

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092818\
 Data File : VF060382.D
 Acq On : 28 Sep 2018 22:13
 Operator : VA/AP
 Sample : VF0928SBSD01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0928SBSD01

Quant Time: Sep 29 00:21:16 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	5.02	168	237102	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.75	114	418753	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	354648	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	191800	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	156467	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
35) Dibromofluoromethane	4.27	113	177679	47.60	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	95.20%	
50) Toluene-d8	7.69	98	423758	43.59	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	87.18%	
62) 4-Bromofluorobenzene	11.49	95	175660	41.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.60%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.99	85	121332	31.906	ug/l	100
3) Chloromethane	1.11	50	95602	29.588	ug/l	95
4) Vinyl Chloride	1.17	62	95468	28.992	ug/l	93
5) Bromomethane	1.34	94	61766	30.523	ug/l	91
6) Chloroethane	1.42	64	41909	26.724	ug/l	100
7) Trichlorofluoromethane	1.53	101	178856	29.155	ug/l	98
8) Diethyl Ether	1.69	74	25376	24.862	ug/l	54
9) 1,1,2-Trichlorotrifluoroet	1.88	101	98307	30.132	ug/l #	85
10) Methyl Iodide	1.95	142	157179	29.875	ug/l	95
11) Tert butyl alcohol	2.66	59	26712	142.745	ug/l	96
12) 1,1-Dichloroethene	1.84	96	84053	31.152	ug/l	92
13) Acrolein	2.07	56	9987	144.488	ug/l	87
14) Allyl chloride	2.18	41	133991	28.457	ug/l	95
15) Acrylonitrile	3.06	53	61206	135.739	ug/l	87
16) Acetone	2.32	43	107742	119.830	ug/l	100
17) Carbon Disulfide	1.88	76	239022	32.887	ug/l	97
18) Methyl Acetate	2.44	43	37838	25.261	ug/l	100
19) Methyl tert-butyl Ether	2.52	73	194177	28.868	ug/l	99
20) Methylene Chloride	2.27	84	44288	12.691	ug/l	85
21) trans-1,2-Dichloroethene	2.40	96	80596	28.921	ug/l	95
22) Diisopropyl ether	2.91	45	237349	26.717	ug/l	98
23) Vinyl Acetate	3.31	43	473855	135.811	ug/l	98
24) 1,1-Dichloroethane	2.99	63	150595	26.139	ug/l	98
25) 2-Butanone	4.49	43	128414	106.109	ug/l	95
26) 2,2-Dichloropropane	3.75	77	84399	25.674	ug/l	99
27) cis-1,2-Dichloroethene	3.62	96	91963	25.119	ug/l	90
28) Bromochloromethane	3.87	49	60426	26.939	ug/l	99
29) Tetrahydrofuran	4.23	42	56449	127.372	ug/l	100
30) Chloroform	4.01	83	181766	26.147	ug/l	98
31) Cyclohexane	3.85	56	128788	26.464	ug/l	95
32) 1,1,1-Trichloroethane	4.25	97	146760	26.755	ug/l	98
36) 1,1-Dichloropropene	4.44	75	123371	23.619	ug/l	97
37) Ethyl Acetate	4.26	43	51796	23.436	ug/l #	75
38) Carbon Tetrachloride	4.15	117	138506	24.687	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092818\
 Data File : VF060382.D
 Acq On : 28 Sep 2018 22:13
 Operator : VA/AP
 Sample : VF0928SBSD01
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0928SBSD01

Quant Time: Sep 29 00:21:16 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)
39) Methylcyclohexane	5.61	83	143342	25.321	ug/l	96
40) Benzene	4.78	78	281655	23.781	ug/l	99
41) Methacrylonitrile	4.90	41	27712	23.107	ug/l	98
42) 1,2-Dichloroethane	5.10	62	96823	22.210	ug/l	97
43) Isopropyl Acetate	7.09	43	59481	22.355	ug/l	97
44) Trichloroethene	5.66	130	89985	25.529	ug/l	94
45) 1,2-Dichloropropane	6.38	63	71713	23.395	ug/l	100
46) Dibromomethane	6.23	93	52109	23.783	ug/l	94
47) Bromodichloromethane	6.53	83	112924	21.446	ug/l	95
48) Methyl methacrylate	6.85	41	40525	21.697	ug/l	97
49) 1,4-Dioxane	6.85	88	6842	410.036	ug/l #	86
51) 4-Methyl-2-Pentanone	8.39	43	218893	106.740	ug/l	98
52) Toluene	7.76	92	168761	22.523	ug/l	98
53) t-1,3-Dichloropropene	8.41	75	97310	22.911	ug/l	96
54) cis-1,3-Dichloropropene	7.44	75	120854	22.587	ug/l	92
55) 1,1,2-Trichloroethane	8.62	97	52642	23.148	ug/l	89
56) Ethyl methacrylate	8.74	69	58001	21.118	ug/l	93
57) 1,3-Dichloropropane	8.98	76	86450	22.959	ug/l	91
58) 2-Chloroethyl Vinyl ether	7.76	63	26823	110.473	ug/l	100
59) 2-Hexanone	9.61	43	136634	93.577	ug/l	98
60) Dibromochloromethane	8.84	129	75463	22.264	ug/l	98
61) 1,2-Dibromoethane	9.12	107	56316	22.238	ug/l	83
64) Tetrachloroethene	8.29	164	76028	23.648	ug/l	96
65) Chlorobenzene	9.93	112	193765	24.106	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.06	131	83621	25.068	ug/l	95
67) Ethyl Benzene	10.03	91	365181	24.572	ug/l	97
68) m/p-Xylenes	10.25	106	257610	50.172	ug/l	94
69) o-Xylene	10.81	106	133597	23.198	ug/l	87
70) Styrene	10.88	104	194064	23.894	ug/l	94
71) Bromoform	10.87	173	39947	21.805	ug/l	96
73) Isopropylbenzene	11.22	105	414151	24.053	ug/l	97
74) N-amyl acetate	11.45	43	81307	22.144	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	11.77	83	75284	24.671	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	54013	24.721	ug/l	83
77) Bromobenzene	11.58	156	84647	22.811	ug/l	97
78) n-propylbenzene	11.67	91	480648	23.982	ug/l	100
79) 2-Chlorotoluene	11.80	91	276409	23.798	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	346420	24.994	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	31870	27.601	ug/l	94
82) 4-Chlorotoluene	11.98	91	273179	23.401	ug/l	99
83) tert-Butylbenzene	12.20	119	343394	24.440	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	338746	24.069	ug/l	96
85) sec-Butylbenzene	12.37	105	476842	24.961	ug/l	94
86) p-Isopropyltoluene	12.53	119	391562	26.180	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	164020	23.654	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	160995	23.490	ug/l	99
89) n-Butylbenzene	12.90	91	417240	25.337	ug/l	97
90) Hexachloroethane	12.98	117	90870	23.112	ug/l	95
91) 1,2-Dichlorobenzene	13.01	146	162581	24.579	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.70	75	13266	23.155	ug/l	91

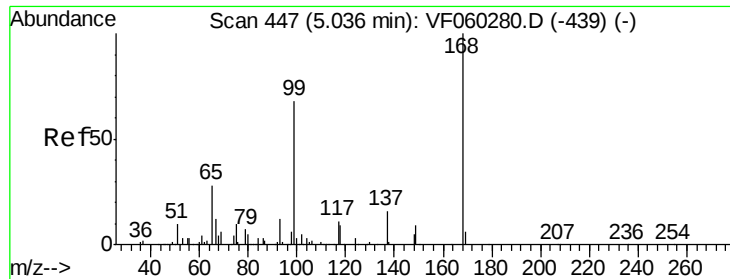
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF092818\
Data File : VF060382.D
Acq On : 28 Sep 2018 22:13
Operator : VA/AP
Sample : VF0928SBSD01
Misc : 5.00/5mL/MSVOA F/SOIL
ALS Vial : 45 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0928SBSD01

Quant Time: Sep 29 00:21:16 2018
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	14.25	180	115090	23.938	ug/l	96
94) Hexachlorobutadiene	14.24	225	71833	22.102	ug/l	93
95) Naphthalene	14.51	128	204617	24.274	ug/l	97
96) 1,2,3-Trichlorobenzene	14.66	180	107005	24.086	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 445

Delta R.T. -0.02 min

Lab File: VF060382.D

Acq: 28 Sep 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

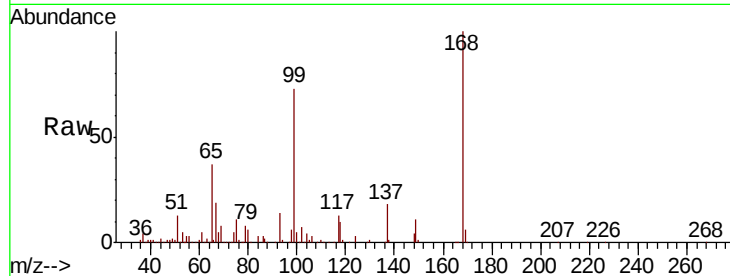
VF0928SBSD01

Tot Ion:168 Resp: 237102

Ion Ratio Lower Upper

168 100

99 72.6 54.8 82.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

80000

60000

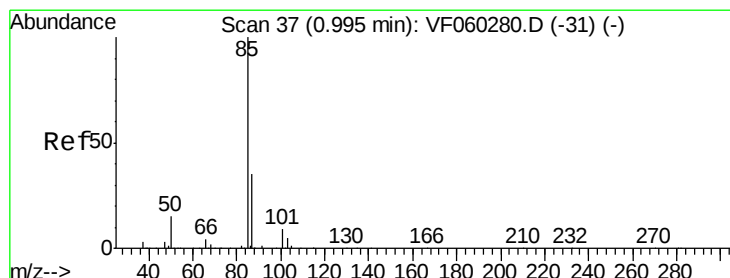
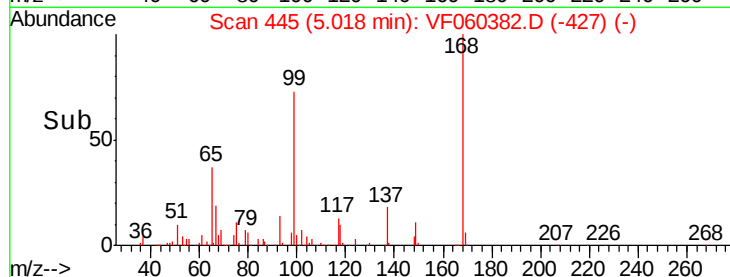
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 31.906 ug/l

RT: 0.99 min Scan# 36

Delta R.T. -0.01 min

Lab File: VF060382.D

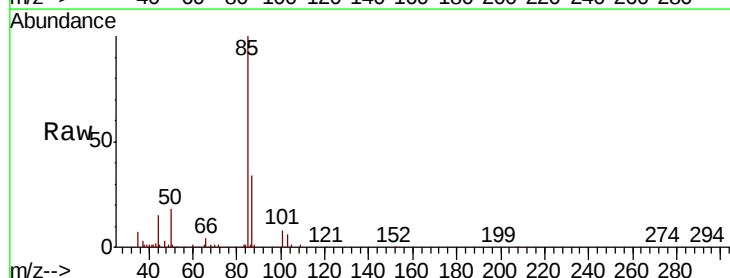
Acq: 28 Sep 2018 22:13

Tgt Ion: 85 Resp: 121332

Ion Ratio Lower Upper

85 100

87 34.4 17.3 52.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

50000

40000

30000

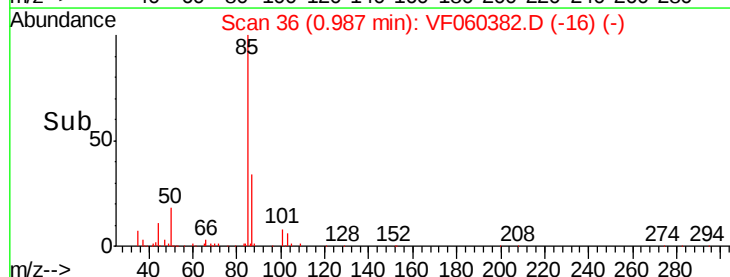
20000

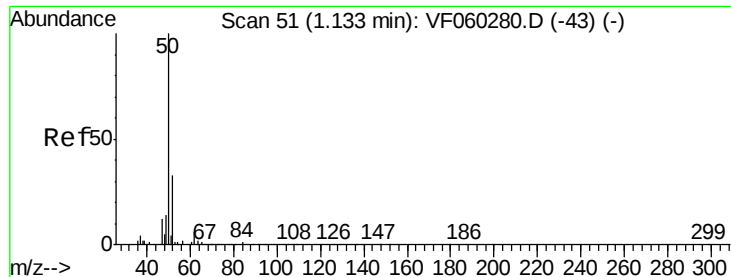
10000

0

0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 29.588 ug/l

RT: 1.11 min Scan# 49

Delta R.T. -0.02 min

Lab File: VF060382.D

Acq: 28 Sep 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

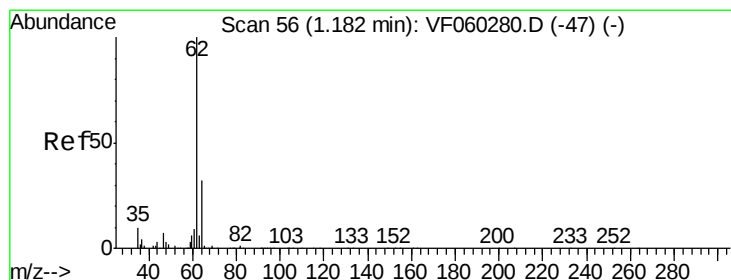
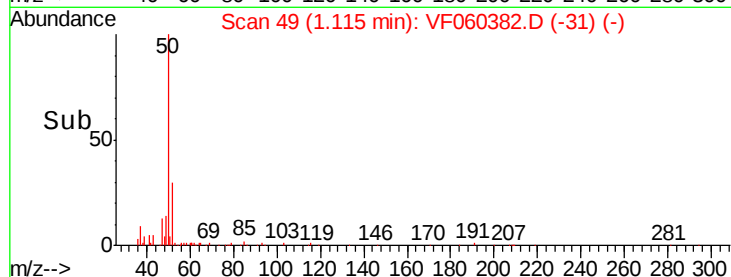
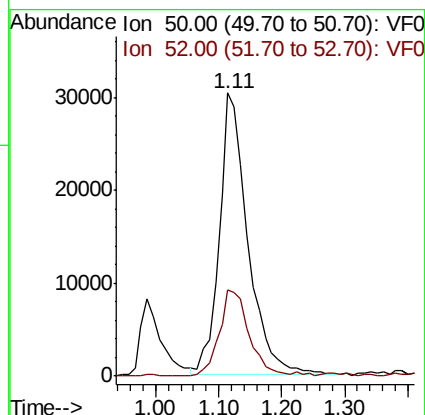
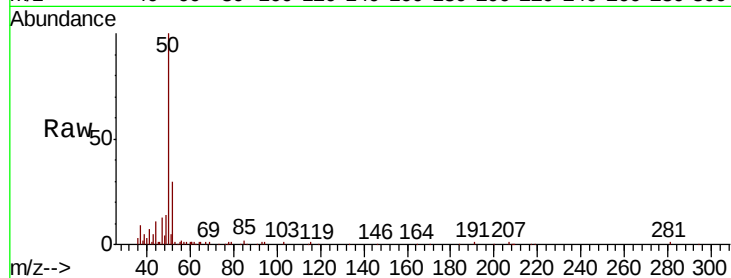
VF0928SBSD01

Tot Ion: 50 Resp: 95602

Ion Ratio Lower Upper

50 100

52 30.4 26.5 39.7



#4

Vinyl Chloride

Concen: 28.992 ug/l

RT: 1.17 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF060382.D

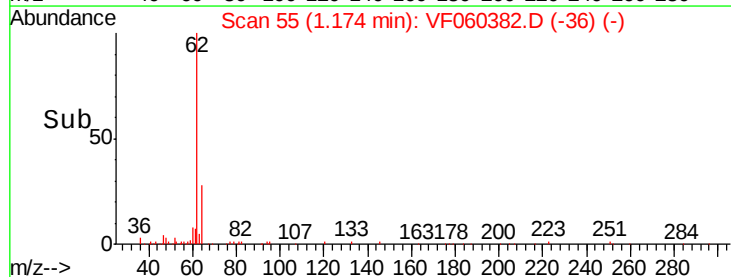
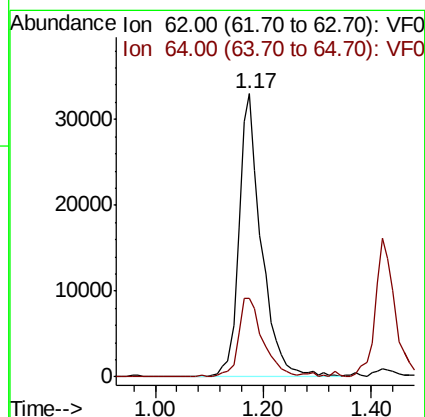
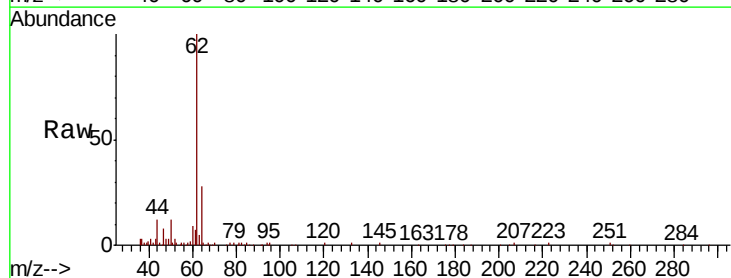
Acq: 28 Sep 2018 22:13

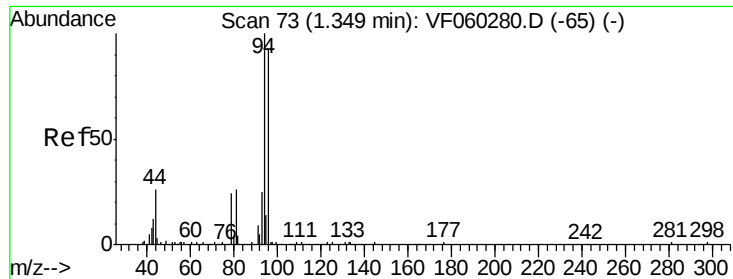
Tgt Ion: 62 Resp: 95468

Ion Ratio Lower Upper

62 100

64 27.8 25.2 37.8





#5

Bromomethane

Concen: 30.523 ug/l

RT: 1.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VF060382.D

Acq: 28 Sep 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

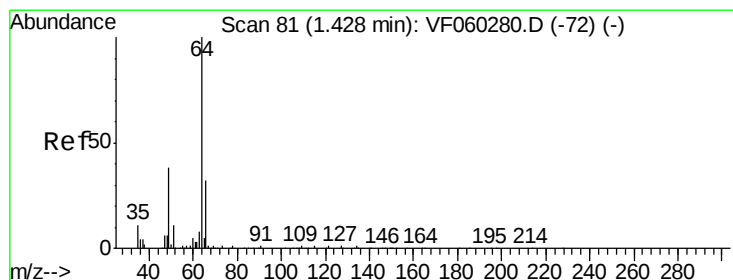
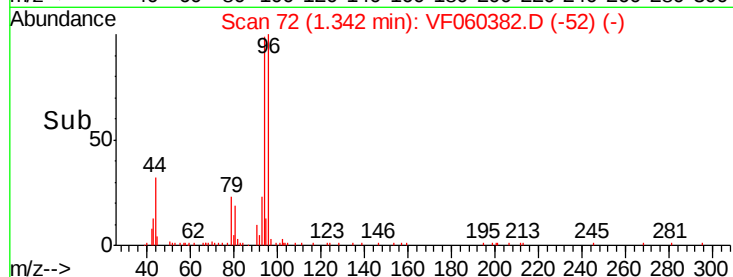
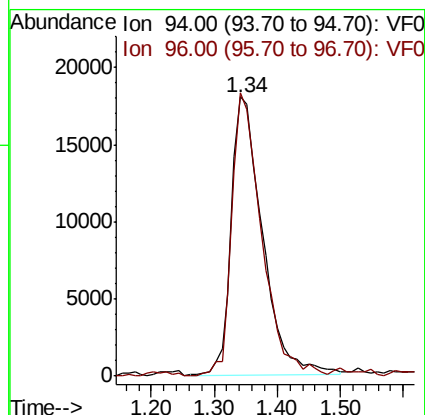
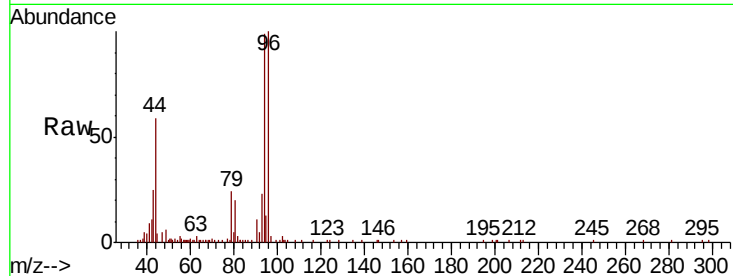
VF0928SBSD01

Tot Ion: 94 Resp: 61766

Ion Ratio Lower Upper

94 100

96 101.3 73.9 110.9



#6

Chloroethane

Concen: 26.724 ug/l

RT: 1.42 min Scan# 80

Delta R.T. -0.01 min

Lab File: VF060382.D

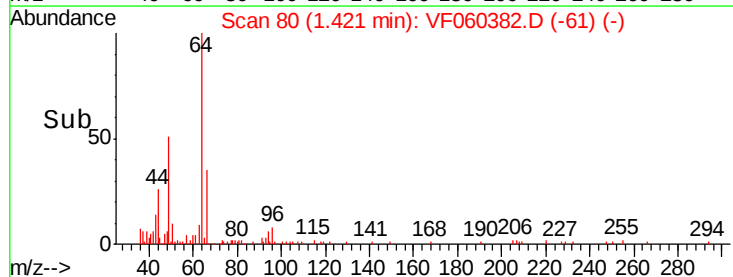
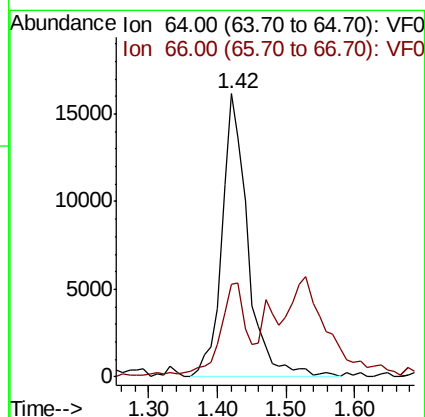
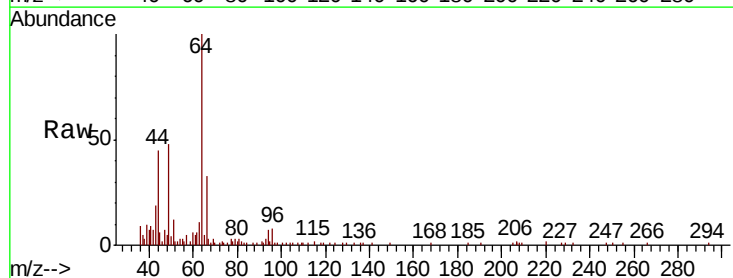
Acq: 28 Sep 2018 22:13

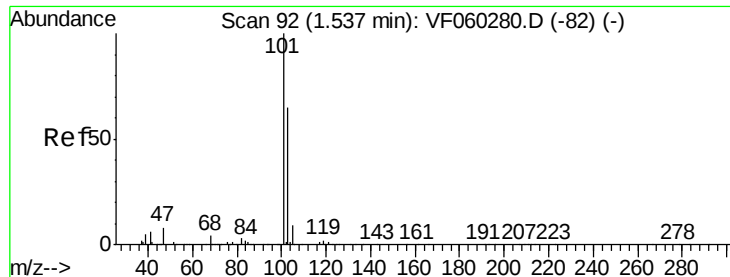
Tgt Ion: 64 Resp: 41909

Ion Ratio Lower Upper

64 100

66 32.9 26.2 39.2





#7

Trichlorofluoromethane

Concen: 29.155 ug/l

RT: 1.53 min Scan# 91

Delta R.T. -0.01 min

Lab File: VF060382.D

Acq: 28 Sep 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

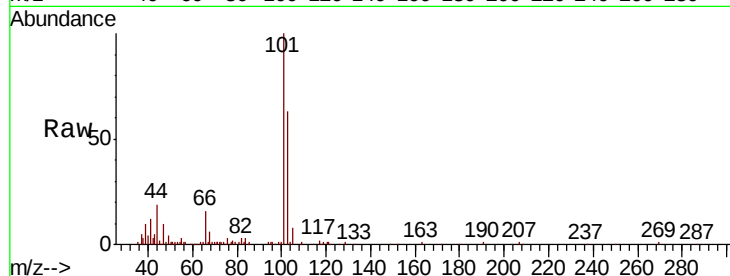
VF0928SBSD01

Tot Ion:101 Resp: 178856

Ion Ratio Lower Upper

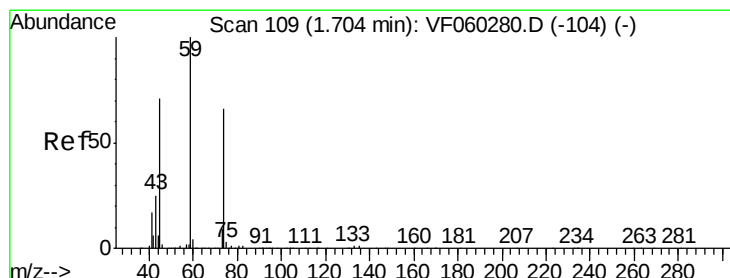
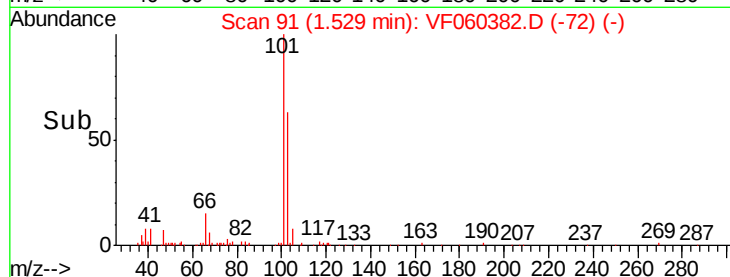
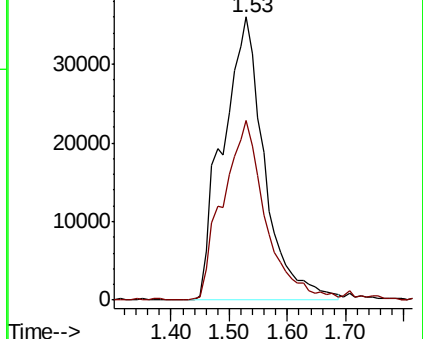
101 100

103 63.5 52.0 78.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 24.862 ug/l

RT: 1.69 min Scan# 107

Delta R.T. -0.02 min

Lab File: VF060382.D

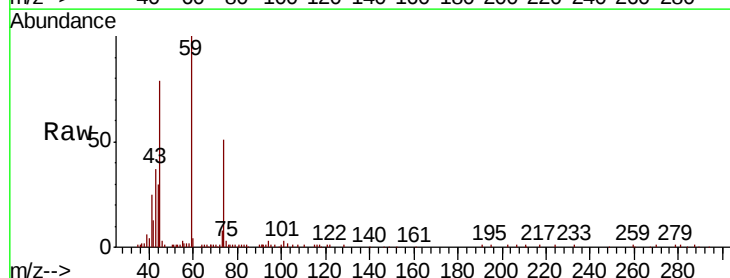
Acq: 28 Sep 2018 22:13

Tgt Ion: 74 Resp: 25376

Ion Ratio Lower Upper

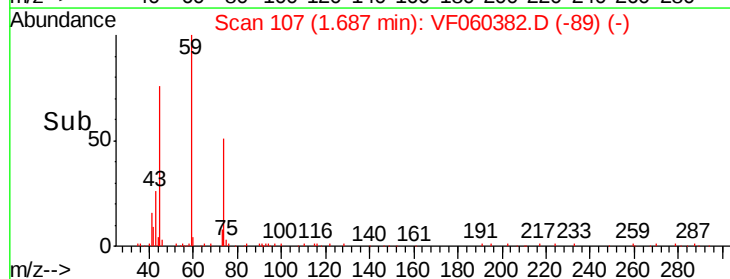
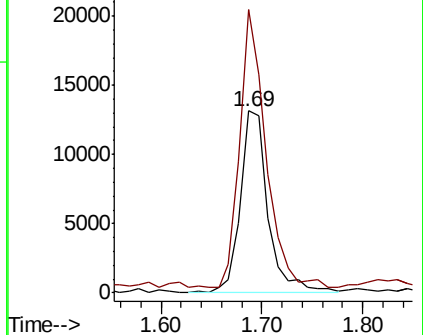
74 100

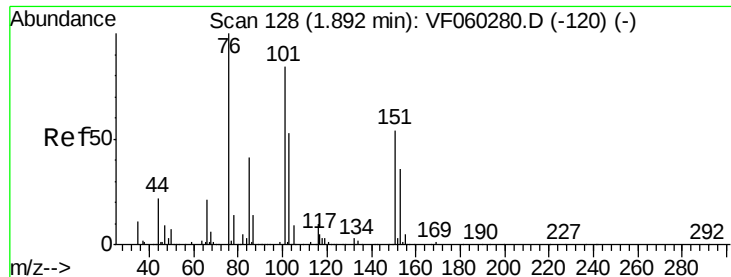
45 155.4 53.9 161.7



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 30.132 ug/l

RT: 1.88 min Scan# 127

Delta R.T. -0.01 min

Lab File: VF060382.D

Acq: 28 Sep 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

VF0928SBSD01

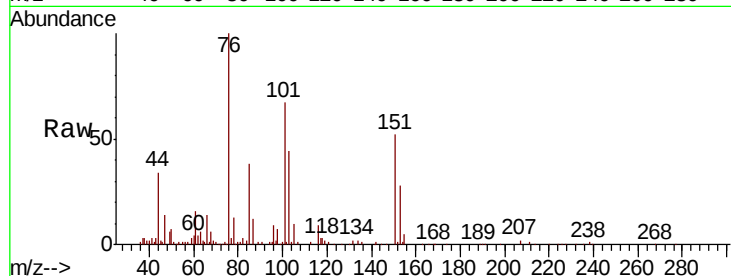
Tot Ion:101 Resp: 98307

Ion Ratio Lower Upper

101 100

85 56.4 38.7 58.1

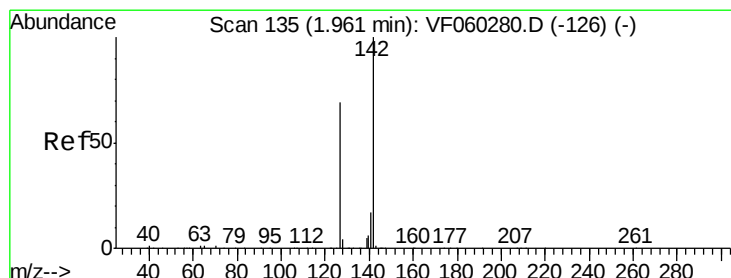
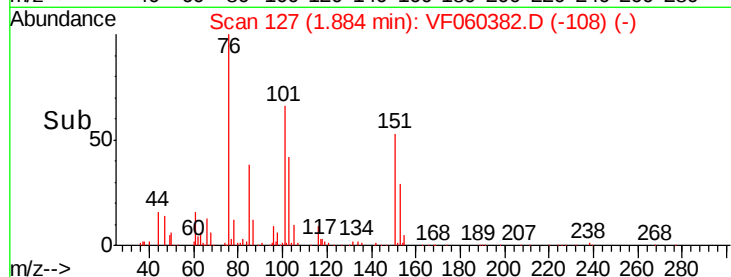
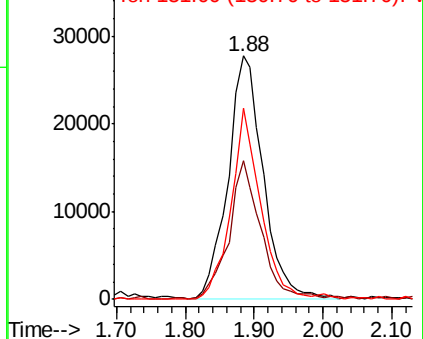
151 77.5 50.8 76.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 29.875 ug/l

RT: 1.95 min Scan# 134

Delta R.T. -0.01 min

Lab File: VF060382.D

Acq: 28 Sep 2018 22:13

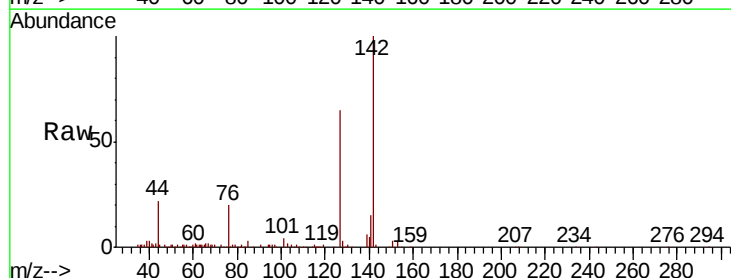
Tgt Ion:142 Resp: 157179

Ion Ratio Lower Upper

142 100

127 64.5 55.4 83.0

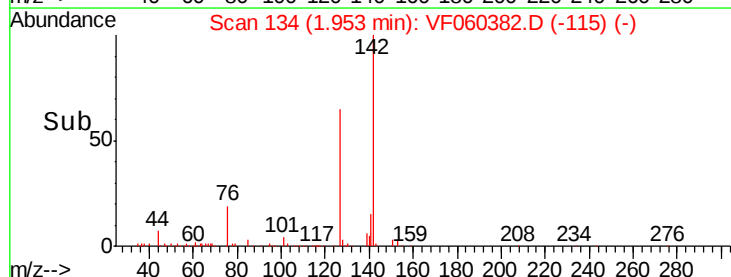
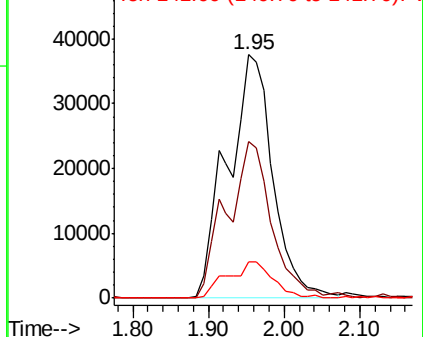
141 14.8 13.3 19.9

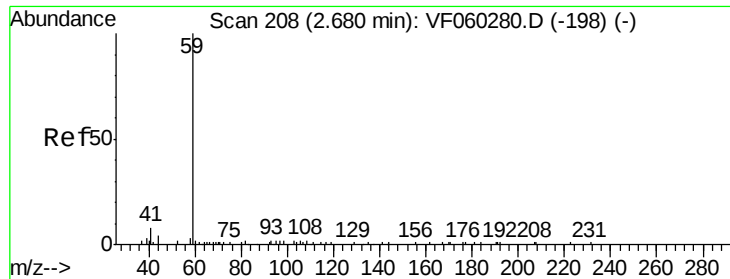


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



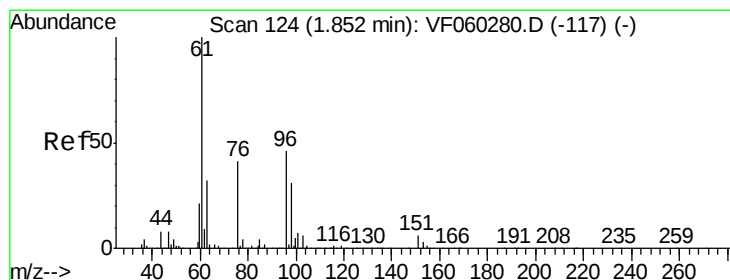
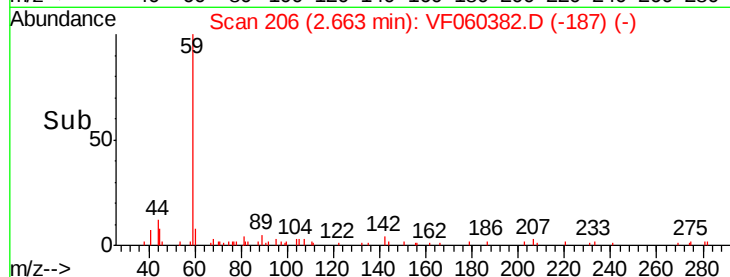
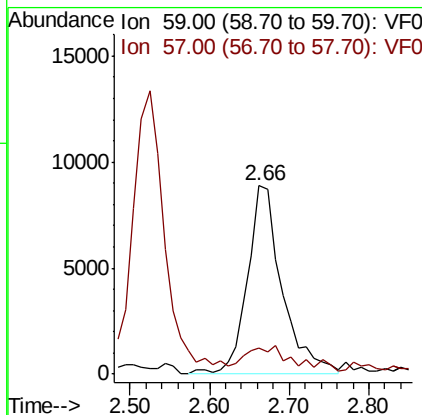
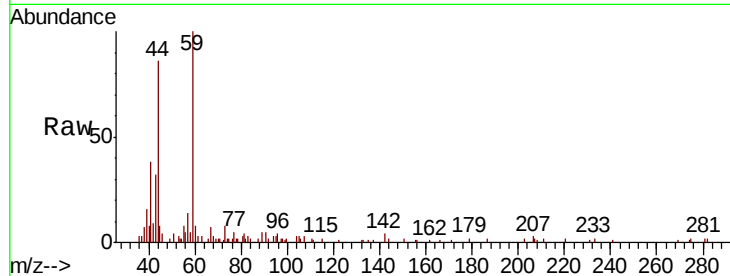


#11

Tert butyl alcohol
 Concen: 142.745 ug/l
 RT: 2.66 min Scan# 206
 Delta R.T. -0.02 min
 Lab File: VF060382.D
 Acq: 28 Sep 2018 22:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0928SBSD01

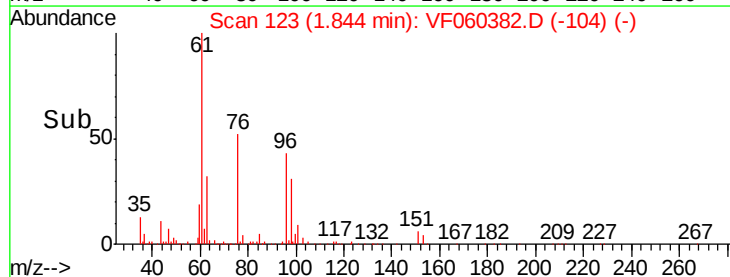
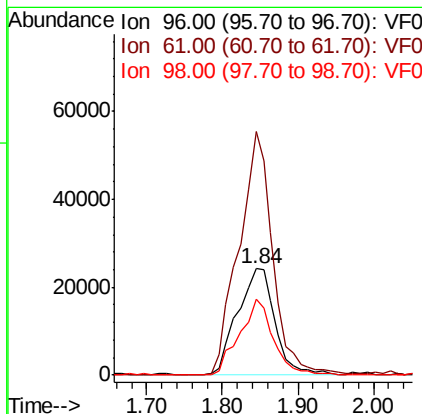
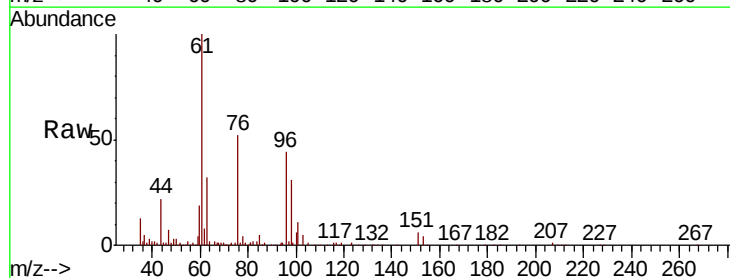
Tot Ion: 59 Resp: 26712
 Ion Ratio Lower Upper
 59 100
 57 13.8 12.4 18.6

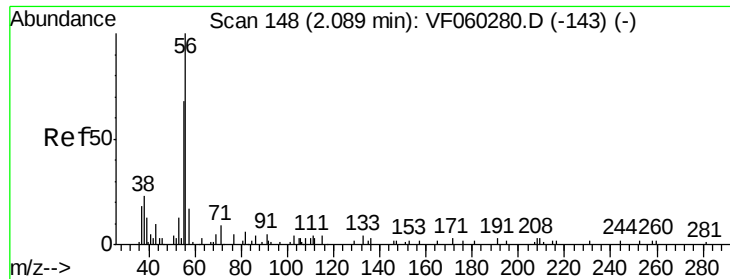


#12

1,1-Dichloroethene
 Concen: 31.152 ug/l
 RT: 1.84 min Scan# 123
 Delta R.T. -0.01 min
 Lab File: VF060382.D
 Acq: 28 Sep 2018 22:13

Tgt Ion: 96 Resp: 84053
 Ion Ratio Lower Upper
 96 100
 61 229.4 172.2 258.2
 98 71.0 54.1 81.1





#13

Acrolein

Concen: 144.488 ug/l

RT: 2.07 min Scan# 146

Delta R.T. -0.02 min

Lab File: VF060382.D

Acq: 28 Sep 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

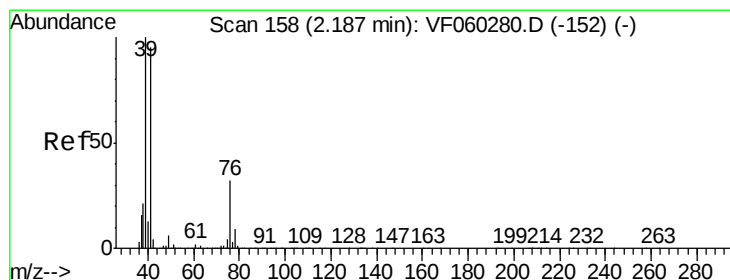
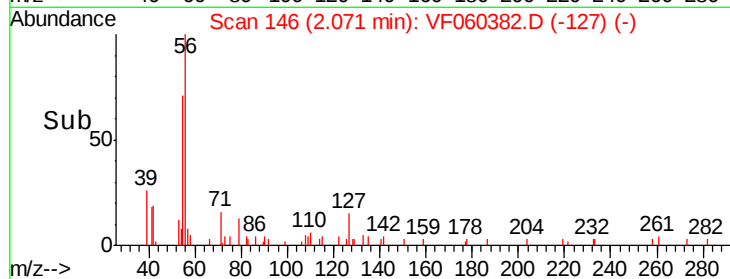
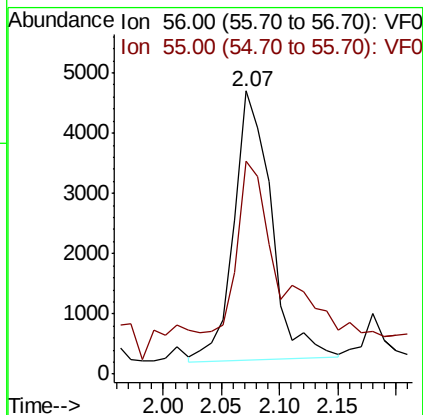
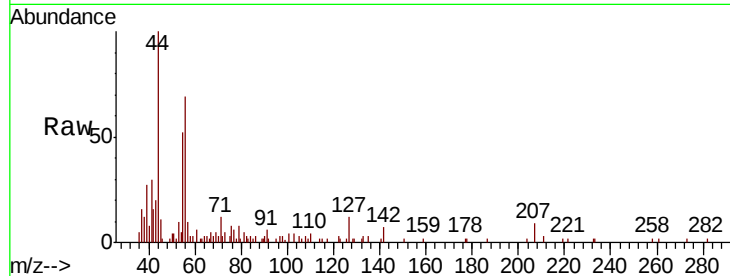
VF0928SBSD01

Tot Ion: 56 Resp: 9987

Ion Ratio Lower Upper

56 100

55 75.3 69.9 104.9



#14

Allyl chloride

Concen: 28.457 ug/l

RT: 2.18 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF060382.D

Acq: 28 Sep 2018 22:13

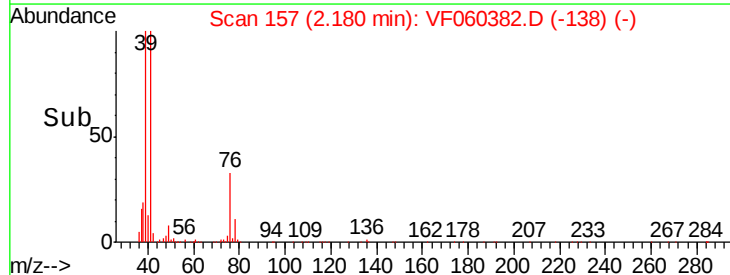
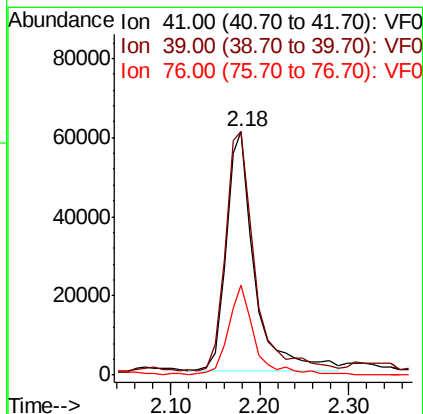
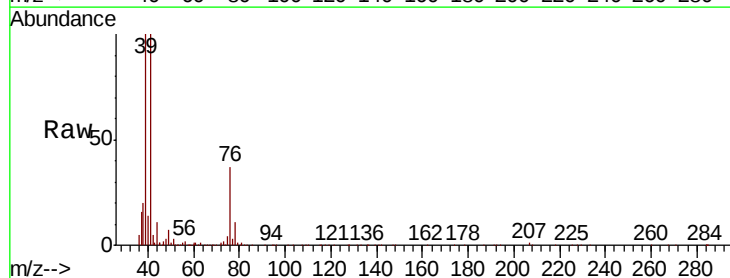
Tgt Ion: 41 Resp: 133991

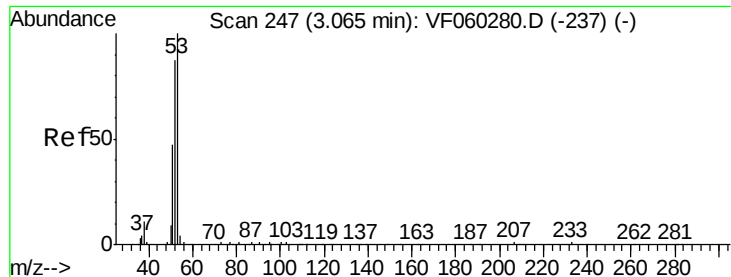
Ion Ratio Lower Upper

41 100

39 100.2 84.8 127.2

76 36.9 27.4 41.2





#15

Acrylonitrile

Concen: 135.739 ug/l

RT: 3.06 min Scan# 246

Delta R.T. -0.01 min

Lab File: VF060382.D

Acq: 28 Sep 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

VF0928SBS01

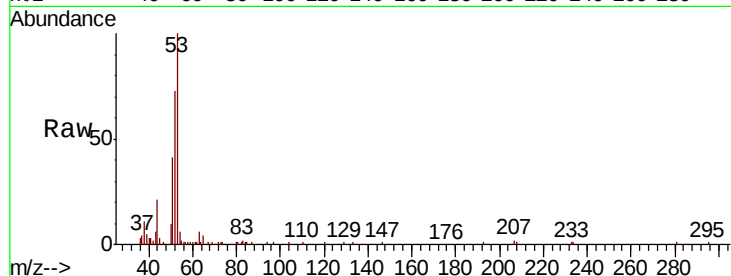
Tot Ion: 53 Resp: 61206

Ion Ratio Lower Upper

53 100

52 73.3 69.5 104.3

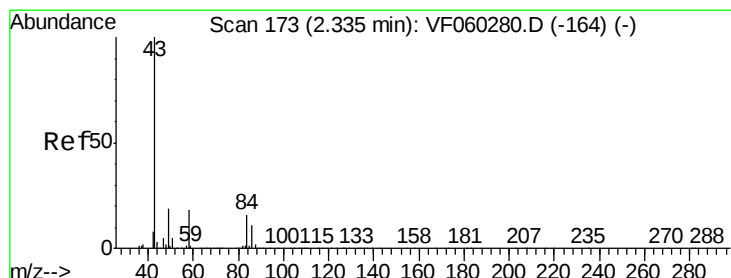
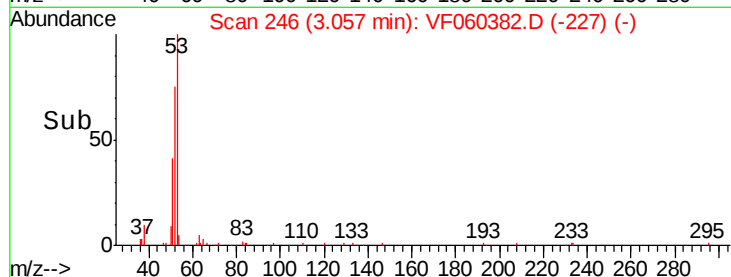
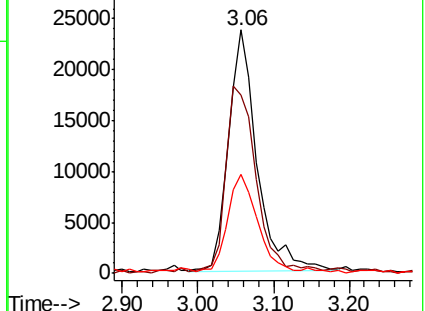
51 40.8 38.1 57.1



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 119.830 ug/l

RT: 2.32 min Scan# 171

Delta R.T. -0.02 min

Lab File: VF060382.D

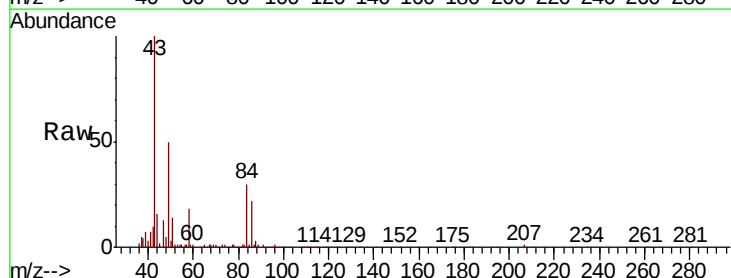
Acq: 28 Sep 2018 22:13

Tgt Ion: 43 Resp: 107742

Ion Ratio Lower Upper

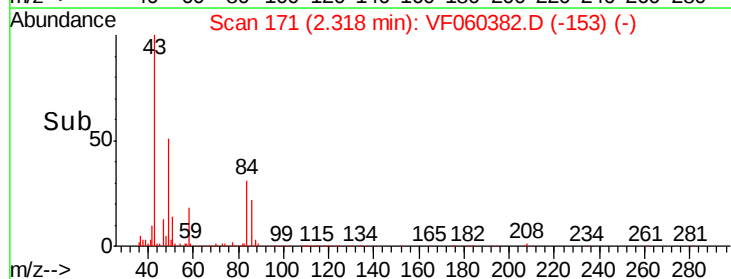
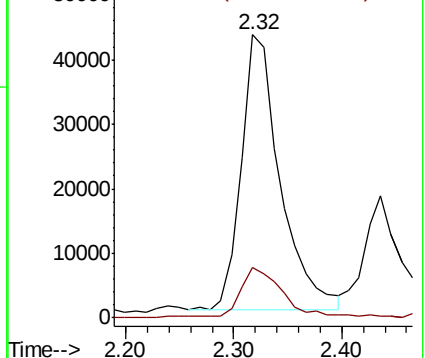
43 100

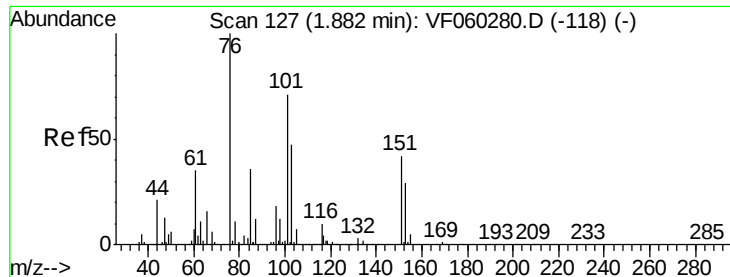
58 18.0 14.5 21.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 32.887 ug/l

RT: 1.88 min Scan# 127

Delta R.T. 0.00 min

Lab File: VF060382.D

Acq: 28 Sep 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

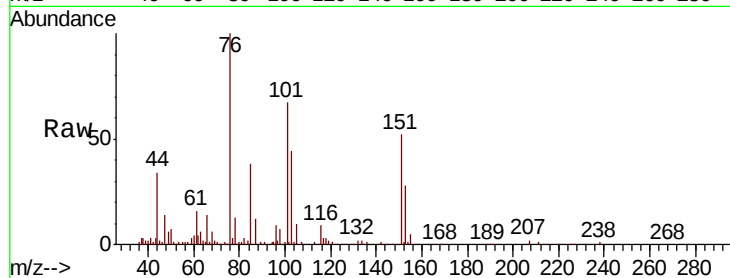
VF0928SBSD01

Tot Ion: 76 Resp: 239022

Ion Ratio Lower Upper

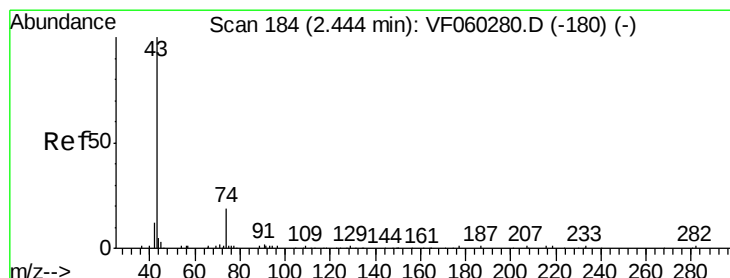
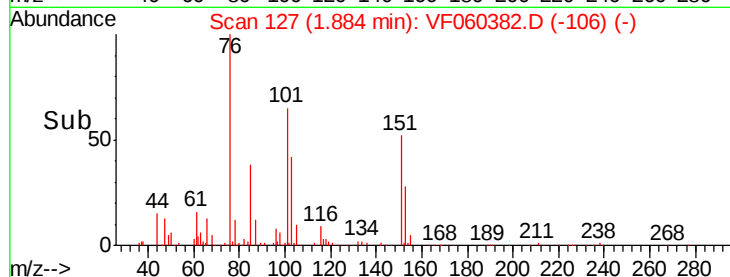
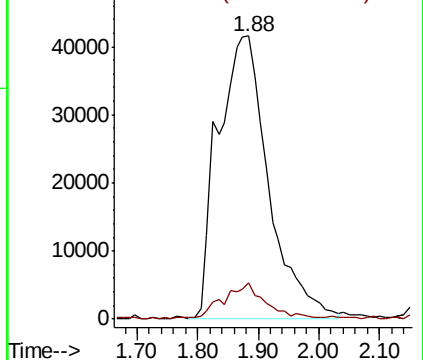
76 100

78 12.8 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: 25.261 ug/l

RT: 2.44 min Scan# 183

Delta R.T. -0.01 min

Lab File: VF060382.D

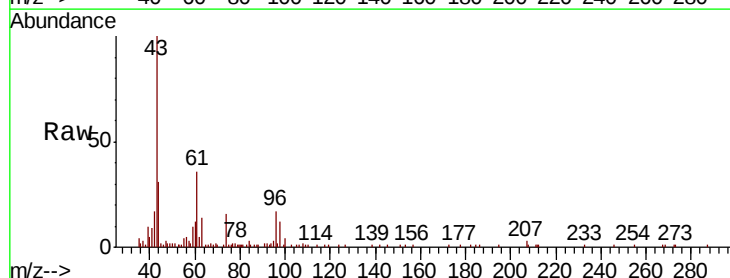
Acq: 28 Sep 2018 22:13

Tgt Ion: 43 Resp: 37838

Ion Ratio Lower Upper

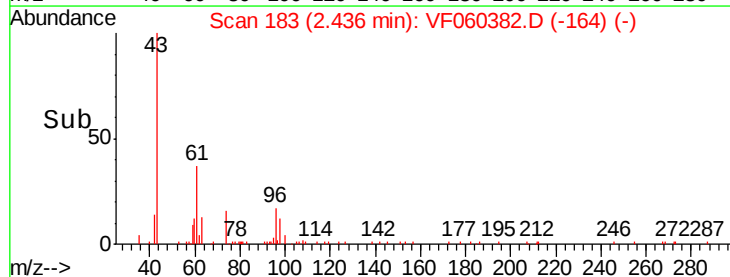
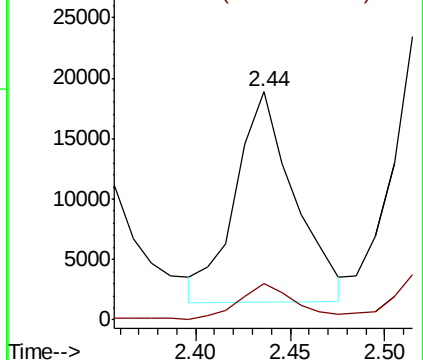
43 100

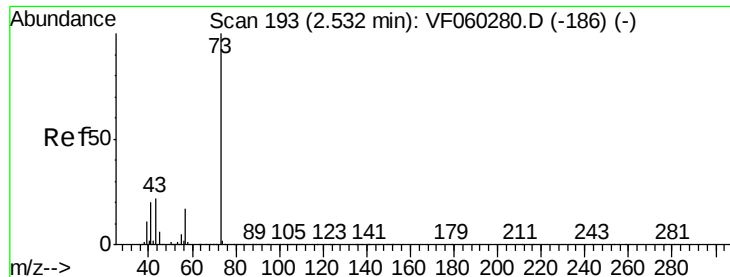
74 15.9 12.7 19.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

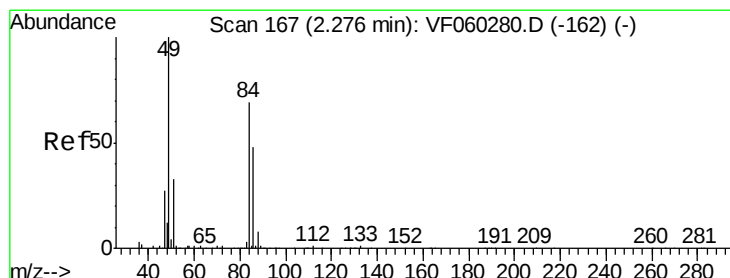
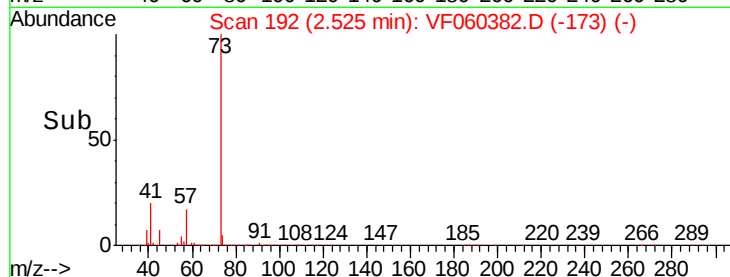
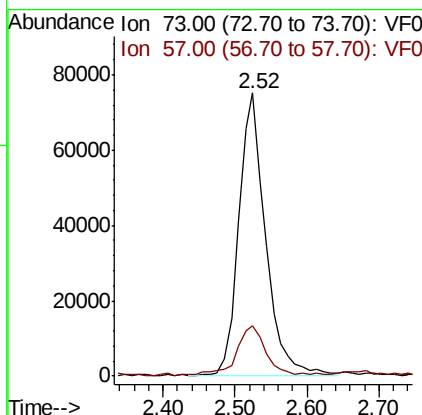
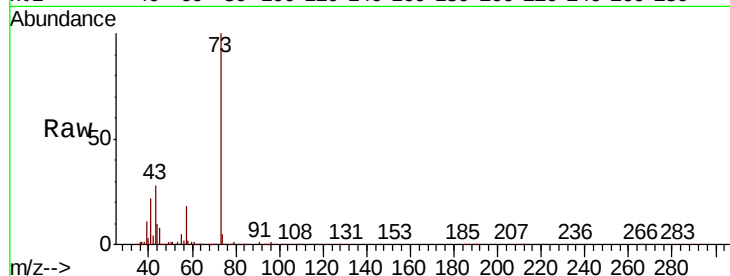




#19
Methvl tert-butvl Ether
Concen: 28.868 ug/l
RT: 2.52 min Scan# 192
Delta R.T. -0.01 min
Lab File: VF060382.D
Acq: 28 Sep 2018 22:13

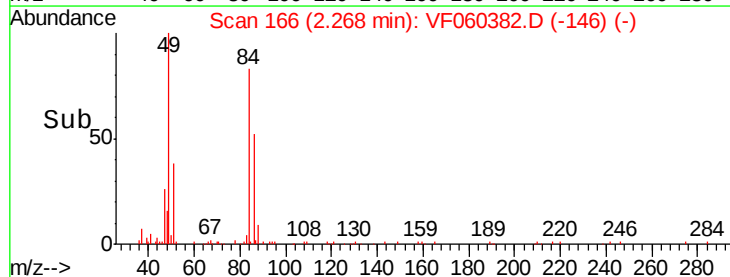
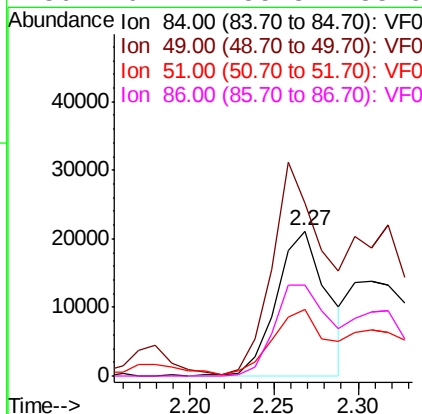
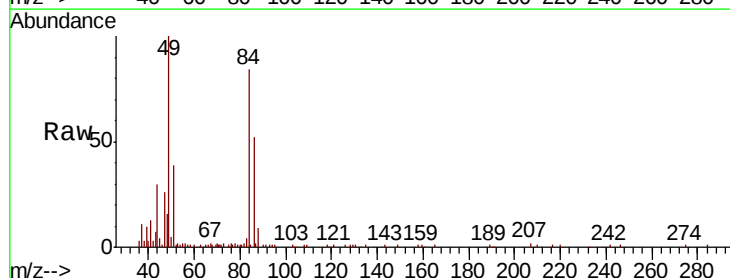
Instrument :
MSVOA_F
ClientSampleId :
VF0928SBS01

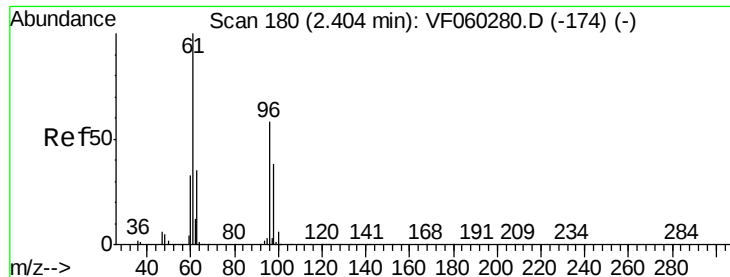
Tot Ion: 73 Resp: 194177
Ion Ratio Lower Upper
73 100
57 17.8 14.5 21.7



#20
Methylene Chloride
Concen: 12.691 ug/l
RT: 2.27 min Scan# 166
Delta R.T. -0.01 min
Lab File: VF060382.D
Acq: 28 Sep 2018 22:13

Tgt Ion: 84 Resp: 44288
Ion Ratio Lower Upper
84 100
49 119.5 118.3 177.5
51 46.4 38.7 58.1
86 62.7 55.8 83.6





#21

trans-1,2-Dichloroethene

Concen: 28.921 ug/l

RT: 2.40 min Scan# 179

Delta R.T. -0.01 min

Lab File: VF060382.D

Acq: 28 Sep 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

VF0928SBS01

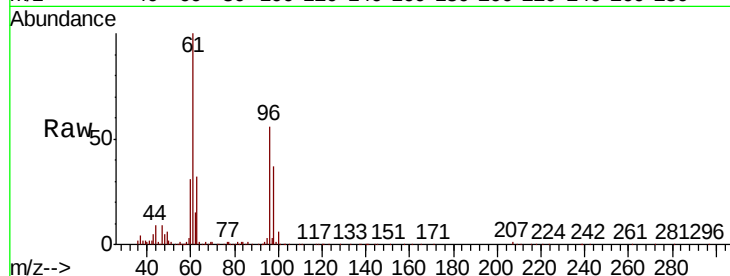
Tot Ion: 96 Resp: 80596

Ion Ratio Lower Upper

96 100

61 178.9 136.4 204.6

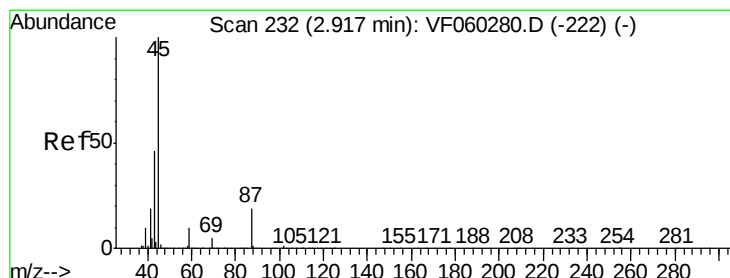
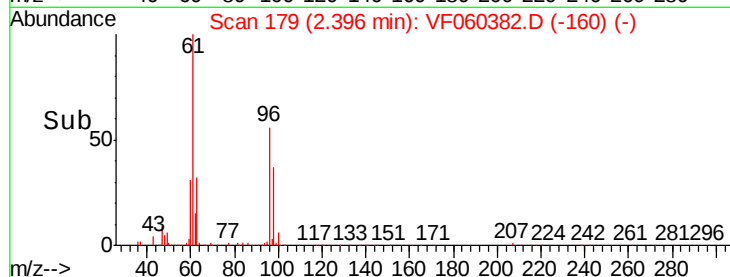
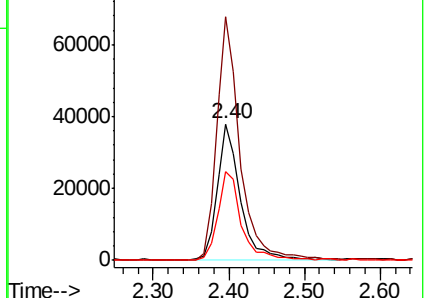
98 65.6 51.8 77.6



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 26.717 ug/l

RT: 2.91 min Scan# 231

Delta R.T. -0.01 min

Lab File: VF060382.D

Acq: 28 Sep 2018 22:13

Tgt Ion: 45 Resp: 237349

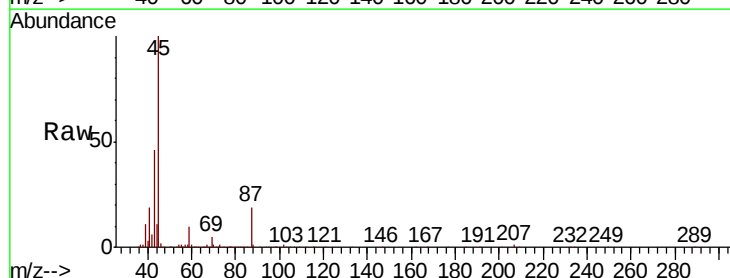
Ion Ratio Lower Upper

45 100

43 46.0 38.2 57.2

87 19.2 15.5 23.3

59 10.4 7.7 11.5

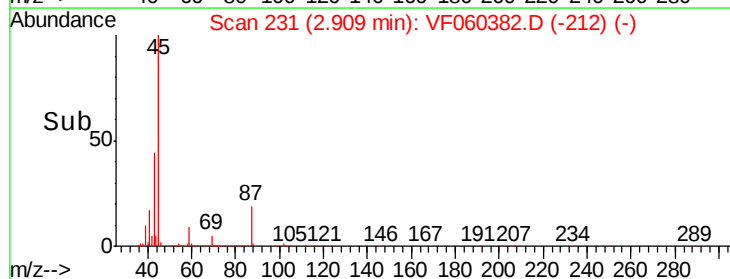
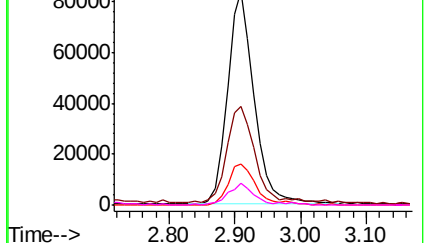


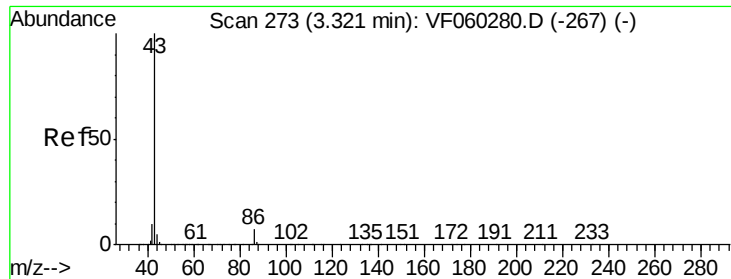
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 135.811 ug/l

RT: 3.31 min Scan# 272

Delta R.T. -0.01 min

Lab File: VF060382.D

Acq: 28 Sep 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

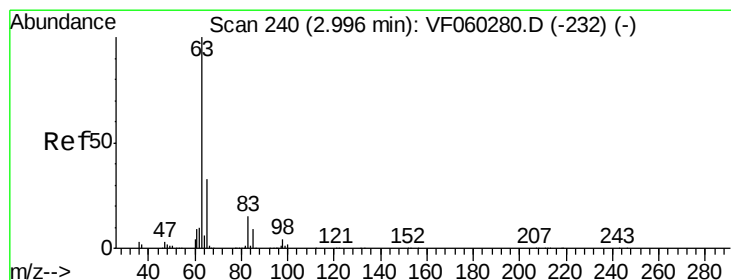
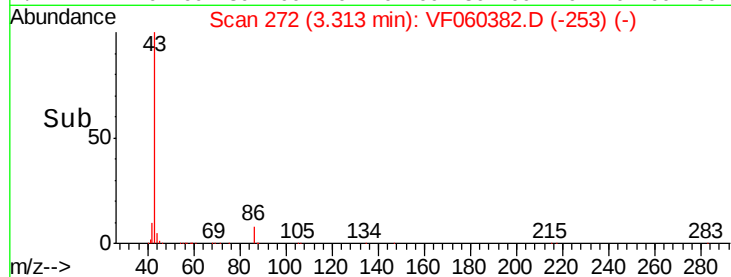
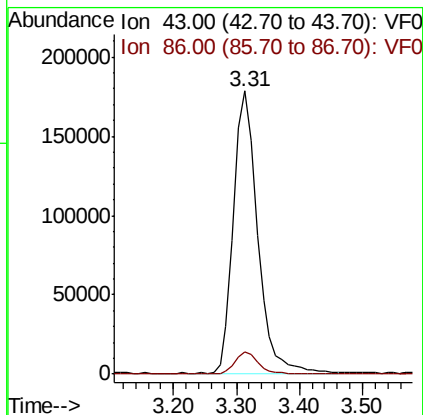
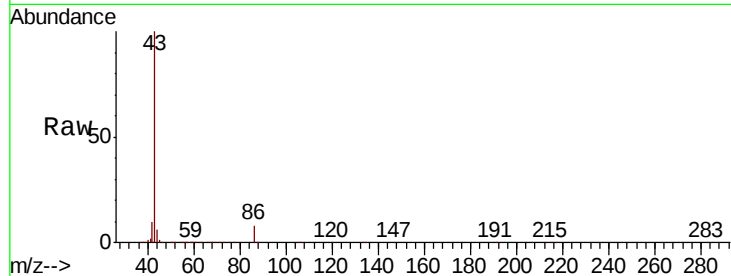
VF0928SBSD01

Tot Ion: 43 Resp: 473855

Ion Ratio Lower Upper

43 100

86 8.0 5.9 8.9



#24

1,1-Dichloroethane

Concen: 26.139 ug/l

RT: 2.99 min Scan# 239

Delta R.T. -0.01 min

Lab File: VF060382.D

Acq: 28 Sep 2018 22:13

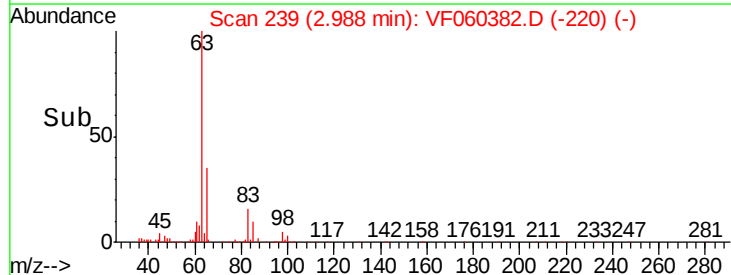
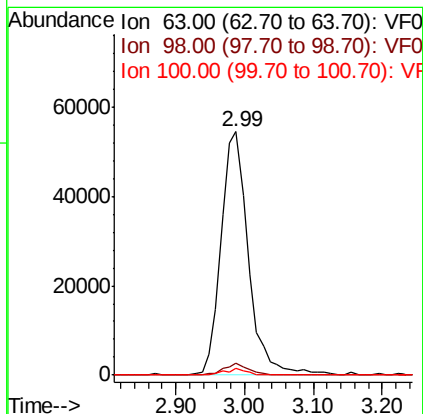
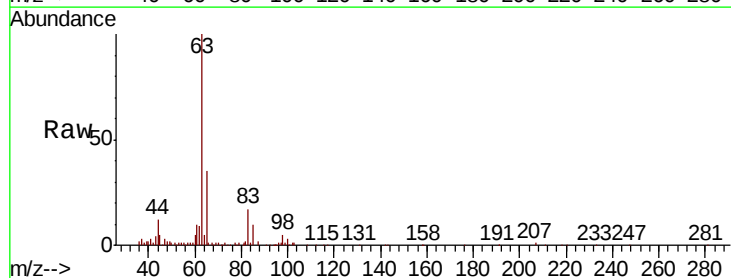
Tgt Ion: 63 Resp: 150595

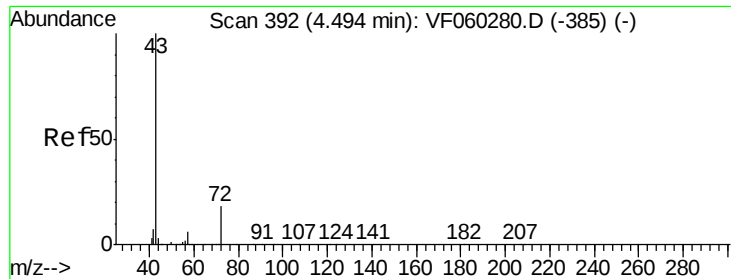
Ion Ratio Lower Upper

63 100

98 5.0 2.1 6.5

100 3.1 1.1 3.3





#25

2-Butanone

Concen: 106.109 ug/l

RT: 4.49 min Scan# 391

Delta R.T. -0.01 min

Lab File: VF060382.D

Acq: 28 Sep 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

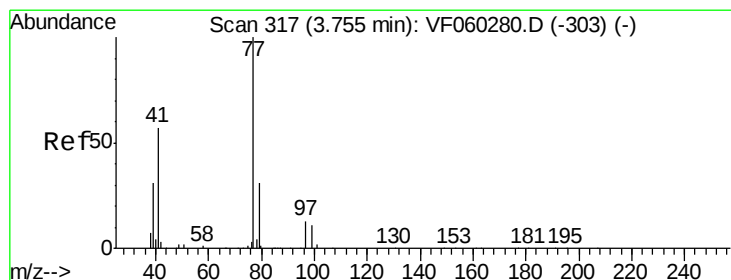
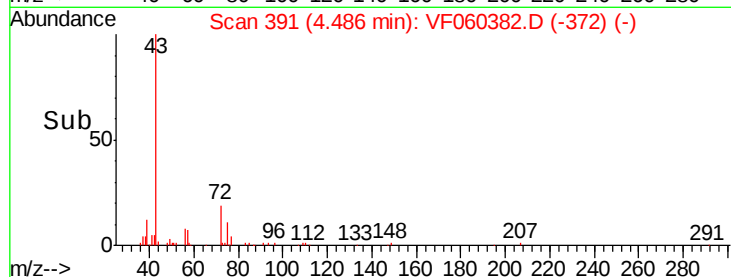
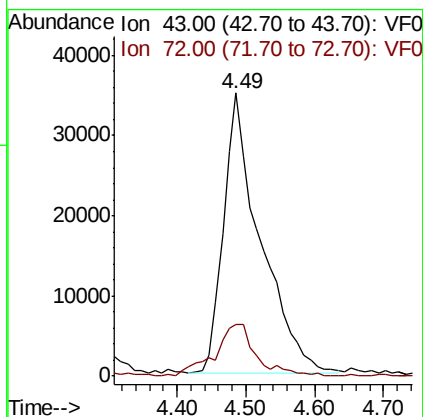
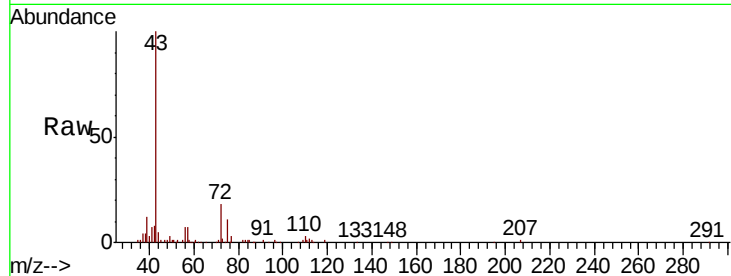
VF0928SBSD01

Tot Ion: 43 Resp: 128414

Ion Ratio Lower Upper

43 100

72 18.1 16.2 24.2



#26

2,2-Dichloropropane

Concen: 25.674 ug/l

RT: 3.75 min Scan# 316

Delta R.T. -0.01 min

Lab File: VF060382.D

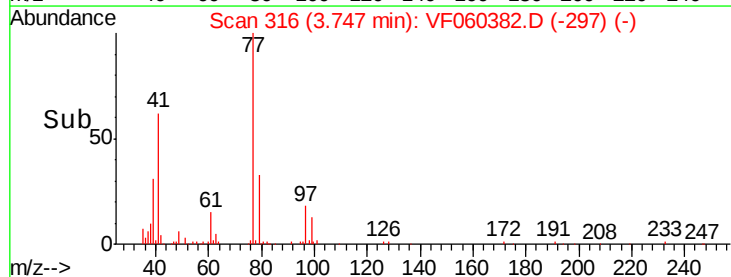
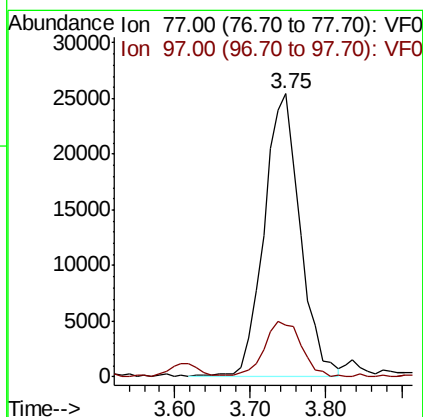
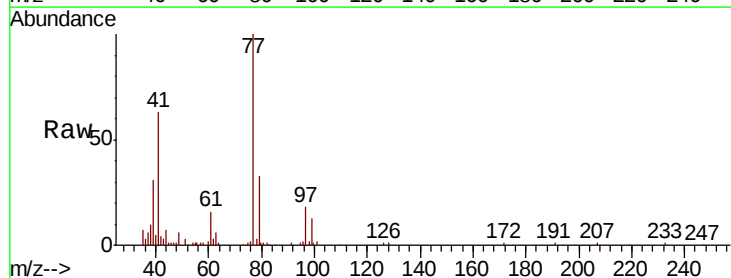
Acq: 28 Sep 2018 22:13

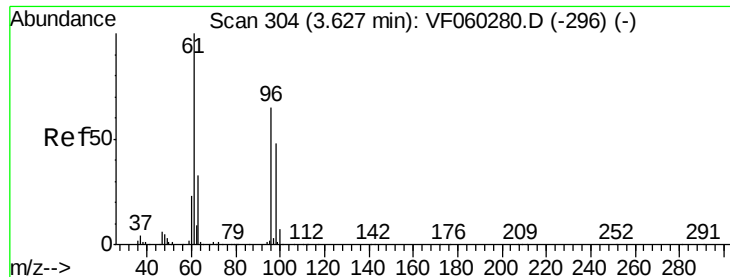
Tgt Ion: 77 Resp: 84399

Ion Ratio Lower Upper

77 100

97 18.3 9.3 27.9



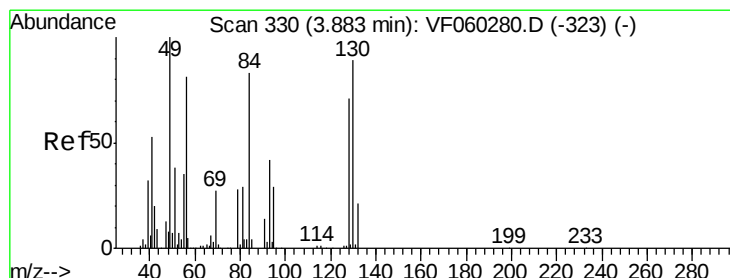
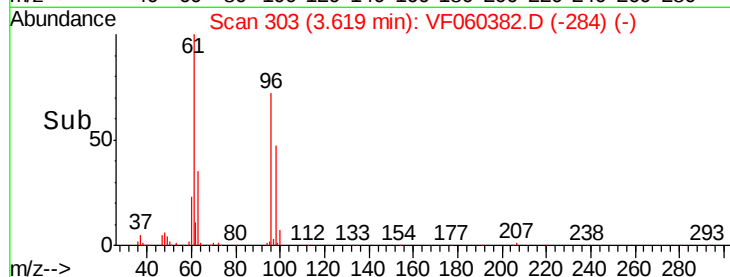
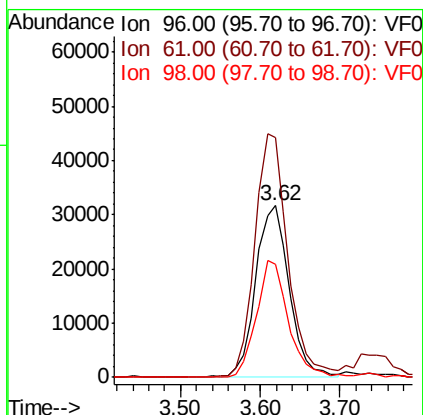
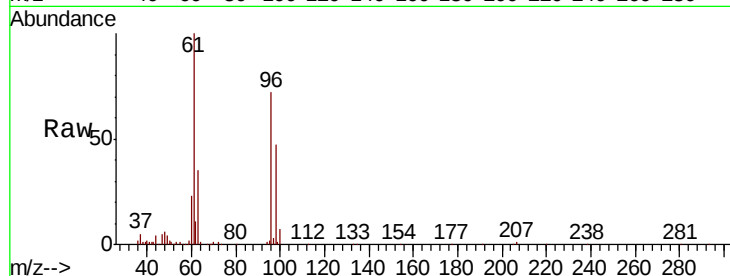


#27

cis-1,2-Dichloroethene
Concen: 25.119 ug/l
RT: 3.62 min Scan# 303
Delta R.T. -0.01 min
Lab File: VF060382.D
Acq: 28 Sep 2018 22:13

Instrument :
MSVOA_F
ClientSampleId :
VF0928SBS01

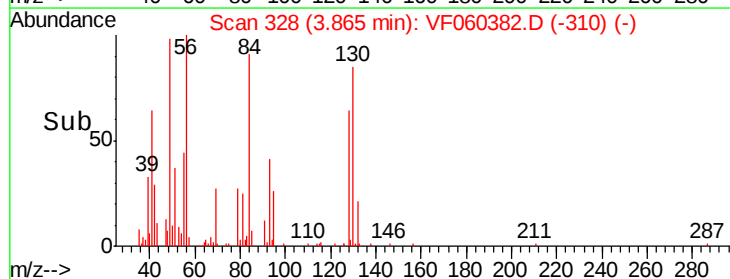
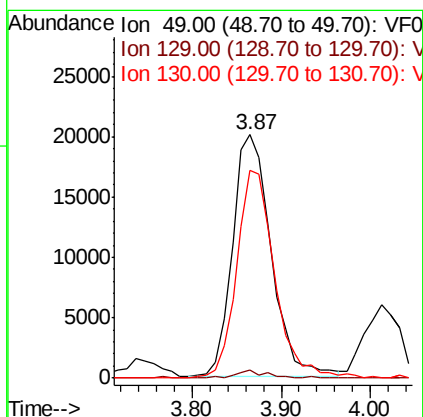
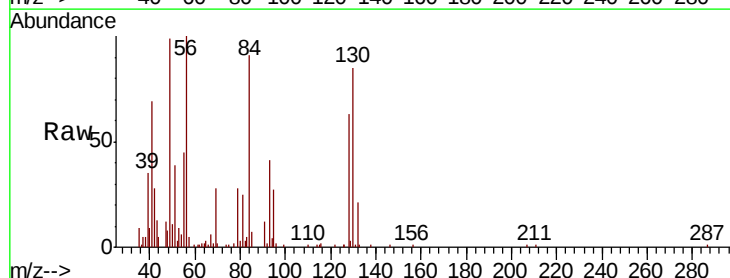
Tot Ion	96	Resp	91963
Ion	Ratio	Lower	Upper
96	100		
61	139.7	0.0	304.8
98	65.7	0.0	146.4

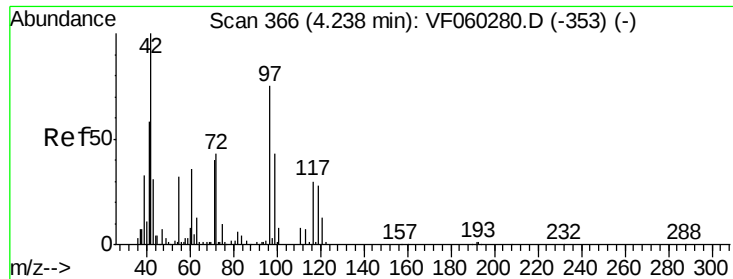


#28

Bromochloromethane
Concen: 26.939 ug/l
RT: 3.87 min Scan# 328
Delta R.T. -0.02 min
Lab File: VF060382.D
Acq: 28 Sep 2018 22:13

Tgt Ion	49	Resp	60426
Ion	Ratio	Lower	Upper
49	100		
129	3.1	0.0	4.2
130	86.6	70.3	105.5

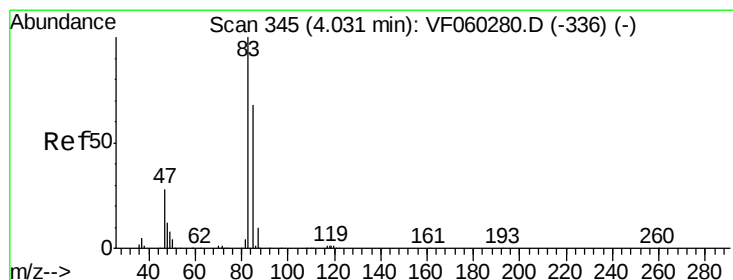
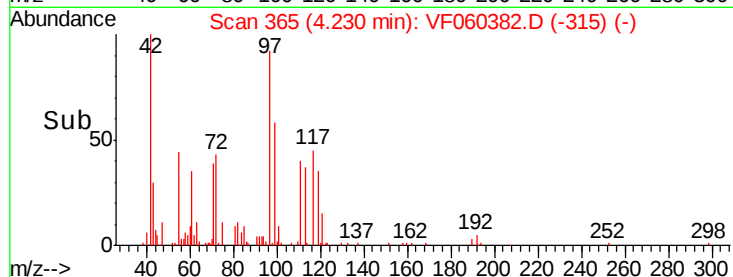
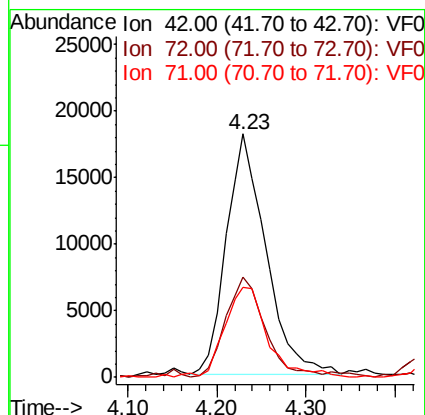
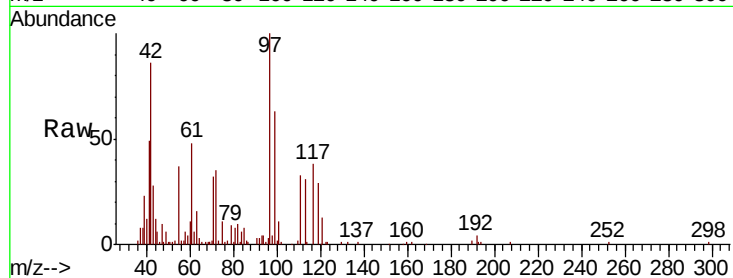




#29
Tetrahydrofuran
Concen: 127.372 ug/l
RT: 4.23 min Scan# 365
Delta R.T. -0.01 min
Lab File: VF060382.D
Acq: 28 Sep 2018 22:13

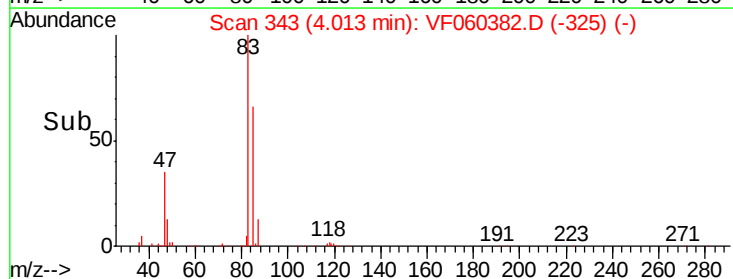
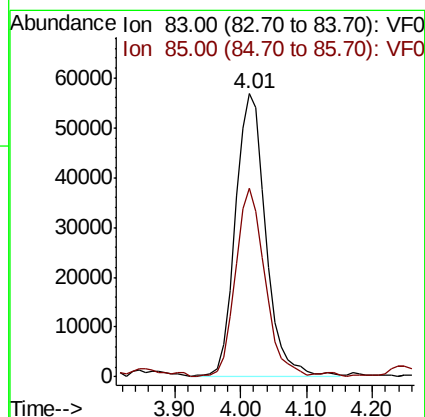
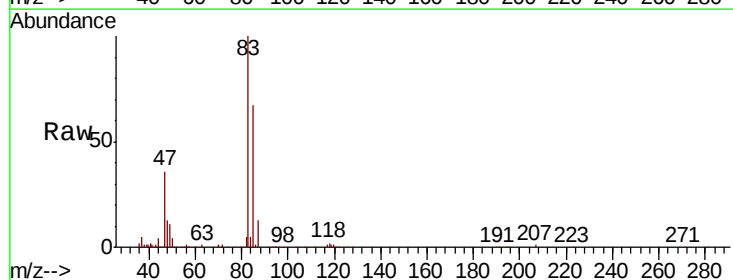
Instrument :
MSVOA_F
ClientSampleId :
VF0928SBS01

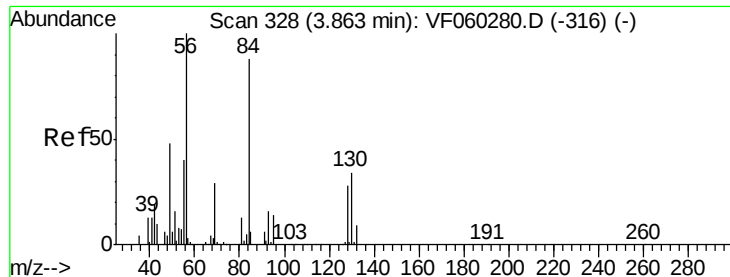
Tot Ion: 42 Resp: 56449
Ion Ratio Lower Upper
42 100
72 41.2 32.6 49.0
71 40.8 32.7 49.1



#30
Chloroform
Concen: 26.147 ug/l
RT: 4.01 min Scan# 343
Delta R.T. -0.02 min
Lab File: VF060382.D
Acq: 28 Sep 2018 22:13

Tgt Ion: 83 Resp: 181766
Ion Ratio Lower Upper
83 100
85 66.7 54.9 82.3

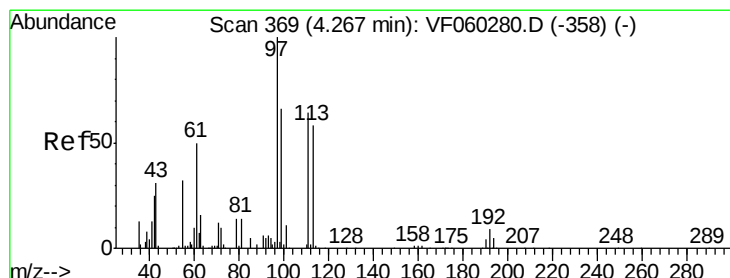
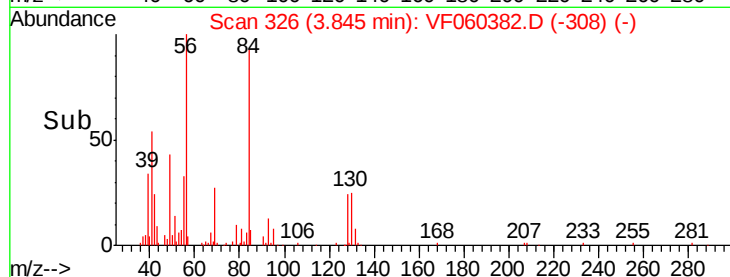
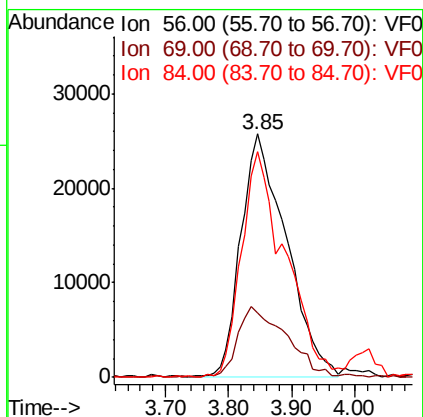
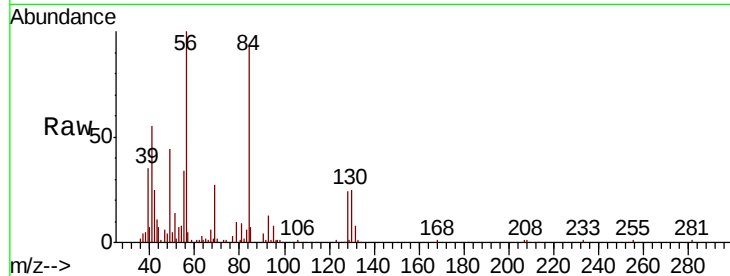




#31
Cyclohexane
Concen: 26.464 ug/l
RT: 3.85 min Scan# 326
Delta R.T. -0.02 min
Lab File: VF060382.D
Acq: 28 Sep 2018 22:13

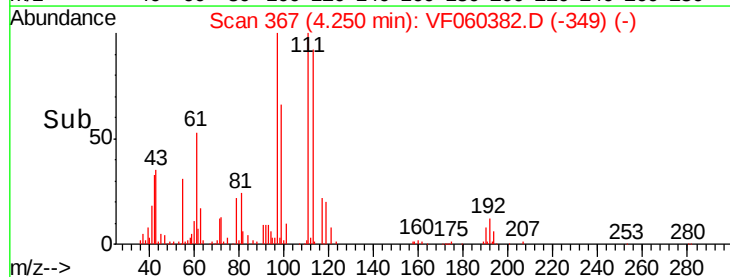
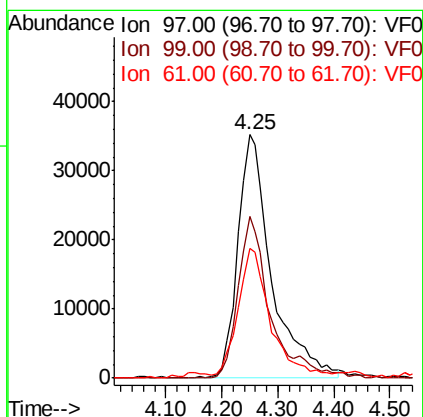
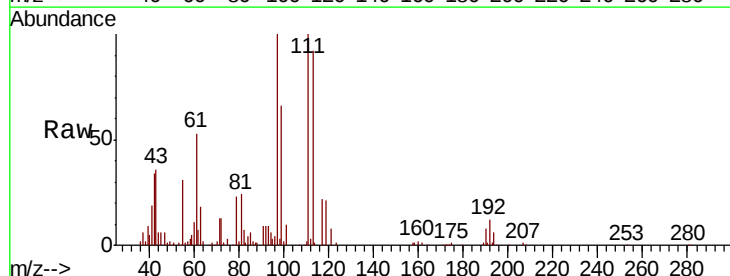
Instrument :
MSVOA_F
ClientSampleId :
VF0928SBS01

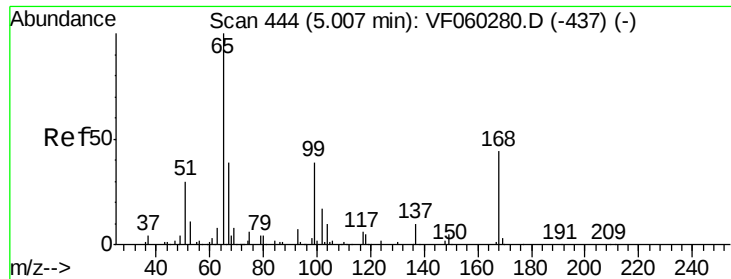
Tot Ion: 56 Resp: 128788
Ion Ratio Lower Upper
56 100
69 26.6 23.8 35.6
84 92.5 70.2 105.4



#32
1,1,1-Trichloroethane
Concen: 26.755 ug/l
RT: 4.25 min Scan# 367
Delta R.T. -0.02 min
Lab File: VF060382.D
Acq: 28 Sep 2018 22:13

Tgt Ion: 97 Resp: 146760
Ion Ratio Lower Upper
97 100
99 66.5 53.0 79.4
61 53.4 40.6 61.0





#33

1,2-Dichloroethane-d4

Concen: 49.008 ug/l

RT: 5.00 min Scan# 443

Delta R.T. -0.01 min

Lab File: VF060382.D

Acq: 28 Sep 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

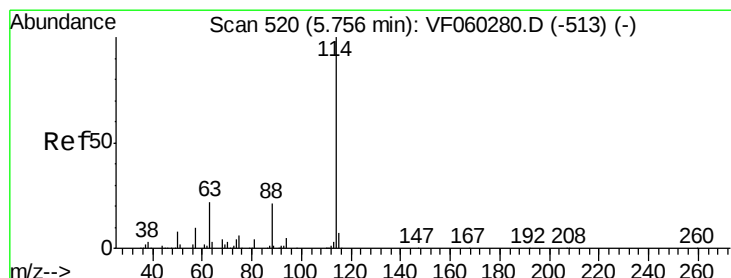
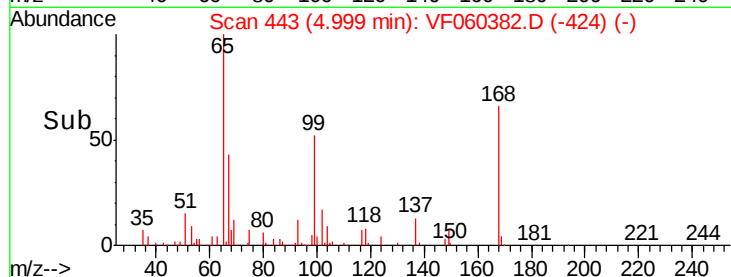
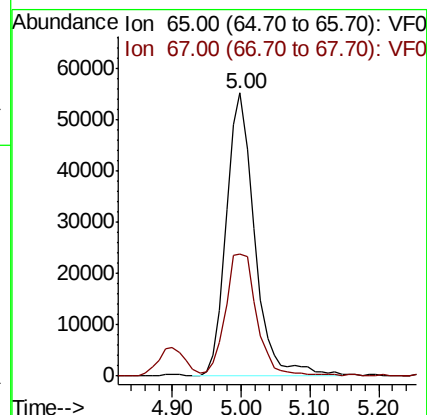
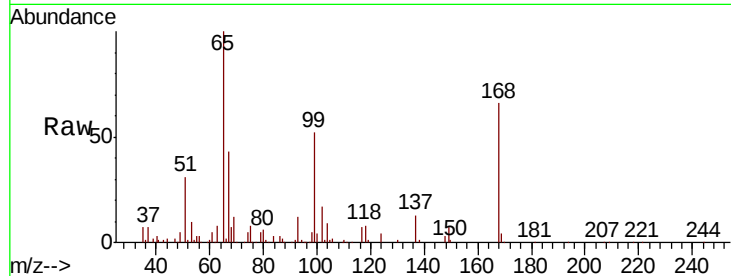
VF0928SBSD01

Tot Ion: 65 Resp: 156467

Ion Ratio Lower Upper

65 100

67 43.0 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: VF060382.D

Acq: 28 Sep 2018 22:13

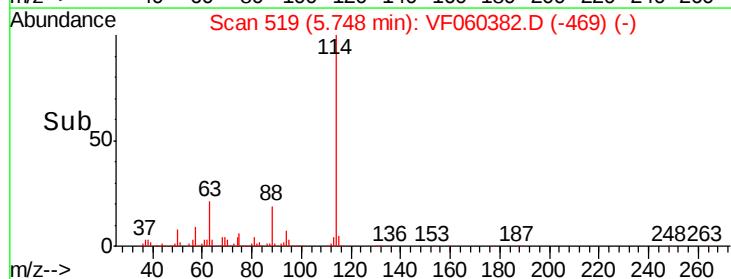
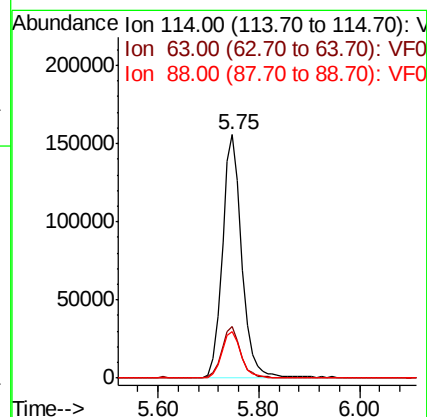
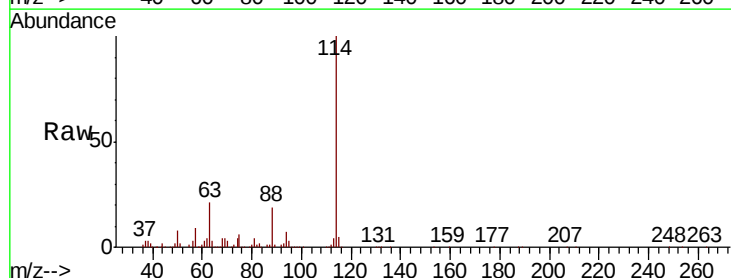
Tgt Ion:114 Resp: 418753

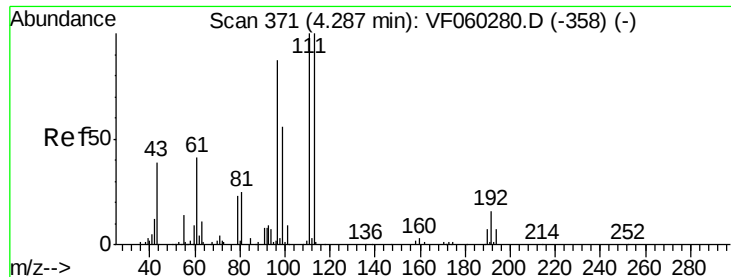
Ion Ratio Lower Upper

114 100

63 21.0 0.0 43.8

88 19.2 0.0 41.2





#35

Dibromofluoromethane

Concen: 47.598 ug/l

RT: 4.27 min Scan# 369

Delta R.T. -0.02 min

Lab File: VF060382.D

Acq: 28 Sep 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

VF0928SBSD01

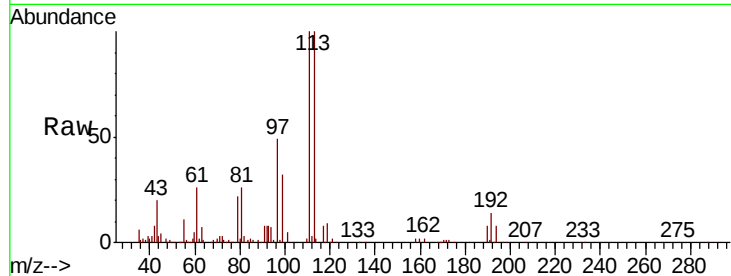
Tot Ion:113 Resp: 177679

Ion Ratio Lower Upper

113 100

111 99.7 79.6 119.4

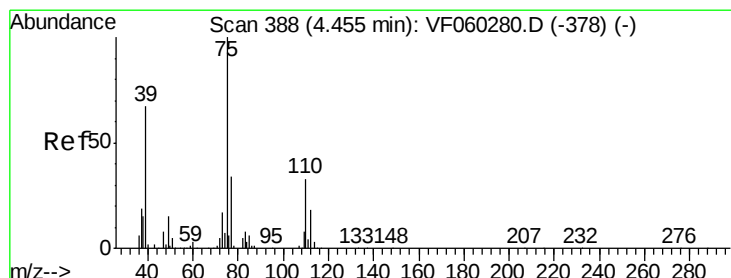
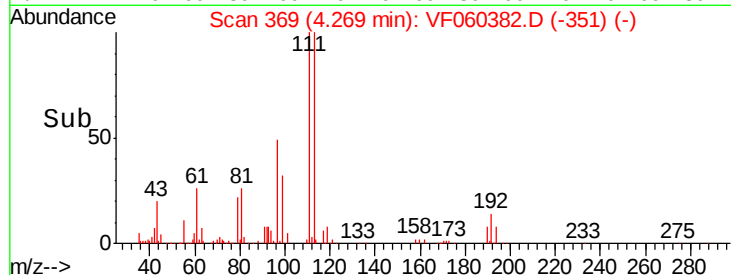
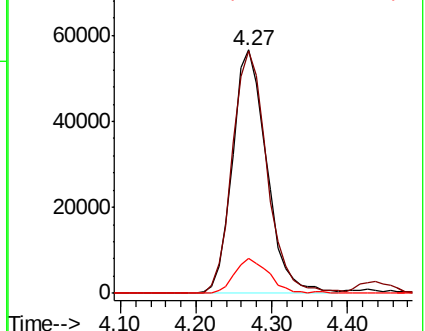
192 14.2 13.0 19.6



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 23.619 ug/l

RT: 4.44 min Scan# 386

Delta R.T. -0.02 min

Lab File: VF060382.D

Acq: 28 Sep 2018 22:13

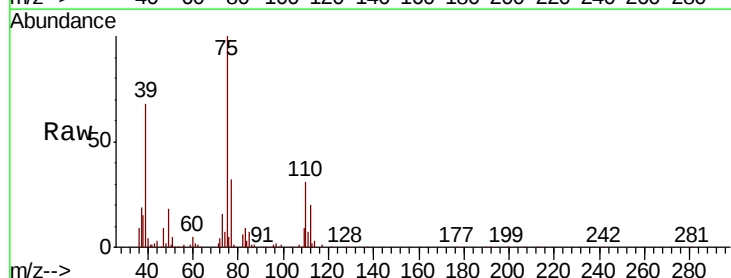
Tgt Ion: 75 Resp: 123371

Ion Ratio Lower Upper

75 100

110 30.8 16.4 49.2

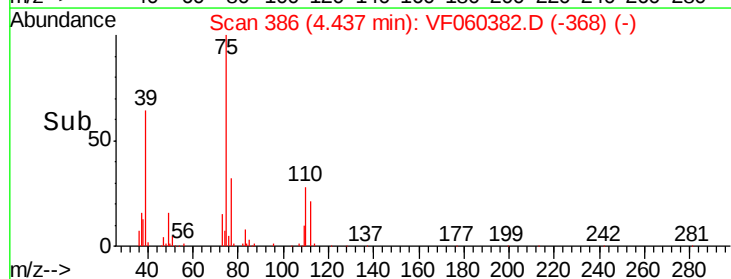
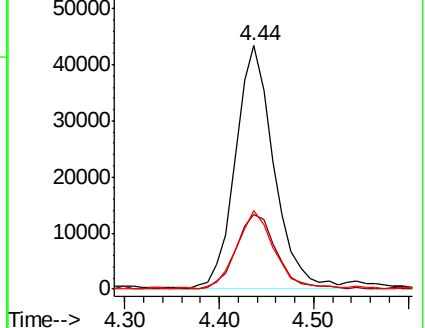
77 32.5 27.3 40.9

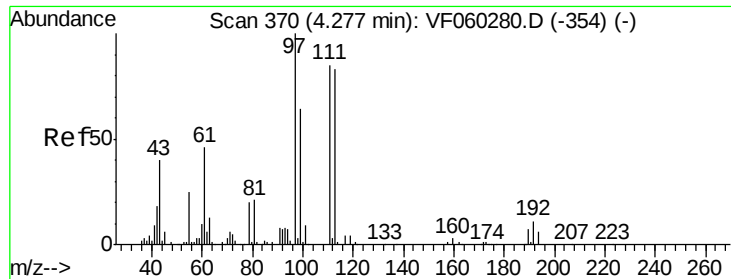


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

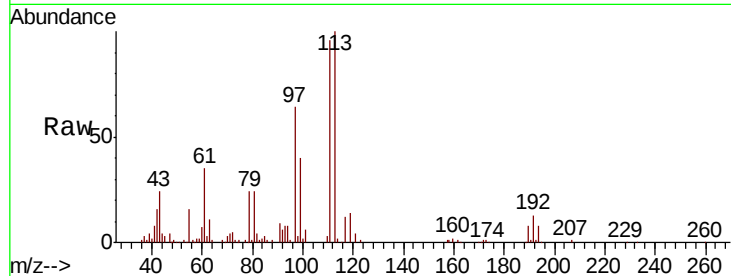




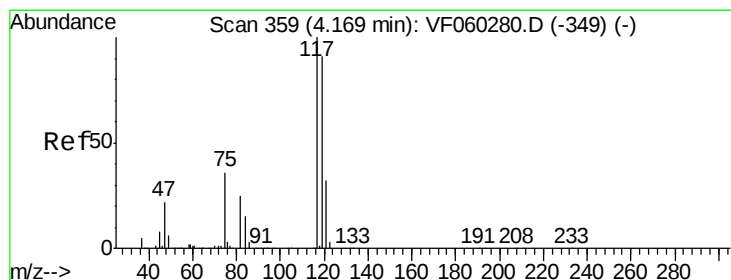
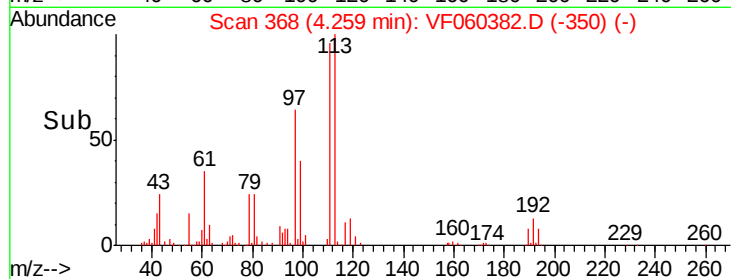
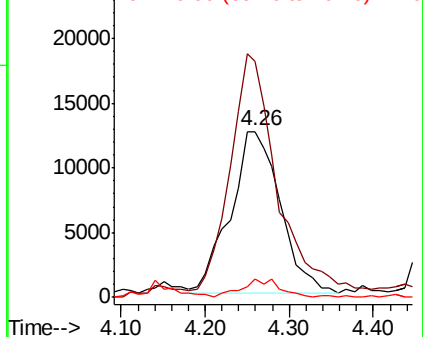
#37
Ethyl Acetate
Concen: 23.436 ug/l
RT: 4.26 min Scan# 368
Delta R.T. -0.02 min
Lab File: VF060382.D
Acq: 28 Sep 2018 22:13

Instrument :
MSVOA_F
ClientSampleId :
VF0928SBS01

Tot Ion: 43 Resp: 51796
Ion Ratio Lower Upper
43 100
61 142.4 91.1 136.7#
70 10.7 6.9 10.3#

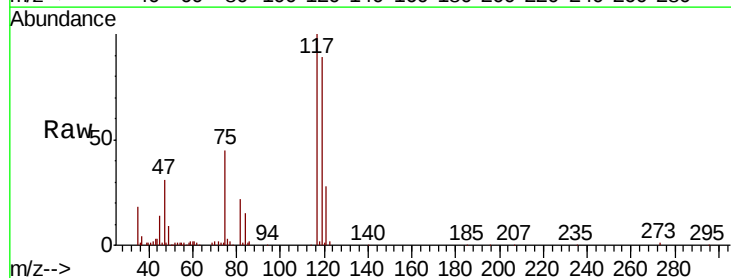


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

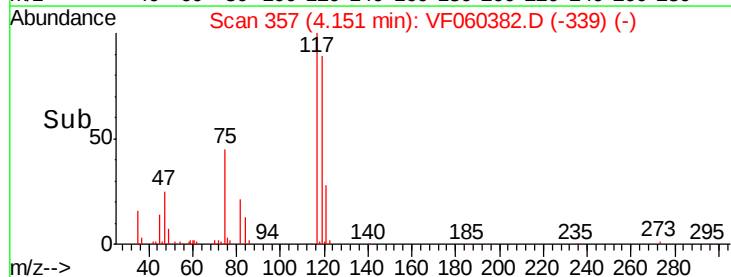
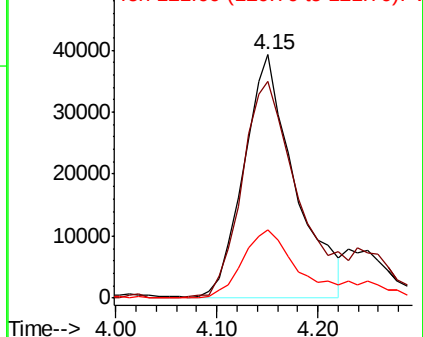


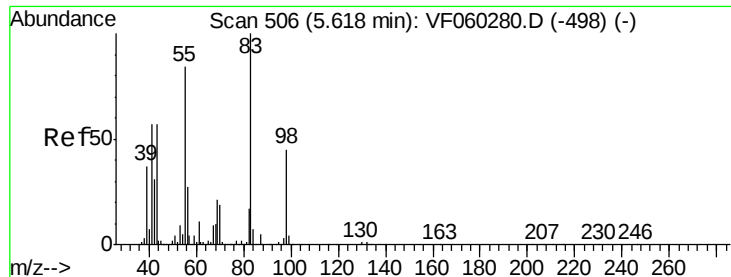
#38
Carbon Tetrachloride
Concen: 24.687 ug/l
RT: 4.15 min Scan# 357
Delta R.T. -0.02 min
Lab File: VF060382.D
Acq: 28 Sep 2018 22:13

Tgt Ion:117 Resp: 138506
Ion Ratio Lower Upper
117 100
119 89.2 73.0 109.6
121 27.9 25.4 38.2



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

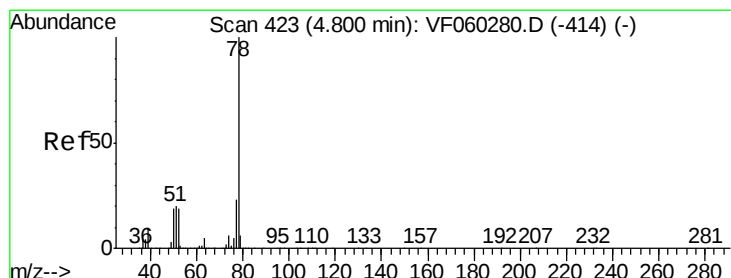
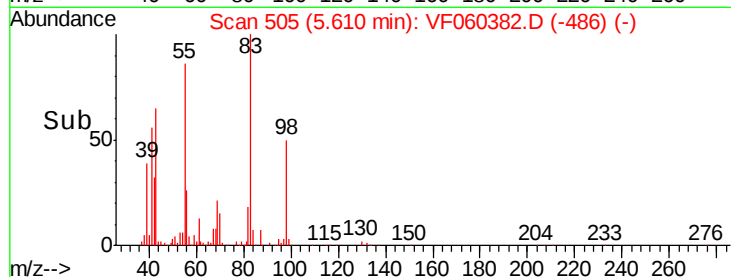
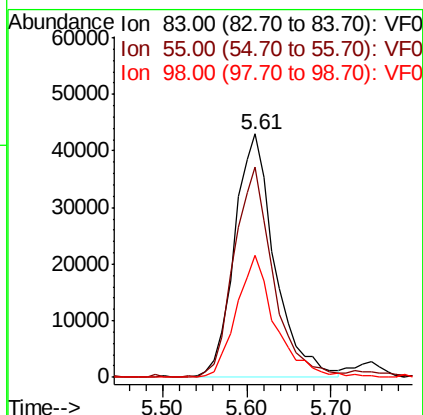
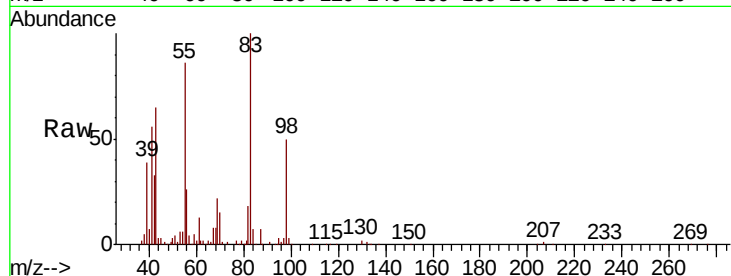




#39
Methvlcvclohexane
Concen: 25.321 ug/l
RT: 5.61 min Scan# 505
Delta R.T. -0.01 min
Lab File: VF060382.D
Acq: 28 Sep 2018 22:13

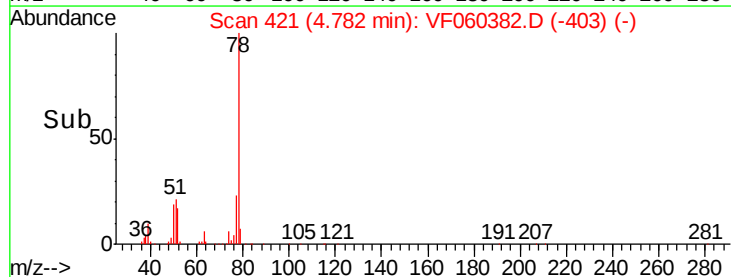
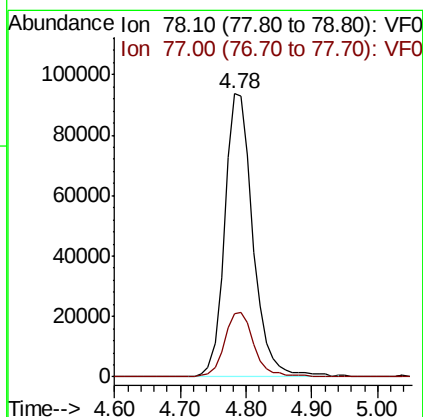
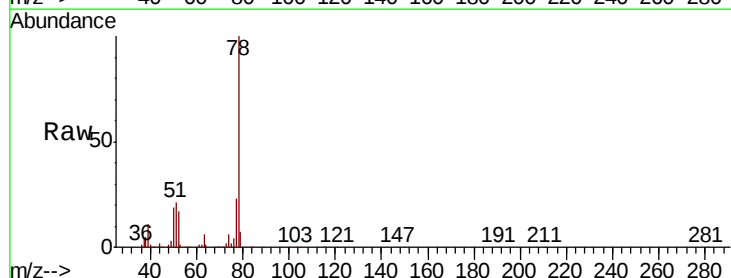
Instrument :
MSVOA_F
ClientSampleId :
VF0928SBS01

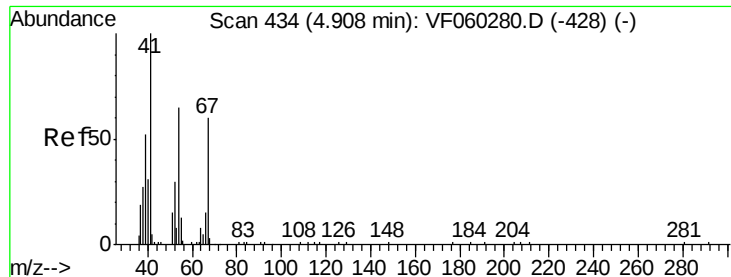
Tot Ion: 83 Resp: 143342
Ion Ratio Lower Upper
83 100
55 86.4 67.3 100.9
98 50.4 36.1 54.1



#40
Benzene
Concen: 23.781 ug/l
RT: 4.78 min Scan# 421
Delta R.T. -0.02 min
Lab File: VF060382.D
Acq: 28 Sep 2018 22:13

Tgt Ion: 78 Resp: 281655
Ion Ratio Lower Upper
78 100
77 22.5 18.4 27.6

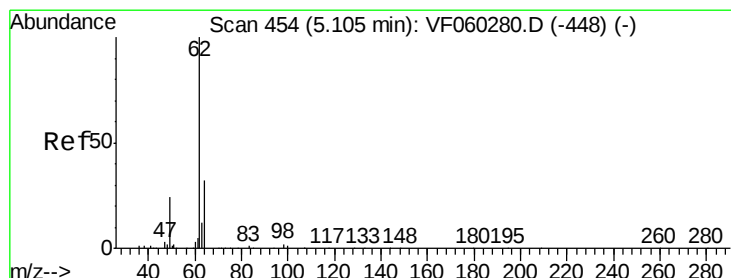
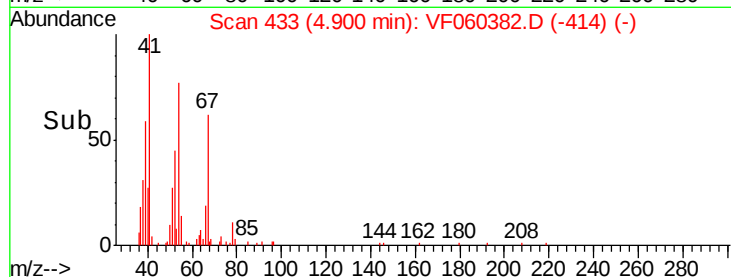
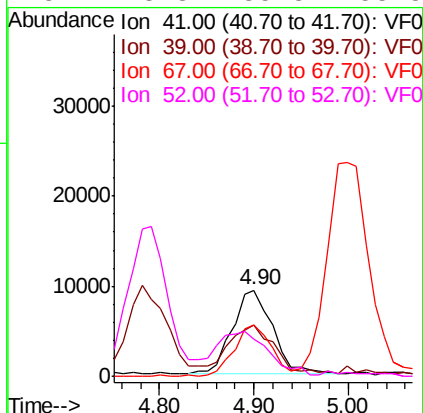
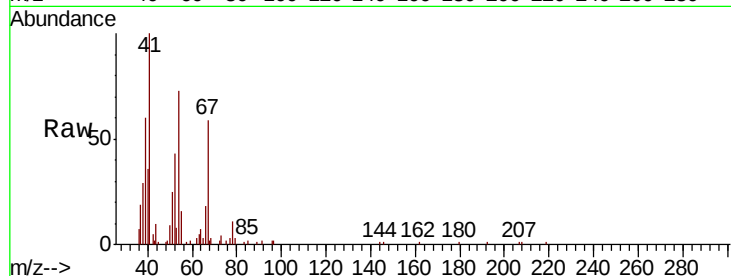




#41
Methacrylonitrile
Concen: 23.107 ug/l
RT: 4.90 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF060382.D
Acq: 28 Sep 2018 22:13

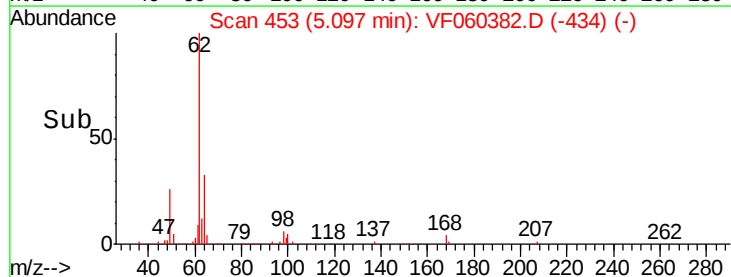
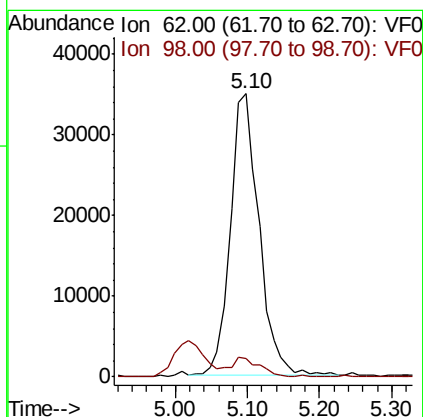
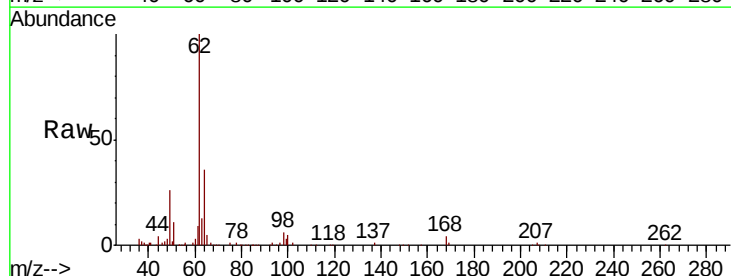
Instrument :
MSVOA_F
ClientSampleId :
VF0928SBSD01

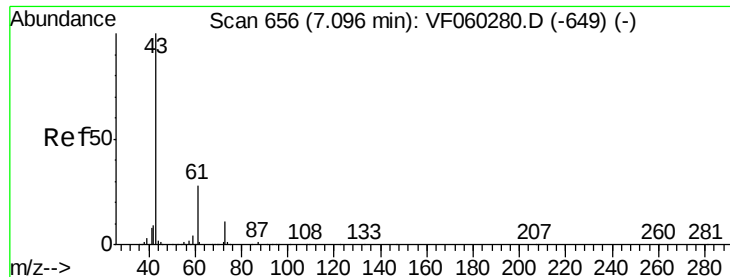
Tot Ion:	41	Resp:	27712
Ion	Ratio	Lower	Upper
41	100		
39	60.2	49.1	73.7
67	59.0	48.2	72.4
52	43.3	35.8	53.8



#42
1,2-Dichloroethane
Concen: 22.210 ug/l
RT: 5.10 min Scan# 453
Delta R.T. -0.01 min
Lab File: VF060382.D
Acq: 28 Sep 2018 22:13

Tgt Ion:	62	Resp:	96823
Ion	Ratio	Lower	Upper
62	100		
98	6.3	0.0	14.4



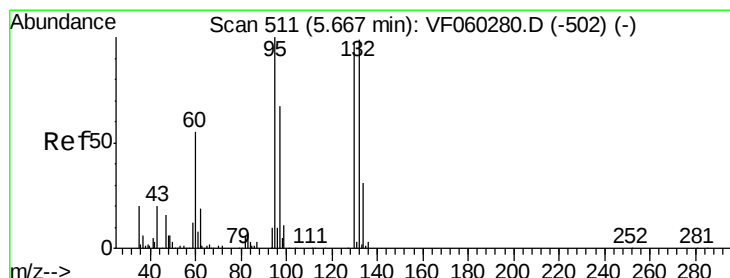
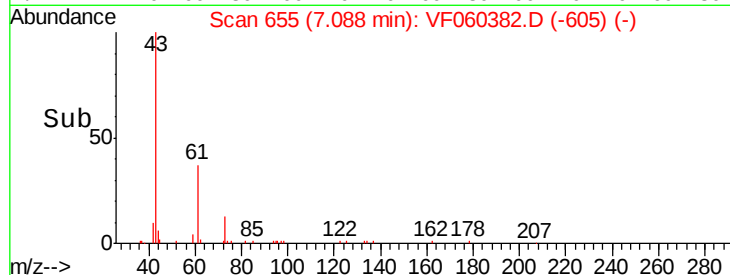
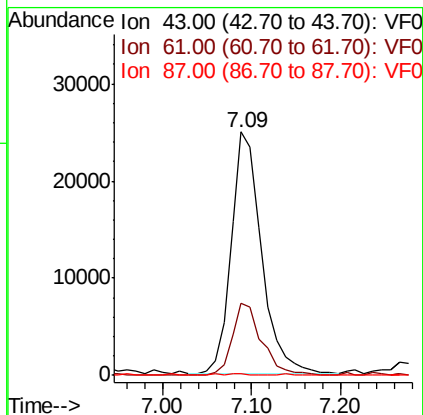
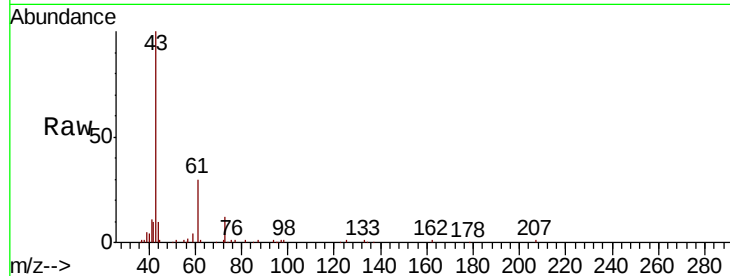


#43

Isopropyl Acetate
 Concen: 22.355 ug/l
 RT: 7.09 min Scan# 655
 Delta R.T. -0.01 min
 Lab File: VF060382.D
 Acq: 28 Sep 2018 22:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0928SBS01

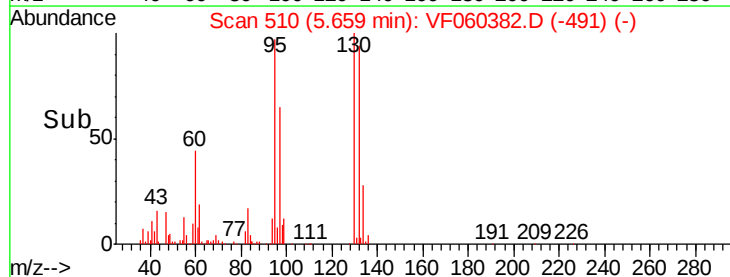
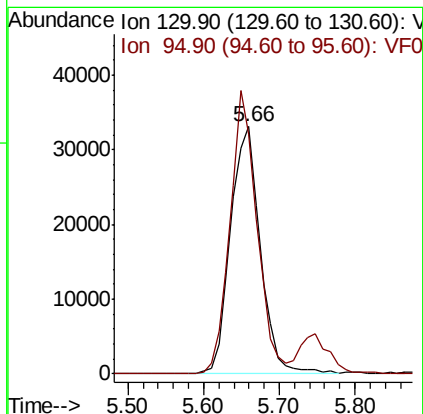
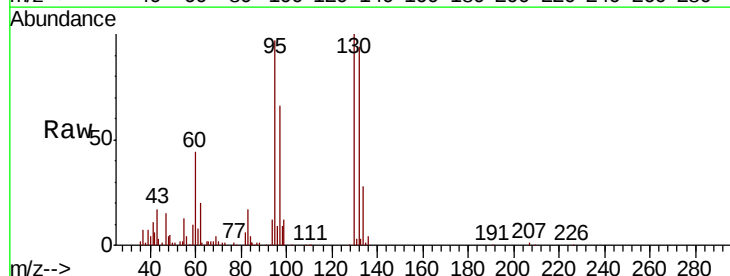
Tot Ion: 43 Resp: 59481
 Ion Ratio Lower Upper
 43 100
 61 29.7 22.4 33.6
 87 0.7 0.6 0.8

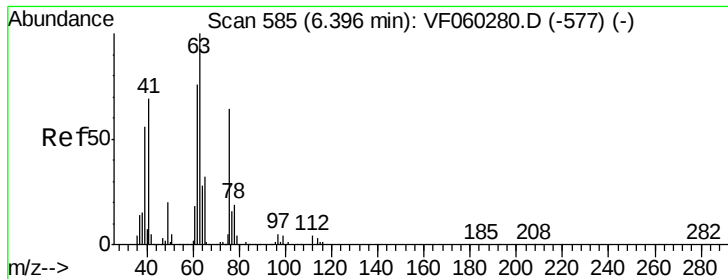


#44

Trichloroethene
 Concen: 25.529 ug/l
 RT: 5.66 min Scan# 510
 Delta R.T. -0.01 min
 Lab File: VF060382.D
 Acq: 28 Sep 2018 22:13

Tgt Ion: 130 Resp: 89985
 Ion Ratio Lower Upper
 130 100
 95 97.0 0.0 205.6

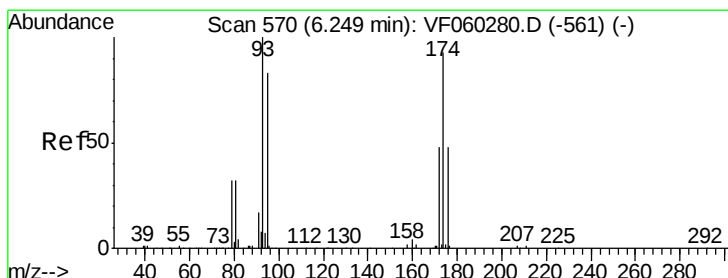
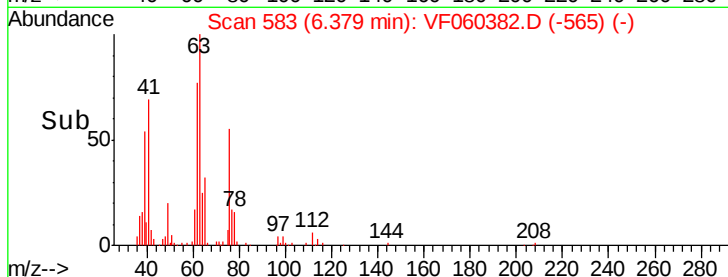
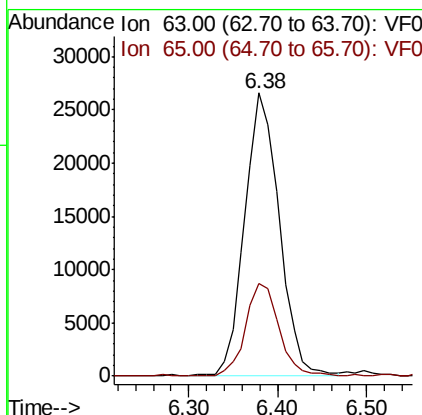
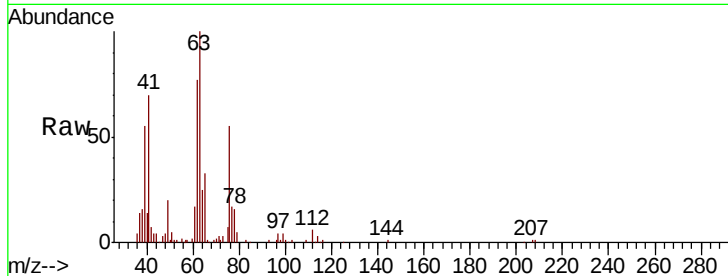




#45
 1,2-Dichloropropane
 Concen: 23.395 ug/l
 RT: 6.38 min Scan# 583
 Delta R.T. -0.02 min
 Lab File: VF060382.D
 Acq: 28 Sep 2018 22:13

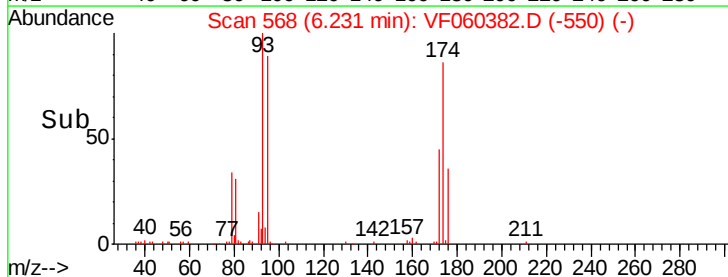
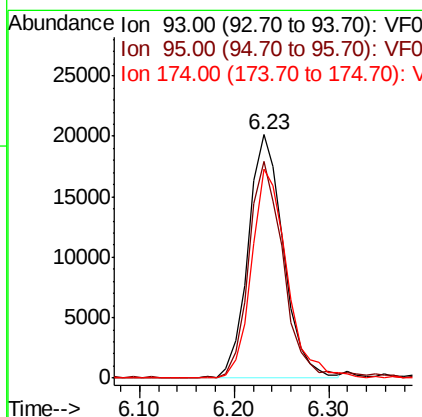
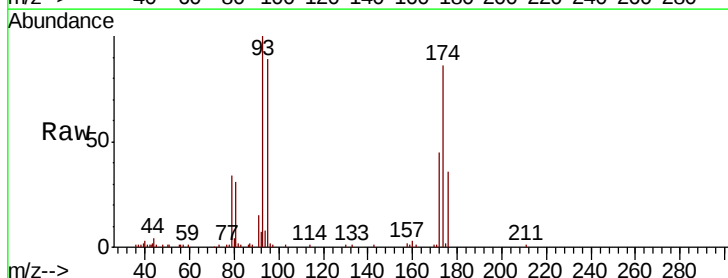
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0928SBSD01

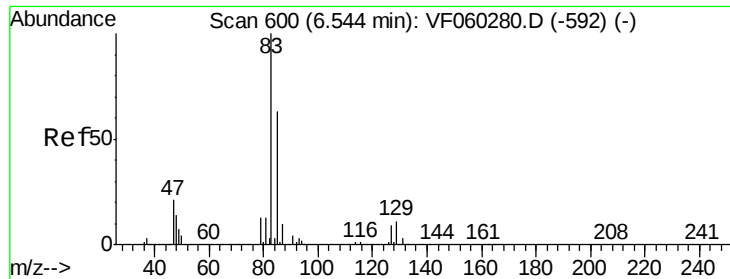
Tot Ion: 63 Resp: 71713
 Ion Ratio Lower Upper
 63 100
 65 32.9 26.2 39.4



#46
 Dibromomethane
 Concen: 23.783 ug/l
 RT: 6.23 min Scan# 568
 Delta R.T. -0.02 min
 Lab File: VF060382.D
 Acq: 28 Sep 2018 22:13

Tgt Ion: 93 Resp: 52109
 Ion Ratio Lower Upper
 93 100
 95 89.1 67.0 100.6
 174 88.1 74.8 112.2





#47

Bromodichloromethane

Concen: 21.446 ug/l

RT: 6.53 min Scan# 598

Delta R.T. -0.02 min

Lab File: VF060382.D

Acq: 28 Sep 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

VF0928SBSD01

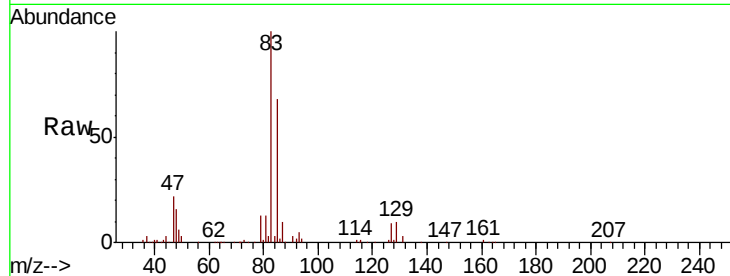
Tot Ion: 83 Resp: 112924

Ion Ratio Lower Upper

83 100

85 68.0 50.6 76.0

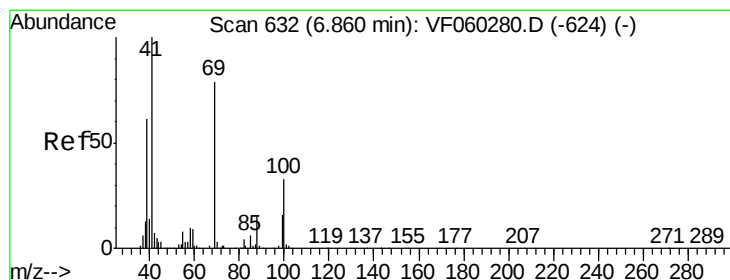
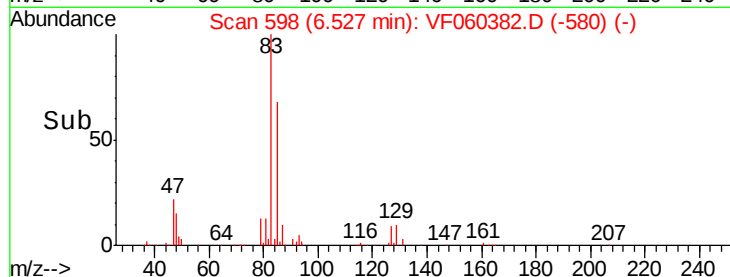
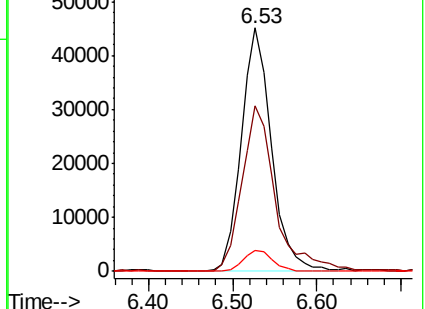
127 8.6 7.1 10.7



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 21.697 ug/l

RT: 6.85 min Scan# 631

Delta R.T. -0.01 min

Lab File: VF060382.D

Acq: 28 Sep 2018 22:13

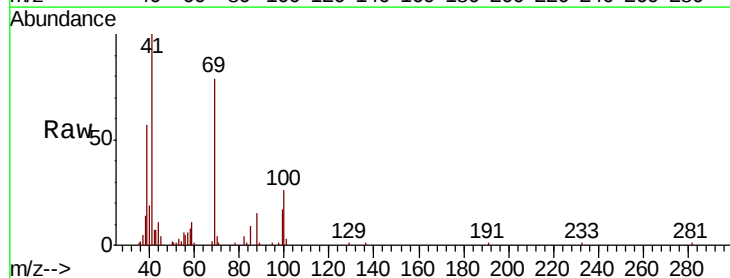
Tgt Ion: 41 Resp: 40525

Ion Ratio Lower Upper

41 100

69 78.7 62.6 94.0

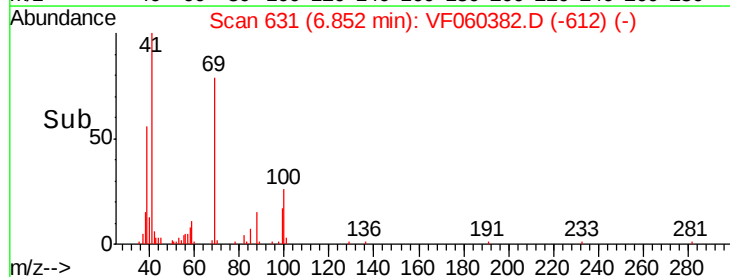
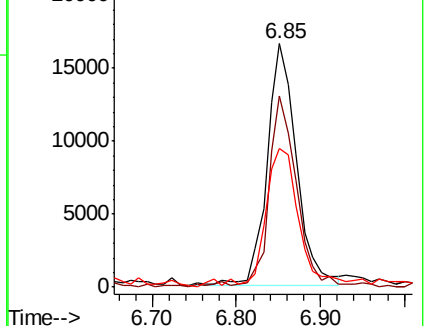
39 56.9 49.1 73.7

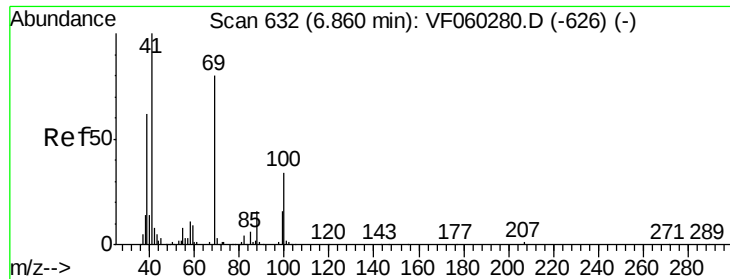


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 410.036 ug/l

RT: 6.85 min Scan# 631

Delta R.T. -0.01 min

Lab File: VF060382.D

Acq: 28 Sep 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

VF0928SBS01

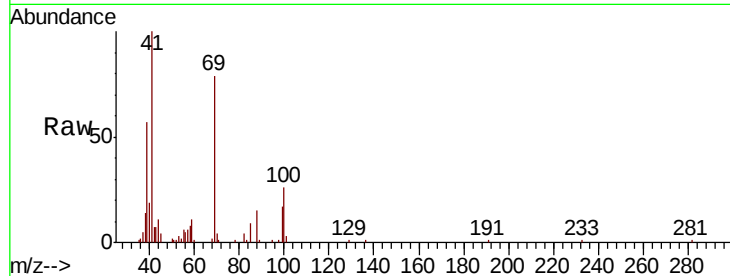
Tot Ion: 88 Resp: 6842

Ion Ratio Lower Upper

88 100

43 49.8 40.2 60.4

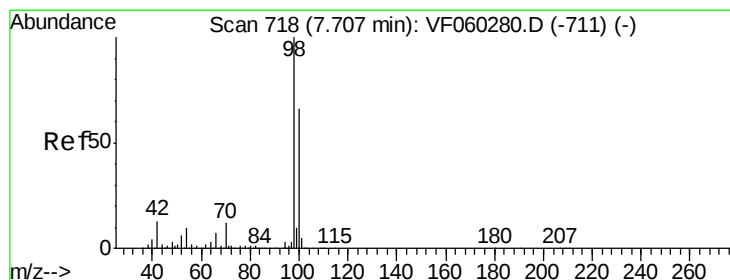
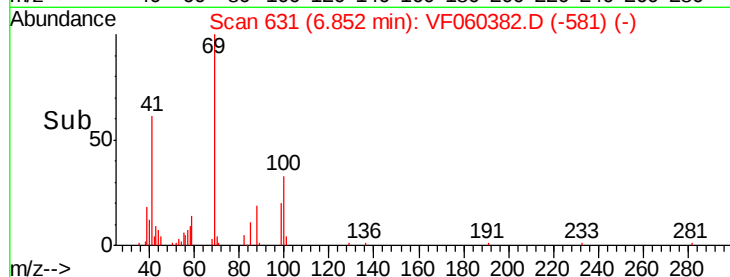
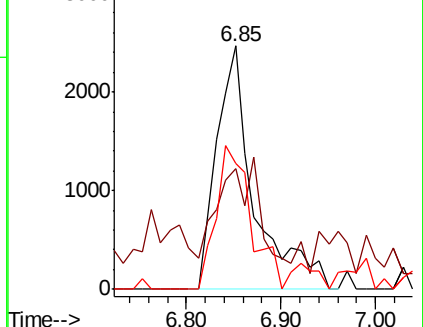
58 51.8 56.7 85.1#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 43.591 ug/l

RT: 7.69 min Scan# 716

Delta R.T. -0.02 min

Lab File: VF060382.D

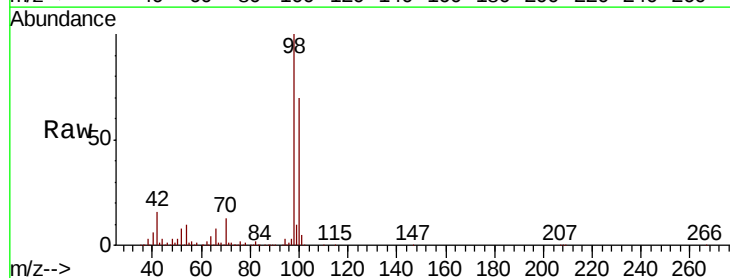
Acq: 28 Sep 2018 22:13

Tgt Ion: 98 Resp: 423758

Ion Ratio Lower Upper

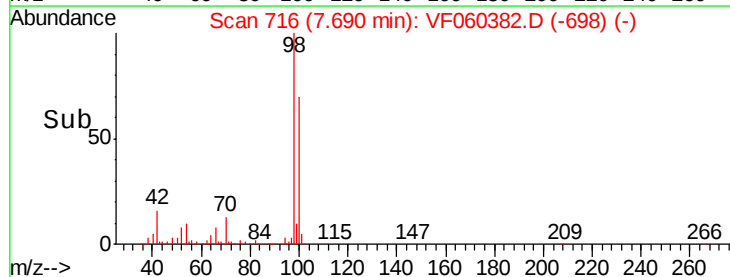
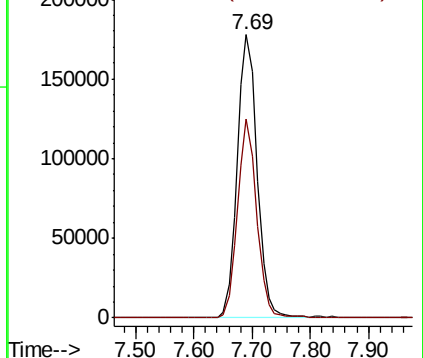
98 100

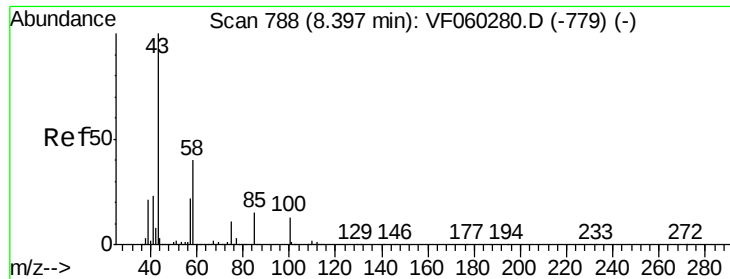
100 70.2 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 106.740 ug/l

RT: 8.39 min Scan# 787

Delta R.T. -0.01 min

Lab File: VF060382.D

Acq: 28 Sep 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

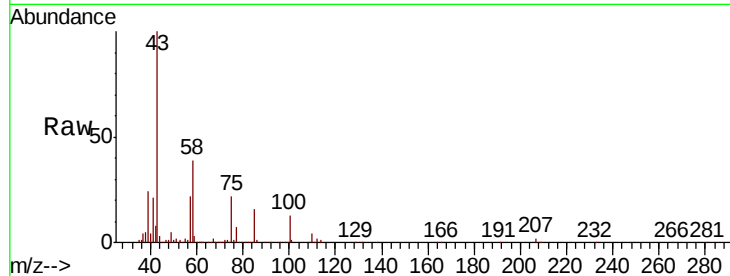
VF0928SBS01

Tot Ion: 43 Resp: 218893

Ion Ratio Lower Upper

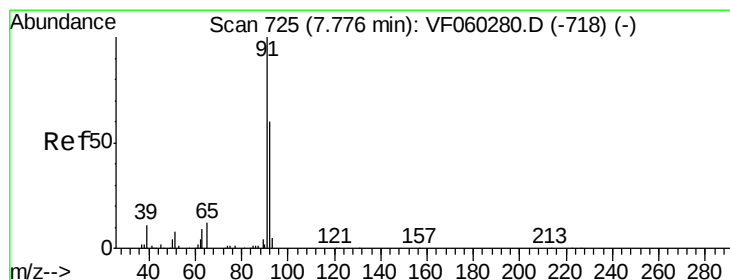
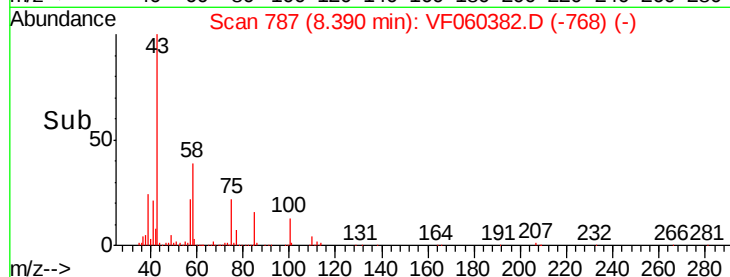
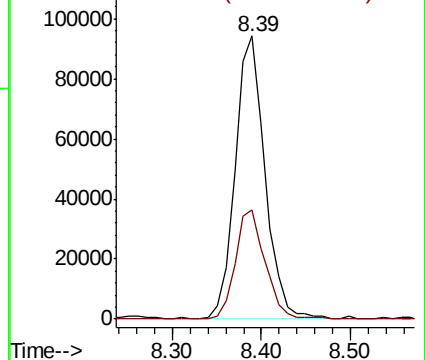
43 100

58 38.6 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 22.523 ug/l

RT: 7.76 min Scan# 723

Delta R.T. -0.02 min

Lab File: VF060382.D

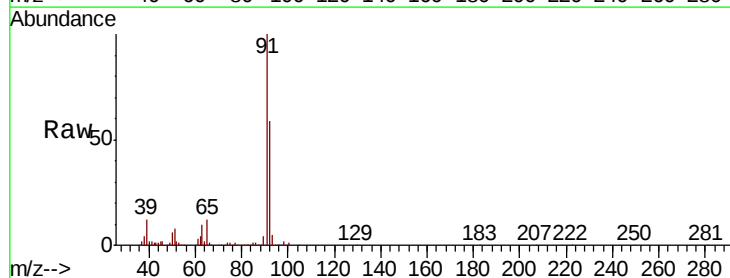
Acq: 28 Sep 2018 22:13

Tgt Ion: 92 Resp: 168761

Ion Ratio Lower Upper

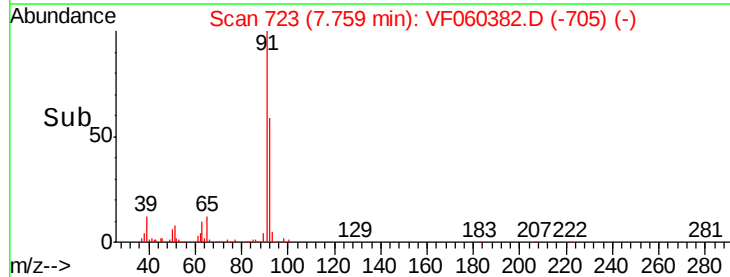
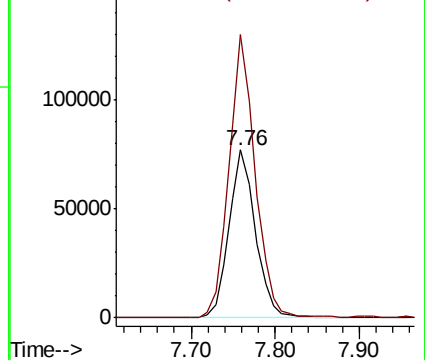
92 100

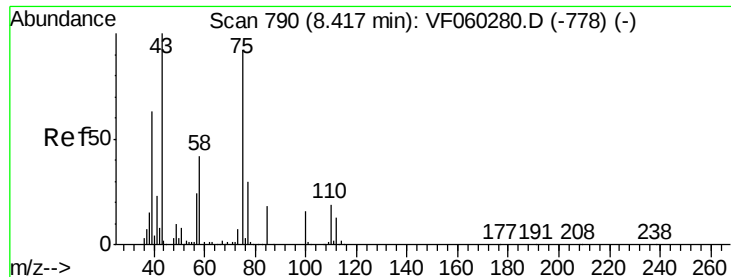
91 168.8 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 22.911 ug/l

RT: 8.41 min Scan# 789

Delta R.T. -0.01 min

Lab File: VF060382.D

Acq: 28 Sep 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

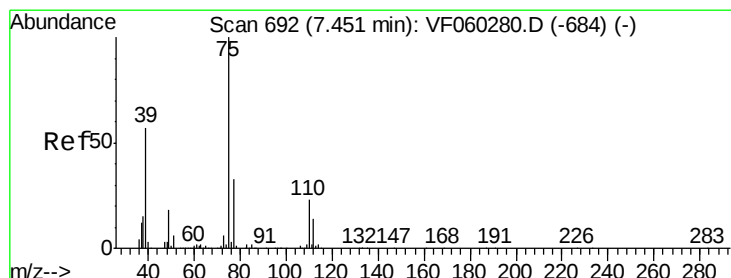
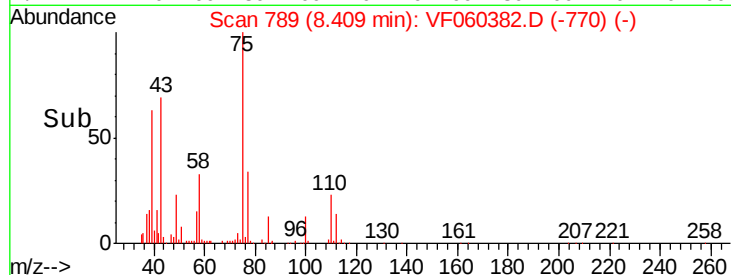
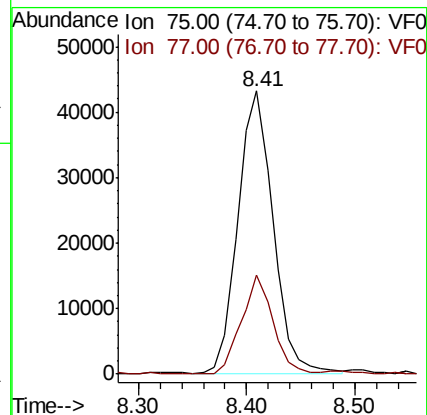
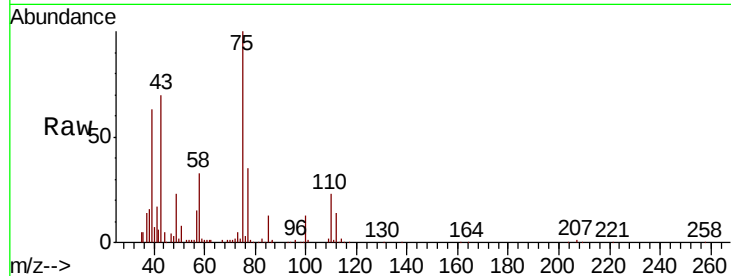
VF0928SBSD01

Tot Ion: 75 Resp: 97310

Ion Ratio Lower Upper

75 100

77 34.9 25.9 38.9



#54

cis-1,3-Dichloropropene

Concen: 22.587 ug/l

RT: 7.44 min Scan# 691

Delta R.T. -0.01 min

Lab File: VF060382.D

Acq: 28 Sep 2018 22:13

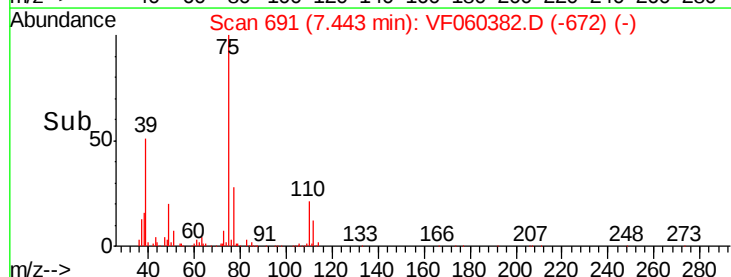
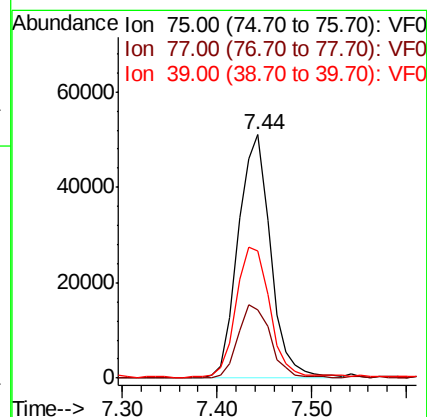
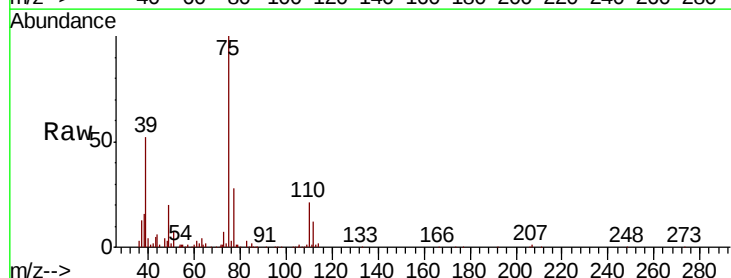
Tgt Ion: 75 Resp: 120854

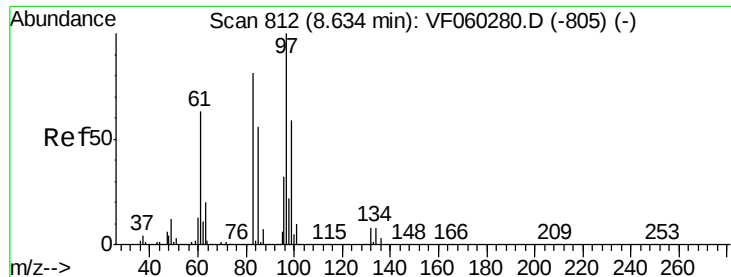
Ion Ratio Lower Upper

75 100

77 28.1 26.3 39.5

39 52.2 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 23.148 ug/l

RT: 8.62 min Scan# 810

Delta R.T. -0.02 min

Lab File: VF060382.D

Acq: 28 Sep 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

VF0928SBSD01

Tot Ion: 97 Resp: 52642

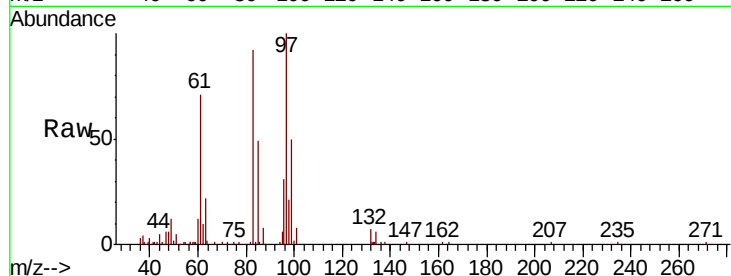
Ion Ratio Lower Upper

97 100

83 91.8 65.3 97.9

85 49.1 44.7 67.1

99 50.3 47.0 70.4

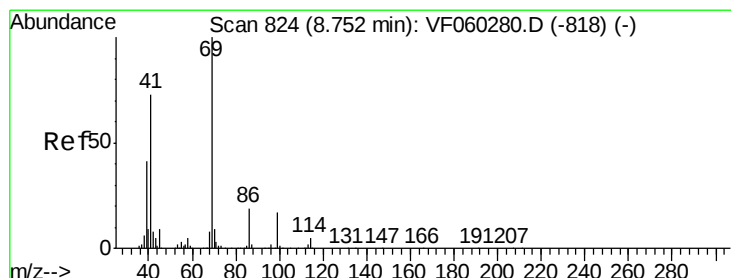
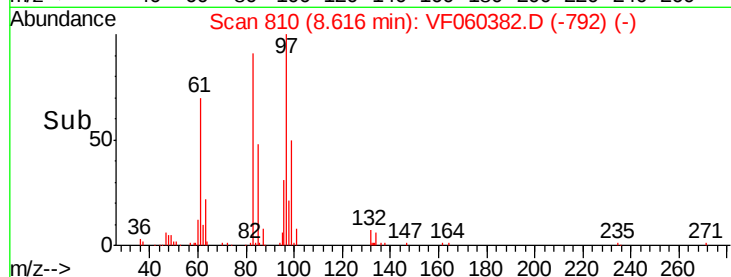
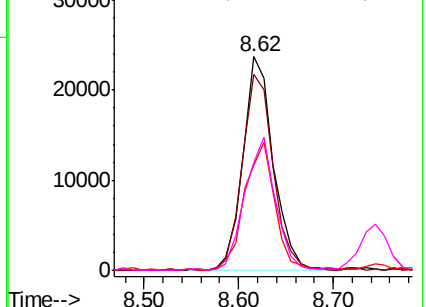


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 21.118 ug/l

RT: 8.74 min Scan# 823

Delta R.T. -0.01 min

Lab File: VF060382.D

Acq: 28 Sep 2018 22:13

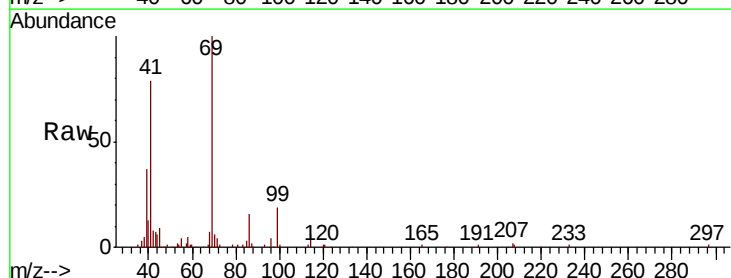
Tgt Ion: 69 Resp: 58001

Ion Ratio Lower Upper

69 100

41 79.4 59.4 89.2

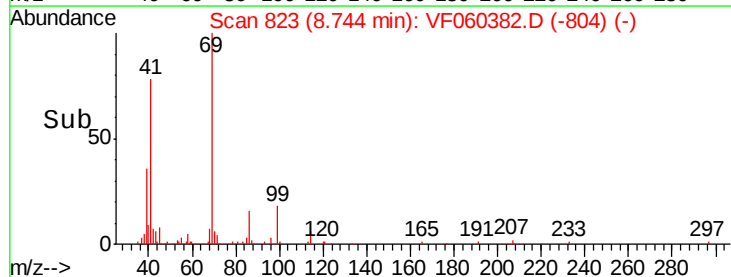
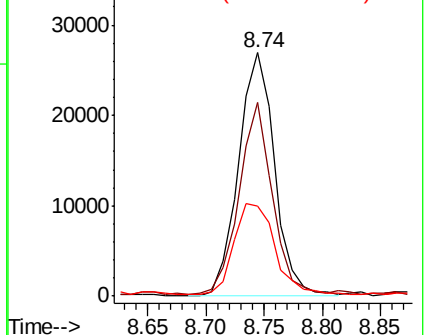
39 37.2 33.5 50.3

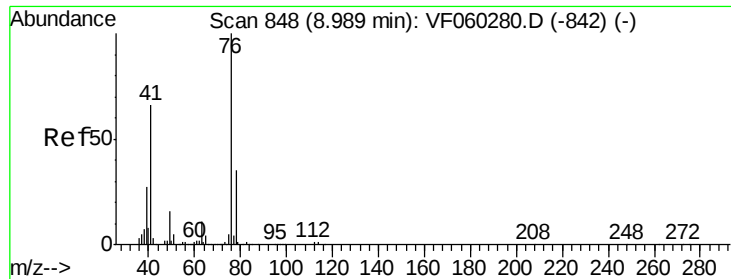


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 22.959 ug/l

RT: 8.98 min Scan# 847

Delta R.T. -0.01 min

Lab File: VF060382.D

Acq: 28 Sep 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

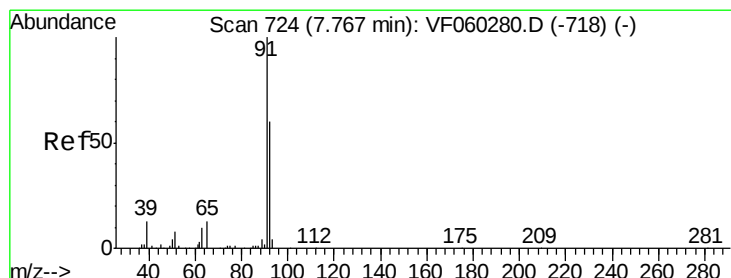
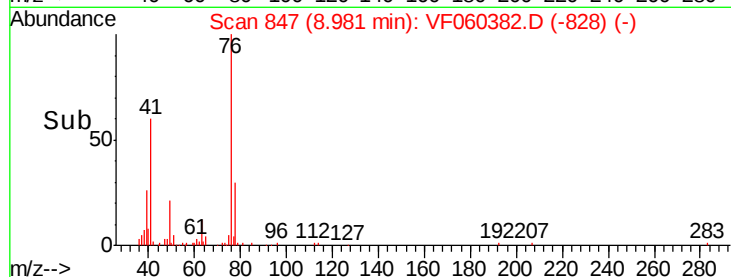
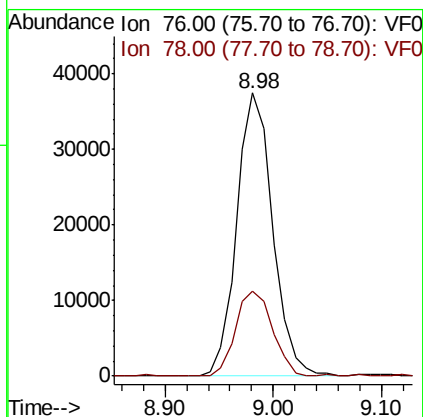
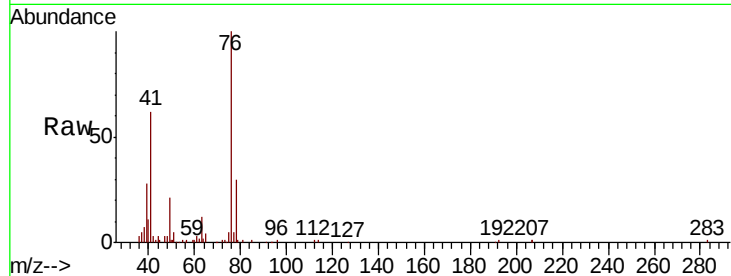
VF0928SBS01

Tot Ion: 76 Resp: 86450

Ion Ratio Lower Upper

76 100

78 30.1 28.2 42.2



#58

2-Chloroethyl Vinyl ether

Concen: 110.473 ug/l

RT: 7.76 min Scan# 723

Delta R.T. -0.01 min

Lab File: VF060382.D

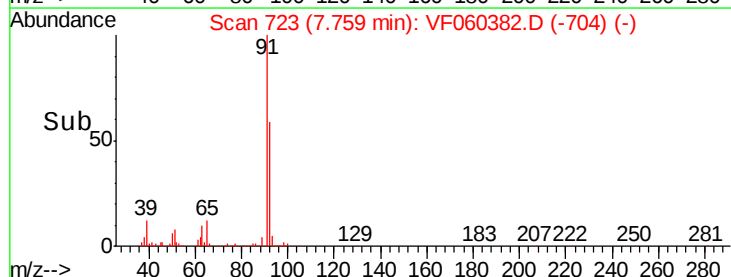
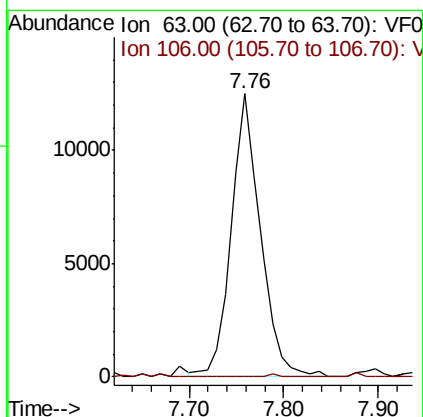
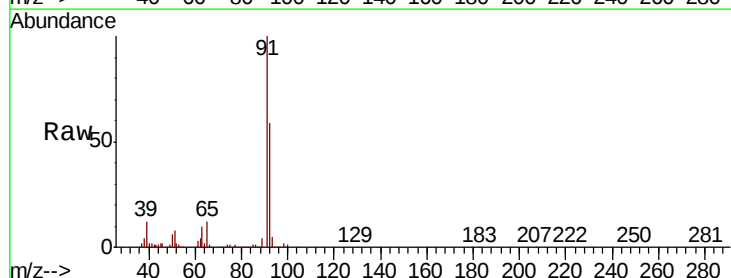
Acq: 28 Sep 2018 22:13

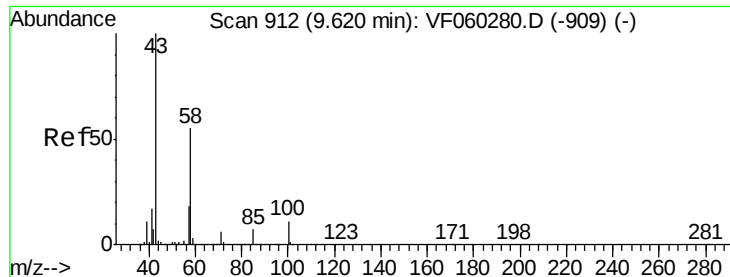
Tgt Ion: 63 Resp: 26823

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

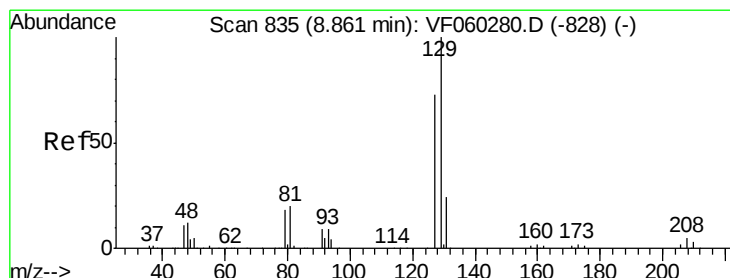
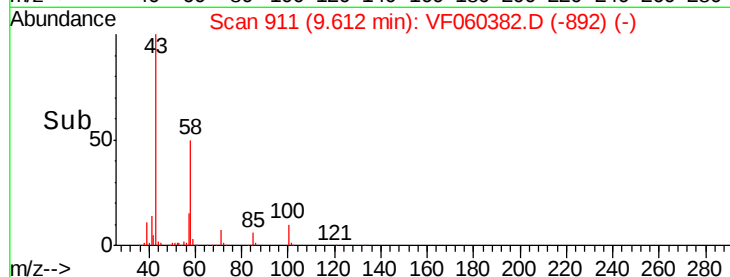
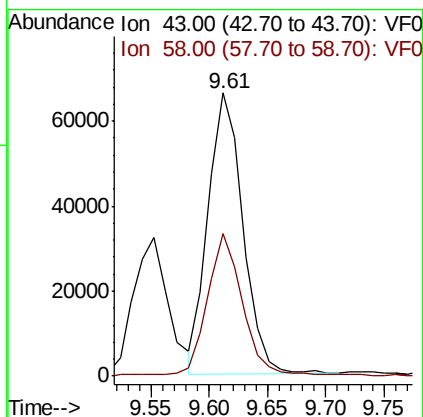
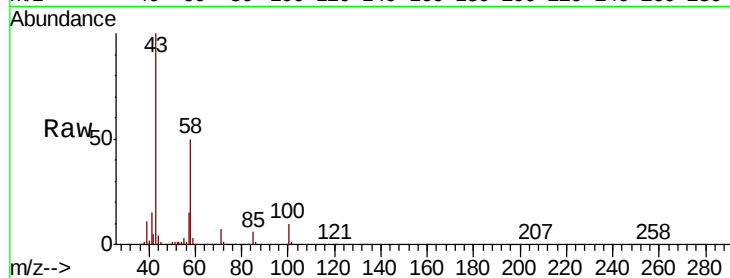




#59
2-Hexanone
Concen: 93.577 ug/l
RT: 9.61 min Scan# 911
Delta R.T. -0.01 min
Lab File: VF060382.D
Acq: 28 Sep 2018 22:13

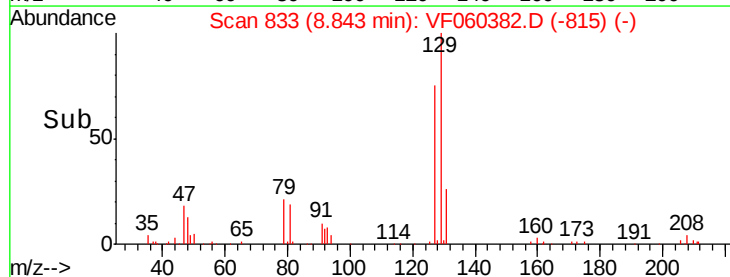
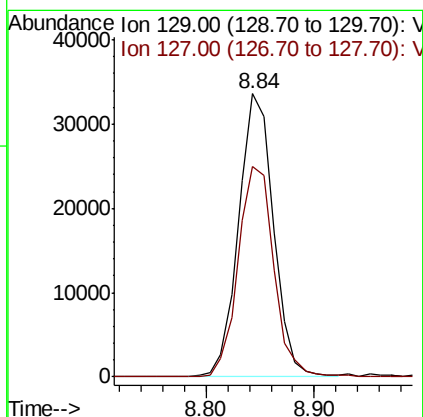
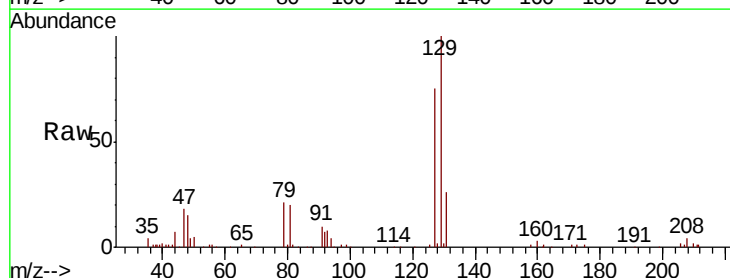
Instrument :
MSVOA_F
ClientSampleId :
VF0928SBSD01

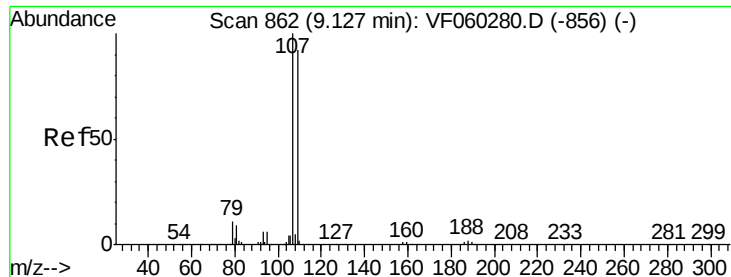
Tot Ion: 43 Resp: 136634
Ion Ratio Lower Upper
43 100
58 50.2 25.9 77.6



#60
Dibromochloromethane
Concen: 22.264 ug/l
RT: 8.84 min Scan# 833
Delta R.T. -0.02 min
Lab File: VF060382.D
Acq: 28 Sep 2018 22:13

Tgt Ion: 129 Resp: 75463
Ion Ratio Lower Upper
129 100
127 74.5 36.6 109.8





#61

1,2-Dibromoethane

Concen: 22.238 ug/l

RT: 9.12 min Scan# 861

Delta R.T. -0.01 min

Lab File: VF060382.D

Acq: 28 Sep 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

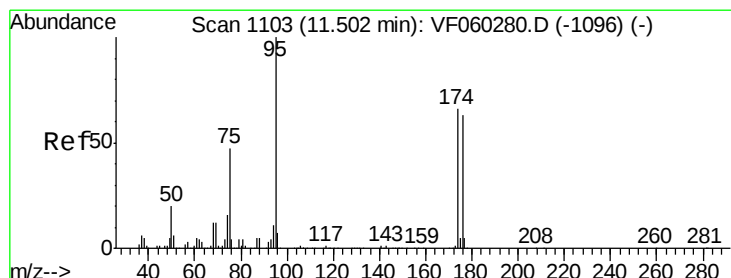
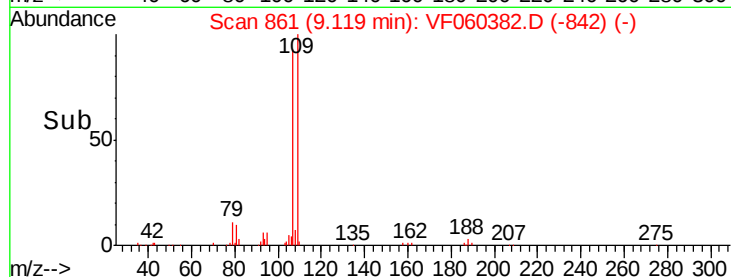
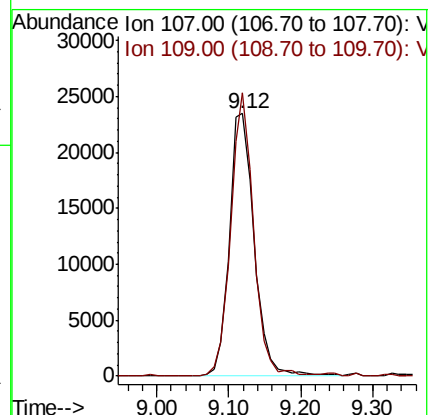
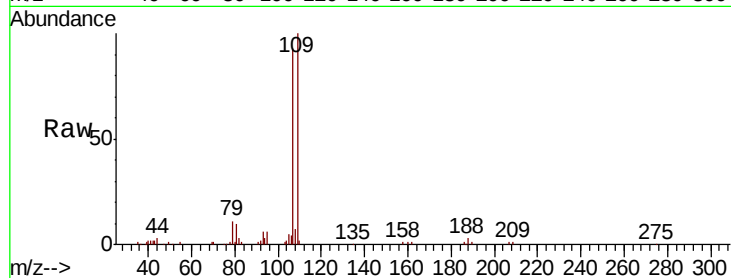
VF0928SBSD01

Tot Ion:107 Resp: 56316

Ion Ratio Lower Upper

107 100

109 107.7 73.2 109.8



#62

4-Bromofluorobenzene

Concen: 41.802 ug/l

RT: 11.49 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VF060382.D

Acq: 28 Sep 2018 22:13

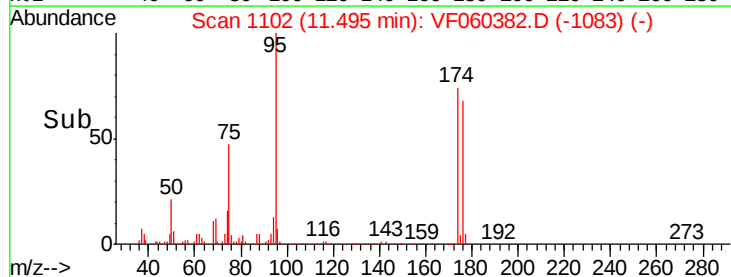
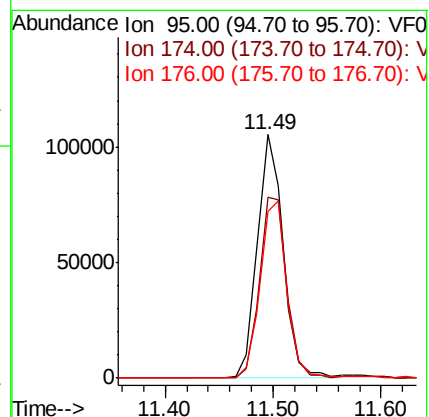
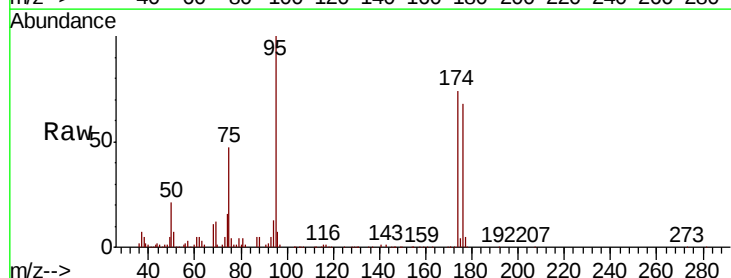
Tgt Ion: 95 Resp: 175660

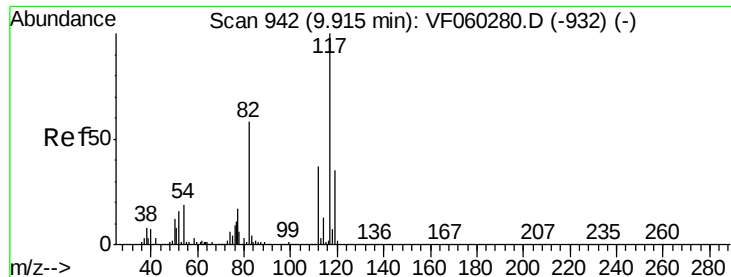
Ion Ratio Lower Upper

95 100

174 74.3 0.0 131.2

176 68.3 0.0 126.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.90 min Scan# 940

Delta R.T. -0.02 min

Lab File: VF060382.D

Acq: 28 Sep 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

VF0928SBSD01

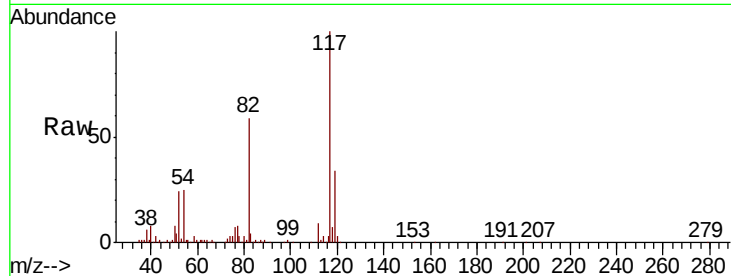
Tot Ion:117 Resp: 354648

Ion Ratio Lower Upper

117 100

82 59.1 46.2 69.2

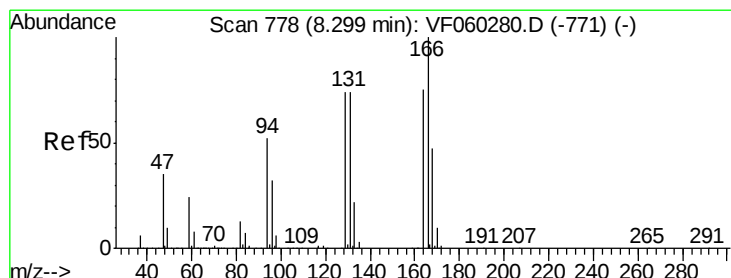
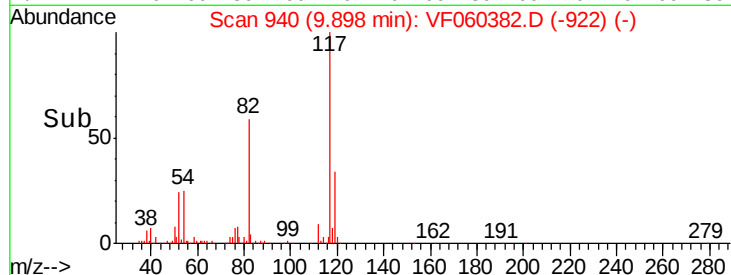
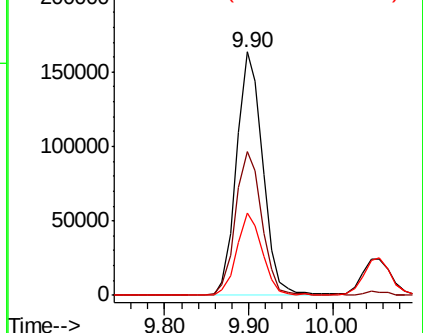
119 33.6 27.8 41.6



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



#64

Tetrachloroethene

Concen: 23.648 ug/l

RT: 8.29 min Scan# 777

Delta R.T. -0.01 min

Lab File: VF060382.D

Acq: 28 Sep 2018 22:13

Tgt Ion:164 Resp: 76028

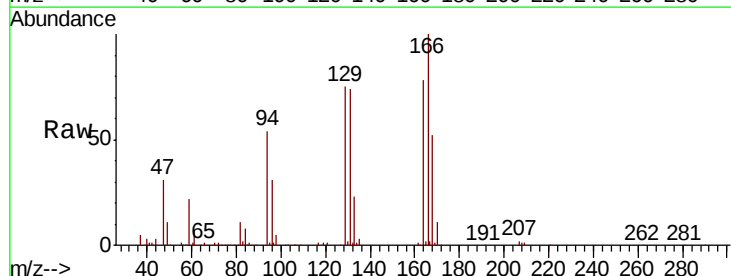
Ion Ratio Lower Upper

164 100

166 127.4 106.8 160.2

129 96.1 78.8 118.2

131 94.6 78.7 118.1

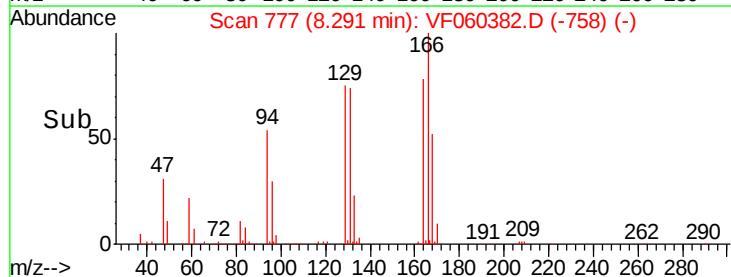
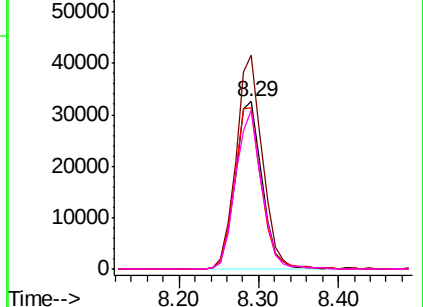


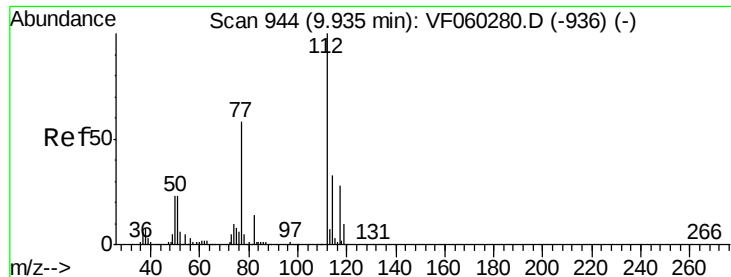
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 24.106 ug/l

RT: 9.93 min Scan# 943

Delta R.T. -0.01 min

Lab File: VF060382.D

Acq: 28 Sep 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

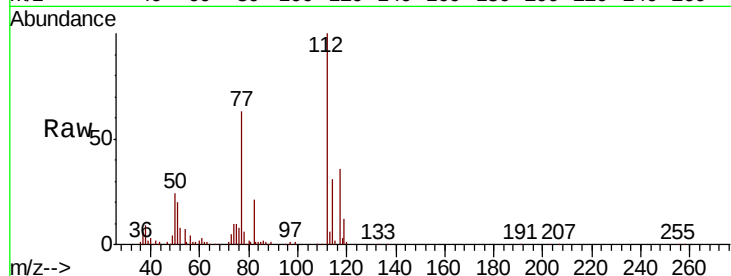
VF0928SBSD01

Tot Ion:112 Resp: 193765

Ion Ratio Lower Upper

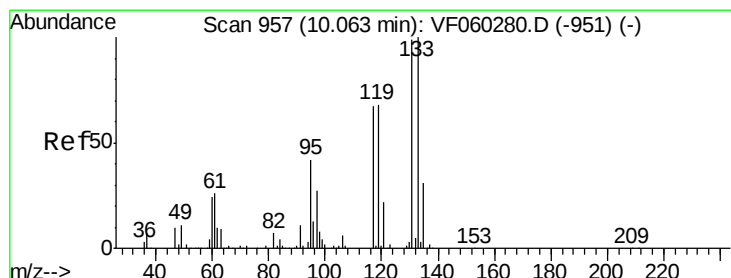
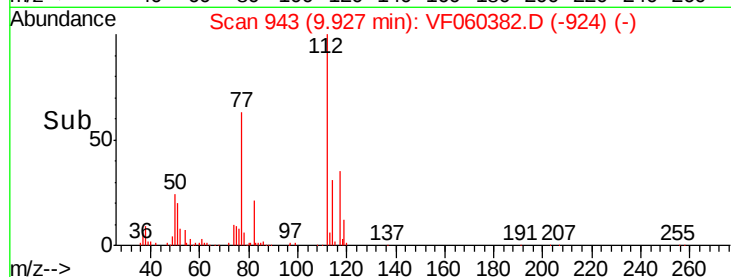
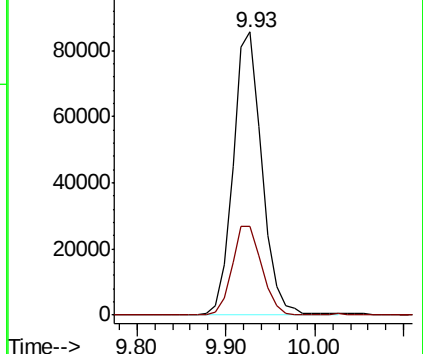
112 100

114 31.2 26.6 40.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 25.068 ug/l

RT: 10.06 min Scan# 956

Delta R.T. -0.01 min

Lab File: VF060382.D

Acq: 28 Sep 2018 22:13

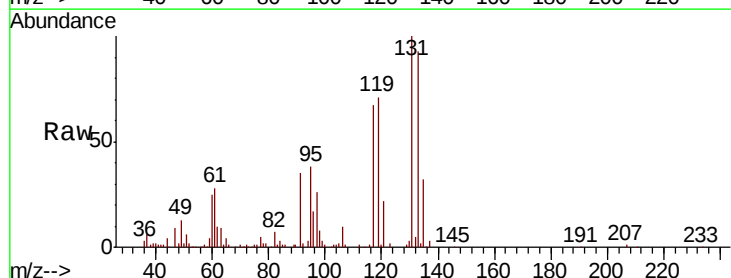
Tgt Ion:131 Resp: 83621

Ion Ratio Lower Upper

131 100

133 92.9 50.4 151.2

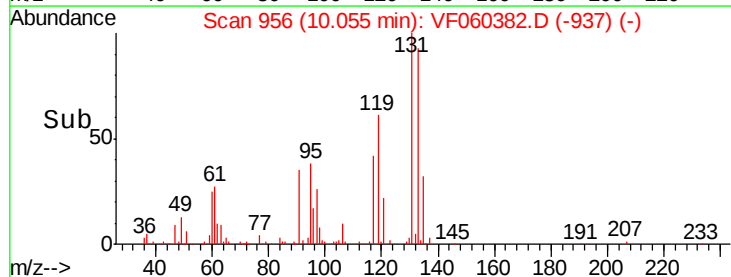
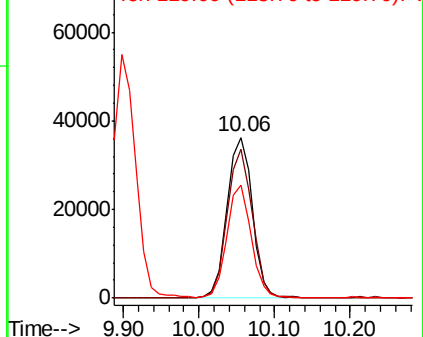
119 70.6 34.8 104.3

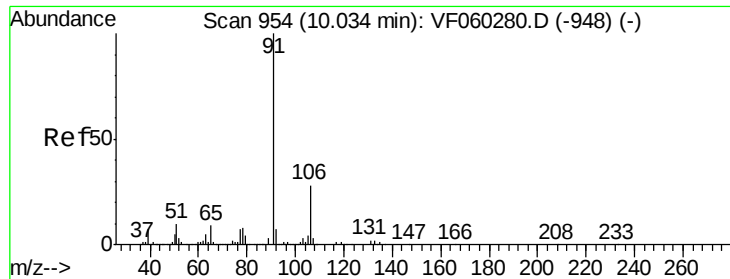


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 24.572 ug/l

RT: 10.03 min Scan# 953

Delta R.T. -0.01 min

Lab File: VF060382.D

Acq: 28 Sep 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

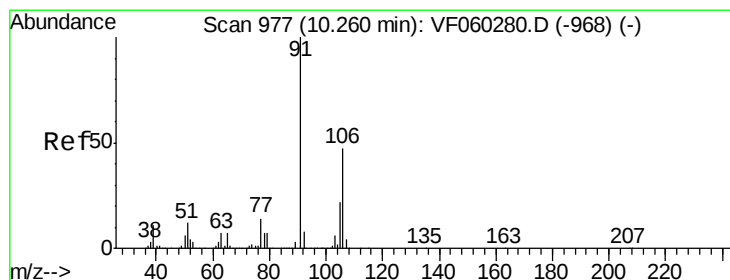
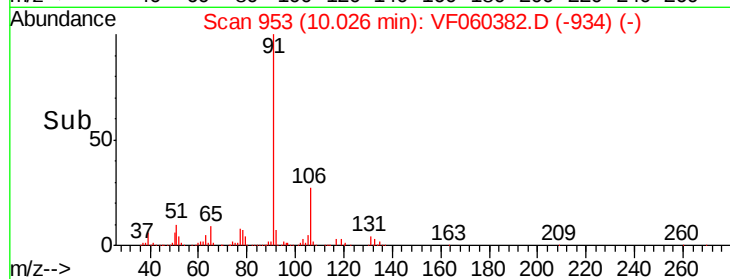
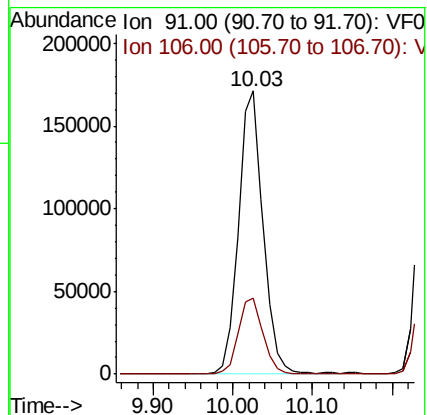
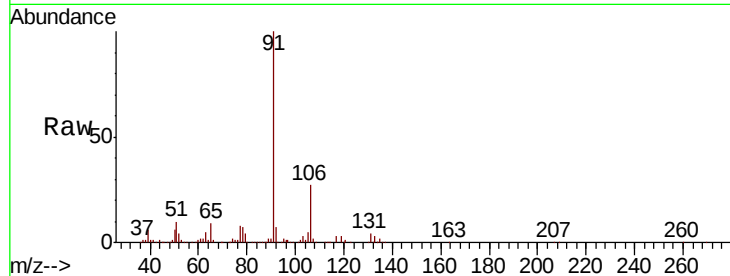
VF0928SBS01

Tot Ion: 91 Resp: 365181

Ion Ratio Lower Upper

91 100

106 26.7 22.7 34.1



#68

m/p-Xylenes

Concen: 50.172 ug/l

RT: 10.25 min Scan# 976

Delta R.T. -0.01 min

Lab File: VF060382.D

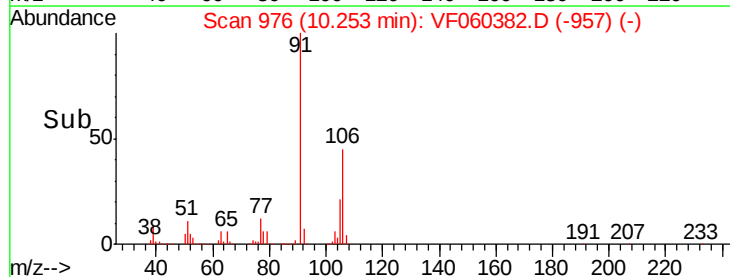
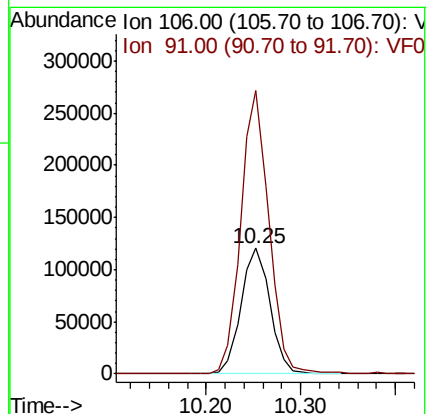
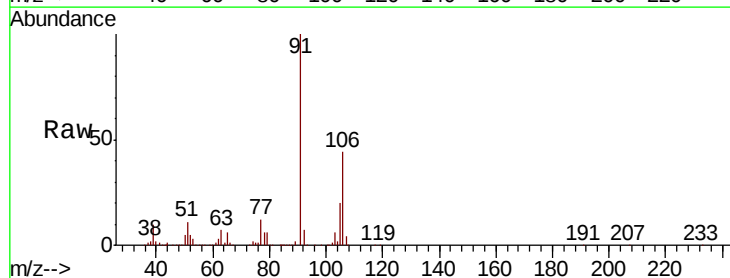
Acq: 28 Sep 2018 22:13

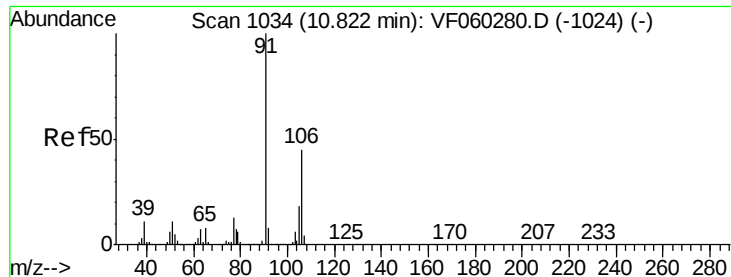
Tgt Ion: 106 Resp: 257610

Ion Ratio Lower Upper

106 100

91 225.3 172.3 258.5

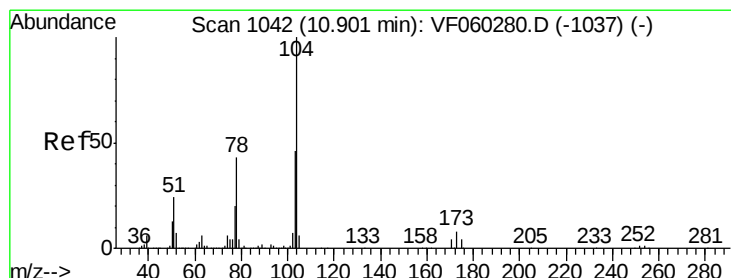
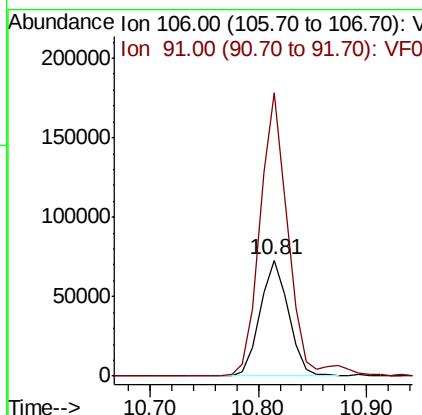
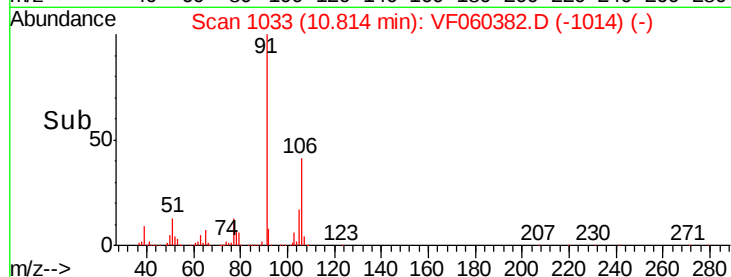
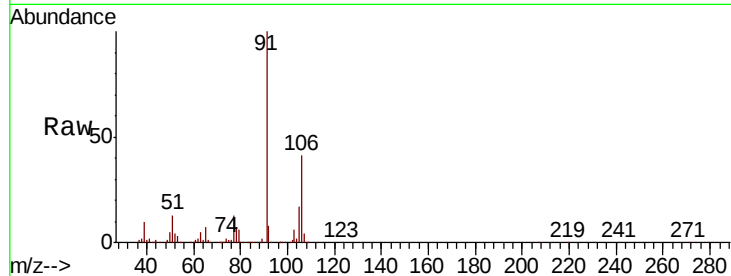




#69
o-Xylene
Concen: 23.198 ug/l
RT: 10.81 min Scan# 1033
Delta R.T. -0.01 min
Lab File: VF060382.D
Acq: 28 Sep 2018 22:13

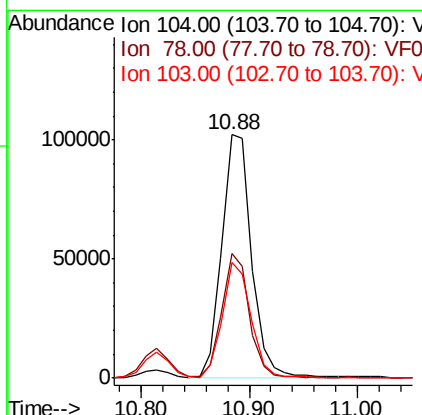
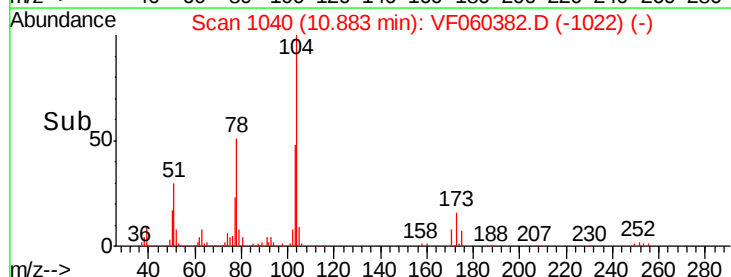
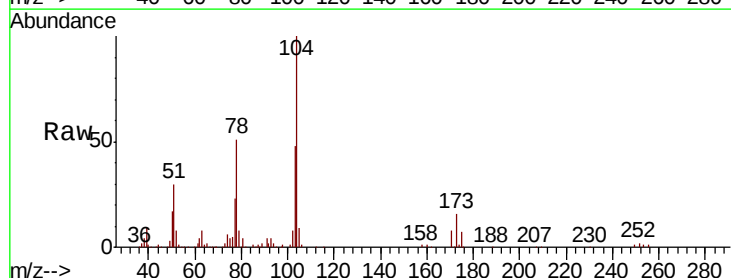
Instrument :
MSVOA_F
ClientSampleId :
VF0928SBSD01

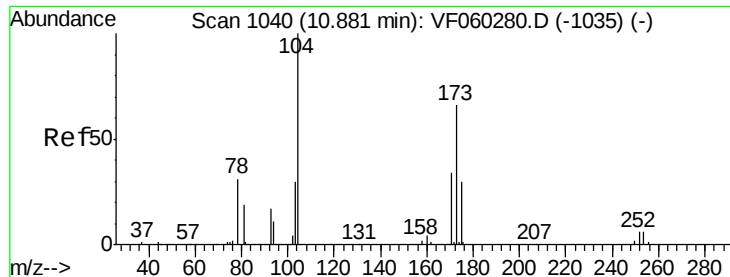
Tot Ion:106 Resp: 133597
Ion Ratio Lower Upper
106 100
91 243.3 110.9 332.6



#70
Styrene
Concen: 23.894 ug/l
RT: 10.88 min Scan# 1040
Delta R.T. -0.02 min
Lab File: VF060382.D
Acq: 28 Sep 2018 22:13

Tgt Ion:104 Resp: 194064
Ion Ratio Lower Upper
104 100
78 51.0 35.0 52.6
103 47.7 37.4 56.0





#71

Bromoform

Concen: 21.805 ug/l

RT: 10.87 min Scan# 1039

Delta R.T. -0.01 min

Lab File: VF060382.D

Acq: 28 Sep 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

VF0928SBS01

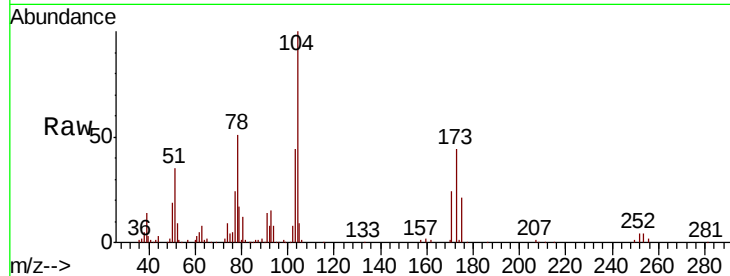
Tot Ion:173 Resp: 39947

Ion Ratio Lower Upper

173 100

175 47.1 22.3 66.9

254 0.0 0.0 0.0

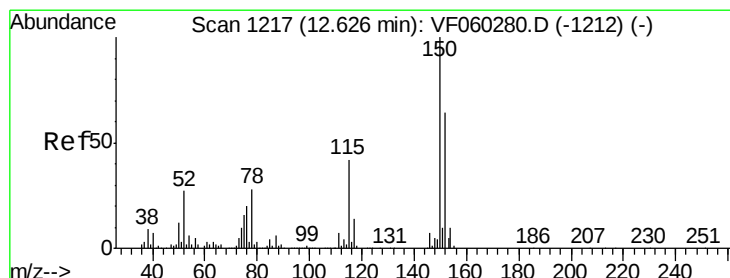
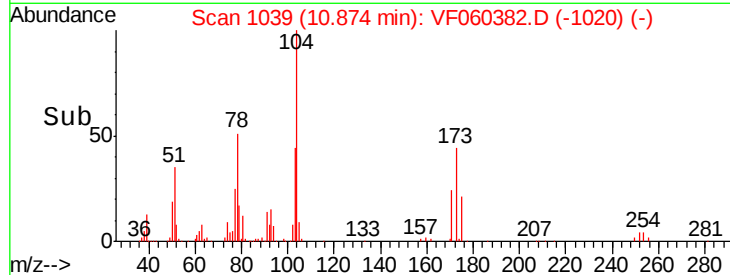
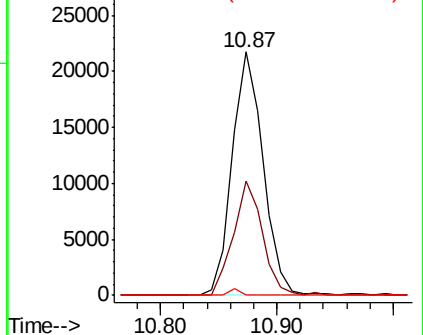


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VF060382.D

Acq: 28 Sep 2018 22:13

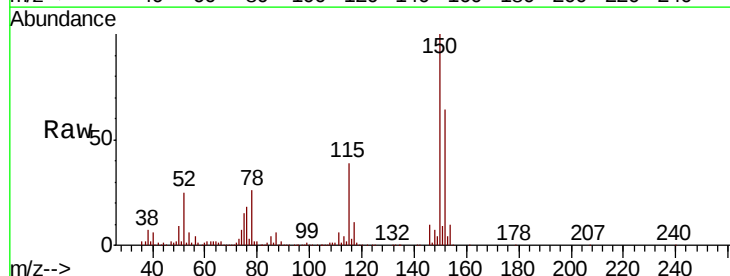
Tgt Ion:152 Resp: 191800

Ion Ratio Lower Upper

152 100

115 61.2 32.6 97.8

150 156.7 0.0 314.2

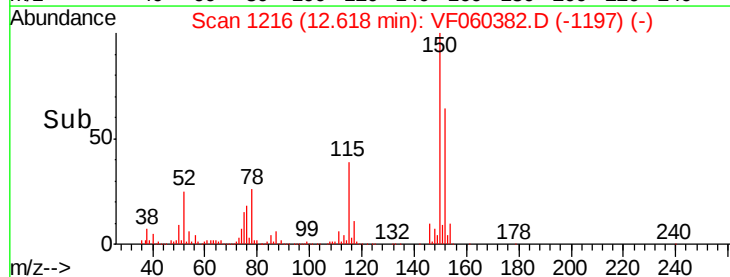
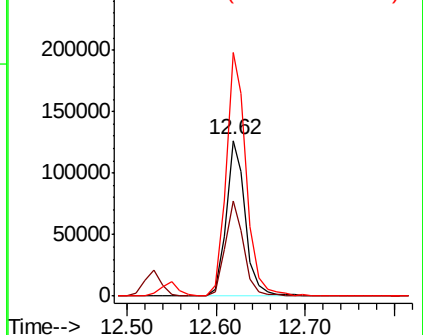


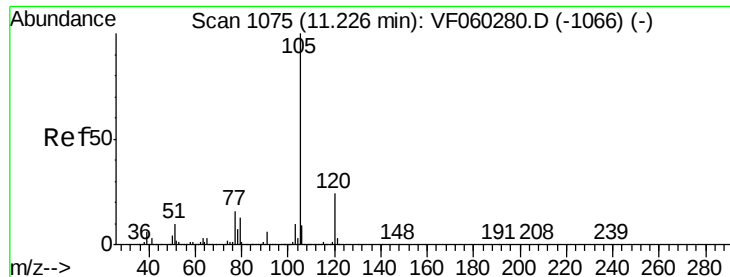
Abundance

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: 24.053 ug/l

RT: 11.22 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VF060382.D

Acq: 28 Sep 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

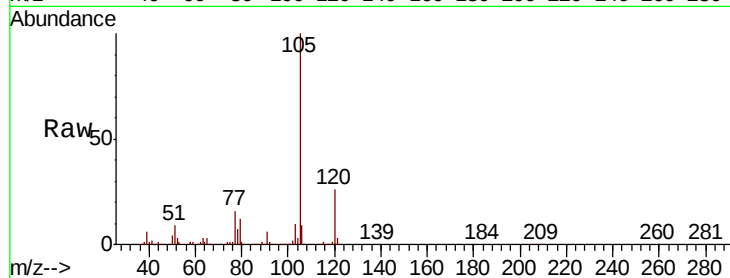
VF0928SBS01

Tot Ion:105 Resp: 414151

Ion Ratio Lower Upper

105 100

120 26.0 12.2 36.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

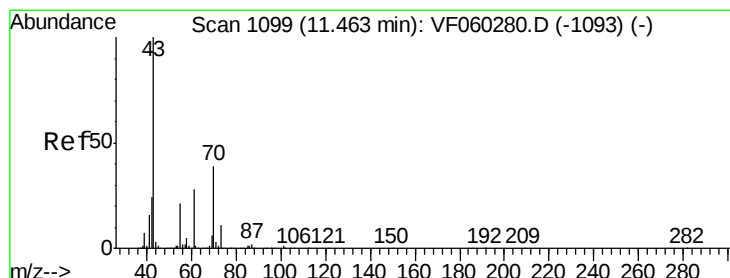
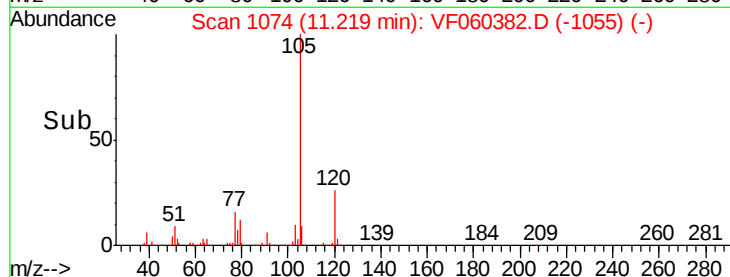
50000

0

11.22

11.40

Time-->



#74

N-ethyl acetate

Concen: 22.144 ug/l

RT: 11.45 min Scan# 1097

Delta R.T. -0.02 min

Lab File: VF060382.D

Acq: 28 Sep 2018 22:13

Tgt Ion: 43 Resp: 81307

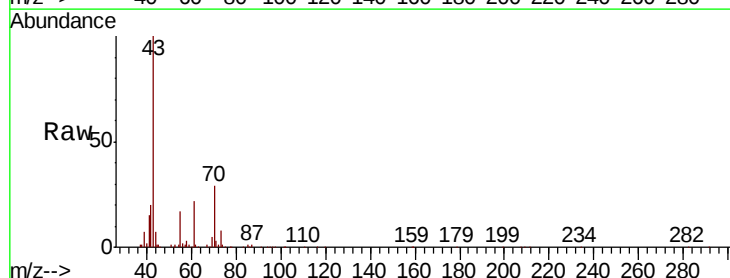
Ion Ratio Lower Upper

43 100

70 29.4 31.4 47.2#

55 17.1 16.8 25.2

61 22.1 22.6 34.0#



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

60000

40000

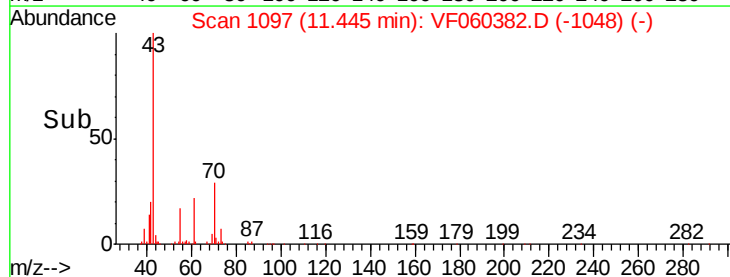
20000

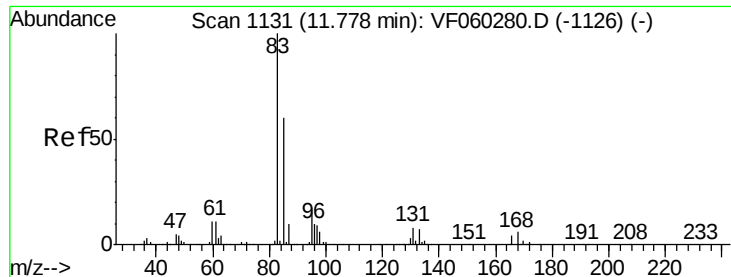
0

11.45

11.50

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 24.671 ug/l

RT: 11.77 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF060382.D

Acq: 28 Sep 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

VF0928SBS01

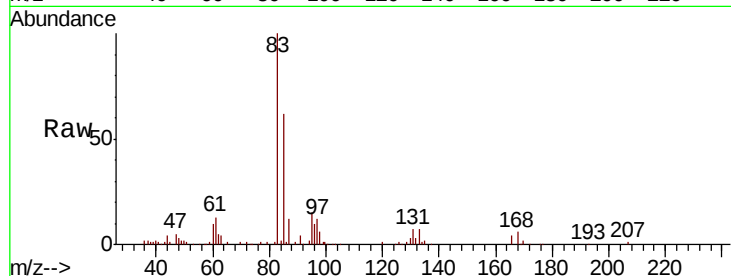
Tot Ion: 83 Resp: 75284

Ion Ratio Lower Upper

83 100

131 7.0 4.2 12.4

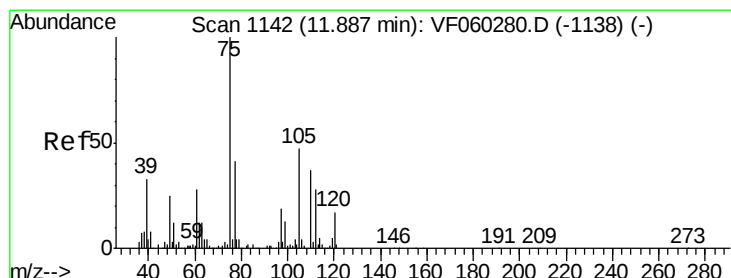
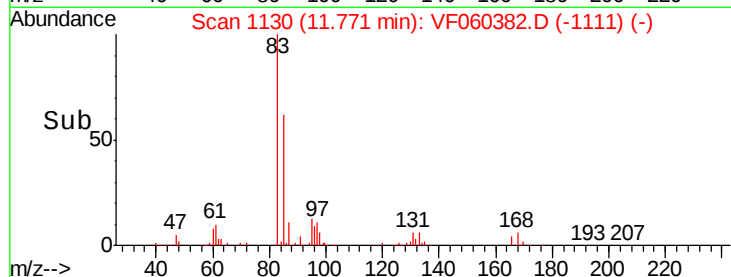
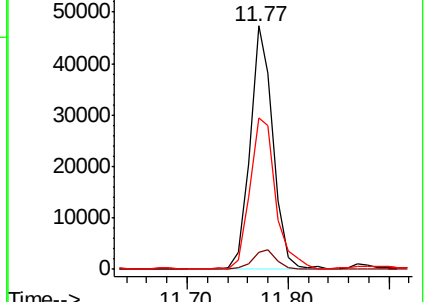
85 62.0 30.1 90.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 24.721 ug/l

RT: 11.87 min Scan# 1140

Delta R.T. -0.02 min

Lab File: VF060382.D

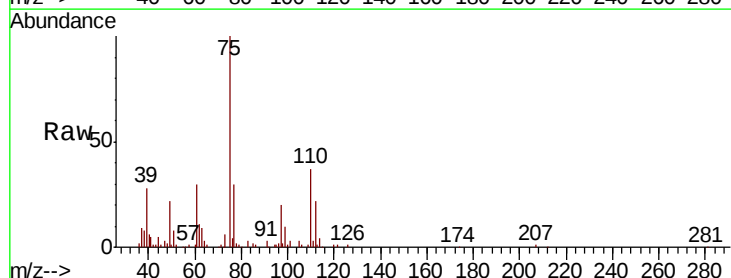
Acq: 28 Sep 2018 22:13

Tgt Ion: 75 Resp: 54013

Ion Ratio Lower Upper

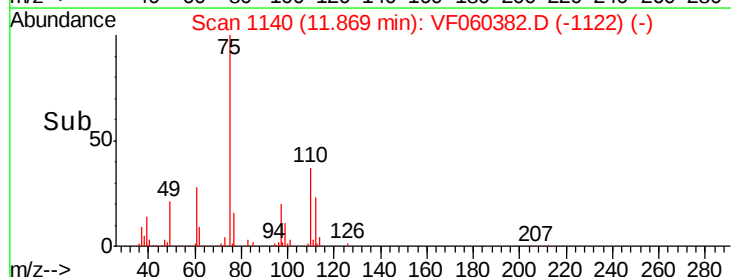
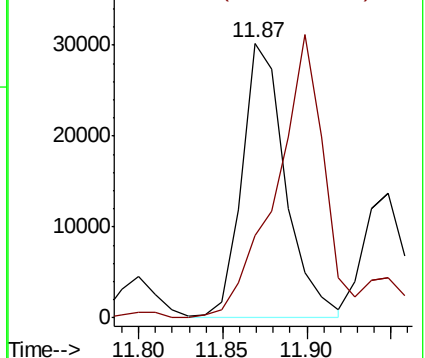
75 100

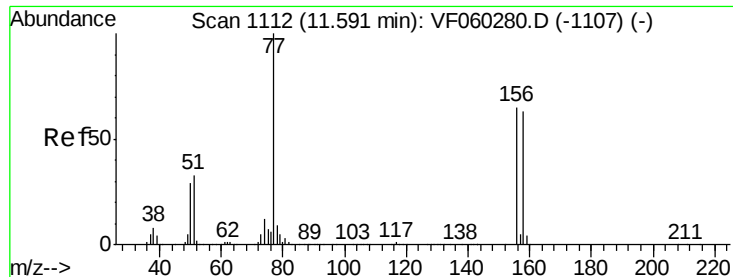
77 30.1 20.5 61.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 22.811 ug/l

RT: 11.58 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VF060382.D

Acq: 28 Sep 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

VF0928SBS01

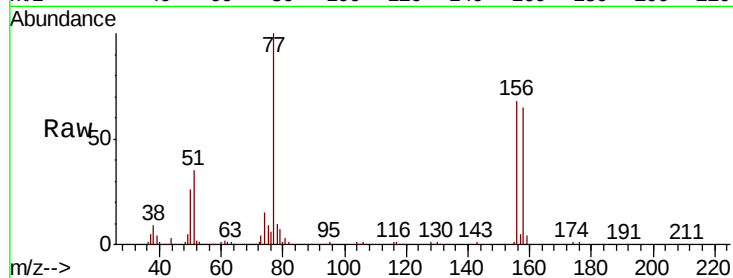
Tot Ion:156 Resp: 84647

Ion Ratio Lower Upper

156 100

77 147.9 77.3 232.1

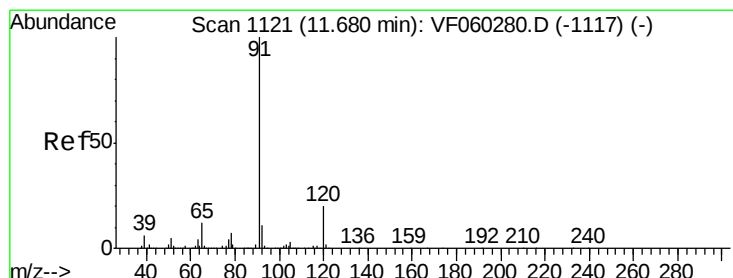
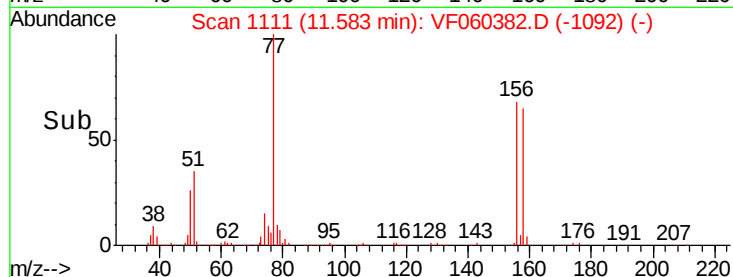
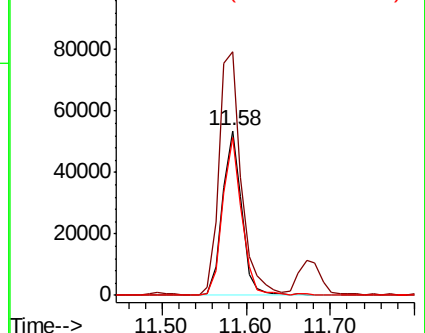
158 96.3 48.4 145.2



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: 23.982 ug/l

RT: 11.67 min Scan# 1120

Delta R.T. -0.01 min

Lab File: VF060382.D

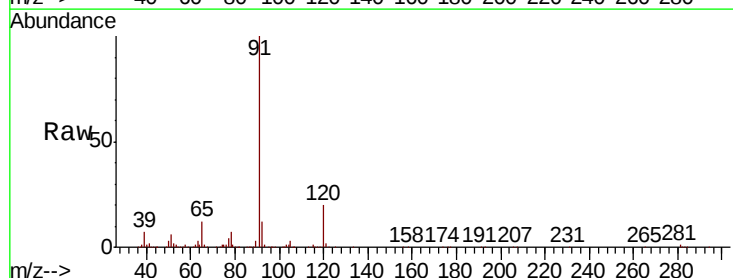
Acq: 28 Sep 2018 22:13

Tgt Ion: 91 Resp: 480648

Ion Ratio Lower Upper

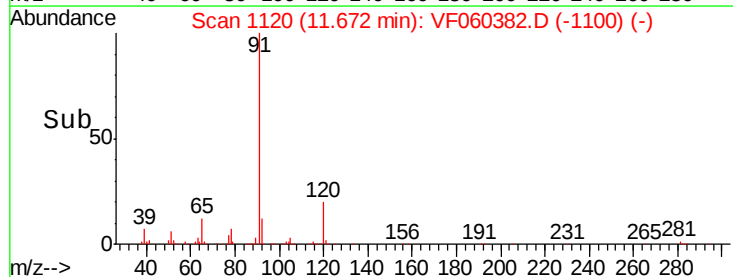
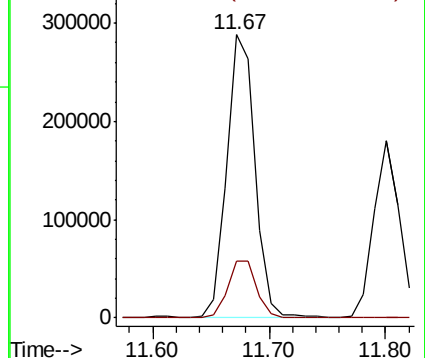
91 100

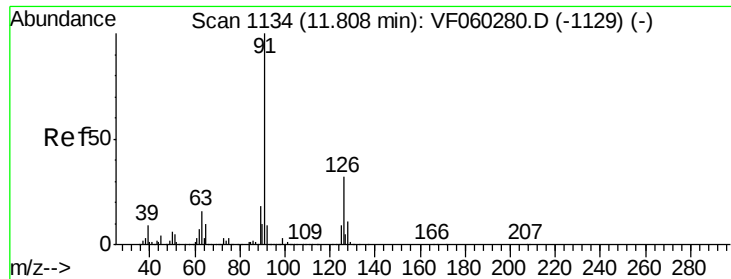
120 20.0 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

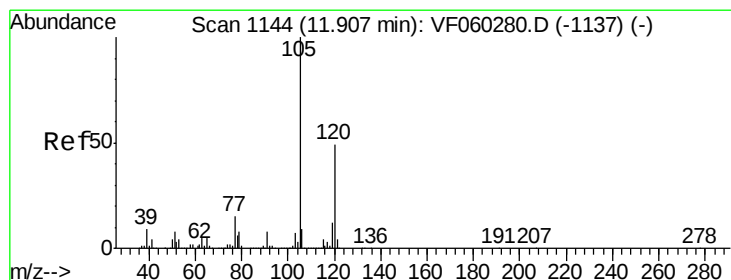
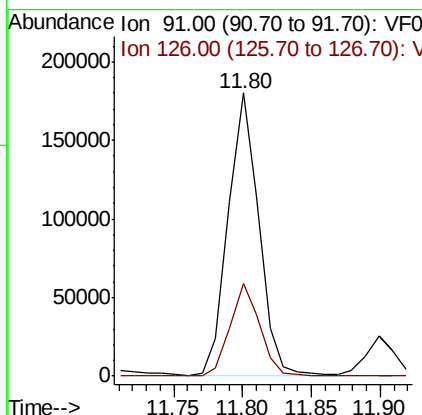
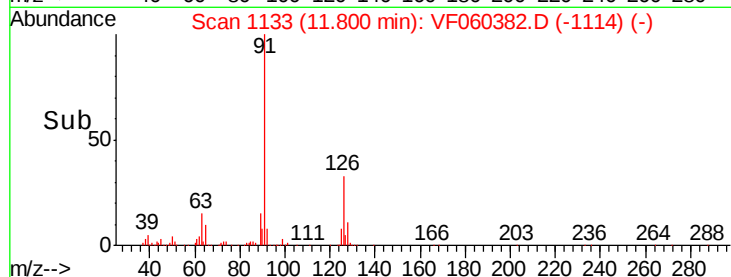
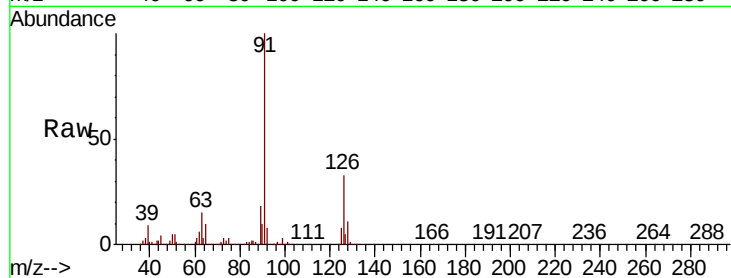




#79
 2-Chlorotoluene
 Concen: 23.798 ug/l
 RT: 11.80 min Scan# 1133
 Delta R.T. -0.01 min
 Lab File: VF060382.D
 Acq: 28 Sep 2018 22:13

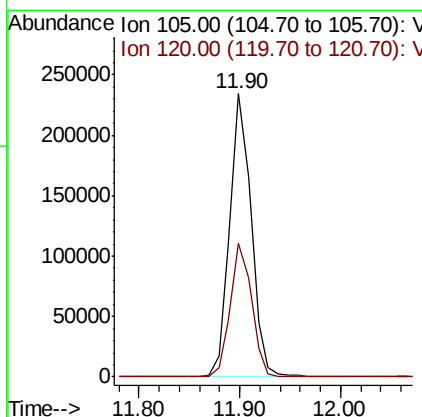
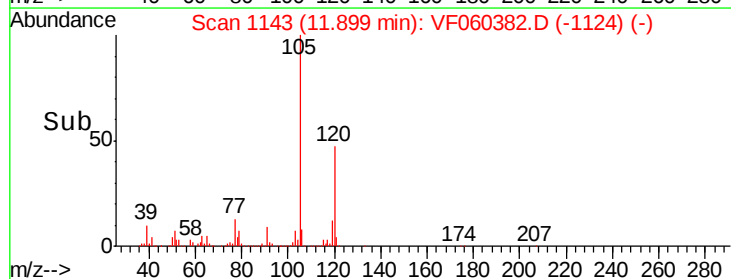
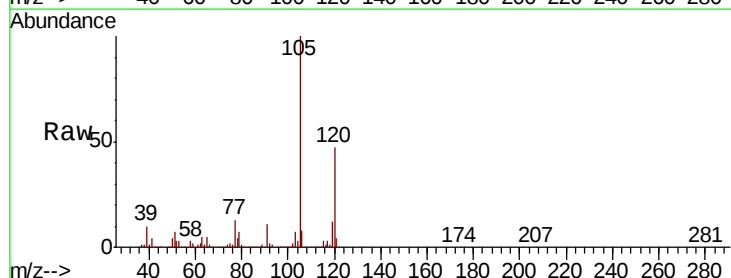
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0928SBSD01

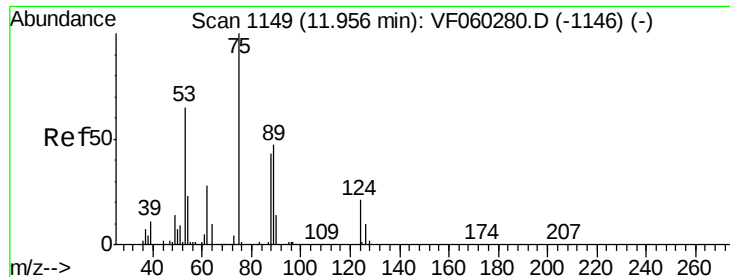
Tot Ion: 91 Resp: 276409
 Ion Ratio Lower Upper
 91 100
 126 32.9 16.1 48.3



#80
 1,3,5-Trimethylbenzene
 Concen: 24.994 ug/l
 RT: 11.90 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VF060382.D
 Acq: 28 Sep 2018 22:13

Tgt Ion: 105 Resp: 346420
 Ion Ratio Lower Upper
 105 100
 120 47.2 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 27.601 ug/l

RT: 11.95 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VF060382.D

Acq: 28 Sep 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

VF0928SBS01

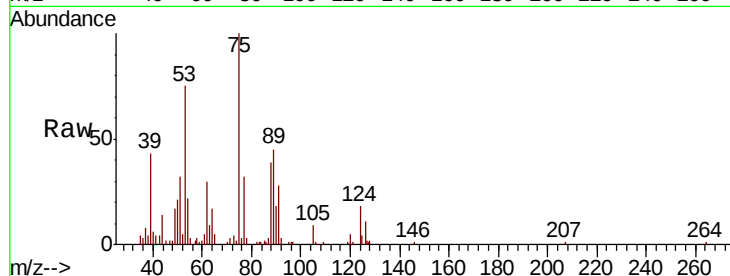
Tot Ion: 75 Resp: 31870

Ion Ratio Lower Upper

75 100

53 74.7 56.5 84.7

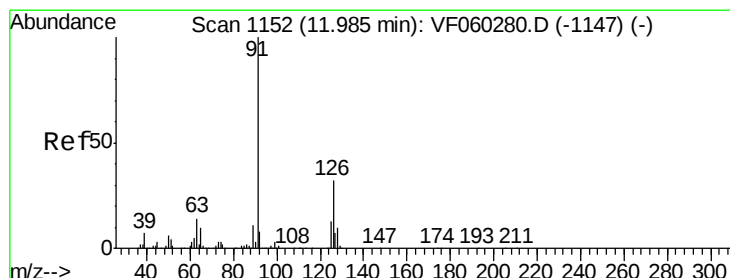
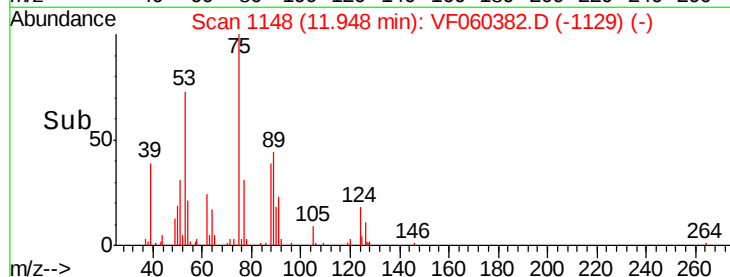
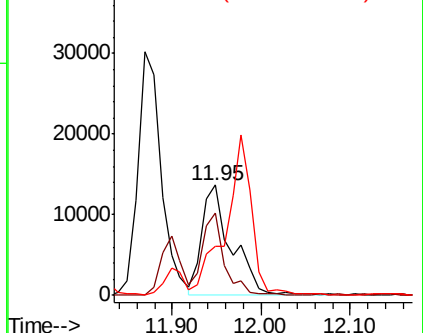
89 44.8 40.6 60.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 23.401 ug/l

RT: 11.98 min Scan# 1151

Delta R.T. -0.01 min

Lab File: VF060382.D

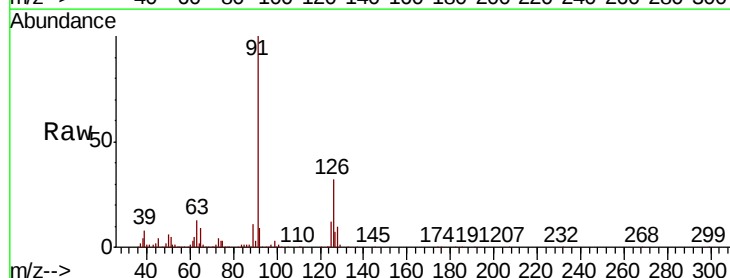
Acq: 28 Sep 2018 22:13

Tgt Ion: 91 Resp: 273179

Ion Ratio Lower Upper

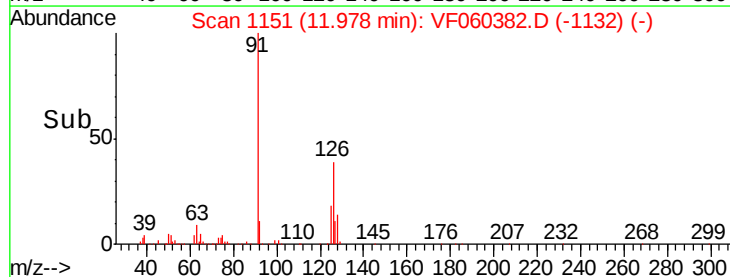
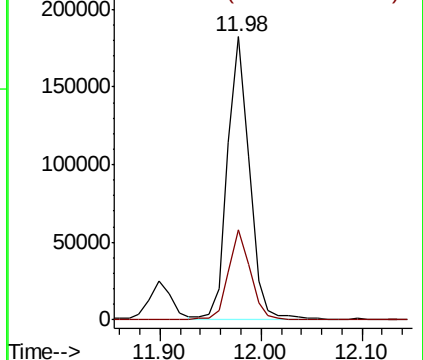
91 100

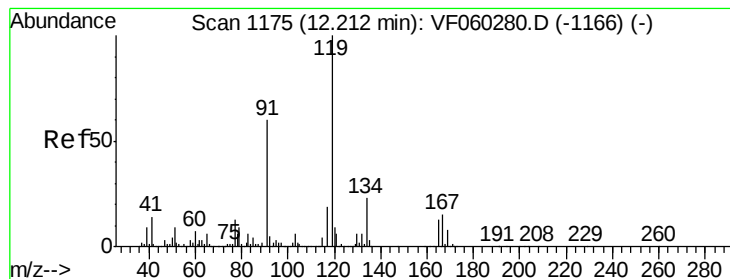
126 31.7 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#83

tert-Butylbenzene

Concen: 24.440 ug/l

RT: 12.20 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VF060382.D

Acq: 28 Sep 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

VF0928SBS01

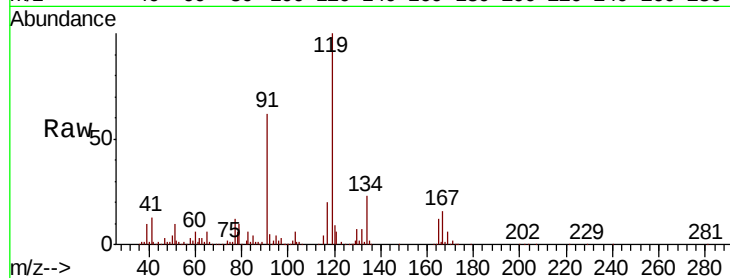
Tot Ion:119 Resp: 343394

Ion Ratio Lower Upper

119 100

91 61.6 30.3 91.0

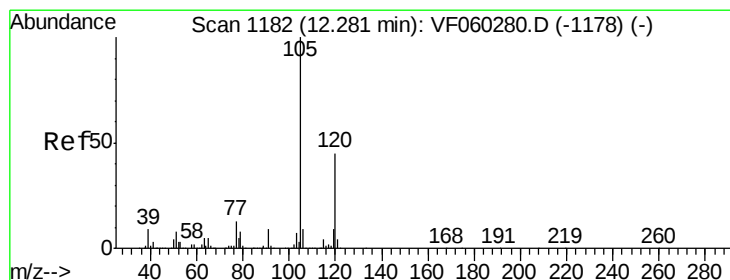
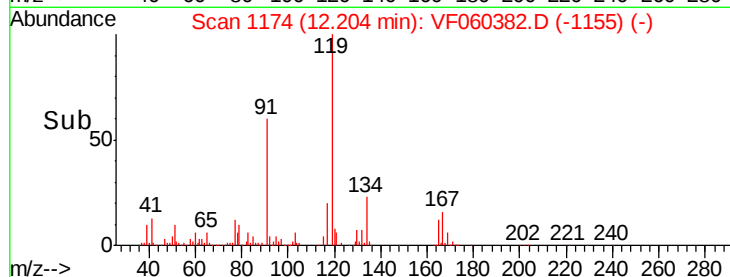
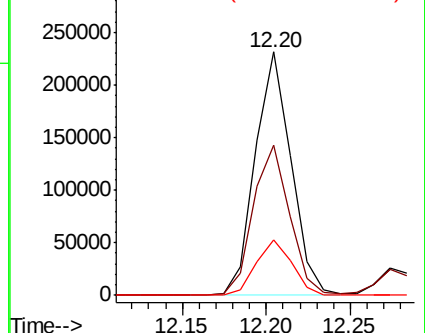
134 22.5 11.6 34.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 24.069 ug/l

RT: 12.27 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VF060382.D

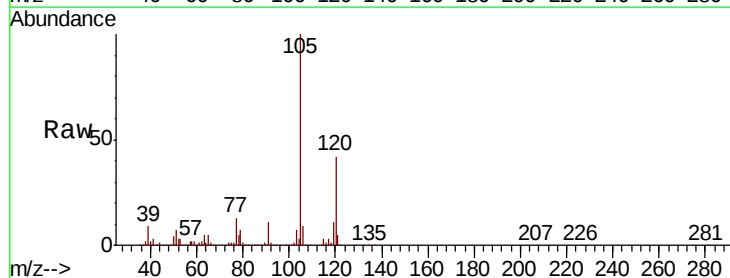
Acq: 28 Sep 2018 22:13

Tgt Ion:105 Resp: 338746

Ion Ratio Lower Upper

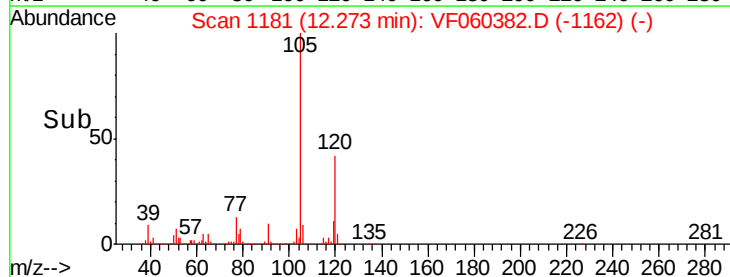
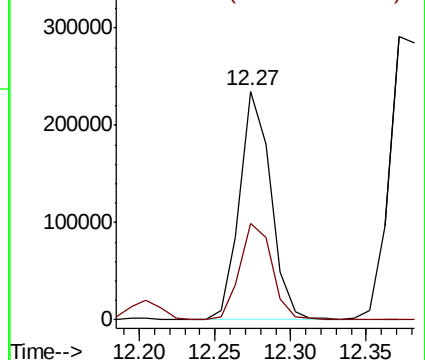
105 100

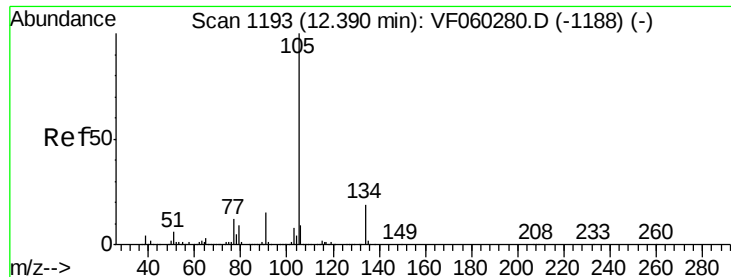
120 42.2 22.4 67.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 24.961 ug/l

RT: 12.37 min Scan# 1191

Delta R.T. -0.02 min

Lab File: VF060382.D

Acq: 28 Sep 2018 22:13

Instrument :

MSVOA_F

ClientSampleId :

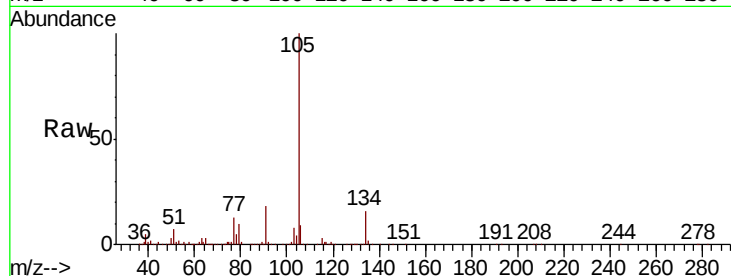
VF0928SBSD01

Tot Ion:105 Resp: 476842

Ion Ratio Lower Upper

105 100

134 16.4 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.37

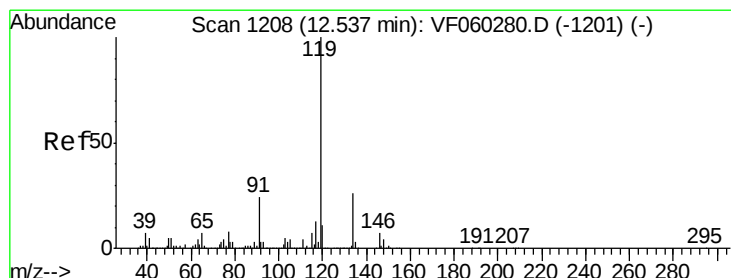
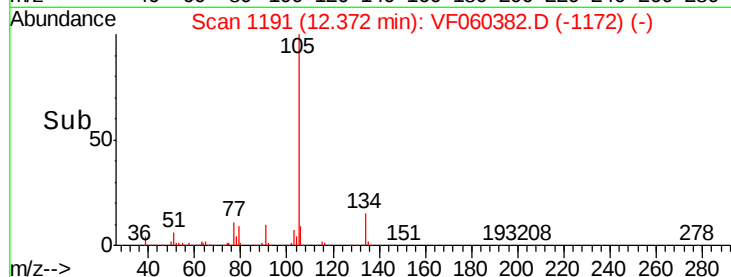
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 26.180 ug/l

RT: 12.53 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VF060382.D

Acq: 28 Sep 2018 22:13

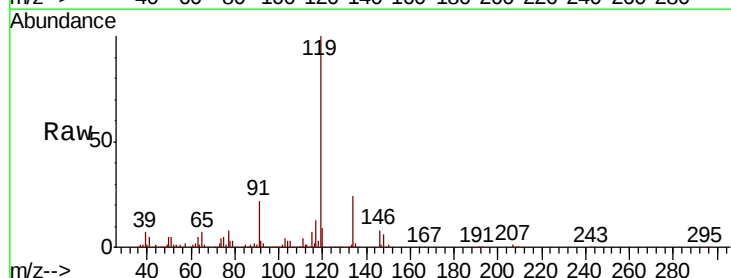
Tgt Ion:119 Resp: 391562

Ion Ratio Lower Upper

119 100

134 23.9 12.9 38.7

91 22.3 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

12.53

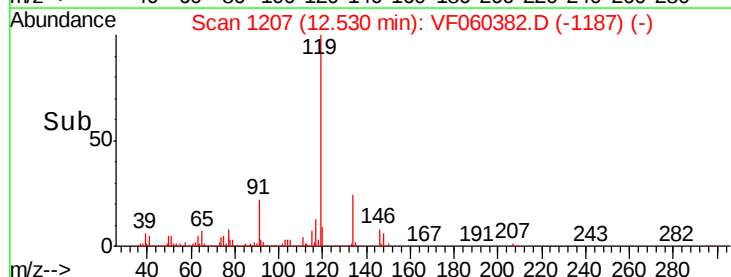
300000

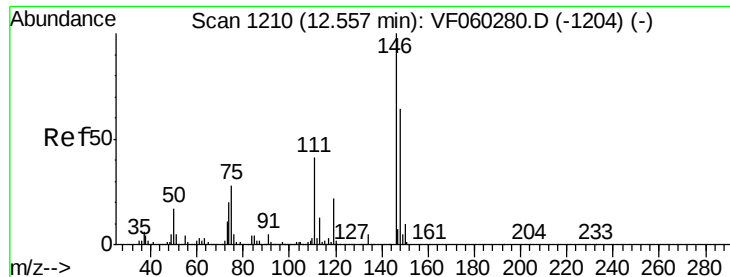
200000

100000

0

Time-->

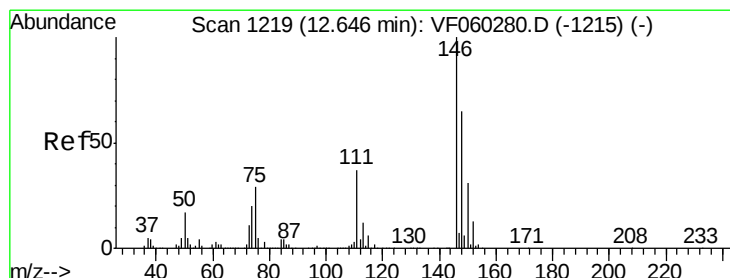
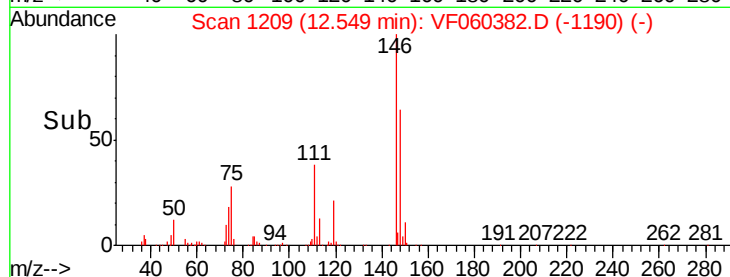
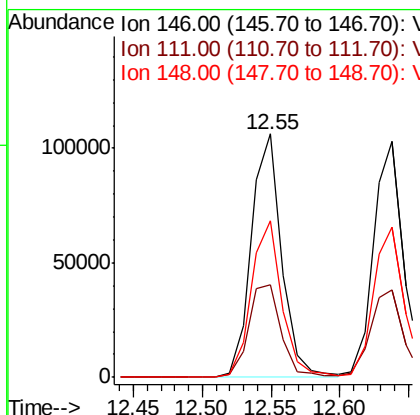
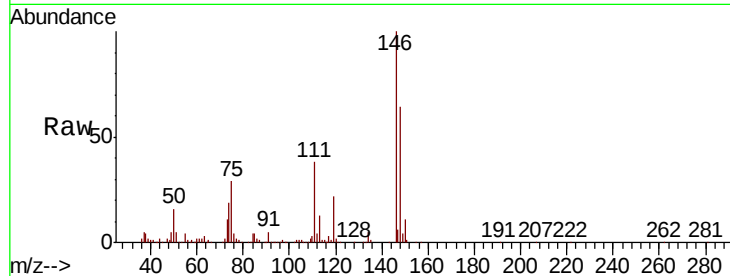




#87
 1,3-Dichlorobenzene
 Concen: 23.654 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF060382.D
 Acq: 28 Sep 2018 22:13

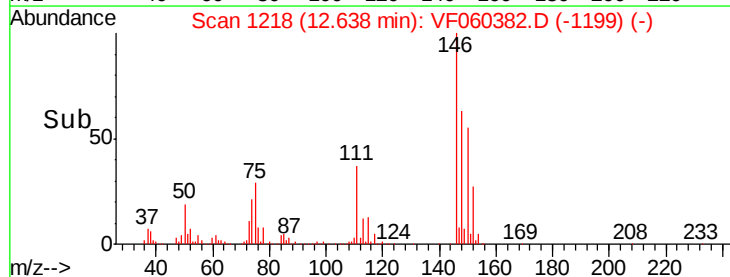
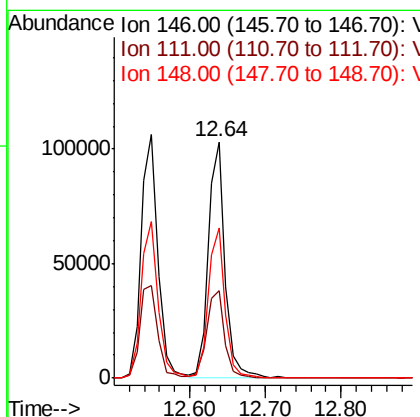
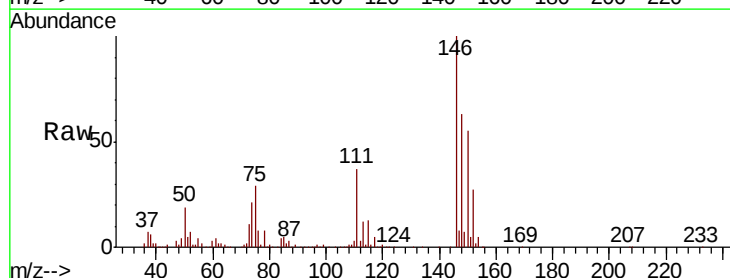
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0928SBSD01

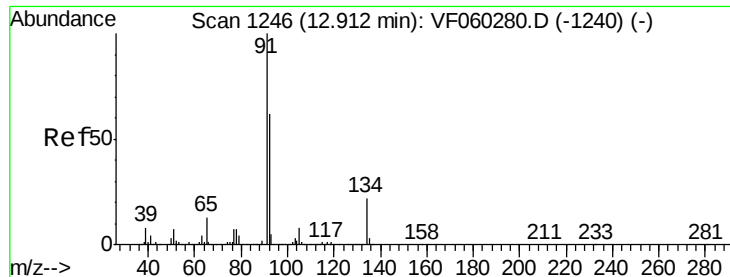
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	20.5	61.6
148	64.2	32.2	96.6



#88
 1,4-Dichlorobenzene
 Concen: 23.490 ug/l
 RT: 12.64 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF060382.D
 Acq: 28 Sep 2018 22:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.7	56.1
148	63.5	32.4	97.0

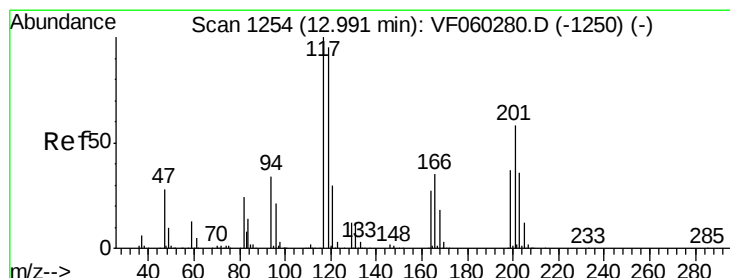
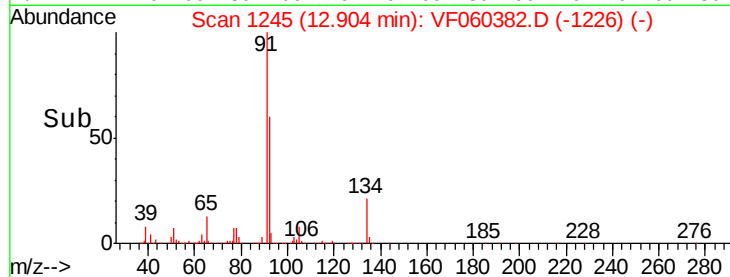
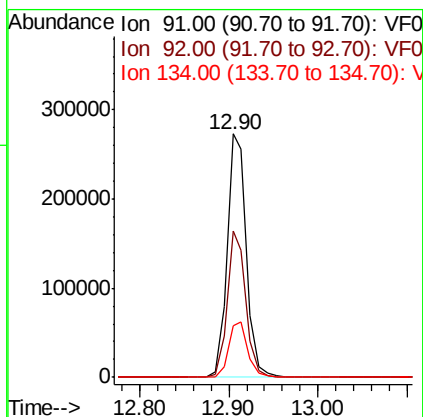
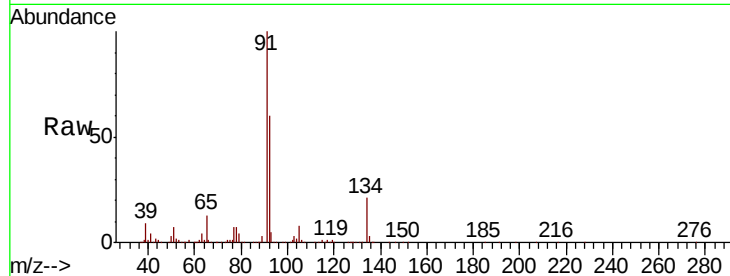




#89
n-Butylbenzene
Concen: 25.337 ug/l
RT: 12.90 min Scan# 1245
Delta R.T. -0.01 min
Lab File: VF060382.D
Acq: 28 Sep 2018 22:13

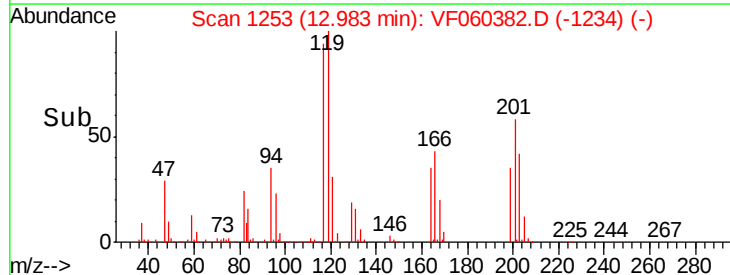
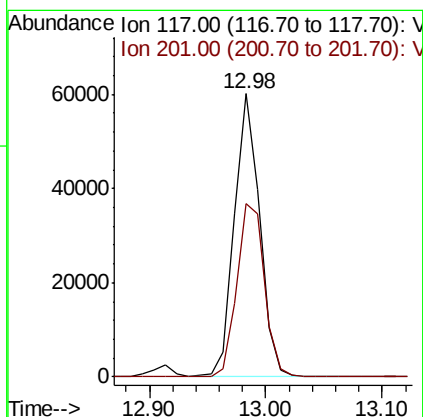
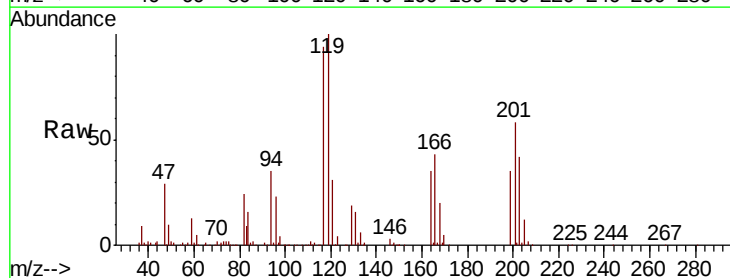
Instrument :
MSVOA_F
ClientSampleId :
VF0928SBS01

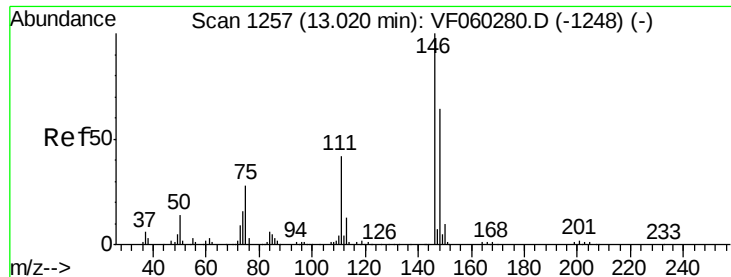
Tot Ion: 91 Resp: 417240
Ion Ratio Lower Upper
91 100
92 60.3 31.1 93.5
134 21.0 11.0 33.0



#90
Hexachloroethane
Concen: 23.112 ug/l
RT: 12.98 min Scan# 1253
Delta R.T. -0.01 min
Lab File: VF060382.D
Acq: 28 Sep 2018 22:13

Tgt Ion: 117 Resp: 90870
Ion Ratio Lower Upper
117 100
201 61.4 29.0 87.0

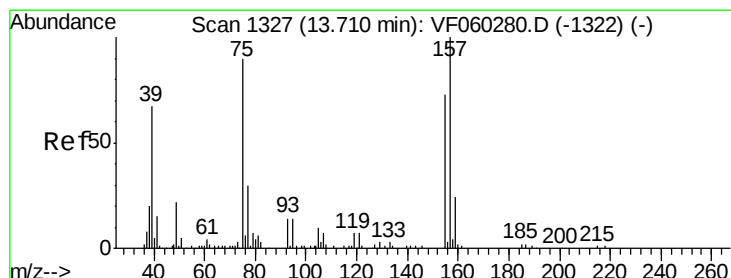
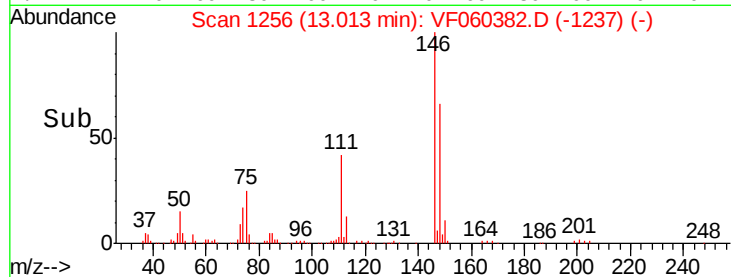
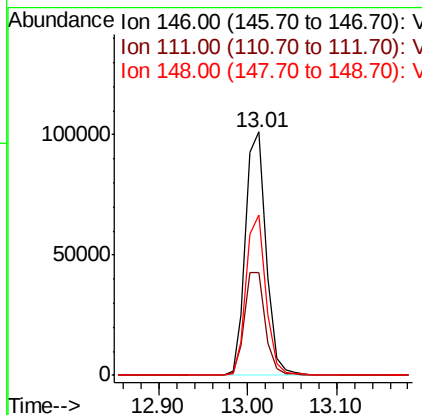
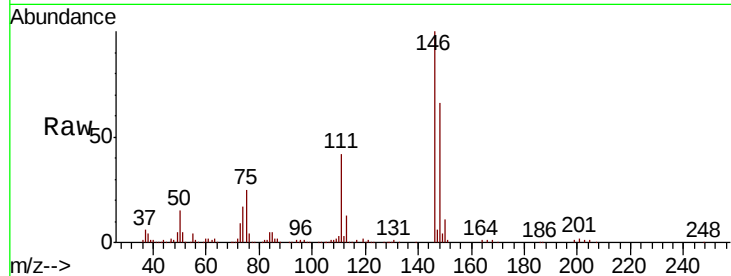




#91
 1,2-Dichlorobenzene
 Concen: 24.579 ug/l
 RT: 13.01 min Scan# 1256
 Delta R.T. -0.01 min
 Lab File: VF060382.D
 Acq: 28 Sep 2018 22:13

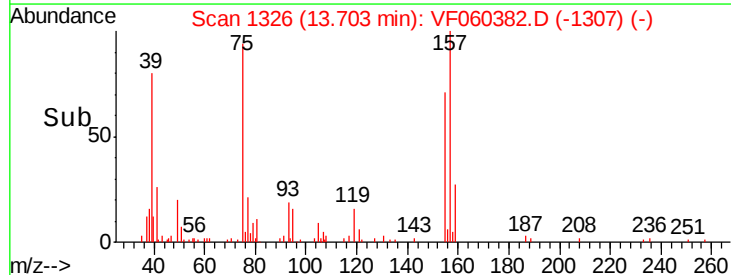
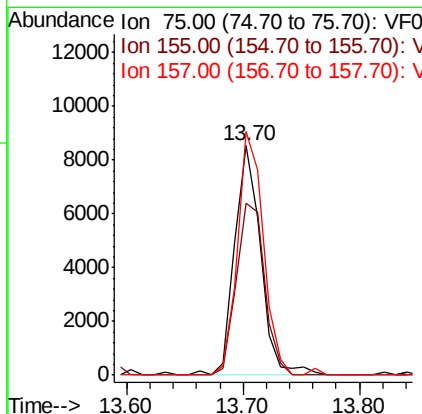
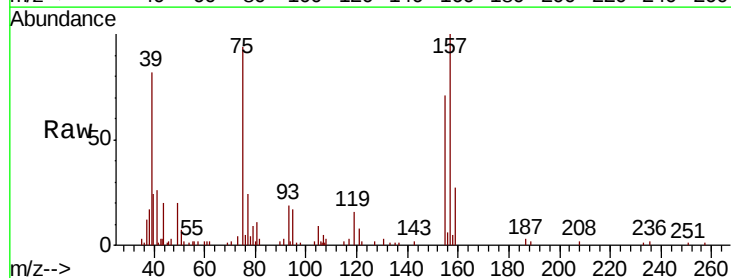
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0928SBS01

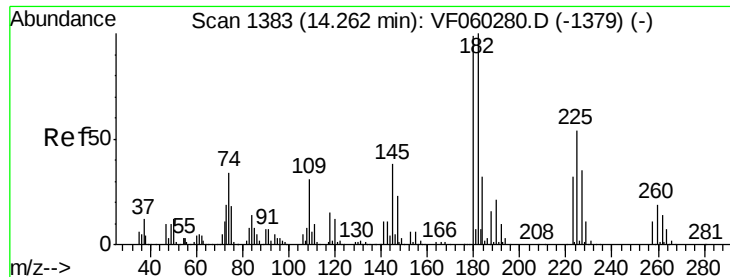
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.9	62.8
148	65.7	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.155 ug/l
 RT: 13.70 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: VF060382.D
 Acq: 28 Sep 2018 22:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.1	41.9	125.7
157	106.1	57.4	172.0

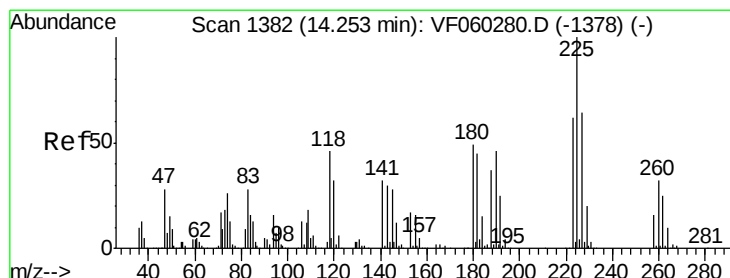
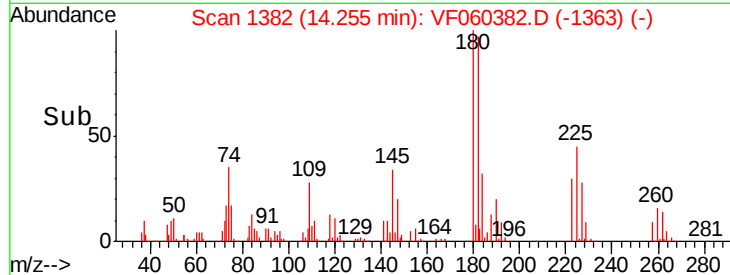
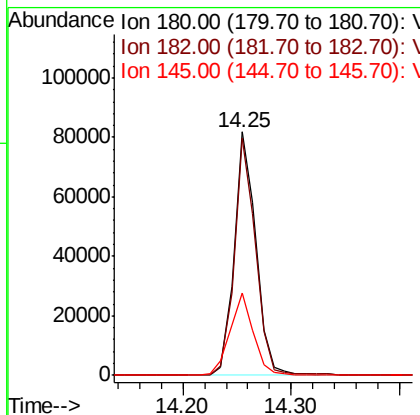
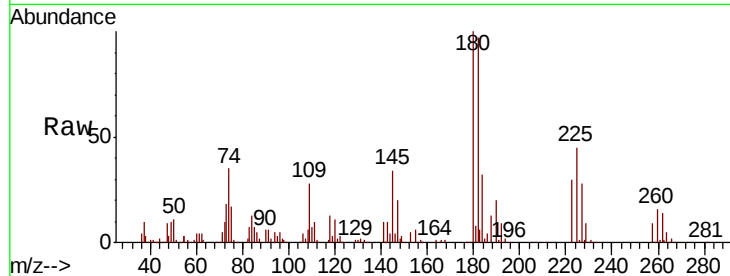




#93
 1,2,4-Trichlorobenzene
 Concen: 23.938 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. -0.01 min
 Lab File: VF060382.D
 Acq: 28 Sep 2018 22:13

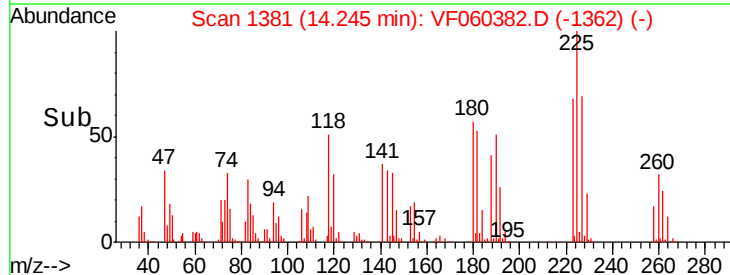
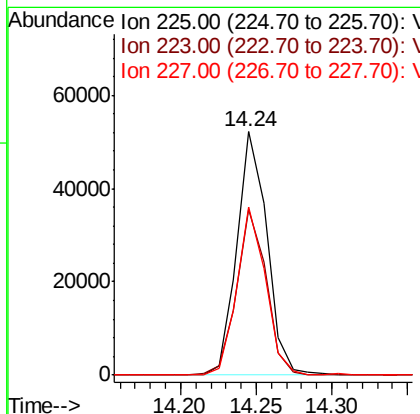
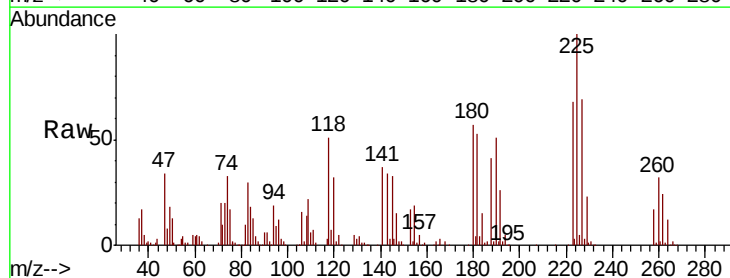
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0928SBS01

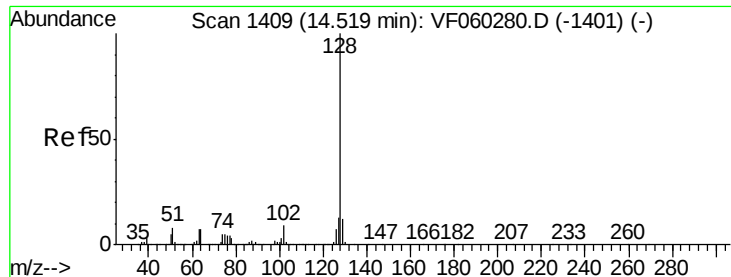
Tot Ion:180 Resp: 115090
 Ion Ratio Lower Upper
 180 100
 182 97.5 50.3 151.0
 145 34.1 18.9 56.9



#94
 Hexachlorobutadiene
 Concen: 22.102 ug/l
 RT: 14.24 min Scan# 1381
 Delta R.T. -0.01 min
 Lab File: VF060382.D
 Acq: 28 Sep 2018 22:13

Tgt Ion:225 Resp: 71833
 Ion Ratio Lower Upper
 225 100
 223 68.0 31.2 93.6
 227 69.1 32.2 96.6

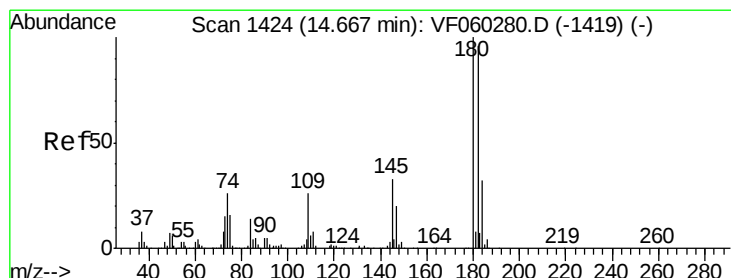
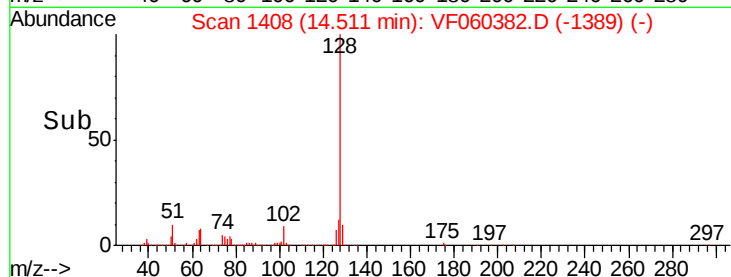
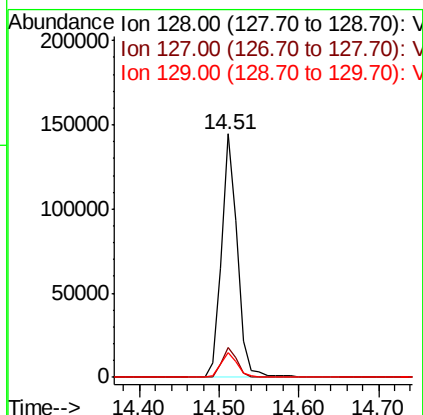
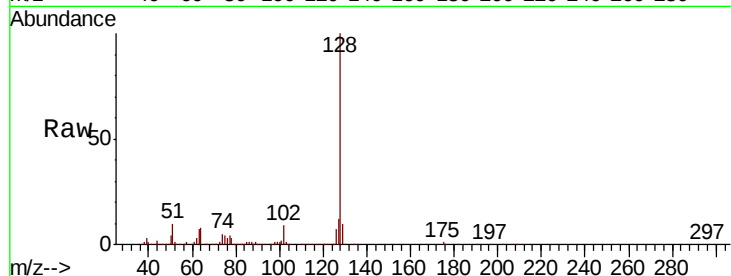




#95
Naphthalene
Concen: 24.274 ug/l
RT: 14.51 min Scan# 1408
Delta R.T. -0.01 min
Lab File: VF060382.D
Acq: 28 Sep 2018 22:13

Instrument :
MSVOA_F
ClientSampleId :
VF0928SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.1	15.1
129	10.2	9.8	14.8



#96
1,2,3-Trichlorobenzene
Concen: 24.086 ug/l
RT: 14.66 min Scan# 1423
Delta R.T. -0.01 min
Lab File: VF060382.D
Acq: 28 Sep 2018 22:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.3	47.8	143.4
145	33.8	16.4	49.1

