

Data File : VW008341.D
Acq On : 17 Jan 2019 21:06
Operator : SY/VA
Sample : K1180-01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
OILY-STONES

Quant Time: Jan 18 01:11:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 18 00:57:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	83529	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	151447	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	142923	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	67348	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	52057	59.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.82%	
35) Dibromofluoromethane	7.88	113	48744	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
50) Toluene-d8	10.32	98	194102	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
62) 4-Bromofluorobenzene	12.62	95	64770	47.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.10%	

Target Compounds

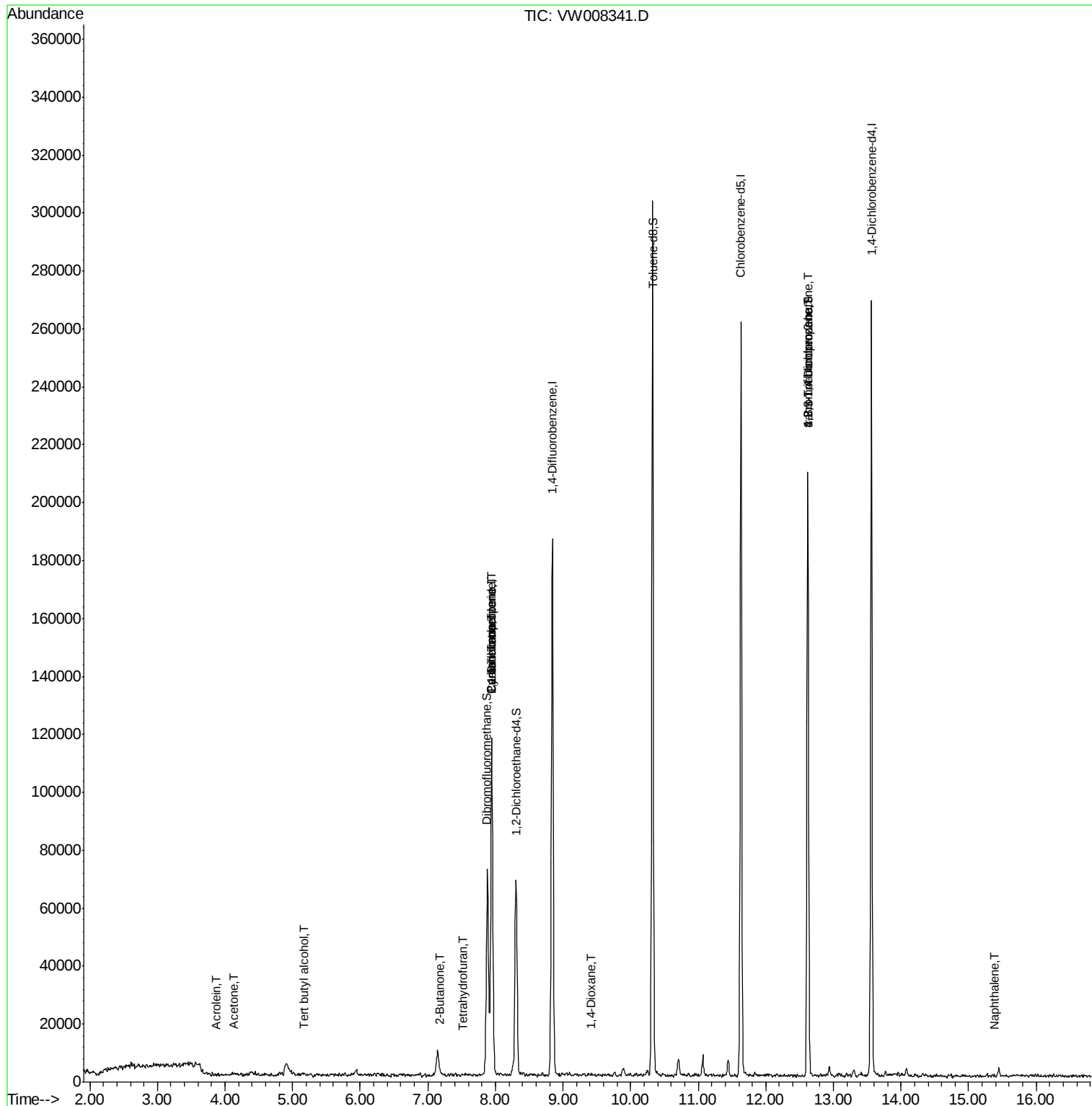
						Qvalue
11) Tert butyl alcohol	5.17	59	168	2.872	ug/l #	29
13) Acrolein	3.87	56	196	10.905	ug/l #	43
16) Acetone	4.13	43	1233	6.110	ug/l #	87
20) Methylene Chloride	4.90	84	1699	Below Cal		98
25) 2-Butanone	7.18	43	441	1.706	ug/l #	64
29) Tetrahydrofuran	7.52	42	216	1.341	ug/l #	53
31) Cyclohexane	7.94	56	2215	1.365	ug/l #	13
36) 1,1-Dichloropropene	7.95	75	7124	4.676	ug/l #	52
38) Carbon Tetrachloride	7.95	117	8710	5.789	ug/l #	18
49) 1,4-Dioxane	9.43	88	53	5.892	ug/l #	22
76) 1,2,3-Trichloropropane	12.62	75	32553	53.078	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	32553	126.666	ug/l #	12
95) Naphthalene	15.37	128	307	2.443	ug/l #	69

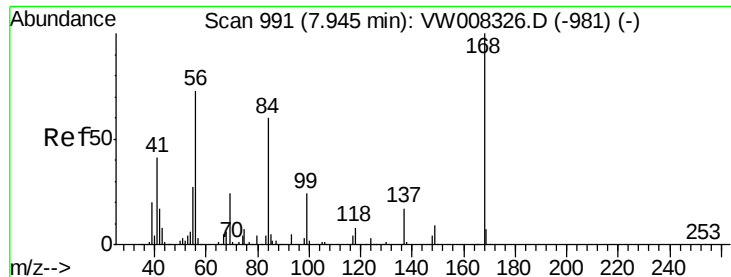
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008341.D

Acq: 17 Jan 2019 21:06

Instrument :

MSVOA_W

ClientSampleId :

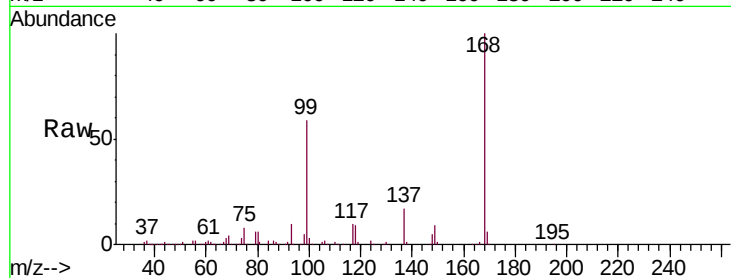
OILY-STONES

Tgt Ion:168 Resp: 83529

Ion Ratio Lower Upper

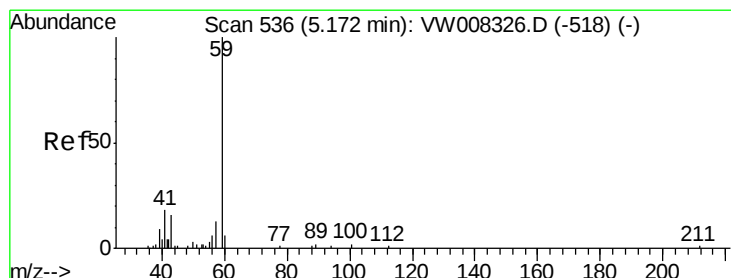
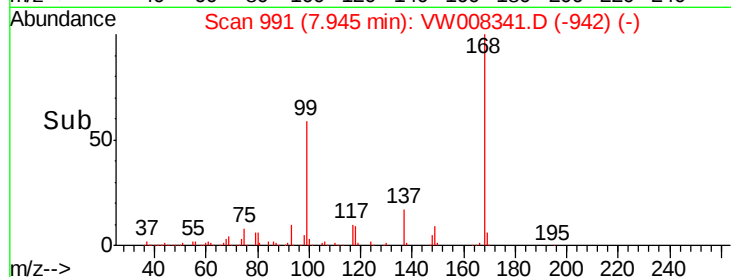
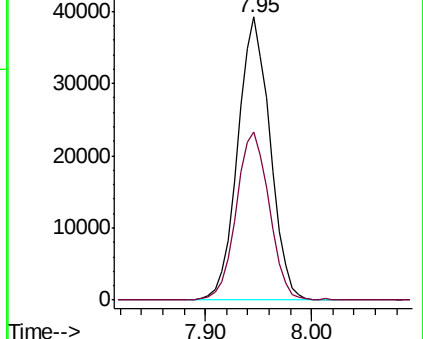
168 100

99 59.2 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 2.872 ug/l

RT: 5.17 min Scan# 536

Delta R.T. -0.00 min

Lab File: VW008341.D

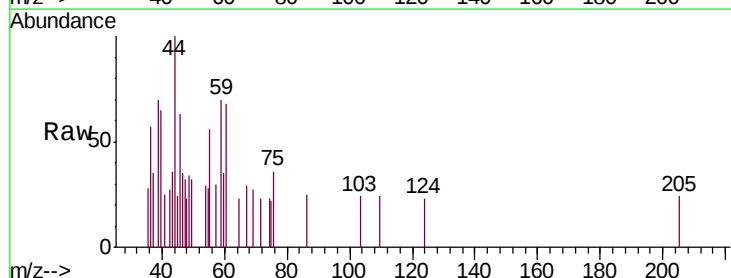
Acq: 17 Jan 2019 21:06

Tgt Ion: 59 Resp: 168

Ion Ratio Lower Upper

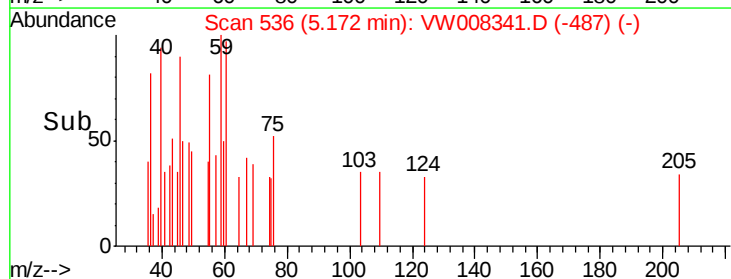
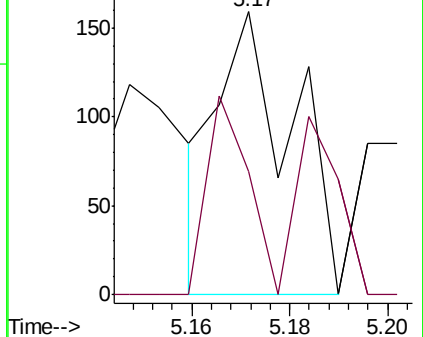
59 100

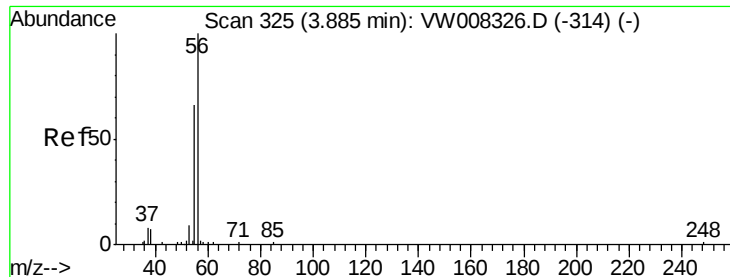
57 39.3 9.4 14.2#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 10.905 ug/l

RT: 3.87 min Scan# 323

Delta R.T. -0.01 min

Lab File: VW008341.D

Acq: 17 Jan 2019 21:06

Instrument :

MSVOA_W

ClientSampleId :

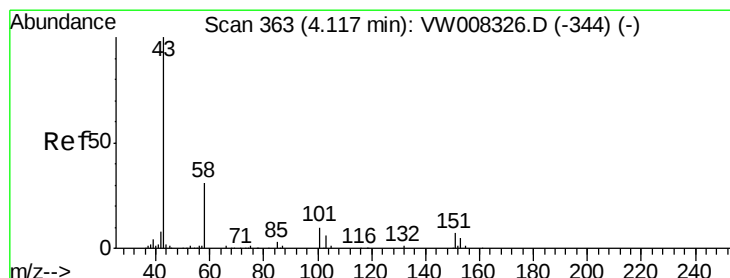
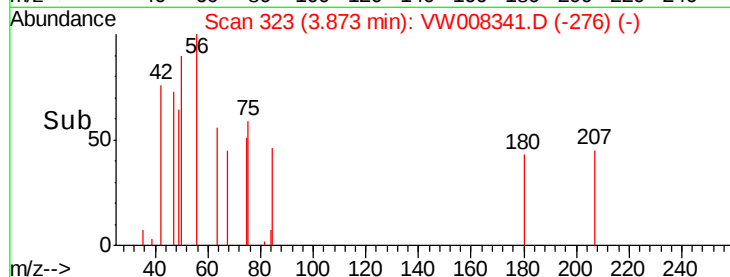
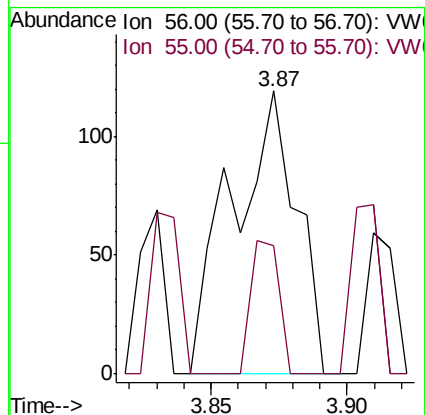
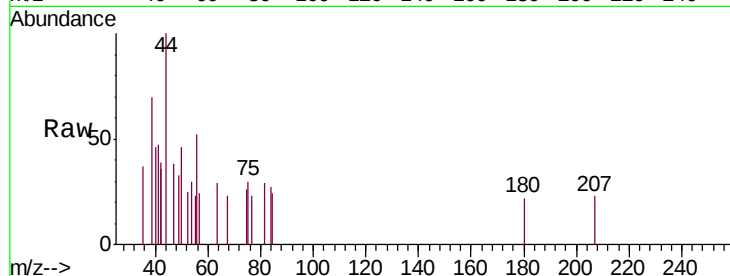
OILY-STONES

Tgt Ion: 56 Resp: 196

Ion Ratio Lower Upper

56 100

55 20.4 52.9 79.3#



#16

Acetone

Concen: 6.110 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008341.D

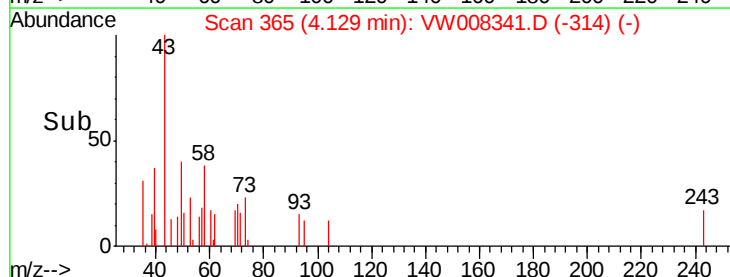
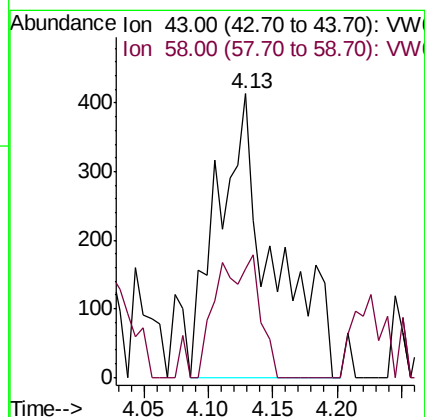
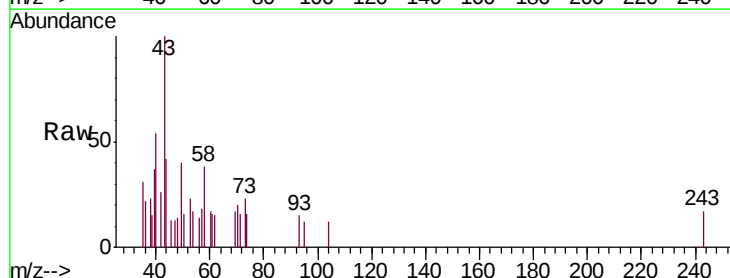
Acq: 17 Jan 2019 21:06

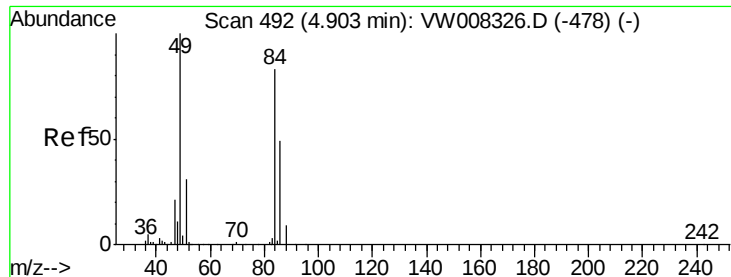
Tgt Ion: 43 Resp: 1233

Ion Ratio Lower Upper

43 100

58 38.3 24.7 37.1#

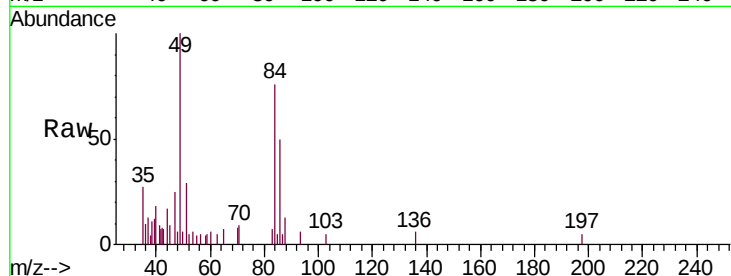




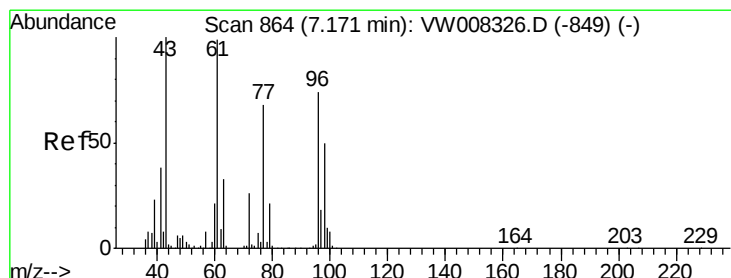
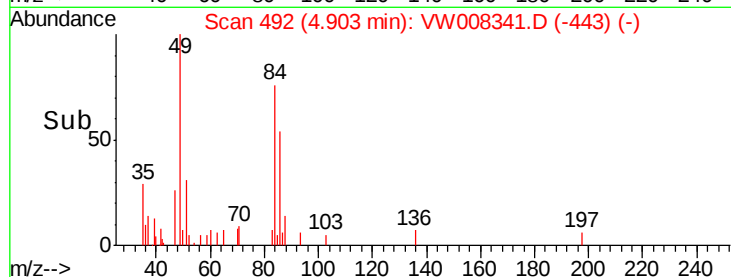
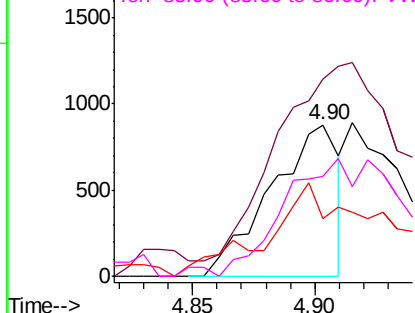
#20
Methylene Chloride
Concen: Below Cal
RT: 4.90 min Scan# 492
Delta R.T. 0.00 min
Lab File: VW008341.D
Acq: 17 Jan 2019 21:06

Instrument :
MSVOA_W
ClientSampleId :
OILY-STONES

Tgt Ion:	84	Resp:	1699
Ion	Ratio	Lower	Upper
84	100		
49	121.0	95.9	143.9
51	31.1	29.3	43.9
86	59.9	47.4	71.2

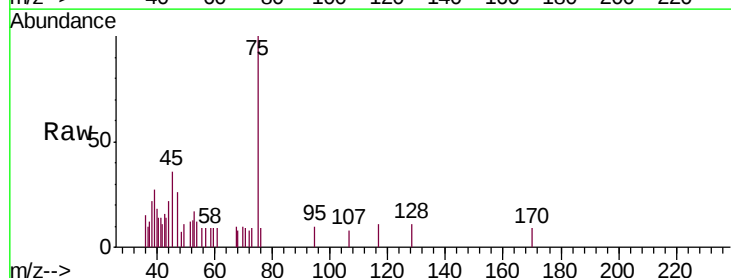


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

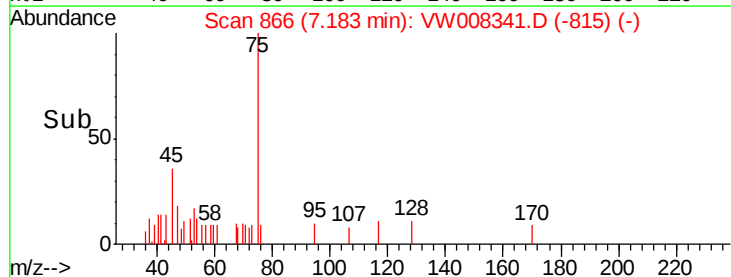
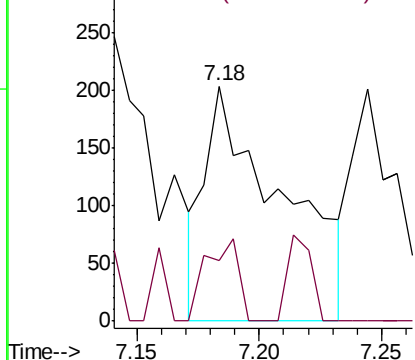


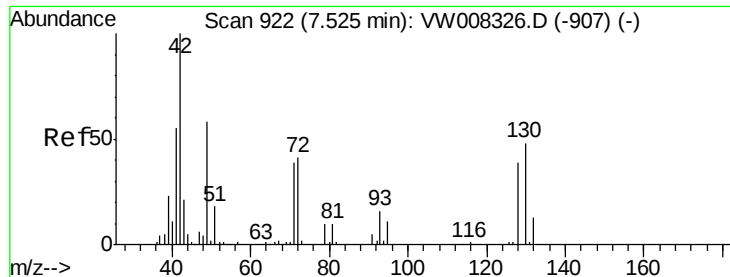
#25
2-Butanone
Concen: 1.706 ug/l
RT: 7.18 min Scan# 866
Delta R.T. 0.01 min
Lab File: VW008341.D
Acq: 17 Jan 2019 21:06

Tgt Ion:	43	Resp:	441
Ion	Ratio	Lower	Upper
43	100		
72	44.8	21.2	31.8#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW





#29

Tetrahydrofuran

Concen: 1.341 ug/l

RT: 7.52 min Scan# 921

Delta R.T. -0.01 min

Lab File: VW008341.D

Acq: 17 Jan 2019 21:06

Instrument :

MSVOA_W

ClientSampled :

OILY-STONES

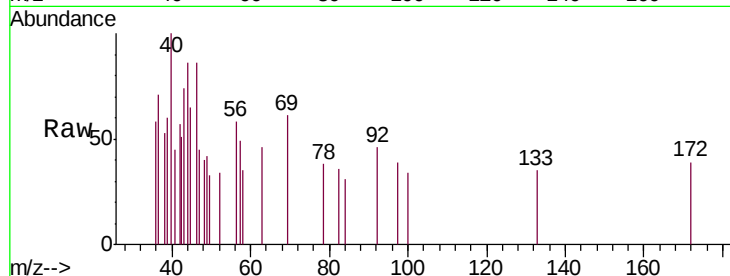
Tgt Ion: 42 Resp: 216

Ion Ratio Lower Upper

42 100

72 23.6 34.0 51.0#

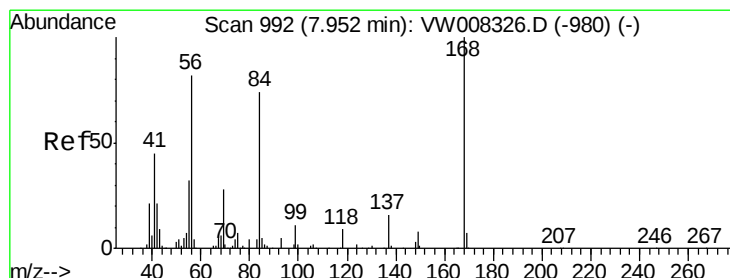
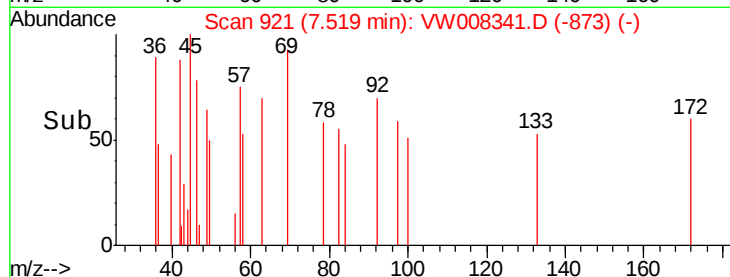
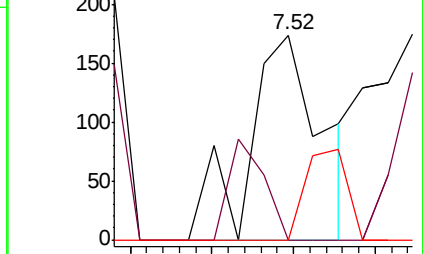
71 0.0 32.0 48.0#



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW



#31

Cyclohexane

Concen: 1.365 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW008341.D

Acq: 17 Jan 2019 21:06

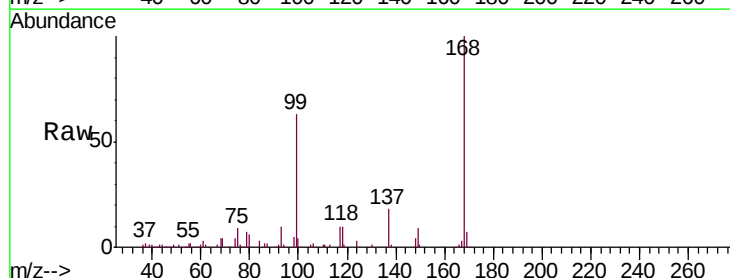
Tgt Ion: 56 Resp: 2215

Ion Ratio Lower Upper

56 100

69 172.0 27.0 40.6#

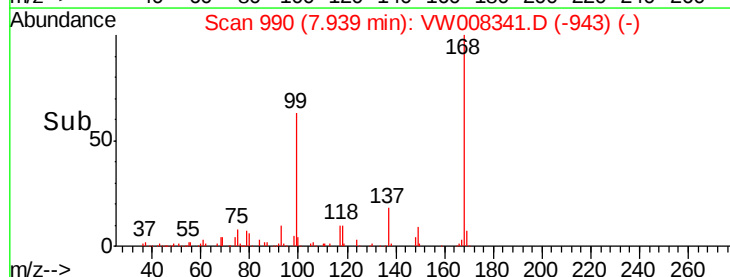
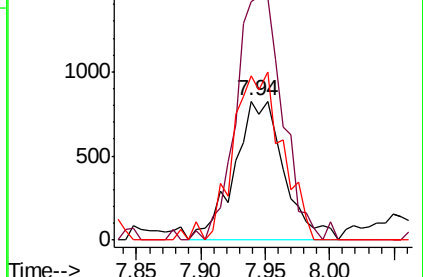
84 118.0 72.5 108.7#

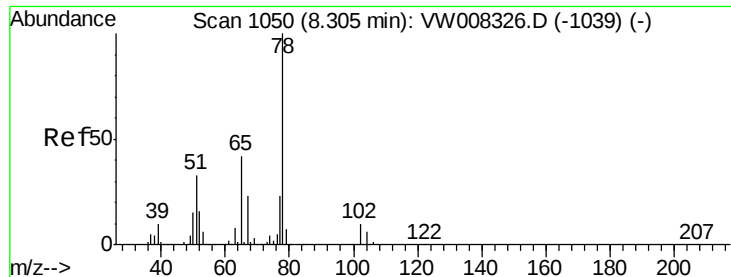


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

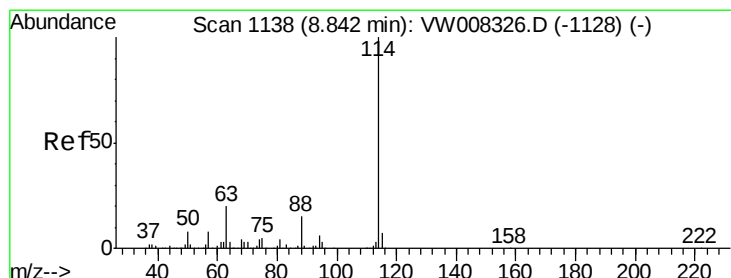
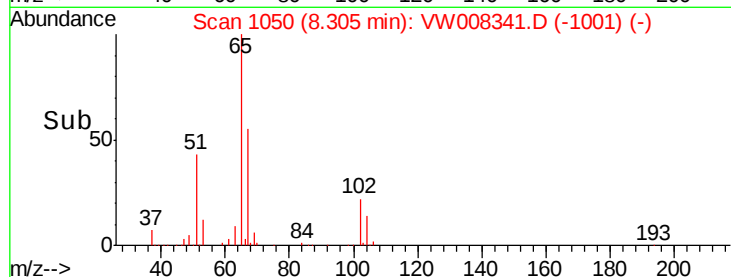
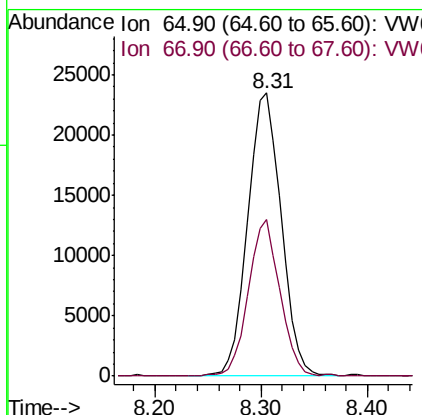
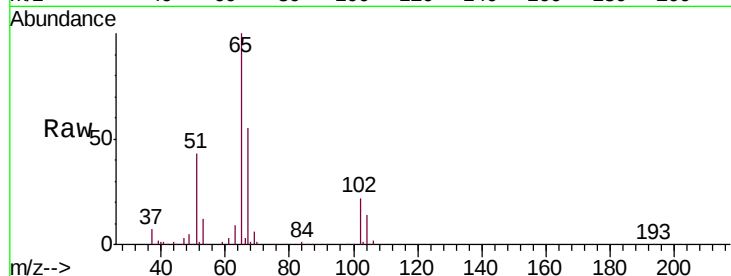




#33
 1,2-Dichloroethane-d4
 Concen: 59.912 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008341.D
 Acq: 17 Jan 2019 21:06

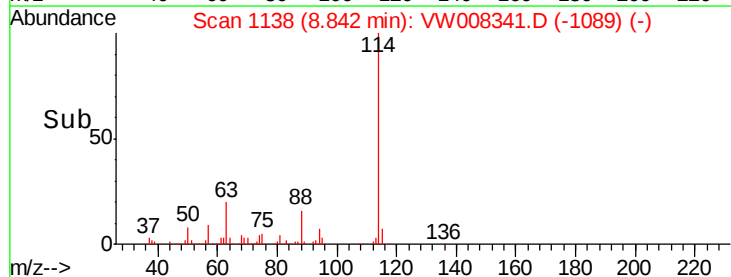
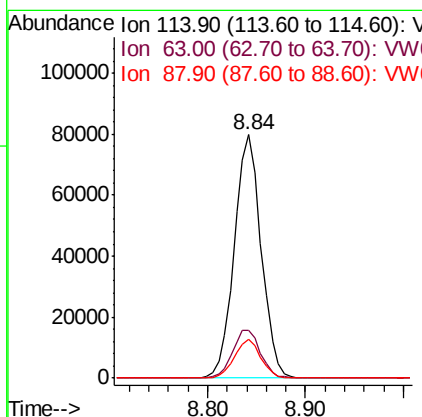
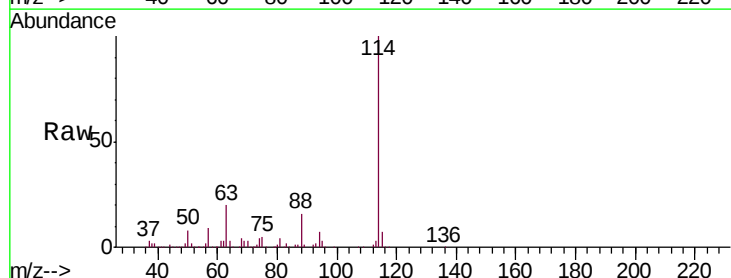
Instrument :
 MSVOA_W
 ClientSampleId :
 OILY-STONES

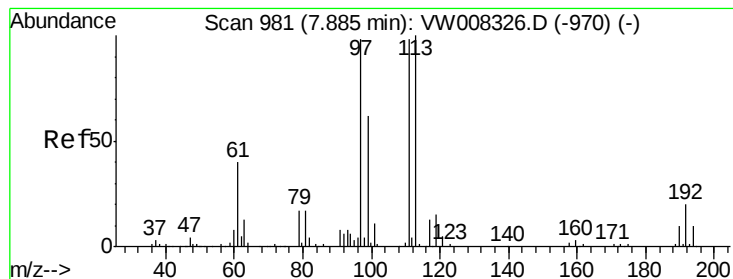
Tgt Ion: 65 Resp: 52057
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008341.D
 Acq: 17 Jan 2019 21:06

Tgt Ion: 114 Resp: 151447
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.8
 88 16.0 0.0 30.4





#35

Dibromofluoromethane

Concen: 50.421 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW008341.D

Acq: 17 Jan 2019 21:06

Instrument :

MSVOA_W

ClientSampleId :

OILY-STONES

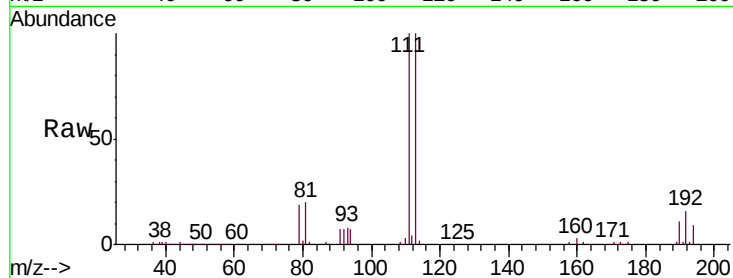
Tgt Ion:113 Resp: 48744

Ion Ratio Lower Upper

113 100

111 105.5 81.8 122.8

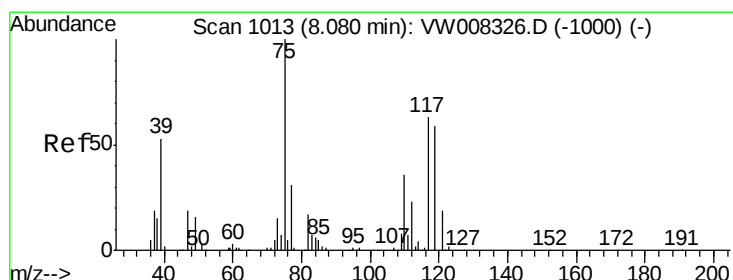
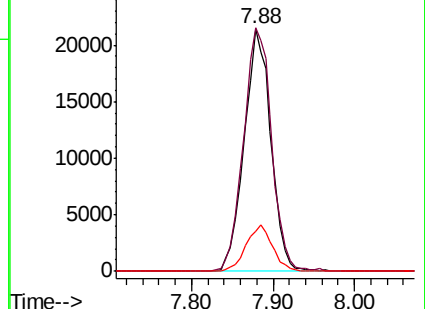
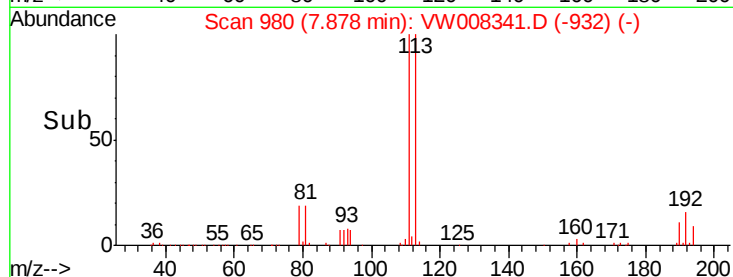
192 18.7 16.3 24.5



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.676 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW008341.D

Acq: 17 Jan 2019 21:06

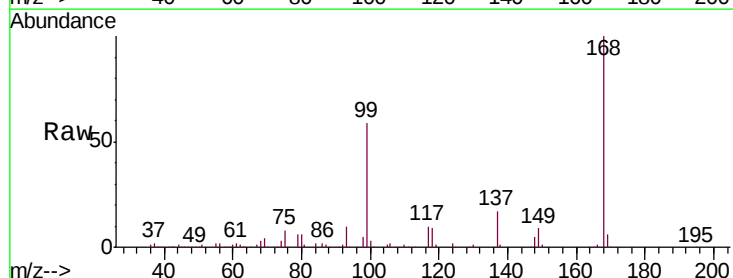
Tgt Ion: 75 Resp: 7124

Ion Ratio Lower Upper

75 100

110 10.8 17.5 52.6#

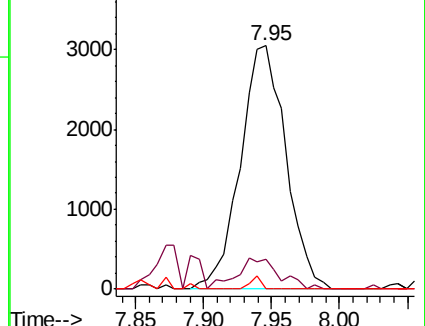
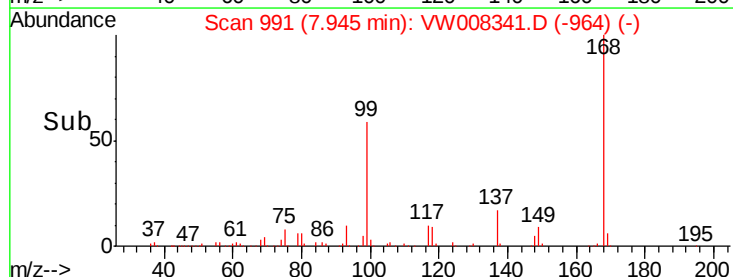
77 1.2 25.0 37.6#

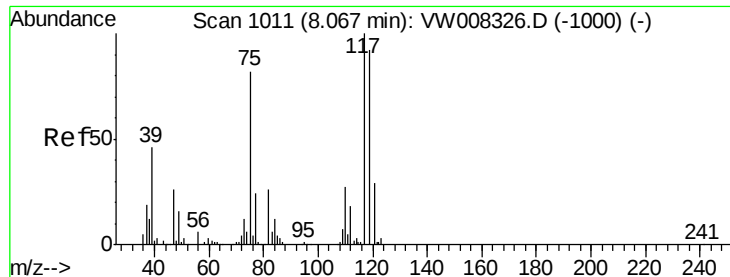


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

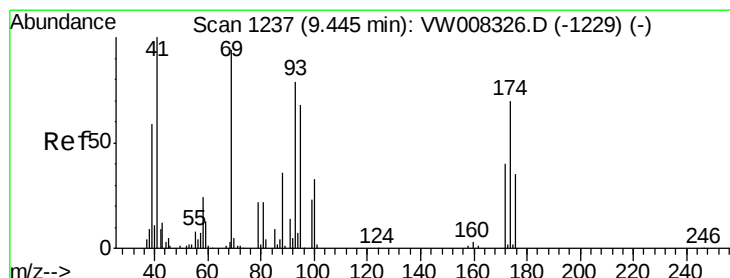
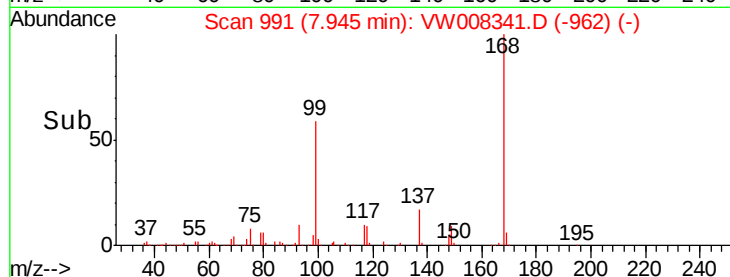
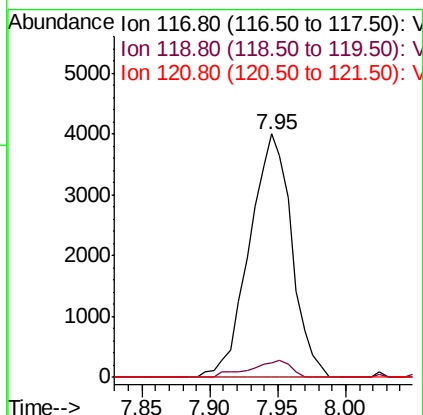
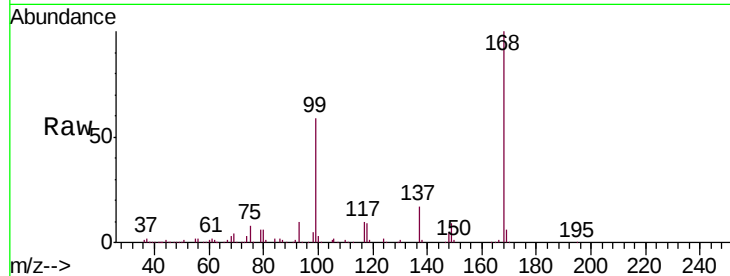




#38
Carbon Tetrachloride
Concen: 5.789 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW008341.D
Acq: 17 Jan 2019 21:06

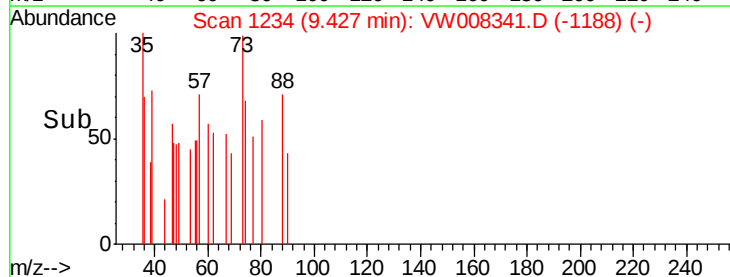
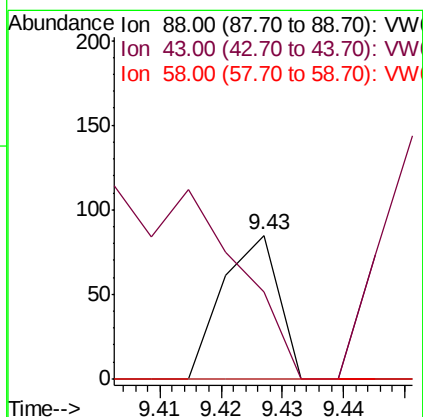
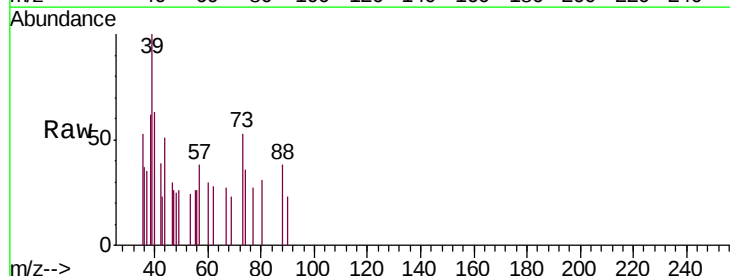
Instrument :
MSVOA_W
ClientSampled :
OILY-STONES

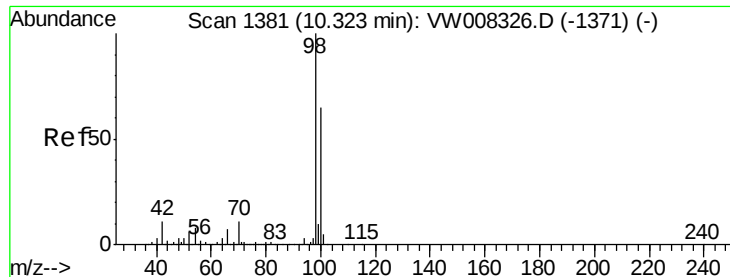
Tgt Ion: 117 Resp: 8710
Ion Ratio Lower Upper
117 100
119 5.8 73.8 110.6#
121 0.0 23.4 35.0#



#49
1,4-Dioxane
Concen: 5.892 ug/l
RT: 9.43 min Scan# 1234
Delta R.T. -0.02 min
Lab File: VW008341.D
Acq: 17 Jan 2019 21:06

Tgt Ion: 88 Resp: 53
Ion Ratio Lower Upper
88 100
43 0.0 27.1 40.7#
58 0.0 57.9 86.9#





#50

Toluene-d8

Concen: 51.108 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008341.D

Acq: 17 Jan 2019 21:06

Instrument :

MSVOA_W

ClientSampleId :

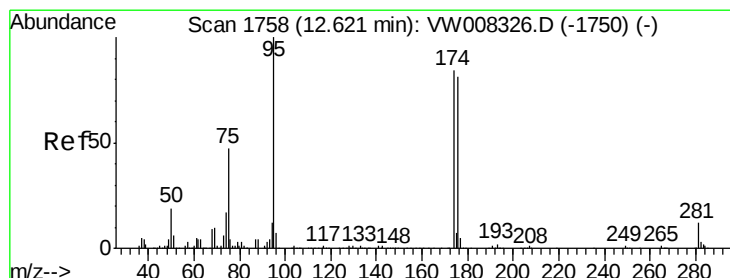
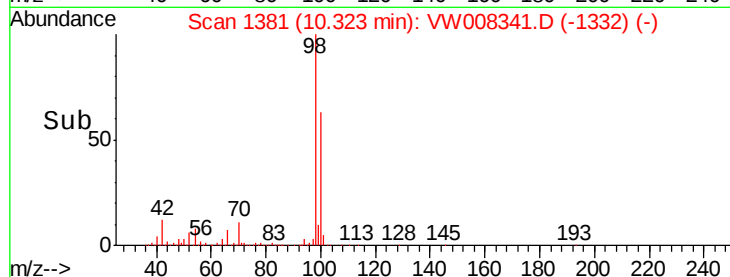
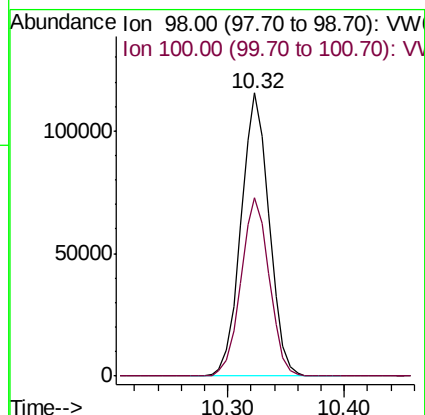
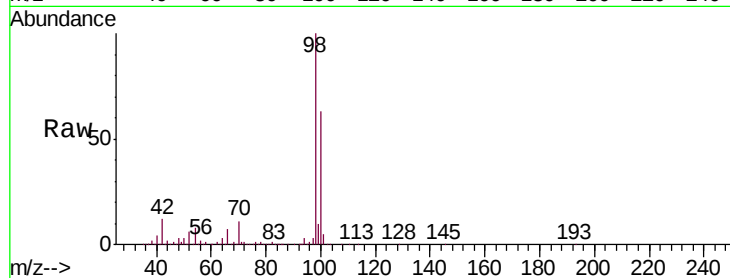
OILY-STONES

Tgt Ion: 98 Resp: 194102

Ion Ratio Lower Upper

98 100

100 63.4 51.8 77.8



#62

4-Bromofluorobenzene

Concen: 47.551 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008341.D

Acq: 17 Jan 2019 21:06

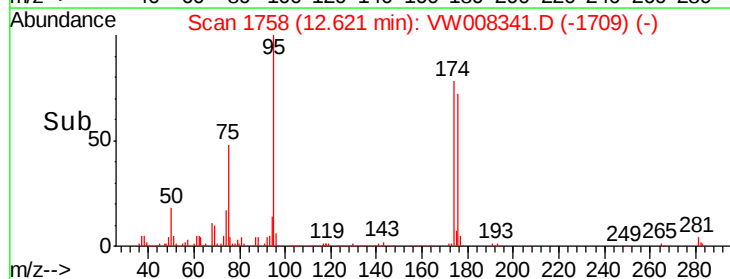
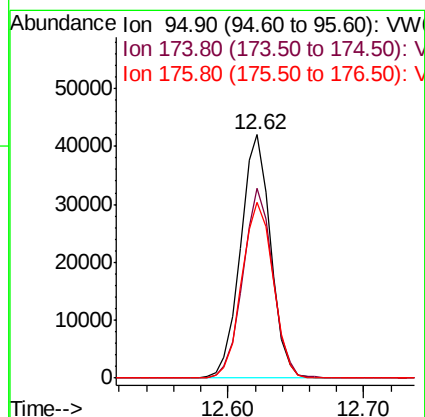
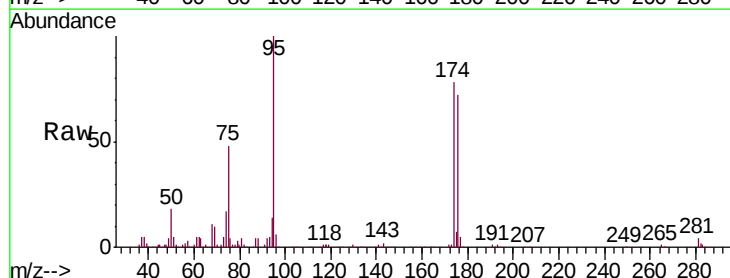
Tgt Ion: 95 Resp: 64770

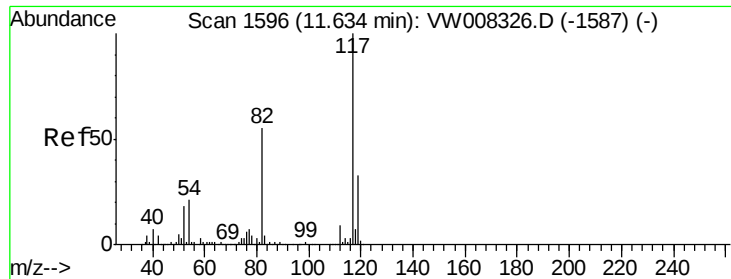
Ion Ratio Lower Upper

95 100

174 77.7 0.0 166.0

176 75.7 0.0 160.0

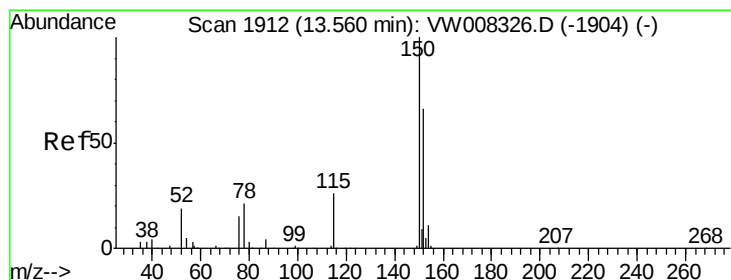
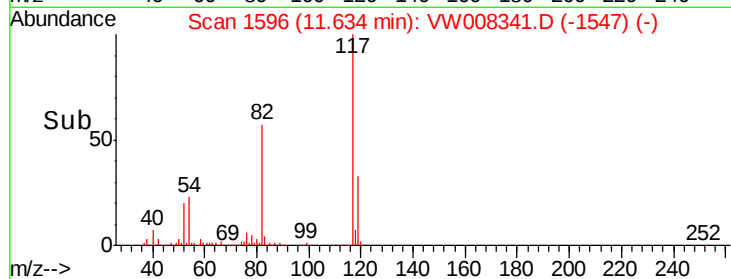
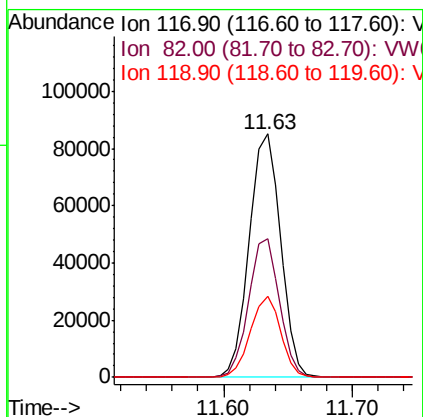
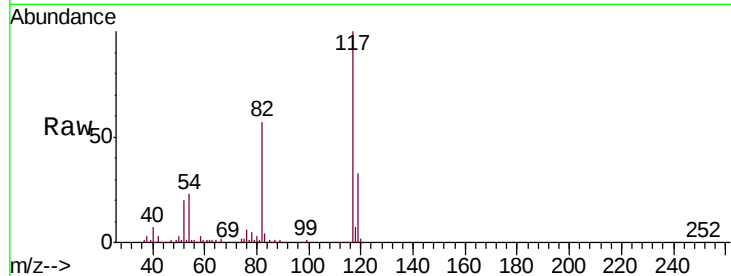




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008341.D
Acq: 17 Jan 2019 21:06

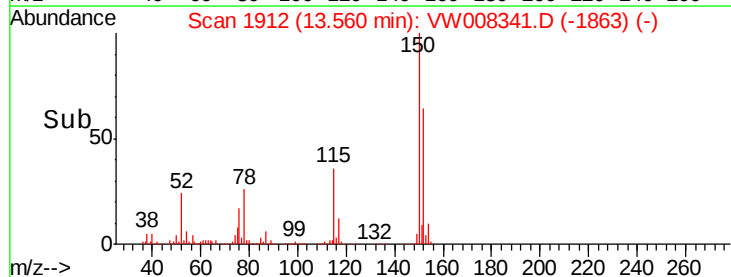
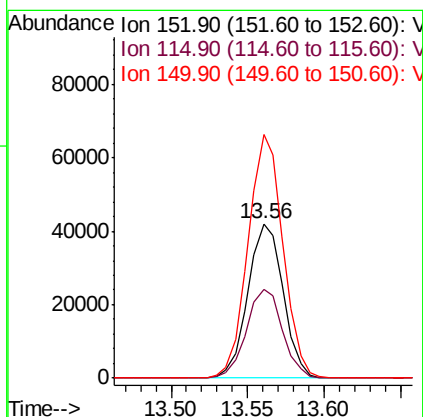
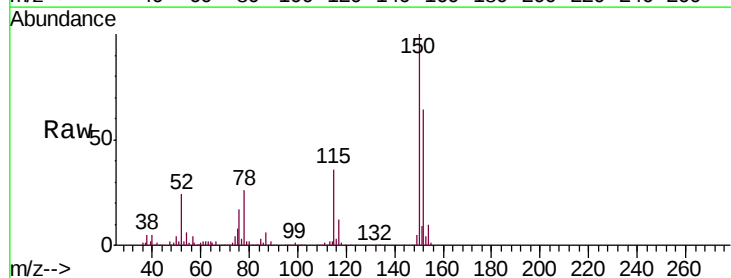
Instrument :
MSVOA_W
ClientSampleId :
OILY-STONES

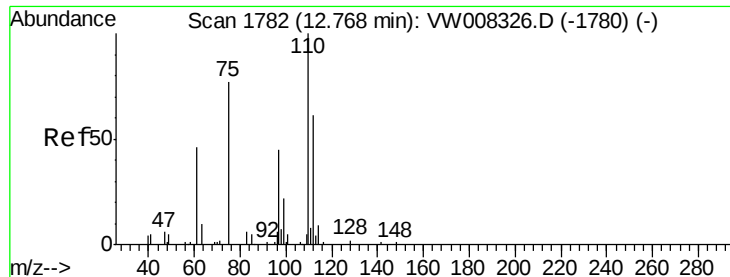
Tgt Ion:117 Resp: 142923
Ion Ratio Lower Upper
117 100
82 56.9 44.3 66.5
119 33.4 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW008341.D
Acq: 17 Jan 2019 21:06

Tgt Ion:152 Resp: 67348
Ion Ratio Lower Upper
152 100
115 59.0 28.8 86.4
150 155.9 0.0 351.4





#76

1,2,3-Trichloropropane

Concen: 53.078 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008341.D

Acq: 17 Jan 2019 21:06

Instrument :

MSVOA_W

ClientSampleId :

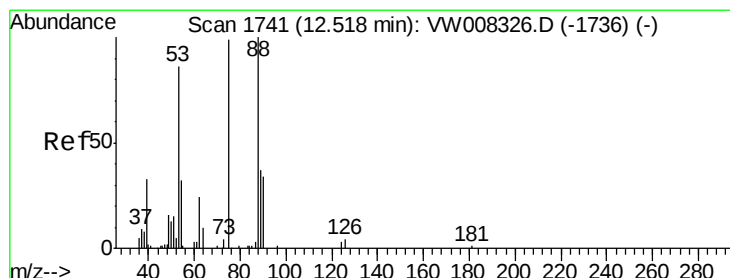
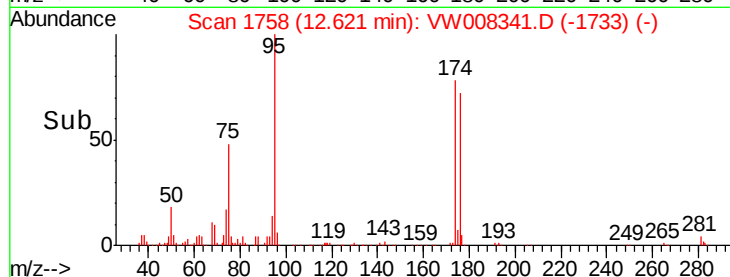
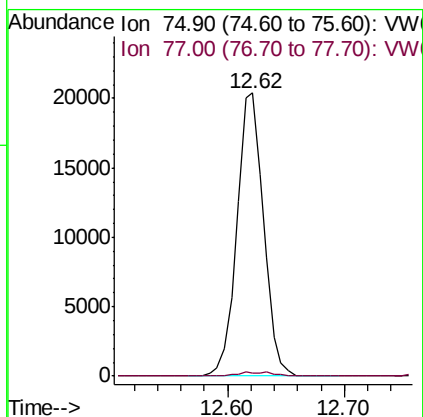
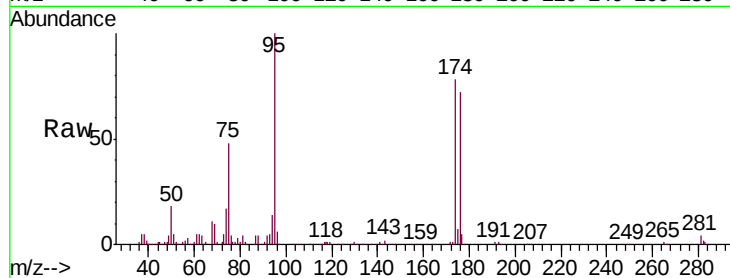
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Tgt Ion: 75 Resp: 32553

Ion Ratio Lower Upper

75 100

77 1.7 175.3 526.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 126.666 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW008341.D

Acq: 17 Jan 2019 21:06

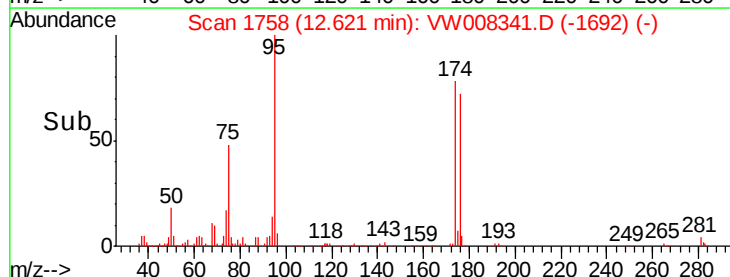
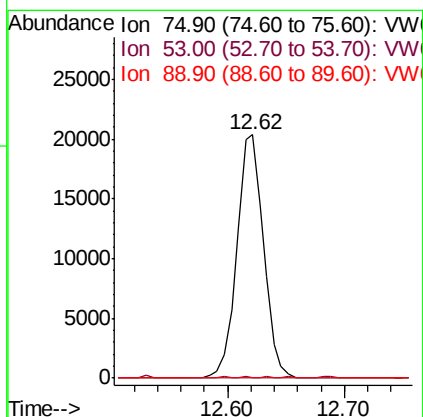
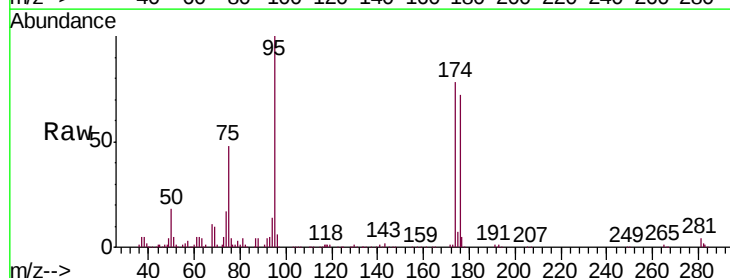
Tgt Ion: 75 Resp: 32553

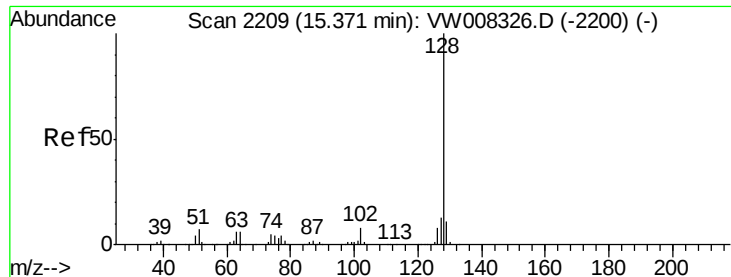
Ion Ratio Lower Upper

75 100

53 0.8 76.2 114.4#

89 0.0 36.7 55.1#





#95

Naphthalene

Concen: 2.443 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW008341.D

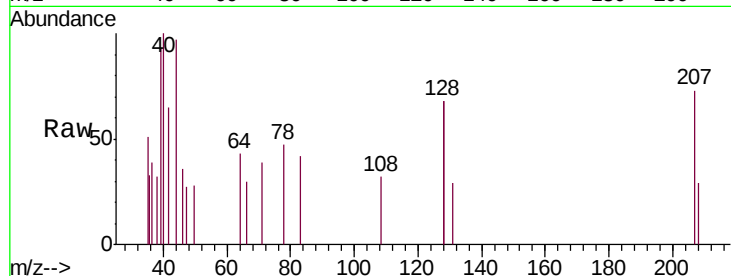
Acq: 17 Jan 2019 21:06

Instrument :

MSVOA_W

ClientSampleId :

OILY-STONES



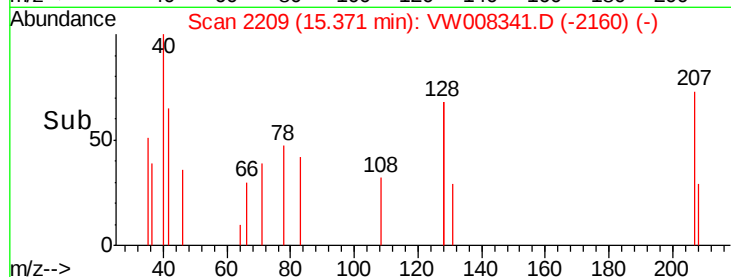
Tgt Ion:128 Resp: 307

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

