

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW091118\  
 Data File : VW005304.D  
 Acq On : 12 Sep 2018 05:30  
 Operator : SY/AP  
 Sample : J4829-05  
 Misc : 5.20G/5ML/MSVOA\_W/SOIL  
 ALS Vial : 46 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 OILY-STONES-3-4FT

Quant Time: Sep 12 06:47:34 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W091018S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 11 03:48:23 2018  
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	458378	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	725895	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	640094	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	270731	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	196472	57.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.94%	
35) Dibromofluoromethane	7.89	113	168872	44.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.82%	
50) Toluene-d8	10.33	98	634529	33.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	66.04%	
62) 4-Bromofluorobenzene	12.62	95	238351	33.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.82%	

Target Compounds

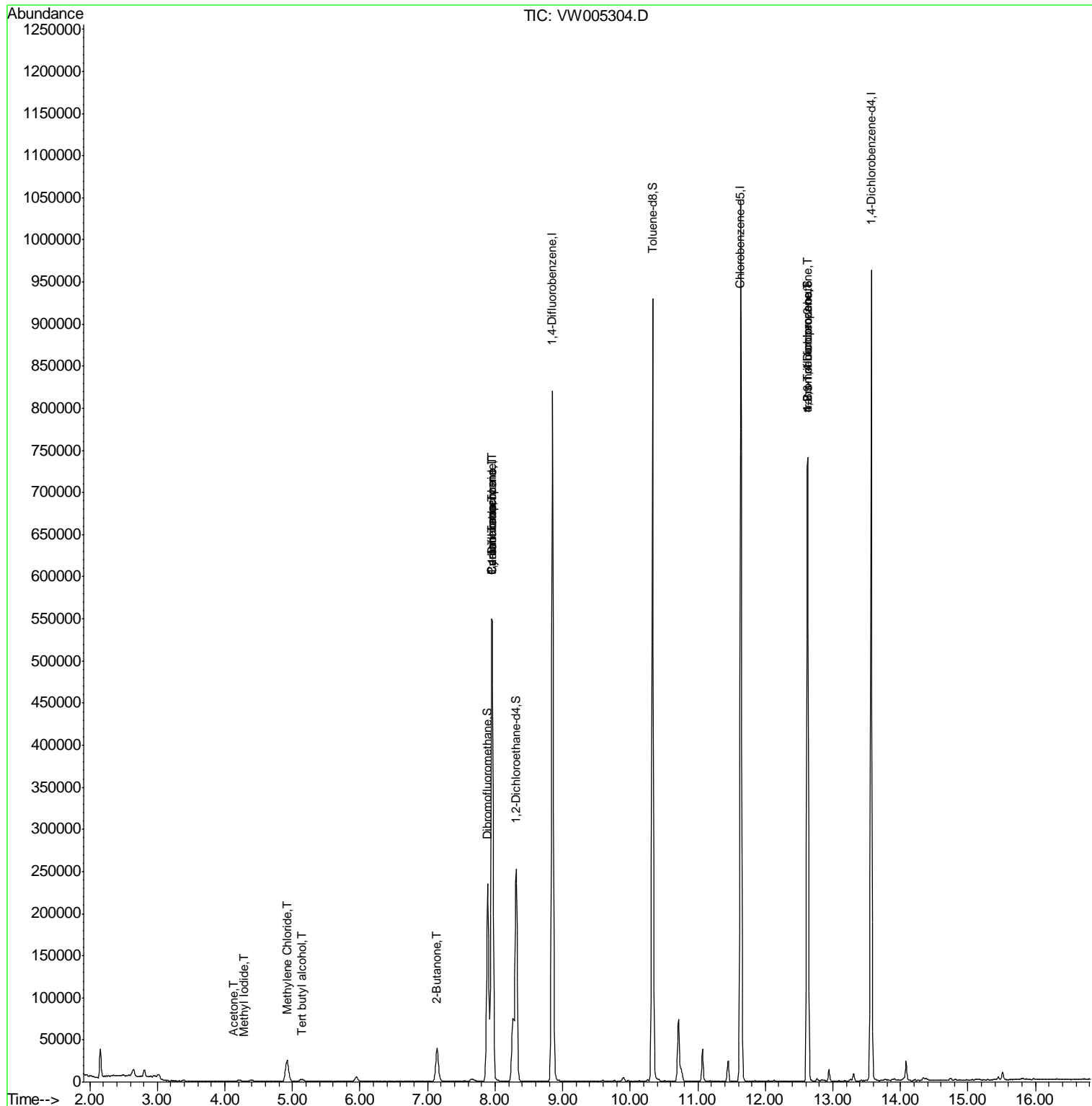
					Qvalue	
5) Bromomethane	2.76	94	424	Below Cal	#	16
10) Methyl Iodide	4.28	142	353	3.394	ug/l #	62
11) Tert butyl alcohol	5.15	59	3494	12.462	ug/l #	73
16) Acetone	4.13	43	1718	2.707	ug/l #	85
20) Methylene Chloride	4.92	84	22098	1.491	ug/l	99
25) 2-Butanone	7.14	43	2032	2.030	ug/l #	74
31) Cyclohexane	7.95	56	7532	1.030	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	30158	4.535	ug/l #	48
38) Carbon Tetrachloride	7.95	117	40954	6.574	ug/l #	16
76) 1,2,3-Trichloropropane	12.63	75	110312	52.975	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	110312	124.239	ug/l #	16

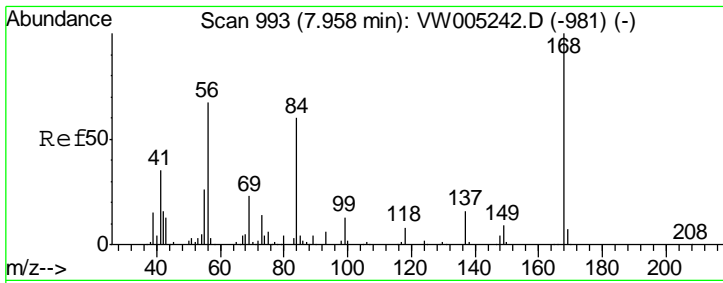
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 MSVOA\_W  
**Client Sampled :**  
 OILY-STONES-3-4FT

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\82W091018S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 11 03:48:23 2018  
 Response via : Initial Calibration

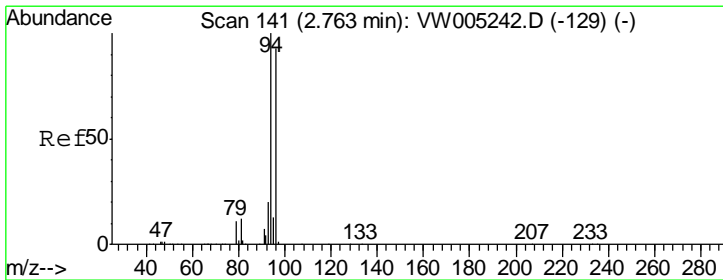
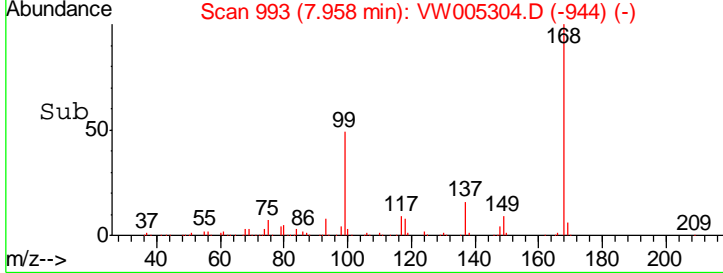
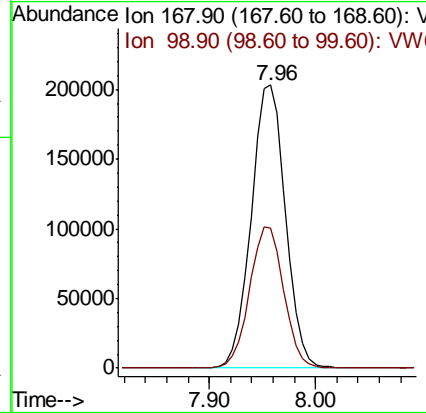
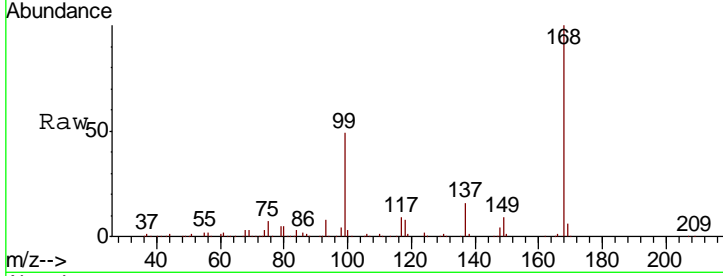




#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 7.96 min Scan# 993  
 Delta R.T. 0.00 min  
 Lab File: VW005304.D  
 Acq: 12 Sep 2018 05:30

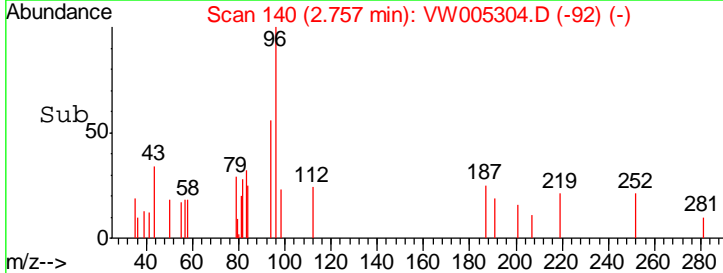
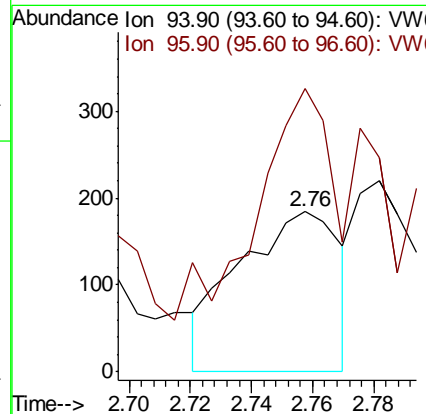
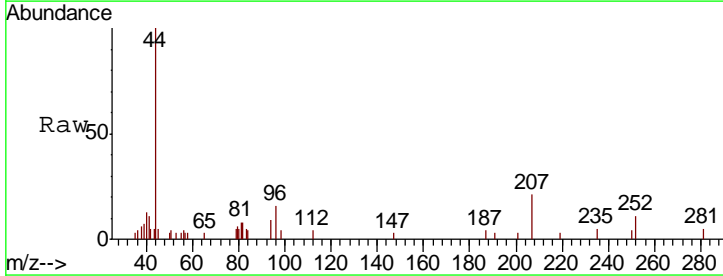
Instrument :  
 MSVOA\_W  
 ClientSampled :  
 OILY-STONES-3-4FT

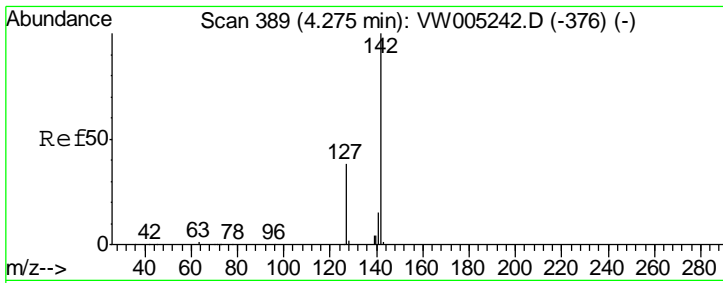
Tgt Ion: 168 Resp: 458378  
 Ion Ratio Lower Upper  
 168 100  
 99 49.5 39.1 58.7



#5  
 Bromomethane  
 Concen: Below Cal  
 RT: 2.76 min Scan# 140  
 Delta R.T. -0.01 min  
 Lab File: VW005304.D  
 Acq: 12 Sep 2018 05:30

Tgt Ion: 94 Resp: 424  
 Ion Ratio Lower Upper  
 94 100  
 96 173.3 74.1 111.1#

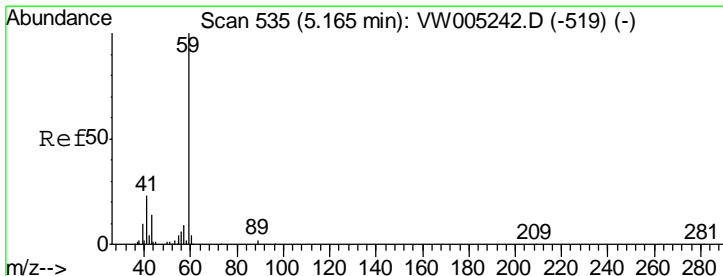
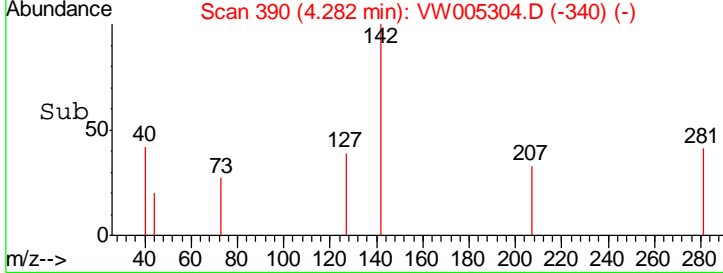
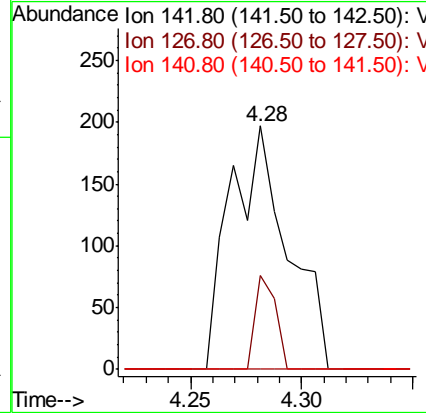
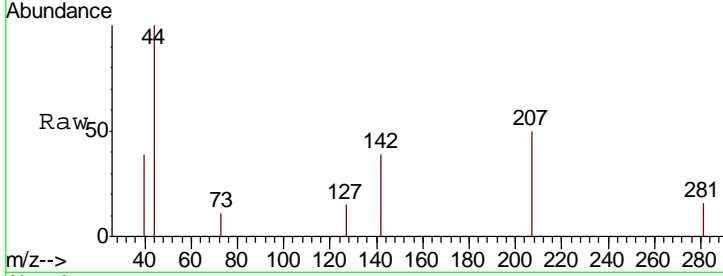




#10  
 Methyl Iodide  
 Concen: 3.394 ug/l  
 RT: 4.28 min Scan# 390  
 Delta R.T. 0.01 min  
 Lab File: VW005304.D  
 Acq: 12 Sep 2018 05:30

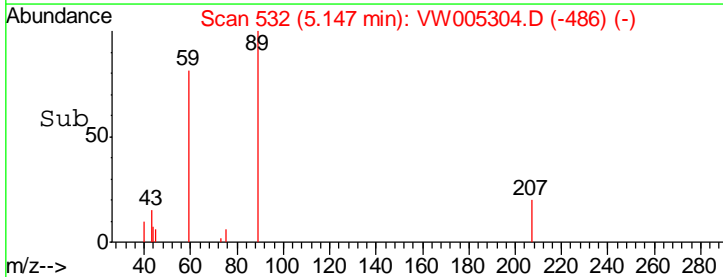
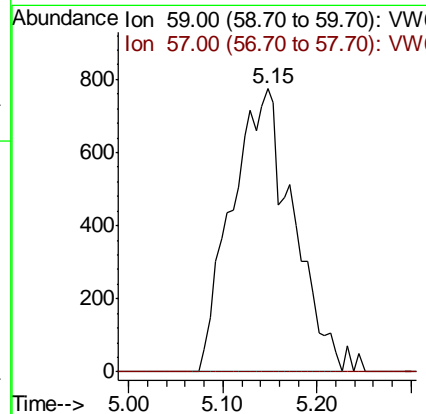
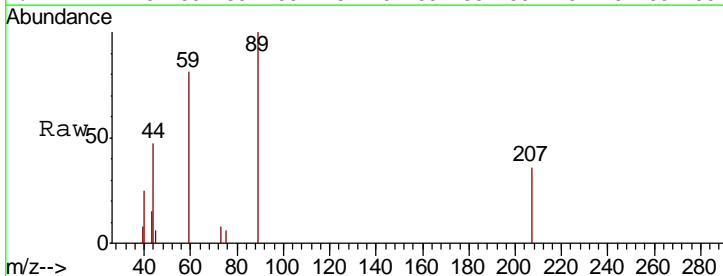
**Instrument :**  
 MSVOA\_W  
**ClientSampled :**  
 OILY-STONES-3-4FT

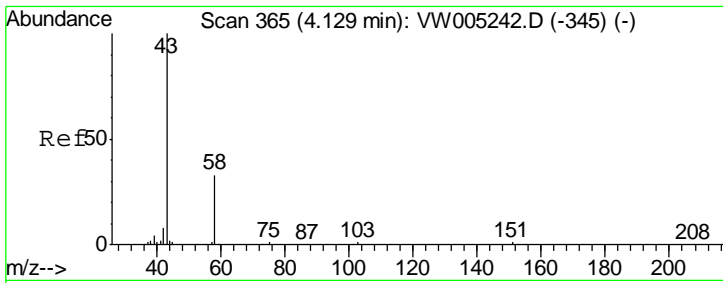
Tgt Ion	Resp	Lower	Upper
142	100		
127	13.9	30.3	45.5#
141	0.0	11.4	17.0#



#11  
 Tert butyl alcohol  
 Concen: 12.462 ug/l  
 RT: 5.15 min Scan# 532  
 Delta R.T. -0.02 min  
 Lab File: VW005304.D  
 Acq: 12 Sep 2018 05:30

Tgt Ion	Resp	Lower	Upper
59	100		
57	0.0	8.1	12.1#

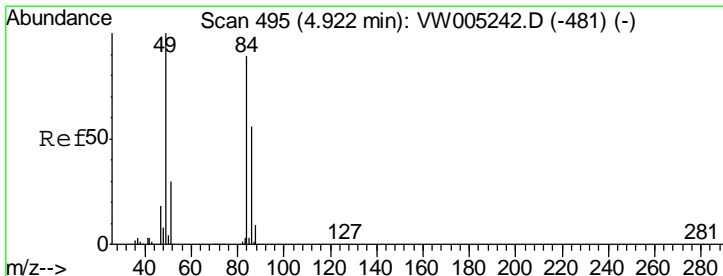
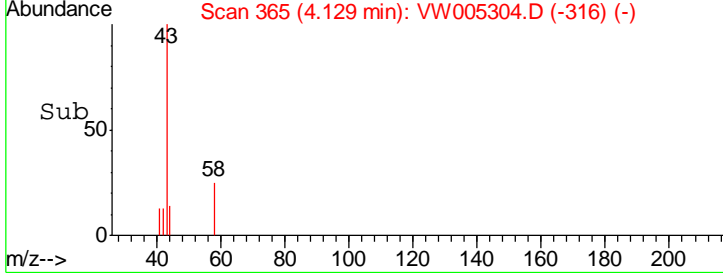
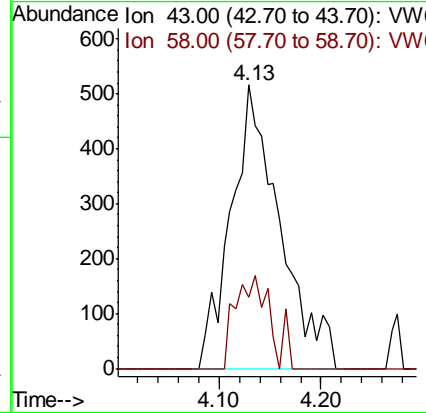
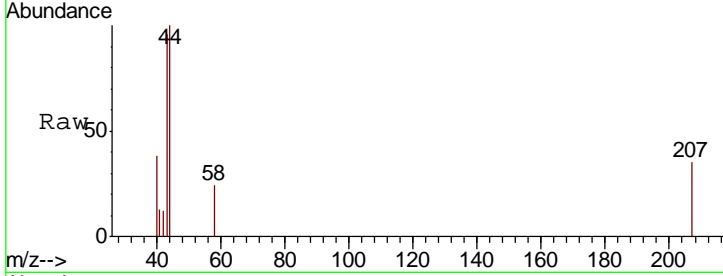




#16  
 Acetone  
 Concen: 2.707 ug/l  
 RT: 4.13 min Scan# 365  
 Delta R.T. 0.00 min  
 Lab File: VW005304.D  
 Acq: 12 Sep 2018 05:30

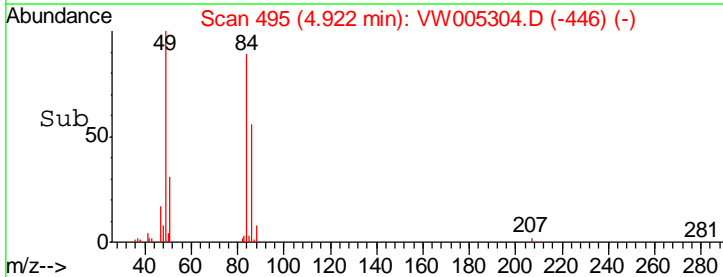
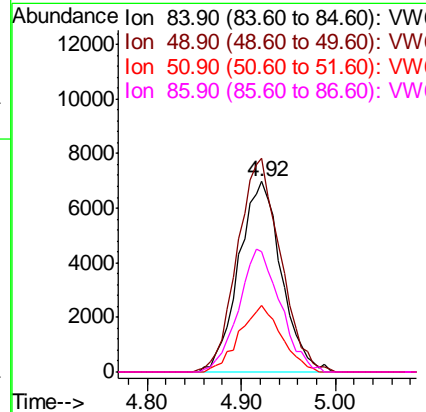
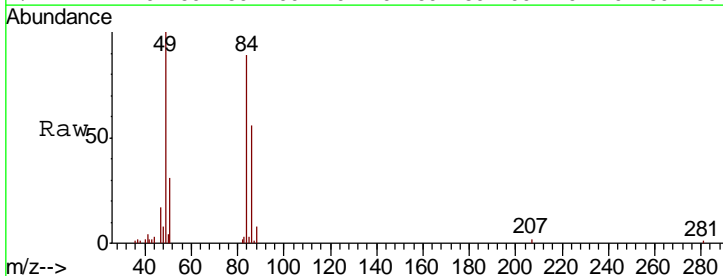
Instrument :  
 MSVOA\_W  
 ClientSampled :  
 OILY-STONES-3-4FT

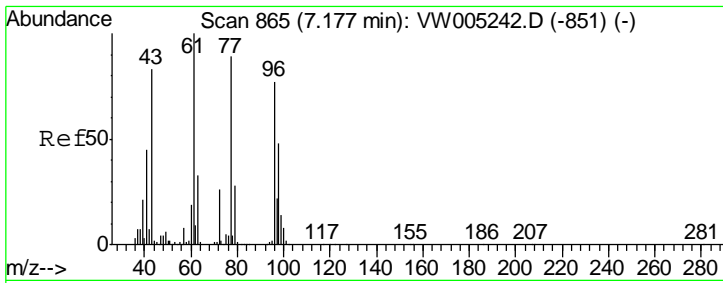
Tgt Ion	Resp	Lower	Upper
43	1718		
58	25.0	26.7	40.1#



#20  
 Methylene Chloride  
 Concen: 1.491 ug/l  
 RT: 4.92 min Scan# 495  
 Delta R.T. 0.00 min  
 Lab File: VW005304.D  
 Acq: 12 Sep 2018 05:30

Tgt Ion	Resp	Lower	Upper
84	22098		
49	112.3	90.3	135.5
51	35.2	26.9	40.3
86	63.0	50.8	76.2

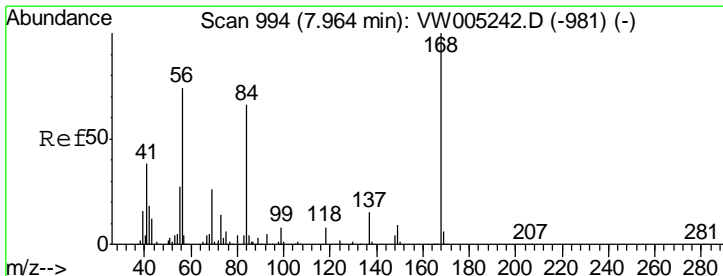
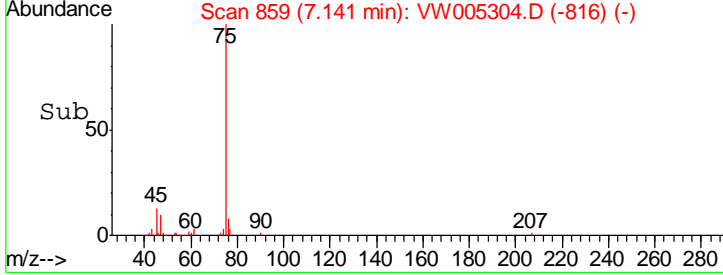
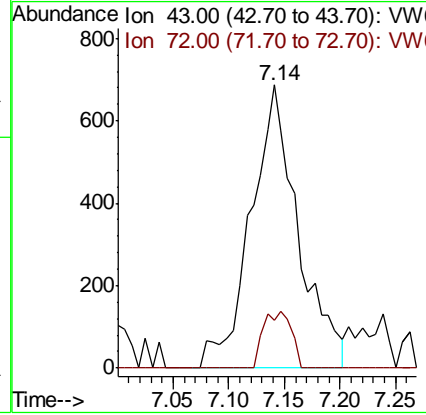
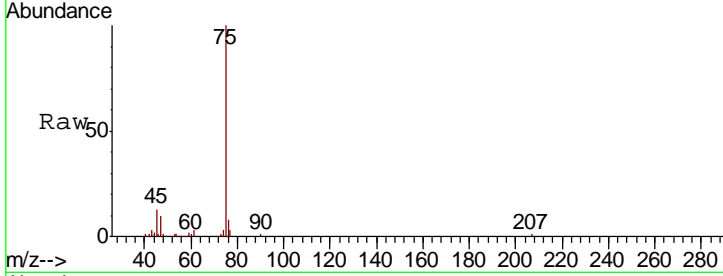




#25  
 2-Butanone  
 Concen: 2.030 ug/l  
 RT: 7.14 min Scan# 859  
 Delta R.T. -0.04 min  
 Lab File: VW005304.D  
 Acq: 12 Sep 2018 05:30

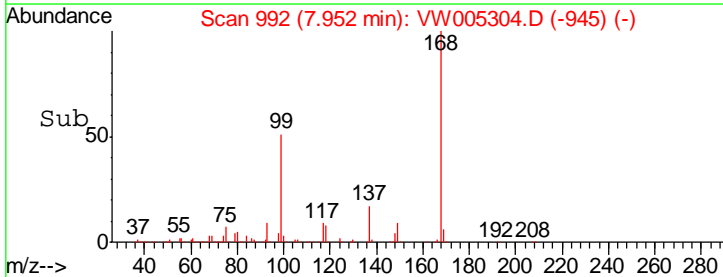
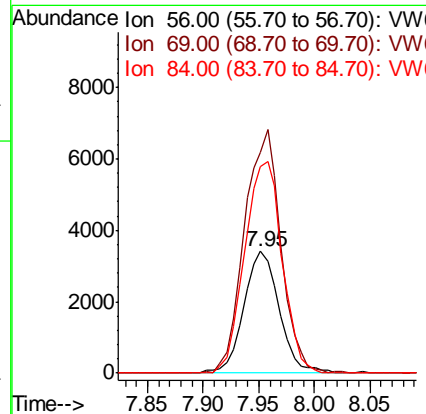
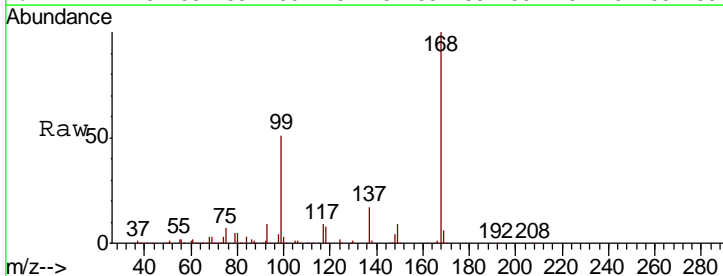
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**ClientSampled :**  
 OILY-STONES-3-4FT

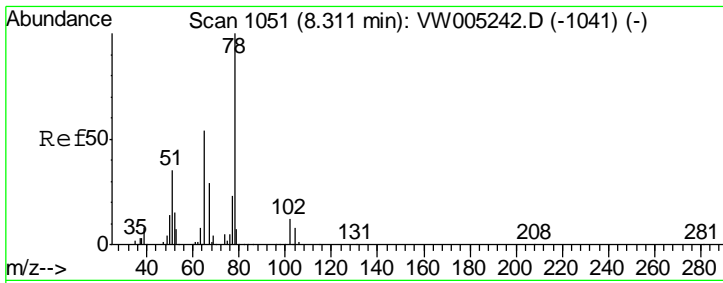
Tgt Ion: 43 Resp: 2032  
 Ion Ratio Lower Upper  
 43 100  
 72 16.7 25.0 37.6#



#31  
 Cyclohexane  
 Concen: 1.030 ug/l  
 RT: 7.95 min Scan# 992  
 Delta R.T. -0.01 min  
 Lab File: VW005304.D  
 Acq: 12 Sep 2018 05:30

Tgt Ion: 56 Resp: 7532  
 Ion Ratio Lower Upper  
 56 100  
 69 182.0 27.8 41.8#  
 84 169.9 72.1 108.1#

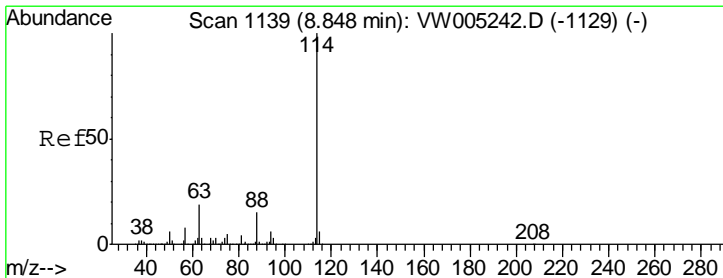
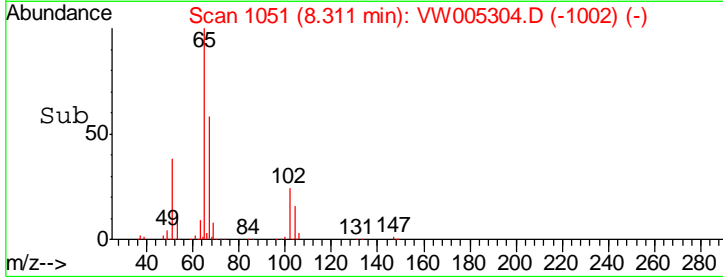
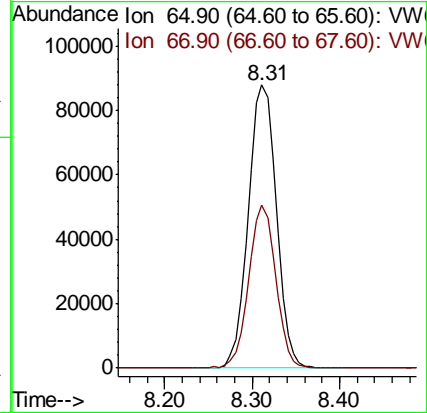
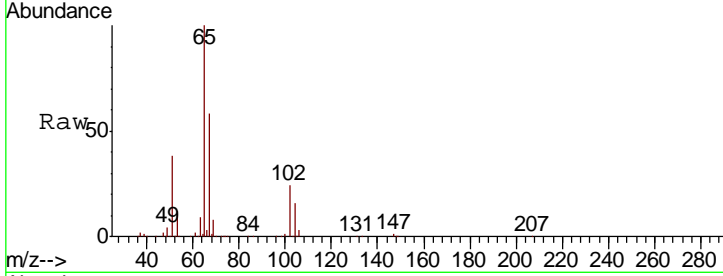




#33  
 1,2-Dichloroethane-d4  
 Concen: 57.467 ug/l  
 RT: 8.31 min Scan# 1051  
 Delta R.T. 0.00 min  
 Lab File: VW005304.D  
 Acq: 12 Sep 2018 05:30

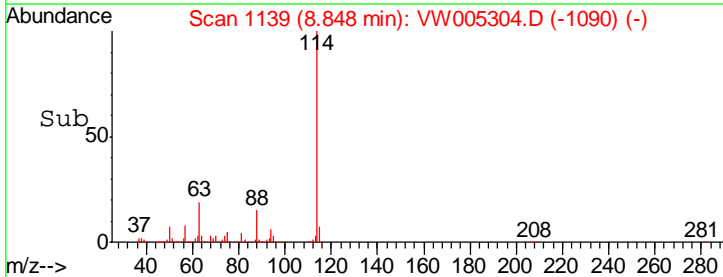
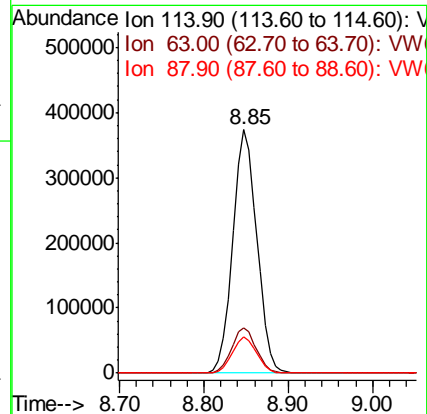
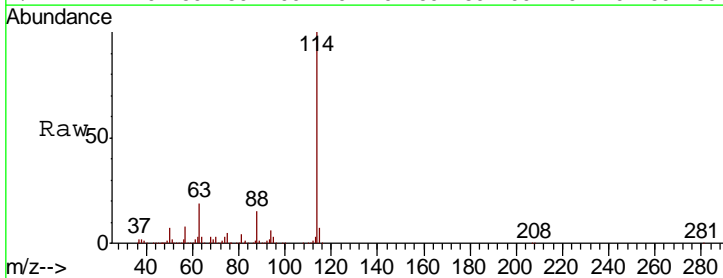
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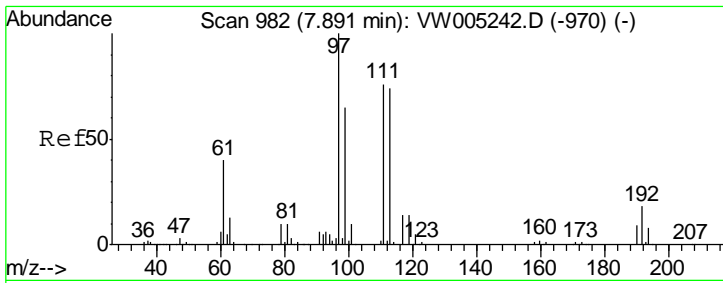
Tgt Ion: 65 Resp: 196472  
 Ion Ratio Lower Upper  
 65 100  
 67 55.5 0.0 112.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.85 min Scan# 1139  
 Delta R.T. 0.00 min  
 Lab File: VW005304.D  
 Acq: 12 Sep 2018 05:30

Tgt Ion: 114 Resp: 725895  
 Ion Ratio Lower Upper  
 114 100  
 63 18.7 0.0 37.0  
 88 14.9 0.0 30.4

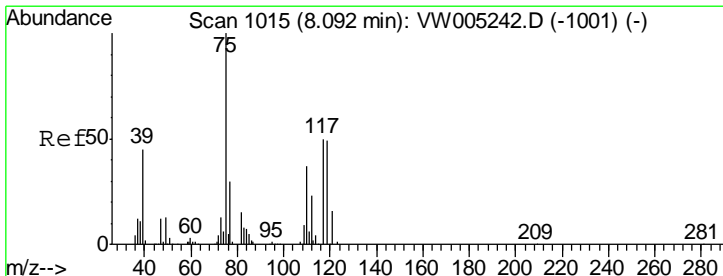
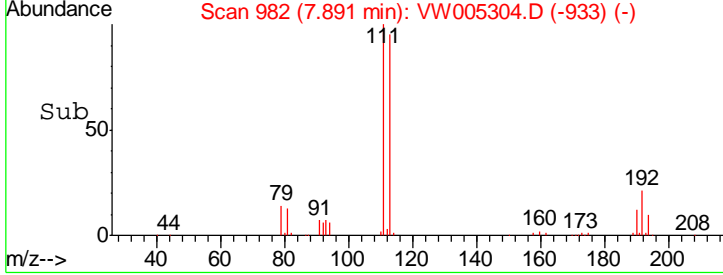
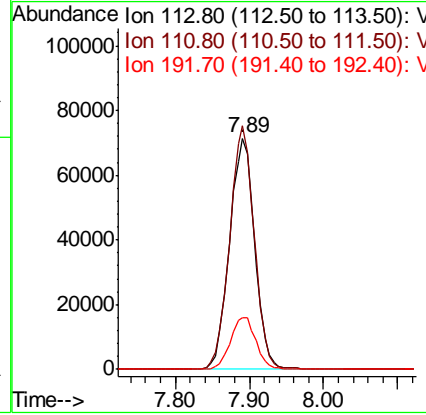
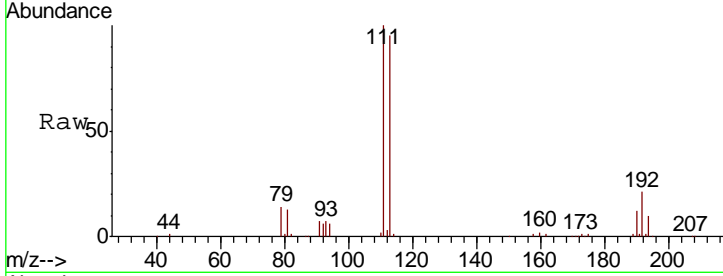




#35  
 Dibromofluoromethane  
 Concen: 44.411 ug/l  
 RT: 7.89 min Scan# 982  
 Delta R.T. 0.00 min  
 Lab File: VW005304.D  
 Acq: 12 Sep 2018 05:30

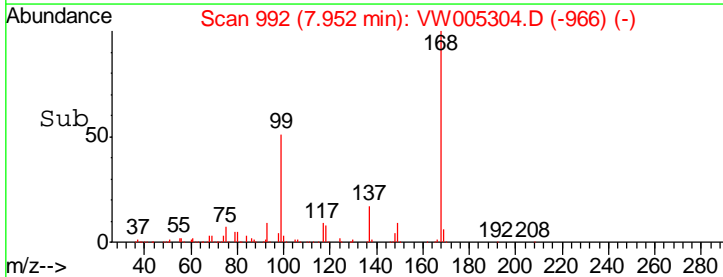
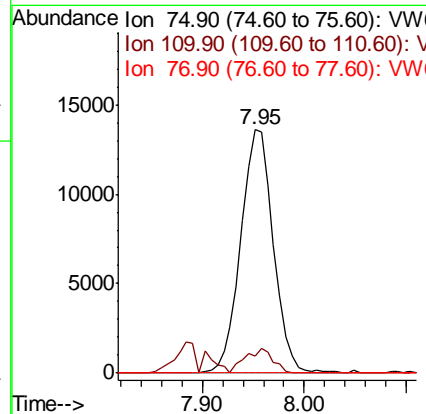
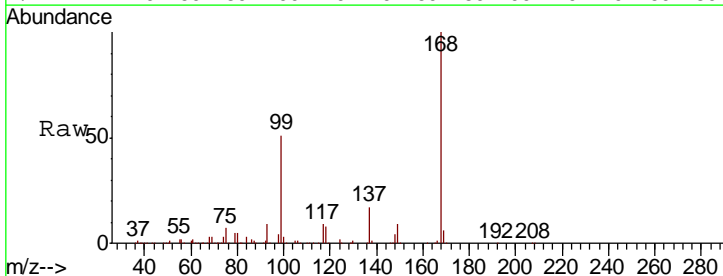
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Tgt Ion	Resp	Lower	Upper
113	168872		
111	102.7	80.6	121.0
192	22.6	18.3	27.5

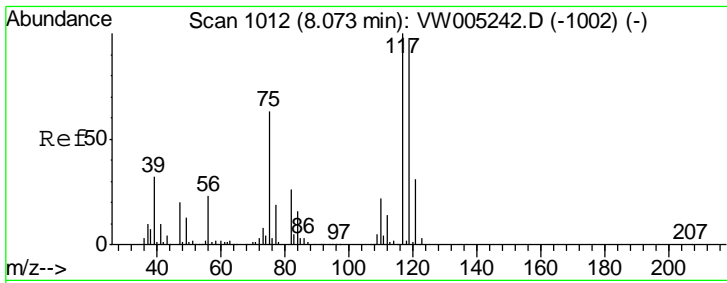


#36  
 1,1-Dichloropropene  
 Concen: 4.535 ug/l  
 RT: 7.95 min Scan# 992  
 Delta R.T. -0.14 min  
 Lab File: VW005304.D  
 Acq: 12 Sep 2018 05:30

Tgt Ion	Resp	Lower	Upper
75	30158		
75	100		
110	8.7	18.8	56.4#
77	0.0	24.9	37.3#



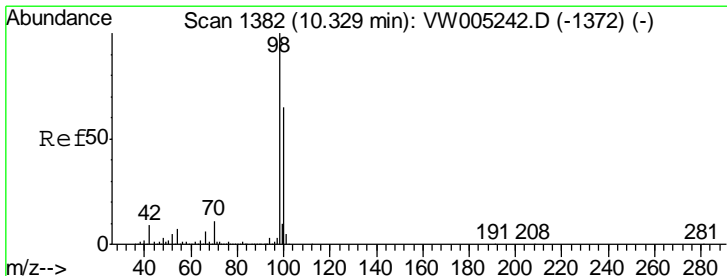
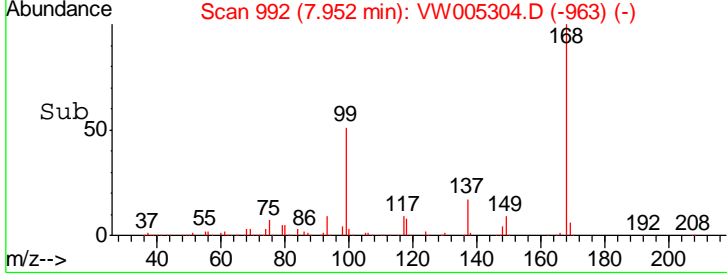
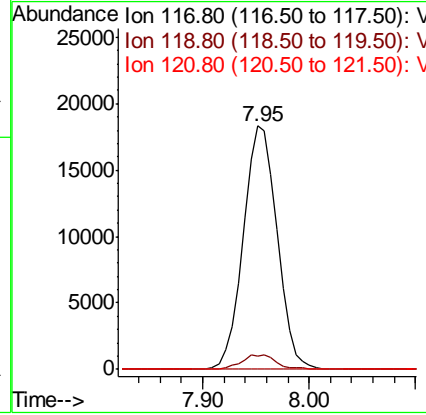
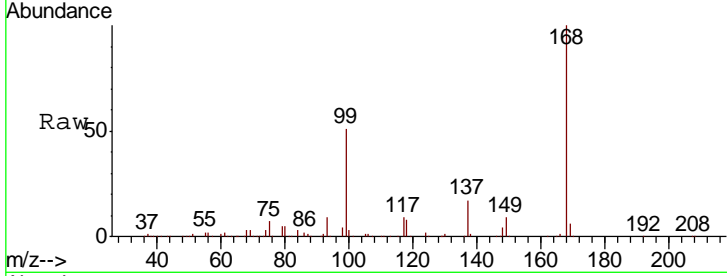




#38  
 Carbon Tetrachloride  
 Concen: 6.574 ug/l  
 RT: 7.95 min Scan# 992  
 Delta R.T. -0.12 min  
 Lab File: VW005304.D  
 Acq: 12 Sep 2018 05:30

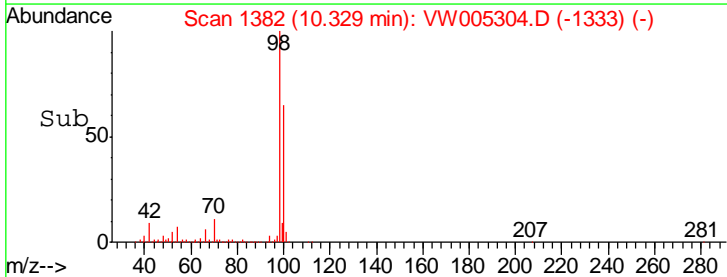
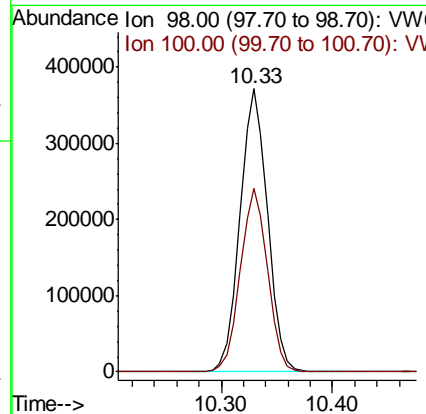
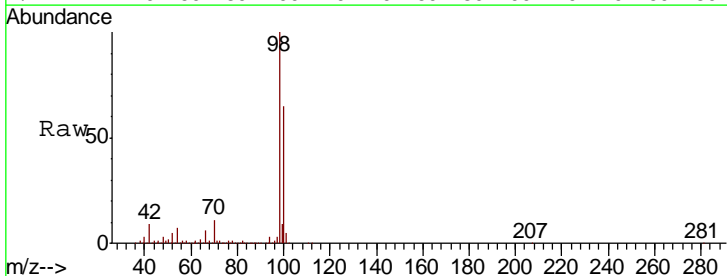
**Instrument :**  
 MSVOA\_W  
**ClientSampled :**  
 OILY-STONES-3-4FT

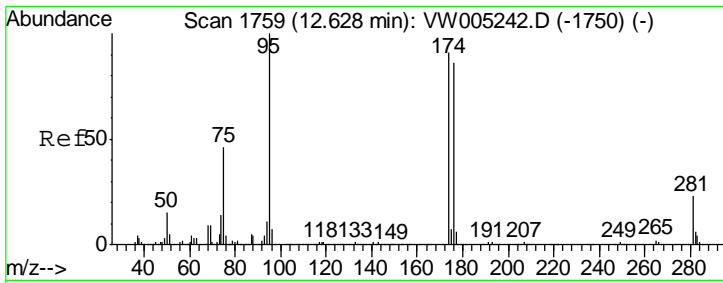
Tgt Ion	Resp	Lower	Upper
117	100		
119	5.3	77.5	116.3#
121	0.0	24.7	37.1#



#50  
 Toluene-d8  
 Concen: 33.023 ug/l  
 RT: 10.33 min Scan# 1382  
 Delta R.T. 0.00 min  
 Lab File: VW005304.D  
 Acq: 12 Sep 2018 05:30

Tgt Ion	Resp	Lower	Upper
98	100		
100	64.2	52.0	78.0



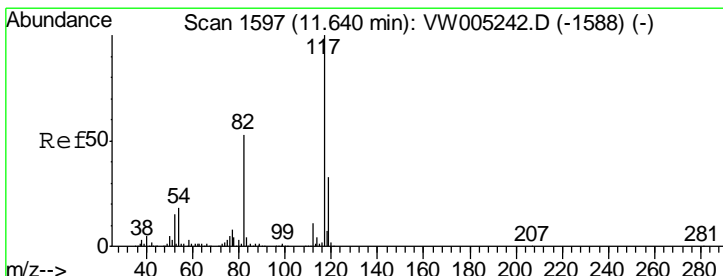
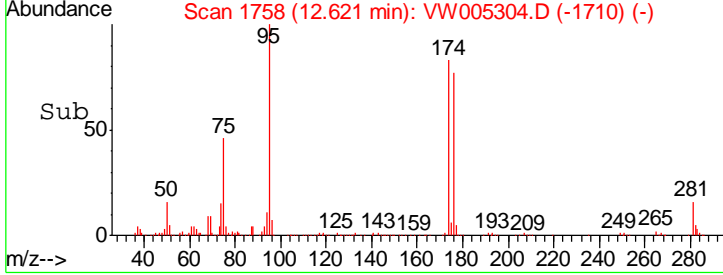
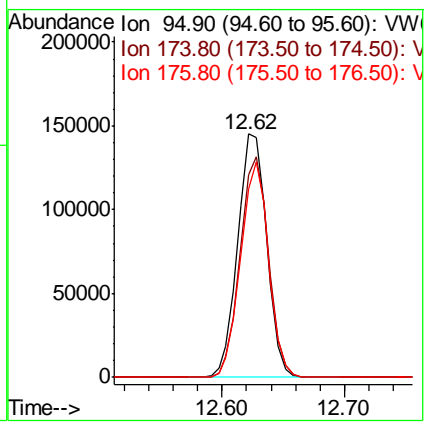
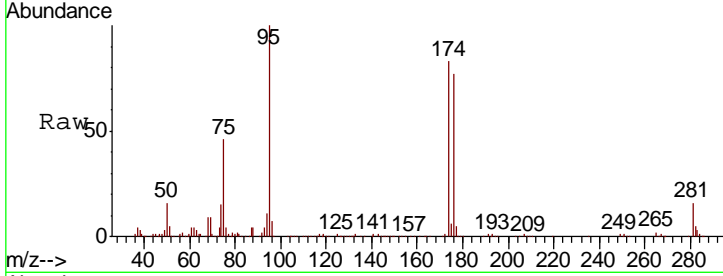


#62  
 4-Bromofluorobenzene  
 Concen: 33.914 ug/l  
 RT: 12.62 min Scan# 1758  
 Delta R.T. -0.01 min  
 Lab File: VW005304.D  
 Acq: 12 Sep 2018 05:30

Instrument : MSVOA\_W  
 ClientSampled : OILY-STONES-3-4FT

Tgt Ion: 95 Resp: 238351

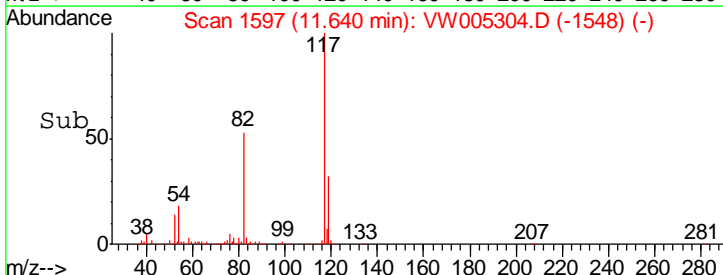
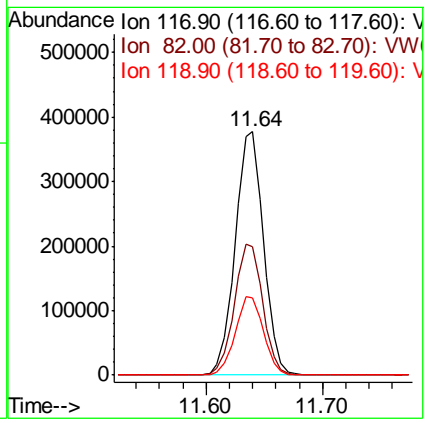
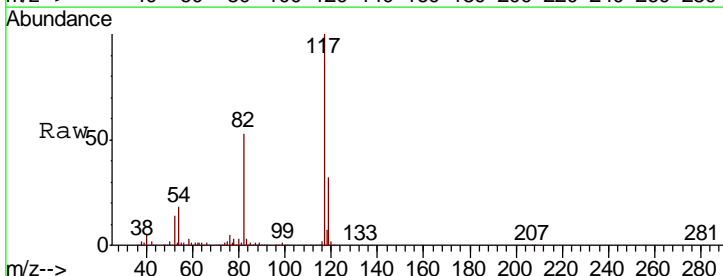
Ion	Ratio	Lower	Upper
95	100		
174	89.1	0.0	174.6
176	85.5	0.0	167.6

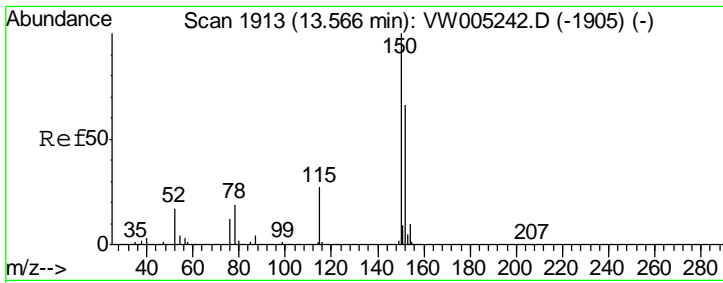


#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 11.64 min Scan# 1597  
 Delta R.T. 0.00 min  
 Lab File: VW005304.D  
 Acq: 12 Sep 2018 05:30

Tgt Ion: 117 Resp: 640094

Ion	Ratio	Lower	Upper
117	100		
82	52.7	42.6	63.8
119	31.6	26.2	39.4

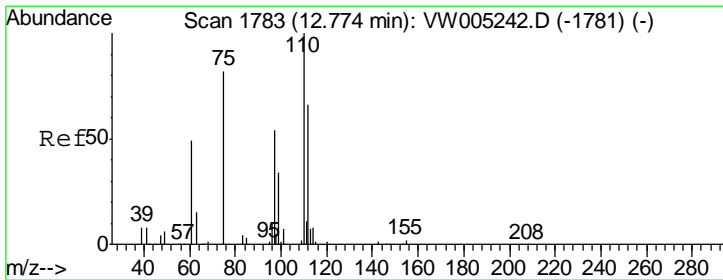
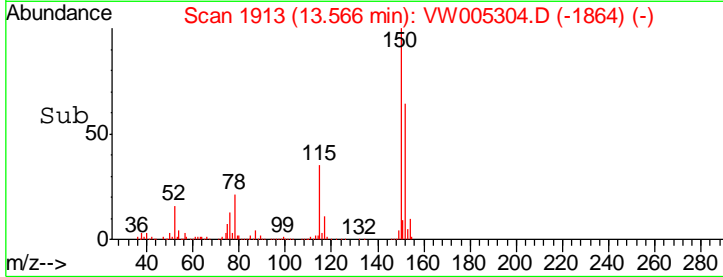
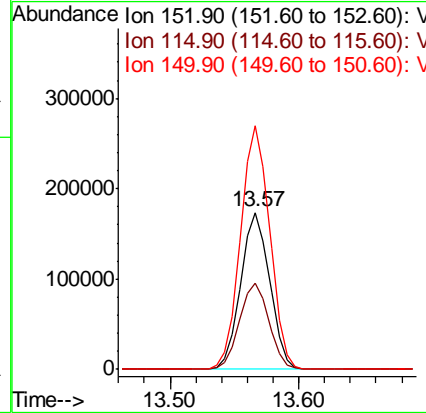
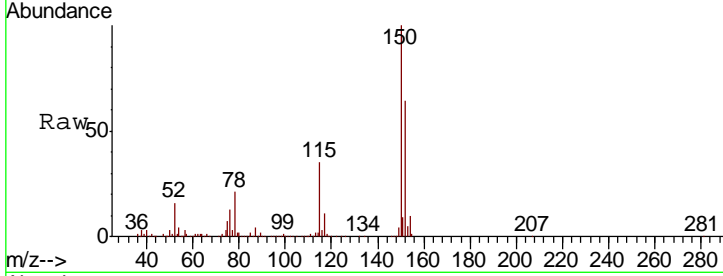




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.57 min Scan# 1913  
 Delta R.T. 0.00 min  
 Lab File: VW005304.D  
 Acq: 12 Sep 2018 05:30

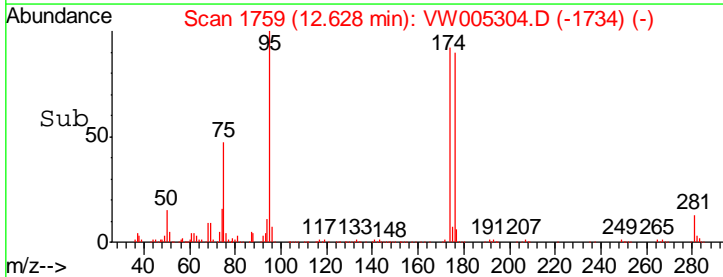
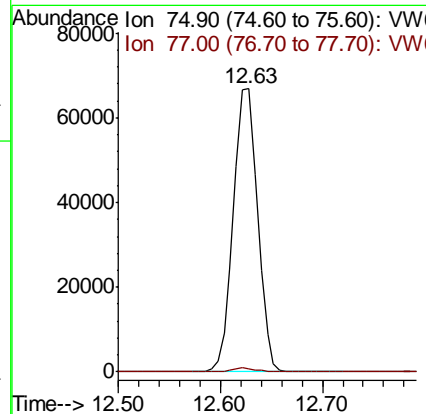
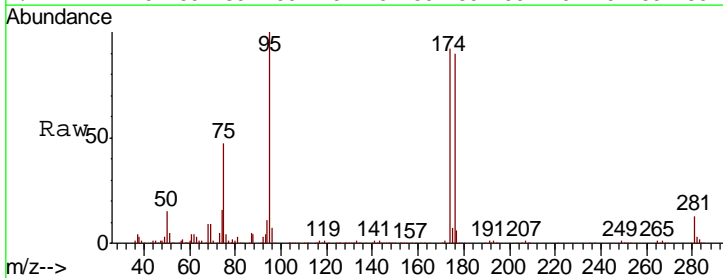
Instrument :  
 MSVOA\_W  
 ClientSampled :  
 OILY-STONES-3-4FT

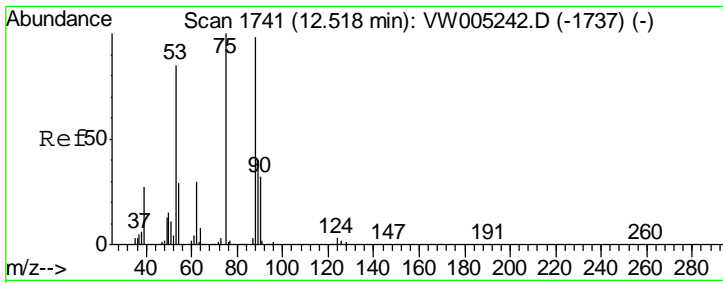
Tgt Ion	Resp	Lower	Upper
152	100		
115	55.8	27.5	82.4
150	156.5	0.0	347.4



#76  
 1,2,3-Trichloropropane  
 Concen: 52.975 ug/l  
 RT: 12.63 min Scan# 1759  
 Delta R.T. -0.15 min  
 Lab File: VW005304.D  
 Acq: 12 Sep 2018 05:30

Tgt Ion	Resp	Lower	Upper
75	100		
77	1.5	0.0	0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 124.239 ug/l  
 RT: 12.63 min Scan# 1759  
 Delta R.T. 0.11 min  
 Lab File: VW005304.D  
 Acq: 12 Sep 2018 05:30

Instrument : MSVOA\_W  
 ClientSampled : OILY-STONES-3-4FT

Tgt Ion	Resp	Lower	Upper
75	110312		
53	0.2	67.0	100.6#
89	0.0	37.0	55.4#

