

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031419\
 Data File : VF061952.D
 Acq On : 14 Mar 2019 21:38
 Operator : VA/AP
 Sample : K1906-01
 Misc : 5.03g/5mL/MSVOA-F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 OILY-DEBRIS

Quant Time: Mar 15 01:20:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F030419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 05 04:50:44 2019
 Response via : Initial Calibration

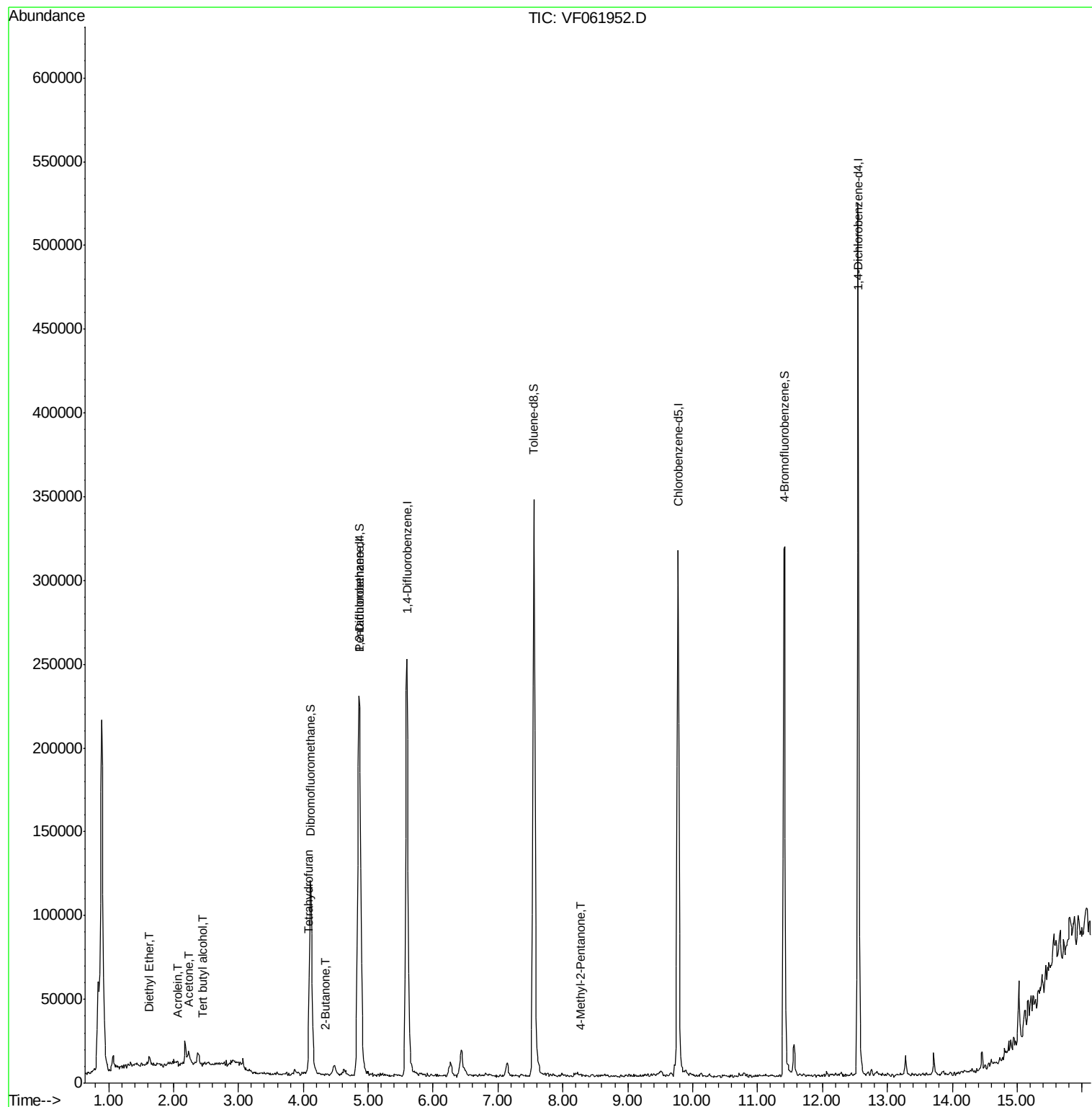
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	204075	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.60	114	309976	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.78	117	260900	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	141579	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	82202	55.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.62%	
35) Dibromofluoromethane	4.11	113	118740	54.89	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	109.78%	
50) Toluene-d8	7.55	98	318892	49.60	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	99.20%	
62) 4-Bromofluorobenzene	11.41	95	131079	52.04	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	104.08%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	1.63	74	1568	2.449	ug/l	82
11) Tert butyl alcohol	2.44	59	86	1.020	ug/l #	1
13) Acrolein	2.08	56	593	5.548	ug/l	92
16) Acetone	2.24	43	3399	10.918	ug/l #	50
18) Methyl Acetate	2.37	43	4602	Below Cal	#	62
20) Methylene Chloride	2.18	84	5994	Below Cal		93
25) 2-Butanone	4.35	43	1531	2.418	ug/l #	56
29) Tetrahydrofuran	4.08	42	580	2.124	ug/l #	45
51) 4-Methyl-2-Pentanone	8.28	43	1438	1.373	ug/l	99

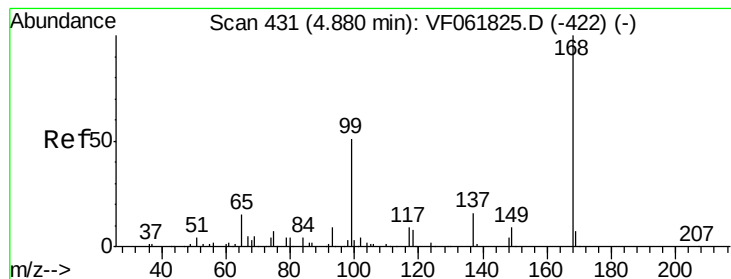
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Mar 05 04:50:44 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF061952.D

Acq: 14 Mar 2019 21:38

Instrument :

MSVOA_F

ClientSampleId :

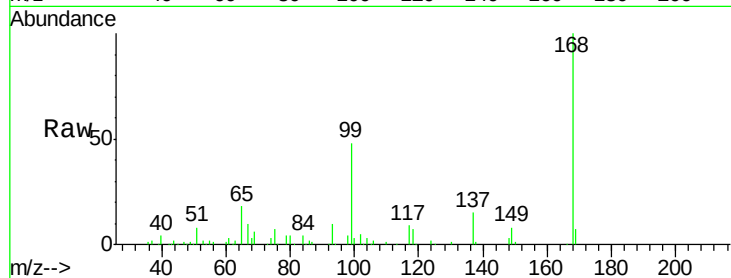
OILY-DEBRIS

Tot Ion:168 Resp: 204075

Ion Ratio Lower Upper

168 100

99 47.8 40.8 61.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

60000

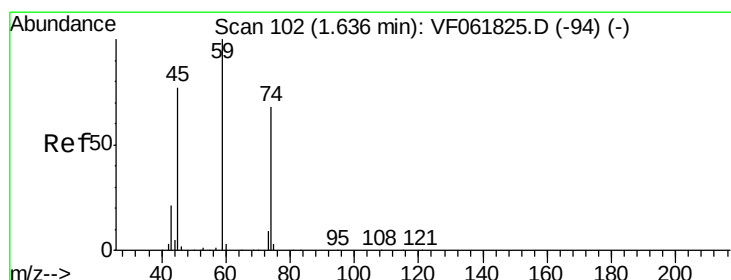
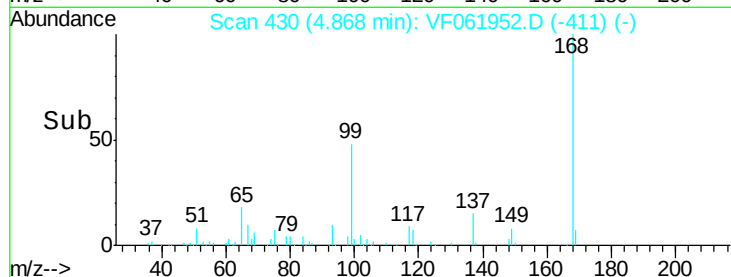
40000

20000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#8

Diethyl Ether

Concen: 2.449 ug/l

RT: 1.63 min Scan# 102

Delta R.T. -0.00 min

Lab File: VF061952.D

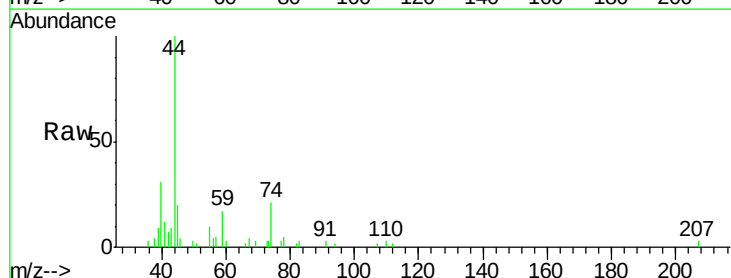
Acq: 14 Mar 2019 21:38

Tgt Ion: 74 Resp: 1568

Ion Ratio Lower Upper

74 100

45 94.9 57.2 171.6



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

1.63

1200

1000

800

600

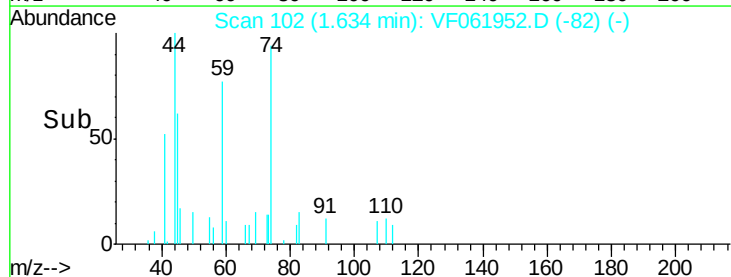
400

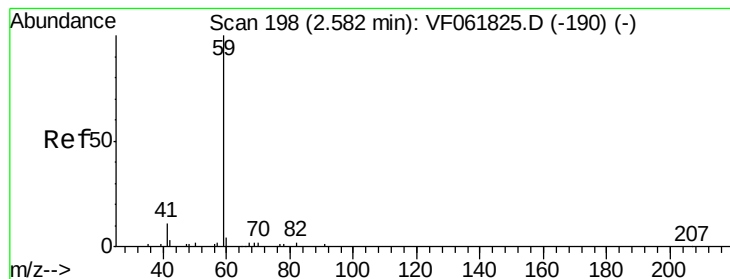
200

0

1.60 1.65 1.70

Time-->





#11

Tert butyl alcohol

Concen: 1.020 ug/l

RT: 2.44 min Scan# 184

Delta R.T. -0.14 min

Lab File: VF061952.D

Acq: 14 Mar 2019 21:38

Instrument :

MSVOA_F

ClientSampleId :

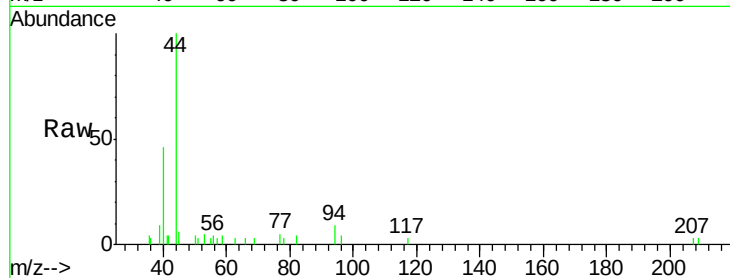
OILY-DEBRIS

Tot Ion: 59 Resp: 86

Ion Ratio Lower Upper

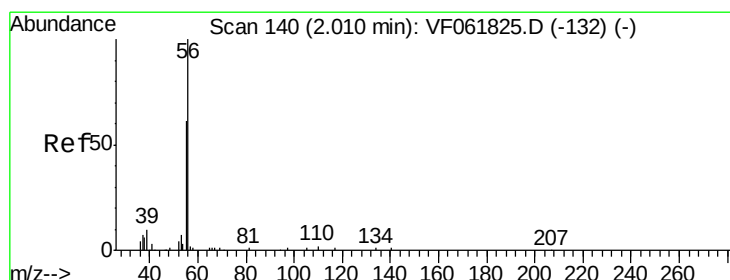
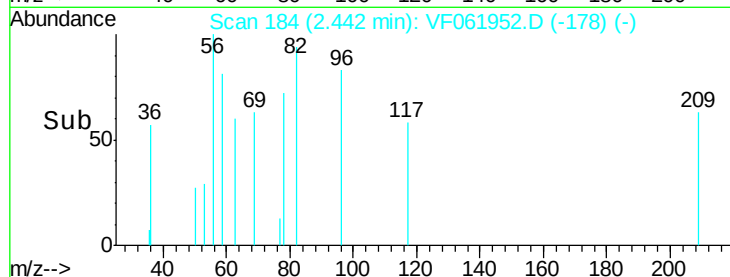
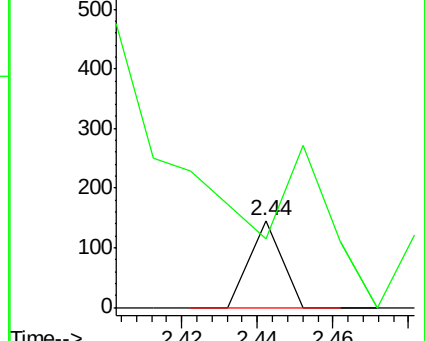
59 100

57 79.3 11.8 17.6#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0



#13

Acrolein

Concen: 5.548 ug/l

RT: 2.08 min Scan# 147

Delta R.T. 0.07 min

Lab File: VF061952.D

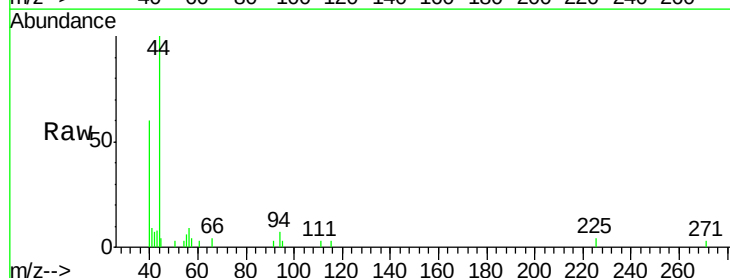
Acq: 14 Mar 2019 21:38

Tgt Ion: 56 Resp: 593

Ion Ratio Lower Upper

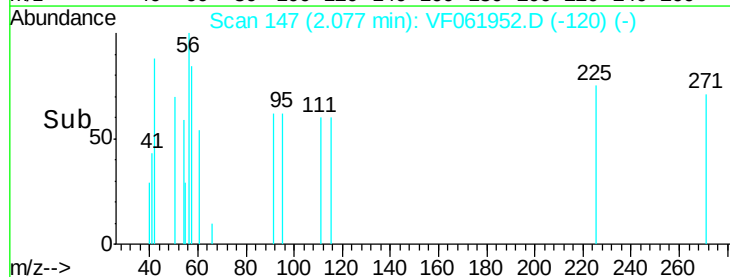
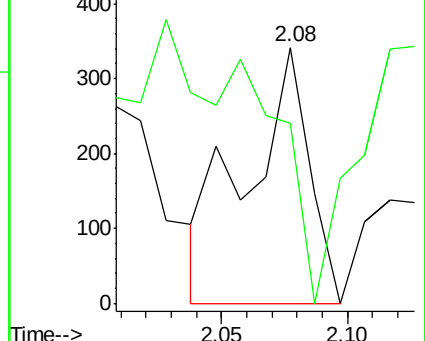
56 100

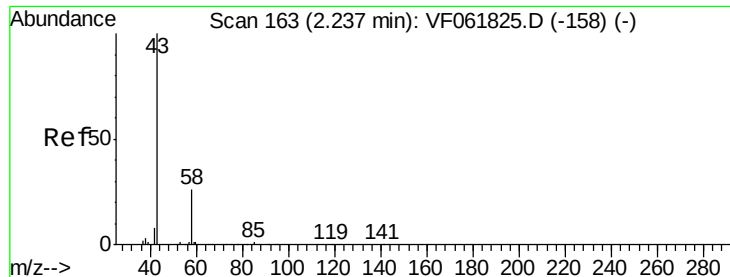
55 70.5 51.3 76.9



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0





#16

Acetone

Concen: 10.918 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.00 min

Lab File: VF061952.D

Acq: 14 Mar 2019 21:38

Instrument :

MSVOA_F

ClientSampleId :

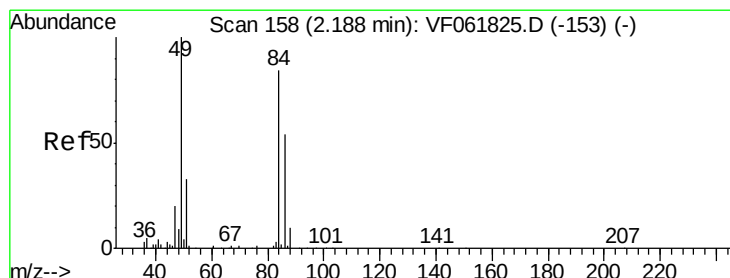
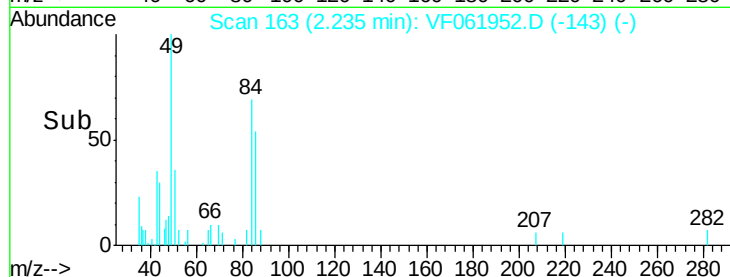
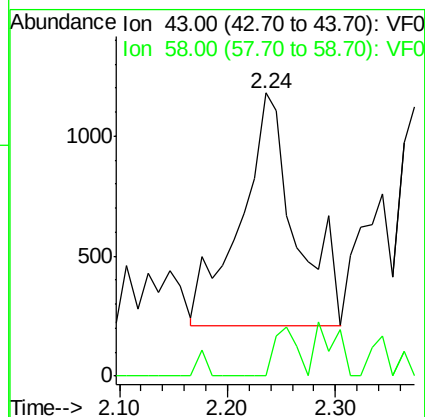
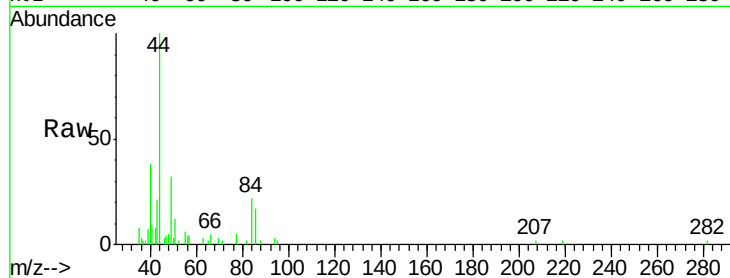
OILY-DEBRIS

Tot Ion: 43 Resp: 3399

Ion Ratio Lower Upper

43 100

58 0.0 20.3 30.5#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.18 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF061952.D

Acq: 14 Mar 2019 21:38

Tgt Ion: 84 Resp: 5994

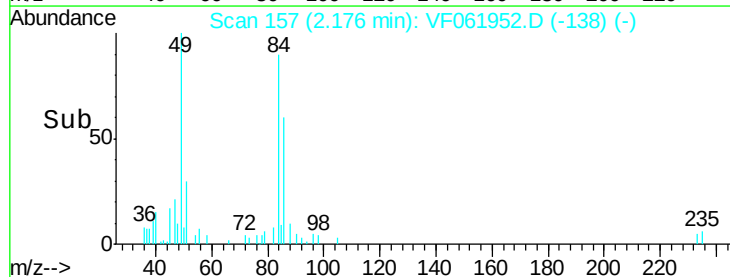
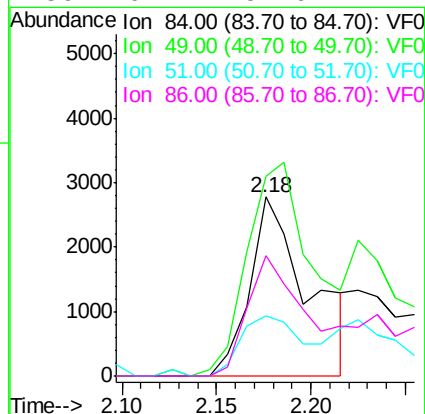
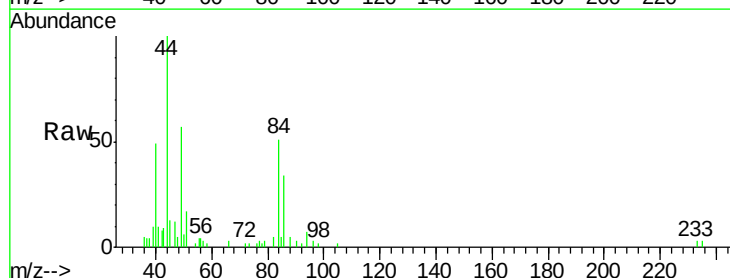
Ion Ratio Lower Upper

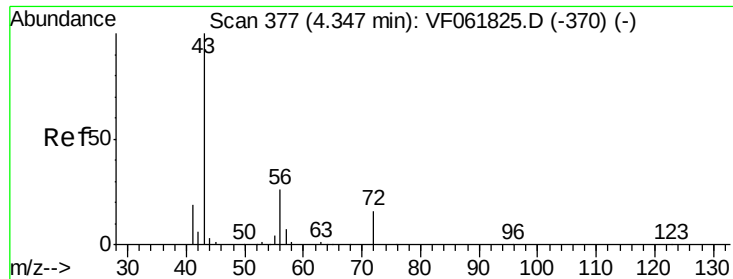
84 100

49 111.2 96.8 145.2

51 33.5 31.8 47.6

86 67.1 51.6 77.4





#25

2-Butanone

Concen: 2.418 ug/l

RT: 4.35 min Scan# 377

Delta R.T. -0.00 min

Lab File: VF061952.D

Acq: 14 Mar 2019 21:38

Instrument :

MSVOA_F

ClientSampleId :

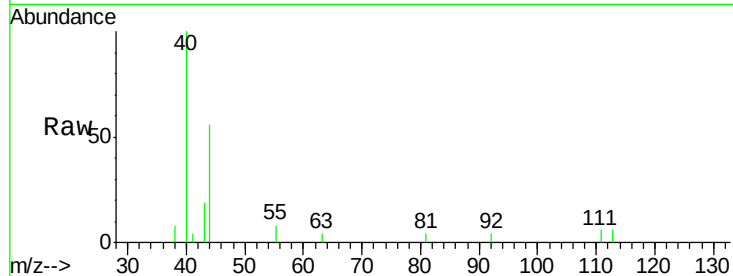
OILY-DEBRIS

Tot Ion: 43 Resp: 1531

Ion Ratio Lower Upper

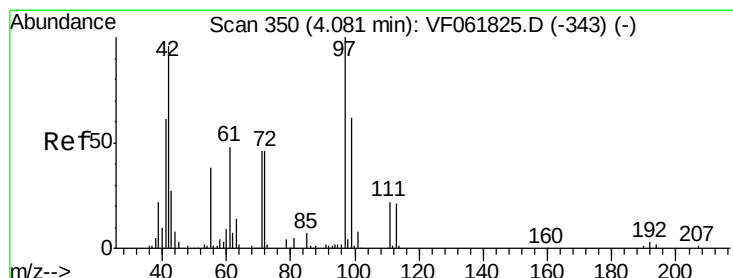
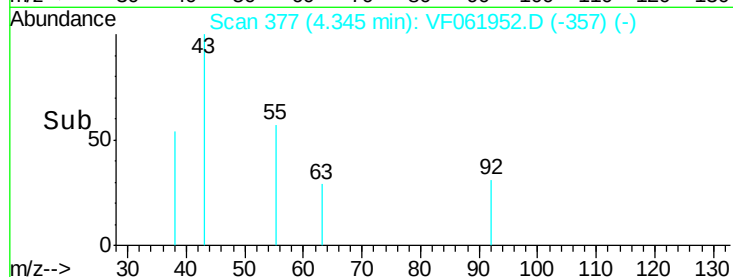
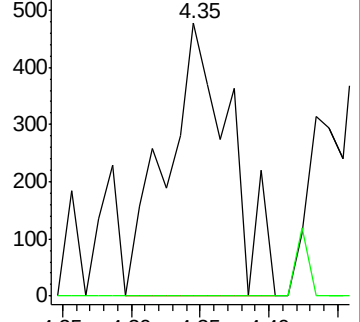
43 100

72 0.0 16.2 24.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#29

Tetrahydrofuran

Concen: 2.124 ug/l

RT: 4.08 min Scan# 350

Delta R.T. -0.00 min

Lab File: VF061952.D

Acq: 14 Mar 2019 21:38

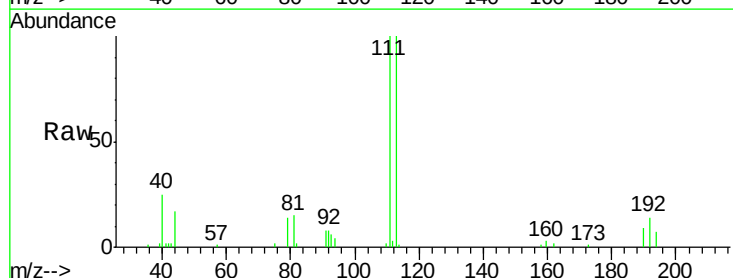
Tgt Ion: 42 Resp: 580

Ion Ratio Lower Upper

42 100

72 0.0 34.4 51.6#

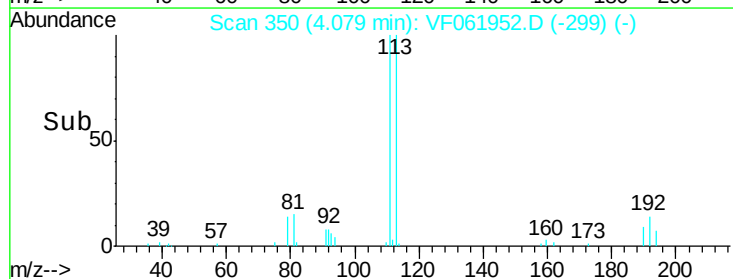
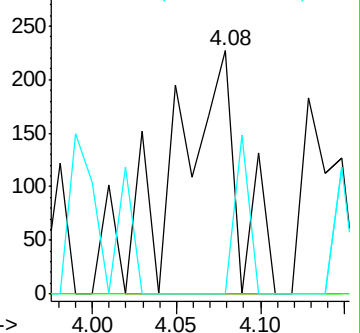
71 15.2 34.6 52.0#

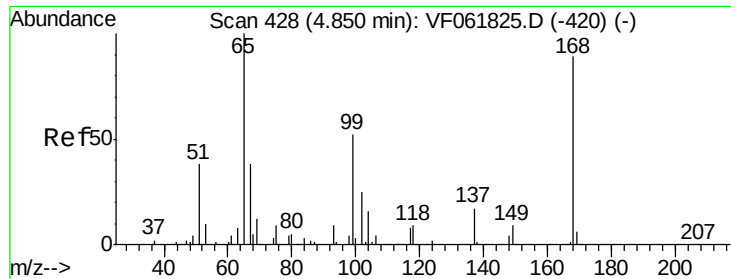


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0

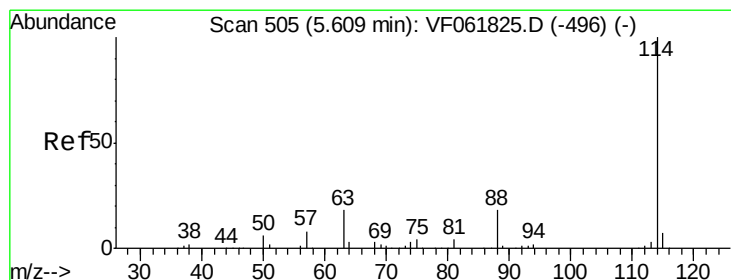
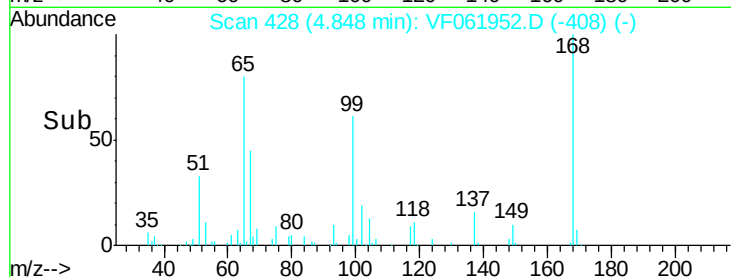
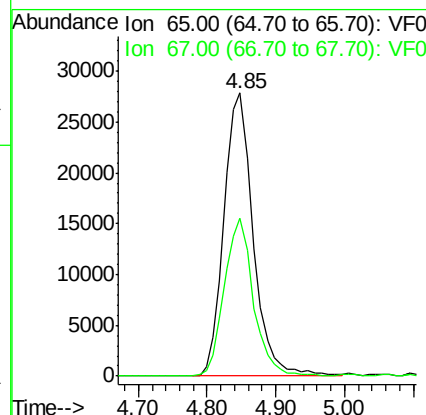
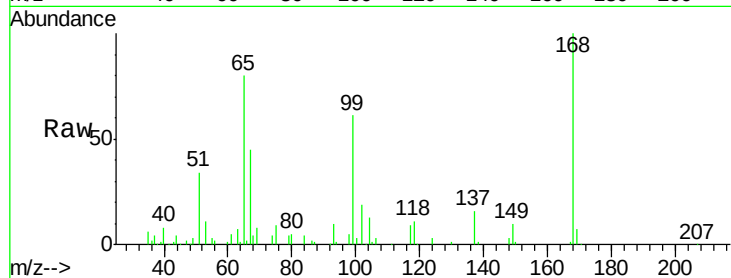




#33
 1,2-Dichloroethane-d4
 Concen: 55.311 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. -0.00 min
 Lab File: VF061952.D
 Acq: 14 Mar 2019 21:38

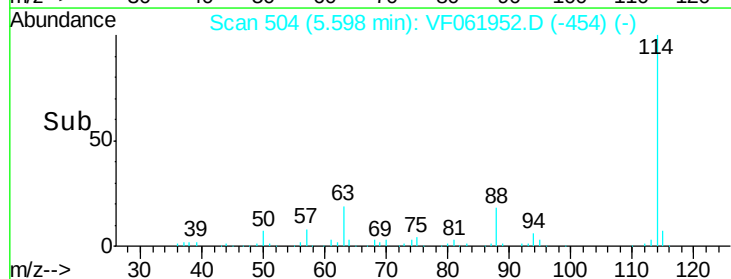
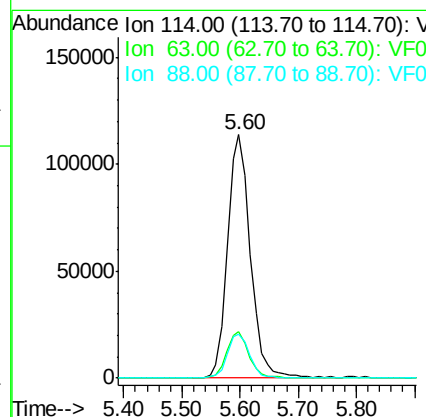
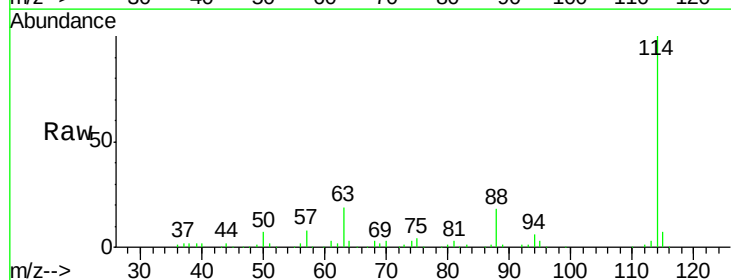
Instrument :
 MSVOA_F
 ClientSampleId :
 OILY-DEBRIS

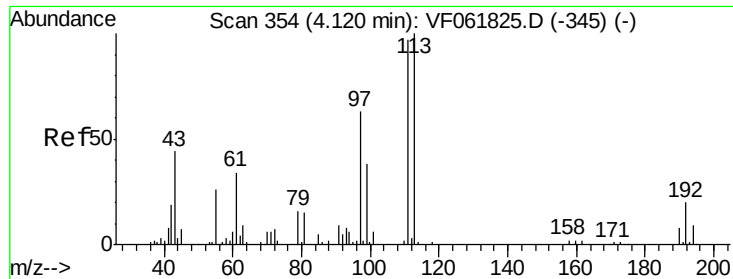
Tot Ion: 65 Resp: 82202
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.01 min
 Lab File: VF061952.D
 Acq: 14 Mar 2019 21:38

Tgt Ion: 114 Resp: 309976
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 35.6
 88 18.1 0.0 35.6





#35

Dibromofluoromethane

Concen: 54.890 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.01 min

Lab File: VF061952.D

Acq: 14 Mar 2019 21:38

Instrument :

MSVOA_F

ClientSampleId :

OILY-DEBRIS

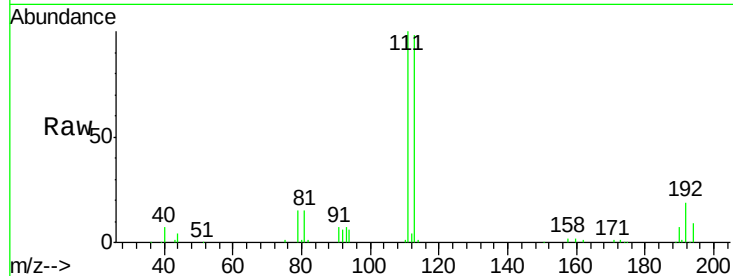
Tot Ion:113 Resp: 118740

Ion Ratio Lower Upper

113 100

111 101.8 77.6 116.4

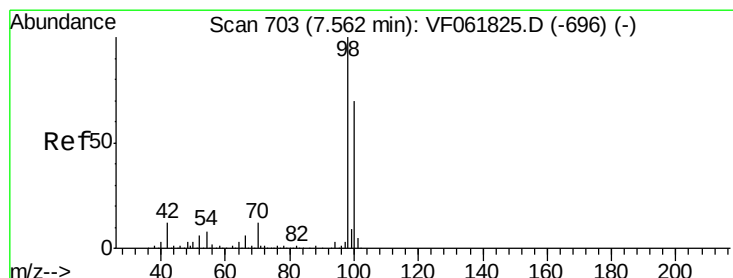
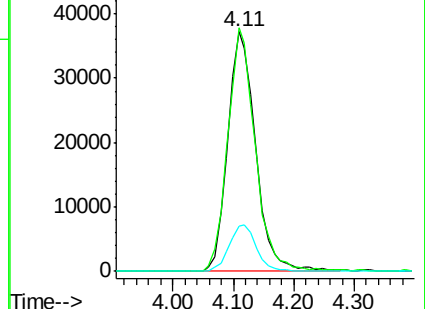
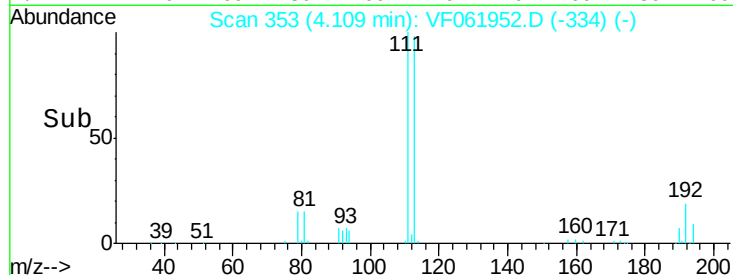
192 19.6 15.9 23.9



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#50

Toluene-d8

Concen: 49.596 ug/l

RT: 7.55 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF061952.D

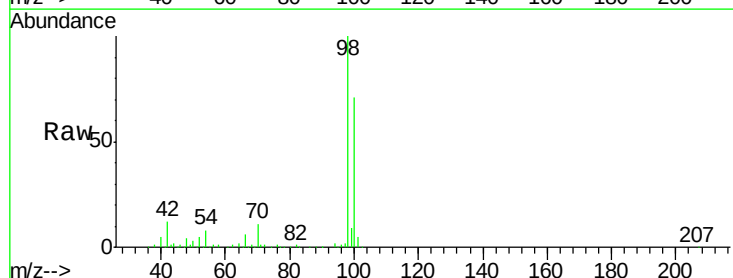
Acq: 14 Mar 2019 21:38

Tgt Ion: 98 Resp: 318892

Ion Ratio Lower Upper

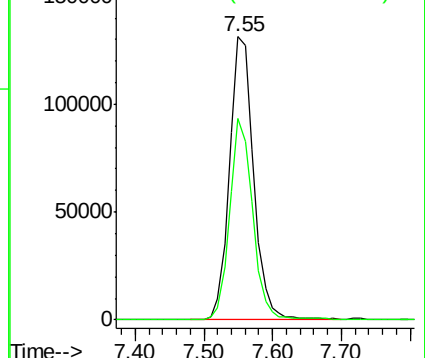
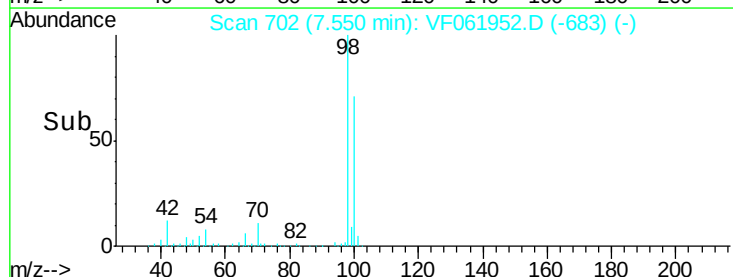
98 100

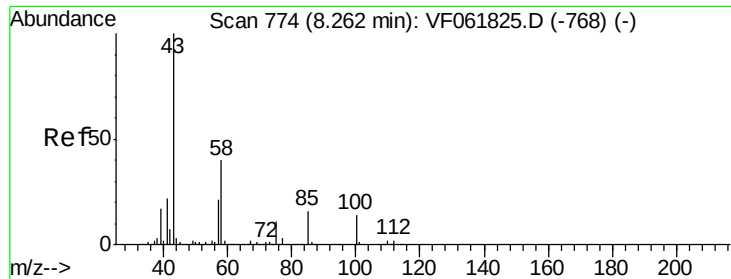
100 71.0 56.0 84.0



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF





#51

4-Methyl-2-Pentanone

Concen: 1.373 ug/l

RT: 8.28 min Scan# 776

Delta R.T. 0.02 min

Lab File: VF061952.D

Acq: 14 Mar 2019 21:38

Instrument :

MSVOA_F

ClientSampleId :

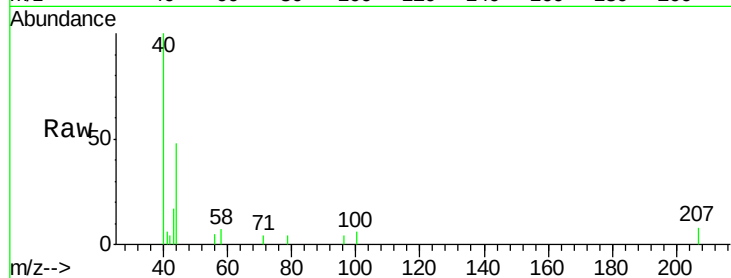
OILY-DEBRIS

Tot Ion: 43 Resp: 1438

Ion Ratio Lower Upper

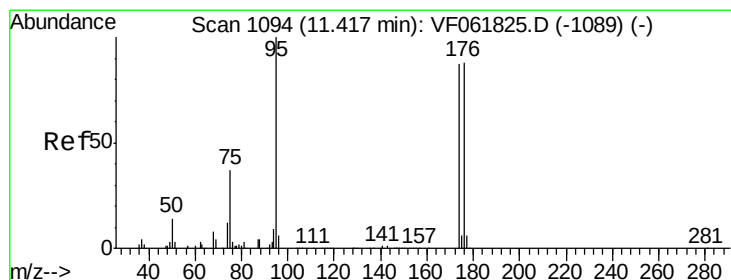
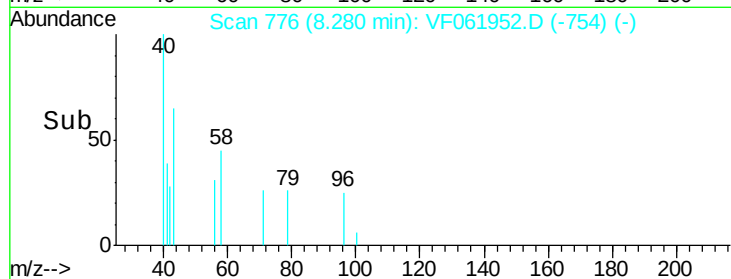
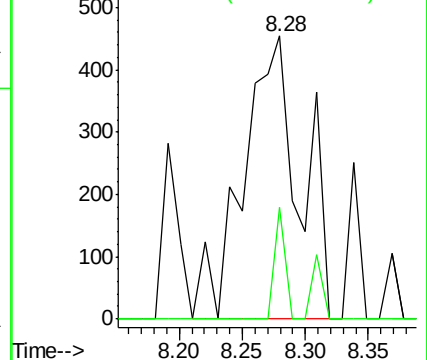
43 100

58 39.4 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#62

4-Bromofluorobenzene

Concen: 52.042 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VF061952.D

Acq: 14 Mar 2019 21:38

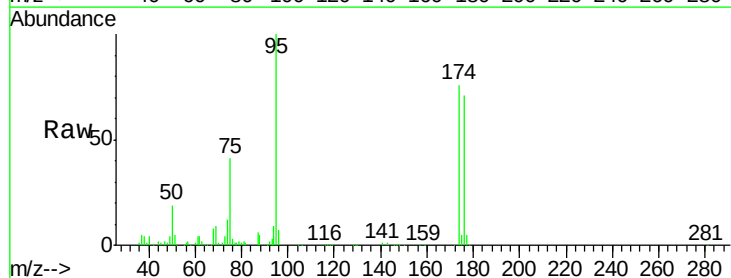
Tgt Ion: 95 Resp: 131079

Ion Ratio Lower Upper

95 100

174 76.1 0.0 174.0

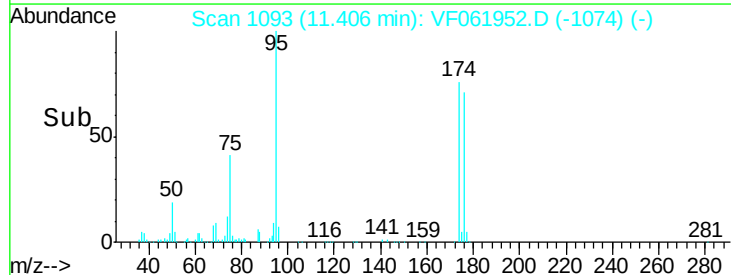
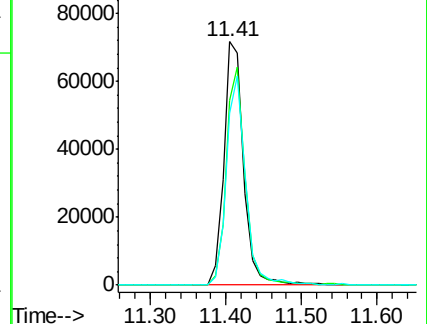
176 70.6 0.0 175.2

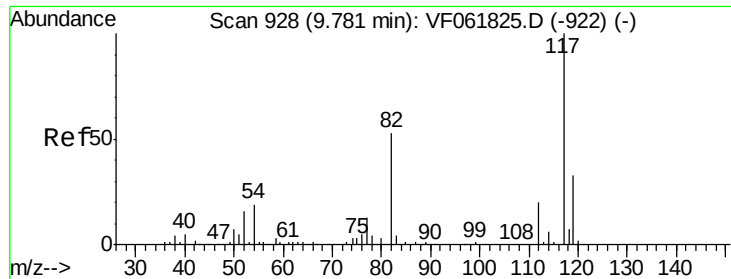


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

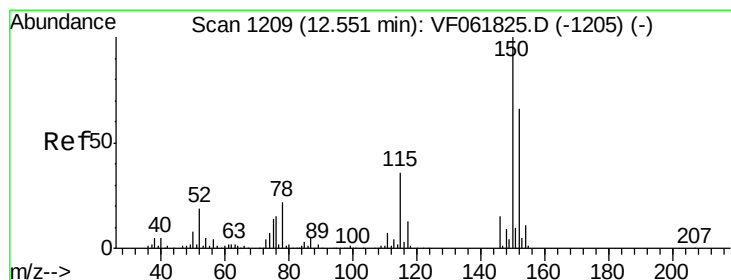
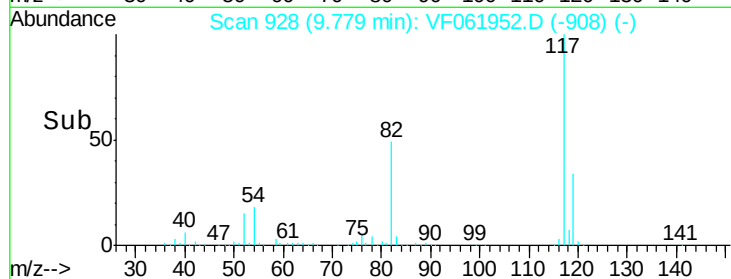
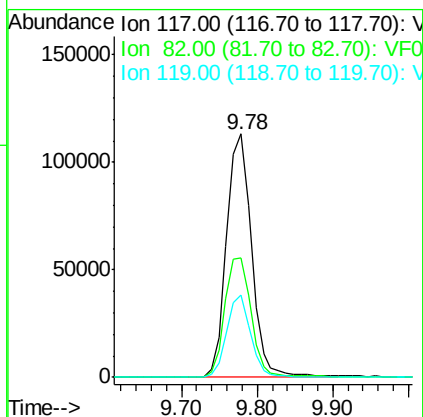
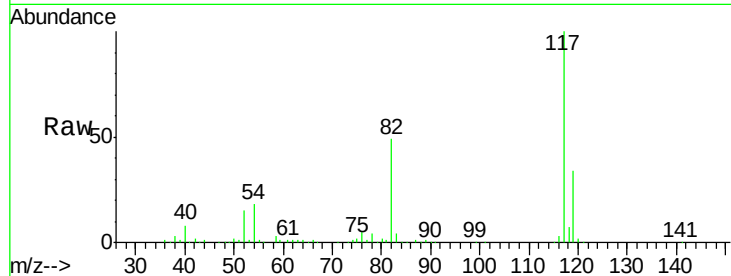




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.78 min Scan# 928
 Delta R.T. -0.00 min
 Lab File: VF061952.D
 Acq: 14 Mar 2019 21:38

Instrument :
 MSVOA_F
 ClientSampleId :
 OILY-DEBRIS

Tot Ion:117 Resp: 260900
 Ion Ratio Lower Upper
 117 100
 82 49.1 42.6 63.8
 119 33.8 26.0 39.0



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.00 min
 Lab File: VF061952.D
 Acq: 14 Mar 2019 21:38

Tgt Ion:152 Resp: 141579
 Ion Ratio Lower Upper
 152 100
 115 54.4 27.7 83.1
 150 155.3 0.0 304.2

