

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF100218\
 Data File : VF060413.D
 Acq On : 2 Oct 2018 20:19
 Operator : VA/AP
 Sample : J5150-02
 Misc : 5.19/5mL/MSVOA F/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SSSI-0926-S-10B

Quant Time: Oct 03 02:37:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 11:42:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	250279	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	430559	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	330512	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	146058	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	207048	52.87	ug/l	0.00
Spiked Amount			Recovery	=	105.74%	
35) Dibromofluoromethane	4.27	113	223175	55.18	ug/l	0.00
Spiked Amount			Recovery	=	110.36%	
50) Toluene-d8	7.69	98	435374	43.71	ug/l	0.00
Spiked Amount			Recovery	=	87.42%	
62) 4-Bromofluorobenzene	11.49	95	168944	37.14	ug/l	0.00
Spiked Amount			Recovery	=	74.28%	

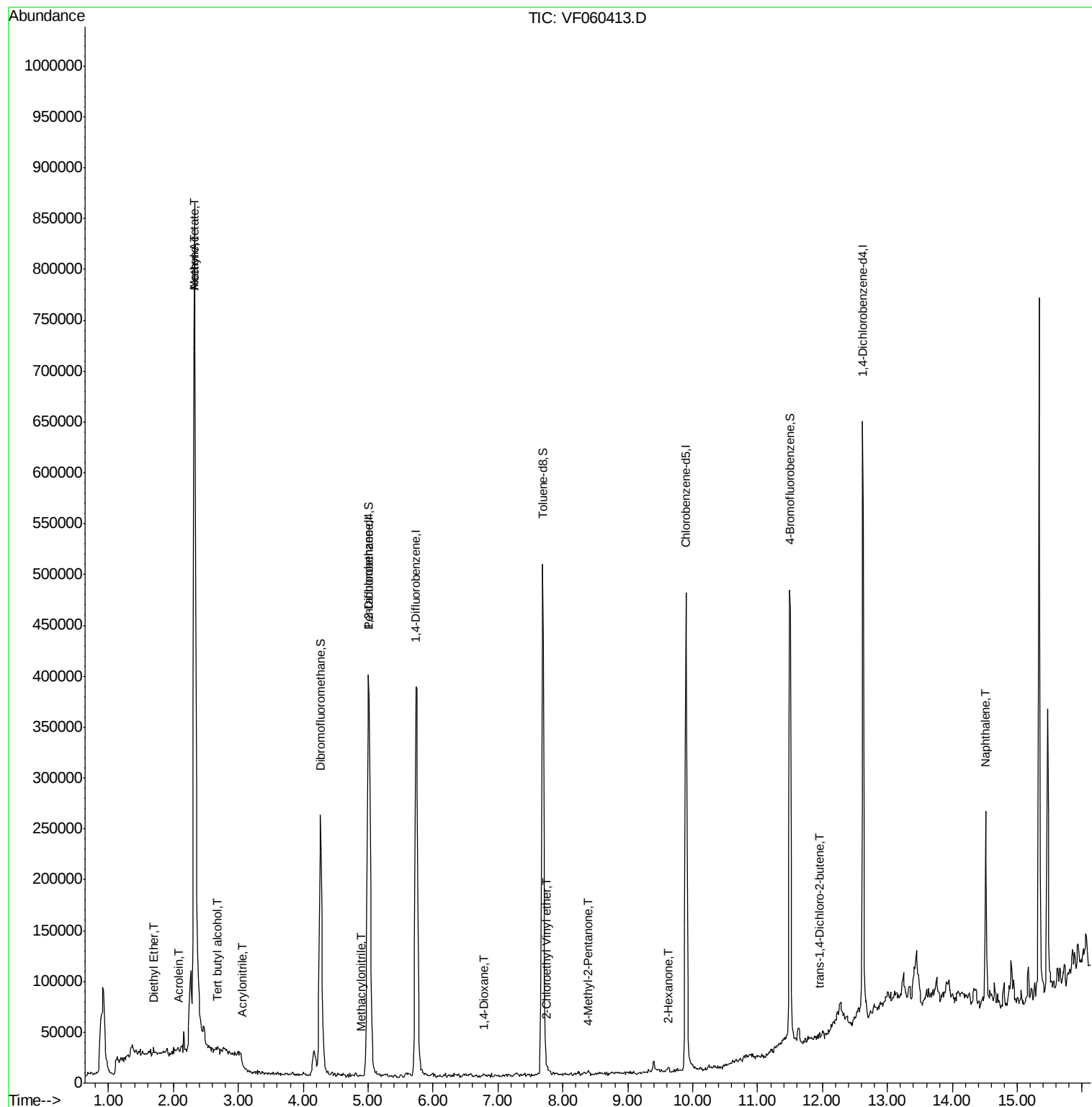
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	252	Below Cal	#	1
8) Diethyl Ether	1.70	74	1512	1.345	ug/l	92
11) Tert butyl alcohol	2.67	59	2788	11.769	ug/l #	1
13) Acrolein	2.09	56	387	2.031	ug/l #	31
15) Acrylonitrile	3.06	53	1094	2.695	ug/l #	34
16) Acetone	2.33	43	1572827	2127.802	ug/l #	88
18) Methyl Acetate	2.33	43	1546177	1087.367	ug/l #	57
20) Methylene Chloride	2.27	84	10283	Below Cal		97
41) Methacrylonitrile	4.90	41	1199	1.112	ug/l #	58
49) 1,4-Dioxane	6.78	88	61	4.012	ug/l #	1
51) 4-Methyl-2-Pentanone	8.40	43	2221	1.270	ug/l #	86
58) 2-Chloroethyl Vinyl ether	7.76	63	726	2.757	ug/l	100
59) 2-Hexanone	9.62	43	3810	2.970	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.96	75	936	1.368	ug/l #	42
95) Naphthalene	14.51	128	113665	18.351	ug/l	99

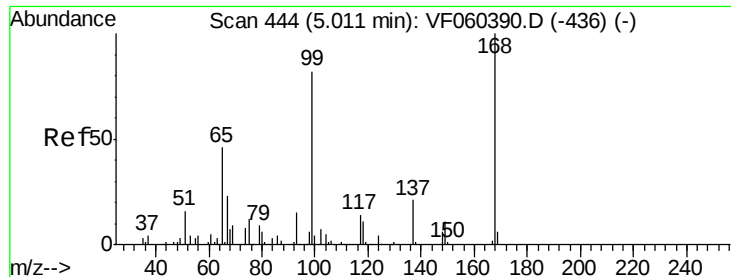
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F100118S.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 11:42:56 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 445

Delta R.T. 0.00 min

Lab File: VF060413.D

Acq: 2 Oct 2018 20:19

Instrument :

MSVOA_F

ClientSampleId :

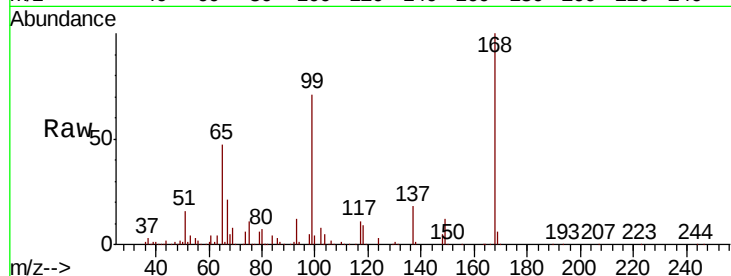
SSSI-0926-S-10B

Tot Ion:168 Resp: 250279

Ion Ratio Lower Upper

168 100

99 70.8 65.3 97.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

80000

60000

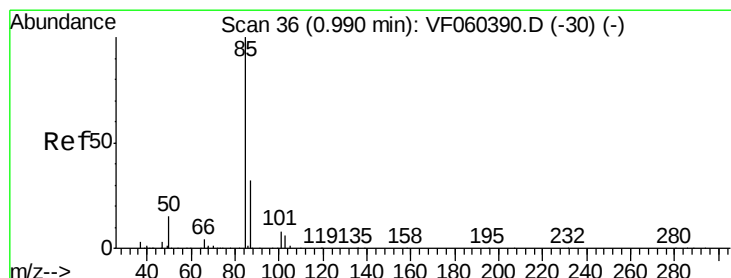
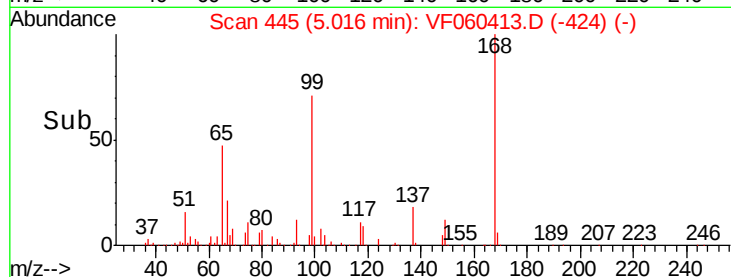
40000

20000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.00 min Scan# 38

Delta R.T. 0.02 min

Lab File: VF060413.D

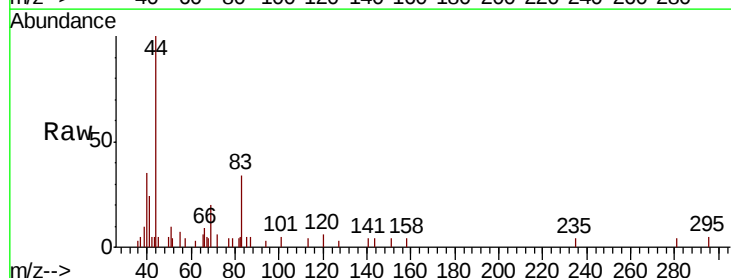
Acq: 2 Oct 2018 20:19

Tgt Ion: 85 Resp: 252

Ion Ratio Lower Upper

85 100

87 95.6 15.9 47.6#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.00

150

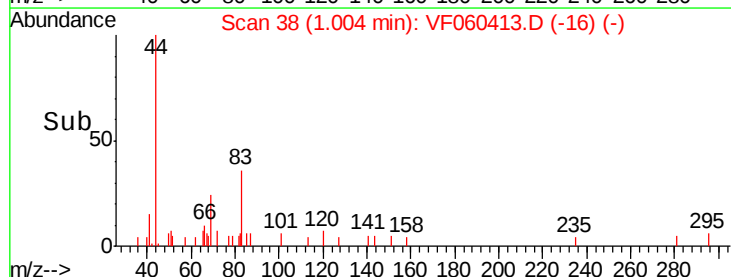
100

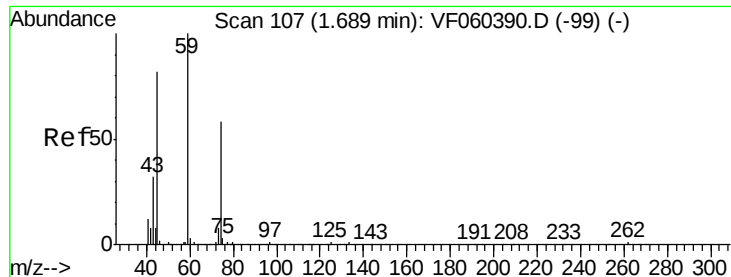
50

0

0.95 1.00

Time-->





#8

Diethyl Ether

Concen: 1.345 ug/l

RT: 1.70 min Scan# 109

Delta R.T. 0.01 min

Lab File: VF060413.D

Acq: 2 Oct 2018 20:19

Instrument :

MSVOA_F

ClientSampleId :

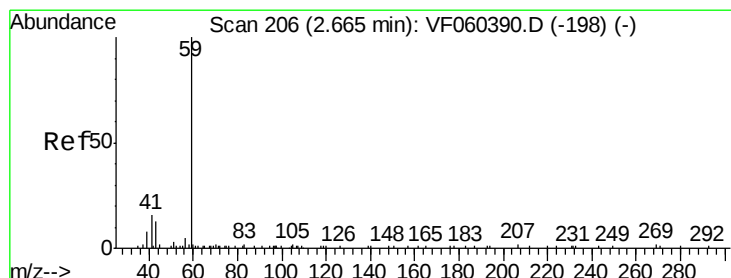
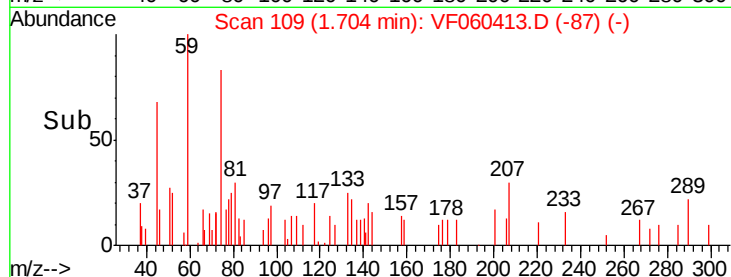
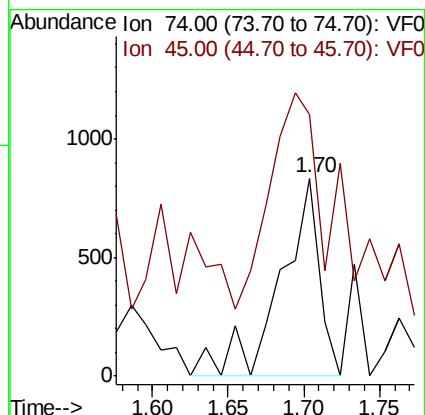
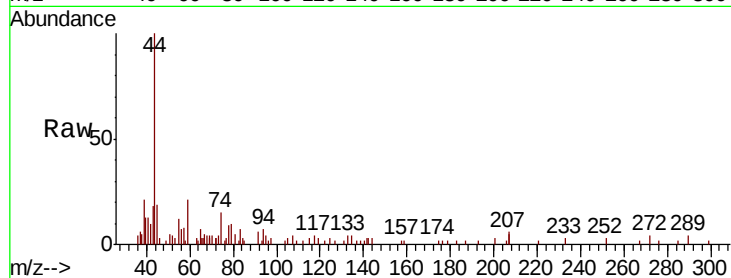
SSSI-0926-S-10B

Tot Ion: 74 Resp: 1512

Ion Ratio Lower Upper

74 100

45 132.1 71.3 213.8



#11

Tert butyl alcohol

Concen: 11.769 ug/l

RT: 2.67 min Scan# 207

Delta R.T. 0.00 min

Lab File: VF060413.D

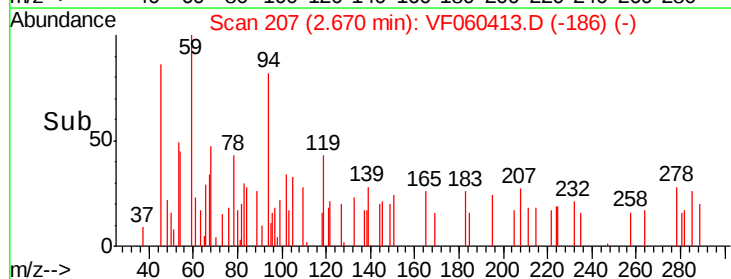
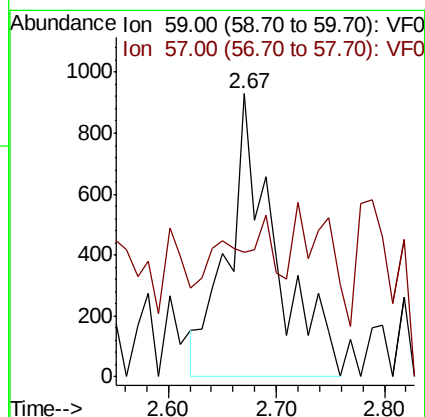
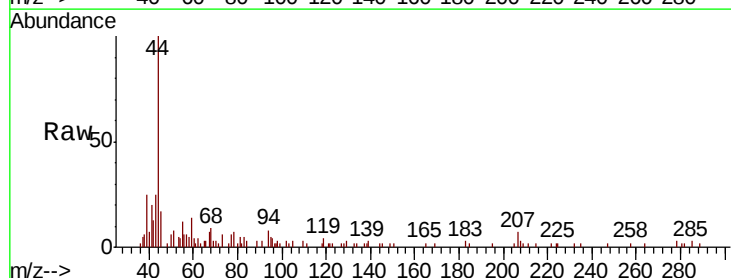
Acq: 2 Oct 2018 20:19

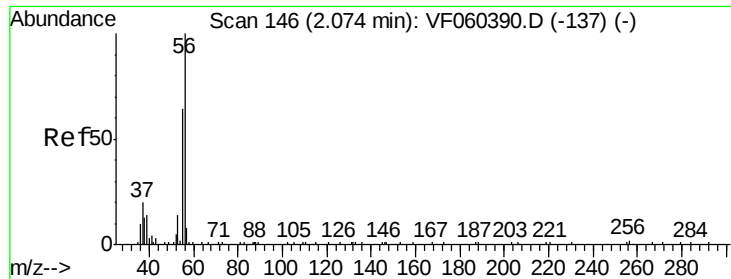
Tgt Ion: 59 Resp: 2788

Ion Ratio Lower Upper

59 100

57 44.1 6.5 9.7#

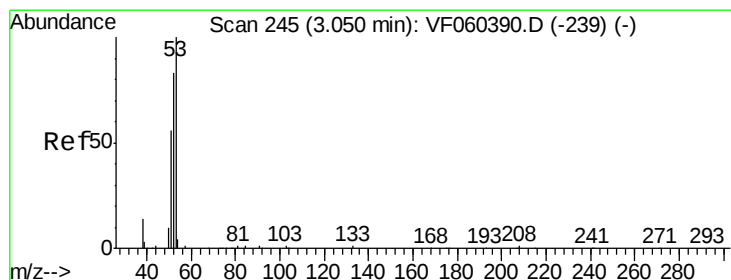
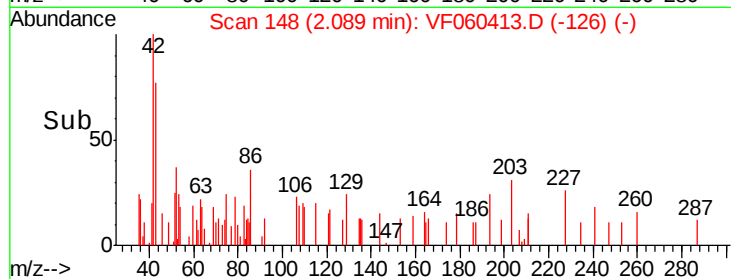
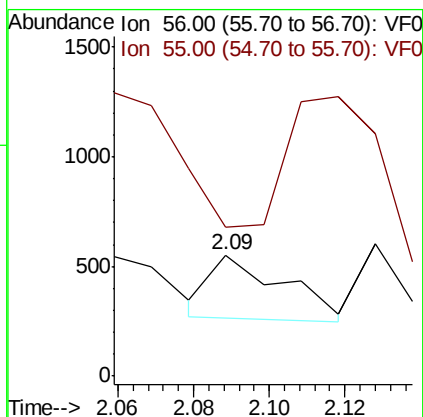
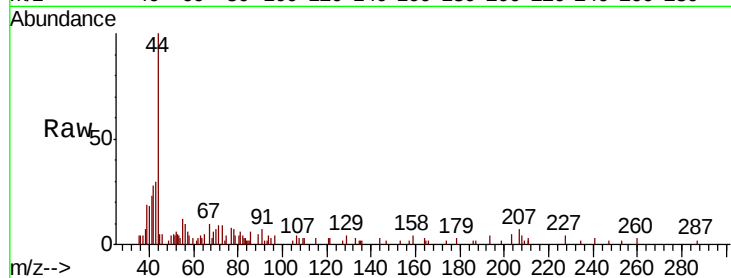




#13
Acrolein
Concen: 2.031 ug/l
RT: 2.09 min Scan# 148
Delta R.T. 0.01 min
Lab File: VF060413.D
Acq: 2 Oct 2018 20:19

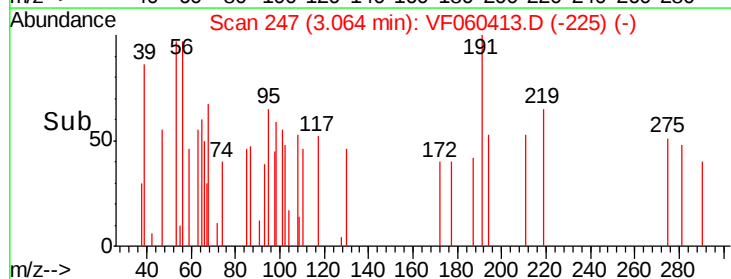
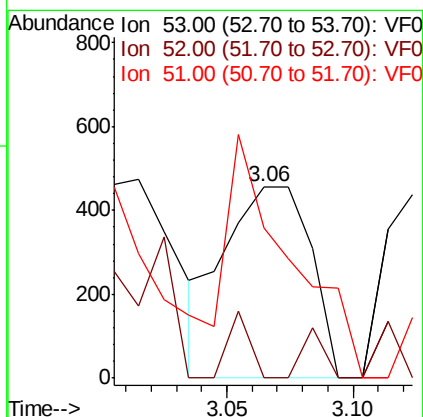
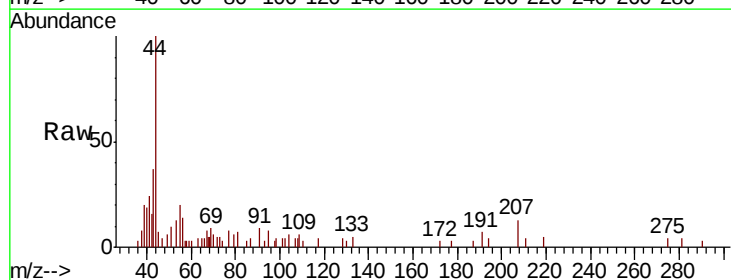
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MSVOA_F
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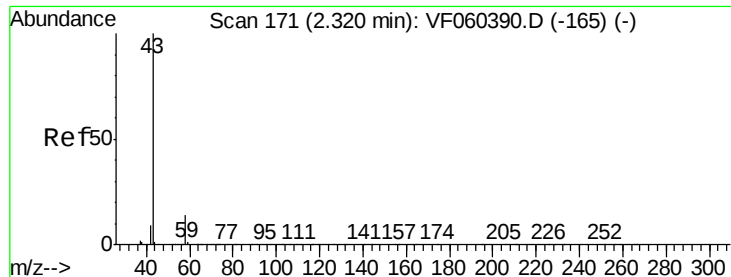
Tot Ion: 56 Resp: 387
Ion Ratio Lower Upper
56 100
55 122.7 53.9 80.9#



#15
Acrylonitrile
Concen: 2.695 ug/l
RT: 3.06 min Scan# 247
Delta R.T. 0.01 min
Lab File: VF060413.D
Acq: 2 Oct 2018 20:19

Tgt Ion: 53 Resp: 1094
Ion Ratio Lower Upper
53 100
52 0.0 66.0 99.0#
51 78.3 45.6 68.4#

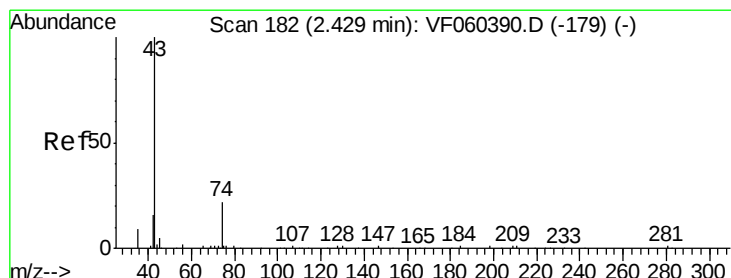
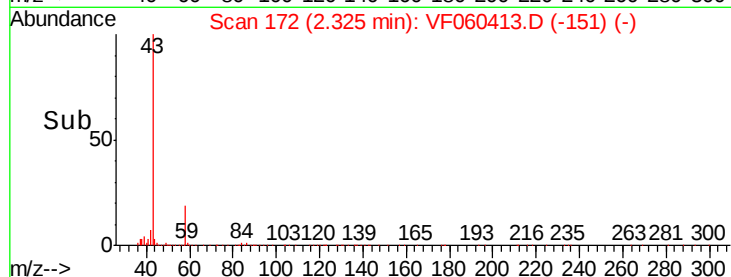
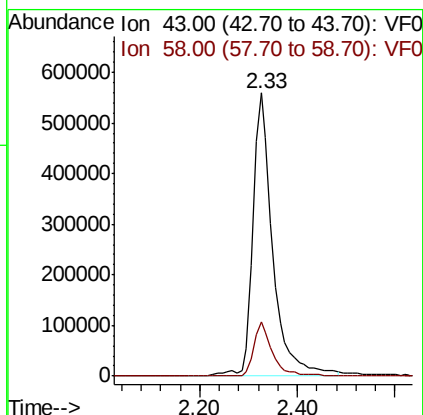
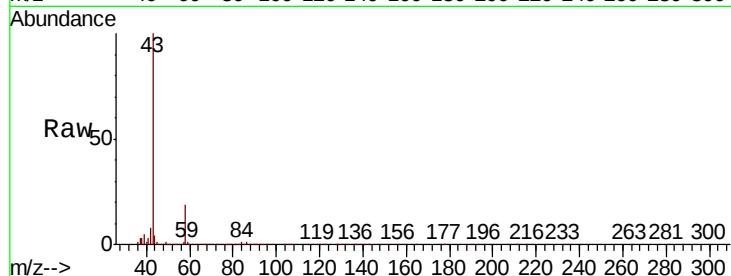




#16
Acetone
Concen: 2127.802 ug/l
RT: 2.33 min Scan# 172
Delta R.T. 0.01 min
Lab File: VF060413.D
Acq: 2 Oct 2018 20:19

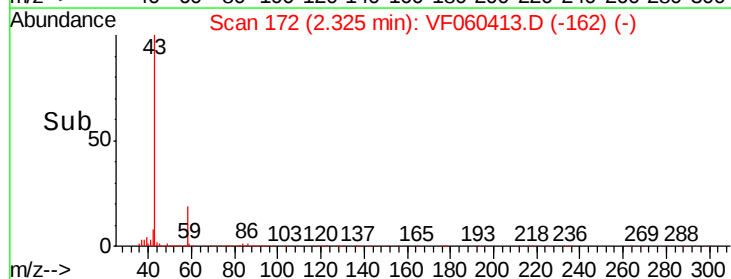
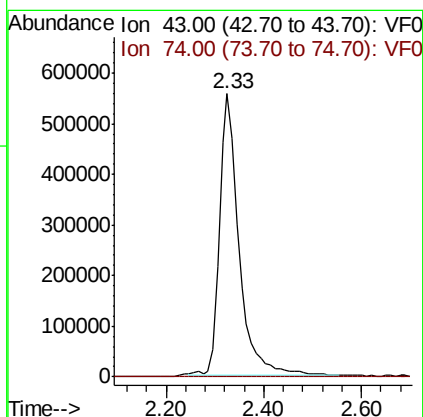
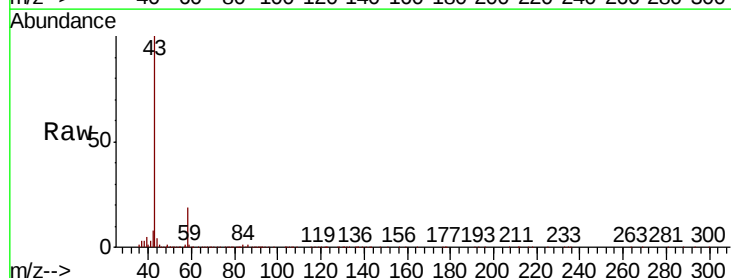
Instrument :
MSVOA_F
ClientSampleId :
SSSI-0926-S-10B

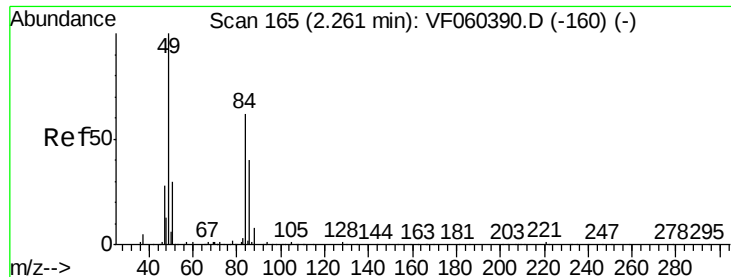
Tot Ion: 43 Resp: 1572827
Ion Ratio Lower Upper
43 100
58 19.0 11.2 16.8#



#18
Methyl Acetate
Concen: 1087.367 ug/l
RT: 2.33 min Scan# 172
Delta R.T. -0.10 min
Lab File: VF060413.D
Acq: 2 Oct 2018 20:19

Tgt Ion: 43 Resp: 1546177
Ion Ratio Lower Upper
43 100
74 0.0 15.8 23.8#

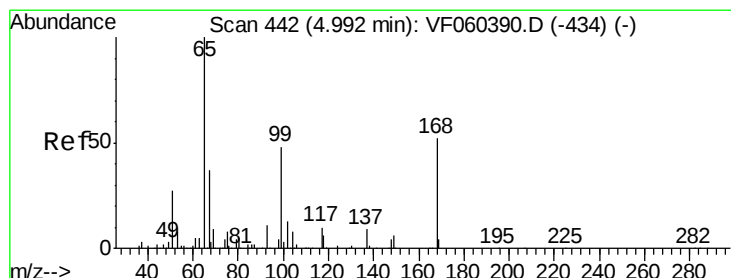
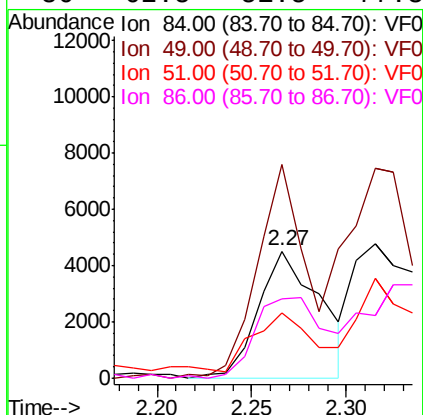
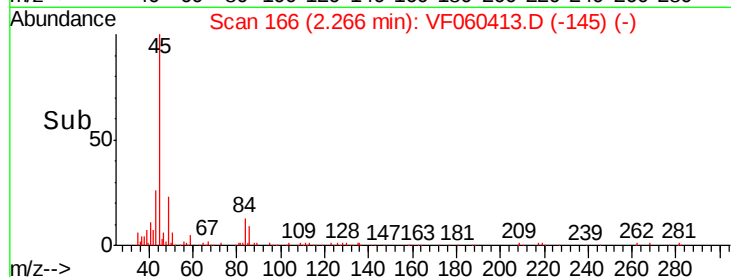
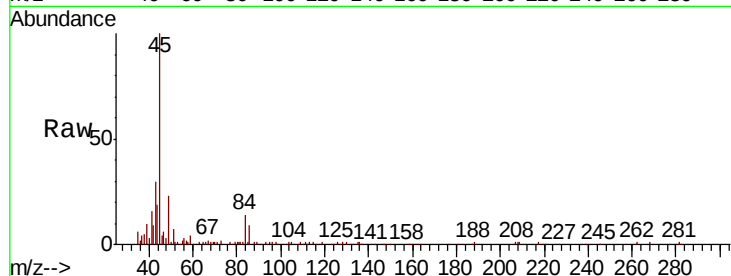




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.27 min Scan# 166
Delta R.T. 0.00 min
Lab File: VF060413.D
Acq: 2 Oct 2018 20:19

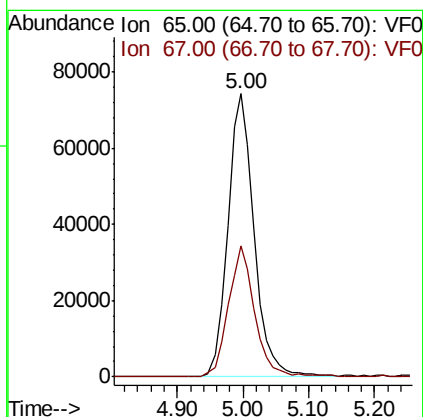
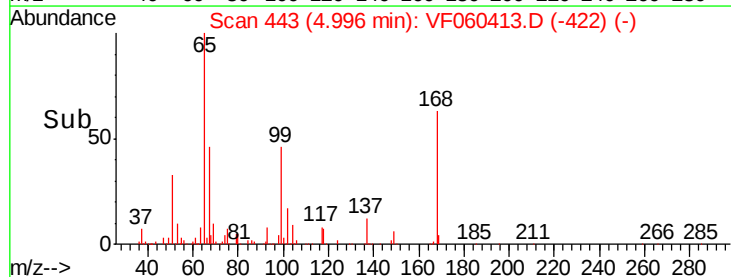
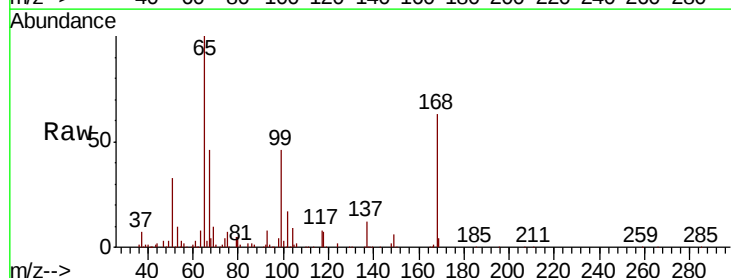
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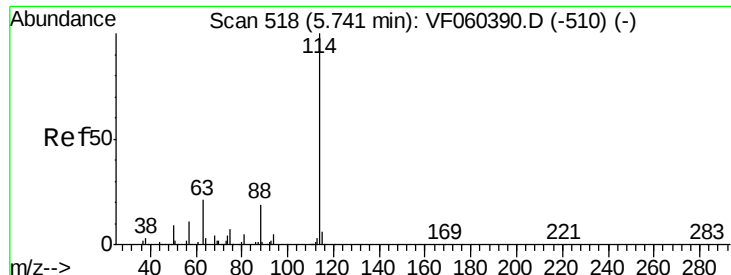
Tot Ion: 84 Resp: 10283
Ion Ratio Lower Upper
84 100
49 168.5 130.2 195.2
51 51.4 41.0 61.6
86 62.5 51.5 77.3



#33
1,2-Dichloroethane-d4
Concen: 52.868 ug/l
RT: 5.00 min Scan# 443
Delta R.T. 0.00 min
Lab File: VF060413.D
Acq: 2 Oct 2018 20:19

Tgt Ion: 65 Resp: 207048
Ion Ratio Lower Upper
65 100
67 46.1 0.0 89.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 519

Delta R.T. 0.00 min

Lab File: VF060413.D

Acq: 2 Oct 2018 20:19

Instrument :

MSVOA_F

ClientSampleId :

SSSI-0926-S-10B

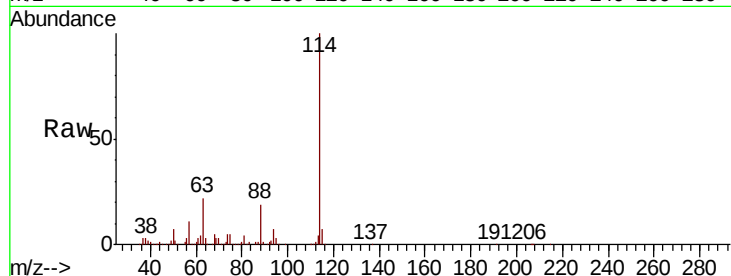
Tot Ion:114 Resp: 430559

Ion Ratio Lower Upper

114 100

63 21.7 0.0 42.2

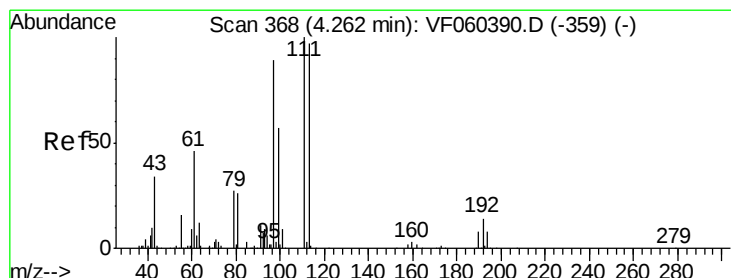
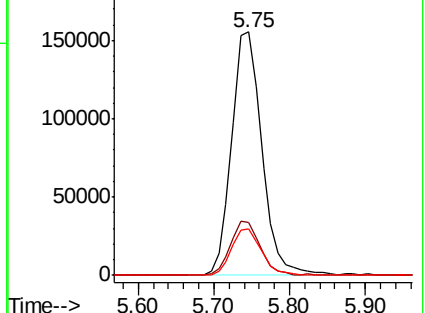
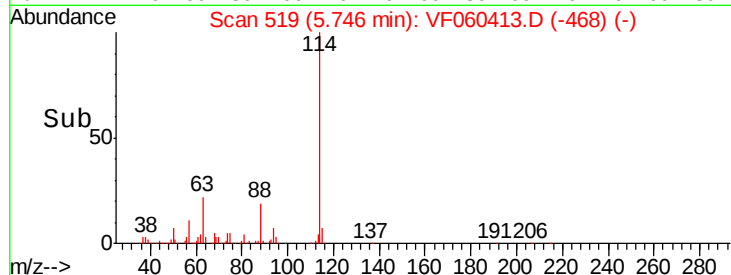
88 19.3 0.0 38.8



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 55.175 ug/l

RT: 4.27 min Scan# 369

Delta R.T. 0.00 min

Lab File: VF060413.D

Acq: 2 Oct 2018 20:19

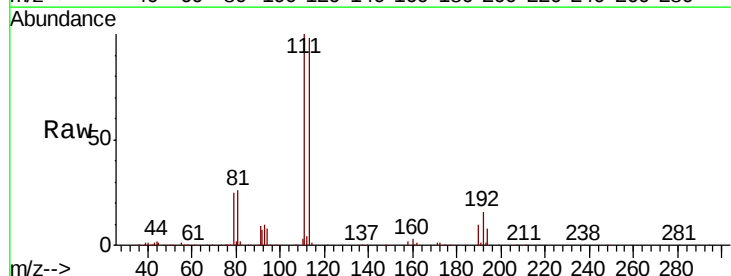
Tgt Ion:113 Resp: 223175

Ion Ratio Lower Upper

113 100

111 101.6 82.3 123.5

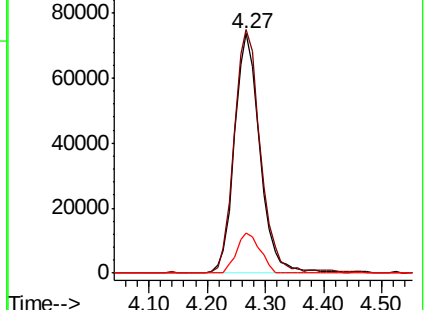
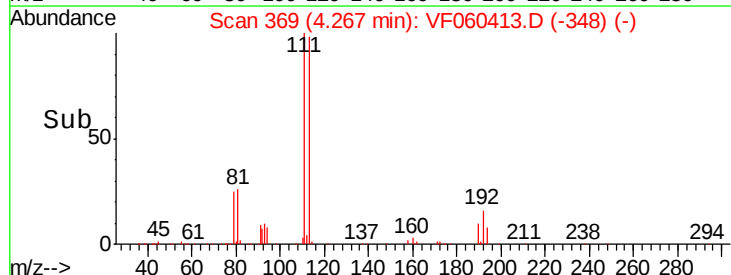
192 16.6 11.8 17.6

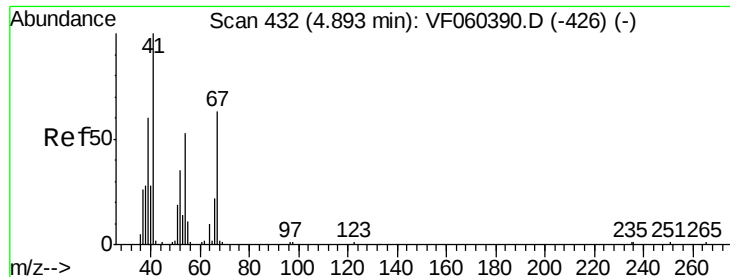


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

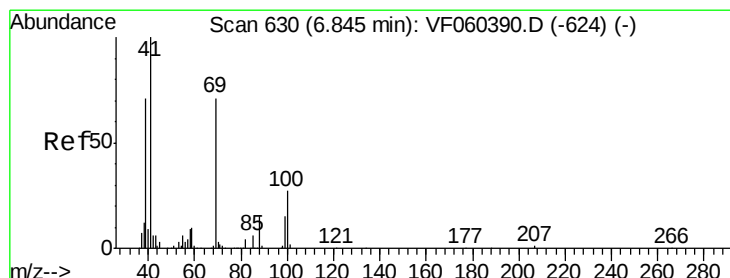
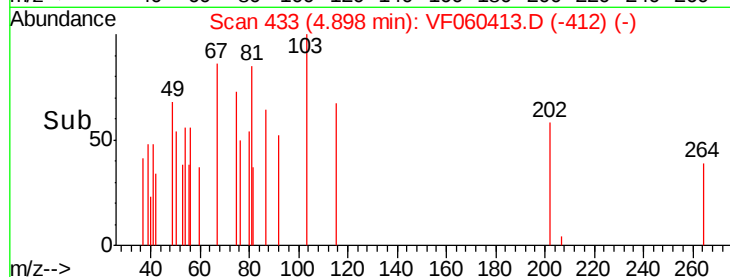
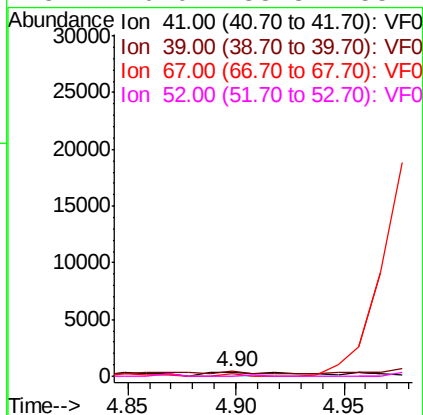
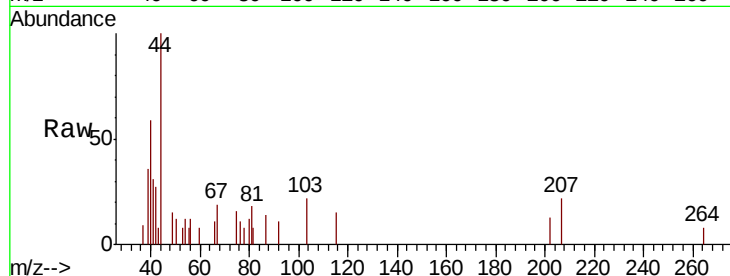




#41
Methacrylonitrile
Concen: 1.112 ug/l
RT: 4.90 min Scan# 433
Delta R.T. 0.00 min
Lab File: VF060413.D
Acq: 2 Oct 2018 20:19

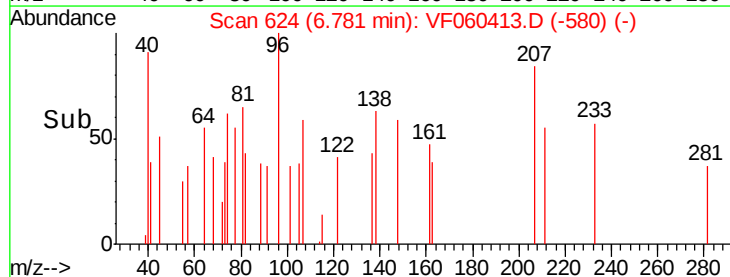
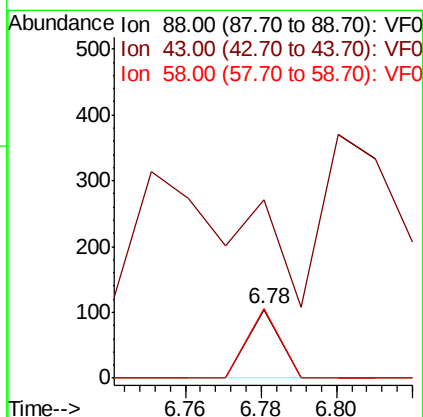
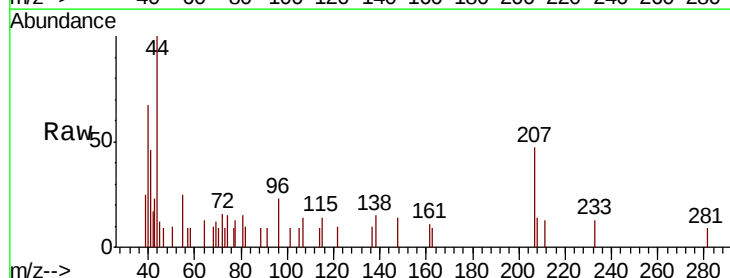
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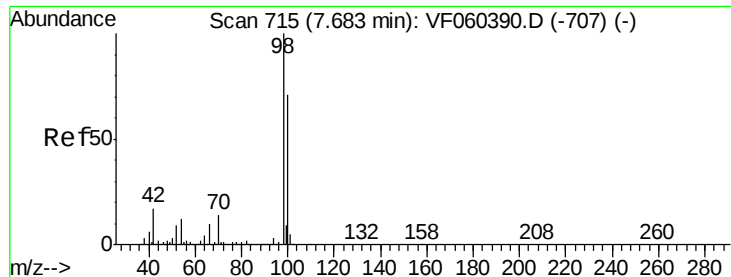
Tot Ion: 41 Resp: 1199
Ion Ratio Lower Upper
41 100
39 113.9 55.0 82.4#
67 59.1 49.6 74.4
52 0.0 38.8 58.2#



#49
1,4-Dioxane
Concen: 4.012 ug/l
RT: 6.78 min Scan# 624
Delta R.T. -0.06 min
Lab File: VF060413.D
Acq: 2 Oct 2018 20:19

Tgt Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
43 260.6 38.3 57.5#
58 101.0 47.4 71.2#





#50

Toluene-d8

Concen: 43.705 ug/l

RT: 7.69 min Scan# 716

Delta R.T. 0.00 min

Lab File: VF060413.D

Acq: 2 Oct 2018 20:19

Instrument :

MSVOA_F

ClientSampleId :

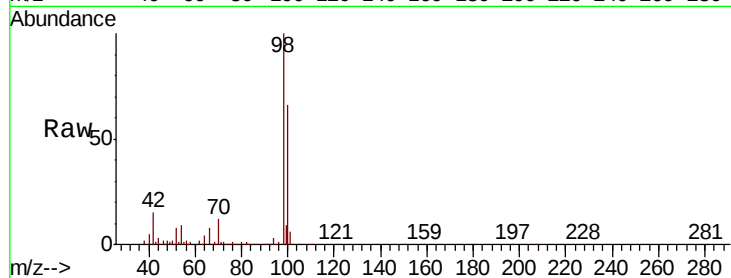
SSSI-0926-S-10B

Tot Ion: 98 Resp: 435374

Ion Ratio Lower Upper

98 100

100 66.0 56.5 84.7



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

7.69

200000

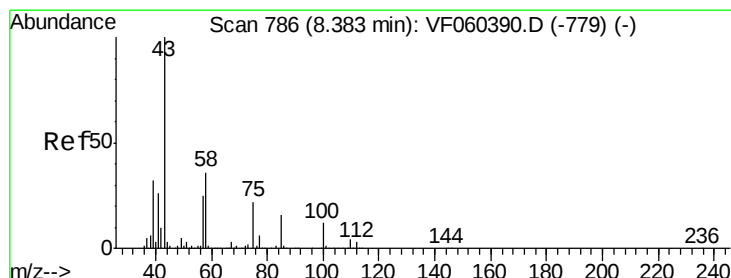
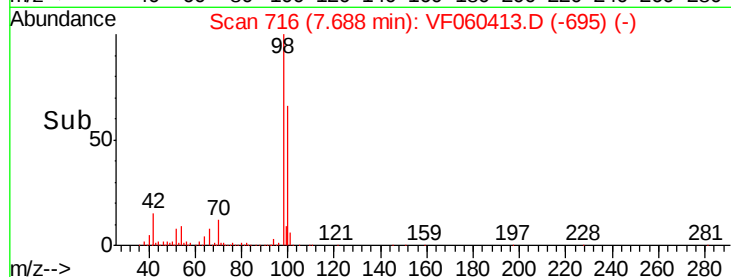
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.270 ug/l

RT: 8.40 min Scan# 788

Delta R.T. 0.01 min

Lab File: VF060413.D

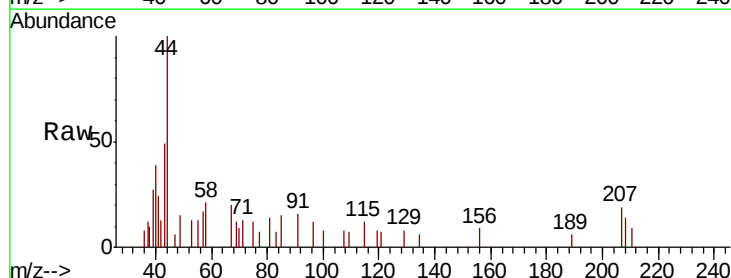
Acq: 2 Oct 2018 20:19

Tgt Ion: 43 Resp: 2221

Ion Ratio Lower Upper

43 100

58 43.6 28.5 42.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.40

800

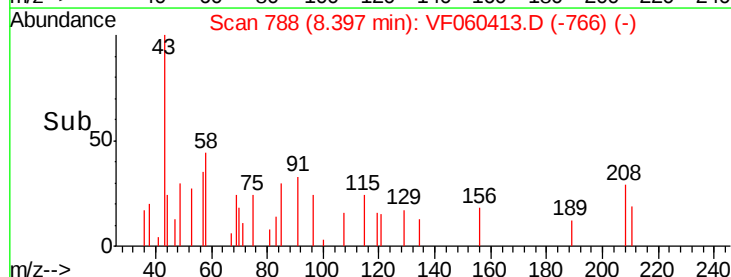
600

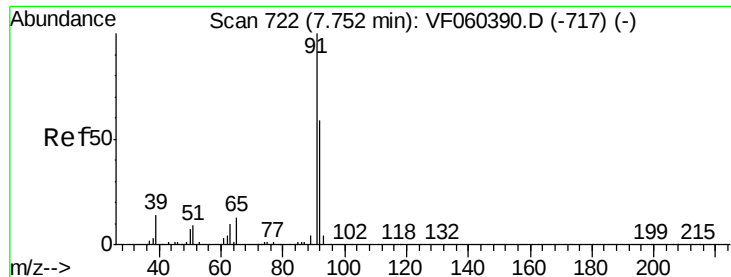
400

200

0

Time-->

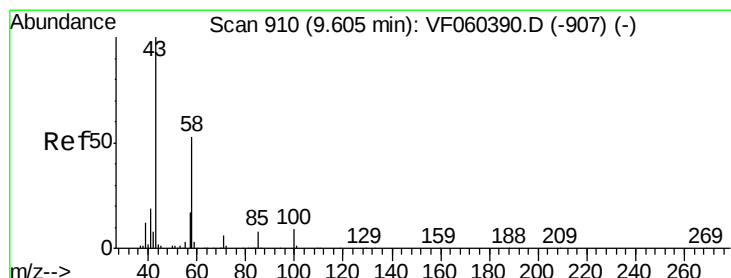
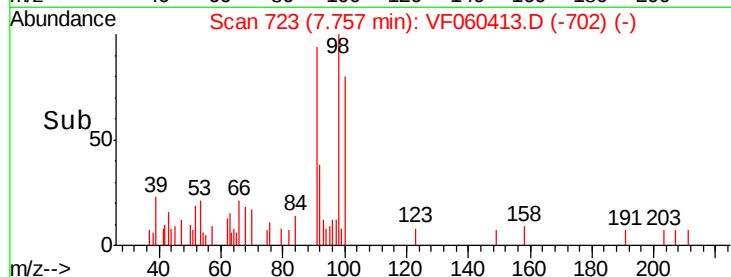
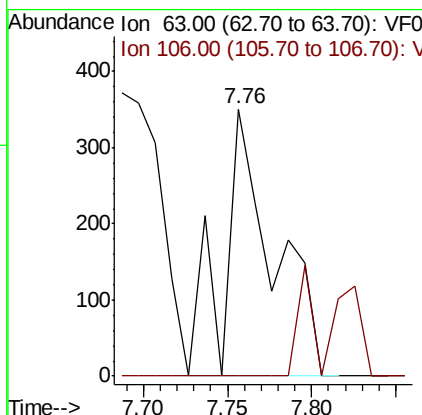
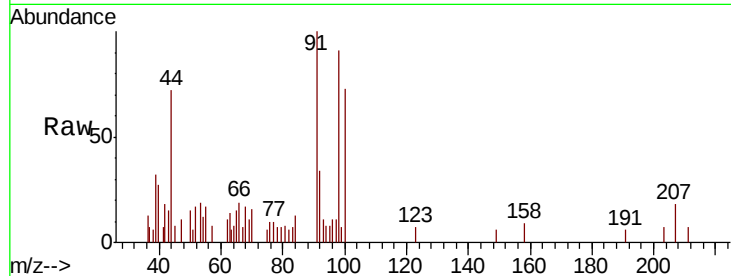




#58
 2-Chloroethyl Vinyl ether
 Concen: 2.757 ug/l
 RT: 7.76 min Scan# 723
 Delta R.T. 0.00 min
 Lab File: VF060413.D
 Acq: 2 Oct 2018 20:19

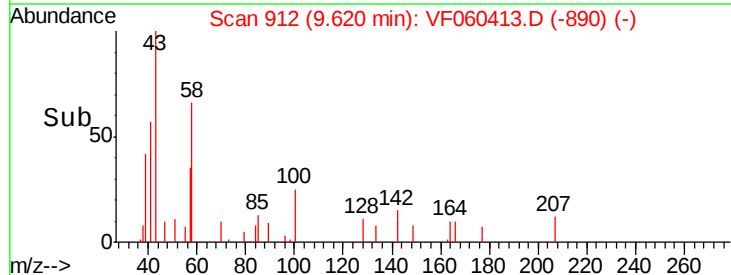
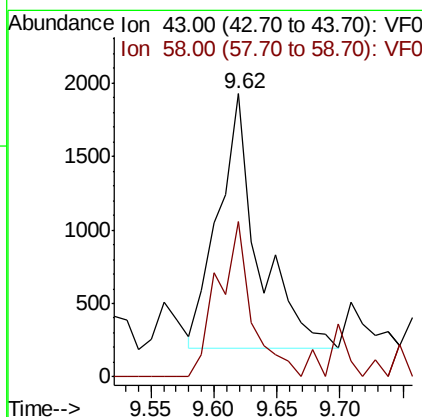
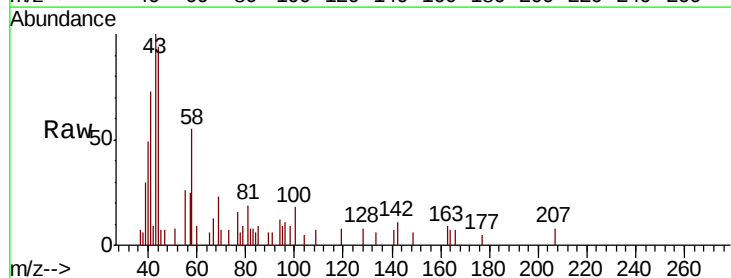
Instrument :
 MSVOA_F
 ClientSampleId :
 SSSI-0926-S-10B

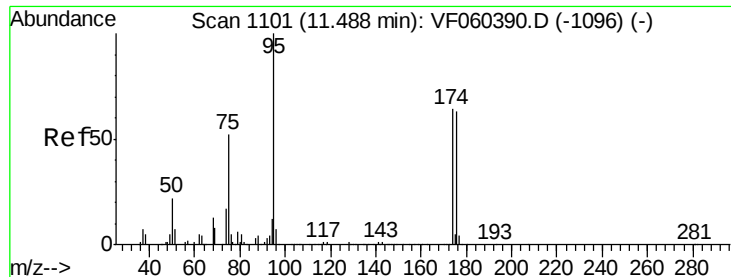
Tot Ion: 63 Resp: 726
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#59
 2-Hexanone
 Concen: 2.970 ug/l
 RT: 9.62 min Scan# 912
 Delta R.T. 0.01 min
 Lab File: VF060413.D
 Acq: 2 Oct 2018 20:19

Tgt Ion: 43 Resp: 3810
 Ion Ratio Lower Upper
 43 100
 58 54.7 25.6 76.6





#62

4-Bromofluorobenzene

Concen: 37.143 ug/l

RT: 11.49 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VF060413.D

Acq: 2 Oct 2018 20:19

Instrument :

MSVOA_F

ClientSampleId :

SSSI-0926-S-10B

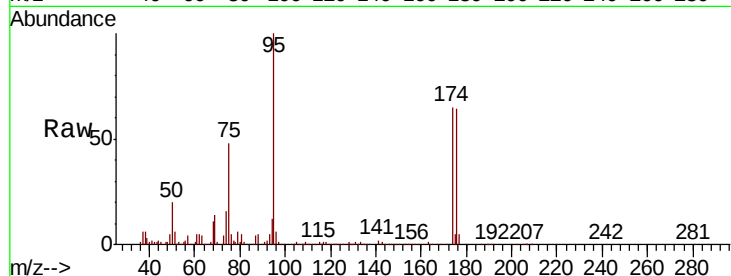
Tot Ion: 95 Resp: 168944

Ion Ratio Lower Upper

95 100

174 65.2 0.0 129.0

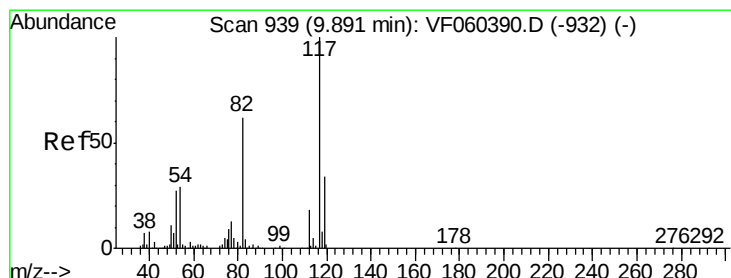
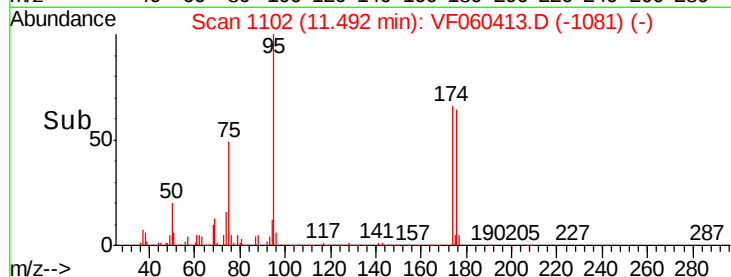
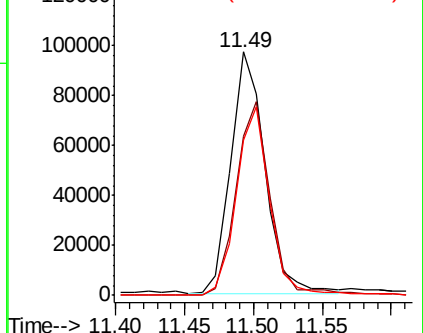
176 63.8 0.0 125.6



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: 9.90 min Scan# 940

Delta R.T. 0.00 min

Lab File: VF060413.D

Acq: 2 Oct 2018 20:19

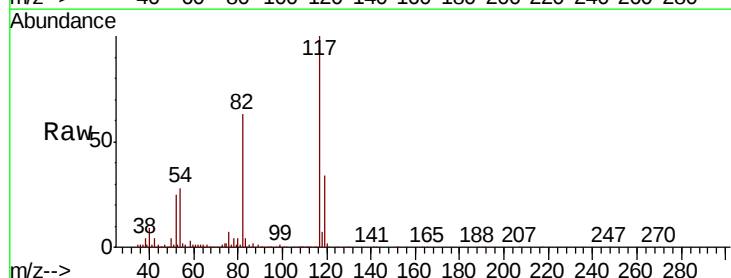
Tgt Ion: 117 Resp: 330512

Ion Ratio Lower Upper

117 100

82 62.9 49.5 74.3

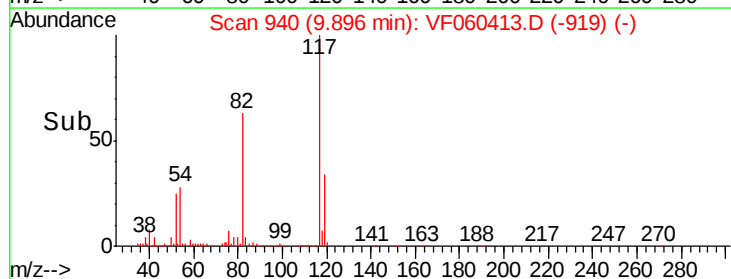
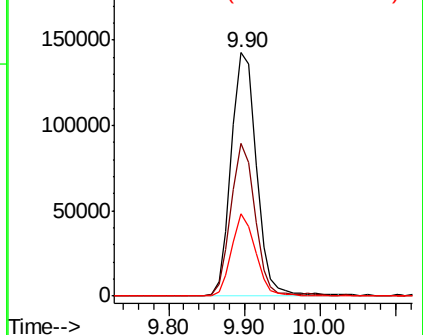
119 33.9 27.0 40.6

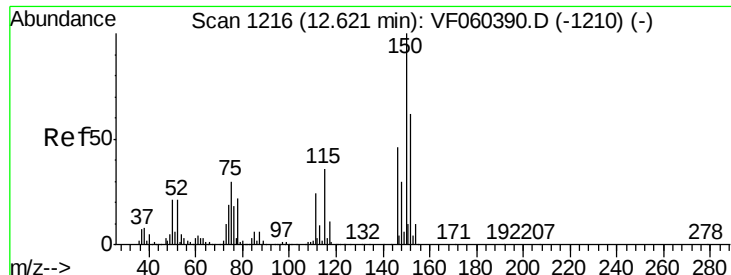


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V

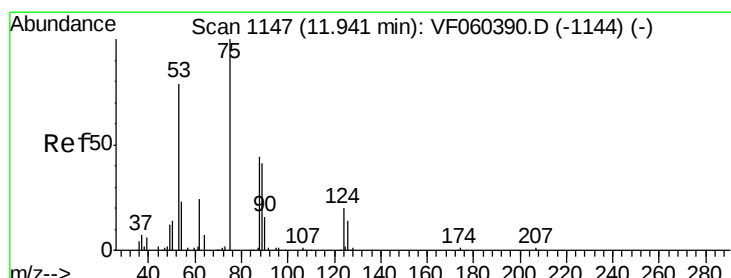
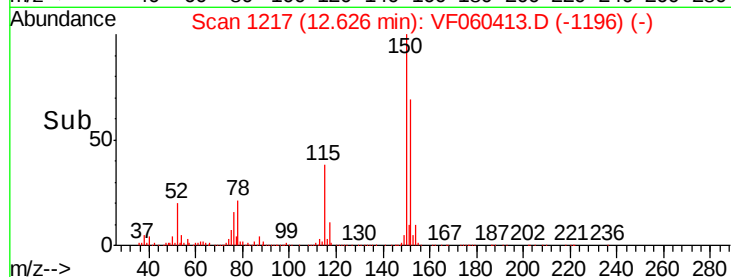
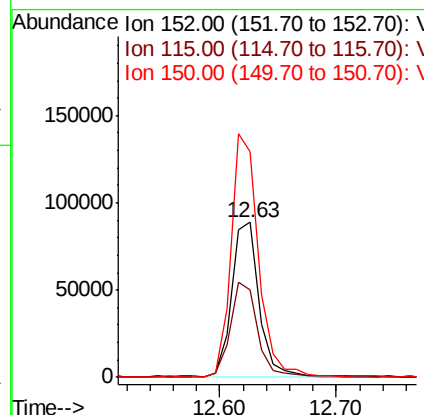
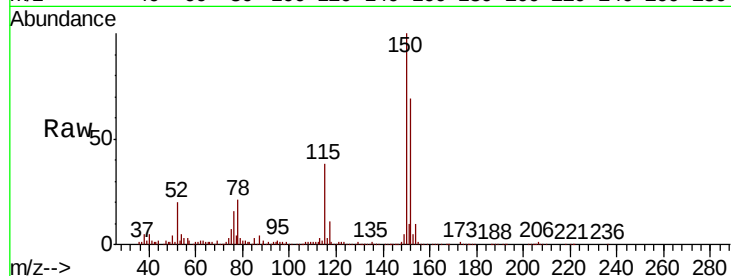




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.63 min Scan# 1217
 Delta R.T. 0.00 min
 Lab File: VF060413.D
 Acq: 2 Oct 2018 20:19

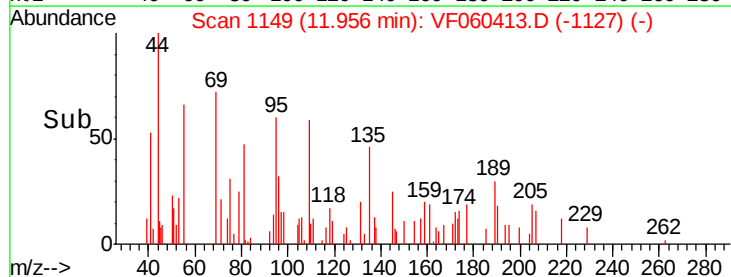
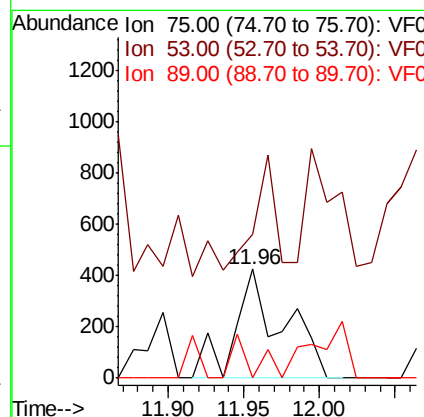
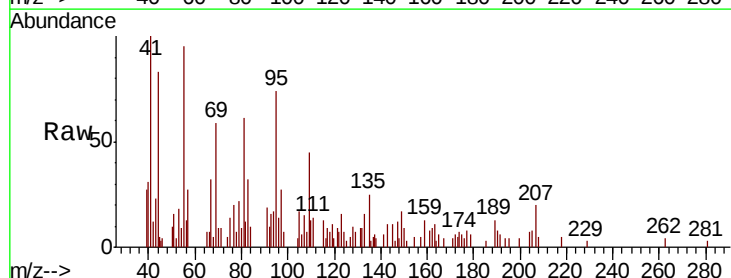
Instrument :
 MSVOA_F
 ClientSampleId :
 SSSI-0926-S-10B

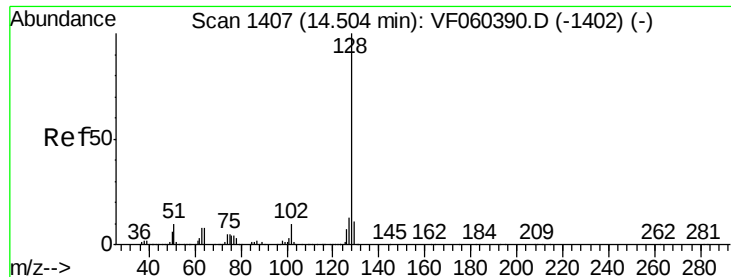
Tot Ion	Ratio	Lower	Upper
152	100		
115	56.1	28.6	85.8
150	145.7	0.0	324.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 1.368 ug/l
 RT: 11.96 min Scan# 1149
 Delta R.T. 0.01 min
 Lab File: VF060413.D
 Acq: 2 Oct 2018 20:19

Tgt Ion	Ratio	Lower	Upper
75	100		
53	131.8	67.8	101.8#
89	0.0	36.7	55.1#





#95
Naphthalene
Concen: 18.351 ug/l
RT: 14.51 min Scan# 1408
Delta R.T. 0.00 min
Lab File: VF060413.D
Acq: 2 Oct 2018 20:19

Instrument :
MSVOA_F
ClientSampleId :
SSSI-0926-S-10B

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.0	15.0
129	10.5	8.7	13.1

