

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092118\
 Data File : VF060311.D
 Acq On : 21 Sep 2018 12:00
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 21 14:35:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:58:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	262791	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.75	114	426664	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	407694	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.62	152	206956	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	177569	50.18	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.36%	
35) Dibromofluoromethane	4.27	113	186596	49.06	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	98.12%	
50) Toluene-d8	7.69	98	504948	50.98	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	101.96%	
62) 4-Bromofluorobenzene	11.49	95	217469	50.79	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.58%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	194481	49.285	ug/l	94
3) Chloromethane	1.12	50	155423	43.401	ug/l	100
4) Vinyl Chloride	1.17	62	163065	44.680	ug/l	95
5) Bromomethane	1.34	94	109944	53.962	ug/l	99
6) Chloroethane	1.42	64	83968	48.309	ug/l	94
7) Trichlorofluoromethane	1.53	101	342376	50.354	ug/l	99
8) Diethyl Ether	1.70	74	55346	48.925	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	1.88	101	169883	46.980	ug/l	97
10) Methyl Iodide	1.95	142	279449	47.923	ug/l	99
11) Tert butyl alcohol	2.66	59	58794	301.131	ug/l	98
12) 1,1-Dichloroethene	1.84	96	142177	47.543	ug/l	97
13) Acrolein	2.07	56	18984	305.171	ug/l	81
14) Allyl chloride	2.18	41	260467	49.911	ug/l	98
15) Acrylonitrile	3.06	53	114493	229.094	ug/l	98
16) Acetone	2.33	43	291659	292.673	ug/l	100
17) Carbon Disulfide	1.88	76	390177	52.192	ug/l	97
18) Methyl Acetate	2.44	43	87964	52.986	ug/l	95
19) Methyl tert-butyl Ether	2.52	73	376730	50.532	ug/l	97
20) Methylene Chloride	2.27	84	143853	54.046	ug/l	96
21) trans-1,2-Dichloroethene	2.40	96	148093	47.946	ug/l	98
22) Diisopropyl ether	2.91	45	492323	50.001	ug/l	98
23) Vinyl Acetate	3.31	43	912517	235.970	ug/l	100
24) 1,1-Dichloroethane	2.99	63	309084	48.403	ug/l	99
25) 2-Butanone	4.49	43	356615	265.866	ug/l	94
26) 2,2-Dichloropropane	3.74	77	170945	46.918	ug/l	99
27) cis-1,2-Dichloroethene	3.62	96	187521	46.213	ug/l	90
28) Bromochloromethane	3.87	49	119443	48.044	ug/l	90
29) Tetrahydrofuran	4.23	42	115222	234.572	ug/l	97
30) Chloroform	4.01	83	353981	45.942	ug/l	93
31) Cyclohexane	3.85	56	232616	43.127	ug/l	97
32) 1,1,1-Trichloroethane	4.26	97	302984	49.836	ug/l	99
36) 1,1-Dichloropropene	4.44	75	264533	49.705	ug/l	96
37) Ethyl Acetate	4.26	43	103621	46.015	ug/l	85
38) Carbon Tetrachloride	4.15	117	335751	58.734	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF092118\
 Data File : VF060311.D
 Acq On : 21 Sep 2018 12:00
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 21 14:35:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:58:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	278343	48.256	ug/l	96
40) Benzene	4.79	78	581643	48.199	ug/l	99
41) Methacrylonitrile	4.90	41	59310	48.538	ug/l	97
42) 1,2-Dichloroethane	5.10	62	235658	53.054	ug/l	98
43) Isopropyl Acetate	7.09	43	139902	51.606	ug/l #	87
44) Trichloroethene	5.65	130	176519	49.150	ug/l	100
45) 1,2-Dichloropropane	6.38	63	158231	50.664	ug/l	99
46) Dibromomethane	6.23	93	112552	50.416	ug/l	85
47) Bromodichloromethane	6.53	83	272004	50.701	ug/l	99
48) Methyl methacrylate	6.85	41	99002	52.023	ug/l	95
49) 1,4-Dioxane	6.84	88	17683	1040.080	ug/l	95
51) 4-Methyl-2-Pentanone	8.39	43	645296	308.834	ug/l	98
52) Toluene	7.76	92	376775	49.353	ug/l	97
53) t-1,3-Dichloropropene	8.41	75	217321	50.219	ug/l	98
54) cis-1,3-Dichloropropene	7.43	75	281859	51.702	ug/l	98
55) 1,1,2-Trichloroethane	8.62	97	116358	50.217	ug/l	95
56) Ethyl methacrylate	8.74	69	154099	55.067	ug/l	96
57) 1,3-Dichloropropane	8.98	76	205889	53.665	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.76	63	63726	257.595	ug/l	100
59) 2-Hexanone	9.61	43	484758	325.841	ug/l	96
60) Dibromochloromethane	8.84	129	177987	51.538	ug/l	98
61) 1,2-Dibromoethane	9.12	107	135193	52.396	ug/l	98
64) Tetrachloroethene	8.29	164	156741	42.410	ug/l	97
65) Chlorobenzene	9.92	112	429379	46.469	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	177586	46.311	ug/l	97
67) Ethyl Benzene	10.03	91	766040	44.838	ug/l	98
68) m/p-Xylenes	10.25	106	534344	90.528	ug/l	95
69) o-Xylene	10.81	106	302535	45.697	ug/l	100
70) Styrene	10.88	104	438823	47.000	ug/l	96
71) Bromoform	10.87	173	101145	48.027	ug/l #	92
73) Isopropylbenzene	11.22	105	860592	46.321	ug/l	98
74) N-amyl acetate	11.46	43	226440	57.155	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.77	83	163861	49.766	ug/l	95
76) 1,2,3-Trichloropropane	11.87	75	116575	49.447	ug/l	84
77) Bromobenzene	11.58	156	179730	44.888	ug/l	98
78) n-propylbenzene	11.67	91	1041595	58.268	ug/l	99
79) 2-Chlorotoluene	11.80	91	600260	47.896	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	695283	46.490	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	79198	63.567	ug/l	95
82) 4-Chlorotoluene	11.98	91	601032	47.714	ug/l	99
83) tert-Butylbenzene	12.20	119	738400	48.705	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	725150	47.750	ug/l	98
85) sec-Butylbenzene	12.37	105	972064	56.082	ug/l	95
86) p-Isopropyltoluene	12.53	119	815511	59.291	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	361805	48.356	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	348298	47.097	ug/l	99
89) n-Butylbenzene	12.90	91	858756	55.424	ug/l	99
90) Hexachloroethane	12.98	117	206577	48.694	ug/l	99
91) 1,2-Dichlorobenzene	13.01	146	337536	47.291	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.70	75	29693	48.032	ug/l	92

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF092118\
Data File : VF060311.D
Acq On : 21 Sep 2018 12:00
Operator : VA/AP
Sample : VSTDCCC050
Misc : 5.00/5mL/MSVOA F/SOIL
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Quant Time: Sep 21 14:35:52 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 20 02:58:42 2018
Response via : Initial Calibration

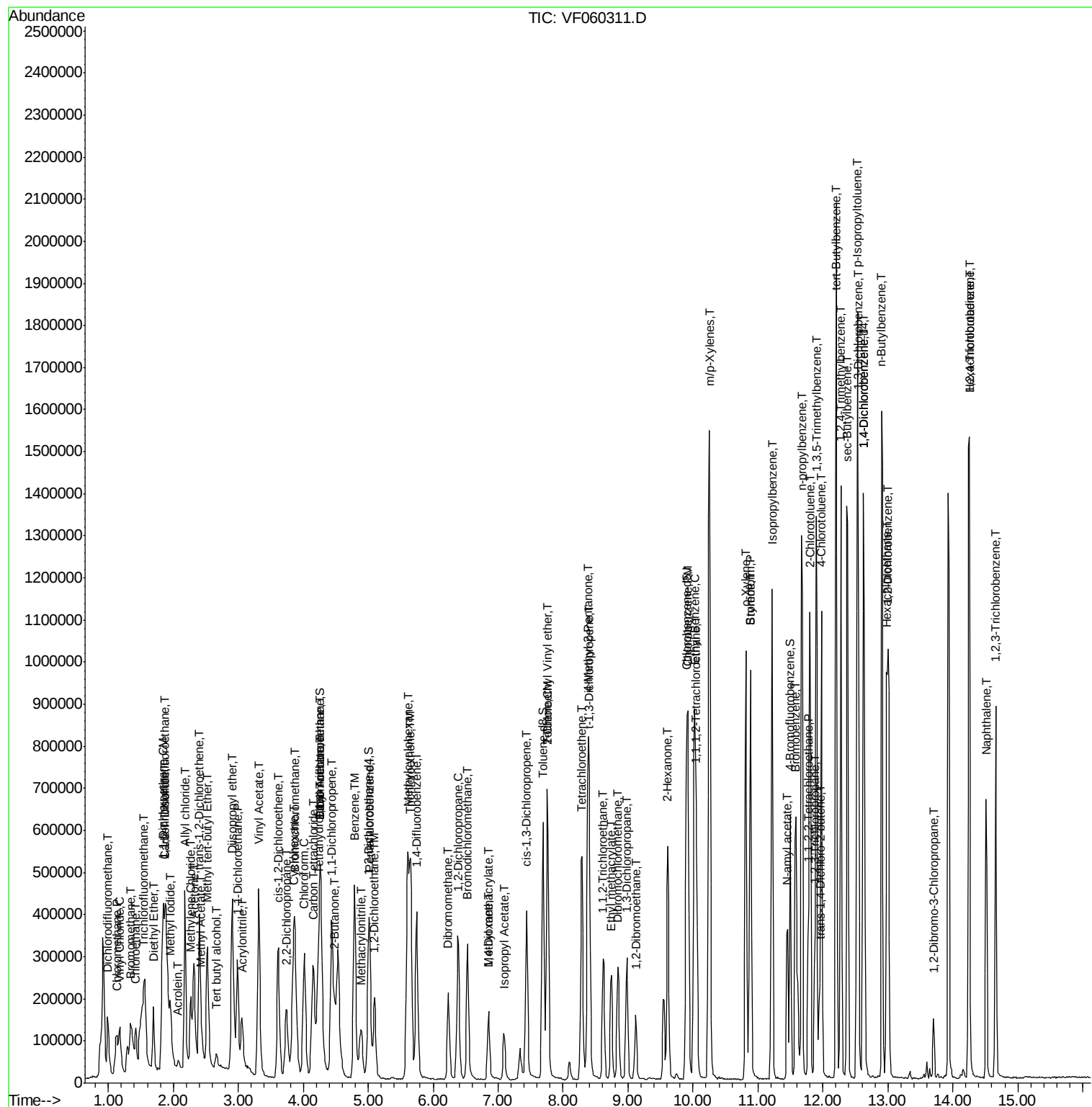
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	244623	47.154	ug/l	95
94) Hexachlorobutadiene	14.24	225	164237	46.832	ug/l	98
95) Naphthalene	14.51	128	468913	51.555	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	238398	49.732	ug/l	98

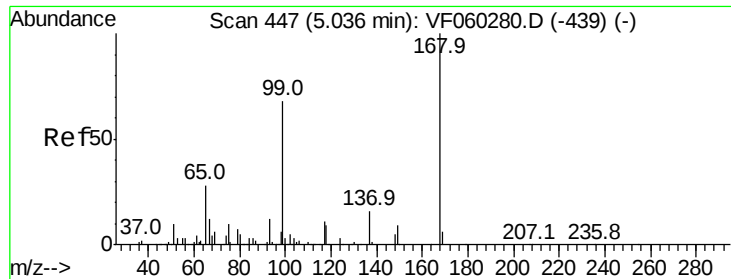
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF092118\
 Data File : VF060311.D
 Acq On : 21 Sep 2018 12:00
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Sep 21 14:35:52 2018
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F091918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 20 02:58:42 2018
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 445

Delta R.T. -0.02 min

Lab File: VF060311.D

Acq: 21 Sep 2018 12:00

Instrument :

MSVOA_F

ClientSampleId :

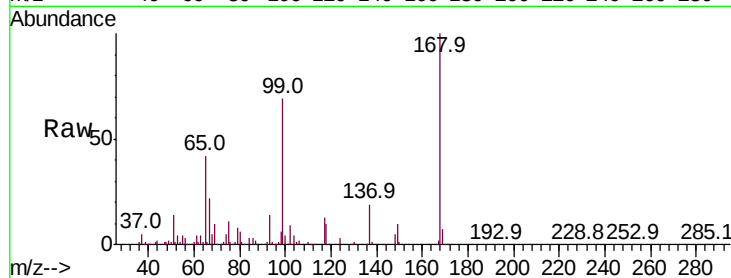
VSTDCCC050

Tot Ion:168 Resp: 262791

Ion Ratio Lower Upper

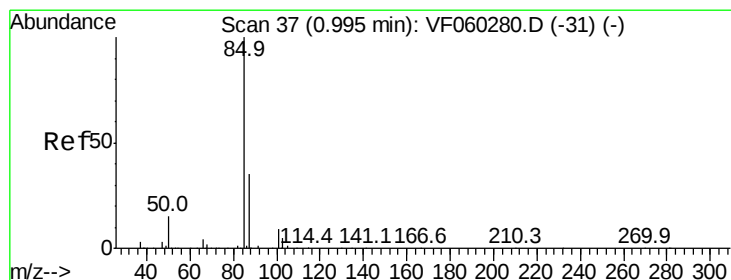
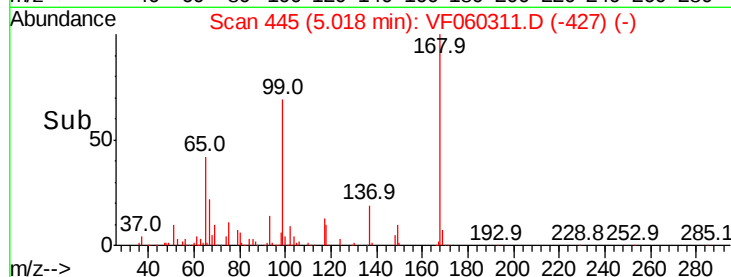
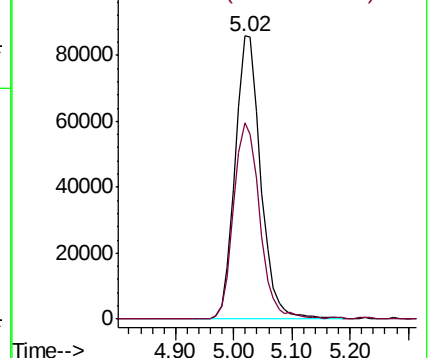
168 100

99 69.3 54.8 82.2



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 49.285 ug/l

RT: 0.99 min Scan# 36

Delta R.T. -0.01 min

Lab File: VF060311.D

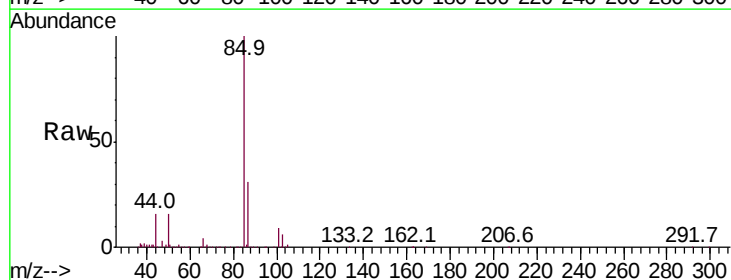
Acq: 21 Sep 2018 12:00

Tgt Ion: 85 Resp: 194481

Ion Ratio Lower Upper

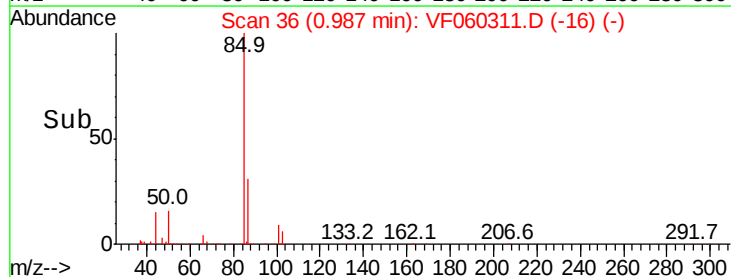
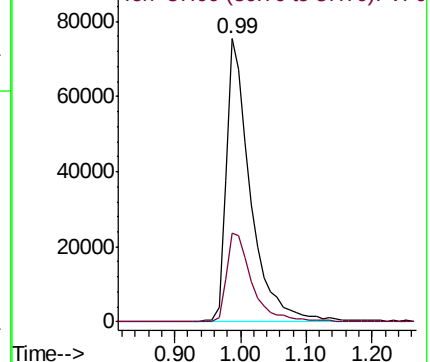
85 100

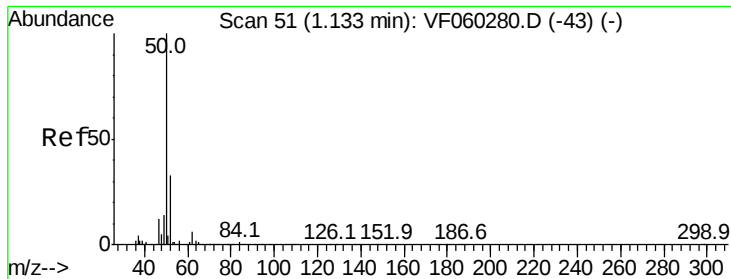
87 31.3 17.3 52.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 43.401 ug/l

RT: 1.12 min Scan# 50

Delta R.T. -0.01 min

Lab File: VF060311.D

Acq: 21 Sep 2018 12:00

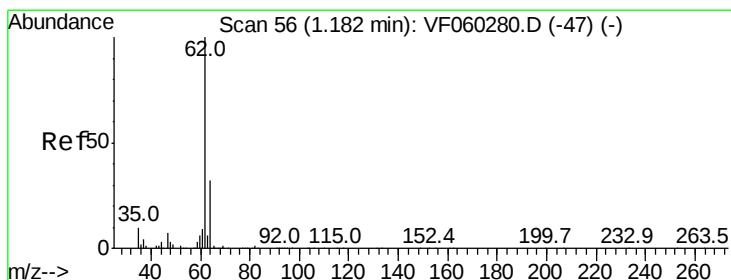
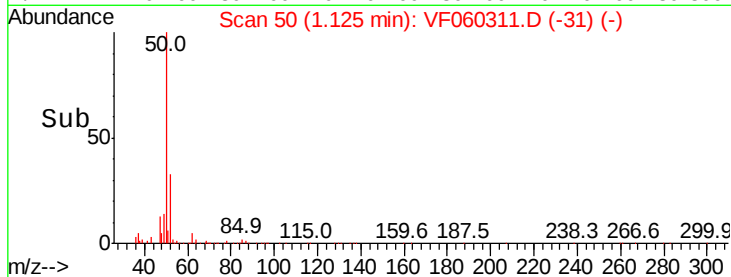
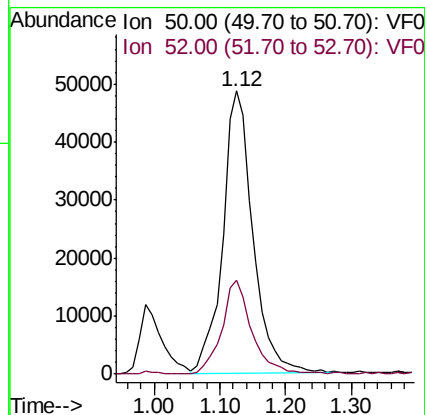
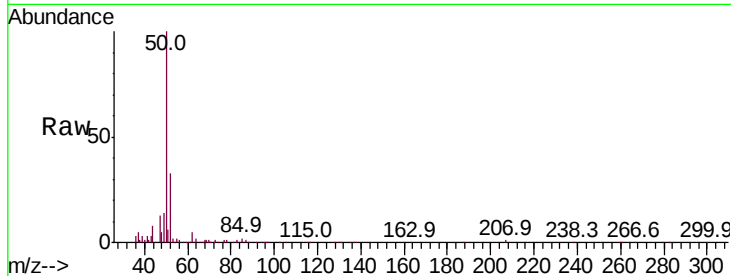
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 50 Resp: 155423

Ion Ratio Lower Upper

50 100

52 33.2 26.5 39.7



#4

Vinyl Chloride

Concen: 44.680 ug/l

RT: 1.17 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF060311.D

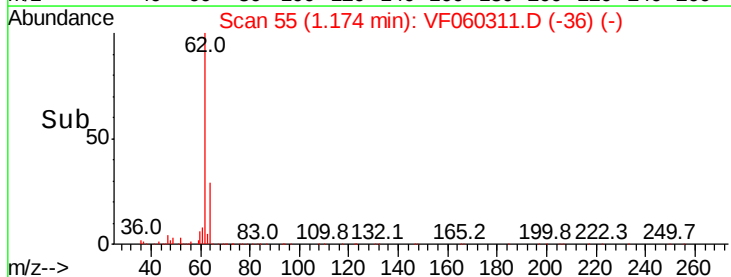
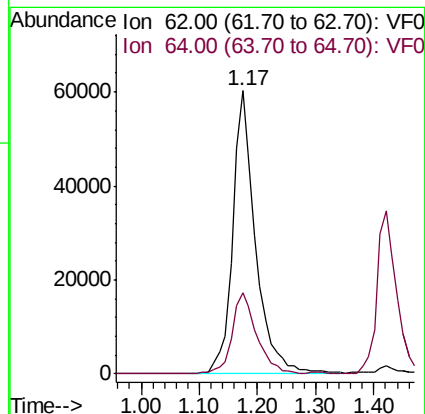
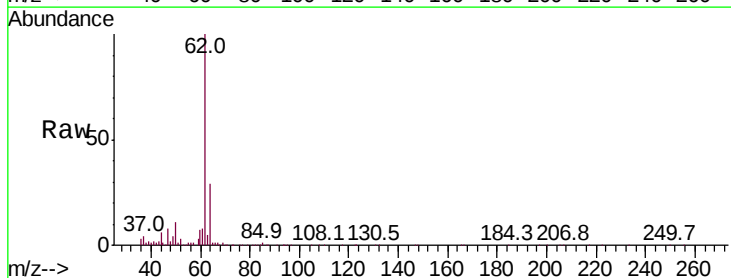
Acq: 21 Sep 2018 12:00

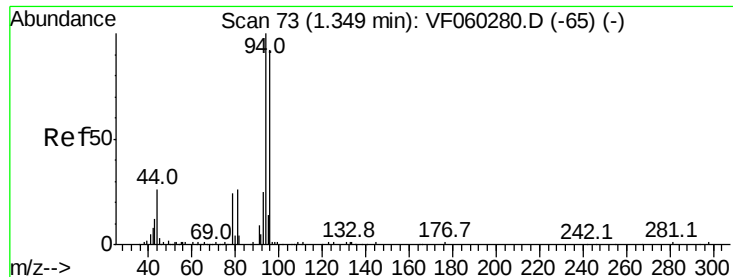
Tgt Ion: 62 Resp: 163065

Ion Ratio Lower Upper

62 100

64 28.8 25.2 37.8





#5

Bromomethane

Concen: 53.962 ug/l

RT: 1.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VF060311.D

Acq: 21 Sep 2018 12:00

Instrument :

MSVOA_F

ClientSampleId :

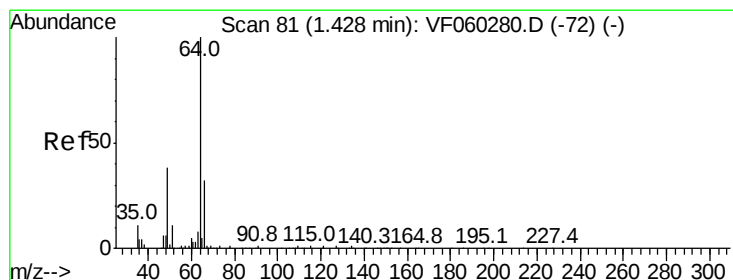
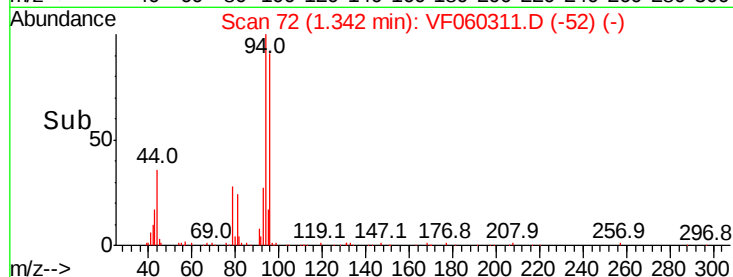
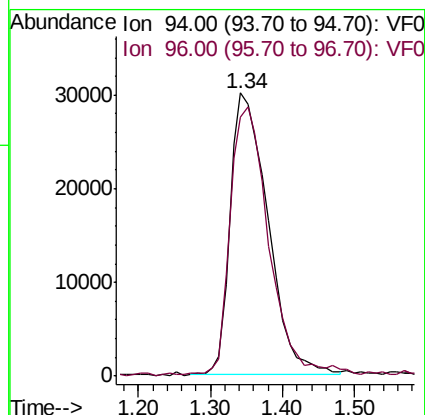
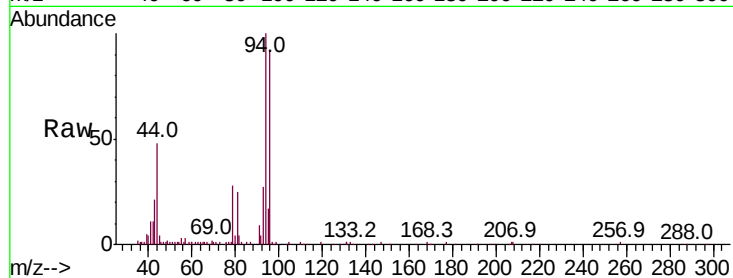
VSTDCCC050

Tot Ion: 94 Resp: 109944

Ion Ratio Lower Upper

94 100

96 91.7 73.9 110.9



#6

Chloroethane

Concen: 48.309 ug/l

RT: 1.42 min Scan# 80

Delta R.T. -0.01 min

Lab File: VF060311.D

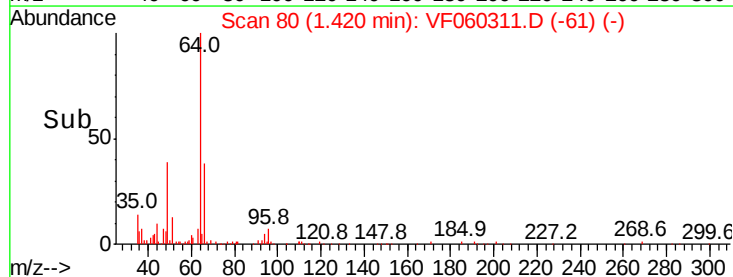
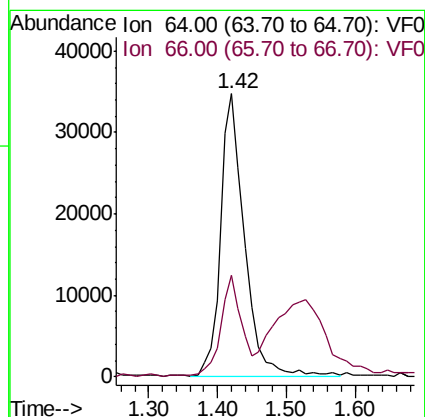
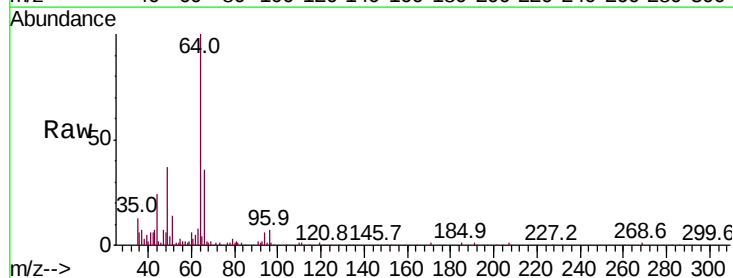
Acq: 21 Sep 2018 12:00

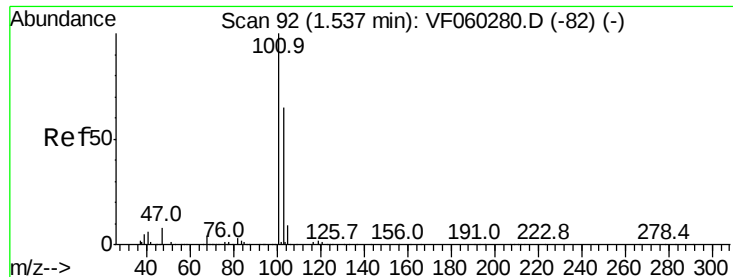
Tgt Ion: 64 Resp: 83968

Ion Ratio Lower Upper

64 100

66 36.0 26.2 39.2





#7

Trichlorofluoromethane

Concen: 50.354 ug/l

RT: 1.53 min Scan# 91

Delta R.T. -0.01 min

Lab File: VF060311.D

Acq: 21 Sep 2018 12:00

Instrument :

MSVOA_F

ClientSampleId :

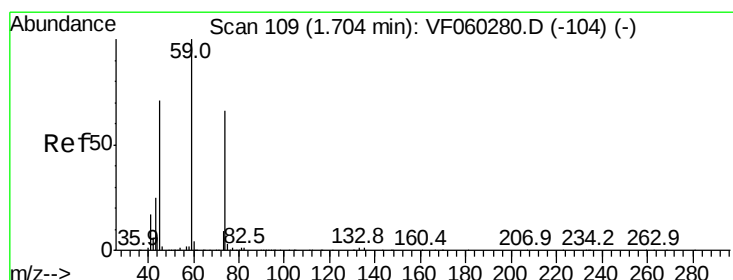
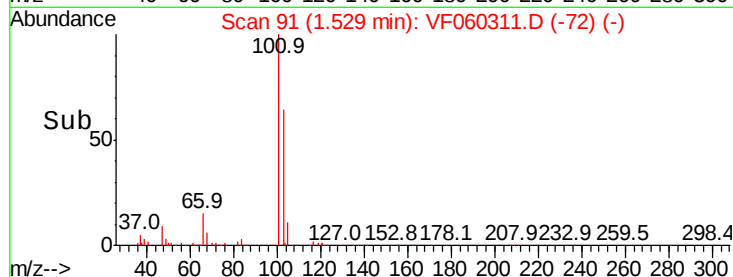
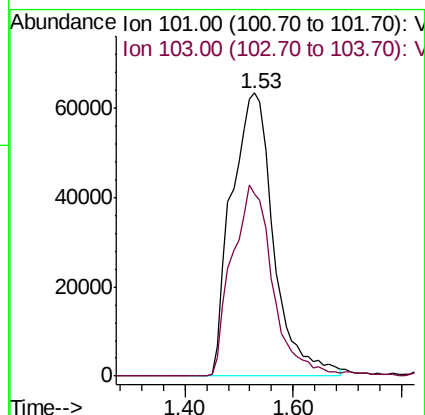
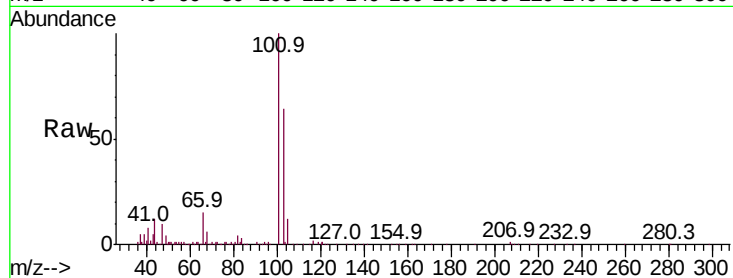
VSTDCCC050

Tot Ion:101 Resp: 342376

Ion Ratio Lower Upper

101 100

103 64.4 52.0 78.0



#8

Diethyl Ether

Concen: 48.925 ug/l

RT: 1.70 min Scan# 108

Delta R.T. -0.01 min

Lab File: VF060311.D

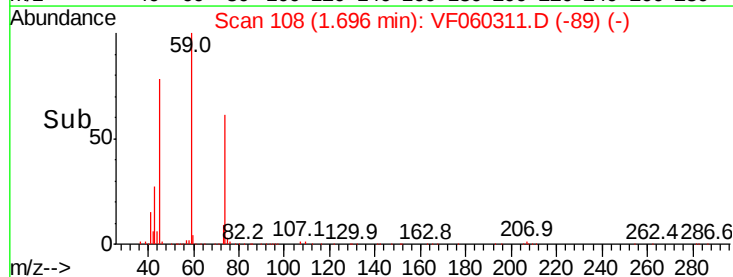
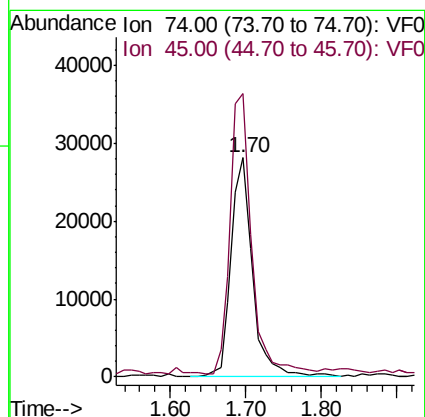
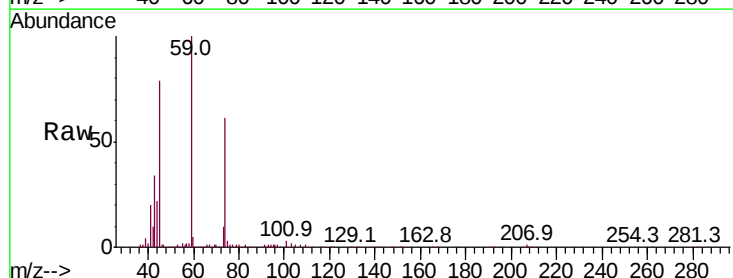
Acq: 21 Sep 2018 12:00

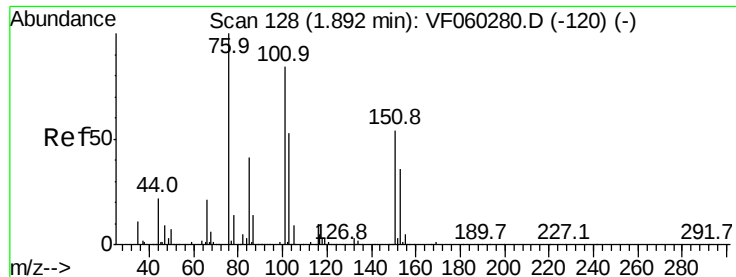
Tgt Ion: 74 Resp: 55346

Ion Ratio Lower Upper

74 100

45 129.3 53.9 161.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.980 ug/l

RT: 1.88 min Scan# 127

Delta R.T. -0.01 min

Lab File: VF060311.D

Acq: 21 Sep 2018 12:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

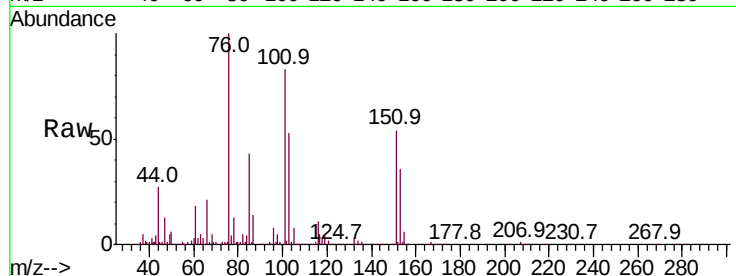
Tot Ion:101 Resp: 169883

Ion Ratio Lower Upper

101 100

85 51.8 38.7 58.1

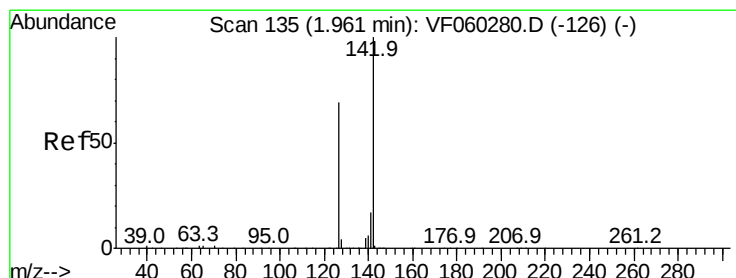
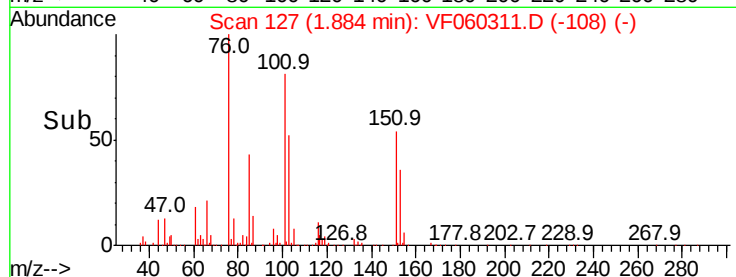
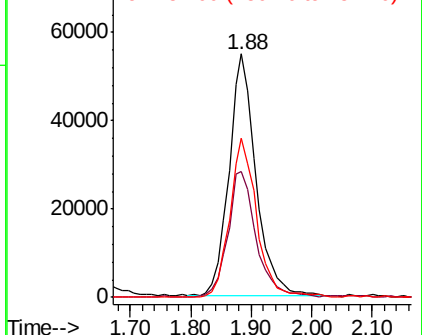
151 65.1 50.8 76.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 47.923 ug/l

RT: 1.95 min Scan# 134

Delta R.T. -0.01 min

Lab File: VF060311.D

Acq: 21 Sep 2018 12:00

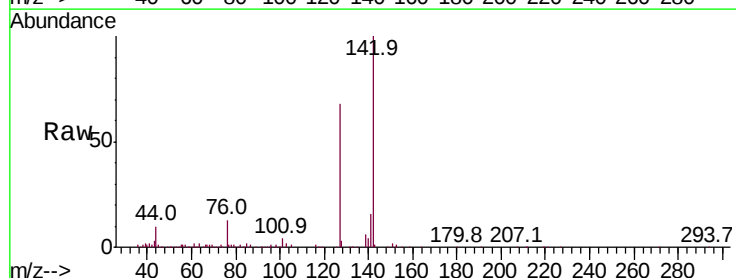
Tgt Ion:142 Resp: 279449

Ion Ratio Lower Upper

142 100

127 68.2 55.4 83.0

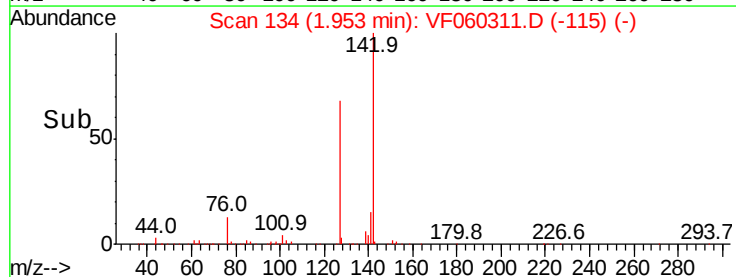
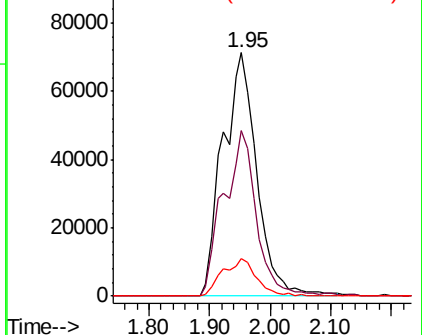
141 15.6 13.3 19.9

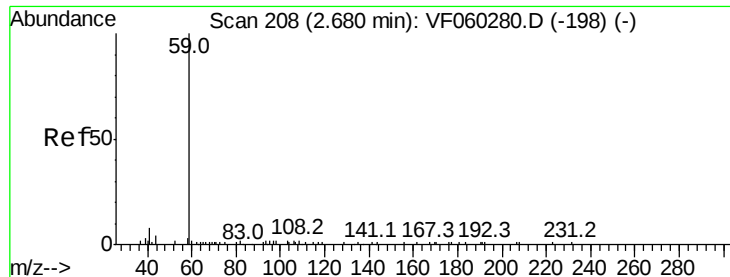


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



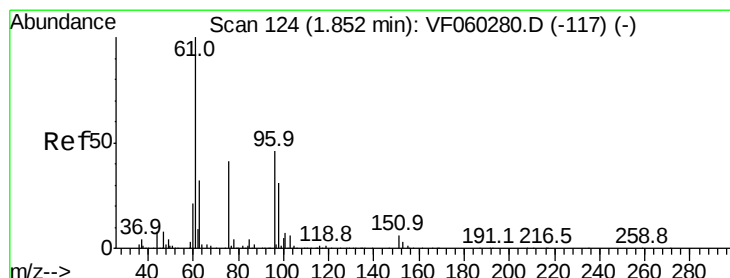
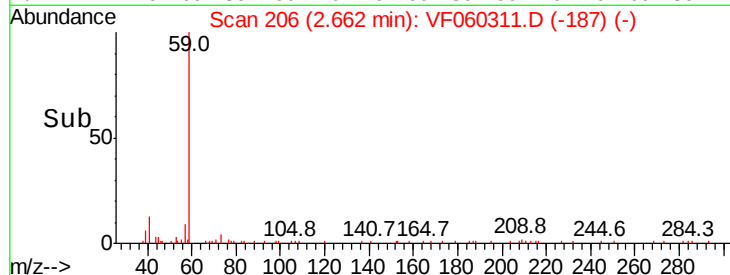
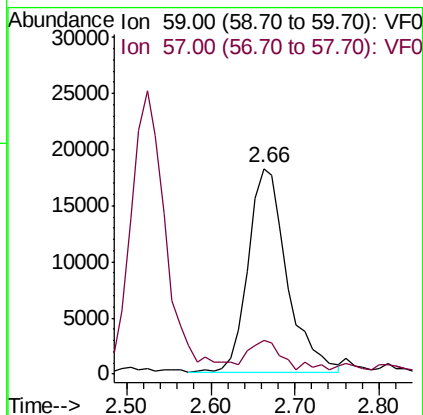
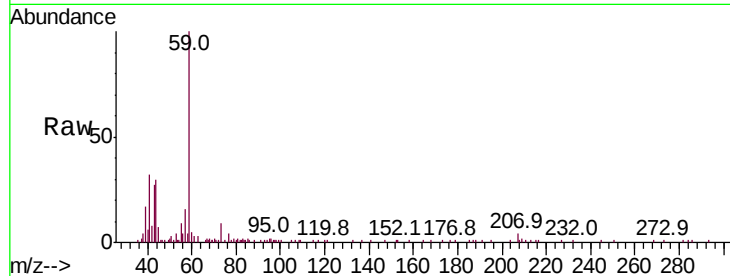


#11

Tert butyl alcohol
Concen: 301.131 ug/l
RT: 2.66 min Scan# 206
Delta R.T. -0.02 min
Lab File: VF060311.D
Acq: 21 Sep 2018 12:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

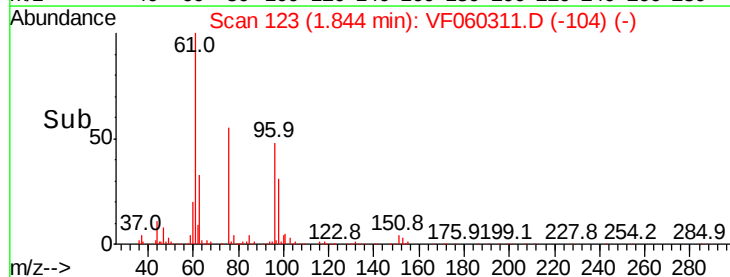
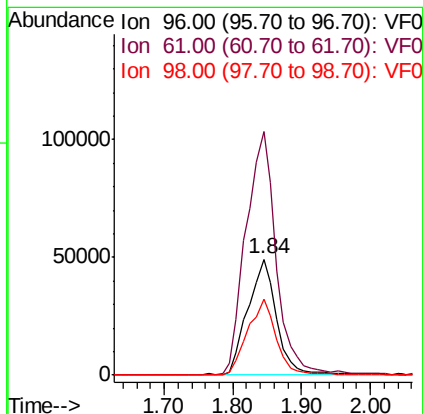
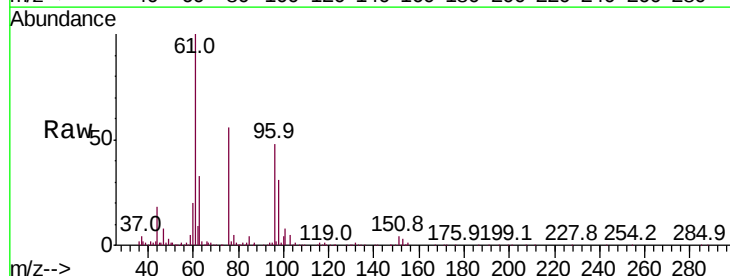
Tot Ion: 59 Resp: 58794
Ion Ratio Lower Upper
59 100
57 16.2 12.4 18.6

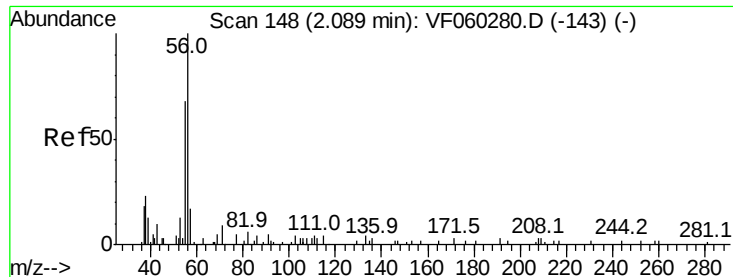


#12

1,1-Dichloroethene
Concen: 47.543 ug/l
RT: 1.84 min Scan# 123
Delta R.T. -0.01 min
Lab File: VF060311.D
Acq: 21 Sep 2018 12:00

Tgt Ion: 96 Resp: 142177
Ion Ratio Lower Upper
96 100
61 210.3 172.2 258.2
98 66.0 54.1 81.1

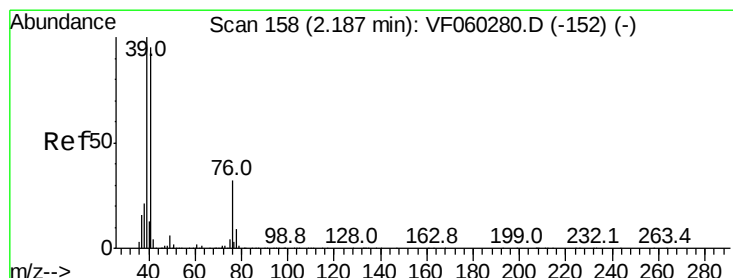
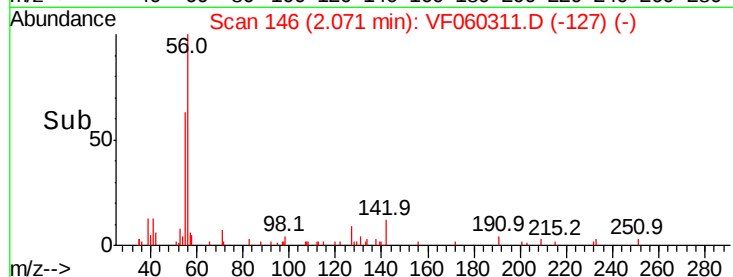
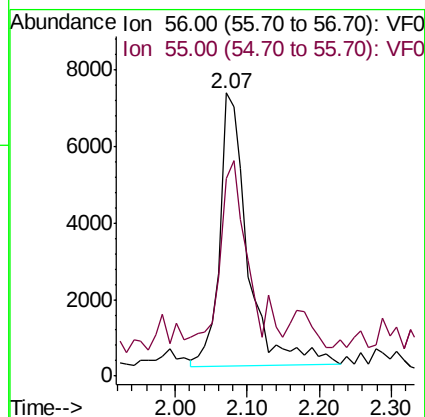
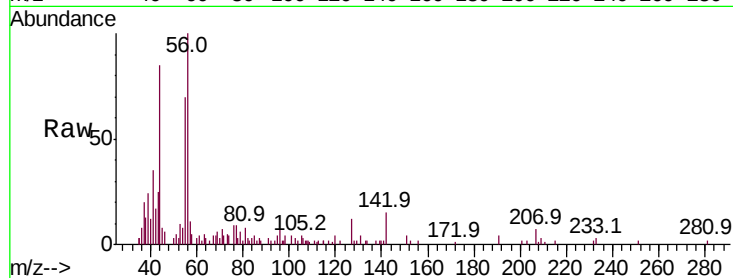




#13
Acrolein
Concen: 305.171 ug/l
RT: 2.07 min Scan# 146
Delta R.T. -0.02 min
Lab File: VF060311.D
Acq: 21 Sep 2018 12:00

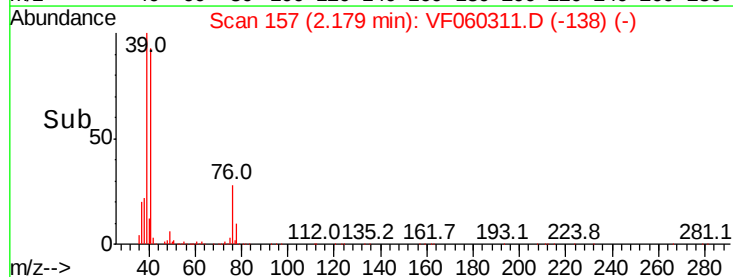
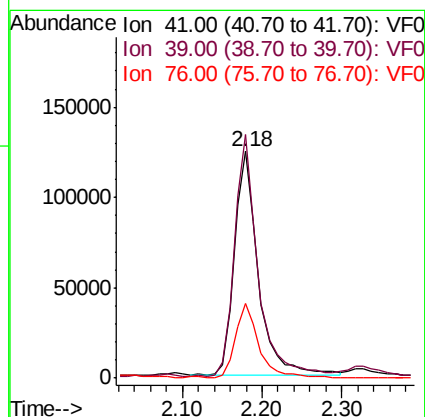
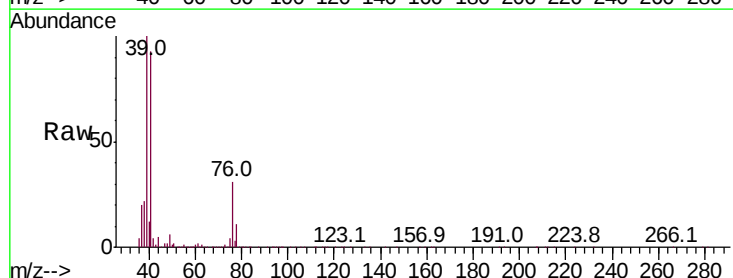
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

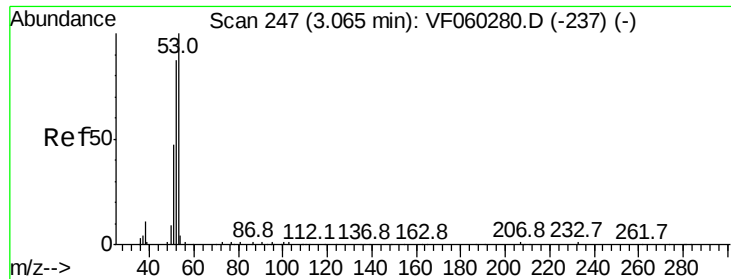
Tot Ion: 56 Resp: 18984
Ion Ratio Lower Upper
56 100
55 70.0 69.9 104.9



#14
Allyl chloride
Concen: 49.911 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF060311.D
Acq: 21 Sep 2018 12:00

Tgt Ion: 41 Resp: 260467
Ion Ratio Lower Upper
41 100
39 107.3 84.8 127.2
76 32.8 27.4 41.2





#15

Acrylonitrile

Concen: 229.094 ug/l

RT: 3.06 min Scan# 246

Delta R.T. -0.01 min

Lab File: VF060311.D

Acq: 21 Sep 2018 12:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

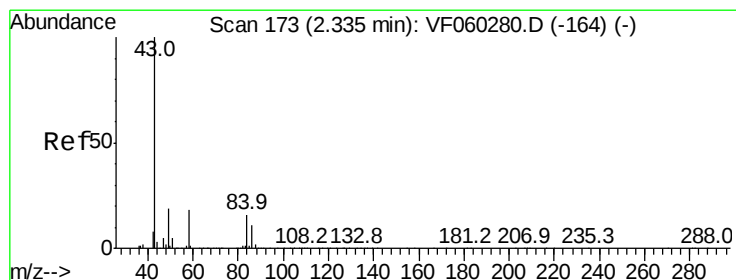
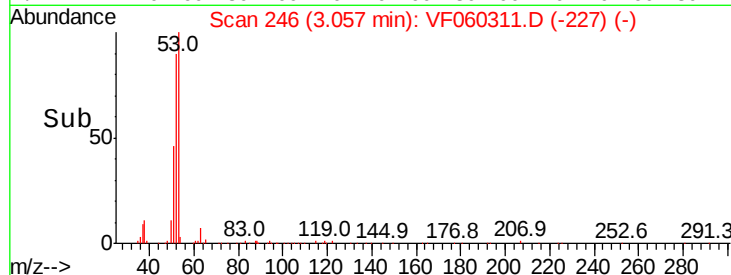
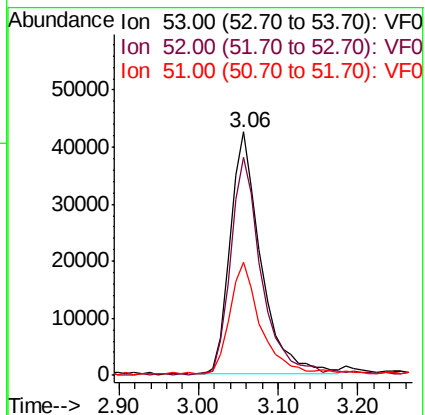
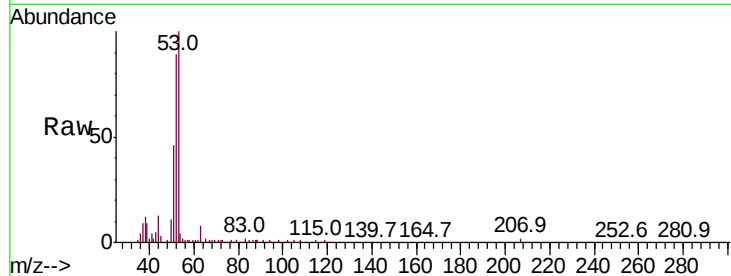
Tot Ion: 53 Resp: 114493

Ion Ratio Lower Upper

53 100

52 89.4 69.5 104.3

51 46.2 38.1 57.1



#16

Acetone

Concen: 292.673 ug/l

RT: 2.33 min Scan# 172

Delta R.T. -0.01 min

Lab File: VF060311.D

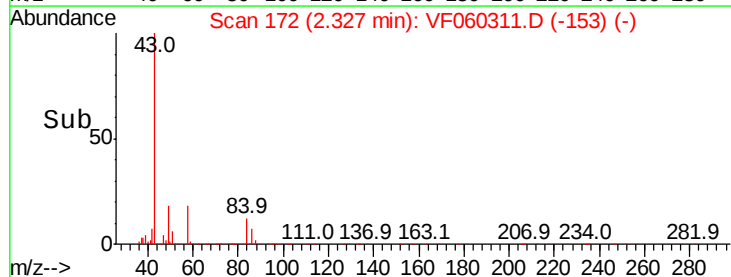
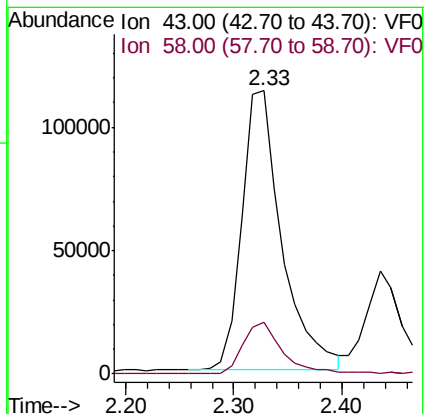
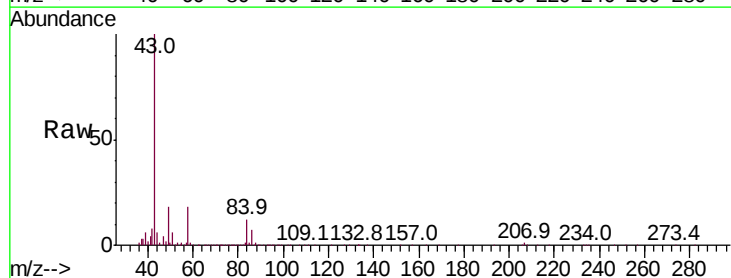
Acq: 21 Sep 2018 12:00

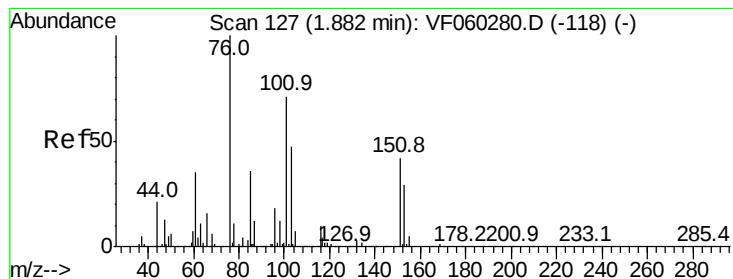
Tgt Ion: 43 Resp: 291659

Ion Ratio Lower Upper

43 100

58 18.1 14.5 21.7





#17

Carbon Disulfide

Concen: 52.192 ug/l

RT: 1.88 min Scan# 127

Delta R.T. 0.00 min

Lab File: VF060311.D

Acq: 21 Sep 2018 12:00

Instrument :

MSVOA_F

ClientSampleId :

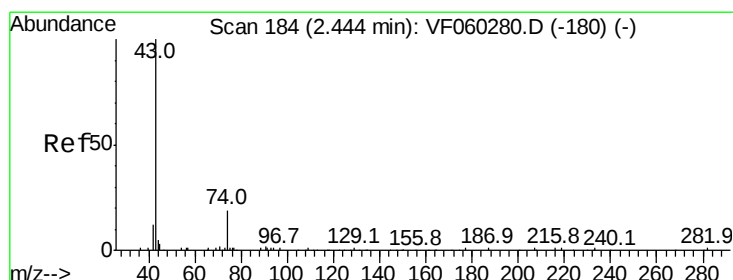
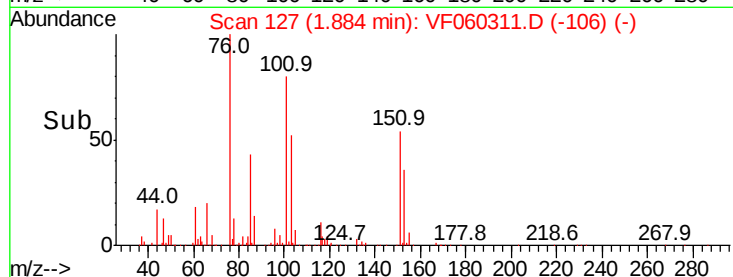
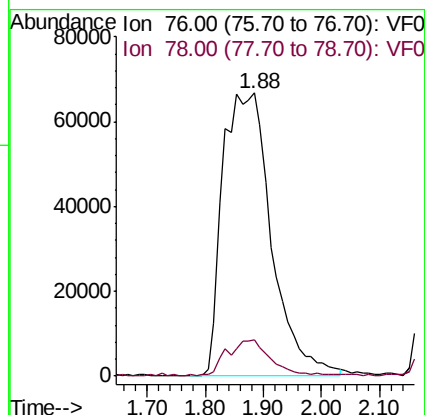
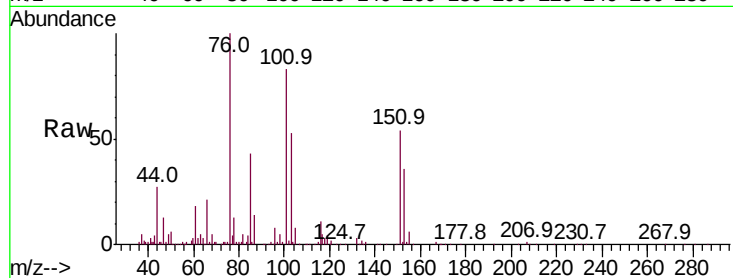
VSTDCCC050

Tot Ion: 76 Resp: 390177

Ion Ratio Lower Upper

76 100

78 12.8 9.4 14.0



#18

Methyl Acetate

Concen: 52.986 ug/l

RT: 2.44 min Scan# 183

Delta R.T. -0.01 min

Lab File: VF060311.D

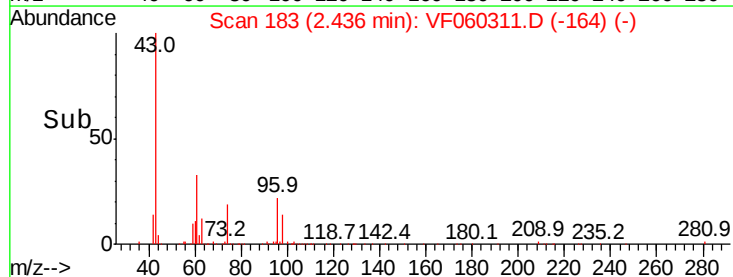
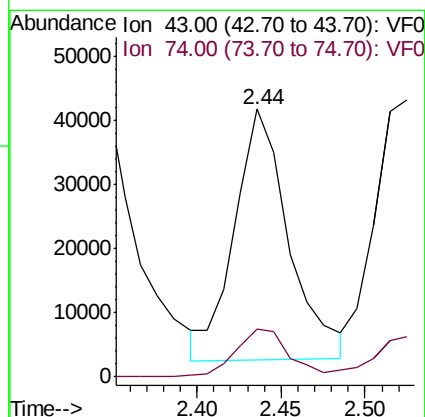
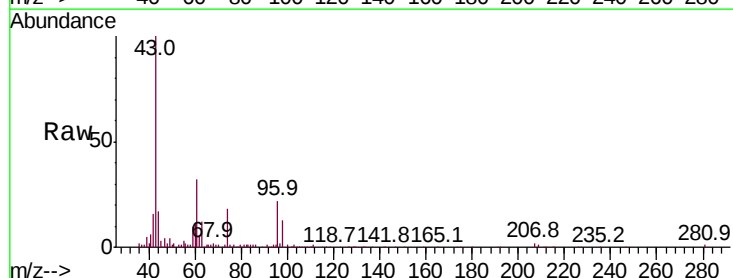
Acq: 21 Sep 2018 12:00

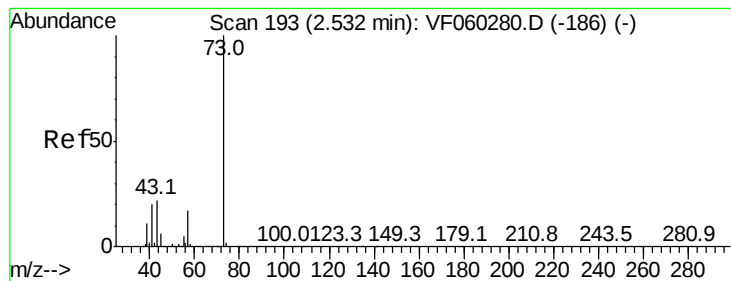
Tgt Ion: 43 Resp: 87964

Ion Ratio Lower Upper

43 100

74 18.0 12.7 19.1



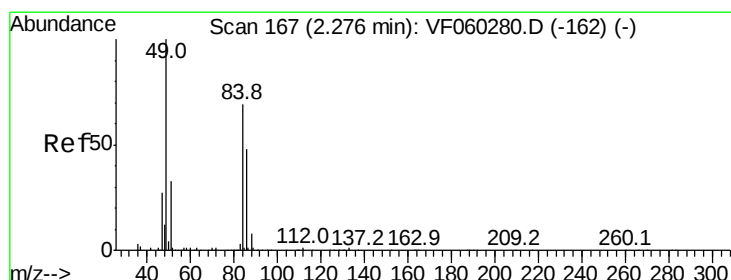
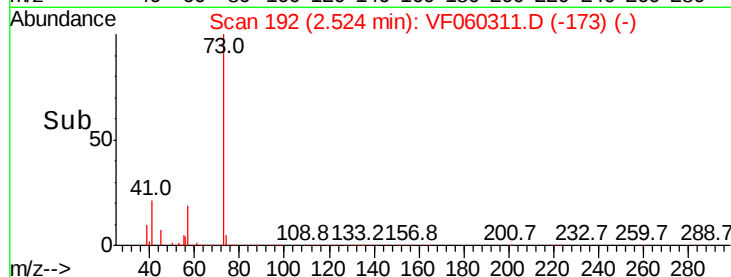
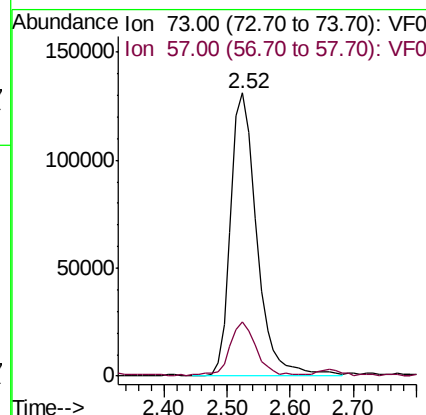
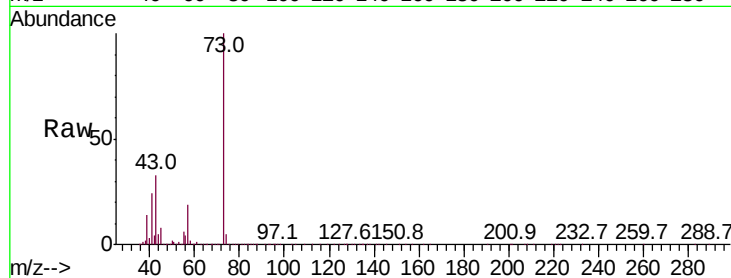


#19

Methyl tert-butyl Ether
 Concen: 50.532 ug/l
 RT: 2.52 min Scan# 192
 Delta R.T. -0.01 min
 Lab File: VF060311.D
 Acq: 21 Sep 2018 12:00

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

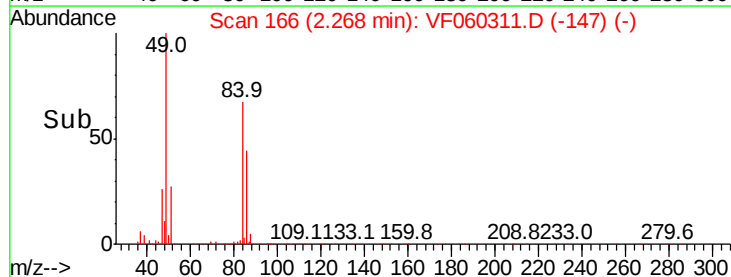
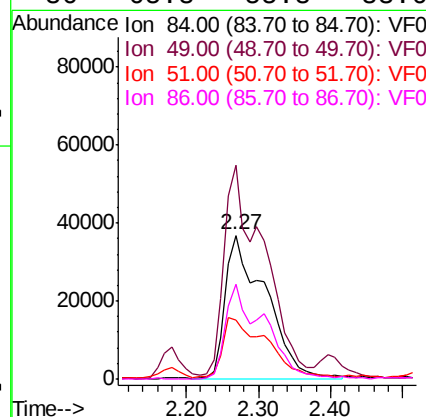
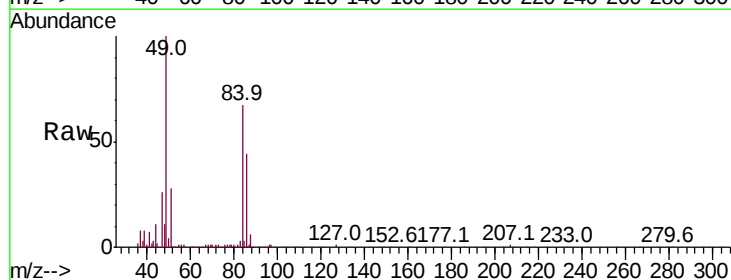
Tot Ion: 73 Resp: 376730
 Ion Ratio Lower Upper
 73 100
 57 19.2 14.5 21.7

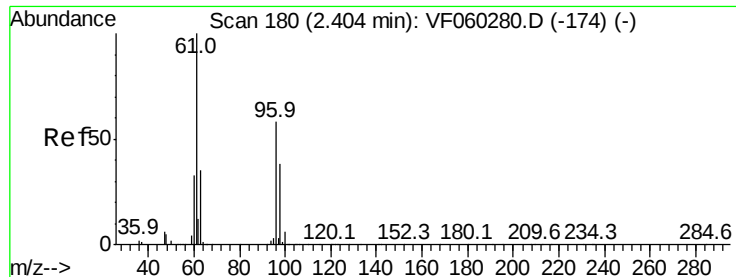


#20

Methylene Chloride
 Concen: 54.046 ug/l
 RT: 2.27 min Scan# 166
 Delta R.T. -0.01 min
 Lab File: VF060311.D
 Acq: 21 Sep 2018 12:00

Tgt Ion: 84 Resp: 143853
 Ion Ratio Lower Upper
 84 100
 49 148.8 118.3 177.5
 51 41.1 38.7 58.1
 86 65.8 55.8 83.6





#21

trans-1,2-Dichloroethene

Concen: 47.946 ug/l

RT: 2.40 min Scan# 179

Delta R.T. -0.01 min

Lab File: VF060311.D

Acq: 21 Sep 2018 12:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

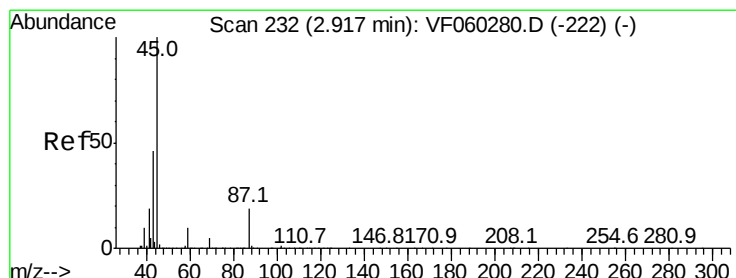
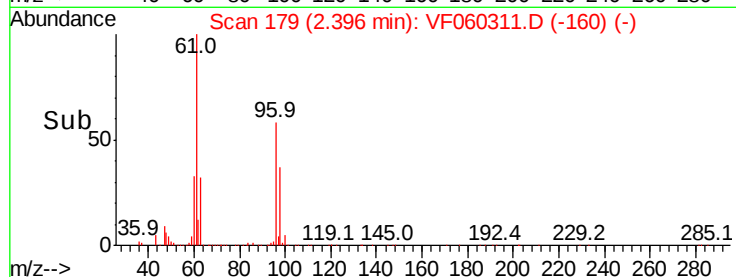
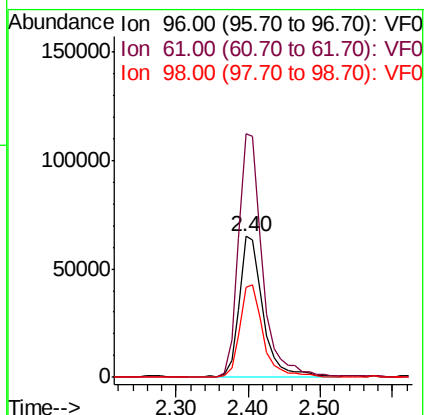
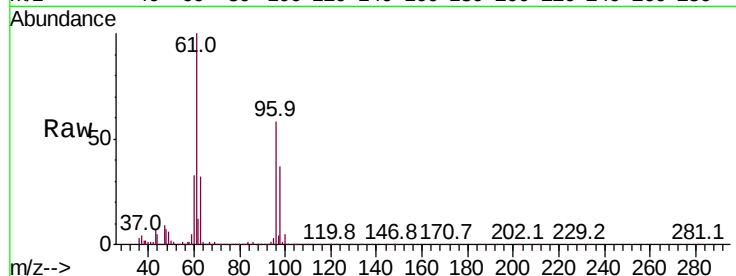
Tot Ion: 96 Resp: 148093

Ion Ratio Lower Upper

96 100

61 173.1 136.4 204.6

98 63.7 51.8 77.6



#22

Diisopropyl ether

Concen: 50.001 ug/l

RT: 2.91 min Scan# 231

Delta R.T. -0.01 min

Lab File: VF060311.D

Acq: 21 Sep 2018 12:00

Tgt Ion: 45 Resp: 492323

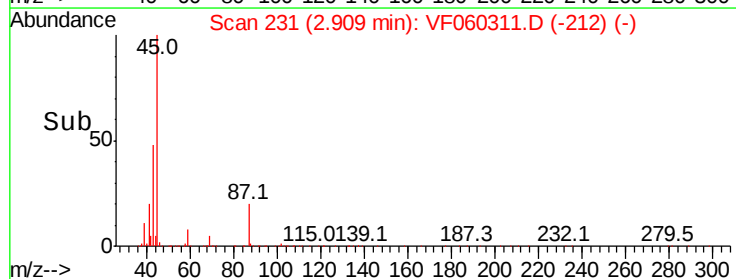
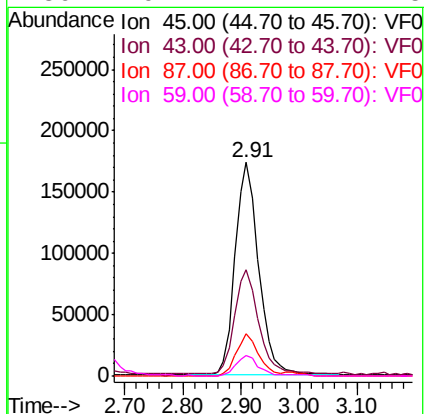
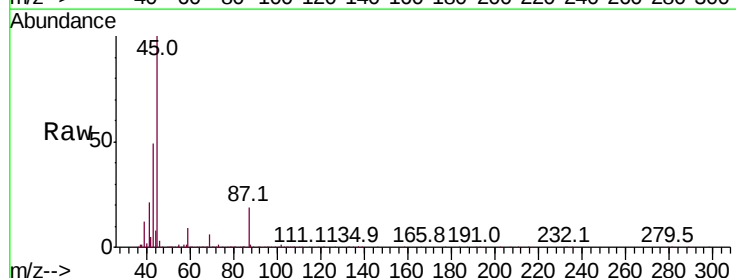
Ion Ratio Lower Upper

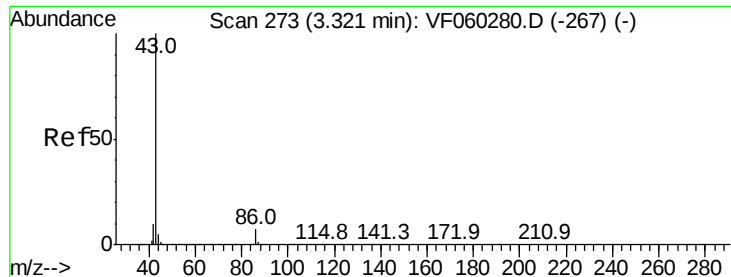
45 100

43 49.5 38.2 57.2

87 19.5 15.5 23.3

59 9.4 7.7 11.5





#23

Vinyl Acetate

Concen: 235.970 ug/l

RT: 3.31 min Scan# 272

Delta R.T. -0.01 min

Lab File: VF060311.D

Acq: 21 Sep 2018 12:00

Instrument :

MSVOA_F

ClientSampleId :

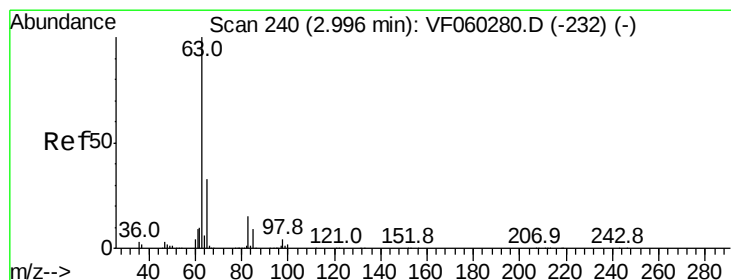
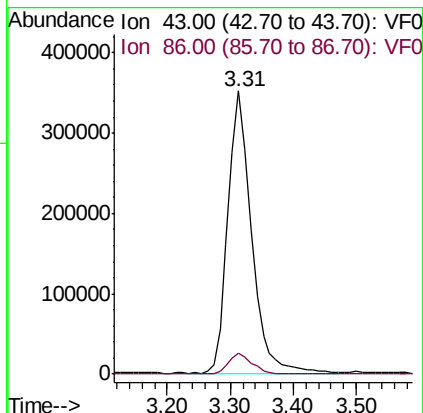
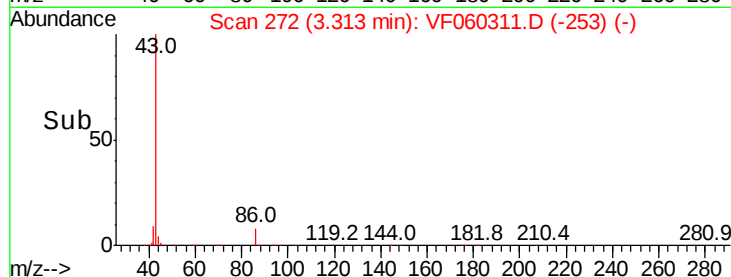
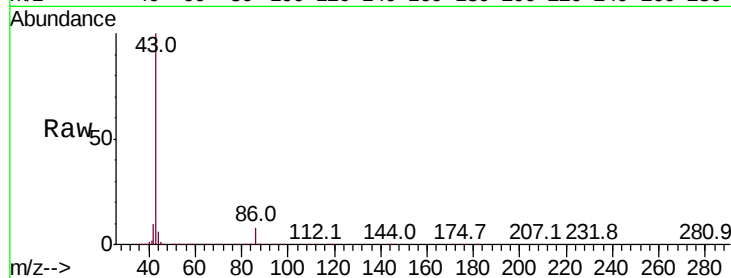
VSTDCCC050

Tot Ion: 43 Resp: 912517

Ion Ratio Lower Upper

43 100

86 7.5 5.9 8.9



#24

1,1-Dichloroethane

Concen: 48.403 ug/l

RT: 2.99 min Scan# 239

Delta R.T. -0.01 min

Lab File: VF060311.D

Acq: 21 Sep 2018 12:00

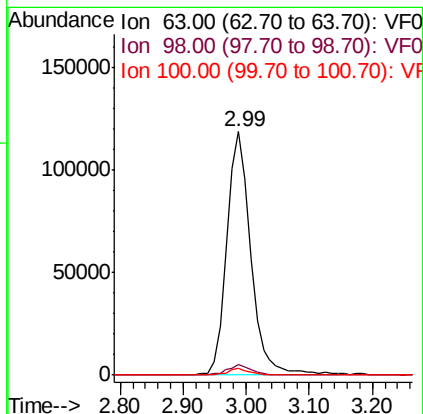
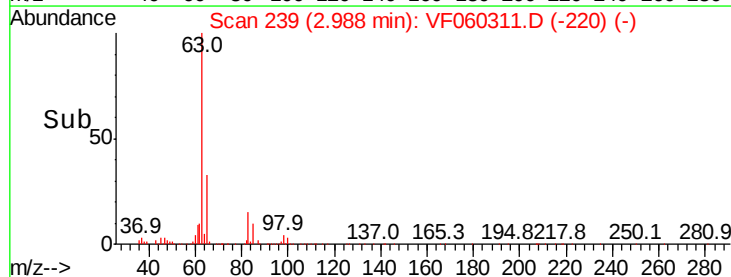
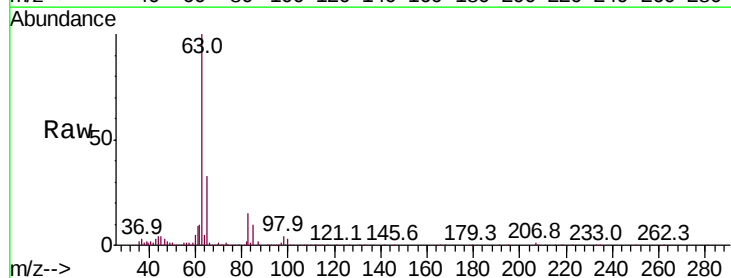
Tgt Ion: 63 Resp: 309084

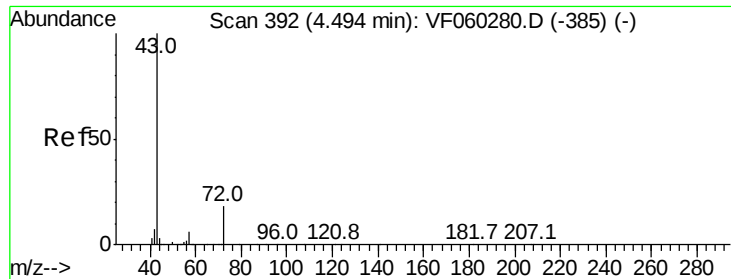
Ion Ratio Lower Upper

63 100

98 4.2 2.1 6.5

100 2.9 1.1 3.3





#25

2-Butanone

Concen: 265.866 ug/l

RT: 4.49 min Scan# 391

Delta R.T. -0.01 min

Lab File: VF060311.D

Acq: 21 Sep 2018 12:00

Instrument :

MSVOA_F

ClientSampleId :

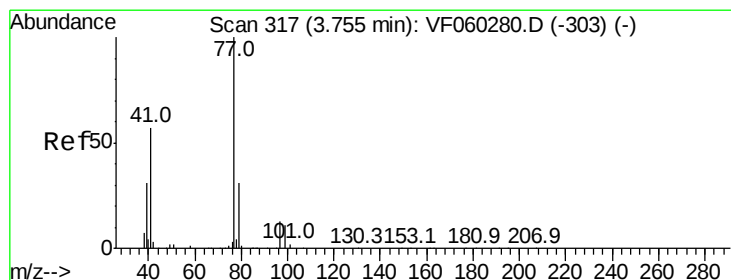
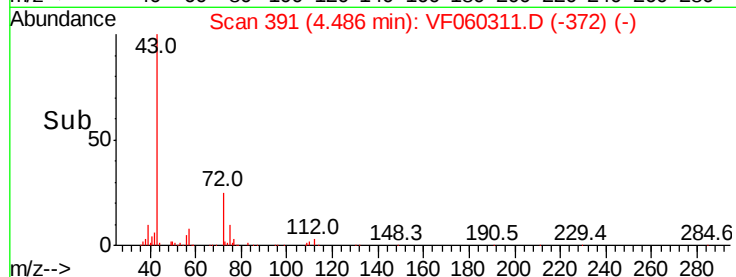
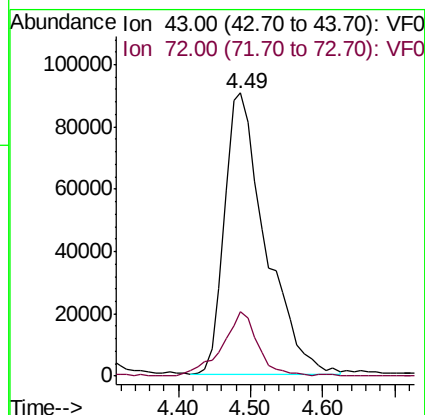
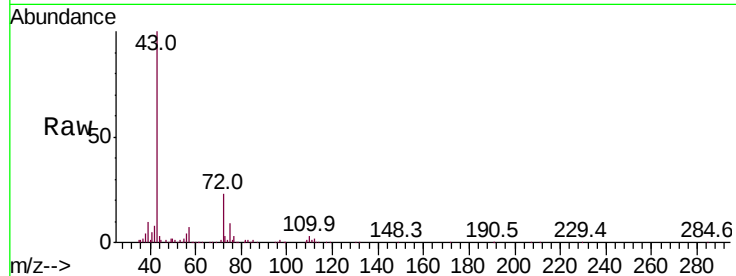
VSTDCCC050

Tot Ion: 43 Resp: 356615

Ion Ratio Lower Upper

43 100

72 22.9 16.2 24.2



#26

2,2-Dichloropropane

Concen: 46.918 ug/l

RT: 3.74 min Scan# 315

Delta R.T. -0.02 min

Lab File: VF060311.D

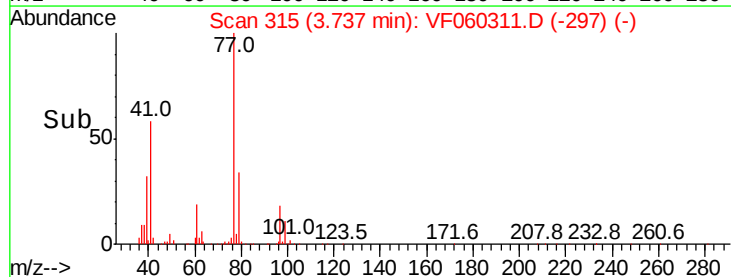
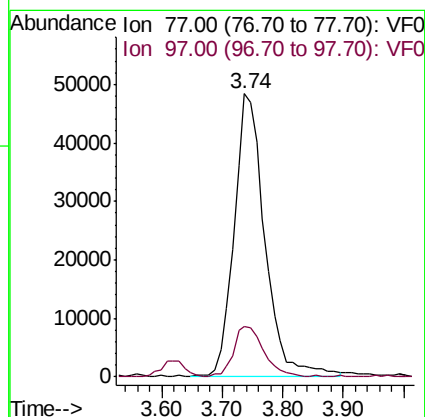
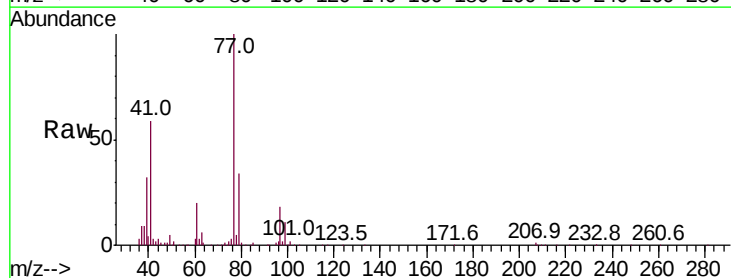
Acq: 21 Sep 2018 12:00

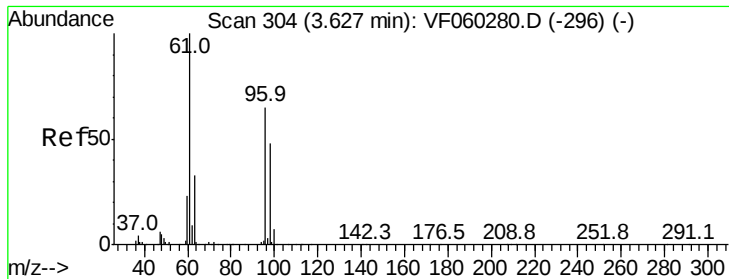
Tgt Ion: 77 Resp: 170945

Ion Ratio Lower Upper

77 100

97 18.0 9.3 27.9



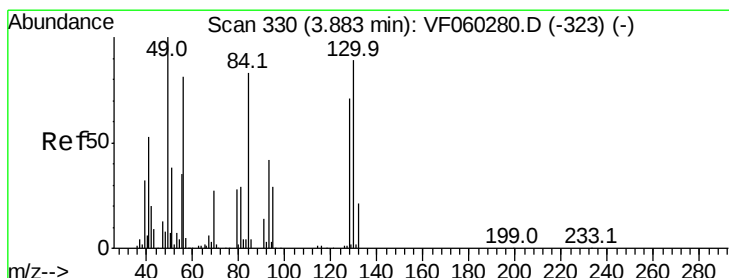
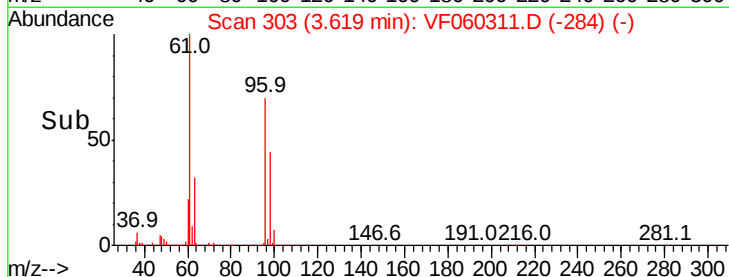
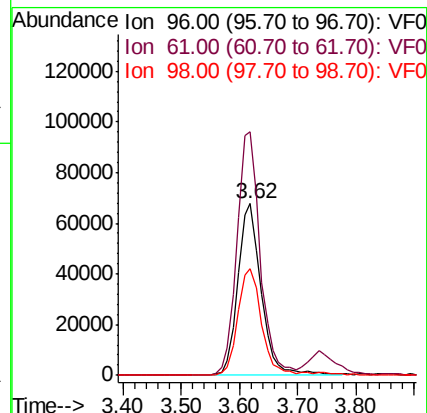
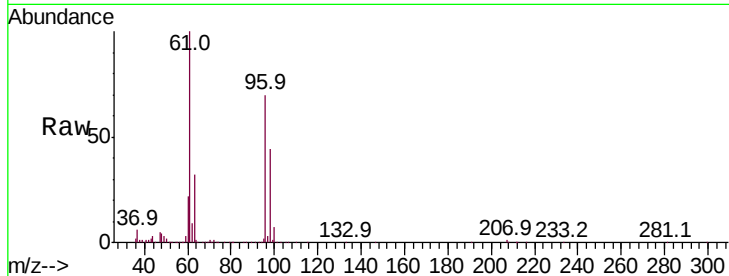


#27

cis-1,2-Dichloroethene
Concen: 46.213 ug/l
RT: 3.62 min Scan# 303
Delta R.T. -0.01 min
Lab File: VF060311.D
Acq: 21 Sep 2018 12:00

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

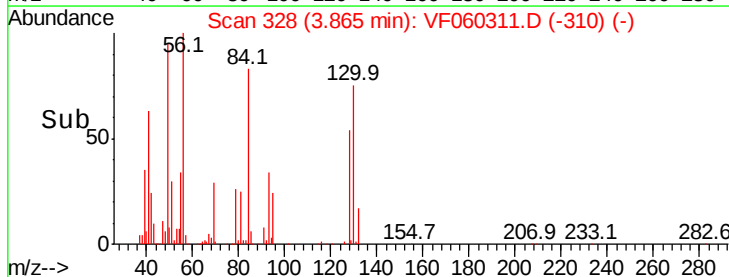
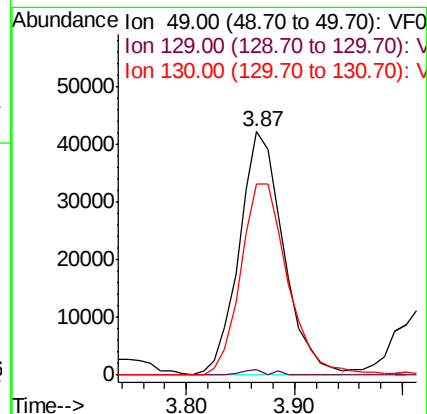
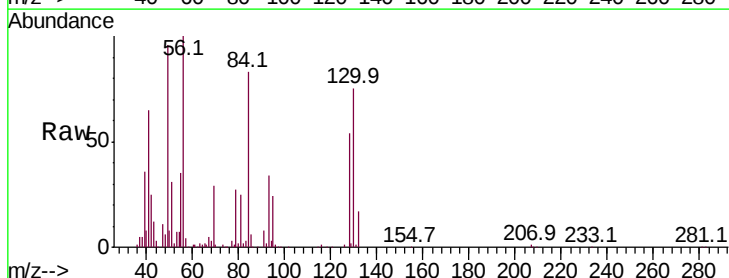
Tot Ion	Ratio	Lower	Upper
96	100		
61	142.1	0.0	304.8
98	62.3	0.0	146.4

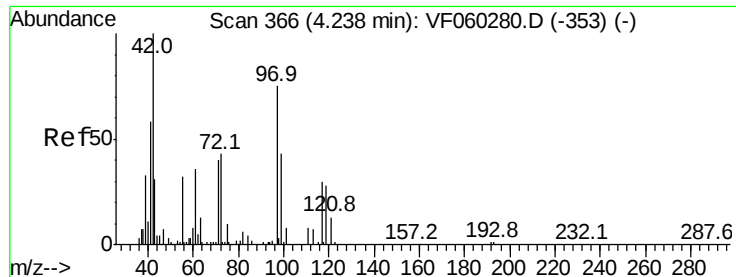


#28

Bromochloromethane
Concen: 48.044 ug/l
RT: 3.87 min Scan# 328
Delta R.T. -0.02 min
Lab File: VF060311.D
Acq: 21 Sep 2018 12:00

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.2
130	78.4	70.3	105.5





#29

Tetrahydrofuran

Concen: 234.572 ug/l

RT: 4.23 min Scan# 365

Delta R.T. -0.01 min

Lab File: VF060311.D

Acq: 21 Sep 2018 12:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

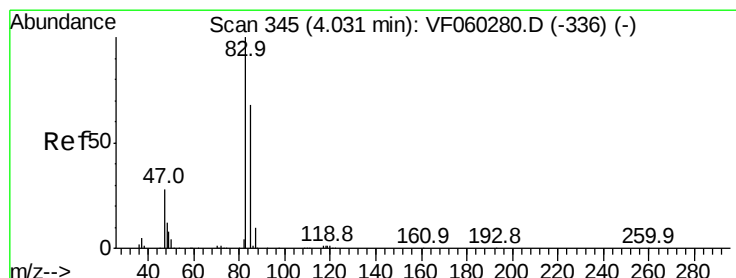
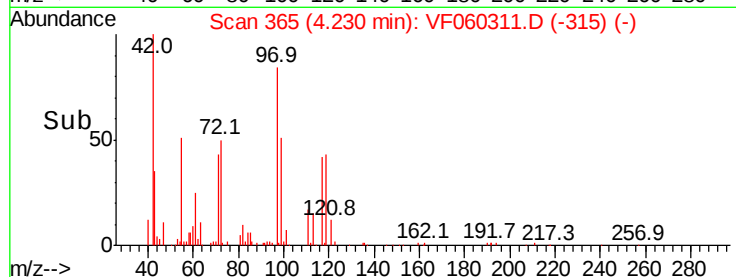
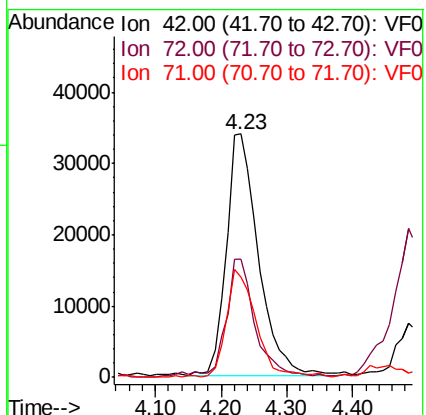
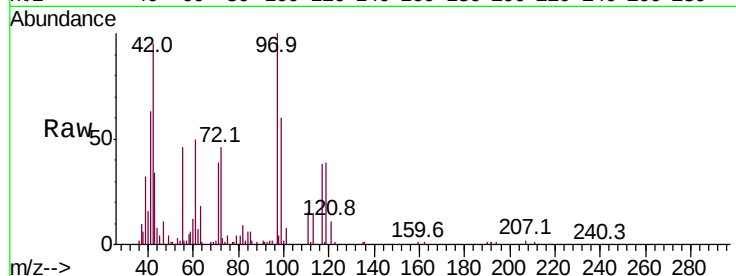
Tot Ion: 42 Resp: 115222

Ion Ratio Lower Upper

42 100

72 43.7 32.6 49.0

71 41.8 32.7 49.1



#30

Chloroform

Concen: 45.942 ug/l

RT: 4.01 min Scan# 343

Delta R.T. -0.02 min

Lab File: VF060311.D

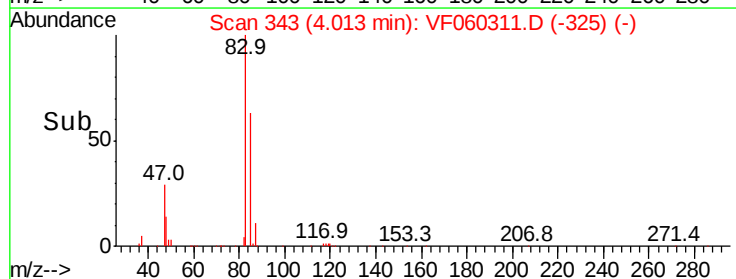
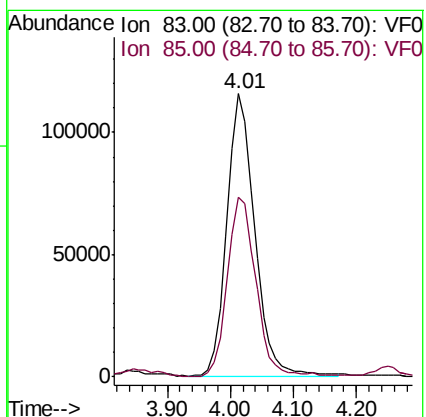
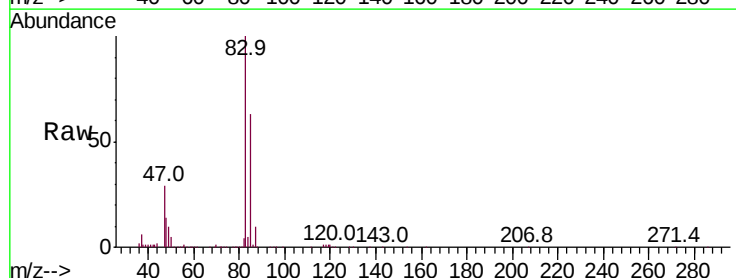
Acq: 21 Sep 2018 12:00

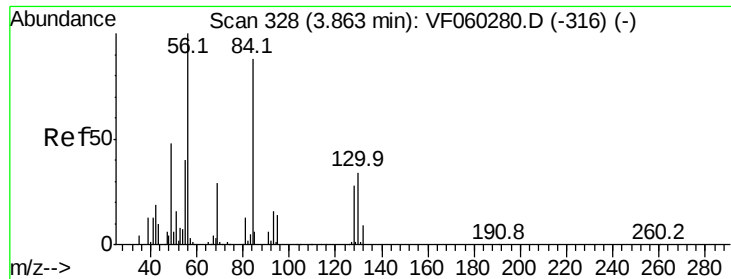
Tgt Ion: 83 Resp: 353981

Ion Ratio Lower Upper

83 100

85 63.3 54.9 82.3

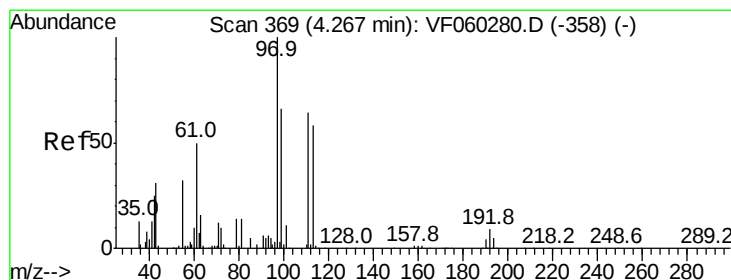
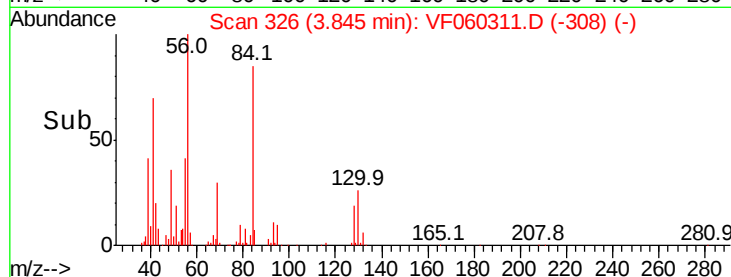
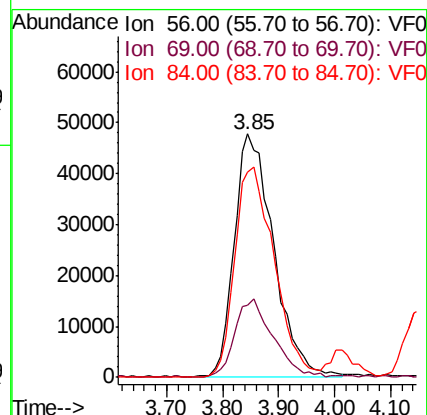
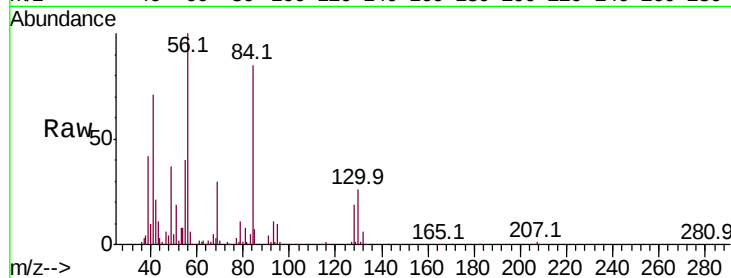




#31
Cvclohexane
Concen: 43.127 ug/l
RT: 3.85 min Scan# 326
Delta R.T. -0.02 min
Lab File: VF060311.D
Acq: 21 Sep 2018 12:00

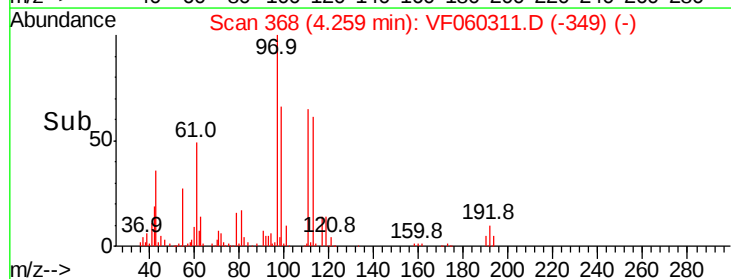
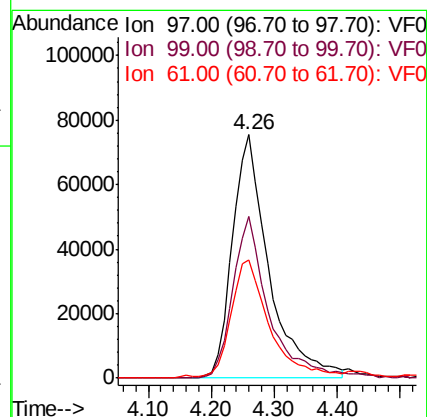
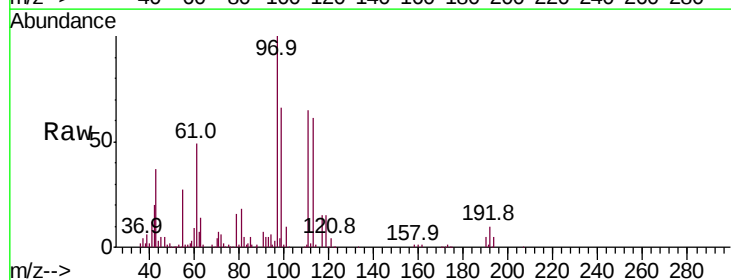
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

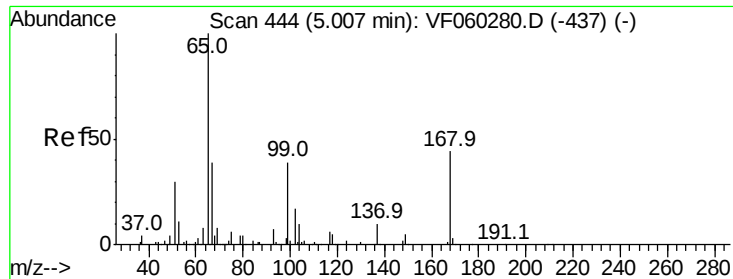
Tot Ion: 56 Resp: 232616
Ion Ratio Lower Upper
56 100
69 29.6 23.8 35.6
84 84.5 70.2 105.4



#32
1,1,1-Trichloroethane
Concen: 49.836 ug/l
RT: 4.26 min Scan# 368
Delta R.T. -0.01 min
Lab File: VF060311.D
Acq: 21 Sep 2018 12:00

Tgt Ion: 97 Resp: 302984
Ion Ratio Lower Upper
97 100
99 66.3 53.0 79.4
61 48.7 40.6 61.0





#33

1,2-Dichloroethane-d4

Concen: 50.181 ug/l

RT: 5.00 min Scan# 443

Delta R.T. -0.01 min

Lab File: VF060311.D

Acq: 21 Sep 2018 12:00

Instrument :

MSVOA_F

ClientSampleId :

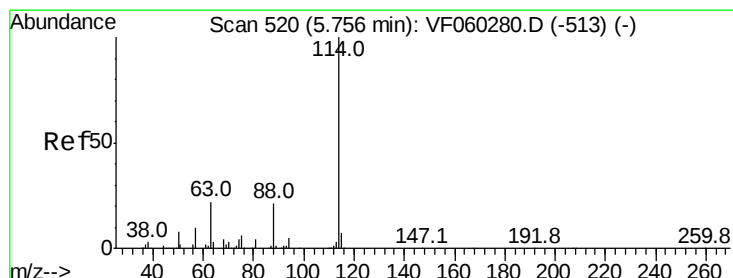
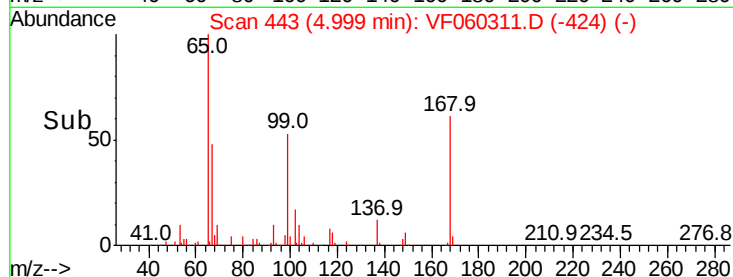
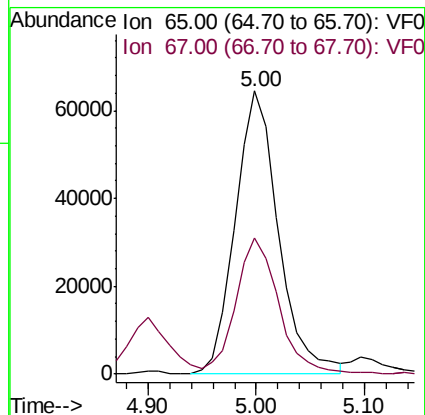
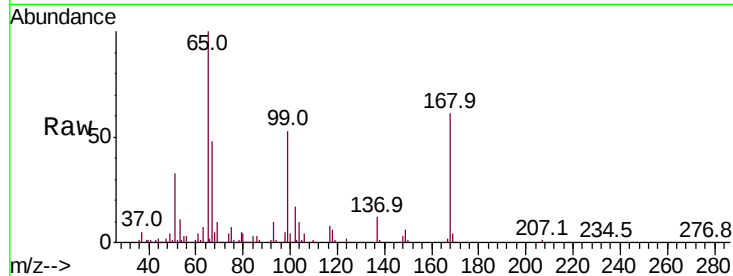
VSTDCCC050

Tot Ion: 65 Resp: 177569

Ion Ratio Lower Upper

65 100

67 48.0 0.0 94.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 519

Delta R.T. -0.01 min

Lab File: VF060311.D

Acq: 21 Sep 2018 12:00

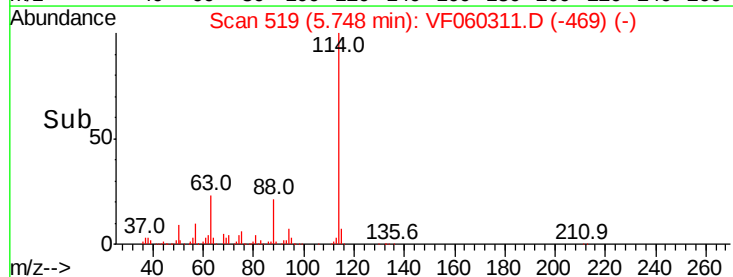
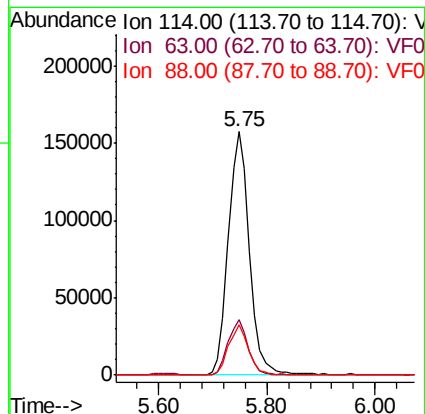
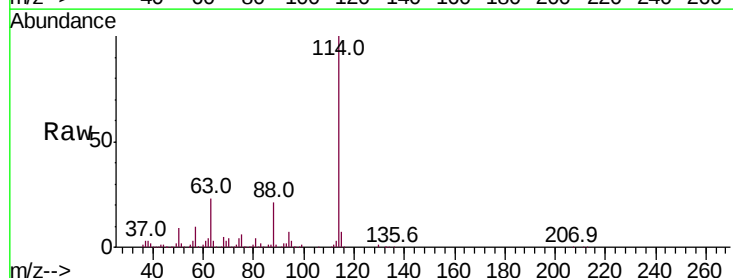
Tgt Ion: 114 Resp: 426664

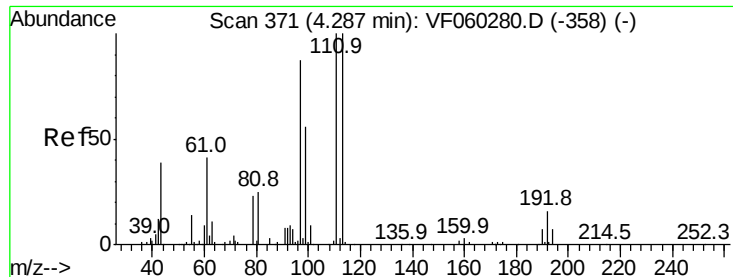
Ion Ratio Lower Upper

114 100

63 22.7 0.0 43.8

88 20.5 0.0 41.2

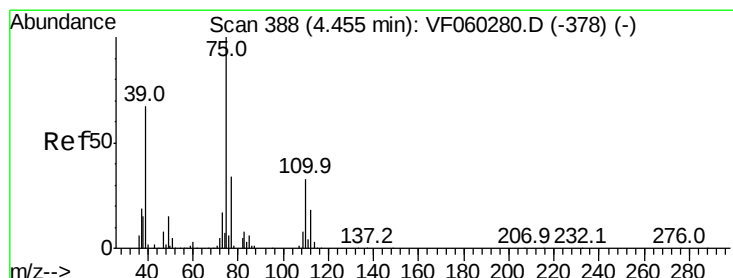
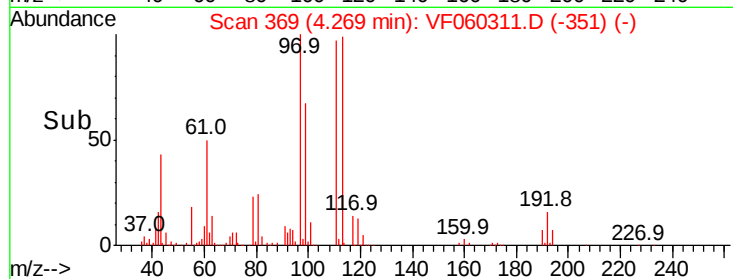
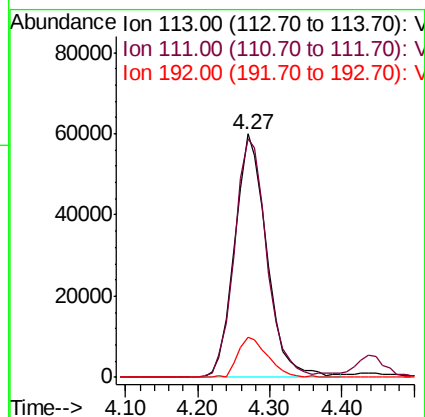
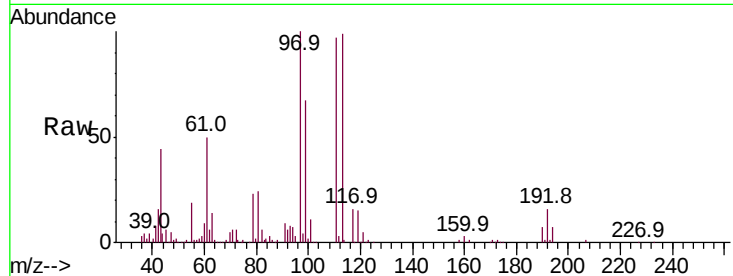




#35
 Dibromofluoromethane
 Concen: 49.060 ug/l
 RT: 4.27 min Scan# 369
 Delta R.T. -0.02 min
 Lab File: VF060311.D
 Acq: 21 Sep 2018 12:00

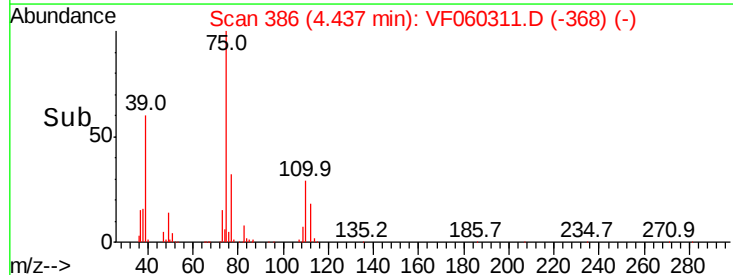
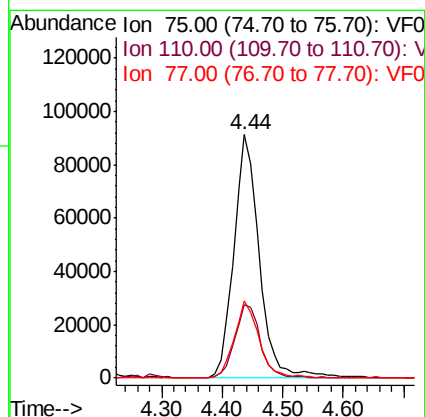
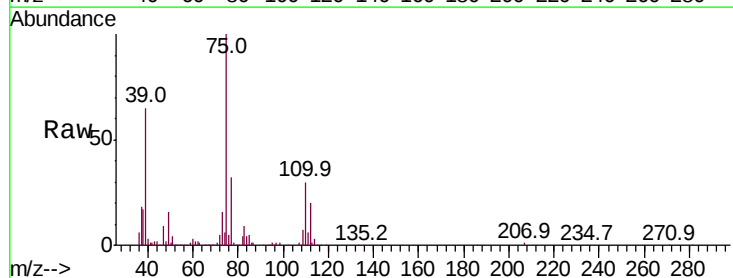
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

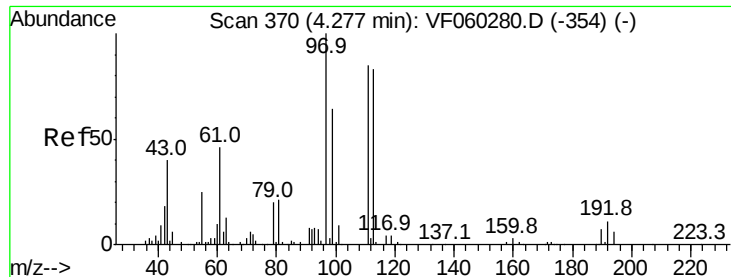
Tot Ion	Ratio	Lower	Upper
113	100		
111	97.2	79.6	119.4
192	16.2	13.0	19.6



#36
 1,1-Dichloropropene
 Concen: 49.705 ug/l
 RT: 4.44 min Scan# 386
 Delta R.T. -0.02 min
 Lab File: VF060311.D
 Acq: 21 Sep 2018 12:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.3	16.4	49.2
77	31.7	27.3	40.9

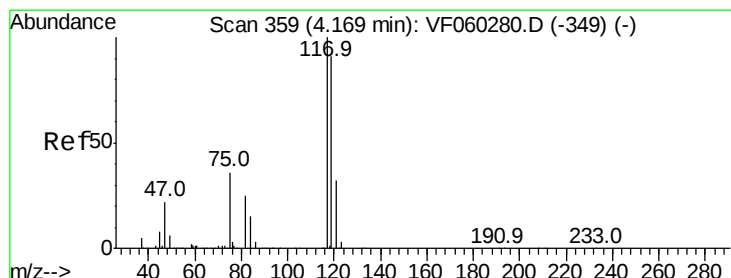
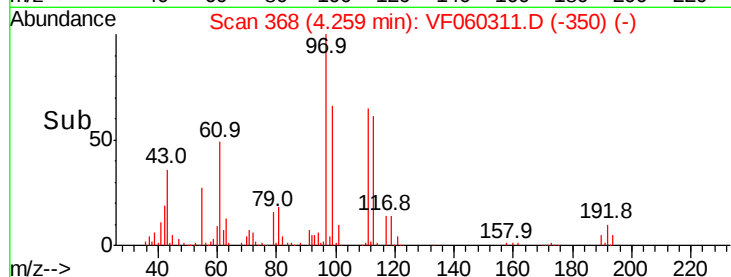
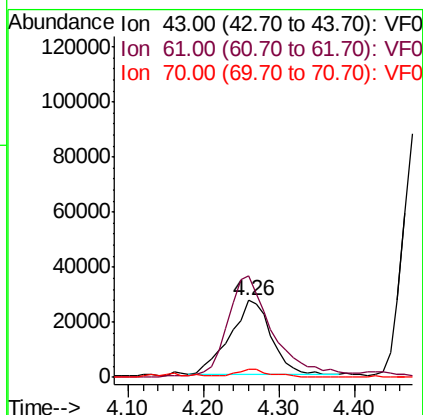
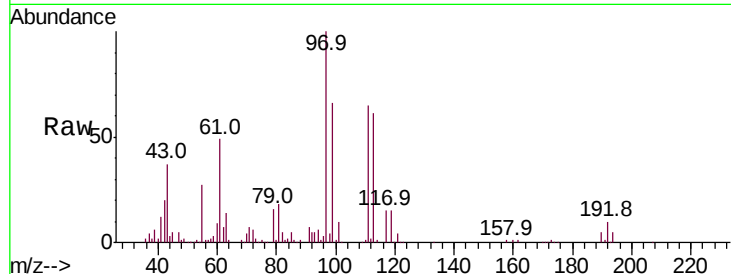




#37
Ethyl Acetate
Concen: 46.015 ug/l
RT: 4.26 min Scan# 368
Delta R.T. -0.02 min
Lab File: VF060311.D
Acq: 21 Sep 2018 12:00

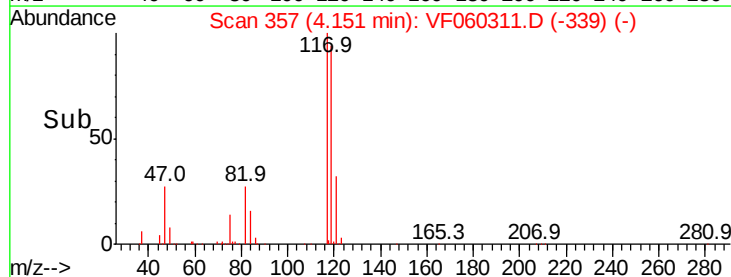
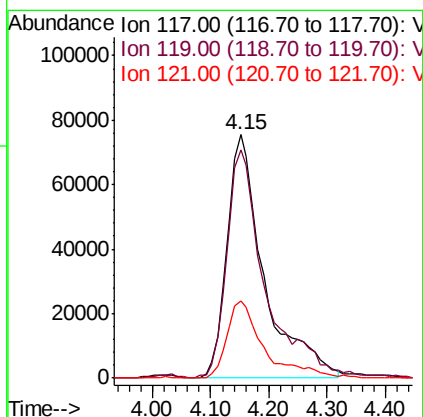
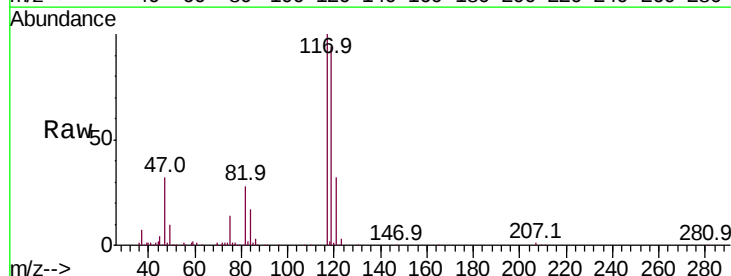
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

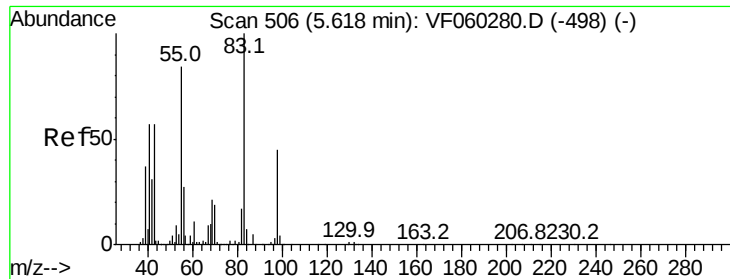
Tot Ion: 43 Resp: 103621
Ion Ratio Lower Upper
43 100
61 131.5 91.1 136.7
70 9.9 6.9 10.3



#38
Carbon Tetrachloride
Concen: 58.734 ug/l
RT: 4.15 min Scan# 357
Delta R.T. -0.02 min
Lab File: VF060311.D
Acq: 21 Sep 2018 12:00

Tgt Ion:117 Resp: 335751
Ion Ratio Lower Upper
117 100
119 93.9 73.0 109.6
121 31.6 25.4 38.2





#39

Methvlcvclohexane

Concen: 48.256 ug/l

RT: 5.61 min Scan# 505

Delta R.T. -0.01 min

Lab File: VF060311.D

Acq: 21 Sep 2018 12:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

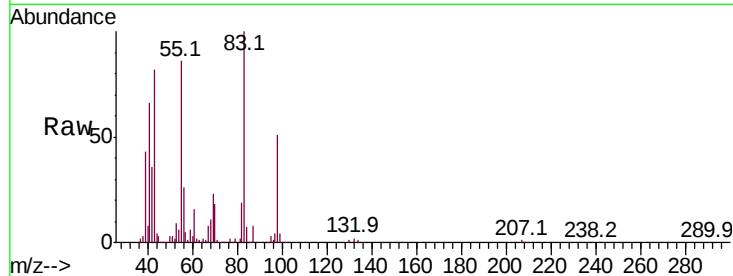
Tot Ion: 83 Resp: 278343

Ion Ratio Lower Upper

83 100

55 86.1 67.3 100.9

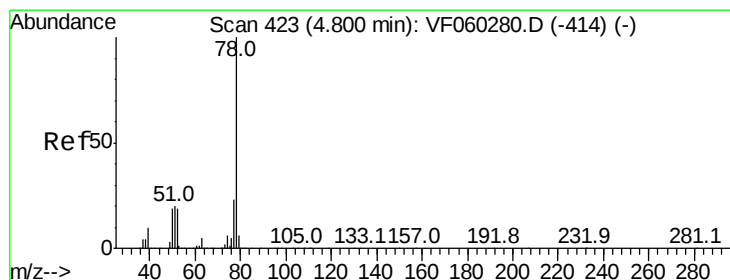
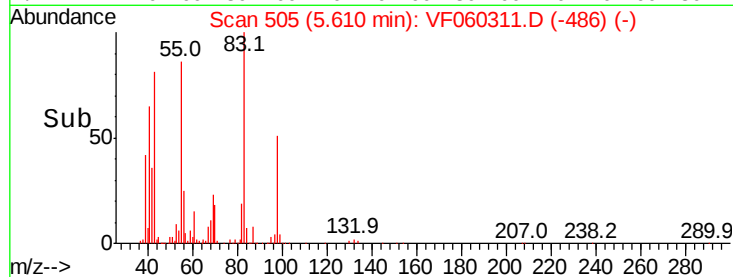
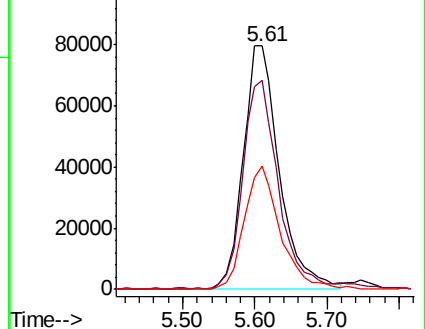
98 50.7 36.1 54.1



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#40

Benzene

Concen: 48.199 ug/l

RT: 4.79 min Scan# 422

Delta R.T. -0.01 min

Lab File: VF060311.D

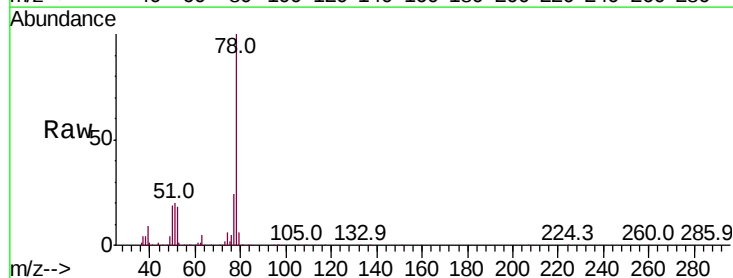
Acq: 21 Sep 2018 12:00

Tgt Ion: 78 Resp: 581643

Ion Ratio Lower Upper

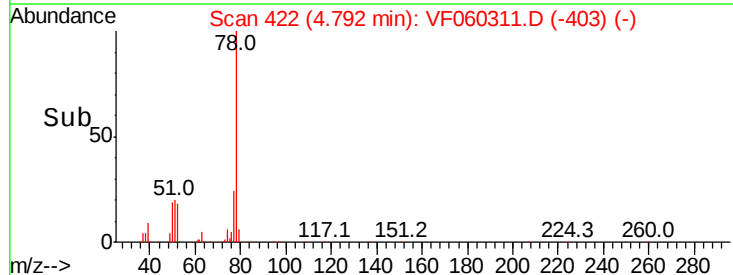
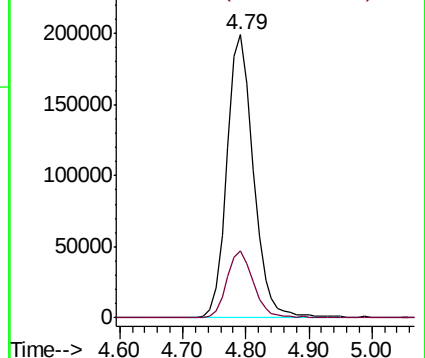
78 100

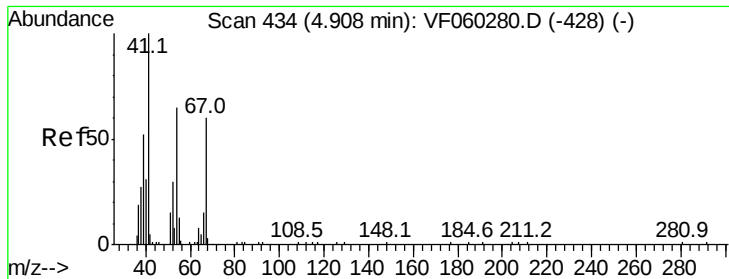
77 23.6 18.4 27.6



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0

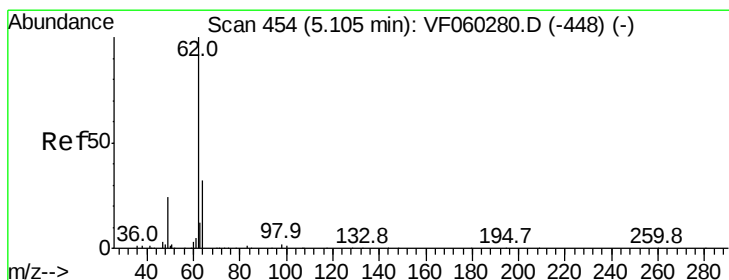
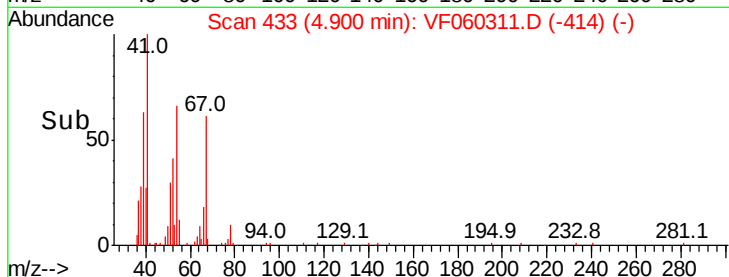
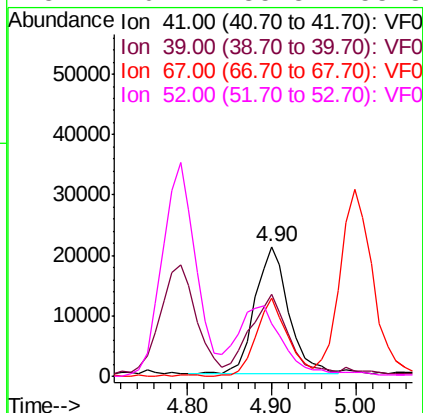
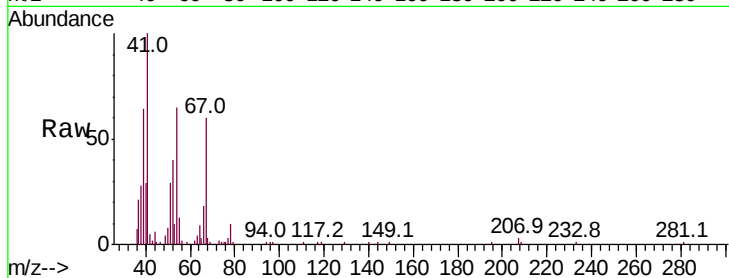




#41
Methacrylonitrile
Concen: 48.538 ug/l
RT: 4.90 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF060311.D
Acq: 21 Sep 2018 12:00

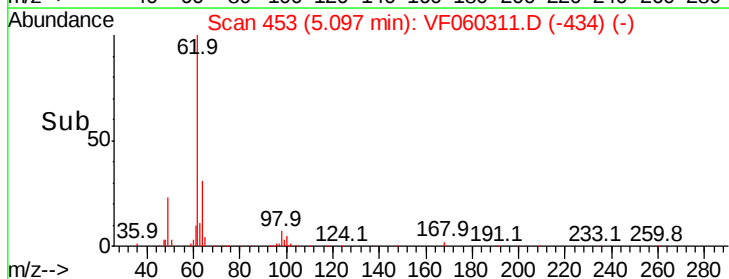
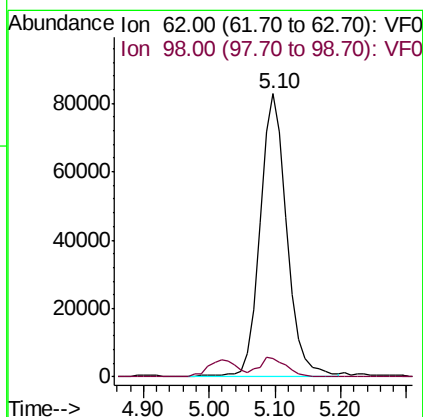
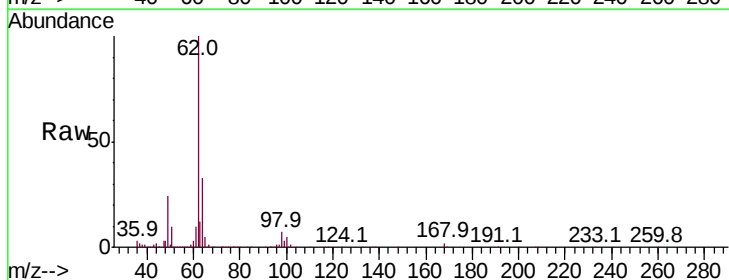
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

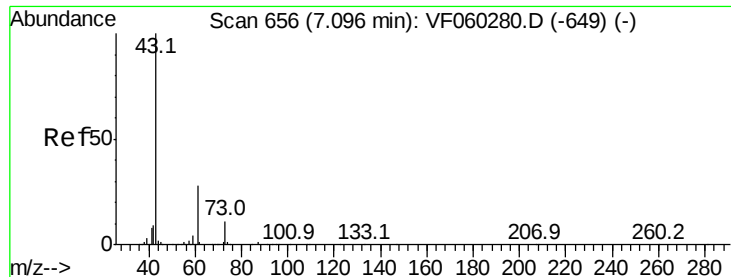
Tot Ion:	41	Resp:	59310
Ion	Ratio	Lower	Upper
41	100		
39	63.6	49.1	73.7
67	60.2	48.2	72.4
52	40.1	35.8	53.8



#42
1,2-Dichloroethane
Concen: 53.054 ug/l
RT: 5.10 min Scan# 453
Delta R.T. -0.01 min
Lab File: VF060311.D
Acq: 21 Sep 2018 12:00

Tgt Ion:	62	Resp:	235658
Ion	Ratio	Lower	Upper
62	100		
98	6.7	0.0	14.4





#43

Isopropyl Acetate

Concen: 51.606 ug/l

RT: 7.09 min Scan# 655

Delta R.T. -0.01 min

Lab File: VF060311.D

Acq: 21 Sep 2018 12:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

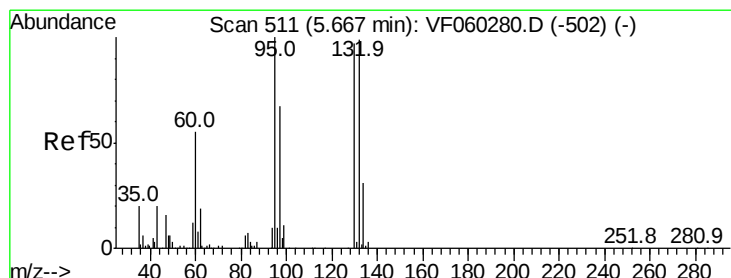
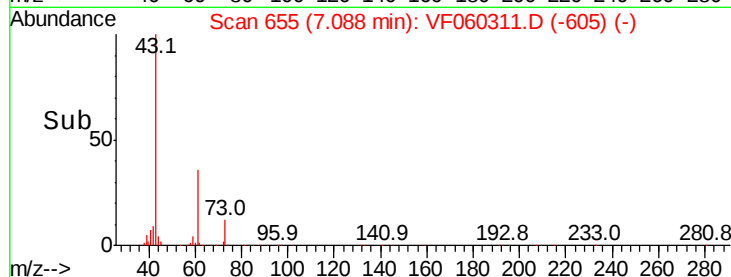
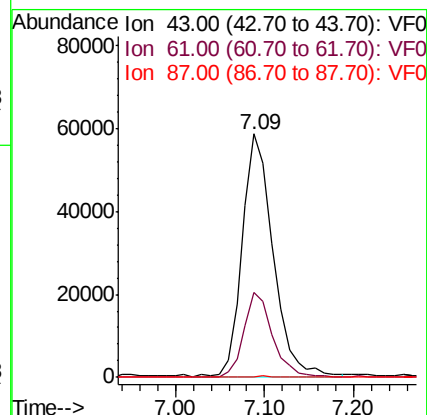
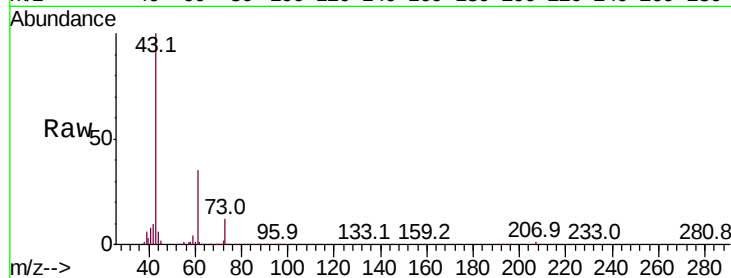
Tot Ion: 43 Resp: 139902

Ion Ratio Lower Upper

43 100

61 35.0 22.4 33.6#

87 0.3 0.6 0.8#



#44

Trichloroethene

Concen: 49.150 ug/l

RT: 5.65 min Scan# 509

Delta R.T. -0.02 min

Lab File: VF060311.D

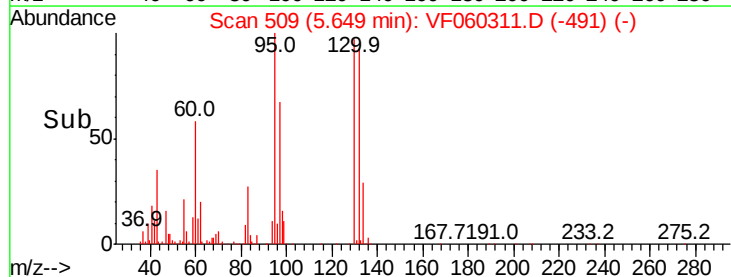
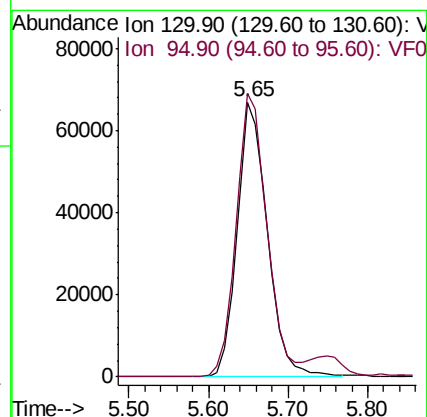
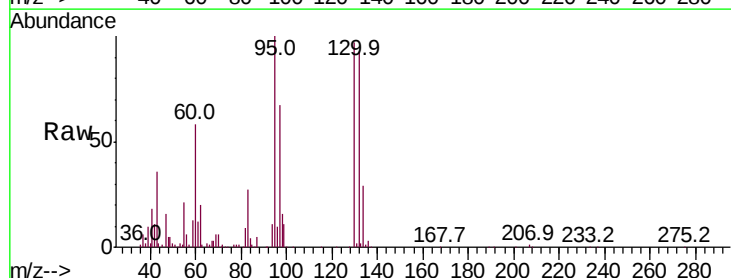
Acq: 21 Sep 2018 12:00

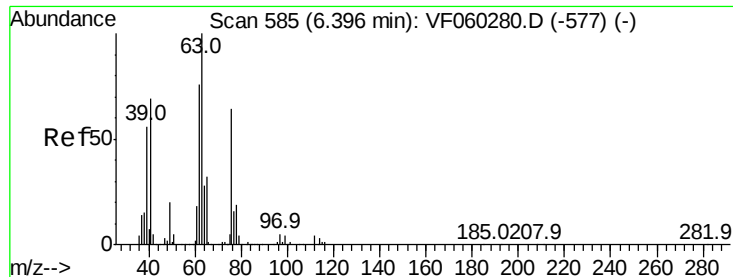
Tgt Ion:130 Resp: 176519

Ion Ratio Lower Upper

130 100

95 103.0 0.0 205.6





#45

1,2-Dichloropropane

Concen: 50.664 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.02 min

Lab File: VF060311.D

Acq: 21 Sep 2018 12:00

Instrument :

MSVOA_F

ClientSampleId :

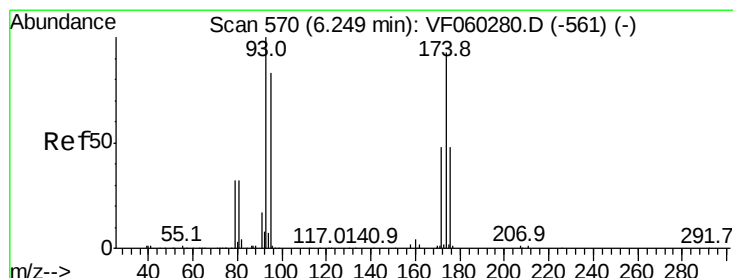
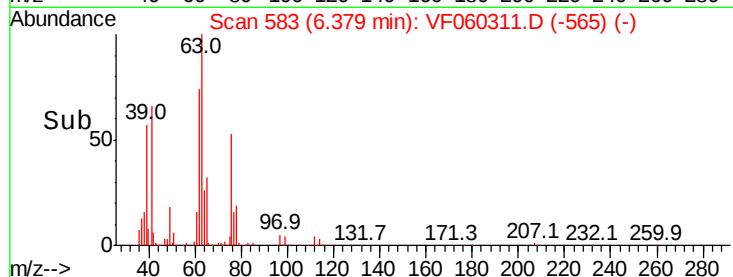
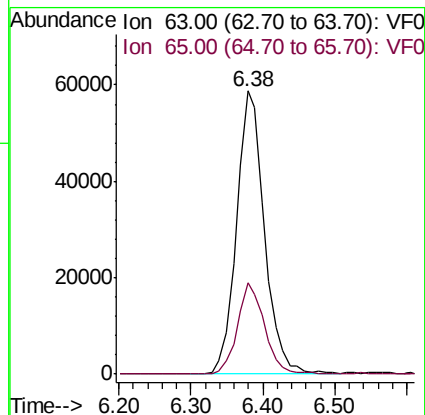
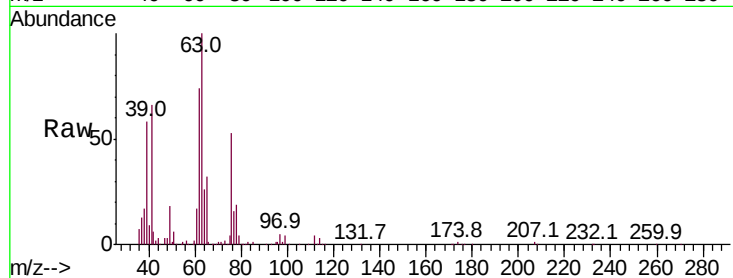
VSTDCCC050

Tot Ion: 63 Resp: 158231

Ion Ratio Lower Upper

63 100

65 32.2 26.2 39.4



#46

Dibromomethane

Concen: 50.416 ug/l

RT: 6.23 min Scan# 568

Delta R.T. -0.02 min

Lab File: VF060311.D

Acq: 21 Sep 2018 12:00

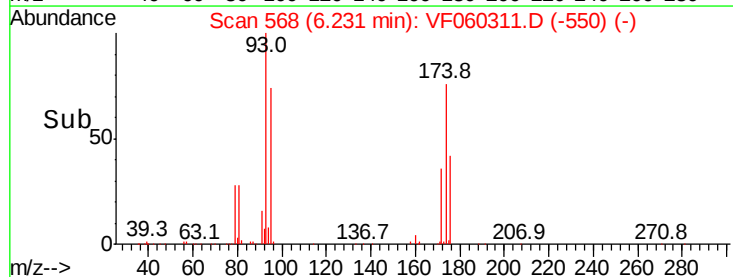
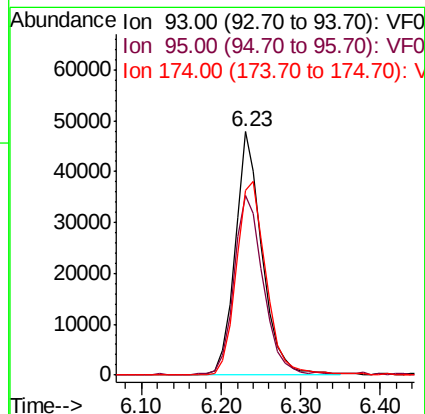
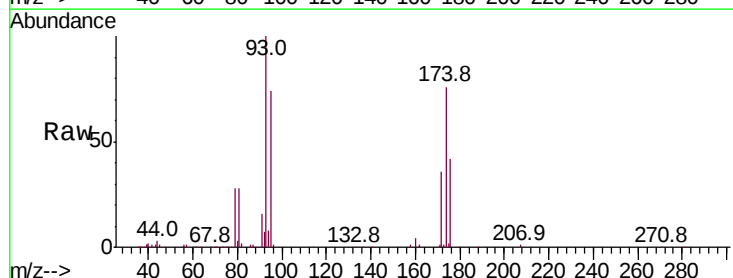
Tgt Ion: 93 Resp: 112552

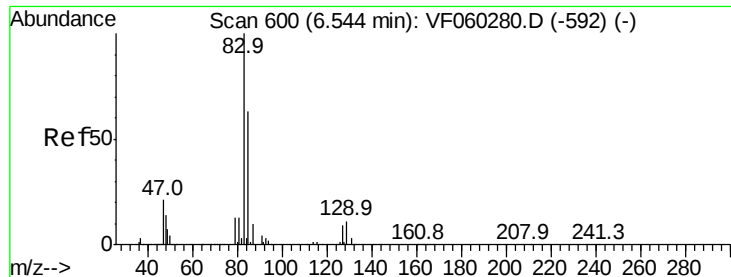
Ion Ratio Lower Upper

93 100

95 73.7 67.0 100.6

174 75.6 74.8 112.2





#47

Bromodichloromethane

Concen: 50.701 ug/l

RT: 6.53 min Scan# 598

Delta R.T. -0.02 min

Lab File: VF060311.D

Acq: 21 Sep 2018 12:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

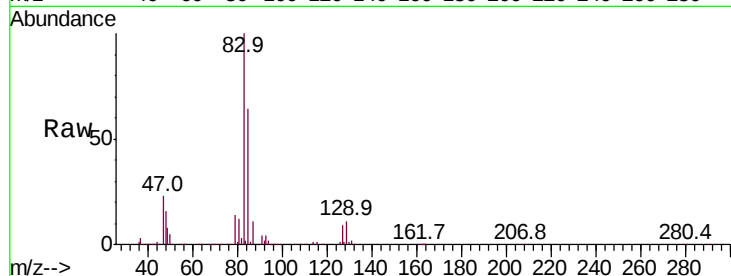
Tot Ion: 83 Resp: 272004

Ion Ratio Lower Upper

83 100

85 63.7 50.6 76.0

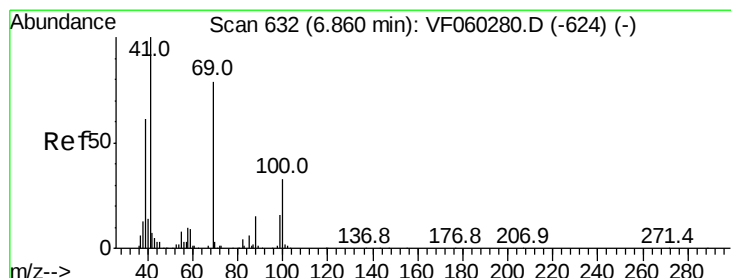
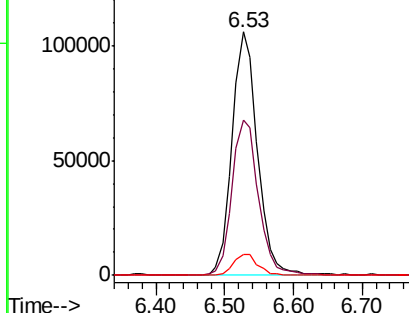
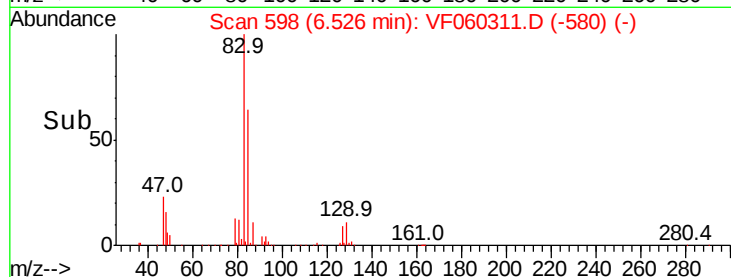
127 9.7 7.1 10.7



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 52.023 ug/l

RT: 6.85 min Scan# 631

Delta R.T. -0.01 min

Lab File: VF060311.D

Acq: 21 Sep 2018 12:00

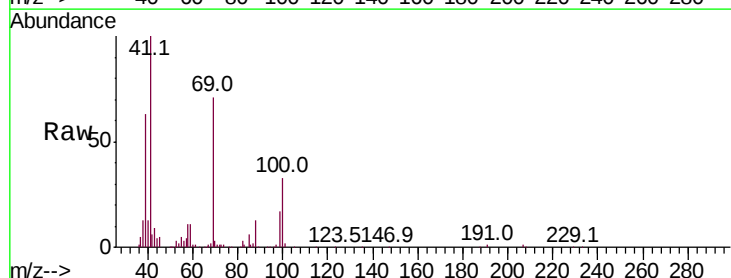
Tgt Ion: 41 Resp: 99002

Ion Ratio Lower Upper

41 100

69 71.4 62.6 94.0

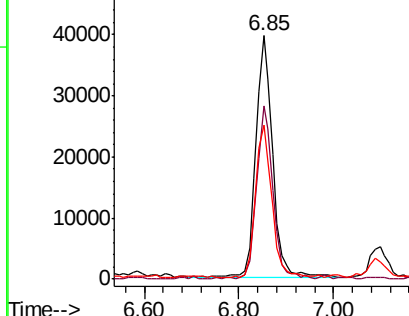
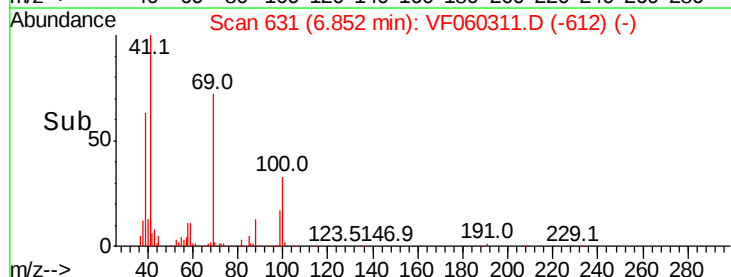
39 63.1 49.1 73.7

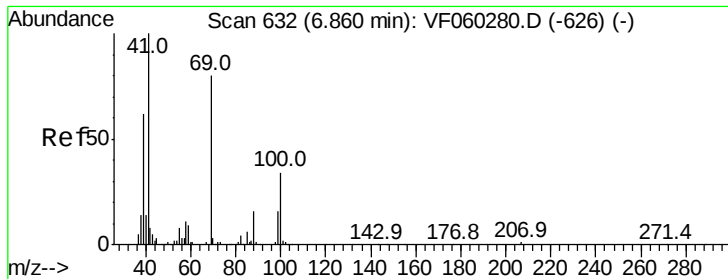


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 1040.080 ug/l

RT: 6.84 min Scan# 630

Delta R.T. -0.02 min

Lab File: VF060311.D

Acq: 21 Sep 2018 12:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

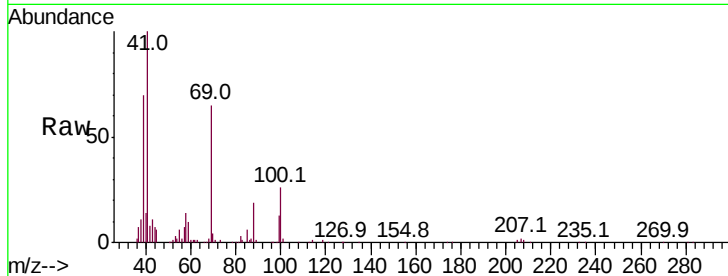
Tot Ion: 88 Resp: 17683

Ion Ratio Lower Upper

88 100

43 55.5 40.2 60.4

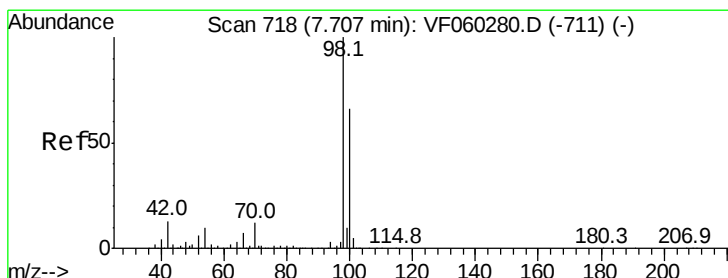
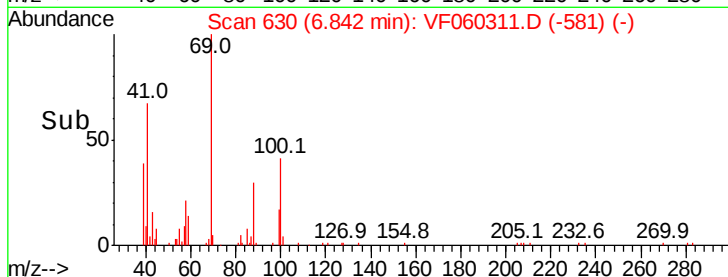
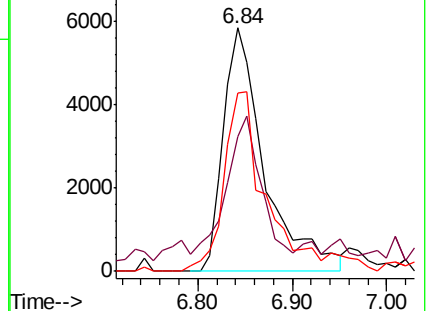
58 73.3 56.7 85.1



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 50.980 ug/l

RT: 7.69 min Scan# 716

Delta R.T. -0.02 min

Lab File: VF060311.D

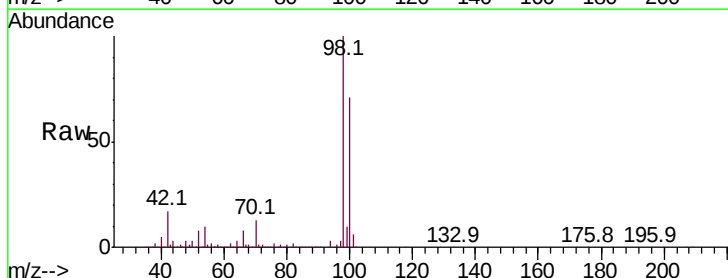
Acq: 21 Sep 2018 12:00

Tgt Ion: 98 Resp: 504948

Ion Ratio Lower Upper

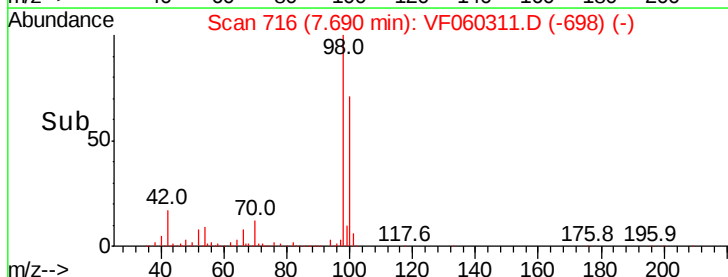
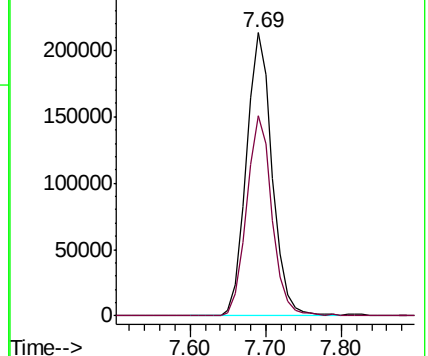
98 100

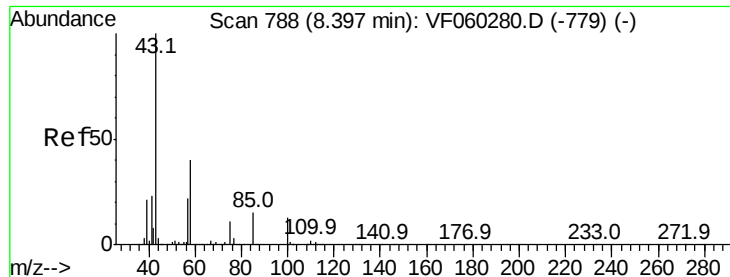
100 70.6 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 308.834 ug/l

RT: 8.39 min Scan# 787

Delta R.T. -0.01 min

Lab File: VF060311.D

Acq: 21 Sep 2018 12:00

Instrument :

MSVOA_F

ClientSampleId :

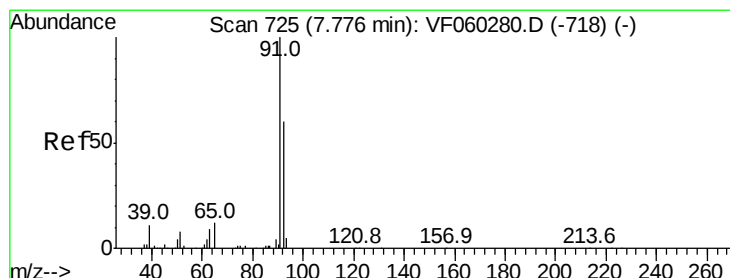
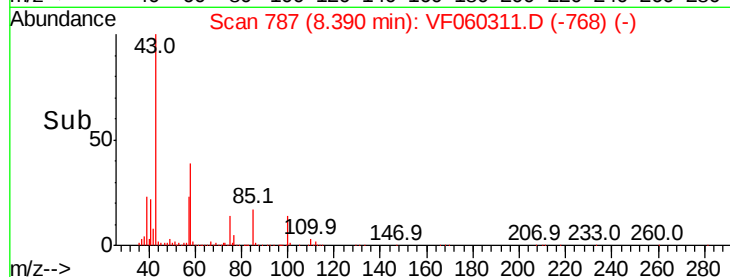
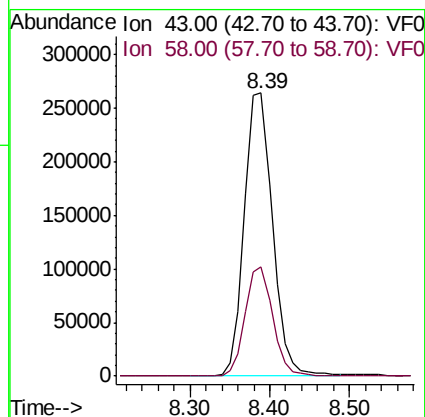
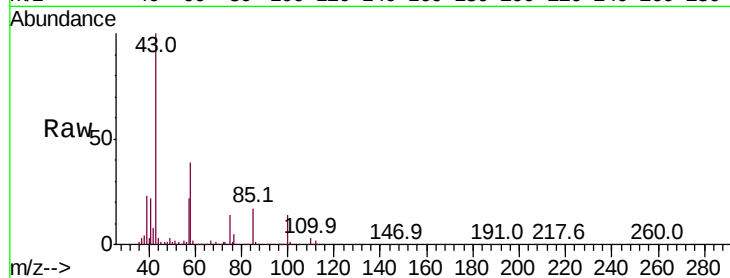
VSTDCCC050

Tot Ion: 43 Resp: 645296

Ion Ratio Lower Upper

43 100

58 38.6 31.8 47.8



#52

Toluene

Concen: 49.353 ug/l

RT: 7.76 min Scan# 723

Delta R.T. -0.02 min

Lab File: VF060311.D

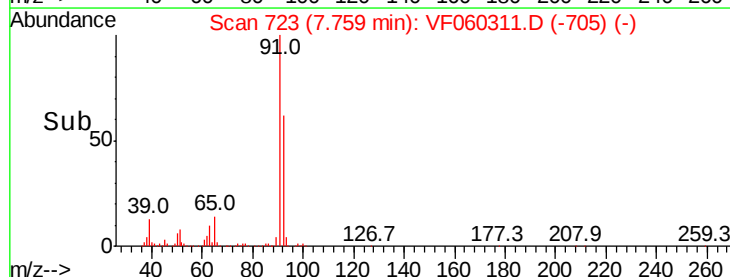
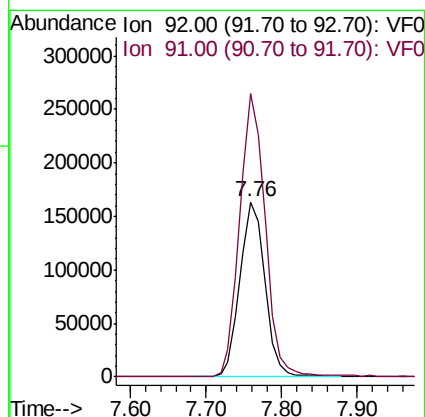
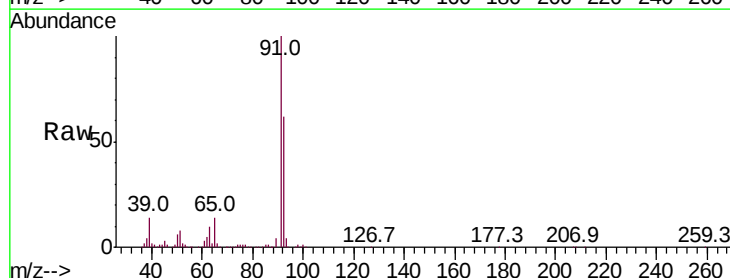
Acq: 21 Sep 2018 12:00

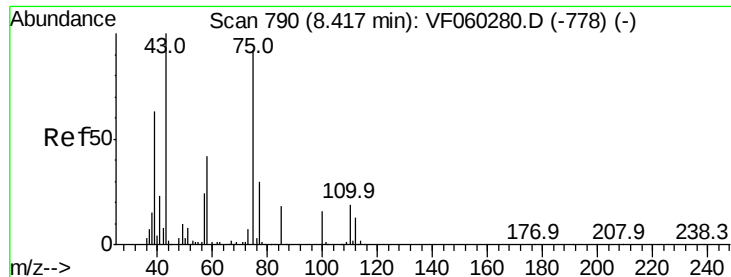
Tgt Ion: 92 Resp: 376775

Ion Ratio Lower Upper

92 100

91 162.1 133.3 199.9

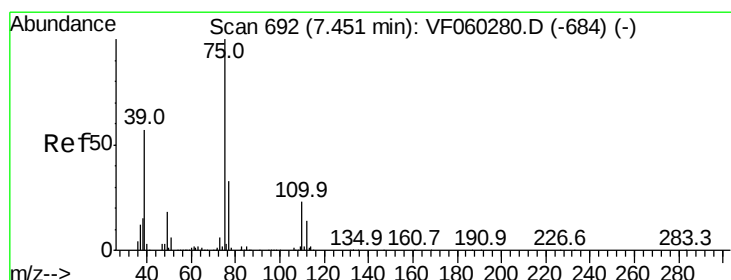
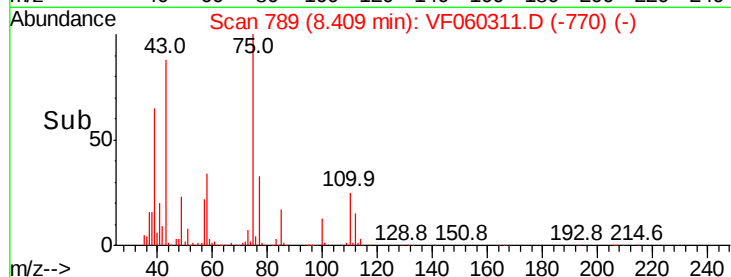
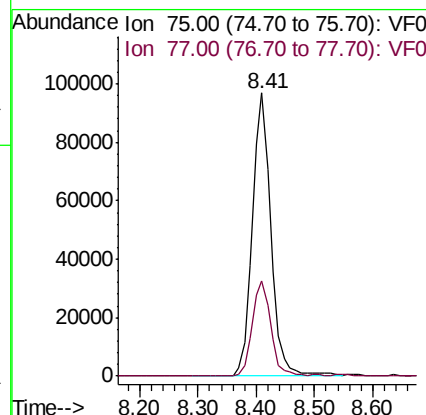
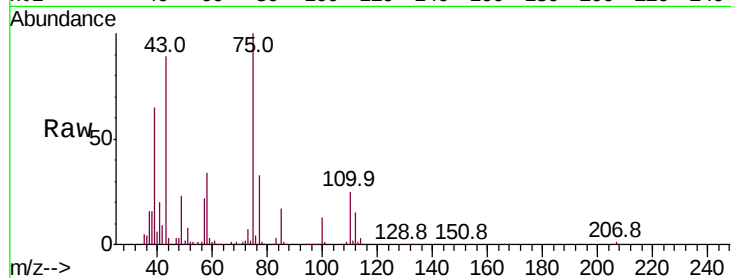




#53
 t-1,3-Dichloropropene
 Concen: 50.219 ug/l
 RT: 8.41 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: VF060311.D
 Acq: 21 Sep 2018 12:00

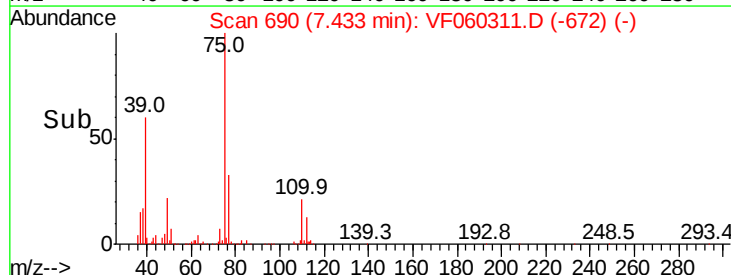
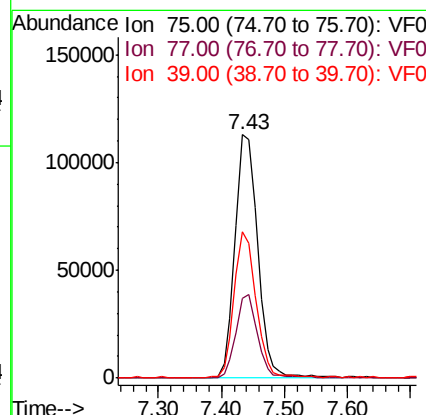
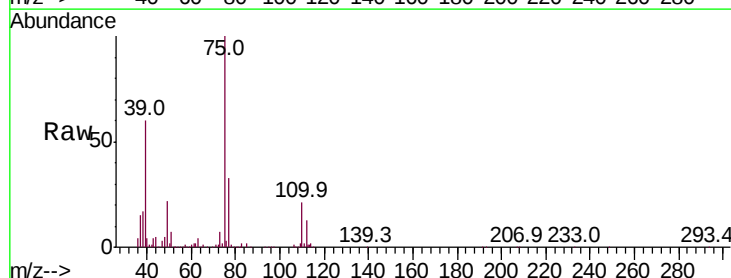
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

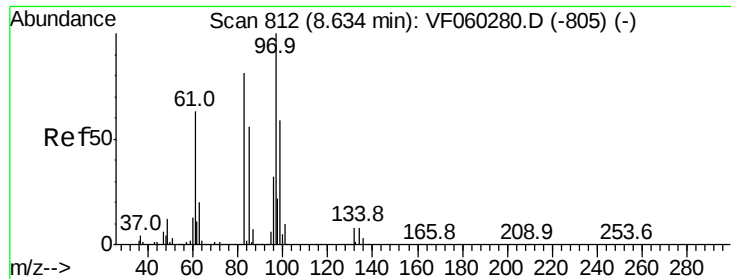
Tot Ion: 75 Resp: 217321
 Ion Ratio Lower Upper
 75 100
 77 33.5 25.9 38.9



#54
 cis-1,3-Dichloropropene
 Concen: 51.702 ug/l
 RT: 7.43 min Scan# 690
 Delta R.T. -0.02 min
 Lab File: VF060311.D
 Acq: 21 Sep 2018 12:00

Tgt Ion: 75 Resp: 281859
 Ion Ratio Lower Upper
 75 100
 77 32.8 26.3 39.5
 39 59.9 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 50.217 ug/l

RT: 8.62 min Scan# 810

Delta R.T. -0.02 min

Lab File: VF060311.D

Acq: 21 Sep 2018 12:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 116358

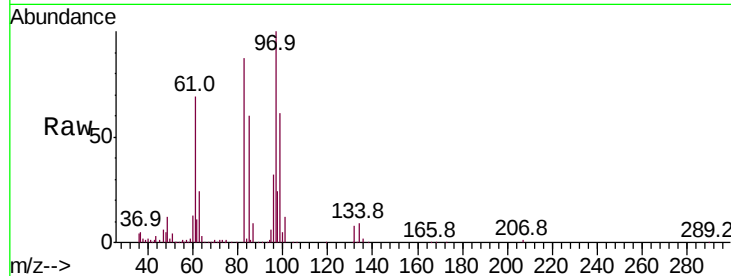
Ion Ratio Lower Upper

97 100

83 86.6 65.3 97.9

85 59.9 44.7 67.1

99 61.3 47.0 70.4

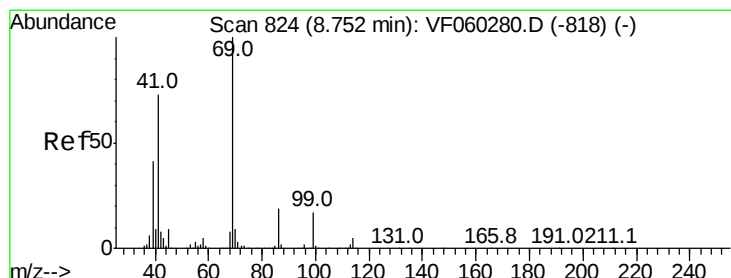
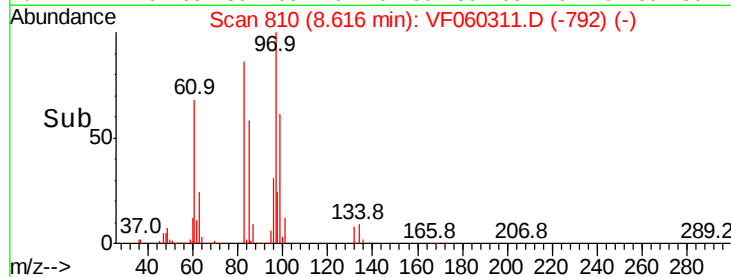
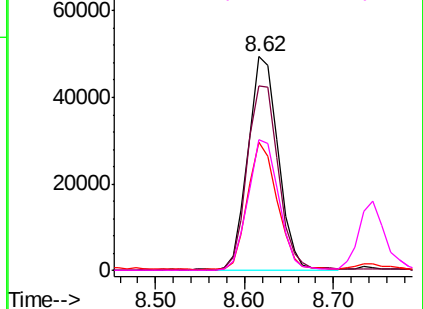


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 55.067 ug/l

RT: 8.74 min Scan# 823

Delta R.T. -0.01 min

Lab File: VF060311.D

Acq: 21 Sep 2018 12:00

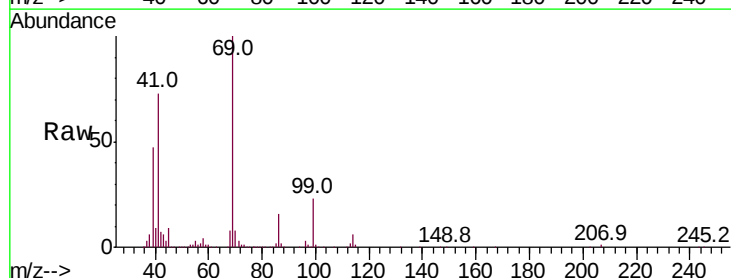
Tgt Ion: 69 Resp: 154099

Ion Ratio Lower Upper

69 100

41 73.1 59.4 89.2

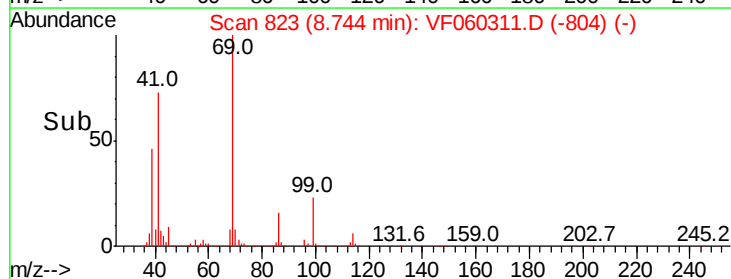
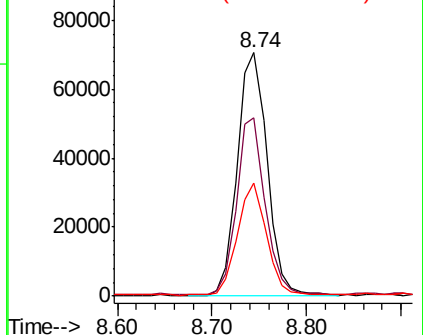
39 46.7 33.5 50.3

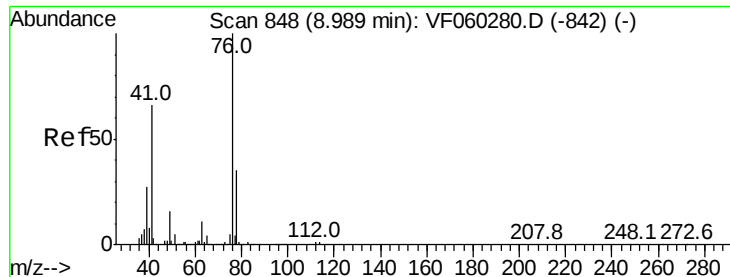


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 53.665 ug/l

RT: 8.98 min Scan# 847

Delta R.T. -0.01 min

Lab File: VF060311.D

Acq: 21 Sep 2018 12:00

Instrument :

MSVOA_F

ClientSampleId :

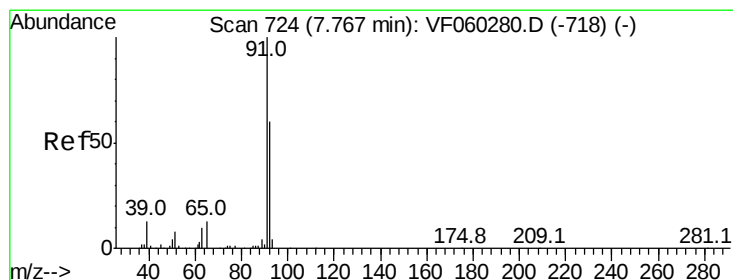
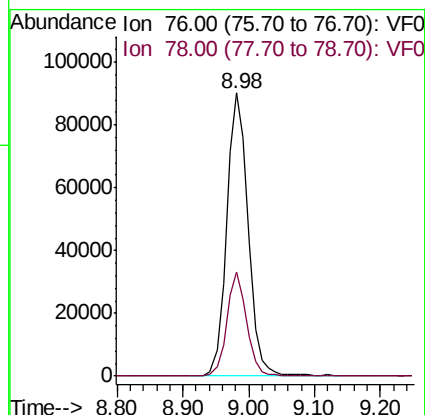
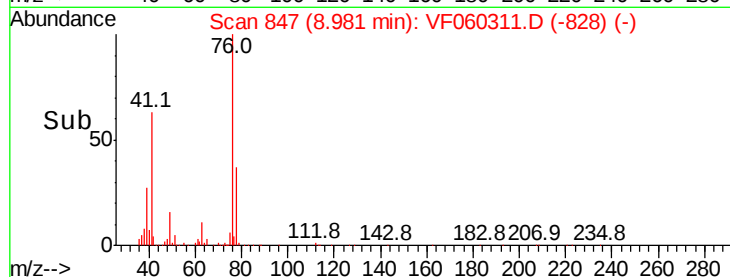
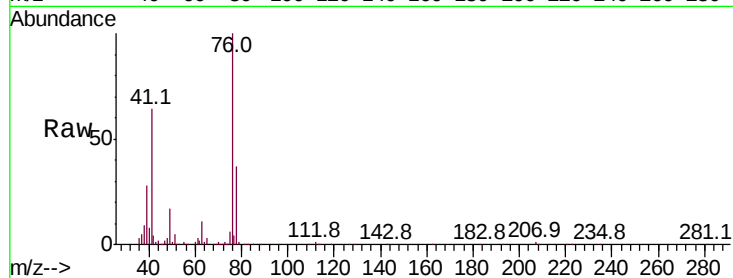
VSTDCCC050

Tot Ion: 76 Resp: 205889

Ion Ratio Lower Upper

76 100

78 36.6 28.2 42.2



#58

2-Chloroethyl Vinyl ether

Concen: 257.595 ug/l

RT: 7.76 min Scan# 723

Delta R.T. -0.01 min

Lab File: VF060311.D

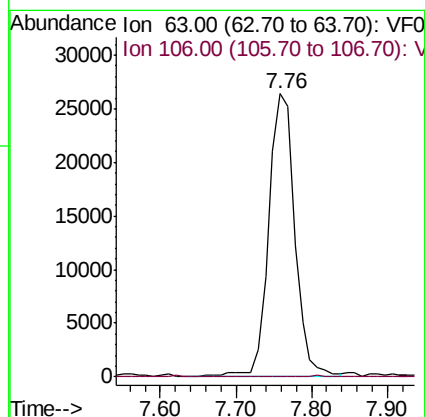
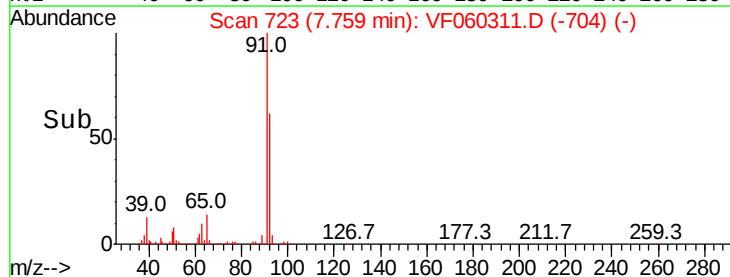
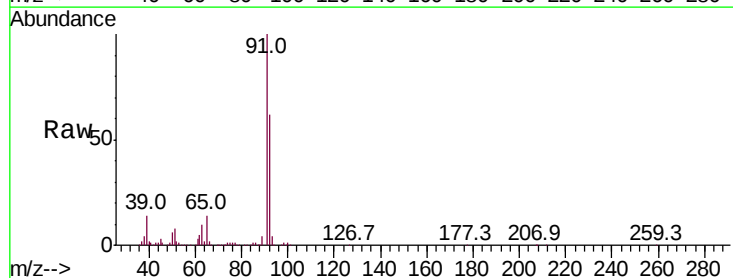
Acq: 21 Sep 2018 12:00

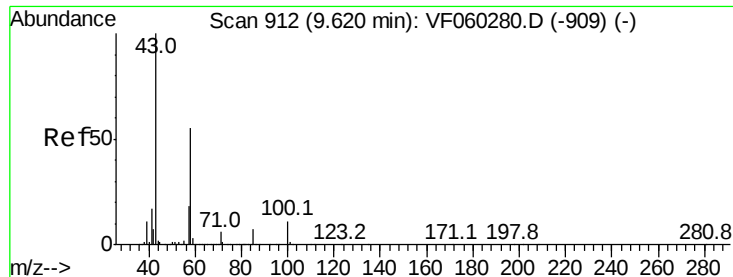
Tgt Ion: 63 Resp: 63726

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

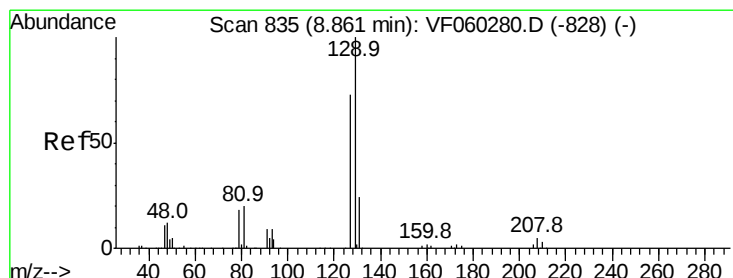
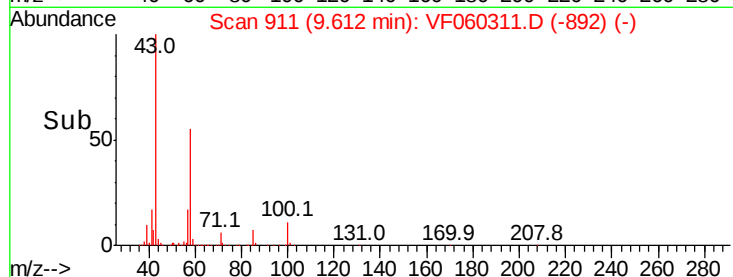
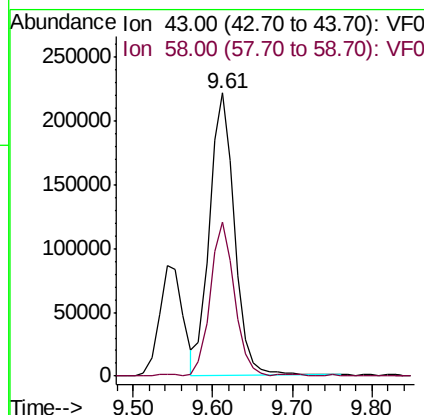
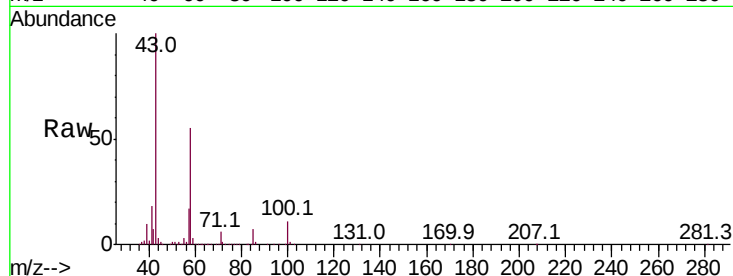




#59
2-Hexanone
Concen: 325.841 ug/l
RT: 9.61 min Scan# 911
Delta R.T. -0.01 min
Lab File: VF060311.D
Acq: 21 Sep 2018 12:00

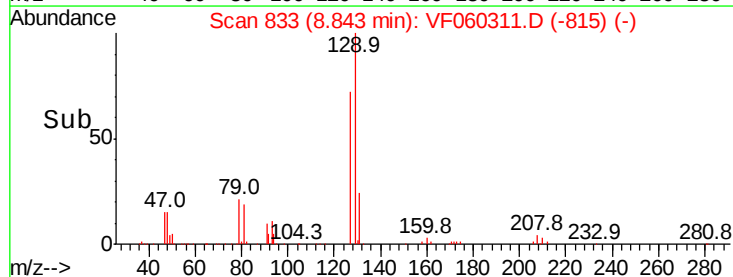
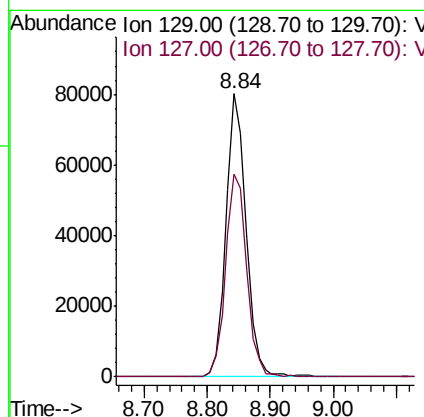
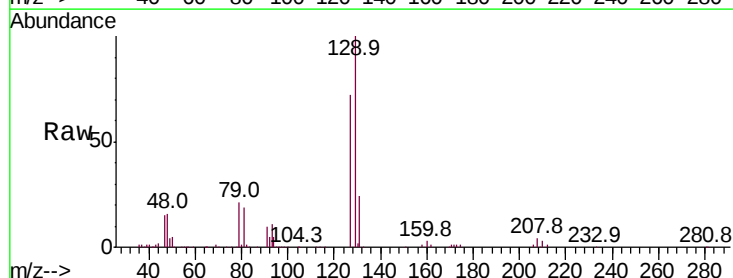
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

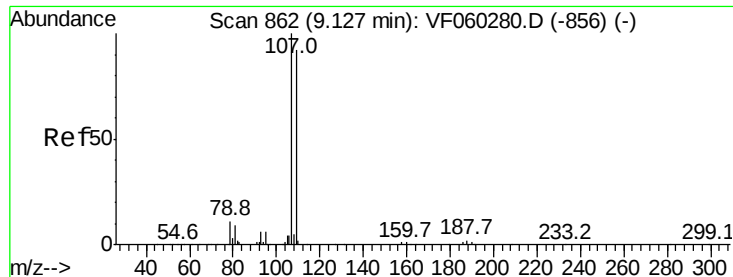
Tot Ion: 43 Resp: 484758
Ion Ratio Lower Upper
43 100
58 54.5 25.9 77.6



#60
Dibromochloromethane
Concen: 51.538 ug/l
RT: 8.84 min Scan# 833
Delta R.T. -0.02 min
Lab File: VF060311.D
Acq: 21 Sep 2018 12:00

Tgt Ion: 129 Resp: 177987
Ion Ratio Lower Upper
129 100
127 71.6 36.6 109.8





#61

1,2-Dibromoethane

Concen: 52.396 ug/l

RT: 9.12 min Scan# 861

Delta R.T. -0.01 min

Lab File: VF060311.D

Acq: 21 Sep 2018 12:00

Instrument :

MSVOA_F

ClientSampleId :

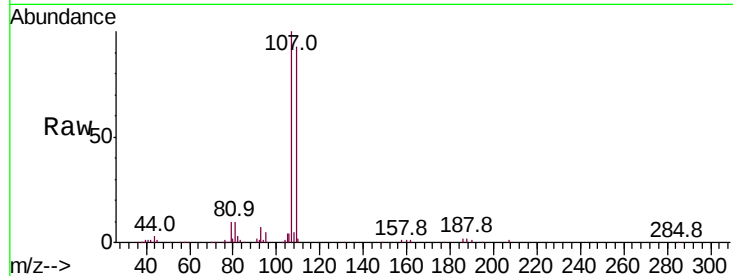
VSTDCCC050

Tot Ion:107 Resp: 135193

Ion Ratio Lower Upper

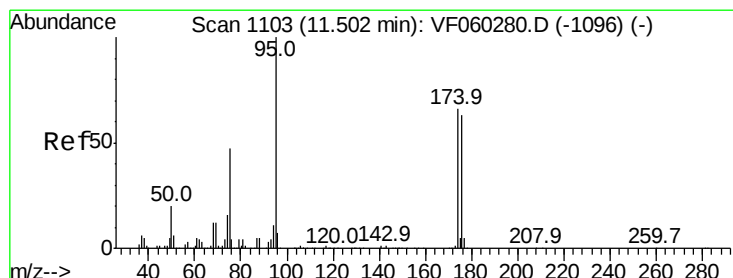
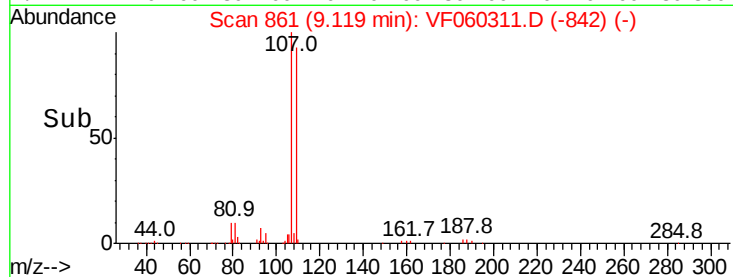
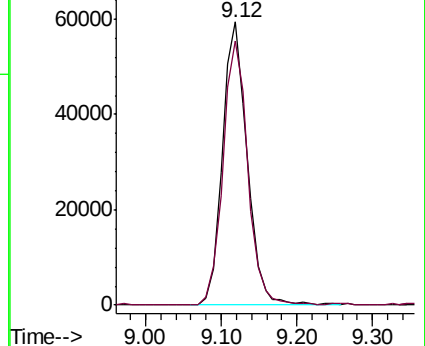
107 100

109 93.1 73.2 109.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 50.792 ug/l

RT: 11.49 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VF060311.D

Acq: 21 Sep 2018 12:00

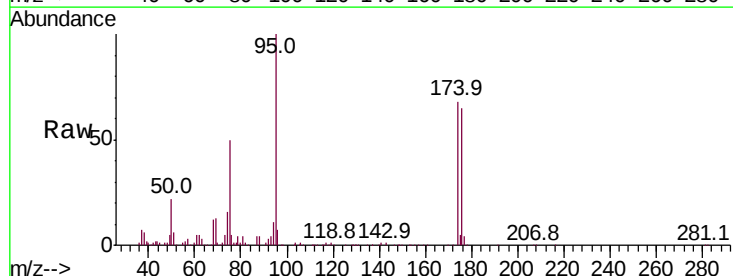
Tgt Ion: 95 Resp: 217469

Ion Ratio Lower Upper

95 100

174 67.8 0.0 131.2

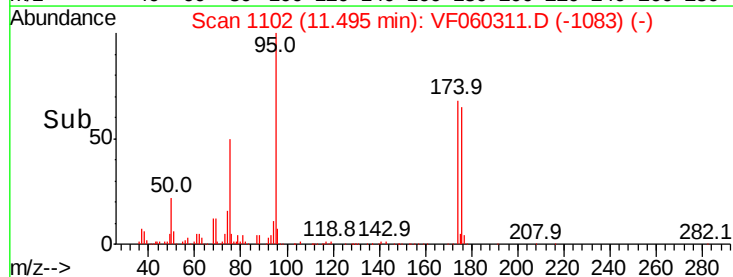
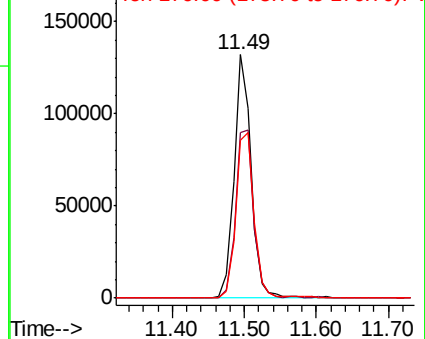
176 64.8 0.0 126.6

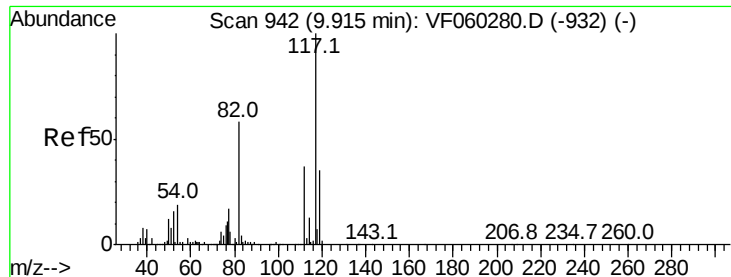


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

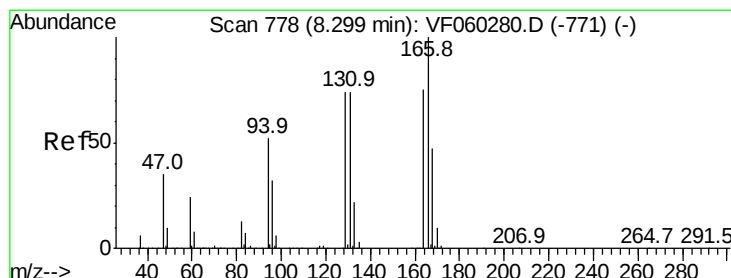
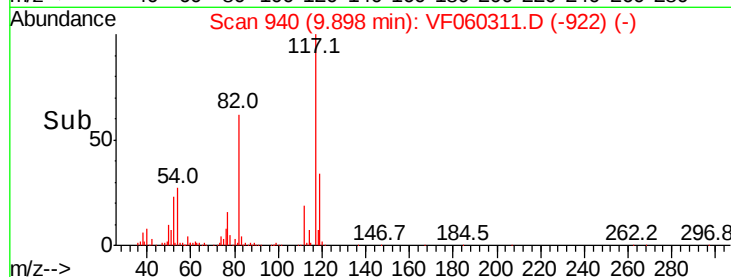
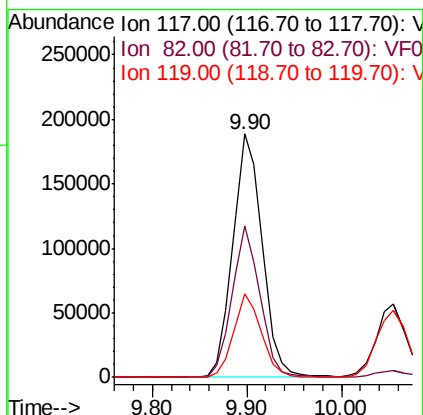
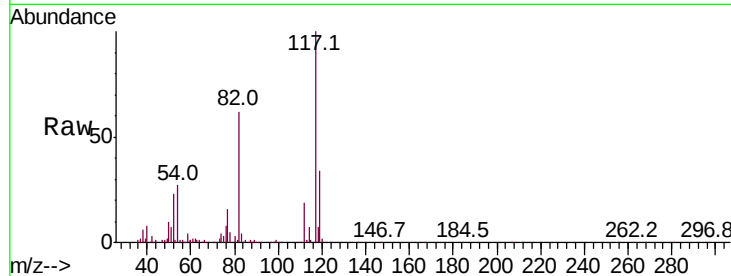




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 940
Delta R.T. -0.02 min
Lab File: VF060311.D
Acq: 21 Sep 2018 12:00

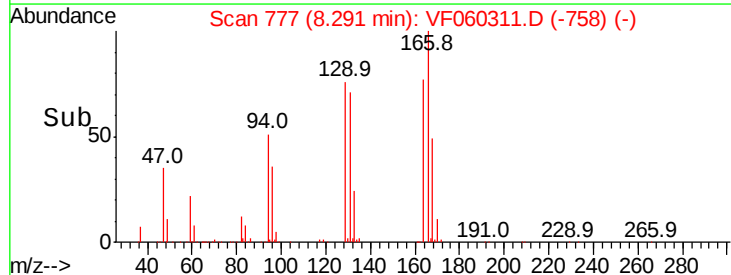
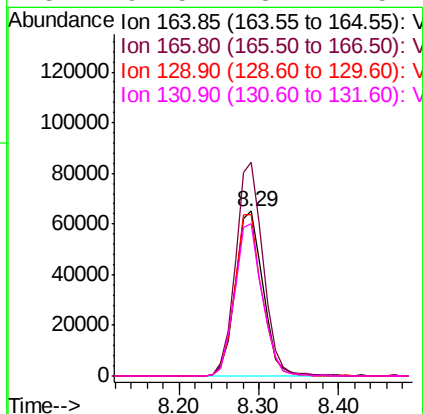
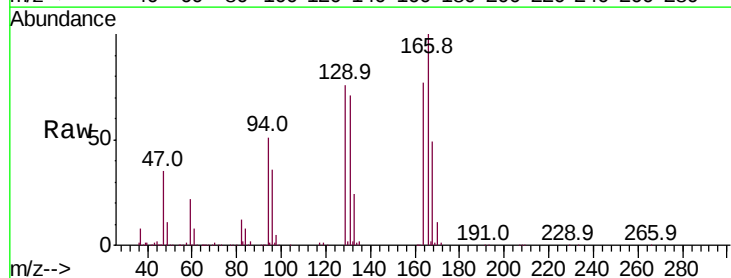
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

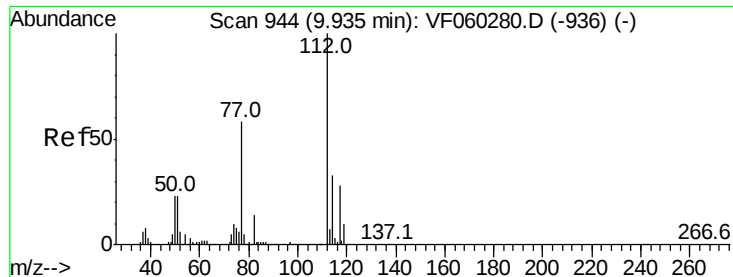
Tot Ion:117 Resp: 407694
Ion Ratio Lower Upper
117 100
82 62.1 46.2 69.2
119 34.3 27.8 41.6



#64
Tetrachloroethene
Concen: 42.410 ug/l
RT: 8.29 min Scan# 777
Delta R.T. -0.01 min
Lab File: VF060311.D
Acq: 21 Sep 2018 12:00

Tgt Ion:164 Resp: 156741
Ion Ratio Lower Upper
164 100
166 129.8 106.8 160.2
129 98.3 78.8 118.2
131 92.5 78.7 118.1





#65

Chlorobenzene

Concen: 46.469 ug/l

RT: 9.92 min Scan# 942

Delta R.T. -0.02 min

Lab File: VF060311.D

Acq: 21 Sep 2018 12:00

Instrument :

MSVOA_F

ClientSampleId :

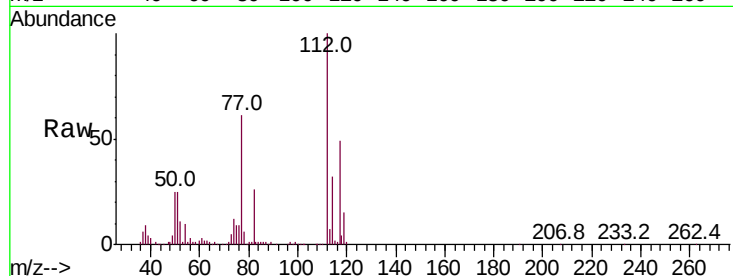
VSTDCCC050

Tot Ion:112 Resp: 429379

Ion Ratio Lower Upper

112 100

114 32.4 26.6 40.0



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

9.92

200000

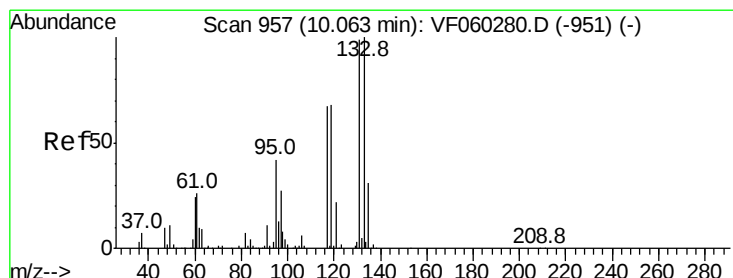
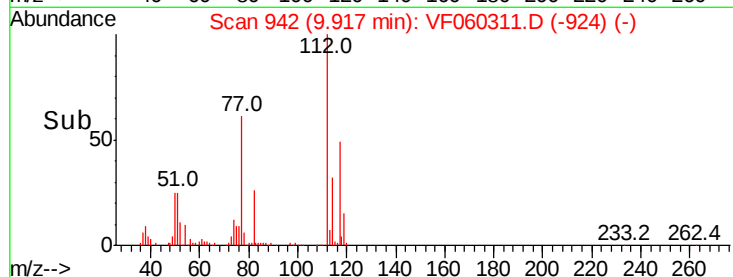
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 46.311 ug/l

RT: 10.06 min Scan# 956

Delta R.T. -0.01 min

Lab File: VF060311.D

Acq: 21 Sep 2018 12:00

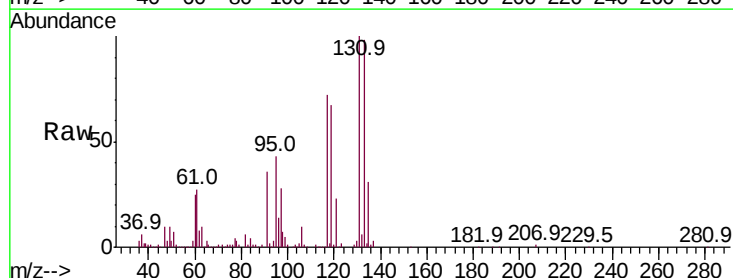
Tgt Ion:131 Resp: 177586

Ion Ratio Lower Upper

131 100

133 98.2 50.4 151.2

119 66.5 34.8 104.3



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

100000

80000

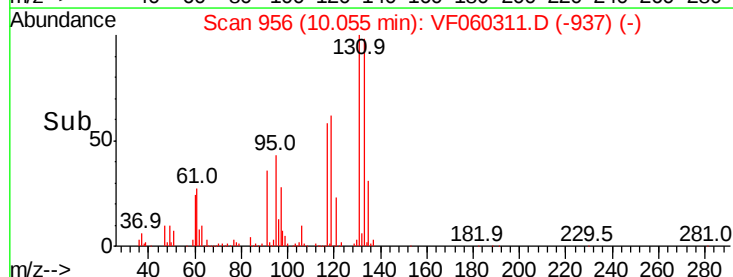
60000

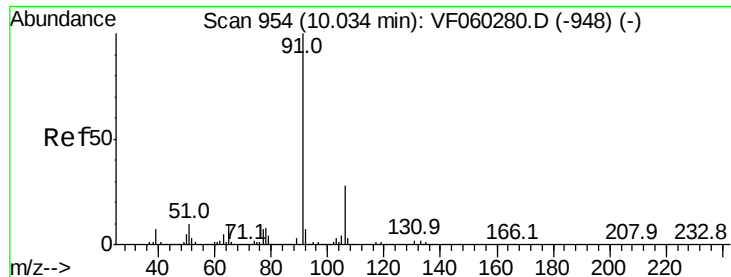
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 44.838 ug/l

RT: 10.03 min Scan# 953

Delta R.T. -0.01 min

Lab File: VF060311.D

Acq: 21 Sep 2018 12:00

Instrument :

MSVOA_F

ClientSampleId :

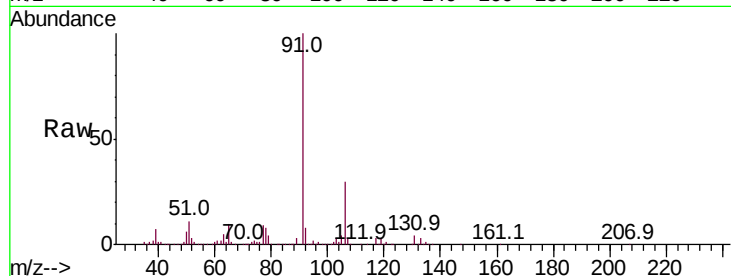
VSTDCCC050

Tot Ion: 91 Resp: 766040

Ion Ratio Lower Upper

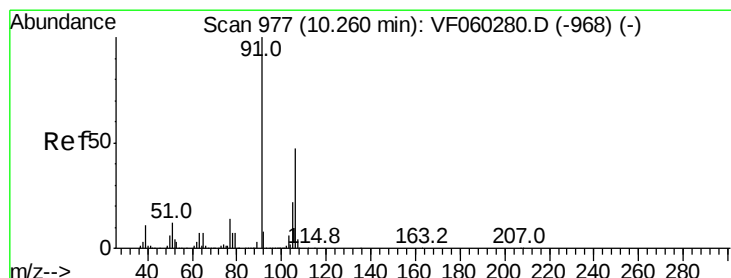
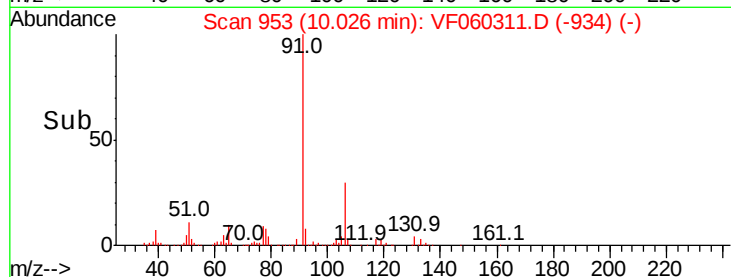
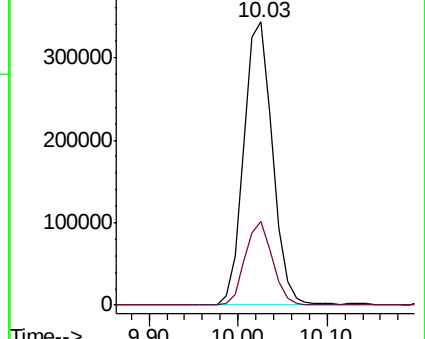
91 100

106 29.7 22.7 34.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 90.528 ug/l

RT: 10.25 min Scan# 976

Delta R.T. -0.01 min

Lab File: VF060311.D

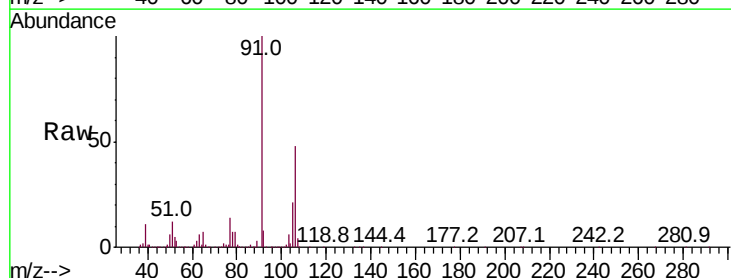
Acq: 21 Sep 2018 12:00

Tgt Ion: 106 Resp: 534344

Ion Ratio Lower Upper

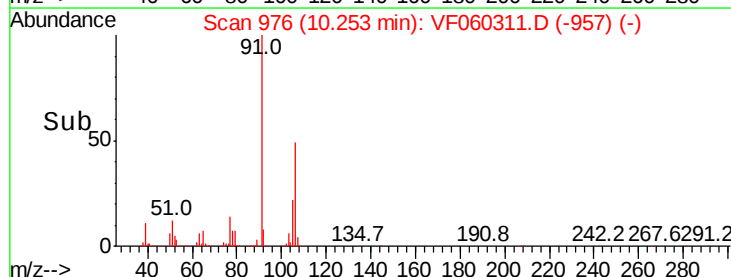
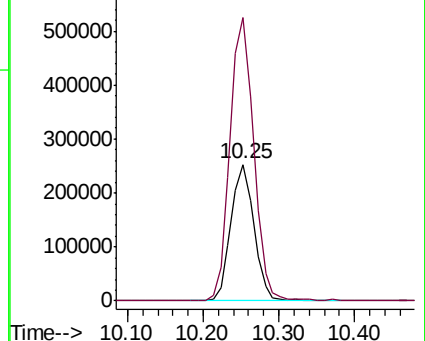
106 100

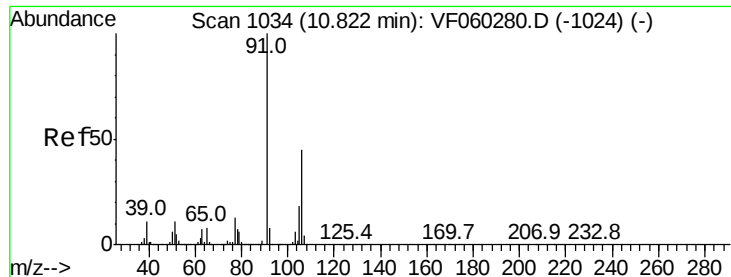
91 207.2 172.3 258.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

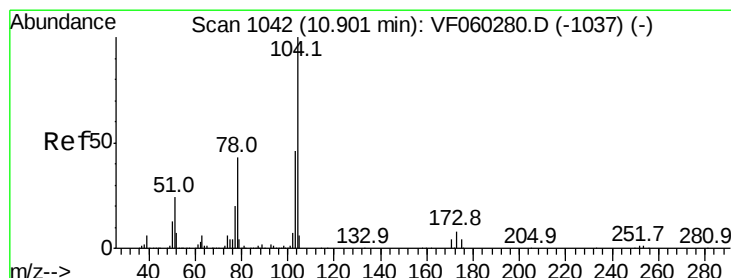
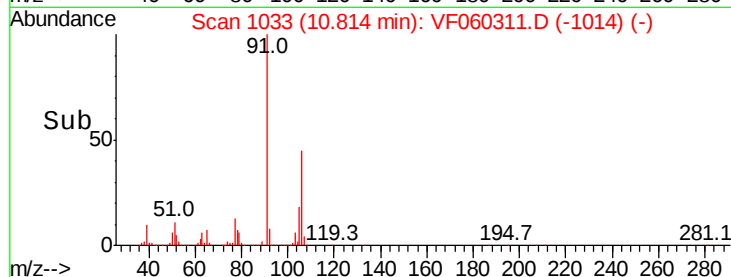
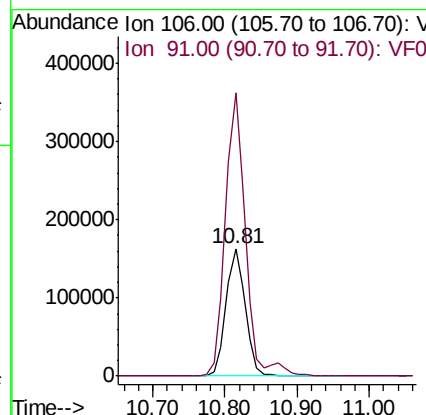
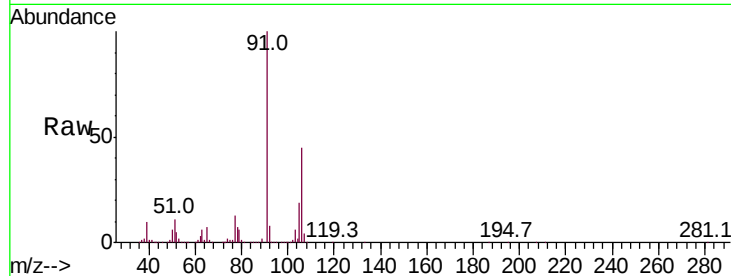




#69
o-Xylene
Concen: 45.697 ug/l
RT: 10.81 min Scan# 1033
Delta R.T. -0.01 min
Lab File: VF060311.D
Acq: 21 Sep 2018 12:00

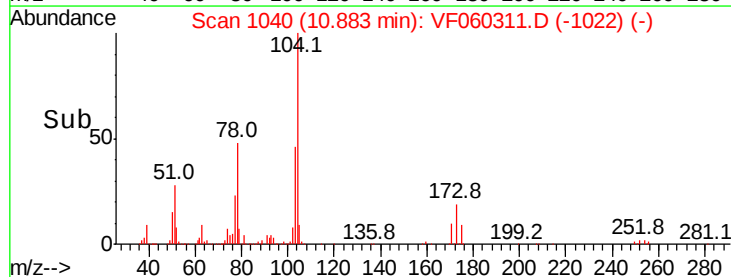
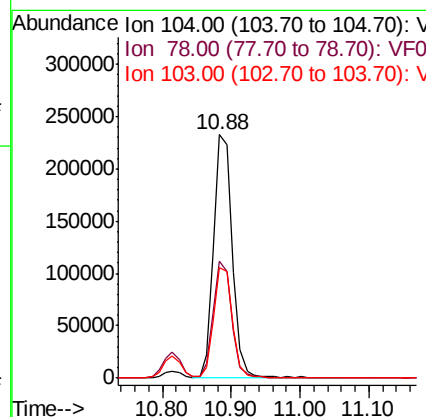
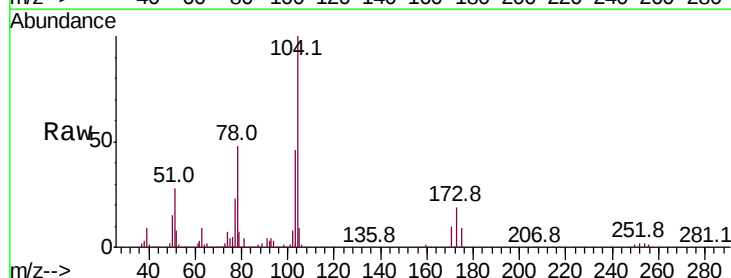
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

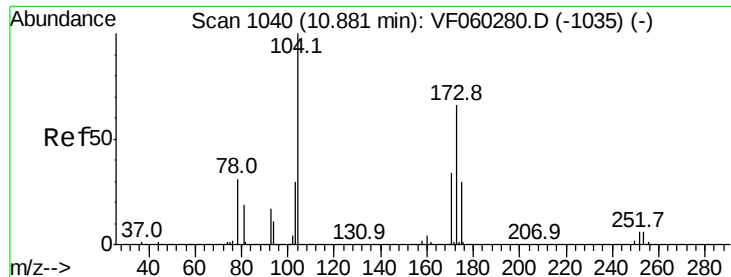
Tot Ion:106 Resp: 302535
Ion Ratio Lower Upper
106 100
91 221.5 110.9 332.6



#70
Styrene
Concen: 47.000 ug/l
RT: 10.88 min Scan# 1040
Delta R.T. -0.02 min
Lab File: VF060311.D
Acq: 21 Sep 2018 12:00

Tgt Ion:104 Resp: 438823
Ion Ratio Lower Upper
104 100
78 48.2 35.0 52.6
103 45.6 37.4 56.0





#71

Bromoform

Concen: 48.027 ug/l

RT: 10.87 min Scan# 1039

Delta R.T. -0.01 min

Lab File: VF060311.D

Acq: 21 Sep 2018 12:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

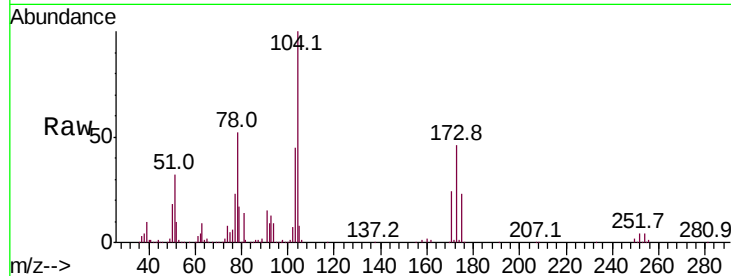
Tot Ion:173 Resp: 101145

Ion Ratio Lower Upper

173 100

175 49.7 22.3 66.9

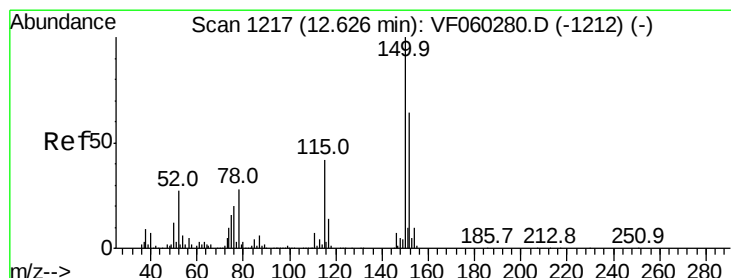
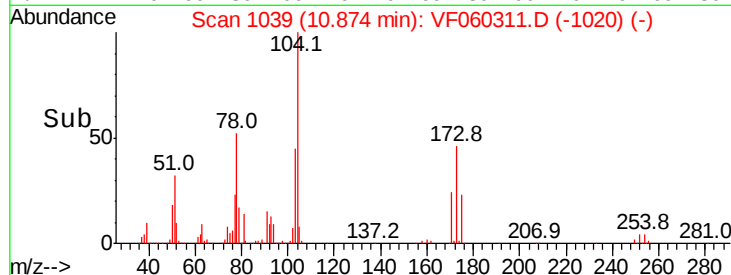
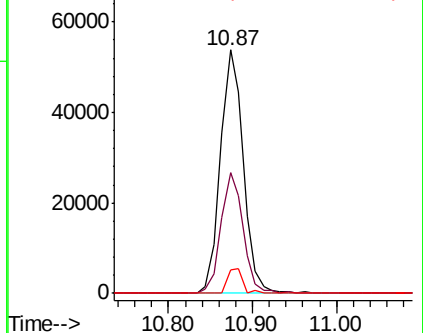
254 9.4 0.0 0.0#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VF060311.D

Acq: 21 Sep 2018 12:00

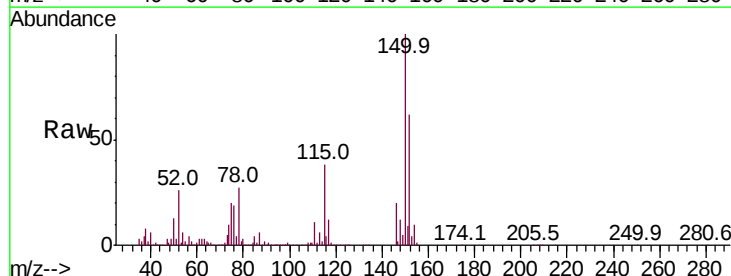
Tgt Ion:152 Resp: 206956

Ion Ratio Lower Upper

152 100

115 61.1 32.6 97.8

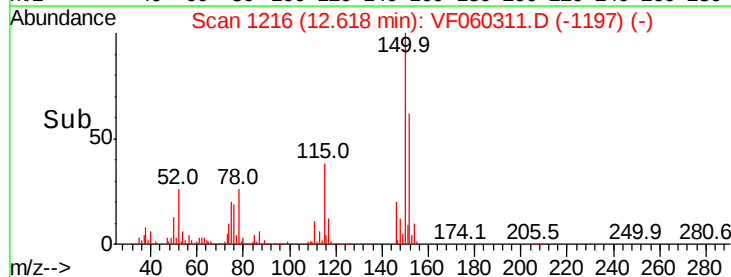
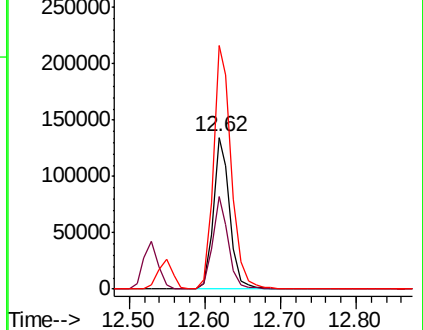
150 160.4 0.0 314.2

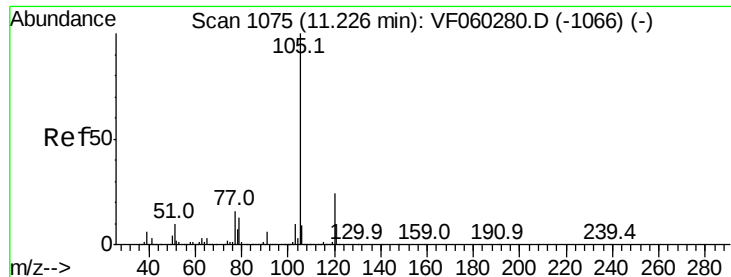


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 46.321 ug/l

RT: 11.22 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VF060311.D

Acq: 21 Sep 2018 12:00

Instrument :

MSVOA_F

ClientSampleId :

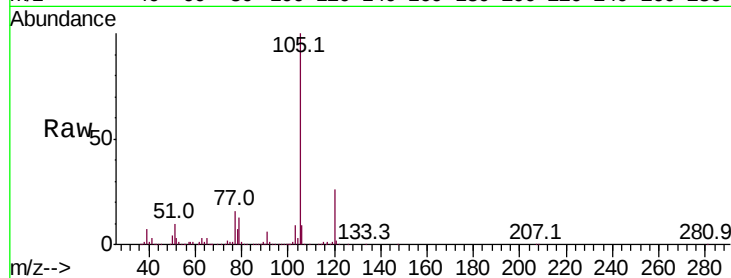
VSTDCCC050

Tot Ion:105 Resp: 860592

Ion Ratio Lower Upper

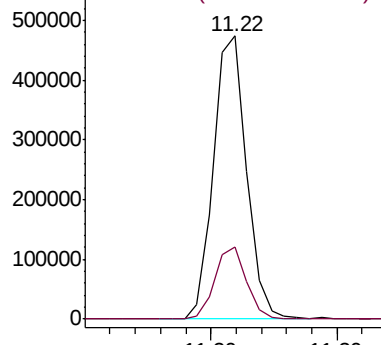
105 100

120 25.6 12.2 36.6

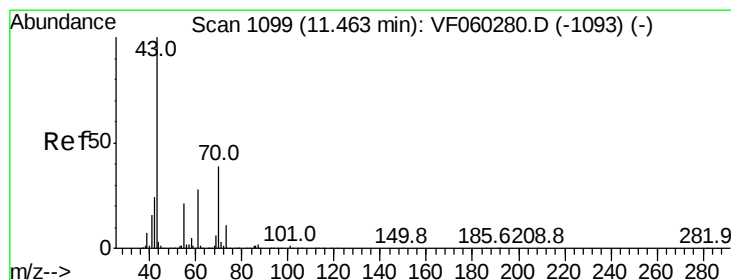
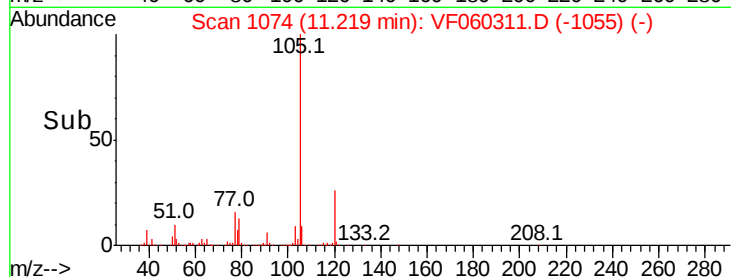


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 57.155 ug/l

RT: 11.46 min Scan# 1098

Delta R.T. -0.01 min

Lab File: VF060311.D

Acq: 21 Sep 2018 12:00

Tgt Ion: 43 Resp: 226440

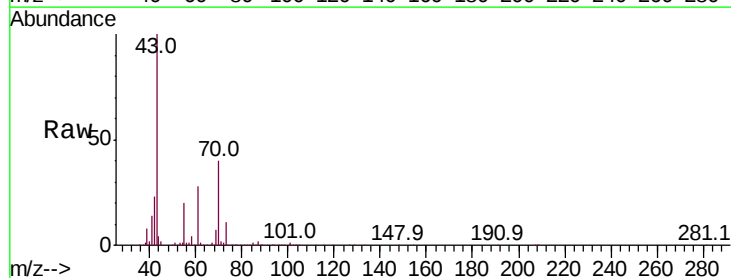
Ion Ratio Lower Upper

43 100

70 39.6 31.4 47.2

55 19.9 16.8 25.2

61 27.8 22.6 34.0

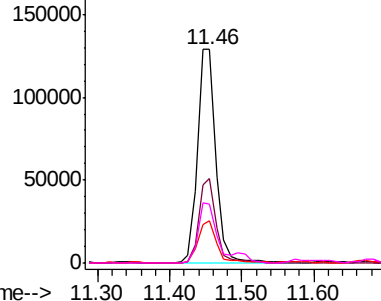


Abundance Ion 43.00 (42.70 to 43.70): VF0

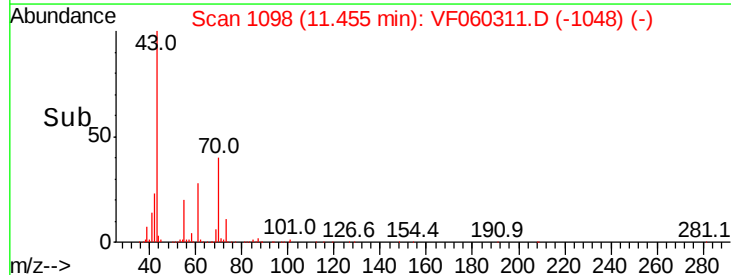
Ion 70.00 (69.70 to 70.70): VF0

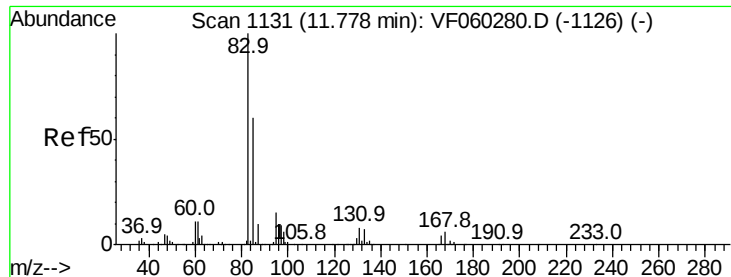
Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.766 ug/l

RT: 11.77 min Scan# 1130

Delta R.T. -0.01 min

Lab File: VF060311.D

Acq: 21 Sep 2018 12:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

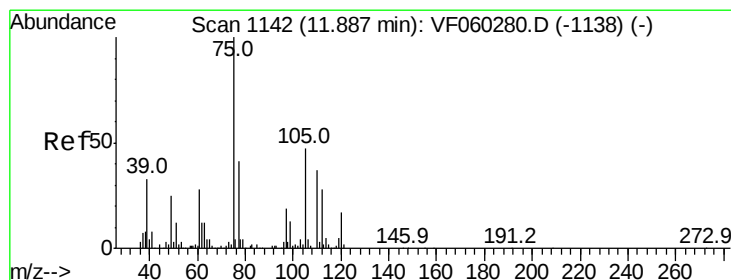
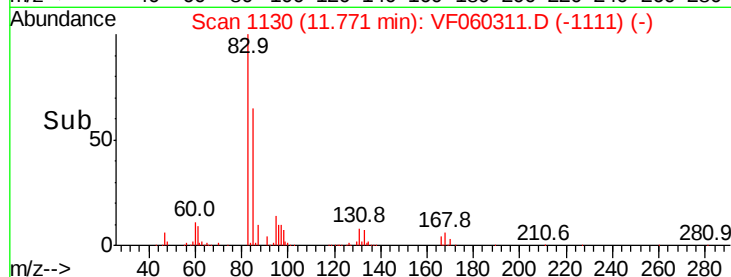
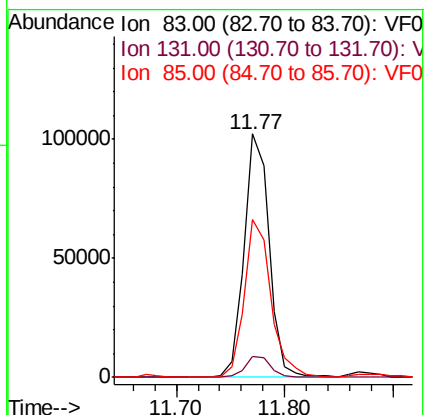
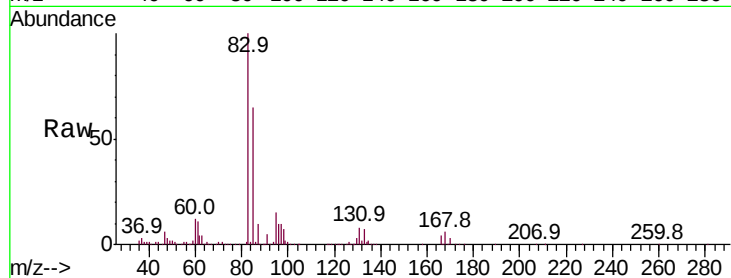
Tot Ion: 83 Resp: 163861

Ion Ratio Lower Upper

83 100

131 8.3 4.2 12.4

85 64.9 30.1 90.5



#76

1,2,3-Trichloropropane

Concen: 49.447 ug/l

RT: 11.87 min Scan# 1140

Delta R.T. -0.02 min

Lab File: VF060311.D

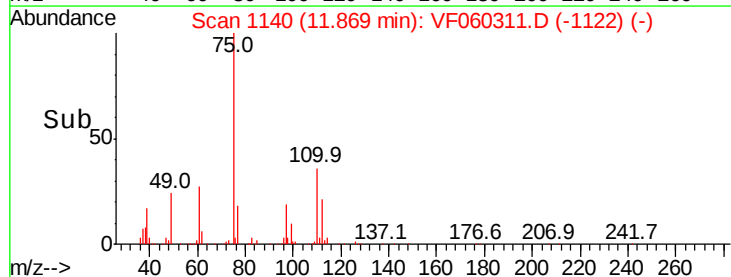
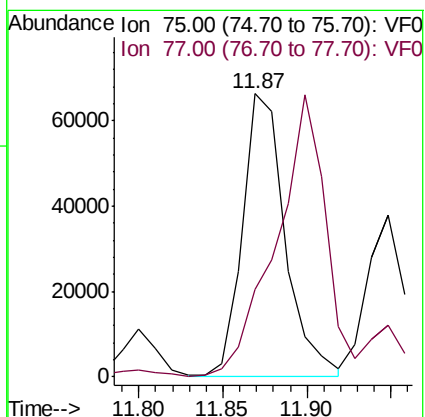
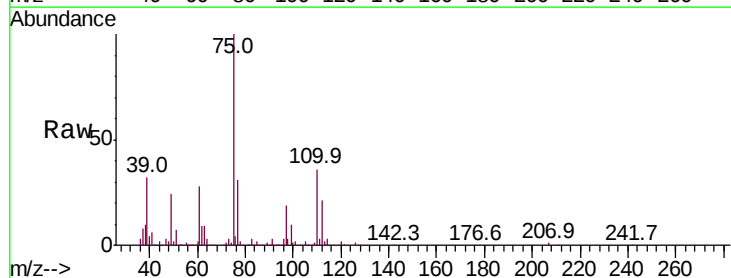
Acq: 21 Sep 2018 12:00

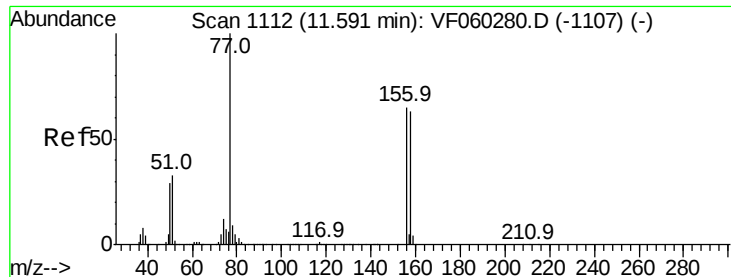
Tgt Ion: 75 Resp: 116575

Ion Ratio Lower Upper

75 100

77 31.1 20.5 61.5





#77

Bromobenzene

Concen: 44.888 ug/l

RT: 11.58 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VF060311.D

Acq: 21 Sep 2018 12:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

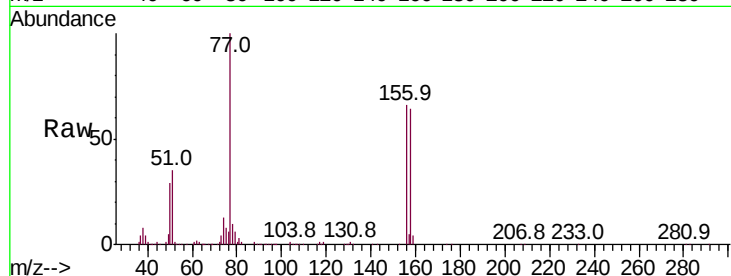
Tot Ion:156 Resp: 179730

Ion Ratio Lower Upper

156 100

77 151.7 77.3 232.1

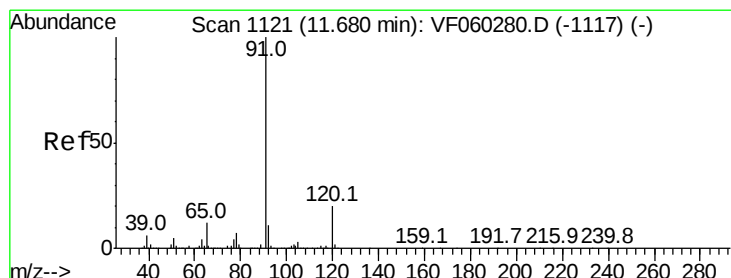
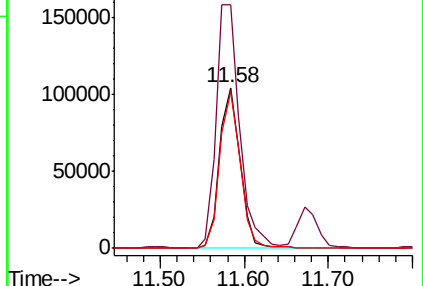
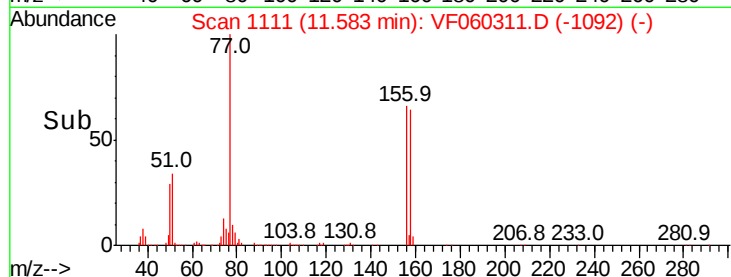
158 97.7 48.4 145.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 58.268 ug/l

RT: 11.67 min Scan# 1120

Delta R.T. -0.01 min

Lab File: VF060311.D

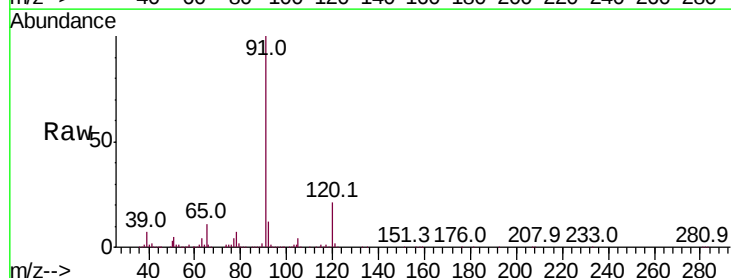
Acq: 21 Sep 2018 12:00

Tgt Ion: 91 Resp: 1041595

Ion Ratio Lower Upper

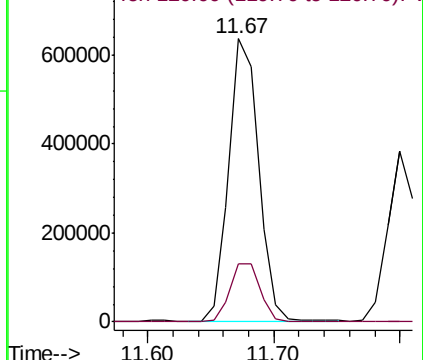
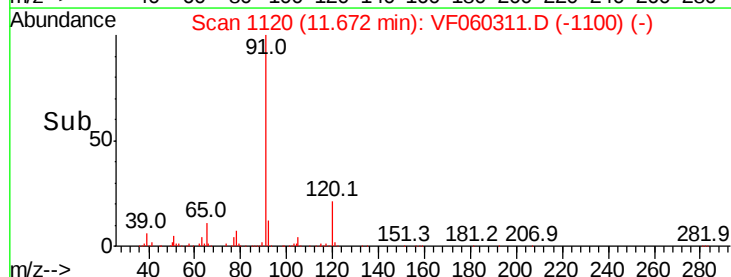
91 100

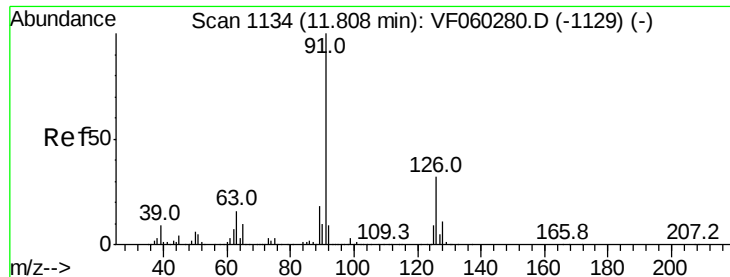
120 20.6 10.0 29.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

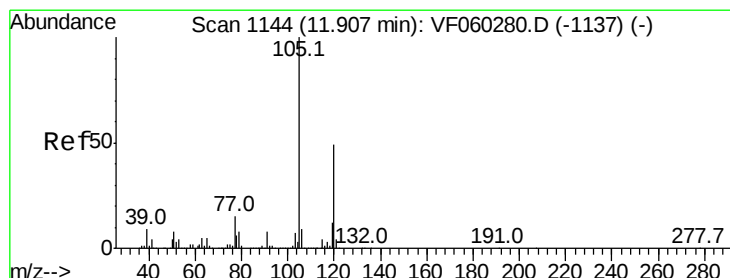
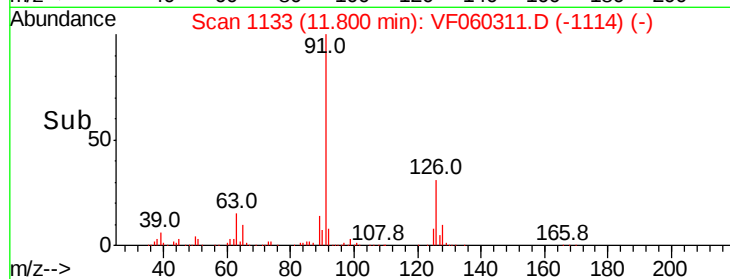
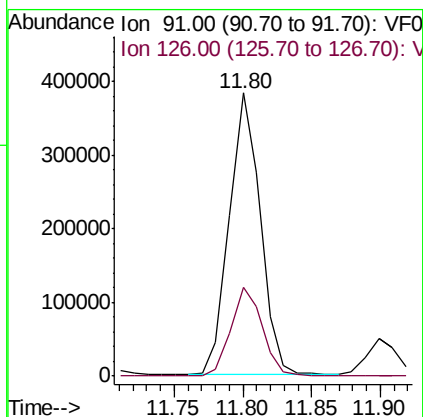
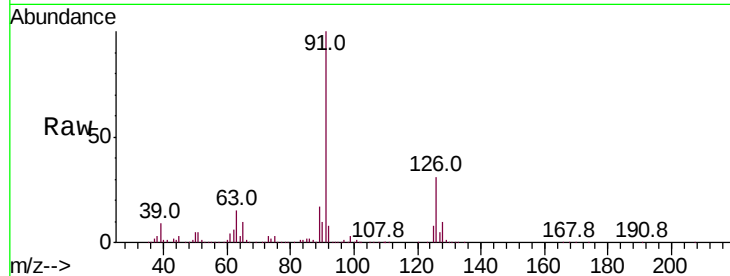




#79
 2-Chlorotoluene
 Concen: 47.896 ug/l
 RT: 11.80 min Scan# 1133
 Delta R.T. -0.01 min
 Lab File: VF060311.D
 Acq: 21 Sep 2018 12:00

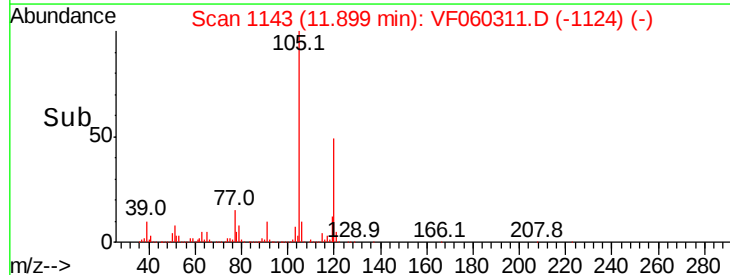
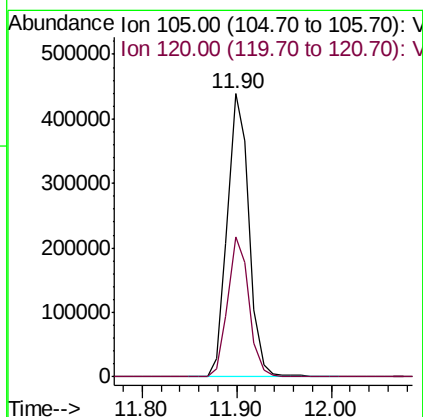
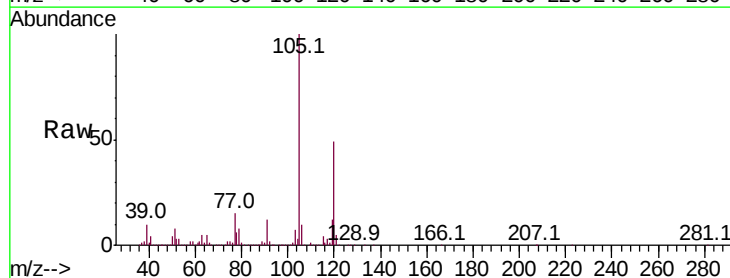
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

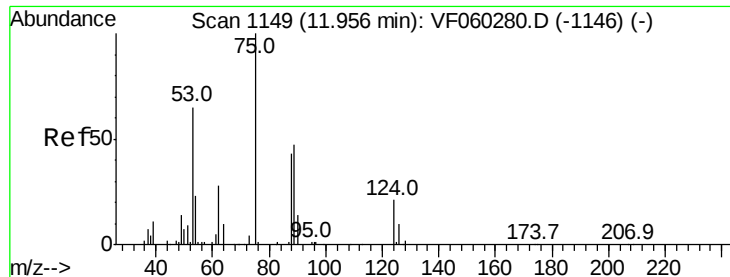
Tot Ion: 91 Resp: 600260
 Ion Ratio Lower Upper
 91 100
 126 31.2 16.1 48.3



#80
 1,3,5-Trimethylbenzene
 Concen: 46.490 ug/l
 RT: 11.90 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VF060311.D
 Acq: 21 Sep 2018 12:00

Tgt Ion:105 Resp: 695283
 Ion Ratio Lower Upper
 105 100
 120 49.4 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 63.567 ug/l

RT: 11.95 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VF060311.D

Acq: 21 Sep 2018 12:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

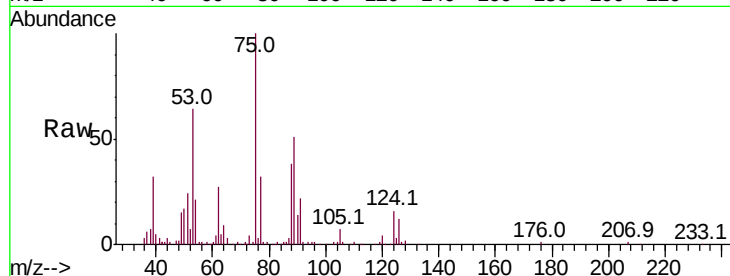
Tot Ion: 75 Resp: 79198

Ion Ratio Lower Upper

75 100

53 63.8 56.5 84.7

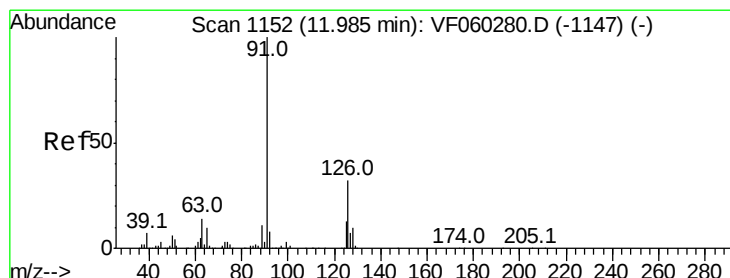
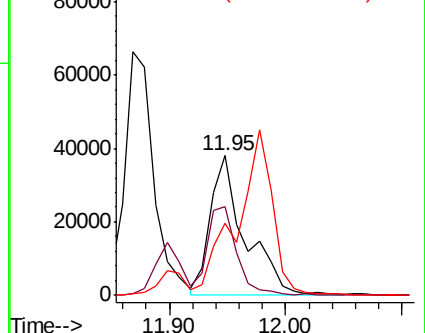
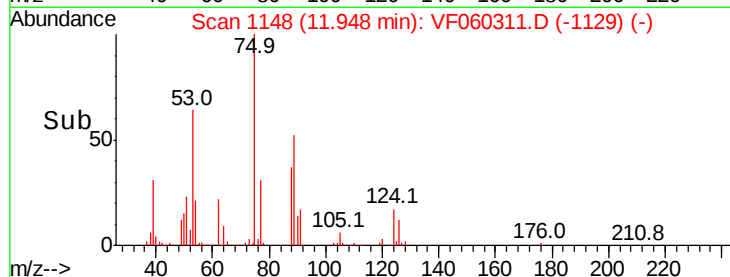
89 51.4 40.6 60.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 47.714 ug/l

RT: 11.98 min Scan# 1151

Delta R.T. -0.01 min

Lab File: VF060311.D

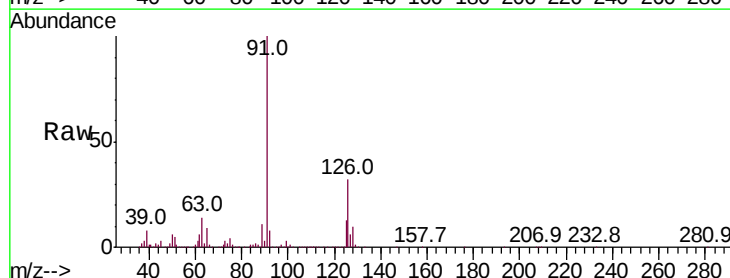
Acq: 21 Sep 2018 12:00

Tgt Ion: 91 Resp: 601032

Ion Ratio Lower Upper

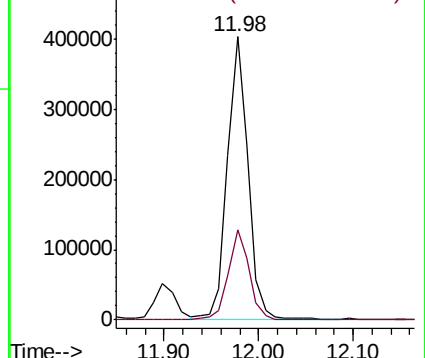
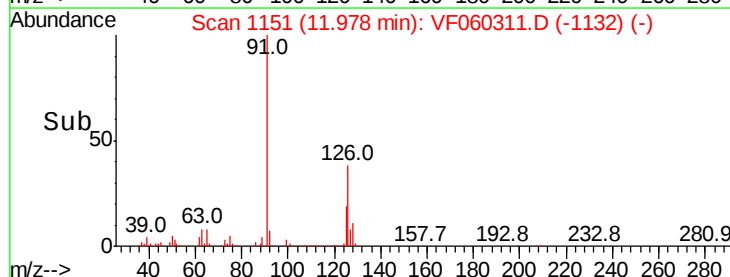
91 100

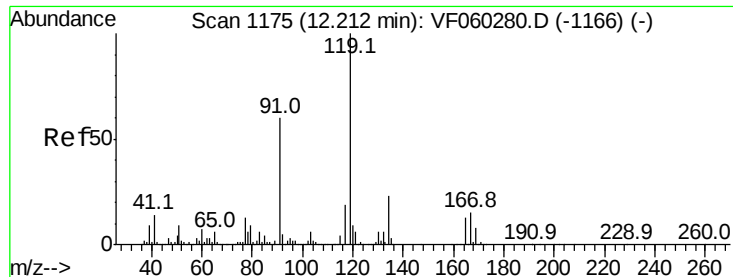
126 31.8 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

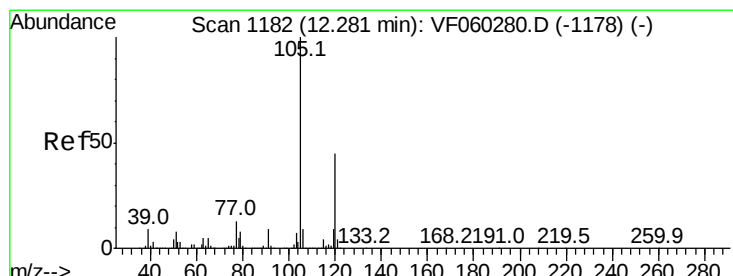
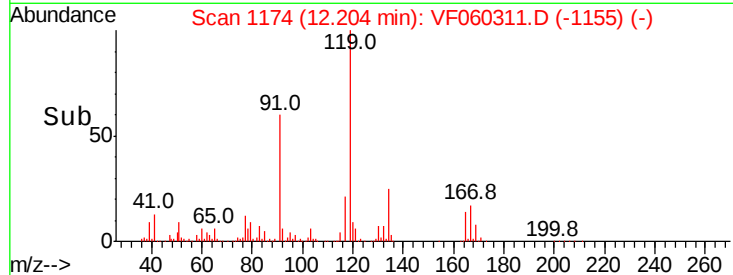
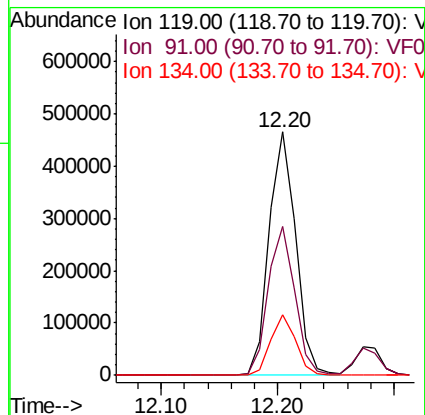
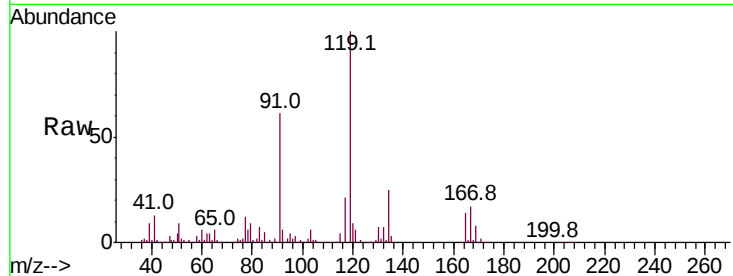




#83
 tert-Butylbenzene
 Concen: 48.705 ug/l
 RT: 12.20 min Scan# 1174
 Delta R.T. -0.01 min
 Lab File: VF060311.D
 Acq: 21 Sep 2018 12:00

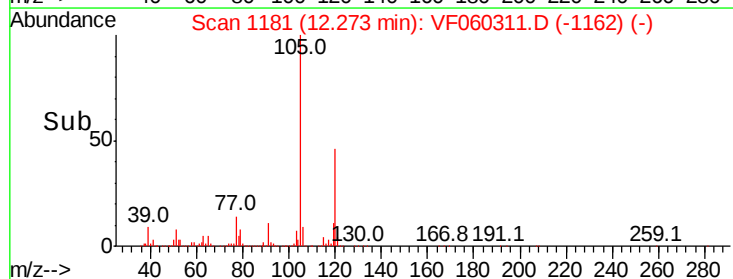
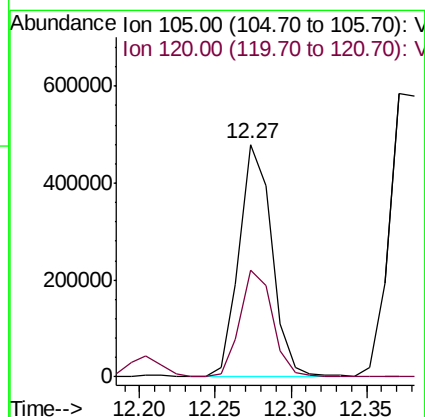
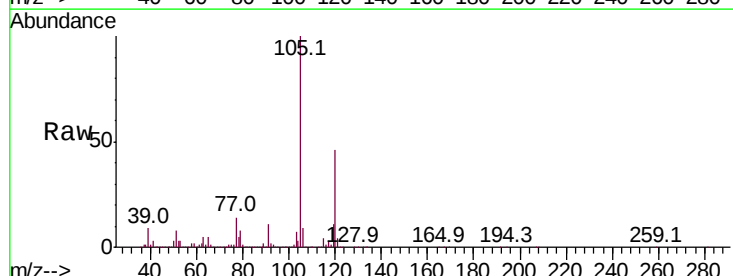
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

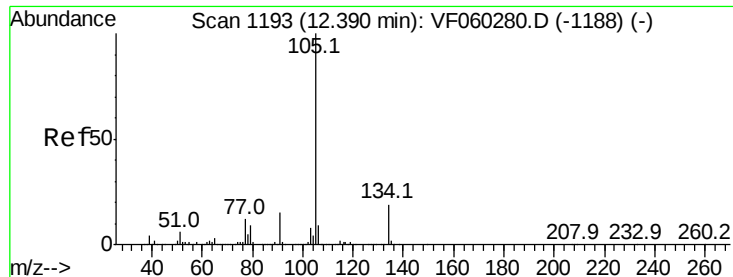
Tot Ion	Ratio	Lower	Upper
119	100		
91	61.4	30.3	91.0
134	24.8	11.6	34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 47.750 ug/l
 RT: 12.27 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VF060311.D
 Acq: 21 Sep 2018 12:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.4	67.0





#85

sec-Butylbenzene

Concen: 56.082 ug/l

RT: 12.37 min Scan# 1191

Delta R.T. -0.02 min

Lab File: VF060311.D

Acq: 21 Sep 2018 12:00

Instrument :

MSVOA_F

ClientSampleId :

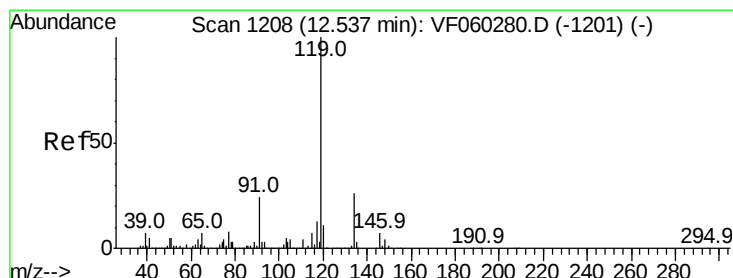
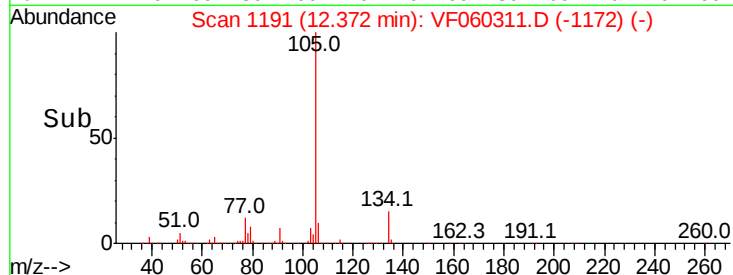
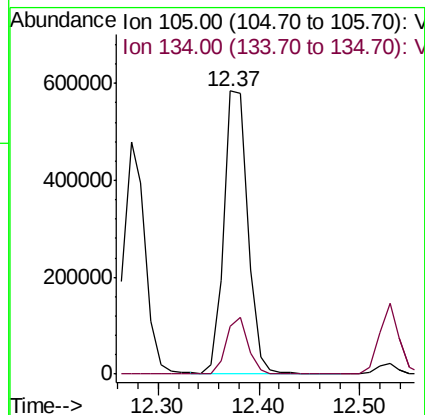
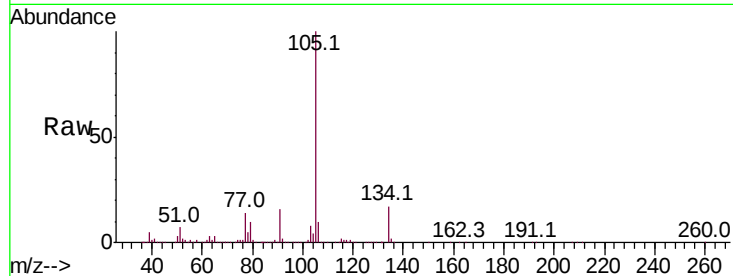
VSTDCCC050

Tot Ion:105 Resp: 972064

Ion Ratio Lower Upper

105 100

134 16.7 9.6 28.6



#86

p-Isopropyltoluene

Concen: 59.291 ug/l

RT: 12.53 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VF060311.D

Acq: 21 Sep 2018 12:00

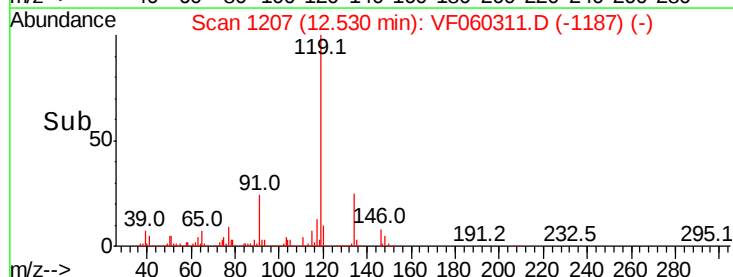
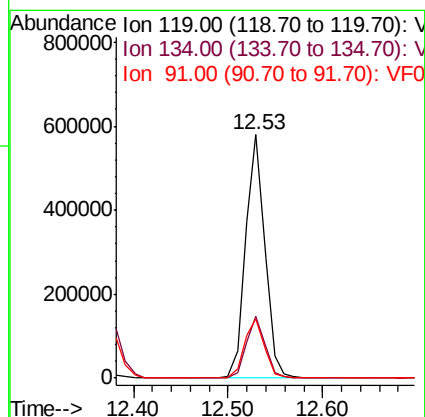
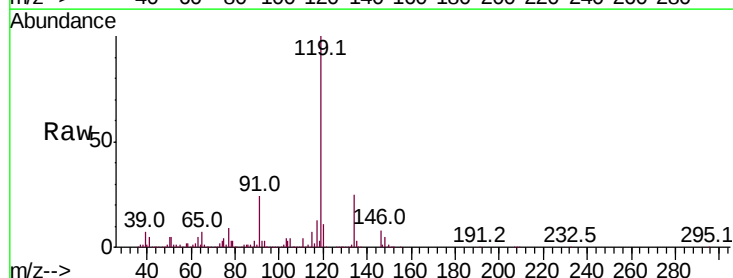
Tgt Ion:119 Resp: 815511

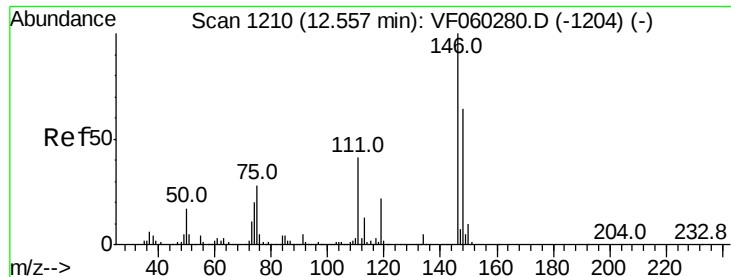
Ion Ratio Lower Upper

119 100

134 25.3 12.9 38.7

91 24.3 11.9 35.7





#87

1,3-Dichlorobenzene

Concen: 48.356 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. -0.01 min

Lab File: VF060311.D

Acq: 21 Sep 2018 12:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

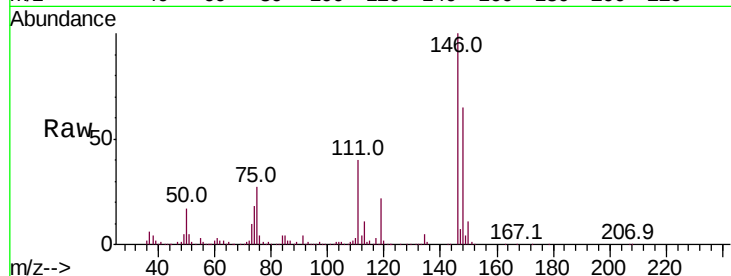
Tot Ion:146 Resp: 361805

Ion Ratio Lower Upper

146 100

111 40.0 20.5 61.6

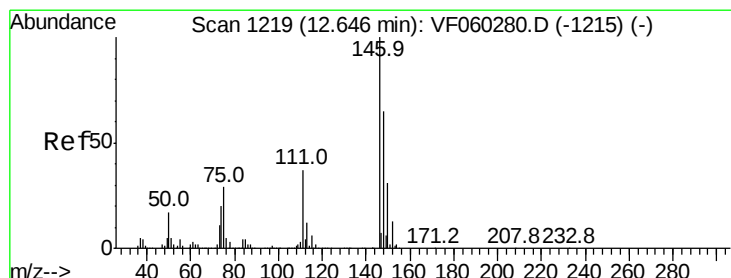
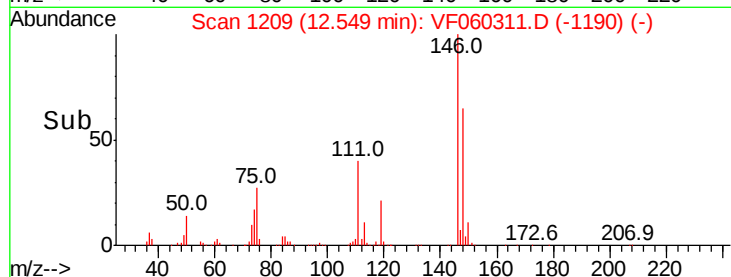
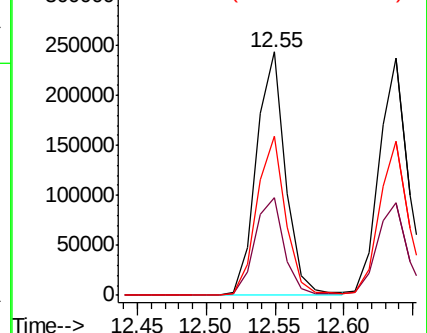
148 65.2 32.2 96.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 47.097 ug/l

RT: 12.64 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VF060311.D

Acq: 21 Sep 2018 12:00

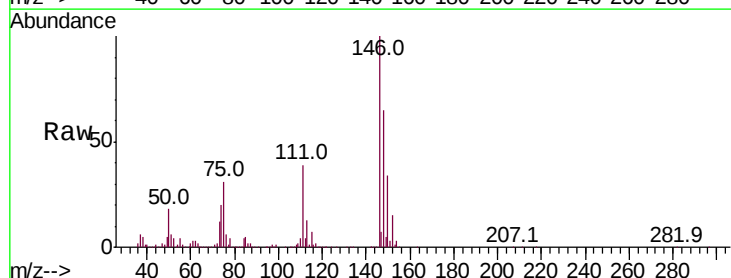
Tgt Ion:146 Resp: 348298

Ion Ratio Lower Upper

146 100

111 39.2 18.7 56.1

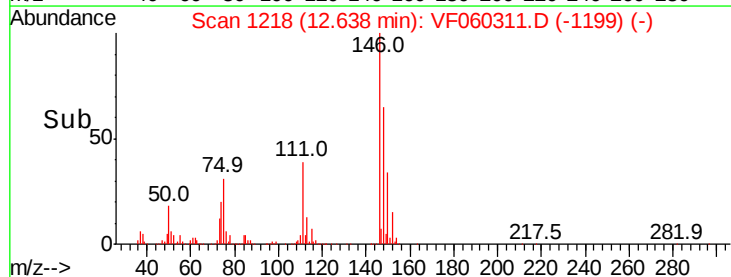
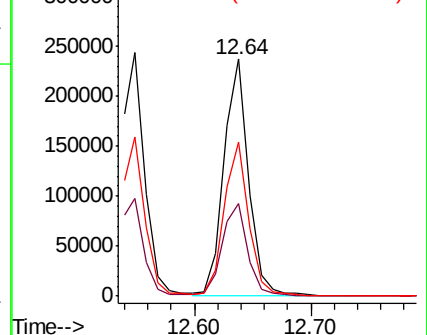
148 64.9 32.4 97.0

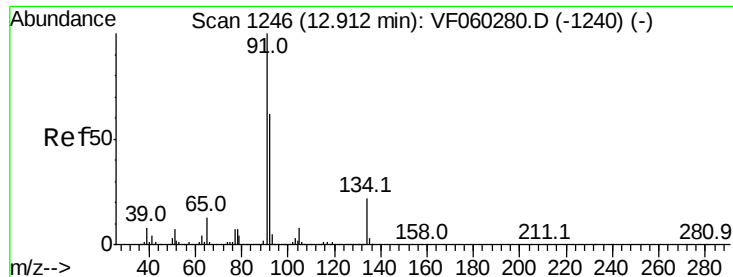


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

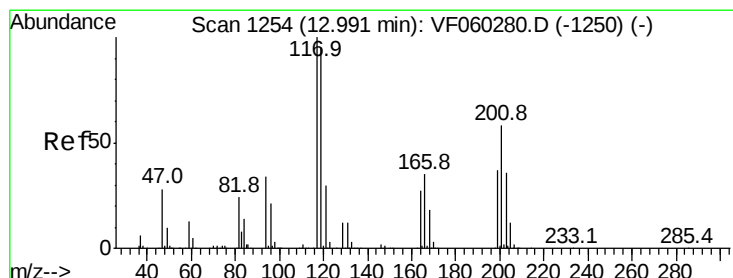
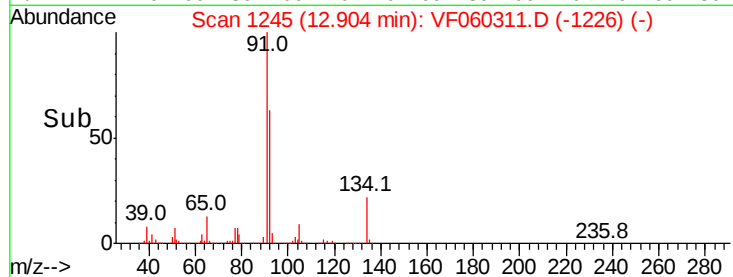
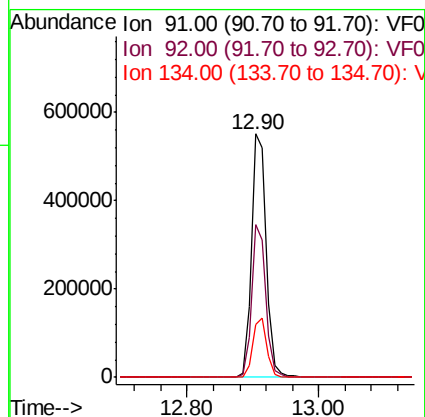
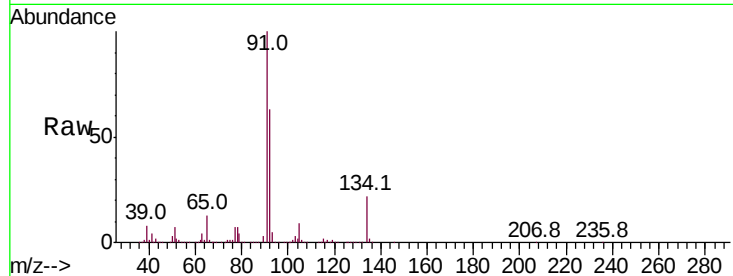




#89
n-Butylbenzene
Concen: 55.424 ug/l
RT: 12.90 min Scan# 1245
Delta R.T. -0.01 min
Lab File: VF060311.D
Acq: 21 Sep 2018 12:00

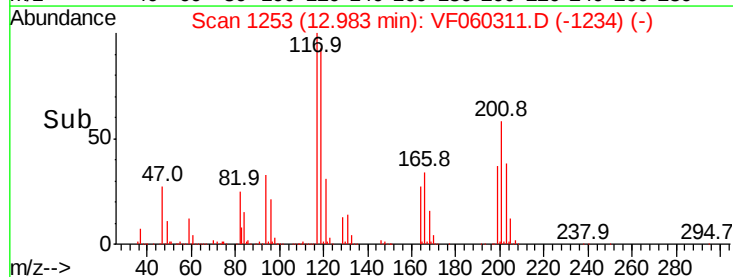
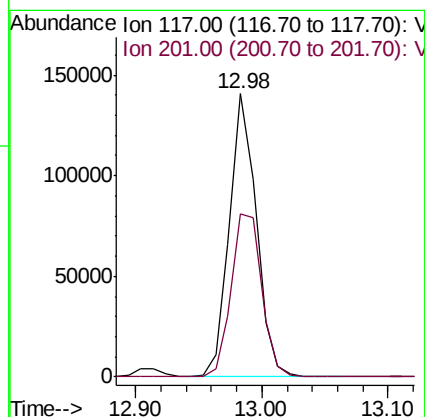
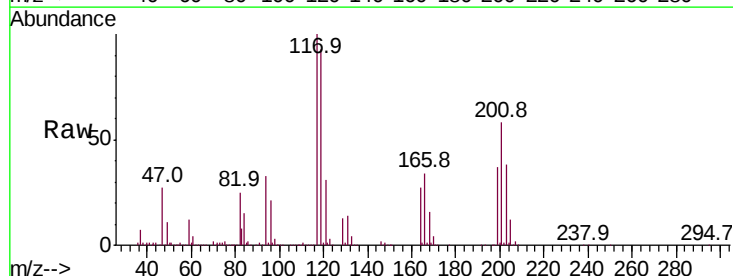
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

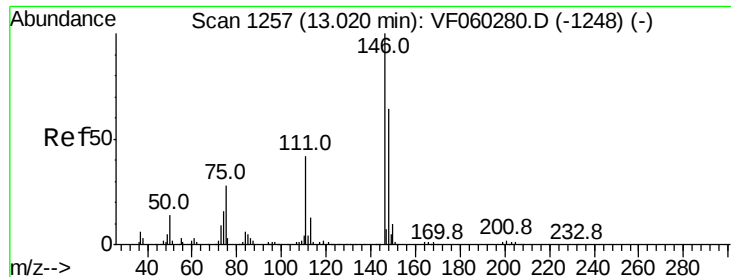
Tot Ion	Ratio	Lower	Upper
91	100		
92	62.7	31.1	93.5
134	21.6	11.0	33.0



#90
Hexachloroethane
Concen: 48.694 ug/l
RT: 12.98 min Scan# 1253
Delta R.T. -0.01 min
Lab File: VF060311.D
Acq: 21 Sep 2018 12:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	57.6	29.0	87.0





#91

1,2-Dichlorobenzene

Concen: 47.291 ug/l

RT: 13.01 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VF060311.D

Acq: 21 Sep 2018 12:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

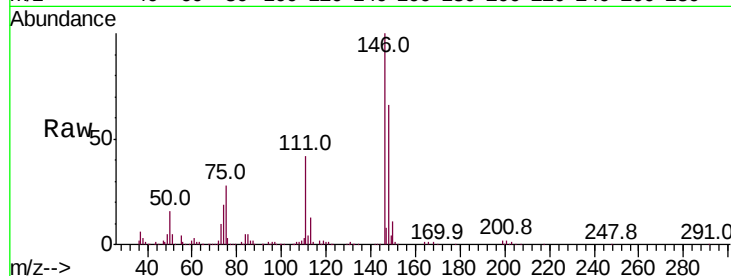
Tot Ion:146 Resp: 337536

Ion Ratio Lower Upper

146 100

111 42.0 20.9 62.8

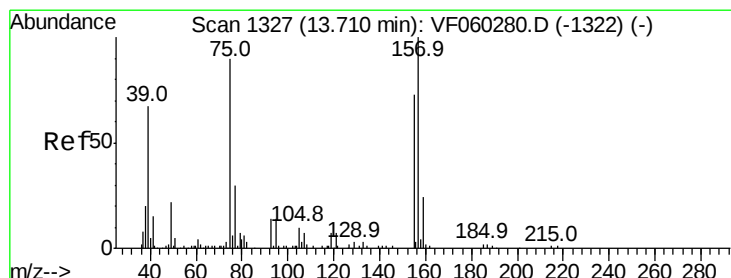
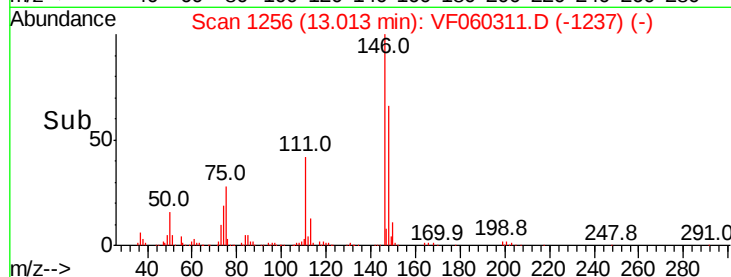
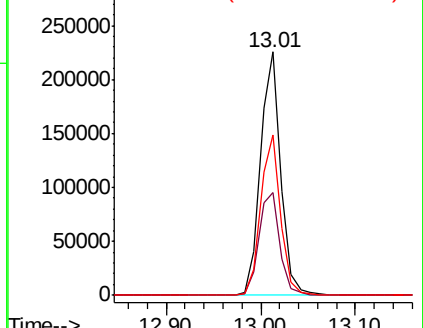
148 65.7 31.9 95.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 48.032 ug/l

RT: 13.70 min Scan# 1326

Delta R.T. -0.01 min

Lab File: VF060311.D

Acq: 21 Sep 2018 12:00

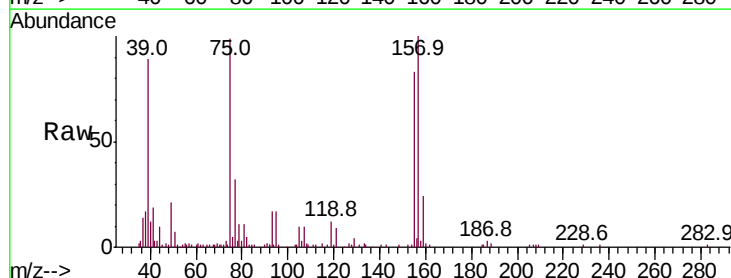
Tgt Ion: 75 Resp: 29693

Ion Ratio Lower Upper

75 100

155 84.3 41.9 125.7

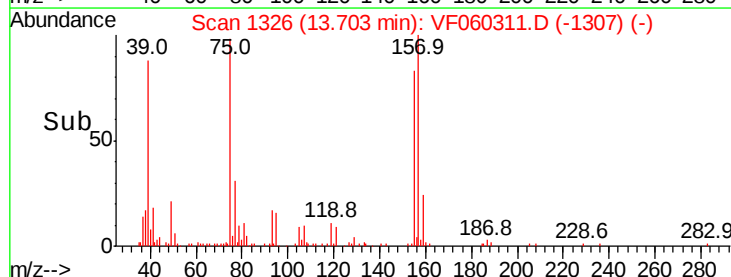
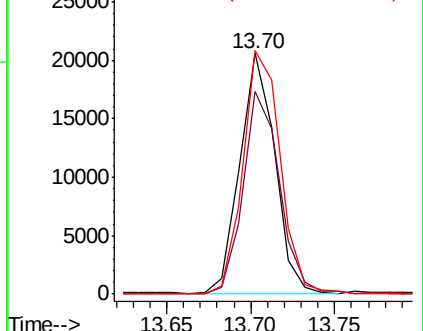
157 101.0 57.4 172.0

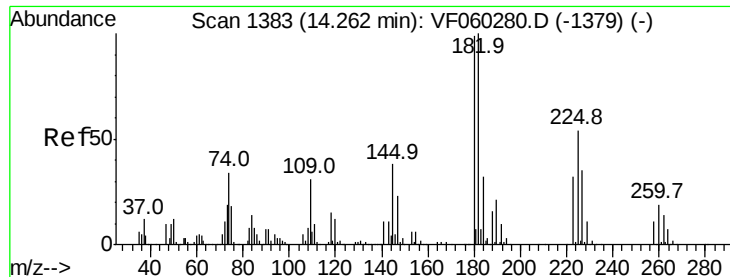


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

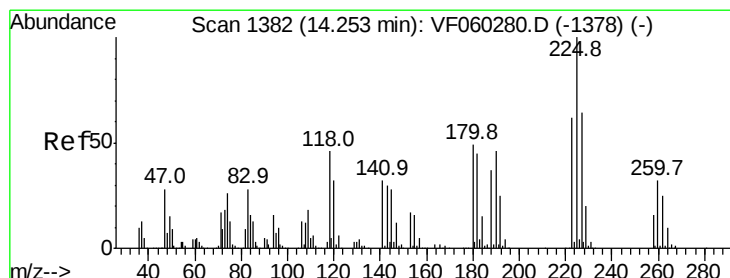
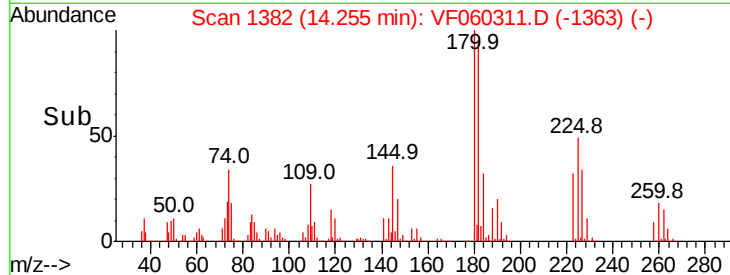
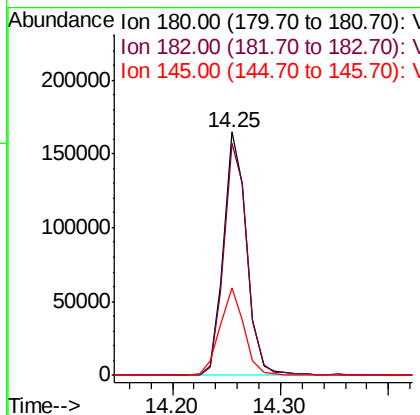
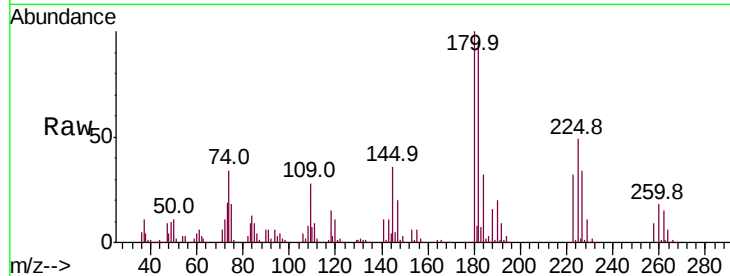




#93
 1,2,4-Trichlorobenzene
 Concen: 47.154 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. -0.01 min
 Lab File: VF060311.D
 Acq: 21 Sep 2018 12:00

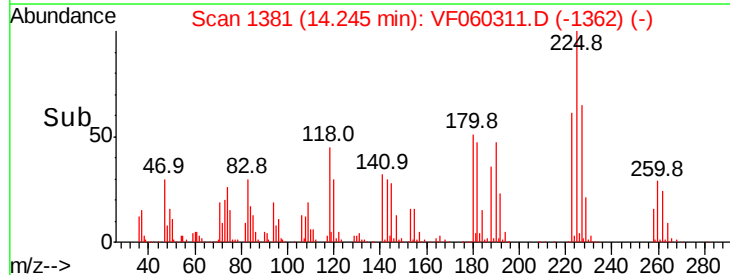
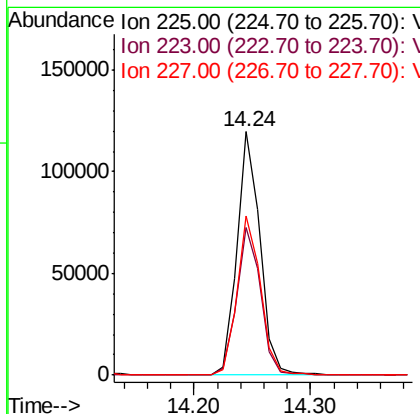
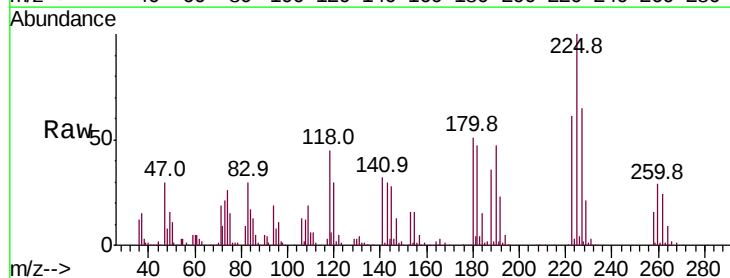
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

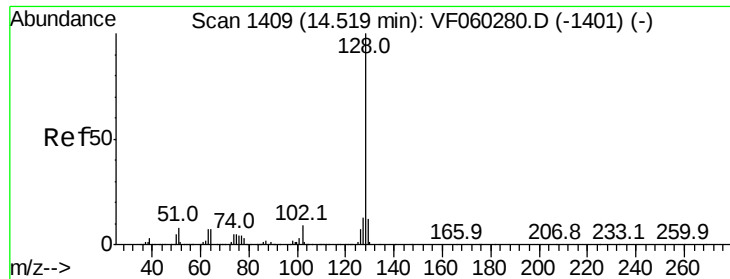
Tot Ion:180 Resp: 244623
 Ion Ratio Lower Upper
 180 100
 182 95.3 50.3 151.0
 145 36.2 18.9 56.9



#94
 Hexachlorobutadiene
 Concen: 46.832 ug/l
 RT: 14.24 min Scan# 1381
 Delta R.T. -0.01 min
 Lab File: VF060311.D
 Acq: 21 Sep 2018 12:00

Tgt Ion:225 Resp: 164237
 Ion Ratio Lower Upper
 225 100
 223 60.6 31.2 93.6
 227 65.4 32.2 96.6





#95

Naphthalene

Concen: 51.555 ug/l

RT: 14.51 min Scan# 1408

Delta R.T. -0.01 min

Lab File: VF060311.D

Acq: 21 Sep 2018 12:00

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

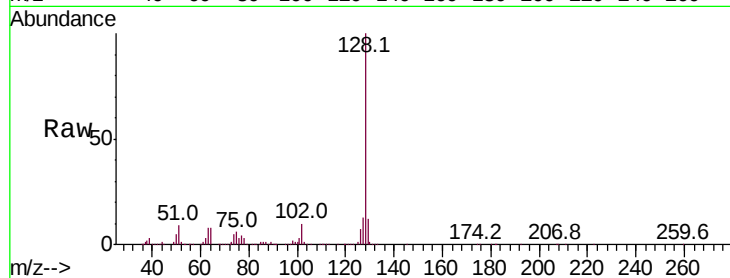
Tot Ion:128 Resp: 468913

Ion Ratio Lower Upper

128 100

127 12.8 10.1 15.1

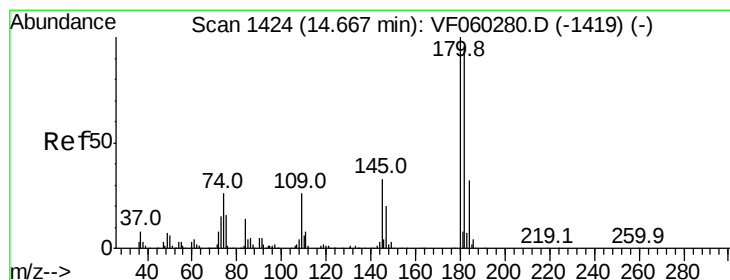
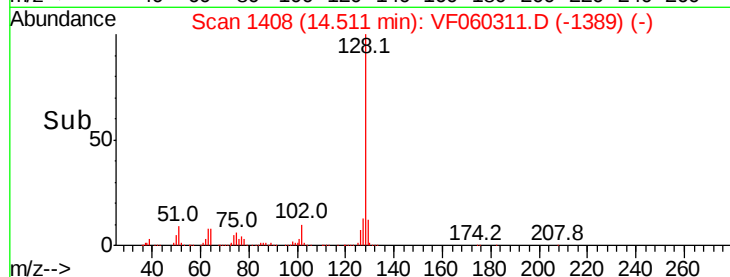
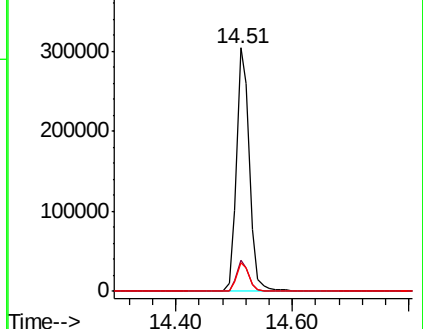
129 11.9 9.8 14.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.732 ug/l

RT: 14.66 min Scan# 1423

Delta R.T. -0.01 min

Lab File: VF060311.D

Acq: 21 Sep 2018 12:00

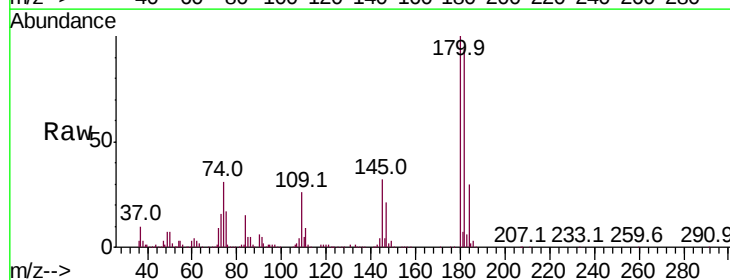
Tgt Ion:180 Resp: 238398

Ion Ratio Lower Upper

180 100

182 94.2 47.8 143.4

145 31.8 16.4 49.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

