

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101018\  
 Data File : VW005957.D  
 Acq On : 10 Oct 2018 00:05  
 Operator : SY/AP  
 Sample : J5324-01RE  
 Misc : 4.98G/5ML/MSVOA W/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 OILY-DEBRISRE

Quant Time: Oct 10 01:34:56 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W100818S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 09 02:14:04 2018  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	171564	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	301726	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	175619	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	39231	50.00	ug/l	0.00

## System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	123556	74.19	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	148.38%	
35) Dibromofluoromethane	7.88	113	111838	58.06	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	116.12%	
50) Toluene-d8	10.33	98	299372	40.39	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	80.78%	
62) 4-Bromofluorobenzene	12.62	95	65545	23.24	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	46.48%	

## Target Compounds

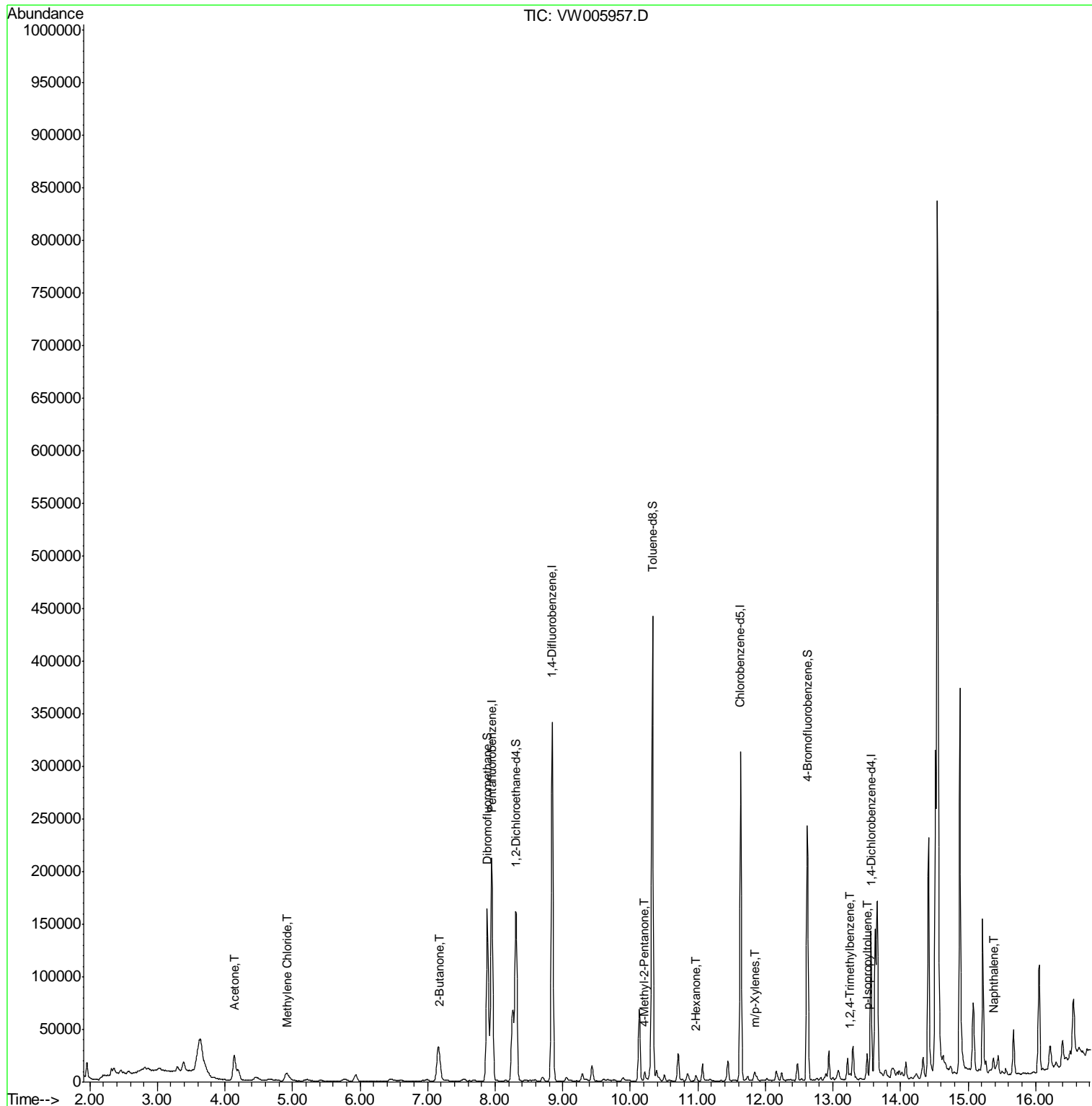
						Qvalue
16) Acetone	4.14	43	45404	136.483	ug/l	100
20) Methylene Chloride	4.91	84	6773	4.064	ug/l #	89
25) 2-Butanone	7.18	43	17863	37.752	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	5802	4.659	ug/l	94
59) 2-Hexanone	10.97	43	3726	4.173	ug/l	92
68) m/p-Xylenes	11.84	106	2771	1.067	ug/l	90
84) 1,2,4-Trimethylbenzene	13.26	105	3379	1.385	ug/l	98
86) p-Isopropyltoluene	13.51	119	9995	3.680	ug/l	98
95) Naphthalene	15.38	128	12270	7.668	ug/l	99

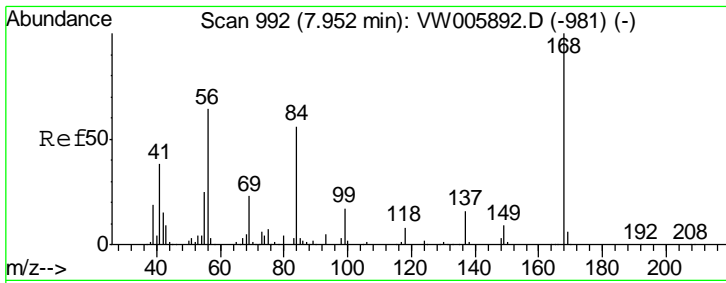
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 Client Sampled :  
 OILY-DEBRISRE

Quant Time: Oct 10 01:34:56 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W100818S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Oct 09 02:14:04 2018  
 Response via : Initial Calibration

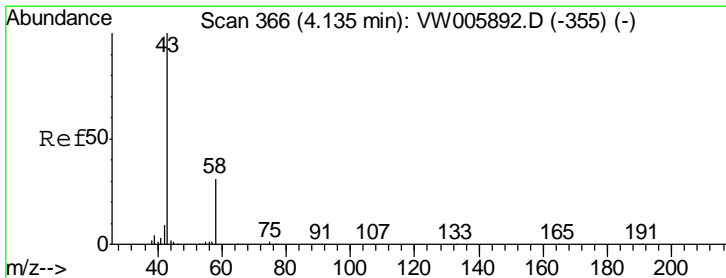
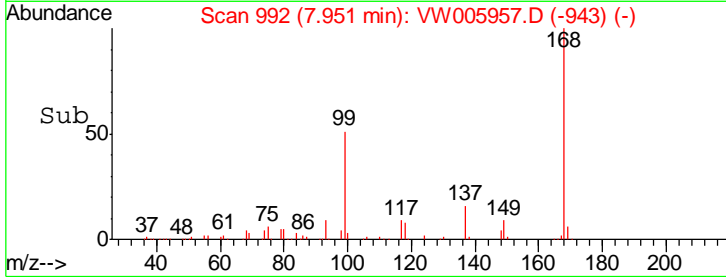
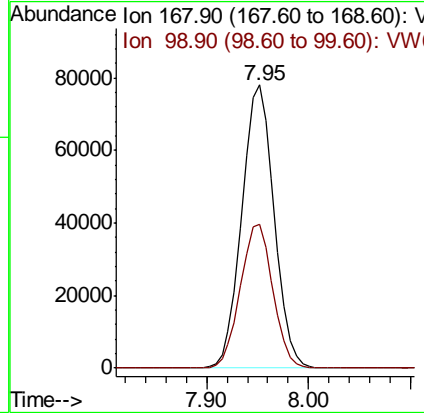
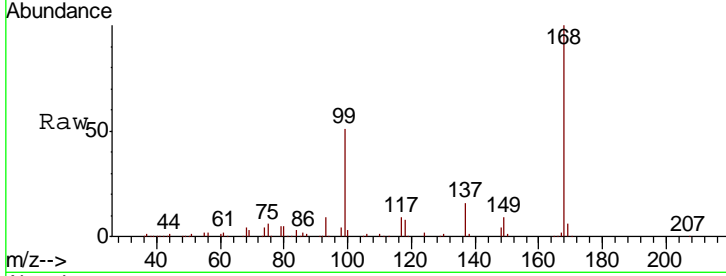




#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 7.95 min Scan# 992  
 Delta R.T. -0.00 min  
 Lab File: VW005957.D  
 Acq: 10 Oct 2018 00:05

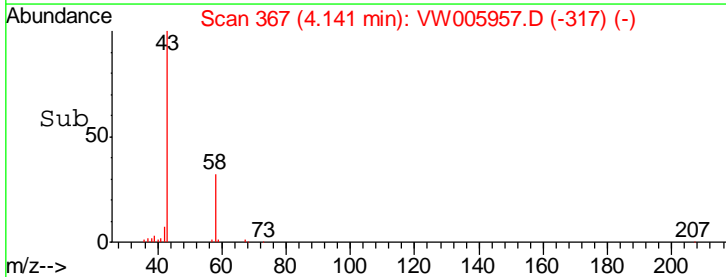
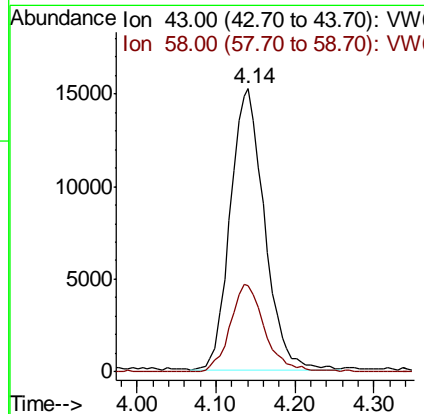
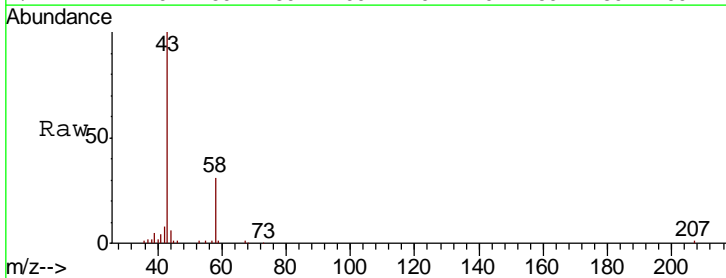
**Instrument :**  
 MSVOA\_W  
**ClientSampled :**  
 OILY-DEBRISRE

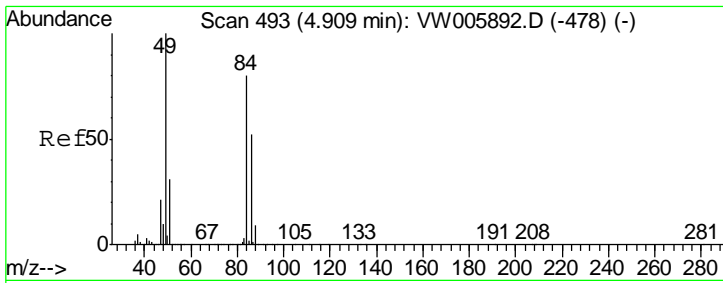
Tgt Ion: 168 Resp: 171564  
 Ion Ratio Lower Upper  
 168 100  
 99 51.0 40.9 61.3



#16  
 Acetone  
 Concen: 136.483 ug/l  
 RT: 4.14 min Scan# 367  
 Delta R.T. 0.01 min  
 Lab File: VW005957.D  
 Acq: 10 Oct 2018 00:05

Tgt Ion: 43 Resp: 45404  
 Ion Ratio Lower Upper  
 43 100  
 58 30.9 24.7 37.1

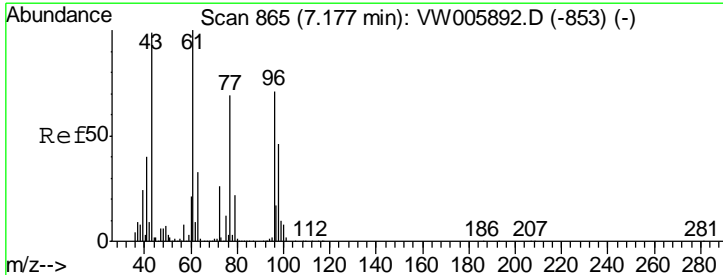
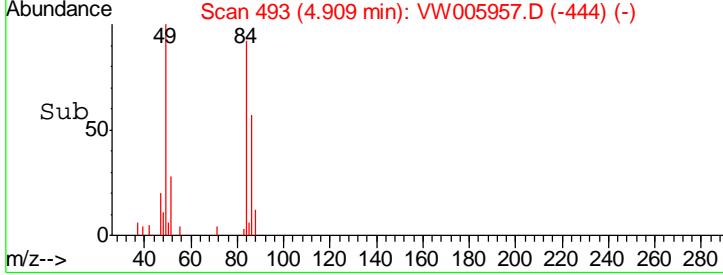
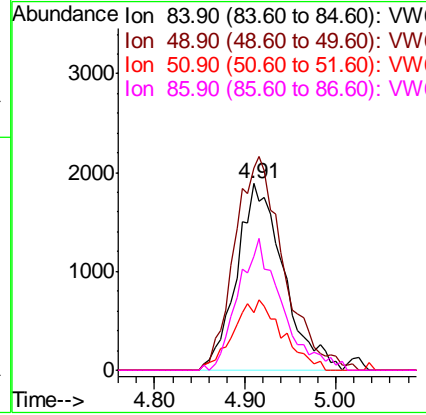
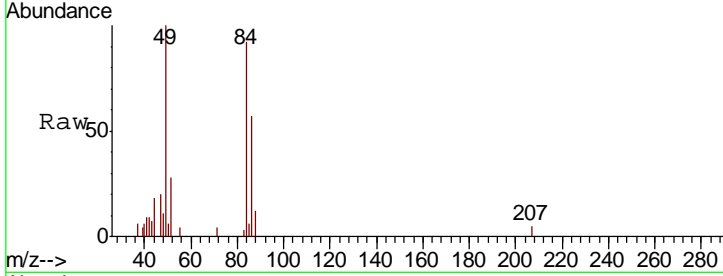




#20  
 Methylene Chloride  
 Concen: 4.064 ug/l  
 RT: 4.91 min Scan# 493  
 Delta R.T. -0.00 min  
 Lab File: VW005957.D  
 Acq: 10 Oct 2018 00:05

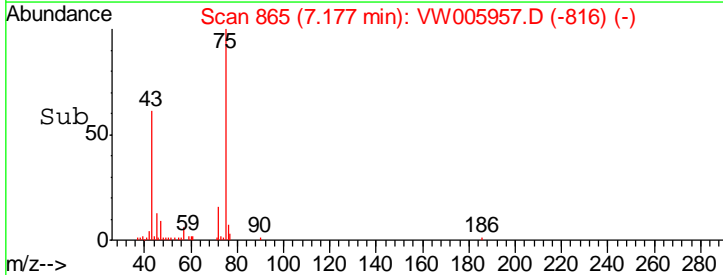
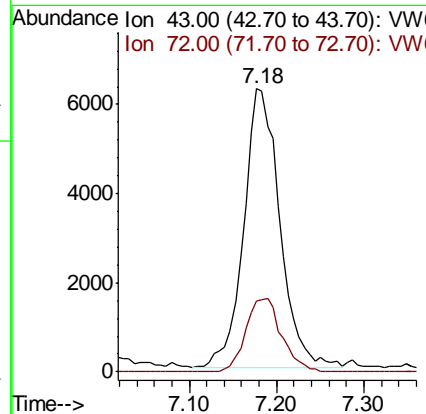
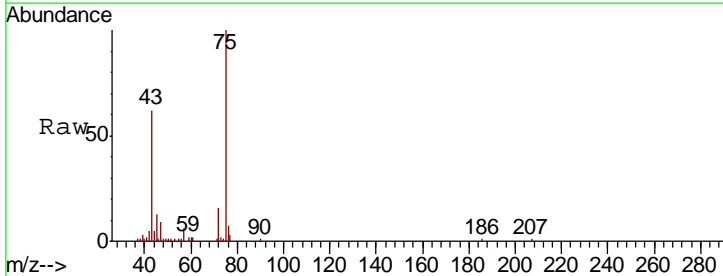
**Instrument :**  
 MSVOA\_W  
**ClientSampled :**  
 OILY-DEBRISRE

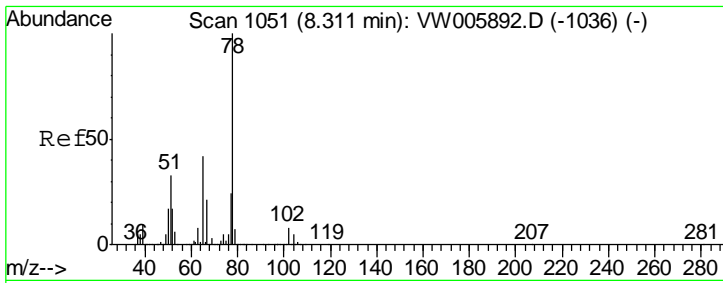
Tgt Ion	Resp	Lower	Upper
84	6773		
84	100		
49	108.4	99.9	149.9
51	30.9	31.1	46.7#
86	61.3	51.8	77.6



#25  
 2-Butanone  
 Concen: 37.752 ug/l  
 RT: 7.18 min Scan# 865  
 Delta R.T. -0.00 min  
 Lab File: VW005957.D  
 Acq: 10 Oct 2018 00:05

Tgt Ion	Resp	Lower	Upper
43	17863		
43	100		
72	25.6	21.0	31.4

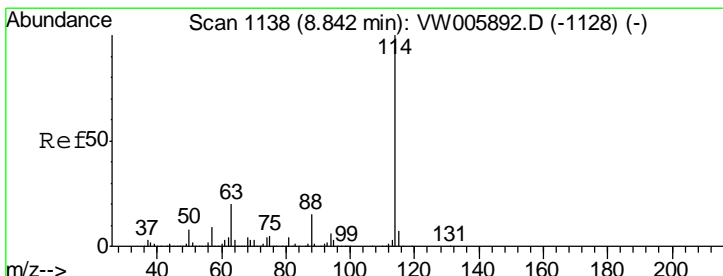
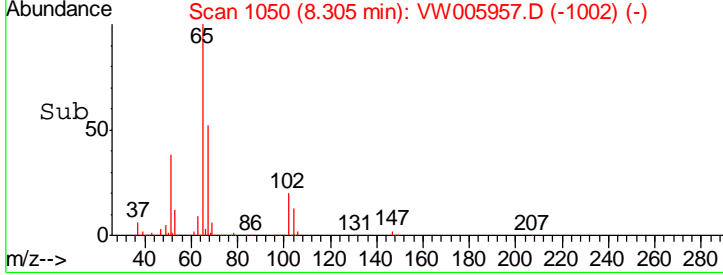
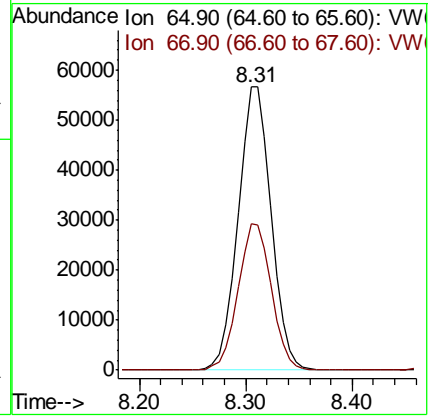
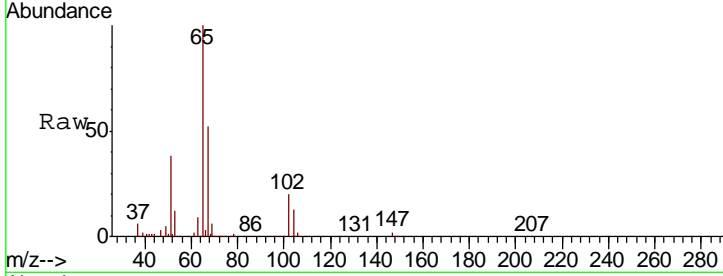




#33  
 1,2-Dichloroethane-d4  
 Concen: 74.185 ug/l  
 RT: 8.31 min Scan# 1050  
 Delta R.T. -0.01 min  
 Lab File: VW005957.D  
 Acq: 10 Oct 2018 00:05

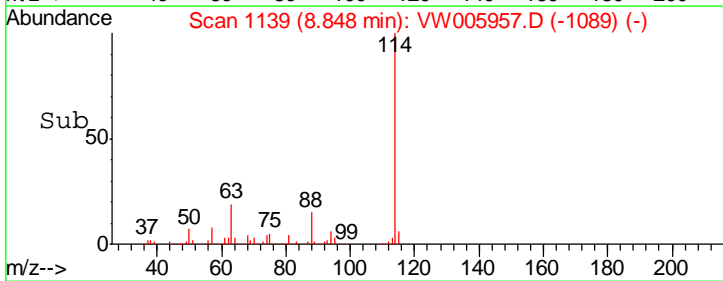
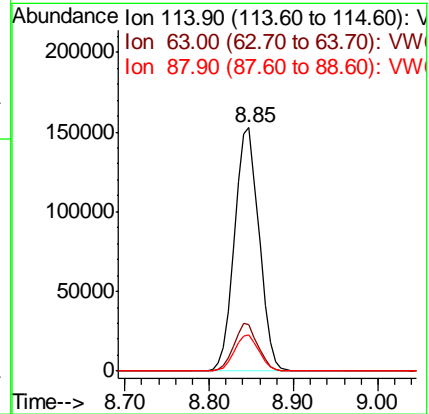
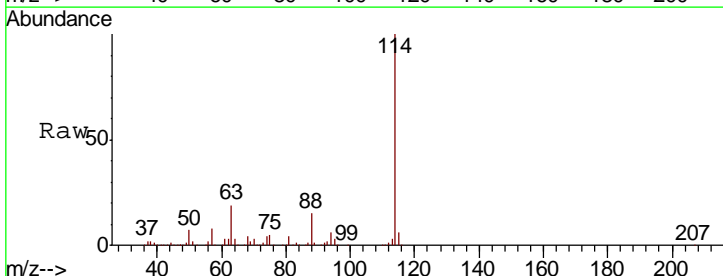
**Instrument :**  
 MSVOA\_W  
**ClientSampled :**  
 OILY-DEBRISRE

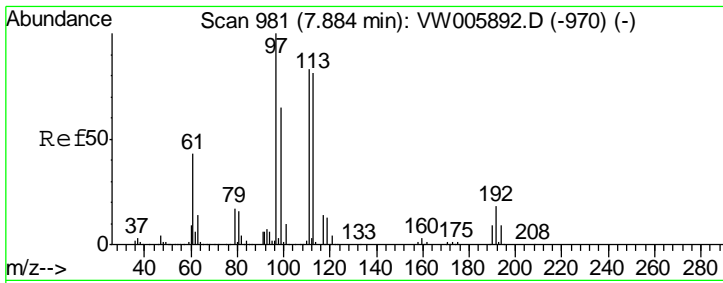
Tgt Ion	Resp	Lower	Upper
65	100		
67	52.1	0.0	104.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.85 min Scan# 1139  
 Delta R.T. 0.01 min  
 Lab File: VW005957.D  
 Acq: 10 Oct 2018 00:05

Tgt Ion	Resp	Lower	Upper
114	100		
63	18.9	0.0	39.2
88	14.8	0.0	30.8

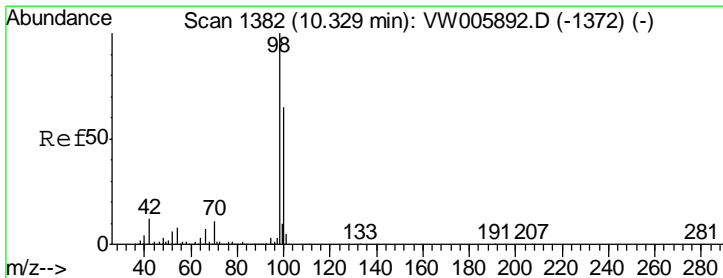
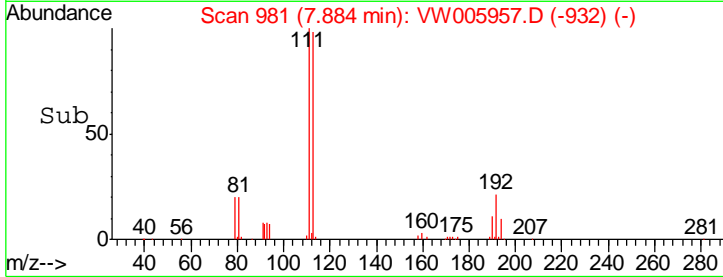
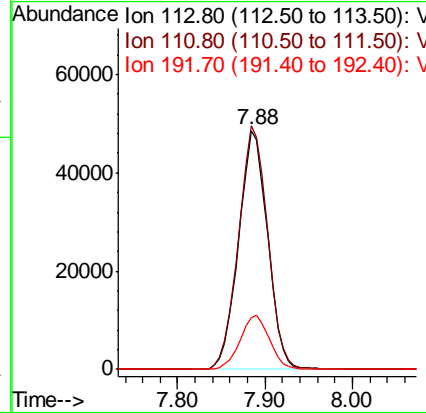
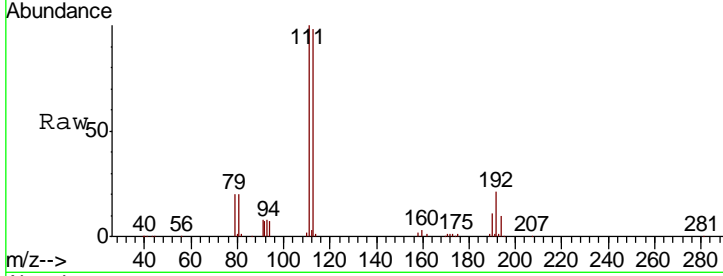




#35  
 Dibromofluoromethane  
 Concen: 58.056 ug/l  
 RT: 7.88 min Scan# 981  
 Delta R.T. -0.00 min  
 Lab File: VW005957.D  
 Acq: 10 Oct 2018 00:05

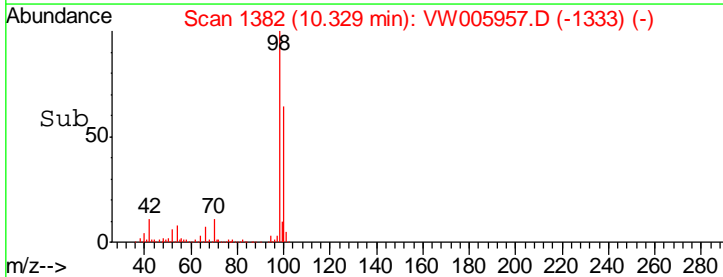
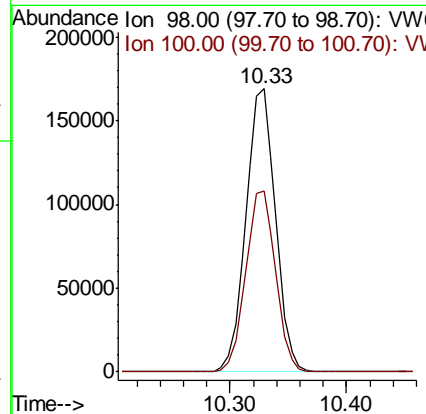
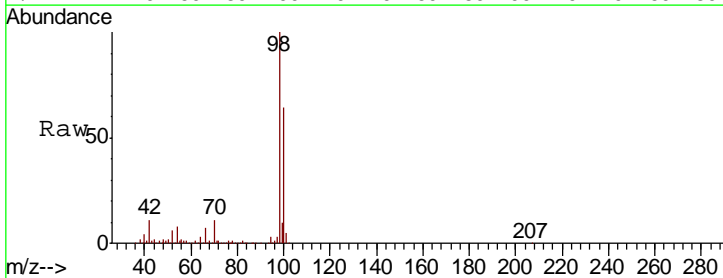
Instrument :  
 MSVOA\_W  
 ClientSampled :  
 OILY-DEBRISRE

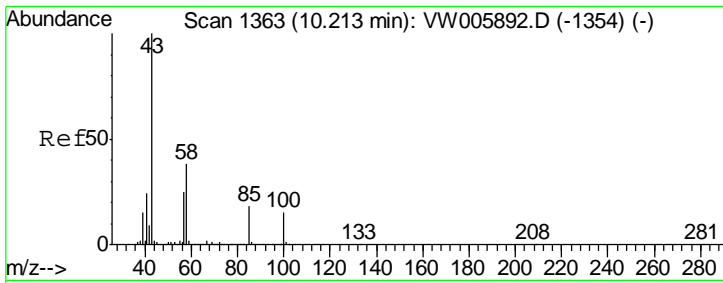
Tgt Ion	Resp	Lower	Upper
113	111838		
111	102.9	82.0	123.0
192	22.8	18.3	27.5



#50  
 Toluene-d8  
 Concen: 40.392 ug/l  
 RT: 10.33 min Scan# 1382  
 Delta R.T. -0.00 min  
 Lab File: VW005957.D  
 Acq: 10 Oct 2018 00:05

Tgt Ion	Resp	Lower	Upper
98	299372		
100	64.6	51.9	77.9

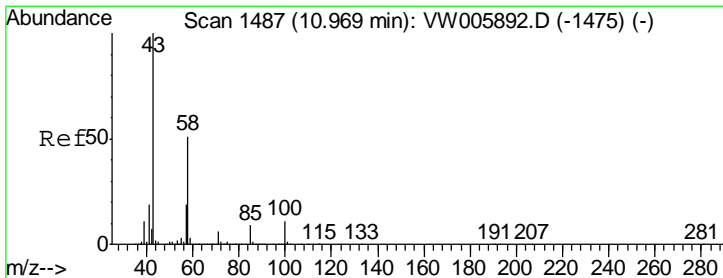
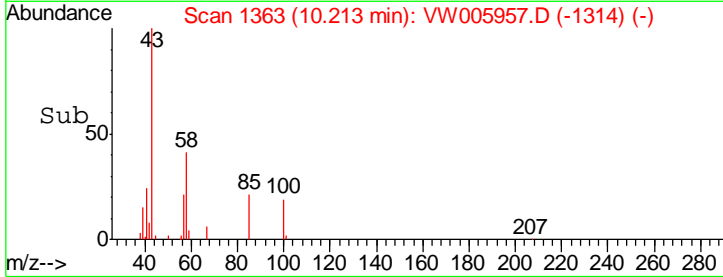
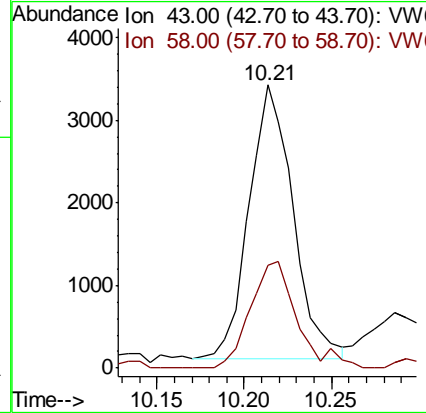
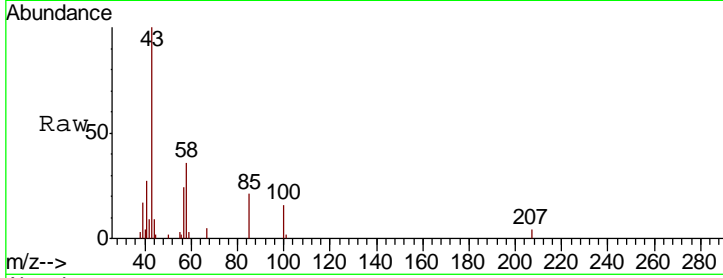




#51  
 4-Methyl-2-Pentanone  
 Concen: 4.659 ug/l  
 RT: 10.21 min Scan# 1363  
 Delta R.T. -0.00 min  
 Lab File: VW005957.D  
 Acq: 10 Oct 2018 00:05

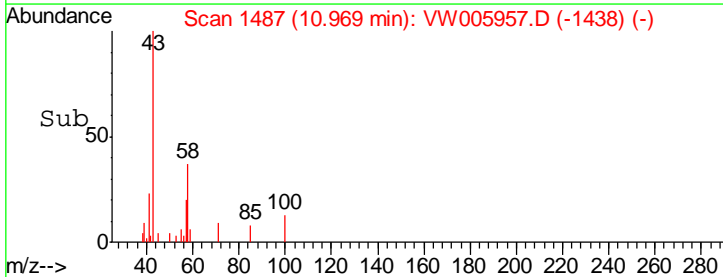
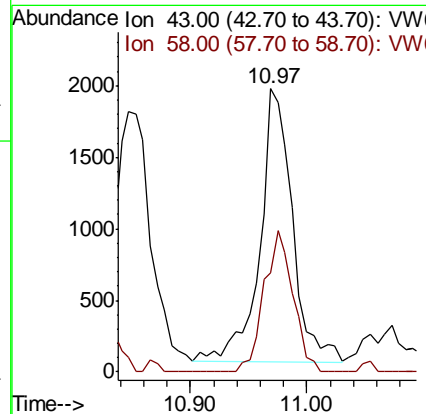
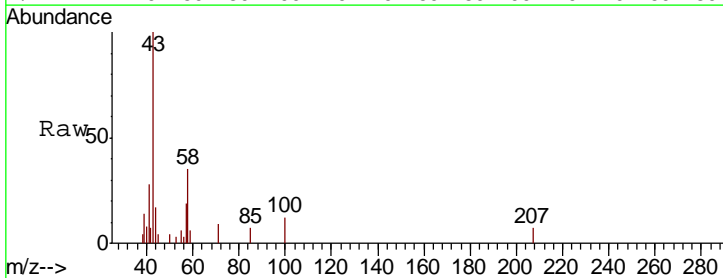
Instrument :  
 MSVOA\_W  
 ClientSampled :  
 OILY-DEBRISRE

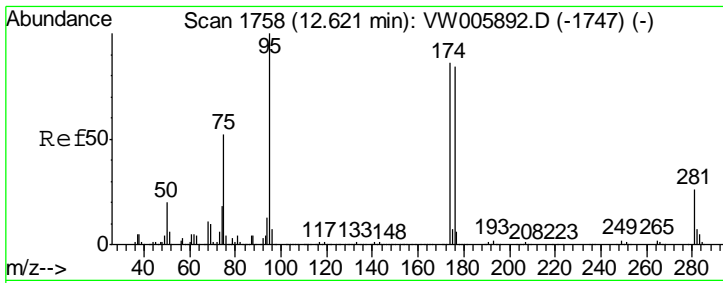
Tgt Ion	Resp	Lower	Upper
43	100		
58	41.2	30.2	45.4



#59  
 2-Hexanone  
 Concen: 4.173 ug/l  
 RT: 10.97 min Scan# 1487  
 Delta R.T. -0.00 min  
 Lab File: VW005957.D  
 Acq: 10 Oct 2018 00:05

Tgt Ion	Resp	Lower	Upper
43	100		
58	45.9	25.7	77.1

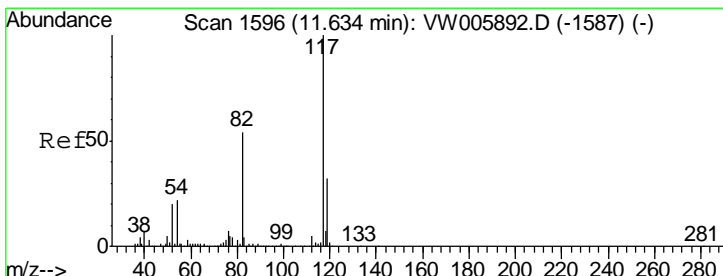
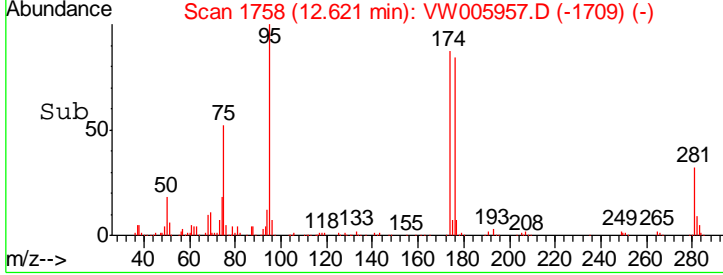
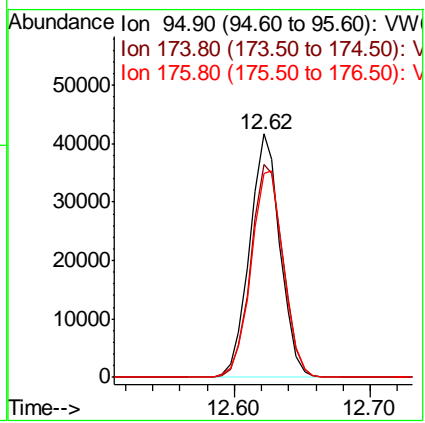
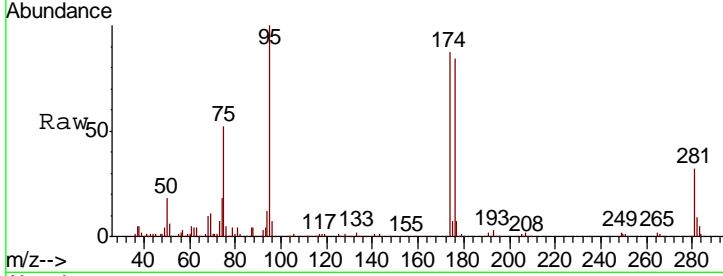




#62  
 4-Bromofluorobenzene  
 Concen: 23.244 ug/l  
 RT: 12.62 min Scan# 1758  
 Delta R.T. -0.00 min  
 Lab File: VW005957.D  
 Acq: 10 Oct 2018 00:05

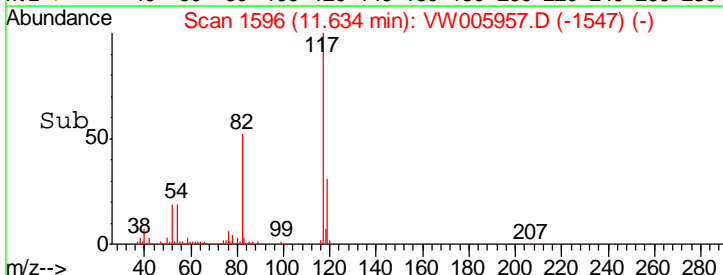
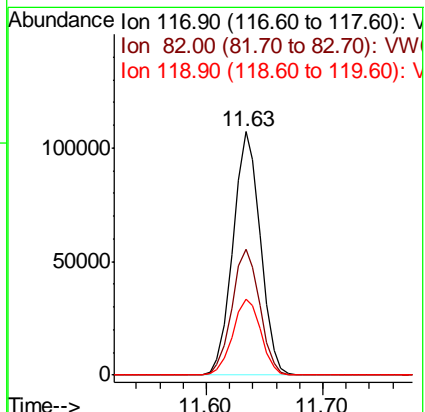
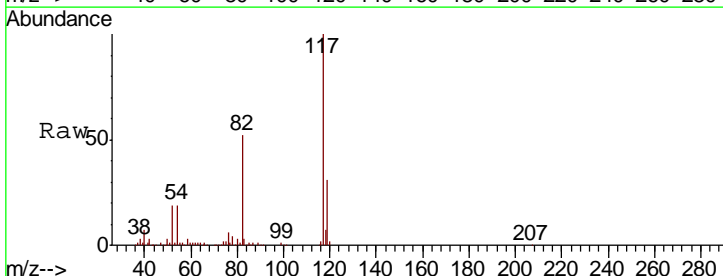
Instrument : MSVOA\_W  
 ClientSampled : OILY-DEBRISRE

Tgt Ion	Resp	Lower	Upper
95	65545		
174	91.8	0.0	176.4
176	90.2	0.0	173.0

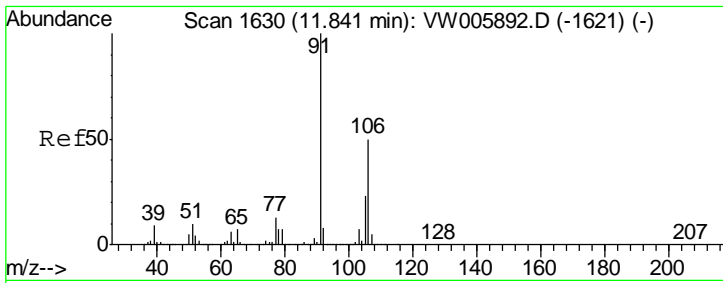


#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 11.63 min Scan# 1596  
 Delta R.T. -0.00 min  
 Lab File: VW005957.D  
 Acq: 10 Oct 2018 00:05

Tgt Ion	Resp	Lower	Upper
117	175619		
82	51.7	43.5	65.3
119	30.9	25.4	38.2



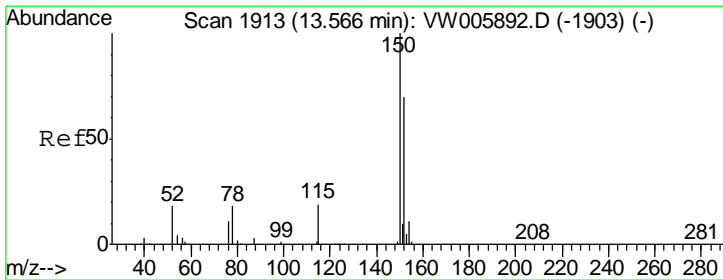
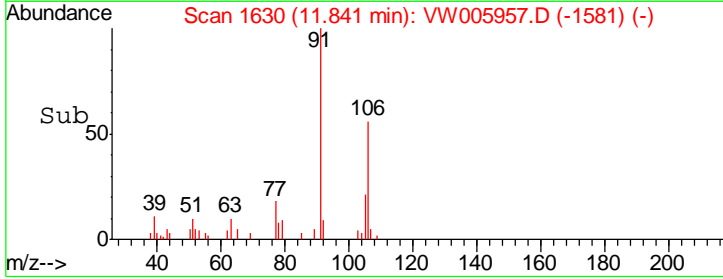
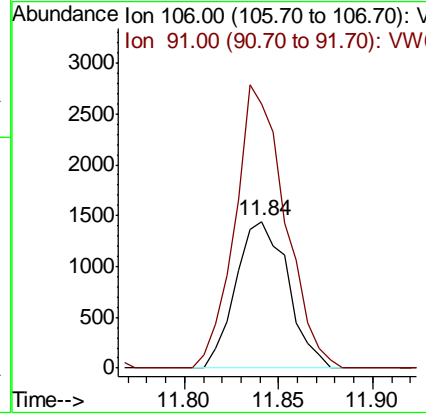
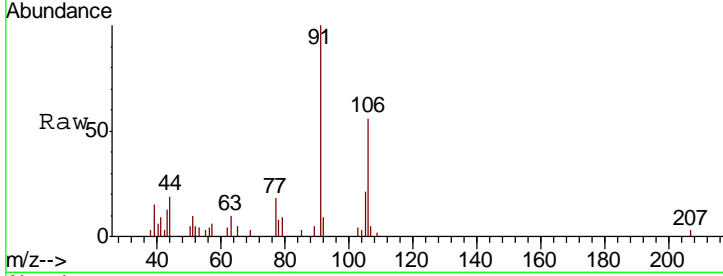




#68  
 m/p-Xylenes  
 Concen: 1.067 ug/l  
 RT: 11.84 min Scan# 1630  
 Delta R.T. -0.00 min  
 Lab File: VW005957.D  
 Acq: 10 Oct 2018 00:05

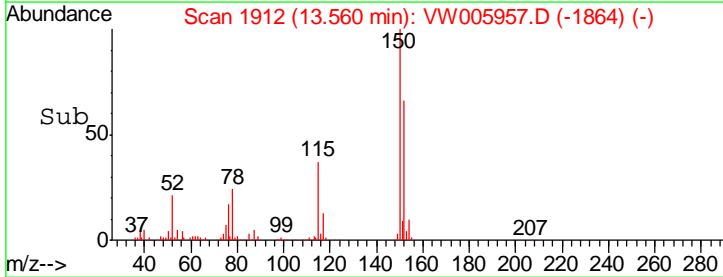
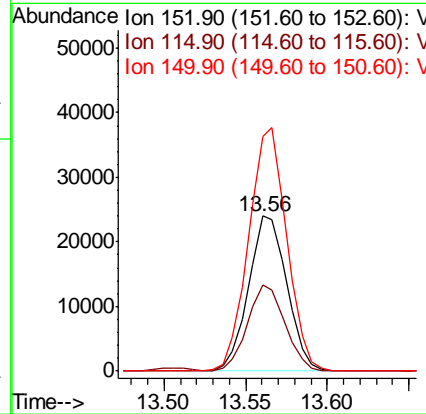
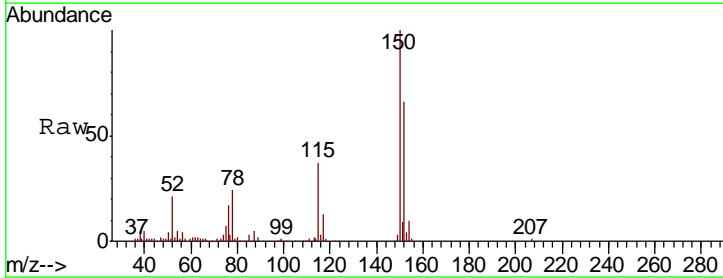
Instrument : MSVOA\_W  
 ClientSampled : OILY-DEBRISRE

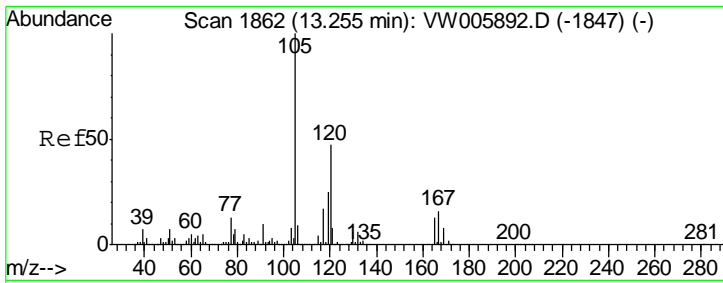
Tgt Ion	Resp	Lower	Upper
106	100		
91	185.4	160.2	240.2



#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.56 min Scan# 1912  
 Delta R.T. -0.01 min  
 Lab File: VW005957.D  
 Acq: 10 Oct 2018 00:05

Tgt Ion	Resp	Lower	Upper
152	100		
115	54.6	28.3	85.0
150	155.9	0.0	349.2

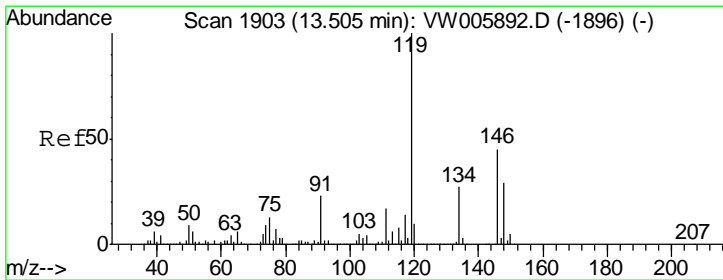
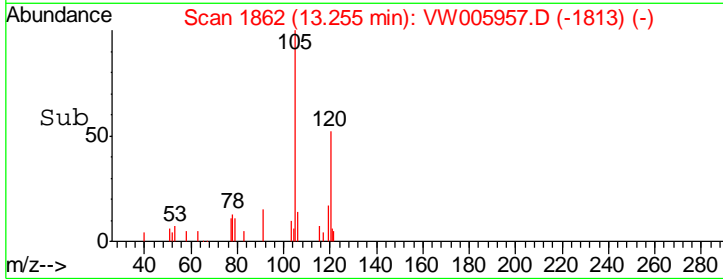
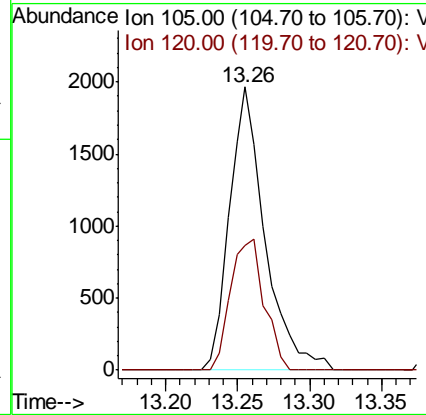
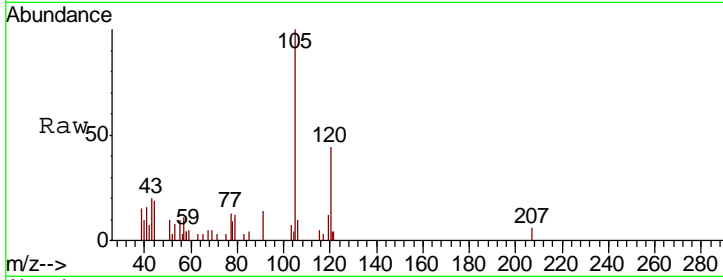




#84  
 1,2,4-Trimethylbenzene  
 Concen: 1.385 ug/l  
 RT: 13.26 min Scan# 1862  
 Delta R.T. -0.00 min  
 Lab File: VW005957.D  
 Acq: 10 Oct 2018 00:05

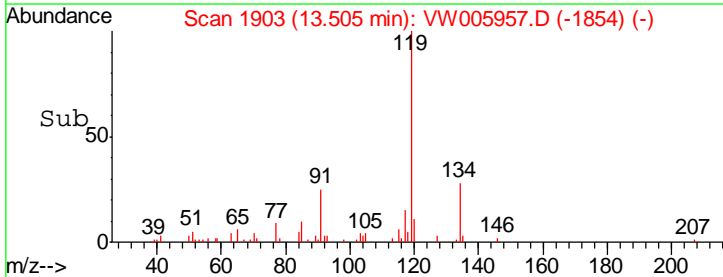
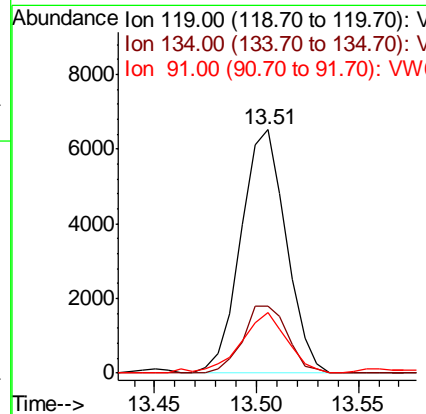
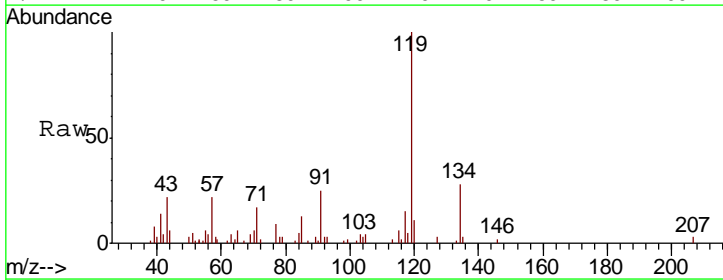
Instrument : MSVOA\_W  
 ClientSampled : OILY-DEBRISRE

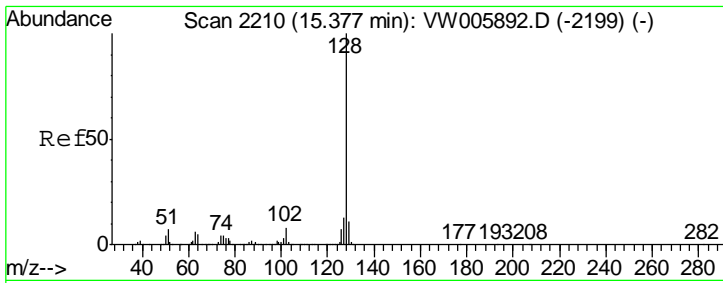
Tgt Ion	Resp	Lower	Upper
105	100		
120	44.1	22.8	68.3



#86  
 p-Isopropyltoluene  
 Concen: 3.680 ug/l  
 RT: 13.51 min Scan# 1903  
 Delta R.T. -0.00 min  
 Lab File: VW005957.D  
 Acq: 10 Oct 2018 00:05

Tgt Ion	Resp	Lower	Upper
119	100		
134	27.4	13.5	40.5
91	25.7	11.9	35.5





#95  
 Naphthalene  
 Concen: 7.668 ug/l  
 RT: 15.38 min Scan# 2210  
 Delta R.T. -0.00 min  
 Lab File: VW005957.D  
 Acq: 10 Oct 2018 00:05

Instrument : MSVOA\_W  
 ClientSampled : OILY-DEBRISRE

Tot Ion:128 Resp: 12270

Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.5	15.7
129	10.9	8.9	13.3

