9777	0.561	ug/l #	80
23) Vinyl Acetate	5.93	43	6049	0.460	ug/l #	74
29) Tetrahydrofuran	7.20	42	2807	1.370	ug/l #	75
31) Cyclohexane	7.65	56	11358	1.190	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	38416	5.373	ug/l #	50
38) Carbon Tetrachloride	7.65	117	47301	7.329	ug/l #	16
60) Dibromochloromethane	10.63	129	463	Below Cal	#	11
71) Bromoform	12.41	173	2009	1.357	ug/l #	1
76) 1,2,3-Trichloropropane	12.41	75	161301	33.982	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	161301	103.207	ug/l #	7
95) Naphthalene	15.14	128	8193	0.616	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.28	180	29	Below Cal	#	1

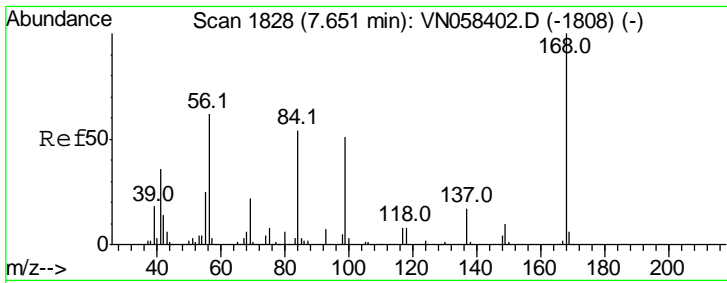
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Response via : Initial Calibration

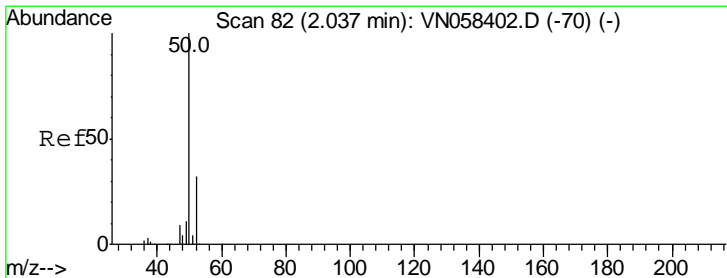
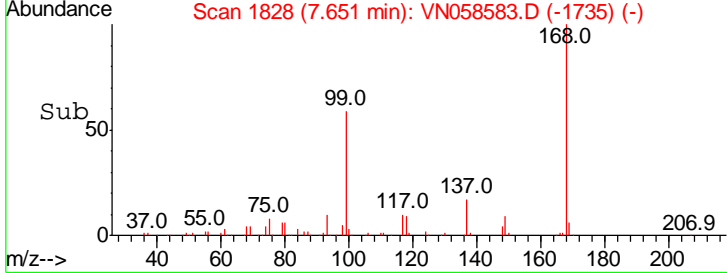
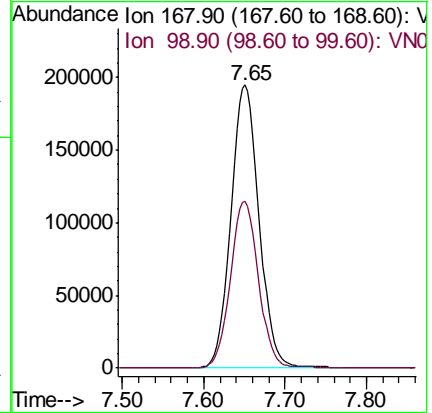
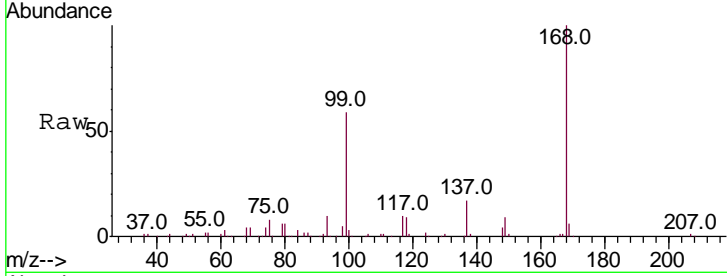




#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 7.65 min Scan# 1828  
 Delta R.T. -0.00 min  
 Lab File: VN058583.D  
 Acq: 7 Oct 2019 21:34

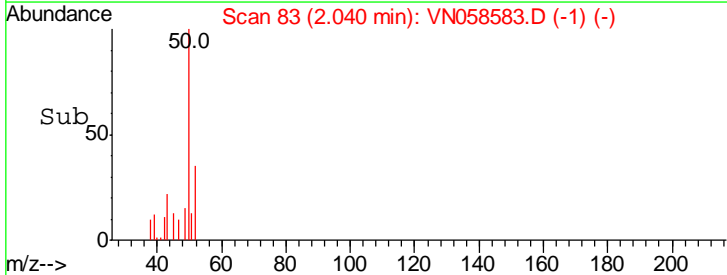
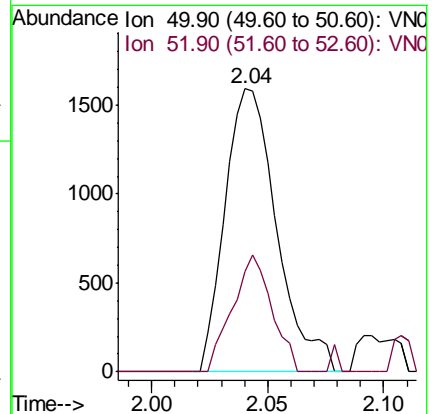
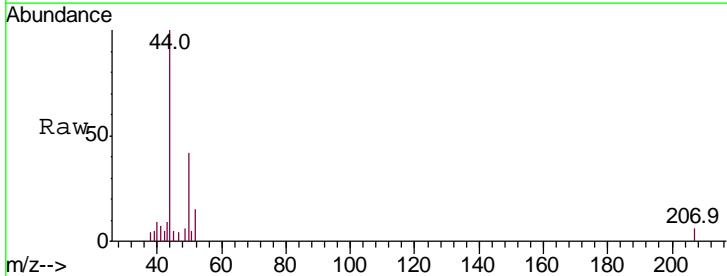
Instrument :  
 MSVOA\_N  
 ClientSampled :

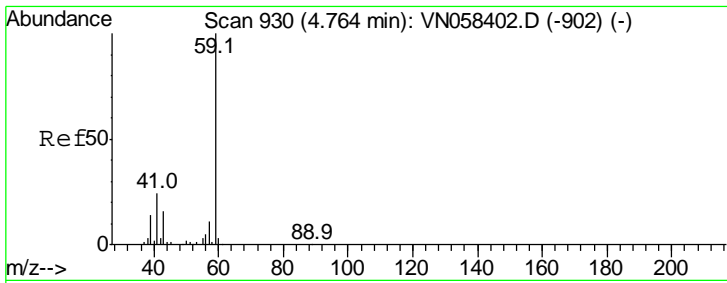
Tgt Ion: 168 Resp: 472071  
 Ion Ratio Lower Upper  
 168 100  
 99 59.0 47.7 71.5



#3  
 Chloromethane  
 Concen: 0.434 ug/l  
 RT: 2.04 min Scan# 83  
 Delta R.T. 0.00 min  
 Lab File: VN058583.D  
 Acq: 7 Oct 2019 21:34

Tgt Ion: 50 Resp: 2471  
 Ion Ratio Lower Upper  
 50 100  
 52 35.4 25.9 38.9

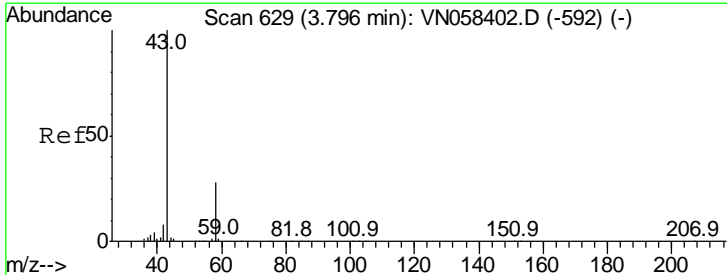
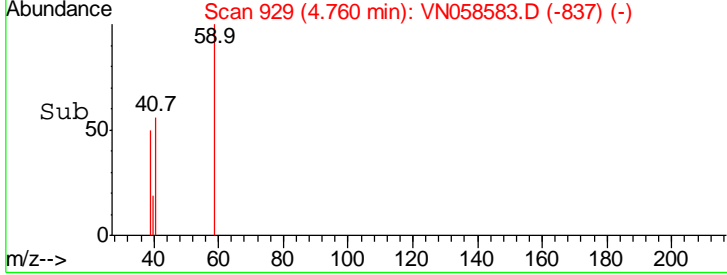
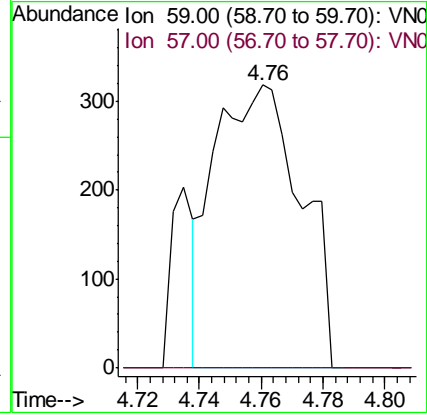
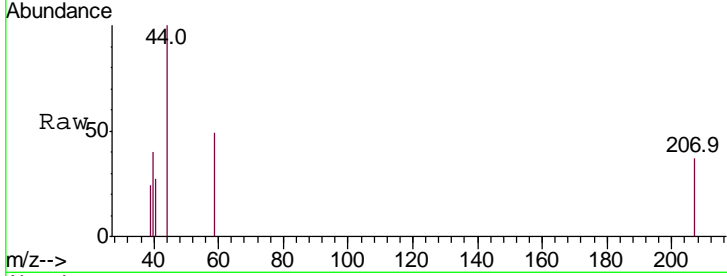




#11  
 Tert butyl alcohol  
 Concen: 0.808 ug/l  
 RT: 4.76 min Scan# 929  
 Delta R.T. -0.00 min  
 Lab File: VN058583.D  
 Acq: 7 Oct 2019 21:34

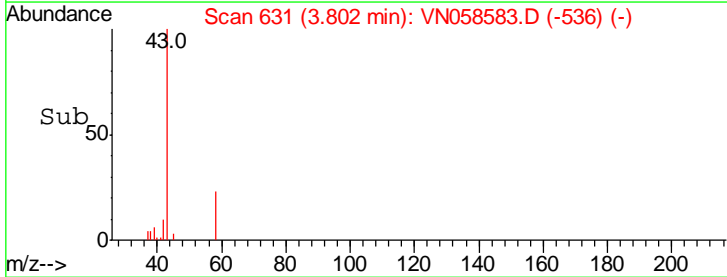
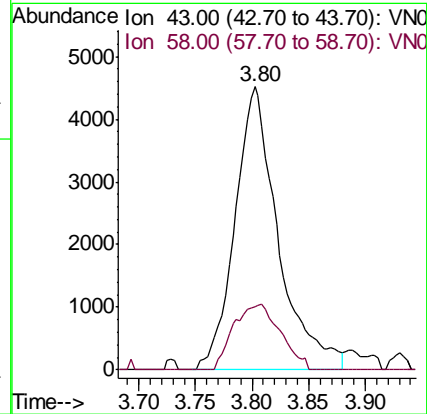
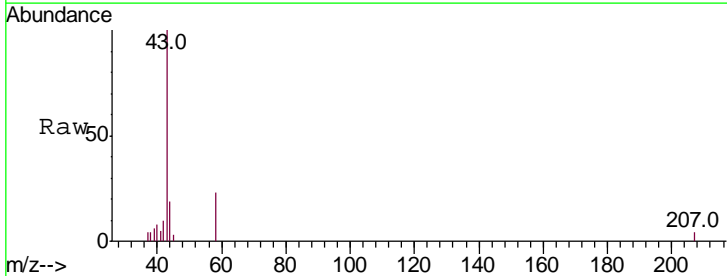
Instrument :  
 MSVOA\_N  
 ClientSampled :

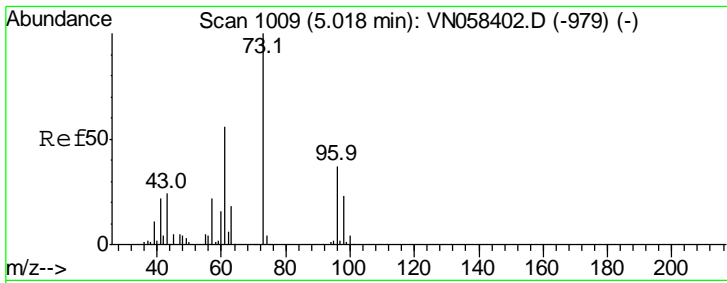
Tgt Ion: 59 Resp: 619  
 Ion Ratio Lower Upper  
 59 100  
 57 0.0 9.0 13.4#



#16  
 Acetone  
 Concen: 5.122 ug/l  
 RT: 3.80 min Scan# 631  
 Delta R.T. 0.01 min  
 Lab File: VN058583.D  
 Acq: 7 Oct 2019 21:34

Tgt Ion: 43 Resp: 12046  
 Ion Ratio Lower Upper  
 43 100  
 58 22.5 22.4 33.6

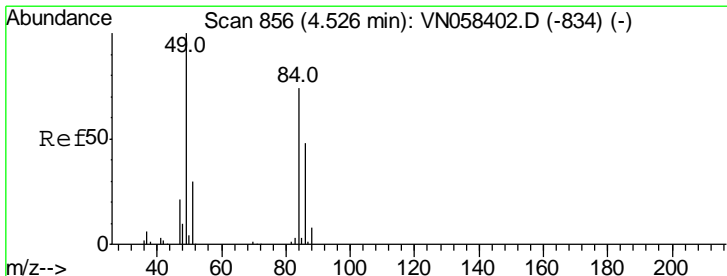
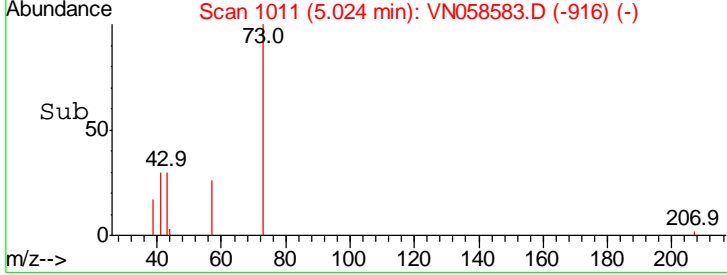
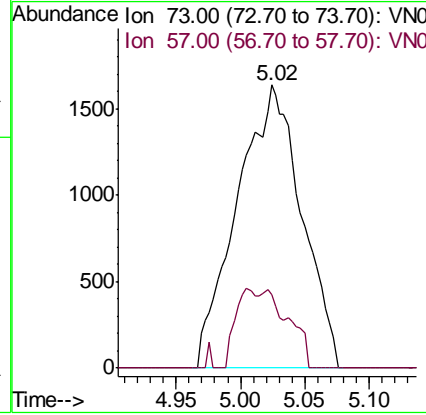
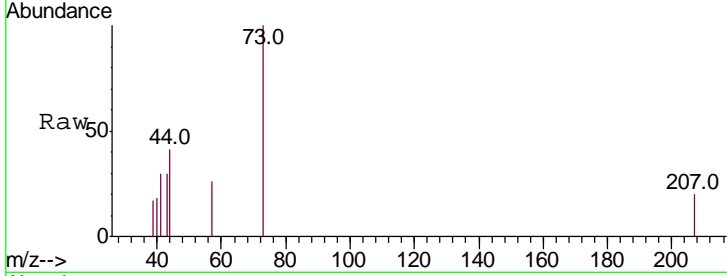




#19  
 Methyl tert-butyl Ether  
 Concen: 0.363 ug/l  
 RT: 5.02 min Scan# 1011  
 Delta R.T. 0.01 min  
 Lab File: VN058583.D  
 Acq: 7 Oct 2019 21:34

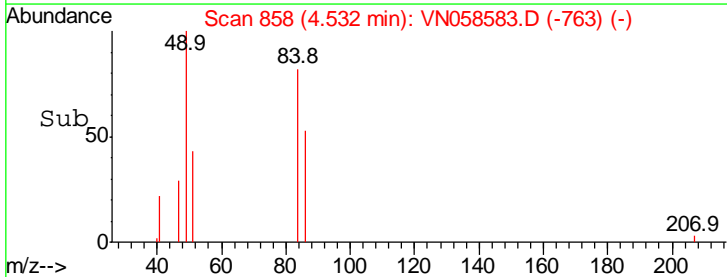
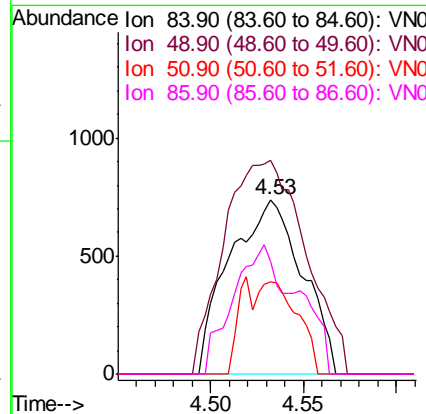
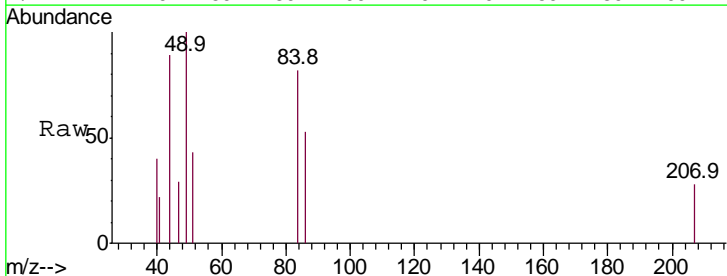
Instrument :  
 MSVOA\_N  
 ClientSampled :

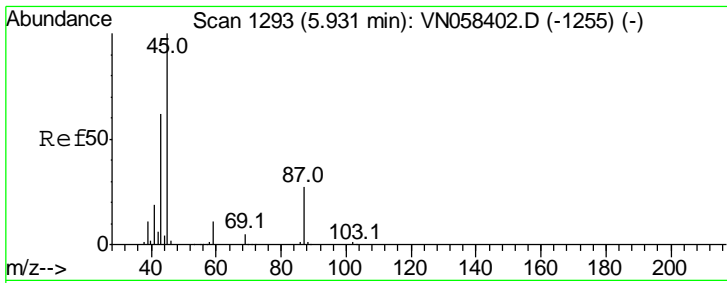
Tgt Ion	Resp	Lower	Upper
73	100		
57	25.8	17.6	26.4



#20  
 Methylene Chloride  
 Concen: 0.373 ug/l  
 RT: 4.53 min Scan# 858  
 Delta R.T. 0.01 min  
 Lab File: VN058583.D  
 Acq: 7 Oct 2019 21:34

Tgt Ion	Resp	Lower	Upper
84	100		
49	122.6	107.9	161.9
51	53.1	32.8	49.2#
86	64.6	51.5	77.3

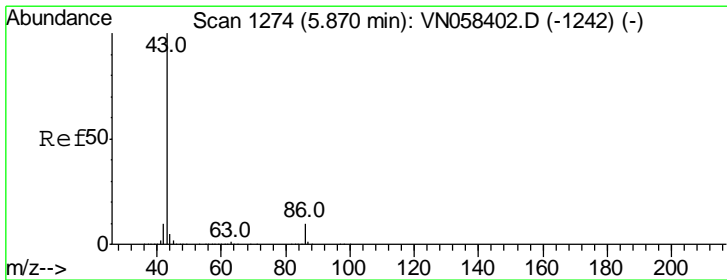
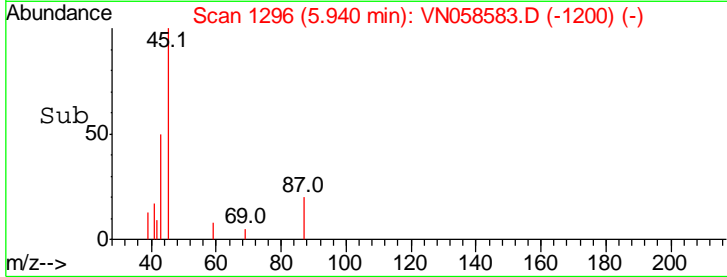
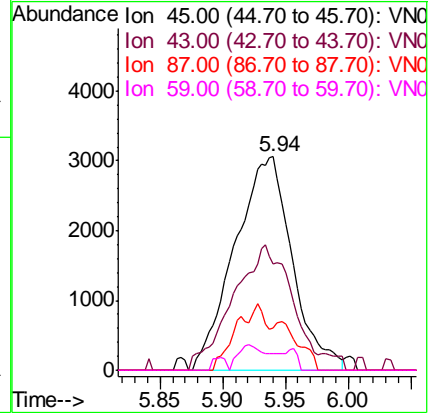
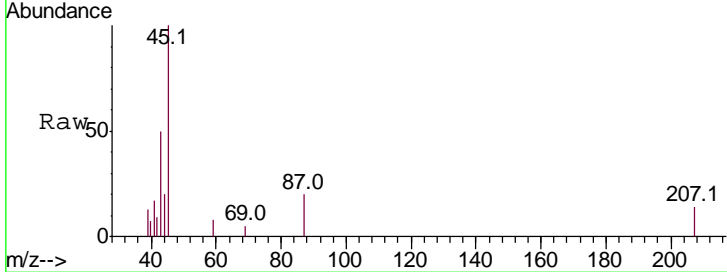




#22  
 Diisopropyl ether  
 Concen: 0.561 ug/l  
 RT: 5.94 min Scan# 1296  
 Delta R.T. 0.01 min  
 Lab File: VN058583.D  
 Acq: 7 Oct 2019 21:34

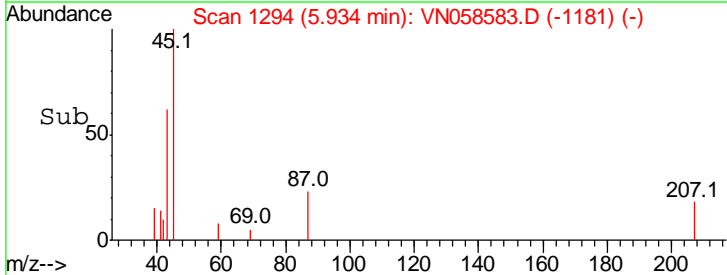
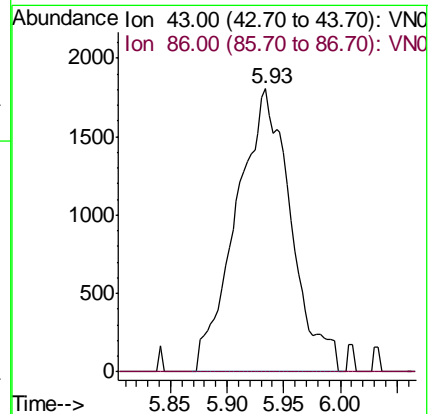
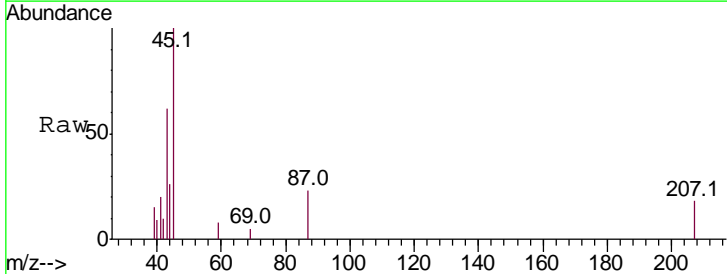
Instrument : MSVOA\_N  
 ClientSampled :

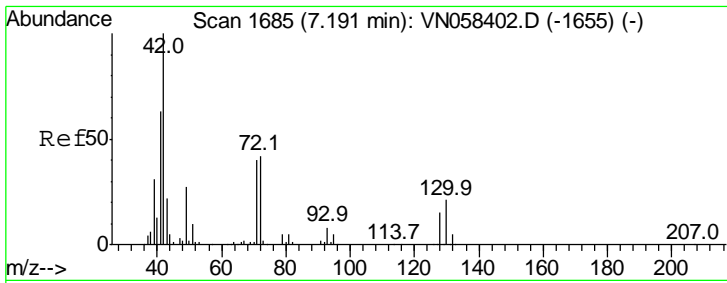
Tgt Ion	Resp	Lower	Upper
45	100		
43	43.2	49.7	74.5#
87	19.9	21.5	32.3#
59	7.9	8.9	13.3#



#23  
 Vinyl Acetate  
 Concen: 0.460 ug/l  
 RT: 5.93 min Scan# 1294  
 Delta R.T. 0.06 min  
 Lab File: VN058583.D  
 Acq: 7 Oct 2019 21:34

Tgt Ion	Resp	Lower	Upper
43	100		
86	0.0	7.7	11.5#

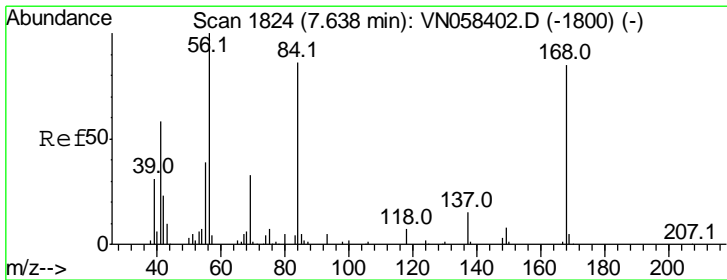
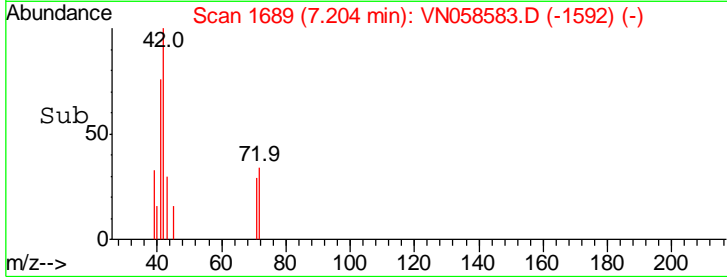
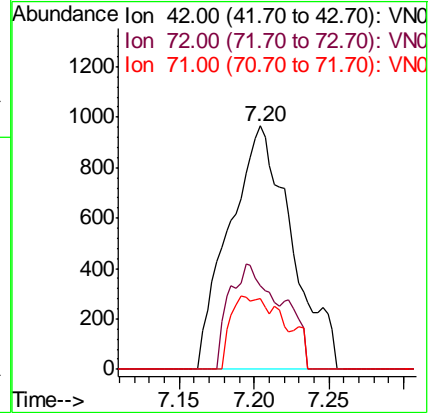
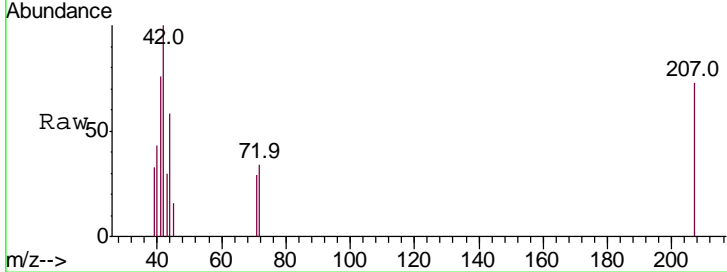




#29  
 Tetrahydrofuran  
 Concen: 1.370 ug/l  
 RT: 7.20 min Scan# 1689  
 Delta R.T. 0.01 min  
 Lab File: VN058583.D  
 Acq: 7 Oct 2019 21:34

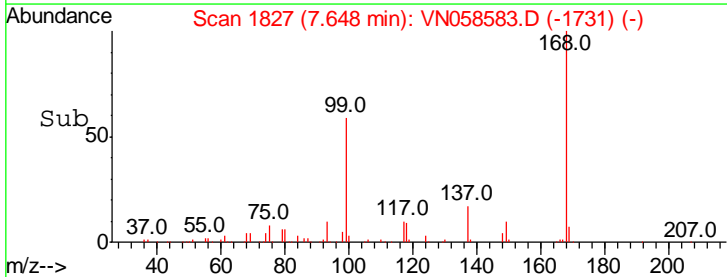
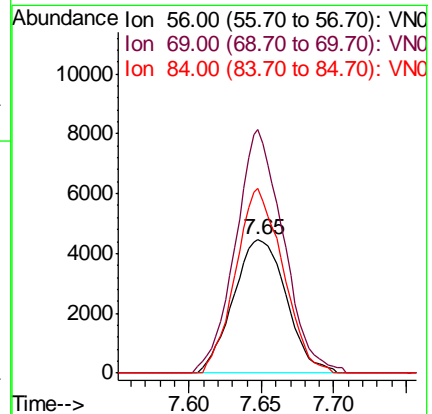
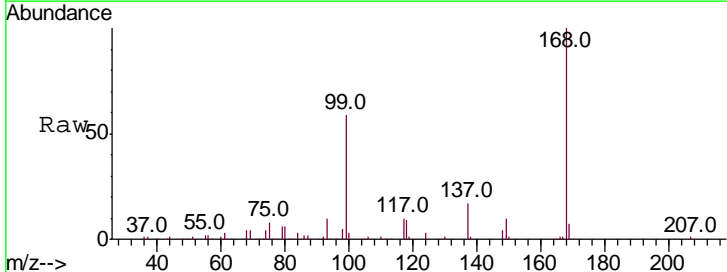
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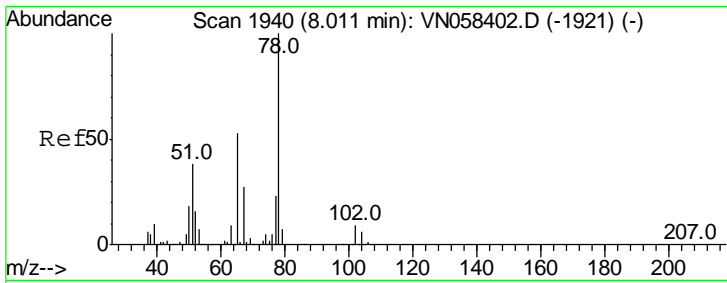
Tgt Ion	Resp	Lower	Upper
42	100		
72	28.4	33.7	50.5#
71	22.7	31.8	47.6#



#31  
 Cyclohexane  
 Concen: 1.190 ug/l  
 RT: 7.65 min Scan# 1827  
 Delta R.T. 0.01 min  
 Lab File: VN058583.D  
 Acq: 7 Oct 2019 21:34

Tgt Ion	Resp	Lower	Upper
56	100		
69	182.5	26.2	39.4#
84	138.5	67.6	101.4#

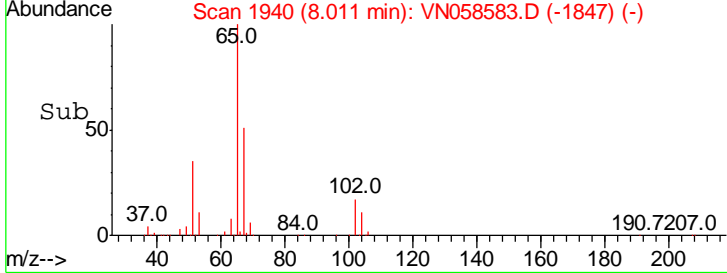
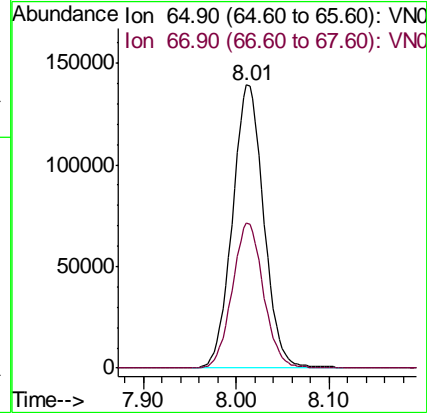
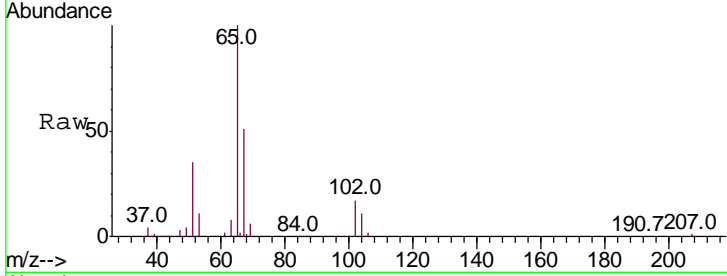




#33  
 1,2-Dichloroethane-d4  
 Concen: 47.247 ug/l  
 RT: 8.01 min Scan# 1940  
 Delta R.T. -0.00 min  
 Lab File: VN058583.D  
 Acq: 7 Oct 2019 21:34

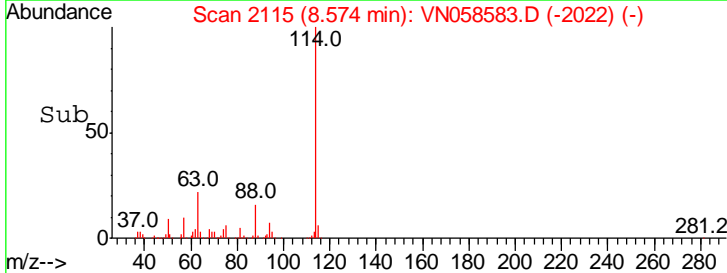
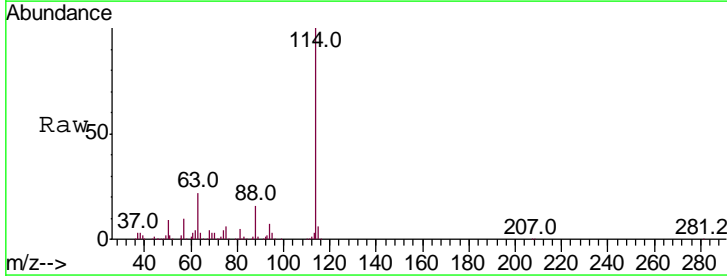
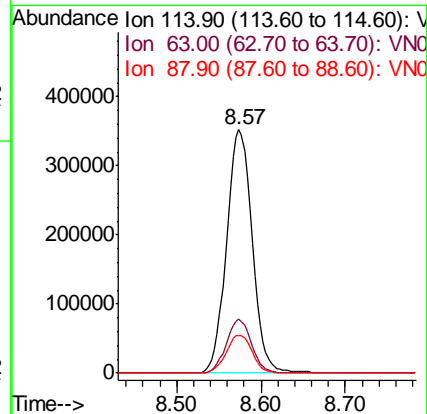
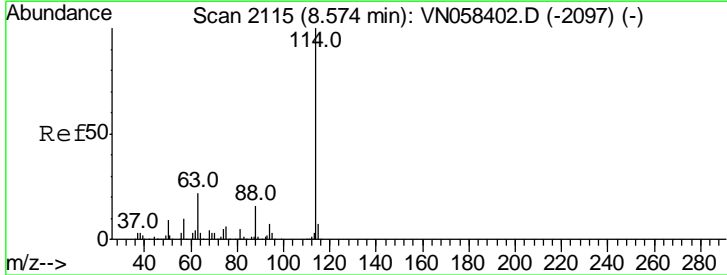
Instrument :  
 MSVOA\_N  
 ClientSampled :

Tgt Ion	Resp	Lower	Upper
65	100		
67	51.1	0.0	102.4

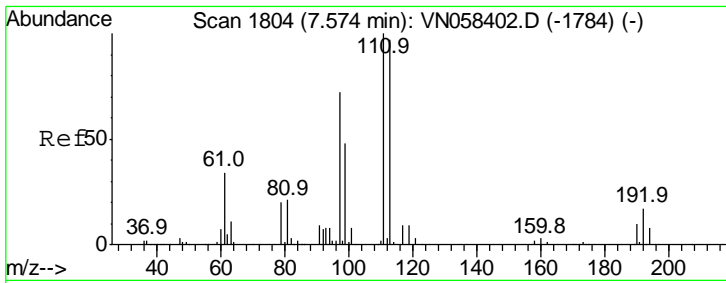


#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.57 min Scan# 2115  
 Delta R.T. -0.00 min  
 Lab File: VN058583.D  
 Acq: 7 Oct 2019 21:34

Tgt Ion	Resp	Lower	Upper
114	100		
63	22.1	0.0	45.0
88	15.6	0.0	32.2



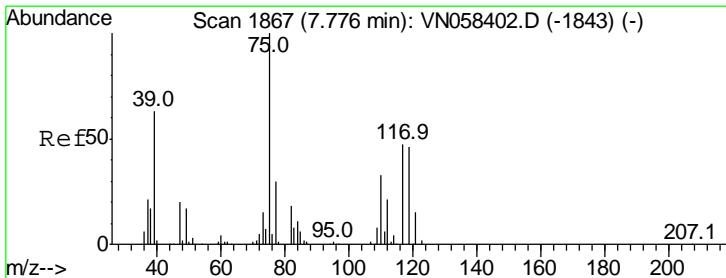
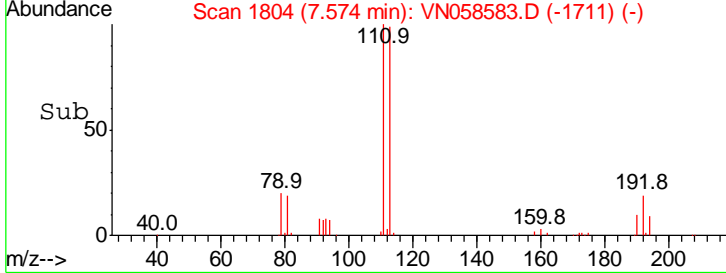
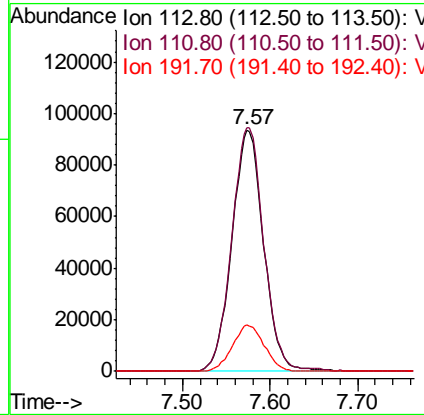
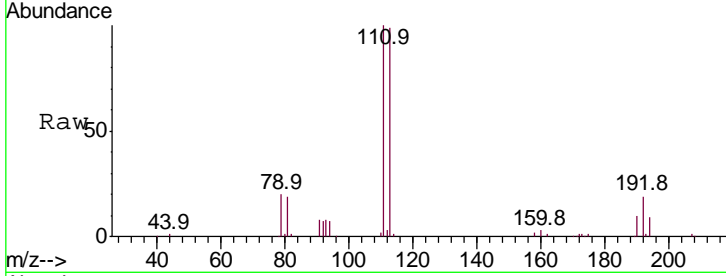




#35  
 Dibromofluoromethane  
 Concen: 51.177 ug/l  
 RT: 7.57 min Scan# 1804  
 Delta R.T. -0.00 min  
 Lab File: VN058583.D  
 Acq: 7 Oct 2019 21:34

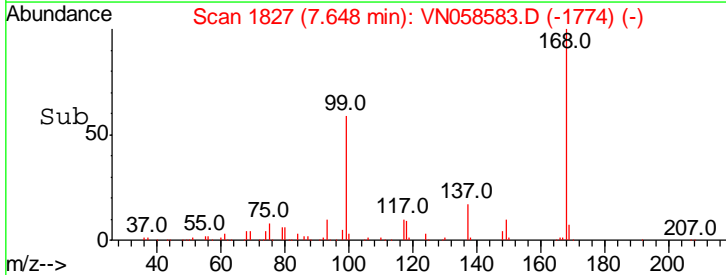
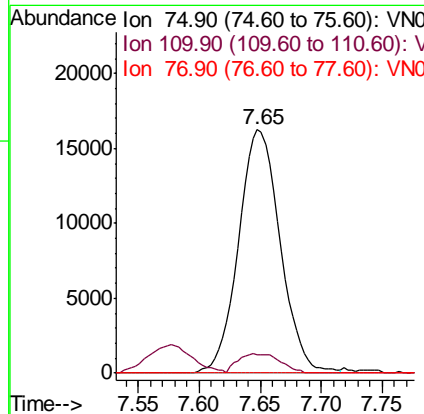
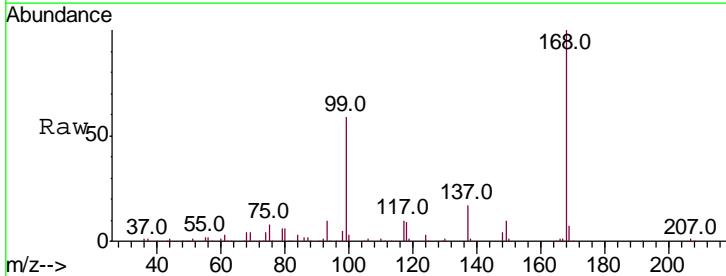
Instrument :  
 MSVOA\_N  
 ClientSampled :

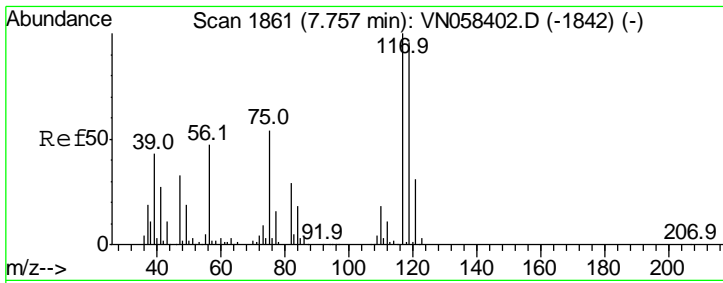
Tgt Ion	Resp	Lower	Upper
113	100		
111	101.8	83.4	125.2
192	19.4	14.9	22.3



#36  
 1,1-Dichloropropene  
 Concen: 5.373 ug/l  
 RT: 7.65 min Scan# 1827  
 Delta R.T. -0.13 min  
 Lab File: VN058583.D  
 Acq: 7 Oct 2019 21:34

Tgt Ion	Resp	Lower	Upper
75	100		
110	8.0	16.4	49.2#
77	0.0	24.3	36.5#

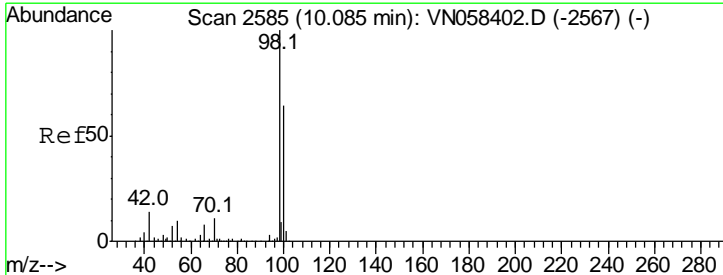
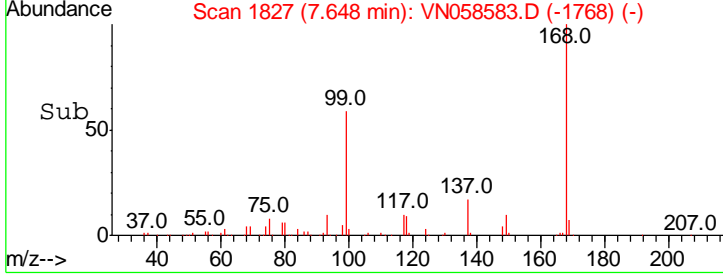
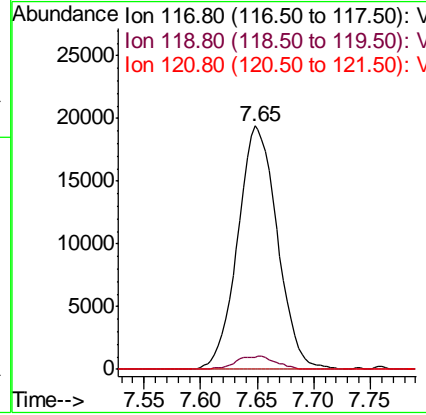
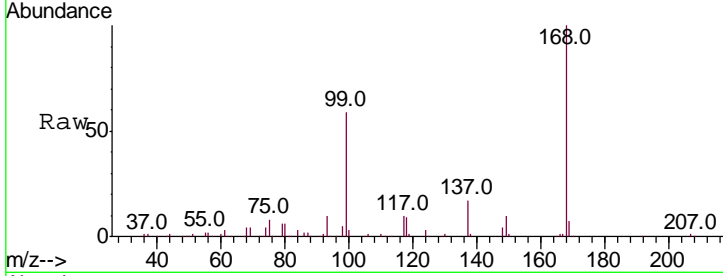




#38  
 Carbon Tetrachloride  
 Concen: 7.329 ug/l  
 RT: 7.65 min Scan# 1827  
 Delta R.T. -0.11 min  
 Lab File: VN058583.D  
 Acq: 7 Oct 2019 21:34

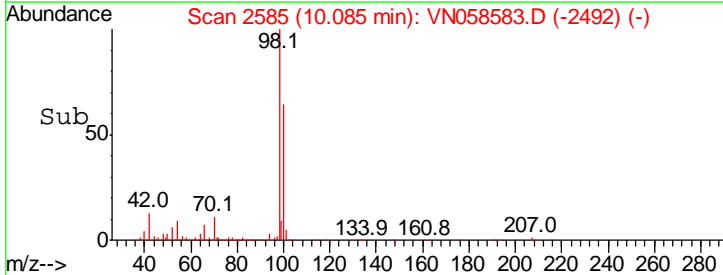
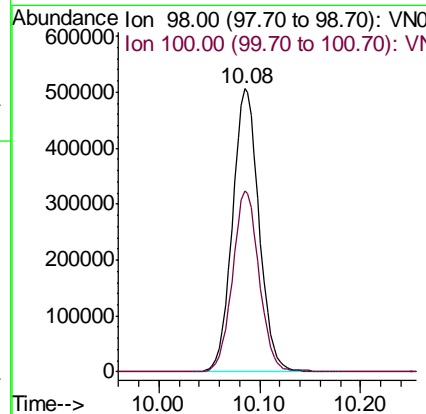
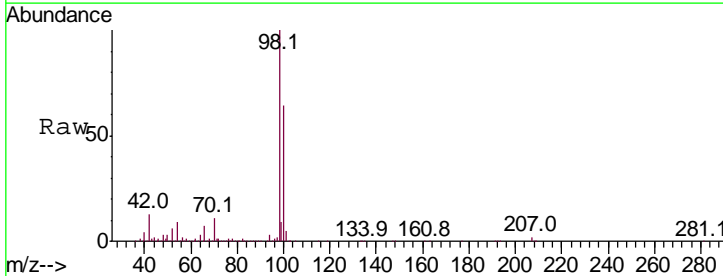
Instrument :  
 MSVOA\_N  
 ClientSampled :

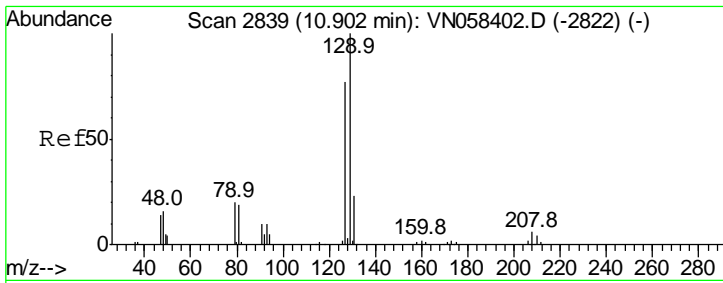
Tgt Ion	Resp	Lower	Upper
117	100		
119	5.0	76.6	115.0#
121	0.0	24.7	37.1#



#50  
 Toluene-d8  
 Concen: 51.867 ug/l  
 RT: 10.08 min Scan# 2585  
 Delta R.T. 0.00 min  
 Lab File: VN058583.D  
 Acq: 7 Oct 2019 21:34

Tgt Ion	Resp	Lower	Upper
98	100		
100	63.8	51.0	76.6

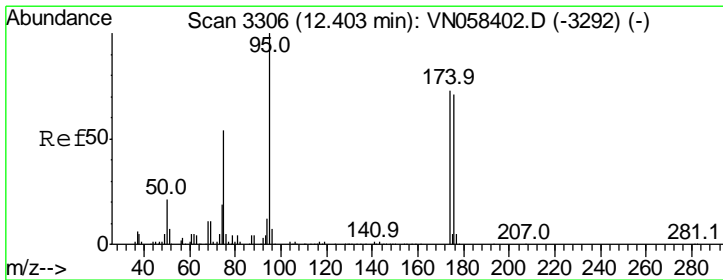
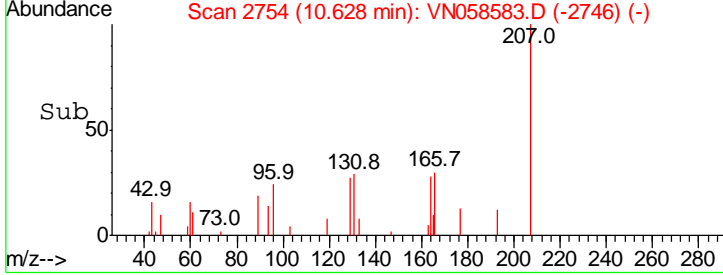
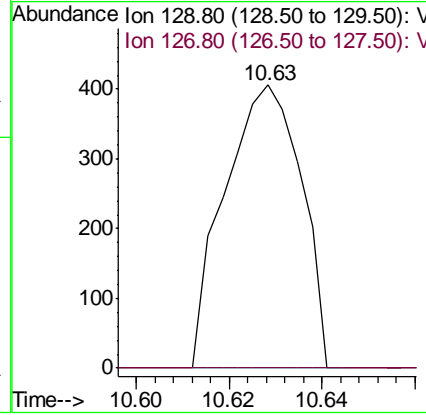
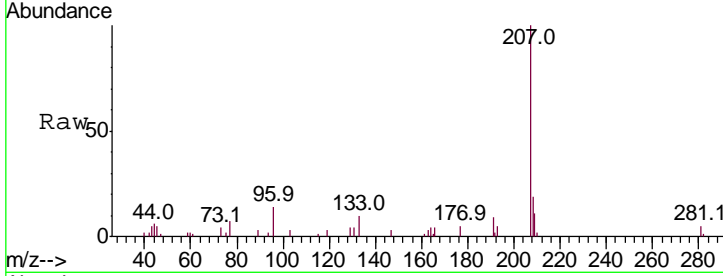




#60  
 Dibromochloromethane  
 Concen: Below Cal  
 RT: 10.63 min Scan# 2754  
 Delta R.T. -0.27 min  
 Lab File: VN058583.D  
 Acq: 7 Oct 2019 21:34

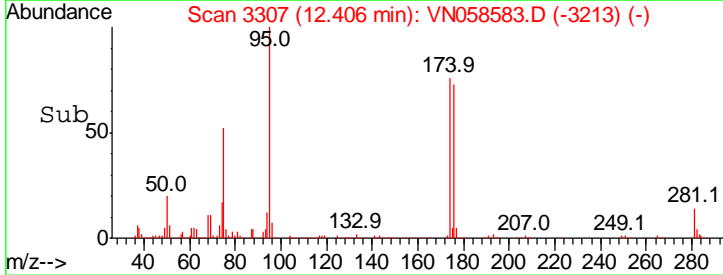
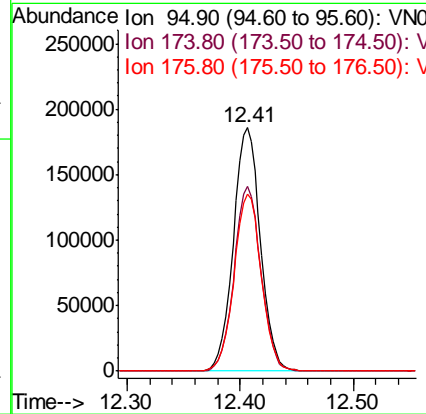
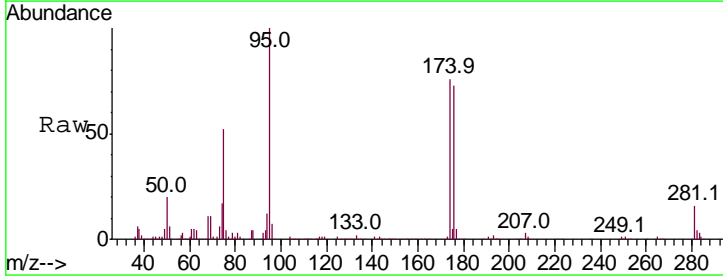
Instrument :  
 MSVOA\_N  
 ClientSampled :

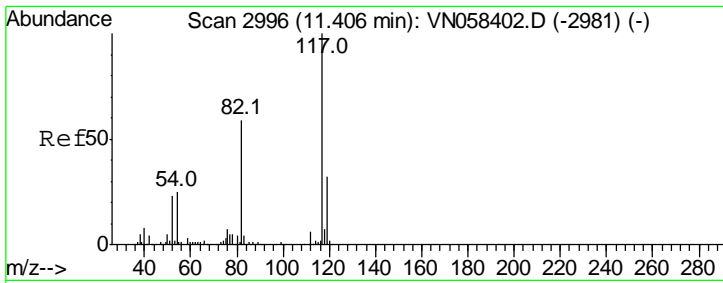
Tgt Ion	Resp	Lower	Upper
129	463		
127	0.0	38.3	114.8#



#62  
 4-Bromofluorobenzene  
 Concen: 47.573 ug/l  
 RT: 12.41 min Scan# 3307  
 Delta R.T. 0.00 min  
 Lab File: VN058583.D  
 Acq: 7 Oct 2019 21:34

Tgt Ion	Resp	Lower	Upper
95	308801		
174	75.5	0.0	150.6
176	73.5	0.0	146.2

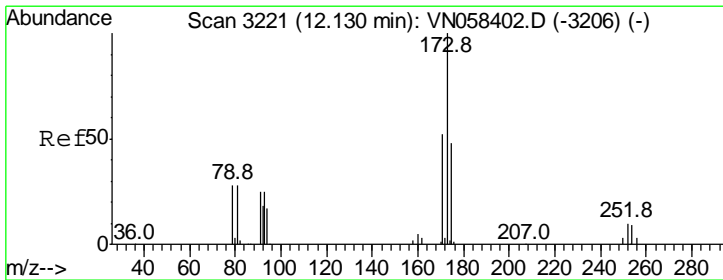
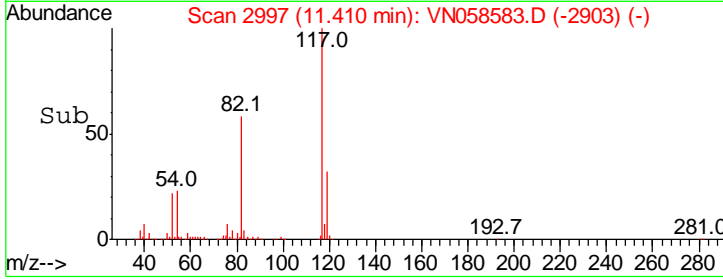
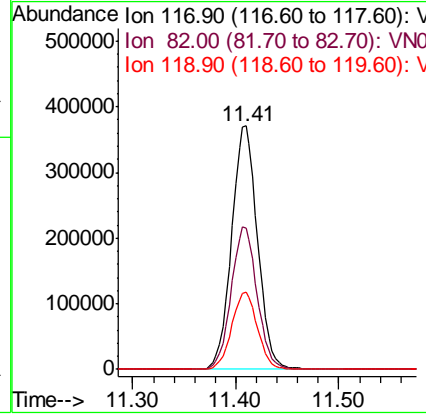
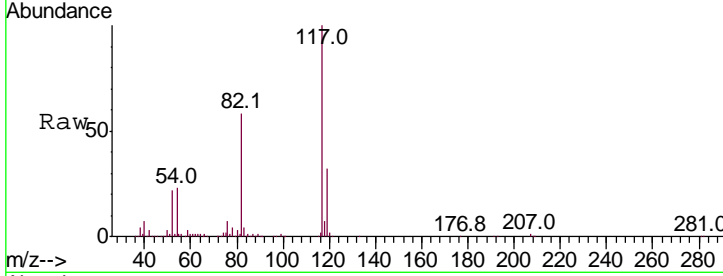




#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 11.41 min Scan# 2997  
 Delta R.T. 0.00 min  
 Lab File: VN058583.D  
 Acq: 7 Oct 2019 21:34

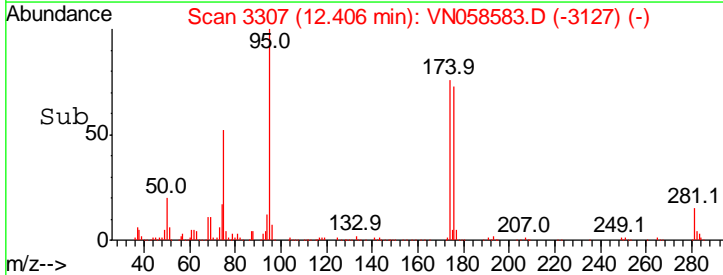
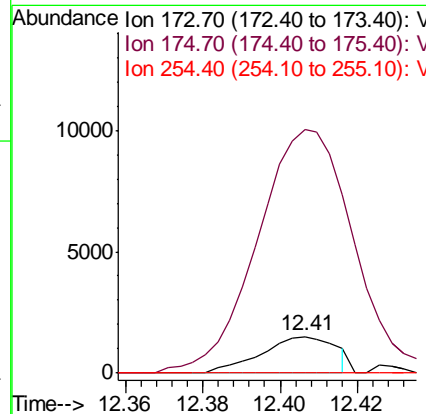
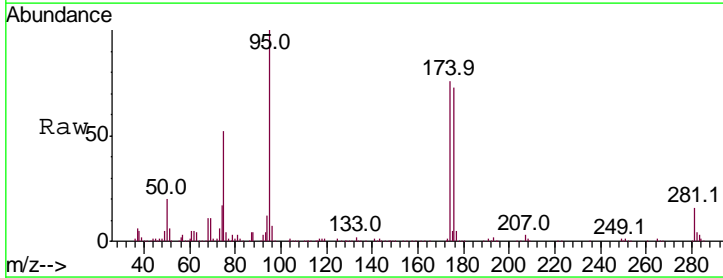
Instrument :  
 MSVOA\_N  
 ClientSampled :

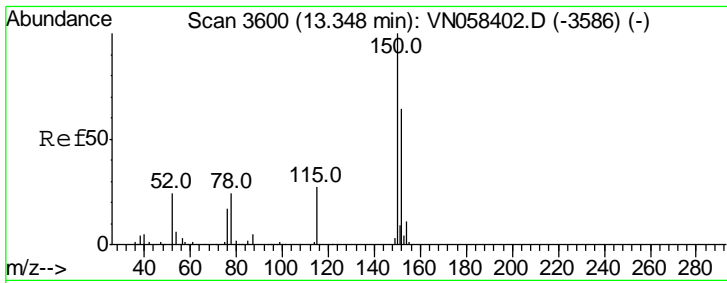
Tgt Ion	Resp	Lower	Upper
117	100		
82	58.2	47.4	71.0
119	31.7	25.5	38.3



#71  
 Bromoform  
 Concen: 1.357 ug/l  
 RT: 12.41 min Scan# 3307  
 Delta R.T. 0.28 min  
 Lab File: VN058583.D  
 Acq: 7 Oct 2019 21:34

Tgt Ion	Resp	Lower	Upper
173	100		
175	723.7	24.3	73.0#
254	0.0	0.1	0.1#

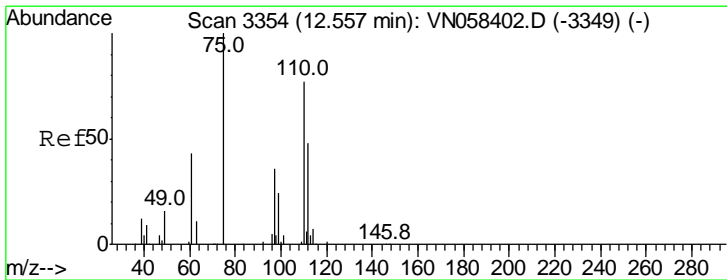
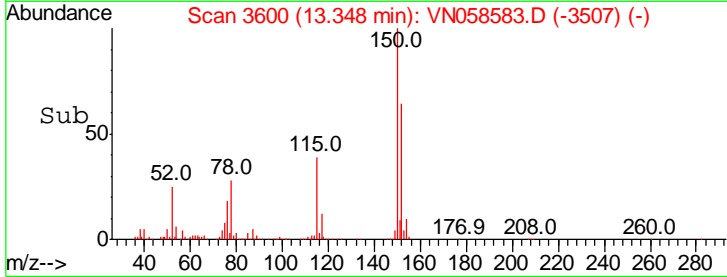
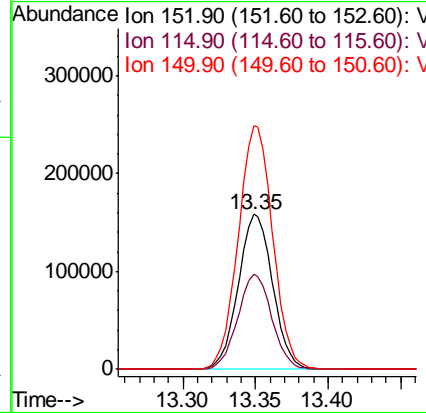
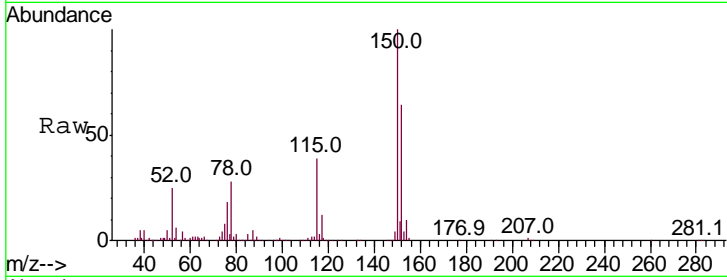




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.35 min Scan# 3600  
 Delta R.T. 0.00 min  
 Lab File: VN058583.D  
 Acq: 7 Oct 2019 21:34

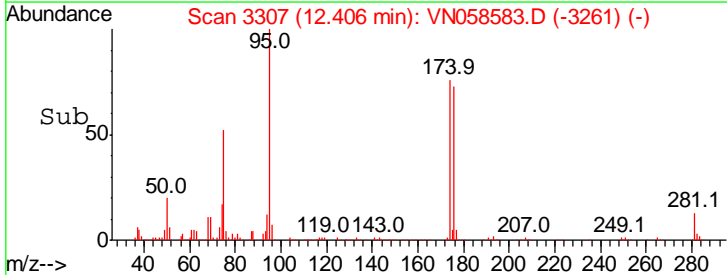
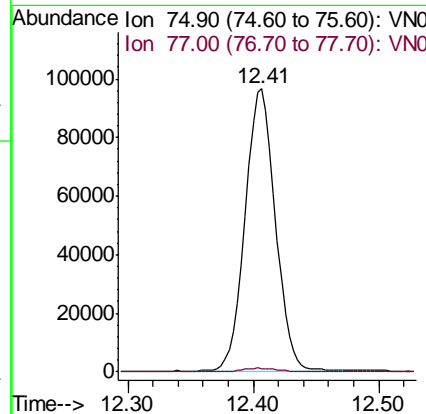
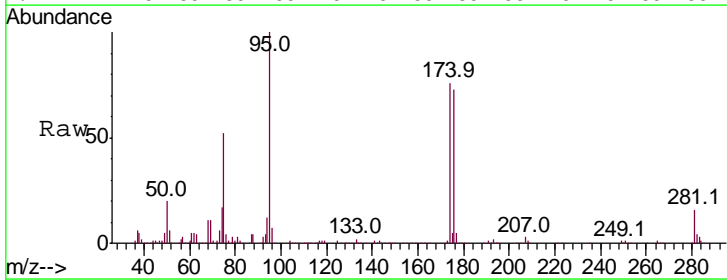
Instrument : MSVOA\_N  
 ClientSampled :

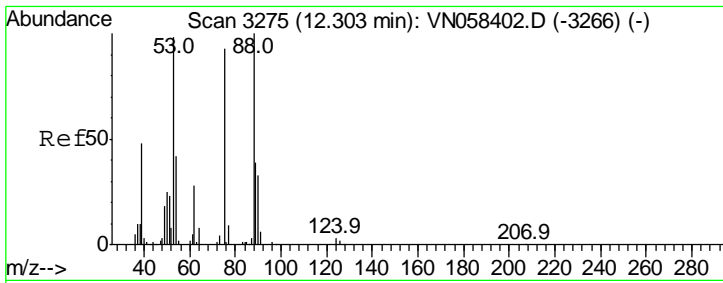
Tgt Ion	Resp	Lower	Upper
152	100		
115	60.9	30.0	90.0
150	158.3	0.0	348.2



#76  
 1,2,3-Trichloropropane  
 Concen: 33.982 ug/l  
 RT: 12.41 min Scan# 3307  
 Delta R.T. -0.15 min  
 Lab File: VN058583.D  
 Acq: 7 Oct 2019 21:34

Tgt Ion	Resp	Lower	Upper
75	100		
77	1.7	0.0	0.0#

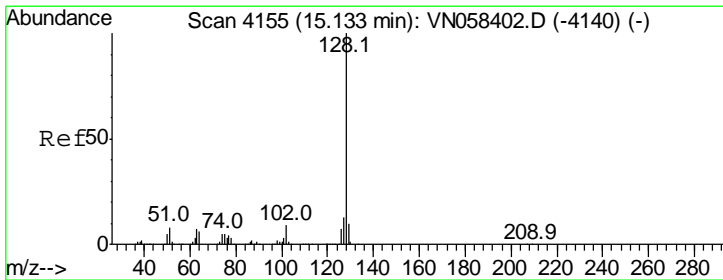
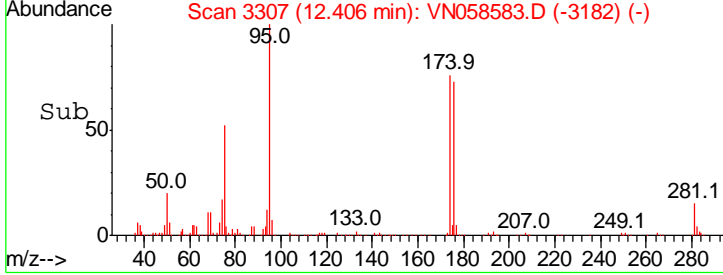
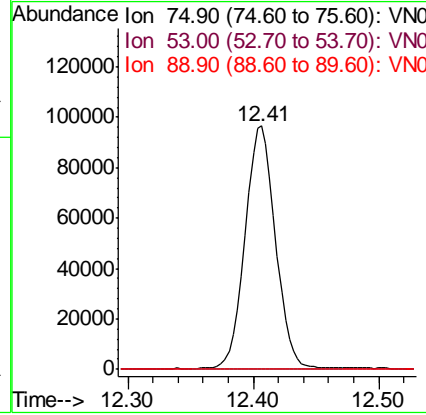
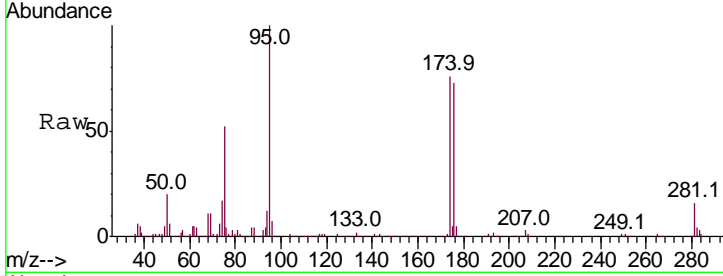




#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 103.207 ug/l  
 RT: 12.41 min Scan# 3307  
 Delta R.T. 0.10 min  
 Lab File: VN058583.D  
 Acq: 7 Oct 2019 21:34

Instrument :  
 MSVOA\_N  
 ClientSampled :

Tgt Ion	Resp	Lower	Upper
75	100		
53	0.0	85.4	128.0#
89	0.0	35.0	52.4#



#95  
 Naphthalene  
 Concen: 0.616 ug/l  
 RT: 15.14 min Scan# 4156  
 Delta R.T. 0.00 min  
 Lab File: VN058583.D  
 Acq: 7 Oct 2019 21:34

Tgt Ion	Resp	Lower	Upper
128	100		
127	12.0	10.2	15.4
129	4.5	8.3	12.5#

