

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF092518\
 Data File : VF060336.D
 Acq On : 25 Sep 2018 20:31
 Operator : VA/AP
 Sample : J4779-09
 Misc : 7.06/5mL/MSVOA_F/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SU-3A-092418

Quant Time: Sep 26 01:47:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:58:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	238537	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	414458	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	257169	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	111052	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	227430	70.81	ug/l	0.00
Spiked Amount 50.000			Recovery =	141.62%		
35) Dibromofluoromethane	4.28	113	211770	57.32	ug/l	0.00
Spiked Amount 50.000			Recovery =	114.64%		
50) Toluene-d8	7.70	98	354325	36.83	ug/l	0.00
Spiked Amount 50.000			Recovery =	73.66%		
62) 4-Bromofluorobenzene	11.50	95	187628	45.11	ug/l	0.00
Spiked Amount 50.000			Recovery =	90.22%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	793	Below Cal	#	40
5) Bromomethane	1.35	94	500	Below Cal	#	3
8) Diethyl Ether	1.69	74	2143	2.087	ug/l	56
11) Tert butyl alcohol	2.65	59	739	Below Cal	#	1
13) Acrolein	2.14	56	1346	Below Cal		91
15) Acrylonitrile	3.06	53	1632	3.598	ug/l #	30
17) Carbon Disulfide	1.85	76	877	Below Cal	#	1
18) Methyl Acetate	2.44	43	2296	1.524	ug/l	94
20) Methylene Chloride	2.27	84	11040	Below Cal		94
25) 2-Butanone	4.49	43	4875	4.004	ug/l #	72
29) Tetrahydrofuran	4.26	42	1298	2.911	ug/l #	41
31) Cyclohexane	3.86	56	8001	1.634	ug/l #	85
39) Methylcyclohexane	5.61	83	29417	5.250	ug/l	91
49) 1,4-Dioxane	7.03	88	70	4.239	ug/l #	1
51) 4-Methyl-2-Pentanone	8.41	43	64833	31.942	ug/l #	43
52) Toluene	7.77	92	9823	1.325	ug/l	82
55) 1,1,2-Trichloroethane	8.52	97	8538	3.793	ug/l #	45
56) Ethyl methacrylate	8.75	69	123536	45.445	ug/l #	84
58) 2-Chloroethyl Vinyl ether	7.77	63	2295	9.550	ug/l	100
59) 2-Hexanone	9.64	43	13470	9.321	ug/l #	55
67) Ethyl Benzene	10.02	91	10836	1.005	ug/l #	85
68) m/p-Xylenes	10.25	106	5805	1.559	ug/l	93
73) Isopropylbenzene	11.22	105	51848	5.201	ug/l	92
74) N-amyl acetate	11.47	43	45641	21.469	ug/l #	17
75) 1,1,2,2-Tetrachloroethane	11.76	83	66043	37.380	ug/l #	40
78) n-propylbenzene	11.68	91	73345	Below Cal		90
81) trans-1,4-Dichloro-2-buten	11.98	75	772	1.155	ug/l #	1
83) tert-Butylbenzene	12.21	119	25083	3.083	ug/l	73
84) 1,2,4-Trimethylbenzene	12.38	105	441393	54.166	ug/l #	32
85) sec-Butylbenzene	12.38	105	442318	46.032	ug/l	90
86) p-Isopropyltoluene	12.53	119	6804	Below Cal	#	19
89) n-Butylbenzene	12.91	91	230145	23.857	ug/l	90
90) Hexachloroethane	12.99	117	19886	8.736	ug/l #	22
92) 1,2-Dibromo-3-Chloropropan	13.70	75	4035	12.164	ug/l #	16

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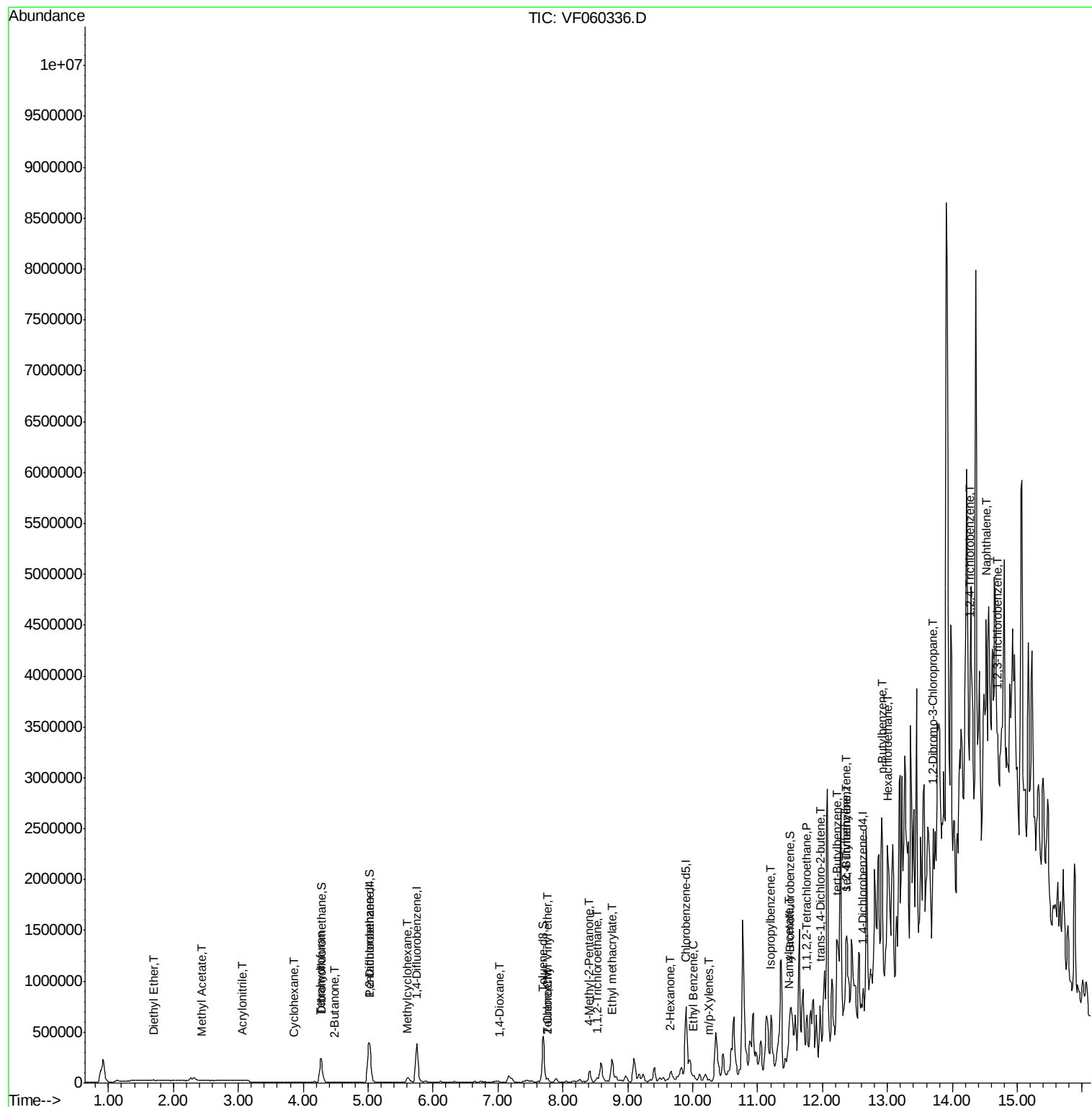
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	5011	1.800	ug/l #	1
95) Naphthalene	14.52	128	158439	32.463	ug/l #	9
96) 1,2,3-Trichlorobenzene	14.71	180	37660	14.641	ug/l #	1

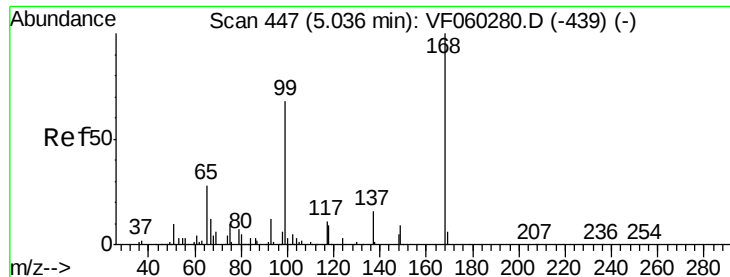
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 446

Delta R.T. -0.01 min

Lab File: VF060336.D

Acq: 25 Sep 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

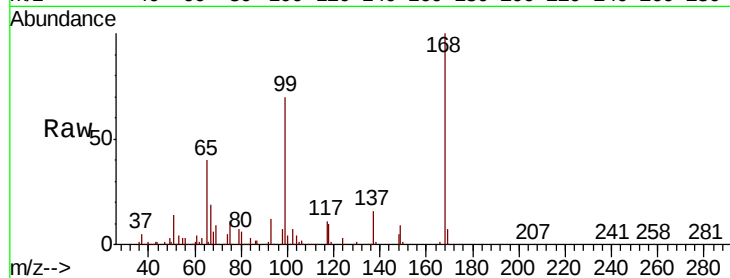
SU-3A-092418

Tgt Ion:168 Resp: 238537

Ion Ratio Lower Upper

168 100

99 70.3 54.8 82.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

80000

60000

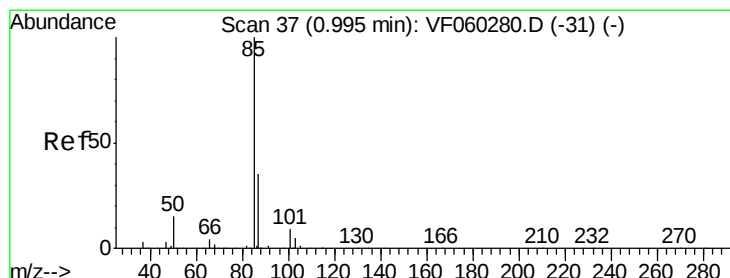
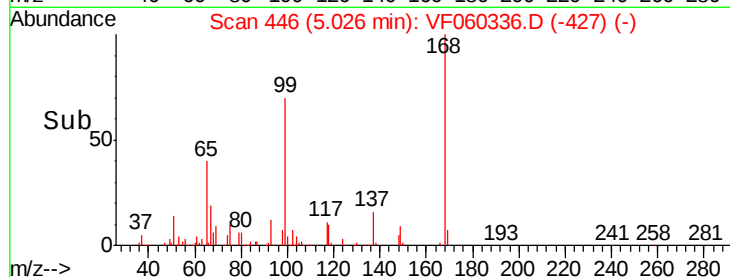
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.98 min Scan# 36

Delta R.T. -0.01 min

Lab File: VF060336.D

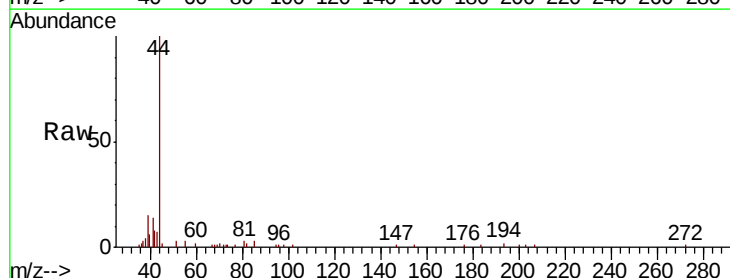
Acq: 25 Sep 2018 20:31

Tgt Ion: 85 Resp: 793

Ion Ratio Lower Upper

85 100

87 0.0 17.3 52.0#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

300

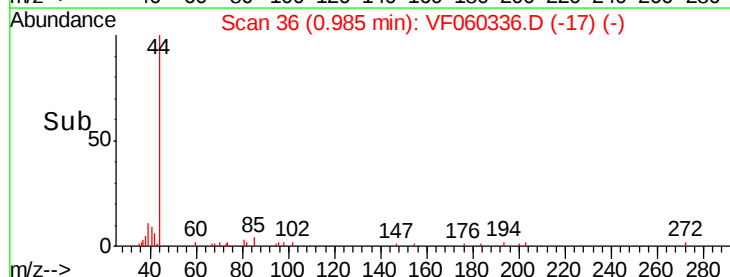
200

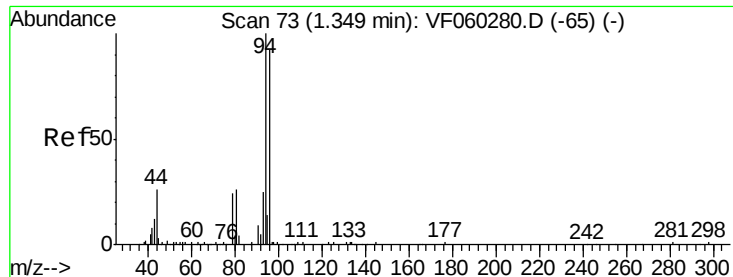
100

0

0.90 0.95 1.00 1.05

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VF060336.D

Acq: 25 Sep 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

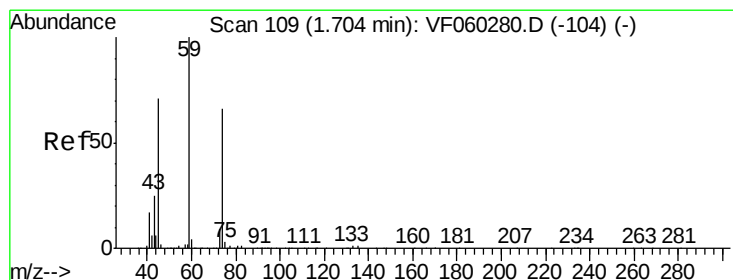
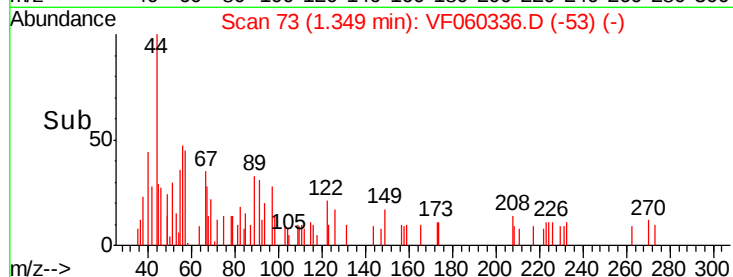
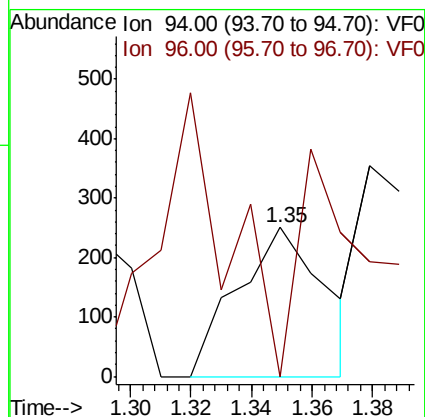
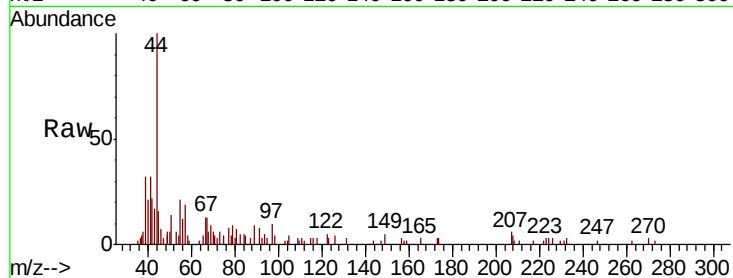
SU-3A-092418

Tgt Ion: 94 Resp: 500

Ion Ratio Lower Upper

94 100

96 0.0 73.9 110.9#



#8

Diethyl Ether

Concen: 2.087 ug/l

RT: 1.69 min Scan# 108

Delta R.T. -0.01 min

Lab File: VF060336.D

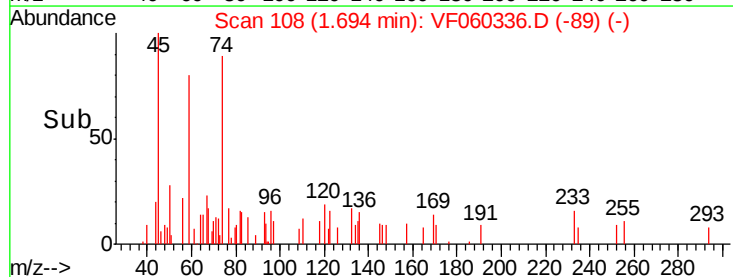
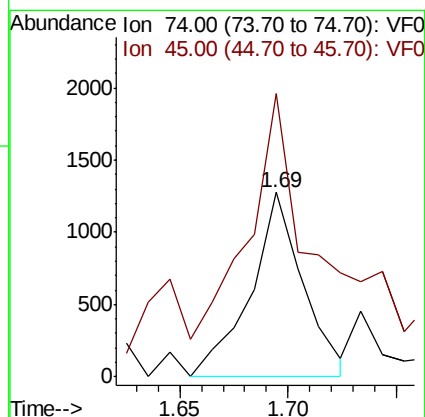
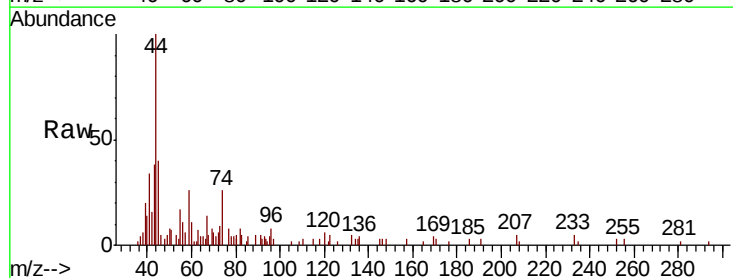
Acq: 25 Sep 2018 20:31

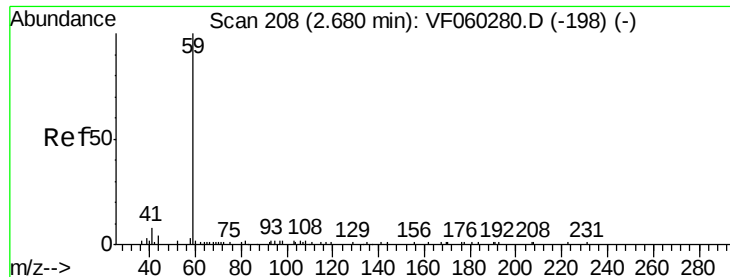
Tgt Ion: 74 Resp: 2143

Ion Ratio Lower Upper

74 100

45 153.3 53.9 161.7

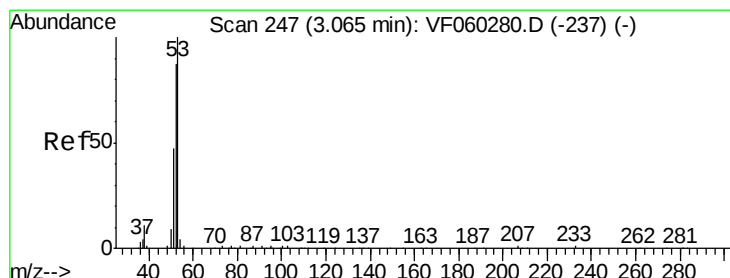
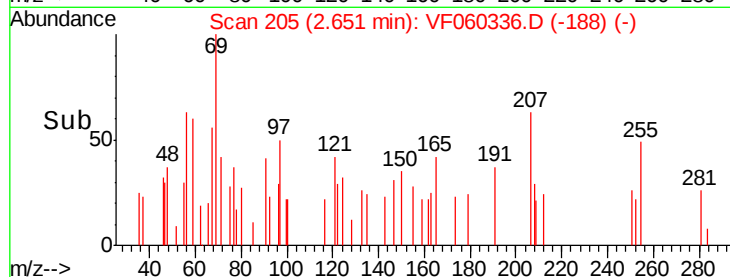
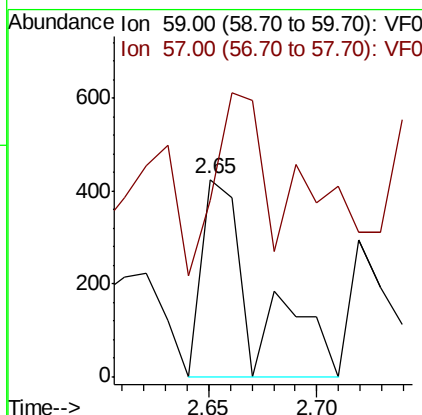
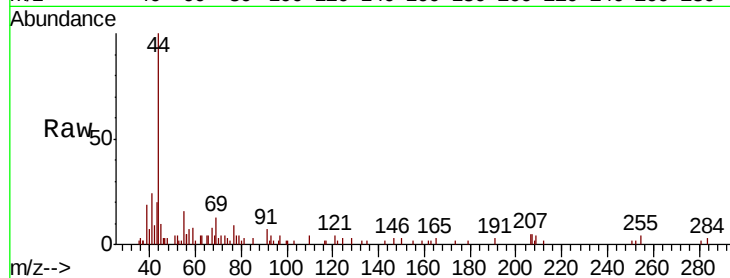




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.65 min Scan# 205
Delta R.T. -0.03 min
Lab File: VF060336.D
Acq: 25 Sep 2018 20:31

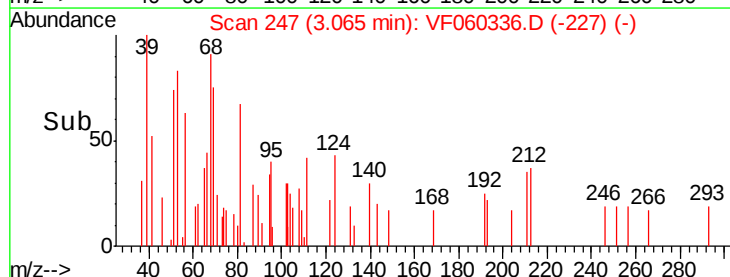
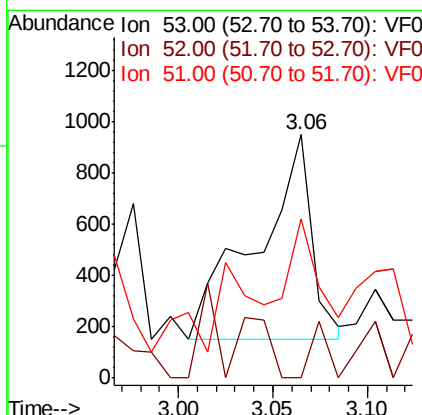
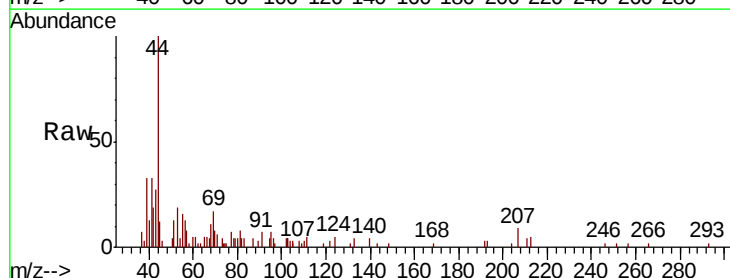
Instrument :
MSVOA_F
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SU-3A-092418

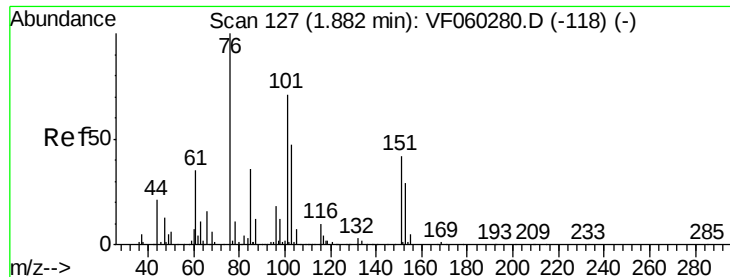
Tgt Ion: 59 Resp: 739
Ion Ratio Lower Upper
59 100
57 89.4 12.4 18.6#



#15
Acrylonitrile
Concen: 3.598 ug/l
RT: 3.06 min Scan# 247
Delta R.T. -0.00 min
Lab File: VF060336.D
Acq: 25 Sep 2018 20:31

Tgt Ion: 53 Resp: 1632
Ion Ratio Lower Upper
53 100
52 0.0 69.5 104.3#
51 65.1 38.1 57.1#





#17

Carbon Disulfide

Concen: Below Cal

RT: 1.85 min Scan# 124

Delta R.T. -0.03 min

Lab File: VF060336.D

Acq: 25 Sep 2018 20:31

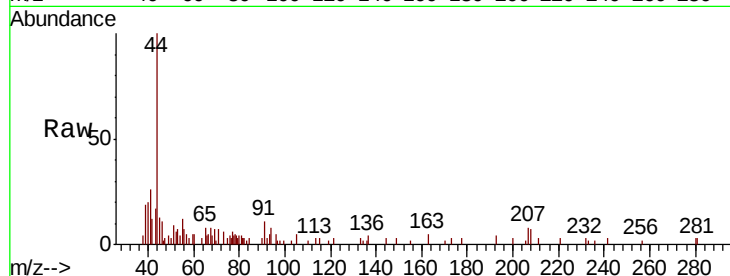
Instrument :
MSVOA_F
ClientSampleId :
SU-3A-092418

Tgt Ion: 76 Resp: 877

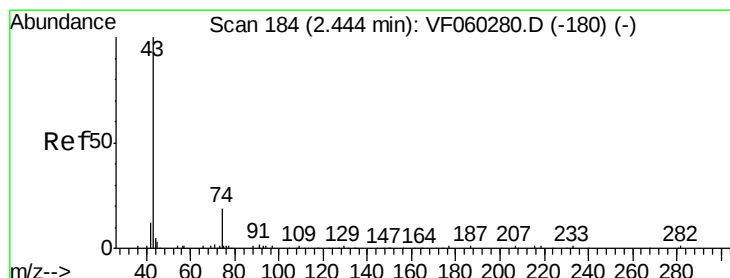
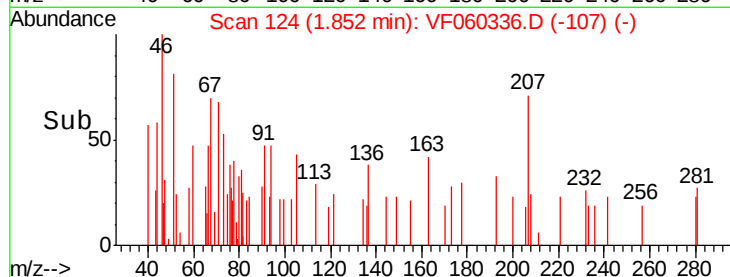
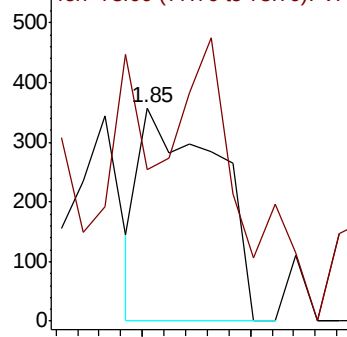
Ion Ratio Lower Upper

76 100

78 71.1 9.4 14.0#



Abundance Ion 76.00 (75.70 to 76.70): VF0
Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 1.524 ug/l

RT: 2.44 min Scan# 184

Delta R.T. -0.00 min

Lab File: VF060336.D

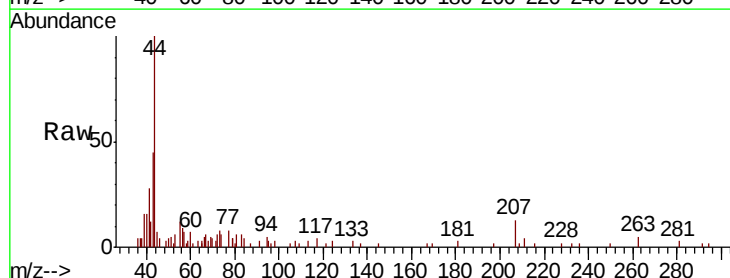
Acq: 25 Sep 2018 20:31

Tgt Ion: 43 Resp: 2296

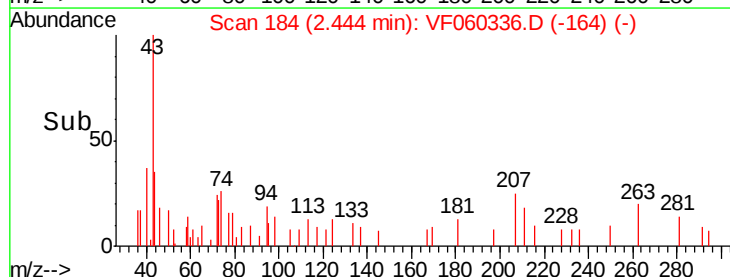
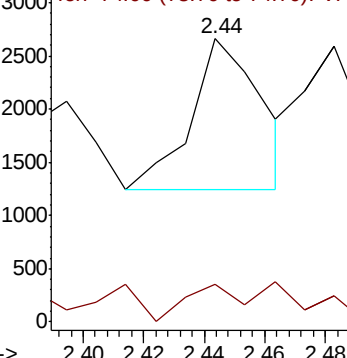
Ion Ratio Lower Upper

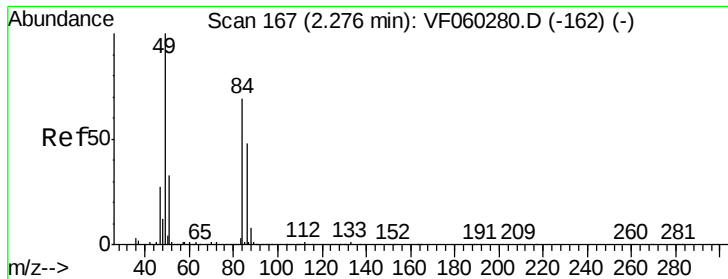
43 100

74 13.3 12.7 19.1



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 74.00 (73.70 to 74.70): VF0

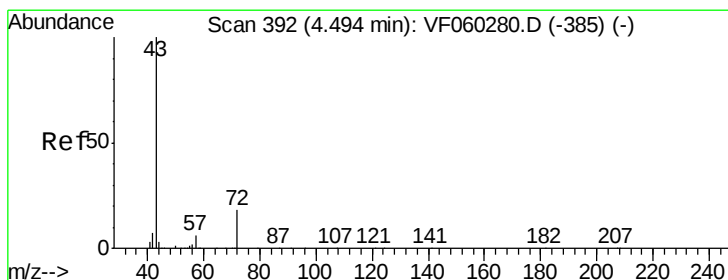
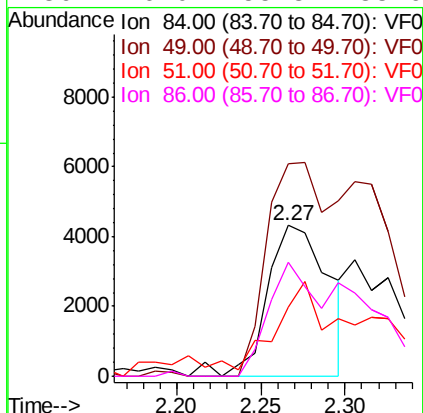
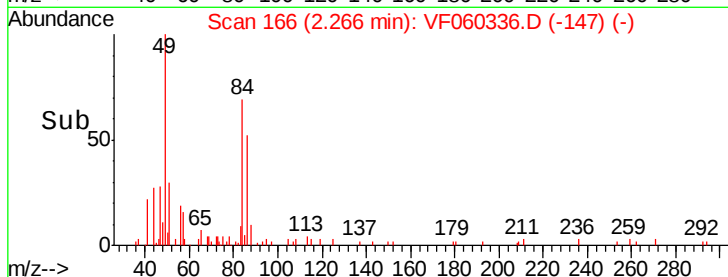
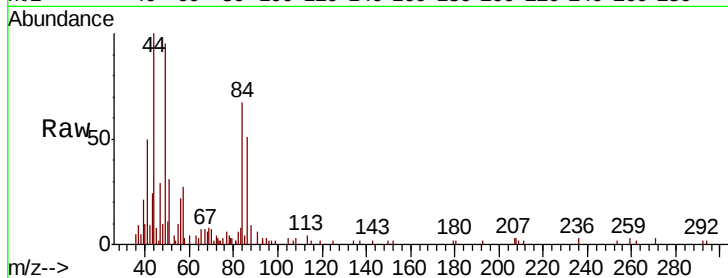




#20
Methylene Chloride
Concen: Below Cal
RT: 2.27 min Scan# 166
Delta R.T. -0.01 min
Lab File: VF060336.D
Acq: 25 Sep 2018 20:31

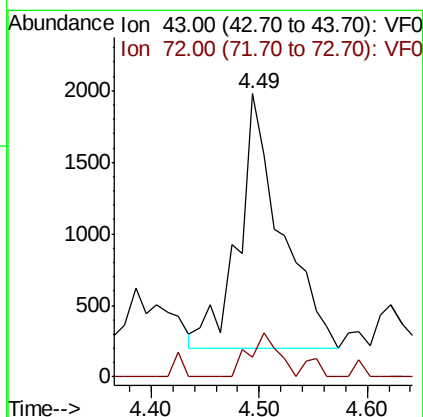
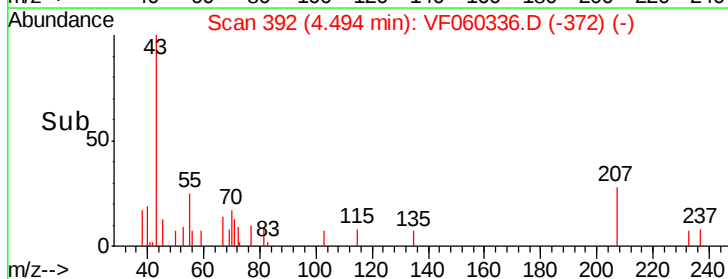
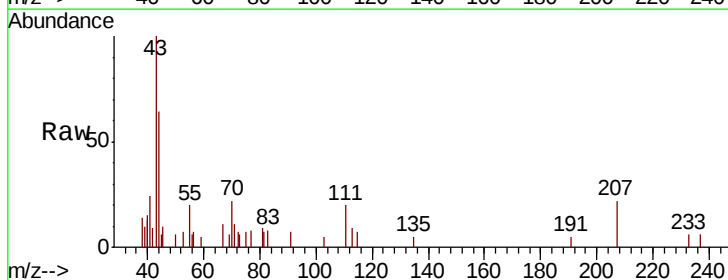
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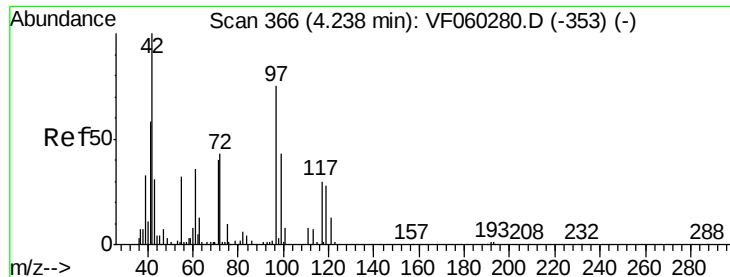
Tgt Ion:	84	Resp:	11040
Ion	Ratio	Lower	Upper
84	100		
49	140.9	118.3	177.5
51	45.5	38.7	58.1
86	76.0	55.8	83.6



#25
2-Butanone
Concen: 4.004 ug/l
RT: 4.49 min Scan# 392
Delta R.T. -0.00 min
Lab File: VF060336.D
Acq: 25 Sep 2018 20:31

Tgt Ion:	43	Resp:	4875
Ion	Ratio	Lower	Upper
43	100		
72	7.2	16.2	24.2#





#29

Tetrahydrofuran

Concen: 2.911 ug/l

RT: 4.26 min Scan# 368

Delta R.T. 0.02 min

Lab File: VF060336.D

Acq: 25 Sep 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

SU-3A-092418

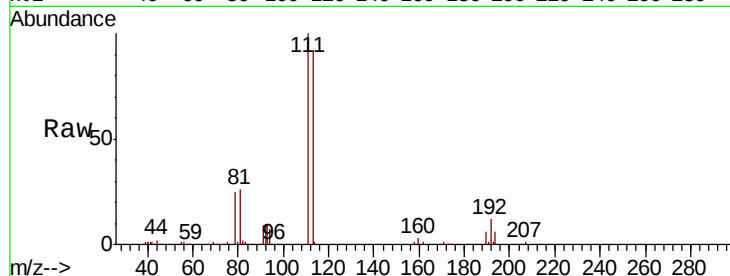
Tgt Ion: 42 Resp: 1298

Ion Ratio Lower Upper

42 100

72 8.1 32.6 49.0#

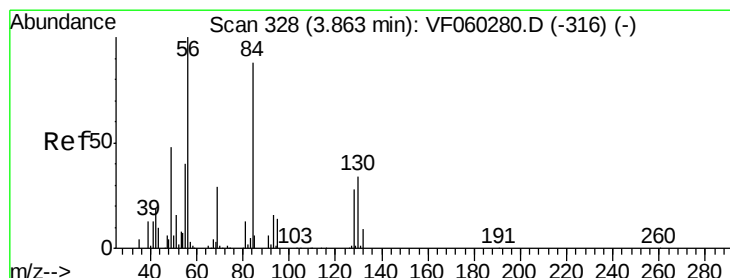
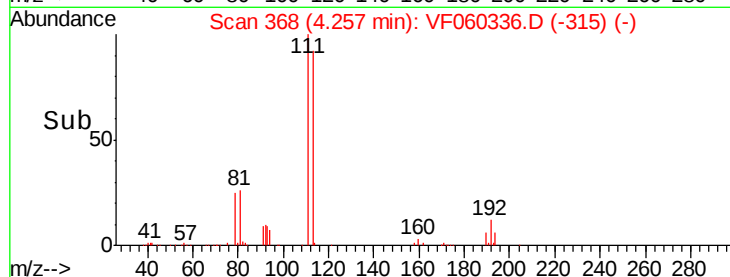
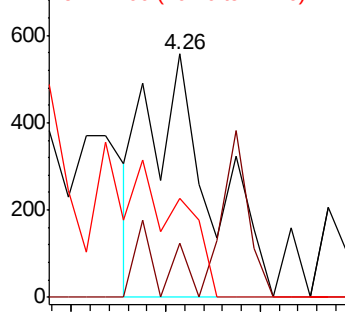
71 0.0 32.7 49.1#



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



#31

Cyclohexane

Concen: 1.634 ug/l

RT: 3.86 min Scan# 328

Delta R.T. -0.00 min

Lab File: VF060336.D

Acq: 25 Sep 2018 20:31

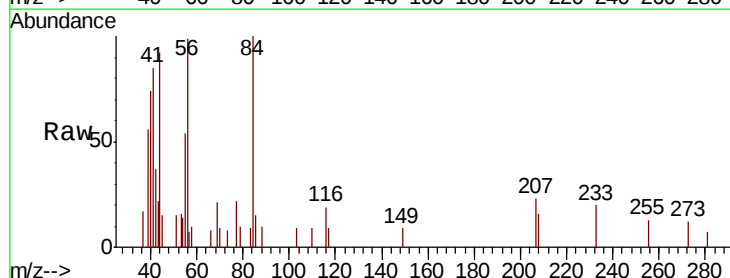
Tgt Ion: 56 Resp: 8001

Ion Ratio Lower Upper

56 100

69 21.2 23.8 35.6#

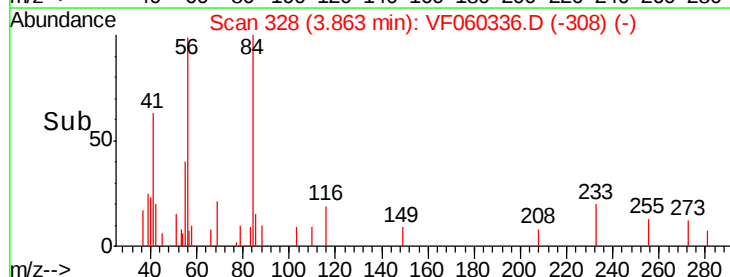
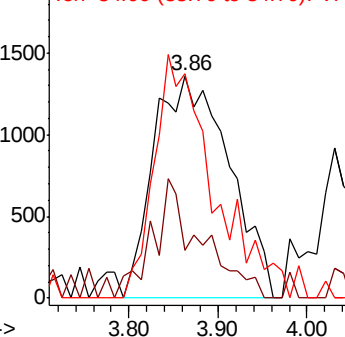
84 101.0 70.2 105.4

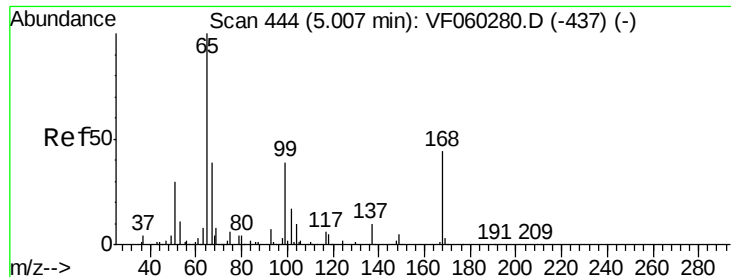


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0

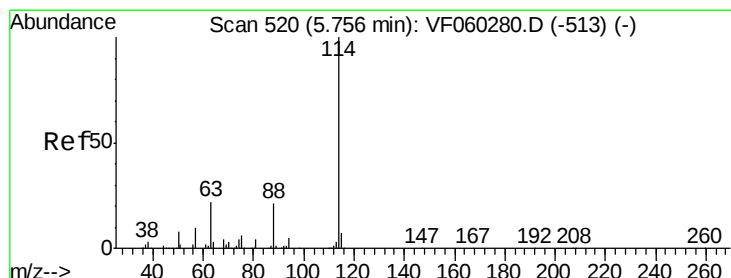
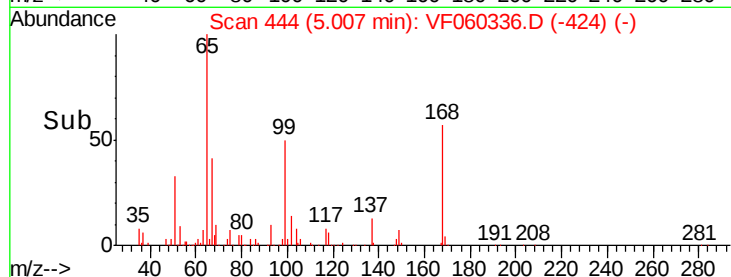
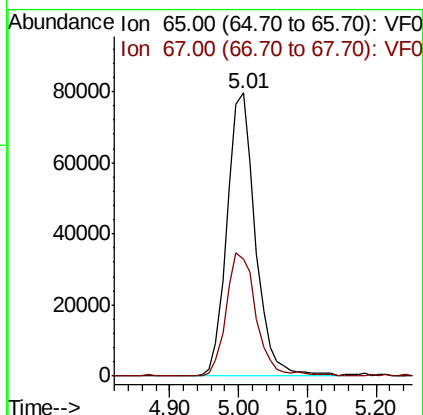
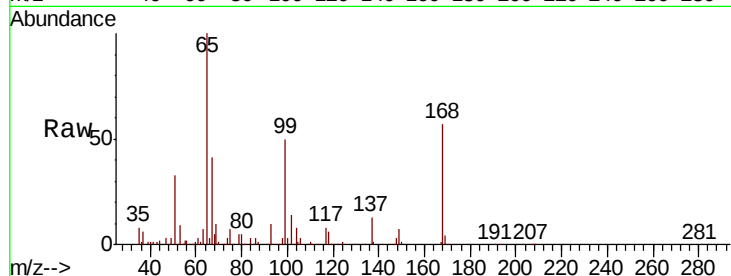




#33
 1,2-Dichloroethane-d4
 Concen: 70.807 ug/l
 RT: 5.01 min Scan# 444
 Delta R.T. -0.00 min
 Lab File: VF060336.D
 Acq: 25 Sep 2018 20:31

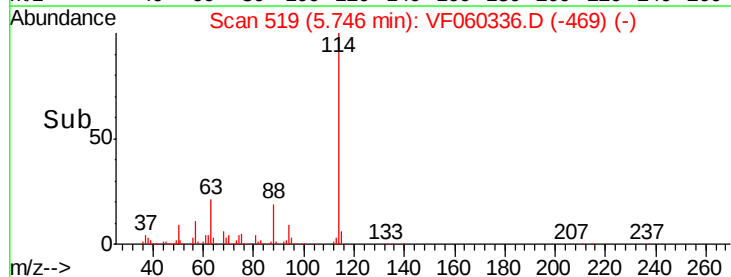
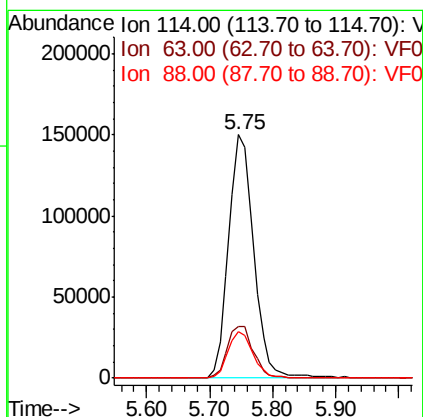
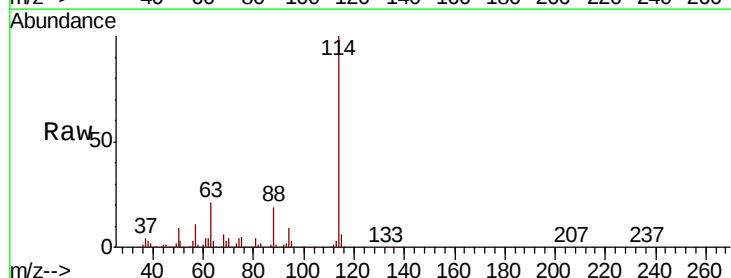
Instrument :
 MSVOA_F
 ClientSampleId :
 SU-3A-092418

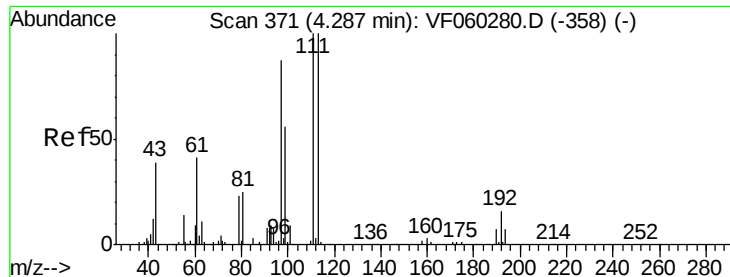
Tgt Ion: 65 Resp: 227430
 Ion Ratio Lower Upper
 65 100
 67 41.3 0.0 94.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 519
 Delta R.T. -0.01 min
 Lab File: VF060336.D
 Acq: 25 Sep 2018 20:31

Tgt Ion: 114 Resp: 414458
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 43.8
 88 19.3 0.0 41.2

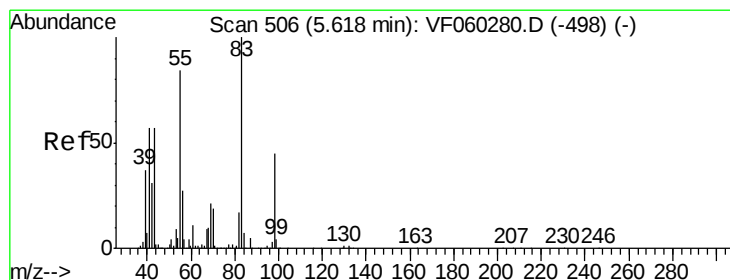
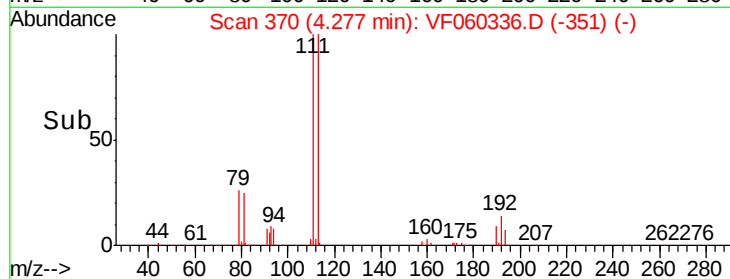
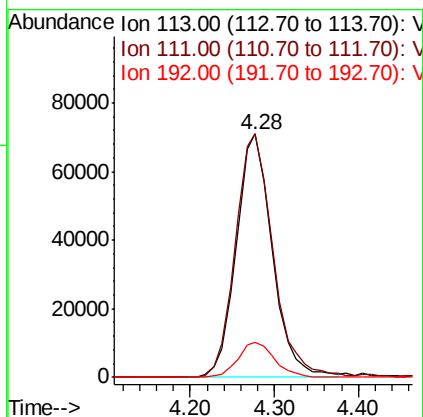
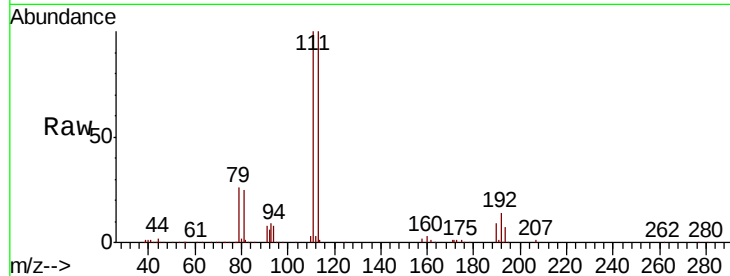




#35
Dibromofluoromethane
Concen: 57.319 ug/l
RT: 4.28 min Scan# 370
Delta R.T. -0.01 min
Lab File: VF060336.D
Acq: 25 Sep 2018 20:31

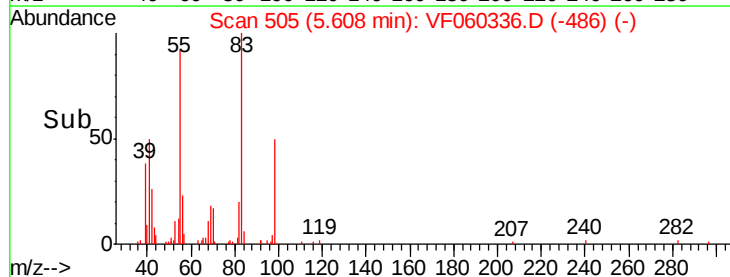
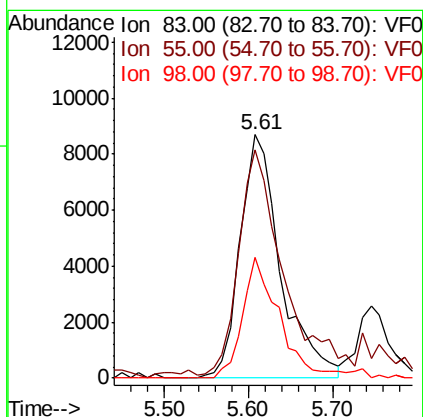
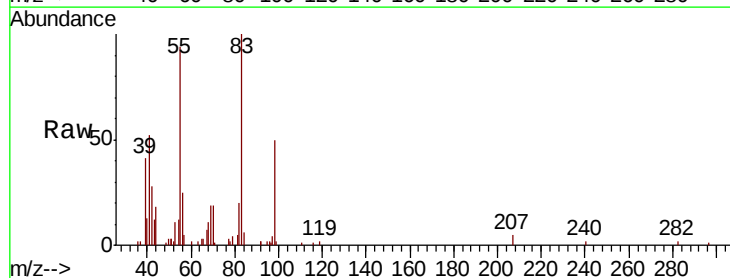
Instrument :
MSVOA_F
ClientSampleId :
SU-3A-092418

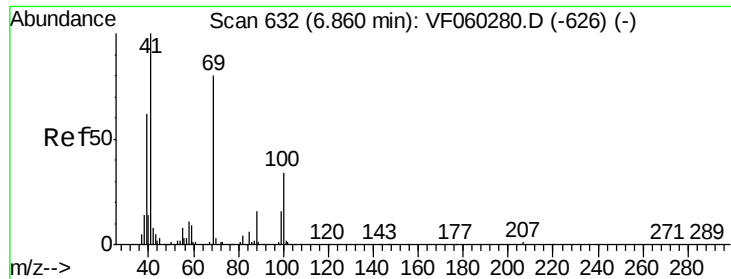
Tgt Ion	Ratio	Lower	Upper
113	100		
111	99.9	79.6	119.4
192	14.6	13.0	19.6



#39
Methylcyclohexane
Concen: 5.250 ug/l
RT: 5.61 min Scan# 505
Delta R.T. -0.01 min
Lab File: VF060336.D
Acq: 25 Sep 2018 20:31

Tgt Ion	Ratio	Lower	Upper
83	100		
55	93.7	67.3	100.9
98	49.6	36.1	54.1

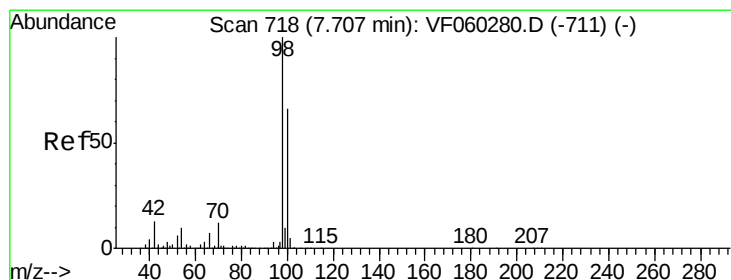
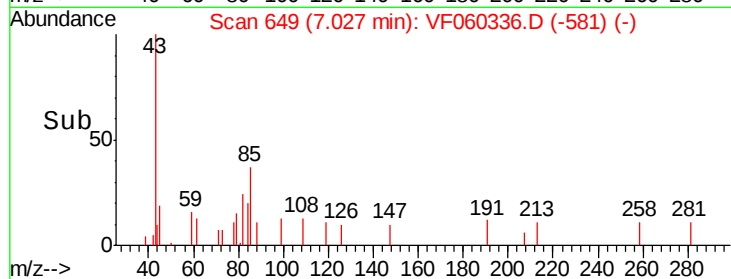
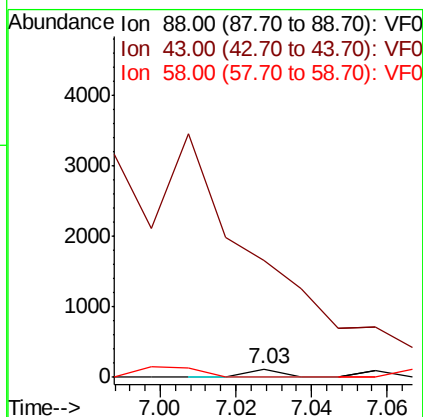
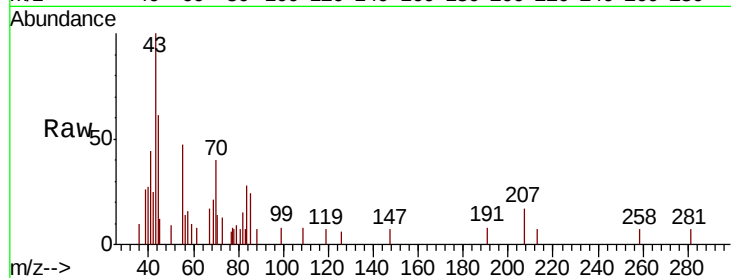




#49
1,4-Dioxane
Concen: 4.239 ug/l
RT: 7.03 min Scan# 649
Delta R.T. 0.17 min
Lab File: VF060336.D
Acq: 25 Sep 2018 20:31

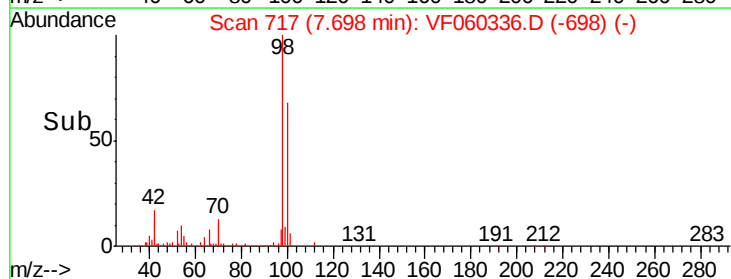
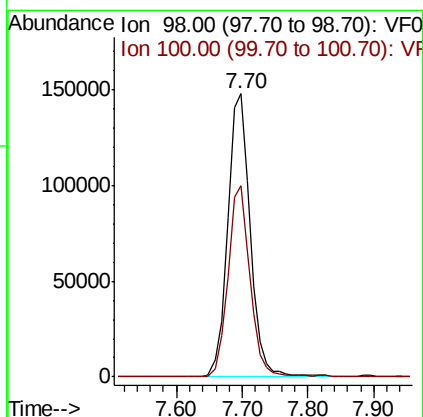
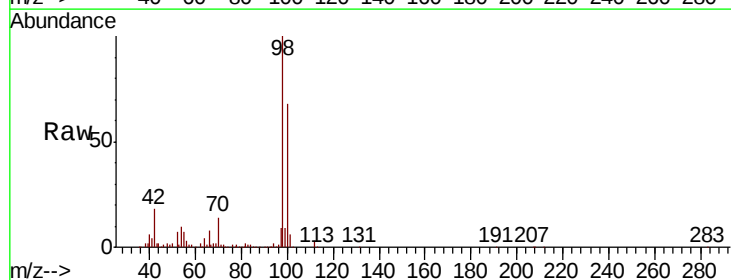
Instrument :
MSVOA_F
ClientSampleId :
SU-3A-092418

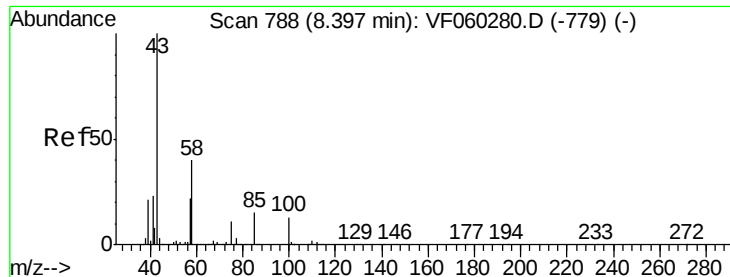
Tgt Ion: 88 Resp: 70
Ion Ratio Lower Upper
88 100
43 1394.1 40.2 60.4#
58 0.0 56.7 85.1#



#50
Toluene-d8
Concen: 36.826 ug/l
RT: 7.70 min Scan# 717
Delta R.T. -0.01 min
Lab File: VF060336.D
Acq: 25 Sep 2018 20:31

Tgt Ion: 98 Resp: 354325
Ion Ratio Lower Upper
98 100
100 67.8 53.0 79.6

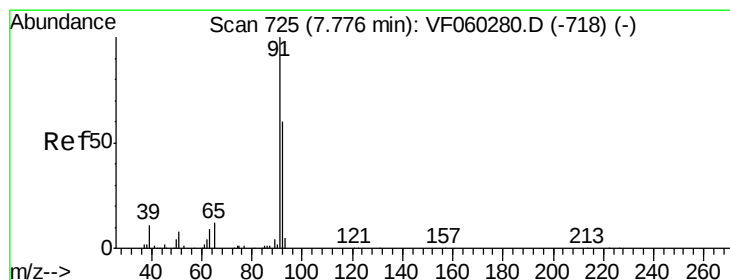
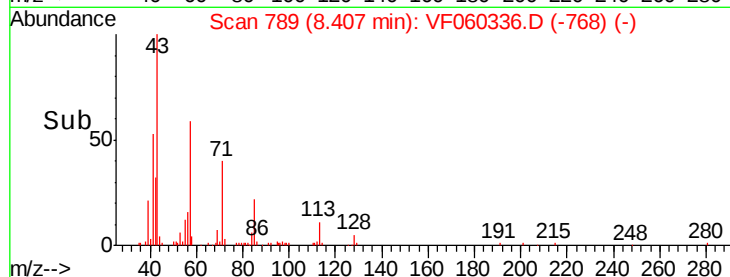
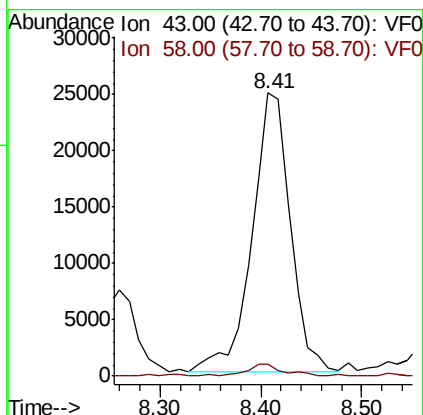
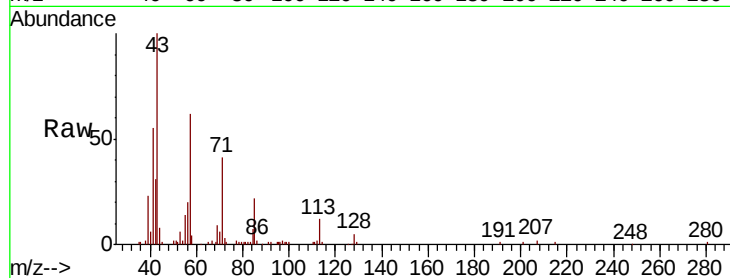




#51
 4-Methyl-2-Pentanone
 Concen: 31.942 ug/l
 RT: 8.41 min Scan# 789
 Delta R.T. 0.01 min
 Lab File: VF060336.D
 Acq: 25 Sep 2018 20:31

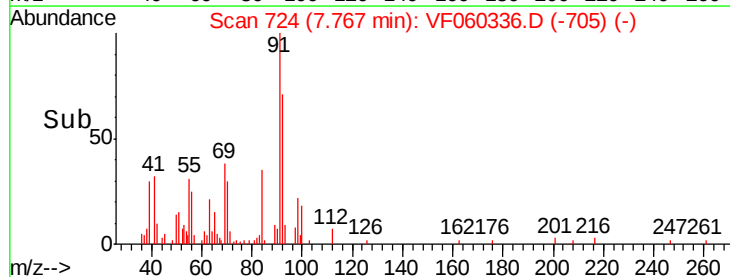
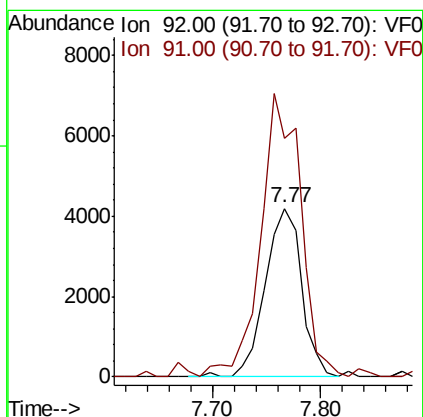
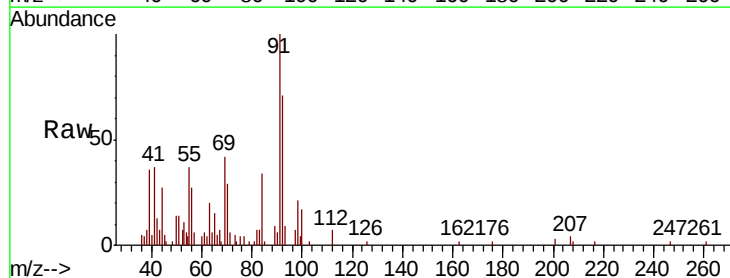
Instrument :
 MSVOA_F
 ClientSampleId :
 SU-3A-092418

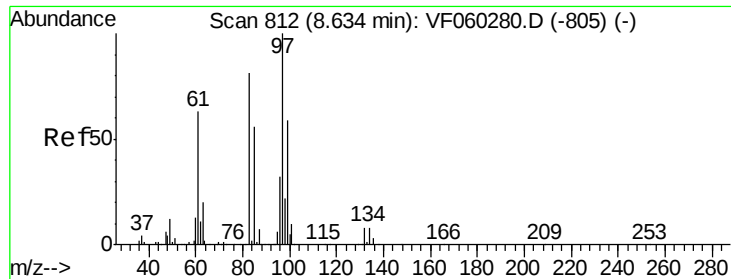
Tgt Ion: 43 Resp: 64833
 Ion Ratio Lower Upper
 43 100
 58 4.4 31.8 47.8#



#52
 Toluene
 Concen: 1.325 ug/l
 RT: 7.77 min Scan# 724
 Delta R.T. -0.01 min
 Lab File: VF060336.D
 Acq: 25 Sep 2018 20:31

Tgt Ion: 92 Resp: 9823
 Ion Ratio Lower Upper
 92 100
 91 141.6 133.3 199.9





#55

1,1,2-Trichloroethane

Concen: 3.793 ug/l

RT: 8.52 min Scan# 800

Delta R.T. -0.12 min

Lab File: VF060336.D

Acq: 25 Sep 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

SU-3A-092418

Tgt Ion: 97 Resp: 8538

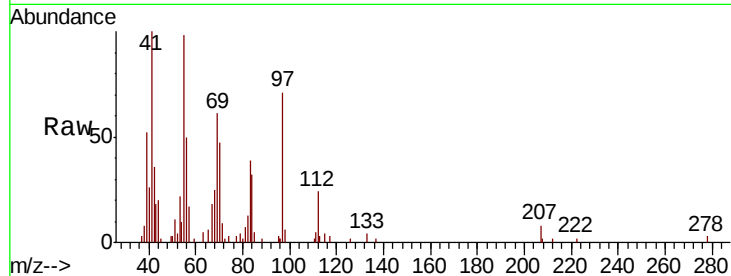
Ion Ratio Lower Upper

97 100

83 55.1 65.3 97.9#

85 6.7 44.7 67.1#

99 0.0 47.0 70.4#

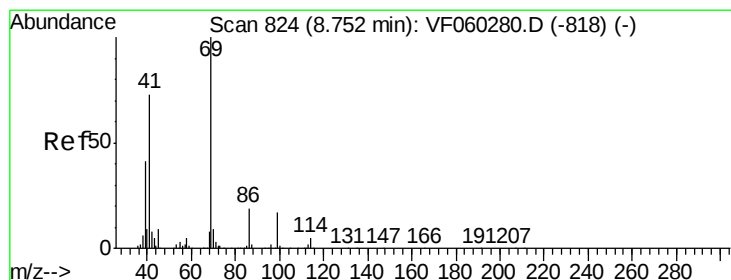
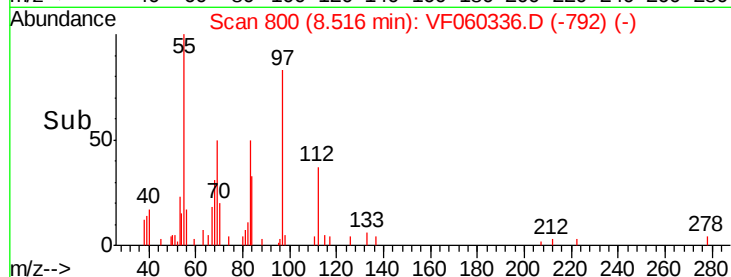
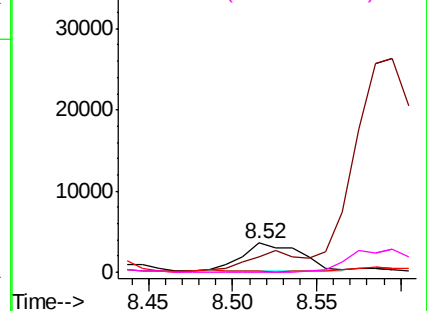


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 45.445 ug/l

RT: 8.75 min Scan# 824

Delta R.T. -0.00 min

Lab File: VF060336.D

Acq: 25 Sep 2018 20:31

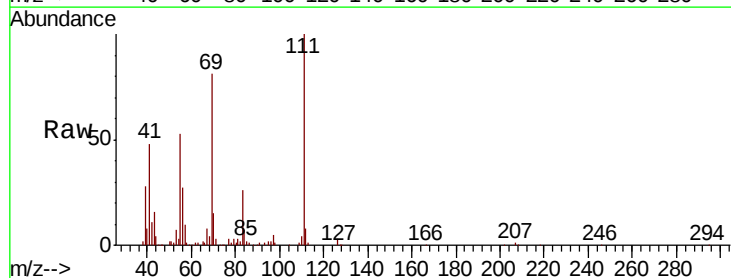
Tgt Ion: 69 Resp: 123536

Ion Ratio Lower Upper

69 100

41 59.3 59.4 89.2#

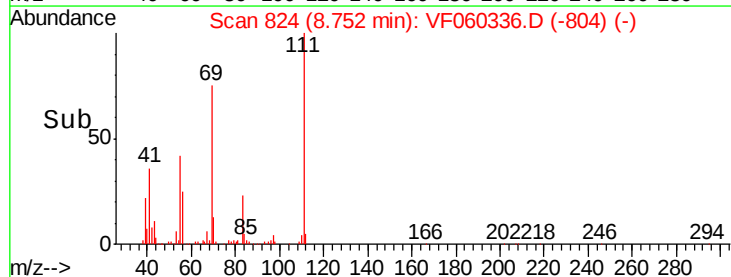
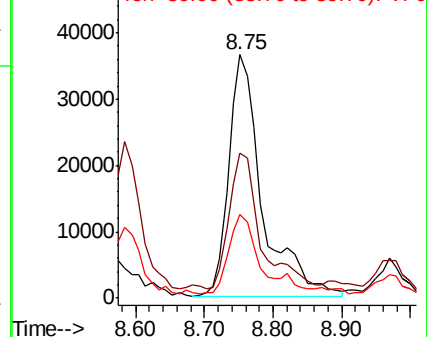
39 34.2 33.5 50.3

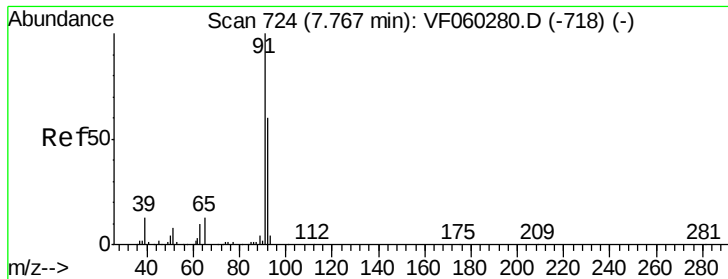


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

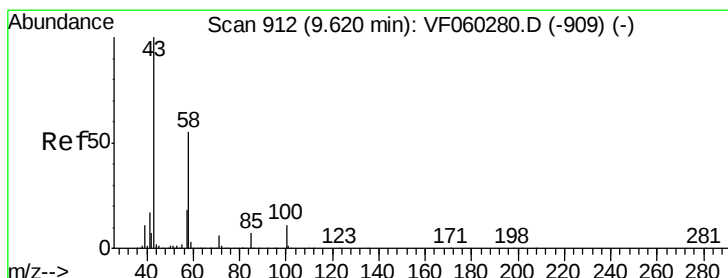
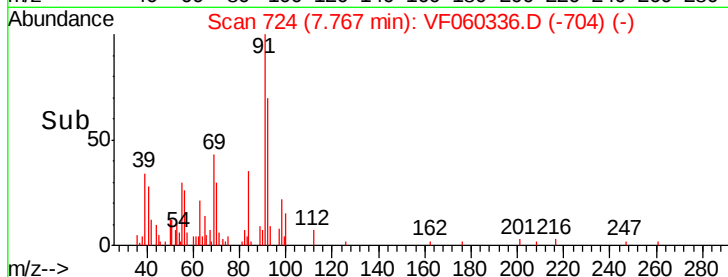
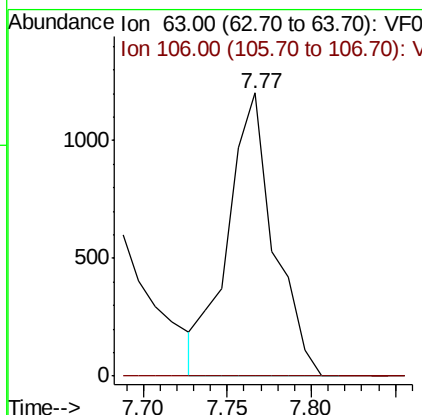
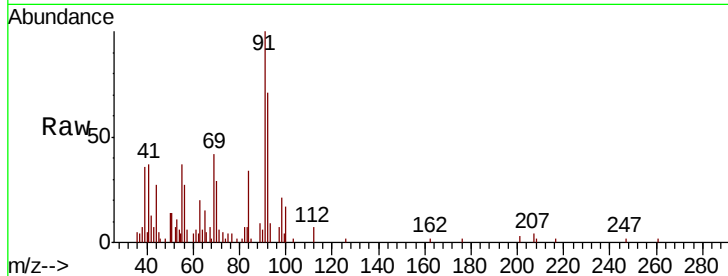




#58
 2-Chloroethyl Vinyl ether
 Concen: 9.550 ug/l
 RT: 7.77 min Scan# 724
 Delta R.T. -0.00 min
 Lab File: VF060336.D
 Acq: 25 Sep 2018 20:31

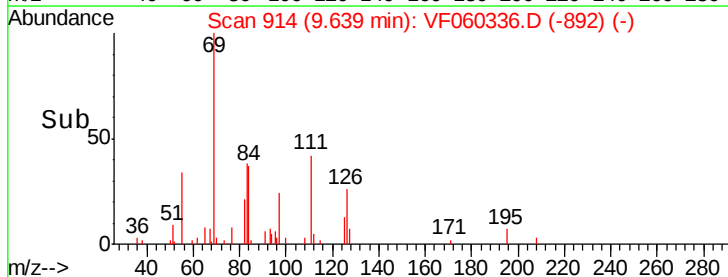
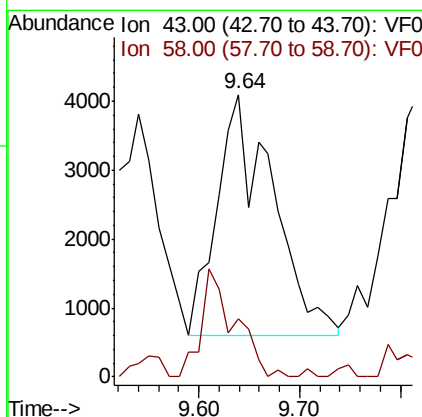
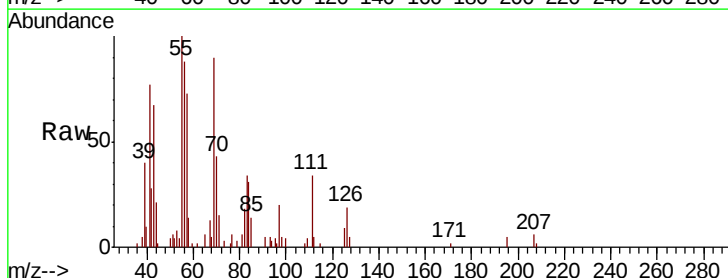
Instrument :
 MSVOA_F
 ClientSampleId :
 SU-3A-092418

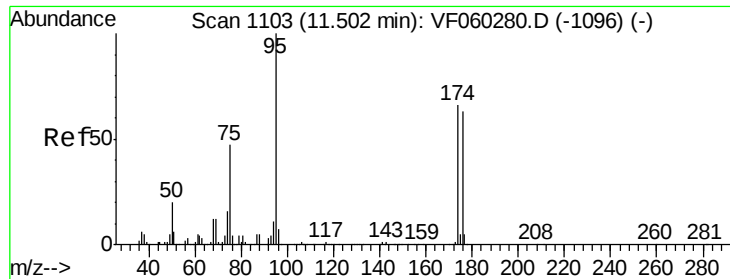
Tgt Ion: 63 Resp: 2295
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0



#59
 2-Hexanone
 Concen: 9.321 ug/l
 RT: 9.64 min Scan# 914
 Delta R.T. 0.02 min
 Lab File: VF060336.D
 Acq: 25 Sep 2018 20:31

Tgt Ion: 43 Resp: 13470
 Ion Ratio Lower Upper
 43 100
 58 20.4 25.9 77.6#





#62

4-Bromofluorobenzene

Concen: 45.113 ug/l

RT: 11.50 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VF060336.D

Acq: 25 Sep 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

SU-3A-092418

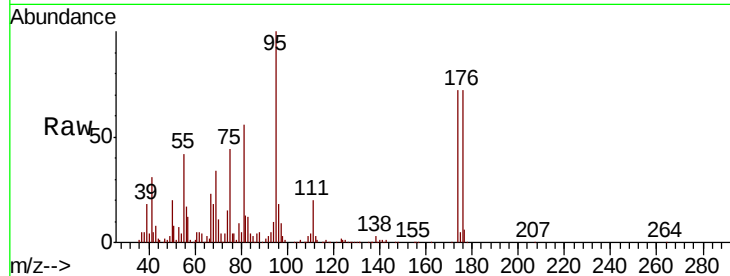
Tgt Ion: 95 Resp: 187628

Ion Ratio Lower Upper

95 100

174 72.1 0.0 131.2

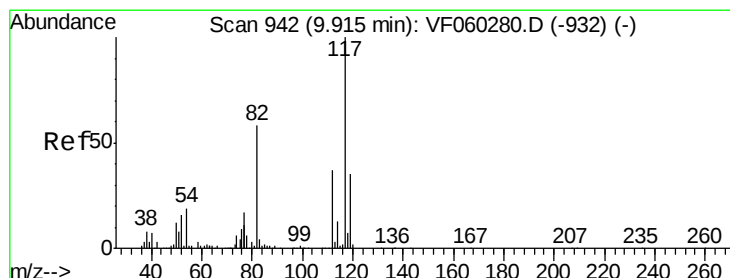
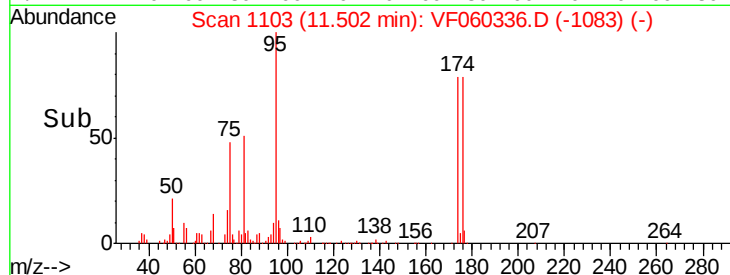
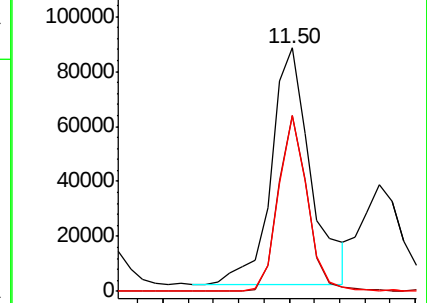
176 72.4 0.0 126.6



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: 9.91 min Scan# 941

Delta R.T. -0.01 min

Lab File: VF060336.D

Acq: 25 Sep 2018 20:31

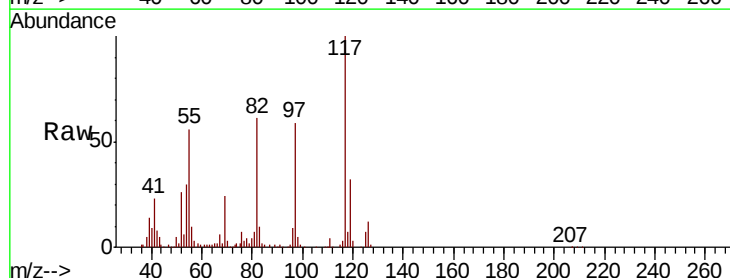
Tgt Ion: 117 Resp: 257169

Ion Ratio Lower Upper

117 100

82 60.6 46.2 69.2

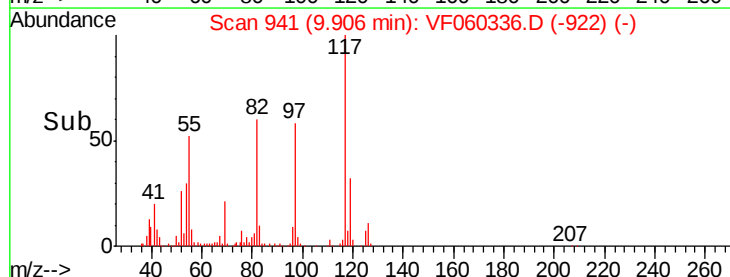
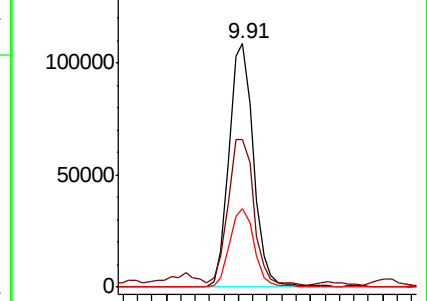
119 32.3 27.8 41.6

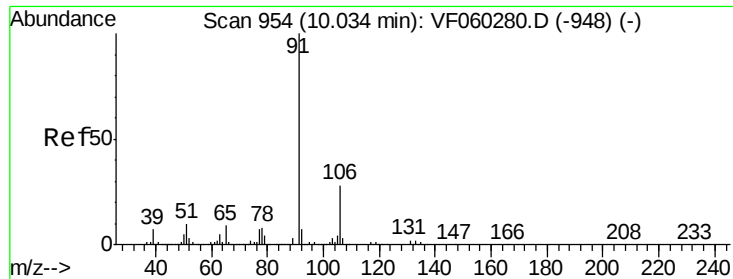


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 1.005 ug/l

RT: 10.02 min Scan# 953

Delta R.T. -0.01 min

Lab File: VF060336.D

Acq: 25 Sep 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

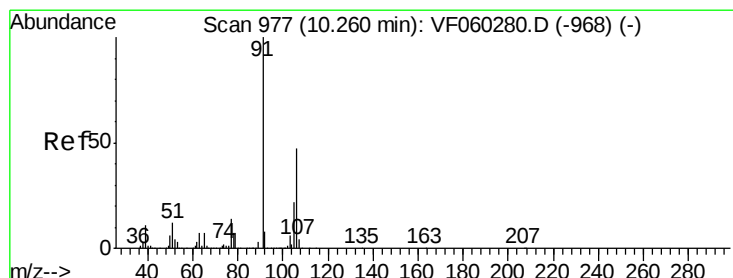
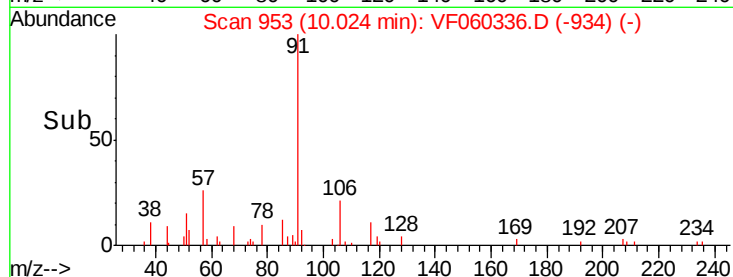
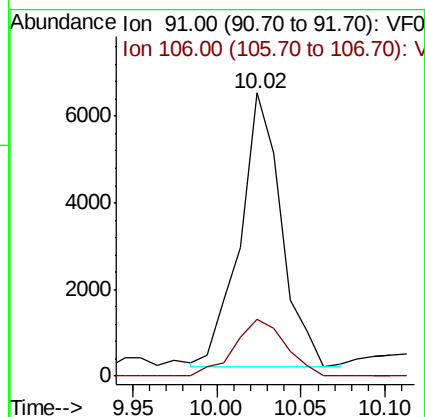
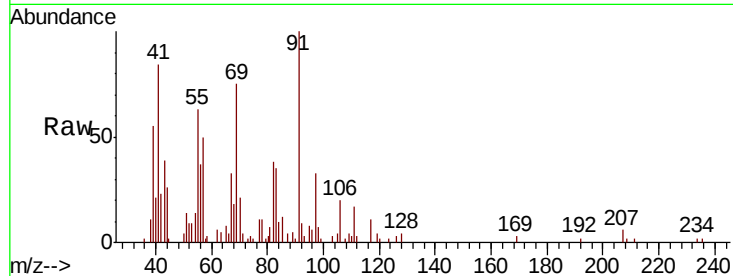
SU-3A-092418

Tgt Ion: 91 Resp: 10836

Ion Ratio Lower Upper

91 100

106 20.2 22.7 34.1#



#68

m/p-Xylenes

Concen: 1.559 ug/l

RT: 10.25 min Scan# 976

Delta R.T. -0.01 min

Lab File: VF060336.D

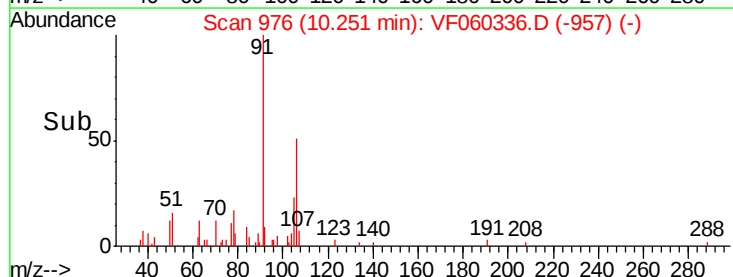
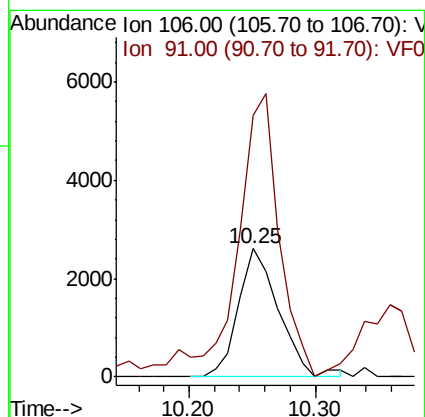
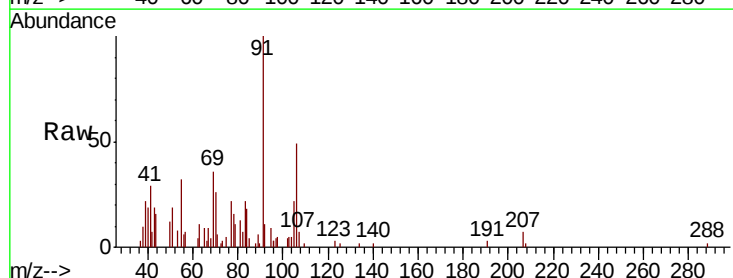
Acq: 25 Sep 2018 20:31

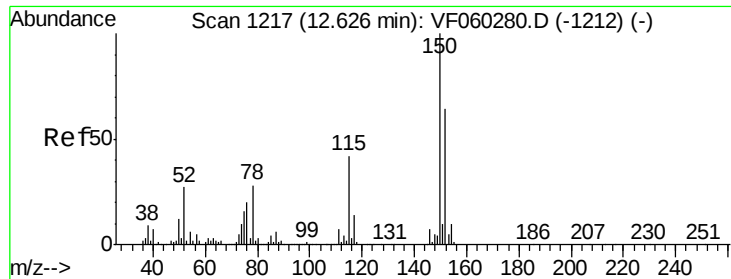
Tgt Ion:106 Resp: 5805

Ion Ratio Lower Upper

106 100

91 203.6 172.3 258.5



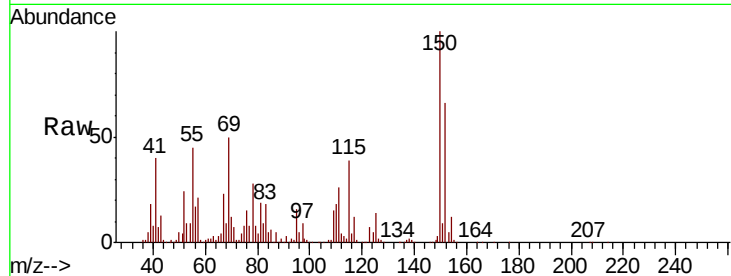


#72

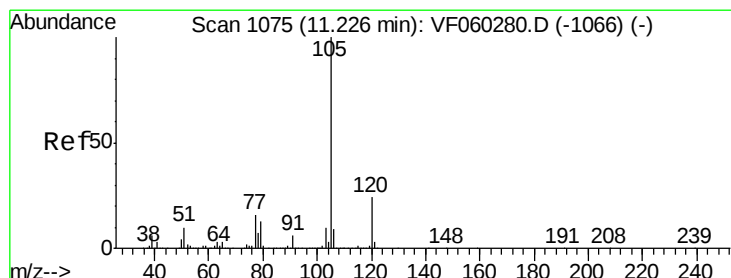
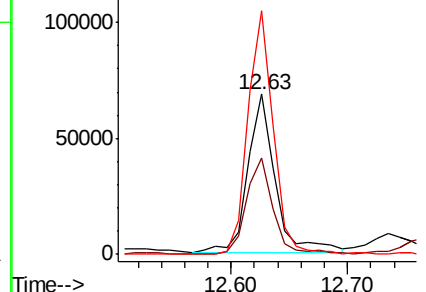
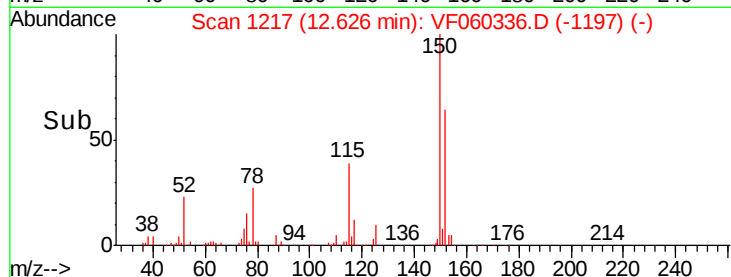
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1217
Delta R.T. -0.00 min
Lab File: VF060336.D
Acq: 25 Sep 2018 20:31

Instrument :
MSVOA_F
ClientSampleId :
SU-3A-092418

Tgt Ion	Resp	Lower	Upper
152	111052		
152	100		
115	60.0	32.6	97.8
150	152.3	0.0	314.2



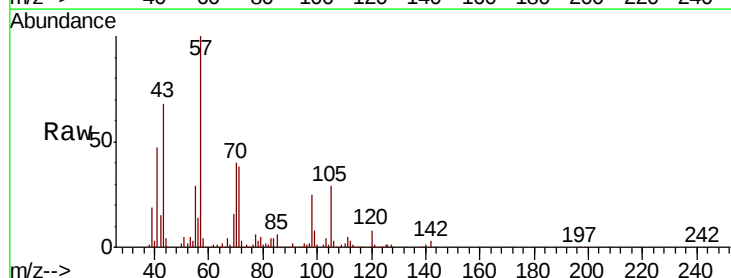
Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V



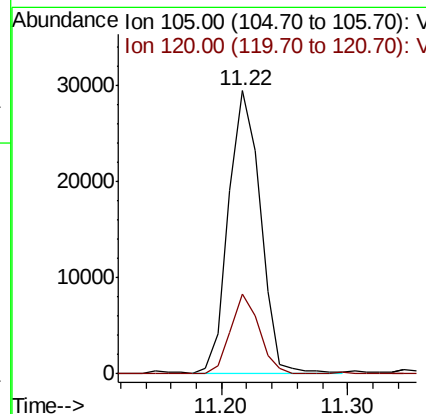
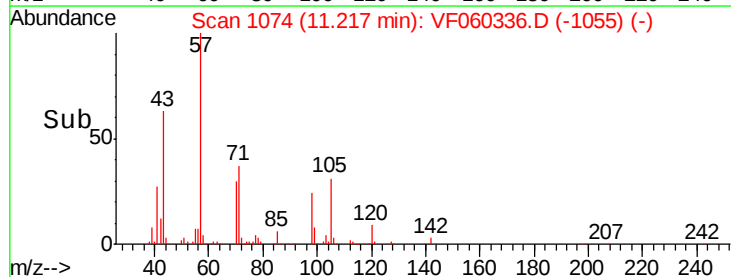
#73

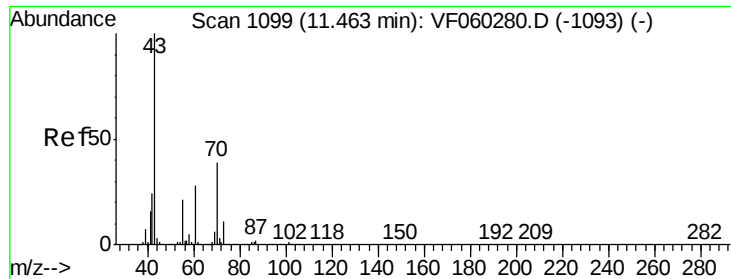
Isopropylbenzene
Concen: 5.201 ug/l
RT: 11.22 min Scan# 1074
Delta R.T. -0.01 min
Lab File: VF060336.D
Acq: 25 Sep 2018 20:31

Tgt Ion	Resp	Lower	Upper
105	51848		
105	100		
120	28.3	12.2	36.6



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





#74

N-amyI acetate

Concen: 21.469 ug/l

RT: 11.47 min Scan# 1100

Delta R.T. 0.01 min

Lab File: VF060336.D

Acq: 25 Sep 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

SU-3A-092418

Tgt Ion: 43 Resp: 45641

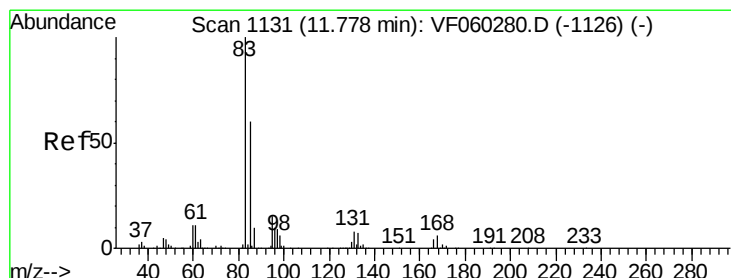
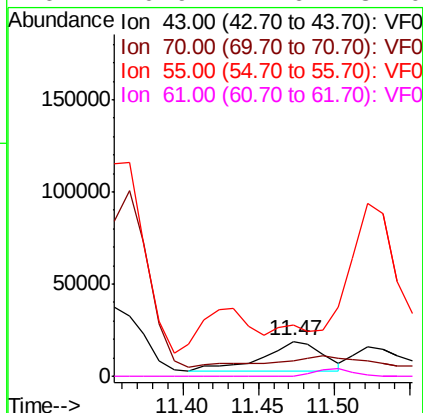
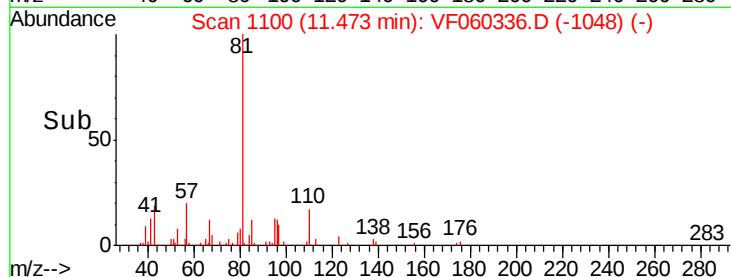
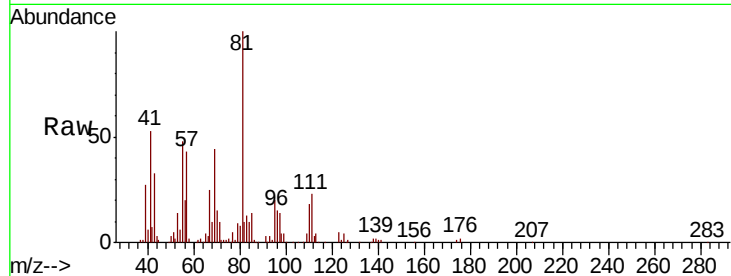
Ion Ratio Lower Upper

43 100

70 43.7 31.4 47.2

55 145.2 16.8 25.2#

61 0.9 22.6 34.0#



#75

1,1,2,2-Tetrachloroethane

Concen: 37.380 ug/l

RT: 11.76 min Scan# 1129

Delta R.T. -0.02 min

Lab File: VF060336.D

Acq: 25 Sep 2018 20:31

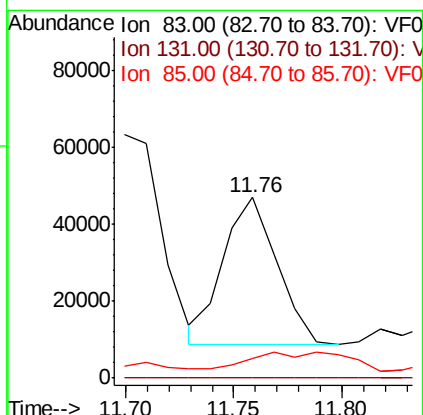
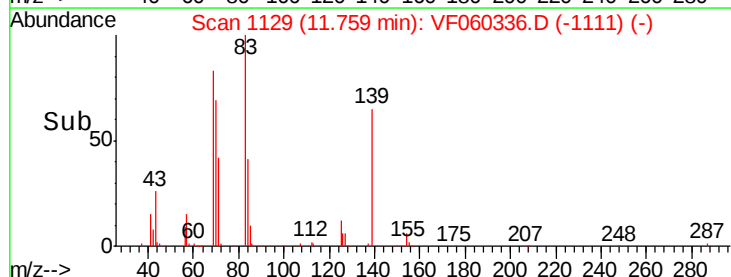
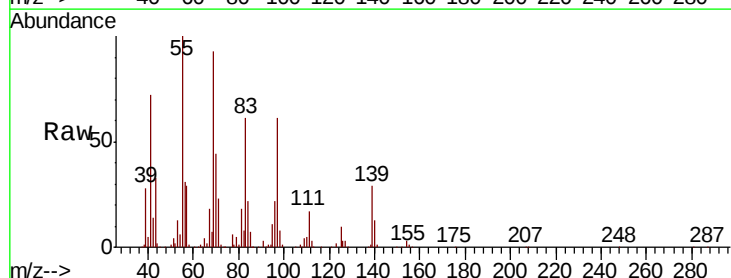
Tgt Ion: 83 Resp: 66043

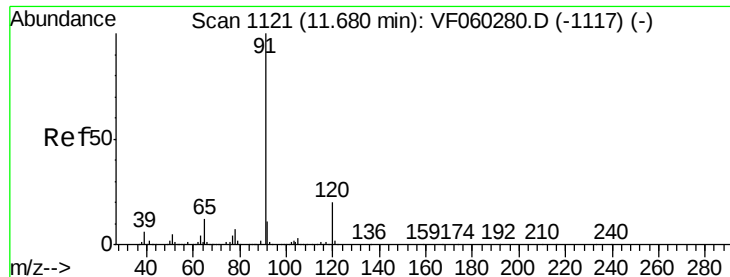
Ion Ratio Lower Upper

83 100

131 0.0 4.2 12.4#

85 11.2 30.1 90.5#





#78

n-propylbenzene

Concen: Below Cal

RT: 11.68 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF060336.D

Acq: 25 Sep 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

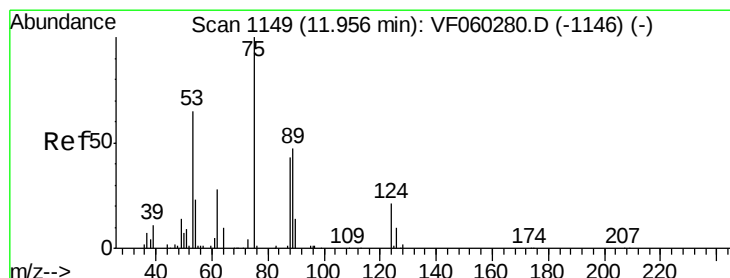
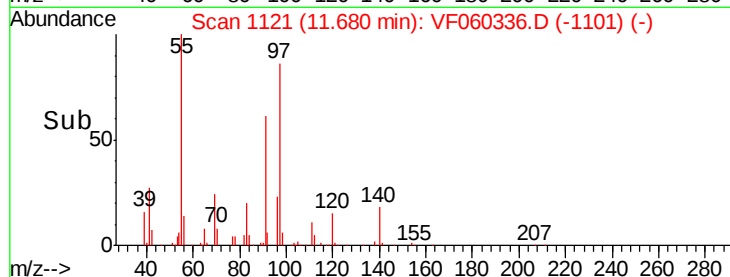
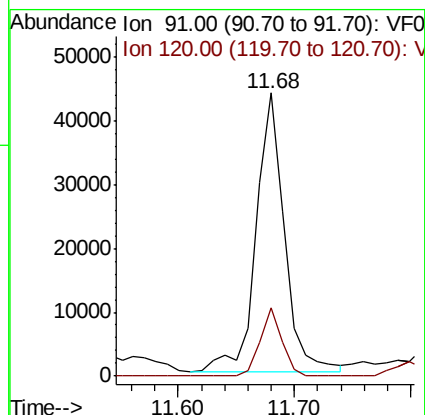
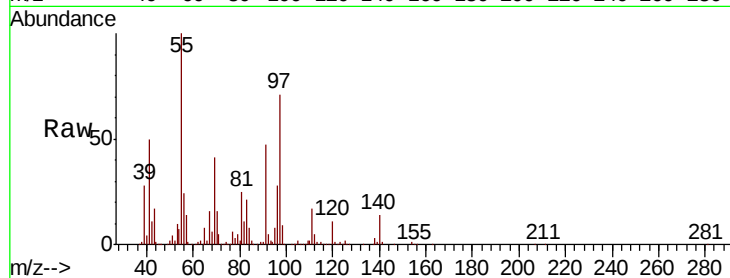
SU-3A-092418

Tgt Ion: 91 Resp: 73345

Ion Ratio Lower Upper

91 100

120 24.3 10.0 29.8



#81

trans-1,4-Dichloro-2-butene

Concen: 1.155 ug/l

RT: 11.98 min Scan# 1151

Delta R.T. 0.02 min

Lab File: VF060336.D

Acq: 25 Sep 2018 20:31

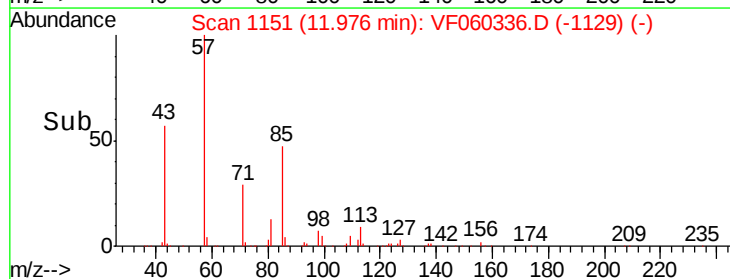
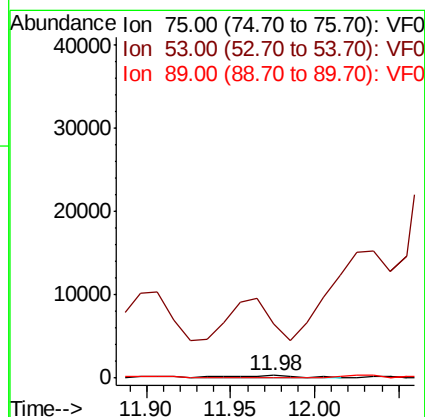
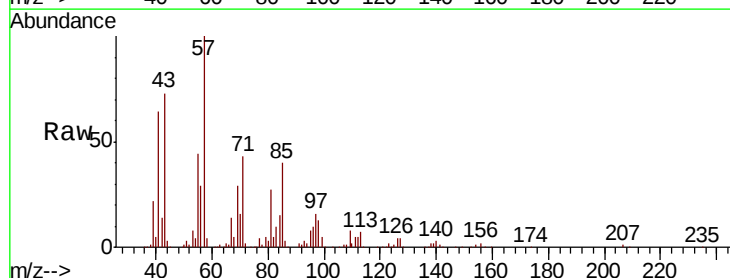
Tgt Ion: 75 Resp: 772

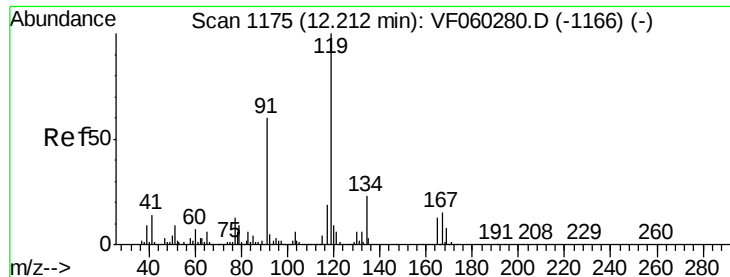
Ion Ratio Lower Upper

75 100

53 2288.1 56.5 84.7#

89 0.0 40.6 60.8#

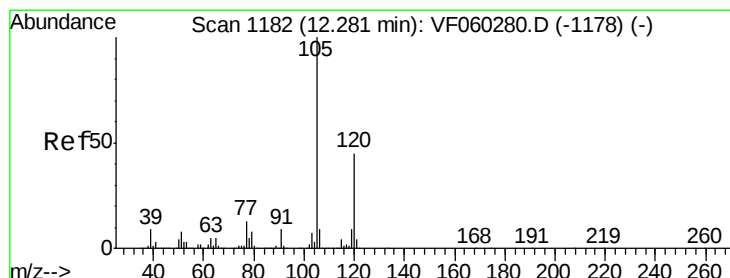
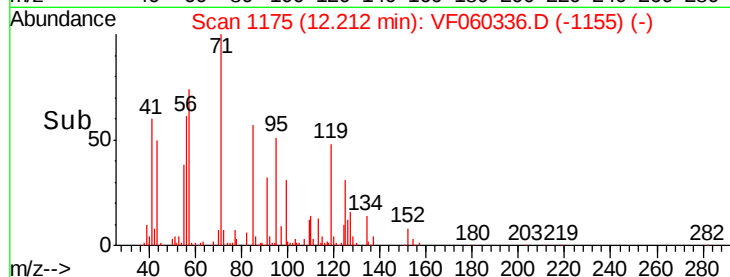
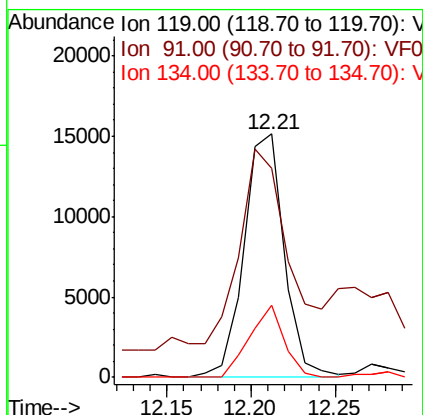
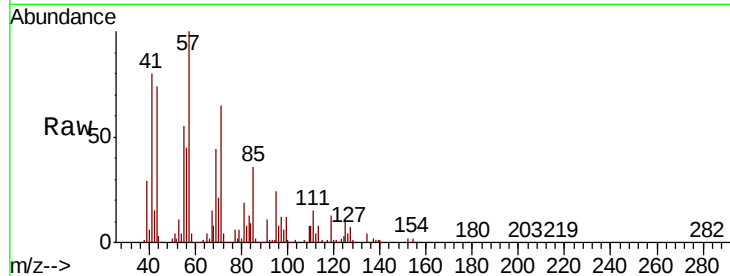




#83
 tert-Butylbenzene
 Concen: 3.083 ug/l
 RT: 12.21 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VF060336.D
 Acq: 25 Sep 2018 20:31

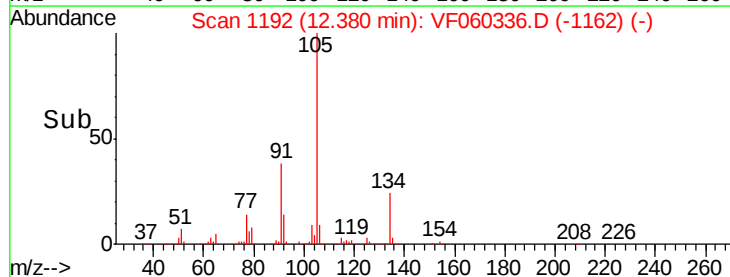
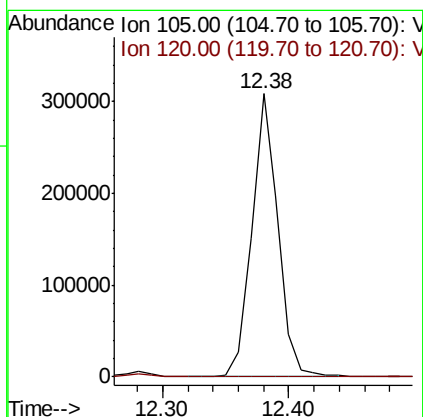
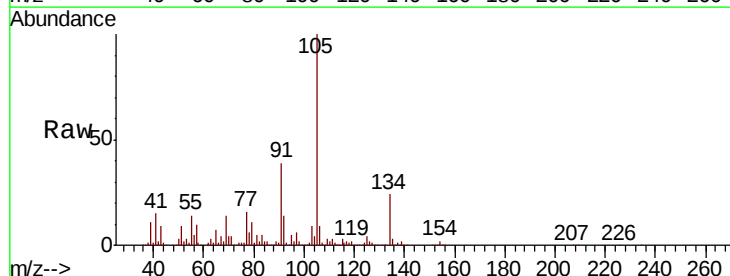
Instrument :
 MSVOA_F
 ClientSampleId :
 SU-3A-092418

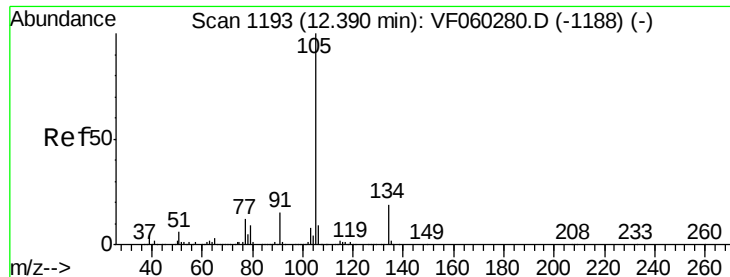
Tgt Ion:119 Resp: 25083
 Ion Ratio Lower Upper
 119 100
 91 85.7 30.3 91.0
 134 29.4 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 54.166 ug/l
 RT: 12.38 min Scan# 1192
 Delta R.T. 0.10 min
 Lab File: VF060336.D
 Acq: 25 Sep 2018 20:31

Tgt Ion:105 Resp: 441393
 Ion Ratio Lower Upper
 105 100
 120 0.2 22.4 67.0#

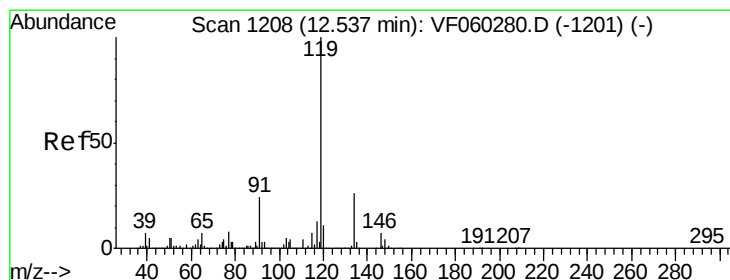
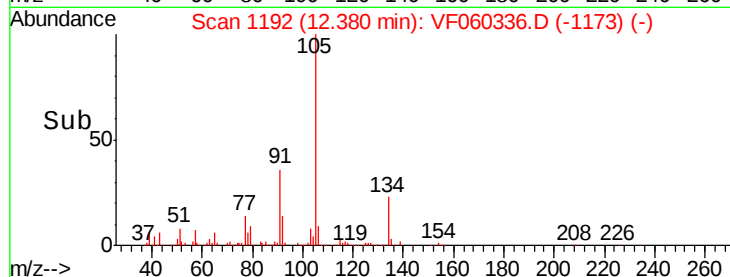
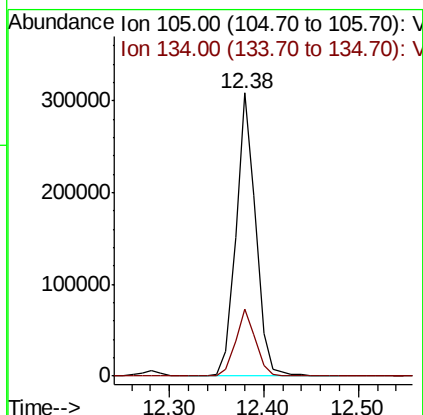
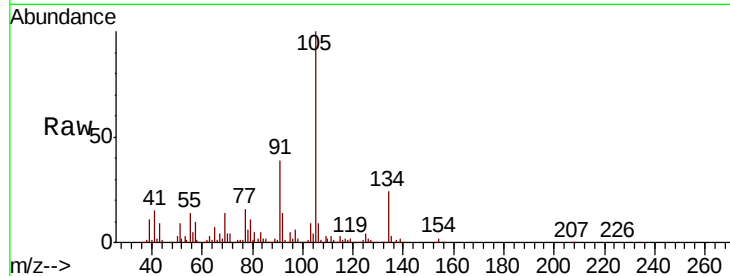




#85
 sec-Butylbenzene
 Concen: 46.032 ug/l
 RT: 12.38 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF060336.D
 Acq: 25 Sep 2018 20:31

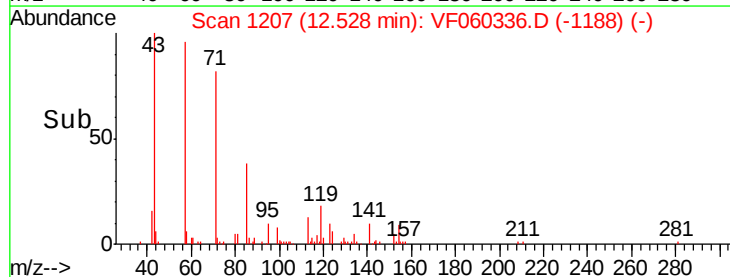
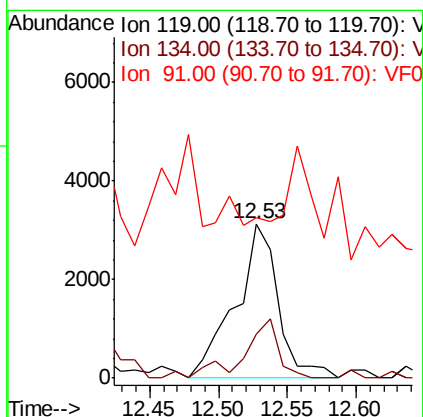
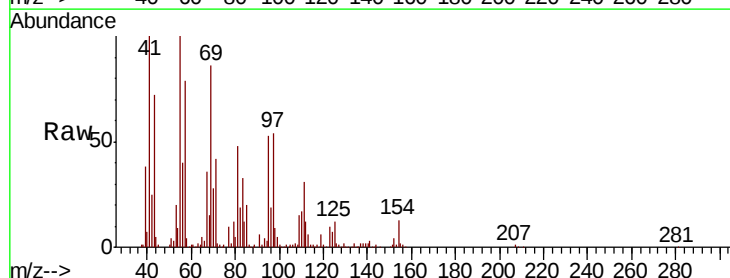
Instrument :
 MSVOA_F
 ClientSampleId :
 SU-3A-092418

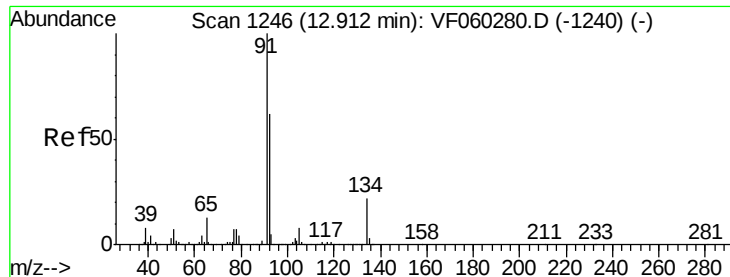
Tgt Ion:105 Resp: 442318
 Ion Ratio Lower Upper
 105 100
 134 23.5 9.6 28.6



#86
 p-Isopropyltoluene
 Concen: Below Cal
 RT: 12.53 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: VF060336.D
 Acq: 25 Sep 2018 20:31

Tgt Ion:119 Resp: 6804
 Ion Ratio Lower Upper
 119 100
 134 28.6 12.9 38.7
 91 104.1 11.9 35.7#





#89

n-Butylbenzene

Concen: 23.857 ug/l

RT: 12.91 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VF060336.D

Acq: 25 Sep 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

SU-3A-092418

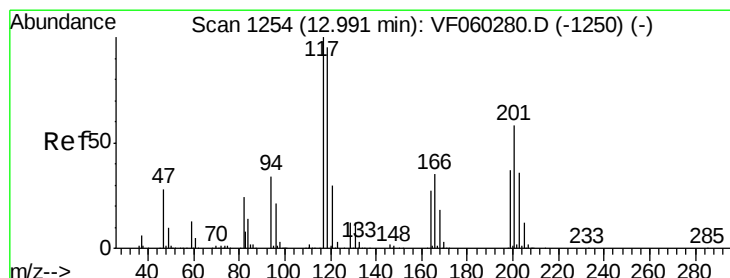
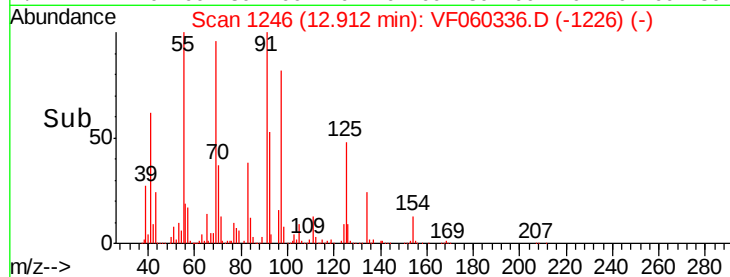
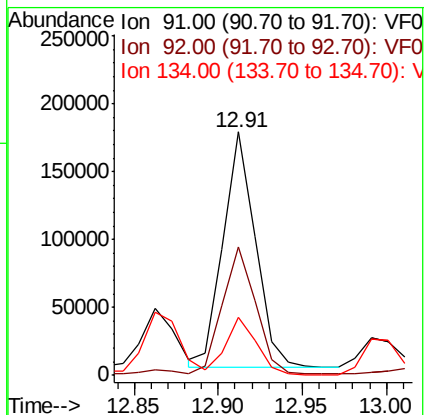
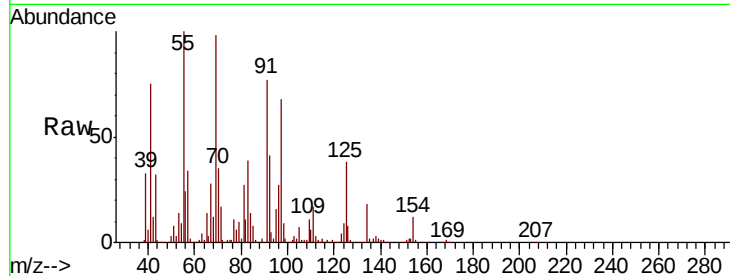
Tgt Ion: 91 Resp: 230145

Ion Ratio Lower Upper

91 100

92 52.8 31.1 93.5

134 23.6 11.0 33.0



#90

Hexachloroethane

Concen: 8.736 ug/l

RT: 12.99 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VF060336.D

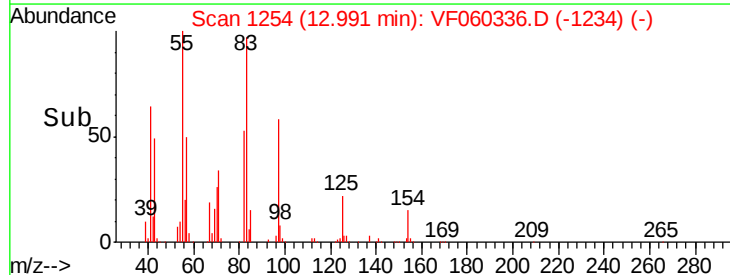
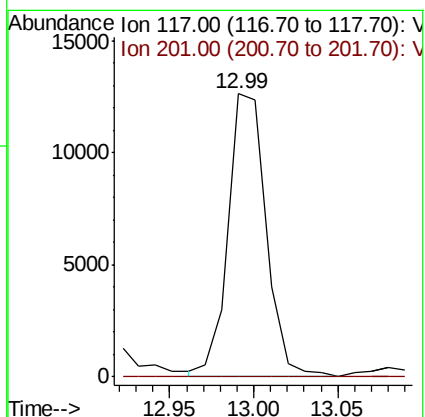
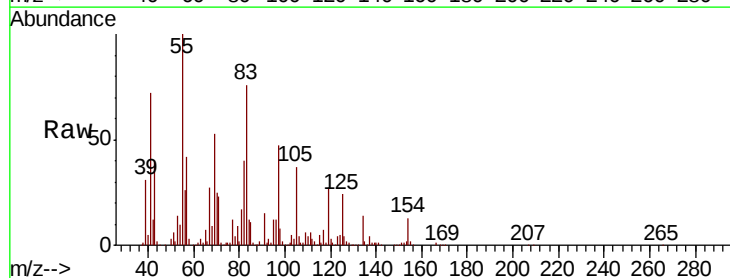
Acq: 25 Sep 2018 20:31

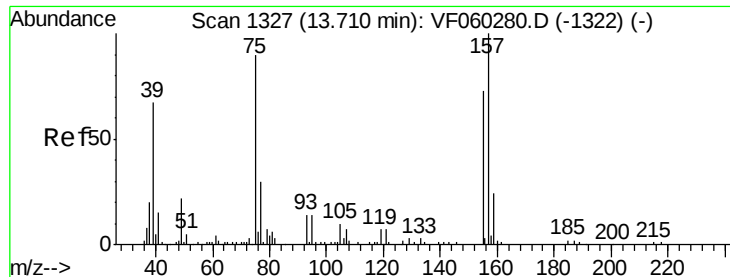
Tgt Ion: 117 Resp: 19886

Ion Ratio Lower Upper

117 100

201 0.0 29.0 87.0#





#92

1,2-Dibromo-3-Chloropropane

Concen: 12.164 ug/l

RT: 13.70 min Scan# 1326

Delta R.T. -0.01 min

Lab File: VF060336.D

Acq: 25 Sep 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

SU-3A-092418

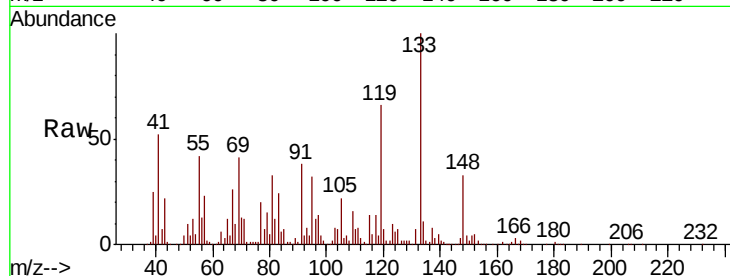
Tgt Ion: 75 Resp: 4035

Ion Ratio Lower Upper

75 100

155 34.1 41.9 125.7#

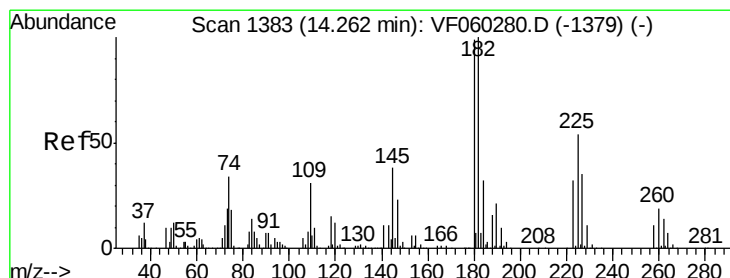
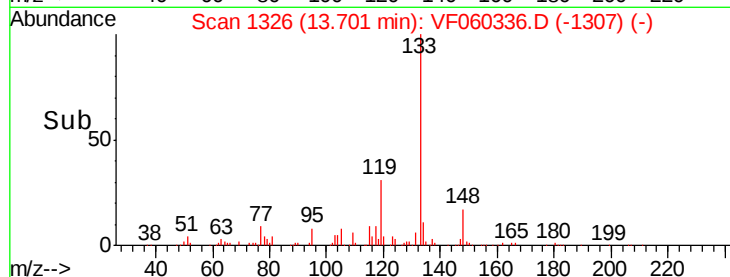
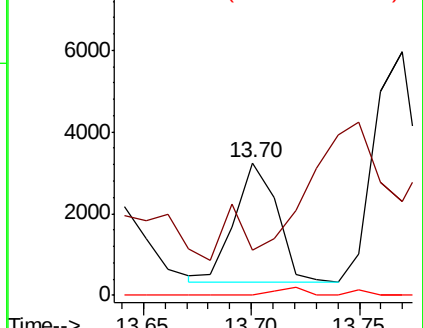
157 0.0 57.4 172.0#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V



#93

1,2,4-Trichlorobenzene

Concen: 1.800 ug/l

RT: 14.26 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VF060336.D

Acq: 25 Sep 2018 20:31

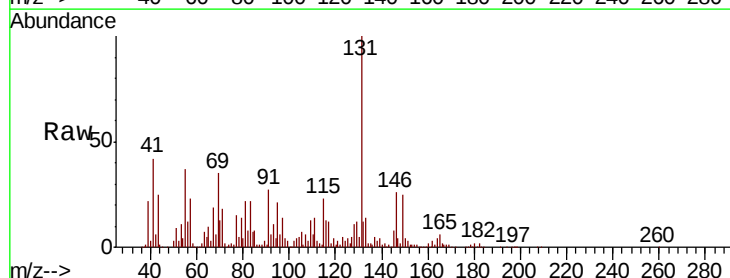
Tgt Ion: 180 Resp: 5011

Ion Ratio Lower Upper

180 100

182 147.8 50.3 151.0

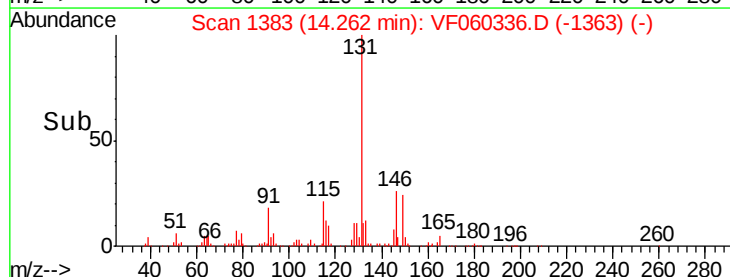
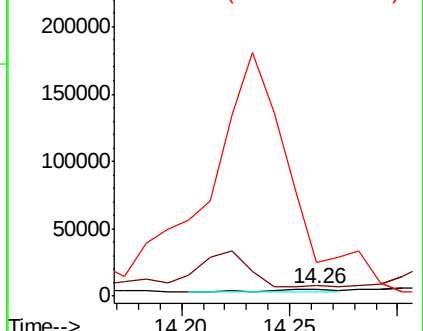
145 484.0 18.9 56.9#

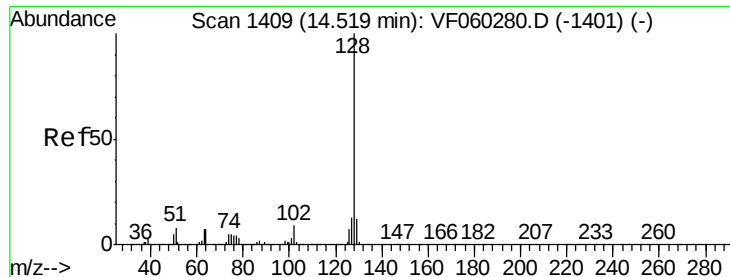


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#95

Naphthalene

Concen: 32.463 ug/l

RT: 14.52 min Scan# 1409

Delta R.T. 0.00 min

Lab File: VF060336.D

Acq: 25 Sep 2018 20:31

Instrument :

MSVOA_F

ClientSampleId :

SU-3A-092418

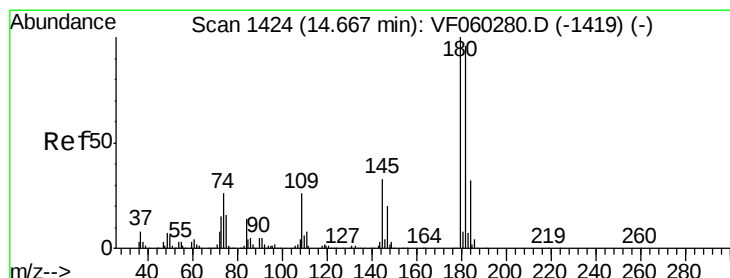
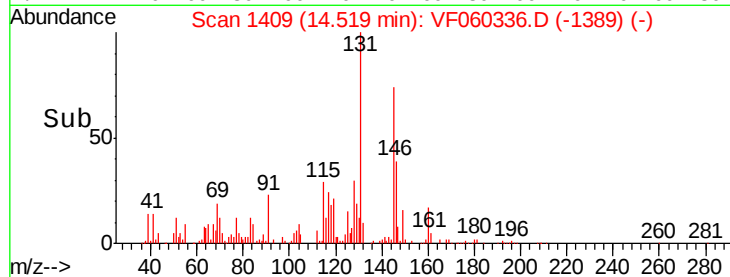
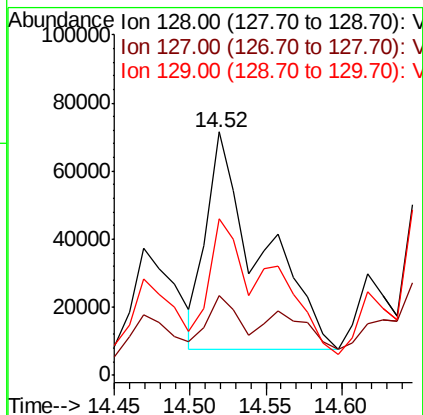
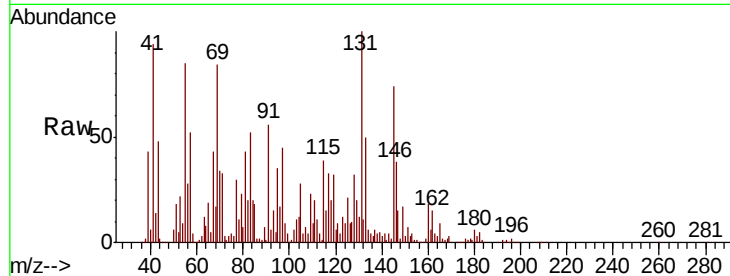
Tgt Ion:128 Resp: 158439

Ion Ratio Lower Upper

128 100

127 32.8 10.1 15.1#

129 64.1 9.8 14.8#



#96

1,2,3-Trichlorobenzene

Concen: 14.641 ug/l

RT: 14.71 min Scan# 1428

Delta R.T. 0.04 min

Lab File: VF060336.D

Acq: 25 Sep 2018 20:31

Tgt Ion:180 Resp: 37660

Ion Ratio Lower Upper

180 100

182 37.2 47.8 143.4#

145 170.3 16.4 49.1#

