

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111618\
 Data File : VF060778.D
 Acq On : 16 Nov 2018 21:43
 Operator : VA/AP
 Sample : J5950-02
 Misc : 4.23g/5mL/MSVOA-F/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SSI-04

Quant Time: Nov 17 04:25:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	98045	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	193519	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.80	117	65525	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	23722	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.86	65	68678	61.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.82%	
35) Dibromofluoromethane	4.13	113	70592	48.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.06%	
50) Toluene-d8	7.57	98	221878	60.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.38%	
62) 4-Bromofluorobenzene	11.31	95	199866	121.92	ug/l	-0.11
Spiked Amount	50.000		Recovery	=	243.84%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	2.57	59	80	1.572	ug/l #	1
13) Acrolein	2.01	56	22004	472.835	ug/l #	1
14) Allyl chloride	2.19	41	75515	53.889	ug/l #	26
15) Acrylonitrile	2.95	53	30632	282.449	ug/l #	39
16) Acetone	2.24	43	46288	193.647	ug/l	100
18) Methyl Acetate	2.38	43	128021	326.168	ug/l #	64
25) 2-Butanone	4.39	43	104070	264.696	ug/l #	64
28) Bromochloromethane	3.74	49	1690	1.985	ug/l #	12
29) Tetrahydrofuran	4.02	42	133172	821.160	ug/l #	1
30) Chloroform	3.87	83	2669	1.016	ug/l #	1
31) Cyclohexane	3.76	56	762561	383.600	ug/l	90
37) Ethyl Acetate	4.03	43	714967	856.862	ug/l #	1
39) Methylcyclohexane	5.48	83	2558732	982.697	ug/l	98
40) Benzene	4.65	78	691737	138.265	ug/l	97
41) Methacrylonitrile	4.69	41	727504	1785.620	ug/l #	49
43) Isopropyl Acetate	6.84	43	1612542	1457.585	ug/l #	48
45) 1,2-Dichloropropane	6.24	63	4265	3.276	ug/l #	1
48) Methyl methacrylate	6.63	41	1201554	1641.062	ug/l #	48
51) 4-Methyl-2-Pentanone	8.32	43	1900771	2375.546	ug/l #	43
52) Toluene	7.64	92	18992	5.665	ug/l #	65
55) 1,1,2-Trichloroethane	8.45	97	404030	421.785	ug/l #	4
56) Ethyl methacrylate	8.69	69	2995437	2753.424	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.65	63	15315	154.108	ug/l	100
59) 2-Hexanone	9.47	43	134007	238.313	ug/l #	32
65) Chlorobenzene	9.79	112	43569	32.951	ug/l #	42
67) Ethyl Benzene	9.95	91	5618720	2254.377	ug/l	89
68) m/p-Xylenes	10.16	106	60499	67.923	ug/l #	64
69) o-Xylene	10.75	106	78318	78.209	ug/l	46
73) Isopropylbenzene	11.15	105	2375569	1244.107	ug/l	96
74) N-amyl acetate	11.33	43	1840349	4233.734	ug/l #	21
75) 1,1,2,2-Tetrachloroethane	11.73	83	450436	1426.831	ug/l #	39
76) 1,2,3-Trichloropropane	11.76	75	10304	43.948	ug/l #	1
77) Bromobenzene	11.45	156	6466	16.268	ug/l #	1
78) n-propylbenzene	11.64	91	4860810	2182.710	ug/l	89

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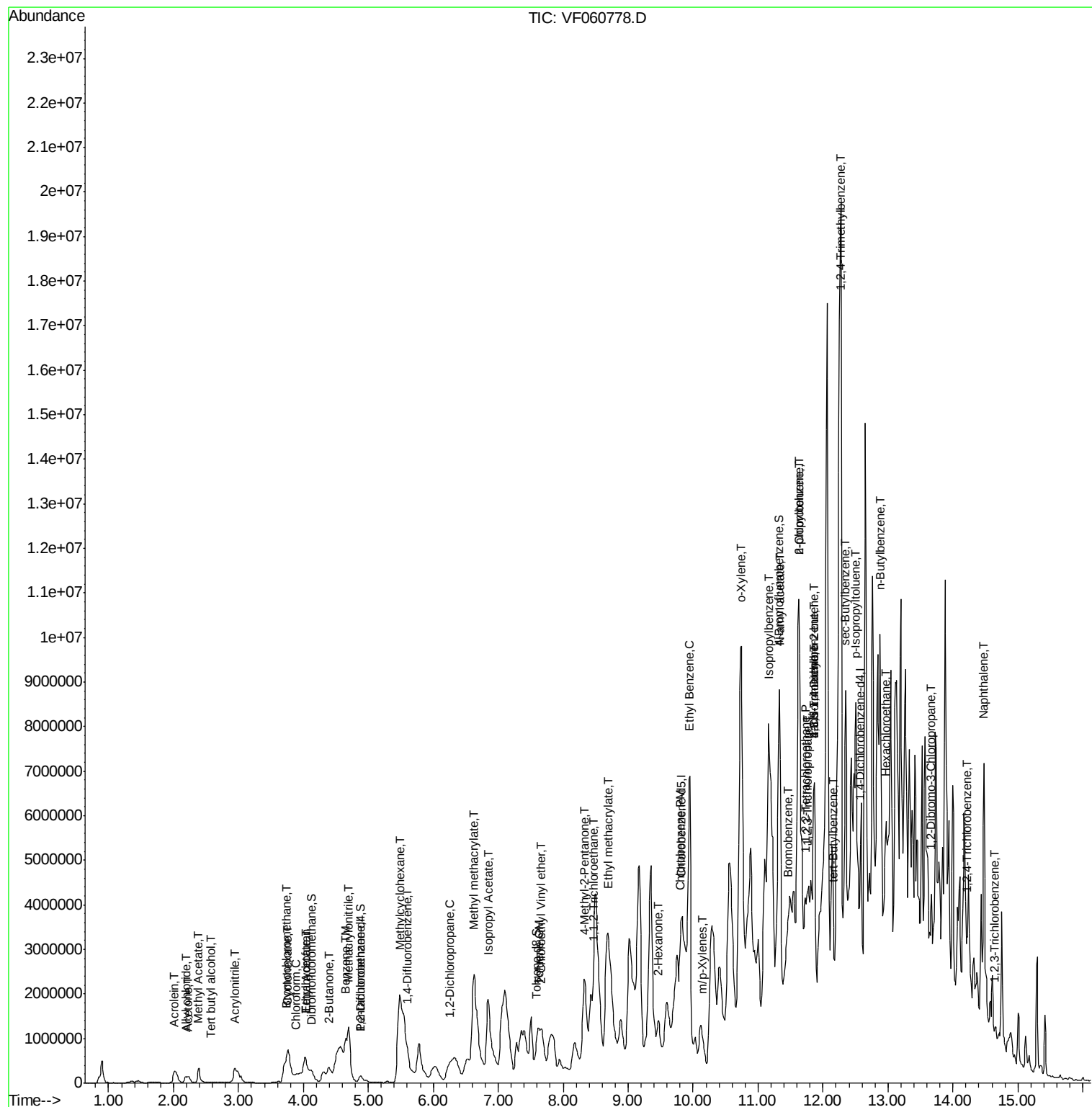
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) 2-Chlorotoluene	11.64	91	4860810	3755.464	ug/l #	41
80) 1,3,5-Trimethylbenzene	11.86	105	2591435	1709.454	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.86	75	38648	335.529	ug/l #	1
82) 4-Chlorotoluene	11.86	91	354548	267.386	ug/l #	45
83) tert-Butylbenzene	12.17	119	129319	80.343	ug/l #	64
84) 1,2,4-Trimethylbenzene	12.26	105	10364920	6611.038	ug/l	75
85) sec-Butylbenzene	12.35	105	2498576	1144.336	ug/l	84
86) p-Isopropyltoluene	12.50	119	1447685	793.867	ug/l #	85
89) n-Butylbenzene	12.88	91	2383153	1280.575	ug/l	92
90) Hexachloroethane	12.96	117	107639	241.327	ug/l #	21
92) 1,2-Dibromo-3-Chloropropan	13.67	75	11078	186.703	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.21	180	5112	9.550	ug/l #	1
95) Naphthalene	14.48	128	3074931	3148.176	ug/l #	87
96) 1,2,3-Trichlorobenzene	14.66	180	14762	29.844	ug/l #	1

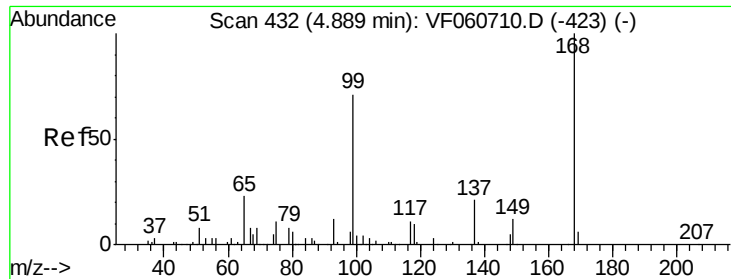
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. 0.00 min

Lab File: VF060778.D

Acq: 16 Nov 2018 21:43

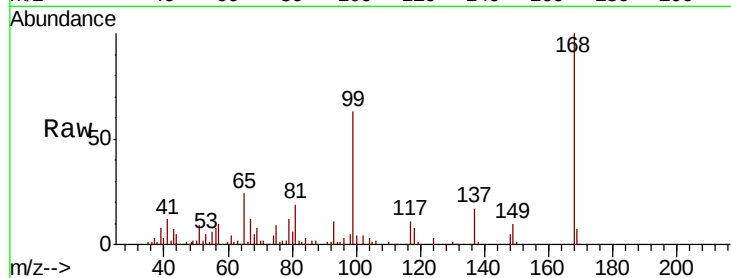
Instrument :
MSVOA_F
ClientSampled :
SSI-04

Tot Ion:168 Resp: 98045

Ion Ratio Lower Upper

168 100

99 62.6 57.2 85.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.89

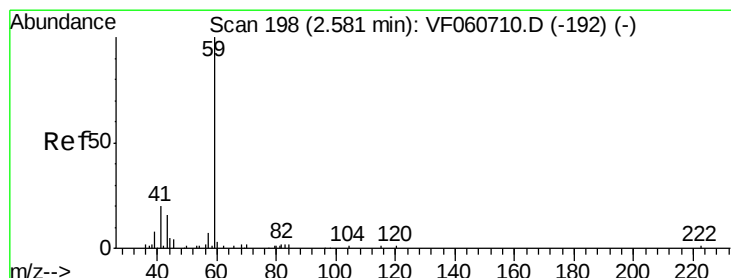
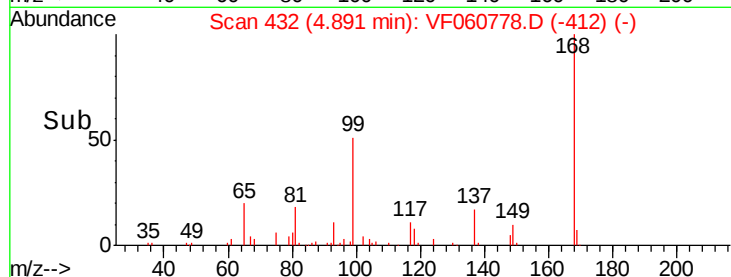
30000

20000

10000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#11

Tert butyl alcohol

Concen: 1.572 ug/l

RT: 2.57 min Scan# 197

Delta R.T. -0.01 min

Lab File: VF060778.D

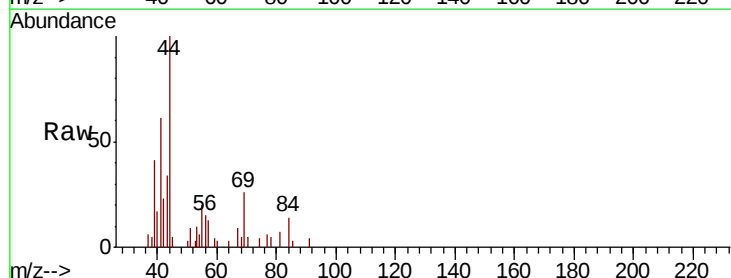
Acq: 16 Nov 2018 21:43

Tgt Ion: 59 Resp: 80

Ion Ratio Lower Upper

59 100

57 330.4 10.5 15.7#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0

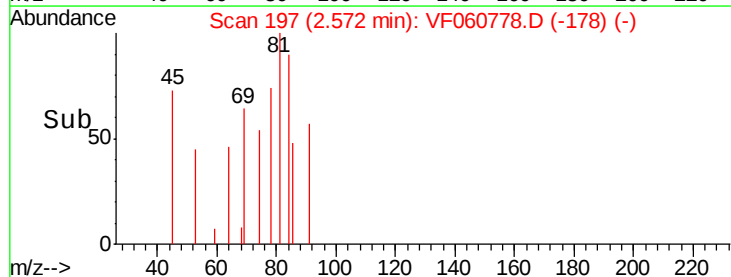
600

400

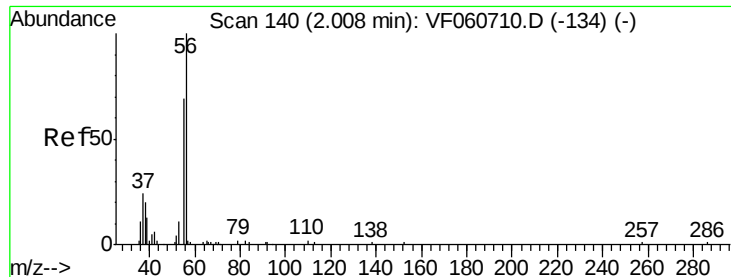
200

0

Time--> 2.54 2.56 2.58 2.60



Time--> 2.54 2.56 2.58 2.60



#13

Acrolein

Concen: 472.835 ug/l

RT: 2.01 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF060778.D

Acq: 16 Nov 2018 21:43

Instrument :

MSVOA_F

ClientSampleId :

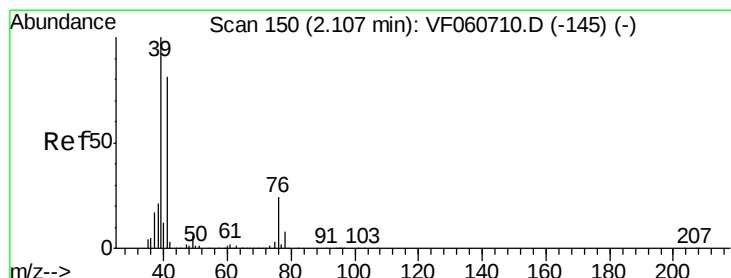
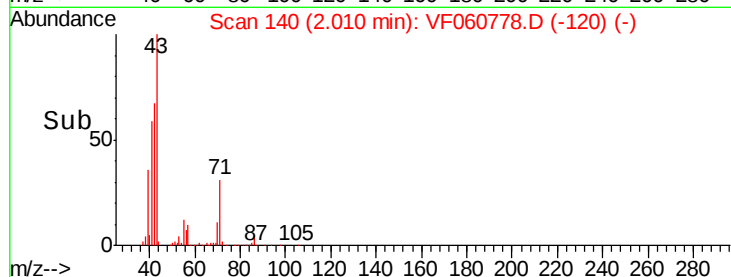
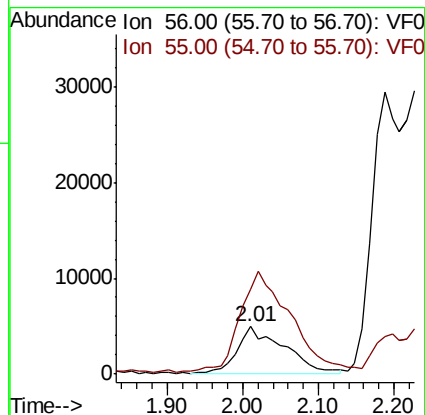
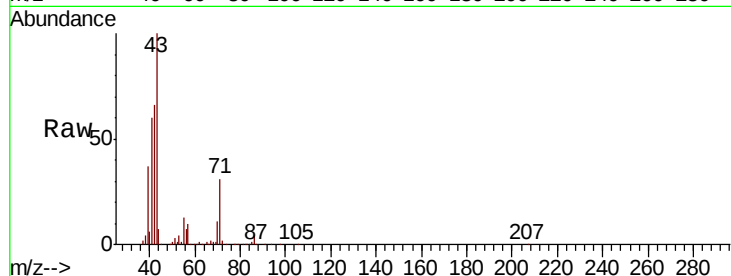
SSI-04

Tot Ion: 56 Resp: 22004

Ion Ratio Lower Upper

56 100

55 179.1 56.6 85.0#



#14

Allyl chloride

Concen: 53.889 ug/l

RT: 2.19 min Scan# 158

Delta R.T. 0.08 min

Lab File: VF060778.D

Acq: 16 Nov 2018 21:43

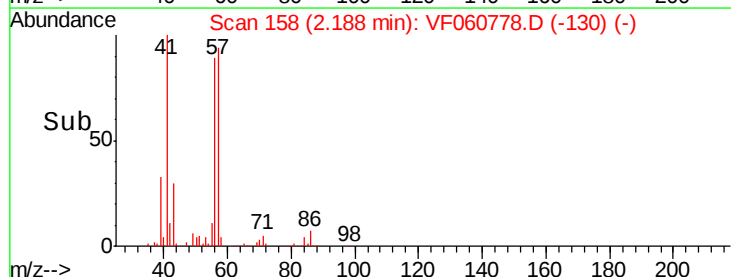
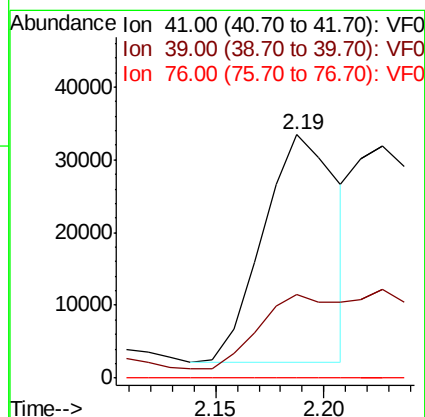
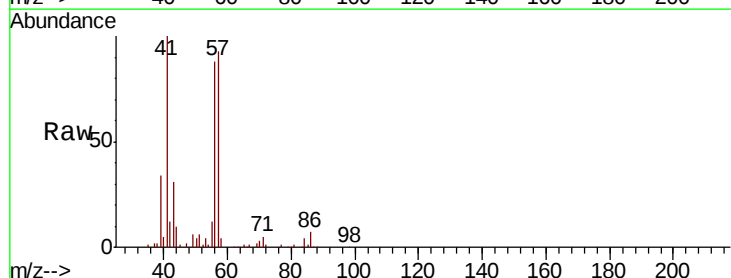
Tgt Ion: 41 Resp: 75515

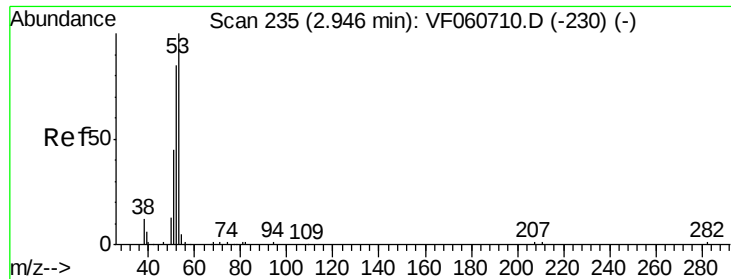
Ion Ratio Lower Upper

41 100

39 34.3 98.5 147.7#

76 0.0 24.5 36.7#





#15

Acrylonitrile

Concen: 282.449 ug/l

RT: 2.95 min Scan# 235

Delta R.T. 0.00 min

Lab File: VF060778.D

Acq: 16 Nov 2018 21:43

Instrument :

MSVOA_F

ClientSampleId :

SSI-04

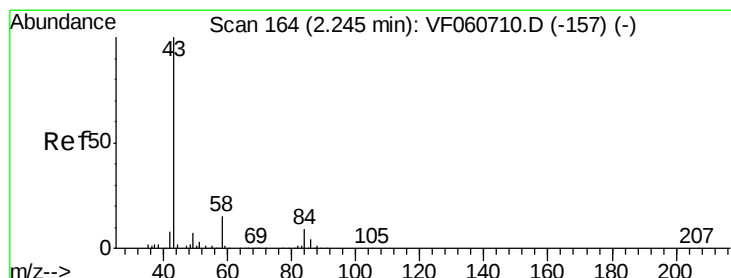
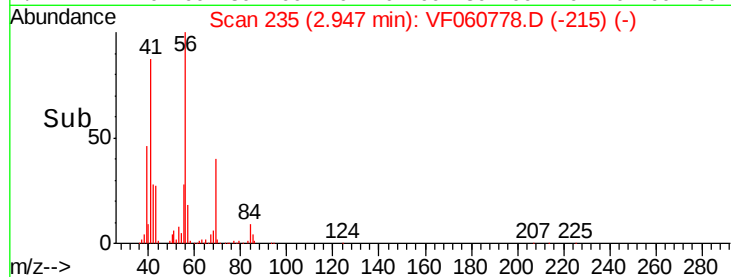
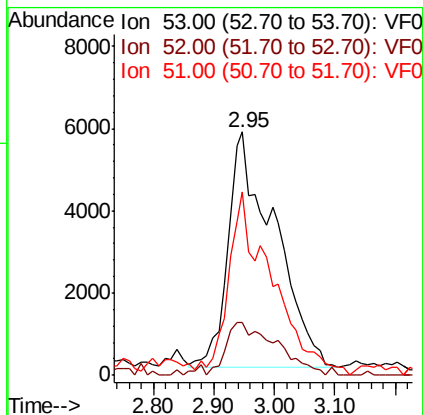
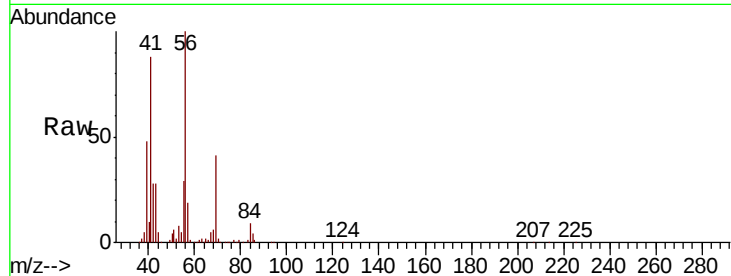
Tot Ion: 53 Resp: 30632

Ion Ratio Lower Upper

53 100

52 21.7 68.8 103.2#

51 75.5 36.7 55.1#



#16

Acetone

Concen: 193.647 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.01 min

Lab File: VF060778.D

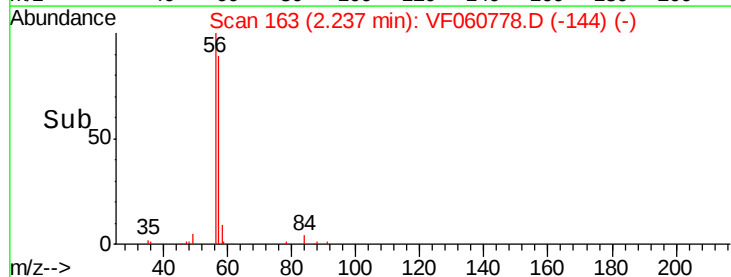
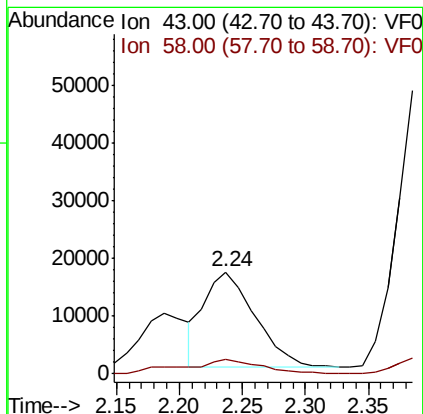
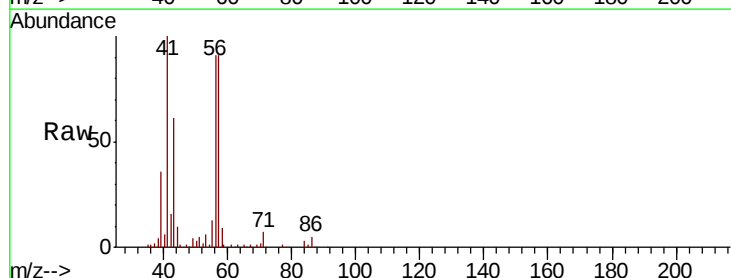
Acq: 16 Nov 2018 21:43

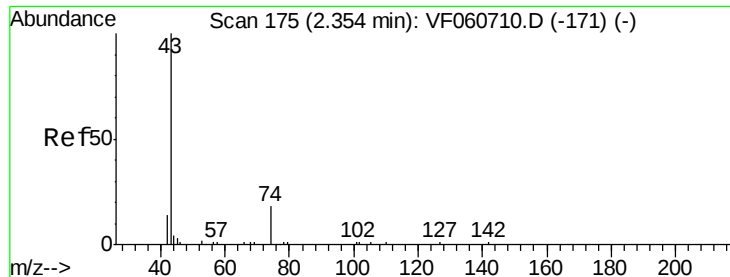
Tgt Ion: 43 Resp: 46288

Ion Ratio Lower Upper

43 100

58 14.7 11.6 17.4

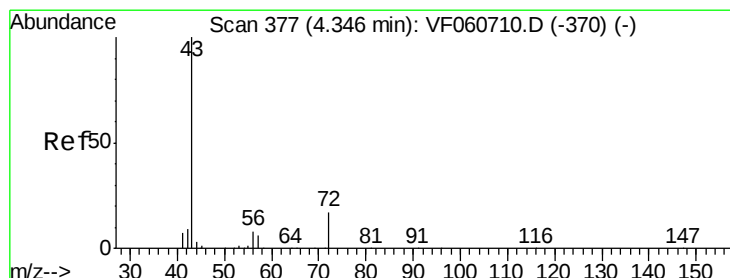
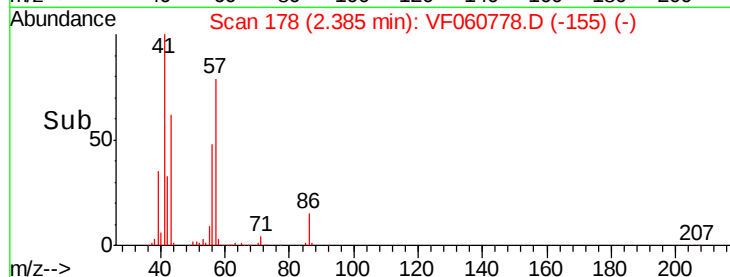
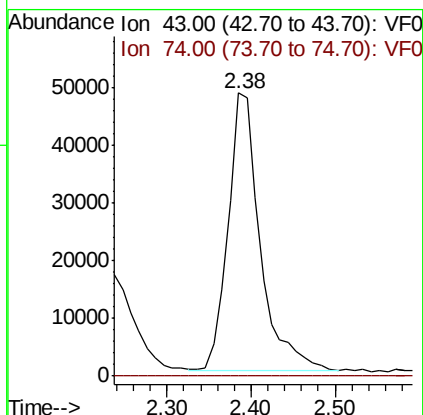
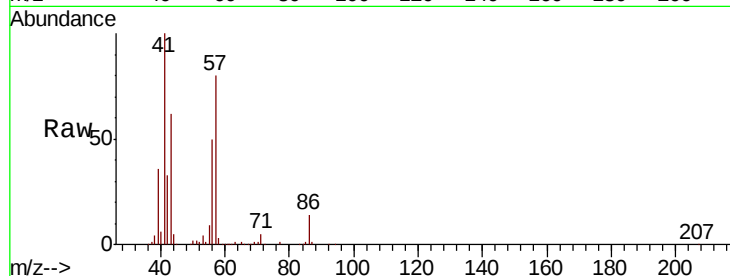




#18
Methyl Acetate
Concen: 326.168 ug/l
RT: 2.38 min Scan# 178
Delta R.T. 0.03 min
Lab File: VF060778.D
Acq: 16 Nov 2018 21:43

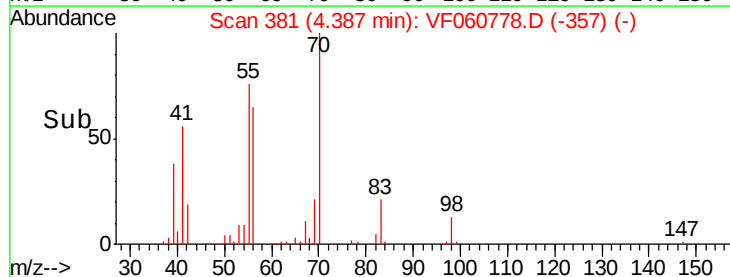
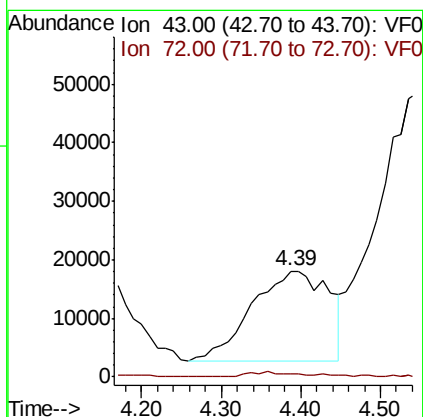
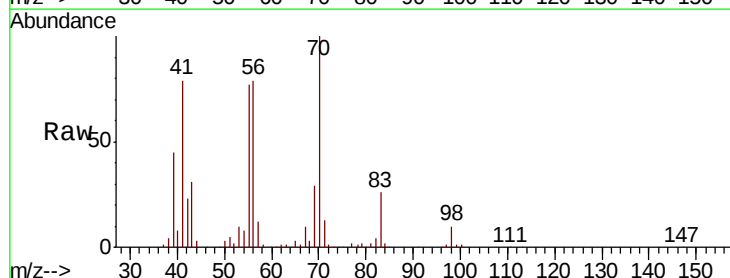
Instrument :
MSVOA_F
ClientSampled :
SSI-04

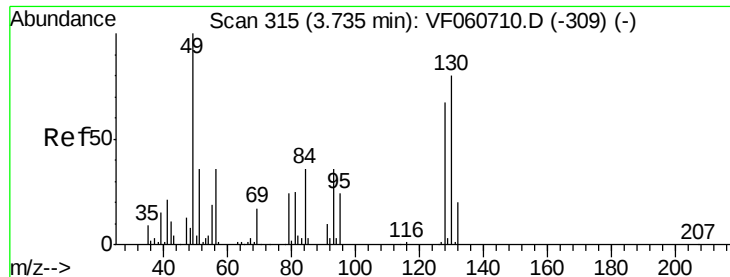
Tot Ion: 43 Resp: 128021
Ion Ratio Lower Upper
43 100
74 0.0 11.8 17.8#



#25
2-Butanone
Concen: 264.696 ug/l
RT: 4.39 min Scan# 381
Delta R.T. 0.04 min
Lab File: VF060778.D
Acq: 16 Nov 2018 21:43

Tgt Ion: 43 Resp: 104070
Ion Ratio Lower Upper
43 100
72 3.4 16.1 24.1#





#28

Bromochloromethane

Concen: 1.985 ug/l

RT: 3.74 min Scan# 315

Delta R.T. 0.00 min

Lab File: VF060778.D

Acq: 16 Nov 2018 21:43

Instrument :
MSVOA_F
ClientSampled :
SSI-04

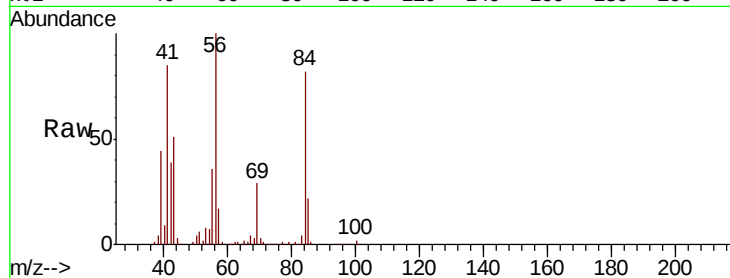
Tot Ion: 49 Resp: 1690

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.2

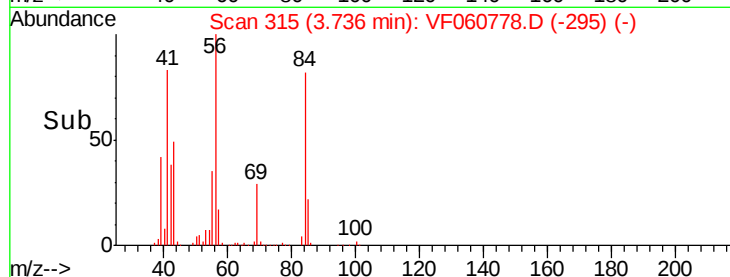
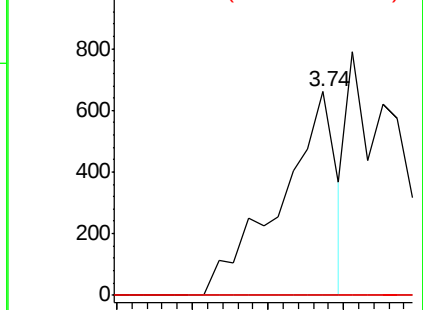
130 0.0 63.9 95.9#



Abundance Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V



#29

Tetrahydrofuran

Concen: 821.160 ug/l

RT: 4.02 min Scan# 344

Delta R.T. -0.07 min

Lab File: VF060778.D

Acq: 16 Nov 2018 21:43

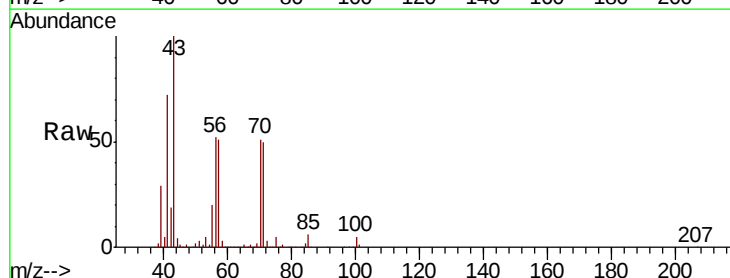
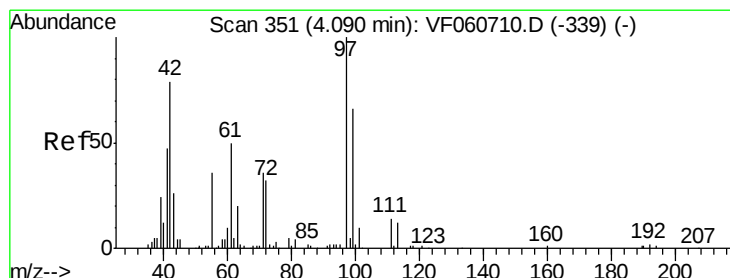
Tgt Ion: 42 Resp: 133172

Ion Ratio Lower Upper

42 100

72 15.6 30.3 45.5#

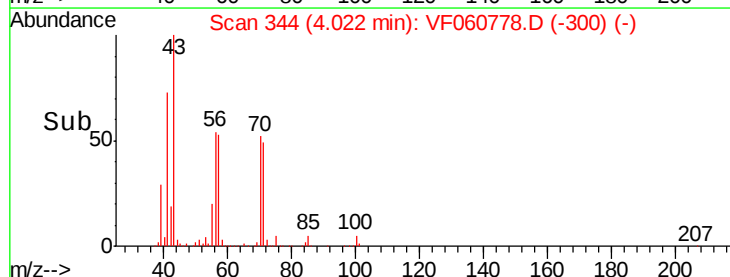
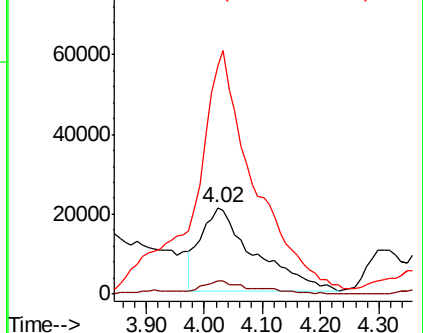
71 321.9 32.2 48.2#

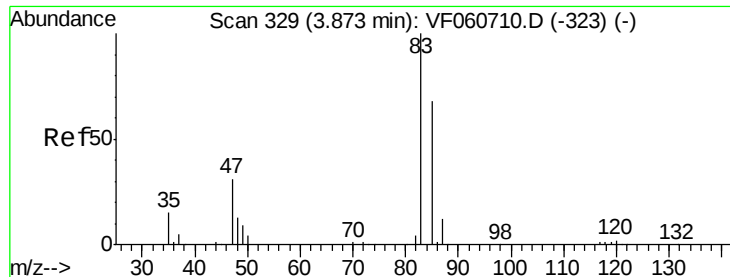


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0

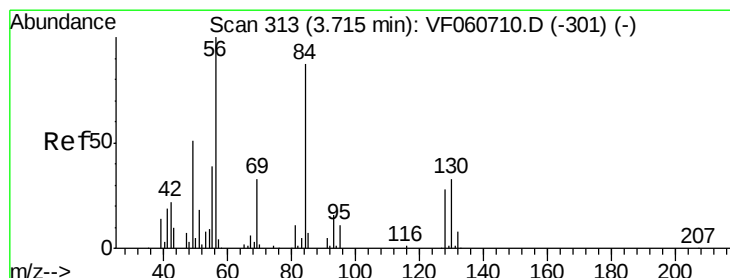
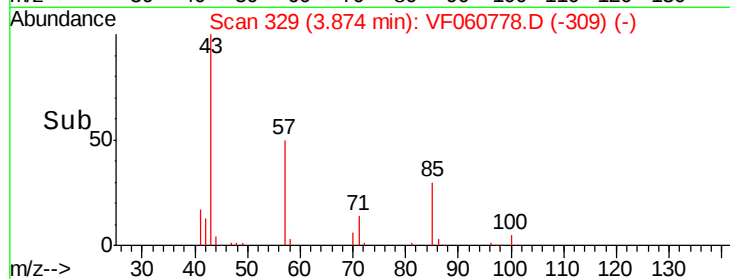
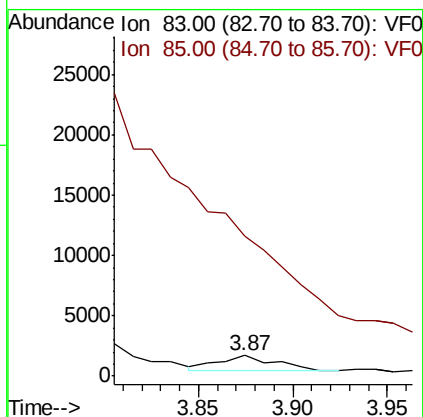
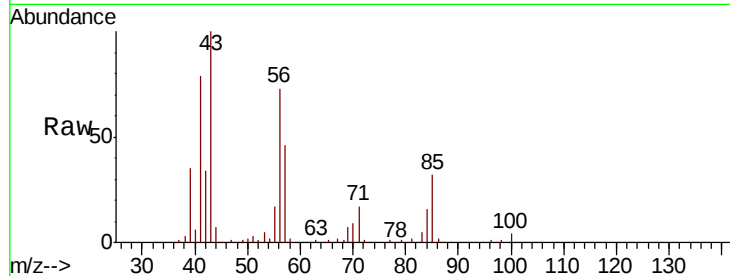




#30
Chloroform
Concen: 1.016 ug/l
RT: 3.87 min Scan# 329
Delta R.T. 0.00 min
Lab File: VF060778.D
Acq: 16 Nov 2018 21:43

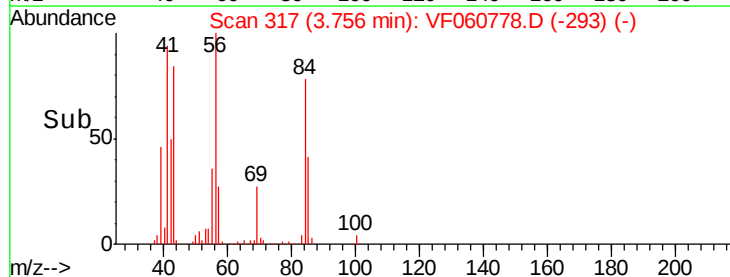
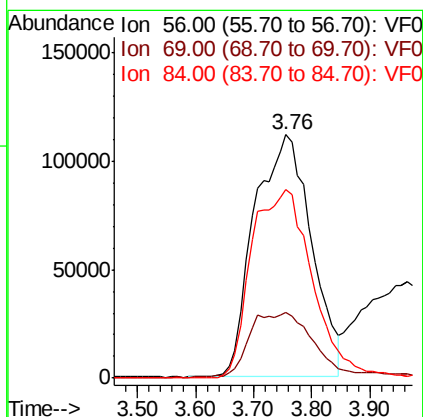
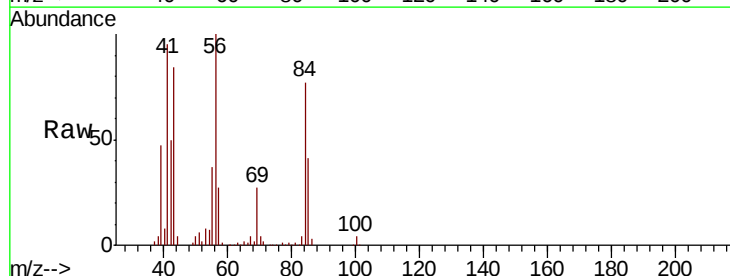
Instrument :
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ClientSampled :
SSI-04

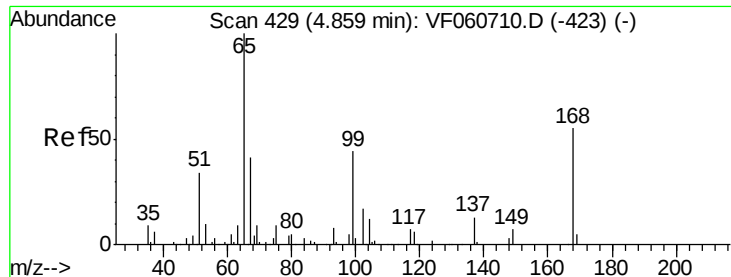
Tot Ion: 83 Resp: 2669
Ion Ratio Lower Upper
83 100
85 671.7 54.6 82.0#



#31
Cyclohexane
Concen: 383.600 ug/l
RT: 3.76 min Scan# 317
Delta R.T. 0.04 min
Lab File: VF060778.D
Acq: 16 Nov 2018 21:43

Tgt Ion: 56 Resp: 762561
Ion Ratio Lower Upper
56 100
69 26.9 26.0 39.0
84 77.4 69.4 104.2





#33

1,2-Dichloroethane-d4

Concen: 61.412 ug/l

RT: 4.86 min Scan# 429

Delta R.T. 0.00 min

Lab File: VF060778.D

Acq: 16 Nov 2018 21:43

Instrument :

MSVOA_F

ClientSampled :

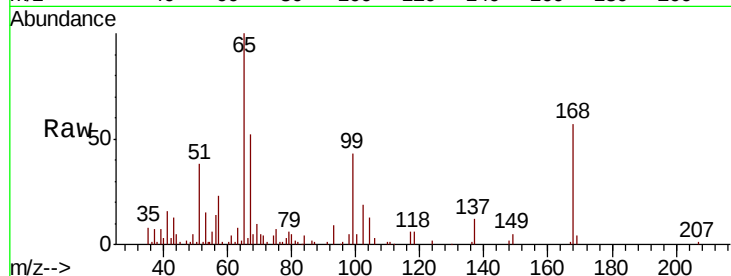
SSI-04

Tot Ion: 65 Resp: 68678

Ion Ratio Lower Upper

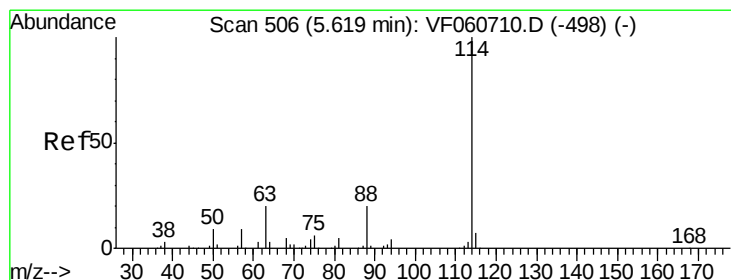
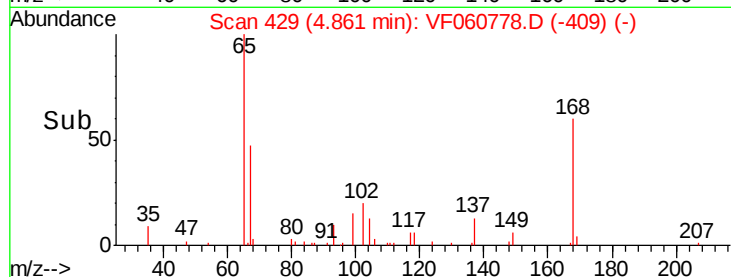
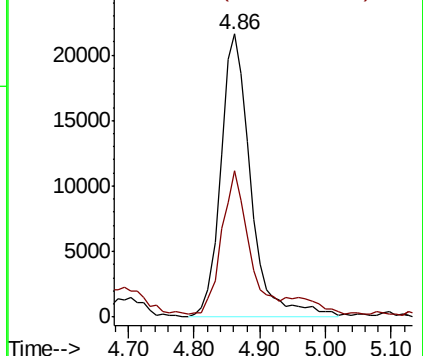
65 100

67 51.5 0.0 90.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. -0.01 min

Lab File: VF060778.D

Acq: 16 Nov 2018 21:43

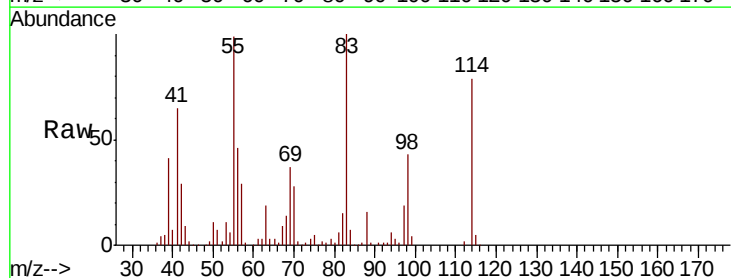
Tgt Ion: 114 Resp: 193519

Ion Ratio Lower Upper

114 100

63 23.5 0.0 40.8

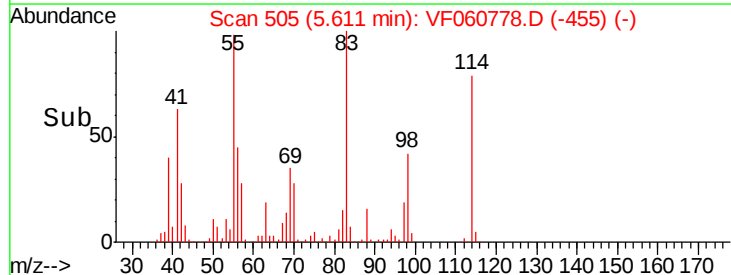
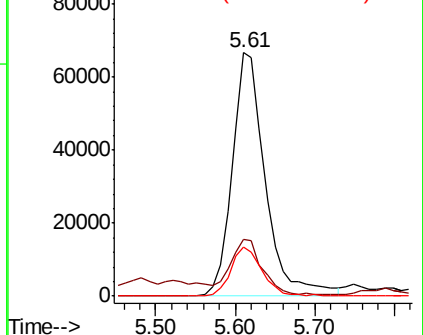
88 19.9 0.0 39.6

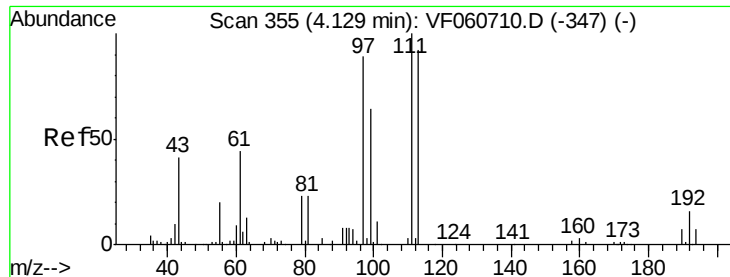


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

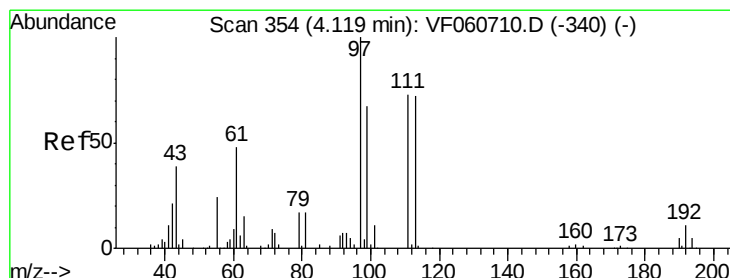
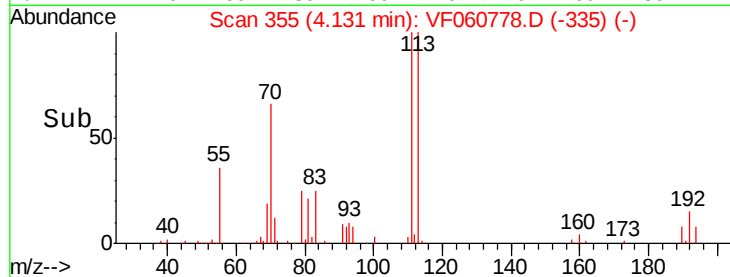
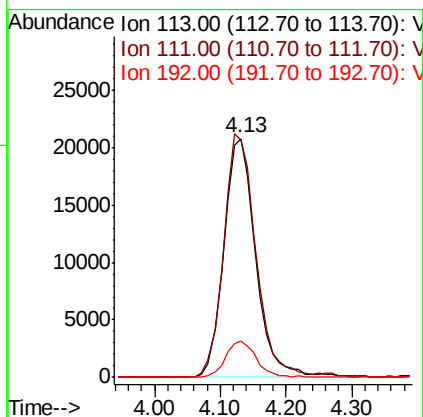
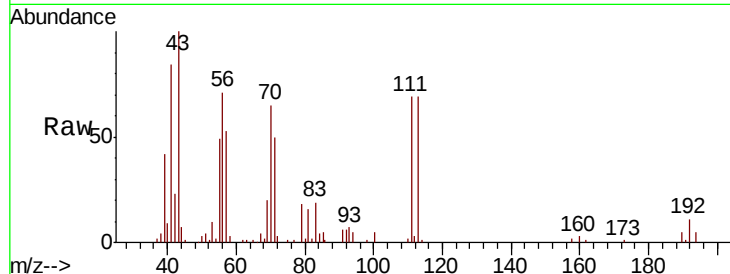




#35
 Dibromofluoromethane
 Concen: 48.528 ug/l
 RT: 4.13 min Scan# 355
 Delta R.T. 0.00 min
 Lab File: VF060778.D
 Acq: 16 Nov 2018 21:43

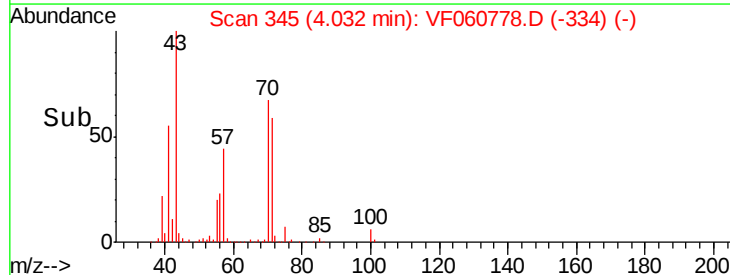
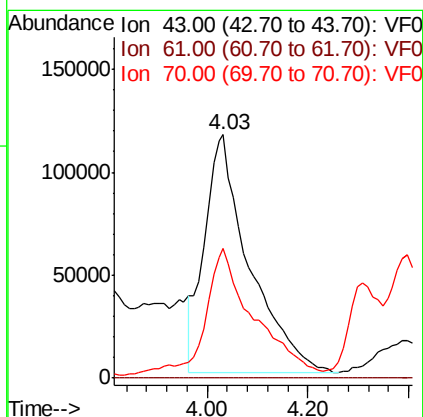
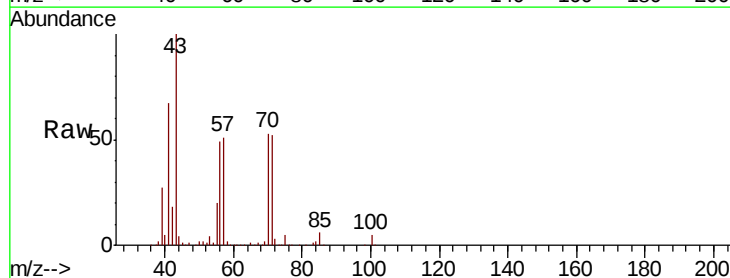
Instrument :
 MSVOA_F
 ClientSampled :
 SSI-04

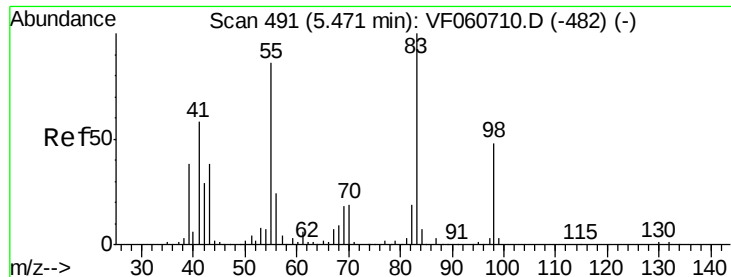
Tot Ion:113 Resp: 70592
 Ion Ratio Lower Upper
 113 100
 111 99.6 87.1 130.7
 192 15.2 13.8 20.6



#37
 Ethyl Acetate
 Concen: 856.862 ug/l
 RT: 4.03 min Scan# 345
 Delta R.T. -0.09 min
 Lab File: VF060778.D
 Acq: 16 Nov 2018 21:43

Tgt Ion: 43 Resp: 714967
 Ion Ratio Lower Upper
 43 100
 61 0.1 98.5 147.7#
 70 53.0 7.4 11.0#

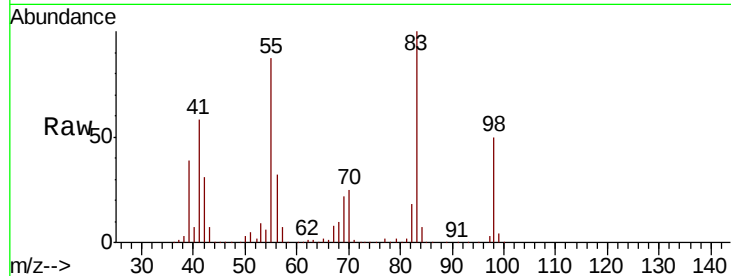




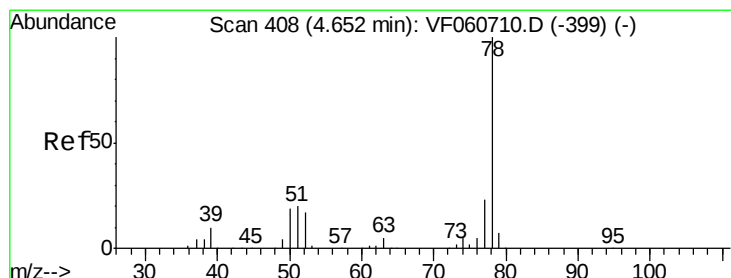
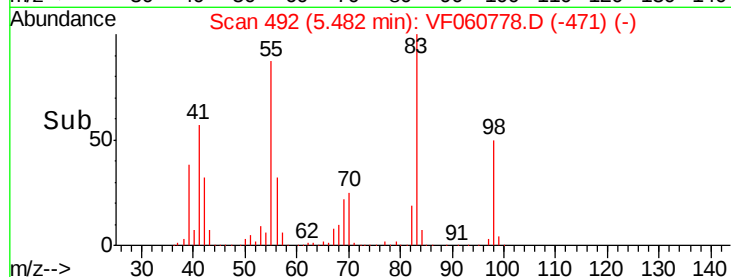
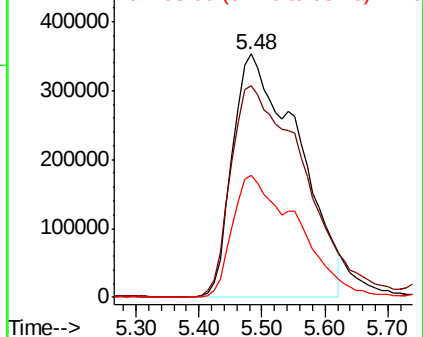
#39
Methylcyclohexane
Concen: 982.697 ug/l
RT: 5.48 min Scan# 492
Delta R.T. 0.01 min
Lab File: VF060778.D
Acq: 16 Nov 2018 21:43

Instrument :
MSVOA_F
ClientSampled :
SSI-04

Tot Ion: 83 Resp: 2558732
Ion Ratio Lower Upper
83 100
55 86.9 69.0 103.4
98 50.3 38.5 57.7

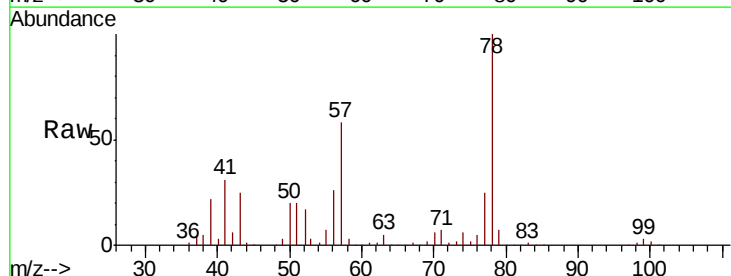


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

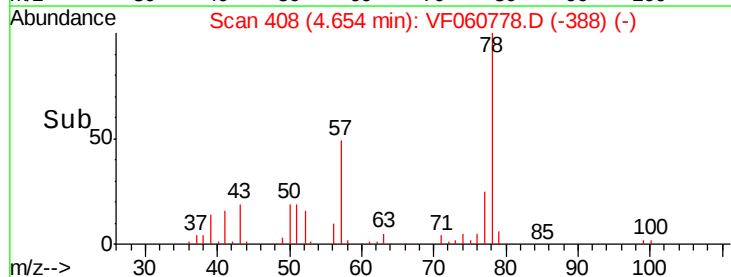
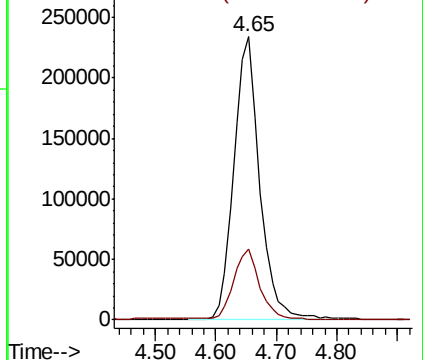


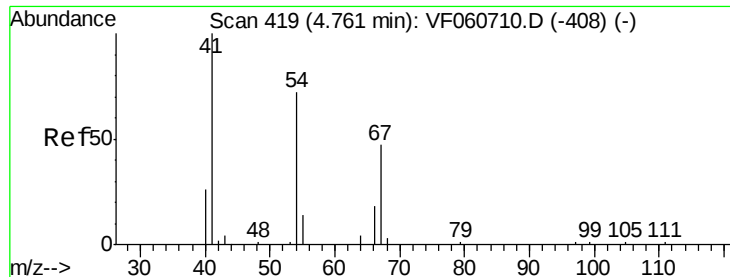
#40
Benzene
Concen: 138.265 ug/l
RT: 4.65 min Scan# 408
Delta R.T. 0.00 min
Lab File: VF060778.D
Acq: 16 Nov 2018 21:43

Tgt Ion: 78 Resp: 691737
Ion Ratio Lower Upper
78 100
77 24.9 18.6 28.0



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0





#41

Methacrylonitrile

Concen: 1785.620 ug/l

RT: 4.69 min Scan# 412

Delta R.T. -0.07 min

Lab File: VF060778.D

Acq: 16 Nov 2018 21:43

Instrument :

MSVOA_F

ClientSampleId :

SSI-04

Tot Ion: 41 Resp: 727504

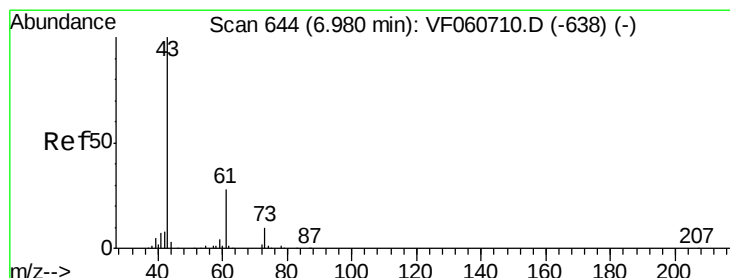
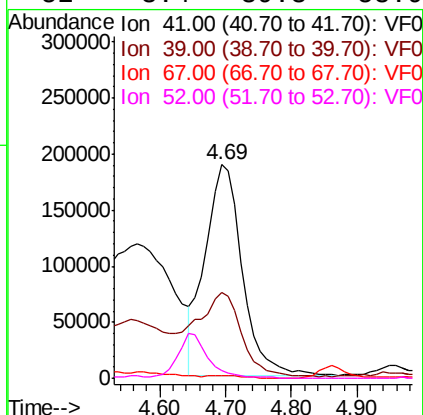
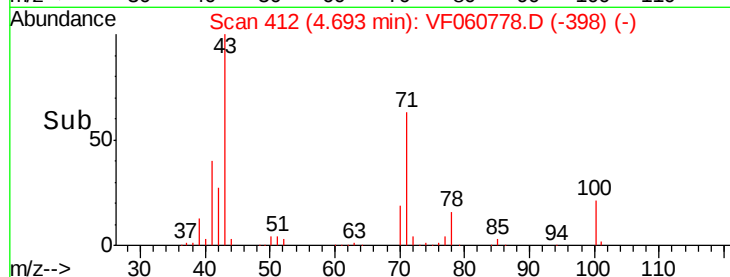
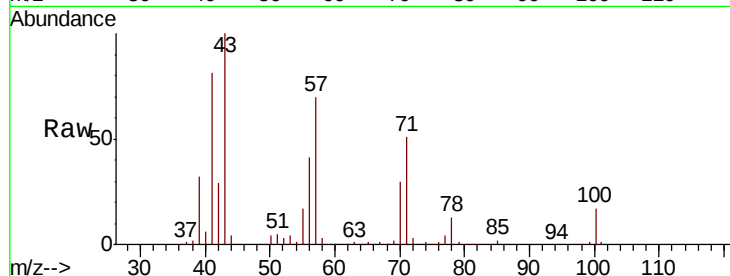
Ion Ratio Lower Upper

41 100

39 39.9 47.1 70.7#

67 1.2 37.1 55.7#

52 3.4 39.3 58.9#



#43

Isopropyl Acetate

Concen: 1457.585 ug/l

RT: 6.84 min Scan# 630

Delta R.T. -0.14 min

Lab File: VF060778.D

Acq: 16 Nov 2018 21:43

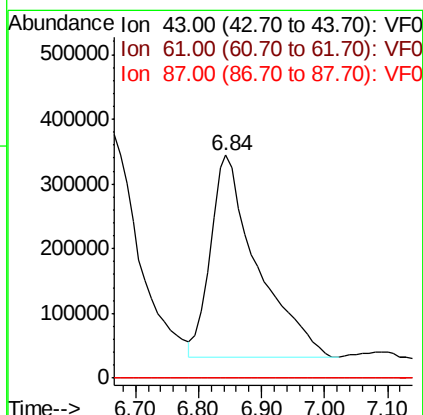
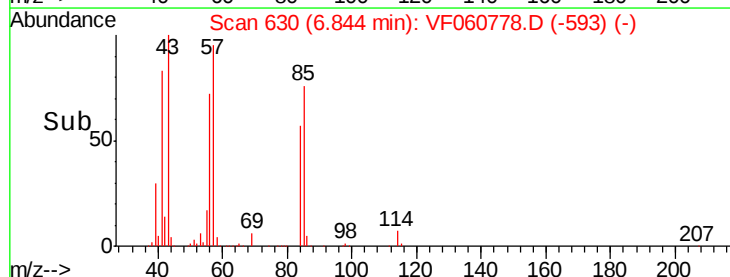
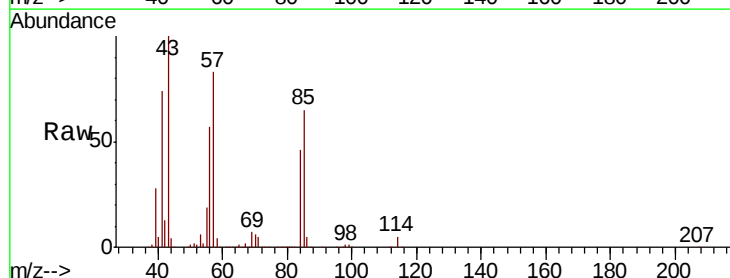
Tgt Ion: 43 Resp: 1612542

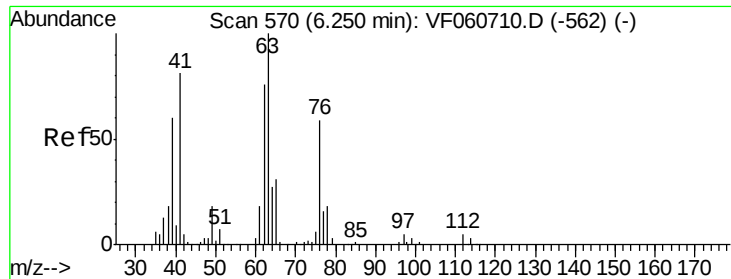
Ion Ratio Lower Upper

43 100

61 0.0 22.2 33.4#

87 0.1 0.4 0.6#





#45

1,2-Dichloropropane

Concen: 3.276 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.01 min

Lab File: VF060778.D

Acq: 16 Nov 2018 21:43

Instrument :

MSVOA_F

ClientSampleId :

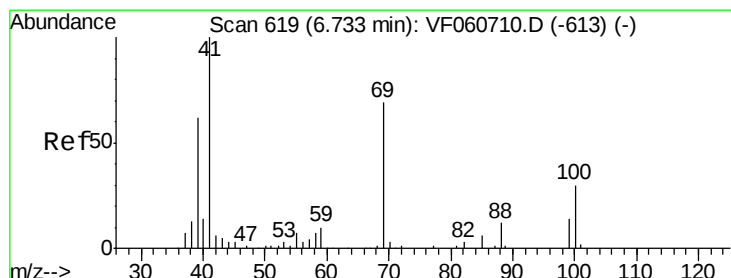
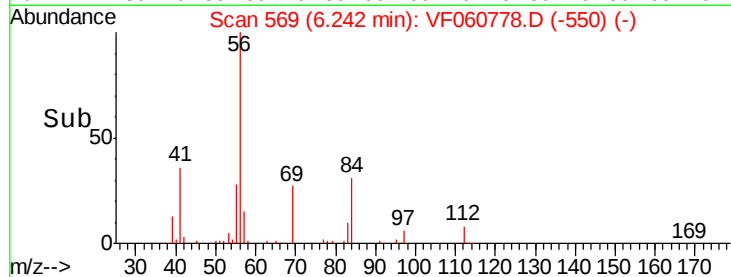
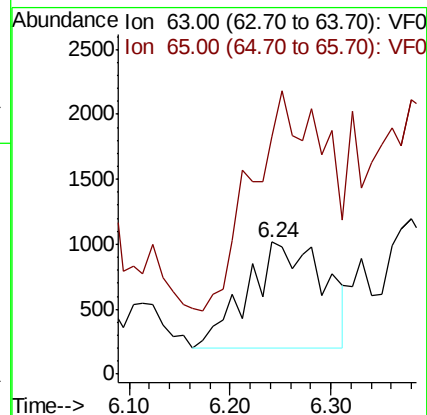
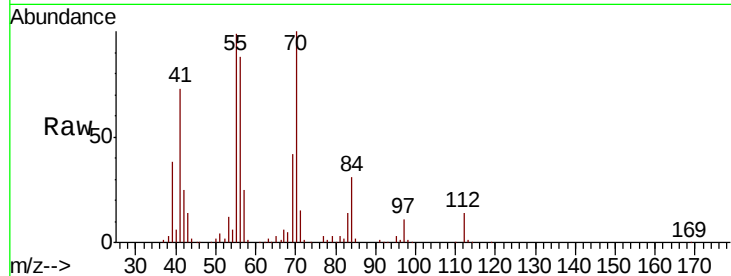
SSI-04

Tot Ion: 63 Resp: 4265

Ion Ratio Lower Upper

63 100

65 179.4 24.6 36.8#



#48

Methyl methacrylate

Concen: 1641.062 ug/l

RT: 6.63 min Scan# 608

Delta R.T. -0.11 min

Lab File: VF060778.D

Acq: 16 Nov 2018 21:43

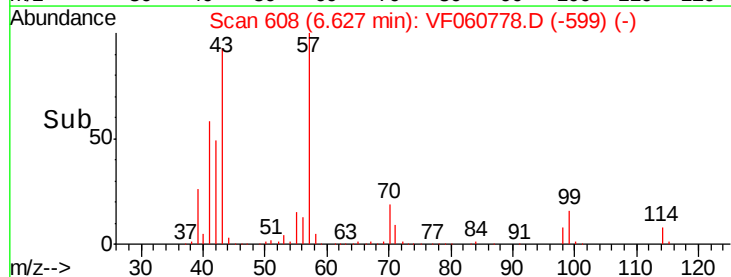
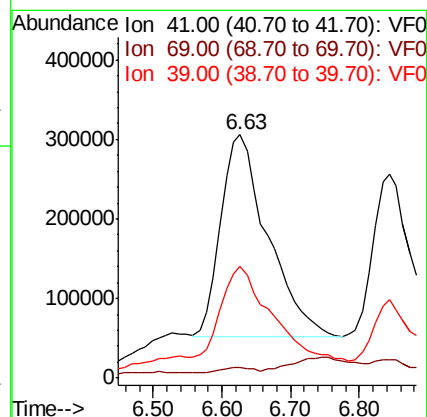
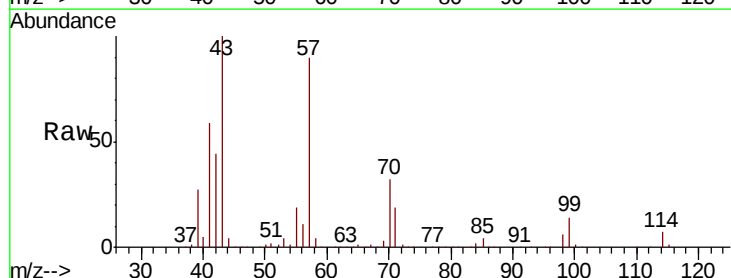
Tgt Ion: 41 Resp: 1201554

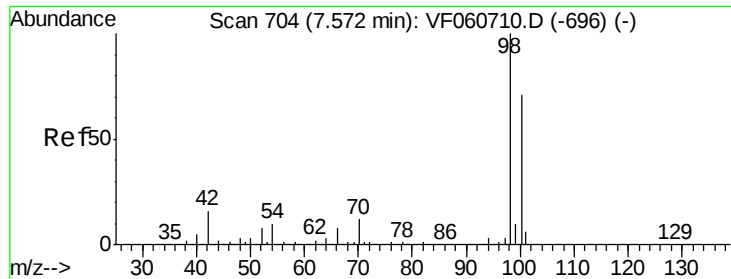
Ion Ratio Lower Upper

41 100

69 4.4 54.9 82.3#

39 45.9 49.6 74.4#

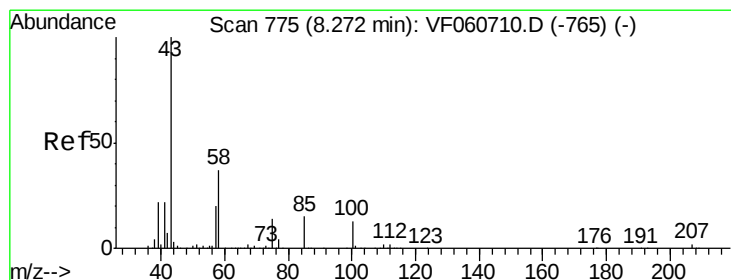
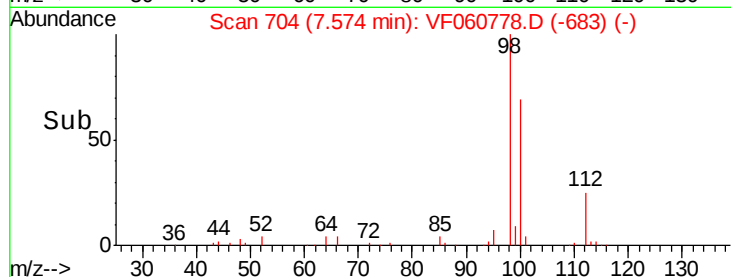
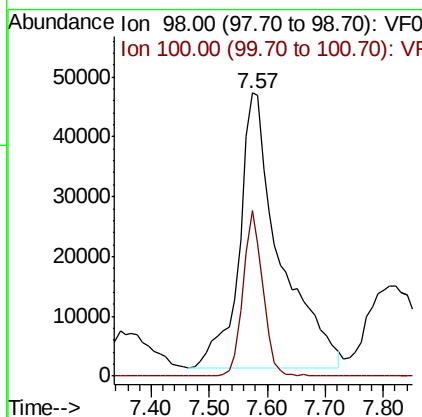
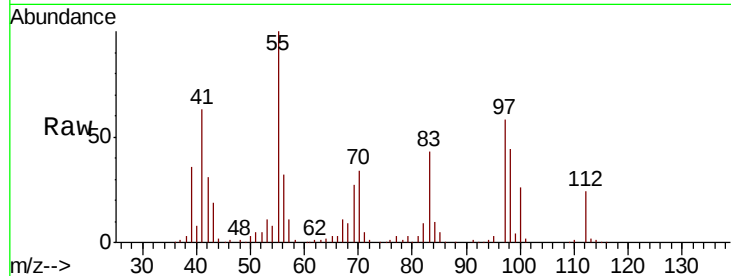




#50
Toluene-d8
Concen: 60.188 ug/l
RT: 7.57 min Scan# 704
Delta R.T. 0.00 min
Lab File: VF060778.D
Acq: 16 Nov 2018 21:43

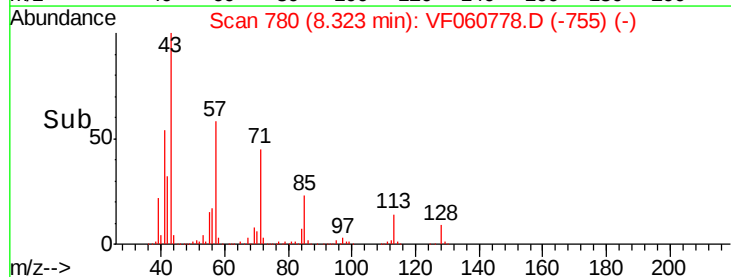
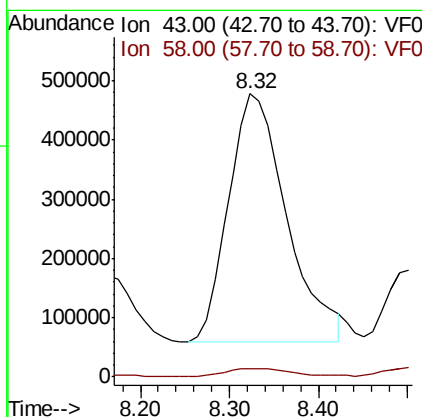
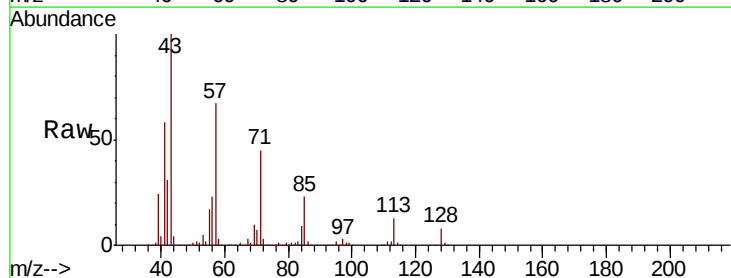
Instrument :
MSVOA_F
ClientSampled :
SSI-04

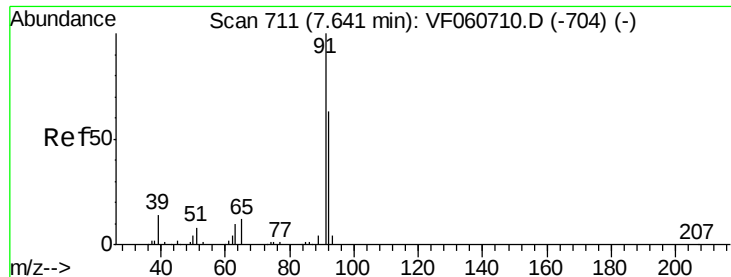
Tot Ion: 98 Resp: 221878
Ion Ratio Lower Upper
98 100
100 58.5 56.5 84.7



#51
4-Methyl-2-Pentanone
Concen: 2375.546 ug/l
RT: 8.32 min Scan# 780
Delta R.T. 0.05 min
Lab File: VF060778.D
Acq: 16 Nov 2018 21:43

Tgt Ion: 43 Resp: 1900771
Ion Ratio Lower Upper
43 100
58 3.0 29.2 43.8#





#52

Toluene

Concen: 5.665 ug/l

RT: 7.64 min Scan# 711

Delta R.T. 0.00 min

Lab File: VF060778.D

Acq: 16 Nov 2018 21:43

Instrument :

MSVOA_F

ClientSampled :

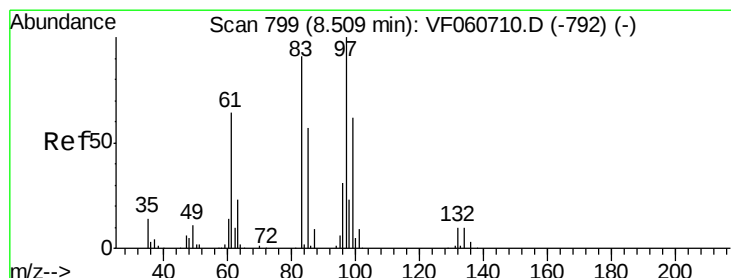
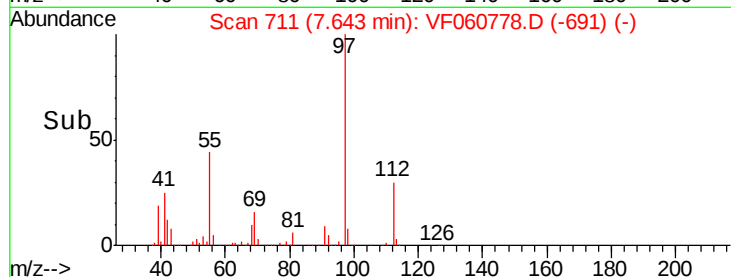
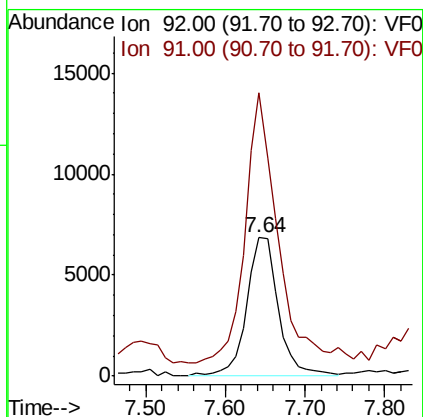
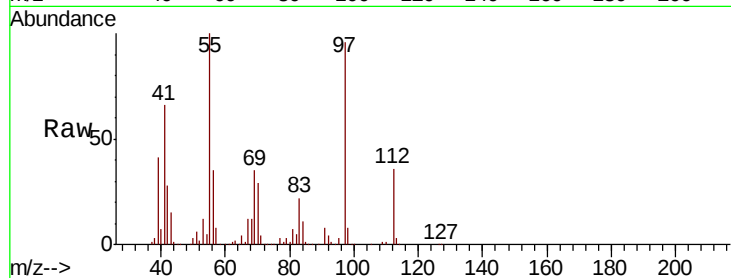
SSI-04

Tot Ion: 92 Resp: 18992

Ion Ratio Lower Upper

92 100

91 204.9 126.7 190.1#



#55

1,1,2-Trichloroethane

Concen: 421.785 ug/l

RT: 8.45 min Scan# 793

Delta R.T. -0.06 min

Lab File: VF060778.D

Acq: 16 Nov 2018 21:43

Tgt Ion: 97 Resp: 404030

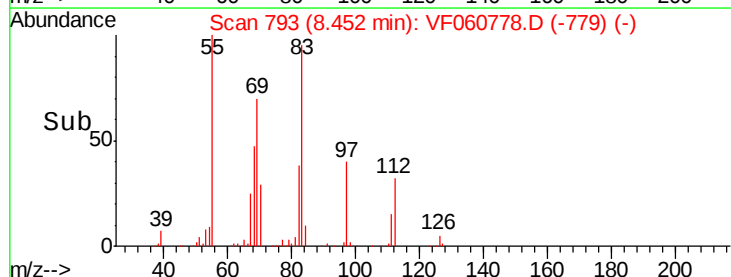
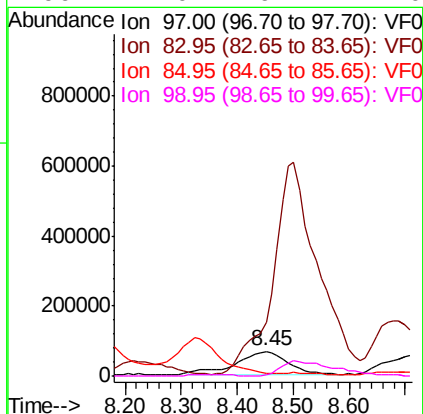
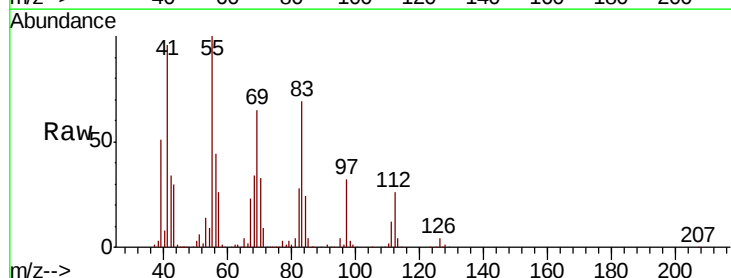
Ion Ratio Lower Upper

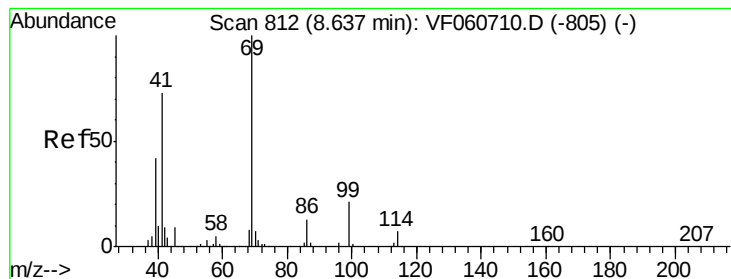
97 100

83 216.8 72.8 109.2#

85 12.1 45.8 68.6#

99 4.0 49.4 74.0#





#56

Ethyl methacrylate

Concen: 2753.424 ug/l

RT: 8.69 min Scan# 817

Delta R.T. 0.05 min

Lab File: VF060778.D

Acq: 16 Nov 2018 21:43

Instrument :

MSVOA_F

ClientSampled :

SSI-04

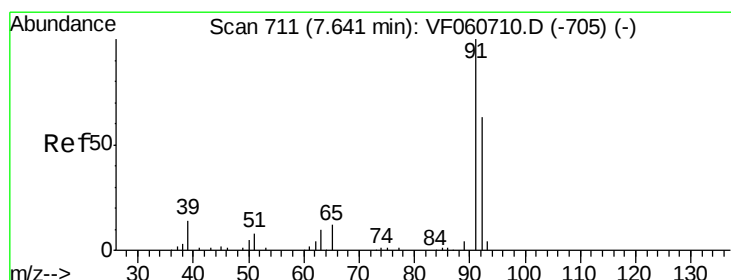
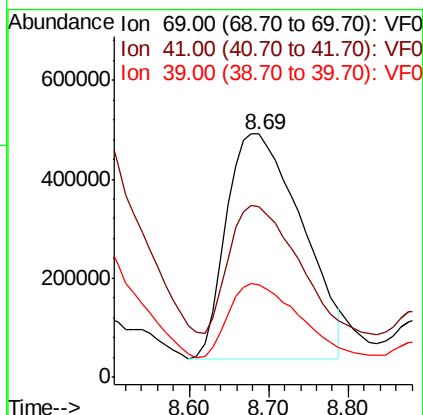
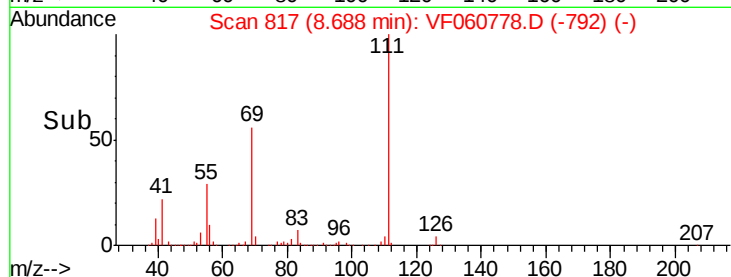
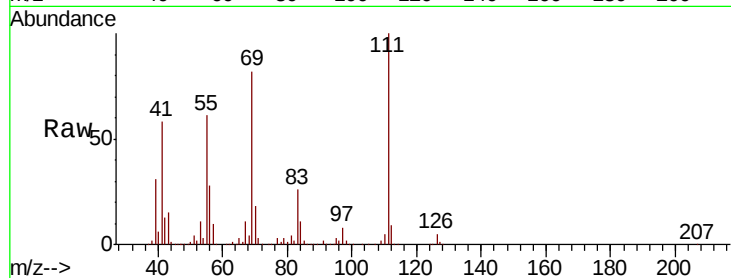
Tot Ion: 69 Resp: 2995437

Ion Ratio Lower Upper

69 100

41 70.1 59.0 88.6

39 38.2 34.0 51.0



#58

2-Chloroethyl Vinyl ether

Concen: 154.108 ug/l

RT: 7.65 min Scan# 712

Delta R.T. 0.01 min

Lab File: VF060778.D

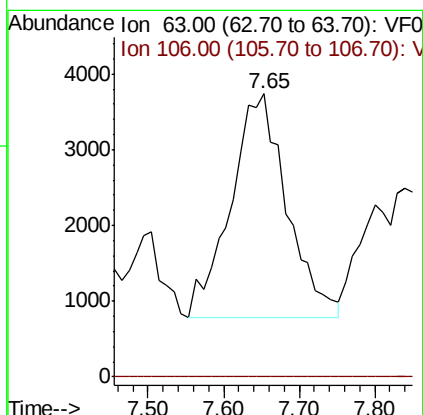
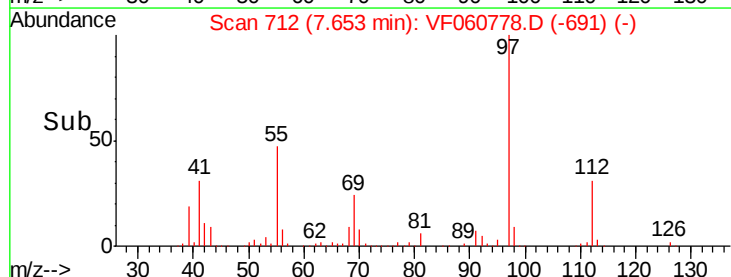
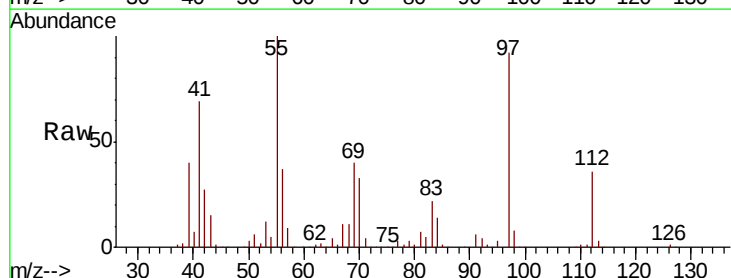
Acq: 16 Nov 2018 21:43

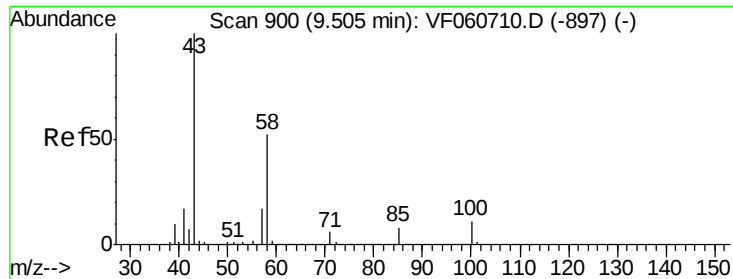
Tgt Ion: 63 Resp: 15315

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

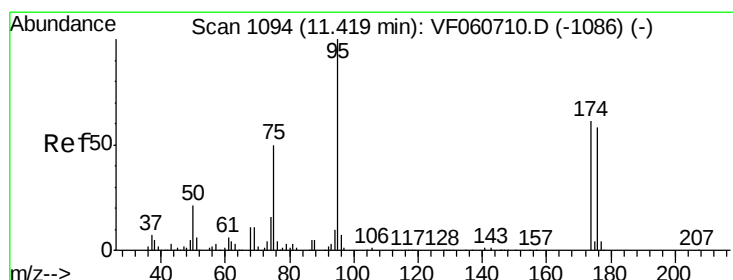
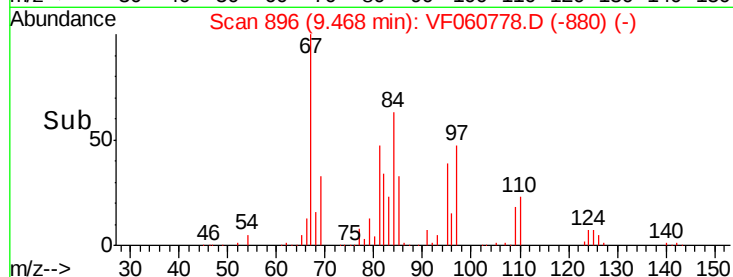
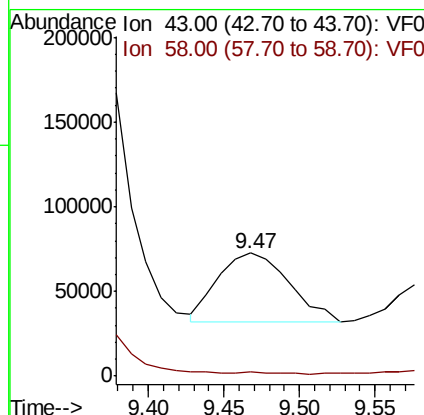
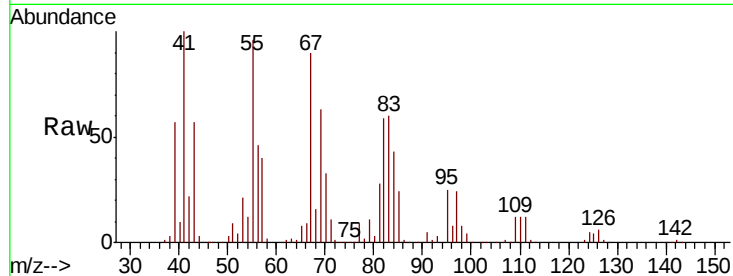




#59
2-Hexanone
Concen: 238.313 ug/l
RT: 9.47 min Scan# 896
Delta R.T. -0.04 min
Lab File: VF060778.D
Acq: 16 Nov 2018 21:43

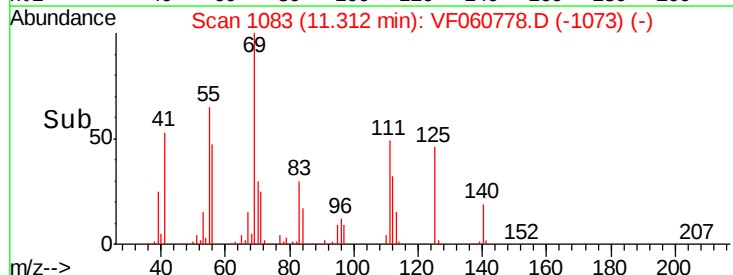
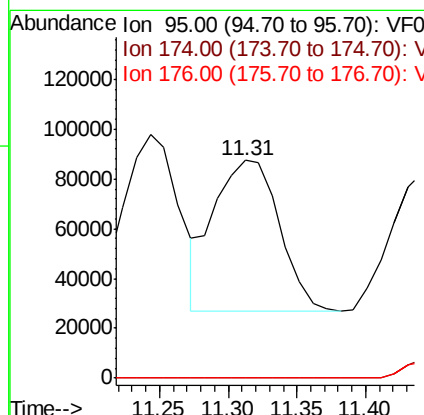
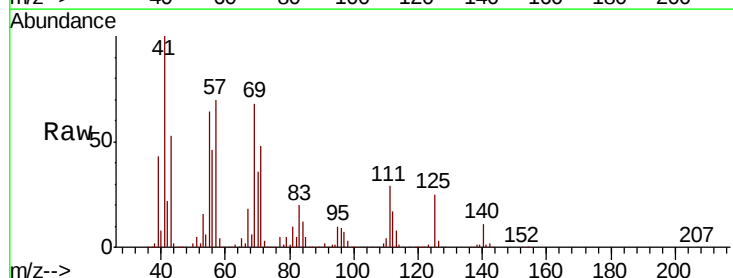
Instrument :
MSVOA_F
ClientSampleId :
SSI-04

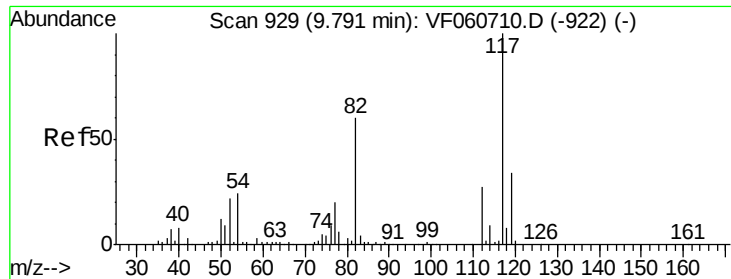
Tot Ion: 43 Resp: 134007
Ion Ratio Lower Upper
43 100
58 3.0 24.9 74.7#



#62
4-Bromofluorobenzene
Concen: 121.924 ug/l
RT: 11.31 min Scan# 1083
Delta R.T. -0.11 min
Lab File: VF060778.D
Acq: 16 Nov 2018 21:43

Tgt Ion: 95 Resp: 199866
Ion Ratio Lower Upper
95 100
174 0.0 0.0 121.6
176 0.0 0.0 115.2

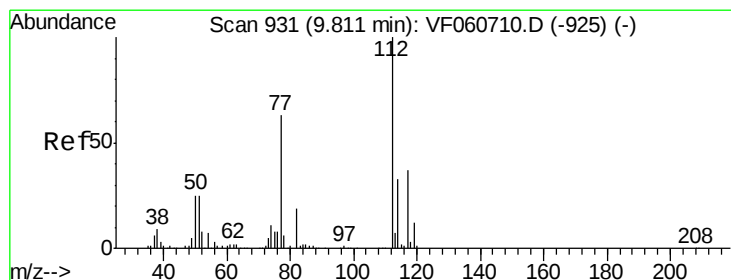
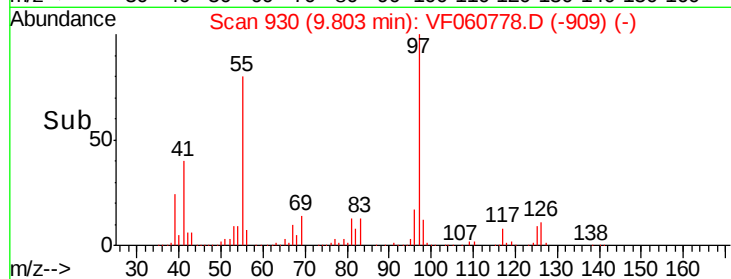
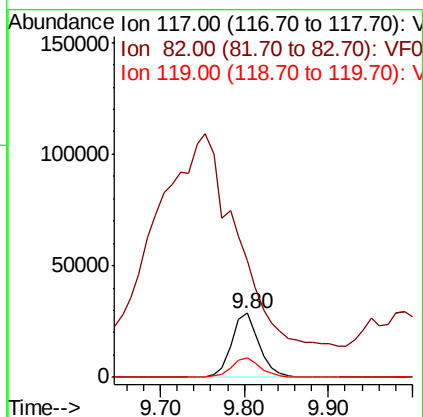
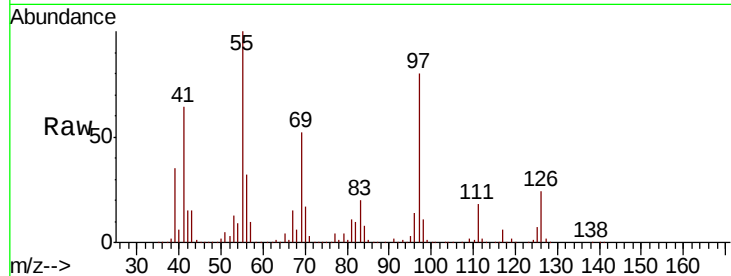




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 930
Delta R.T. 0.01 min
Lab File: VF060778.D
Acq: 16 Nov 2018 21:43

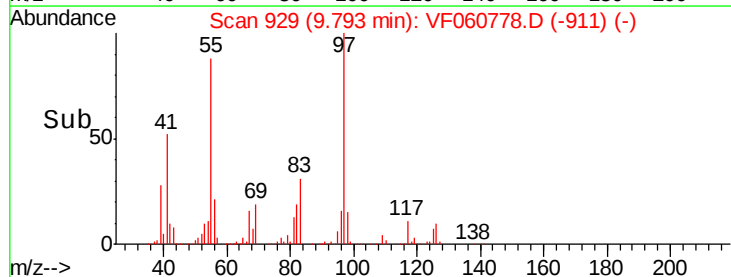
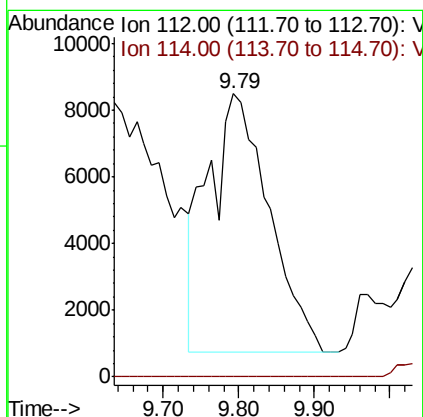
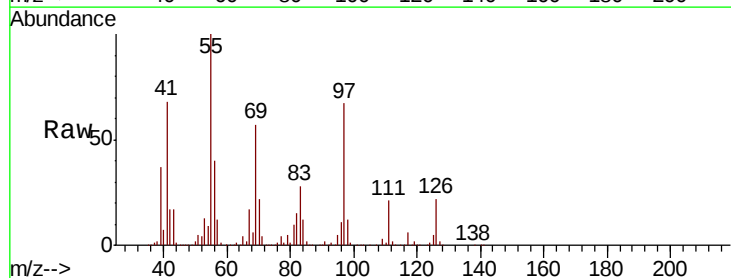
Instrument :
MSVOA_F
ClientSampleId :
SSI-04

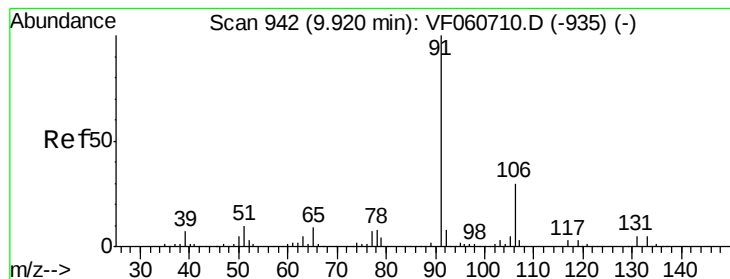
Tot Ion:117 Resp: 65525
Ion Ratio Lower Upper
117 100
82 183.6 47.9 71.9#
119 30.5 26.8 40.2



#65
Chlorobenzene
Concen: 32.951 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.02 min
Lab File: VF060778.D
Acq: 16 Nov 2018 21:43

Tgt Ion:112 Resp: 43569
Ion Ratio Lower Upper
112 100
114 0.0 26.1 39.1#





#67

Ethyl Benzene

Concen: 2254.377 ug/l

RT: 9.95 min Scan# 945

Delta R.T. 0.03 min

Lab File: VF060778.D

Acq: 16 Nov 2018 21:43

Instrument :

MSVOA_F

ClientSampleId :

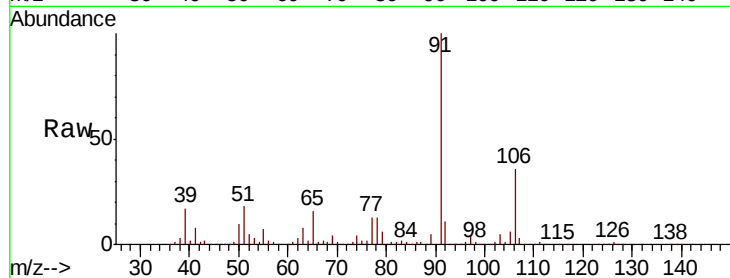
SSI-04

Tot Ion: 91 Resp: 5618720

Ion Ratio Lower Upper

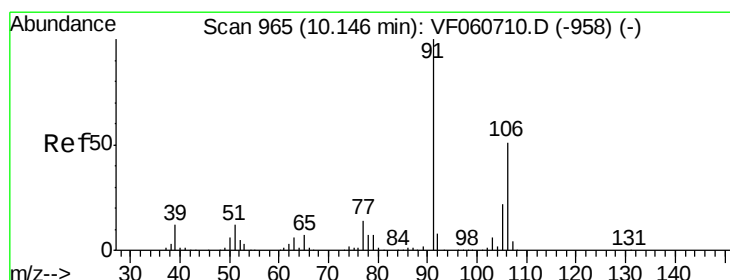
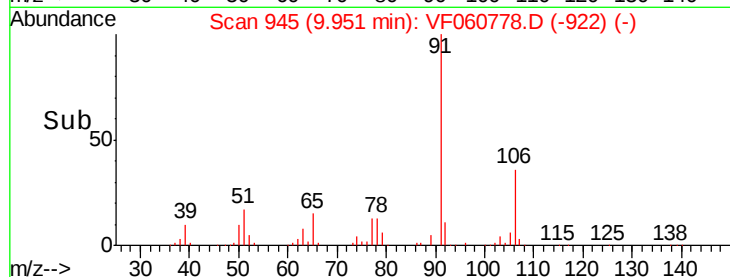
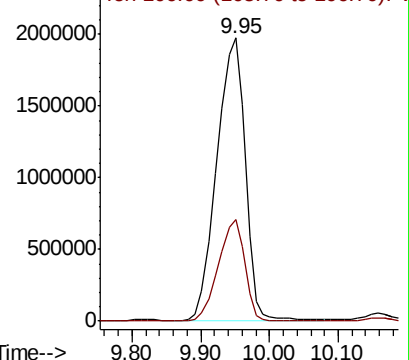
91 100

106 35.7 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 67.923 ug/l

RT: 10.16 min Scan# 966

Delta R.T. 0.01 min

Lab File: VF060778.D

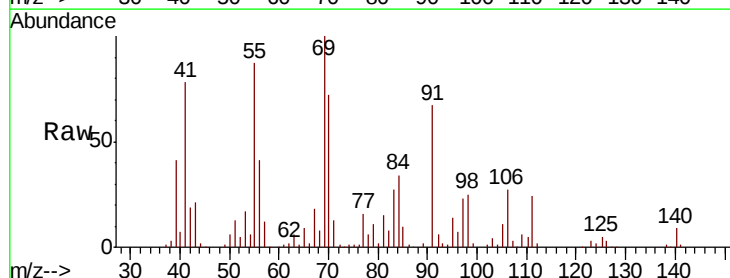
Acq: 16 Nov 2018 21:43

Tgt Ion:106 Resp: 60499

Ion Ratio Lower Upper

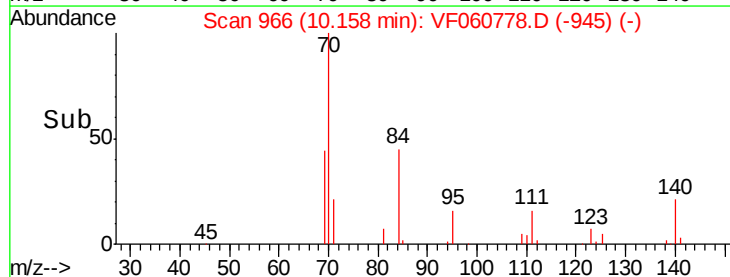
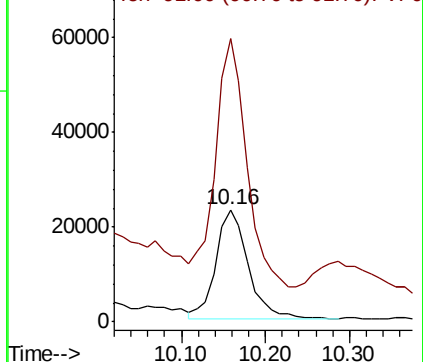
106 100

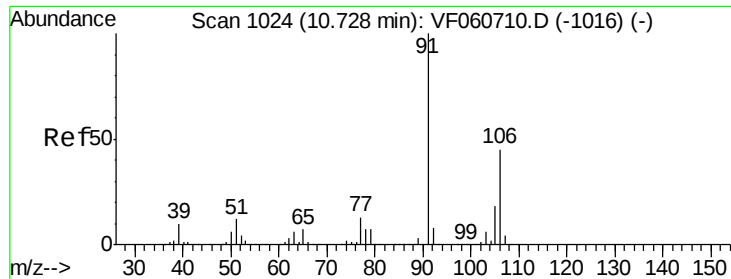
91 252.0 158.2 237.2#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

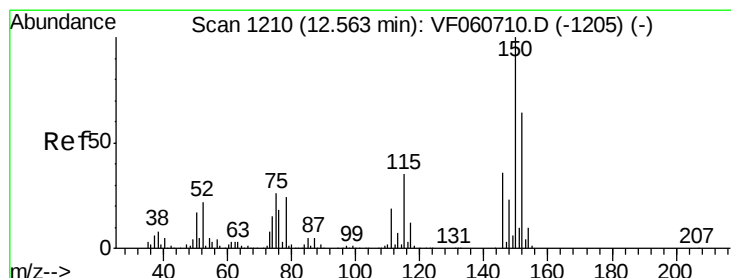
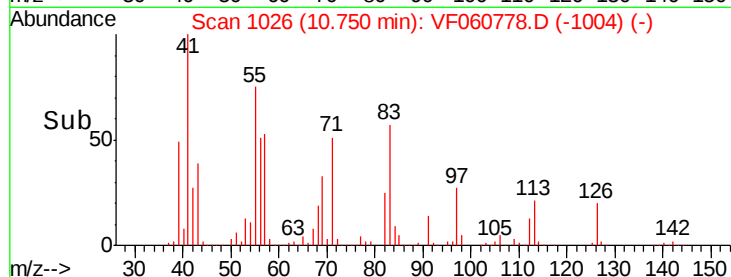
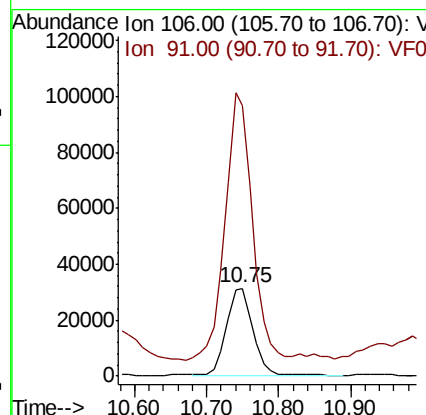
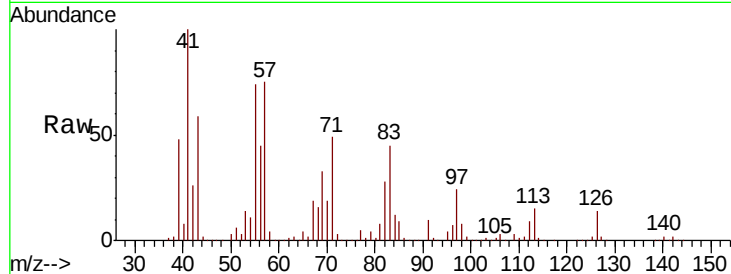




#69
o-Xylene
Concen: 78.209 ug/l
RT: 10.75 min Scan# 1026
Delta R.T. 0.02 min
Lab File: VF060778.D
Acq: 16 Nov 2018 21:43

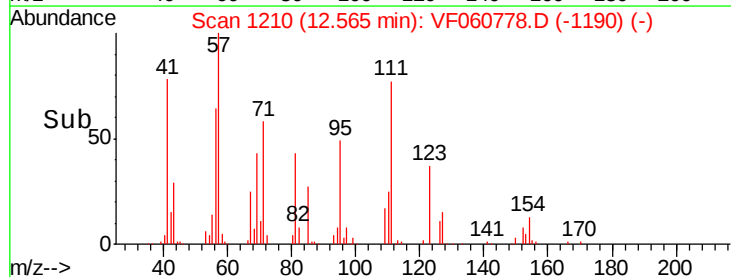
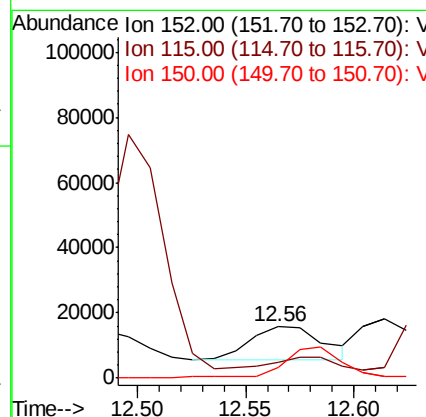
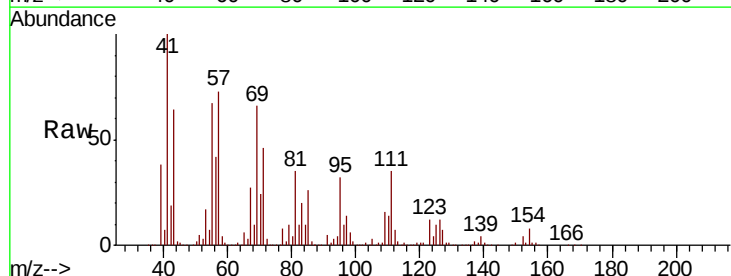
Instrument :
MSVOA_F
ClientSampleId :
SSI-04

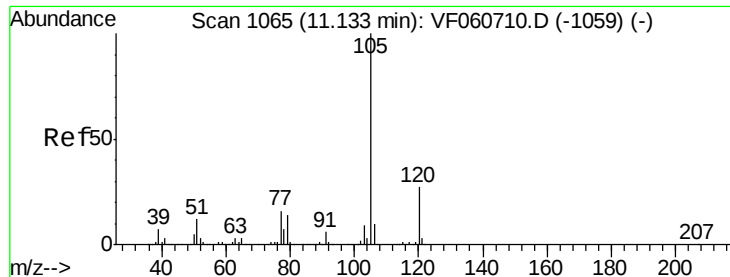
Tot Ion:106 Resp: 78318
Ion Ratio Lower Upper
106 100
91 307.2 110.3 330.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. 0.00 min
Lab File: VF060778.D
Acq: 16 Nov 2018 21:43

Tgt Ion:152 Resp: 23722
Ion Ratio Lower Upper
152 100
115 29.7 27.9 83.7
150 20.1 0.0 316.4





#73

Isopropylbenzene

Concen: 1244.107 ug/l

RT: 11.15 min Scan# 1067

Delta R.T. 0.02 min

Lab File: VF060778.D

Acq: 16 Nov 2018 21:43

Instrument :

MSVOA_F

ClientSampleId :

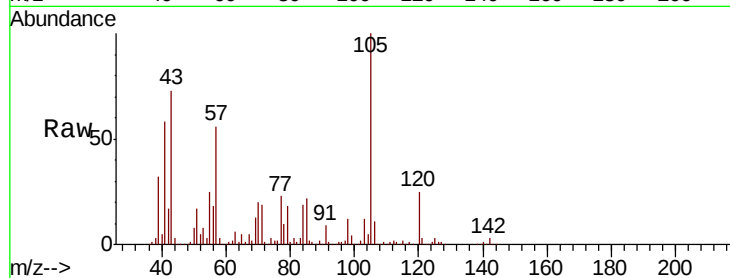
SSI-04

Tot Ion:105 Resp: 2375569

Ion Ratio Lower Upper

105 100

120 24.6 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1200000

1000000

800000

600000

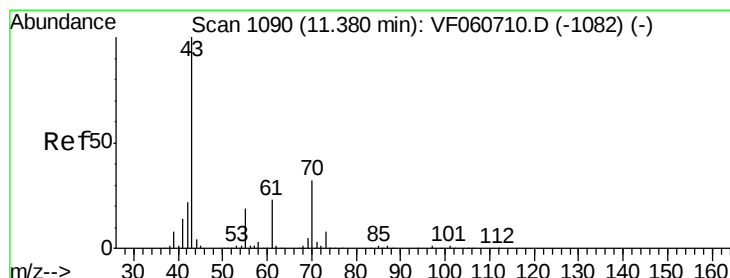
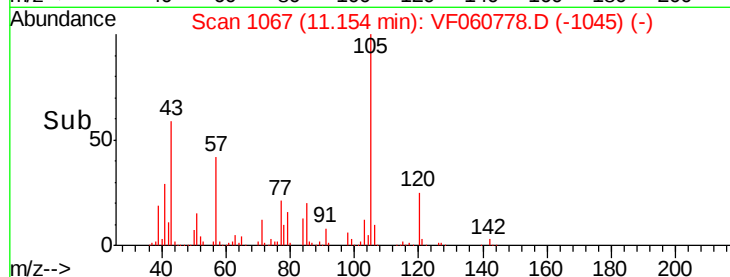
400000

200000

0

11.10 11.20 11.30

Time-->



#74

N-ethyl acetate

Concen: 4233.734 ug/l

RT: 11.33 min Scan# 1085

Delta R.T. -0.05 min

Lab File: VF060778.D

Acq: 16 Nov 2018 21:43

Tgt Ion: 43 Resp: 1840349

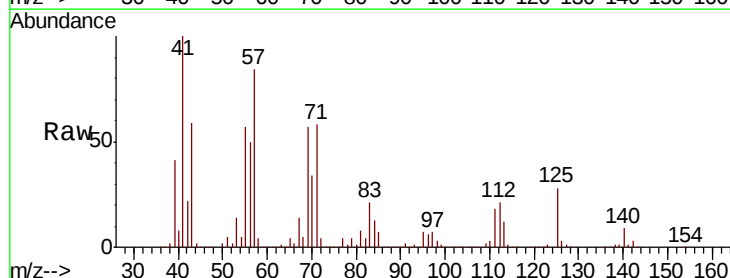
Ion Ratio Lower Upper

43 100

70 58.0 25.5 38.3#

55 96.7 14.9 22.3#

61 0.1 18.6 27.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

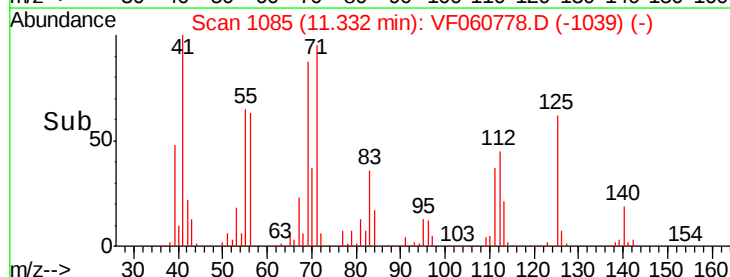
1000000

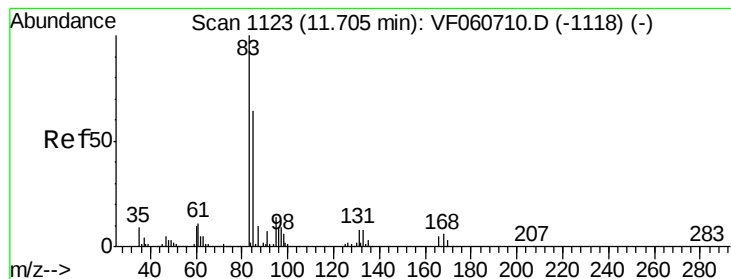
500000

0

11.30 11.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 1426.831 ug/l

RT: 11.73 min Scan# 1125

Delta R.T. 0.02 min

Lab File: VF060778.D

Acq: 16 Nov 2018 21:43

Instrument :

MSVOA_F

ClientSampleId :

SSI-04

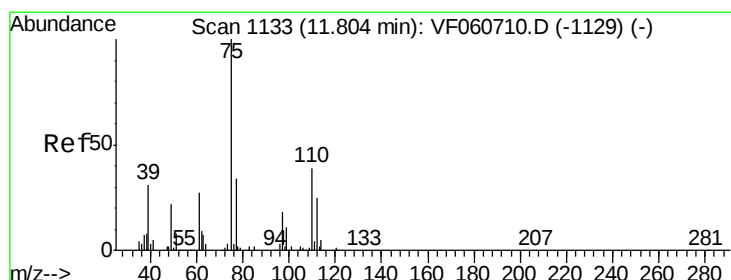
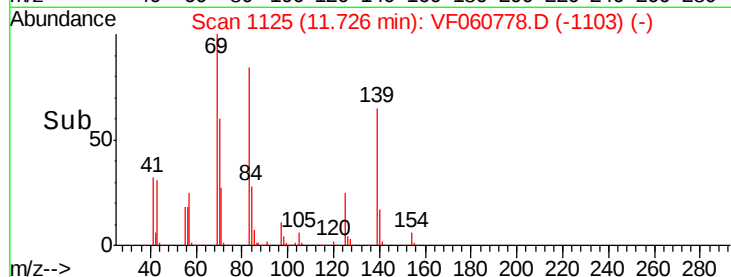
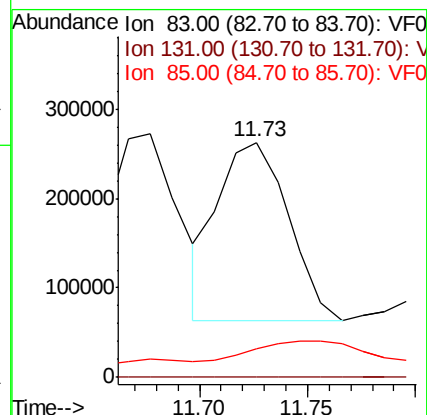
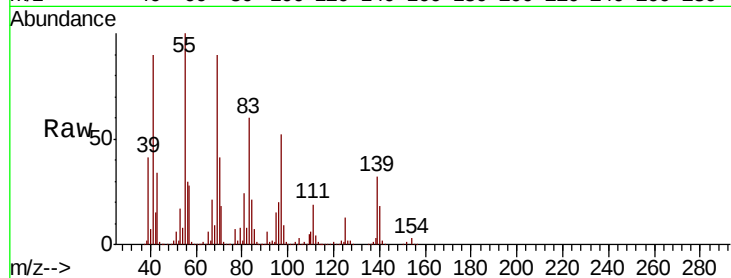
Tot Ion: 83 Resp: 450436

Ion Ratio Lower Upper

83 100

131 0.0 4.2 12.4#

85 12.2 32.0 96.2#



#76

1,2,3-Trichloropropane

Concen: 43.948 ug/l

RT: 11.76 min Scan# 1128

Delta R.T. -0.05 min

Lab File: VF060778.D

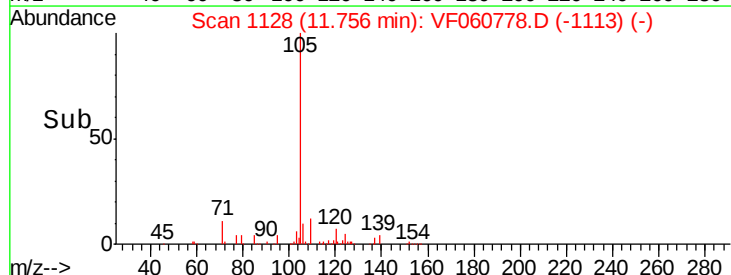
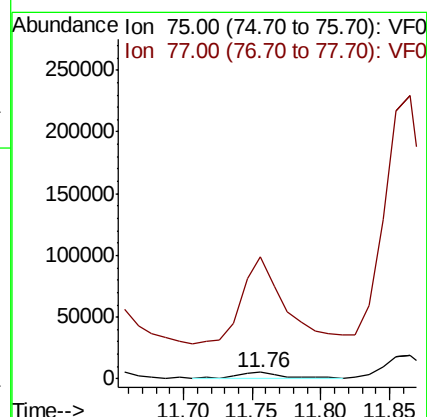
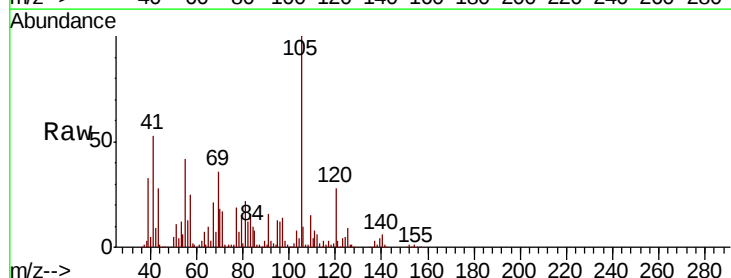
Acq: 16 Nov 2018 21:43

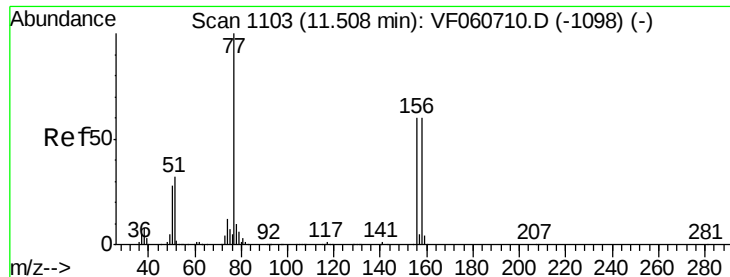
Tgt Ion: 75 Resp: 10304

Ion Ratio Lower Upper

75 100

77 1794.9 17.0 51.0#





#77

Bromobenzene

Concen: 16.268 ug/l

RT: 11.45 min Scan# 1097

Delta R.T. -0.06 min

Lab File: VF060778.D

Acq: 16 Nov 2018 21:43

Instrument :

MSVOA_F

ClientSampleId :

SSI-04

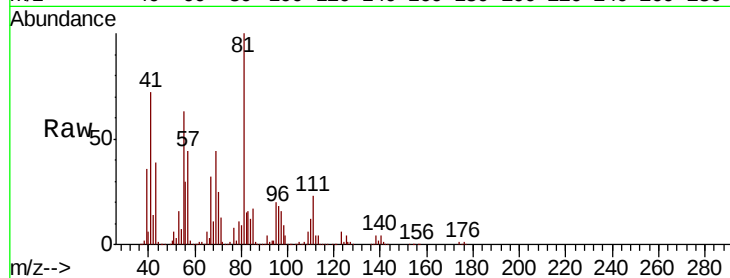
Tot Ion:156 Resp: 6466

Ion Ratio Lower Upper

156 100

77 1548.1 83.0 248.9#

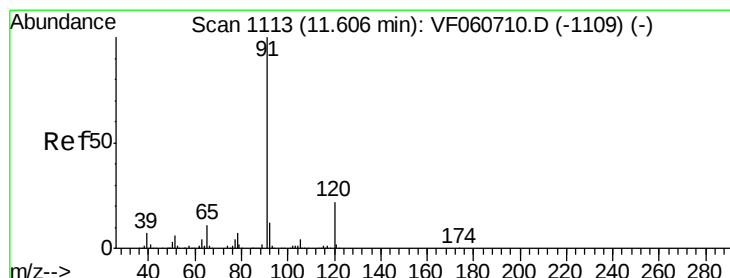
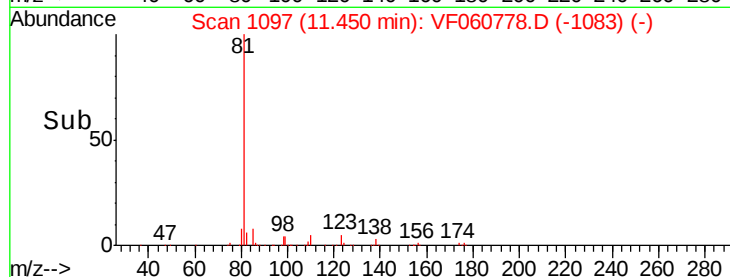
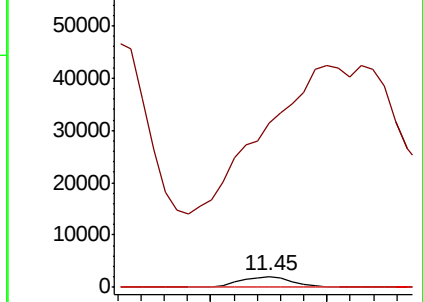
158 0.0 49.6 149.0#



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 2182.710 ug/l

RT: 11.64 min Scan# 1116

Delta R.T. 0.03 min

Lab File: VF060778.D

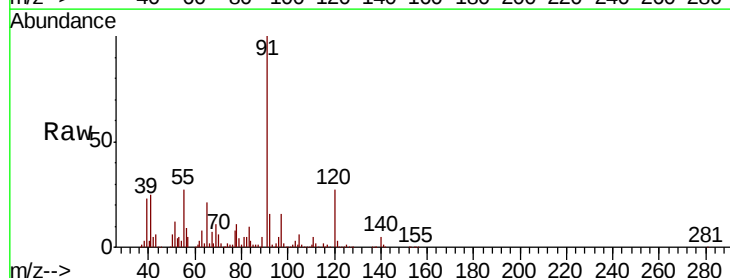
Acq: 16 Nov 2018 21:43

Tgt Ion: 91 Resp: 4860810

Ion Ratio Lower Upper

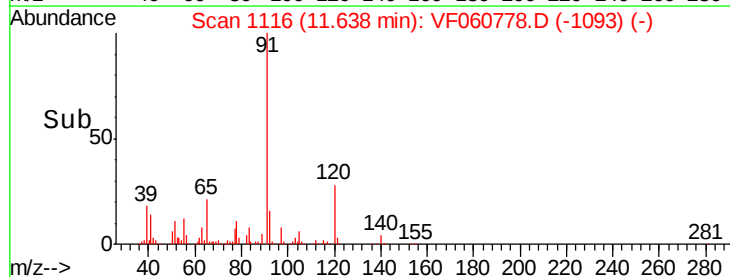
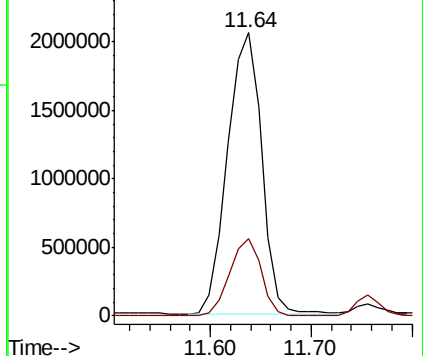
91 100

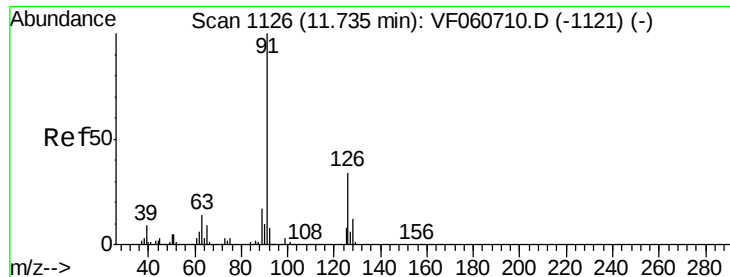
120 27.5 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

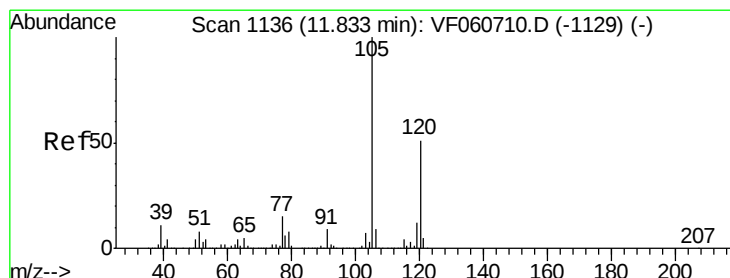
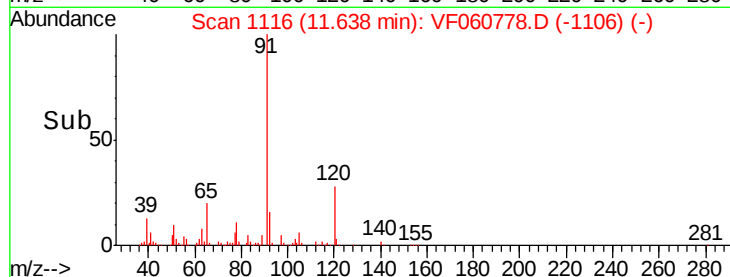
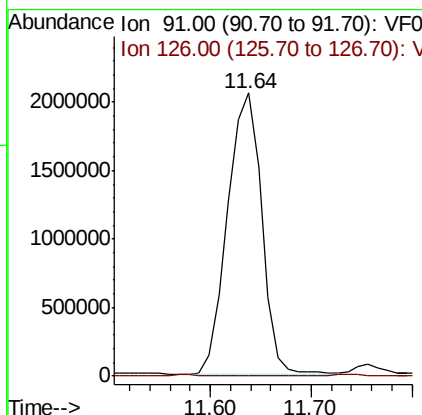
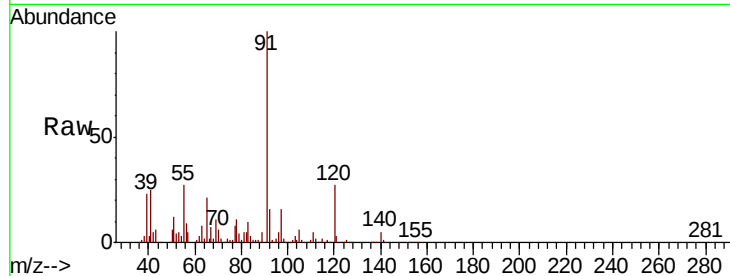




#79
 2-Chlorotoluene
 Concen: 3755.464 ug/l
 RT: 11.64 min Scan# 1116
 Delta R.T. -0.10 min
 Lab File: VF060778.D
 Acq: 16 Nov 2018 21:43

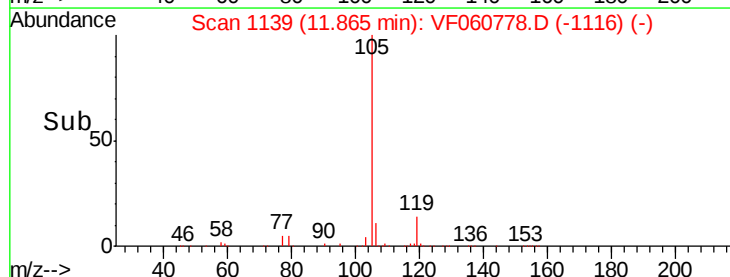
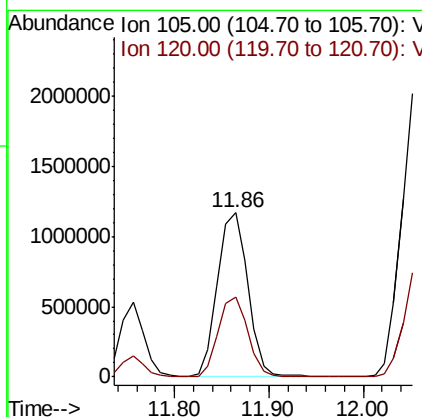
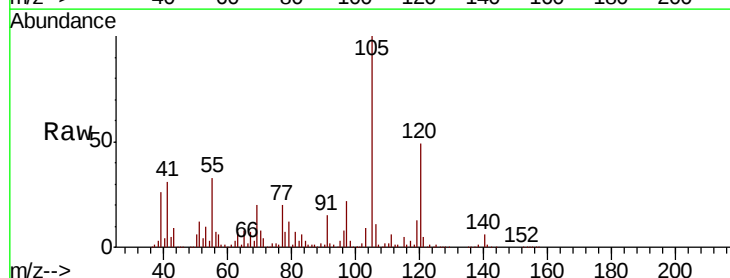
Instrument :
 MSVOA_F
 ClientSampleId :
 SSI-04

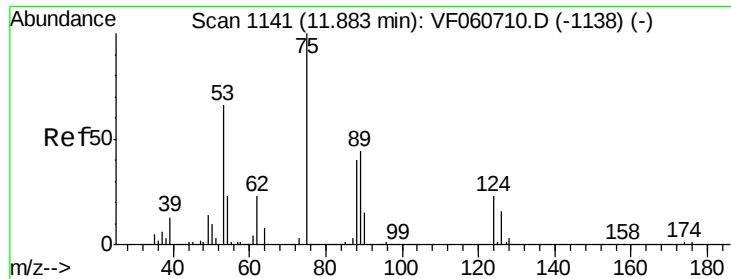
Tot Ion: 91 Resp: 4860810
 Ion Ratio Lower Upper
 91 100
 126 0.1 16.8 50.4#



#80
 1,3,5-Trimethylbenzene
 Concen: 1709.454 ug/l
 RT: 11.86 min Scan# 1139
 Delta R.T. 0.03 min
 Lab File: VF060778.D
 Acq: 16 Nov 2018 21:43

Tgt Ion: 105 Resp: 2591435
 Ion Ratio Lower Upper
 105 100
 120 49.1 25.6 76.8

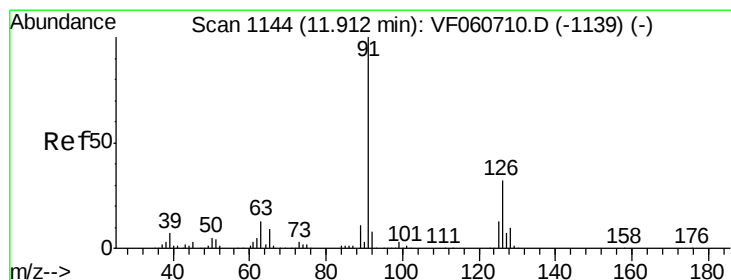
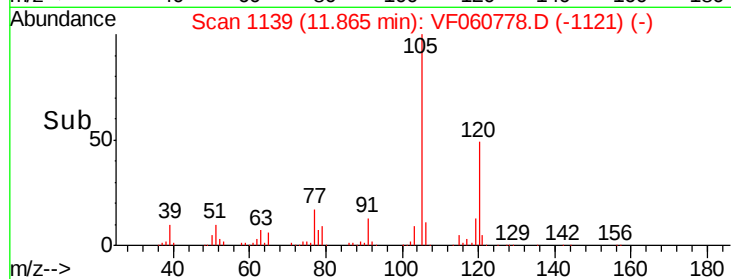
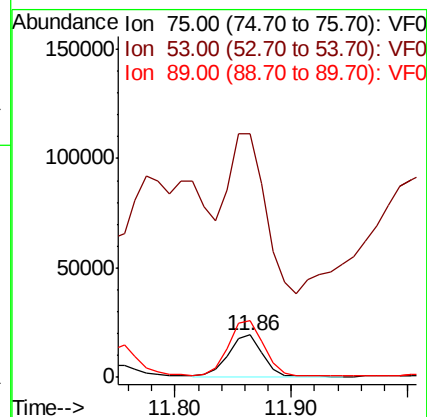
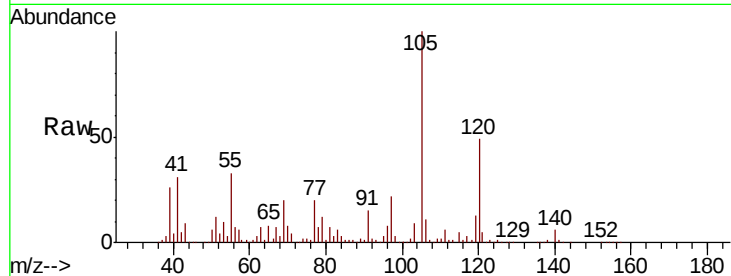




#81
trans-1,4-Dichloro-2-butene
Concen: 335.529 ug/l
RT: 11.86 min Scan# 1139
Delta R.T. -0.02 min
Lab File: VF060778.D
Acq: 16 Nov 2018 21:43

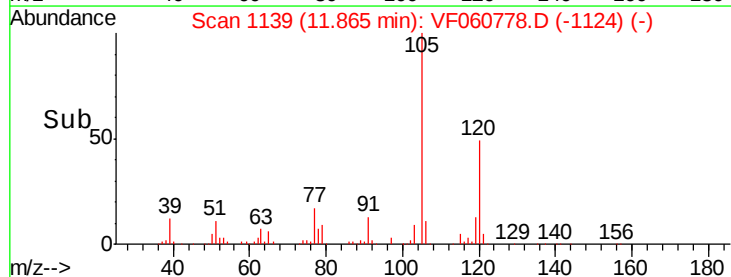
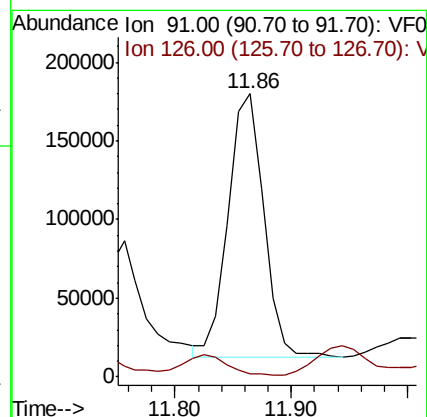
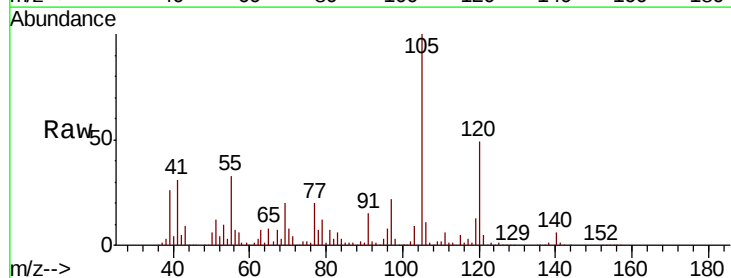
Instrument :
MSVOA_F
ClientSampleId :
SSI-04

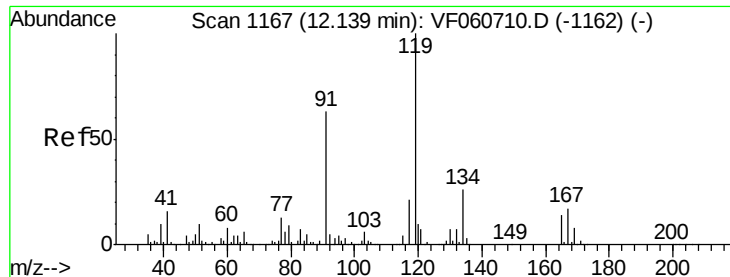
Tot Ion: 75 Resp: 38648
Ion Ratio Lower Upper
75 100
53 573.3 57.0 85.4#
89 133.0 37.8 56.8#



#82
4-Chlorotoluene
Concen: 267.386 ug/l
RT: 11.86 min Scan# 1139
Delta R.T. -0.05 min
Lab File: VF060778.D
Acq: 16 Nov 2018 21:43

Tgt Ion: 91 Resp: 354548
Ion Ratio Lower Upper
91 100
126 1.0 16.0 47.9#

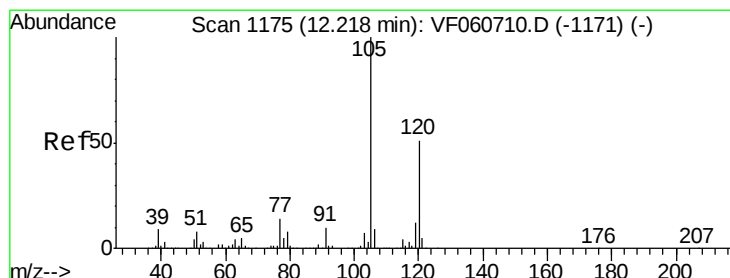
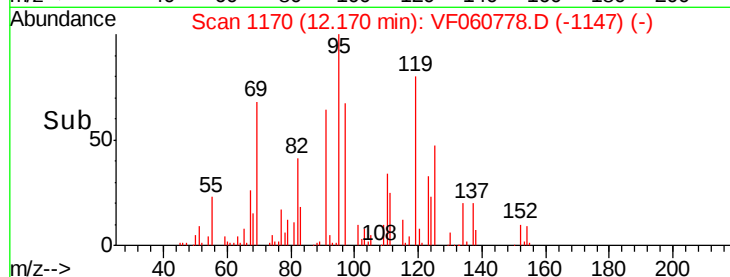
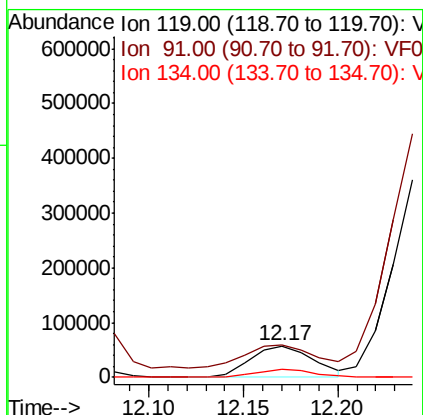
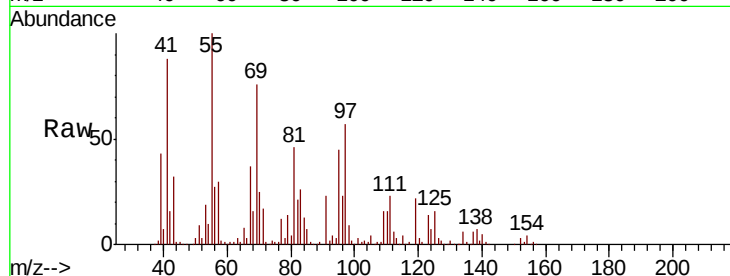




#83
tert-Butylbenzene
Concen: 80.343 ug/l
RT: 12.17 min Scan# 1170
Delta R.T. 0.03 min
Lab File: VF060778.D
Acq: 16 Nov 2018 21:43

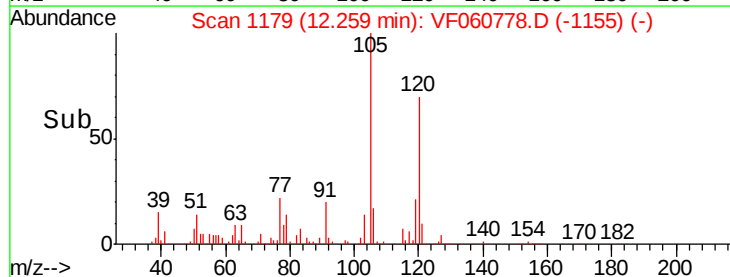
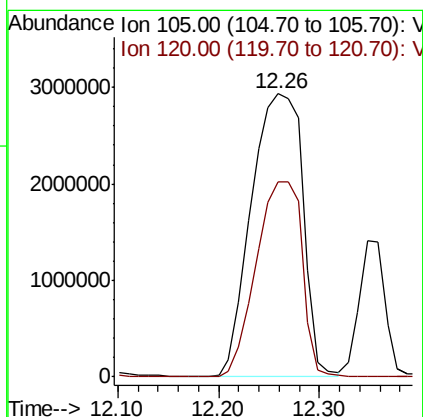
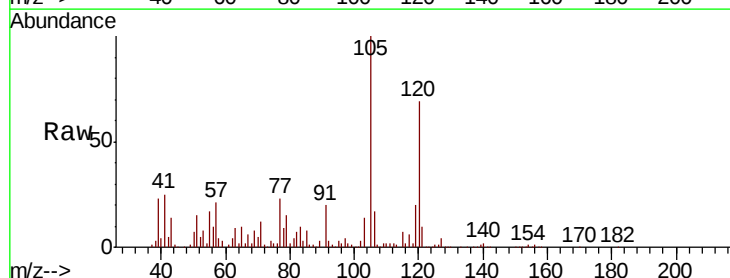
Instrument :
MSVOA_F
ClientSampled :
SSI-04

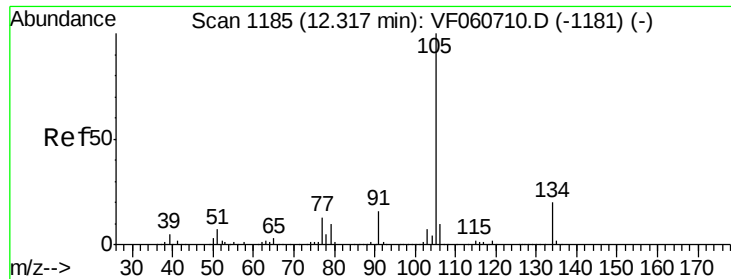
Tot Ion:119 Resp: 129319
Ion Ratio Lower Upper
119 100
91 102.2 31.4 94.3#
134 25.4 12.8 38.4



#84
1,2,4-Trimethylbenzene
Concen: 6611.038 ug/l
RT: 12.26 min Scan# 1179
Delta R.T. 0.04 min
Lab File: VF060778.D
Acq: 16 Nov 2018 21:43

Tgt Ion:105 Resp:10364920
Ion Ratio Lower Upper
105 100
120 68.7 25.5 76.5

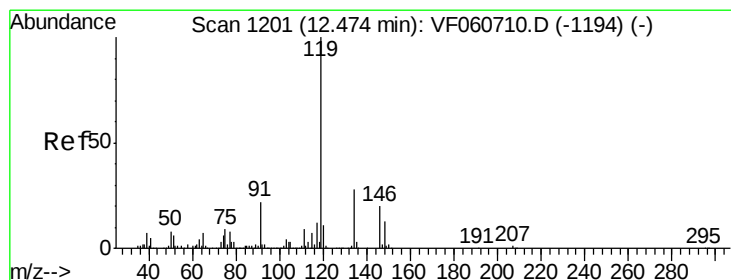
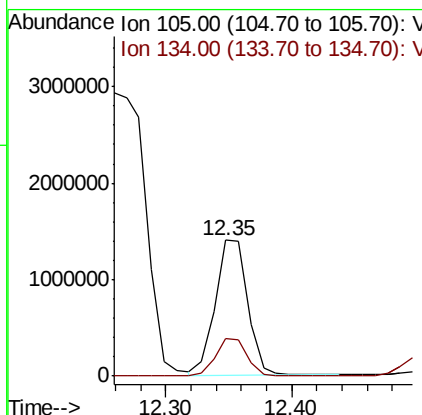
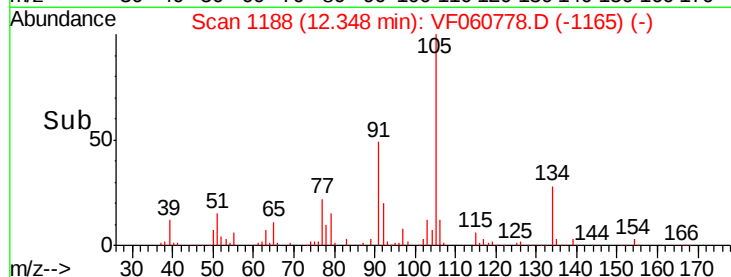
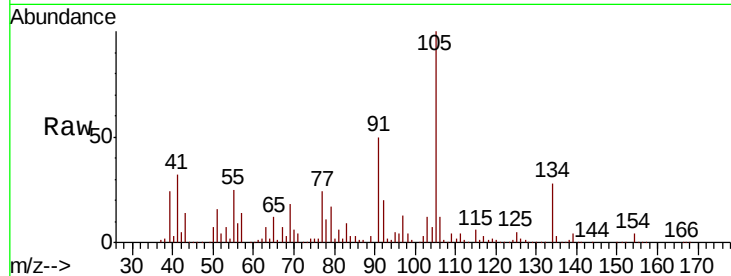




#85
 sec-Butylbenzene
 Concen: 1144.336 ug/l
 RT: 12.35 min Scan# 1188
 Delta R.T. 0.03 min
 Lab File: VF060778.D
 Acq: 16 Nov 2018 21:43

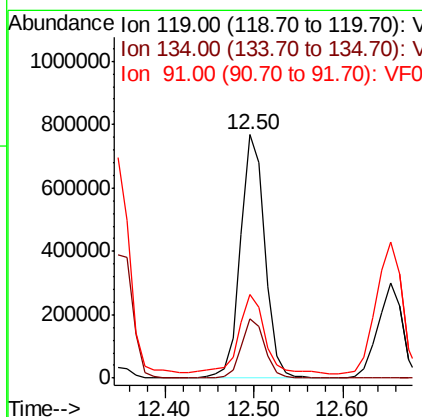
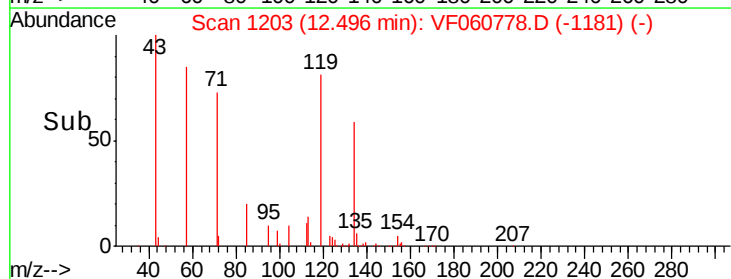
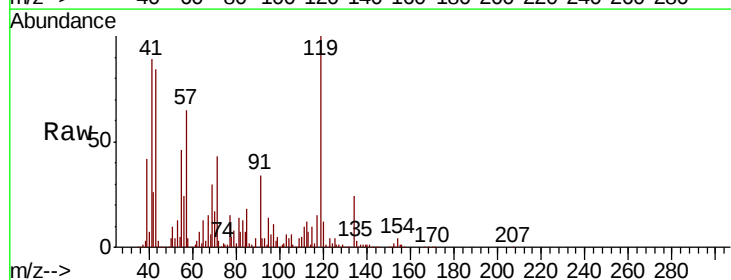
Instrument :
 MSVOA_F
 ClientSampleId :
 SSI-04

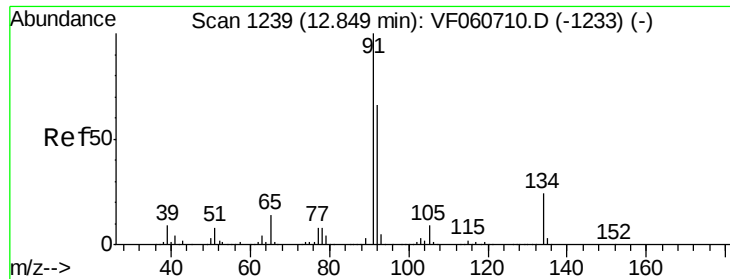
Tot Ion:105 Resp: 2498576
 Ion Ratio Lower Upper
 105 100
 134 27.7 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 793.867 ug/l
 RT: 12.50 min Scan# 1203
 Delta R.T. 0.02 min
 Lab File: VF060778.D
 Acq: 16 Nov 2018 21:43

Tgt Ion:119 Resp: 1447685
 Ion Ratio Lower Upper
 119 100
 134 24.1 13.9 41.7
 91 34.4 11.3 33.9#





#89

n-Butylbenzene

Concen: 1280.575 ug/l

RT: 12.88 min Scan# 1242

Delta R.T. 0.03 min

Lab File: VF060778.D

Acq: 16 Nov 2018 21:43

Instrument :

MSVOA_F

ClientSampleId :

SSI-04

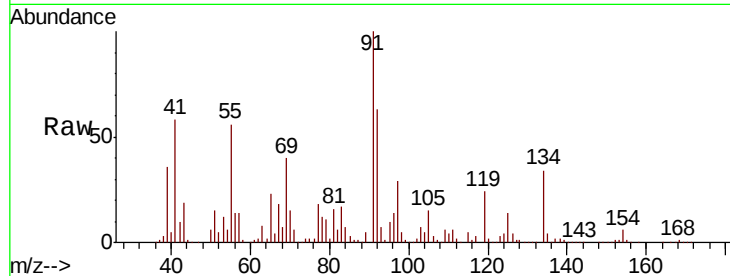
Tot Ion: 91 Resp: 2383153

Ion Ratio Lower Upper

91 100

92 63.2 33.1 99.2

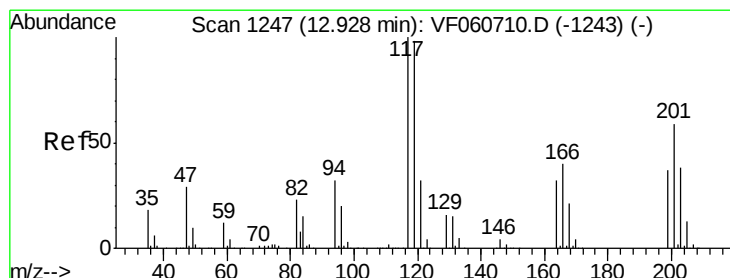
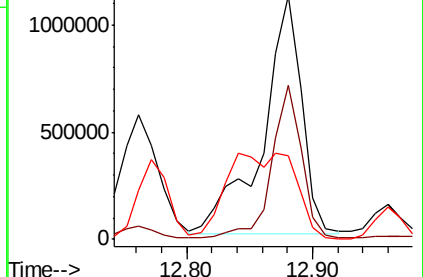
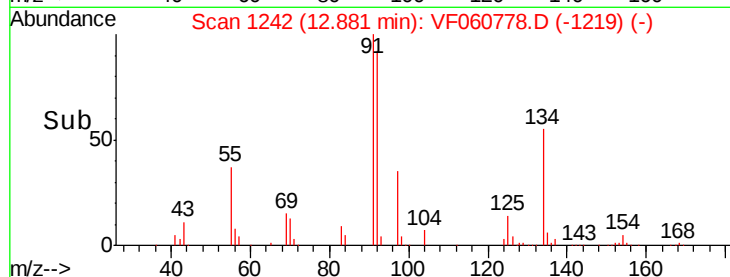
134 34.5 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 241.327 ug/l

RT: 12.96 min Scan# 1250

Delta R.T. 0.03 min

Lab File: VF060778.D

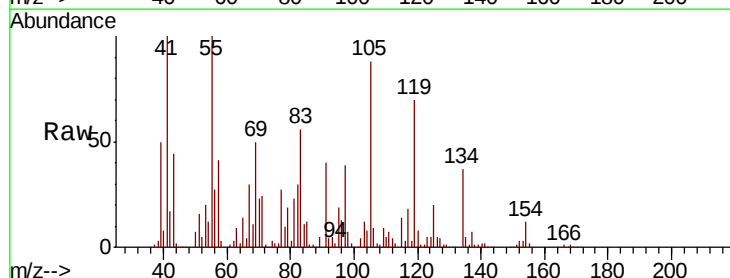
Acq: 16 Nov 2018 21:43

Tgt Ion: 117 Resp: 107639

Ion Ratio Lower Upper

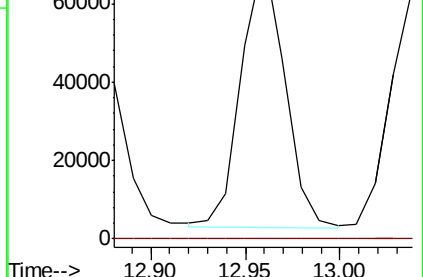
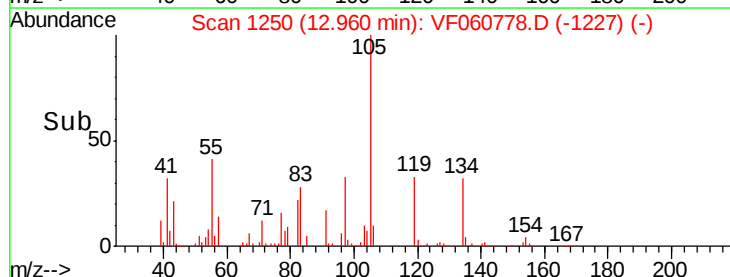
117 100

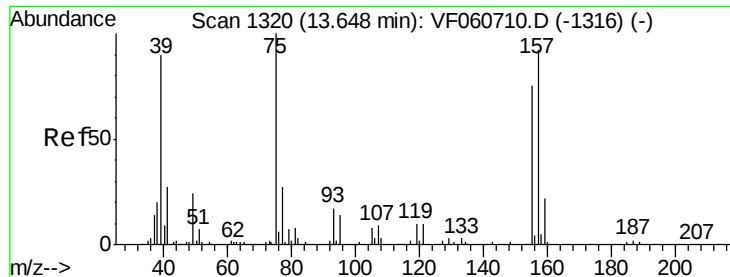
201 0.0 29.4 88.3#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 186.703 ug/l

RT: 13.67 min Scan# 1322

Delta R.T. 0.02 min

Lab File: VF060778.D

Acq: 16 Nov 2018 21:43

Instrument :

MSVOA_F

ClientSampleId :

SSI-04

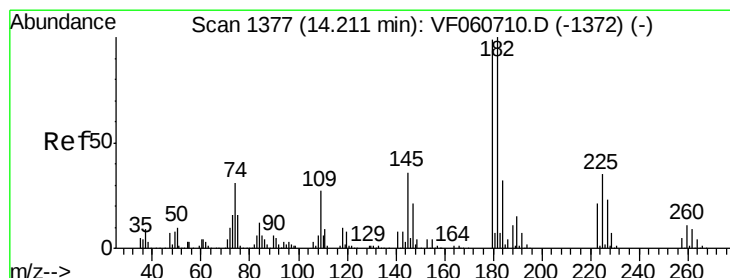
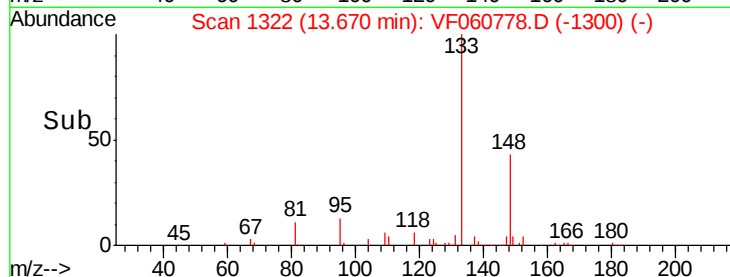
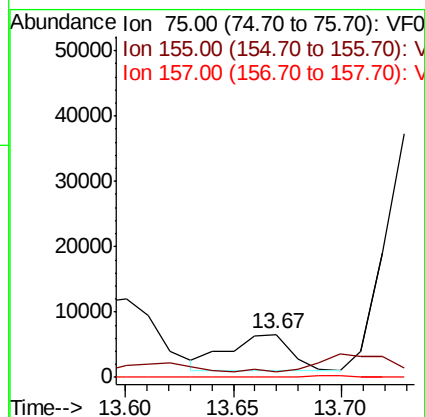
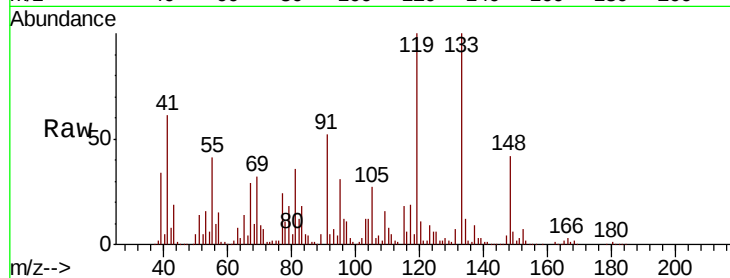
Tot Ion: 75 Resp: 11078

Ion Ratio Lower Upper

75 100

155 14.0 37.4 112.2#

157 0.0 46.0 138.0#



#93

1,2,4-Trichlorobenzene

Concen: 9.550 ug/l

RT: 14.21 min Scan# 1377

Delta R.T. 0.00 min

Lab File: VF060778.D

Acq: 16 Nov 2018 21:43

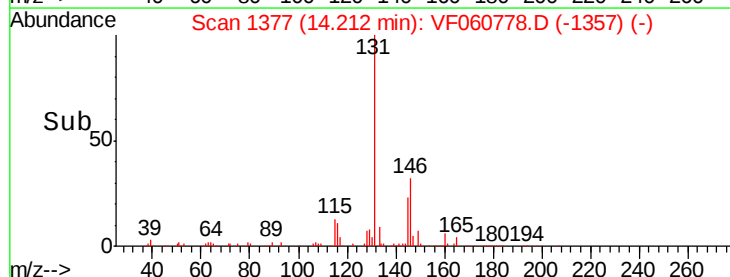
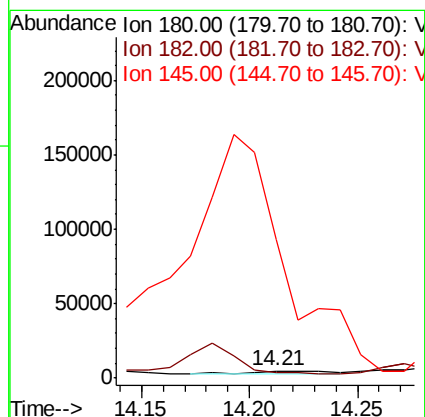
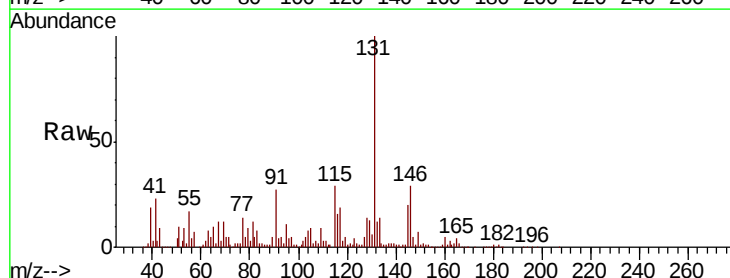
Tgt Ion:180 Resp: 5112

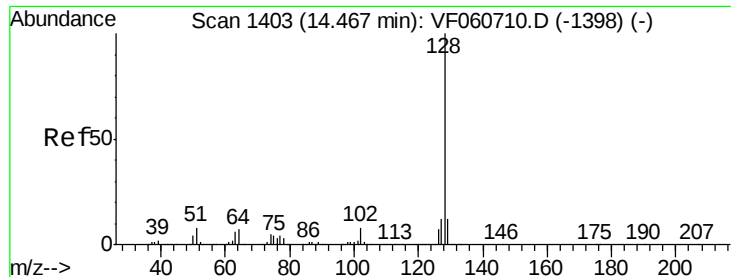
Ion Ratio Lower Upper

180 100

182 86.9 50.3 151.0

145 2046.6 18.3 54.9#

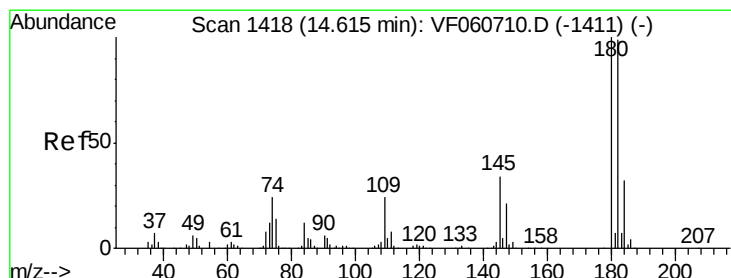
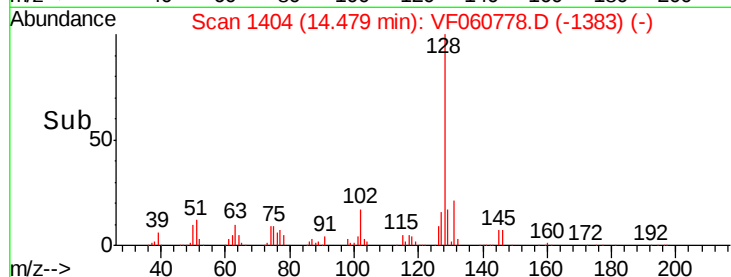
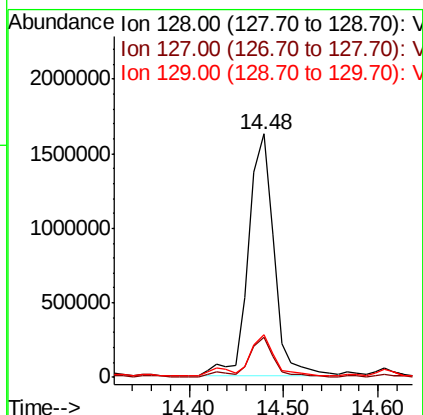
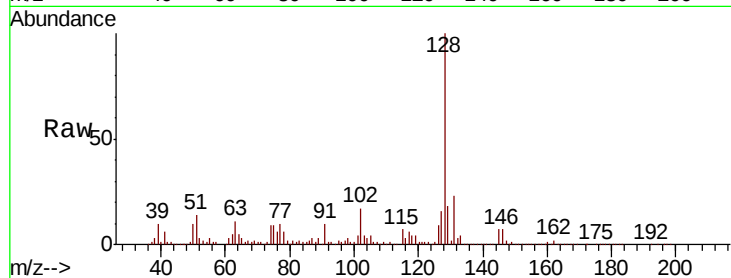




#95
Naphthalene
Concen: 3148.176 ug/l
RT: 14.48 min Scan# 1404
Delta R.T. 0.01 min
Lab File: VF060778.D
Acq: 16 Nov 2018 21:43

Instrument :
MSVOA_F
ClientSampleId :
SSI-04

Tot Ion:128 Resp: 3074931
Ion Ratio Lower Upper
128 100
127 16.3 9.8 14.6#
129 17.5 9.3 13.9#



#96
1,2,3-Trichlorobenzene
Concen: 29.844 ug/l
RT: 14.66 min Scan# 1422
Delta R.T. 0.04 min
Lab File: VF060778.D
Acq: 16 Nov 2018 21:43

Tgt Ion:180 Resp: 14762
Ion Ratio Lower Upper
180 100
182 24.3 49.6 149.0#
145 535.1 16.9 50.7#

