

Data File : VF060718.D
Acq On : 13 Nov 2018 20:05
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Quant Time: Nov 14 03:24:17 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 14 03:11:14 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	207704	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.60	114	345778	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.78	117	330280	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.56	152	171883	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	113890	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	
35) Dibromofluoromethane	4.11	113	128137	49.30	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	98.60%	
50) Toluene-d8	7.56	98	350533	52.76	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	105.52%	
62) 4-Bromofluorobenzene	11.41	95	165019	53.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.94%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.97	85	179599	48.316	ug/l	100
3) Chloromethane	1.12	50	110193	47.800	ug/l	94
4) Vinyl Chloride	1.15	62	102308	49.610	ug/l	97
5) Bromomethane	1.34	94	65732	50.179	ug/l	96
6) Chloroethane	1.38	64	42217	52.323	ug/l	96
7) Trichlorofluoromethane	1.50	101	230593	50.565	ug/l	93
8) Diethyl Ether	1.63	74	26843	45.941	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.84	101	109291	50.857	ug/l	96
10) Methyl Iodide	1.90	142	122891	35.641	ug/l	94
11) Tert butyl alcohol	2.57	59	26268	243.628	ug/l	98
12) 1,1-Dichloroethene	1.79	96	82080	48.438	ug/l	95
13) Acrolein	2.00	56	18713	189.815	ug/l #	82
14) Allyl chloride	2.10	41	135124	45.518	ug/l	99
15) Acrylonitrile	2.94	53	54756	238.329	ug/l	95
16) Acetone	2.24	43	117767	232.566	ug/l	99
17) Carbon Disulfide	1.85	76	187320	36.575	ug/l	96
18) Methyl Acetate	2.35	43	36391	43.766	ug/l	97
19) Methyl tert-butyl Ether	2.44	73	186182	45.799	ug/l	98
20) Methylene Chloride	2.18	84	37636	20.686	ug/l	93
21) trans-1,2-Dichloroethene	2.32	96	87072	49.182	ug/l	92
22) Diisopropyl ether	2.80	45	275348	48.043	ug/l	99
23) Vinyl Acetate	3.20	43	679367	251.724	ug/l	99
24) 1,1-Dichloroethane	2.87	63	172454	49.701	ug/l	99
25) 2-Butanone	4.34	43	195939	235.246	ug/l	100
26) 2,2-Dichloropropane	3.60	77	127896	46.840	ug/l	98
27) cis-1,2-Dichloroethene	3.48	96	149534	49.651	ug/l	95
28) Bromochloromethane	3.73	49	92902	51.519	ug/l	99
29) Tetrahydrofuran	4.07	42	78472	228.407	ug/l	98
30) Chloroform	3.87	83	272321	48.915	ug/l	94
31) Cyclohexane	3.70	56	208399	49.486	ug/l	98
32) 1,1,1-Trichloroethane	4.10	97	209755	47.845	ug/l	98
36) 1,1-Dichloropropene	4.29	75	198777	49.568	ug/l	98
37) Ethyl Acetate	4.11	43	72499	48.628	ug/l	99
38) Carbon Tetrachloride	4.00	117	190008	48.831	ug/l	94

Data File : VF060718.D
Acq On : 13 Nov 2018 20:05
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Quant Time: Nov 14 03:24:17 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 14 03:11:14 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	235859	50.696	ug/l	97
40) Benzene	4.64	78	434633	48.621	ug/l	96
41) Methacrylonitrile	4.75	41	49674	63.676	ug/l	96
42) 1,2-Dichloroethane	4.95	62	150907	48.851	ug/l	99
43) Isopropyl Acetate	6.96	43	86141	43.577	ug/l #	97
44) Trichloroethene	5.51	130	137552	48.771	ug/l	98
45) 1,2-Dichloropropane	6.24	63	113346	48.727	ug/l	97
46) Dibromomethane	6.10	93	74712	48.656	ug/l	94
47) Bromodichloromethane	6.39	83	182288	46.489	ug/l	100
48) Methyl methacrylate	6.72	41	61431	46.956	ug/l	93
49) 1,4-Dioxane	6.71	88	13375	1093.151	ug/l	88
51) 4-Methyl-2-Pentanone	8.27	43	328549	229.805	ug/l	100
52) Toluene	7.63	92	277556	46.333	ug/l	100
53) t-1,3-Dichloropropene	8.29	75	142404	45.343	ug/l	94
54) cis-1,3-Dichloropropene	7.31	75	195472	47.916	ug/l	99
55) 1,1,2-Trichloroethane	8.49	97	76399	44.637	ug/l	98
56) Ethyl methacrylate	8.62	69	95049	48.898	ug/l	99
57) 1,3-Dichloropropane	8.86	76	142194	47.937	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.63	63	42467	239.159	ug/l	100
59) 2-Hexanone	9.50	43	239099	237.972	ug/l	99
60) Dibromochloromethane	8.72	129	120054	49.216	ug/l	100
61) 1,2-Dibromoethane	9.00	107	88776	49.318	ug/l	94
64) Tetrachloroethene	8.16	164	118167	45.180	ug/l	97
65) Chlorobenzene	9.81	112	311429	46.727	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.93	131	126961	43.675	ug/l	92
67) Ethyl Benzene	9.90	91	563582	44.861	ug/l	99
68) m/p-Xylenes	10.14	106	390713	87.027	ug/l	99
69) o-Xylene	10.72	106	231181	45.800	ug/l	97
70) Styrene	10.79	104	306343	44.720	ug/l	98
71) Bromoform	10.78	173	58769	44.957	ug/l #	98
73) Isopropylbenzene	11.13	105	709128	51.255	ug/l	100
74) N-amyl acetate	11.37	43	145464	46.185	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.70	83	111001	48.527	ug/l	100
76) 1,2,3-Trichloropropane	11.80	75	75507	44.447	ug/l	98
77) Bromobenzene	11.50	156	141730	49.214	ug/l	96
78) n-propylbenzene	11.60	91	790373	48.982	ug/l	100
79) 2-Chlorotoluene	11.73	91	455416	48.560	ug/l	99
80) 1,3,5-Trimethylbenzene	11.83	105	551532	50.212	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.88	75	52687	63.128	ug/l	97
82) 4-Chlorotoluene	11.91	91	458100	47.681	ug/l	98
83) tert-Butylbenzene	12.13	119	568924	48.782	ug/l	98
84) 1,2,4-Trimethylbenzene	12.21	105	527090	46.399	ug/l	95
85) sec-Butylbenzene	12.31	105	802800	50.744	ug/l	98
86) p-Isopropyltoluene	12.46	119	656271	49.668	ug/l	95
87) 1,3-Dichlorobenzene	12.48	146	278397	48.576	ug/l	99
88) 1,4-Dichlorobenzene	12.57	146	265469	48.196	ug/l	97
89) n-Butylbenzene	12.84	91	633689	46.995	ug/l	98
90) Hexachloroethane	12.92	117	167641	51.872	ug/l	95
91) 1,2-Dichlorobenzene	12.94	146	262535	48.651	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.64	75	20633	47.992	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF111318\
Quantitation Report (Not Reviewed)

Data File : VF060718.D
Acq On : 13 Nov 2018 20:05
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

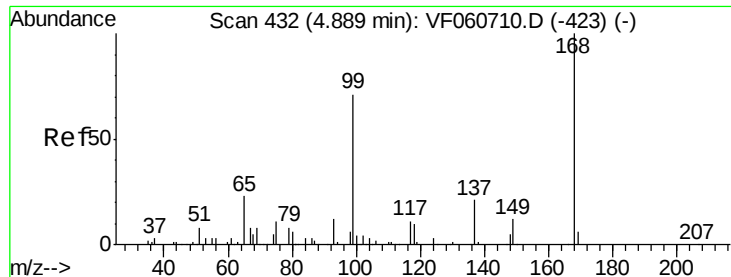
Quant Time: Nov 14 03:24:17 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 14 03:11:14 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	191645	49.411	ug/l	94
94) Hexachlorobutadiene	14.20	225	131775	51.992	ug/l	96
95) Naphthalene	14.46	128	351867	49.719	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	186705	52.094	ug/l	98

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

Quant Time: Nov 14 03:24:17 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 14 03:11:14 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.02 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

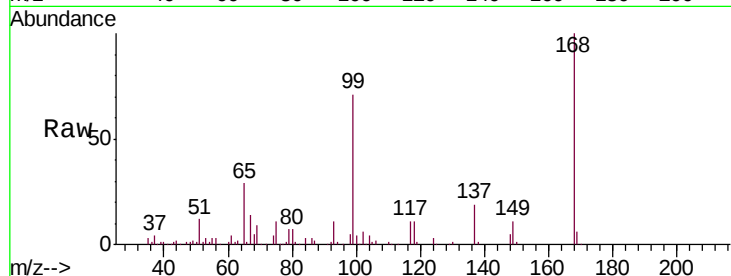
VSTDCCC050EC

Tgt Ion:168 Resp: 207704

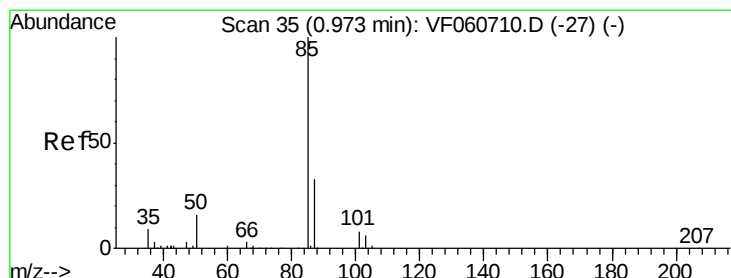
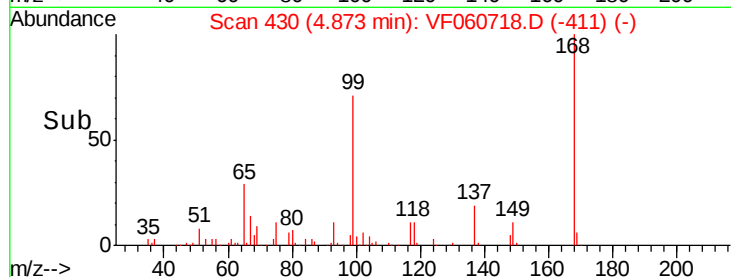
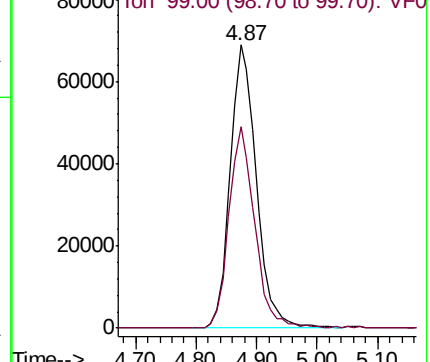
Ion Ratio Lower Upper

168 100

99 71.3 57.2 85.8



Abundance Ion 168.00 (167.70 to 168.70): VF060718.D (-411) (-)



#2

Dichlorodifluoromethane

Concen: 48.316 ug/l

RT: 0.97 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF060718.D

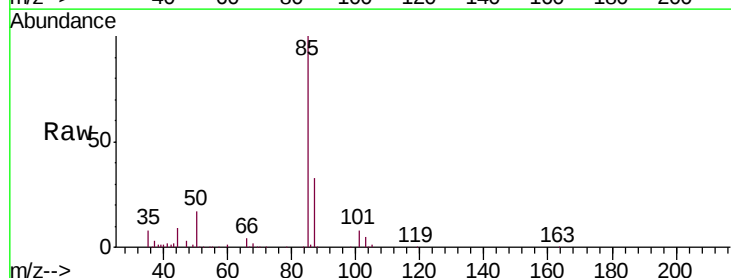
Acq: 13 Nov 2018 20:05

Tgt Ion: 85 Resp: 179599

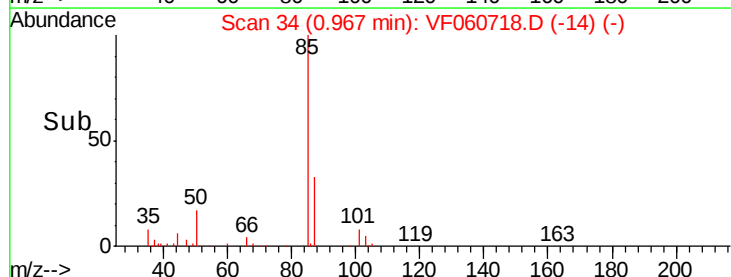
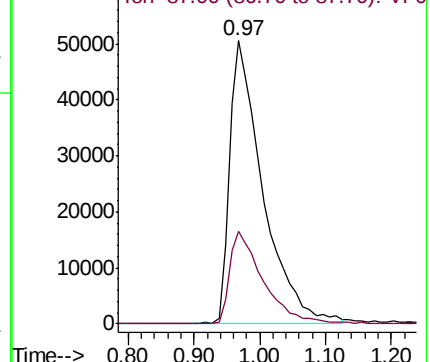
Ion Ratio Lower Upper

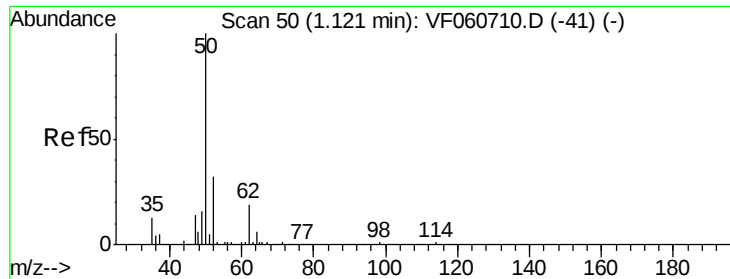
85 100

87 32.6 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VF060718.D (-14) (-)





#3

Chloromethane

Concen: 47.800 ug/l

RT: 1.12 min Scan# 49

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

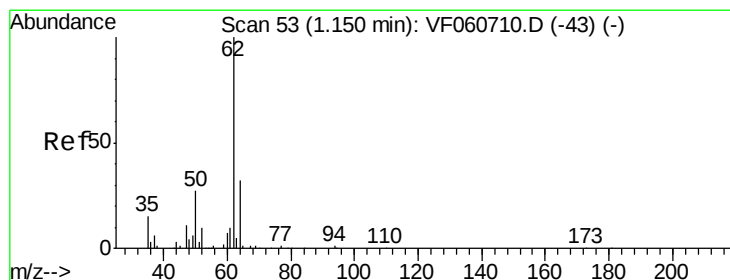
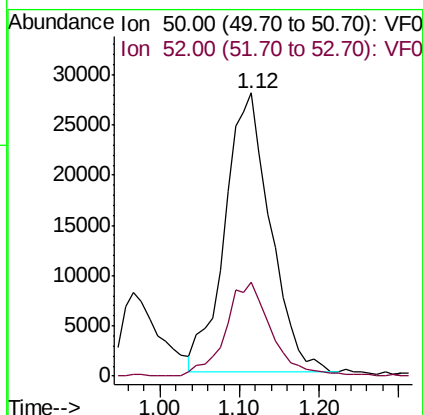
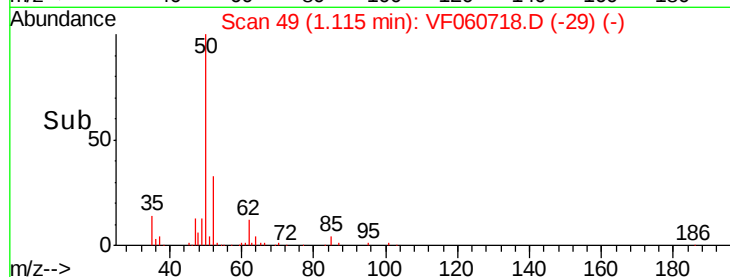
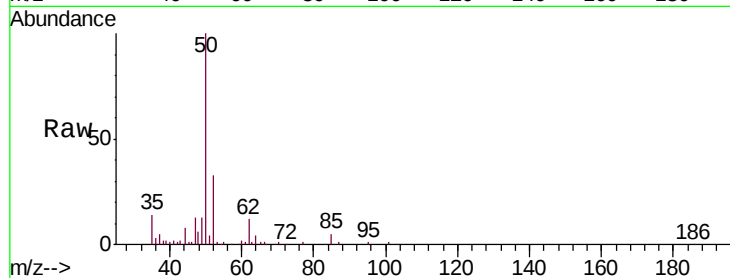
VSTDCCC050EC

Tgt Ion: 50 Resp: 110193

Ion Ratio Lower Upper

50 100

52 33.4 24.2 36.2



#4

Vinyl Chloride

Concen: 49.610 ug/l

RT: 1.15 min Scan# 53

Delta R.T. 0.00 min

Lab File: VF060718.D

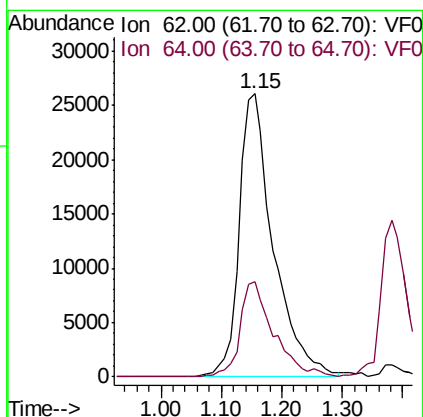
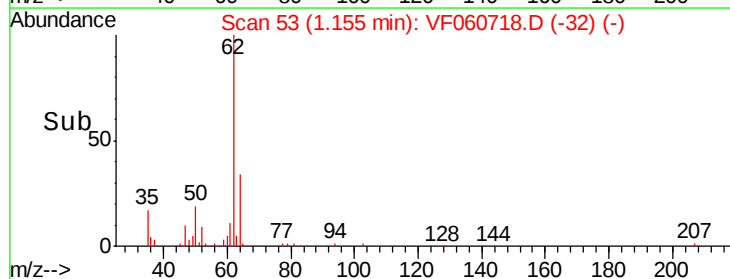
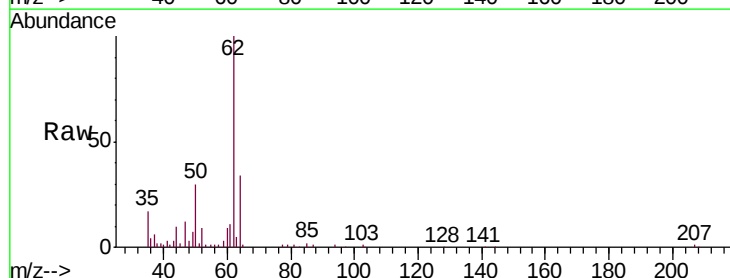
Acq: 13 Nov 2018 20:05

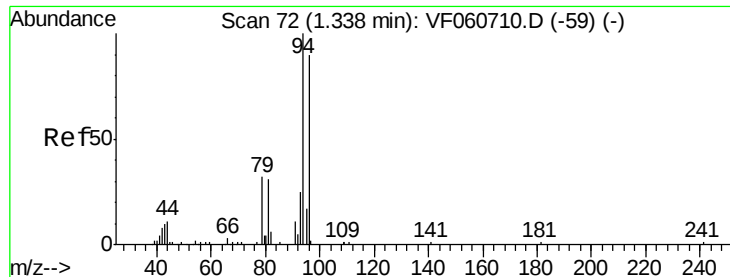
Tgt Ion: 62 Resp: 102308

Ion Ratio Lower Upper

62 100

64 33.8 25.8 38.8





#5

Bromomethane

Concen: 50.179 ug/l

RT: 1.34 min Scan# 72

Delta R.T. 0.00 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

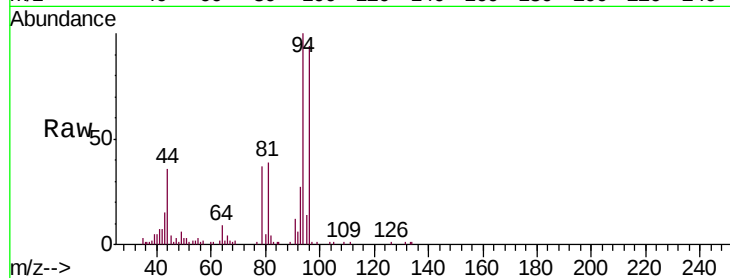
VSTDCCC050EC

Tgt Ion: 94 Resp: 65732

Ion Ratio Lower Upper

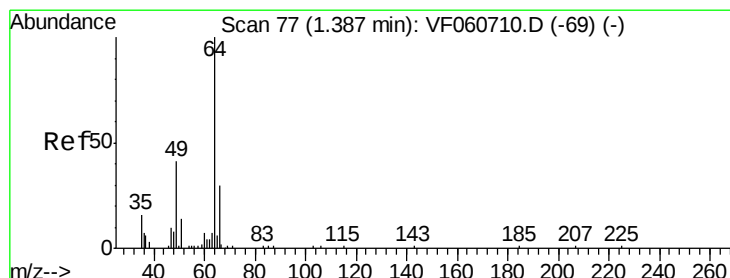
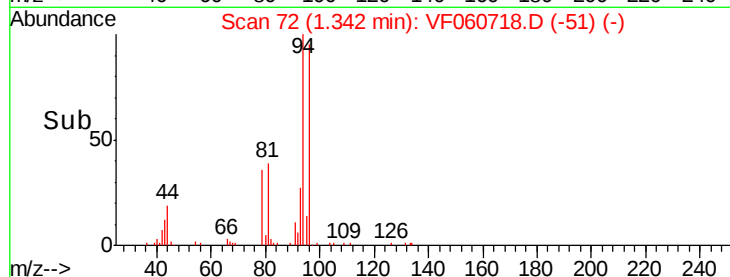
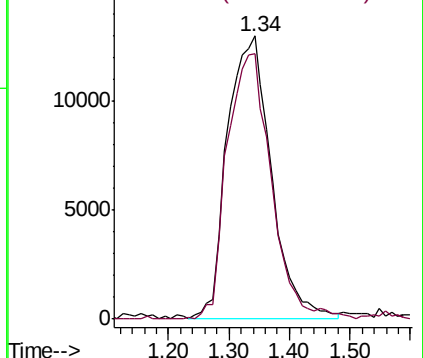
94 100

96 93.6 71.9 107.9



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 52.323 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF060718.D

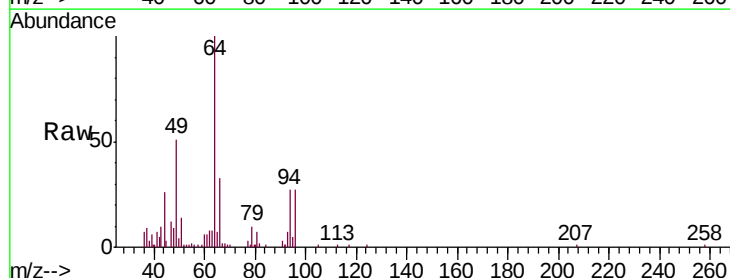
Acq: 13 Nov 2018 20:05

Tgt Ion: 64 Resp: 42217

Ion Ratio Lower Upper

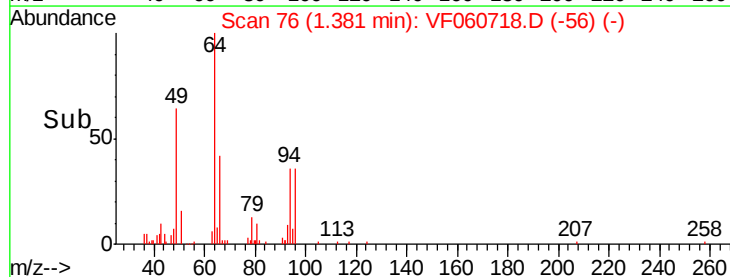
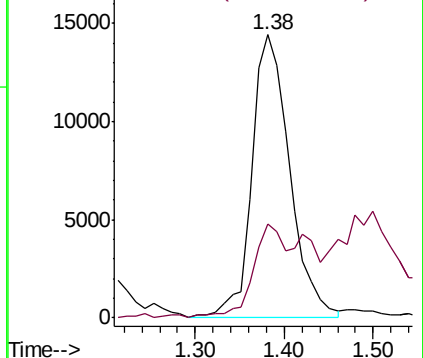
64 100

66 33.2 24.8 37.2



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 50.565 ug/l

RT: 1.50 min Scan# 88

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

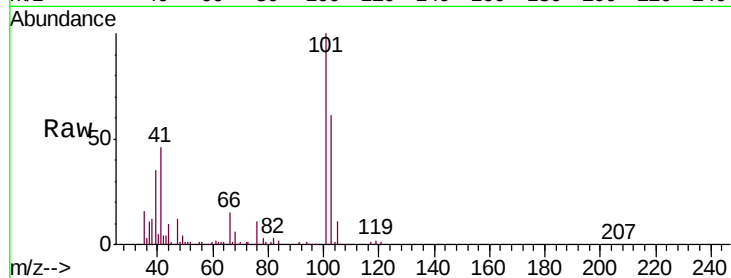
VSTDCCC050EC

Tgt Ion:101 Resp: 230593

Ion Ratio Lower Upper

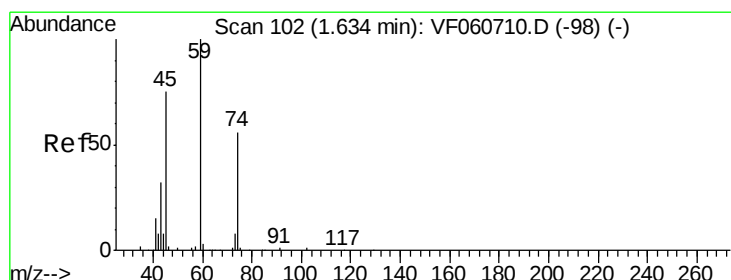
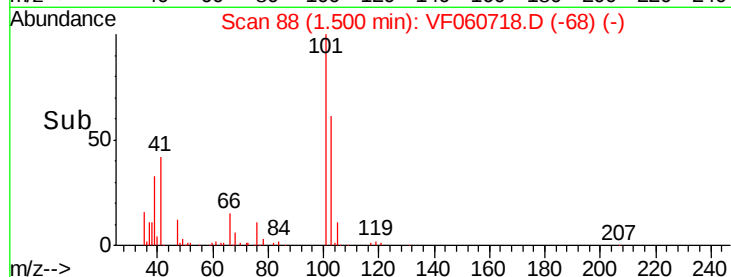
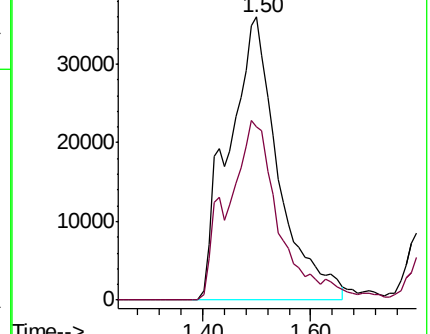
101 100

103 61.2 53.1 79.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 45.941 ug/l

RT: 1.63 min Scan# 101

Delta R.T. -0.01 min

Lab File: VF060718.D

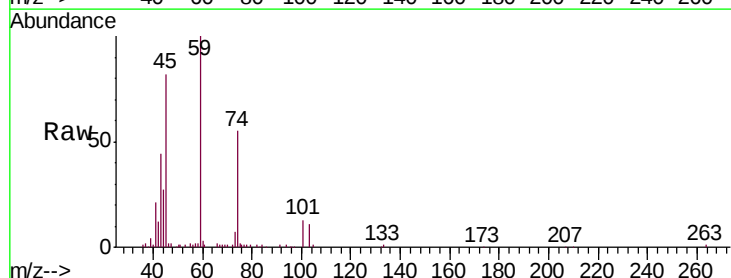
Acq: 13 Nov 2018 20:05

Tgt Ion: 74 Resp: 26843

Ion Ratio Lower Upper

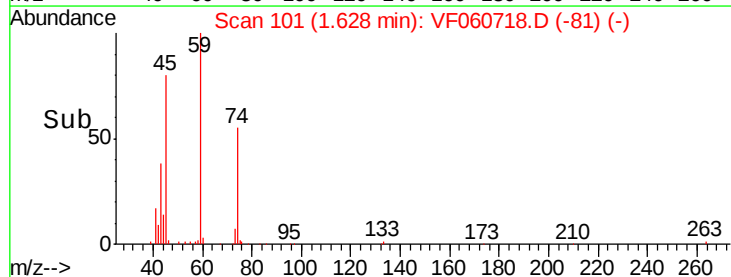
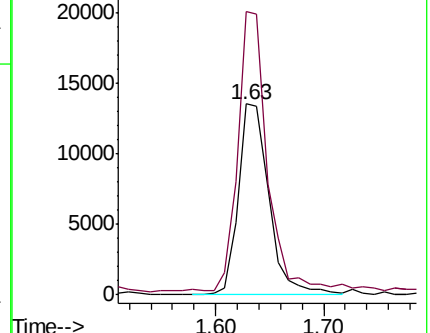
74 100

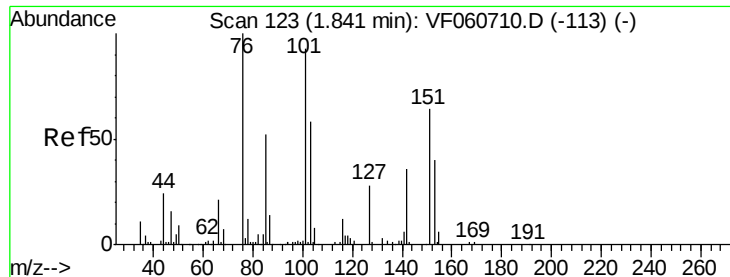
45 148.5 67.7 203.1



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: 50.857 ug/l

RT: 1.84 min Scan# 122

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

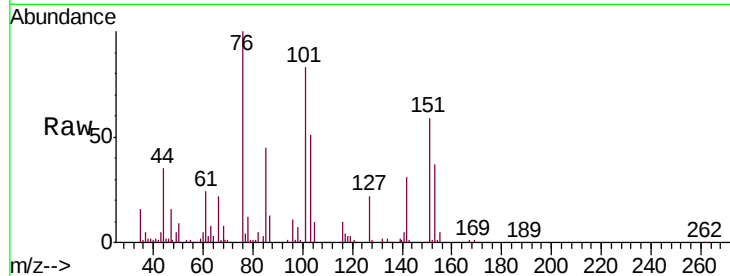
Tgt Ion:101 Resp: 109291

Ion Ratio Lower Upper

101 100

85 54.9 43.6 65.4

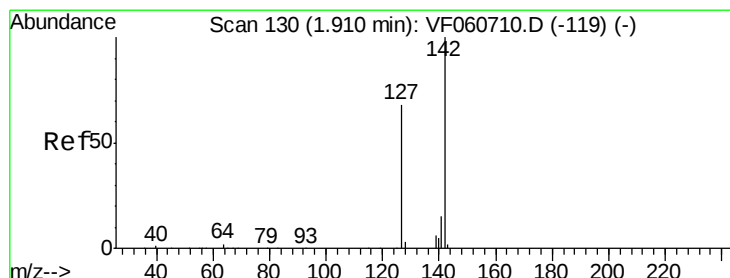
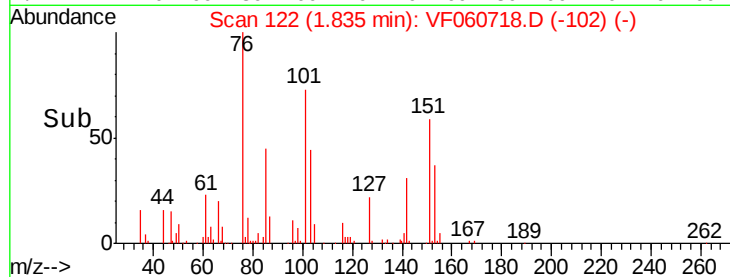
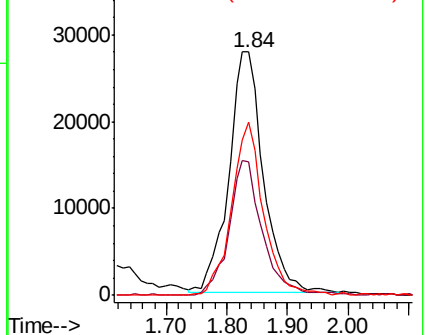
151 71.3 53.1 79.7



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: 35.641 ug/l

RT: 1.90 min Scan# 129

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

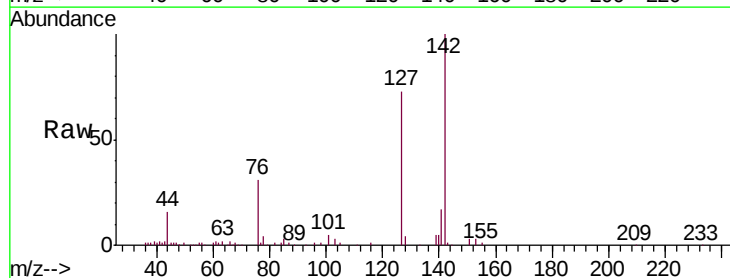
Tgt Ion:142 Resp: 122891

Ion Ratio Lower Upper

142 100

127 73.3 54.0 81.0

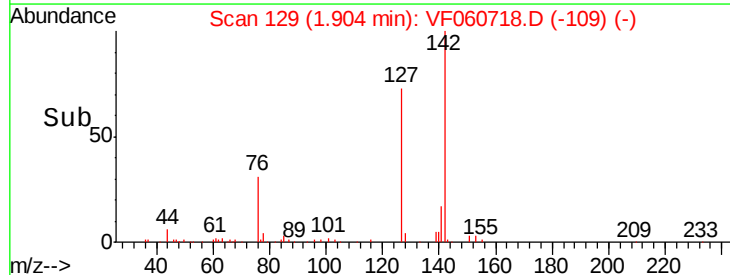
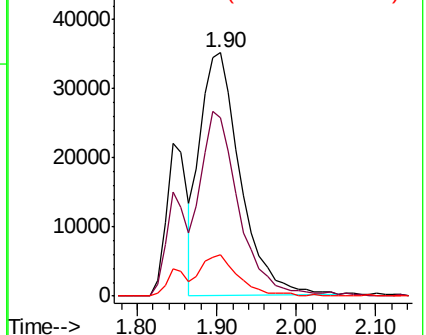
141 16.8 12.3 18.5

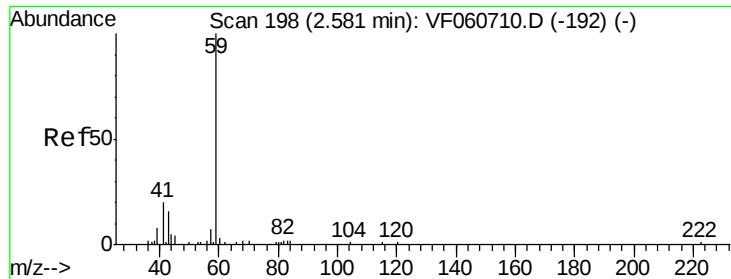


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



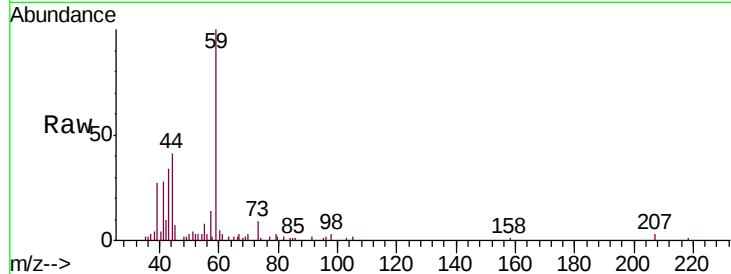


#11

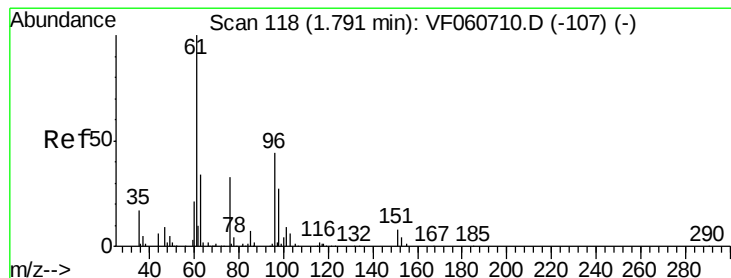
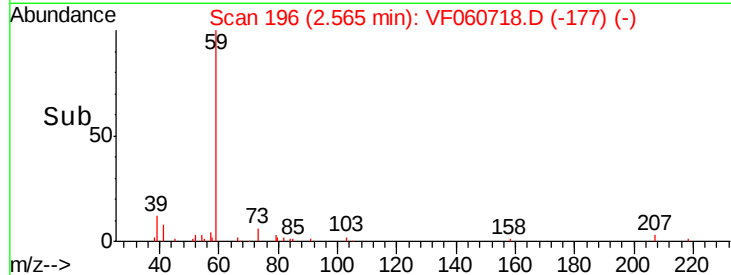
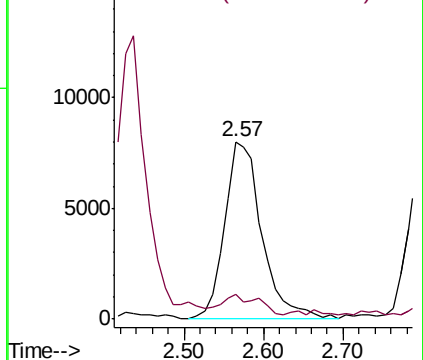
Tert butyl alcohol
 Concen: 243.628 ug/l
 RT: 2.57 min Scan# 196
 Delta R.T. -0.02 min
 Lab File: VF060718.D
 Acq: 13 Nov 2018 20:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 59 Resp: 26268
 Ion Ratio Lower Upper
 59 100
 57 13.8 10.5 15.7



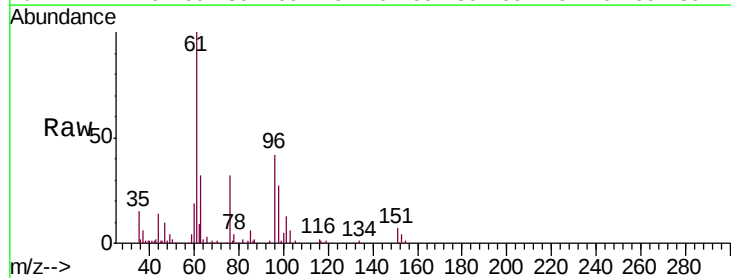
Abundance Ion 59.00 (58.70 to 59.70): VF0
 Ion 57.00 (56.70 to 57.70): VF0



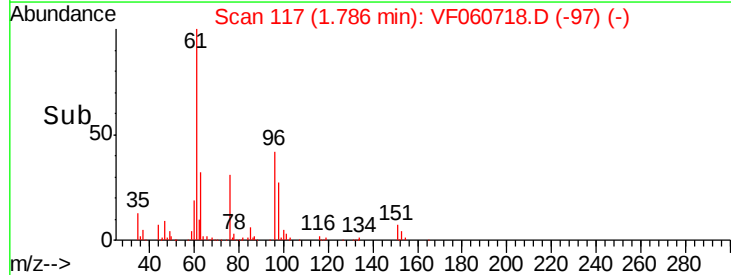
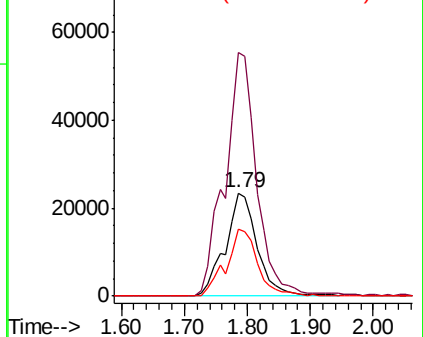
#12

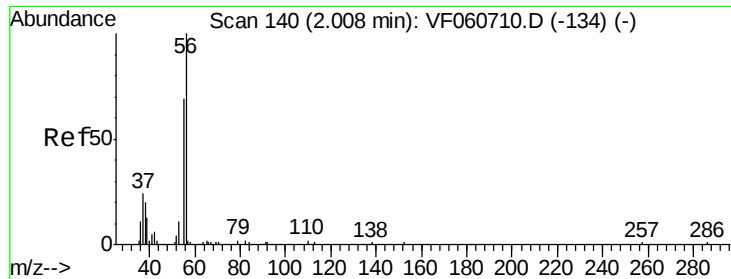
1,1-Dichloroethene
 Concen: 48.438 ug/l
 RT: 1.79 min Scan# 117
 Delta R.T. -0.01 min
 Lab File: VF060718.D
 Acq: 13 Nov 2018 20:05

Tgt Ion: 96 Resp: 82080
 Ion Ratio Lower Upper
 96 100
 61 236.5 182.2 273.2
 98 64.7 49.2 73.8



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





#13

Acrolein

Concen: 189.815 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

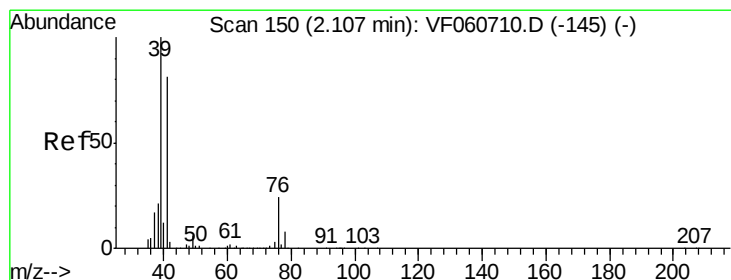
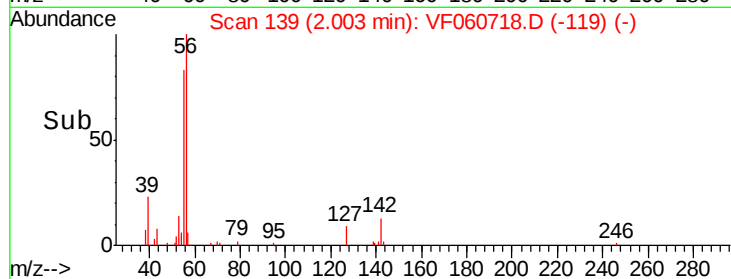
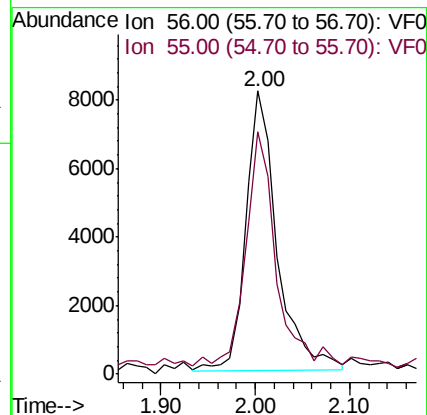
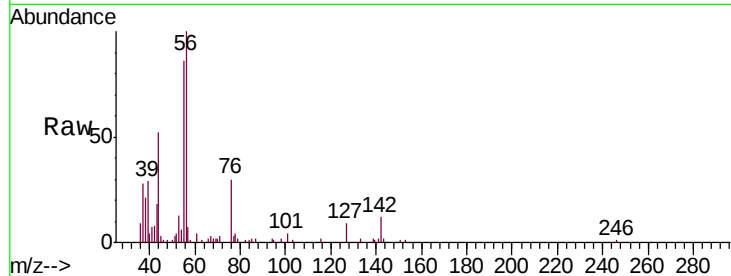
VSTDCCC050EC

Tgt Ion: 56 Resp: 18713

Ion Ratio Lower Upper

56 100

55 85.8 56.6 85.0#



#14

Allyl chloride

Concen: 45.518 ug/l

RT: 2.10 min Scan# 149

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

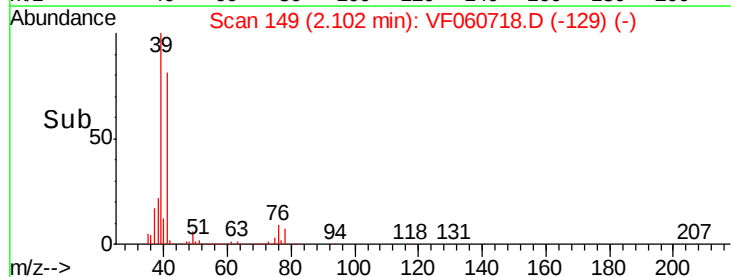
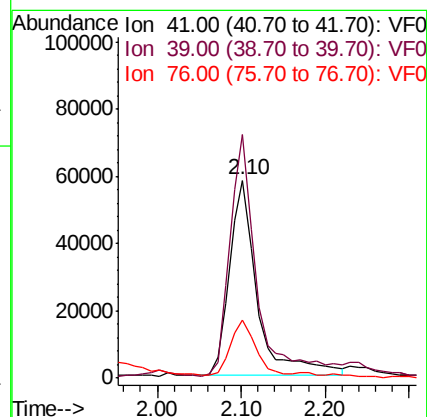
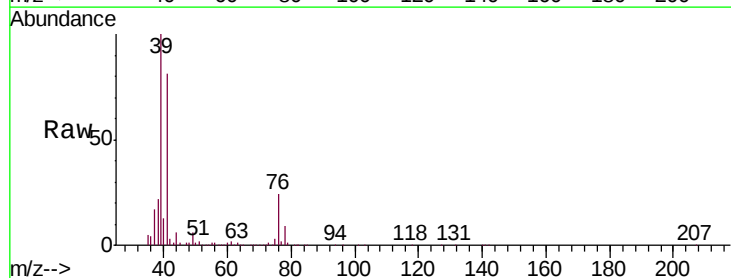
Tgt Ion: 41 Resp: 135124

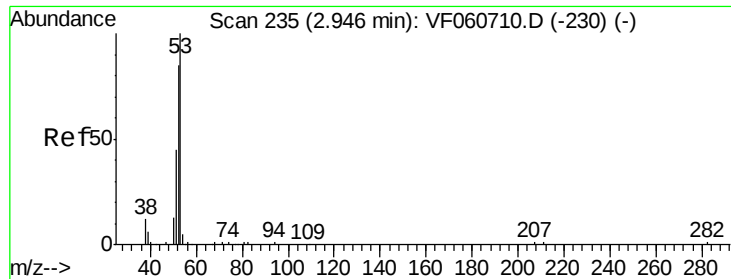
Ion Ratio Lower Upper

41 100

39 122.9 98.5 147.7

76 29.4 24.5 36.7





#15

Acrylonitrile

Concen: 238.329 ug/l

RT: 2.94 min Scan# 234

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

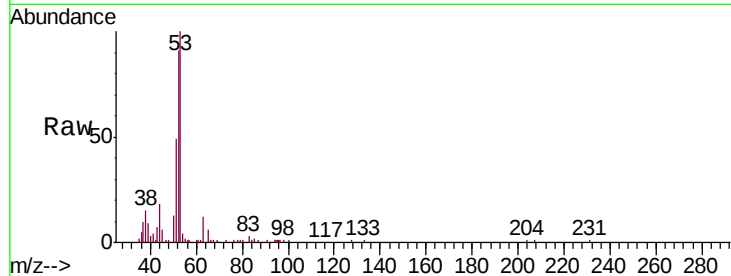
Tgt Ion: 53 Resp: 54756

Ion Ratio Lower Upper

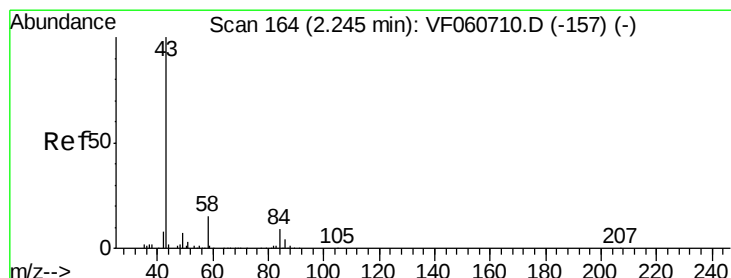
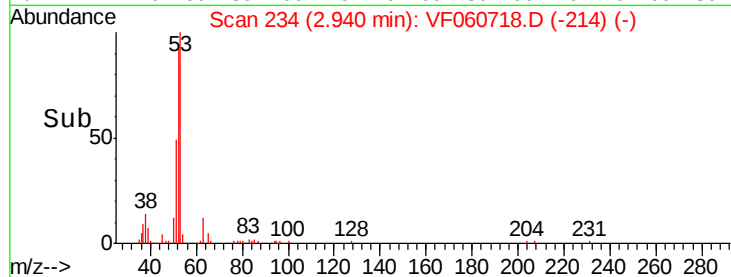
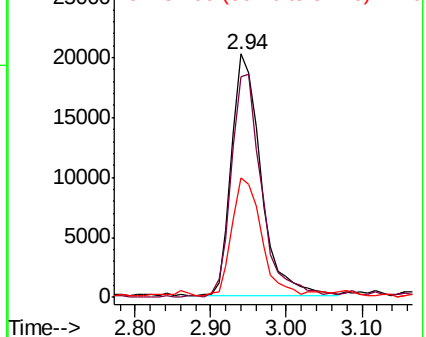
53 100

52 90.7 68.8 103.2

51 49.1 36.7 55.1



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: 232.566 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.01 min

Lab File: VF060718.D

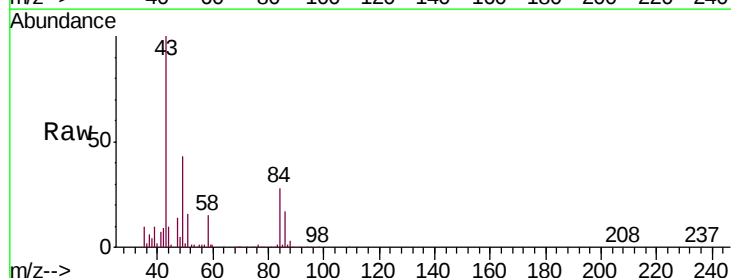
Acq: 13 Nov 2018 20:05

Tgt Ion: 43 Resp: 117767

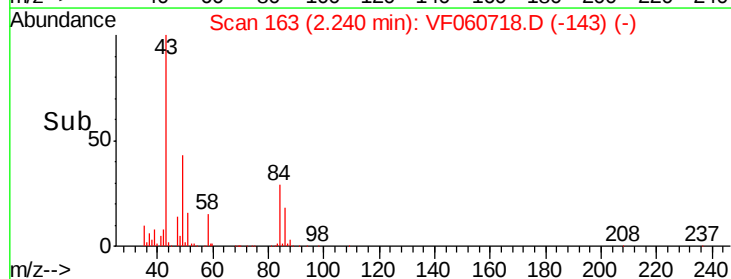
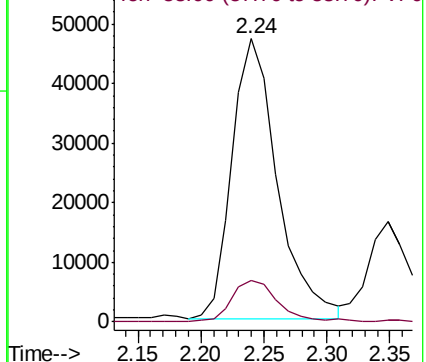
Ion Ratio Lower Upper

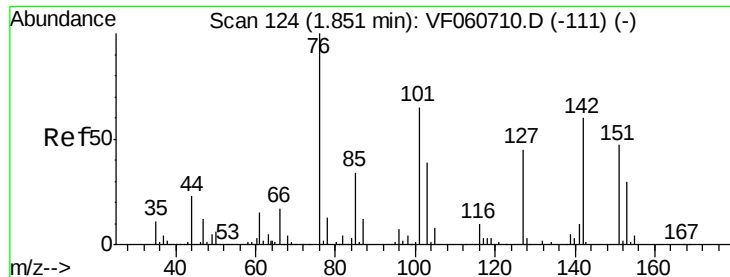
43 100

58 14.8 11.6 17.4



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

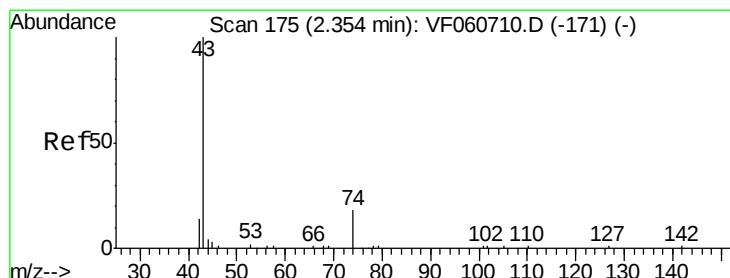
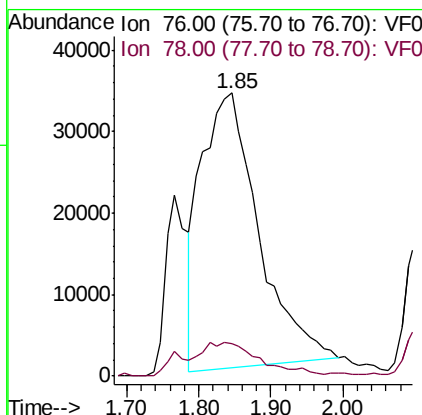
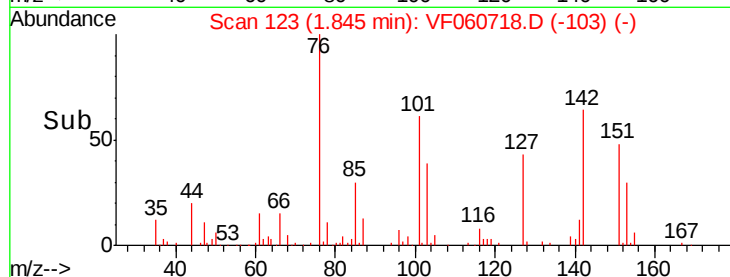
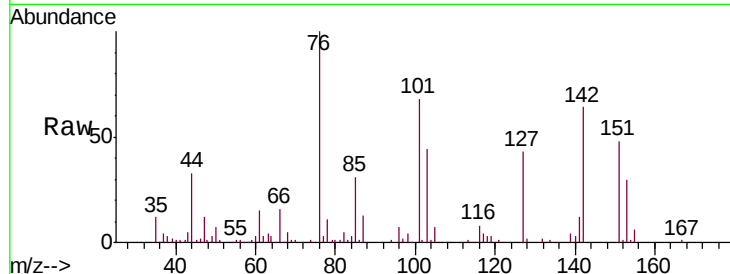




#17
Carbon Disulfide
Concen: 36.575 ug/l
RT: 1.85 min Scan# 123
Delta R.T. -0.01 min
Lab File: VF060718.D
Acq: 13 Nov 2018 20:05

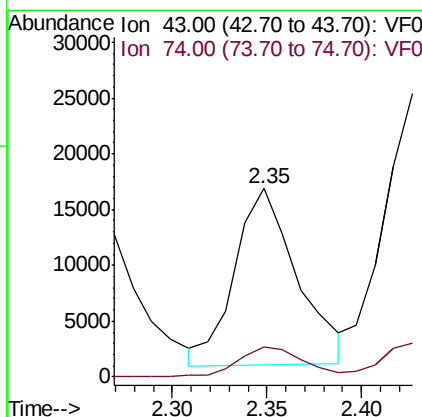
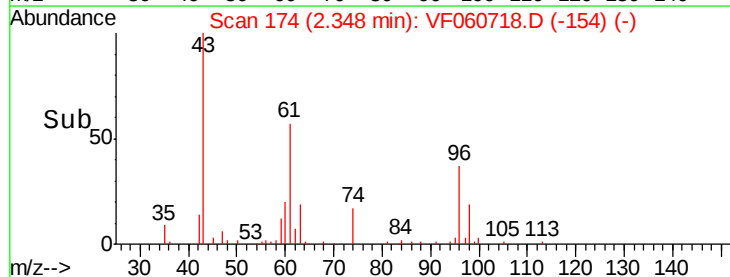
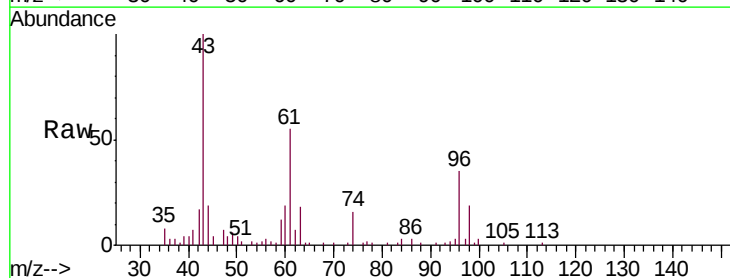
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

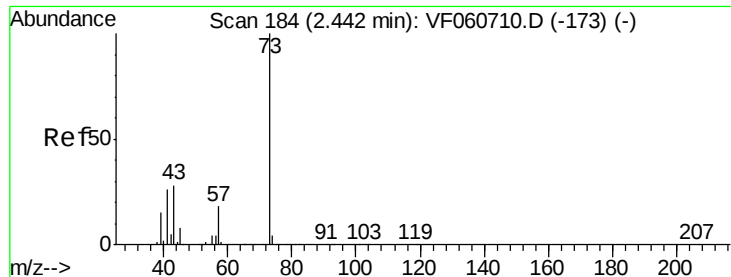
Tgt Ion: 76 Resp: 187320
Ion Ratio Lower Upper
76 100
78 11.4 10.5 15.7



#18
Methyl Acetate
Concen: 43.766 ug/l
RT: 2.35 min Scan# 174
Delta R.T. -0.01 min
Lab File: VF060718.D
Acq: 13 Nov 2018 20:05

Tgt Ion: 43 Resp: 36391
Ion Ratio Lower Upper
43 100
74 16.0 11.8 17.8



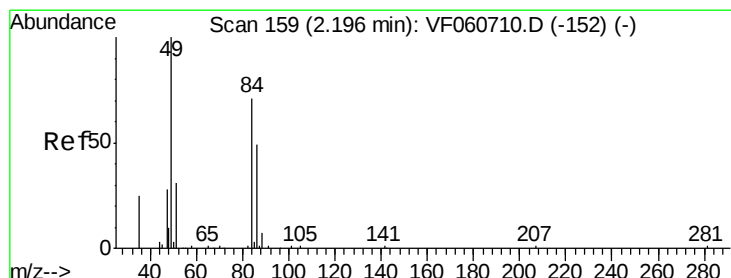
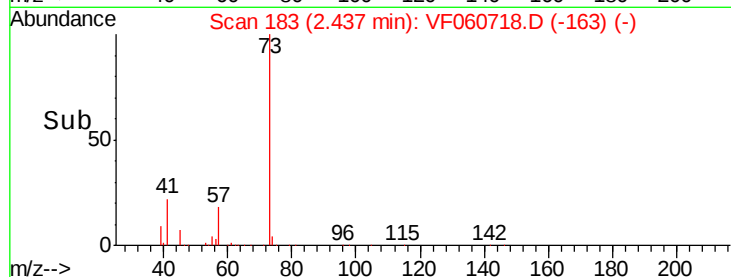
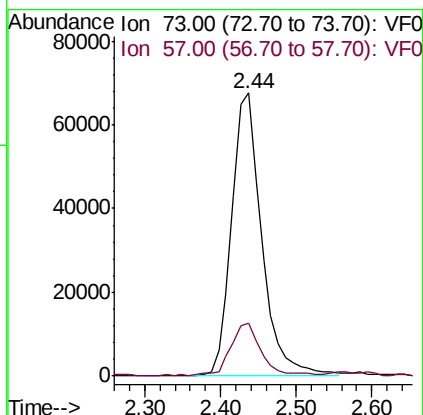
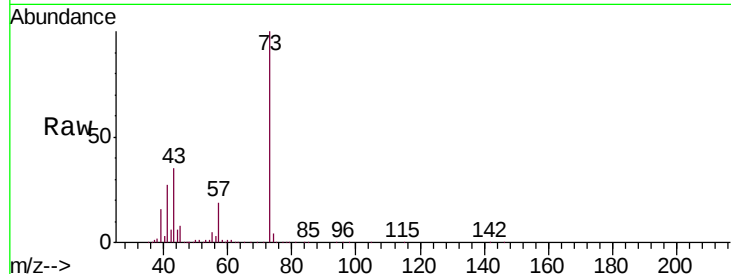


#19

Methyl tert-butyl Ether
 Concen: 45.799 ug/l
 RT: 2.44 min Scan# 183
 Delta R.T. -0.01 min
 Lab File: VF060718.D
 Acq: 13 Nov 2018 20:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

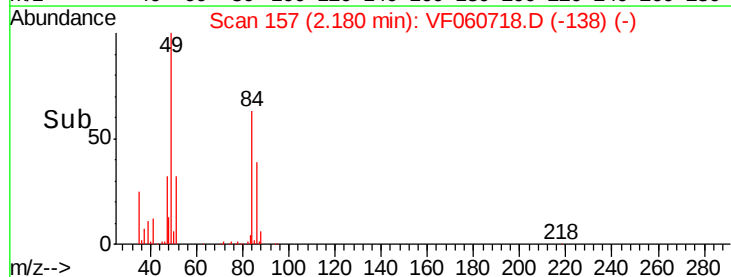
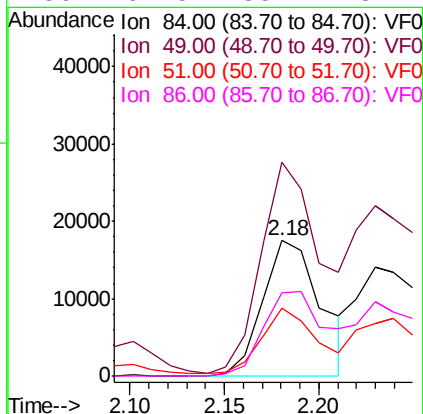
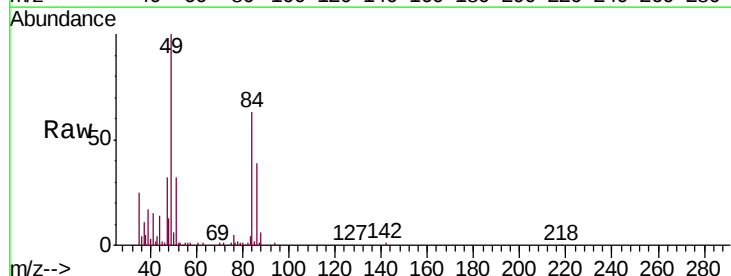
Tgt Ion: 73 Resp: 186182
 Ion Ratio Lower Upper
 73 100
 57 18.9 14.3 21.5

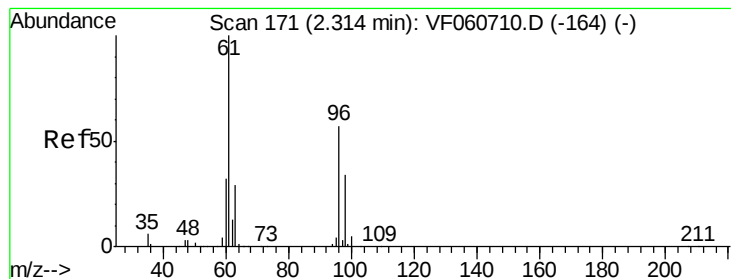


#20

Methylene Chloride
 Concen: 20.686 ug/l
 RT: 2.18 min Scan# 157
 Delta R.T. -0.01 min
 Lab File: VF060718.D
 Acq: 13 Nov 2018 20:05

Tgt Ion: 84 Resp: 37636
 Ion Ratio Lower Upper
 84 100
 49 157.9 120.2 180.4
 51 50.2 37.2 55.8
 86 61.5 55.1 82.7





#21

trans-1,2-Dichloroethene

Concen: 49.182 ug/l

RT: 2.32 min Scan# 171

Delta R.T. 0.00 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

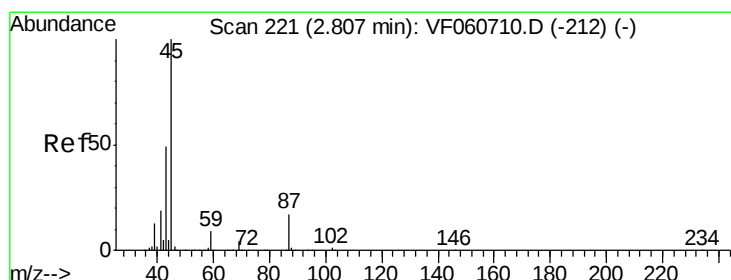
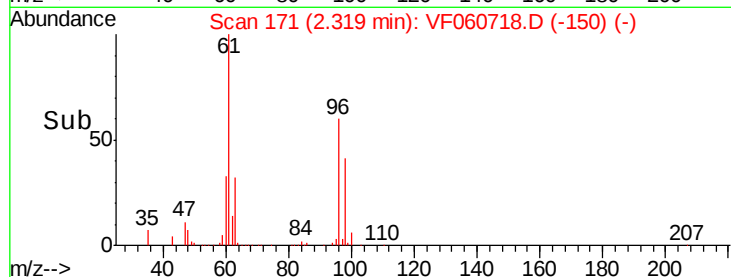
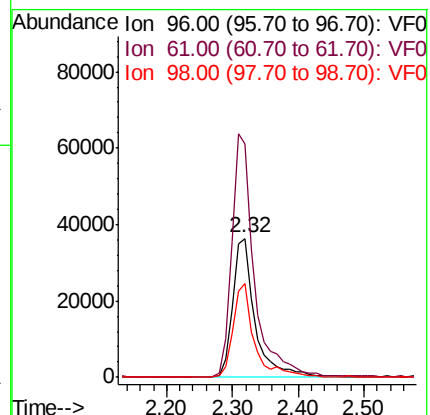
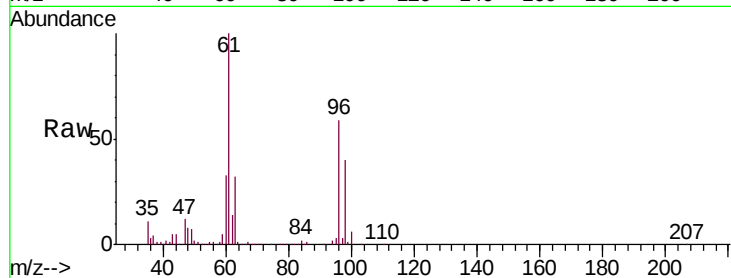
Tgt Ion: 96 Resp: 87072

Ion Ratio Lower Upper

96 100

61 168.2 141.6 212.4

98 67.8 47.4 71.0



#22

Diisopropyl ether

Concen: 48.043 ug/l

RT: 2.80 min Scan# 220

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Tgt Ion: 45 Resp: 275348

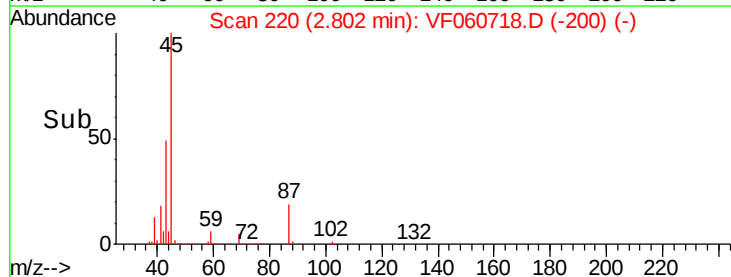
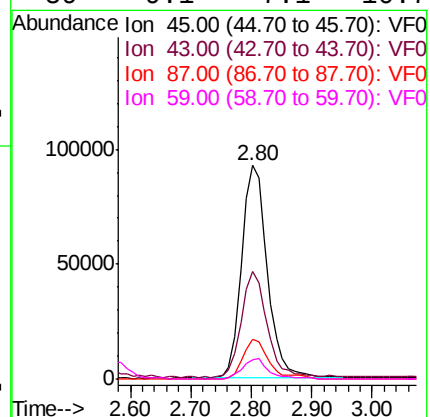
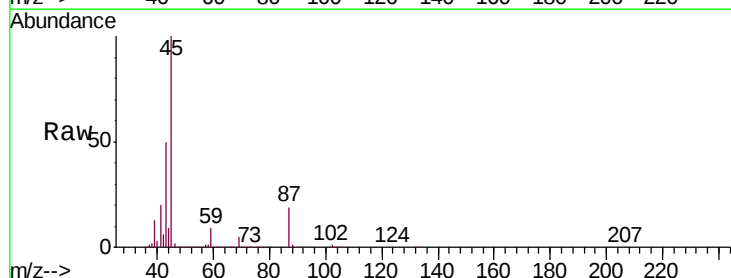
Ion Ratio Lower Upper

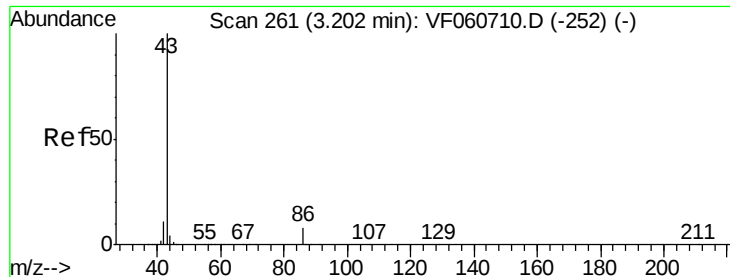
45 100

43 50.2 39.9 59.9

87 18.6 13.9 20.9

59 9.1 7.1 10.7





#23

Vinyl Acetate

Concen: 251.724 ug/l

RT: 3.20 min Scan# 260

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

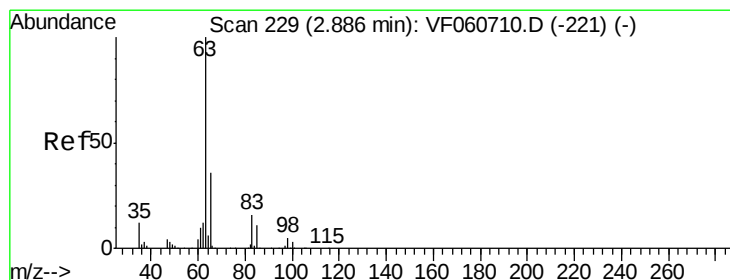
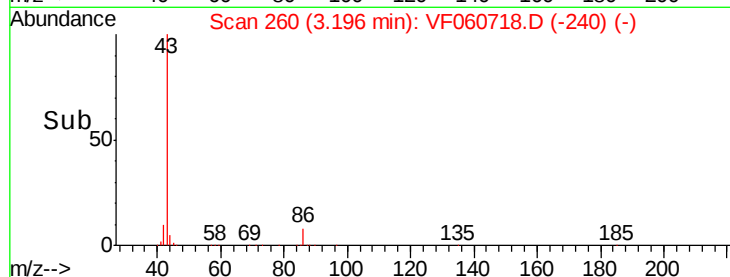
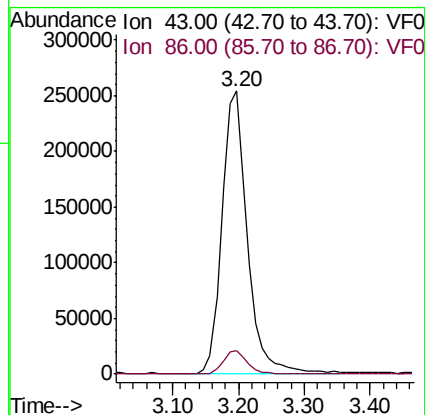
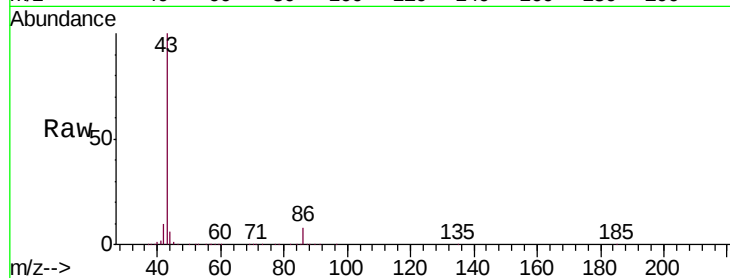
VSTDCCC050EC

Tgt Ion: 43 Resp: 679367

Ion Ratio Lower Upper

43 100

86 8.2 6.4 9.6



#24

1,1-Dichloroethane

Concen: 49.701 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.02 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

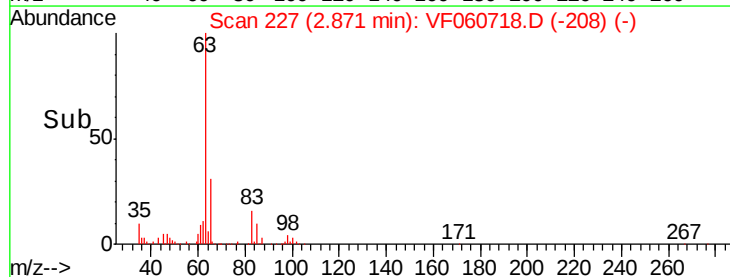
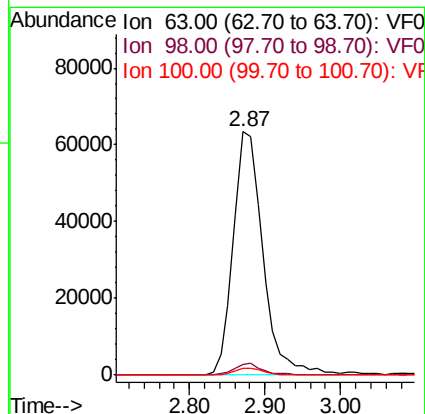
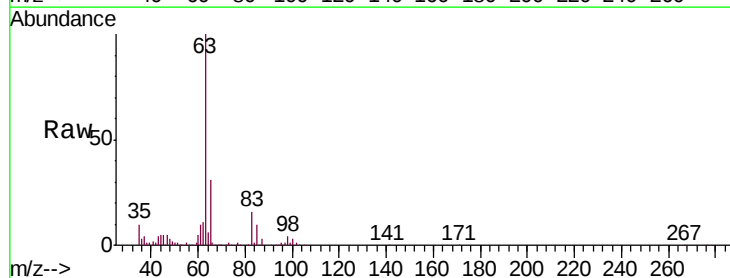
Tgt Ion: 63 Resp: 172454

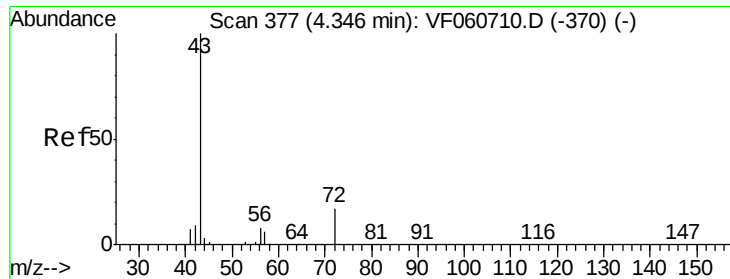
Ion Ratio Lower Upper

63 100

98 4.2 2.4 7.1

100 2.8 1.4 4.2





#25

2-Butanone

Concen: 235.246 ug/l

RT: 4.34 min Scan# 376

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

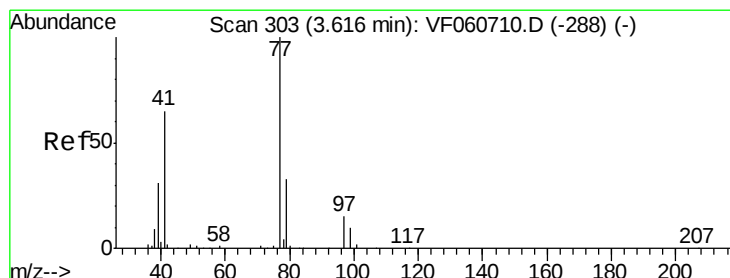
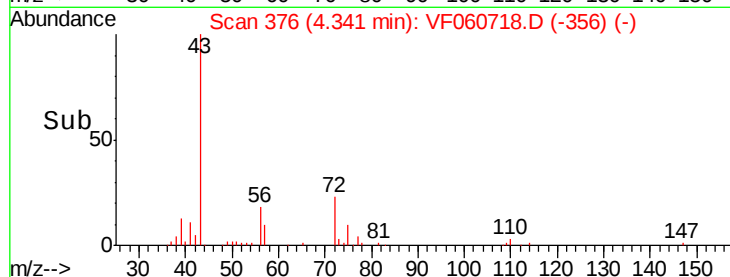
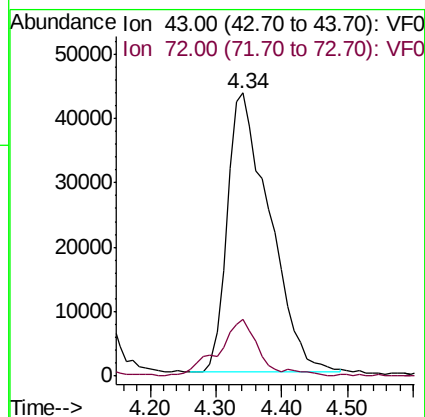
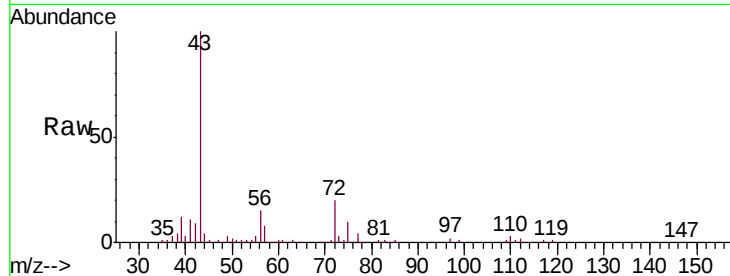
VSTDCCC050EC

Tgt Ion: 43 Resp: 195939

Ion Ratio Lower Upper

43 100

72 19.9 16.1 24.1



#26

2,2-Dichloropropane

Concen: 46.840 ug/l

RT: 3.60 min Scan# 301

Delta R.T. -0.02 min

Lab File: VF060718.D

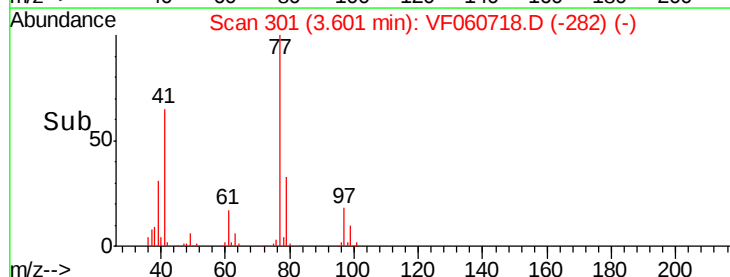
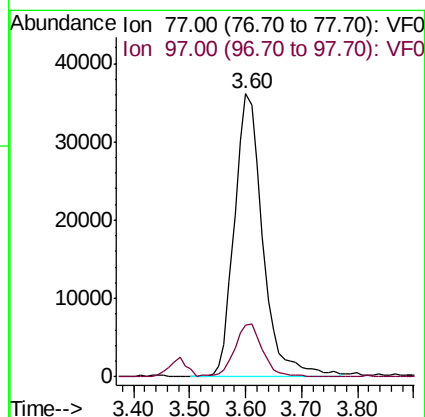
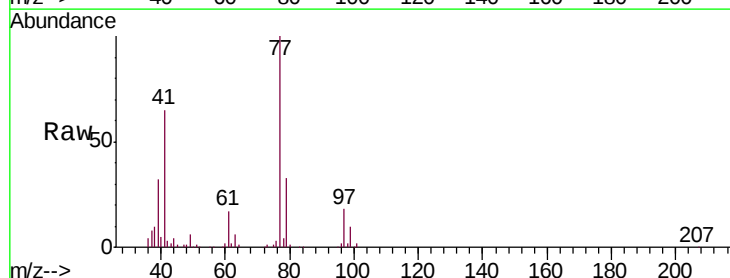
Acq: 13 Nov 2018 20:05

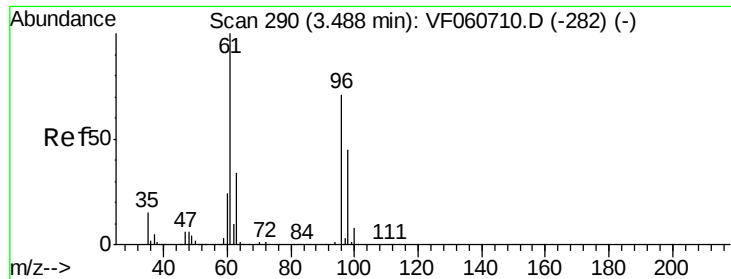
Tgt Ion: 77 Resp: 127896

Ion Ratio Lower Upper

77 100

97 18.4 8.8 26.5



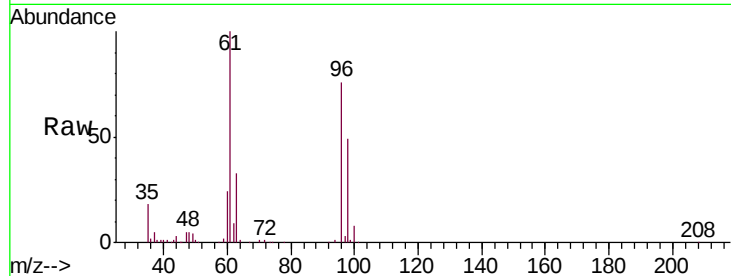


#27

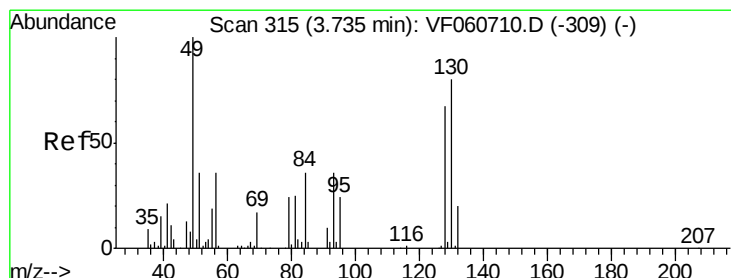
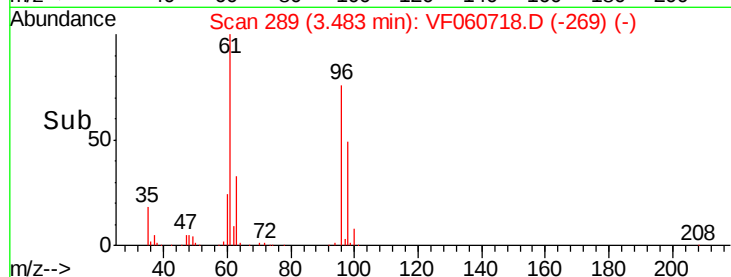
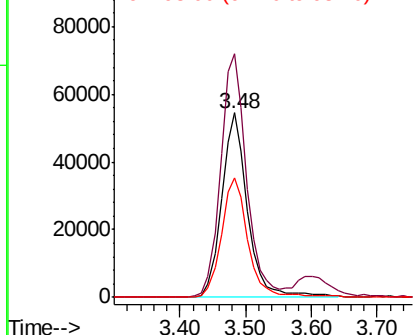
cis-1,2-Dichloroethene
 Concen: 49.651 ug/l
 RT: 3.48 min Scan# 289
 Delta R.T. -0.01 min
 Lab File: VF060718.D
 Acq: 13 Nov 2018 20:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
96	100		
61	132.2	0.0	280.6
98	64.8	0.0	127.6



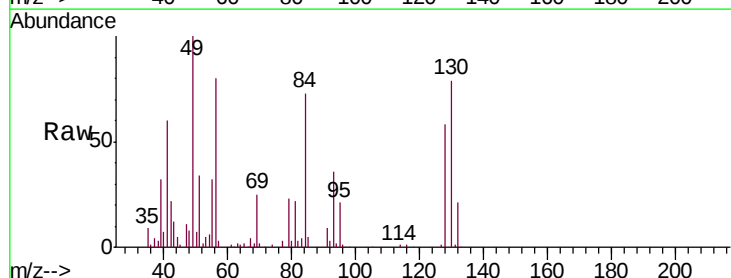
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



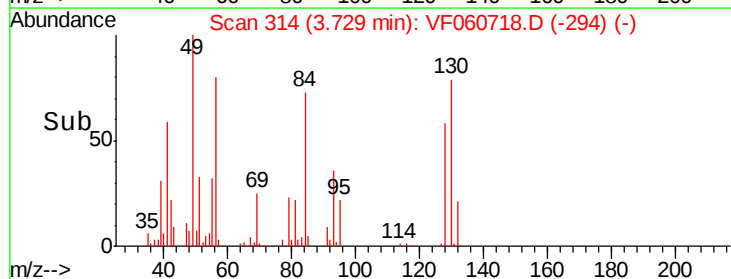
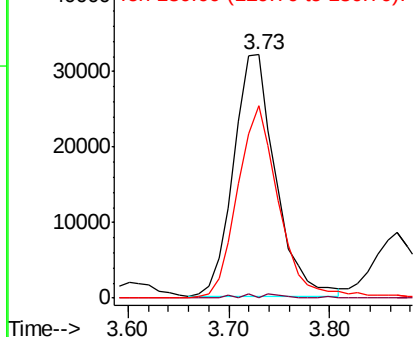
#28

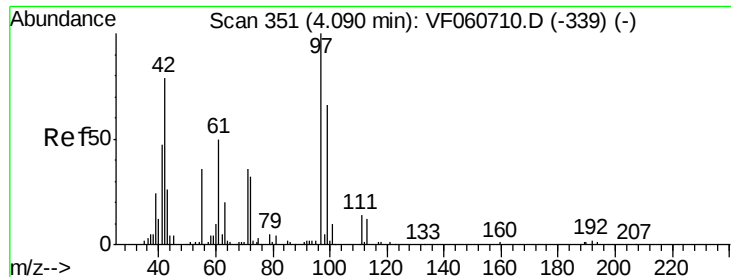
Bromochloromethane
 Concen: 51.519 ug/l
 RT: 3.73 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VF060718.D
 Acq: 13 Nov 2018 20:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.2
130	78.8	63.9	95.9



Abundance Ion 49.00 (48.70 to 49.70): VF0
 Ion 129.00 (128.70 to 129.70): V
 Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 228.407 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.02 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

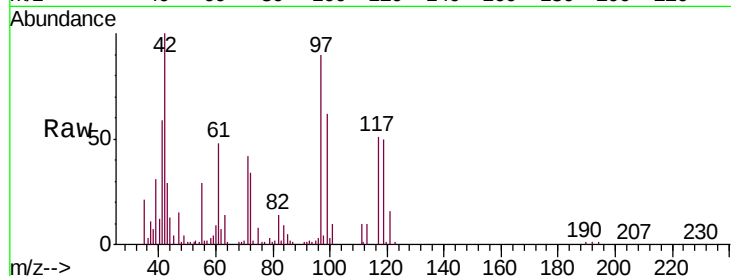
Tgt Ion: 42 Resp: 78472

Ion Ratio Lower Upper

42 100

72 37.6 30.3 45.5

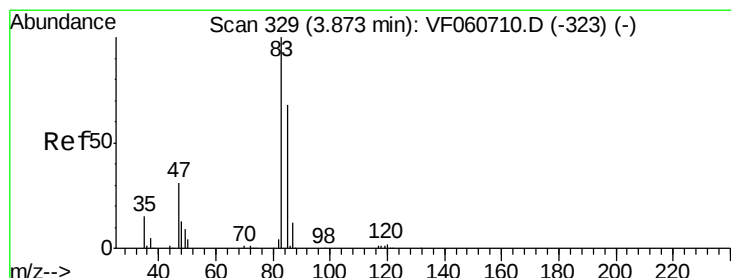
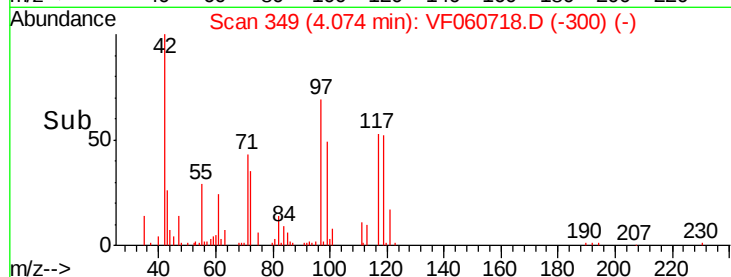
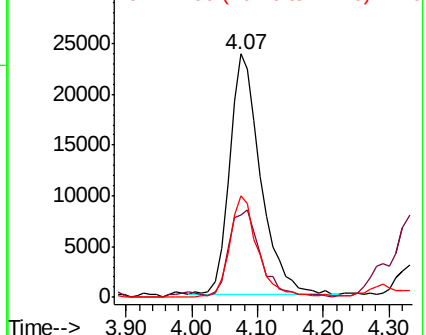
71 38.2 32.2 48.2



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 48.915 ug/l

RT: 3.87 min Scan# 328

Delta R.T. -0.01 min

Lab File: VF060718.D

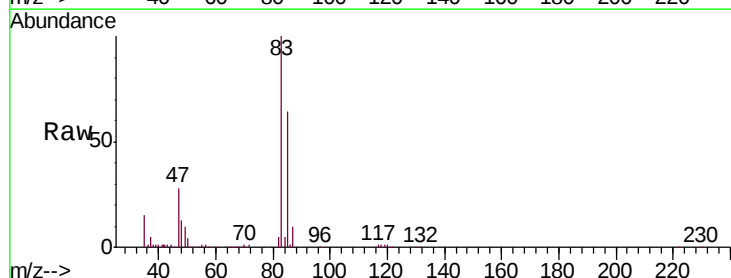
Acq: 13 Nov 2018 20:05

Tgt Ion: 83 Resp: 272321

Ion Ratio Lower Upper

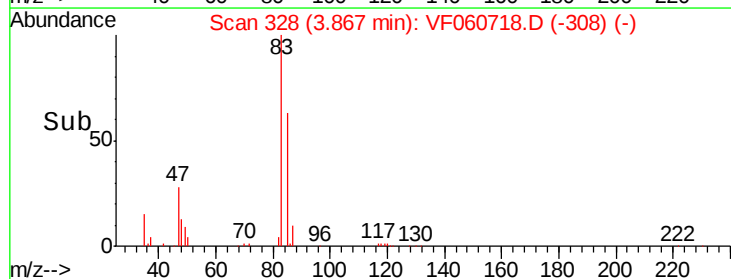
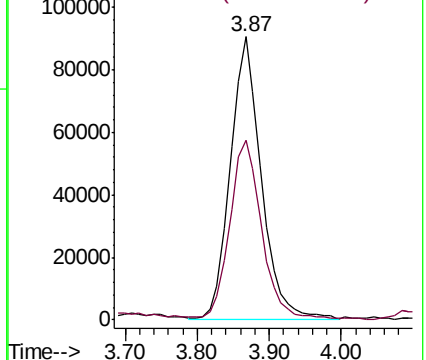
83 100

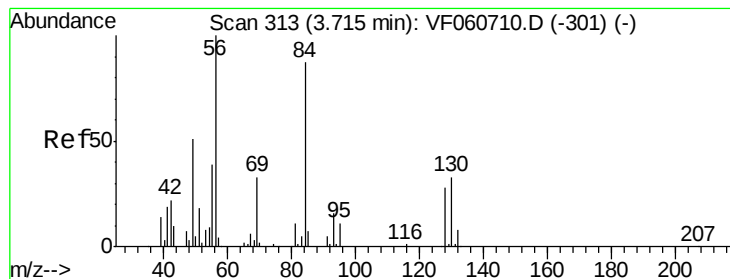
85 63.6 54.6 82.0



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 49.486 ug/l

RT: 3.70 min Scan# 311

Delta R.T. -0.02 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

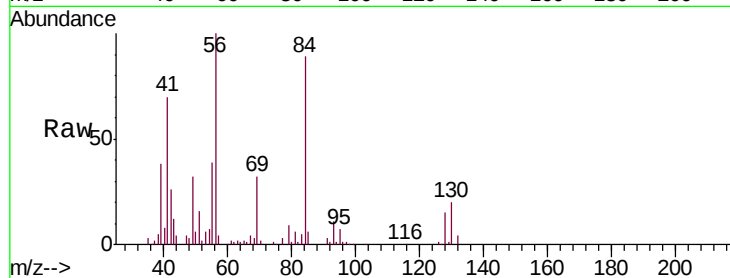
Tgt Ion: 56 Resp: 208399

Ion Ratio Lower Upper

56 100

69 31.6 26.0 39.0

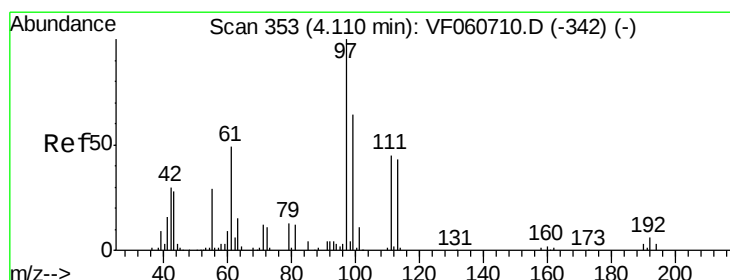
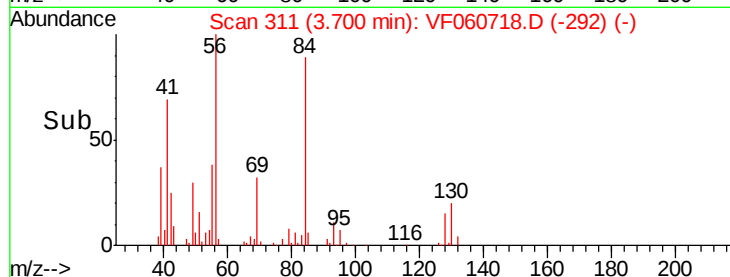
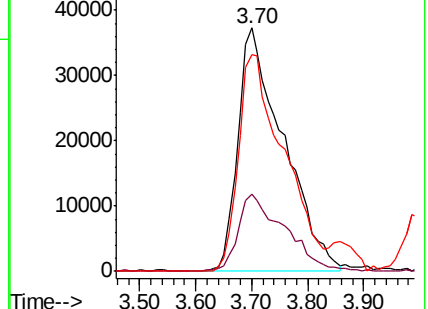
84 89.0 69.4 104.2



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 47.845 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

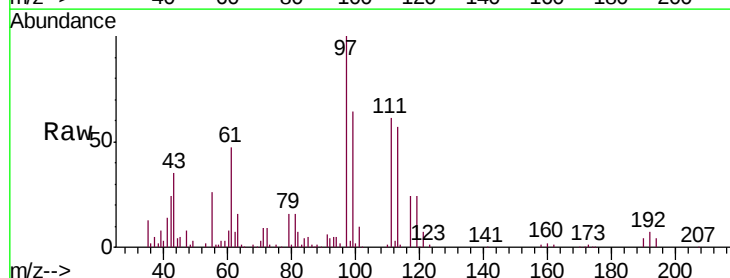
Tgt Ion: 97 Resp: 209755

Ion Ratio Lower Upper

97 100

99 63.5 51.1 76.7

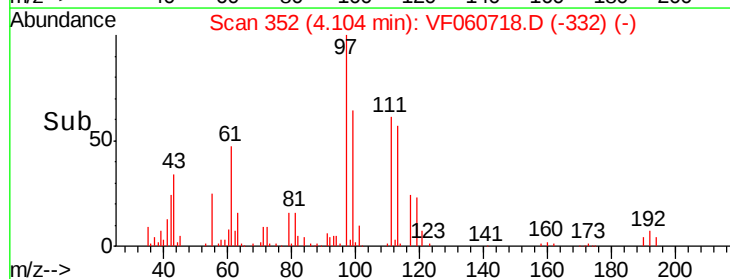
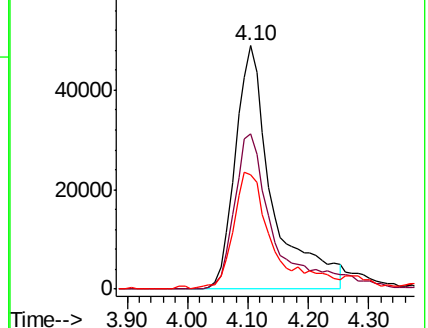
61 47.1 40.1 60.1

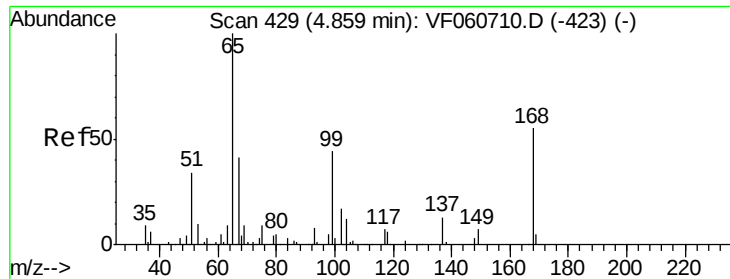


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 48.073 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

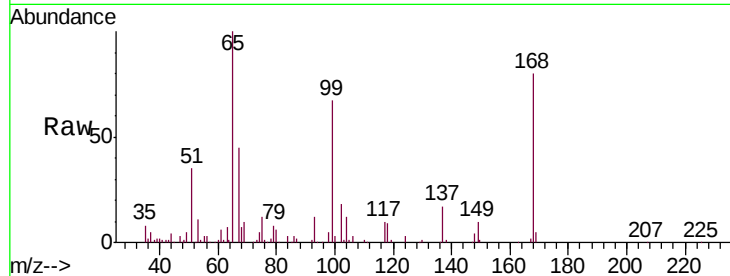
VSTDCCC050EC

Tgt Ion: 65 Resp: 113890

Ion Ratio Lower Upper

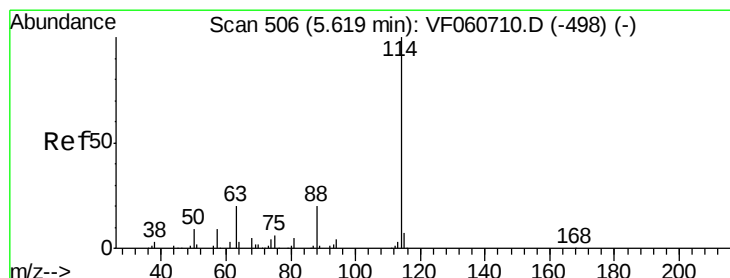
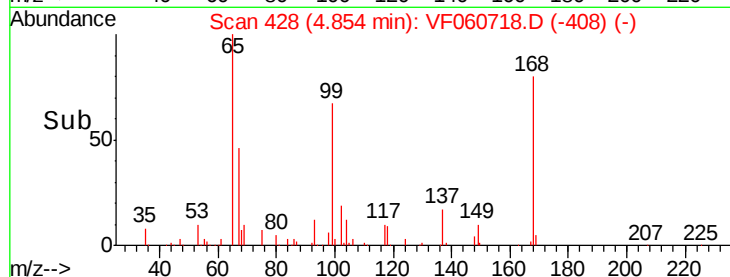
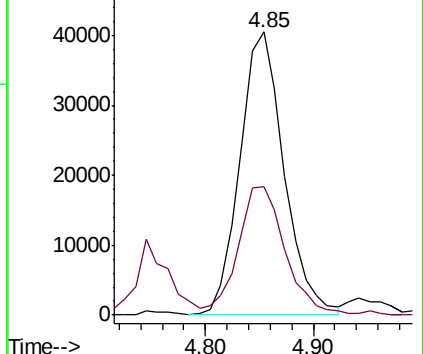
65 100

67 45.5 0.0 90.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 504

Delta R.T. -0.02 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

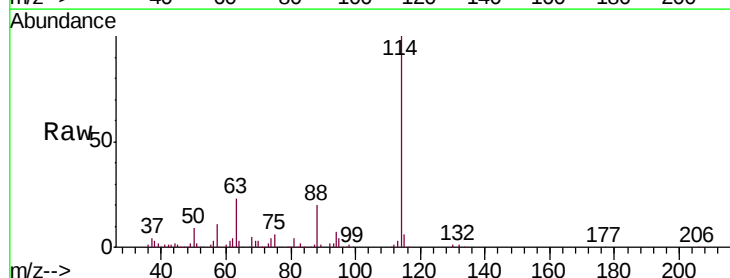
Tgt Ion: 114 Resp: 345778

Ion Ratio Lower Upper

114 100

63 22.5 0.0 40.8

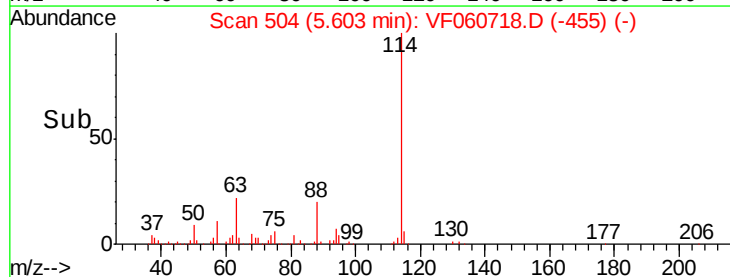
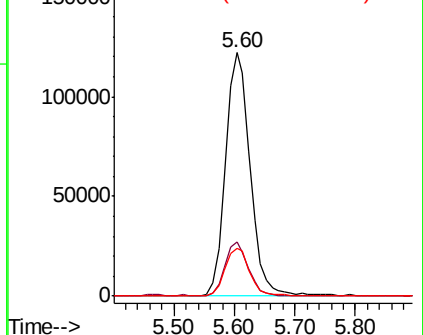
88 19.5 0.0 39.6

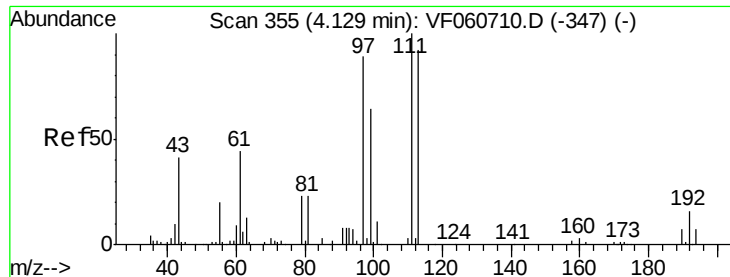


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

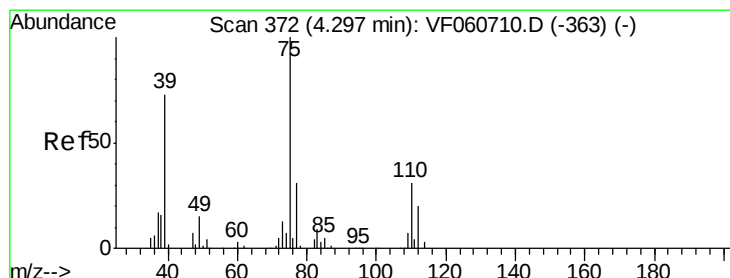
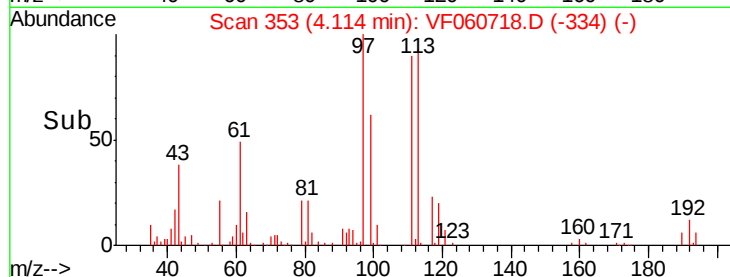
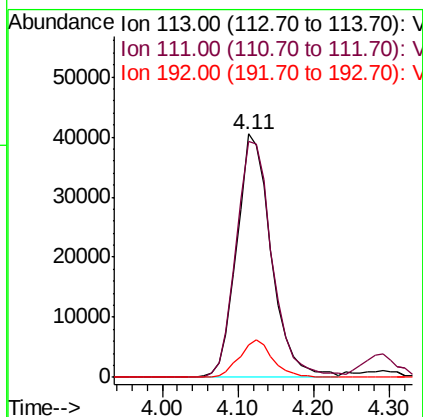
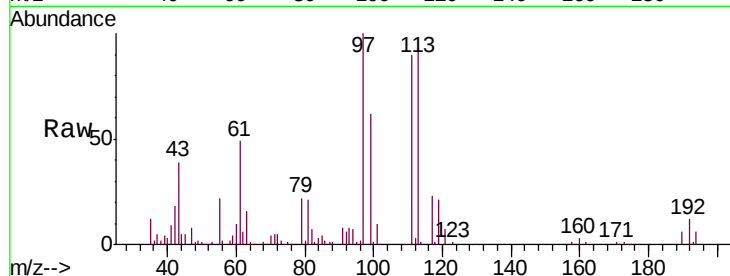




#35
 Dibromofluoromethane
 Concen: 49.299 ug/l
 RT: 4.11 min Scan# 353
 Delta R.T. -0.02 min
 Lab File: VF060718.D
 Acq: 13 Nov 2018 20:05

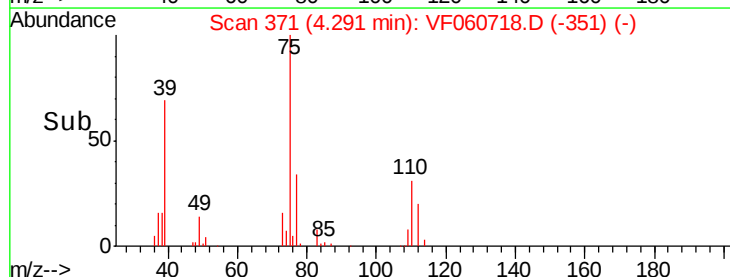
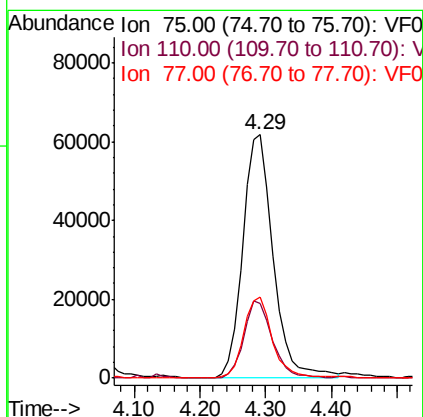
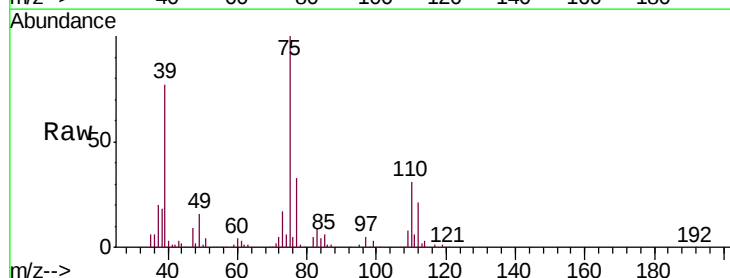
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

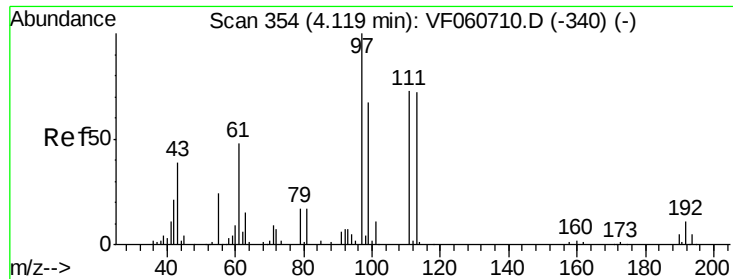
Tgt Ion:113 Resp: 128137
 Ion Ratio Lower Upper
 113 100
 111 96.7 87.1 130.7
 192 13.1 13.8 20.6#



#36
 1,1-Dichloropropene
 Concen: 49.568 ug/l
 RT: 4.29 min Scan# 371
 Delta R.T. -0.01 min
 Lab File: VF060718.D
 Acq: 13 Nov 2018 20:05

Tgt Ion: 75 Resp: 198777
 Ion Ratio Lower Upper
 75 100
 110 30.7 15.6 46.8
 77 33.5 25.0 37.6

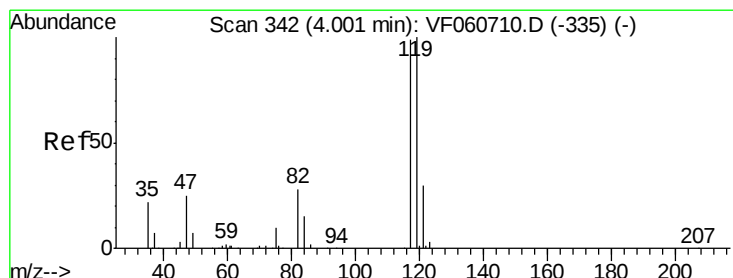
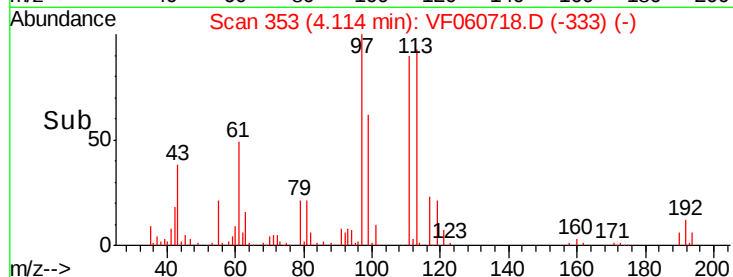
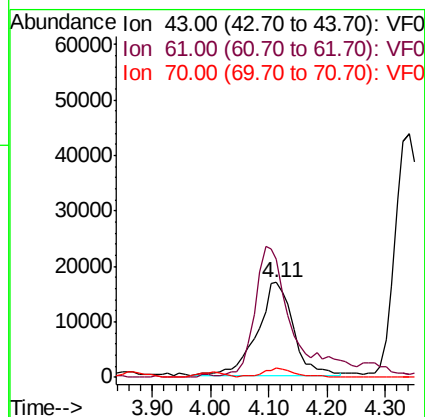
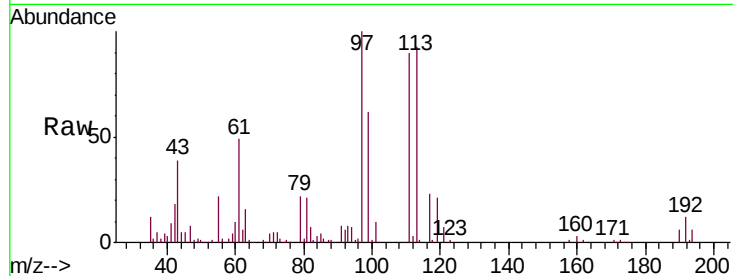




#37
Ethyl Acetate
Concen: 48.628 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.01 min
Lab File: VF060718.D
Acq: 13 Nov 2018 20:05

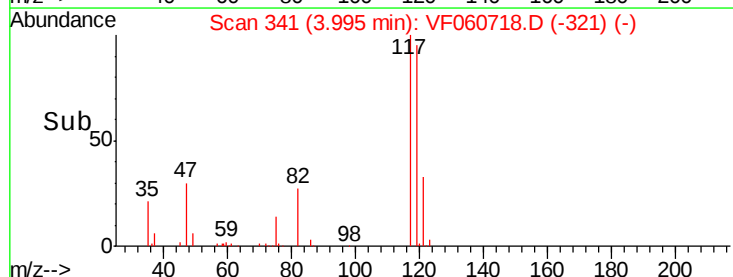
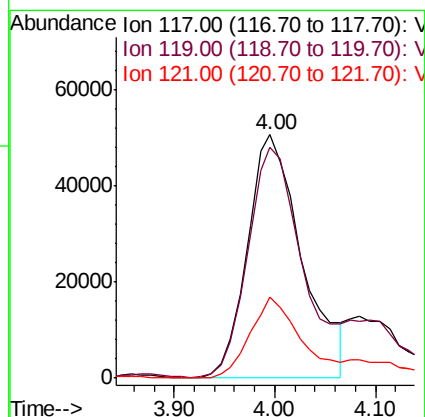
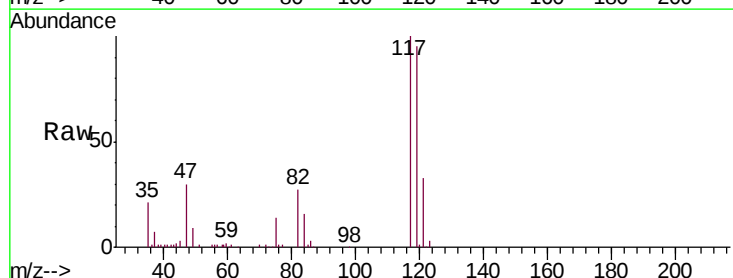
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

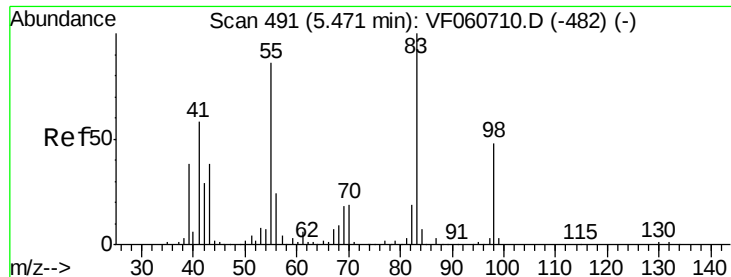
Tgt Ion: 43 Resp: 72499
Ion Ratio Lower Upper
43 100
61 124.5 98.5 147.7
70 10.0 7.4 11.0



#38
Carbon Tetrachloride
Concen: 48.831 ug/l
RT: 4.00 min Scan# 341
Delta R.T. -0.01 min
Lab File: VF060718.D
Acq: 13 Nov 2018 20:05

Tgt Ion: 117 Resp: 190008
Ion Ratio Lower Upper
117 100
119 94.6 80.7 121.1
121 33.2 24.3 36.5

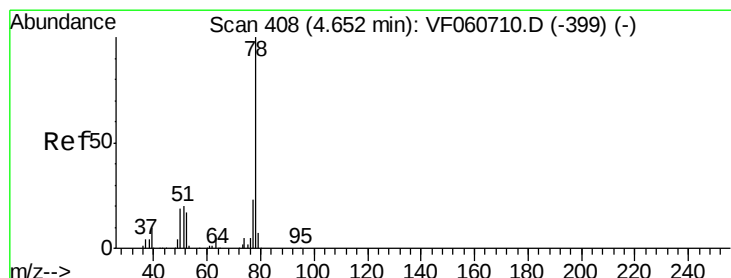
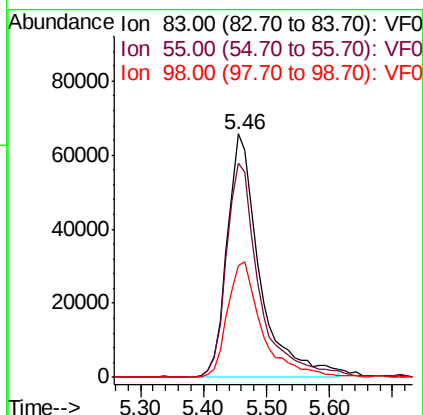
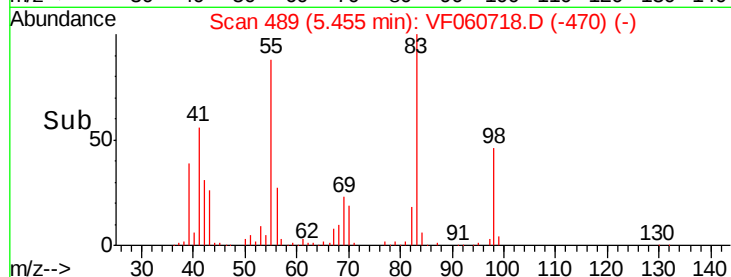
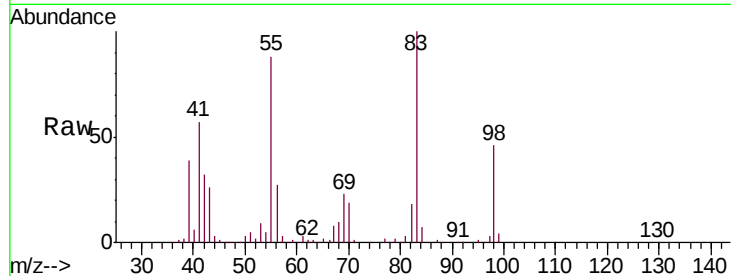




#39
Methylcyclohexane
Concen: 50.696 ug/l
RT: 5.46 min Scan# 489
Delta R.T. -0.02 min
Lab File: VF060718.D
Acq: 13 Nov 2018 20:05

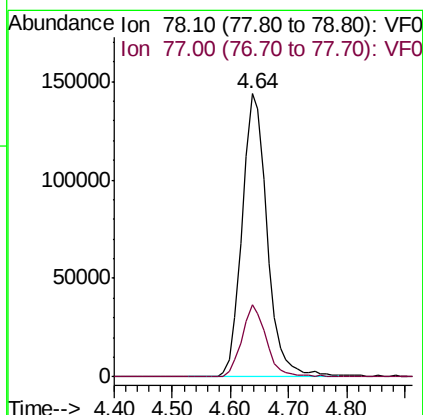
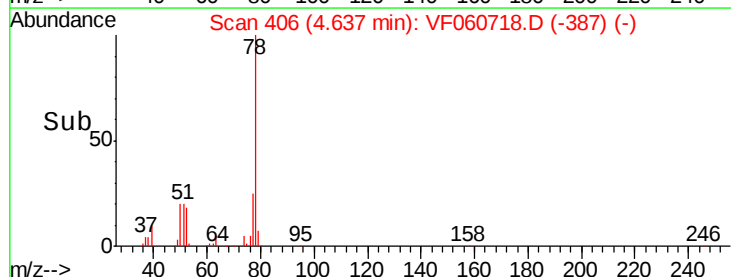
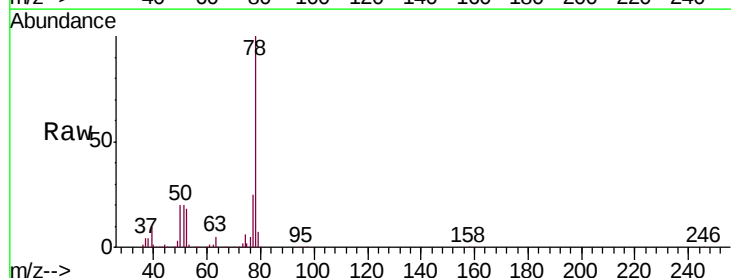
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

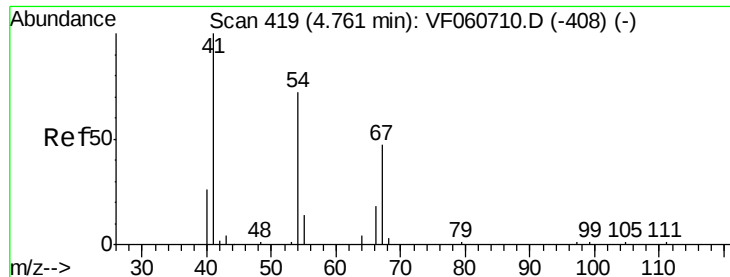
Tgt Ion: 83 Resp: 235859
Ion Ratio Lower Upper
83 100
55 88.2 69.0 103.4
98 45.7 38.5 57.7



#40
Benzene
Concen: 48.621 ug/l
RT: 4.64 min Scan# 406
Delta R.T. -0.02 min
Lab File: VF060718.D
Acq: 13 Nov 2018 20:05

Tgt Ion: 78 Resp: 434633
Ion Ratio Lower Upper
78 100
77 25.3 18.6 28.0





#41

Methacrylonitrile

Concen: 63.676 ug/l

RT: 4.75 min Scan# 417

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 49674

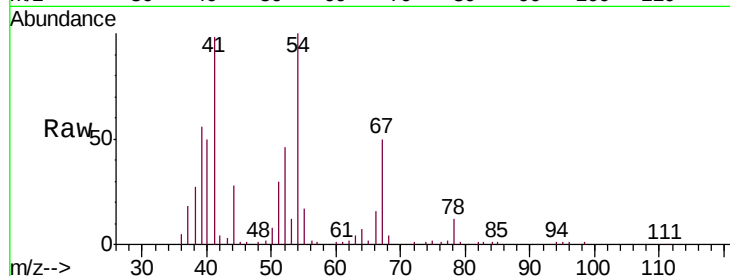
Ion Ratio Lower Upper

41 100

39 57.0 47.1 70.7

67 51.6 37.1 55.7

52 47.3 39.3 58.9



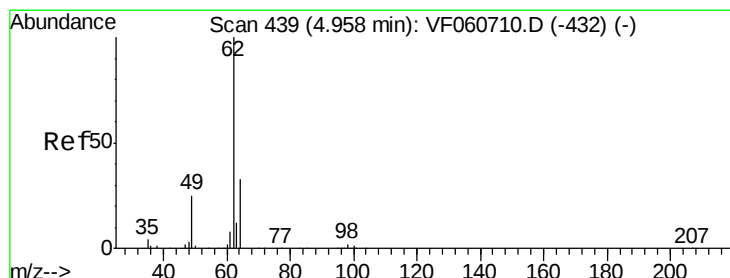
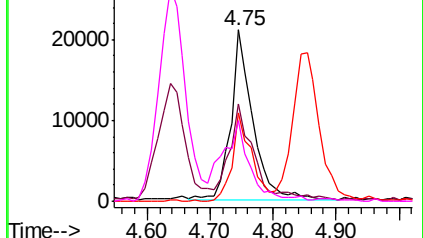
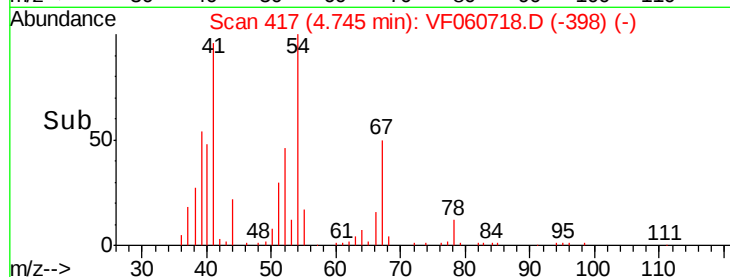
Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Time-->



#42

1,2-Dichloroethane

Concen: 48.851 ug/l

RT: 4.95 min Scan# 438

Delta R.T. -0.01 min

Lab File: VF060718.D

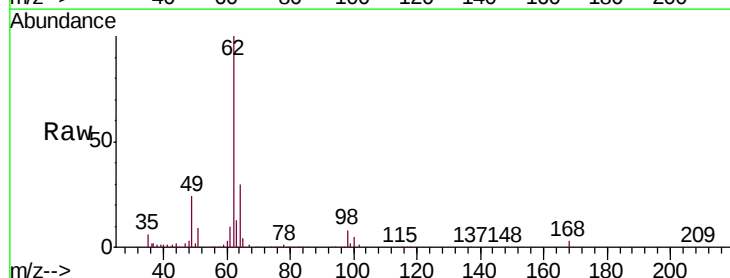
Acq: 13 Nov 2018 20:05

Tgt Ion: 62 Resp: 150907

Ion Ratio Lower Upper

62 100

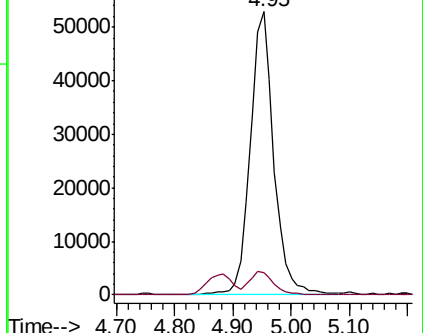
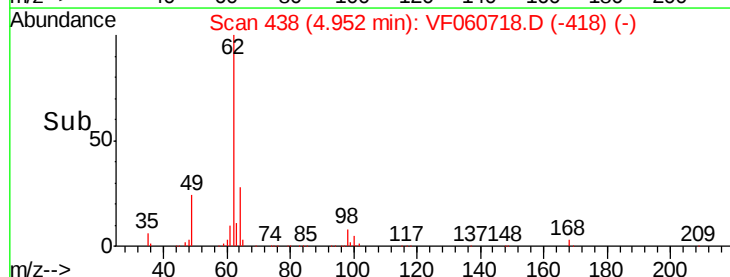
98 8.1 0.0 16.6

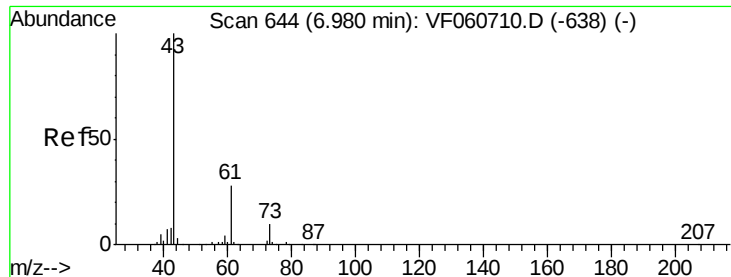


Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Time-->

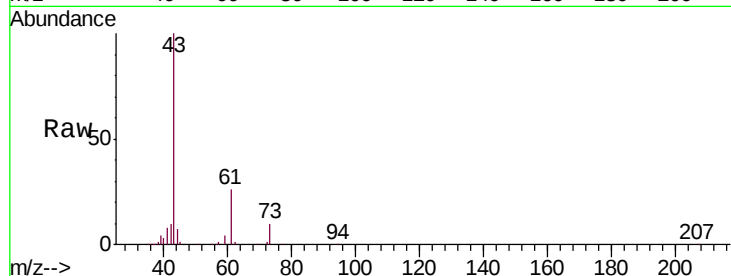




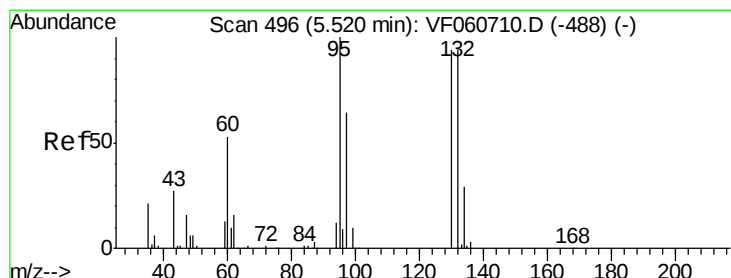
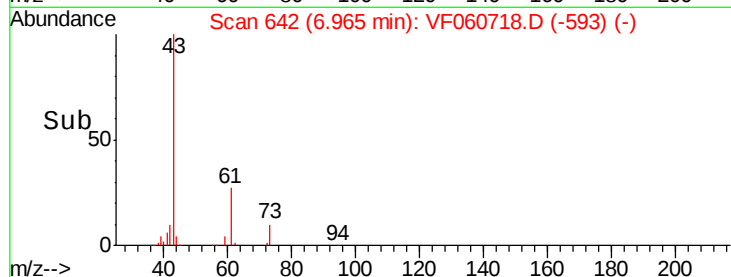
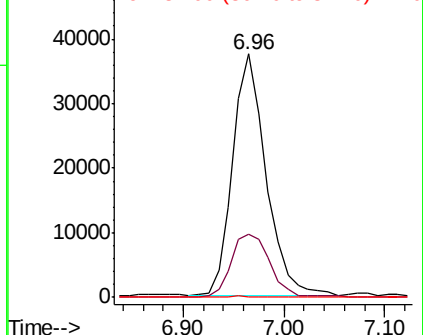
#43
Isopropyl Acetate
Concen: 43.577 ug/l
RT: 6.96 min Scan# 642
Delta R.T. -0.02 min
Lab File: VF060718.D
Acq: 13 Nov 2018 20:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 86141
Ion Ratio Lower Upper
43 100
61 26.0 22.2 33.4
87 0.0 0.4 0.6#

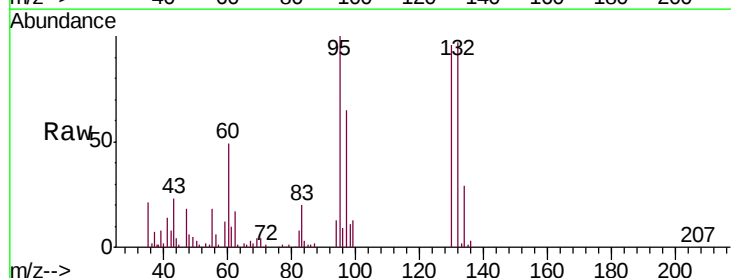


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 87.00 (86.70 to 87.70): VF0

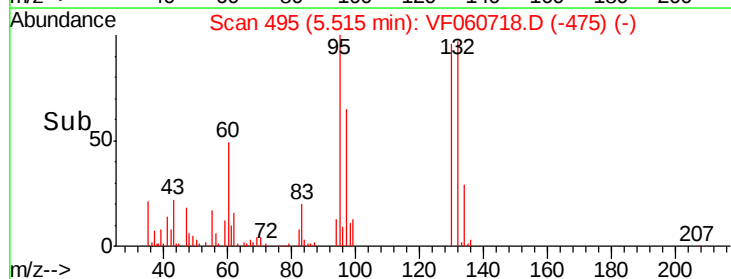
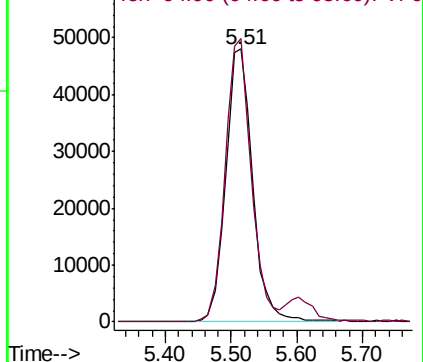


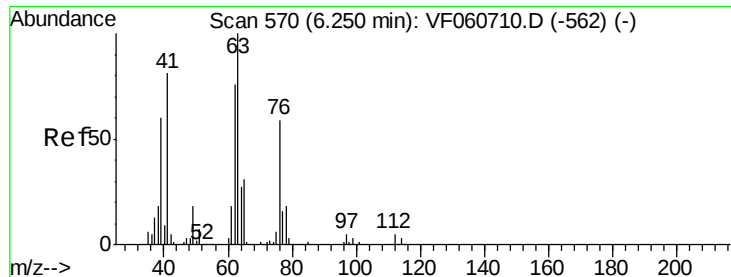
#44
Trichloroethene
Concen: 48.771 ug/l
RT: 5.51 min Scan# 495
Delta R.T. -0.01 min
Lab File: VF060718.D
Acq: 13 Nov 2018 20:05

Tgt Ion:130 Resp: 137552
Ion Ratio Lower Upper
130 100
95 103.7 0.0 212.6



Abundance Ion 129.90 (129.60 to 130.60): V
Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 48.727 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

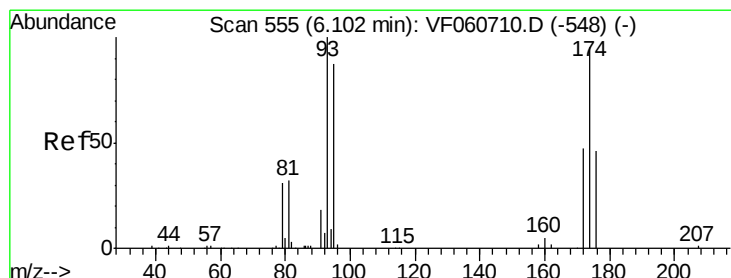
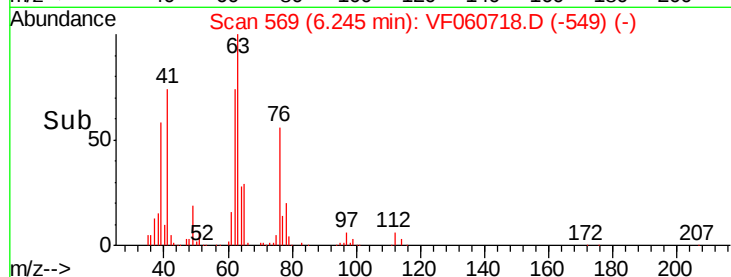
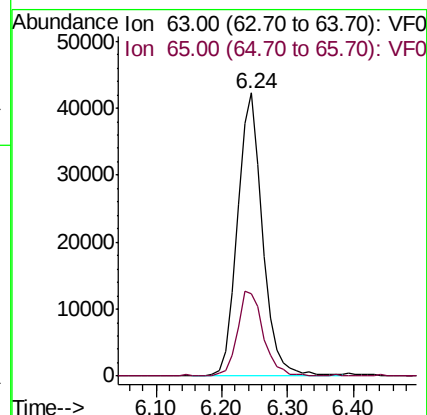
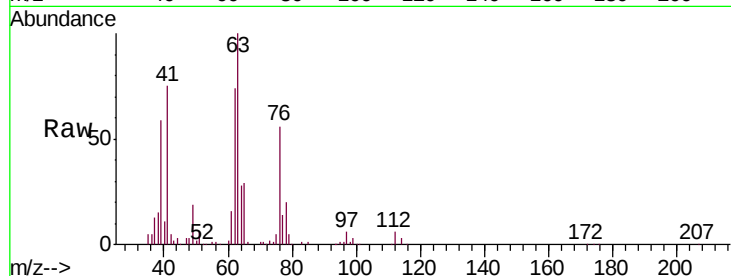
VSTDCCC050EC

Tgt Ion: 63 Resp: 113346

Ion Ratio Lower Upper

63 100

65 29.0 24.6 36.8



#46

Dibromomethane

Concen: 48.656 ug/l

RT: 6.10 min Scan# 554

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

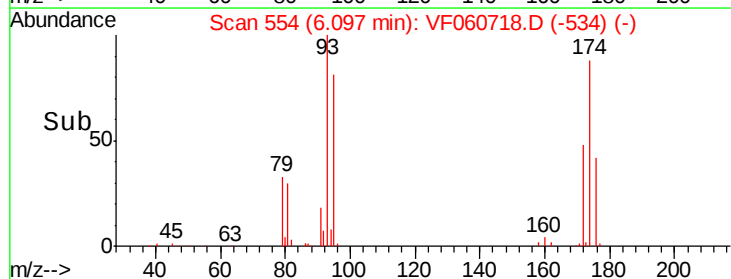
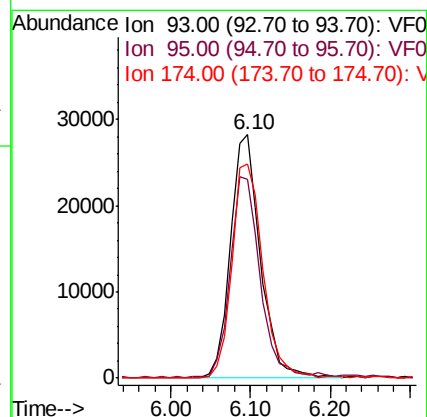
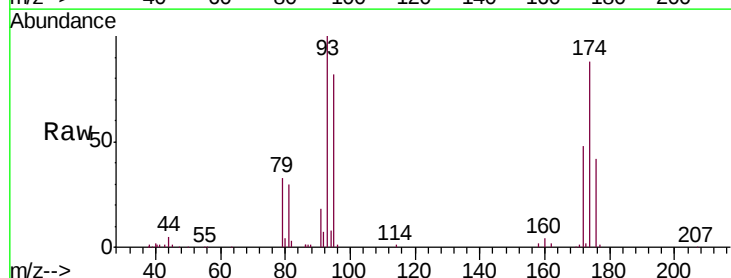
Tgt Ion: 93 Resp: 74712

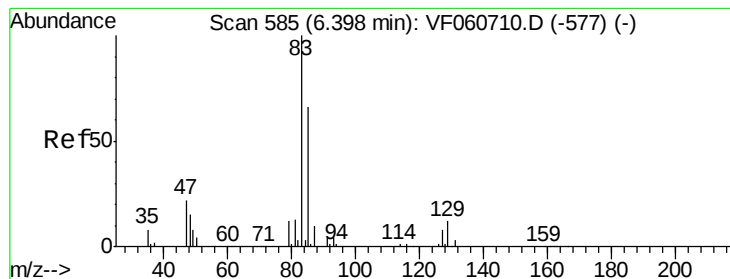
Ion Ratio Lower Upper

93 100

95 81.7 69.5 104.3

174 88.1 76.2 114.2





#47

Bromodichloromethane

Concen: 46.489 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

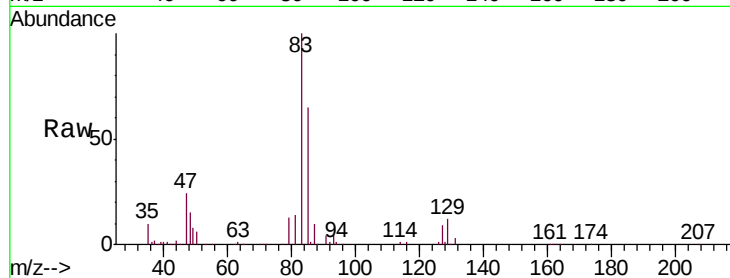
Tgt Ion: 83 Resp: 182288

Ion Ratio Lower Upper

83 100

85 65.5 52.4 78.6

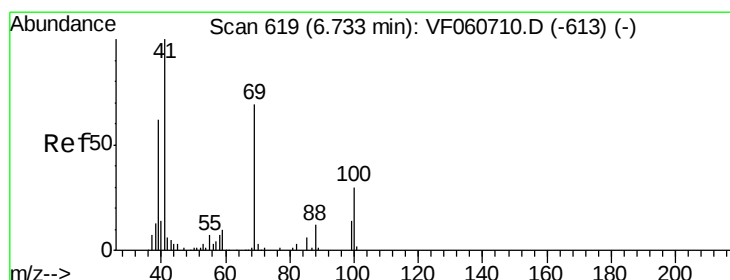
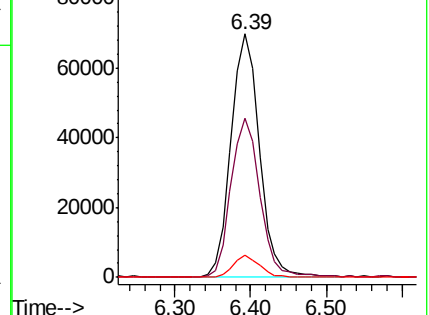
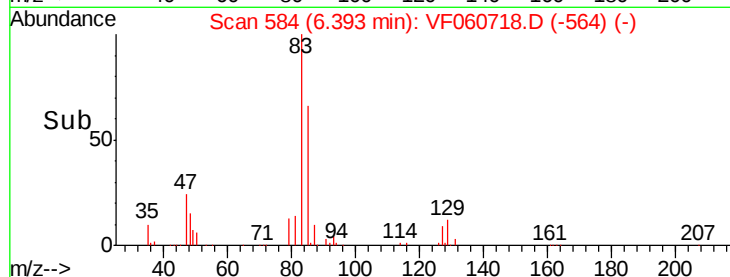
127 9.3 6.8 10.2



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: 46.956 ug/l

RT: 6.72 min Scan# 617

Delta R.T. -0.02 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

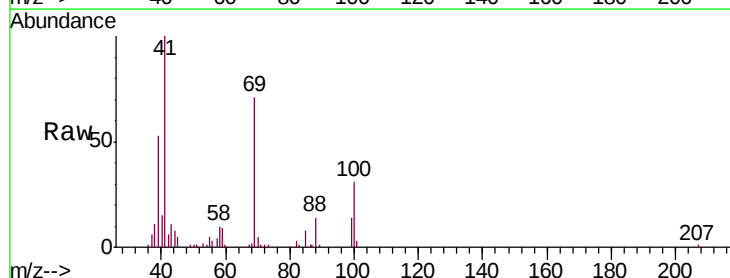
Tgt Ion: 41 Resp: 61431

Ion Ratio Lower Upper

41 100

69 71.1 54.9 82.3

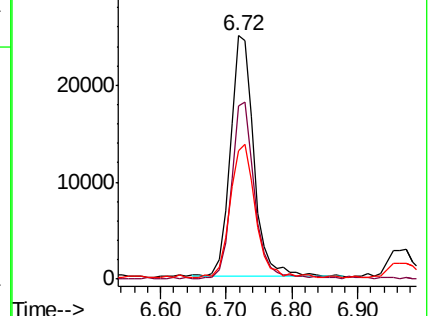
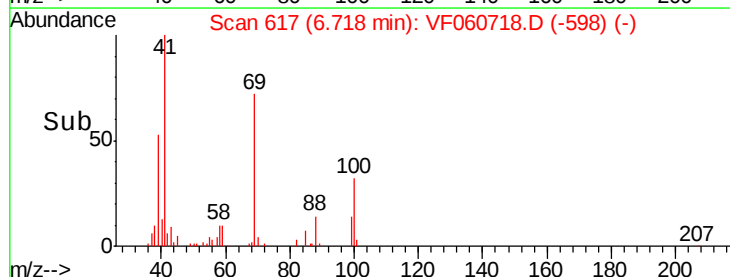
39 52.8 49.6 74.4

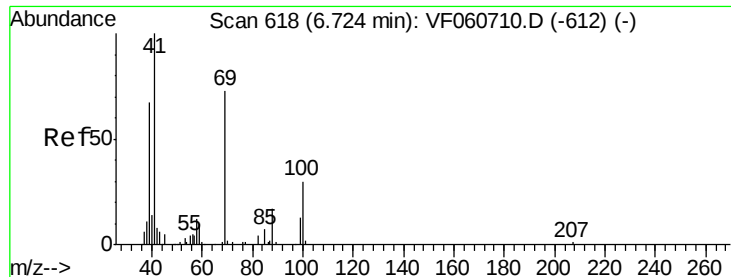


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

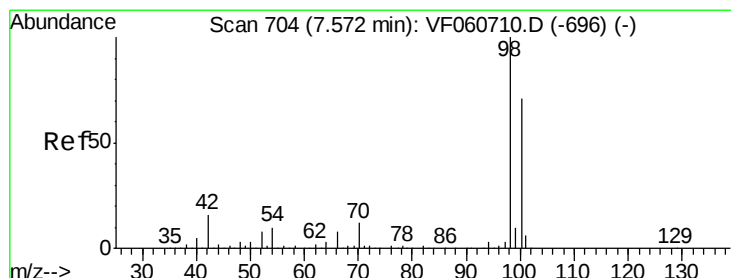
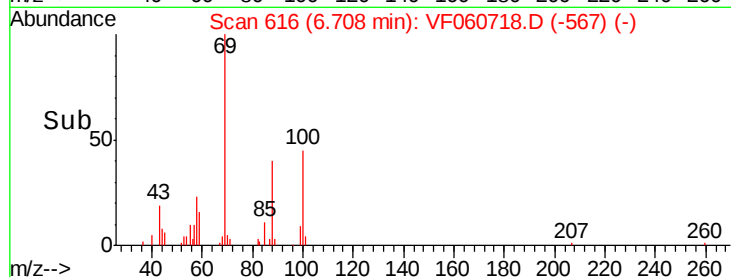
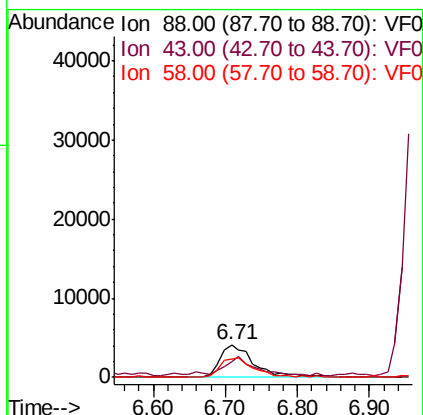
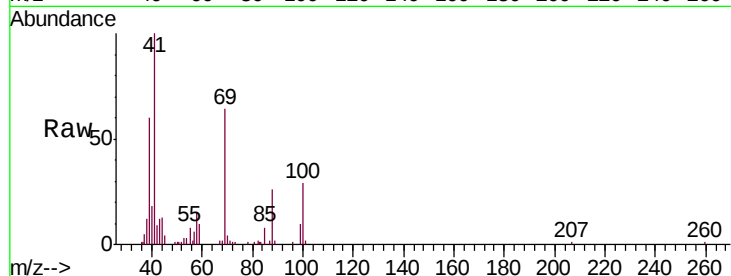




#49
1,4-Dioxane
Concen: 1093.151 ug/l
RT: 6.71 min Scan# 616
Delta R.T. -0.02 min
Lab File: VF060718.D
Acq: 13 Nov 2018 20:05

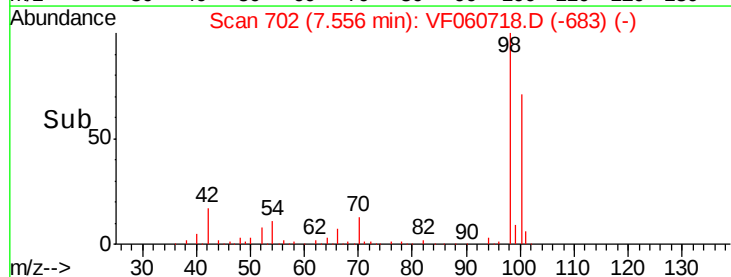
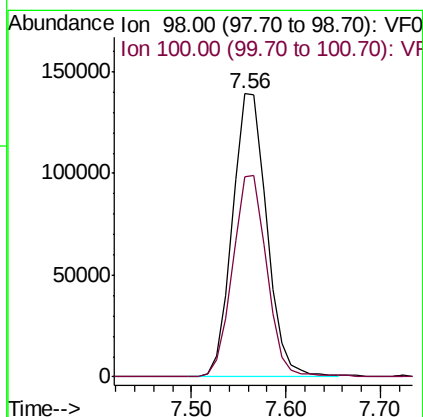
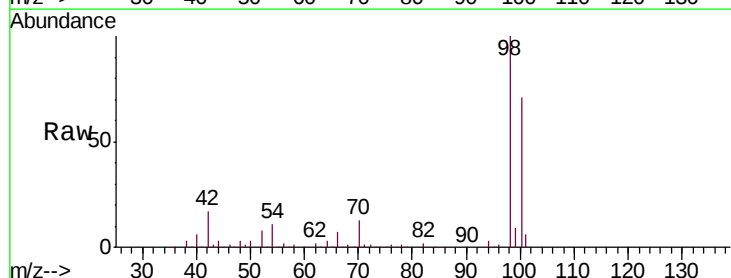
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

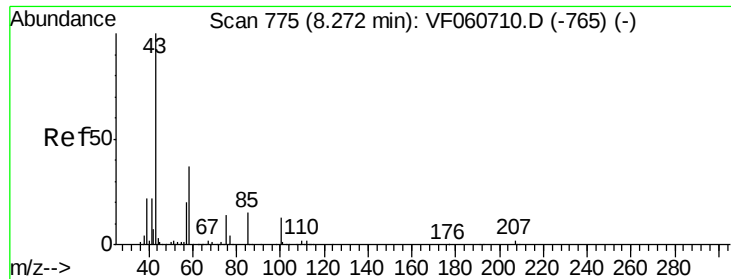
Tgt Ion: 88 Resp: 13375
Ion Ratio Lower Upper
88 100
43 47.5 44.6 66.8
58 57.7 54.5 81.7



#50
Toluene-d8
Concen: 52.758 ug/l
RT: 7.56 min Scan# 702
Delta R.T. -0.01 min
Lab File: VF060718.D
Acq: 13 Nov 2018 20:05

Tgt Ion: 98 Resp: 350533
Ion Ratio Lower Upper
98 100
100 70.7 56.5 84.7





#51

4-Methyl-2-Pentanone

Concen: 229.805 ug/l

RT: 8.27 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

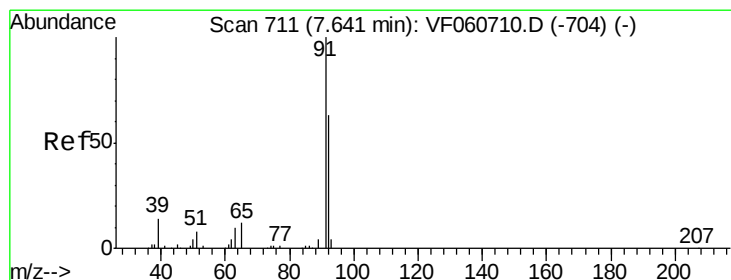
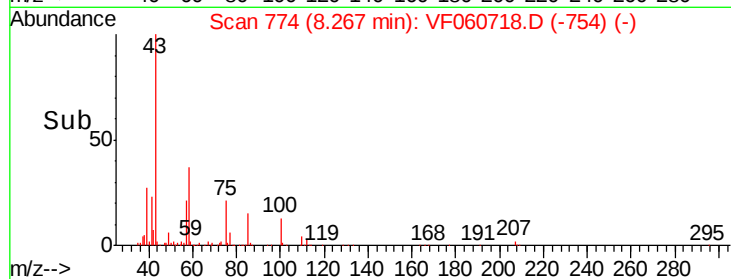
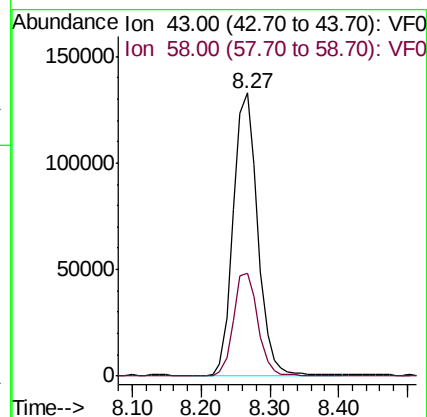
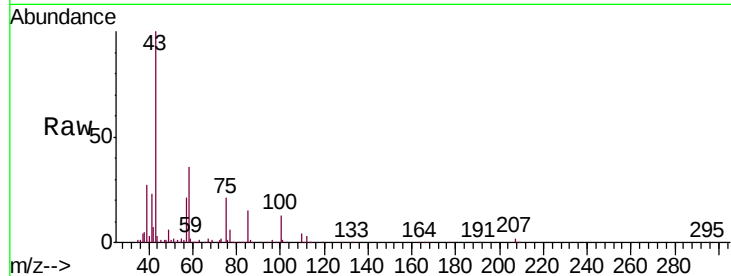
VSTDCCC050EC

Tgt Ion: 43 Resp: 328549

Ion Ratio Lower Upper

43 100

58 36.5 29.2 43.8



#52

Toluene

Concen: 46.333 ug/l

RT: 7.63 min Scan# 709

Delta R.T. -0.02 min

Lab File: VF060718.D

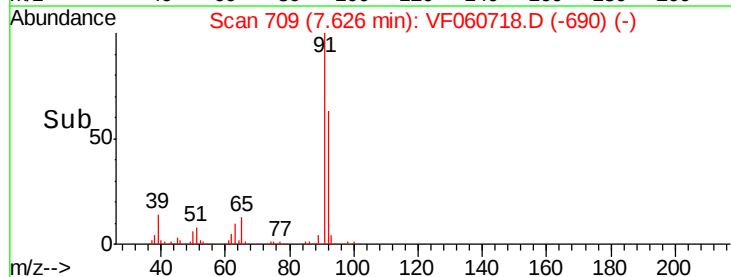
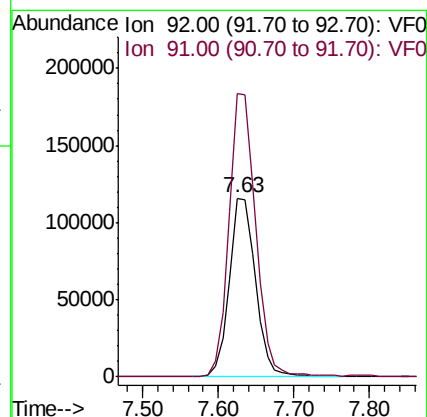
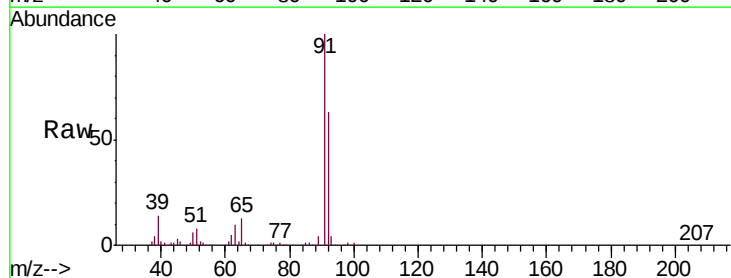
Acq: 13 Nov 2018 20:05

Tgt Ion: 92 Resp: 277556

Ion Ratio Lower Upper

92 100

91 158.6 126.7 190.1





#53

t-1,3-Dichloropropene

Concen: 45.343 ug/l

RT: 8.29 min Scan# 776

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

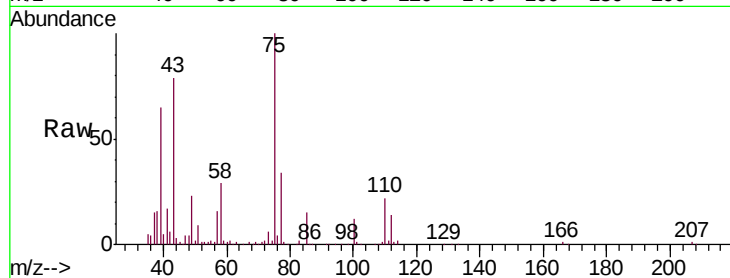
VSTDCCC050EC

Tgt Ion: 75 Resp: 142404

Ion Ratio Lower Upper

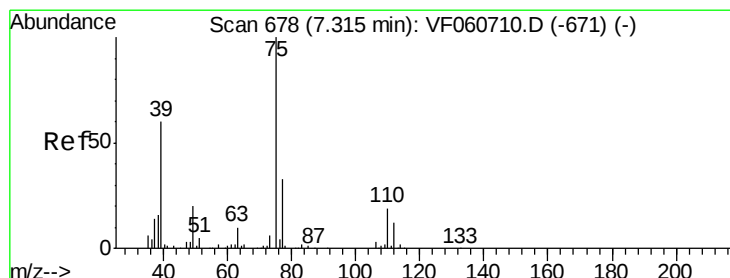
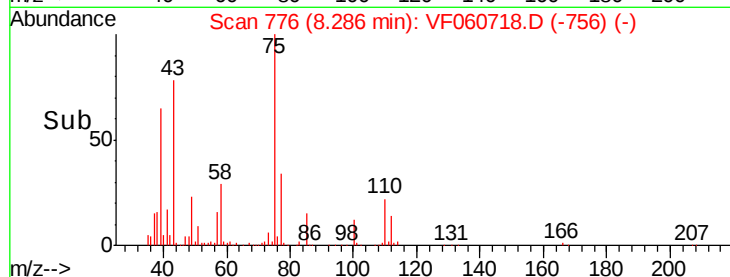
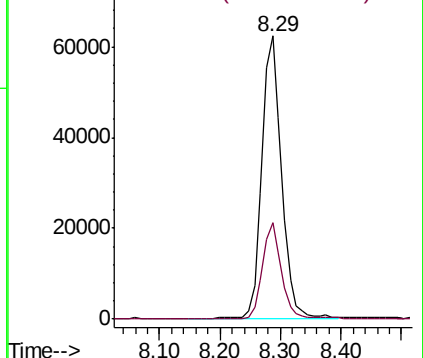
75 100

77 33.9 24.6 36.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 47.916 ug/l

RT: 7.31 min Scan# 677

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

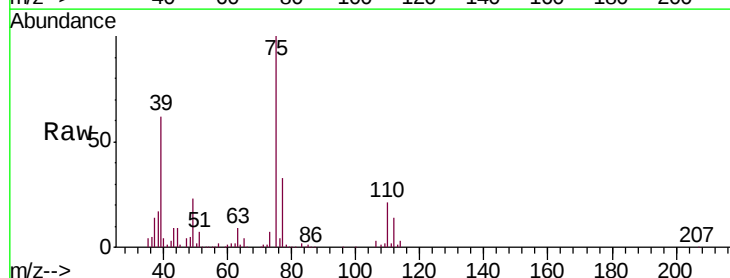
Tgt Ion: 75 Resp: 195472

Ion Ratio Lower Upper

75 100

77 32.5 26.5 39.7

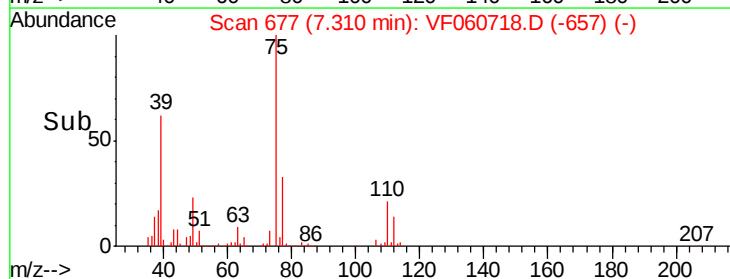
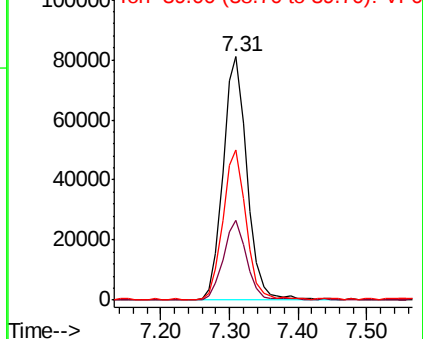
39 61.9 48.5 72.7

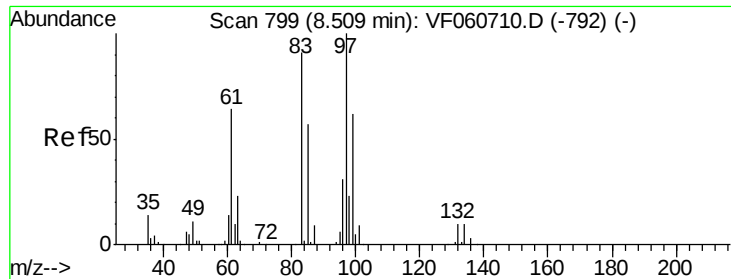


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 44.637 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.02 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 76399

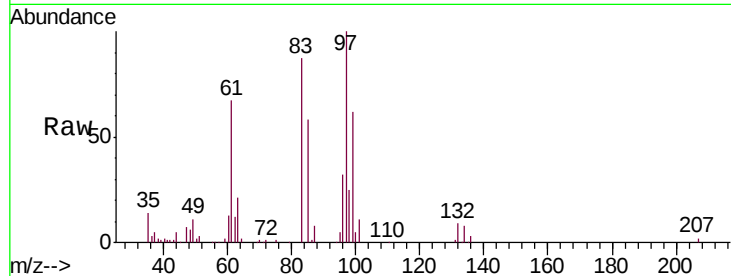
Ion Ratio Lower Upper

97 100

83 87.4 72.8 109.2

85 58.5 45.8 68.6

99 61.6 49.4 74.0



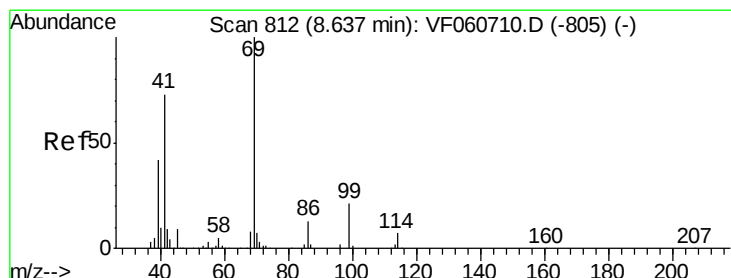
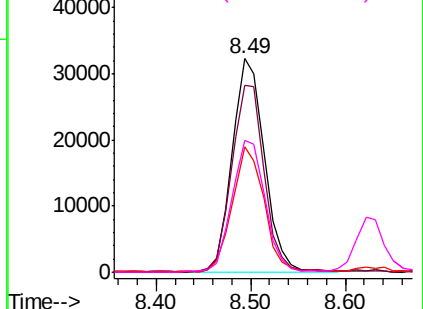
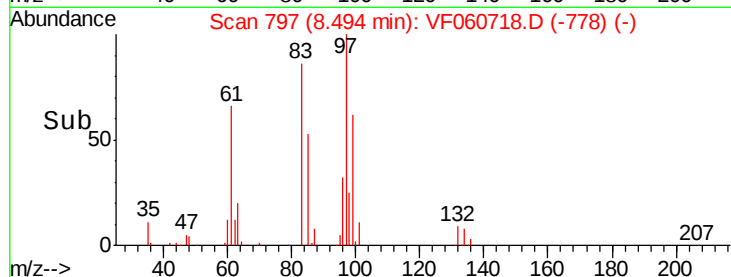
Abundance

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: 48.898 ug/l

RT: 8.62 min Scan# 810

Delta R.T. -0.02 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

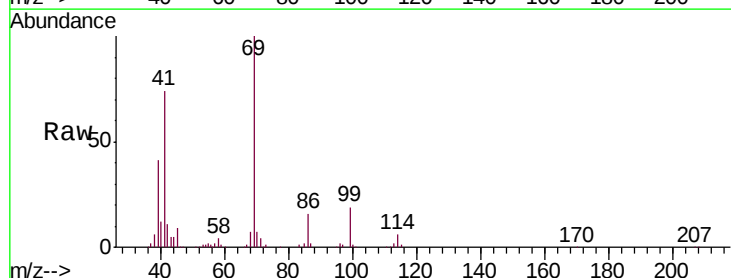
Tgt Ion: 69 Resp: 95049

Ion Ratio Lower Upper

69 100

41 73.7 59.0 88.6

39 41.1 34.0 51.0

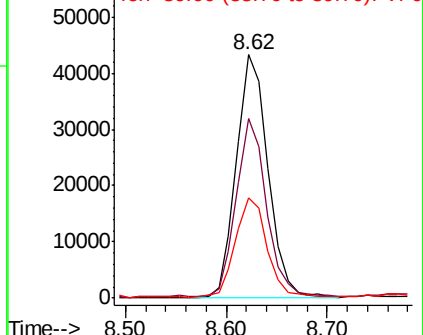
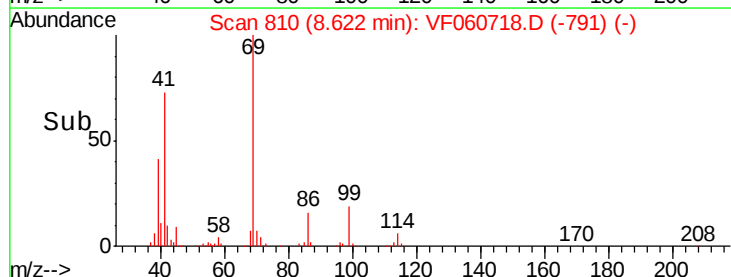


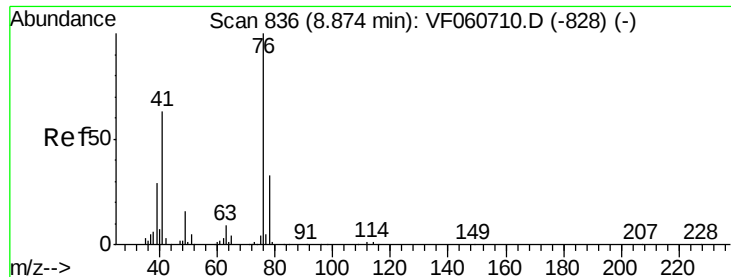
Abundance

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: 47.937 ug/l

RT: 8.86 min Scan# 834

Delta R.T. -0.02 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

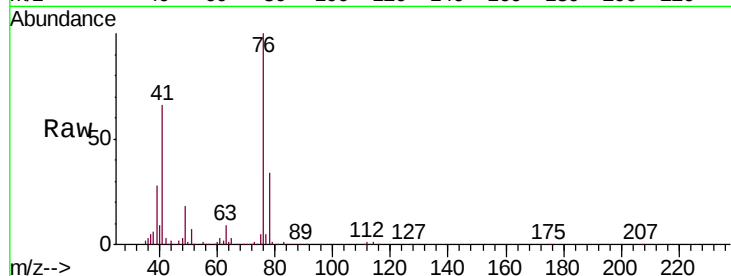
VSTDCCC050EC

Tgt Ion: 76 Resp: 142194

Ion Ratio Lower Upper

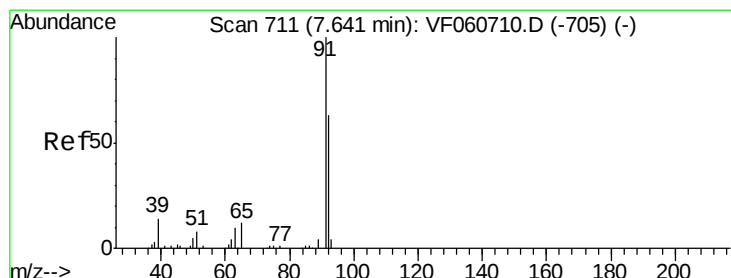
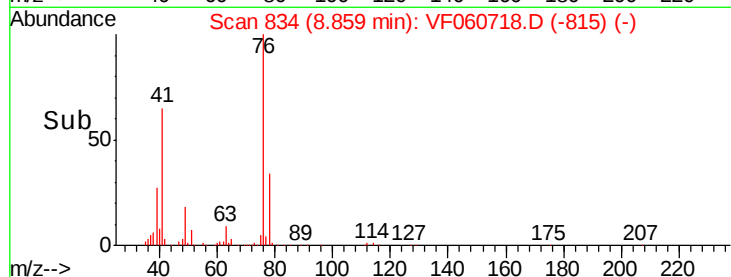
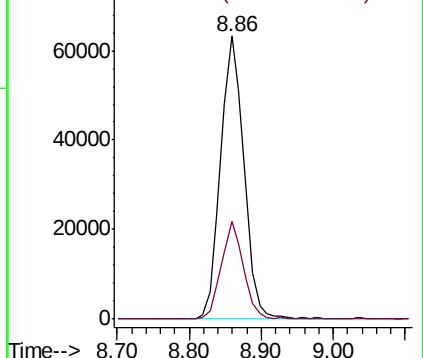
76 100

78 34.4 26.6 39.8



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 239.159 ug/l

RT: 7.63 min Scan# 709

Delta R.T. -0.02 min

Lab File: VF060718.D

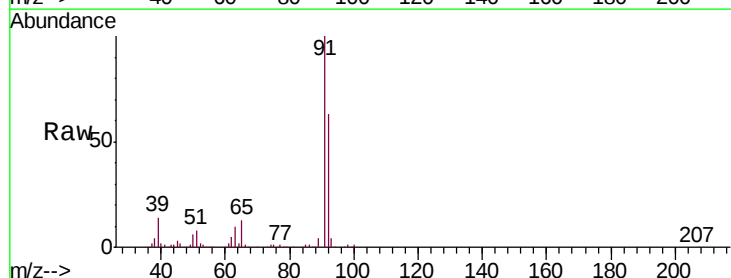
Acq: 13 Nov 2018 20:05

Tgt Ion: 63 Resp: 42467

Ion Ratio Lower Upper

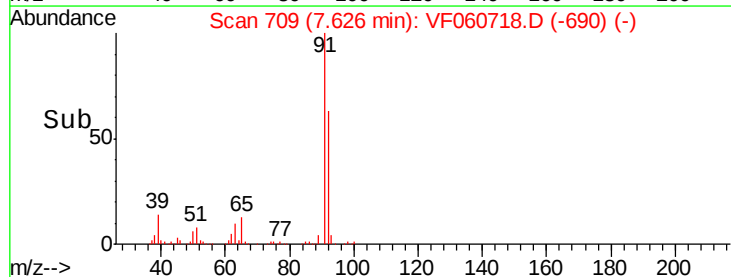
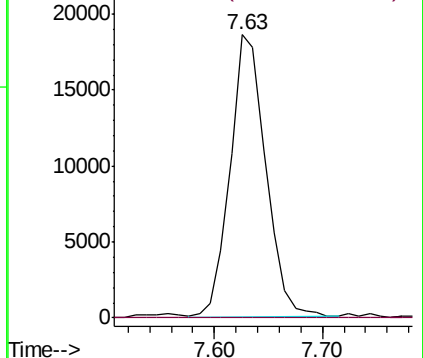
63 100

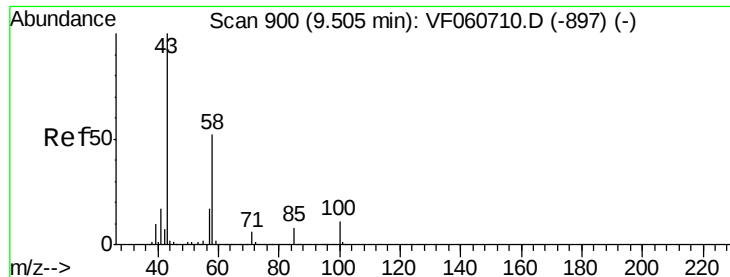
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

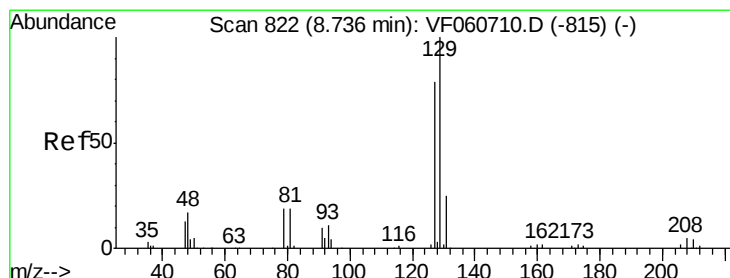
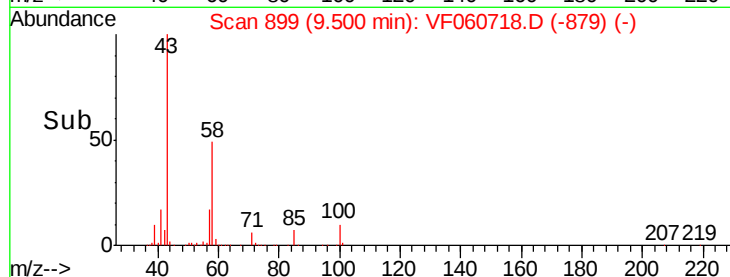
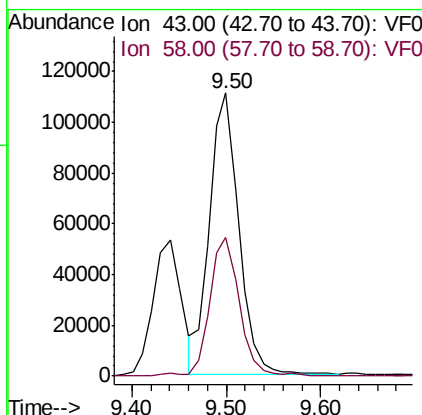
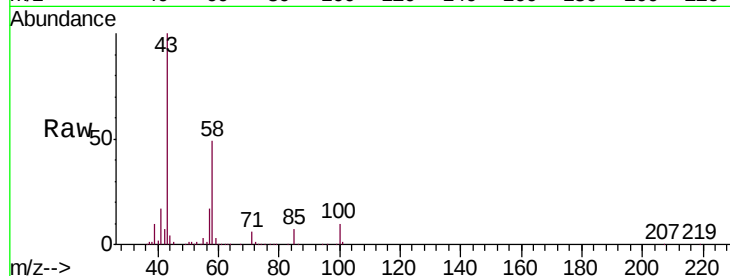




#59
2-Hexanone
Concen: 237.972 ug/l
RT: 9.50 min Scan# 899
Delta R.T. -0.01 min
Lab File: VF060718.D
Acq: 13 Nov 2018 20:05

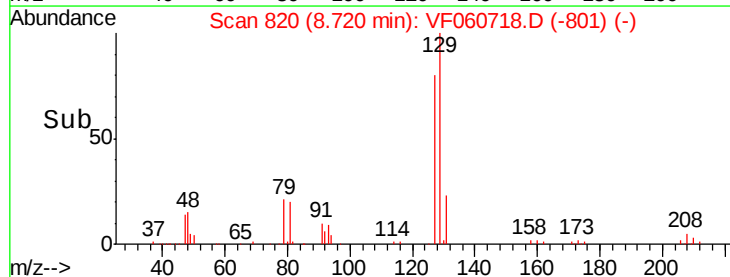
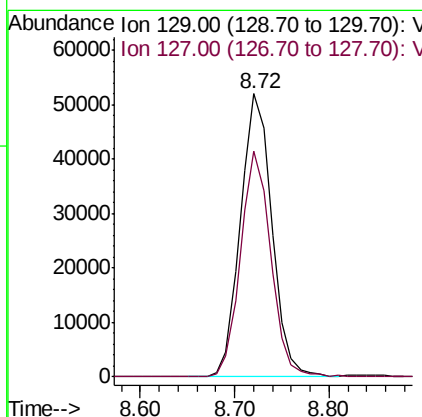
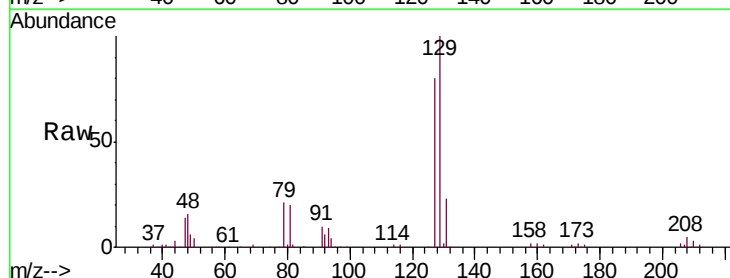
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

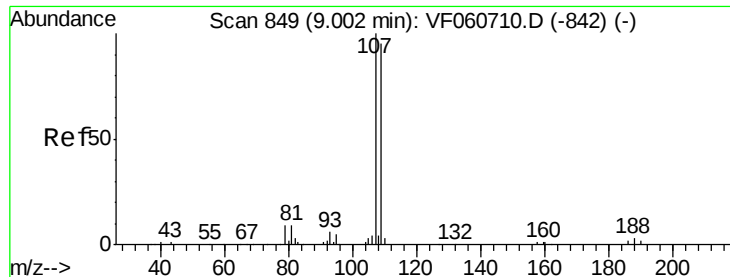
Tgt Ion: 43 Resp: 239099
Ion Ratio Lower Upper
43 100
58 49.1 24.9 74.7



#60
Dibromochloromethane
Concen: 49.216 ug/l
RT: 8.72 min Scan# 820
Delta R.T. -0.02 min
Lab File: VF060718.D
Acq: 13 Nov 2018 20:05

Tgt Ion: 129 Resp: 120054
Ion Ratio Lower Upper
129 100
127 79.6 39.7 119.1





#61

1,2-Dibromoethane

Concen: 49.318 ug/l

RT: 9.00 min Scan# 848

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

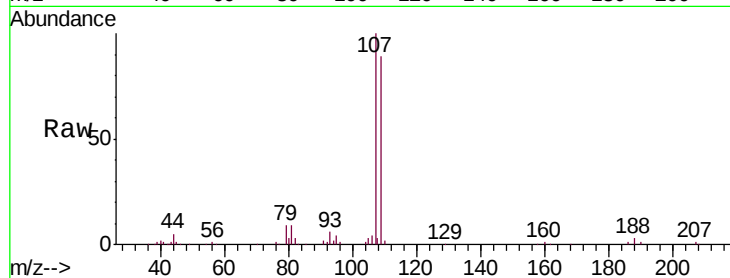
VSTDCCC050EC

Tgt Ion:107 Resp: 88776

Ion Ratio Lower Upper

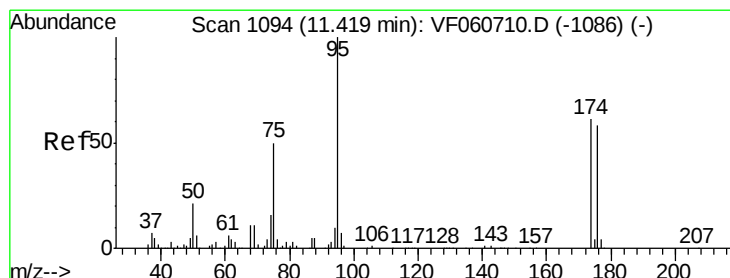
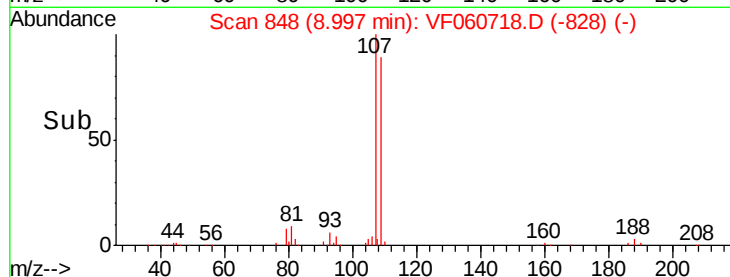
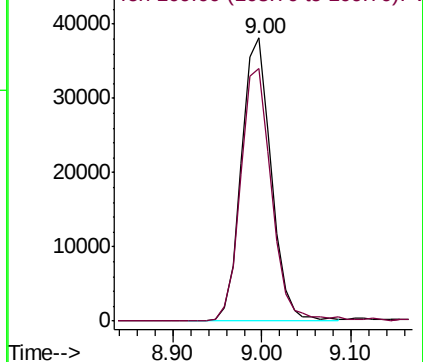
107 100

109 89.4 75.9 113.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 53.972 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

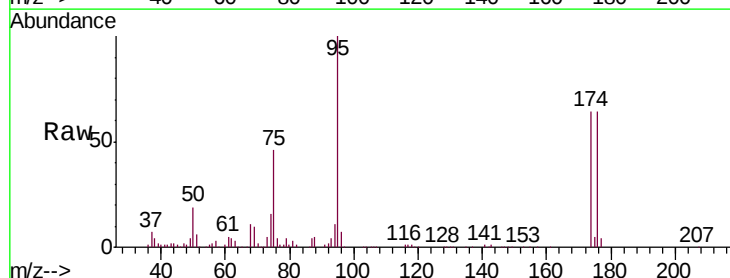
Tgt Ion: 95 Resp: 165019

Ion Ratio Lower Upper

95 100

174 63.6 0.0 121.6

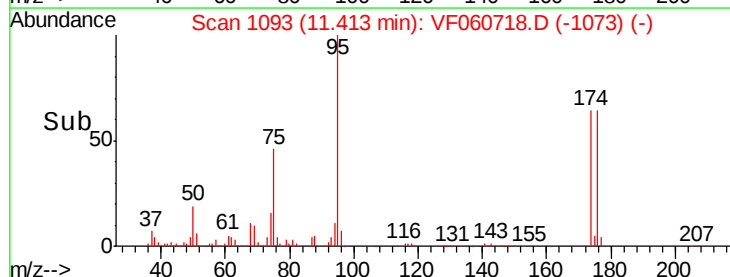
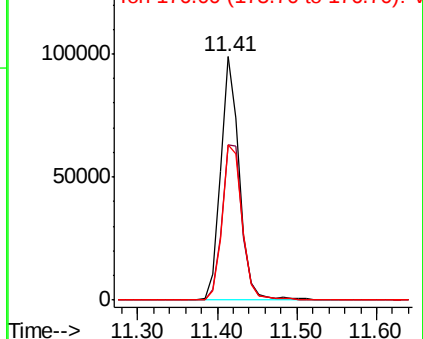
176 63.6 0.0 115.2

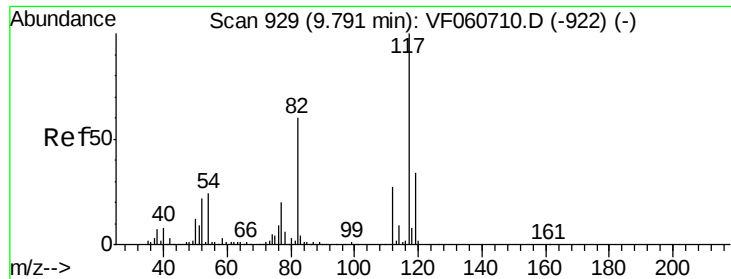


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

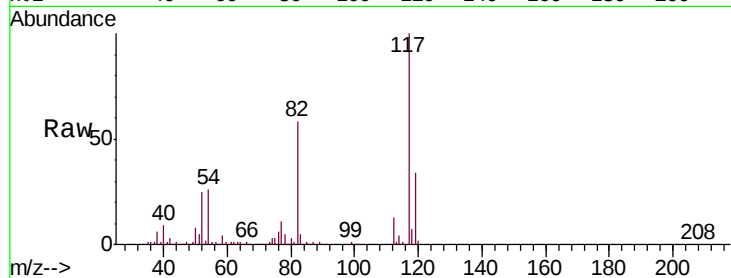




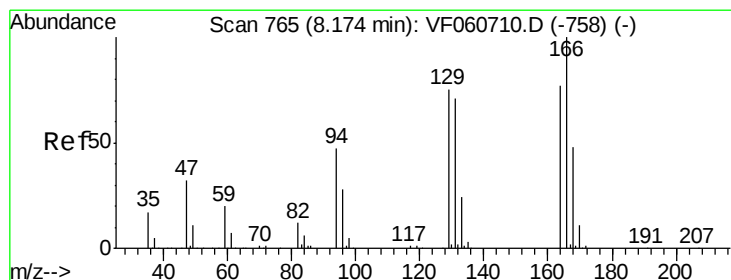
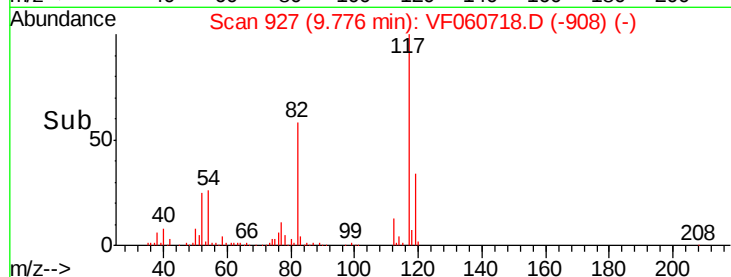
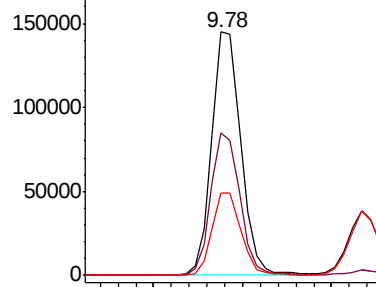
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 927
Delta R.T. -0.02 min
Lab File: VF060718.D
Acq: 13 Nov 2018 20:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 330280
Ion Ratio Lower Upper
117 100
82 58.4 47.9 71.9
119 33.8 26.8 40.2

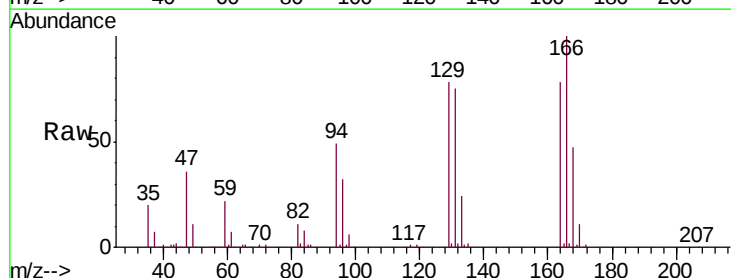


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

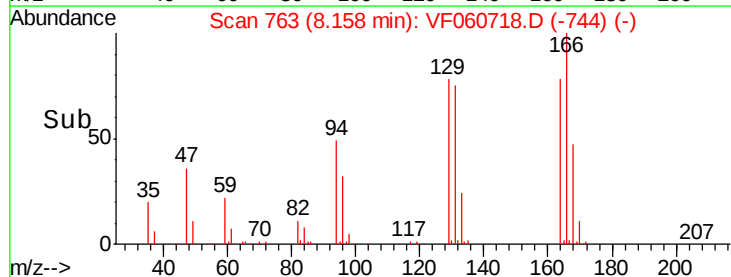
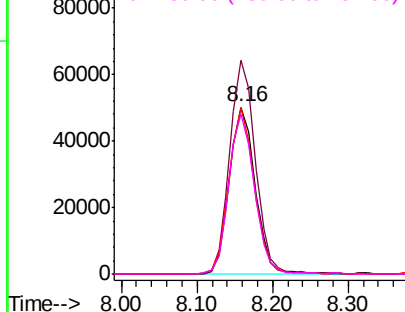


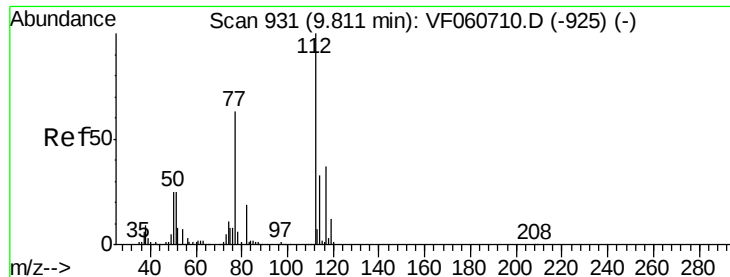
#64
Tetrachloroethene
Concen: 45.180 ug/l
RT: 8.16 min Scan# 763
Delta R.T. -0.02 min
Lab File: VF060718.D
Acq: 13 Nov 2018 20:05

Tgt Ion:164 Resp: 118167
Ion Ratio Lower Upper
164 100
166 128.2 103.5 155.3
129 100.1 77.4 116.2
131 96.4 73.5 110.3



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: 46.727 ug/l

RT: 9.81 min Scan# 930

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

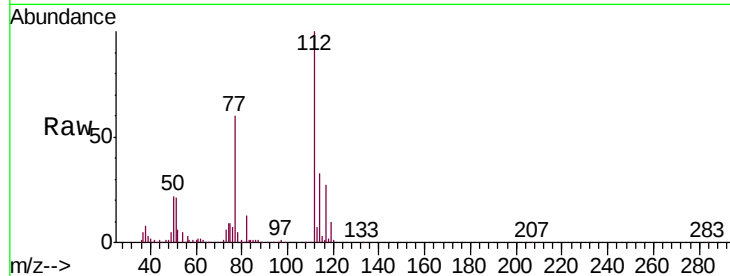
VSTDCCC050EC

Tgt Ion:112 Resp: 311429

Ion Ratio Lower Upper

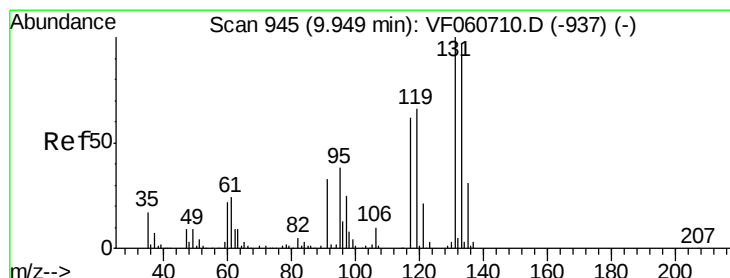
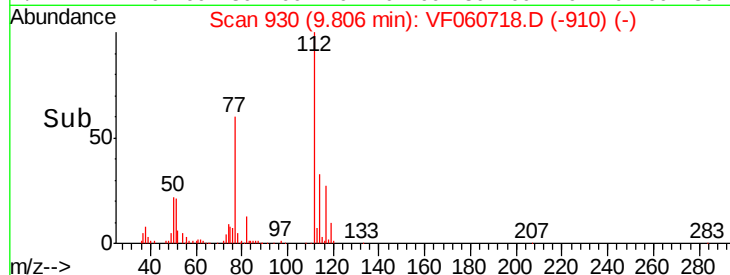
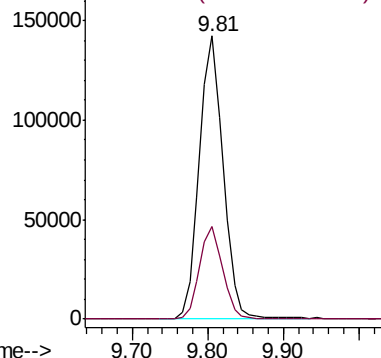
112 100

114 32.9 26.1 39.1



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: 43.675 ug/l

RT: 9.93 min Scan# 943

Delta R.T. -0.02 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

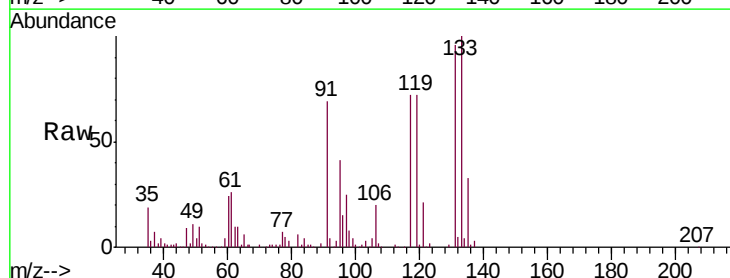
Tgt Ion:131 Resp: 126961

Ion Ratio Lower Upper

131 100

133 103.6 48.3 144.8

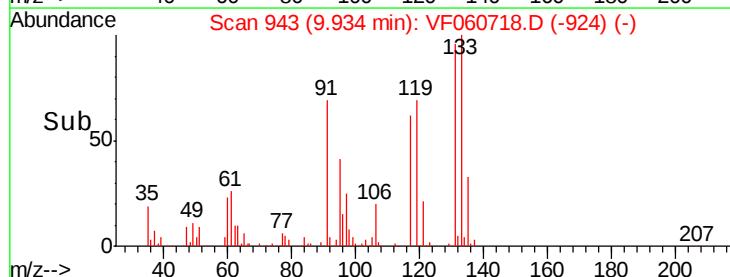
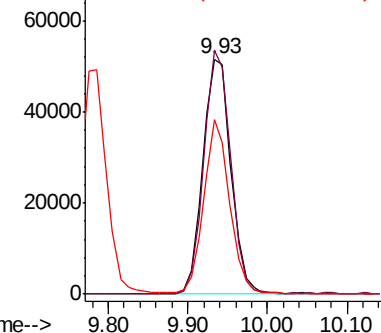
119 74.2 33.2 99.6

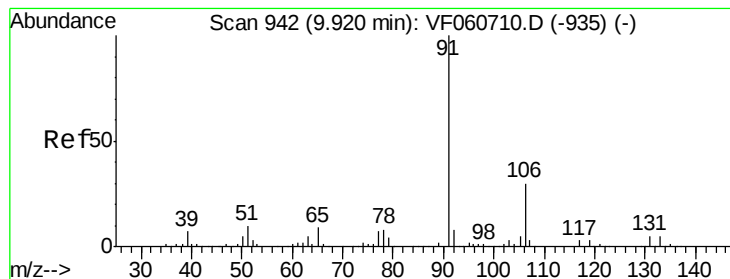


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 44.861 ug/l

RT: 9.90 min Scan# 940

Delta R.T. -0.02 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

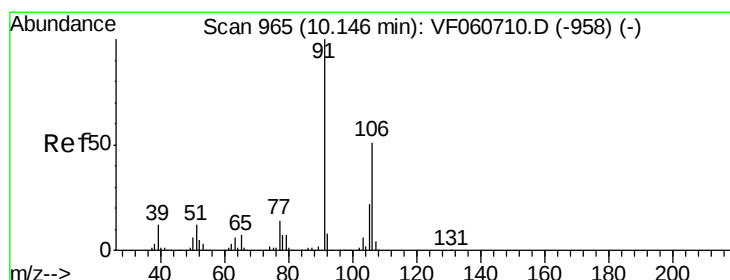
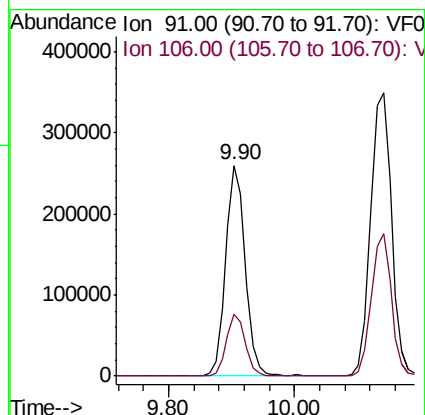
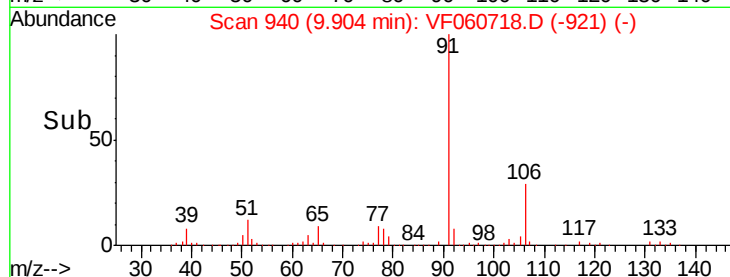
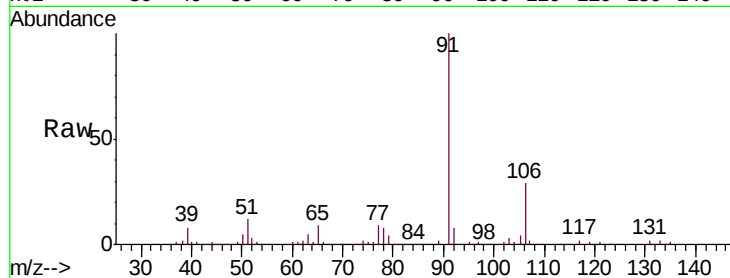
VSTDCCC050EC

Tgt Ion: 91 Resp: 563582

Ion Ratio Lower Upper

91 100

106 29.1 23.9 35.9



#68

m/p-Xylenes

Concen: 87.027 ug/l

RT: 10.14 min Scan# 964

Delta R.T. -0.01 min

Lab File: VF060718.D

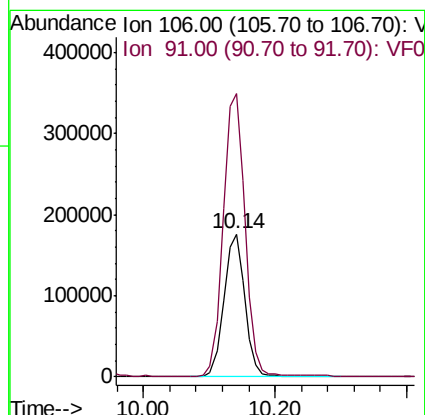
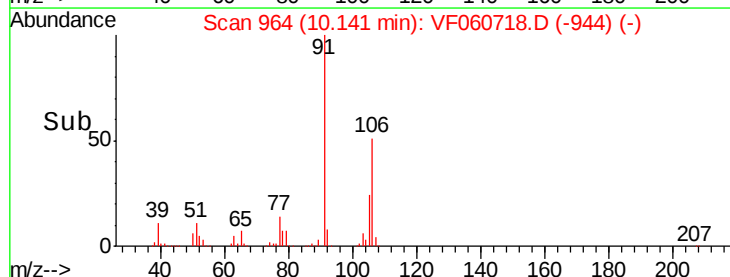
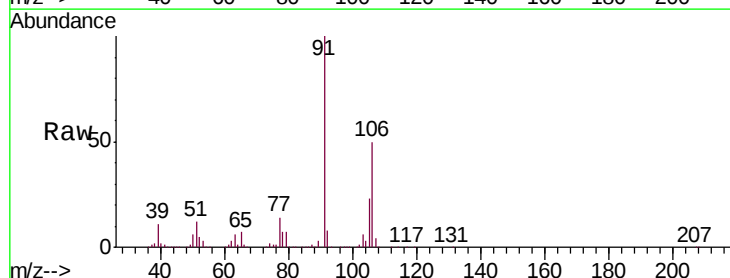
Acq: 13 Nov 2018 20:05

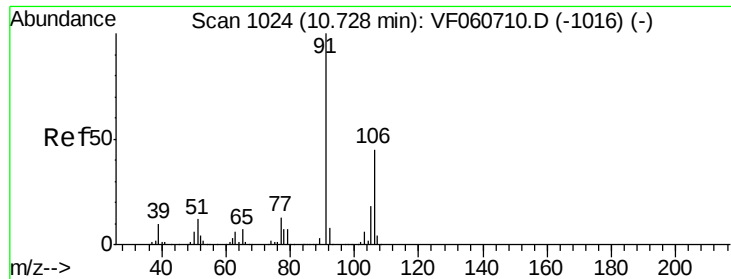
Tgt Ion: 106 Resp: 390713

Ion Ratio Lower Upper

106 100

91 198.5 158.2 237.2

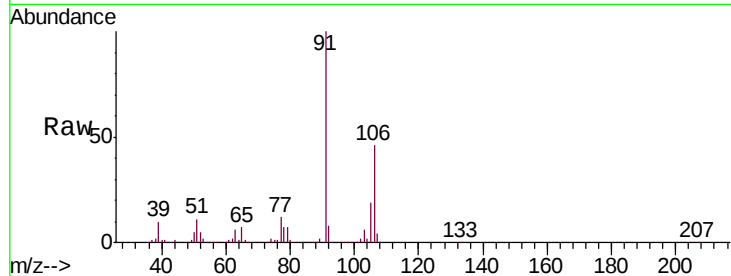




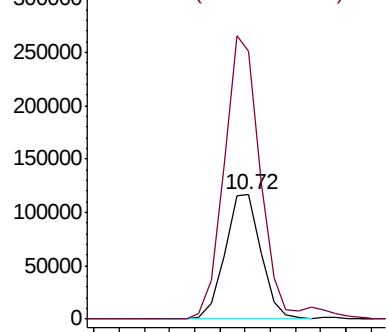
#69
o-Xylene
Concen: 45.800 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. -0.01 min
Lab File: VF060718.D
Acq: 13 Nov 2018 20:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

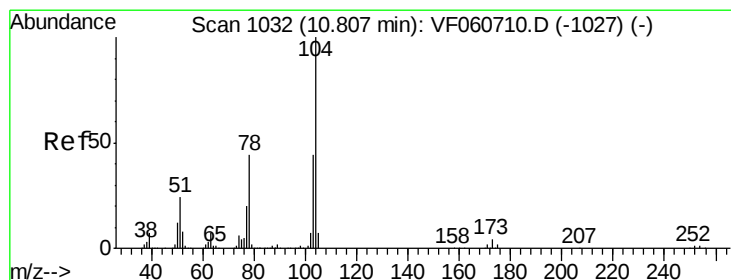
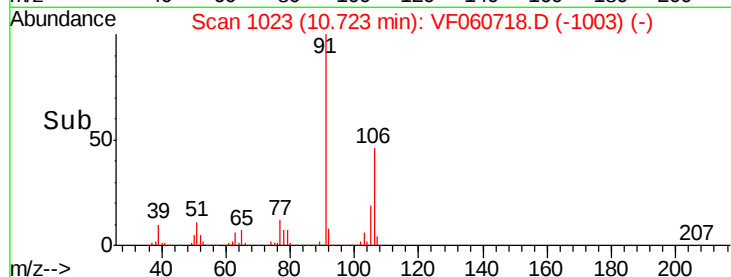
Tgt Ion:106 Resp: 231181
Ion Ratio Lower Upper
106 100
91 216.1 110.3 330.9



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

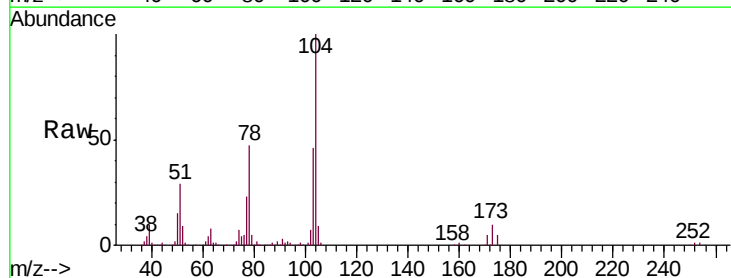


Time-->

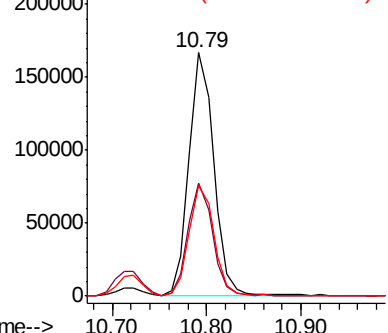


#70
Styrene
Concen: 44.720 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.02 min
Lab File: VF060718.D
Acq: 13 Nov 2018 20:05

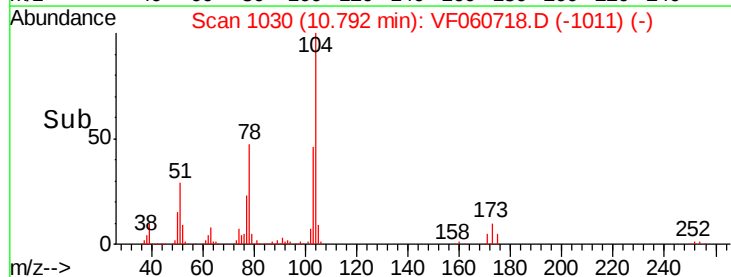
Tgt Ion:104 Resp: 306343
Ion Ratio Lower Upper
104 100
78 46.6 35.4 53.2
103 45.6 35.8 53.6

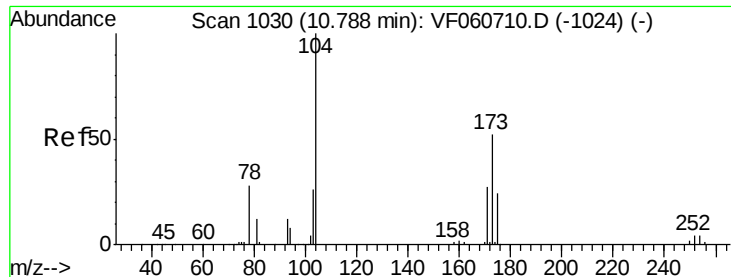


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VF0
Ion 103.00 (102.70 to 103.70): V



Time-->





#71

Bromoform

Concen: 44.957 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

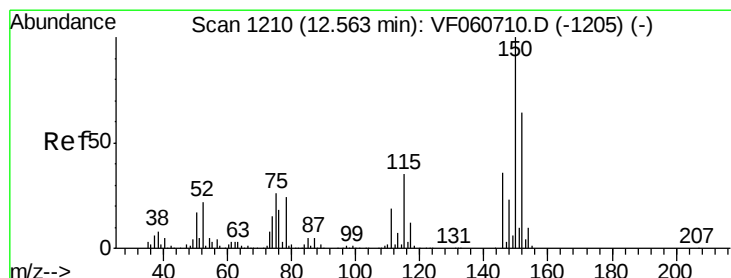
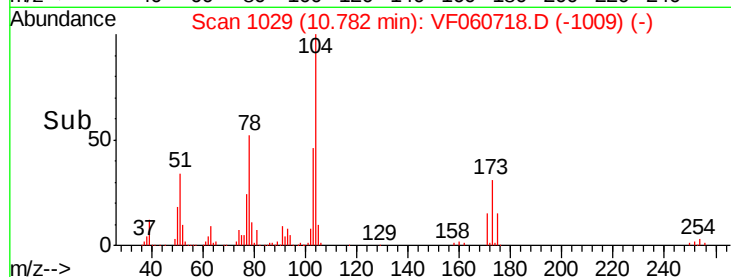
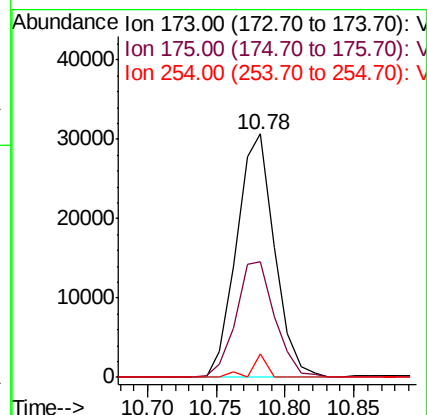
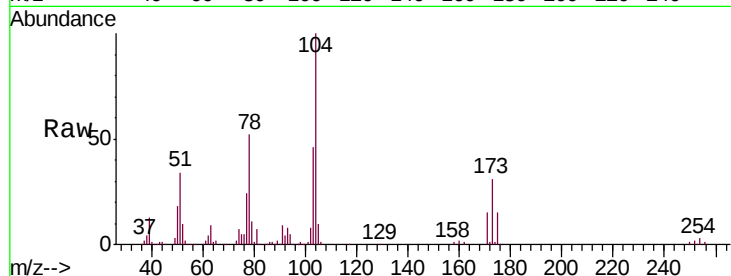
Tgt Ion:173 Resp: 58769

Ion Ratio Lower Upper

173 100

175 47.7 23.4 70.0

254 9.4 5.8 8.8#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

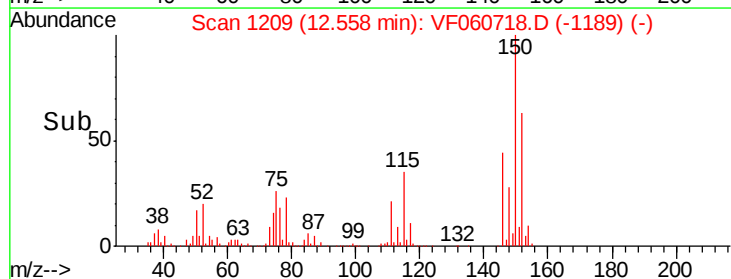
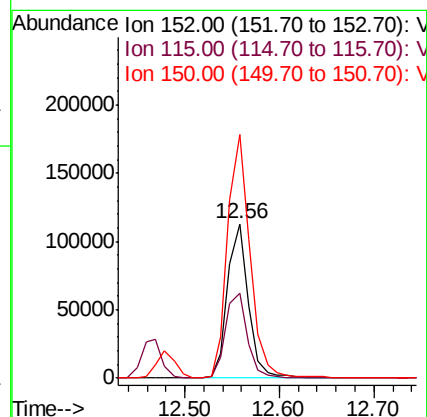
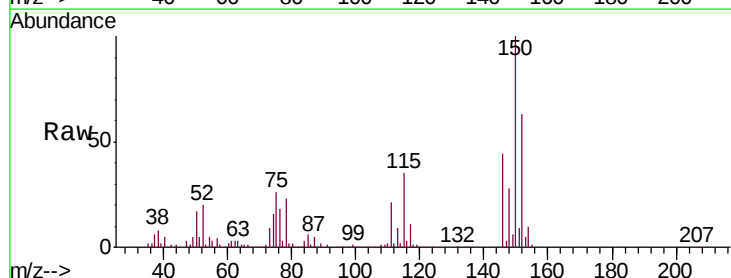
Tgt Ion:152 Resp: 171883

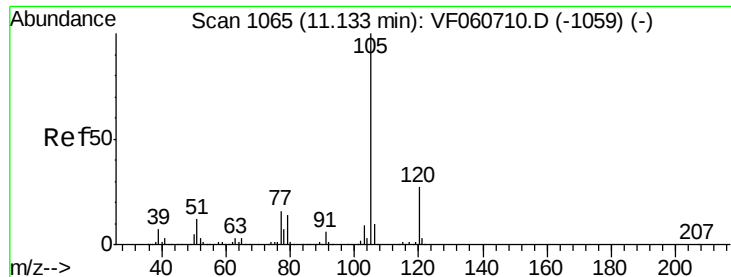
Ion Ratio Lower Upper

152 100

115 55.3 27.9 83.7

150 158.1 0.0 316.4





#73

Isopropylbenzene

Concen: 51.255 ug/l

RT: 11.13 min Scan# 1064

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

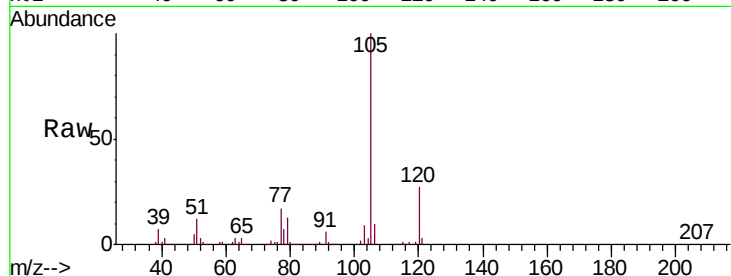
VSTDCCC050EC

Tgt Ion:105 Resp: 709128

Ion Ratio Lower Upper

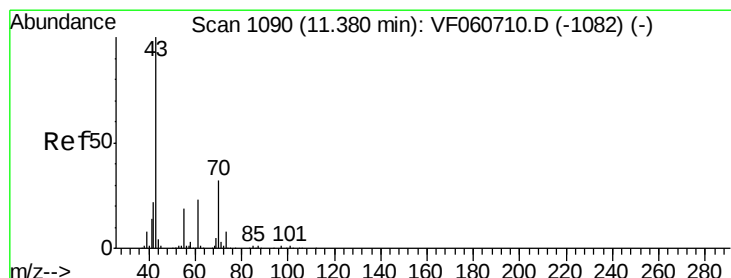
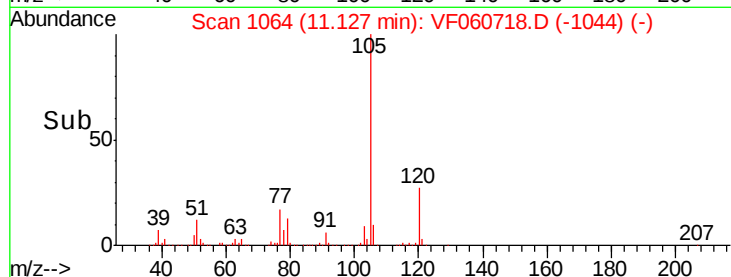
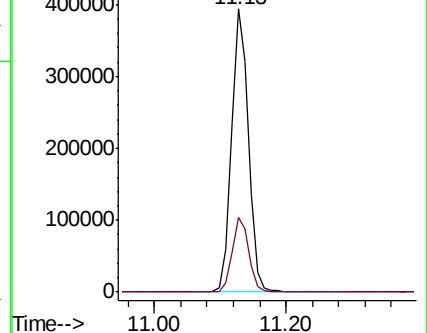
105 100

120 26.6 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.185 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Tgt Ion: 43 Resp: 145464

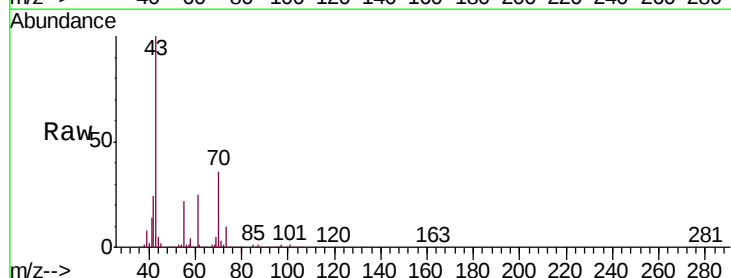
Ion Ratio Lower Upper

43 100

70 35.7 25.5 38.3

55 22.0 14.9 22.3

61 25.2 18.6 27.8

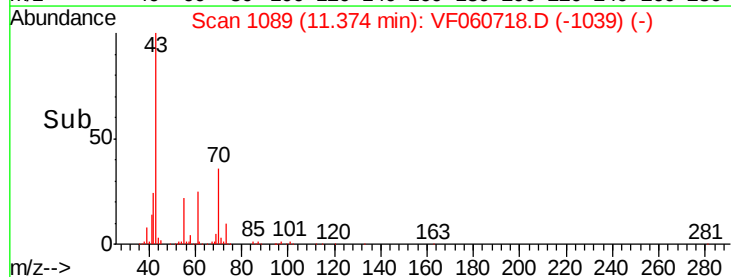
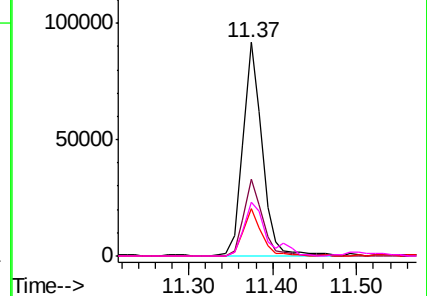


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.527 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

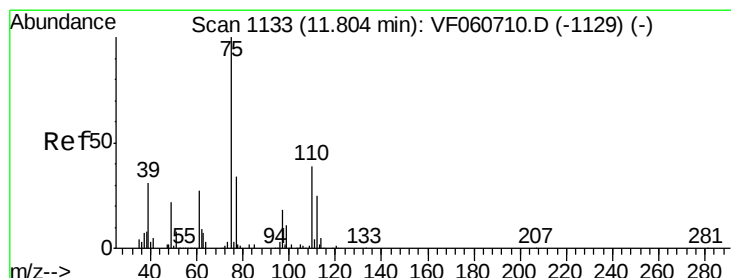
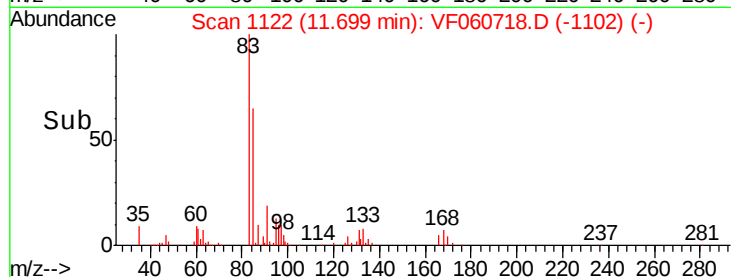
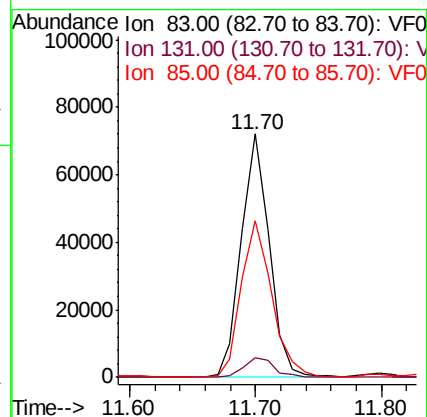
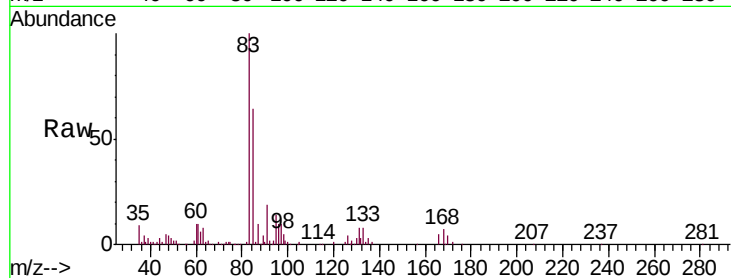
Tgt Ion: 83 Resp: 111001

Ion Ratio Lower Upper

83 100

131 8.1 4.2 12.4

85 64.4 32.0 96.2



#76

1,2,3-Trichloropropane

Concen: 44.447 ug/l

RT: 11.80 min Scan# 1132

Delta R.T. -0.01 min

Lab File: VF060718.D

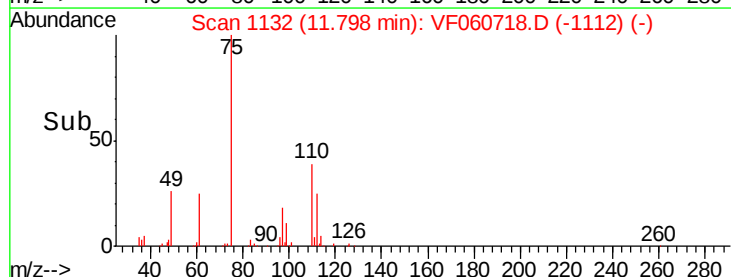
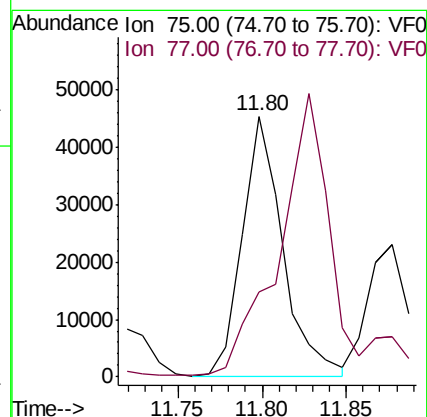
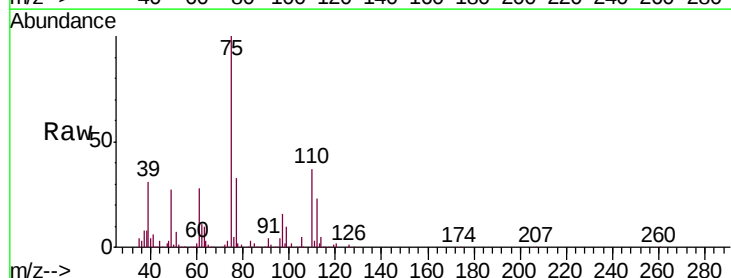
Acq: 13 Nov 2018 20:05

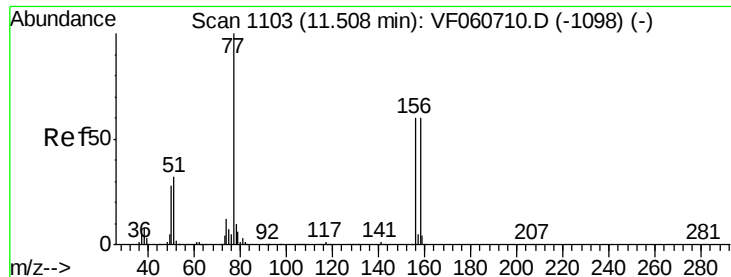
Tgt Ion: 75 Resp: 75507

Ion Ratio Lower Upper

75 100

77 32.6 17.0 51.0





#77

Bromobenzene

Concen: 49.214 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

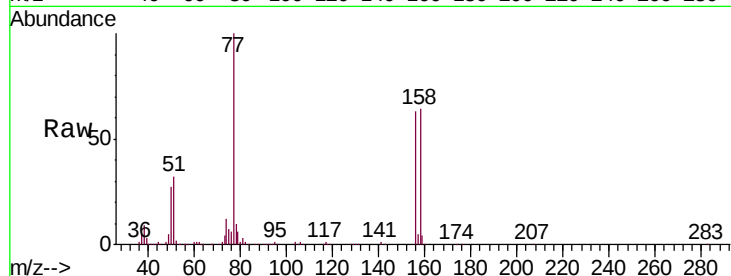
Tgt Ion: 156 Resp: 141730

Ion Ratio Lower Upper

156 100

77 158.2 83.0 248.9

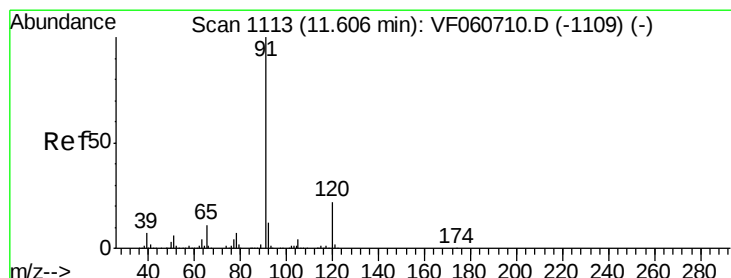
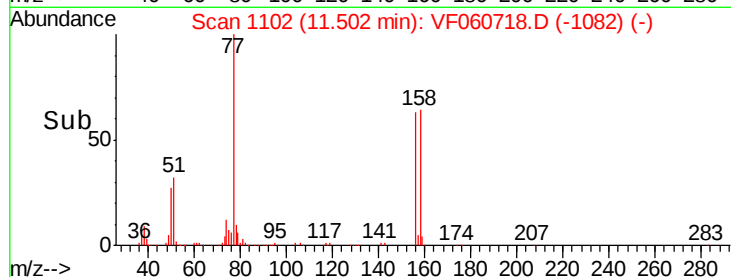
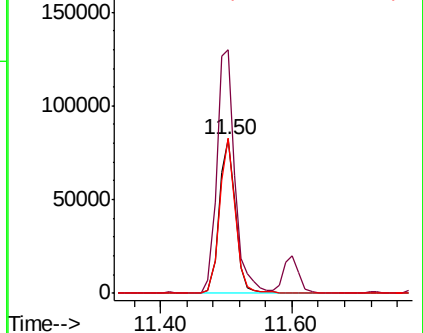
158 100.8 49.6 149.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 48.982 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF060718.D

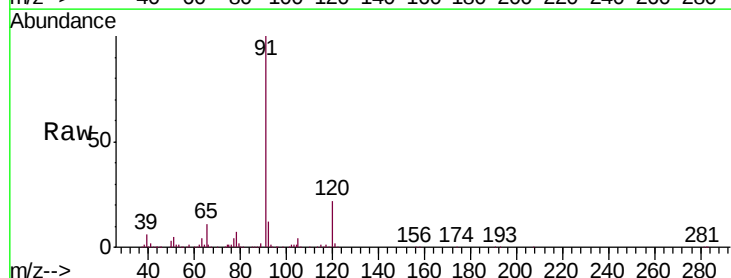
Acq: 13 Nov 2018 20:05

Tgt Ion: 91 Resp: 790373

Ion Ratio Lower Upper

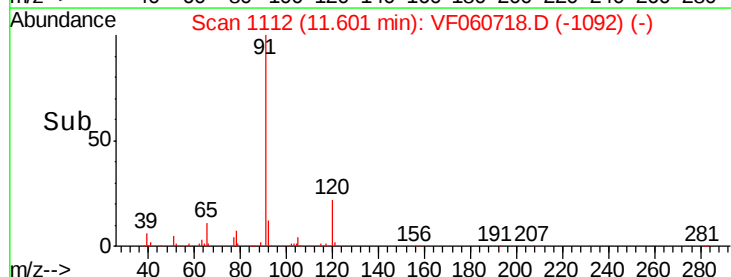
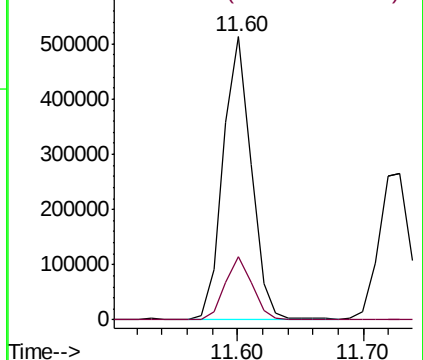
91 100

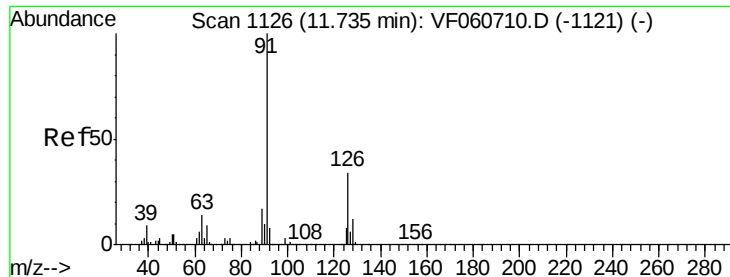
120 22.1 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.560 ug/l

RT: 11.73 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

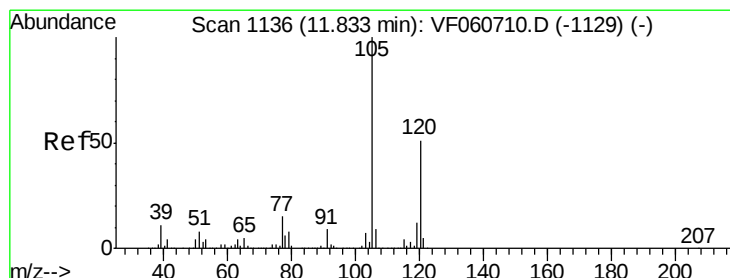
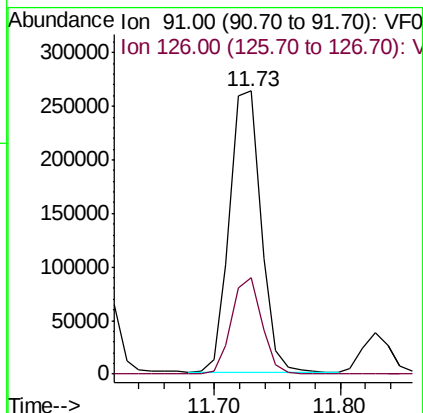
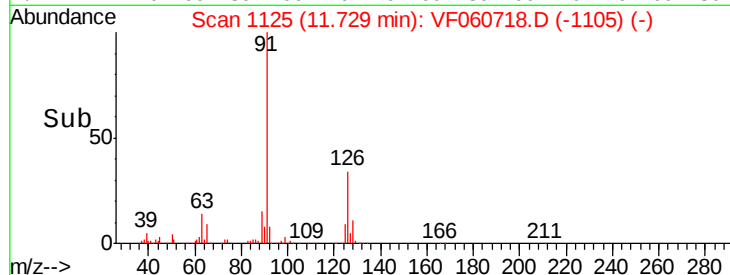
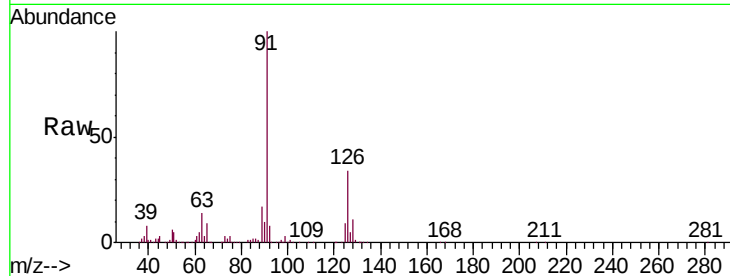
VSTDCCC050EC

Tgt Ion: 91 Resp: 455416

Ion Ratio Lower Upper

91 100

126 34.1 16.8 50.4



#80

1,3,5-Trimethylbenzene

Concen: 50.212 ug/l

RT: 11.83 min Scan# 1135

Delta R.T. -0.01 min

Lab File: VF060718.D

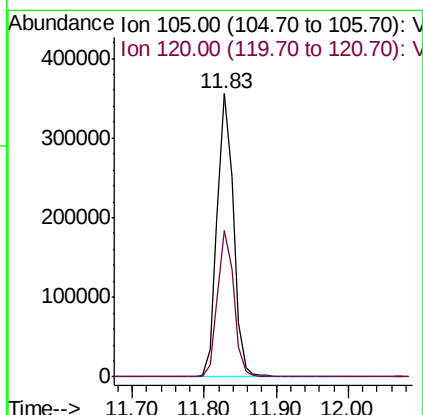
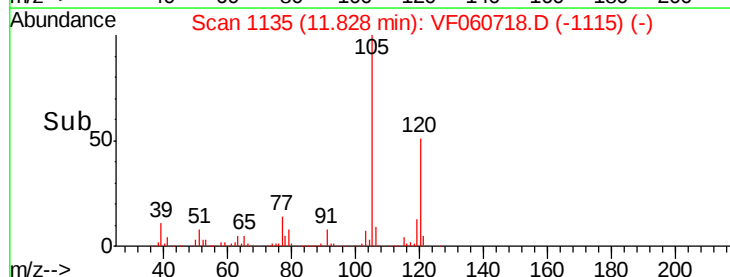
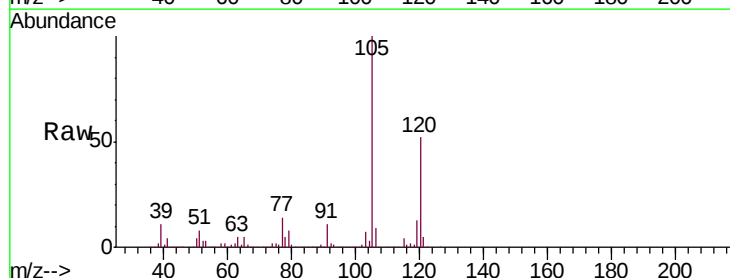
Acq: 13 Nov 2018 20:05

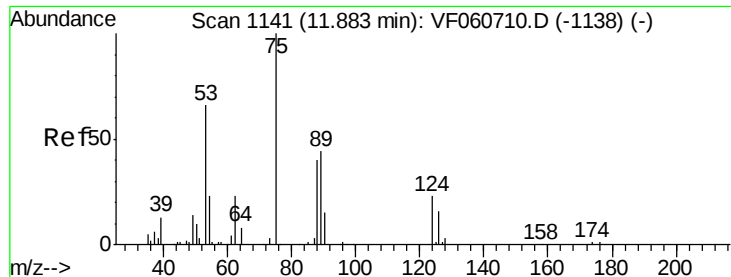
Tgt Ion: 105 Resp: 551532

Ion Ratio Lower Upper

105 100

120 51.9 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 63.128 ug/l

RT: 11.88 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF060718.D

Acq: 13 Nov 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

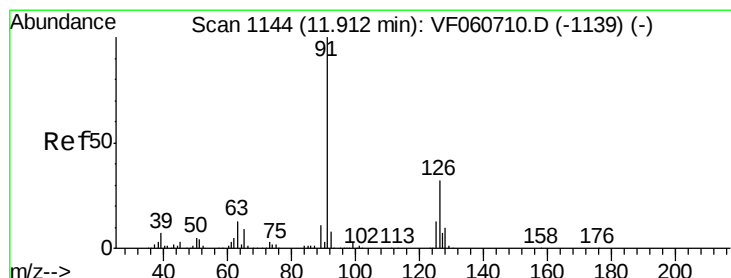
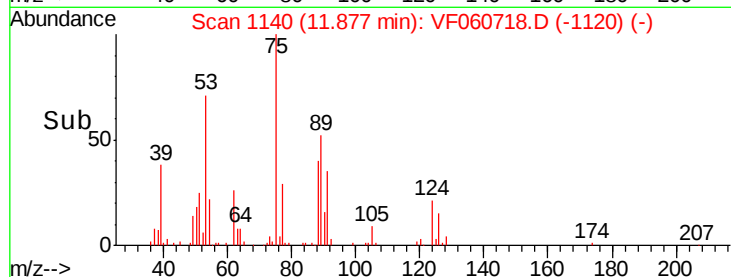
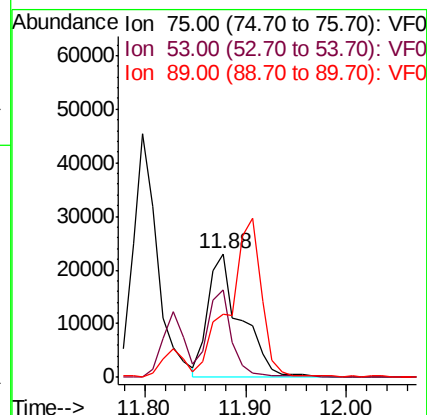
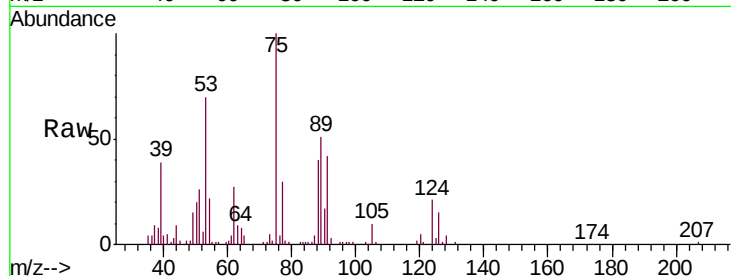
Tgt Ion: 75 Resp: 52687

Ion Ratio Lower Upper

75 100

53 70.3 57.0 85.4

89 51.3 37.8 56.8



#82

4-Chlorotoluene

Concen: 47.681 ug/l

RT: 11.91 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VF060718.D

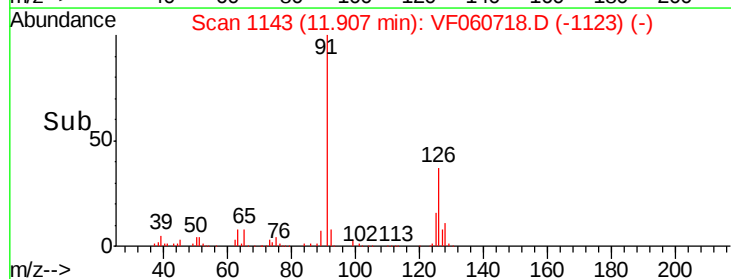
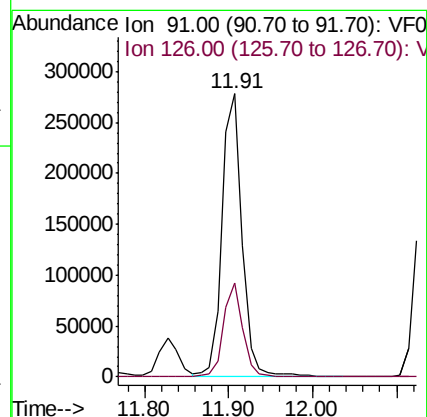
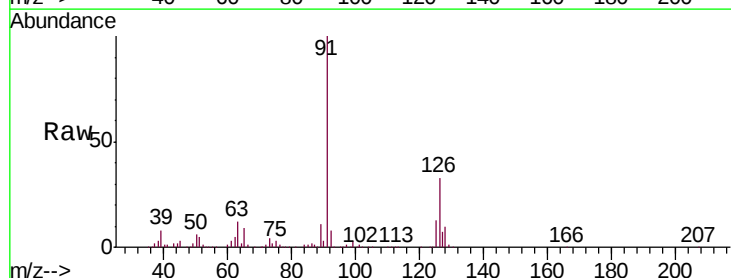
Acq: 13 Nov 2018 20:05

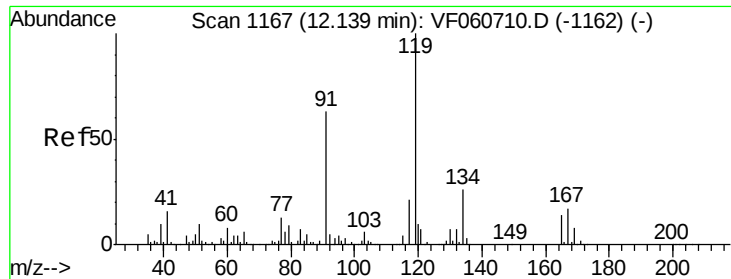
Tgt Ion: 91 Resp: 458100

Ion Ratio Lower Upper

91 100

126 33.1 16.0 47.9

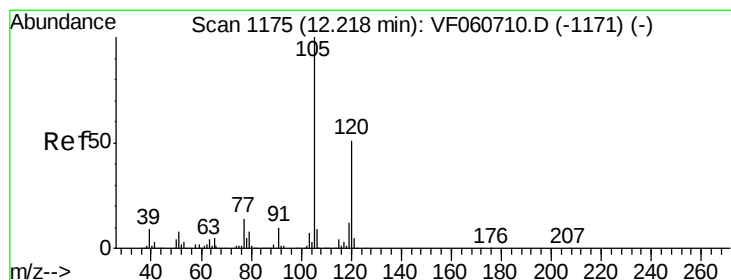
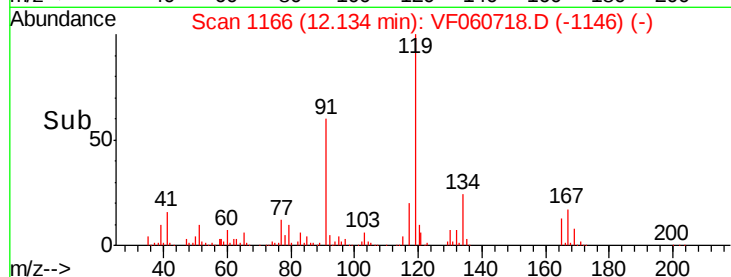
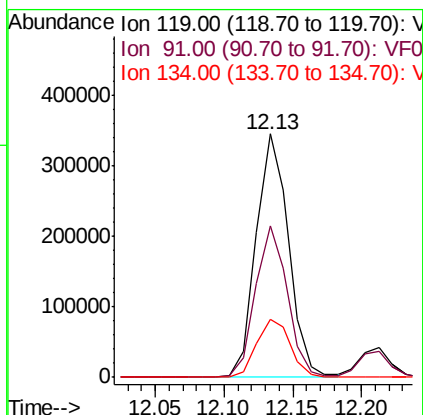
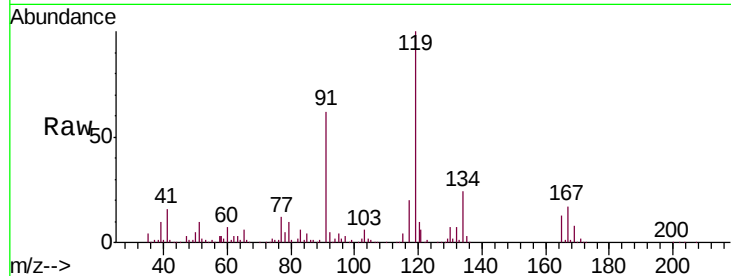




#83
 tert-Butylbenzene
 Concen: 48.782 ug/l
 RT: 12.13 min Scan# 1166
 Delta R.T. -0.01 min
 Lab File: VF060718.D
 Acq: 13 Nov 2018 20:05

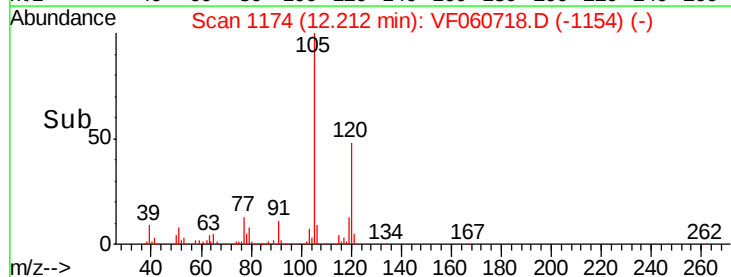
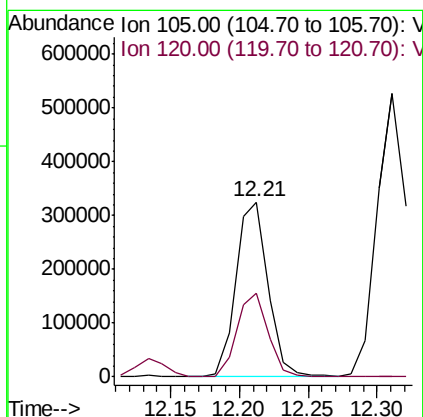
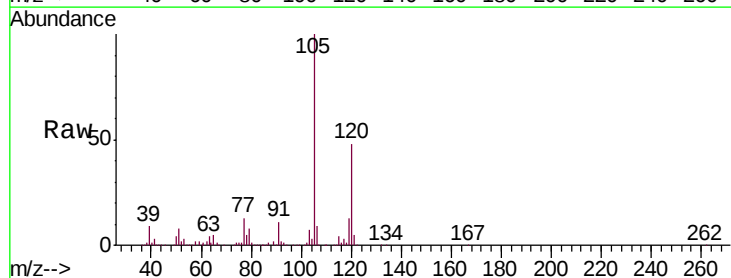
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

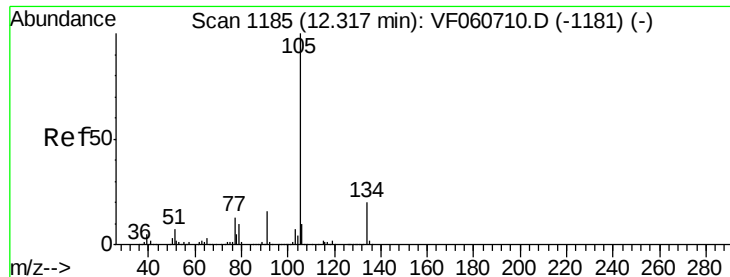
Tgt Ion:119 Resp: 568924
 Ion Ratio Lower Upper
 119 100
 91 62.0 31.4 94.3
 134 24.1 12.8 38.4



#84
 1,2,4-Trimethylbenzene
 Concen: 46.399 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VF060718.D
 Acq: 13 Nov 2018 20:05

Tgt Ion:105 Resp: 527090
 Ion Ratio Lower Upper
 105 100
 120 47.7 25.5 76.5

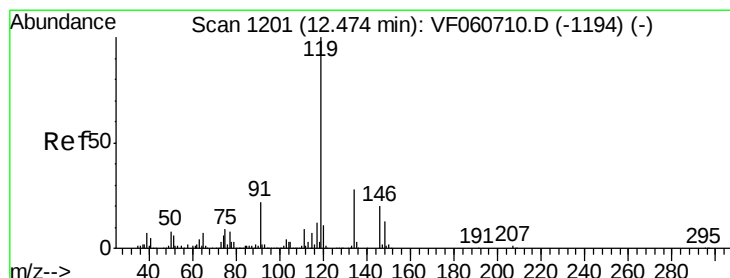
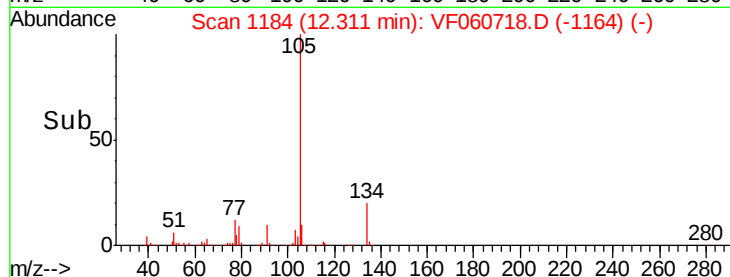
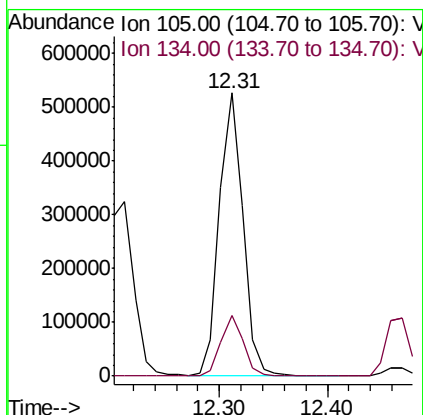
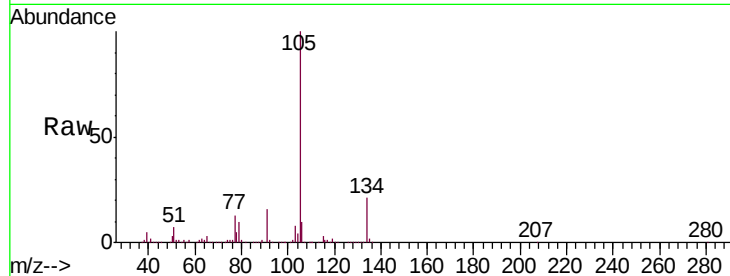




#85
 sec-Butylbenzene
 Concen: 50.744 ug/l
 RT: 12.31 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: VF060718.D
 Acq: 13 Nov 2018 20:05

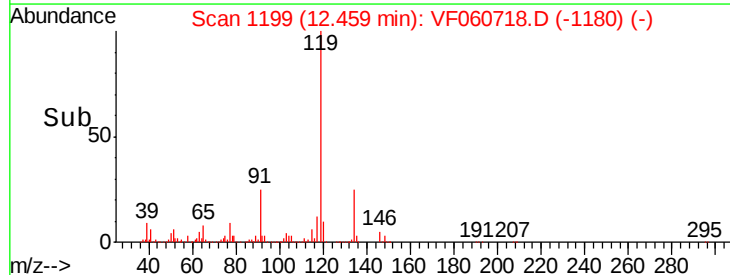
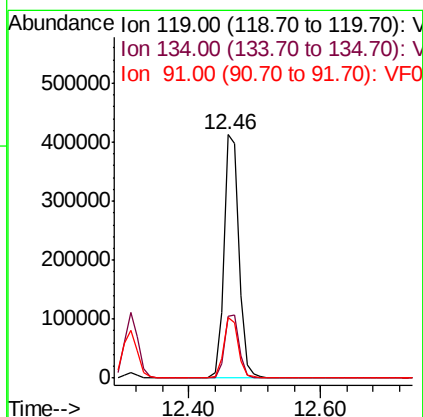
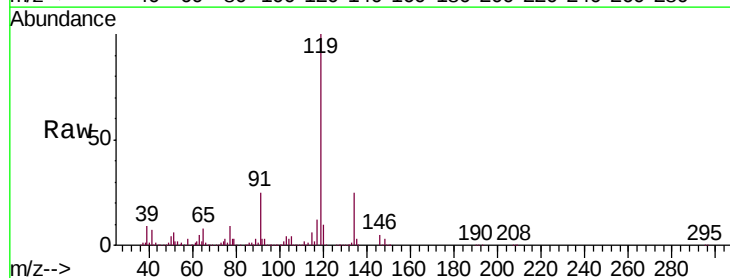
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

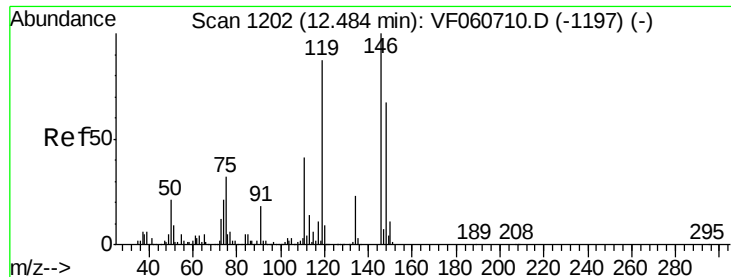
Tgt Ion:105 Resp: 802800
 Ion Ratio Lower Upper
 105 100
 134 21.3 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 49.668 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.02 min
 Lab File: VF060718.D
 Acq: 13 Nov 2018 20:05

Tgt Ion:119 Resp: 656271
 Ion Ratio Lower Upper
 119 100
 134 25.2 13.9 41.7
 91 25.1 11.3 33.9

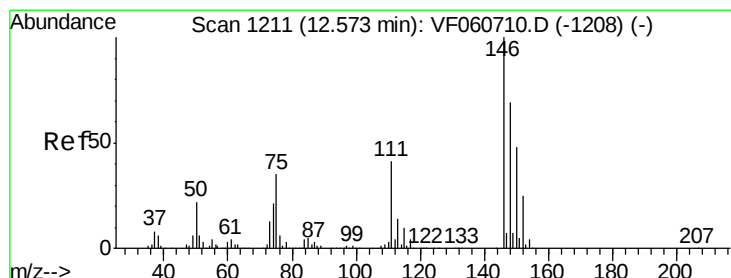
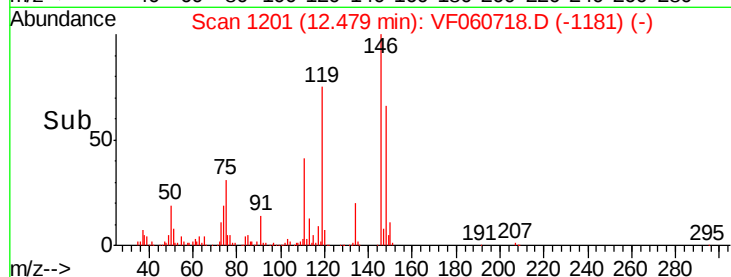
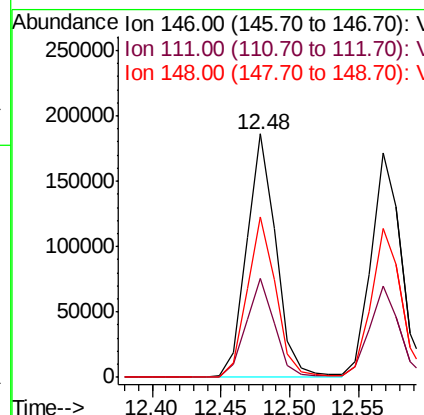
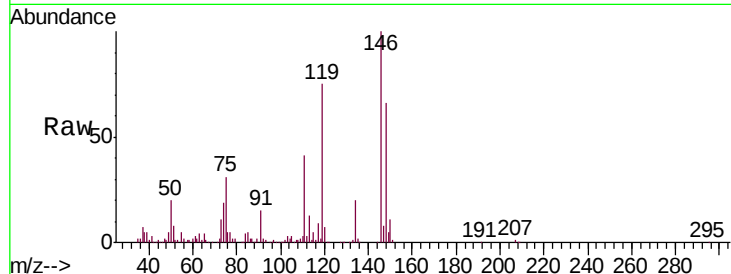




#87
 1,3-Dichlorobenzene
 Concen: 48.576 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VF060718.D
 Acq: 13 Nov 2018 20:05

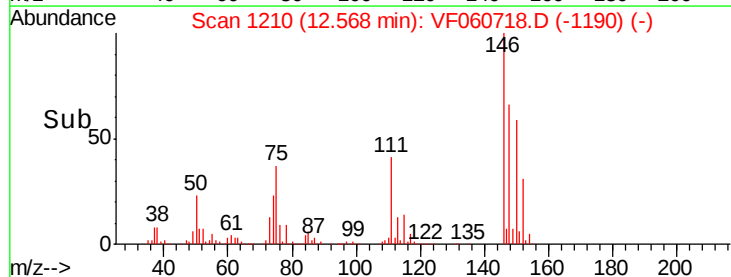
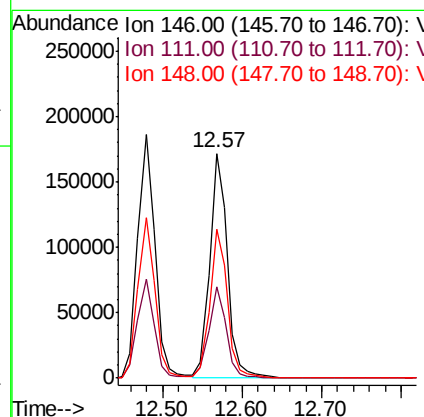
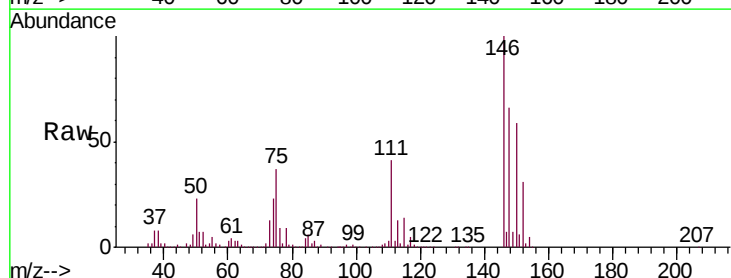
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

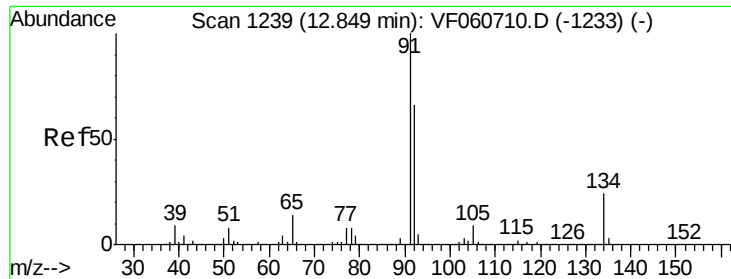
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.3	60.8
148	65.7	33.3	99.9



#88
 1,4-Dichlorobenzene
 Concen: 48.196 ug/l
 RT: 12.57 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: VF060718.D
 Acq: 13 Nov 2018 20:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.6	61.9
148	66.5	34.7	104.1

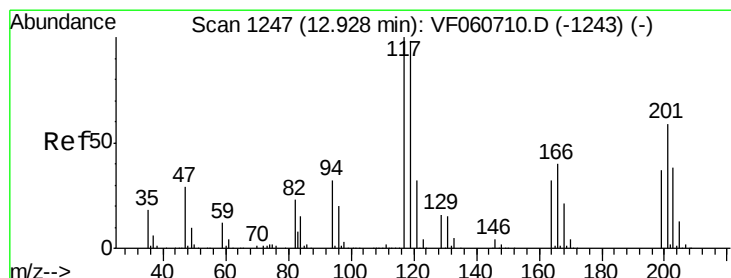
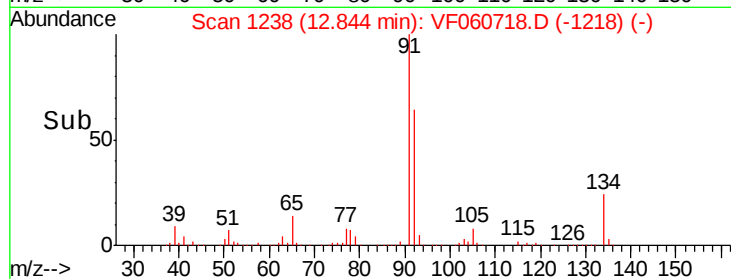
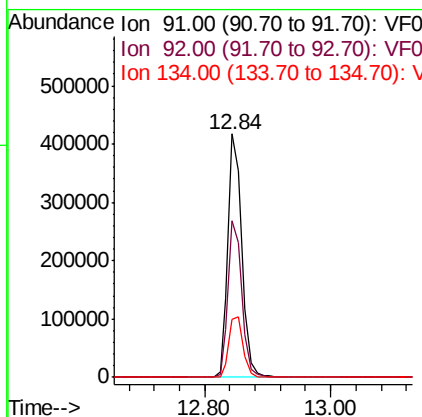
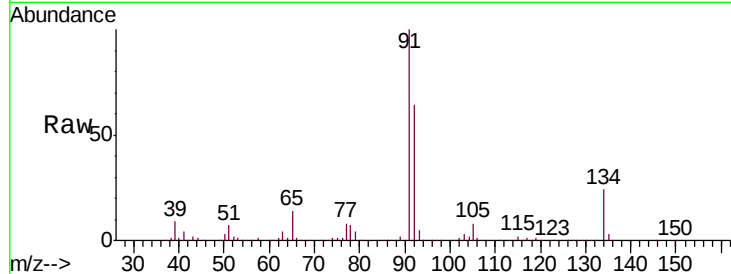




#89
n-Butylbenzene
Concen: 46.995 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.01 min
Lab File: VF060718.D
Acq: 13 Nov 2018 20:05

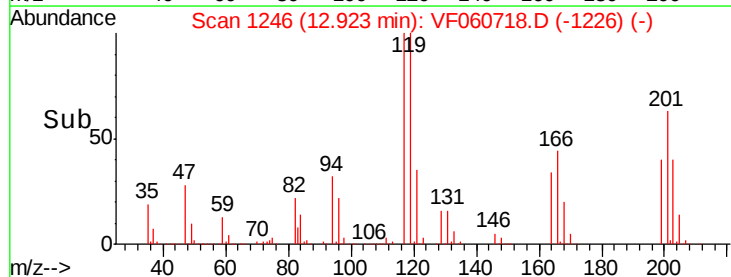
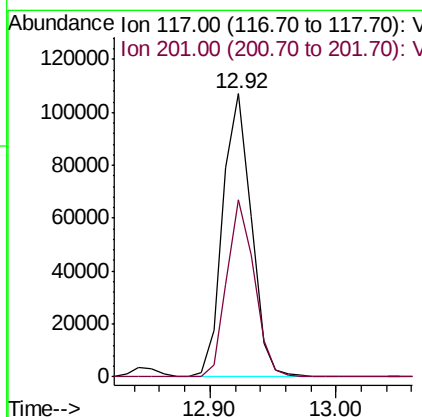
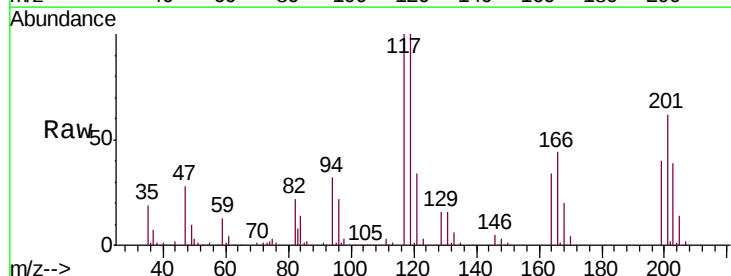
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

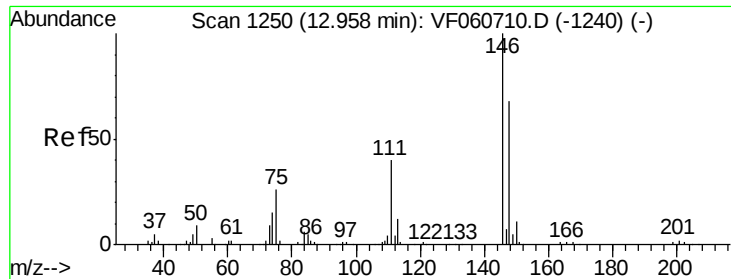
Tgt Ion: 91 Resp: 633689
Ion Ratio Lower Upper
91 100
92 64.3 33.1 99.2
134 23.9 11.9 35.9



#90
Hexachloroethane
Concen: 51.872 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. -0.01 min
Lab File: VF060718.D
Acq: 13 Nov 2018 20:05

Tgt Ion: 117 Resp: 167641
Ion Ratio Lower Upper
117 100
201 62.8 29.4 88.3

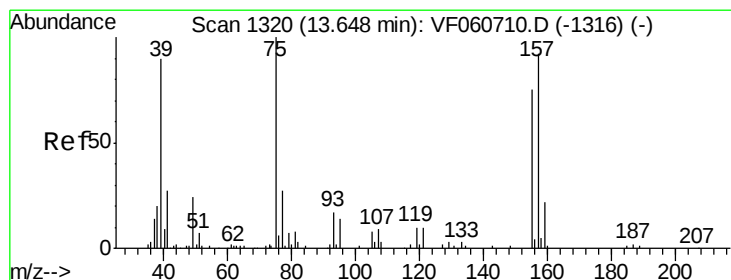
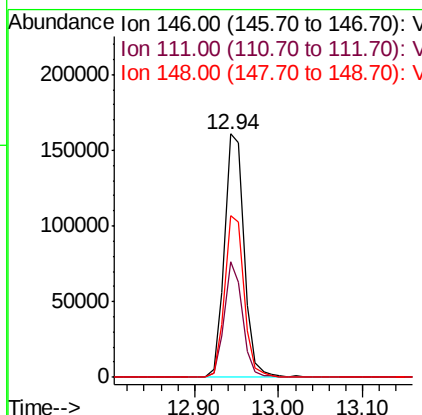
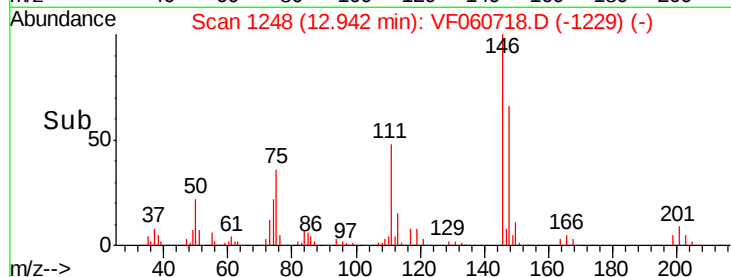
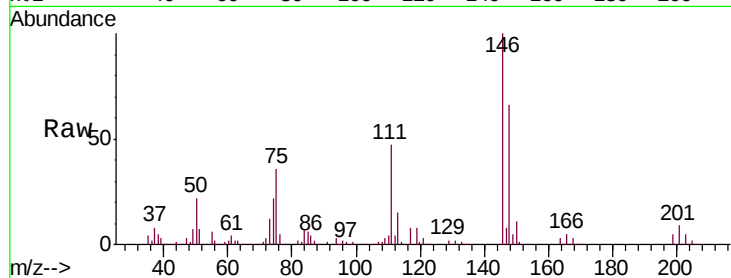




#91
 1,2-Dichlorobenzene
 Concen: 48.651 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.02 min
 Lab File: VF060718.D
 Acq: 13 Nov 2018 20:05

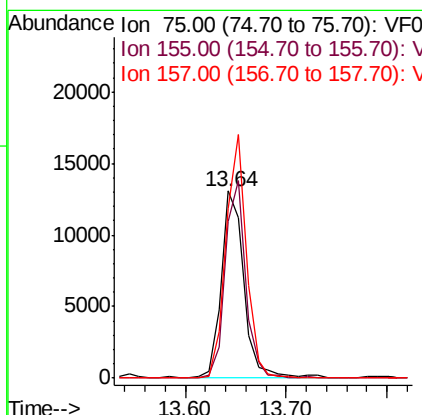
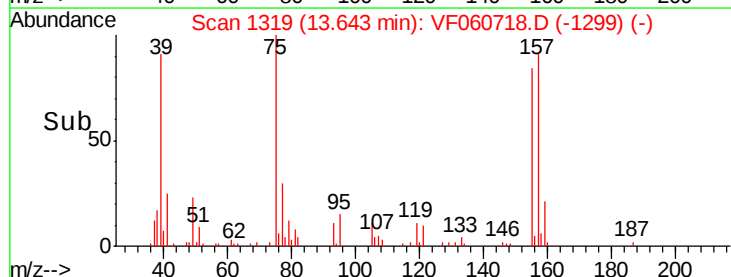
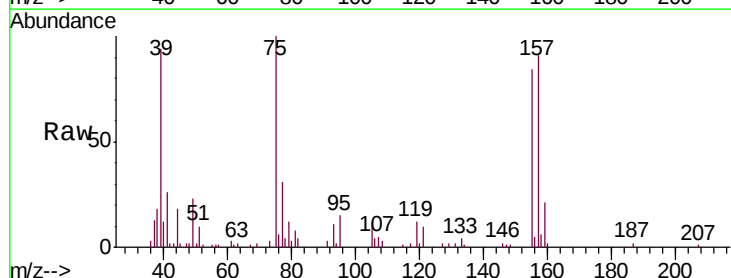
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

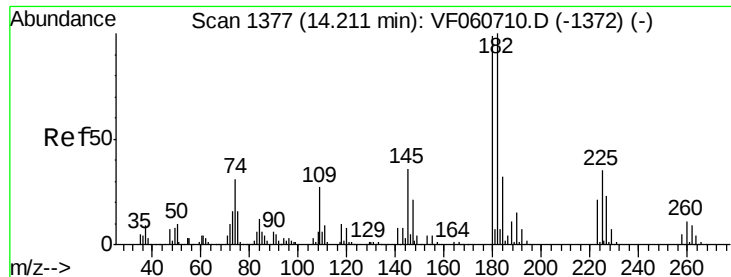
Tgt Ion:146 Resp: 262535
 Ion Ratio Lower Upper
 146 100
 111 47.5 20.3 60.8
 148 66.2 34.1 102.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.992 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: VF060718.D
 Acq: 13 Nov 2018 20:05

Tgt Ion: 75 Resp: 20633
 Ion Ratio Lower Upper
 75 100
 155 83.7 37.4 112.2
 157 91.0 46.0 138.0

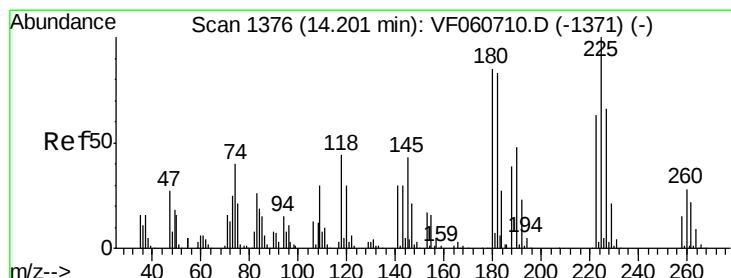
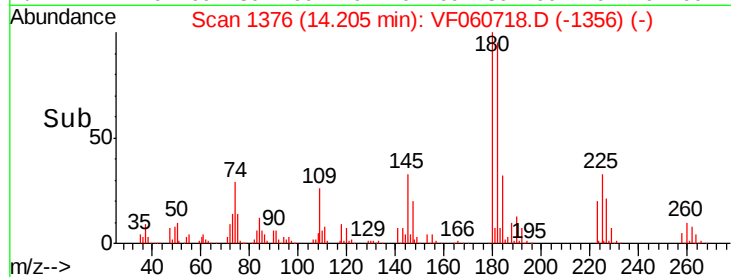
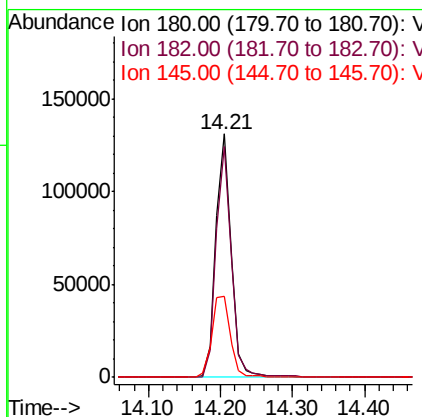
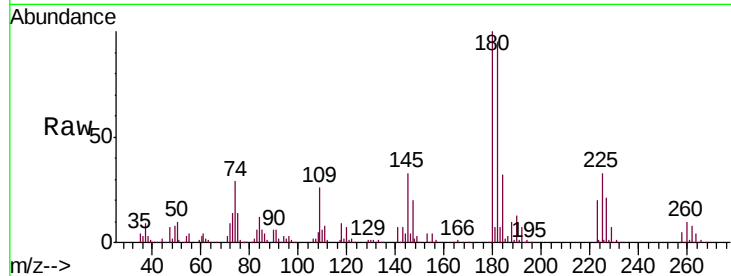




#93
 1,2,4-Trichlorobenzene
 Concen: 49.411 ug/l
 RT: 14.21 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF060718.D
 Acq: 13 Nov 2018 20:05

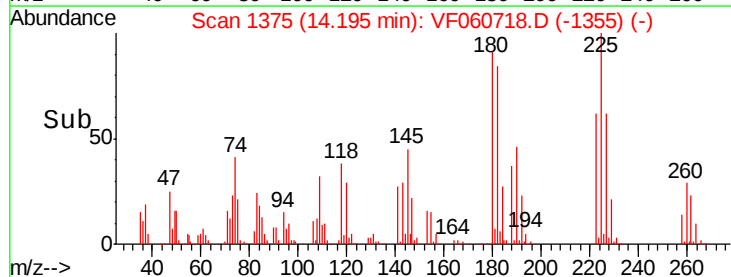
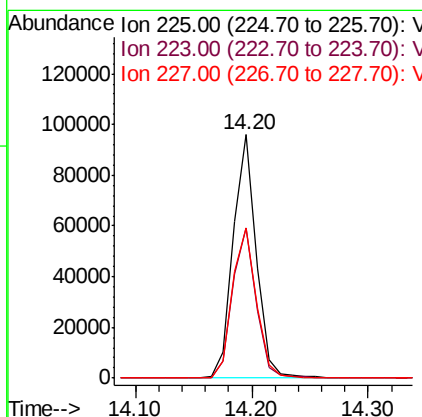
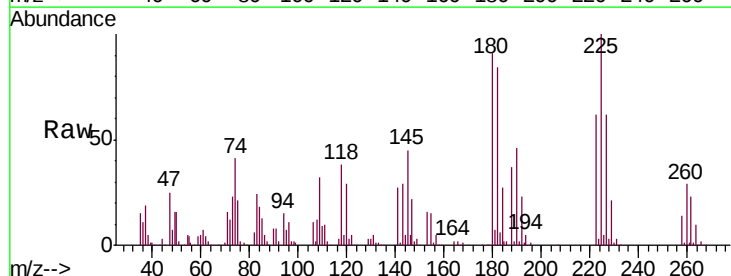
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

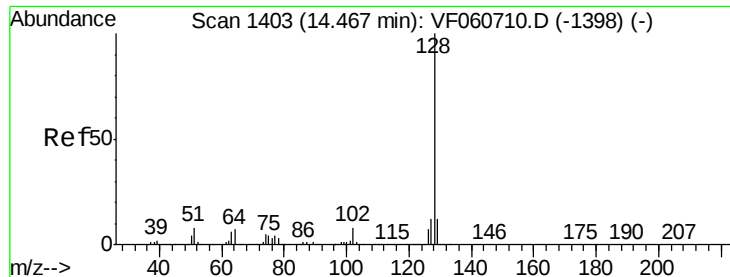
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	50.3	151.0
145	33.4	18.3	54.9



#94
 Hexachlorobutadiene
 Concen: 51.992 ug/l
 RT: 14.20 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VF060718.D
 Acq: 13 Nov 2018 20:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	31.5	94.5
227	61.6	33.0	99.0

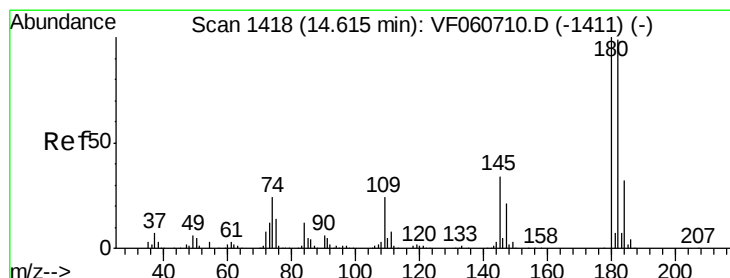
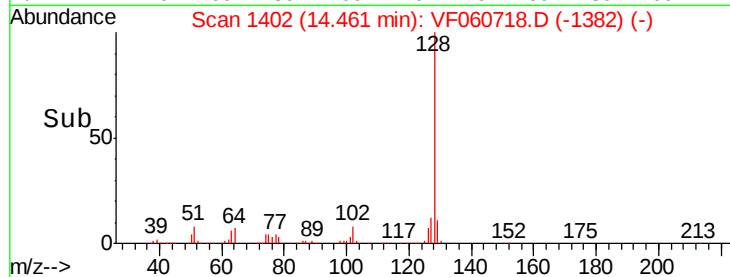
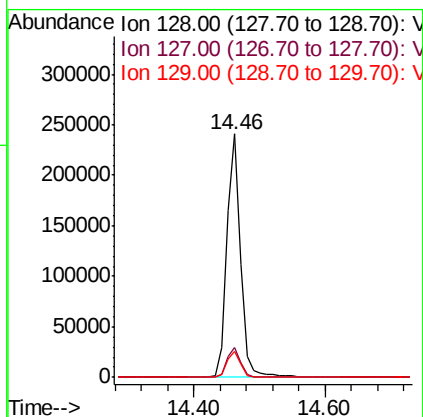
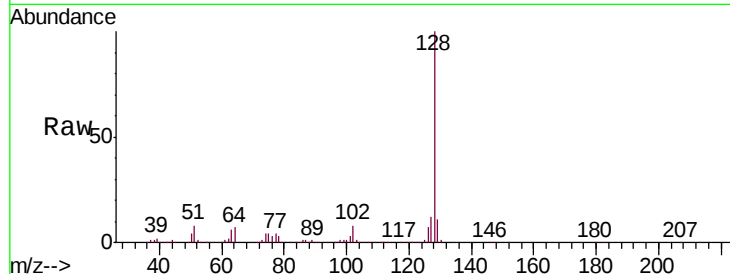




#95
Naphthalene
Concen: 49.719 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. -0.01 min
Lab File: VF060718.D
Acq: 13 Nov 2018 20:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 351867
Ion Ratio Lower Upper
128 100
127 12.2 9.8 14.6
129 10.7 9.3 13.9



#96
1,2,3-Trichlorobenzene
Concen: 52.094 ug/l
RT: 14.61 min Scan# 1417
Delta R.T. -0.01 min
Lab File: VF060718.D
Acq: 13 Nov 2018 20:05

Tgt Ion:180 Resp: 186705
Ion Ratio Lower Upper
180 100
182 97.2 49.6 149.0
145 32.4 16.9 50.7

