

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF041919\
 Data File : VF062230.D
 Acq On : 19 Apr 2019 17:41
 Operator : FY/SY
 Sample : K2453-01RE
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 OILY-STONES

Quant Time: Apr 19 23:02:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F041719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 19 03:56:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	444848	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.78	114	643184	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.91	117	463114	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	234623	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	185402	45.45	ug/l	0.03
Spiked Amount			Recovery	=	90.90%	
35) Dibromofluoromethane	4.32	113	248804	44.22	ug/l	0.02
Spiked Amount			Recovery	=	88.44%	
50) Toluene-d8	7.72	98	545644	38.31	ug/l	0.02
Spiked Amount			Recovery	=	76.62%	
62) 4-Bromofluorobenzene	11.50	95	218808	39.94	ug/l	0.02
Spiked Amount			Recovery	=	79.88%	

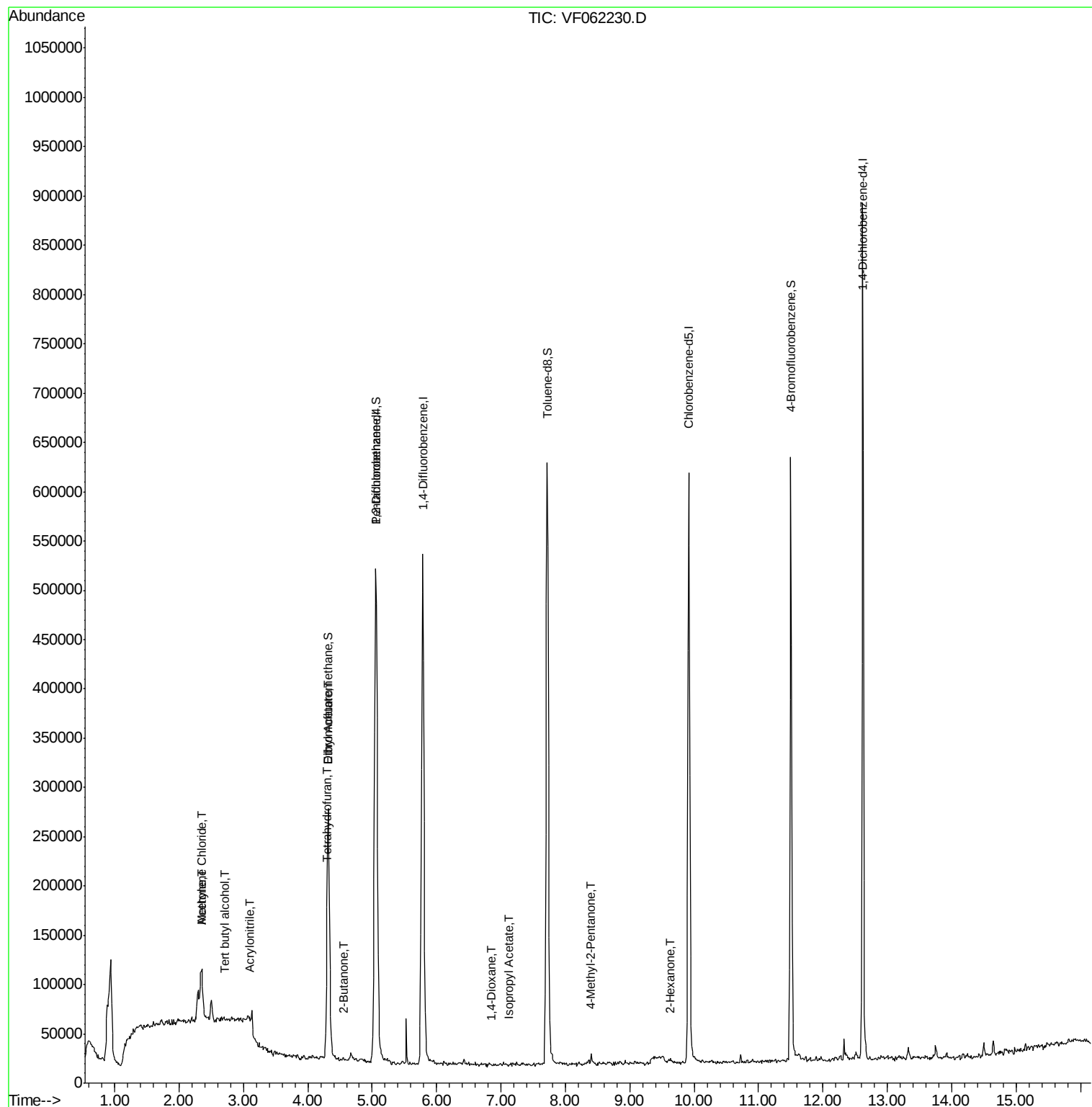
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.72	59	507	1.788	ug/l #	1
13) Acrolein	2.11	56	331	Below Cal	#	1
15) Acrylonitrile	3.10	53	1991	2.305	ug/l #	49
16) Acetone	2.36	43	8953	9.183	ug/l #	52
18) Methyl Acetate	2.49	43	10479	Below Cal	#	65
20) Methylene Chloride	2.35	84	37309	1.749	ug/l #	79
25) 2-Butanone	4.54	43	5334	2.736	ug/l	98
29) Tetrahydrofuran	4.29	42	1730	1.960	ug/l #	39
37) Ethyl Acetate	4.33	43	3790	1.042	ug/l #	74
43) Isopropyl Acetate	7.12	43	3899	1.019	ug/l #	51
49) 1,4-Dioxane	6.85	88	89	3.085	ug/l #	1
51) 4-Methyl-2-Pentanone	8.41	43	3360	1.180	ug/l	91
59) 2-Hexanone	9.63	43	3260	1.973	ug/l	95
74) N-amyl acetate	11.32	43	2232	Below Cal	#	48
89) n-Butylbenzene	12.91	91	2238	Below Cal		87

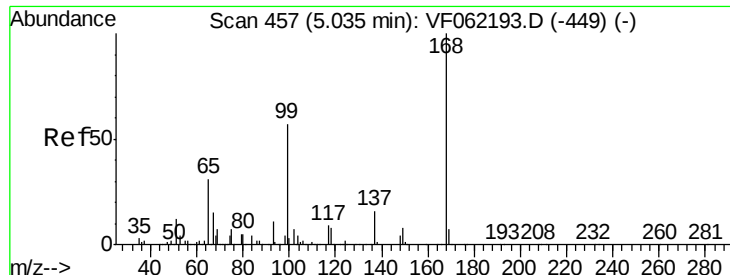
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Apr 19 03:56:19 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 460

Delta R.T. 0.03 min

Lab File: VF062230.D

Acq: 19 Apr 2019 17:41

Instrument :

MSVOA_F

ClientSampleId :

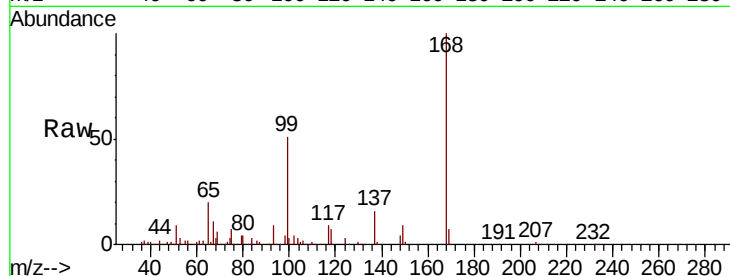
OILY-STONES

Tot Ion:168 Resp: 444848

Ion Ratio Lower Upper

168 100

99 50.7 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0

150000

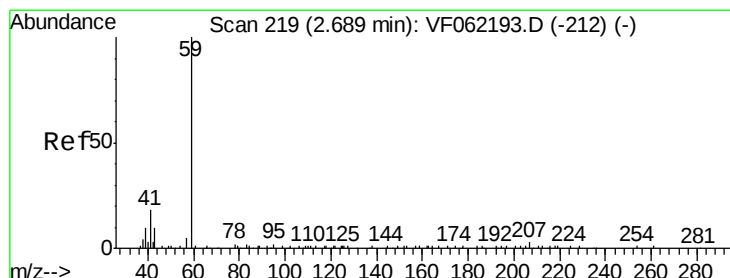
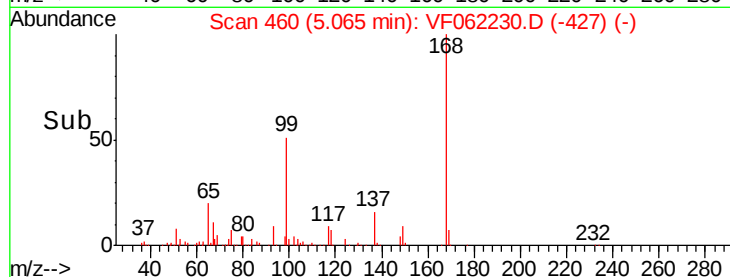
100000

50000

0

4.90 5.00 5.10 5.20 5.30

Time-->



#11

Tert butyl alcohol

Concen: 1.788 ug/l

RT: 2.72 min Scan# 222

Delta R.T. 0.03 min

Lab File: VF062230.D

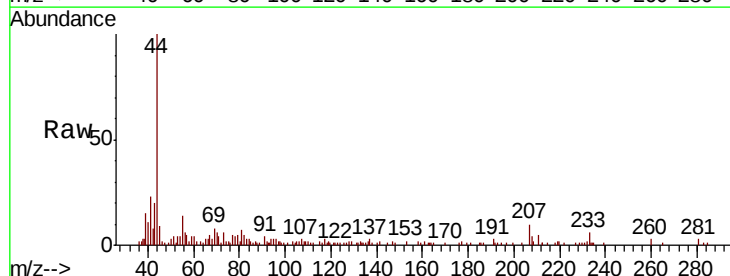
Acq: 19 Apr 2019 17:41

Tgt Ion: 59 Resp: 507

Ion Ratio Lower Upper

59 100

57 98.2 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

1000

800

600

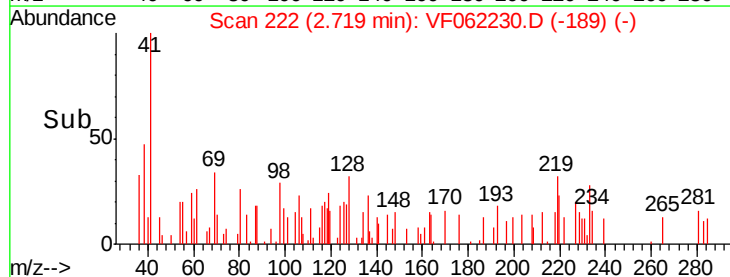
400

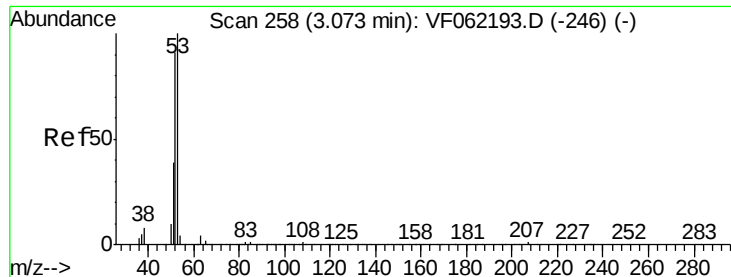
200

0

2.65 2.70 2.75

Time-->





#15

Acrylonitrile

Concen: 2.305 ug/l

RT: 3.10 min Scan# 261

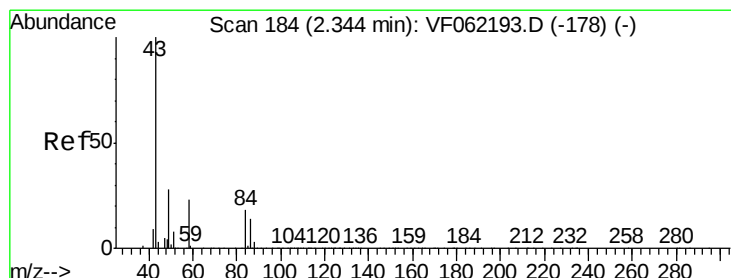
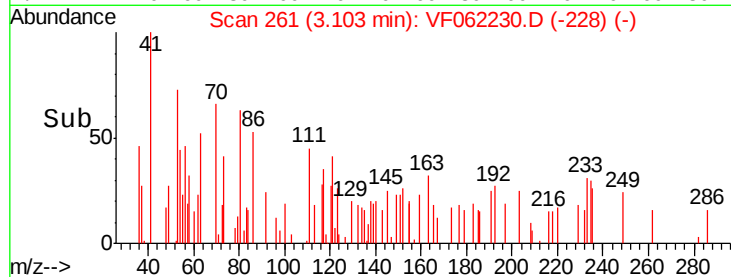
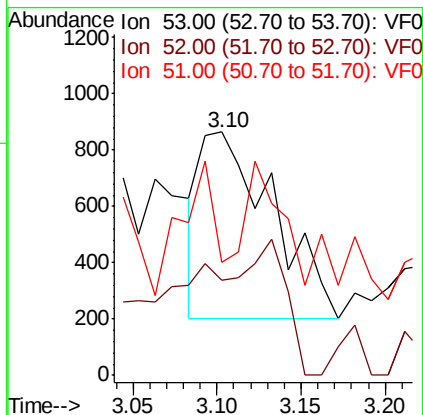
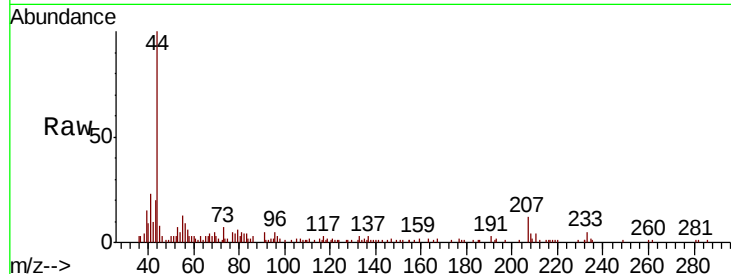
Delta R.T. 0.03 min

Lab File: VF062230.D

Acq: 19 Apr 2019 17:41

Instrument :
MSVOA_F
ClientSampleId :
OILY-STONES

Tot Ion:	53	Resp:	1991
Ion	Ratio	Lower	Upper
53	100		
52	22.6	69.5	104.3#
51	33.5	31.8	47.8



#16

Acetone

Concen: 9.183 ug/l

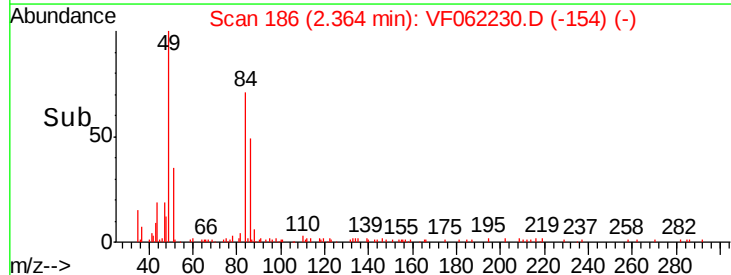
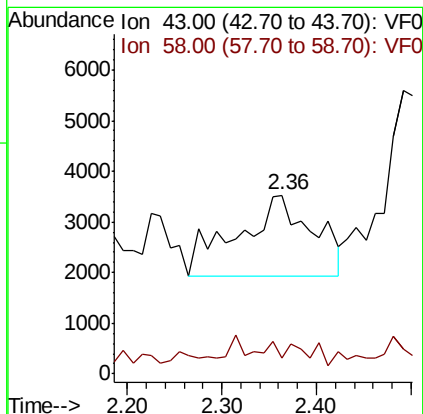
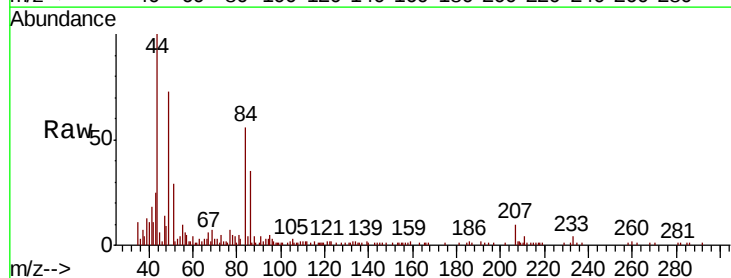
RT: 2.36 min Scan# 186

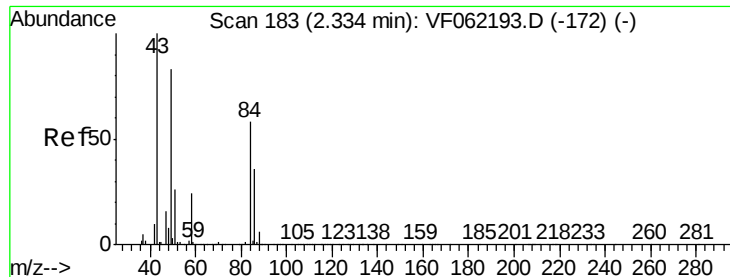
Delta R.T. 0.02 min

Lab File: VF062230.D

Acq: 19 Apr 2019 17:41

Tgt Ion:	43	Resp:	8953
Ion	Ratio	Lower	Upper
43	100		
58	0.0	18.8	28.2#

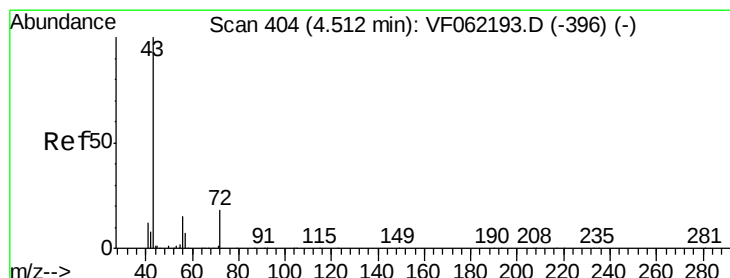
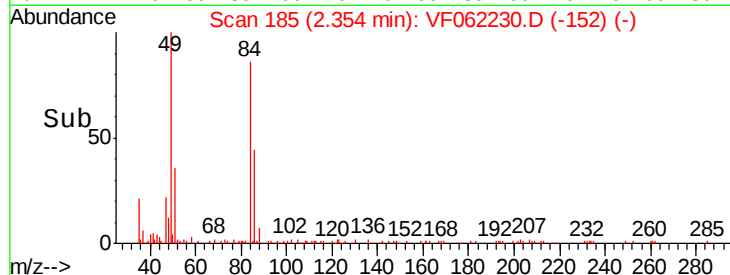
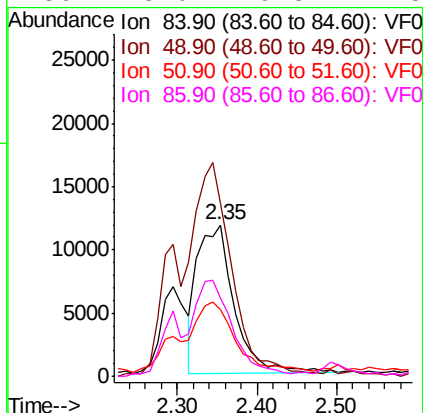
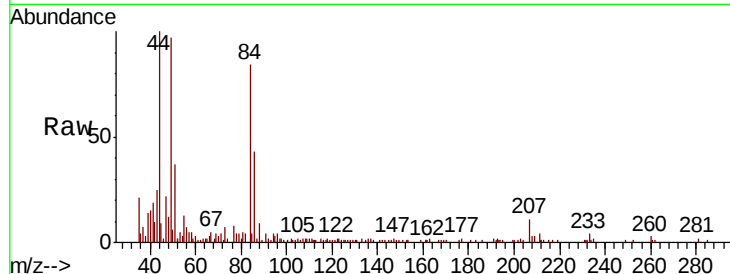




#20
Methvlene Chloride
Concen: 1.749 ug/l
RT: 2.35 min Scan# 185
Delta R.T. 0.02 min
Lab File: VF062230.D
Acq: 19 Apr 2019 17:41

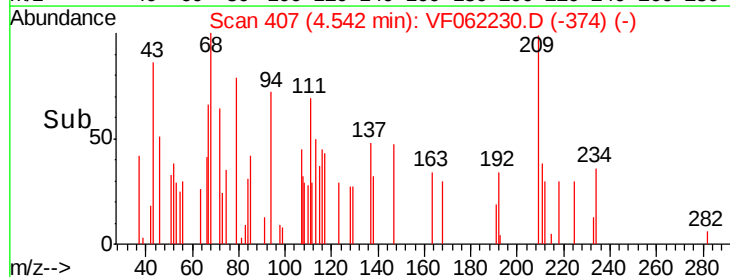
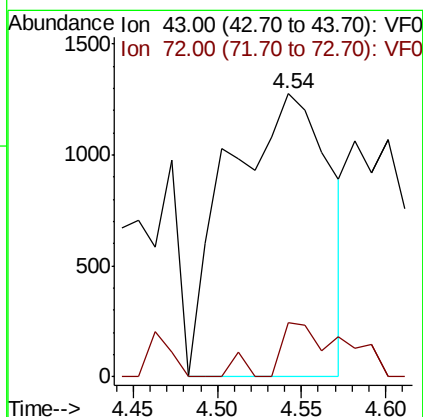
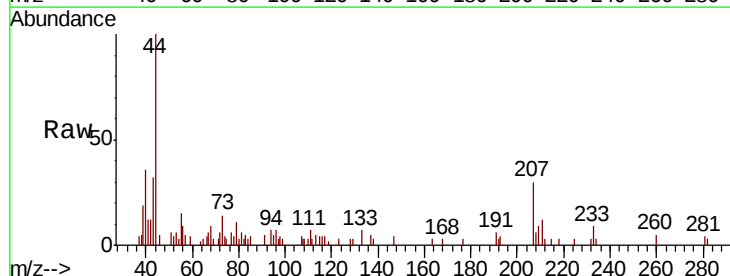
Instrument :
MSVOA_F
ClientSampleId :
OILY-STONES

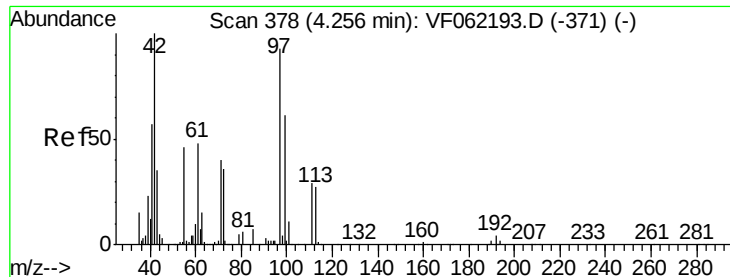
Tot Ion: 84 Resp: 37309
Ion Ratio Lower Upper
84 100
49 115.4 114.0 171.0
51 37.3 37.0 55.4
86 45.0 49.8 74.8#



#25
2-Butanone
Concen: 2.736 ug/l
RT: 4.54 min Scan# 407
Delta R.T. 0.03 min
Lab File: VF062230.D
Acq: 19 Apr 2019 17:41

Tgt Ion: 43 Resp: 5334
Ion Ratio Lower Upper
43 100
72 19.1 16.1 24.1





#29

Tetrahydrofuran

Concen: 1.960 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.03 min

Lab File: VF062230.D

Acq: 19 Apr 2019 17:41

Instrument :

MSVOA_F

ClientSampleId :

OILY-STONES

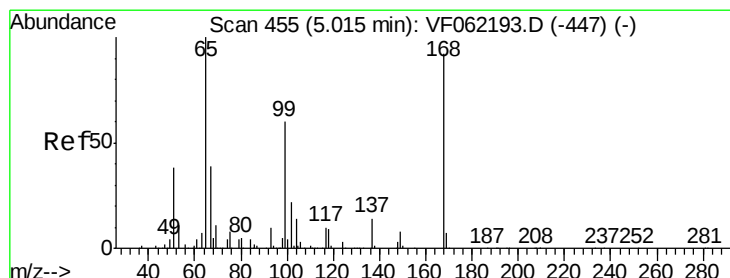
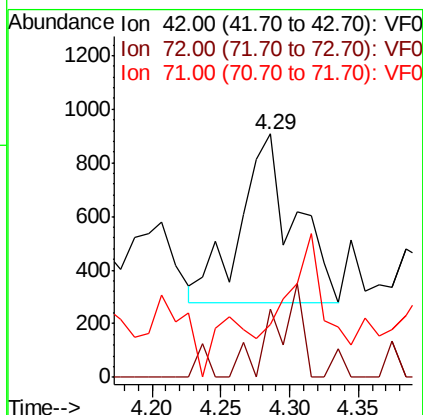
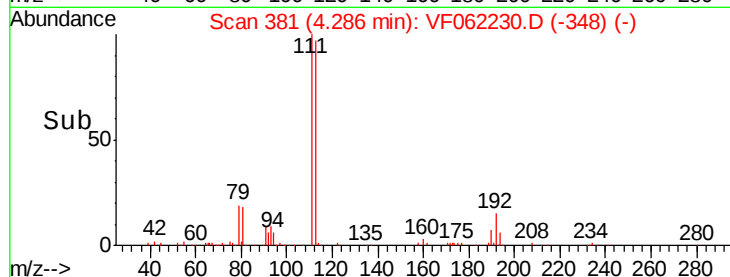
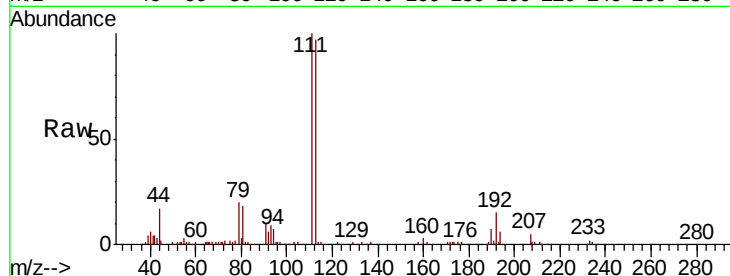
Tot Ion: 42 Resp: 1730

Ion Ratio Lower Upper

42 100

72 0.0 28.6 43.0#

71 0.0 29.2 43.8#



#33

1,2-Dichloroethane-d4

Concen: 45.453 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.03 min

Lab File: VF062230.D

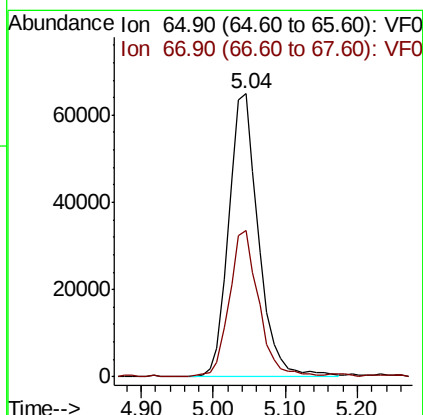
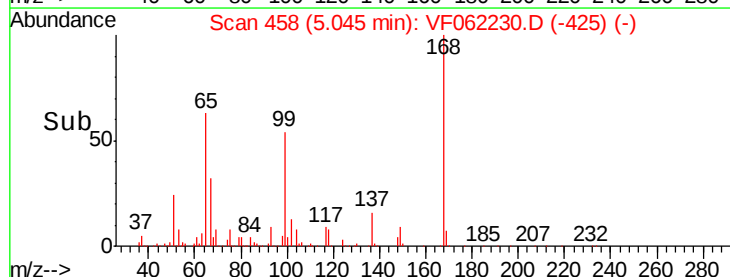
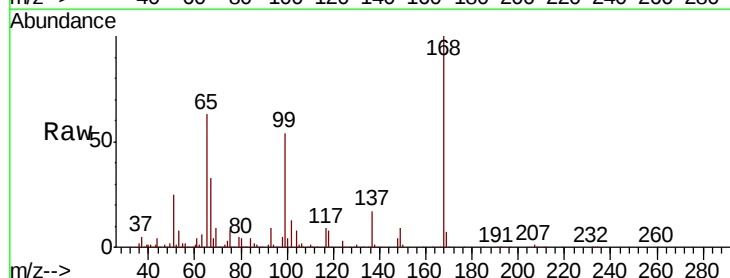
Acq: 19 Apr 2019 17:41

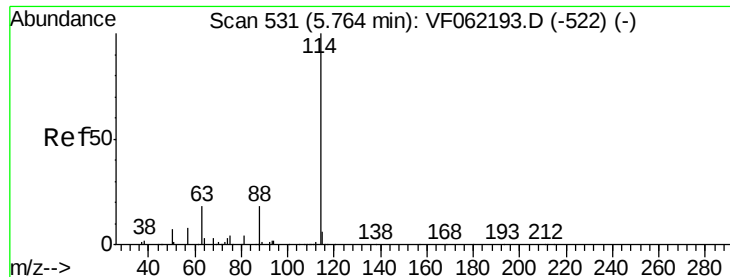
Tgt Ion: 65 Resp: 185402

Ion Ratio Lower Upper

65 100

67 52.0 0.0 109.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 533

Delta R.T. 0.02 min

Lab File: VF062230.D

Acq: 19 Apr 2019 17:41

Instrument :

MSVOA_F

ClientSampleId :

OILY-STONES

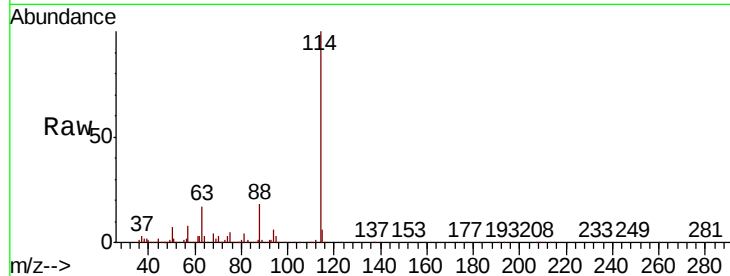
Tot Ion:114 Resp: 643184

Ion Ratio Lower Upper

114 100

63 17.4 0.0 36.6

88 17.8 0.0 35.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 87.90 (87.60 to 88.60): VF0

300000

250000

200000

150000

100000

50000

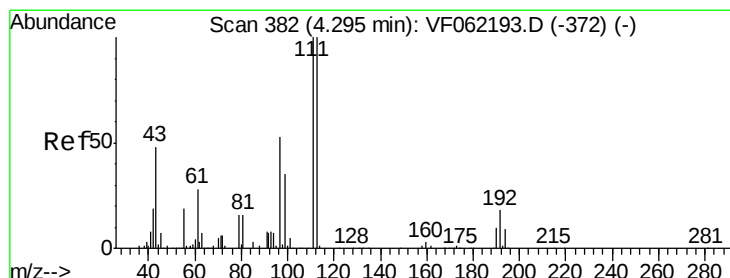
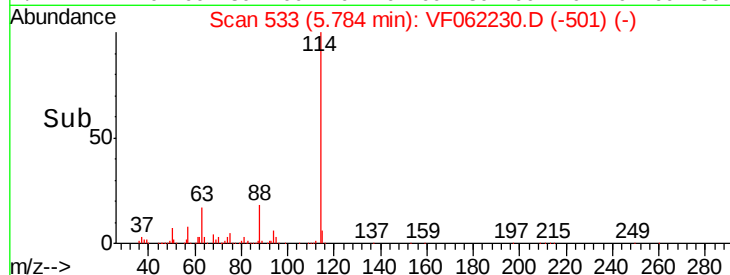
0

5.60

5.80

6.00

Time-->



#35

Dibromofluoromethane

Concen: 44.223 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.02 min

Lab File: VF062230.D

Acq: 19 Apr 2019 17:41

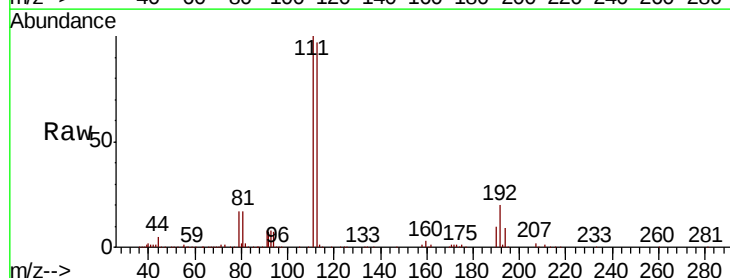
Tgt Ion:113 Resp: 248804

Ion Ratio Lower Upper

113 100

111 101.1 81.1 121.7

192 19.9 14.7 22.1



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

100000

80000

60000

40000

20000

0

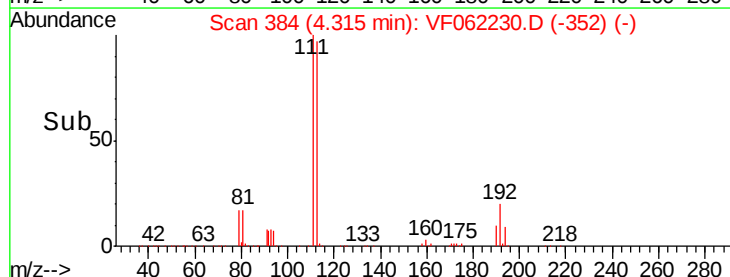
4.20

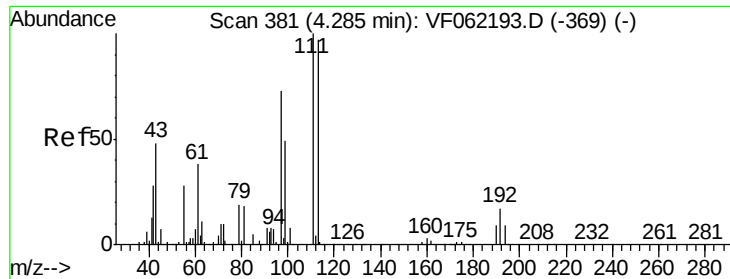
4.30

4.40

4.50

Time-->

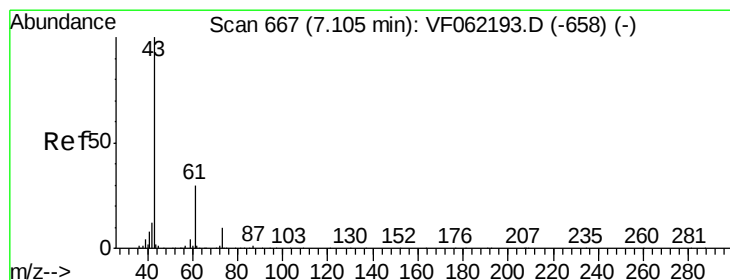
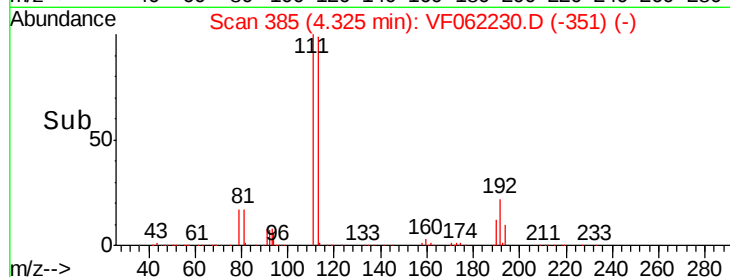
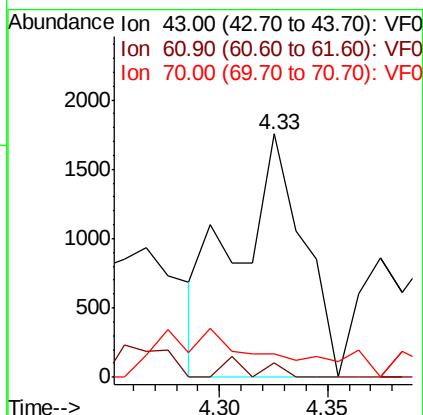
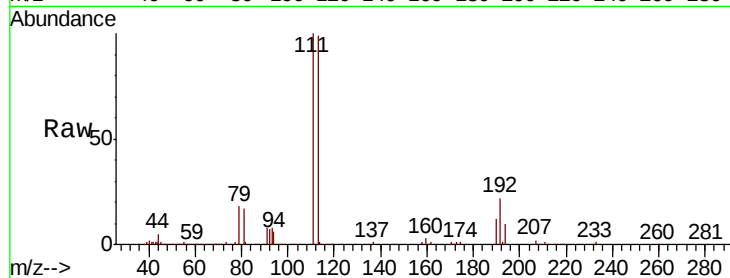




#37
Ethyl Acetate
Concen: 1.042 ug/l
RT: 4.33 min Scan# 385
Delta R.T. 0.04 min
Lab File: VF062230.D
Acq: 19 Apr 2019 17:41

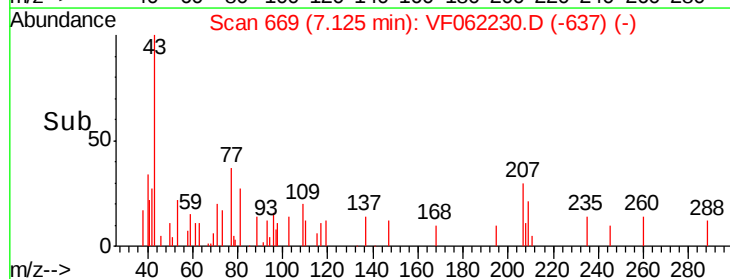
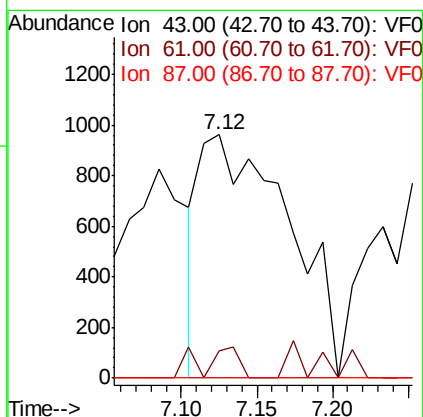
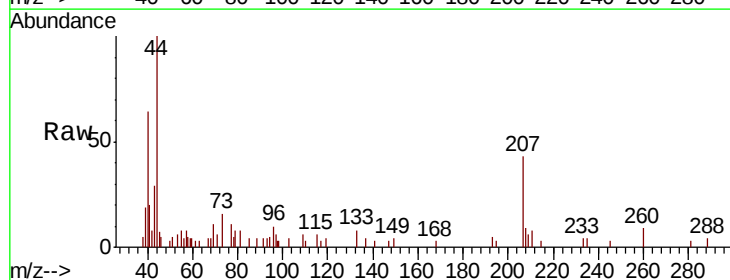
Instrument :
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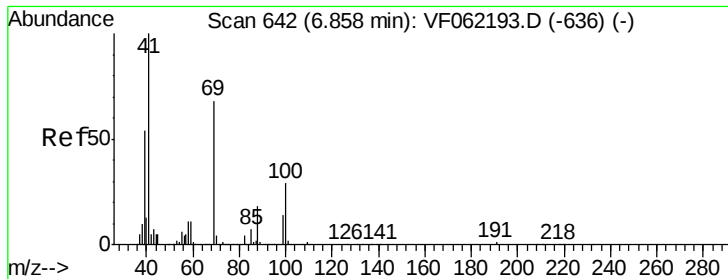
Tot Ion: 43 Resp: 3790
Ion Ratio Lower Upper
43 100
61 0.0 0.0 0.0
70 0.0 7.8 11.6#



#43
Isopropyl Acetate
Concen: 1.019 ug/l
RT: 7.12 min Scan# 669
Delta R.T. 0.02 min
Lab File: VF062230.D
Acq: 19 Apr 2019 17:41

Tgt Ion: 43 Resp: 3899
Ion Ratio Lower Upper
43 100
61 3.5 24.4 36.6#
87 0.0 0.4 0.6#

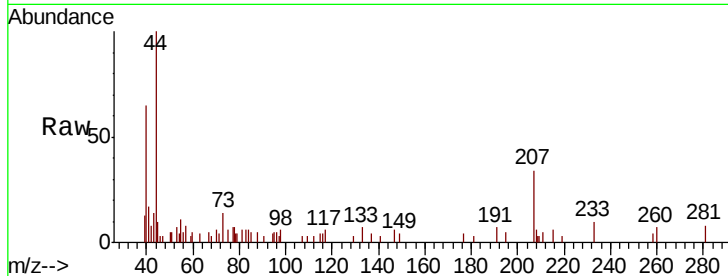




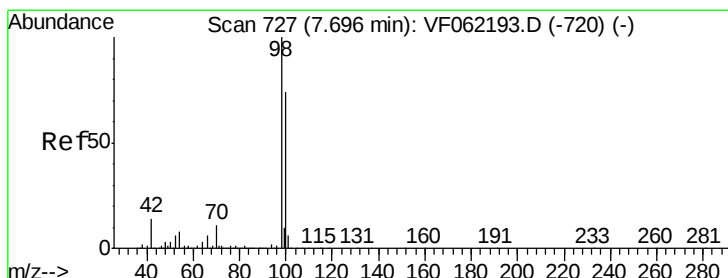
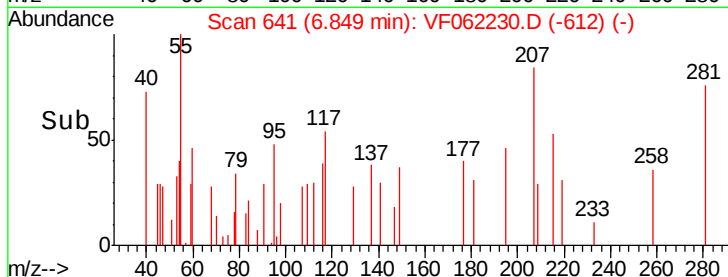
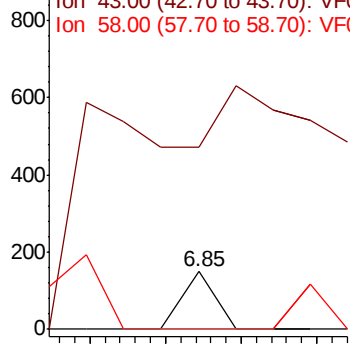
#49
1,4-Dioxane
Concen: 3.085 ug/l
RT: 6.85 min Scan# 641
Delta R.T. -0.01 min
Lab File: VF062230.D
Acq: 19 Apr 2019 17:41

Instrument :
MSVOA_F
ClientSampleId :
OILY-STONES

Tot Ion: 88 Resp: 89
Ion Ratio Lower Upper
88 100
43 220.2 36.9 55.3#
58 0.0 56.8 85.2#

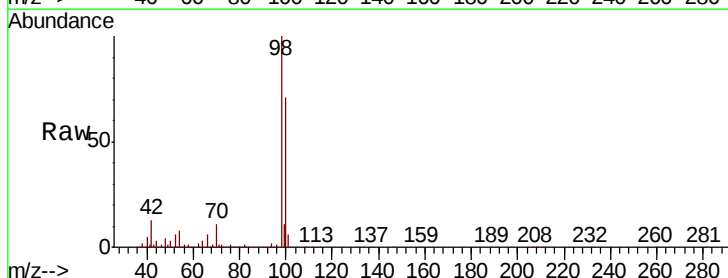


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

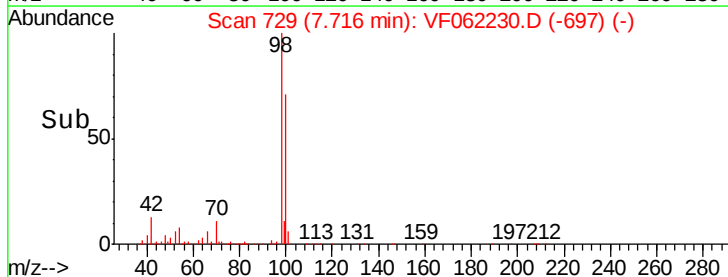
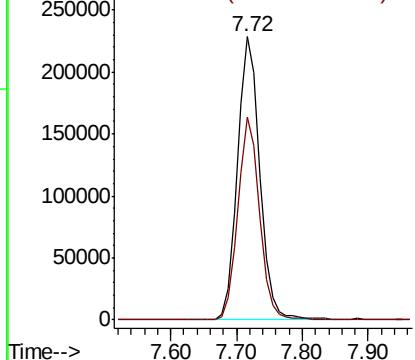


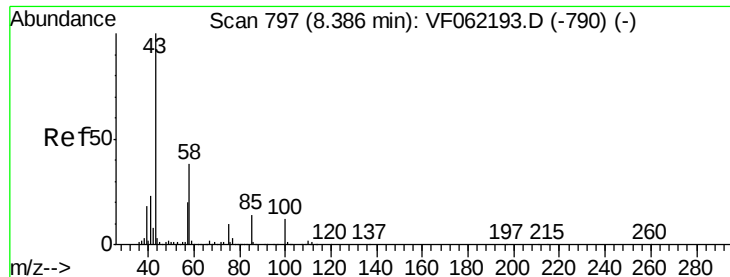
#50
Toluene-d8
Concen: 38.313 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.02 min
Lab File: VF062230.D
Acq: 19 Apr 2019 17:41

Tgt Ion: 98 Resp: 545644
Ion Ratio Lower Upper
98 100
100 69.9 56.2 84.2



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 1.180 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.02 min

Lab File: VF062230.D

Acq: 19 Apr 2019 17:41

Instrument :

MSVOA_F

ClientSampleId :

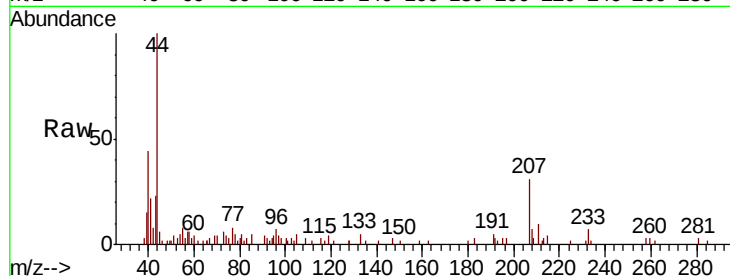
OILY-STONES

Tot Ion: 43 Resp: 3360

Ion Ratio Lower Upper

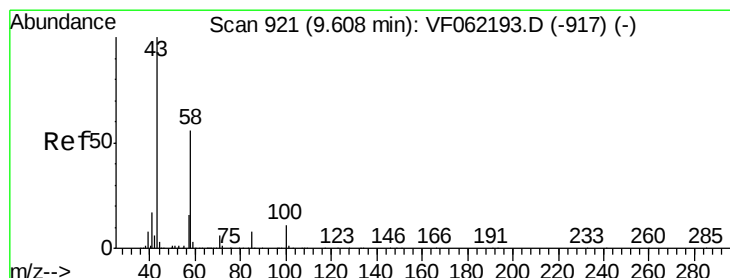
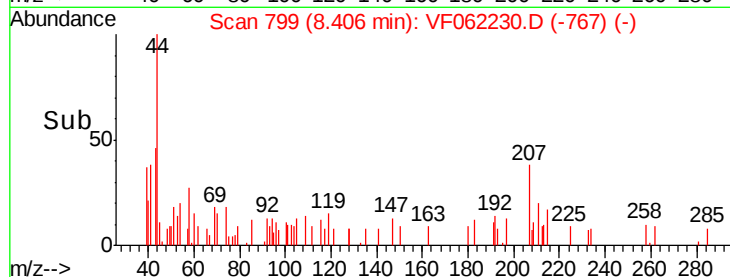
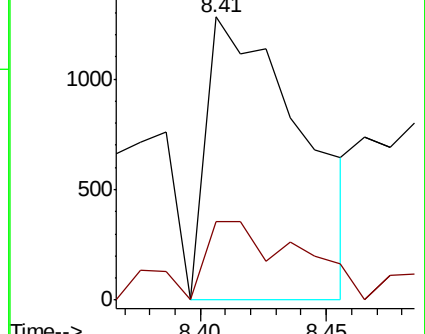
43 100

58 31.3 29.3 43.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#59

2-Hexanone

Concen: 1.973 ug/l

RT: 9.63 min Scan# 923

Delta R.T. 0.02 min

Lab File: VF062230.D

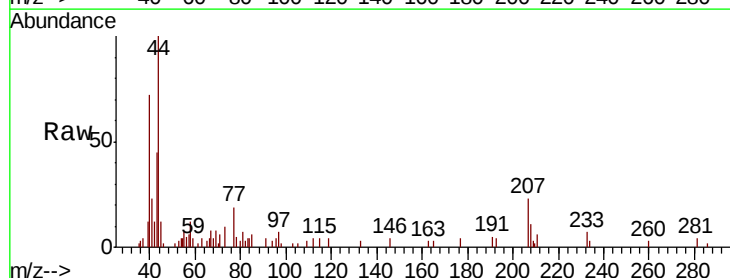
Acq: 19 Apr 2019 17:41

Tgt Ion: 43 Resp: 3260

Ion Ratio Lower Upper

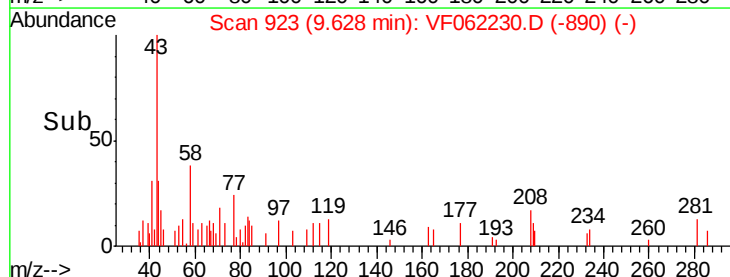
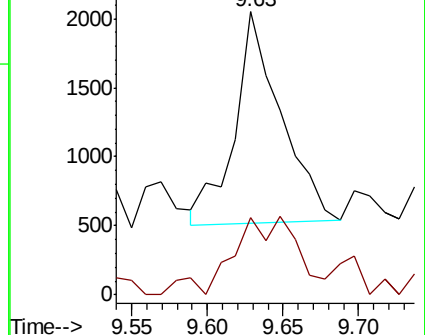
43 100

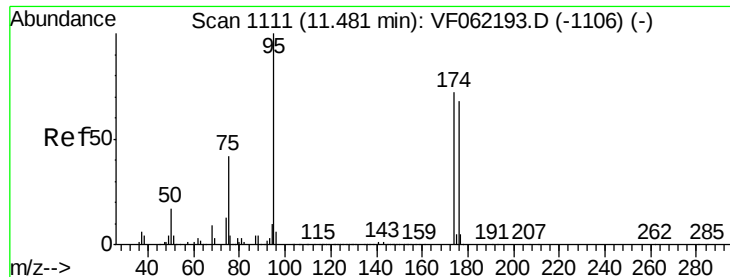
58 53.0 24.6 74.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#62

4-Bromofluorobenzene

Concen: 39.938 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VF062230.D

Acq: 19 Apr 2019 17:41

Instrument :

MSVOA_F

ClientSampleId :

OILY-STONES

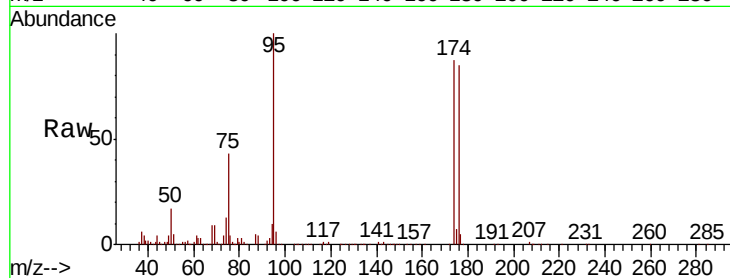
Tot Ion: 95 Resp: 218808

Ion Ratio Lower Upper

95 100

174 88.0 0.0 159.4

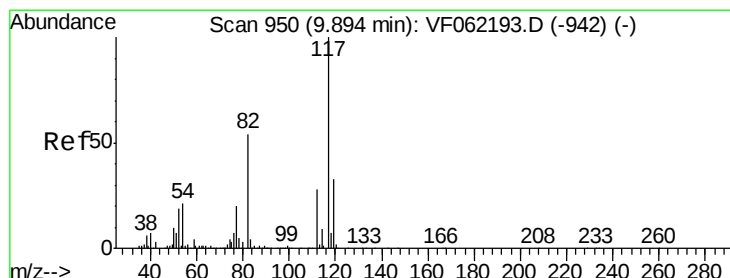
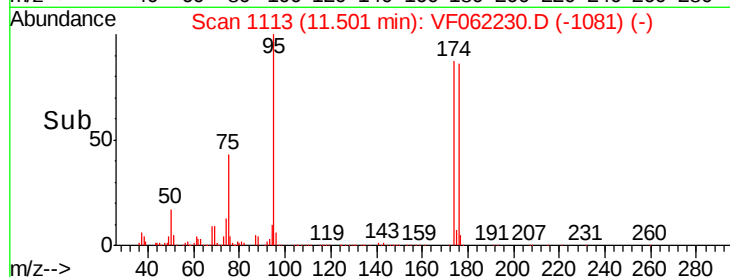
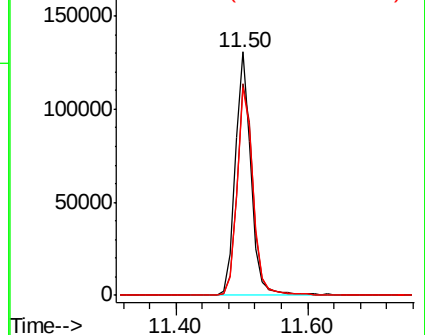
176 87.4 0.0 155.4



Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 952

Delta R.T. 0.02 min

Lab File: VF062230.D

Acq: 19 Apr 2019 17:41

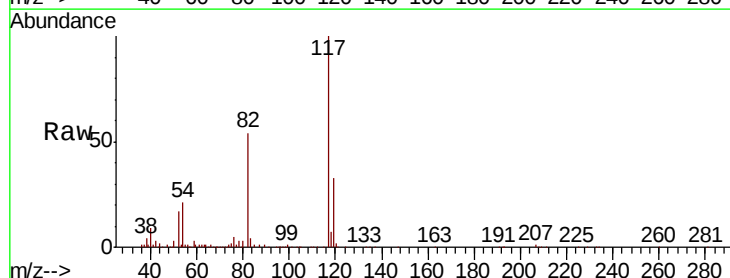
Tgt Ion: 117 Resp: 463114

Ion Ratio Lower Upper

117 100

82 54.0 43.2 64.8

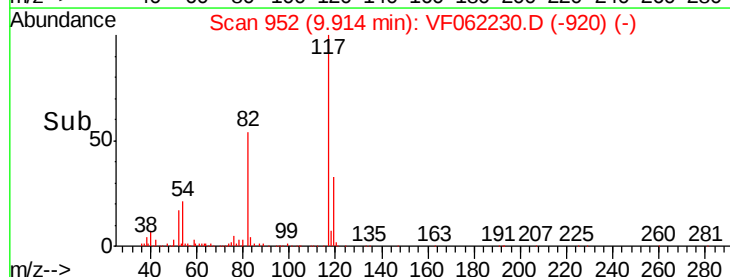
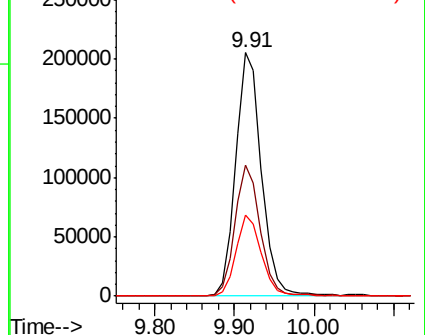
119 33.3 26.2 39.4

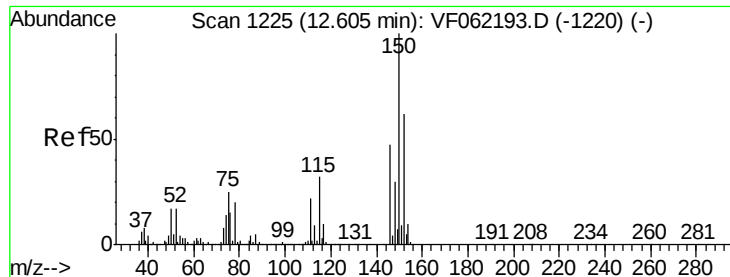


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 118.90 (118.60 to 119.60): V



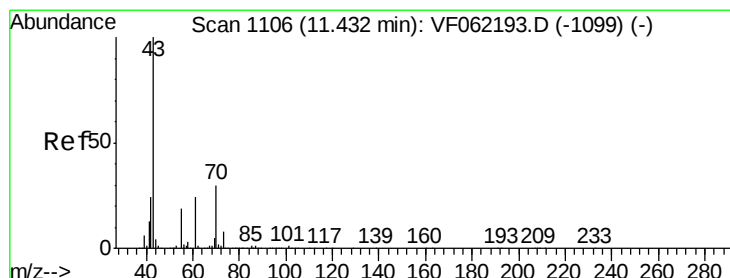
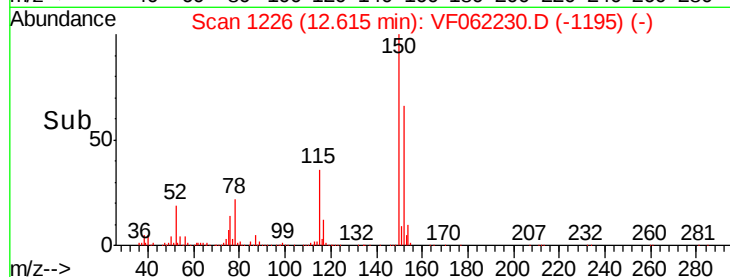
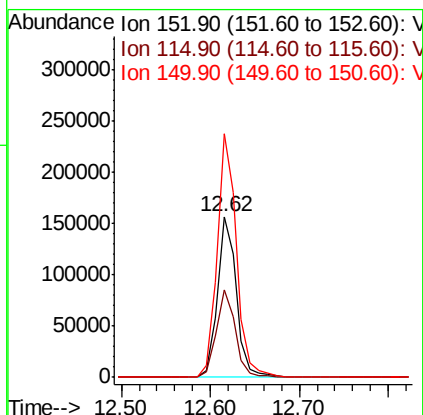
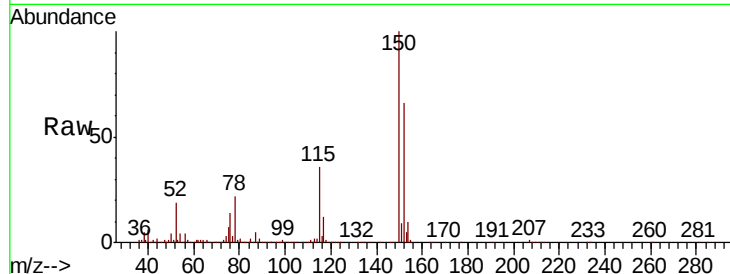


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. 0.01 min
Lab File: VF062230.D
Acq: 19 Apr 2019 17:41

Instrument :
MSVOA_F
ClientSampleId :
OILY-STONES

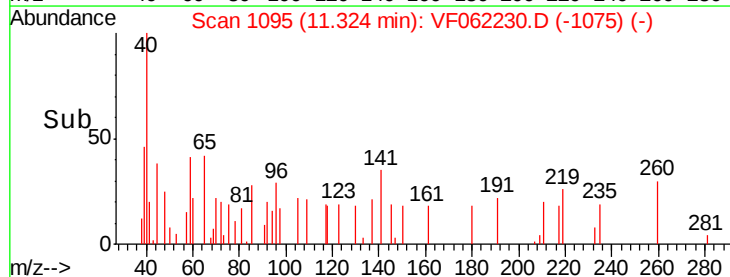
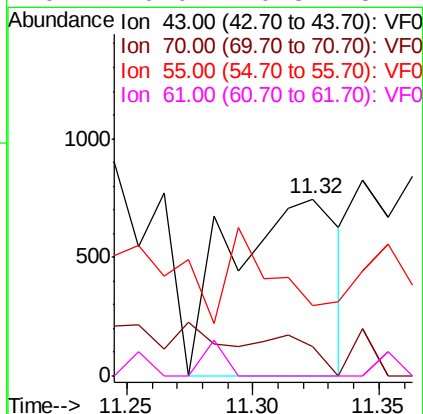
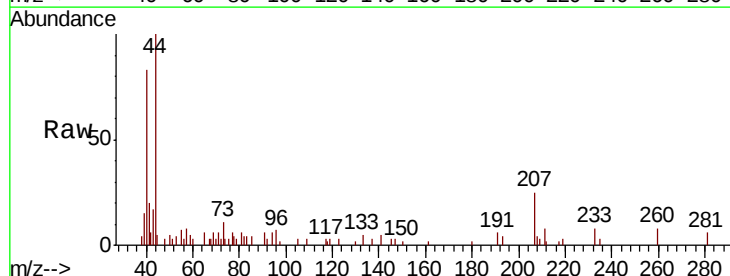
Tot Ion	Ratio	Lower	Upper
152	100		
115	54.3	27.8	83.3
150	154.2	0.0	341.8

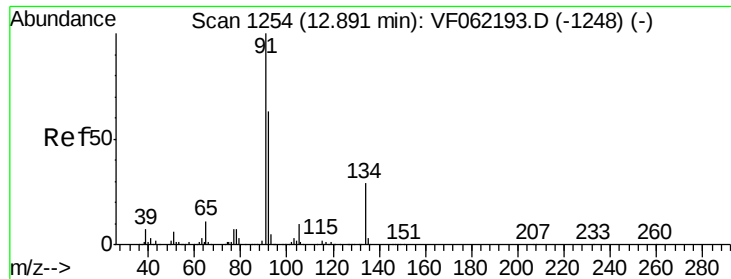


#74

N-amil acetate
Concen: Below Cal
RT: 11.32 min Scan# 1095
Delta R.T. -0.11 min
Lab File: VF062230.D
Acq: 19 Apr 2019 17:41

Tgt Ion	Ratio	Lower	Upper
43	100		
70	0.0	27.0	40.4#
55	0.0	15.7	23.5#
61	0.0	20.8	31.2#





#89

n-Butylbenzene

Concen: Below Cal

RT: 12.91 min Scan# 1256

Delta R.T. 0.02 min

Lab File: VF062230.D

Acq: 19 Apr 2019 17:41

Instrument :

MSVOA_F

ClientSampleId :

OILY-STONES

Tot Ion: 91 Resp: 2238

Ion Ratio Lower Upper

91 100

92 51.3 31.2 93.6

134 31.4 13.1 39.1

