

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100918\
 Data File : VD060152.D
 Acq On : 9 Oct 2018 15:44
 Operator : VA/AP
 Sample : J5324-01
 Misc : 5.01g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OILY-DEBRIS

Quant Time: Oct 10 10:42:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.37	168	782297	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.42	114	1294461	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.26	117	656060	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	175128	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.76	65	628297	105.95	ug/l	0.00
Spiked Amount			Recovery	=	211.90%	
35) Dibromofluoromethane	6.29	113	718386	73.08	ug/l	0.00
Spiked Amount			Recovery	=	146.16%	
50) Toluene-d8	9.43	98	1195658	42.66	ug/l	0.00
Spiked Amount			Recovery	=	85.32%	
62) 4-Bromofluorobenzene	12.42	95	288539	27.49	ug/l	0.00
Spiked Amount			Recovery	=	54.98%	

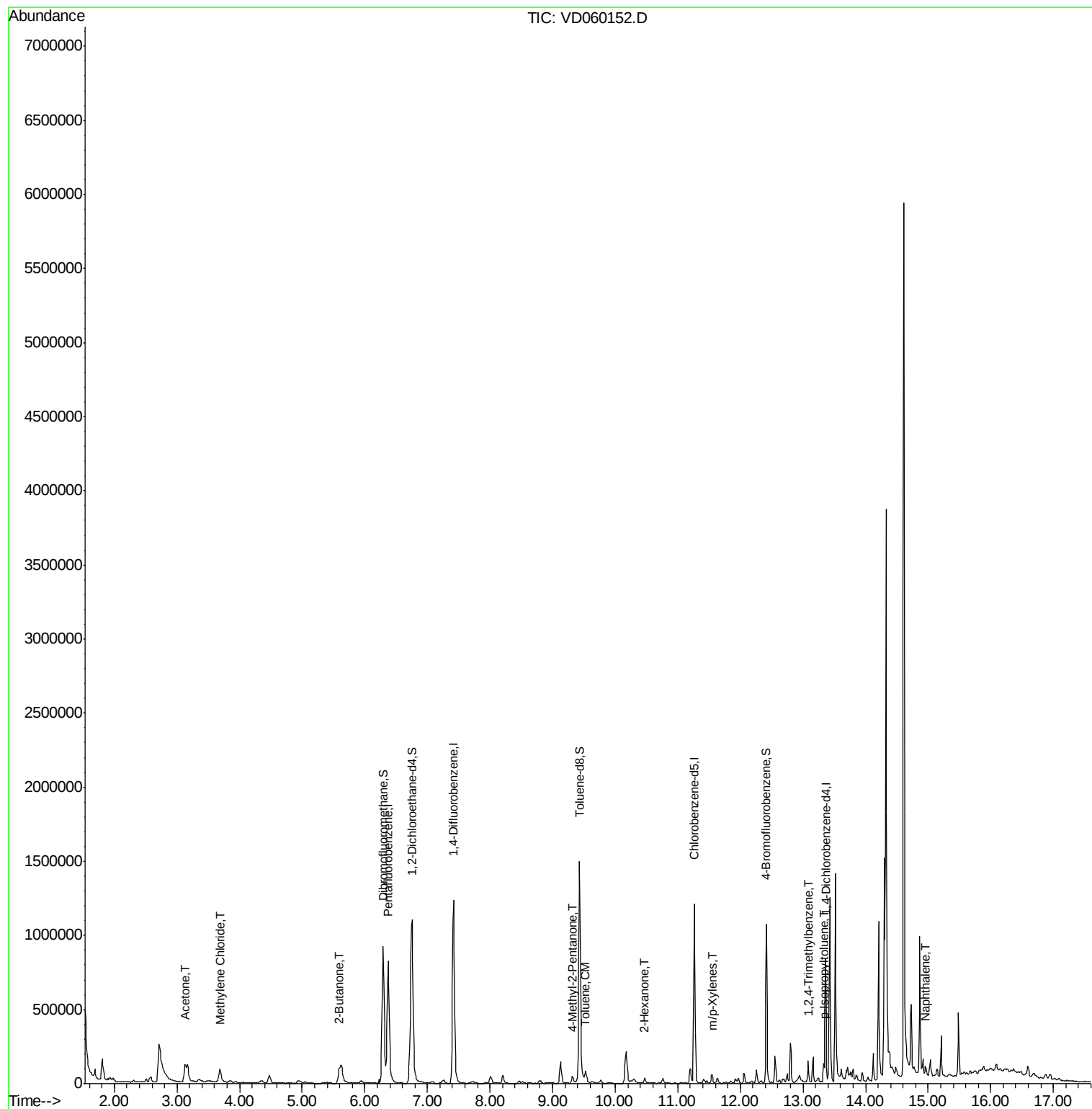
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.13	43	228467	212.329	ug/l	99
20) Methylene Chloride	3.69	84	47854	1.477	ug/l	89
25) 2-Butanone	5.59	43	176178	65.539	ug/l	98
51) 4-Methyl-2-Pentanone	9.32	43	51194	7.514	ug/l	95
52) Toluene	9.52	92	35566	1.706	ug/l	99
59) 2-Hexanone	10.47	43	34035	6.947	ug/l	94
68) m/p-Xylenes	11.55	106	17536	2.041	ug/l	95
84) 1,2,4-Trimethylbenzene	13.08	105	21309	2.261	ug/l	95
86) p-Isopropyltoluene	13.33	119	57122	5.740	ug/l	96
95) Naphthalene	14.95	128	32187	5.201	ug/l	98

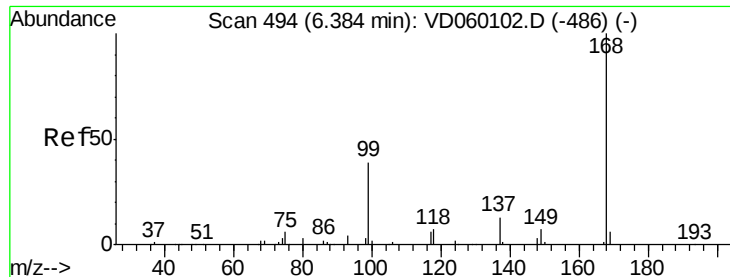
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 10 10:42:15 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 06:56:35 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.37 min Scan# 493

Delta R.T. -0.01 min

Lab File: VD060152.D

Acq: 9 Oct 2018 15:44

Instrument :

MSVOA_D

ClientSampleId :

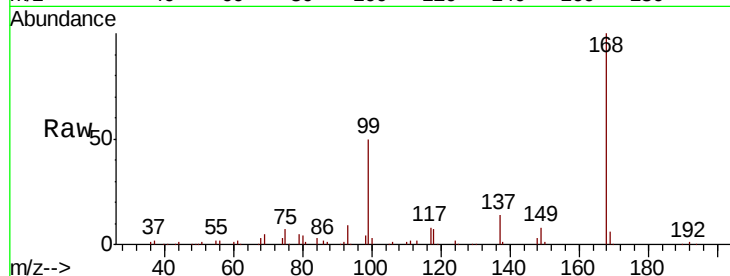
OILY-DEBRIS

Tot Ion:168 Resp: 782297

Ion Ratio Lower Upper

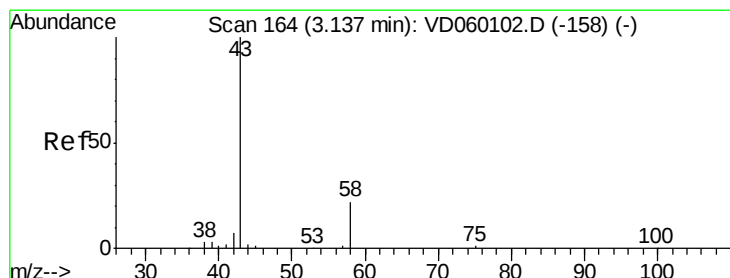
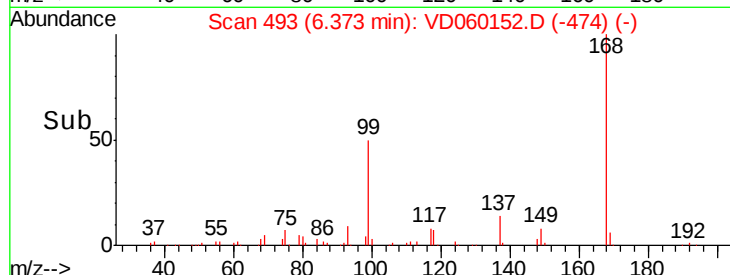
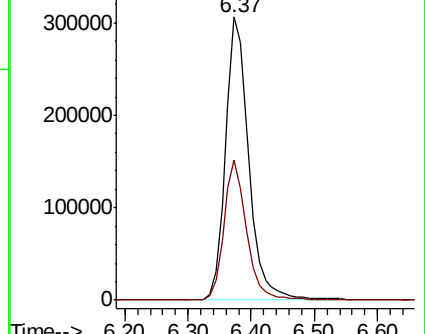
168 100

99 49.6 35.4 53.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#16

Acetone

Concen: 212.329 ug/l

RT: 3.13 min Scan# 163

Delta R.T. -0.01 min

Lab File: VD060152.D

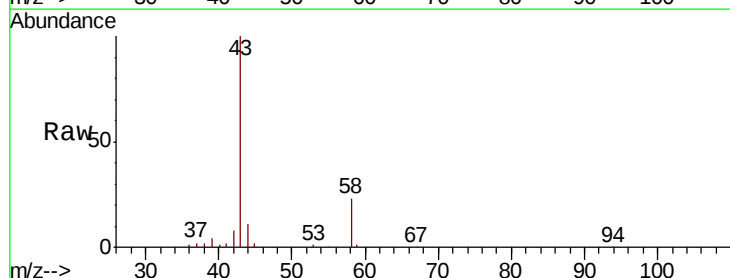
Acq: 9 Oct 2018 15:44

Tgt Ion: 43 Resp: 228467

Ion Ratio Lower Upper

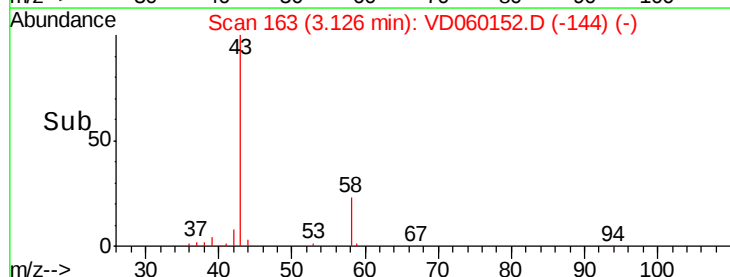
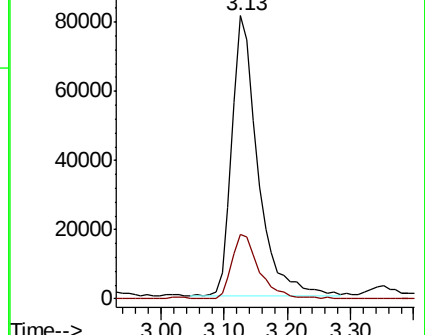
43 100

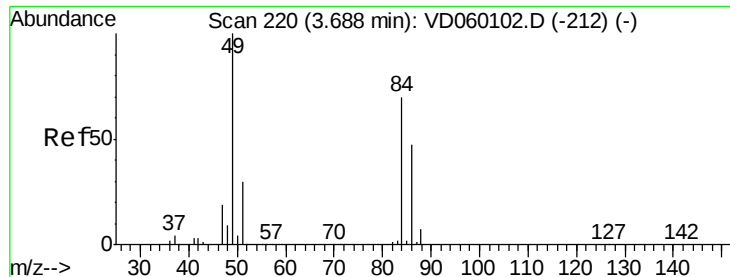
58 22.7 17.7 26.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#20

Methvlene Chloride

Concen: 1.477 ug/l

RT: 3.69 min Scan# 220

Delta R.T. -0.00 min

Lab File: VD060152.D

Acq: 9 Oct 2018 15:44

Instrument :

MSVOA_D

ClientSampleId :

OILY-DEBRIS

Tot Ion: 84 Resp: 47854

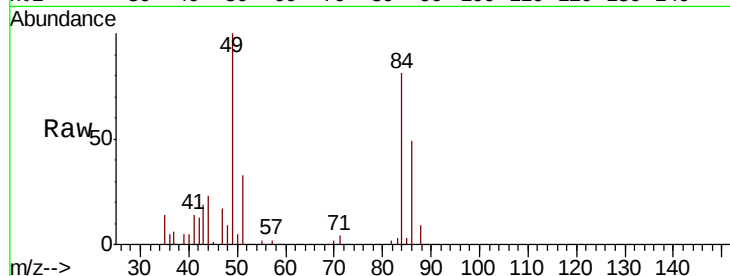
Ion Ratio Lower Upper

84 100

49 123.7 114.6 172.0

51 40.4 33.8 50.8

86 61.2 53.3 79.9

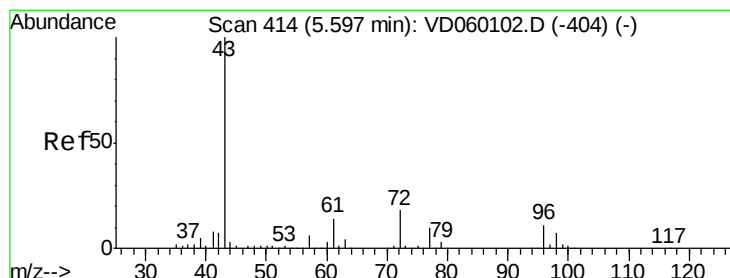
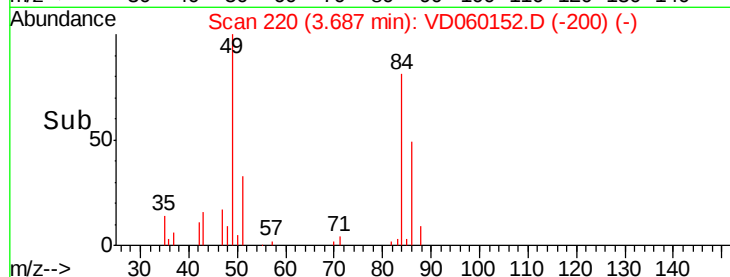
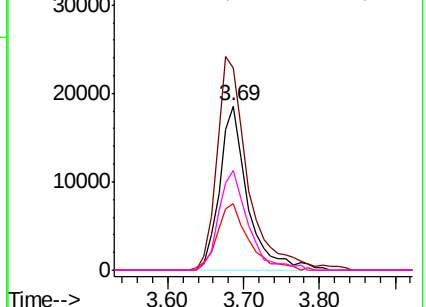


Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



#25

2-Butanone

Concen: 65.539 ug/l

RT: 5.59 min Scan# 413

Delta R.T. -0.01 min

Lab File: VD060152.D

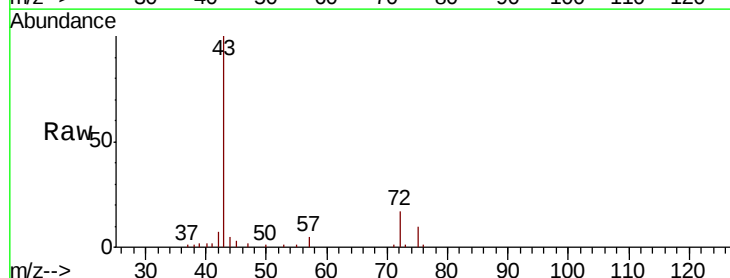
Acq: 9 Oct 2018 15:44

Tgt Ion: 43 Resp: 176178

Ion Ratio Lower Upper

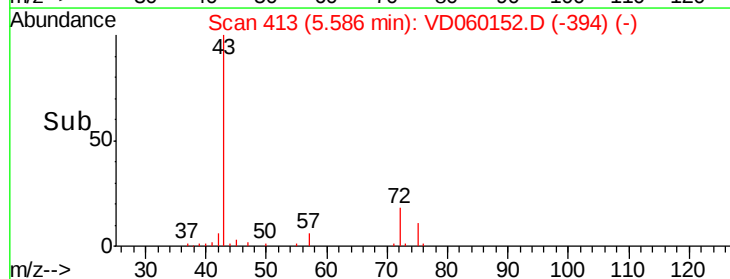
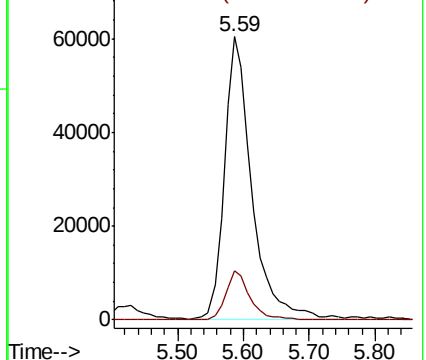
43 100

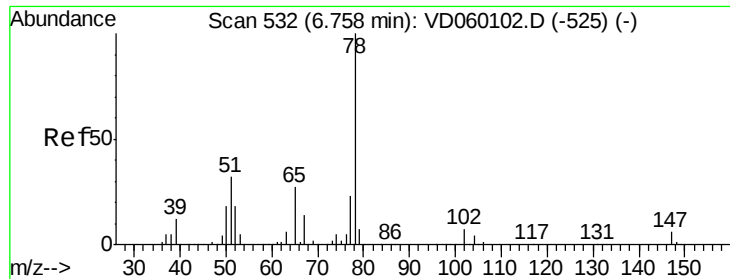
72 17.2 14.5 21.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

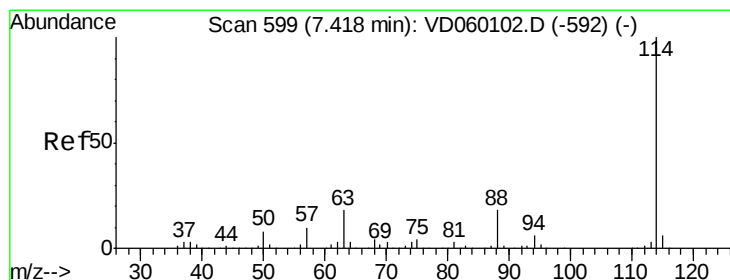
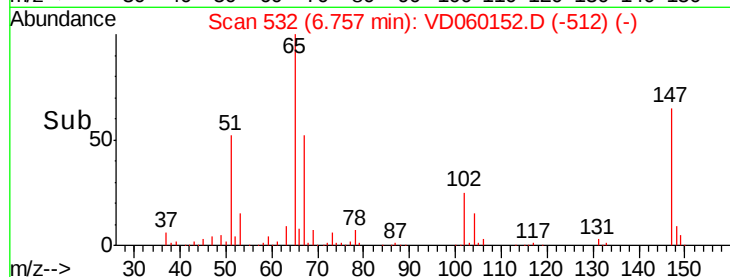
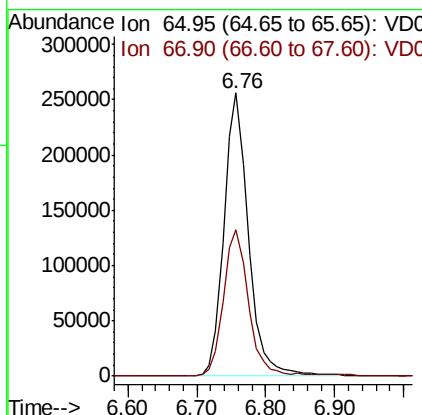
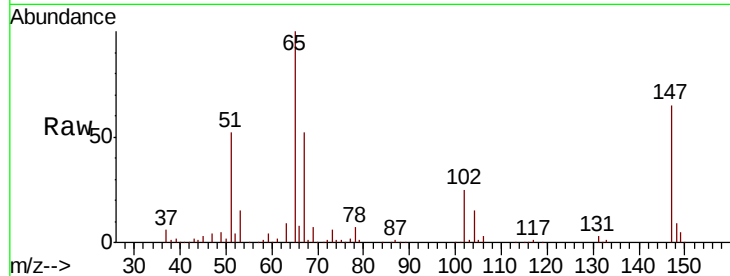




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 6.76 min Scan# 532
 Delta R.T. -0.00 min
 Lab File: VD060152.D
 Acq: 9 Oct 2018 15:44

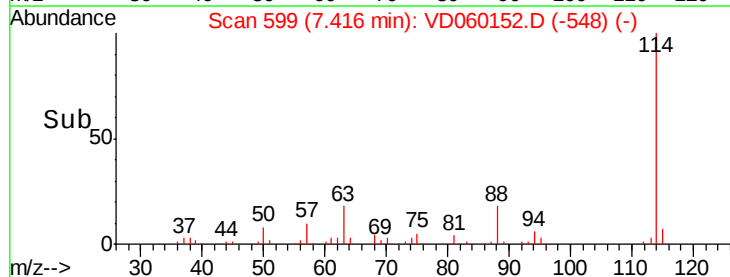
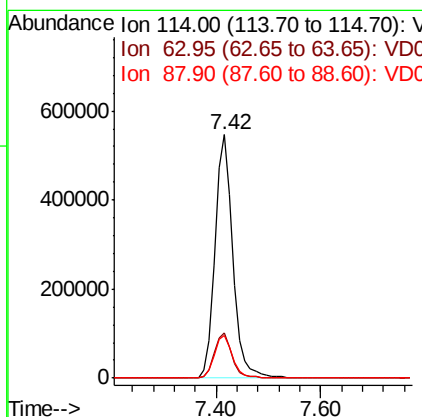
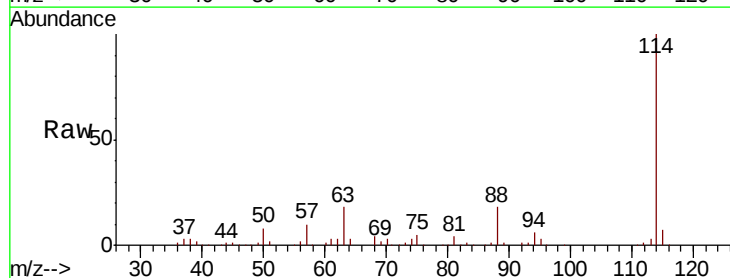
Instrument :
 MSVOA_D
 ClientSampleId :
 OILY-DEBRIS

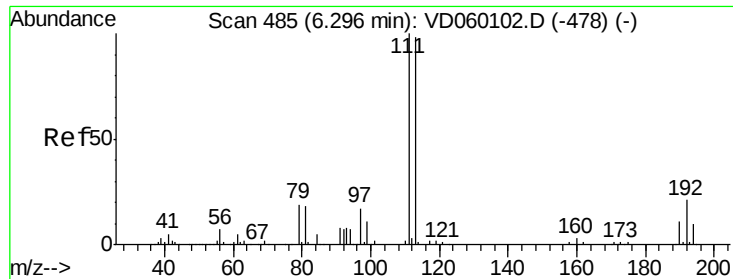
Tot Ion: 65 Resp: 628297
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.42 min Scan# 599
 Delta R.T. -0.00 min
 Lab File: VD060152.D
 Acq: 9 Oct 2018 15:44

Tgt Ion: 114 Resp: 1294461
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 36.0
 88 17.5 0.0 36.2

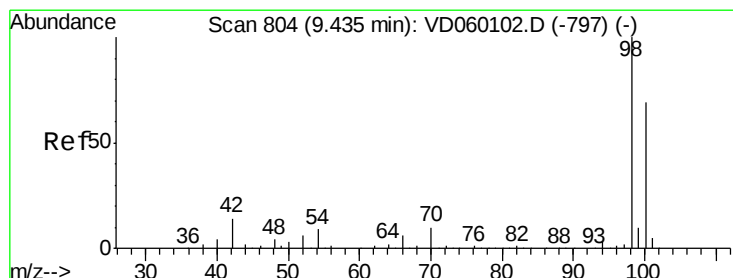
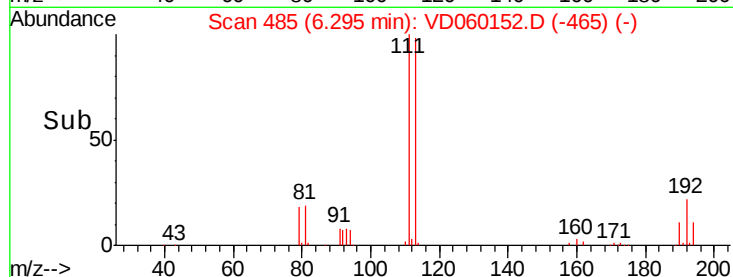
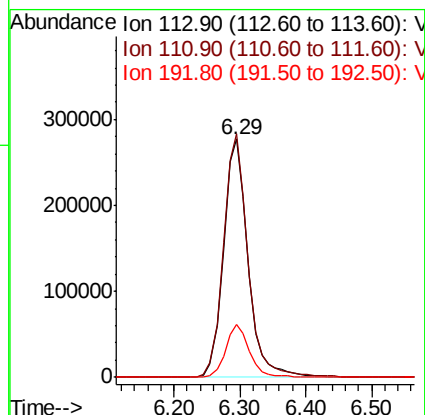
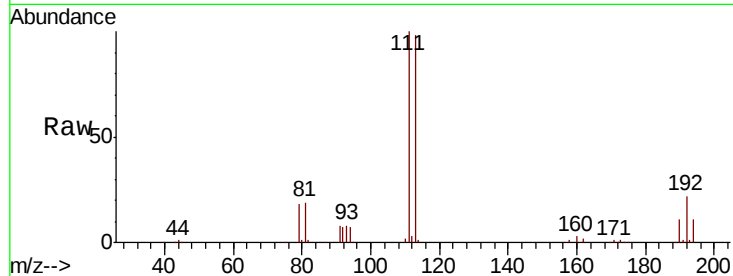




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.29 min Scan# 485
 Delta R.T. -0.00 min
 Lab File: VD060152.D
 Acq: 9 Oct 2018 15:44

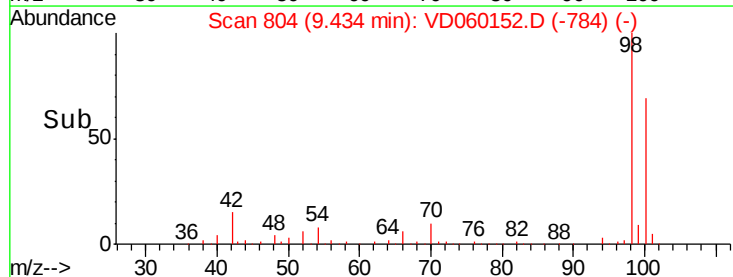
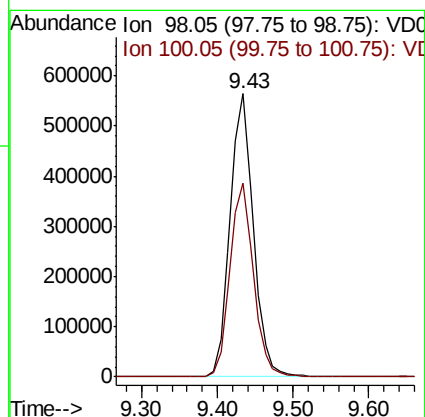
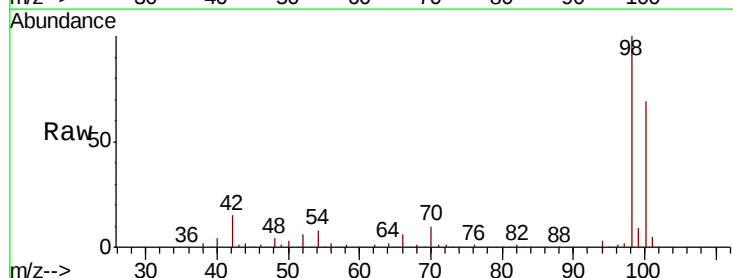
Instrument :
 MSVOA_D
 ClientSampleId :
 OILY-DEBRIS

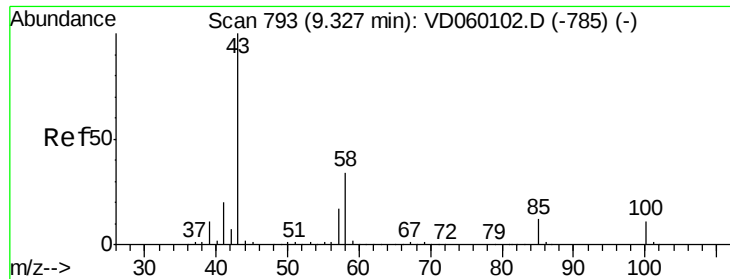
Tot Ion:113 Resp: 718386
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.5 122.3
 192 22.4 17.4 26.0



#50
 Toluene-d8
 Concen: N.D. ug/l
 RT: 9.43 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VD060152.D
 Acq: 9 Oct 2018 15:44

Tgt Ion: 98 Resp: 1195658
 Ion Ratio Lower Upper
 98 100
 100 68.6 55.4 83.0





#51

4-Methyl-2-Pentanone

Concen: 7.514 ug/l

RT: 9.32 min Scan# 792

Delta R.T. -0.01 min

Lab File: VD060152.D

Acq: 9 Oct 2018 15:44

Instrument :

MSVOA_D

ClientSampleId :

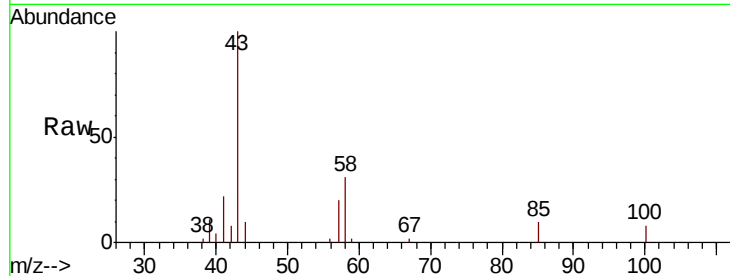
OILY-DEBRIS

Tot Ion: 43 Resp: 51194

Ion Ratio Lower Upper

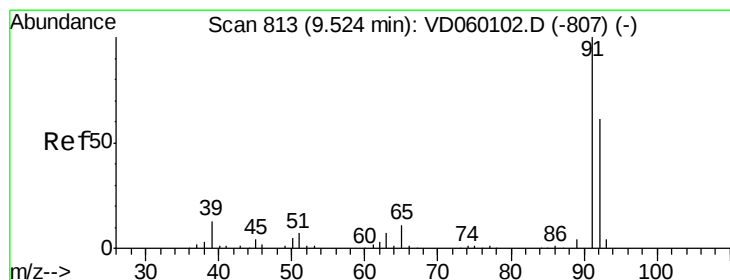
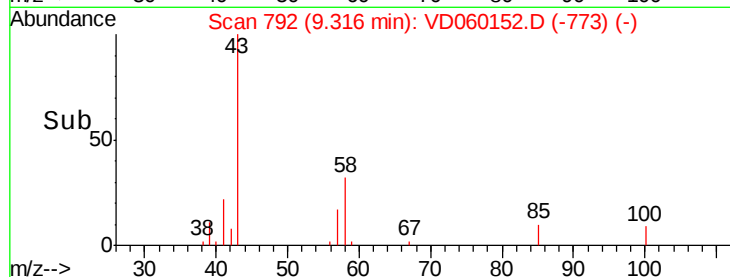
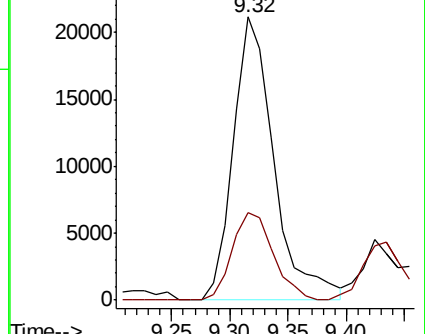
43 100

58 31.1 27.2 40.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 1.706 ug/l

RT: 9.52 min Scan# 813

Delta R.T. -0.00 min

Lab File: VD060152.D

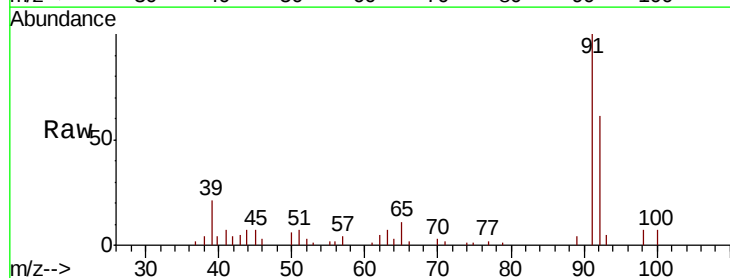
Acq: 9 Oct 2018 15:44

Tgt Ion: 92 Resp: 35566

Ion Ratio Lower Upper

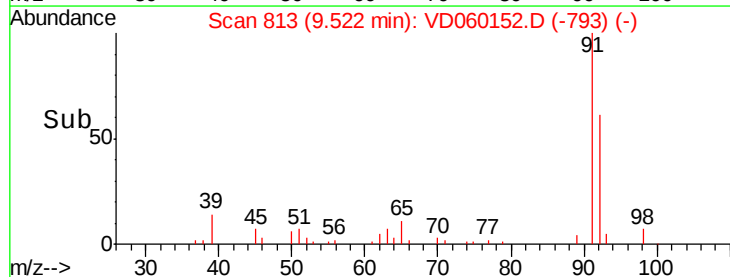
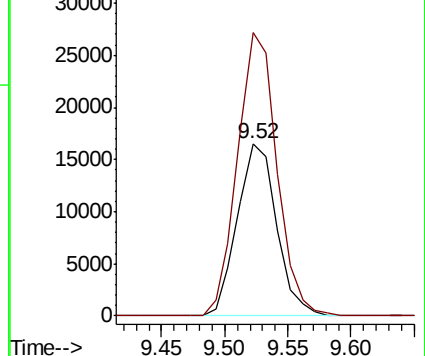
92 100

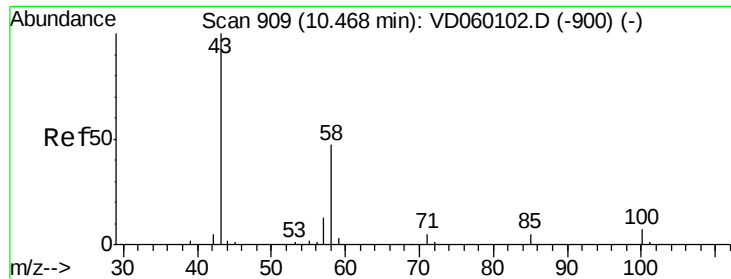
91 164.1 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

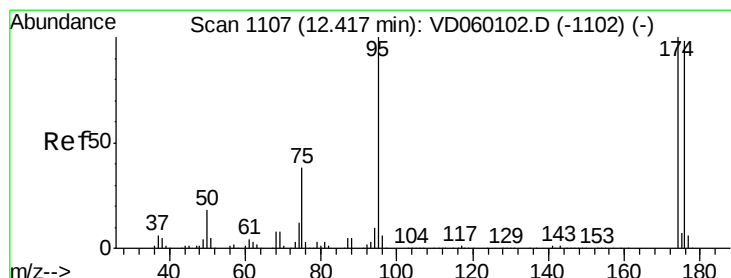
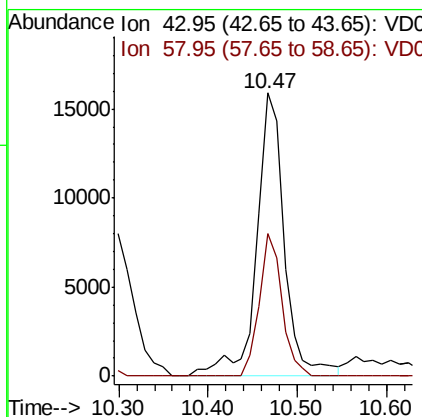
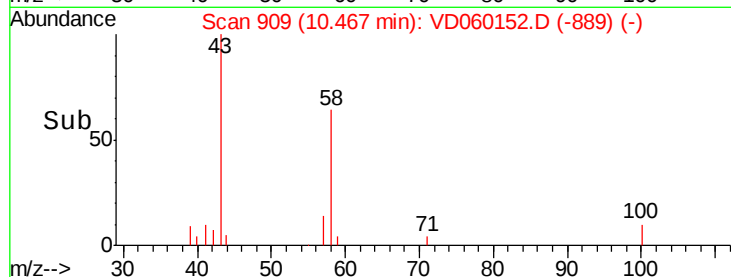
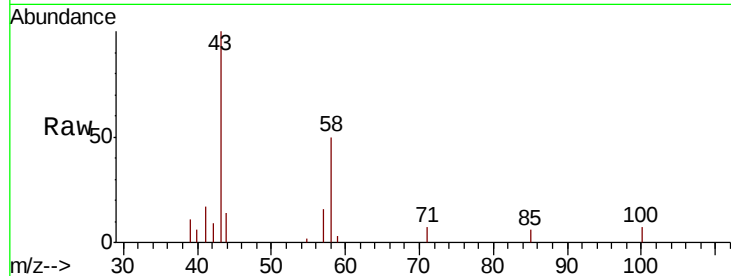




#59
2-Hexanone
Concen: 6.947 ug/l
RT: 10.47 min Scan# 909
Delta R.T. -0.00 min
Lab File: VD060152.D
Acq: 9 Oct 2018 15:44

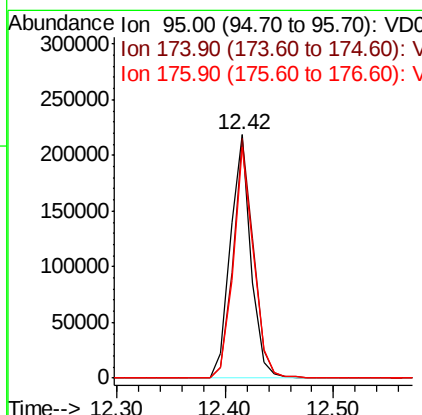
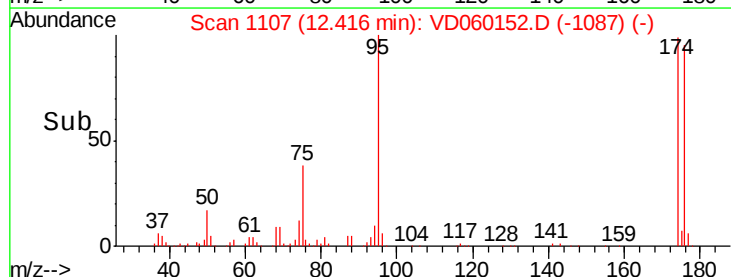
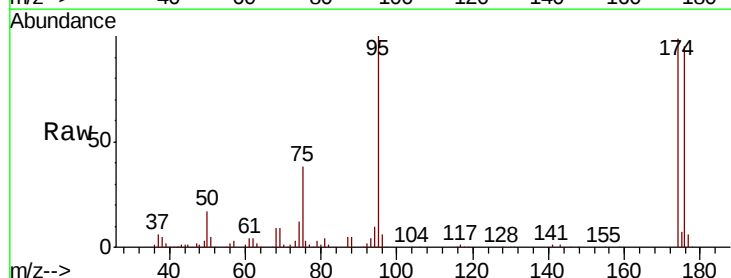
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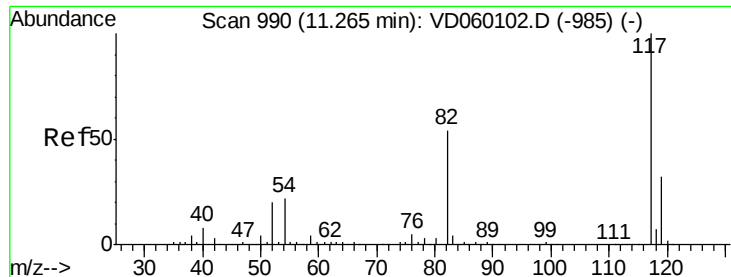
Tot Ion: 43 Resp: 34035
Ion Ratio Lower Upper
43 100
58 50.4 23.3 69.9



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.42 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VD060152.D
Acq: 9 Oct 2018 15:44

Tgt Ion: 95 Resp: 288539
Ion Ratio Lower Upper
95 100
174 98.7 0.0 200.2
176 95.0 0.0 195.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.26 min Scan# 990

Delta R.T. -0.00 min

Lab File: VD060152.D

Acq: 9 Oct 2018 15:44

Instrument :

MSVOA_D

ClientSampleId :

OILY-DEBRIS

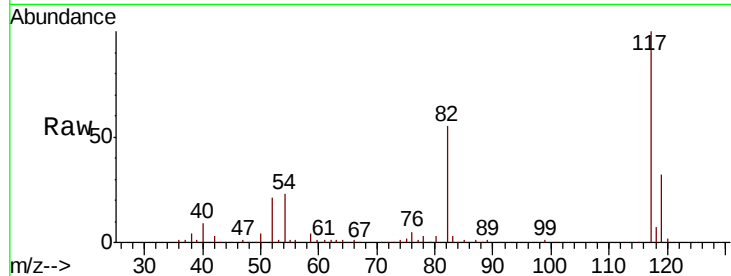
Tot Ion:117 Resp: 656060

Ion Ratio Lower Upper

117 100

82 55.4 43.4 65.2

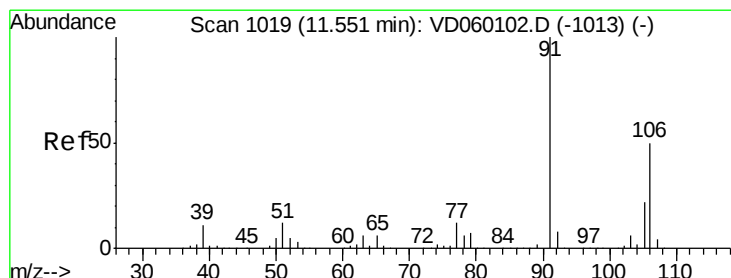
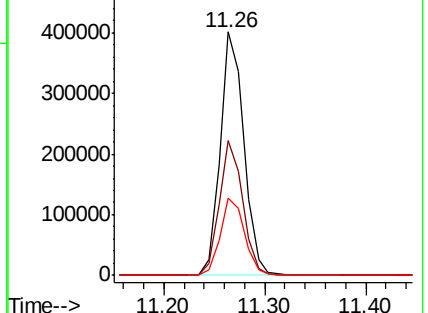
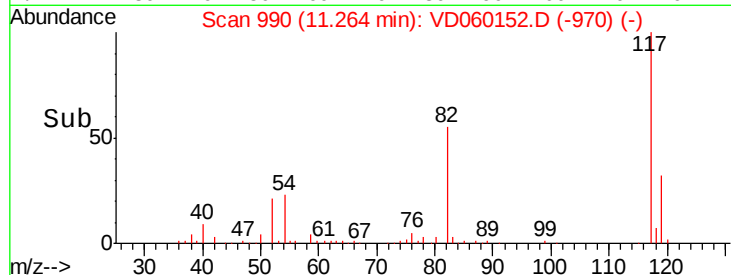
119 31.9 26.0 39.0



Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#68

m/p-Xylenes

Concen: 2.041 ug/l

RT: 11.55 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD060152.D

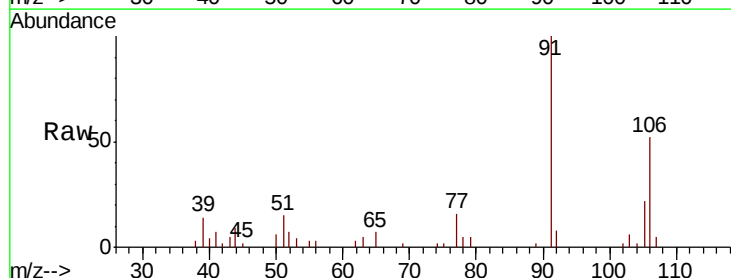
Acq: 9 Oct 2018 15:44

Tgt Ion:106 Resp: 17536

Ion Ratio Lower Upper

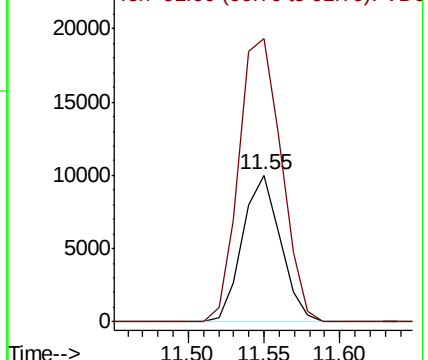
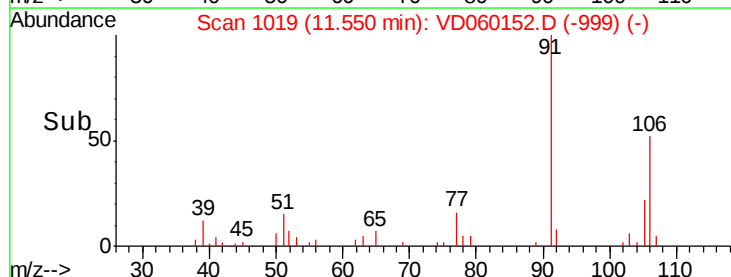
106 100

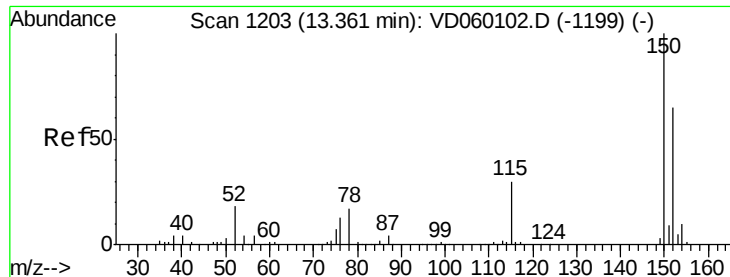
91 193.1 160.0 240.0



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.36 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD060152.D

Acq: 9 Oct 2018 15:44

Instrument :

MSVOA_D

ClientSampleId :

OILY-DEBRIS

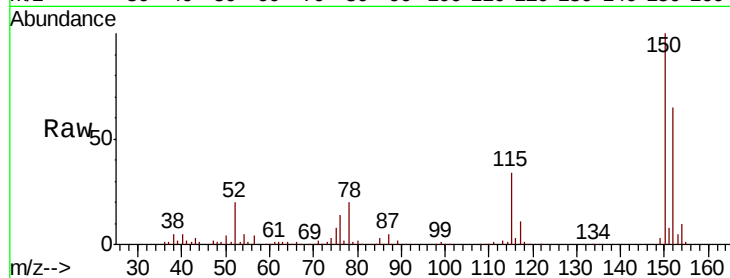
Tot Ion:152 Resp: 175128

Ion Ratio Lower Upper

152 100

115 51.7 27.1 81.2

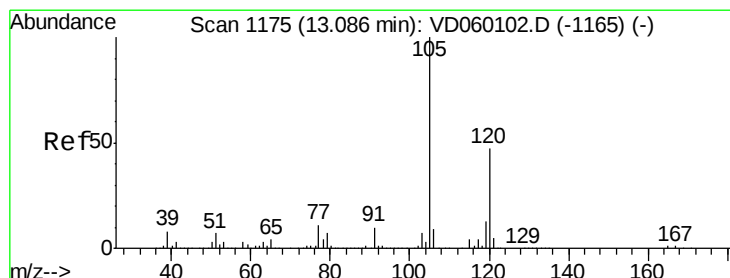
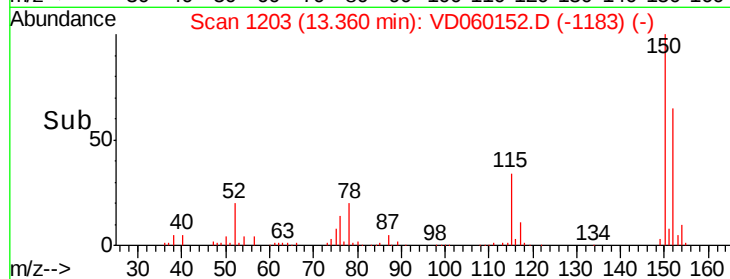
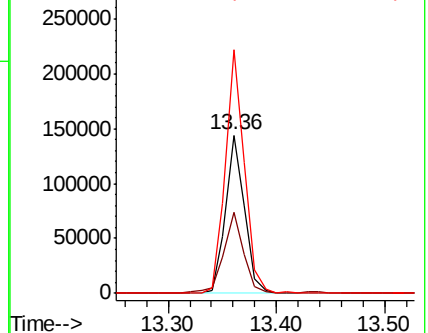
150 154.2 0.0 311.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#84

1,2,4-Trimethylbenzene

Concen: 2.261 ug/l

RT: 13.08 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VD060152.D

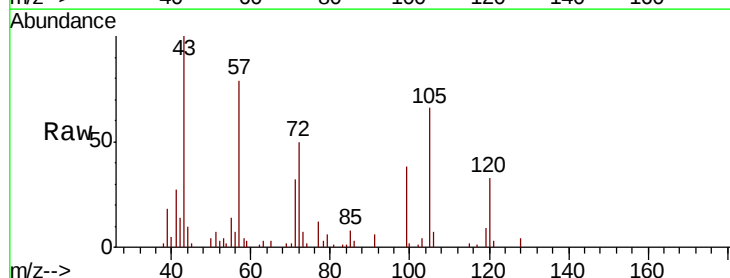
Acq: 9 Oct 2018 15:44

Tgt Ion:105 Resp: 21309

Ion Ratio Lower Upper

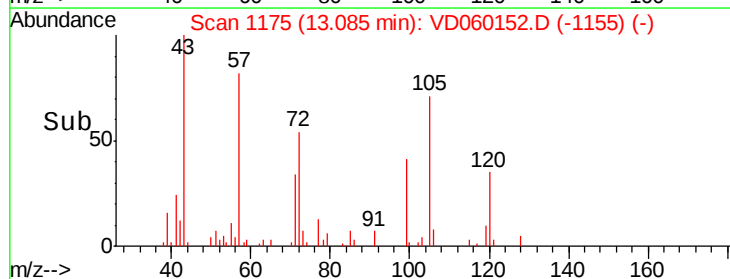
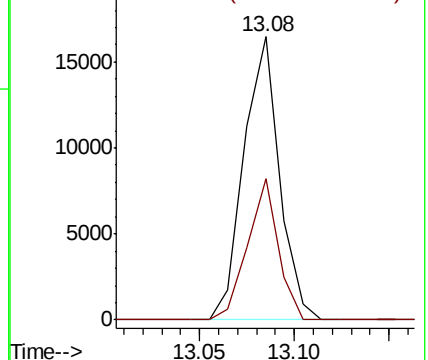
105 100

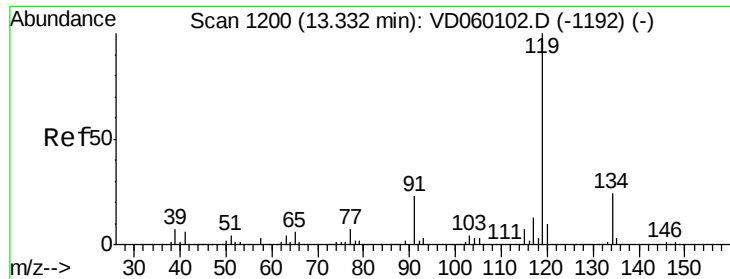
120 50.0 23.4 70.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

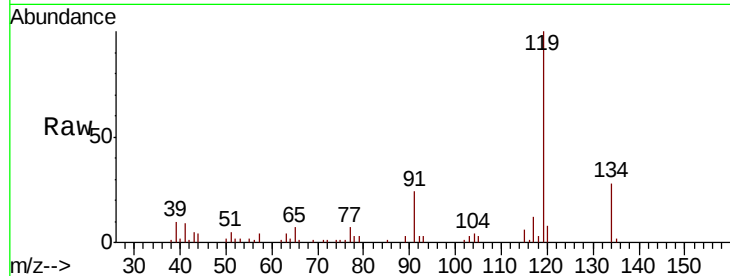




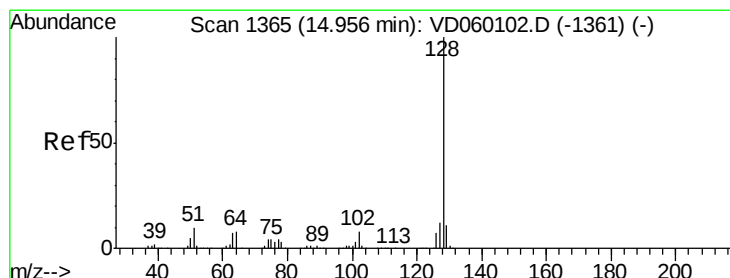
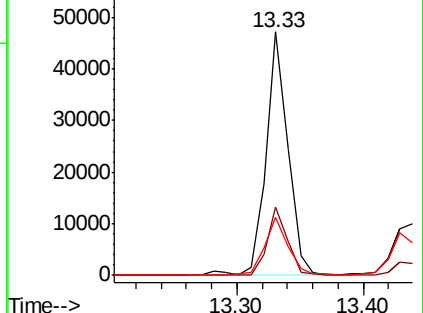
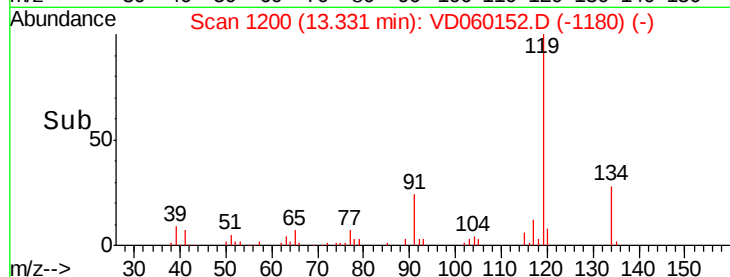
#86
p-Isopropyltoluene
Concen: 5.740 ug/l
RT: 13.33 min Scan# 1200
Delta R.T. -0.00 min
Lab File: VD060152.D
Acq: 9 Oct 2018 15:44

Instrument :
MSVOA_D
ClientSampleId :
OILY-DEBRIS

Tot Ion:119 Resp: 57122
Ion Ratio Lower Upper
119 100
134 28.0 12.3 36.8
91 24.1 11.8 35.4

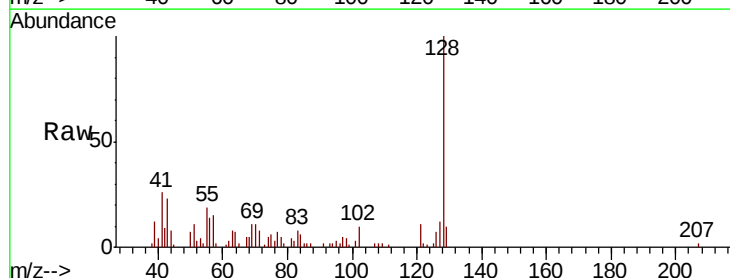


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 134.10 (133.80 to 134.80): V
Ion 91.00 (90.70 to 91.70): V



#95
Naphthalene
Concen: 5.201 ug/l
RT: 14.95 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VD060152.D
Acq: 9 Oct 2018 15:44

Tgt Ion:128 Resp: 32187
Ion Ratio Lower Upper
128 100
127 12.3 9.9 14.9
129 9.7 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

