

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 01:22:30 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			Recovery	=	148.38%	
35) Dibromofluoromethane	7.88	113	111838	58.06	ug/l	0.00
Spiked Amount			Recovery	=	116.12%	
50) Toluene-d8	10.33	98	299372	40.39	ug/l	0.00
Spiked Amount			Recovery	=	80.78%	
62) 4-Bromofluorobenzene	12.62	95	65545	23.24	ug/l	0.00
Spiked Amount			Recovery	=	46.48%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	5.23	59	4051	33.188	ug/l #	88
16) Acetone	4.14	43	45404	136.483	ug/l	100
18) Methyl Acetate	4.68	43	2926	3.485	ug/l	95
20) Methylene Chloride	4.91	84	6773	4.064	ug/l #	89
25) 2-Butanone	7.18	43	17863	37.752	ug/l	99
26) 2,2-Dichloropropane	7.16	77	2333	1.125	ug/l #	52
29) Tetrahydrofuran	7.54	42	638	2.133	ug/l #	43
31) Cyclohexane	7.95	56	3974	1.363	ug/l #	12
36) 1,1-Dichloropropene	7.95	75	11249	3.891	ug/l #	50
37) Ethyl Acetate	7.18	43	17863	14.590	ug/l #	69
38) Carbon Tetrachloride	7.95	117	15805	5.088	ug/l #	13
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
74) N-amyl acetate	12.24	43	5105	7.502	ug/l #	49
76) 1,2,3-Trichloropropane	12.62	75	33650	96.022	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	33650	202.713	ug/l #	11
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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

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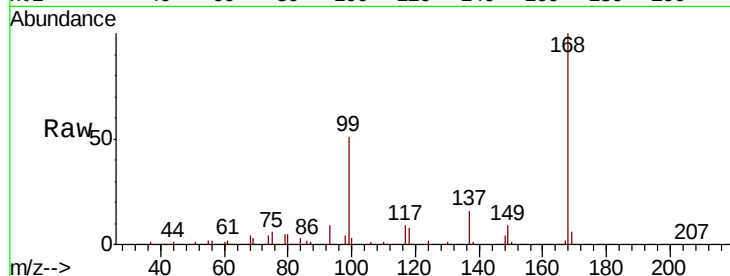
OILY-DEBRISRE

Tgt Ion:168 Resp: 171564

Ion Ratio Lower Upper

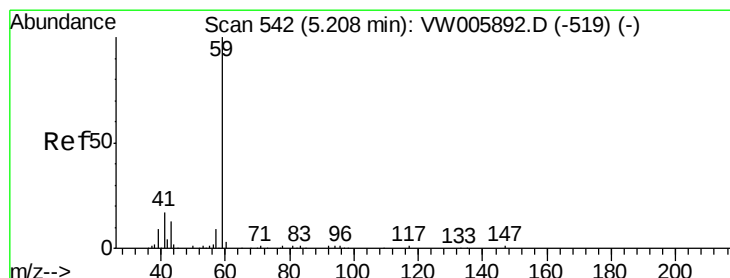
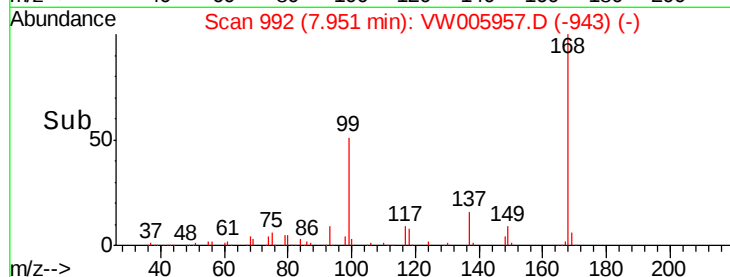
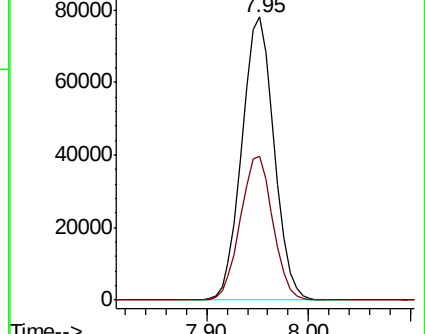
168 100

99 51.0 40.9 61.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 33.188 ug/l

RT: 5.23 min Scan# 545

Delta R.T. 0.02 min

Lab File: VW005957.D

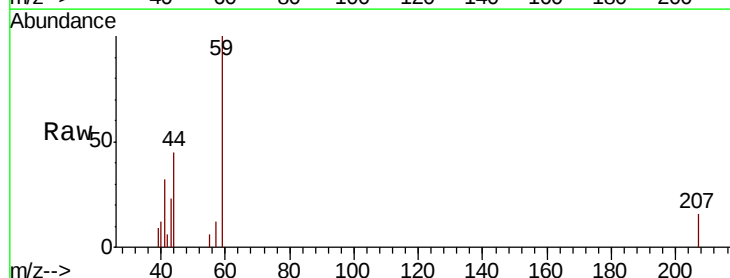
Acq: 10 Oct 2018 00:05

Tgt Ion: 59 Resp: 4051

Ion Ratio Lower Upper

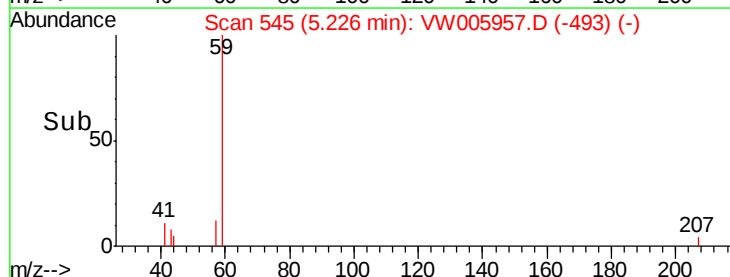
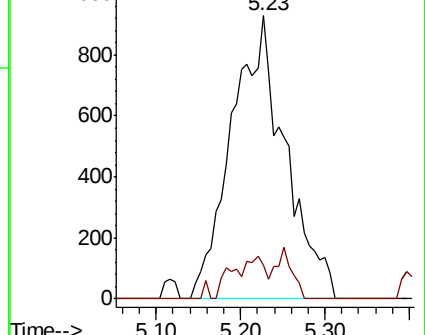
59 100

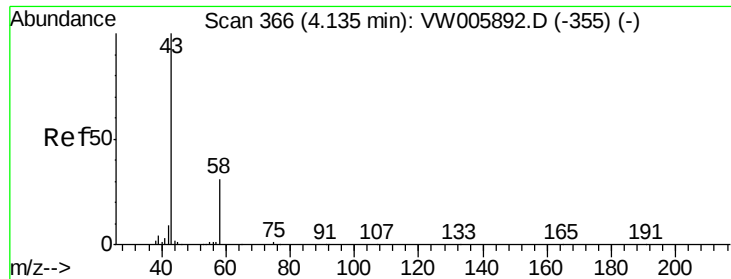
57 5.0 7.7 11.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#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

Instrument :

MSVOA_W

ClientSampleId :

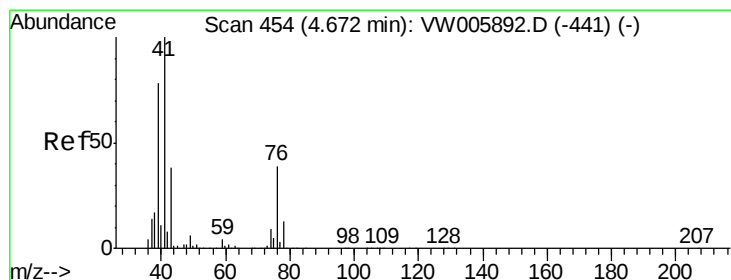
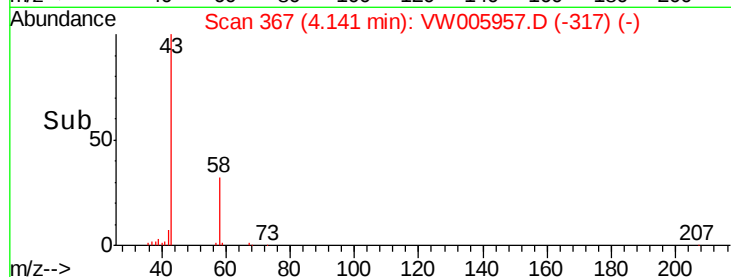
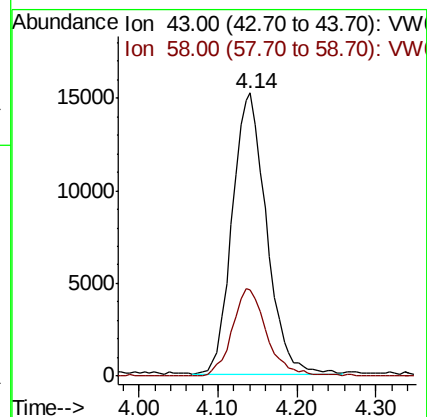
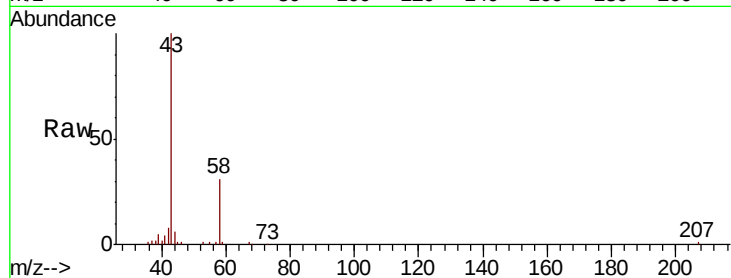
OILY-DEBRISRE

Tgt Ion: 43 Resp: 45404

Ion Ratio Lower Upper

43 100

58 30.9 24.7 37.1



#18

Methyl Acetate

Concen: 3.485 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW005957.D

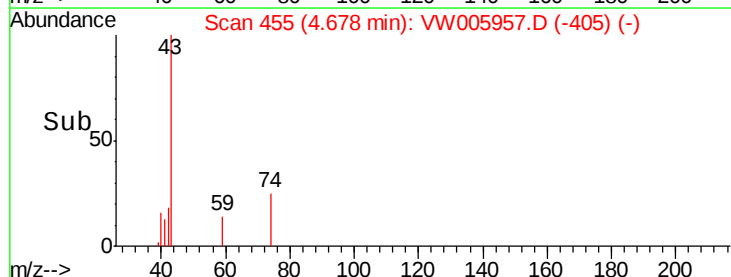
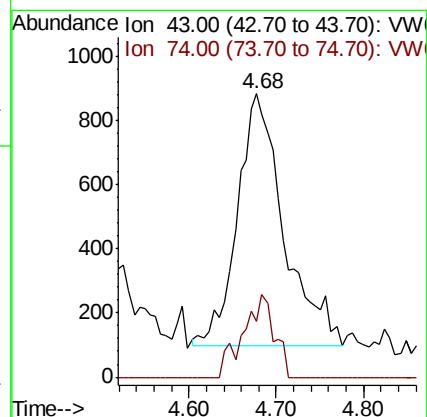
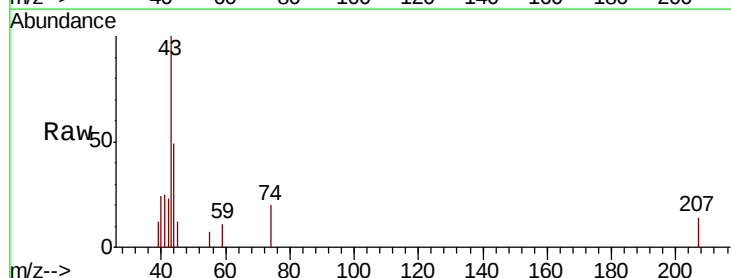
Acq: 10 Oct 2018 00:05

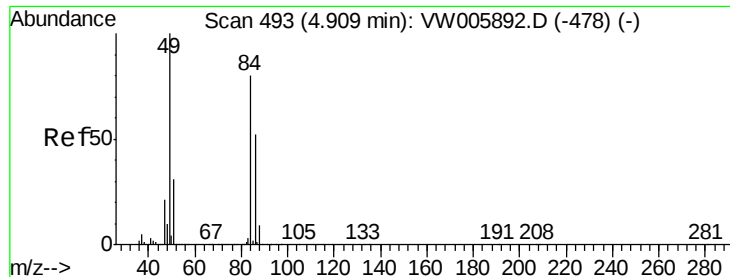
Tgt Ion: 43 Resp: 2926

Ion Ratio Lower Upper

43 100

74 21.5 19.2 28.8

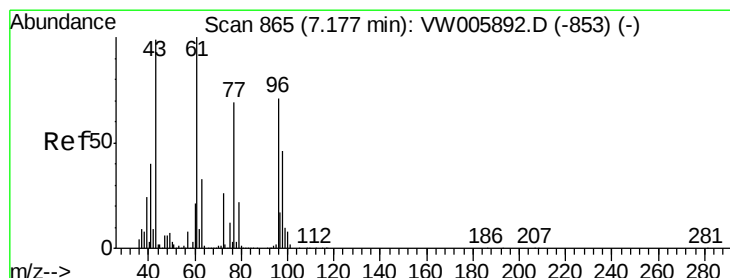
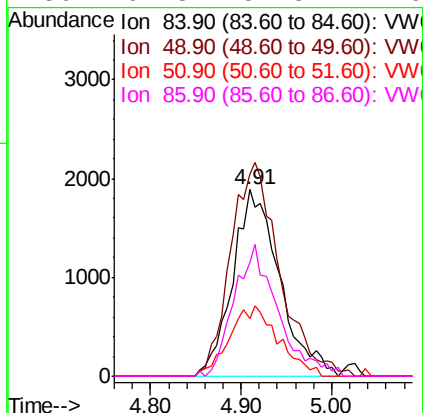
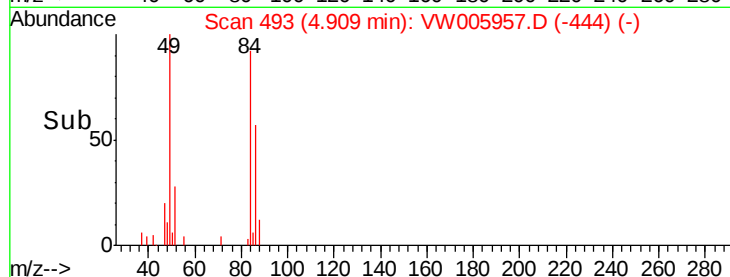
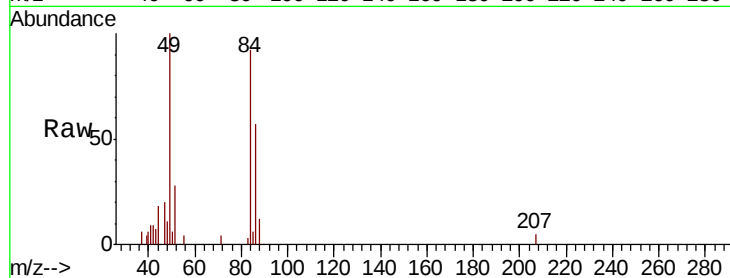




#20
Methylene Chloride
Concen: 4.064 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW005957.D
Acq: 10 Oct 2018 00:05

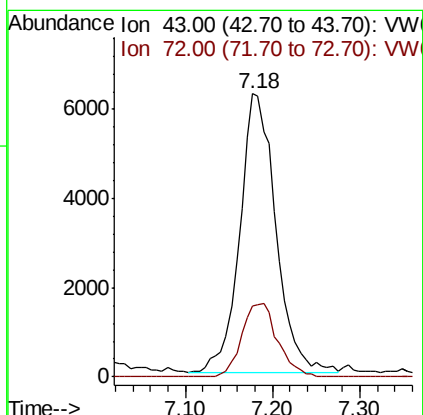
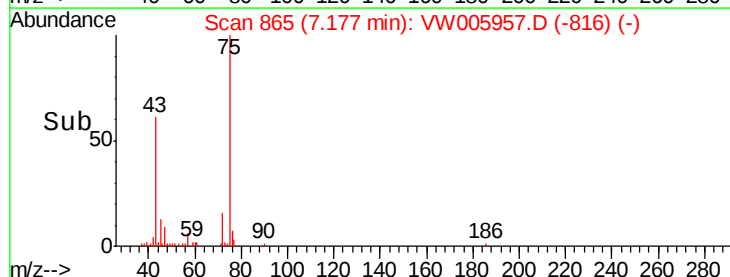
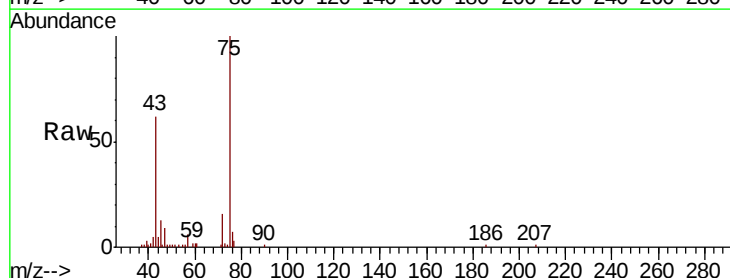
Instrument :
MSVOA_W
ClientSampleId :
OILY-DEBRISRE

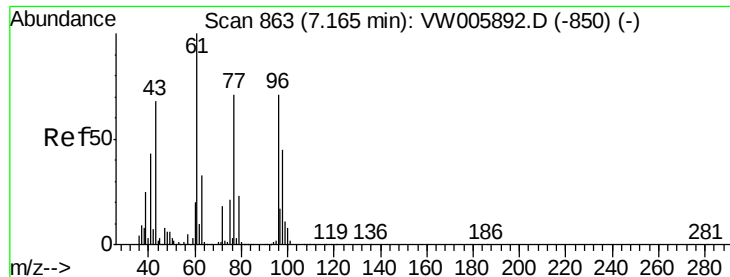
Tgt Ion: 84 Resp: 6773
Ion Ratio Lower Upper
84 100
49 108.4 99.9 149.9
51 30.9 31.1 46.7#
86 61.3 51.8 77.6



#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: 43 Resp: 17863
Ion Ratio Lower Upper
43 100
72 25.6 21.0 31.4





#26

2,2-Dichloropropane

Concen: 1.125 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW005957.D

Acq: 10 Oct 2018 00:05

Instrument :

MSVOA_W

ClientSampleId :

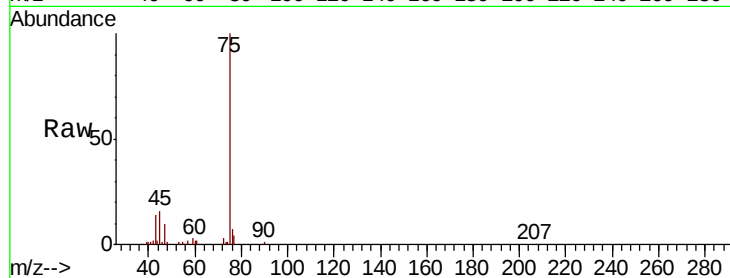
OILY-DEBRISRE

Tgt Ion: 77 Resp: 2333

Ion Ratio Lower Upper

77 100

97 0.0 11.9 35.7#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

7.16

800

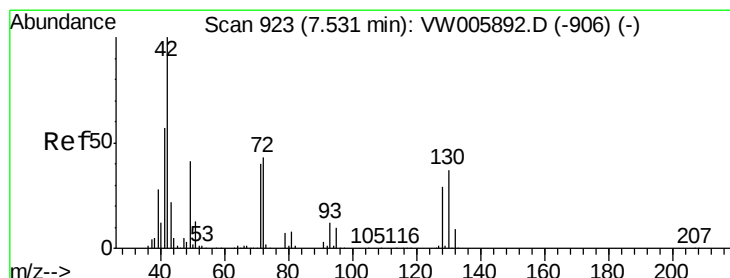
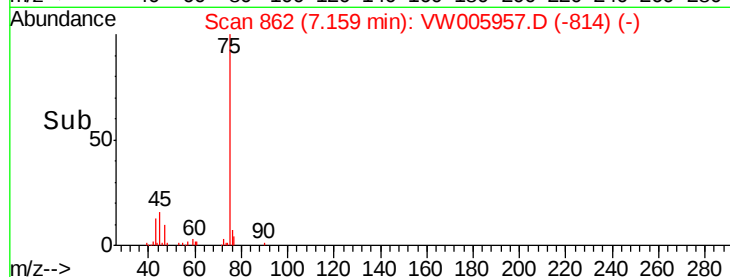
600

400

200

0

Time--> 7.05 7.10 7.15 7.20 7.25



#29

Tetrahydrofuran

Concen: 2.133 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW005957.D

Acq: 10 Oct 2018 00:05

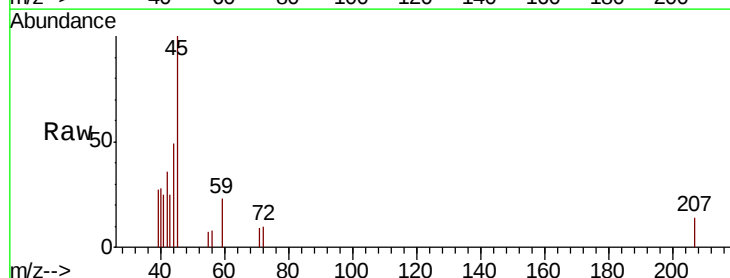
Tgt Ion: 42 Resp: 638

Ion Ratio Lower Upper

42 100

72 4.1 34.6 51.8#

71 7.5 32.6 49.0#



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

7.54

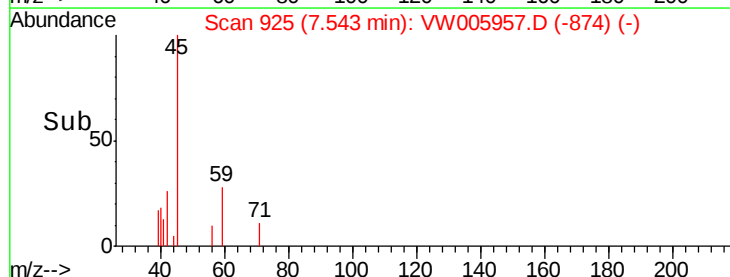
300

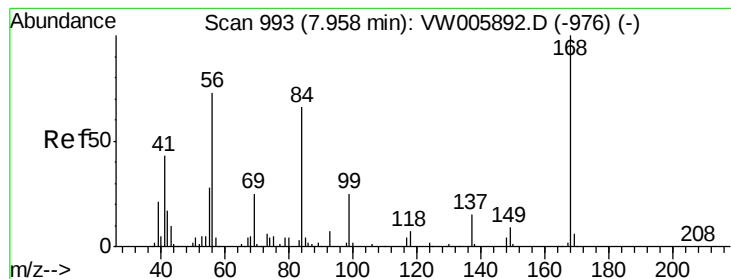
200

100

0

Time--> 7.45 7.50 7.55 7.60





#31

Cyclohexane

Concen: 1.363 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW005957.D

Acq: 10 Oct 2018 00:05

Instrument :

MSVOA_W

ClientSampleId :

OILY-DEBRISRE

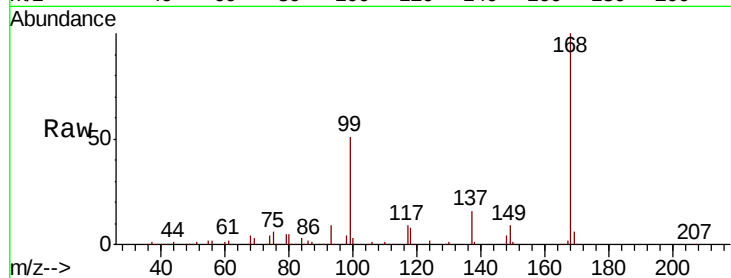
Tgt Ion: 56 Resp: 3974

Ion Ratio Lower Upper

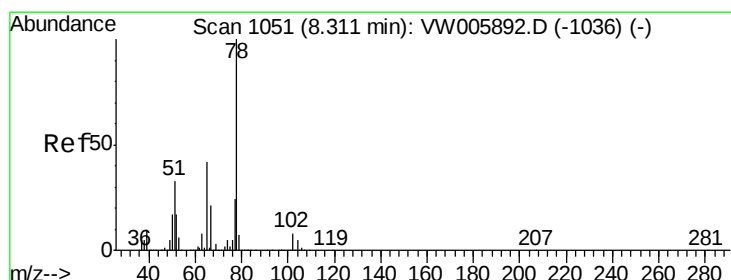
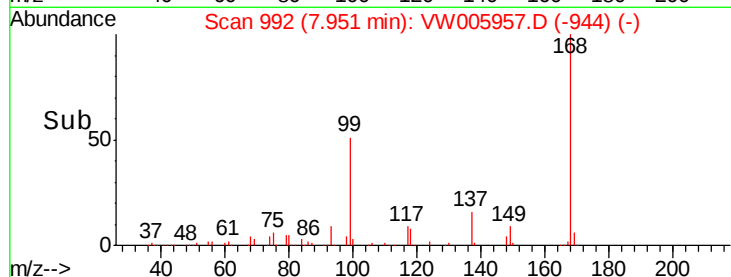
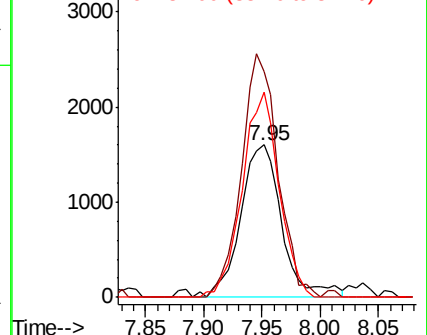
56 100

69 147.7 27.9 41.9#

84 134.2 72.3 108.5#



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: 74.185 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW005957.D

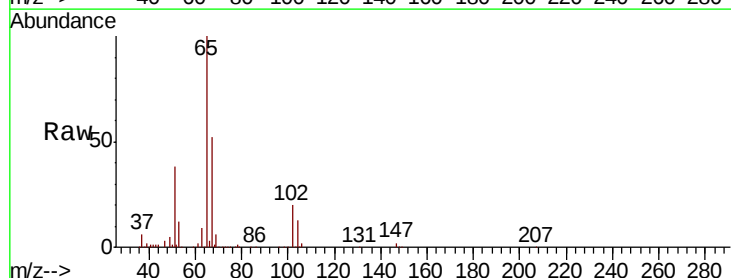
Acq: 10 Oct 2018 00:05

Tgt Ion: 65 Resp: 123556

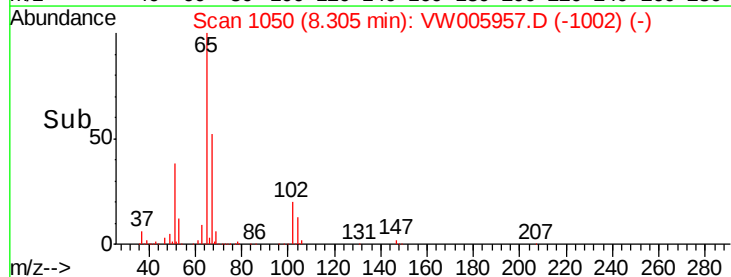
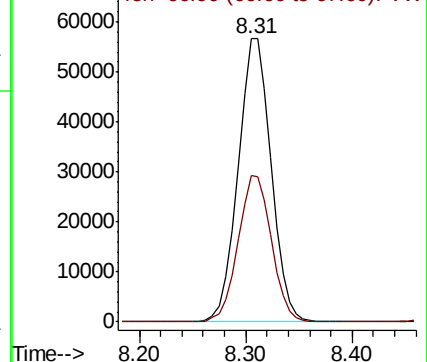
Ion Ratio Lower Upper

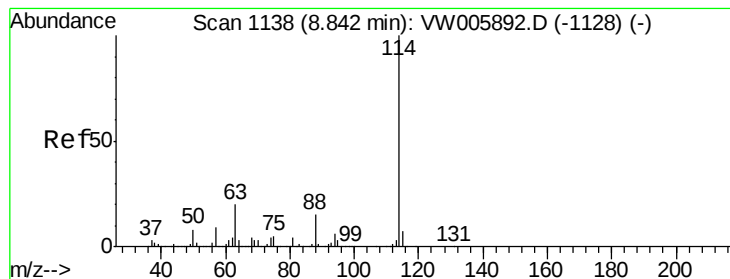
65 100

67 52.1 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW





#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

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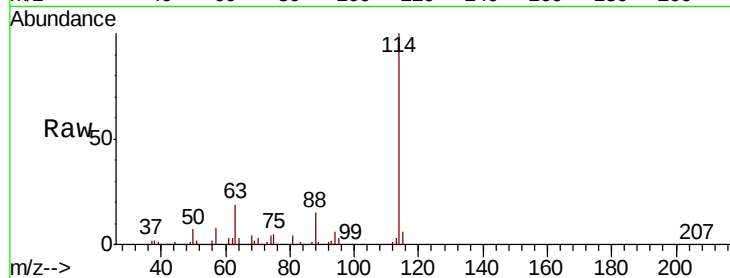
Tgt Ion:114 Resp: 301726

Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.2

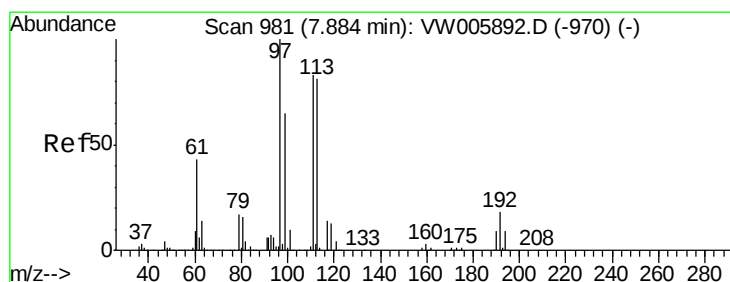
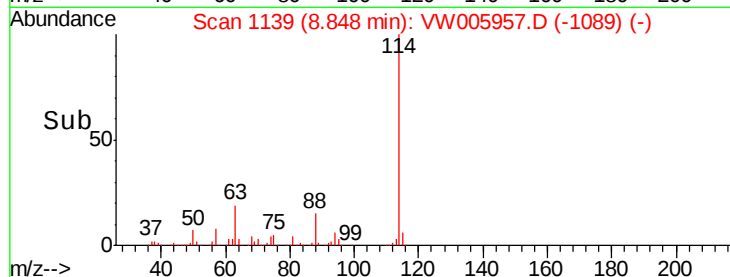
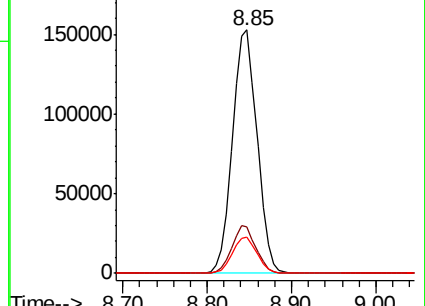
88 14.8 0.0 30.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#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

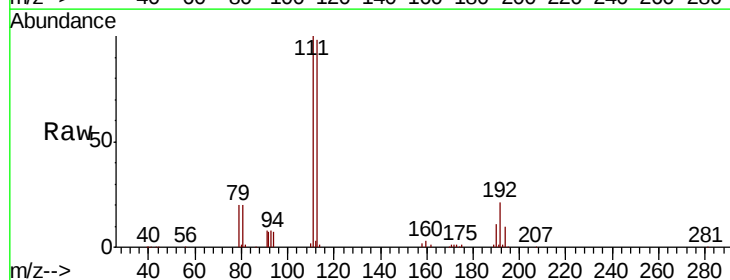
Tgt Ion:113 Resp: 111838

Ion Ratio Lower Upper

113 100

111 102.9 82.0 123.0

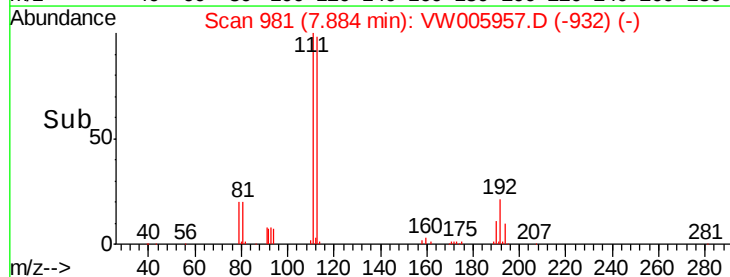
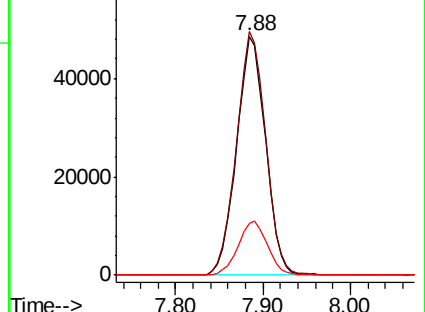
192 22.8 18.3 27.5

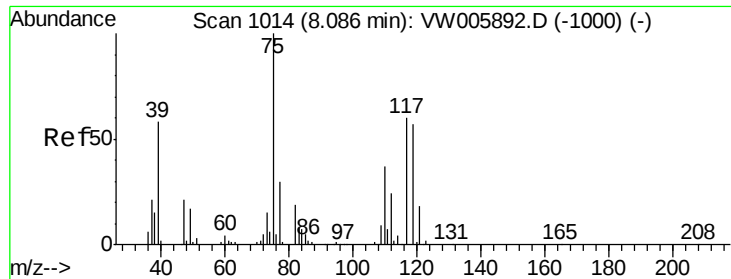


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

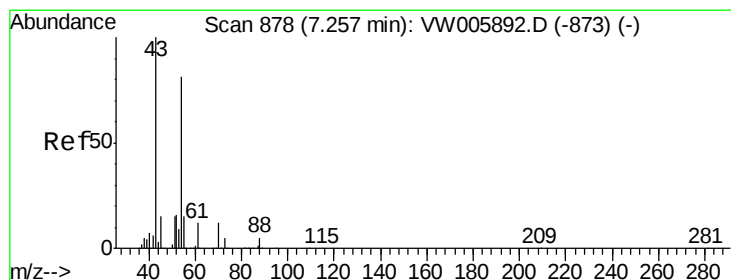
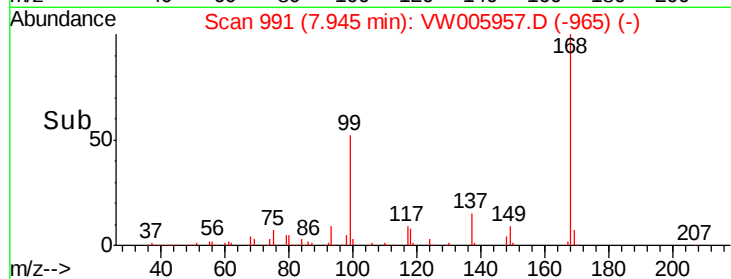
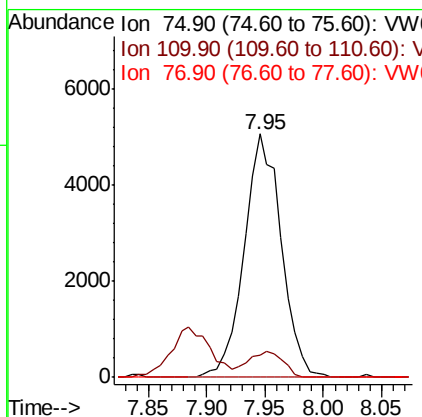
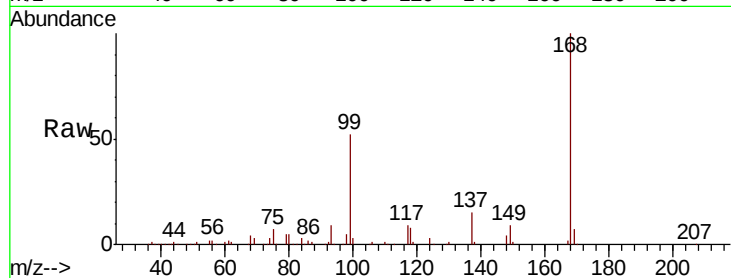




#36
 1,1-Dichloropropene
 Concen: 3.891 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW005957.D
 Acq: 10 Oct 2018 00:05

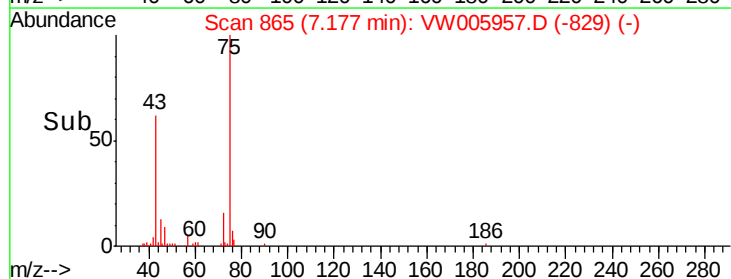
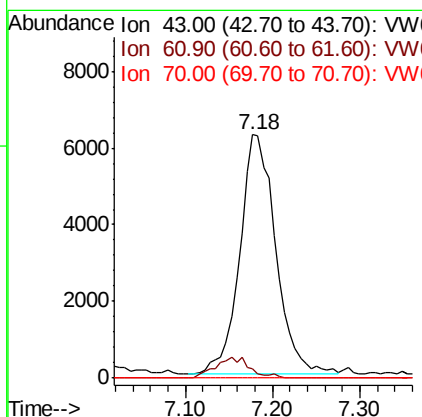
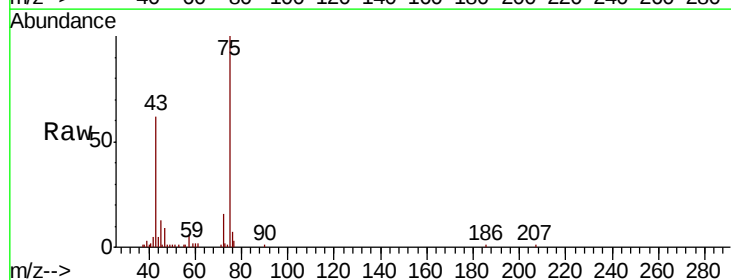
Instrument :
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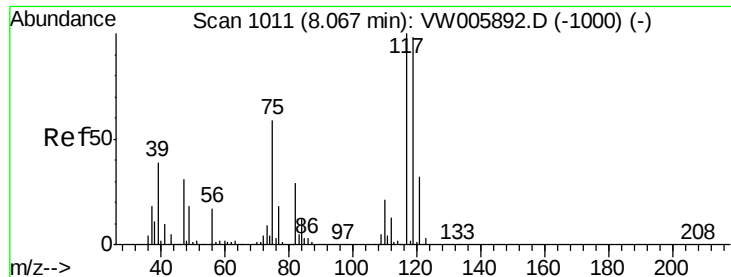
Tgt Ion: 75 Resp: 11249
 Ion Ratio Lower Upper
 75 100
 110 10.2 18.6 56.0#
 77 0.0 24.7 37.1#



#37
 Ethyl Acetate
 Concen: 14.590 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. -0.08 min
 Lab File: VW005957.D
 Acq: 10 Oct 2018 00:05

Tgt Ion: 43 Resp: 17863
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.6 16.0#
 70 0.0 8.6 13.0#





#38

Carbon Tetrachloride

Concen: 5.088 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW005957.D

Acq: 10 Oct 2018 00:05

Instrument :

MSVOA_W

ClientSampleId :

OILY-DEBRISRE

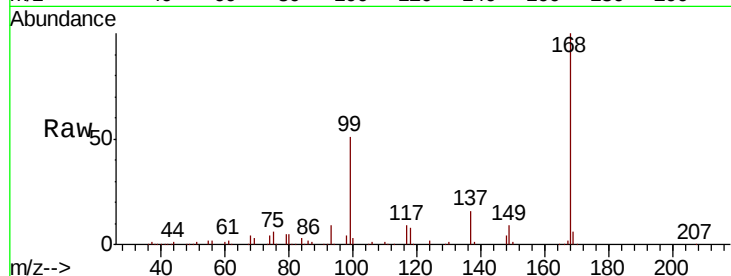
Tgt Ion:117 Resp: 15805

Ion Ratio Lower Upper

117 100

119 2.8 78.6 117.8#

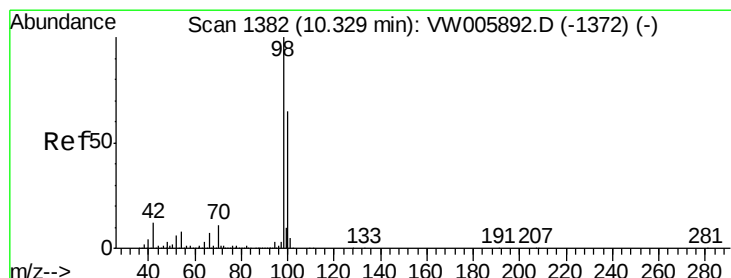
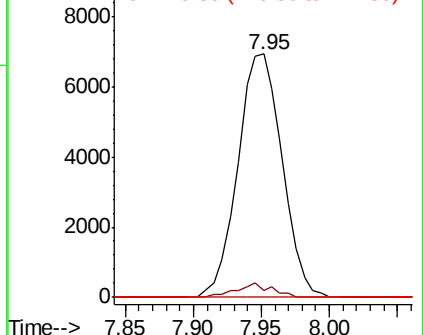
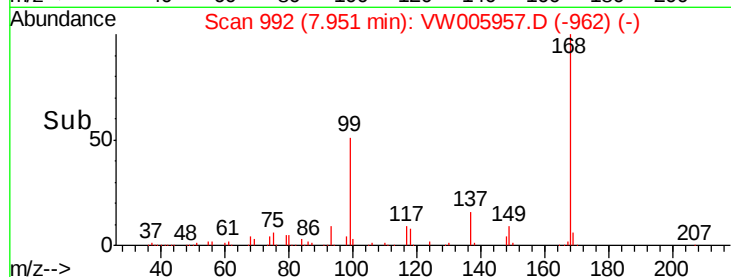
121 0.0 25.3 37.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 40.392 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW005957.D

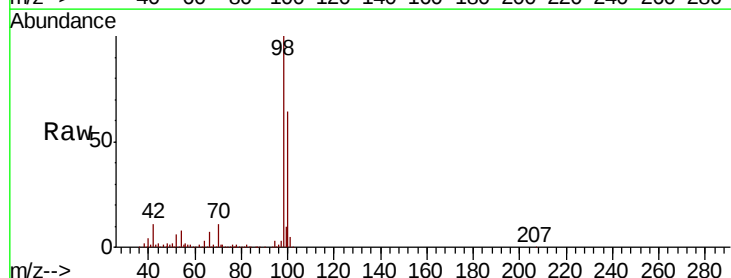
Acq: 10 Oct 2018 00:05

Tgt Ion: 98 Resp: 299372

Ion Ratio Lower Upper

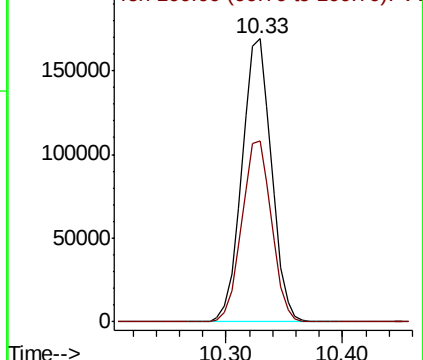
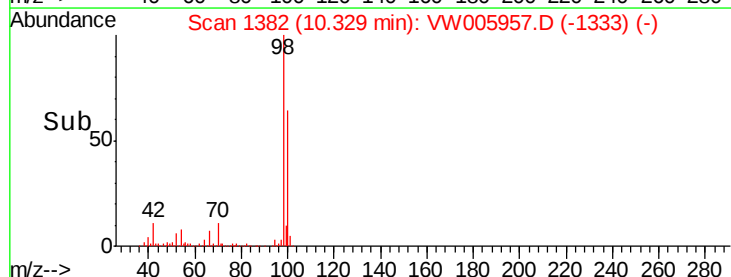
98 100

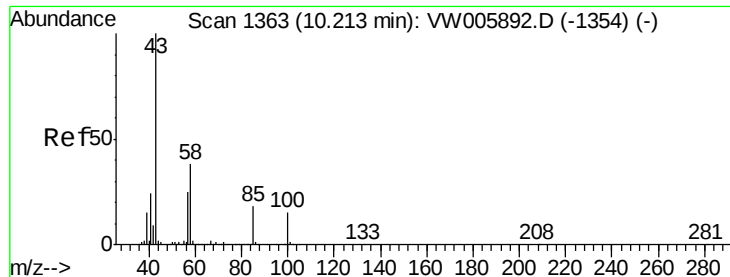
100 64.6 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

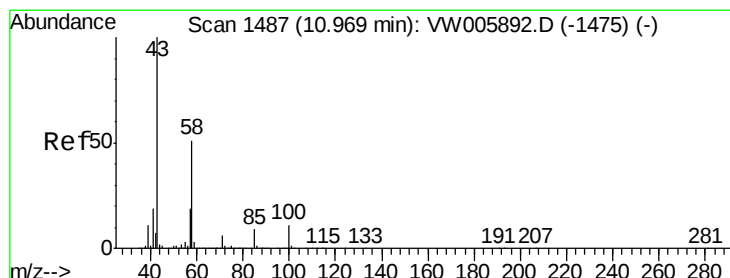
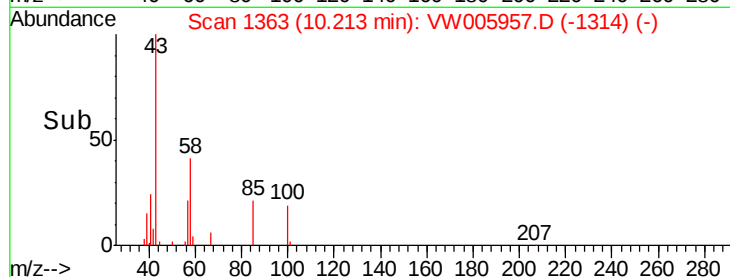
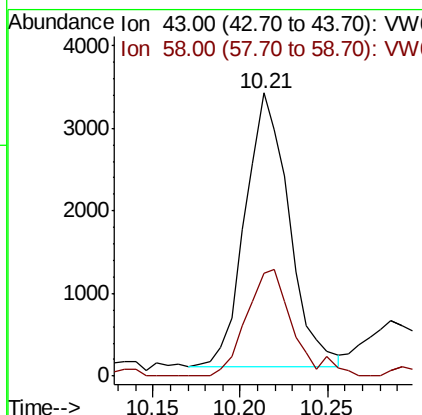
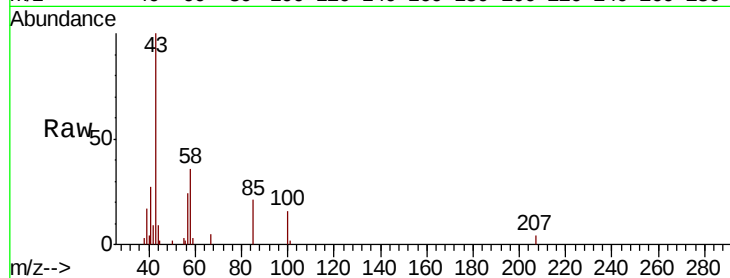




#51
 4-Methyl-2-Pentanone
 Concen: 4.659 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW005957.D
 Acq: 10 Oct 2018 00:05

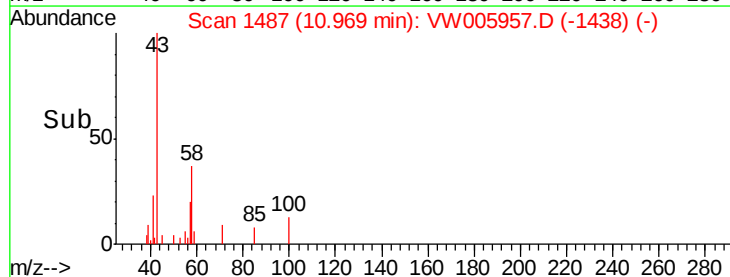
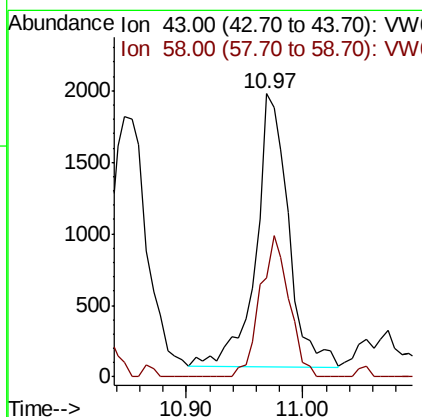
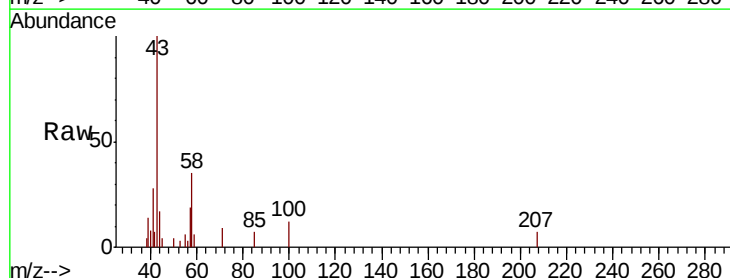
Instrument :
 MSVOA_W
 ClientSampleId :
 OILY-DEBRISRE

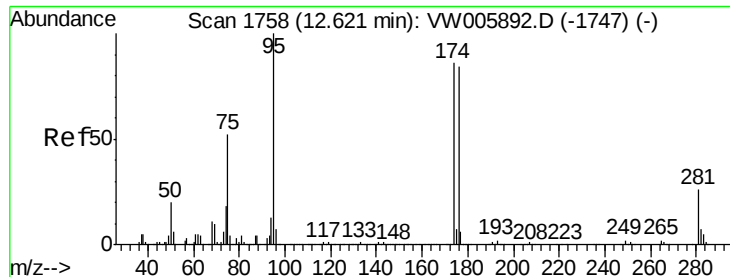
Tgt Ion: 43 Resp: 5802
 Ion Ratio Lower Upper
 43 100
 58 41.2 30.2 45.4



#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: 43 Resp: 3726
 Ion Ratio Lower Upper
 43 100
 58 45.9 25.7 77.1

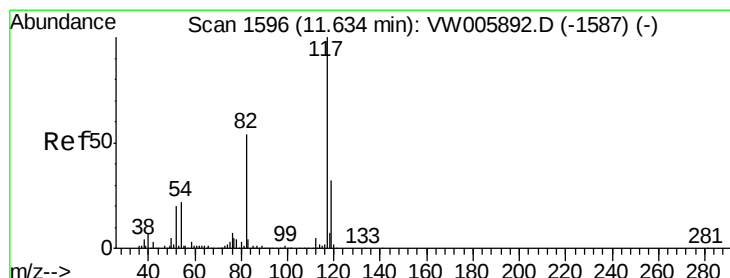
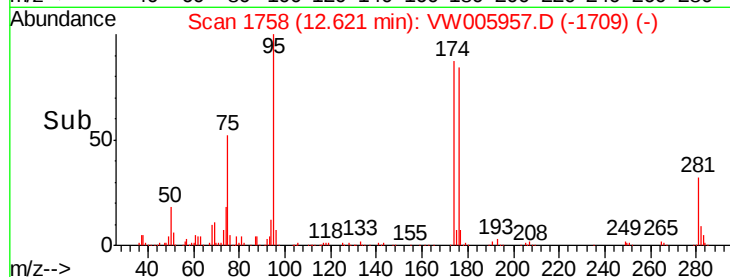
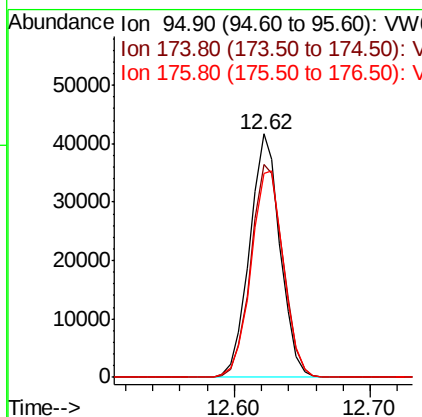
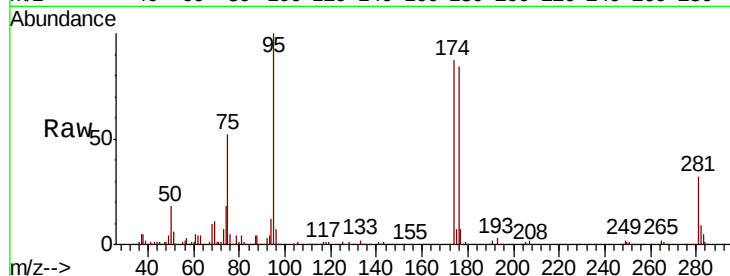




#62
4-Bromofluorobenzene
Concen: 23.244 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW005957.D
Acq: 10 Oct 2018 00:05

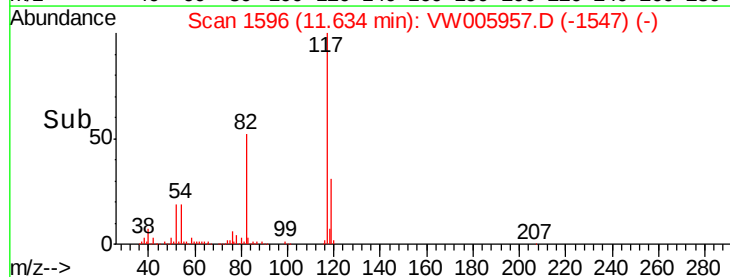
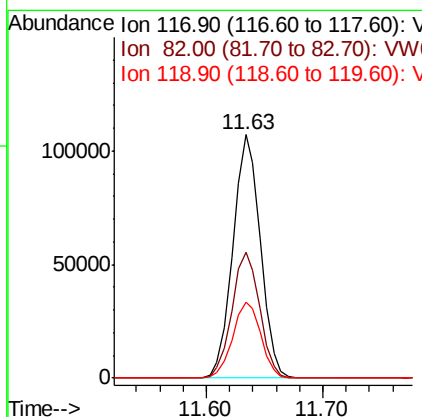
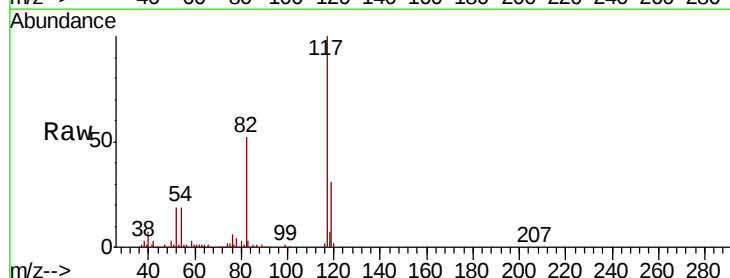
Instrument :
MSVOA_W
ClientSampleId :
OILY-DEBRISRE

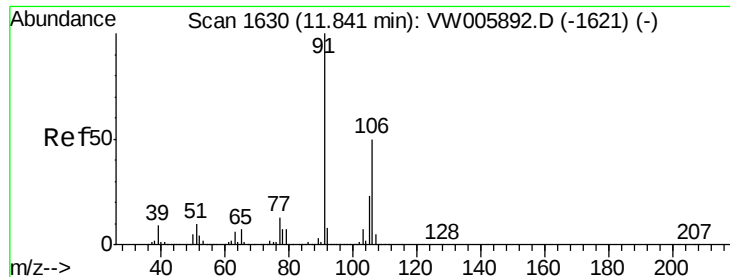
Tgt Ion: 95 Resp: 65545
Ion Ratio Lower Upper
95 100
174 91.8 0.0 176.4
176 90.2 0.0 173.0



#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: 117 Resp: 175619
Ion Ratio Lower Upper
117 100
82 51.7 43.5 65.3
119 30.9 25.4 38.2

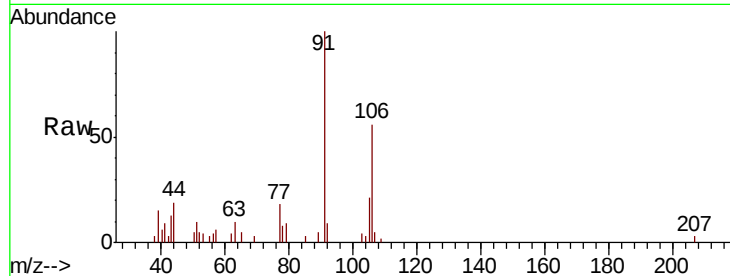




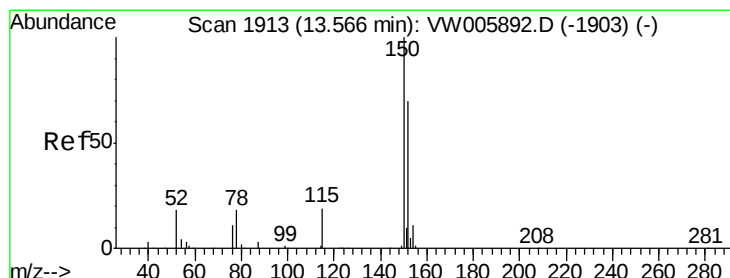
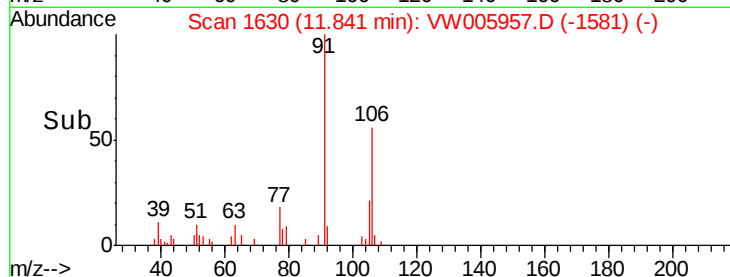
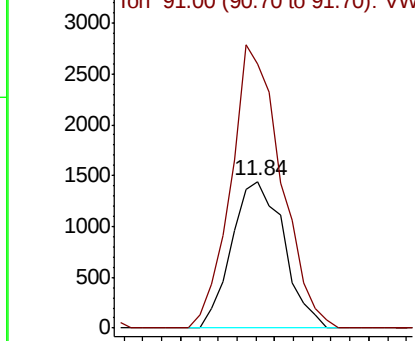
#68
m/p-Xylenes
Concen: 1.067 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW005957.D
Acq: 10 Oct 2018 00:05

Instrument :
MSVOA_W
ClientSampleId :
OILY-DEBRISRE

Tgt Ion:106 Resp: 2771
Ion Ratio Lower Upper
106 100
91 185.4 160.2 240.2

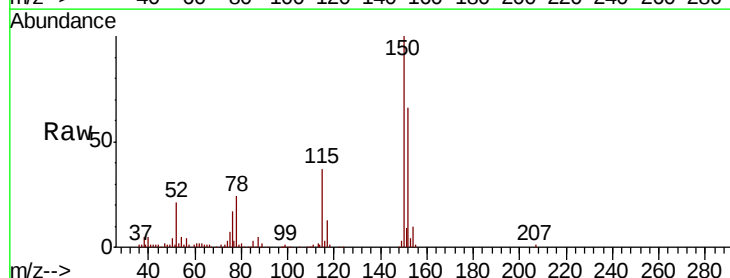


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

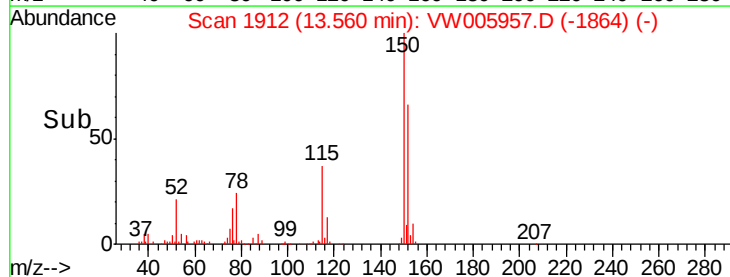
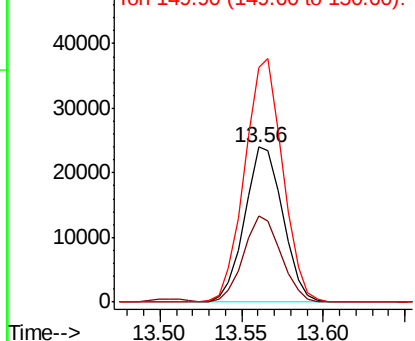


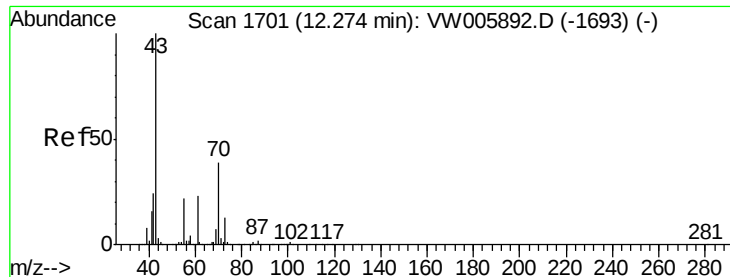
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.01 min
Lab File: VW005957.D
Acq: 10 Oct 2018 00:05

Tgt Ion:152 Resp: 39231
Ion Ratio Lower Upper
152 100
115 54.6 28.3 85.0
150 155.9 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V

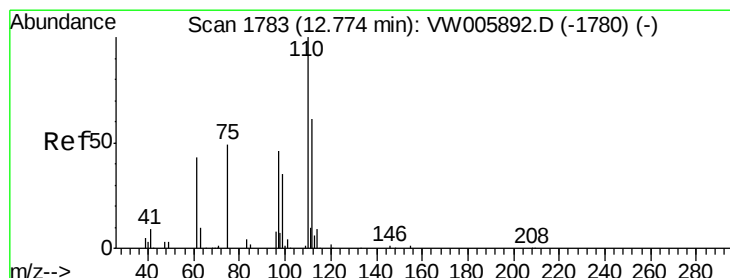
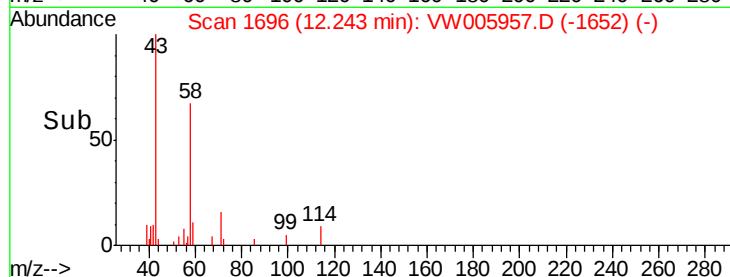
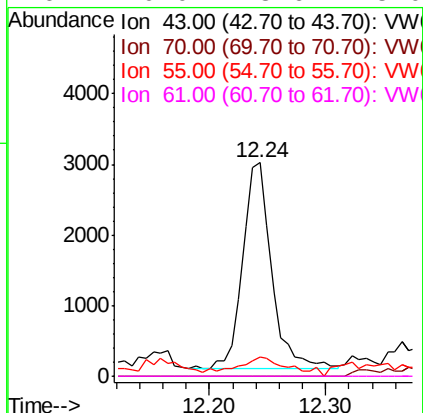
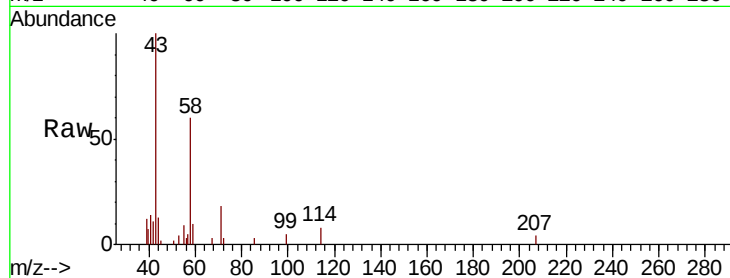




#74
N-ethyl acetate
Concen: 7.502 ug/l
RT: 12.24 min Scan# 1696
Delta R.T. -0.03 min
Lab File: VW005957.D
Acq: 10 Oct 2018 00:05

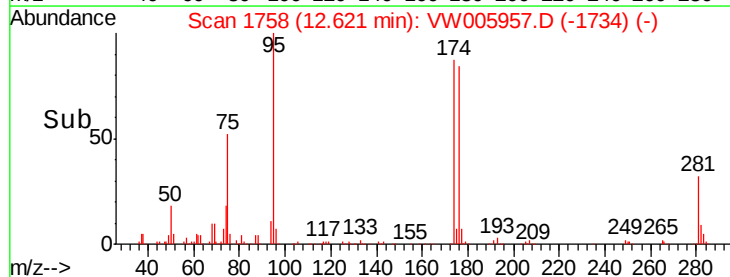
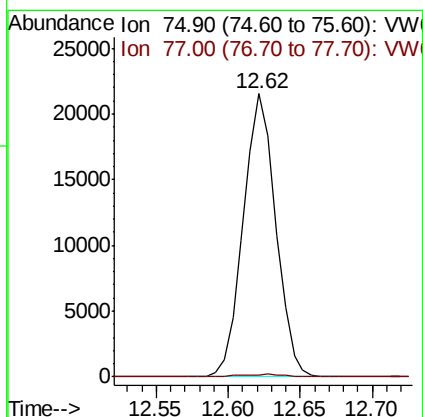
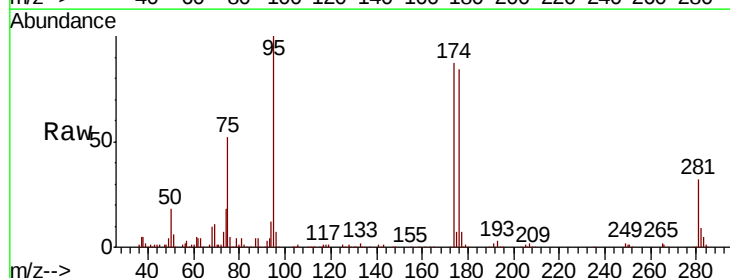
Instrument :
MSVOA_W
ClientSampleId :
OILY-DEBRISRE

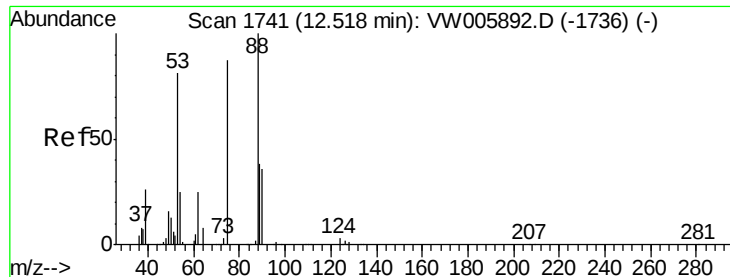
Tgt Ion: 43 Resp: 5105
Ion Ratio Lower Upper
43 100
70 0.0 31.6 47.4#
55 8.4 17.9 26.9#
61 0.0 18.6 28.0#



#76
1,2,3-Trichloropropane
Concen: 96.022 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW005957.D
Acq: 10 Oct 2018 00:05

Tgt Ion: 75 Resp: 33650
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

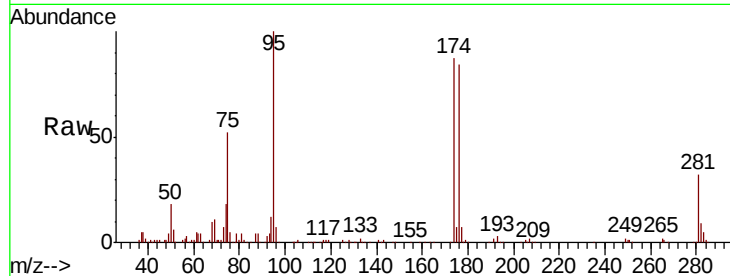




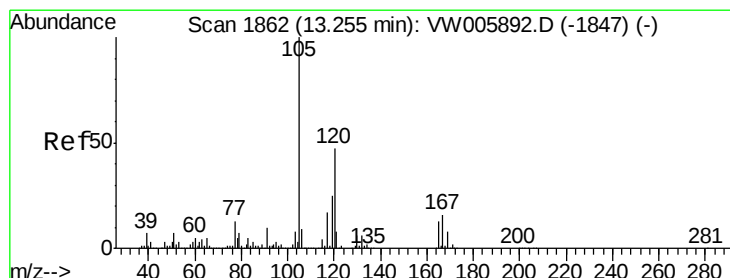
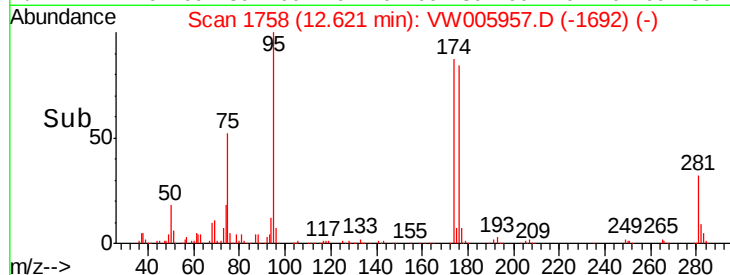
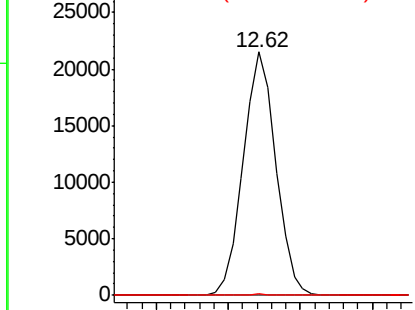
#81
 trans-1,4-Dichloro-2-butene
 Concen: 202.713 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW005957.D
 Acq: 10 Oct 2018 00:05

Instrument :
 MSVOA_W
 ClientSampleId :
 OILY-DEBRISRE

Tgt Ion: 75 Resp: 33650
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.5 114.7#
 89 0.2 37.6 56.4#

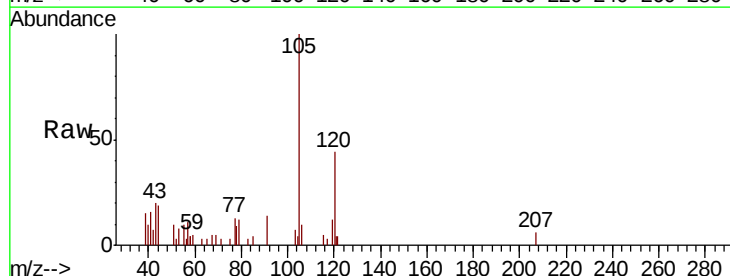


Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 53.00 (52.70 to 53.70): VW
 Ion 88.90 (88.60 to 89.60): VW

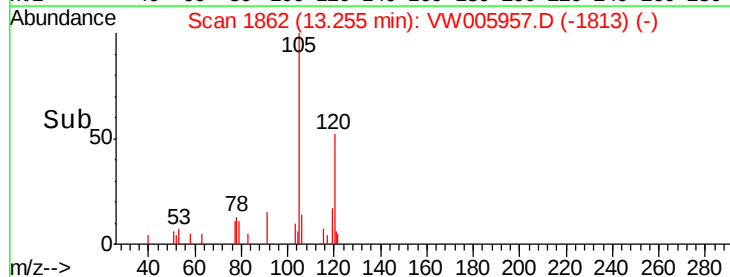
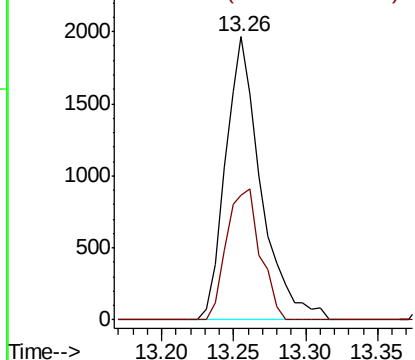


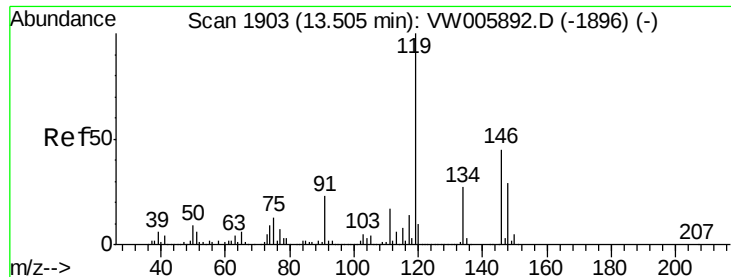
#84
 1,2,4-Trimethylbenzene
 Concen: 1.385 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW005957.D
 Acq: 10 Oct 2018 00:05

Tgt Ion: 105 Resp: 3379
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.8 68.3



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

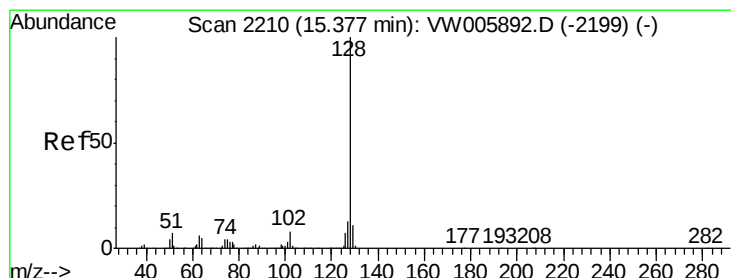
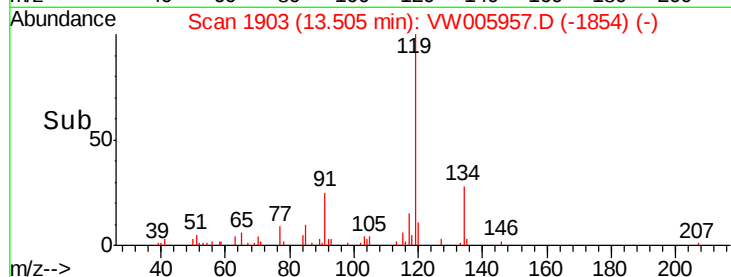
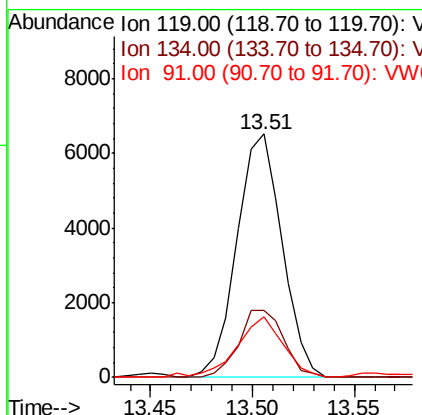
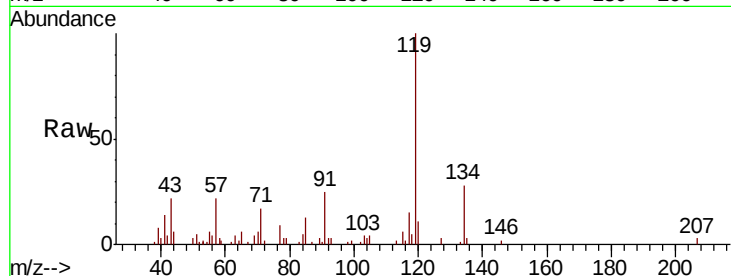




#86
p-Isopropyltoluene
Concen: 3.680 ug/l
RT: 13.51 min Scan# 1903
Delta R.T. -0.00 min
Lab File: VW005957.D
Acq: 10 Oct 2018 00:05

Instrument :
MSVOA_W
ClientSampleId :
OILY-DEBRISRE

Tgt Ion:119 Resp: 9995
Ion Ratio 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

Tgt Ion:128 Resp: 12270
Ion Ratio Lower Upper
128 100
127 14.0 10.5 15.7
129 10.9 8.9 13.3

