

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122018\  
 Data File : VN053085.D  
 Acq On : 21 Dec 2018 4:49  
 Operator : MD\SY  
 Sample : J6517-08  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 46 Sample Multiplier: 28

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 T11-MW-9-9.0-121918

Quant Time: Dec 21 07:31:50 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N121818W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Dec 18 13:03:37 2018  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1252690	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1911204	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1698712	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	786105	50.00	ug/l	0.00

## System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	598531	47.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.16%	
35) Dibromofluoromethane	7.59	113	538325	61.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.32%	
50) Toluene-d8	10.09	98	2324208	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
62) 4-Bromofluorobenzene	12.40	95	794118	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	

## Target Compounds

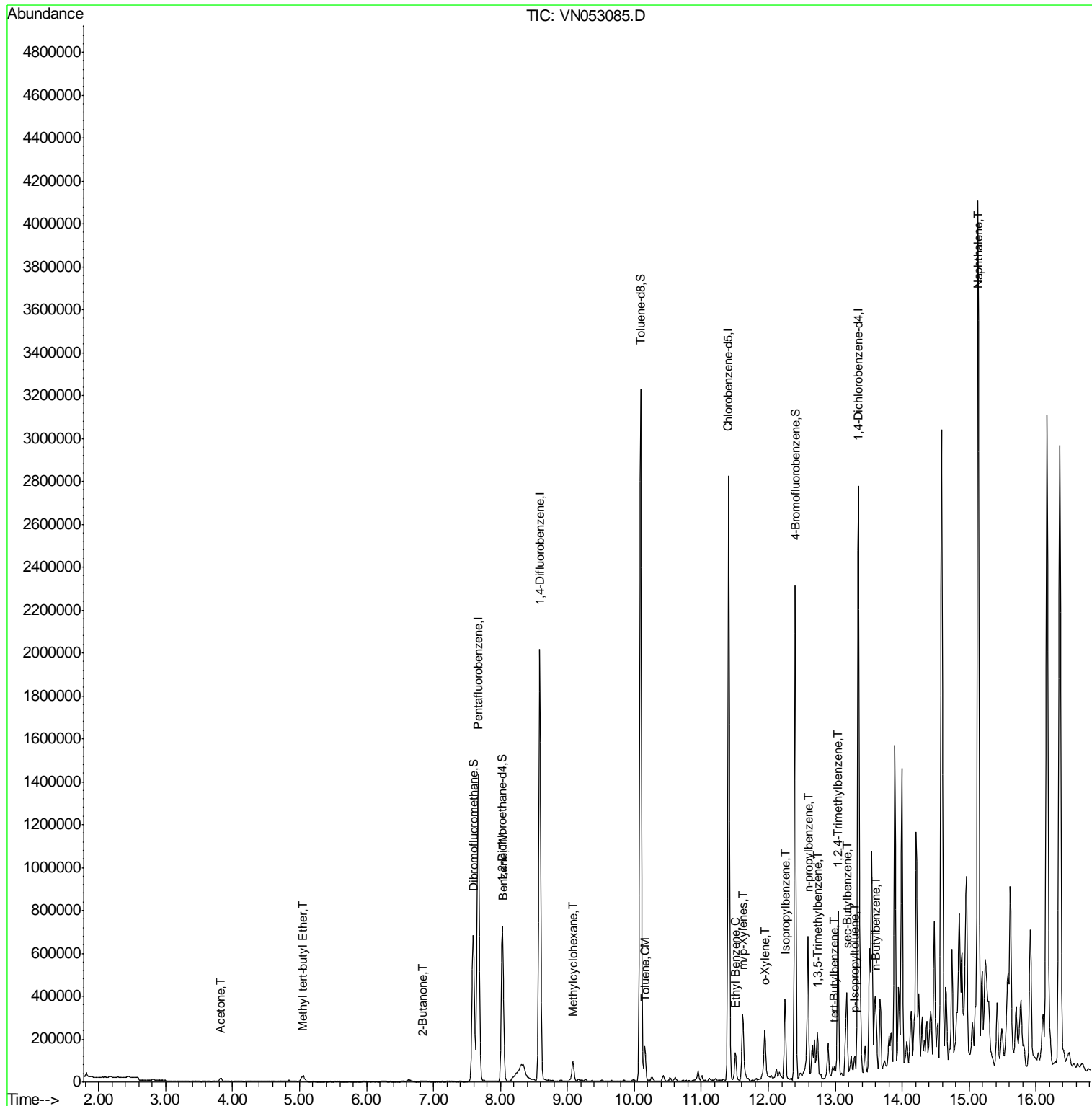
						Qvalue
16) Acetone	3.82	43	27732	11.126	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	46709	1.462	ug/l	92
25) 2-Butanone	6.84	43	6205	1.483	ug/l	96
39) Methylcyclohexane	9.08	83	42361	1.901	ug/l	98
40) Benzene	8.05	78	17283	0.317	ug/l	91
52) Toluene	10.16	92	71631	2.118	ug/l	97
67) Ethyl Benzene	11.51	91	83097	1.283	ug/l	96
68) m/p-Xylenes	11.62	106	102874	4.179	ug/l	100
69) o-Xylene	11.95	106	61192	2.590	ug/l	99
73) Isopropylbenzene	12.25	105	259674	4.222	ug/l	100
78) n-propylbenzene	12.59	91	523860	7.478	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	96643	1.928	ug/l	98
83) tert-Butylbenzene	12.99	119	24896	0.562	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	448622	8.902	ug/l	100
85) sec-Butylbenzene	13.17	105	263141	4.388	ug/l	83
86) p-Isopropyltoluene	13.29	119	46826	0.904	ug/l	100
89) n-Butylbenzene	13.62	91	156307	3.506	ug/l #	76
95) Naphthalene	15.13	128	3522588	112.504	ug/l	100

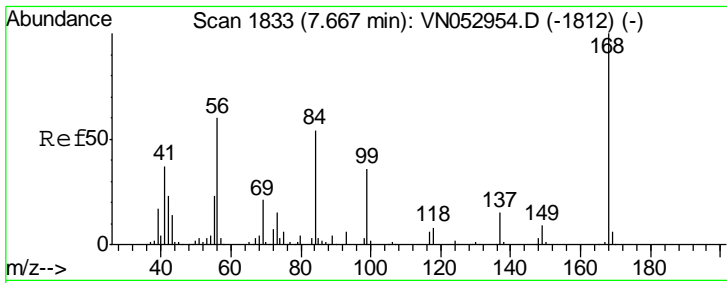
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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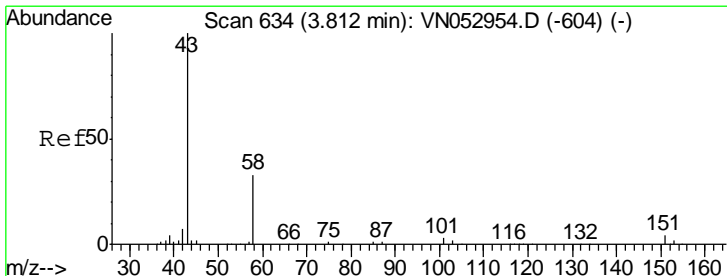
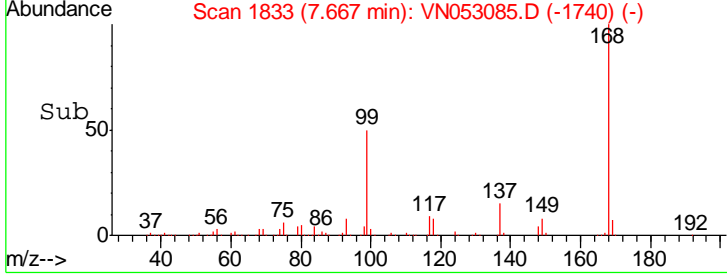
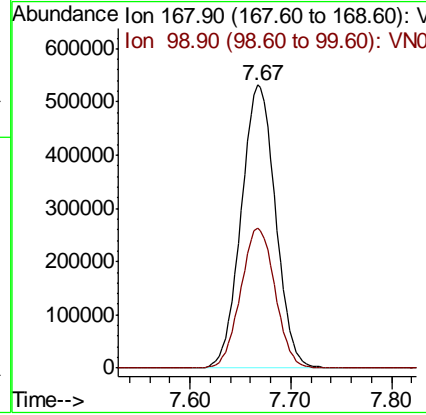
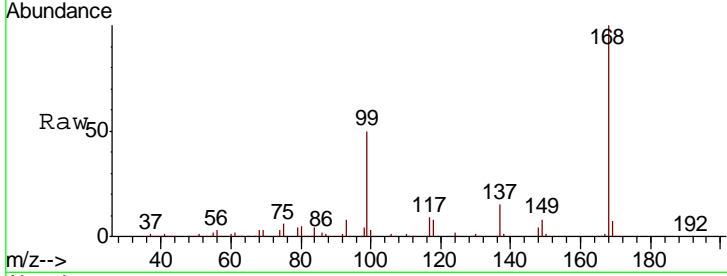




#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 7.67 min Scan# 1833  
 Delta R.T. 0.00 min  
 Lab File: VN053085.D  
 Acq: 21 Dec 2018 4:49

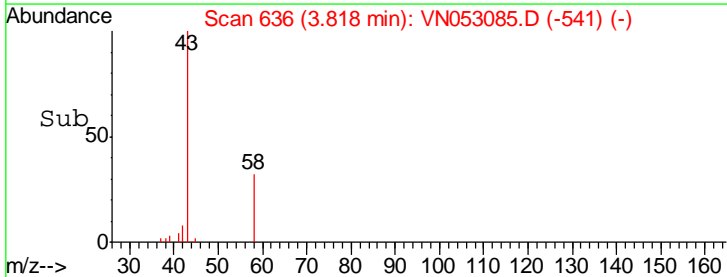
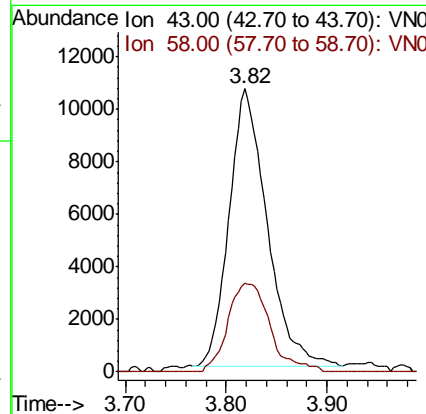
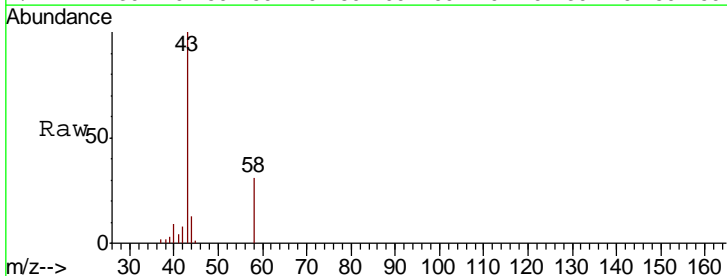
Instrument : MSVOA\_N  
 ClientSampleId : T11-MW-9-9.0-121918

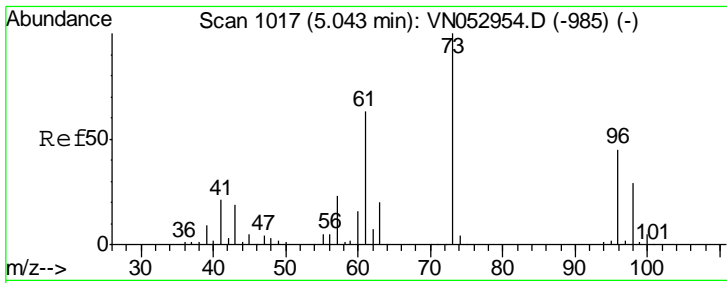
Tgt Ion	Resp	Lower	Upper
168	100		
99	49.5	40.2	60.2



#16  
 Acetone  
 Concen: 11.126 ug/l  
 RT: 3.82 min Scan# 636  
 Delta R.T. 0.01 min  
 Lab File: VN053085.D  
 Acq: 21 Dec 2018 4:49

Tgt Ion	Resp	Lower	Upper
43	100		
58	31.9	25.4	38.0

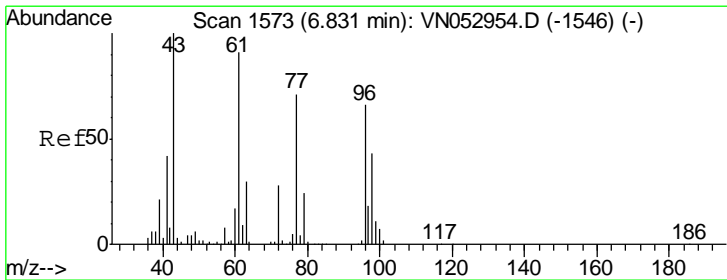
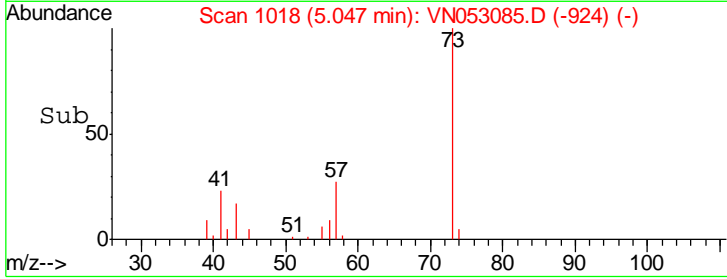
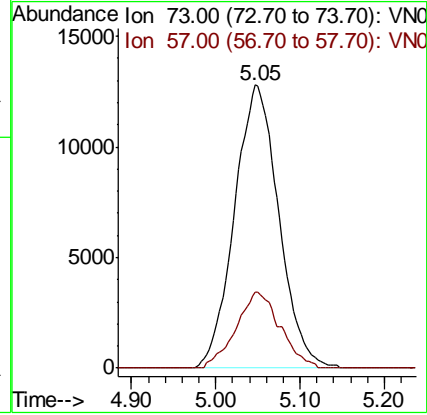
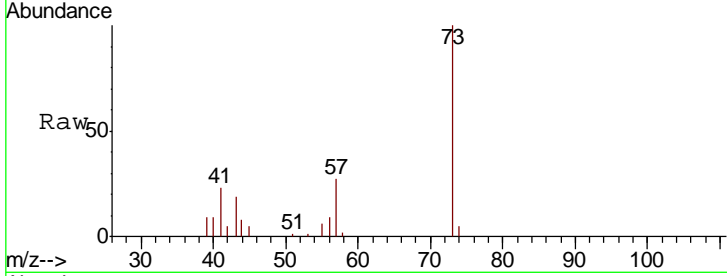




#19  
Methyl tert-butyl Ether  
Concen: 1.462 ug/l  
RT: 5.05 min Scan# 1018  
Delta R.T. 0.00 min  
Lab File: VN053085.D  
Acq: 21 Dec 2018 4:49

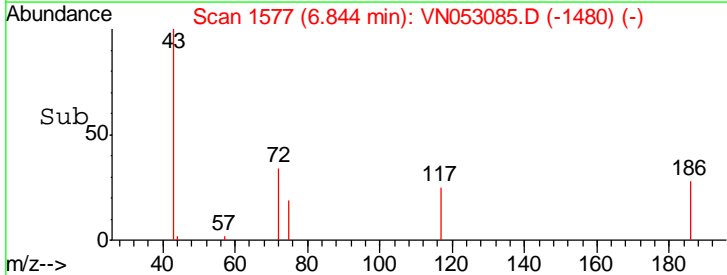
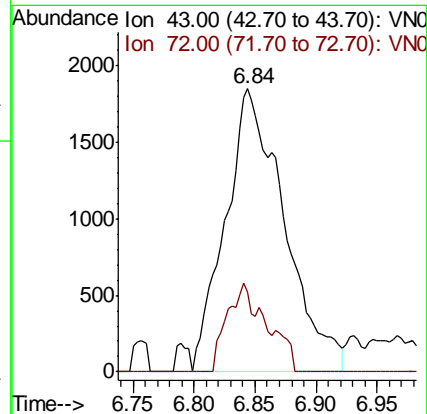
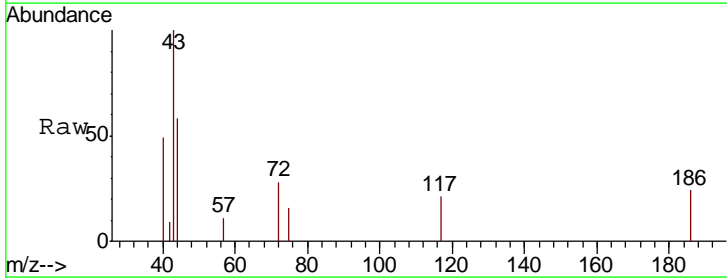
Instrument :  
MSVOA\_N  
ClientSampled :  
T11-MW-9-9.0-121918

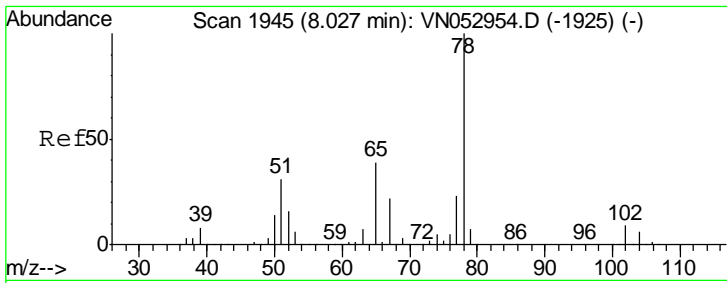
Tgt Ion: 73 Resp: 46709  
Ion Ratio Lower Upper  
73 100  
57 26.7 18.4 27.6



#25  
2-Butanone  
Concen: 1.483 ug/l  
RT: 6.84 min Scan# 1577  
Delta R.T. 0.01 min  
Lab File: VN053085.D  
Acq: 21 Dec 2018 4:49

Tgt Ion: 43 Resp: 6205  
Ion Ratio Lower Upper  
43 100  
72 28.4 21.0 31.6

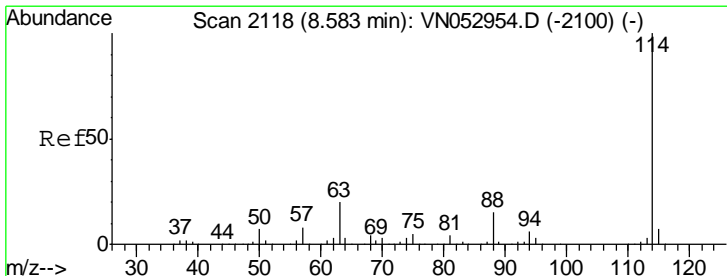
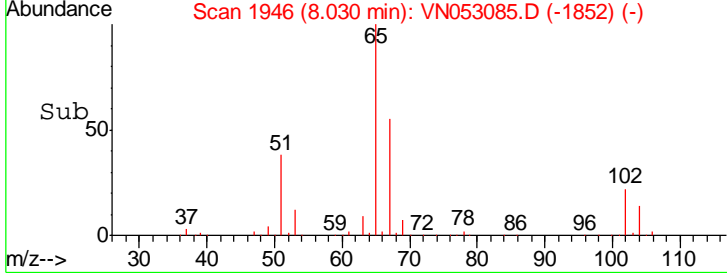
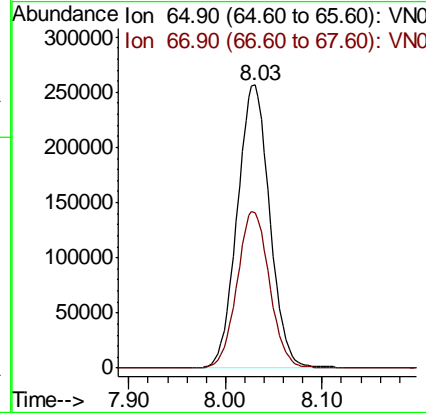
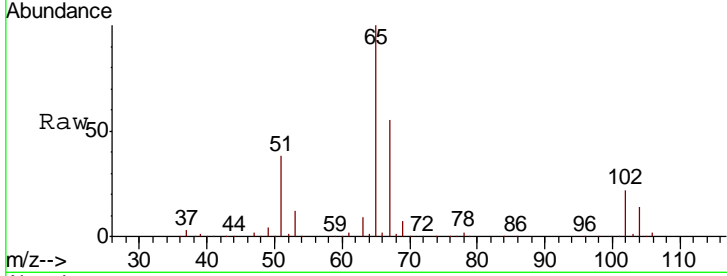




#33  
 1,2-Dichloroethane-d4  
 Concen: Below ug/l  
 RT: 8.03 min Scan# 1946  
 Delta R.T. 0.00 min  
 Lab File: VN053085.D  
 Acq: 21 Dec 2018 4:49

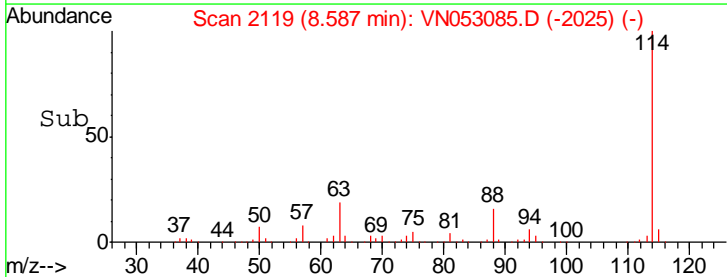
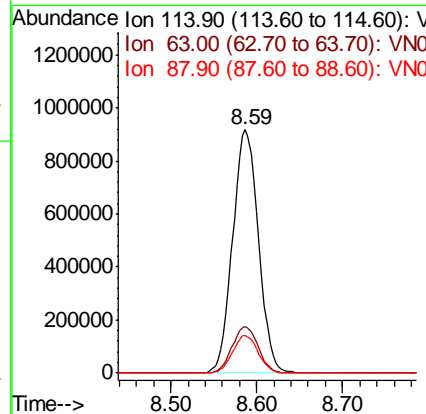
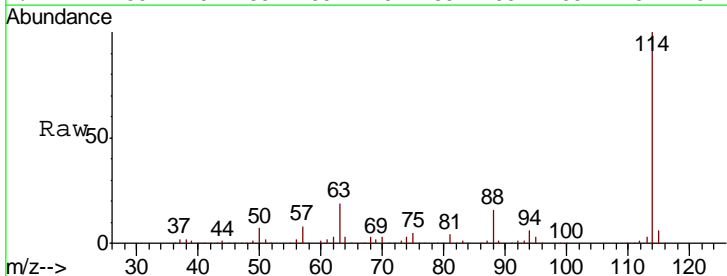
Instrument : MSVOA\_N  
 ClientSampleId : T11-MW-9-9.0-121918

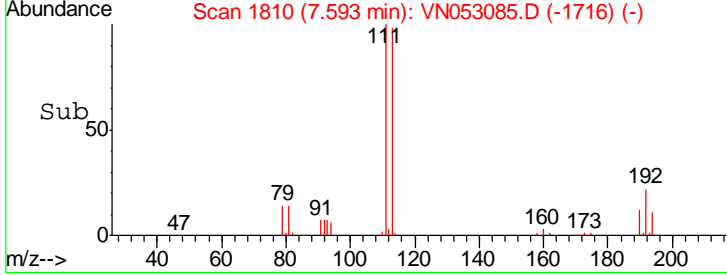
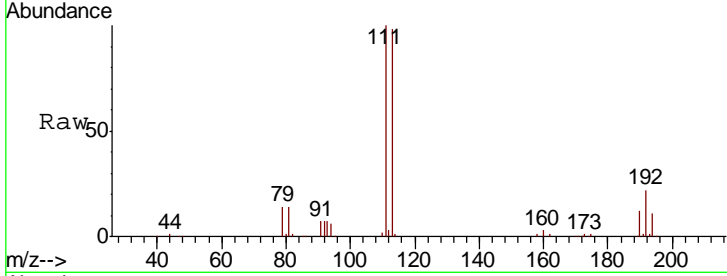
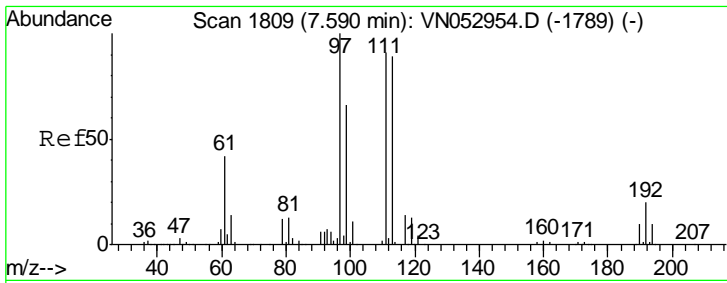
Tgt Ion	Resp	Lower	Upper
65	100		
67	55.3	0.0	110.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.59 min Scan# 2119  
 Delta R.T. 0.00 min  
 Lab File: VN053085.D  
 Acq: 21 Dec 2018 4:49

Tgt Ion	Resp	Lower	Upper
114	100		
63	19.3	0.0	39.8
88	15.7	0.0	31.0

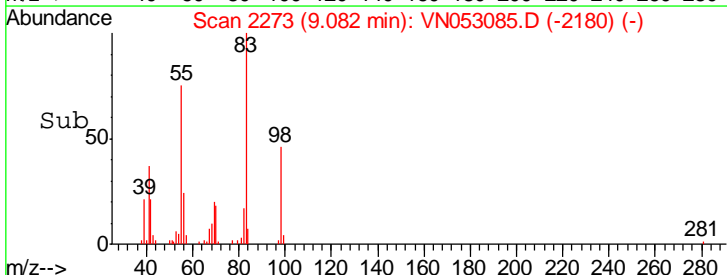
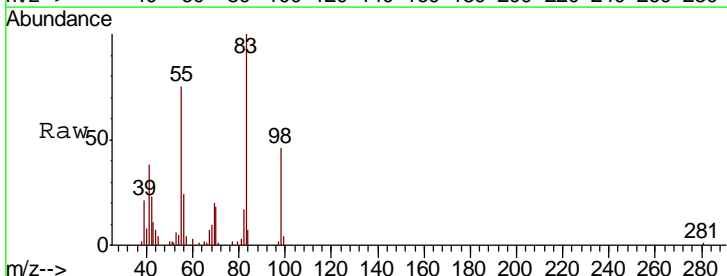
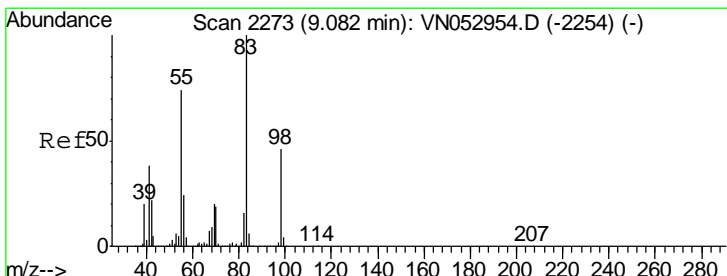
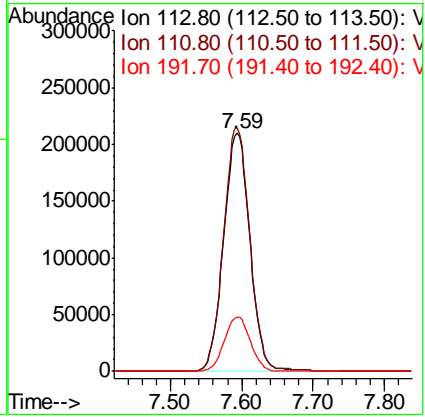




#35  
 Dibromofluoromethane  
 Concen: 50.000 ug/l  
 RT: 7.59 min Scan# 1810  
 Delta R.T. 0.00 min  
 Lab File: VN053085.D  
 Acq: 21 Dec 2018 4:49

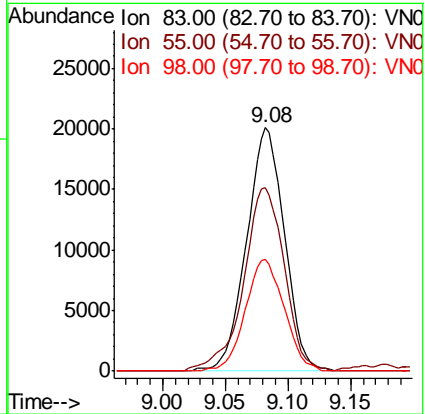
Tgt Ion	Resp	Lower	Upper
113	100		
111	102.5	83.0	124.4
192	22.7	17.5	26.3

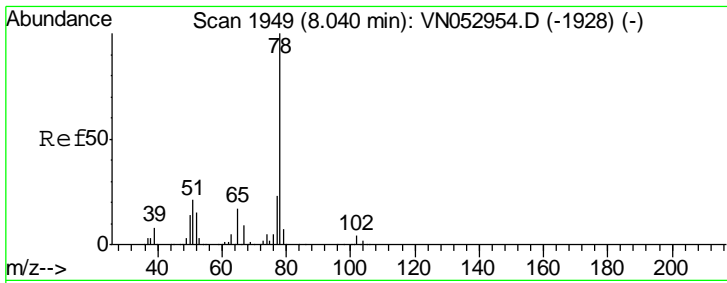
Instrument : MSVOA\_N  
 ClientSampled : T11-MW-9-9.0-121918



#39  
 Methylcyclohexane  
 Concen: 1.901 ug/l  
 RT: 9.08 min Scan# 2273  
 Delta R.T. 0.00 min  
 Lab File: VN053085.D  
 Acq: 21 Dec 2018 4:49

Tgt Ion	Resp	Lower	Upper
83	100		
55	74.6	61.3	91.9
98	45.8	37.0	55.4

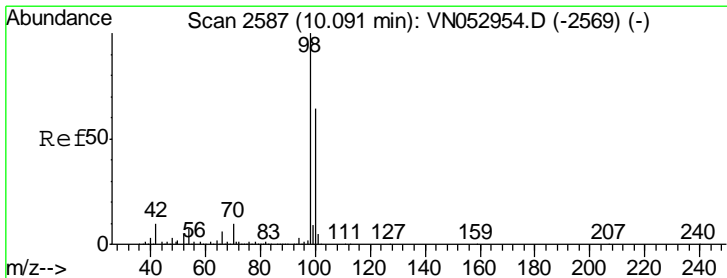
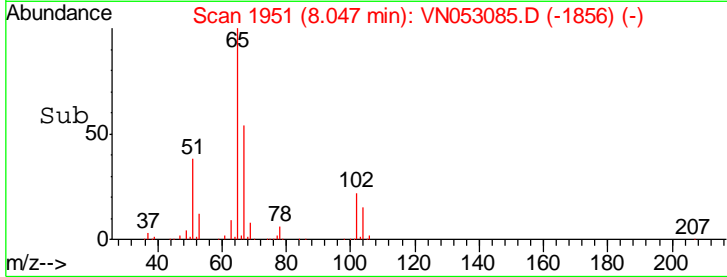
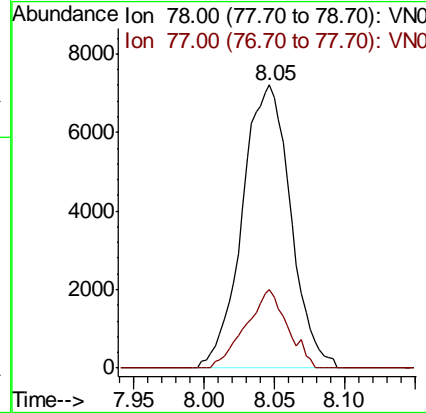
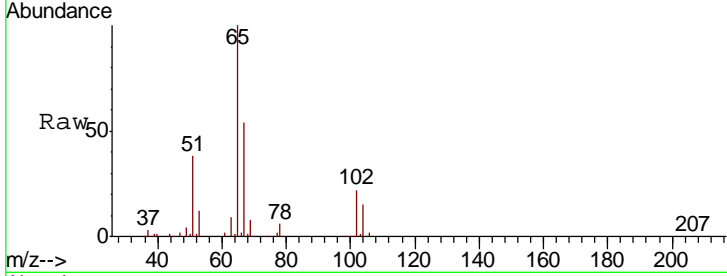




#40  
Benzene  
Concen: 0.317 ug/l  
RT: 8.05 min Scan# 1951  
Delta R.T. 0.01 min  
Lab File: VN053085.D  
Acq: 21 Dec 2018 4:49

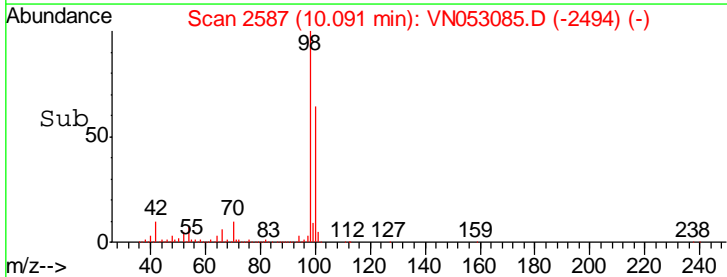
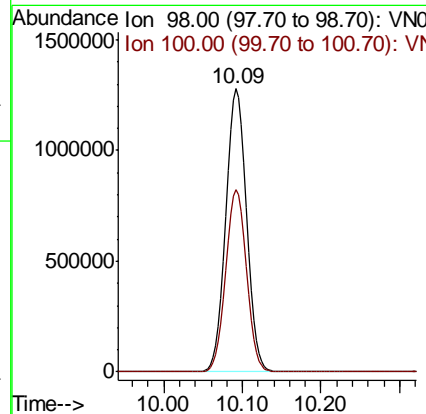
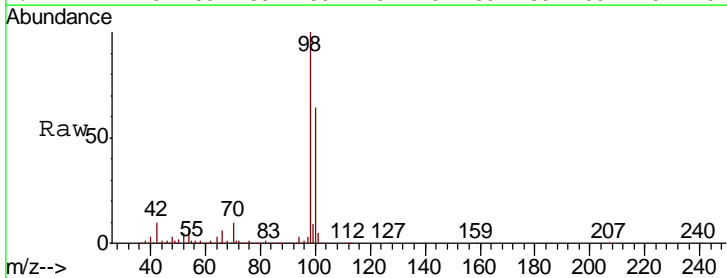
Instrument :  
MSVOA\_N  
ClientSampled :  
T11-MW-9-9.0-121918

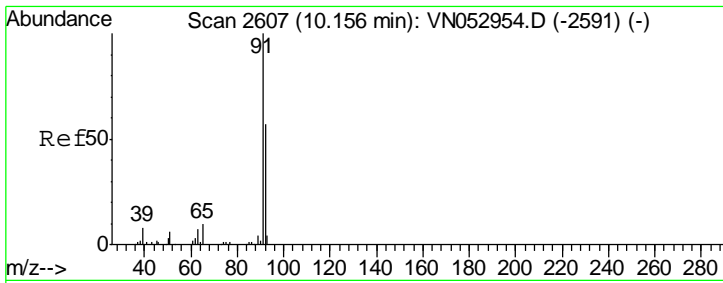
Tgt Ion: 78 Resp: 17283  
Ion Ratio Lower Upper  
78 100  
77 27.7 18.5 27.7



#50  
Toluene-d8  
Concen: N.D. ug/l  
RT: 10.09 min Scan# 2587  
Delta R.T. 0.00 min  
Lab File: VN053085.D  
Acq: 21 Dec 2018 4:49

Tgt Ion: 98 Resp: 2324208  
Ion Ratio Lower Upper  
98 100  
100 64.5 51.6 77.4

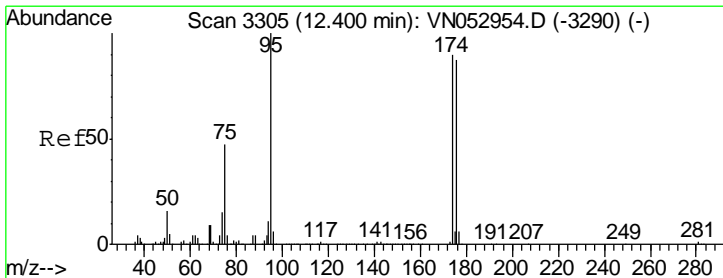
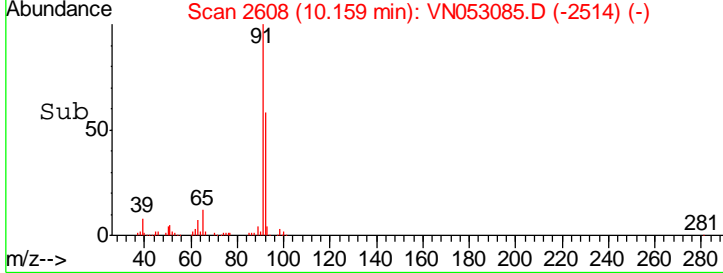
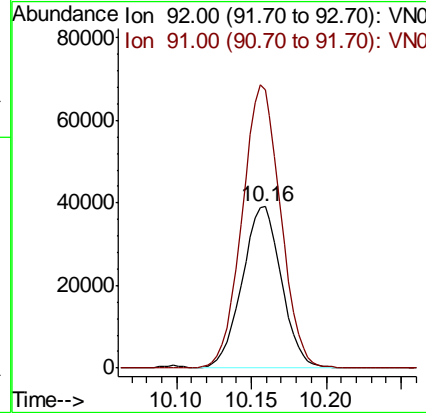
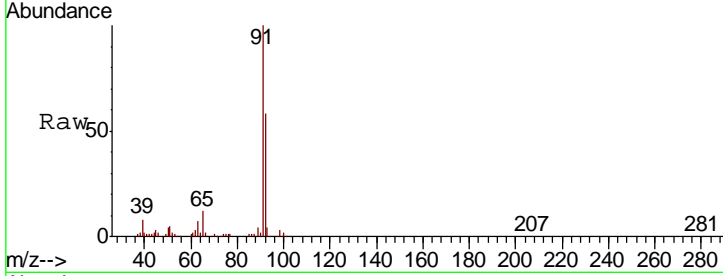




#52  
 Toluene  
 Concen: 2.118 ug/l  
 RT: 10.16 min Scan# 2608  
 Delta R.T. 0.00 min  
 Lab File: VN053085.D  
 Acq: 21 Dec 2018 4:49

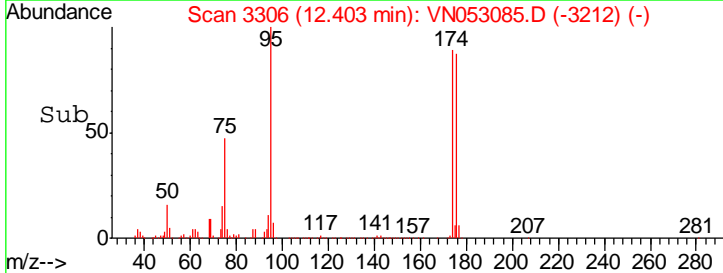
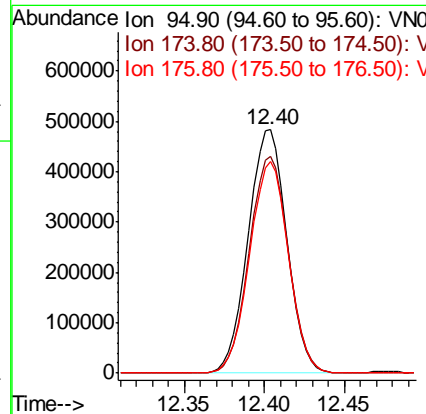
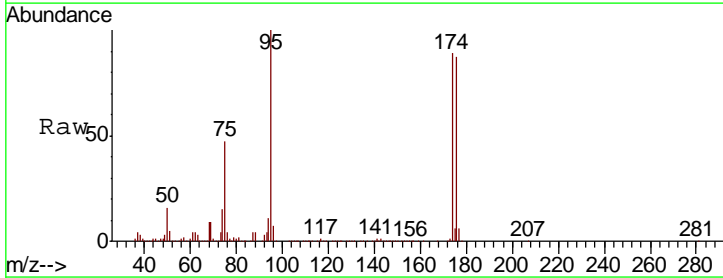
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 T11-MW-9-9.0-121918

Tgt Ion: 92 Resp: 71631  
 Ion Ratio Lower Upper  
 92 100  
 91 171.1 139.8 209.6

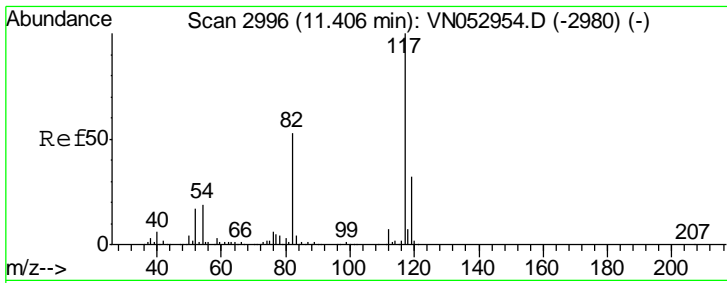


#62  
 4-Bromofluorobenzene  
 Concen: N.D. ug/l  
 RT: 12.40 min Scan# 3306  
 Delta R.T. 0.00 min  
 Lab File: VN053085.D  
 Acq: 21 Dec 2018 4:49

Tgt Ion: 95 Resp: 794118  
 Ion Ratio Lower Upper  
 95 100  
 174 90.1 0.0 178.8  
 176 87.6 0.0 173.8





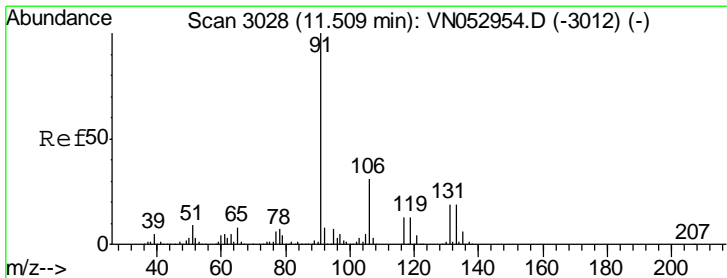
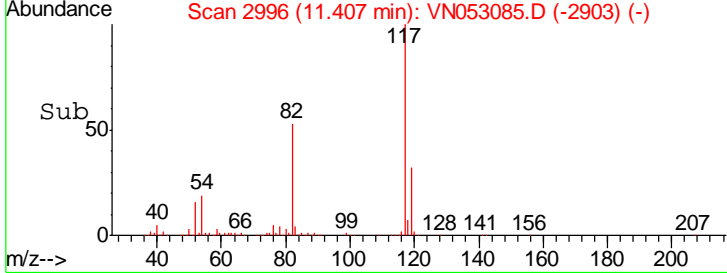
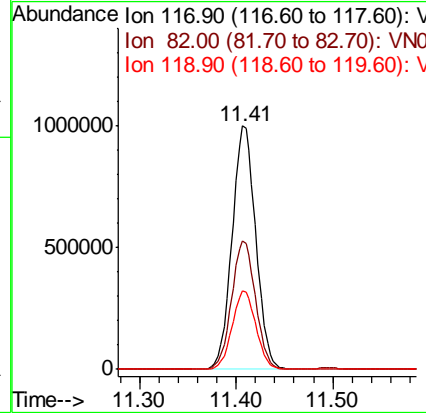
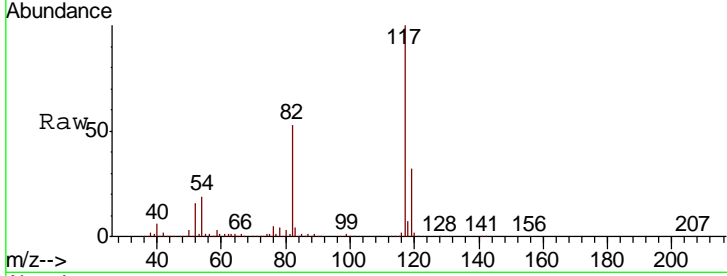


#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 11.41 min Scan# 2996  
 Delta R.T. 0.00 min  
 Lab File: VN053085.D  
 Acq: 21 Dec 2018 4:49

Instrument : MSVOA\_N  
 ClientSampled : T11-MW-9-9.0-121918

Tgt Ion: 117 Resp: 1698712

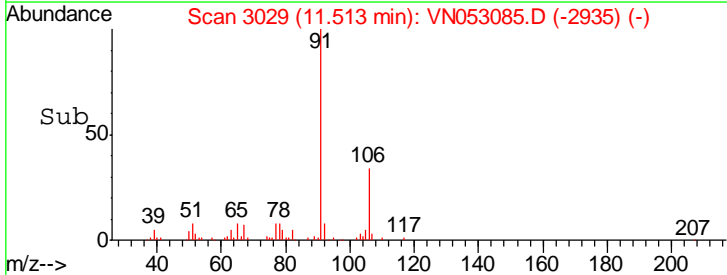
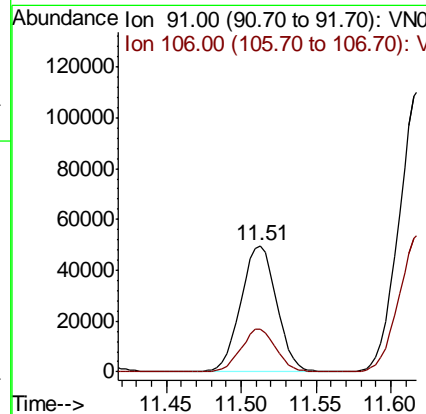
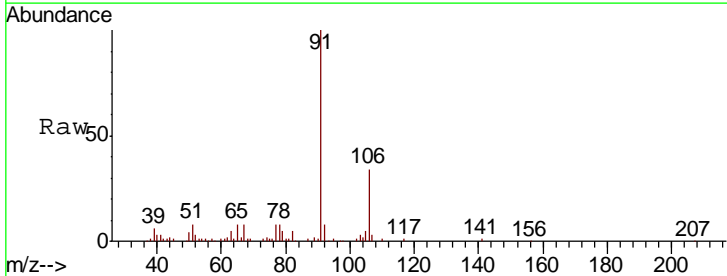
Ion	Ratio	Lower	Upper
117	100		
82	52.8	42.8	64.2
119	32.0	25.5	38.3

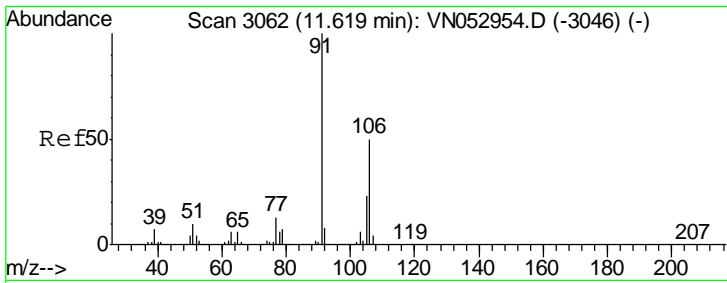


#67  
 Ethyl Benzene  
 Concen: 1.283 ug/l  
 RT: 11.51 min Scan# 3029  
 Delta R.T. 0.00 min  
 Lab File: VN053085.D  
 Acq: 21 Dec 2018 4:49

Tgt Ion: 91 Resp: 83097

Ion	Ratio	Lower	Upper
91	100		
106	33.5	24.9	37.3

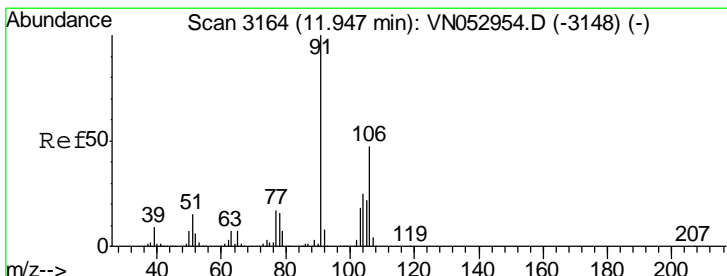
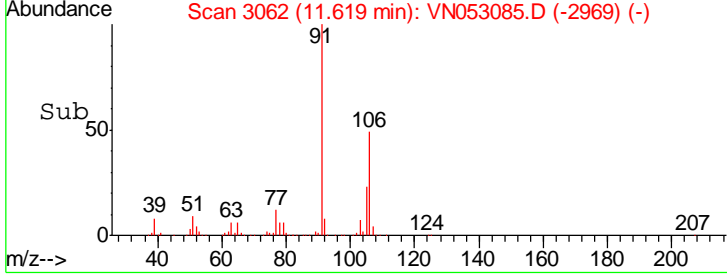
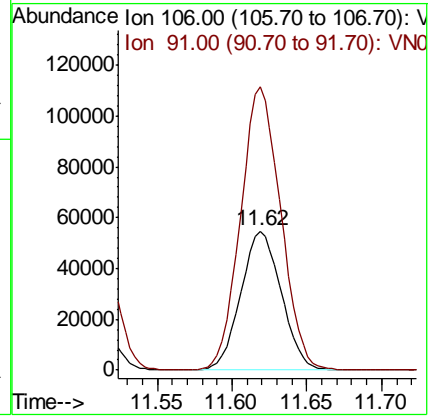
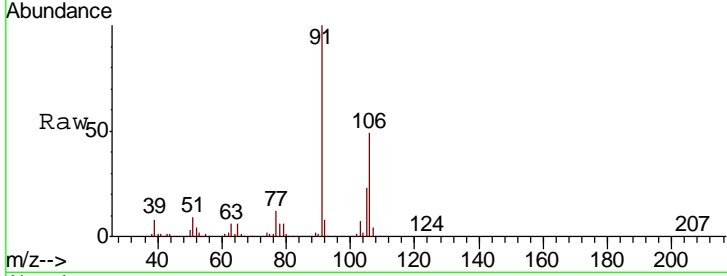




#68  
 m/p-Xylenes  
 Concen: 4.179 ug/l  
 RT: 11.62 min Scan# 3062  
 Delta R.T. 0.00 min  
 Lab File: VN053085.D  
 Acq: 21 Dec 2018 4:49

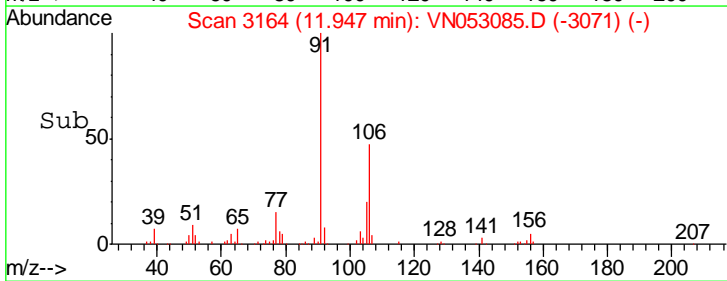
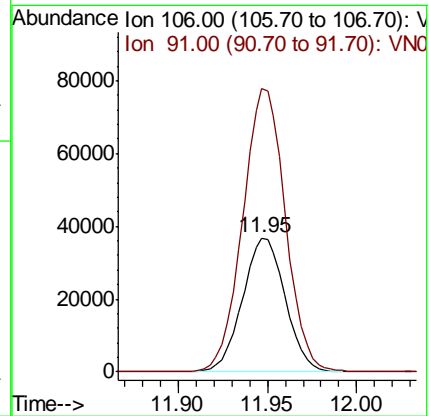
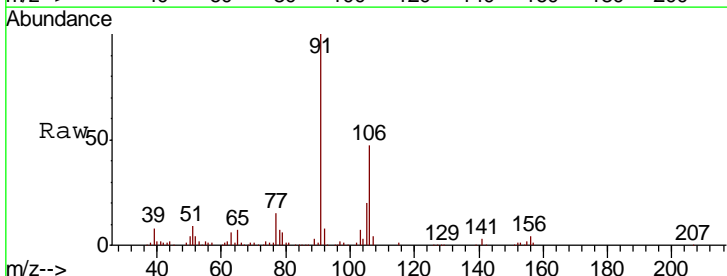
Instrument : MSVOA\_N  
 ClientSampled : T11-MW-9-9.0-121918

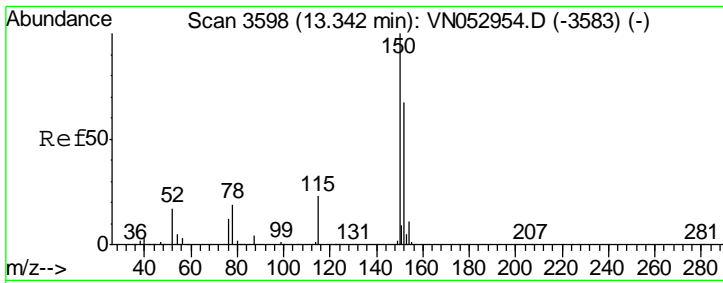
Tgt Ion	Resp	Lower	Upper
106	102874		
91	202.6	162.2	243.4



#69  
 o-Xylene  
 Concen: 2.590 ug/l  
 RT: 11.95 min Scan# 3164  
 Delta R.T. 0.00 min  
 Lab File: VN053085.D  
 Acq: 21 Dec 2018 4:49

Tgt Ion	Resp	Lower	Upper
106	61192		
91	211.8	106.6	319.8

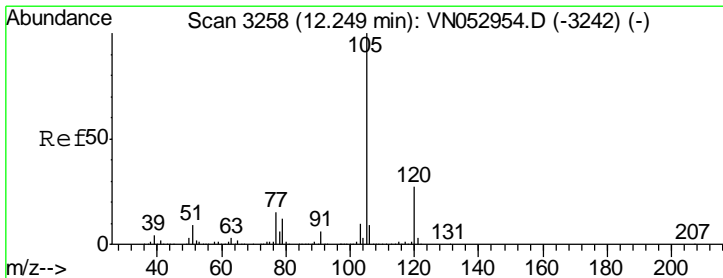
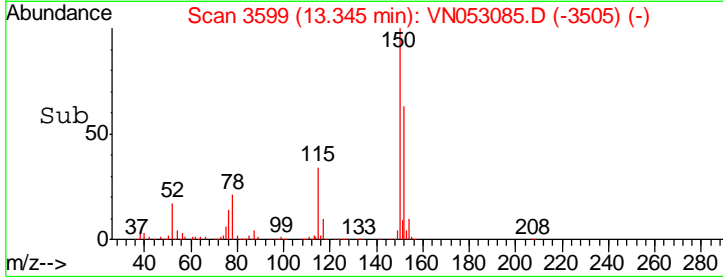
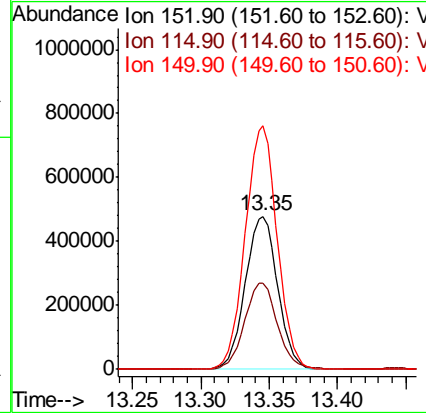
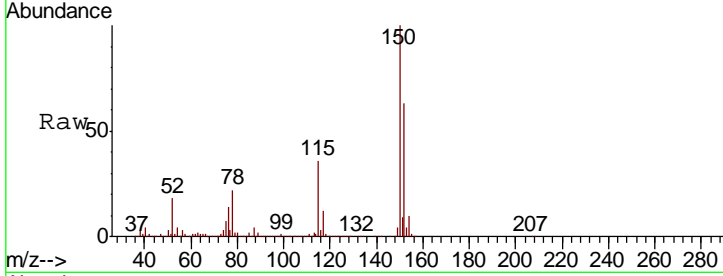




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.35 min Scan# 3599  
 Delta R.T. 0.00 min  
 Lab File: VN053085.D  
 Acq: 21 Dec 2018 4:49

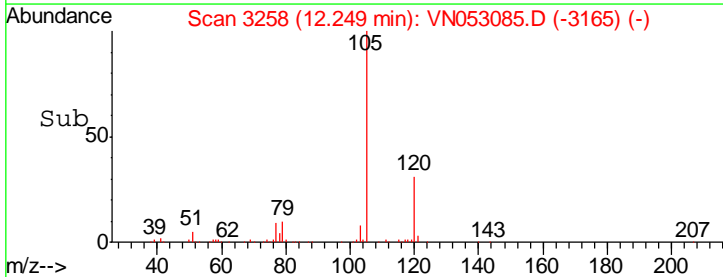
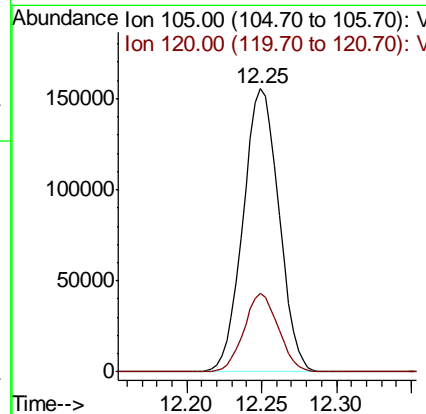
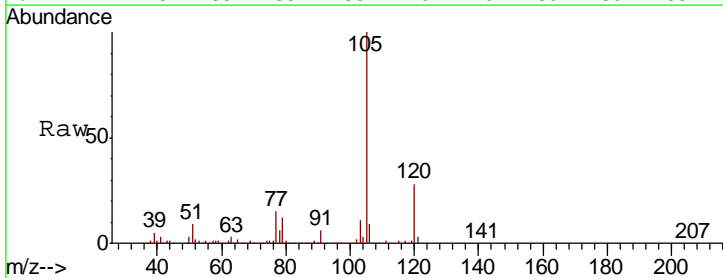
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 T11-MW-9-9.0-121918

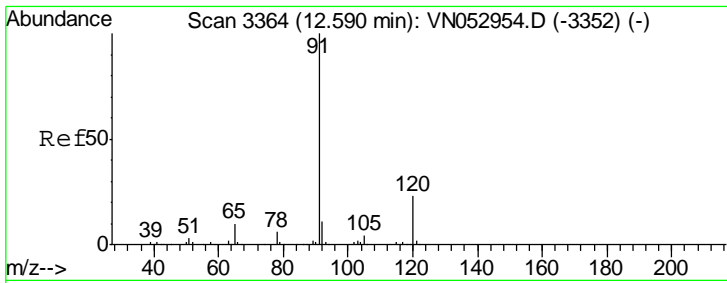
Tgt Ion	Resp	Lower	Upper
152	100		
115	56.6	28.3	85.0
150	157.0	0.0	347.8



#73  
 Isopropylbenzene  
 Concen: 4.222 ug/l  
 RT: 12.25 min Scan# 3258  
 Delta R.T. 0.00 min  
 Lab File: VN053085.D  
 Acq: 21 Dec 2018 4:49

Tgt Ion	Resp	Lower	Upper
105	100		
120	26.6	13.3	39.9

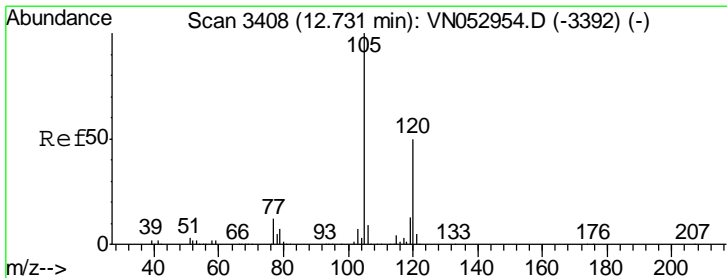
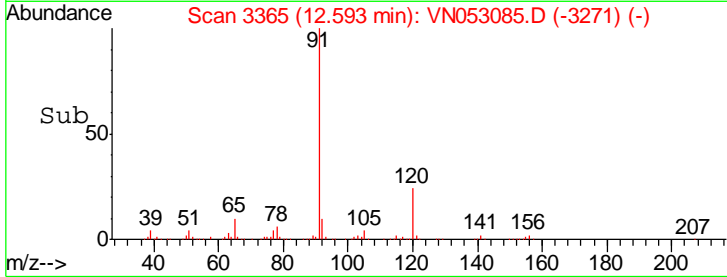
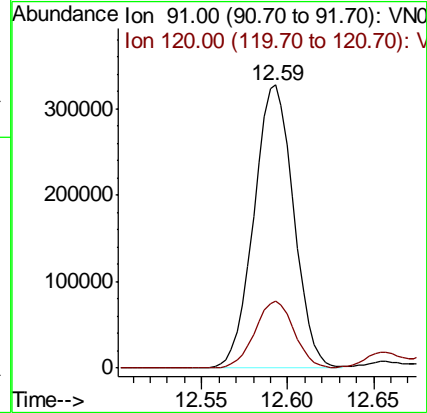
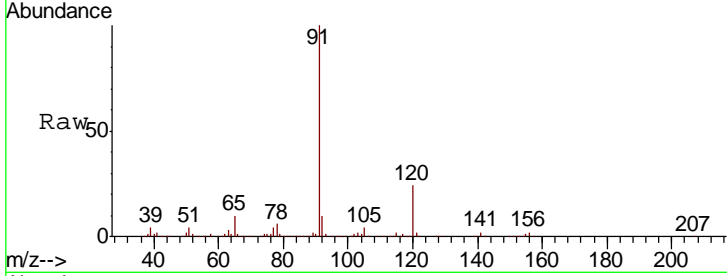




#78  
 n-propylbenzene  
 Concen: 7.478 ug/l  
 RT: 12.59 min Scan# 3365  
 Delta R.T. 0.00 min  
 Lab File: VN053085.D  
 Acq: 21 Dec 2018 4:49

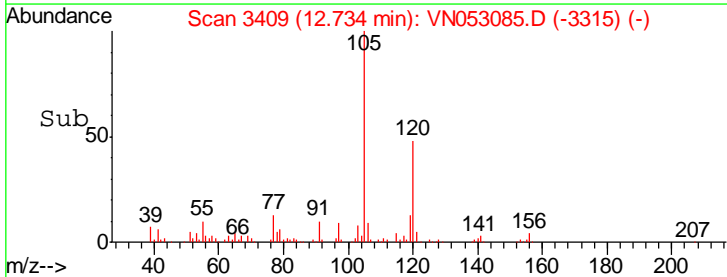
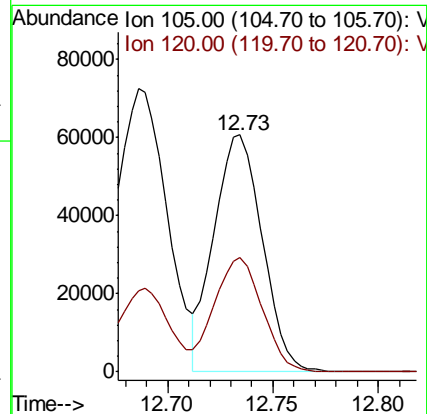
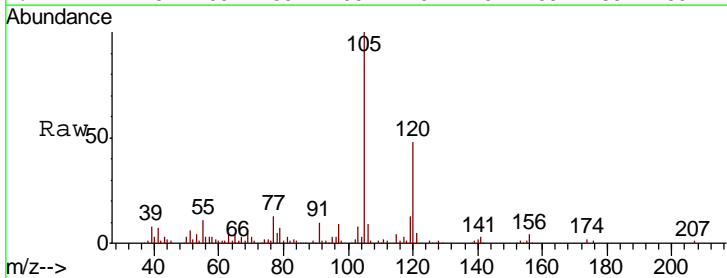
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 T11-MW-9-9.0-121918

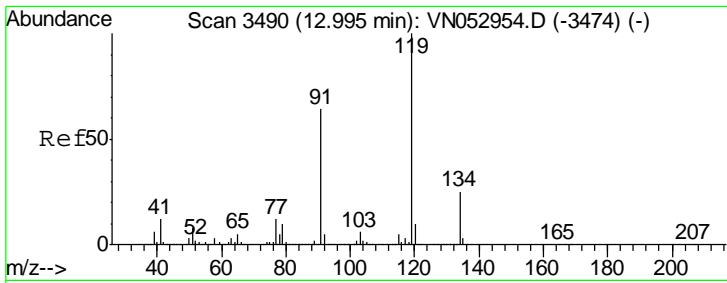
Tgt Ion	Resp	Lower	Upper
91	100		
120	23.4	11.5	34.5



#80  
 1,3,5-Trimethylbenzene  
 Concen: 1.928 ug/l  
 RT: 12.73 min Scan# 3409  
 Delta R.T. 0.00 min  
 Lab File: VN053085.D  
 Acq: 21 Dec 2018 4:49

Tgt Ion	Resp	Lower	Upper
105	100		
120	47.7	24.4	73.2

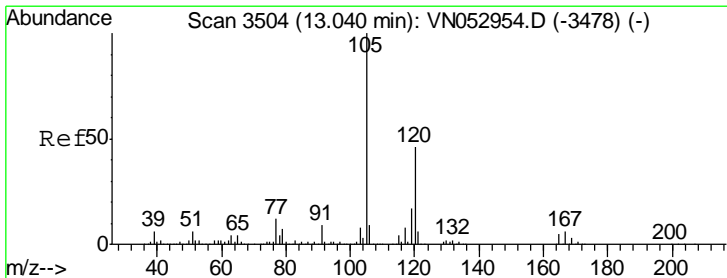
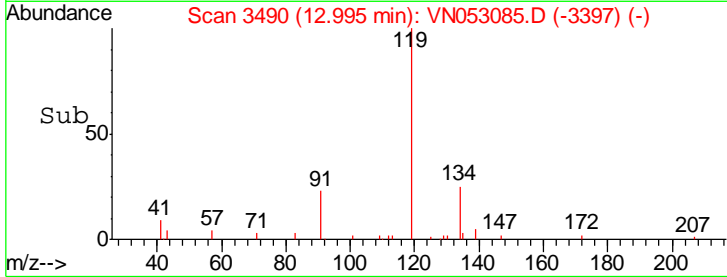
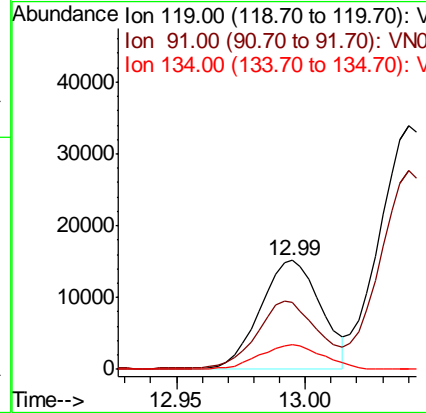
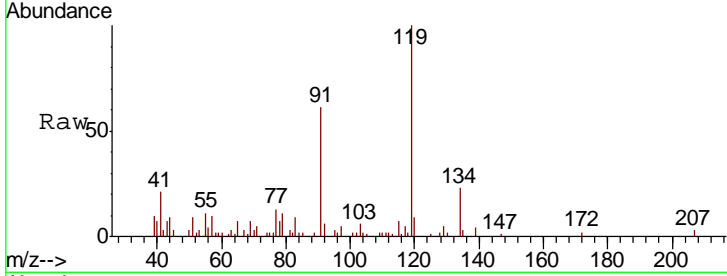




#83  
 tert-Butylbenzene  
 Concen: 0.562 ug/l  
 RT: 12.99 min Scan# 3490  
 Delta R.T. 0.00 min  
 Lab File: VN053085.D  
 Acq: 21 Dec 2018 4:49

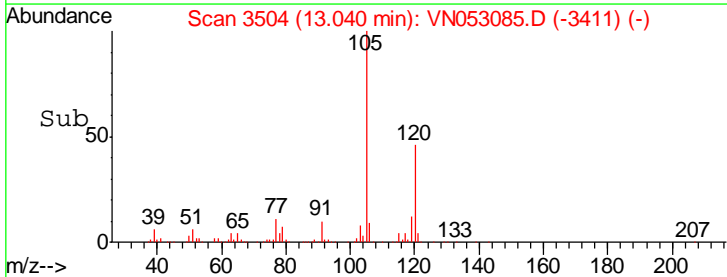
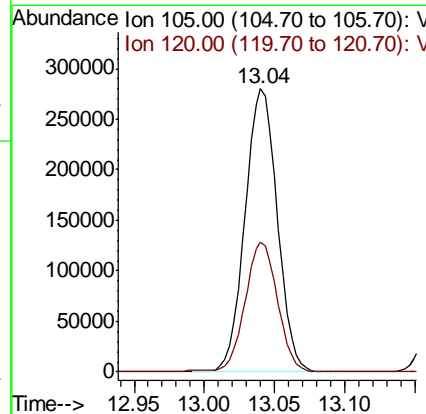
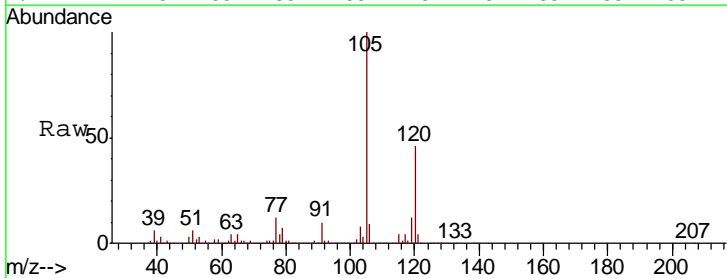
Instrument :  
 MSVOA\_N  
 ClientSampled :  
 T11-MW-9-9.0-121918

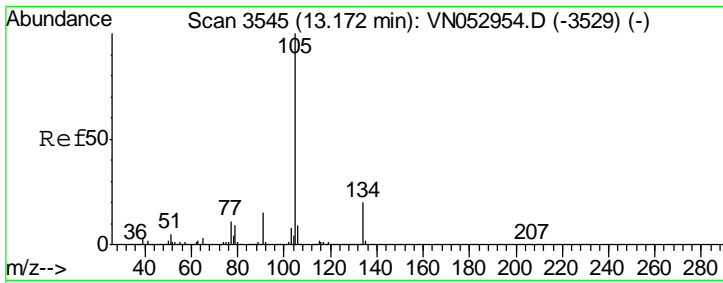
Tgt Ion	Resp	Lower	Upper
119	24896		
91	64.7	31.9	95.5
134	23.6	12.8	38.4



#84  
 1,2,4-Trimethylbenzene  
 Concen: 8.902 ug/l  
 RT: 13.04 min Scan# 3504  
 Delta R.T. 0.00 min  
 Lab File: VN053085.D  
 Acq: 21 Dec 2018 4:49

Tgt Ion	Resp	Lower	Upper
105	448622		
120	45.9	22.9	68.8

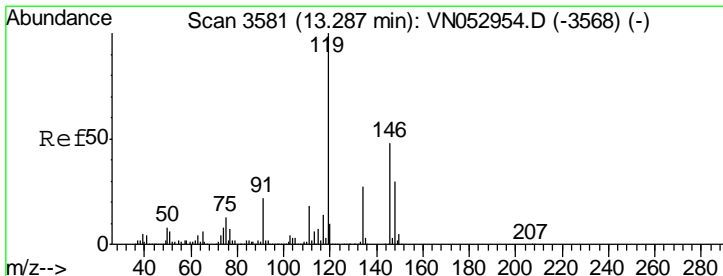
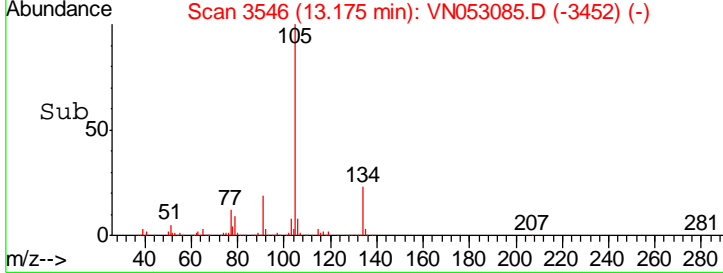
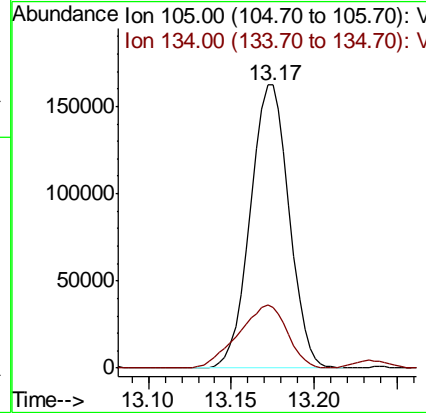
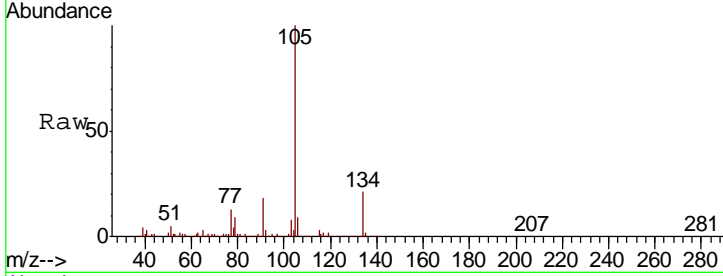




#85  
 sec-Butylbenzene  
 Concen: 4.388 ug/l  
 RT: 13.17 min Scan# 3546  
 Delta R.T. 0.00 min  
 Lab File: VN053085.D  
 Acq: 21 Dec 2018 4:49

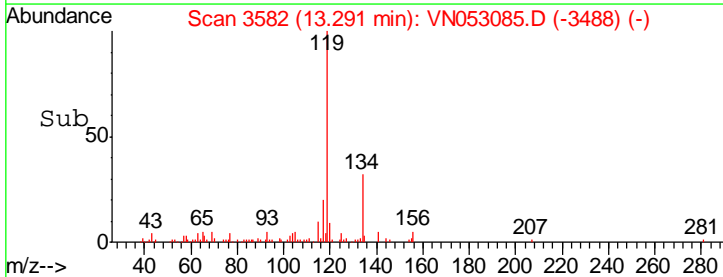
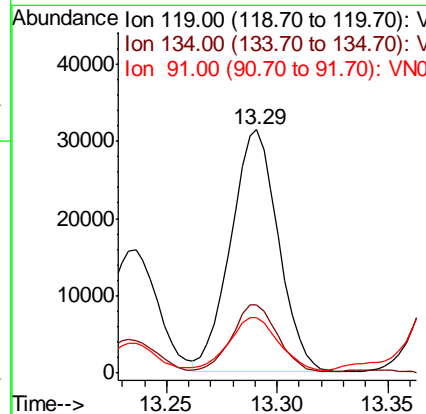
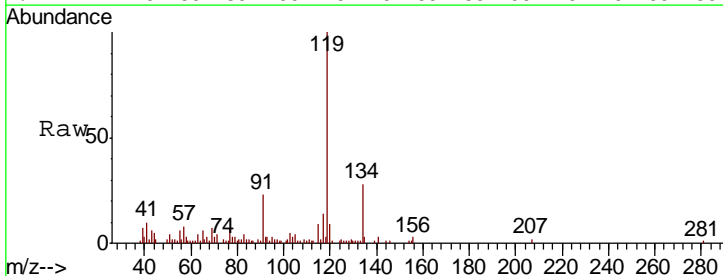
Instrument : MSVOA\_N  
 ClientSampled : T11-MW-9-9.0-121918

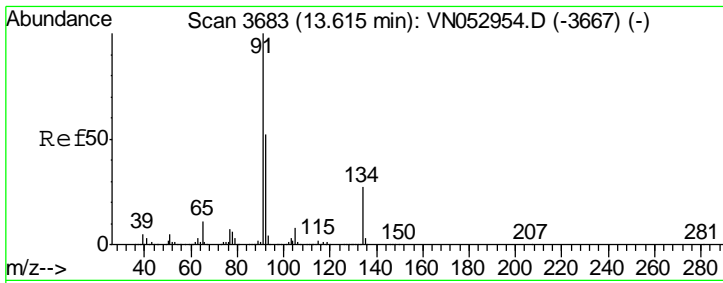
Tgt Ion	Resp	Lower	Upper
105	100		
134	28.2	10.1	30.3



#86  
 p-Isopropyltoluene  
 Concen: 0.904 ug/l  
 RT: 13.29 min Scan# 3582  
 Delta R.T. 0.00 min  
 Lab File: VN053085.D  
 Acq: 21 Dec 2018 4:49

Tgt Ion	Resp	Lower	Upper
119	100		
134	26.5	13.4	40.2
91	22.2	11.1	33.3

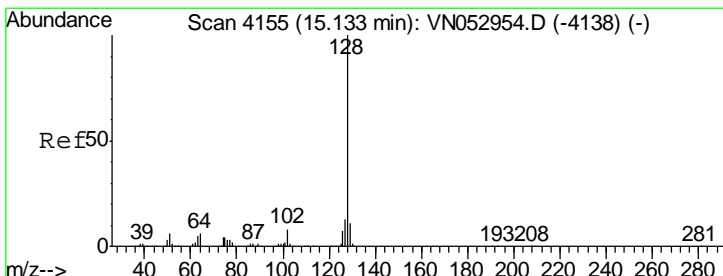
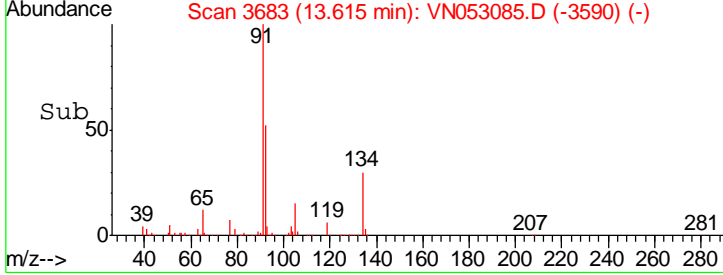
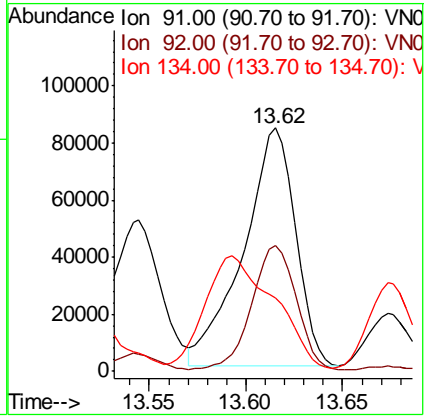
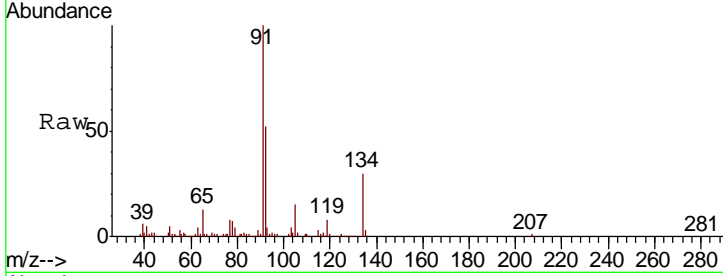




#89  
 n-Butylbenzene  
 Concen: 3.506 ug/l  
 RT: 13.62 min Scan# 3683  
 Delta R.T. 0.00 min  
 Lab File: VN053085.D  
 Acq: 21 Dec 2018 4:49

Instrument : MSVOA\_N  
 ClientSampled : T11-MW-9-9.0-121918

Tgt Ion	Resp	Lower	Upper
91	156307		
92	45.1	26.3	78.9
134	0.0	13.3	39.8#



#95  
 Naphthalene  
 Concen: 112.504 ug/l  
 RT: 15.13 min Scan# 4155  
 Delta R.T. 0.00 min  
 Lab File: VN053085.D  
 Acq: 21 Dec 2018 4:49

Tgt Ion	Resp	Lower	Upper
128	3522588		
127	12.6	10.2	15.4
129	10.7	8.6	13.0

