

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF102618\
 Data File : VF060515.D
 Acq On : 26 Oct 2018 13:03
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 27 01:47:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102518S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 26 02:17:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	242862	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	366240	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	317761	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	184953	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	208190	43.13	ug/l	0.00
Spiked Amount			Recovery	=	86.26%	
35) Dibromofluoromethane	4.28	113	193126	43.99	ug/l	0.00
Spiked Amount			Recovery	=	87.98%	
50) Toluene-d8	7.70	98	408453	46.36	ug/l	0.00
Spiked Amount			Recovery	=	92.72%	
62) 4-Bromofluorobenzene	11.50	95	200105	40.78	ug/l	0.00
Spiked Amount			Recovery	=	81.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	247187	41.955	ug/l	87
3) Chloromethane	1.14	50	153053	49.872	ug/l	99
4) Vinyl Chloride	1.18	62	177088	49.994	ug/l	93
5) Bromomethane	1.35	94	147373	41.310	ug/l	99
6) Chloroethane	1.43	64	99140	45.152	ug/l #	89
7) Trichlorofluoromethane	1.54	101	474866	41.883	ug/l	95
8) Diethyl Ether	1.69	74	53431	50.529	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.89	101	219113	45.623	ug/l	92
10) Methyl Iodide	1.97	142	197086	29.044	ug/l	90
11) Tert butyl alcohol	2.68	59	55359	247.688	ug/l #	81
12) 1,1-Dichloroethene	1.85	96	167276	48.378	ug/l	75
13) Acrolein	2.08	56	46842	218.181	ug/l	88
14) Allyl chloride	2.19	41	271331	49.026	ug/l	88
15) Acrylonitrile	3.07	53	113107	291.086	ug/l	91
16) Acetone	2.33	43	269163	286.359	ug/l	99
17) Carbon Disulfide	1.83	76	146519	15.466	ug/l	98
18) Methyl Acetate	2.44	43	83096	52.421	ug/l	94
19) Methyl tert-butyl Ether	2.53	73	402047	46.454	ug/l	92
20) Methylene Chloride	2.27	84	101349	33.247	ug/l	98
21) trans-1,2-Dichloroethene	2.40	96	166218	50.395	ug/l	95
22) Diisopropyl ether	2.92	45	511689	52.127	ug/l #	96
23) Vinyl Acetate	3.32	43	854618	275.239	ug/l	97
24) 1,1-Dichloroethane	3.00	63	367382	49.078	ug/l #	95
25) 2-Butanone	4.49	43	260865	304.317	ug/l	93
26) 2,2-Dichloropropane	3.76	77	237212	47.911	ug/l	99
27) cis-1,2-Dichloroethene	3.63	96	181124	57.531	ug/l	85
28) Bromochloromethane	3.88	49	95784	43.487	ug/l	94
29) Tetrahydrofuran	4.24	42	93033	313.511	ug/l	98
30) Chloroform	4.03	83	429110	49.704	ug/l	88
31) Cyclohexane	3.86	56	213131	57.662	ug/l	95
32) 1,1,1-Trichloroethane	4.27	97	383932	48.168	ug/l	97
36) 1,1-Dichloropropene	4.45	75	278667	51.411	ug/l	98
37) Ethyl Acetate	4.28	43	86852	59.294	ug/l #	90
38) Carbon Tetrachloride	4.16	117	420528	51.269	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	256724	58.034	ug/l	88
40) Benzene	4.80	78	511711	57.379	ug/l	99
41) Methacrylonitrile	4.91	41	48711	53.596	ug/l #	91
42) 1,2-Dichloroethane	5.11	62	279146	48.424	ug/l	100
43) Isopropyl Acetate	7.11	43	101117	54.129	ug/l #	97
44) Trichloroethene	5.67	130	170854	54.912	ug/l	90
45) 1,2-Dichloropropane	6.39	63	117071	51.841	ug/l	92
46) Dibromomethane	6.25	93	102630	48.430	ug/l	91
47) Bromodichloromethane	6.53	83	276111	46.443	ug/l	100
48) Methyl methacrylate	6.86	41	70913	50.358	ug/l	88
49) 1,4-Dioxane	6.85	88	14068	1159.490	ug/l #	85
51) 4-Methyl-2-Pentanone	8.40	43	378004	259.029	ug/l #	87
52) Toluene	7.77	92	329835	56.247	ug/l	90
53) t-1,3-Dichloropropene	8.42	75	205858	46.763	ug/l	98
54) cis-1,3-Dichloropropene	7.45	75	240548	53.044	ug/l	88
55) 1,1,2-Trichloroethane	8.62	97	100978	54.392	ug/l	95
56) Ethyl methacrylate	8.75	69	112711	56.922	ug/l #	80
57) 1,3-Dichloropropane	8.99	76	169776	52.221	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.77	63	64706	236.317	ug/l	100
59) 2-Hexanone	9.62	43	286427	310.507	ug/l	100
60) Dibromochloromethane	8.85	129	173443	49.195	ug/l	98
61) 1,2-Dibromoethane	9.13	107	112759	51.087	ug/l	91
64) Tetrachloroethene	8.30	164	147993	55.248	ug/l	92
65) Chlorobenzene	9.93	112	386909	57.918	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.06	131	188078	54.388	ug/l	92
67) Ethyl Benzene	10.03	91	726091	53.225	ug/l	95
68) m/p-Xylenes	10.26	106	492008	114.882	ug/l	94
69) o-Xylene	10.82	106	279853	58.253	ug/l	93
70) Styrene	10.89	104	378839	56.485	ug/l	96
71) Bromoform	10.88	173	95004	51.633	ug/l	96
73) Isopropylbenzene	11.22	105	887743	60.422	ug/l	97
74) N-amyl acetate	11.45	43	170242	65.248	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	136383	64.422	ug/l	96
76) 1,2,3-Trichloropropane	11.88	75	100039	54.123	ug/l	97
77) Bromobenzene	11.59	156	181274	59.179	ug/l	88
78) n-propylbenzene	11.68	91	1000003	58.218	ug/l	99
79) 2-Chlorotoluene	11.81	91	590586	56.737	ug/l	94
80) 1,3,5-Trimethylbenzene	11.91	105	727213	56.360	ug/l	90
81) trans-1,4-Dichloro-2-buten	11.95	75	67039	86.226	ug/l #	84
82) 4-Chlorotoluene	11.99	91	613273	55.762	ug/l	94
83) tert-Butylbenzene	12.21	119	768555	58.967	ug/l	93
84) 1,2,4-Trimethylbenzene	12.28	105	746596	58.372	ug/l	92
85) sec-Butylbenzene	12.38	105	993914	56.821	ug/l	99
86) p-Isopropyltoluene	12.53	119	836680	56.301	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	357261	57.383	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	355964	59.023	ug/l	97
89) n-Butylbenzene	12.91	91	859714	54.385	ug/l	95
90) Hexachloroethane	12.99	117	224461	57.564	ug/l	88
91) 1,2-Dichlorobenzene	13.01	146	337746	56.561	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	32315	59.879	ug/l #	63

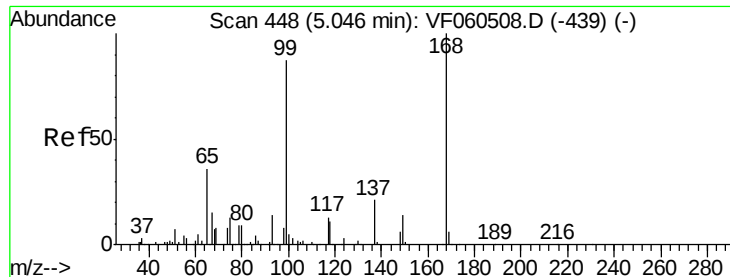
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF102618\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	265738	54.655	ug/l	93
94) Hexachlorobutadiene	14.25	225	200244	55.066	ug/l	97
95) Naphthalene	14.52	128	486428	63.430	ug/l	98
96) 1,2,3-Trichlorobenzene	14.66	180	259864	58.106	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 447

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

ClientSampleId :

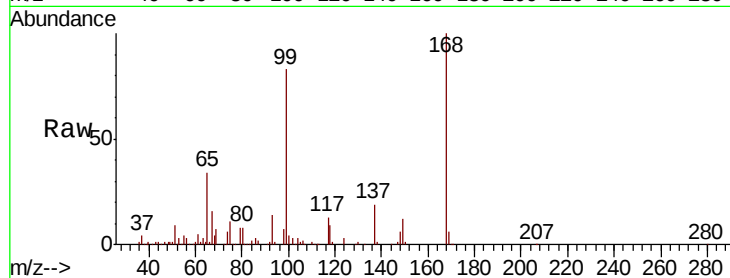
VSTDCCC050

Tot Ion:168 Resp: 242862

Ion Ratio Lower Upper

168 100

99 83.2 69.9 104.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

80000

60000

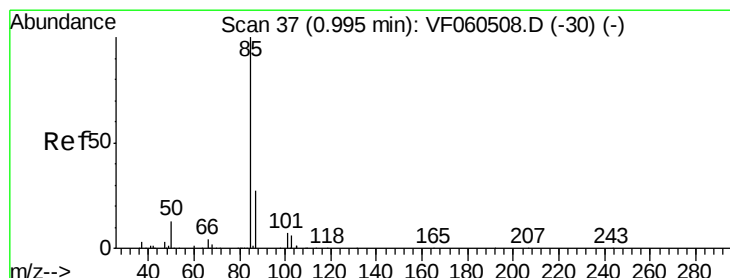
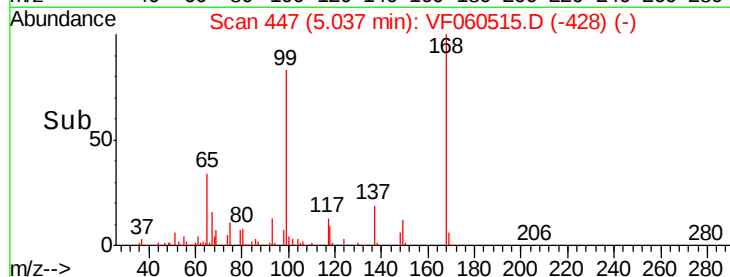
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 41.955 ug/l

RT: 1.00 min Scan# 38

Delta R.T. 0.01 min

Lab File: VF060515.D

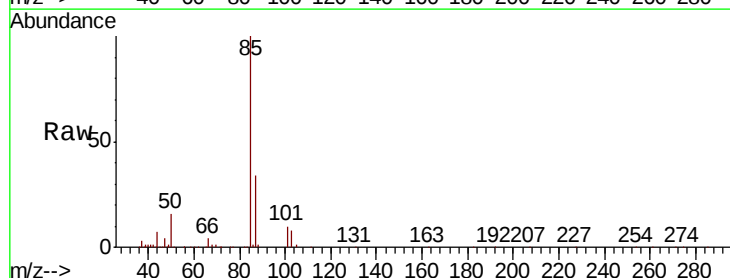
Acq: 26 Oct 2018 13:03

Tgt Ion: 85 Resp: 247187

Ion Ratio Lower Upper

85 100

87 33.5 13.5 40.4



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.00

80000

60000

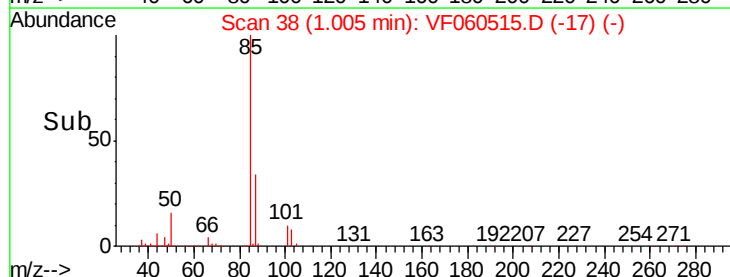
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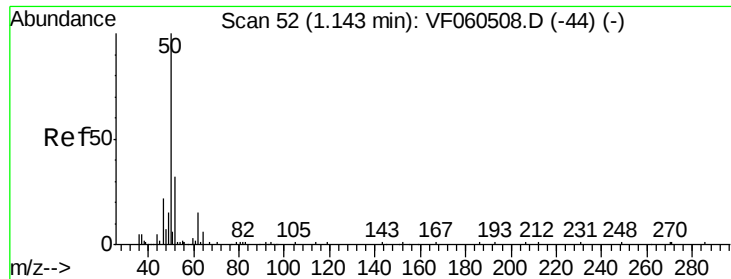
20000

0

0.80 0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 49.872 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.00 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

ClientSampleId :

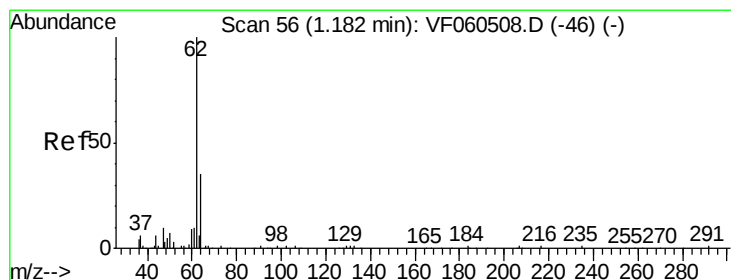
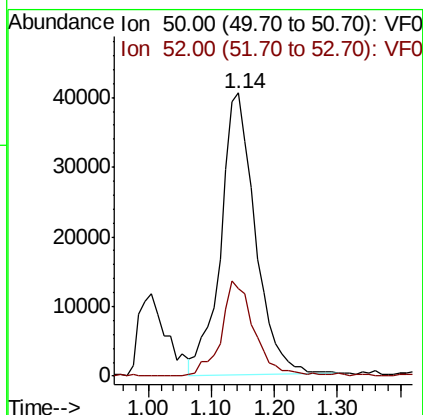
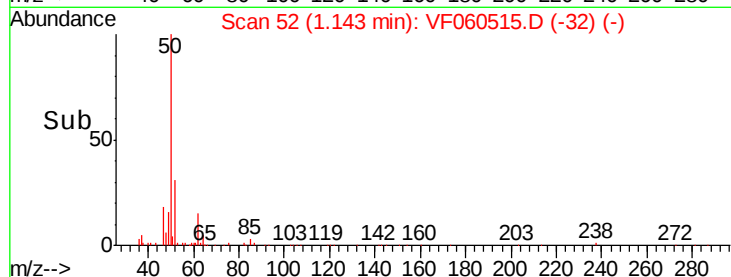
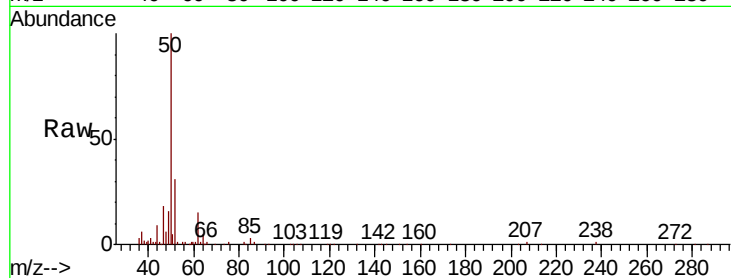
VSTDCCC050

Tot Ion: 50 Resp: 153053

Ion Ratio Lower Upper

50 100

52 31.0 24.5 36.7



#4

Vinyl Chloride

Concen: 49.994 ug/l

RT: 1.18 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF060515.D

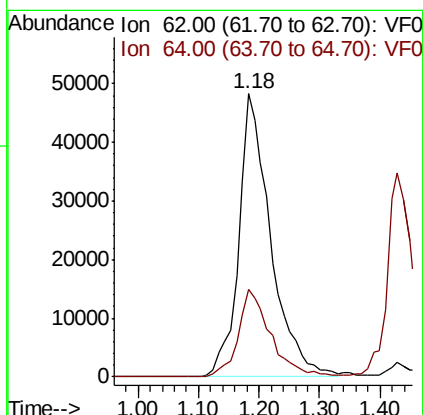
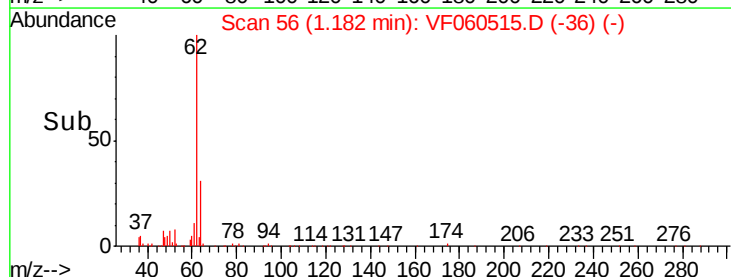
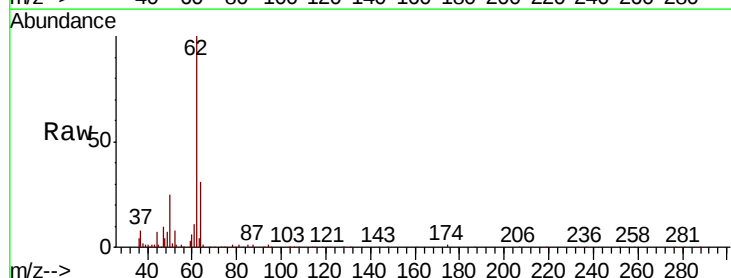
Acq: 26 Oct 2018 13:03

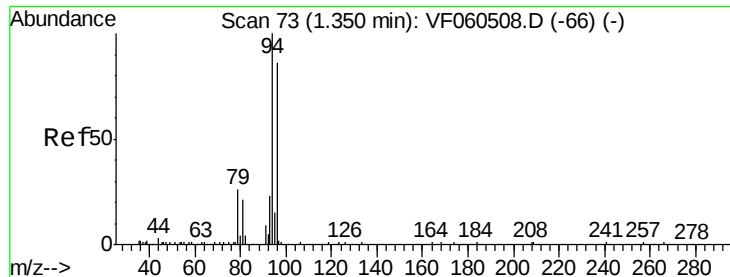
Tgt Ion: 62 Resp: 177088

Ion Ratio Lower Upper

62 100

64 30.7 27.8 41.8





#5

Bromomethane

Concen: 41.310 ug/l

RT: 1.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

ClientSampleId :

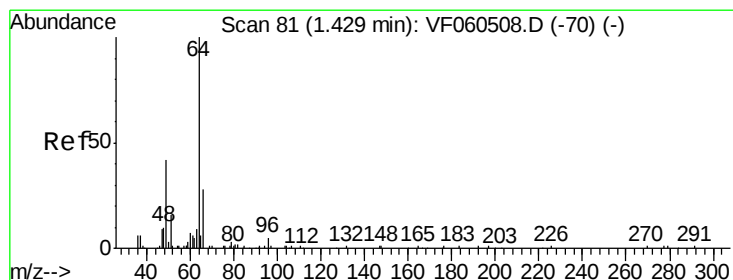
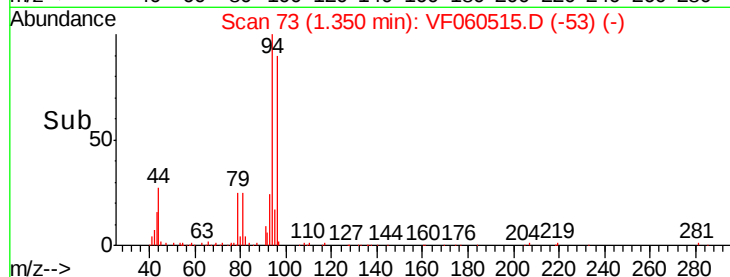
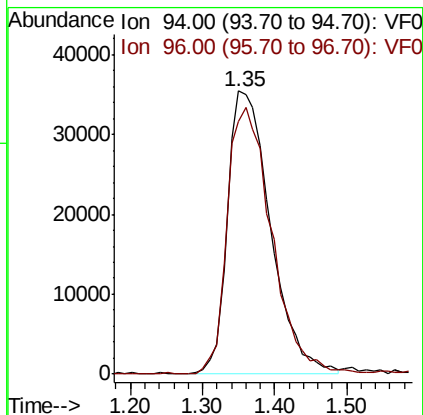
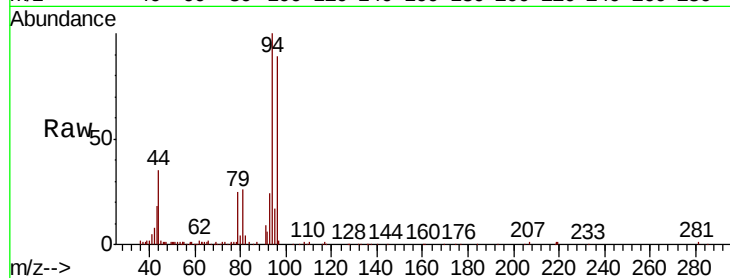
VSTDCCC050

Tot Ion: 94 Resp: 147373

Ion Ratio Lower Upper

94 100

96 89.4 70.6 105.8



#6

Chloroethane

Concen: 45.152 ug/l

RT: 1.43 min Scan# 81

Delta R.T. 0.00 min

Lab File: VF060515.D

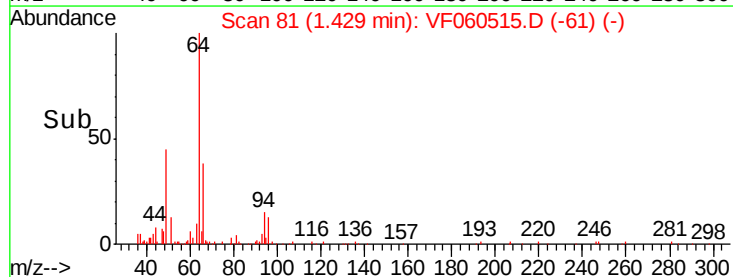
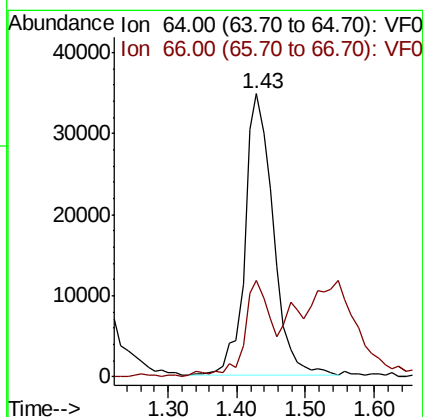
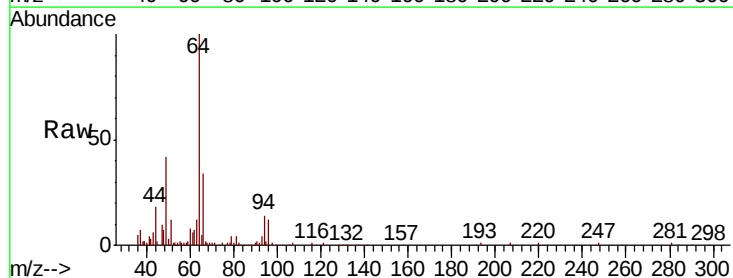
Acq: 26 Oct 2018 13:03

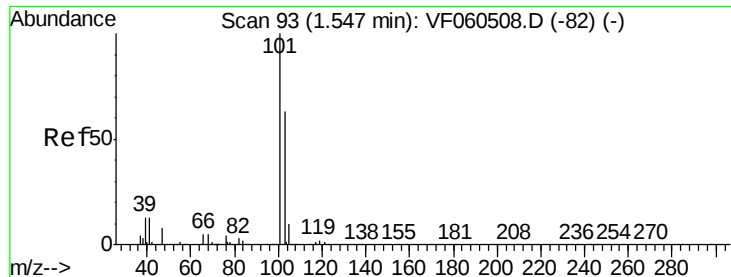
Tgt Ion: 64 Resp: 99140

Ion Ratio Lower Upper

64 100

66 33.9 22.4 33.6#





#7

Trichlorofluoromethane

Concen: 41.883 ug/l

RT: 1.54 min Scan# 92

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

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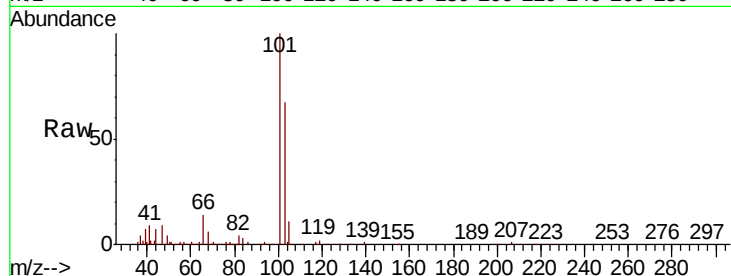
VSTDCCC050

Tot Ion:101 Resp: 474866

Ion Ratio Lower Upper

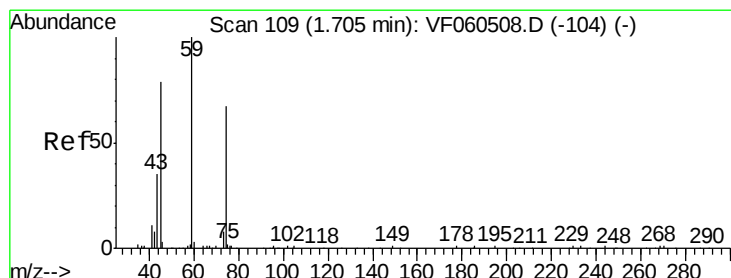
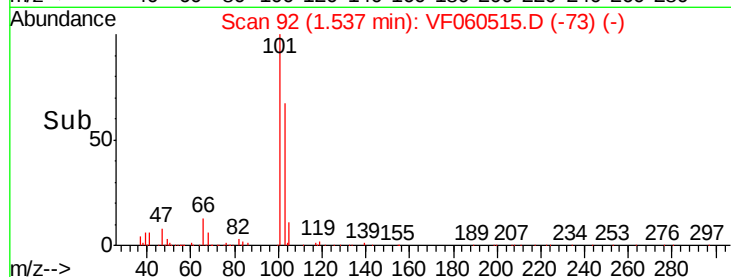
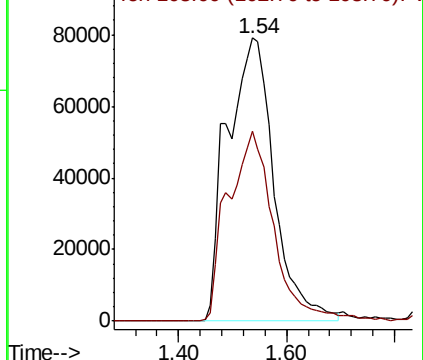
101 100

103 67.1 50.4 75.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 50.529 ug/l

RT: 1.69 min Scan# 108

Delta R.T. -0.01 min

Lab File: VF060515.D

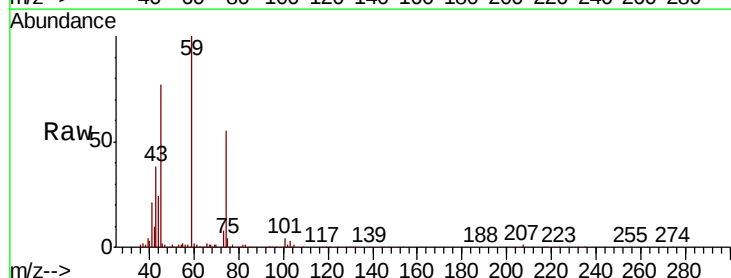
Acq: 26 Oct 2018 13:03

Tgt Ion: 74 Resp: 53431

Ion Ratio Lower Upper

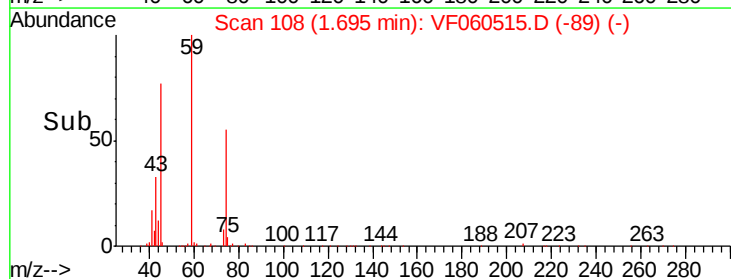
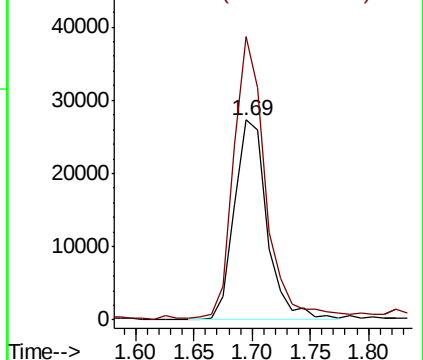
74 100

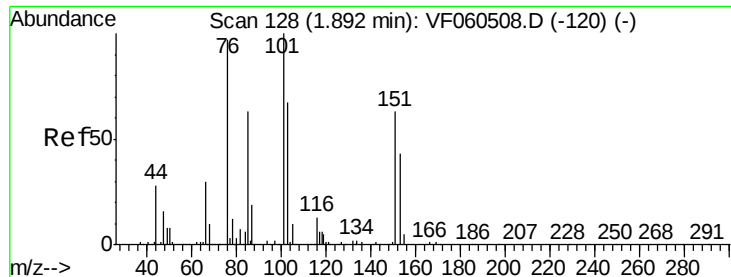
45 141.8 62.1 186.3



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.623 ug/l

RT: 1.89 min Scan# 128

Delta R.T. 0.00 min

Lab File: VF060515.D

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ClientSampleId :

VSTDCCC050

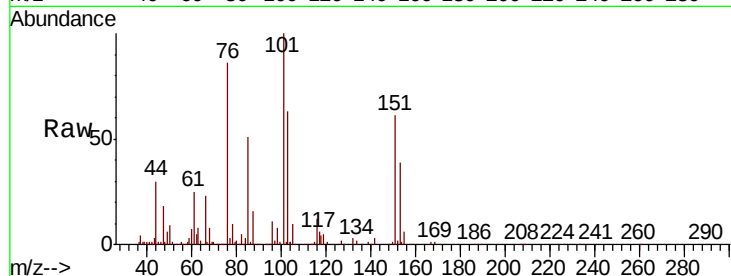
Tot Ion:101 Resp: 219113

Ion Ratio Lower Upper

101 100

85 51.5 49.9 74.9

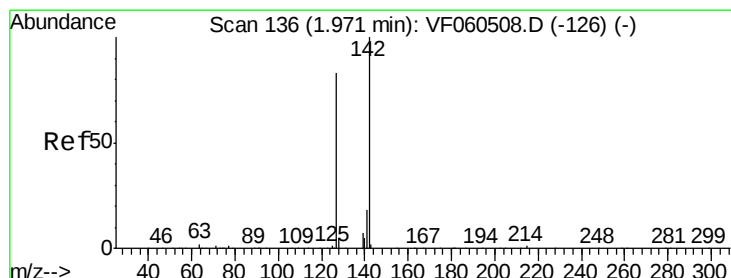
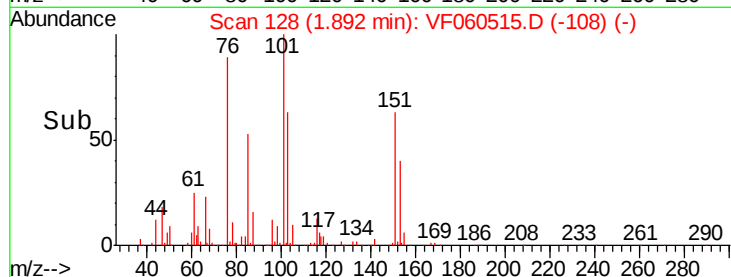
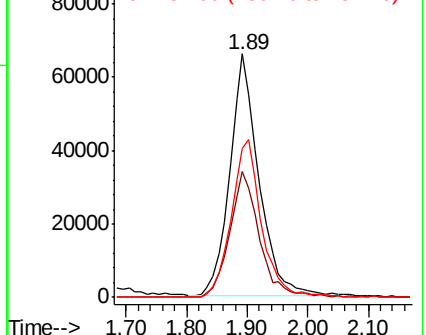
151 61.3 50.6 76.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 29.044 ug/l

RT: 1.97 min Scan# 136

Delta R.T. 0.00 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

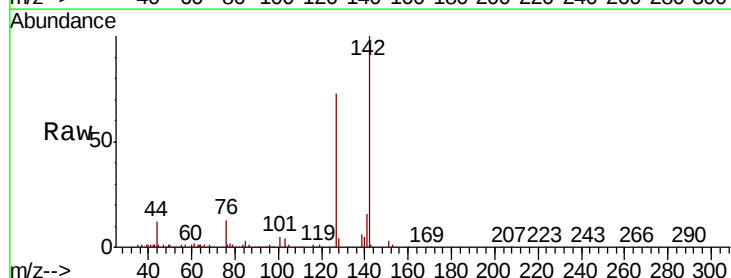
Tgt Ion:142 Resp: 197086

Ion Ratio Lower Upper

142 100

127 72.8 66.5 99.7

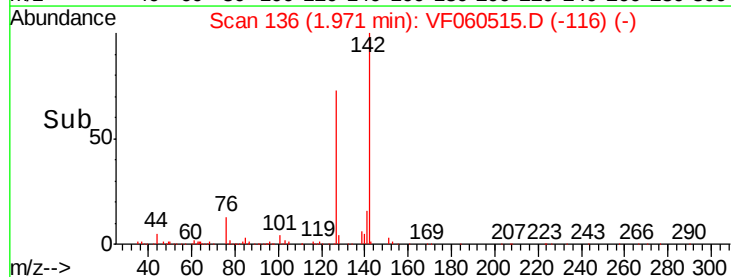
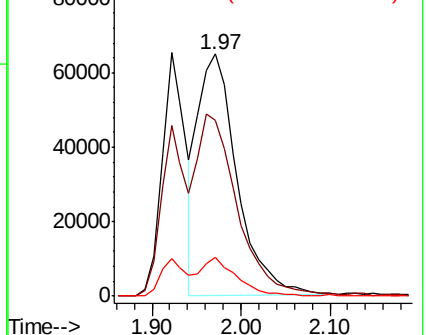
141 16.2 14.2 21.4

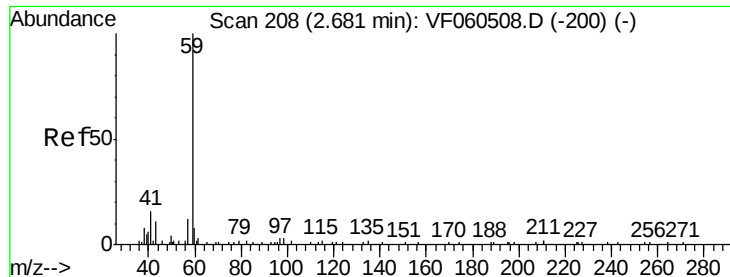


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



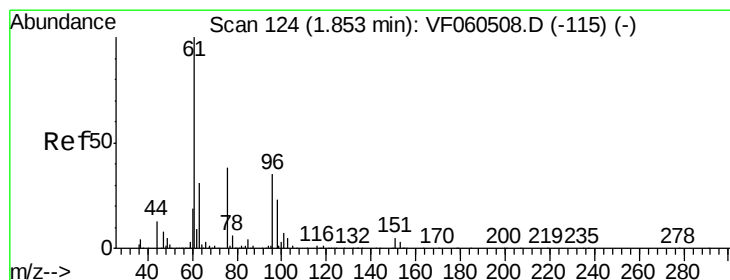
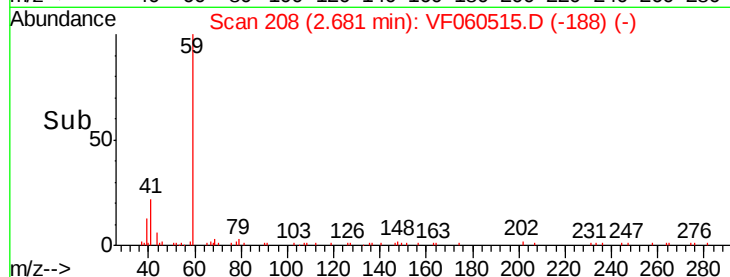
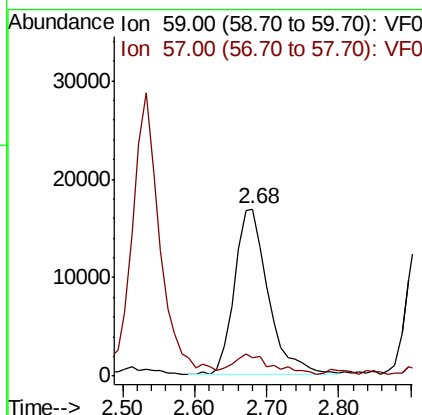
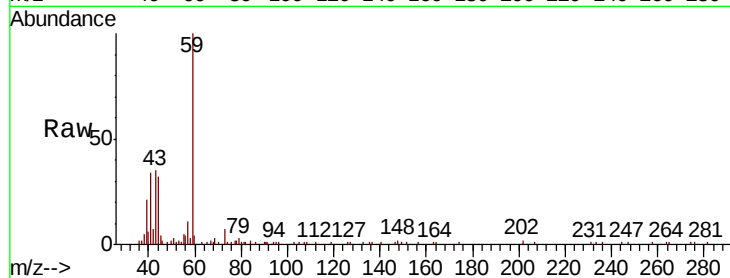


#11

Tert butyl alcohol
 Concen: 247.688 ug/l
 RT: 2.68 min Scan# 208
 Delta R.T. 0.00 min
 Lab File: VF060515.D
 Acq: 26 Oct 2018 13:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

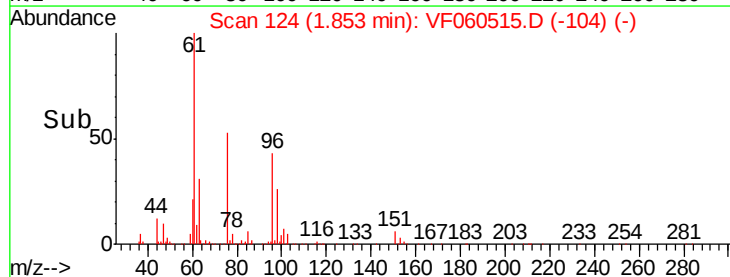
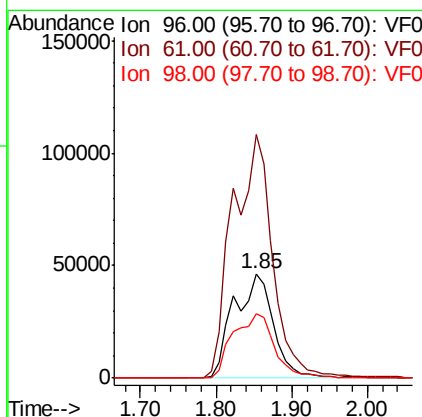
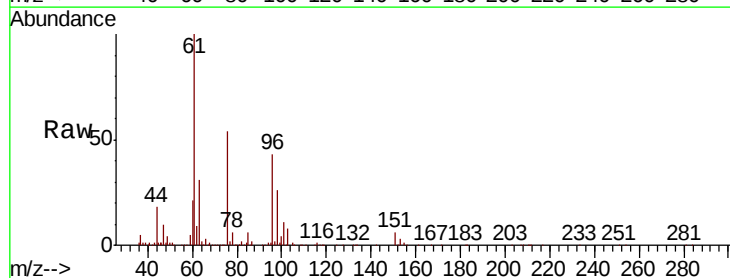
Tot Ion: 59 Resp: 55359
 Ion Ratio Lower Upper
 59 100
 57 11.1 15.8 23.8#

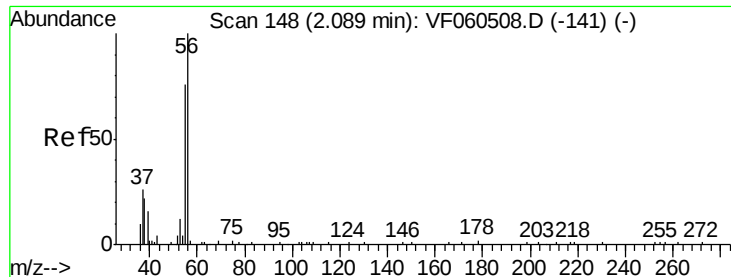


#12

1,1-Dichloroethene
 Concen: 48.378 ug/l
 RT: 1.85 min Scan# 124
 Delta R.T. 0.00 min
 Lab File: VF060515.D
 Acq: 26 Oct 2018 13:03

Tgt Ion: 96 Resp: 167276
 Ion Ratio Lower Upper
 96 100
 61 233.1 231.4 347.0
 98 61.2 53.3 79.9





#13

Acrolein

Concen: 218.181 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

ClientSampleId :

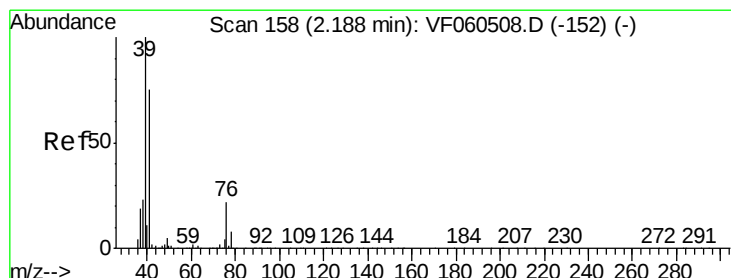
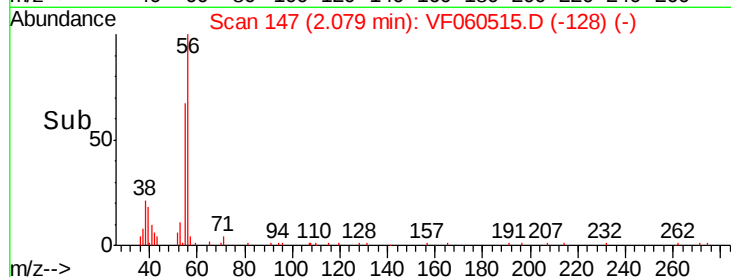
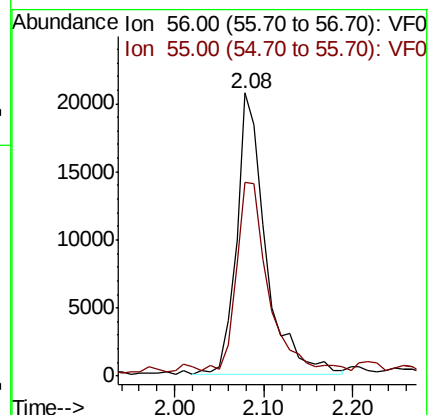
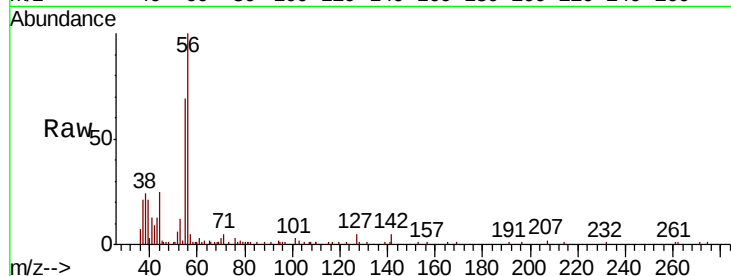
VSTDCCC050

Tot Ion: 56 Resp: 46842

Ion Ratio Lower Upper

56 100

55 68.6 63.0 94.4



#14

Allyl chloride

Concen: 49.026 ug/l

RT: 2.19 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

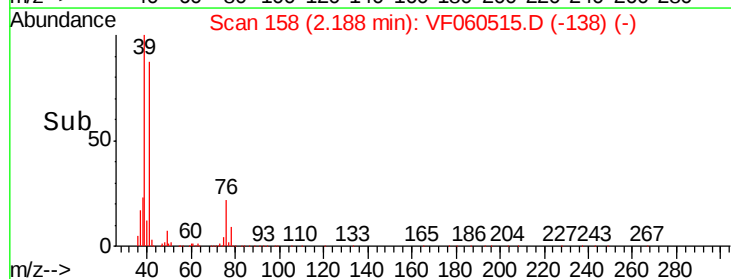
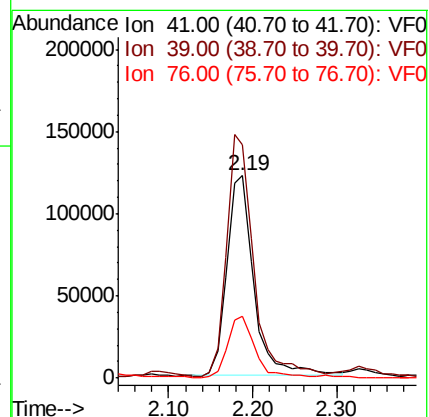
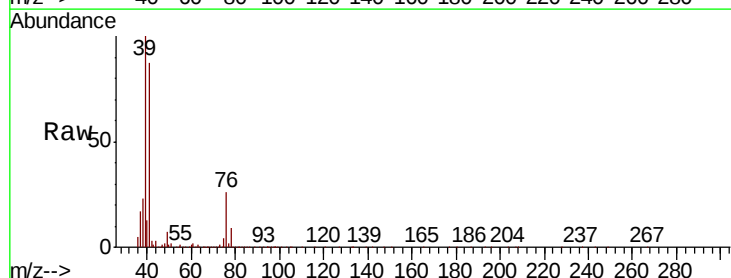
Tgt Ion: 41 Resp: 271331

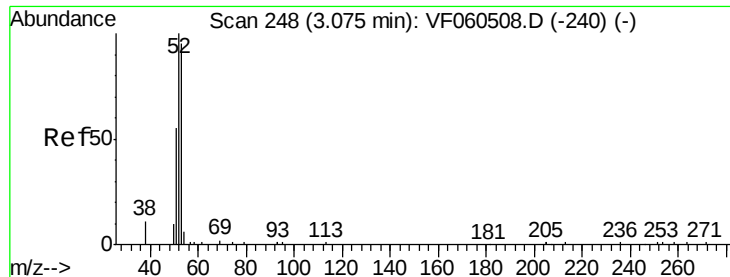
Ion Ratio Lower Upper

41 100

39 115.0 106.0 159.0

76 30.3 24.1 36.1





#15

Acrylonitrile

Concen: 291.086 ug/l

RT: 3.07 min Scan# 247

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

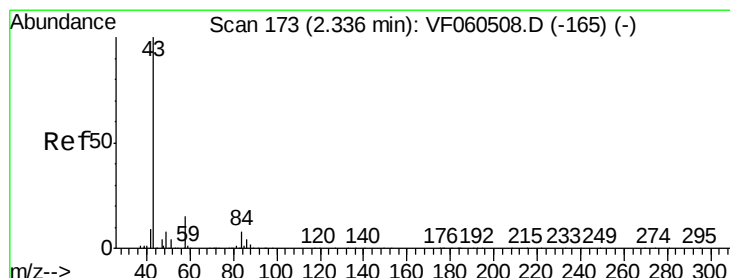
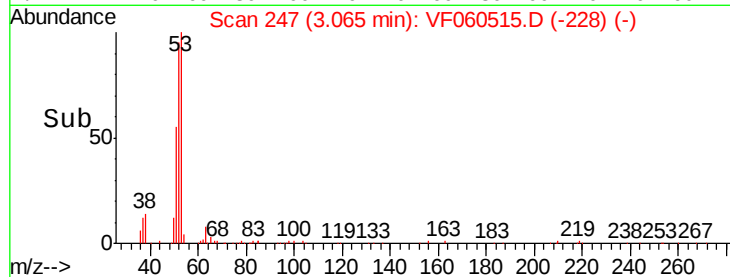
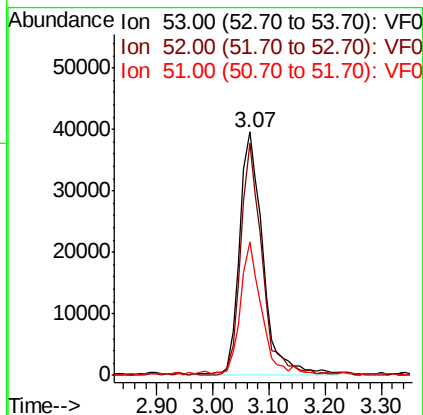
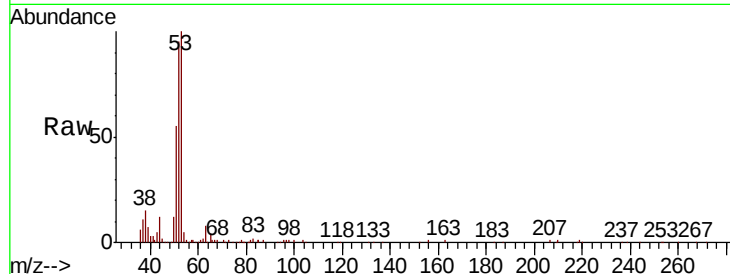
Tot Ion: 53 Resp: 113107

Ion Ratio Lower Upper

53 100

52 95.1 84.0 126.0

51 55.0 48.6 73.0



#16

Acetone

Concen: 286.359 ug/l

RT: 2.33 min Scan# 172

Delta R.T. -0.01 min

Lab File: VF060515.D

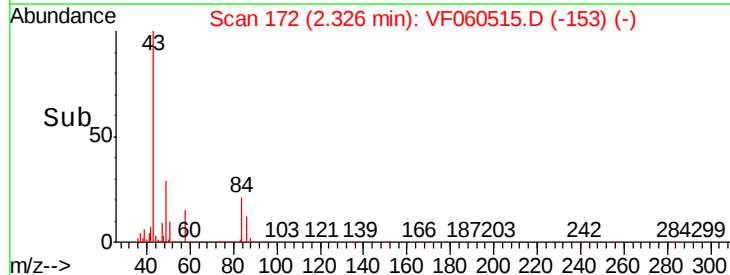
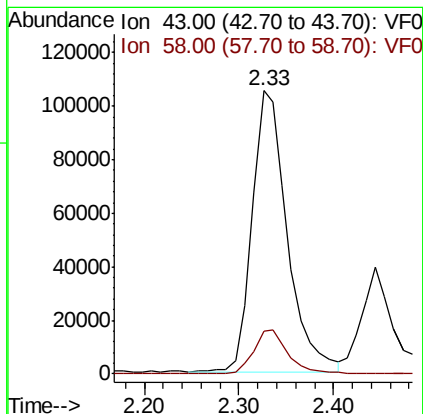
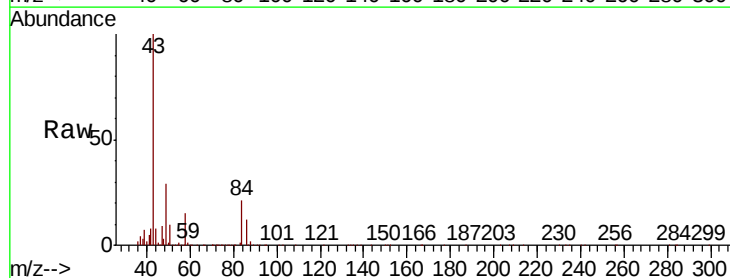
Acq: 26 Oct 2018 13:03

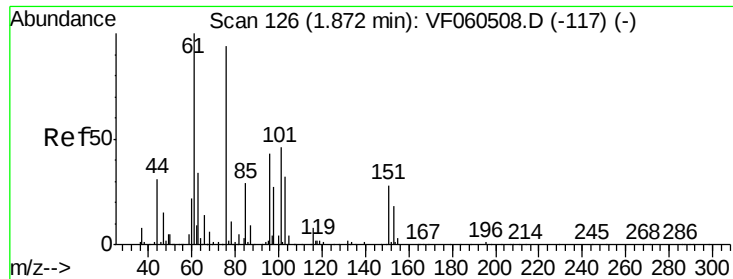
Tgt Ion: 43 Resp: 269163

Ion Ratio Lower Upper

43 100

58 15.2 11.7 17.5

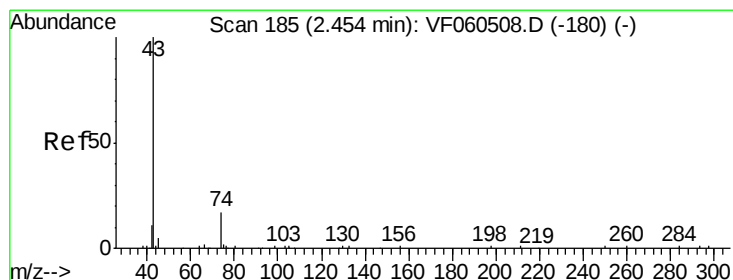
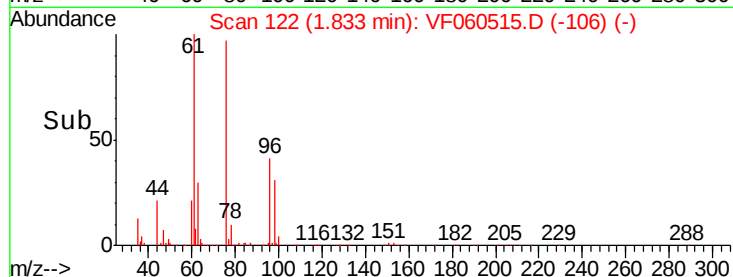
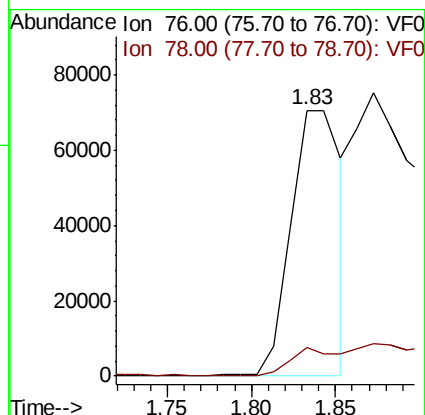
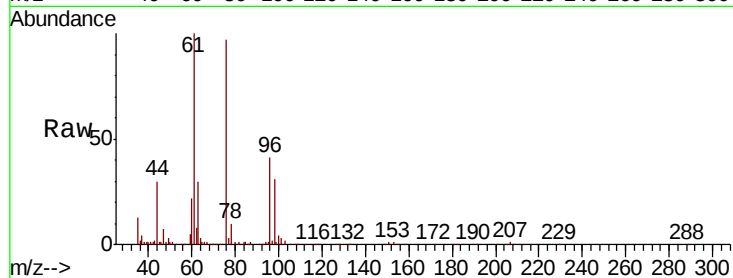




#17
Carbon Disulfide
Concen: 15.466 ug/l
RT: 1.83 min Scan# 122
Delta R.T. -0.04 min
Lab File: VF060515.D
Acq: 26 Oct 2018 13:03

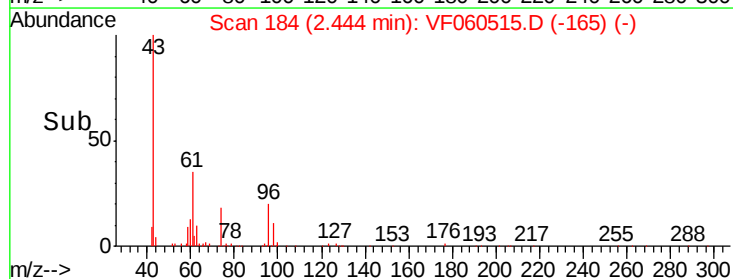
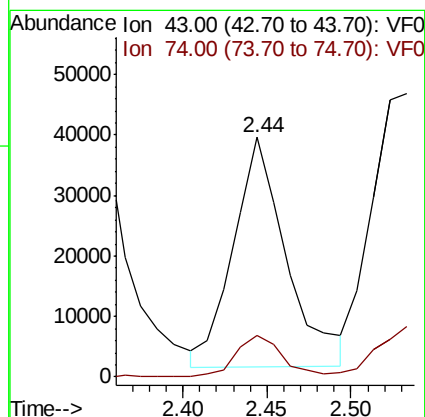
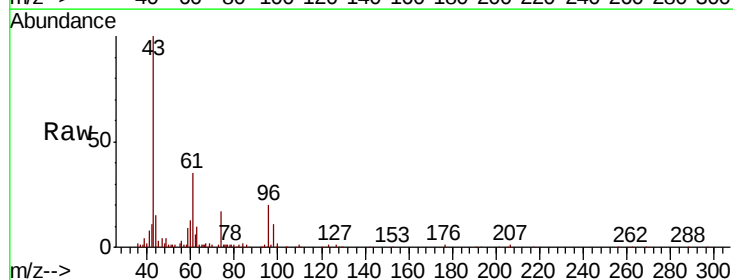
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

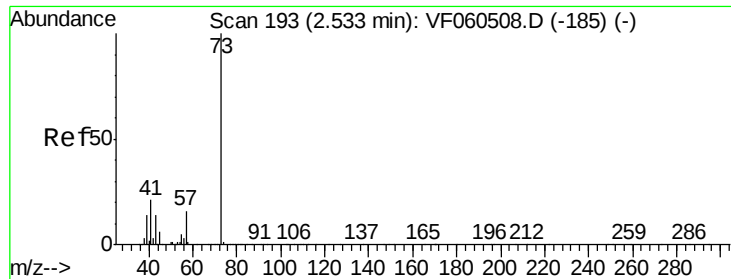
Tot Ion: 76 Resp: 146519
Ion Ratio Lower Upper
76 100
78 10.8 9.2 13.8



#18
Methyl Acetate
Concen: 52.421 ug/l
RT: 2.44 min Scan# 184
Delta R.T. -0.01 min
Lab File: VF060515.D
Acq: 26 Oct 2018 13:03

Tgt Ion: 43 Resp: 83096
Ion Ratio Lower Upper
43 100
74 17.5 12.1 18.1



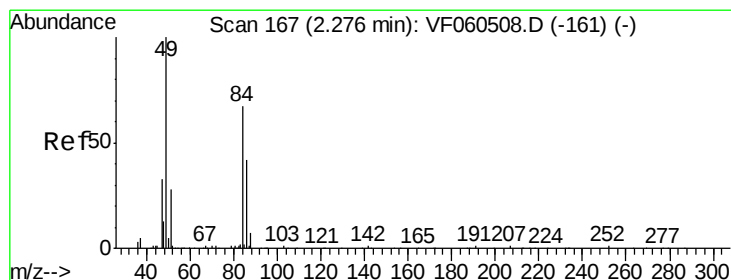
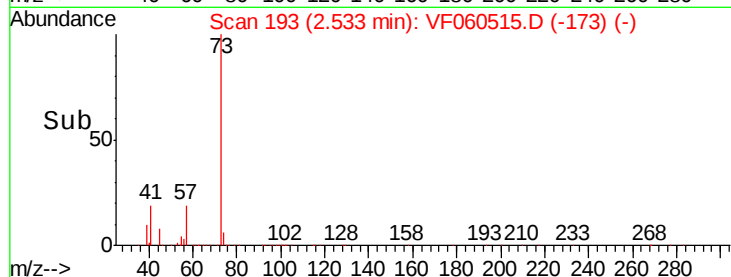
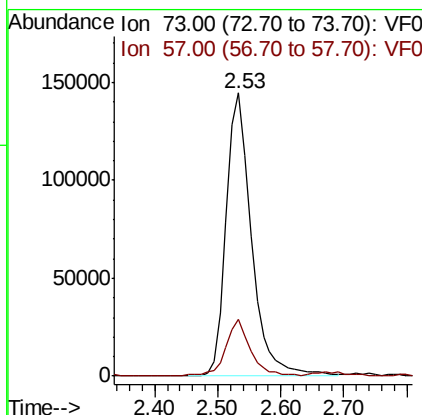
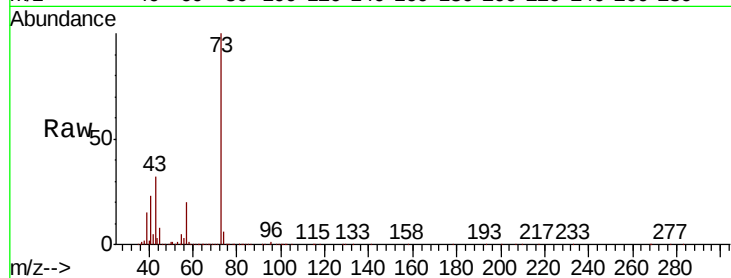


#19

Methyl tert-butyl Ether
 Concen: 46.454 ug/l
 RT: 2.53 min Scan# 193
 Delta R.T. 0.00 min
 Lab File: VF060515.D
 Acq: 26 Oct 2018 13:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

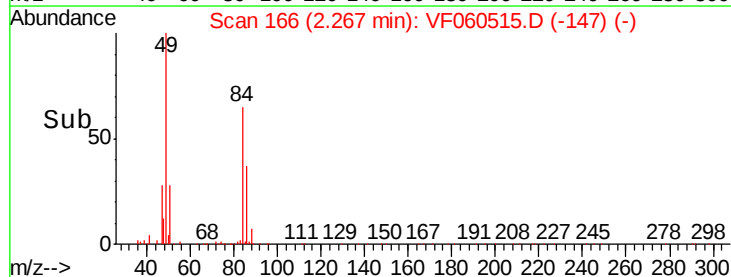
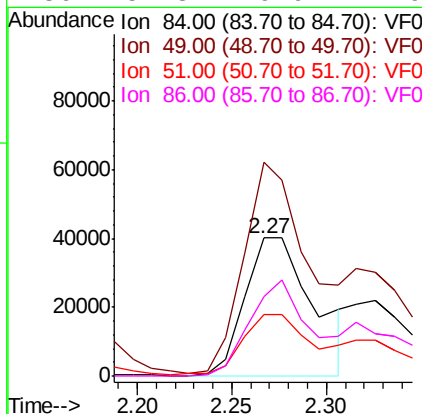
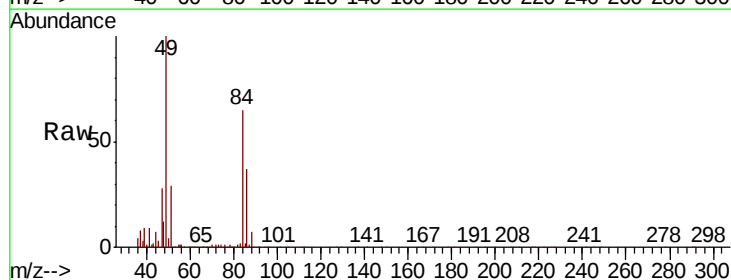
Tot Ion: 73 Resp: 402047
 Ion Ratio Lower Upper
 73 100
 57 19.9 13.3 19.9

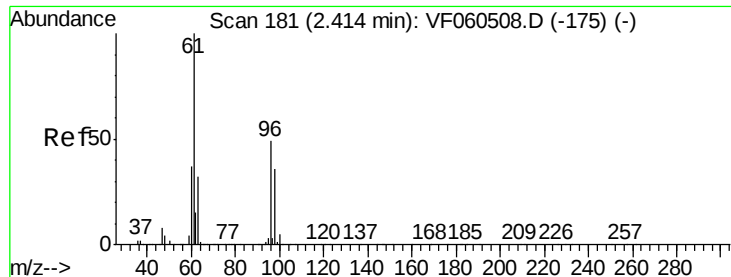


#20

Methylene Chloride
 Concen: 33.247 ug/l
 RT: 2.27 min Scan# 166
 Delta R.T. -0.01 min
 Lab File: VF060515.D
 Acq: 26 Oct 2018 13:03

Tgt Ion: 84 Resp: 101349
 Ion Ratio Lower Upper
 84 100
 49 154.7 123.1 184.7
 51 44.5 35.3 52.9
 86 57.3 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 50.395 ug/l

RT: 2.40 min Scan# 180

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

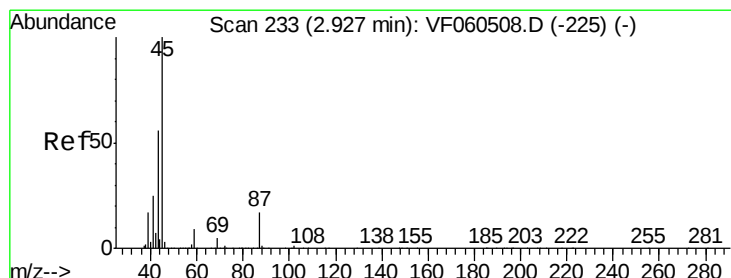
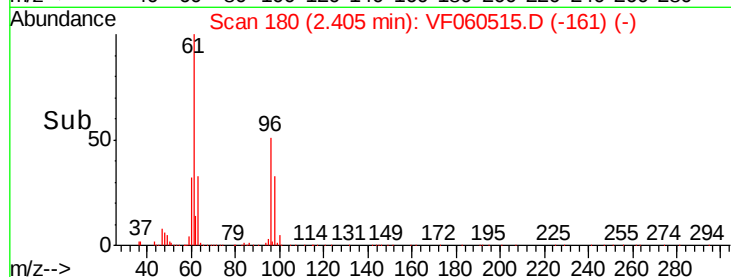
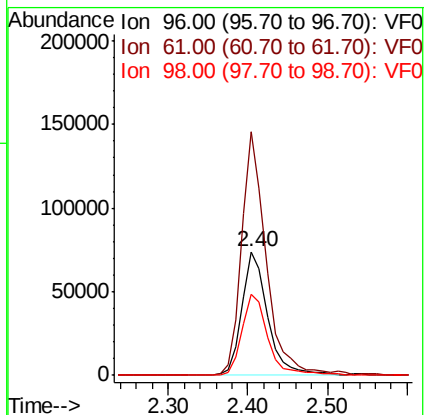
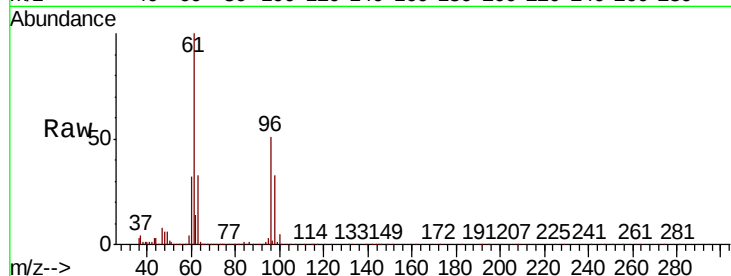
Tot Ion: 96 Resp: 166218

Ion Ratio Lower Upper

96 100

61 197.5 162.5 243.7

98 65.9 58.5 87.7



#22

Diisopropyl ether

Concen: 52.127 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Tgt Ion: 45 Resp: 511689

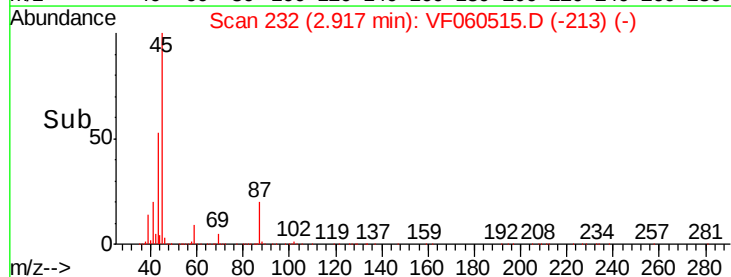
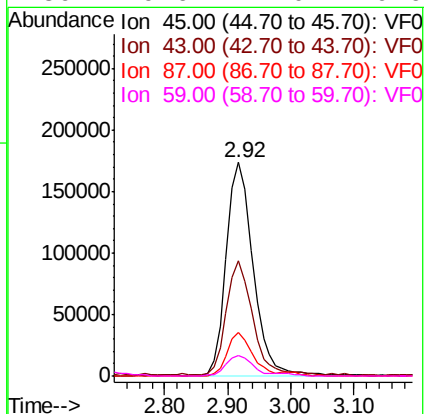
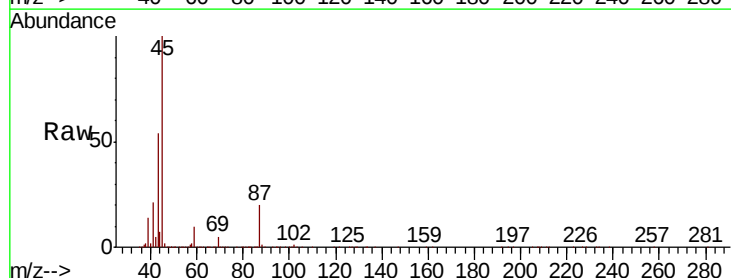
Ion Ratio Lower Upper

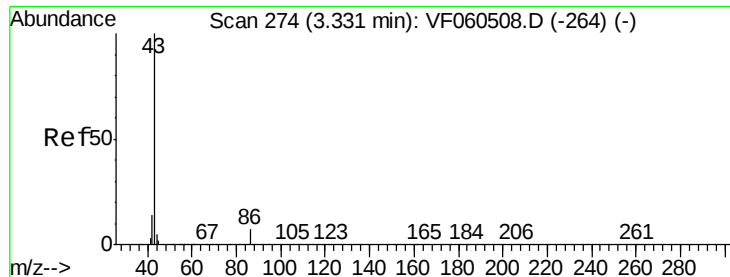
45 100

43 53.9 45.2 67.8

87 20.4 13.4 20.2#

59 9.6 7.0 10.6





#23

Vinyl Acetate

Concen: 275.239 ug/l

RT: 3.32 min Scan# 273

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

ClientSampleId :

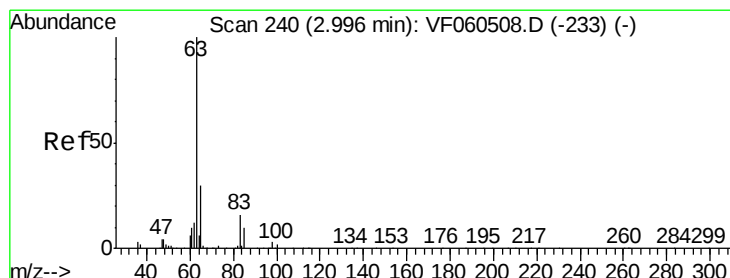
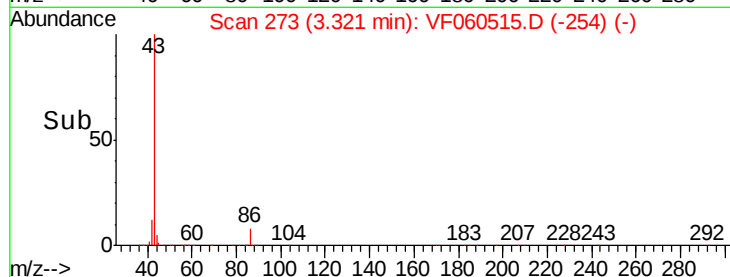
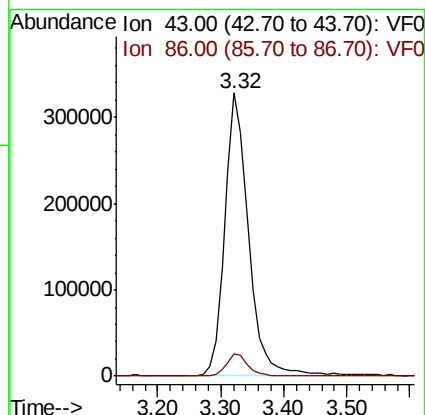
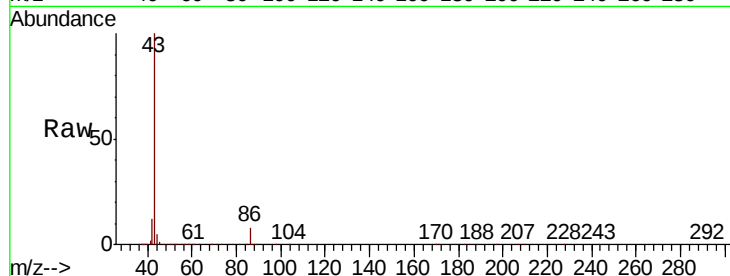
VSTDCCC050

Tot Ion: 43 Resp: 854618

Ion Ratio Lower Upper

43 100

86 7.7 5.3 7.9



#24

1,1-Dichloroethane

Concen: 49.078 ug/l

RT: 3.00 min Scan# 240

Delta R.T. 0.00 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

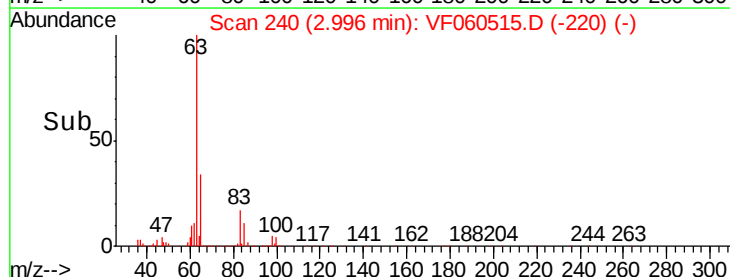
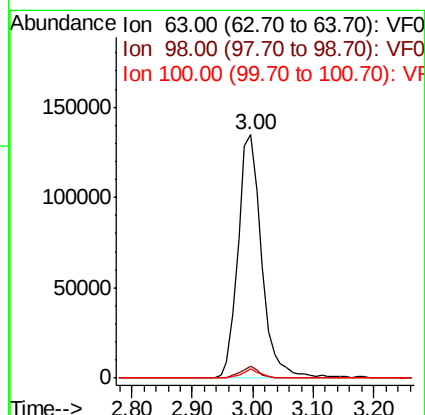
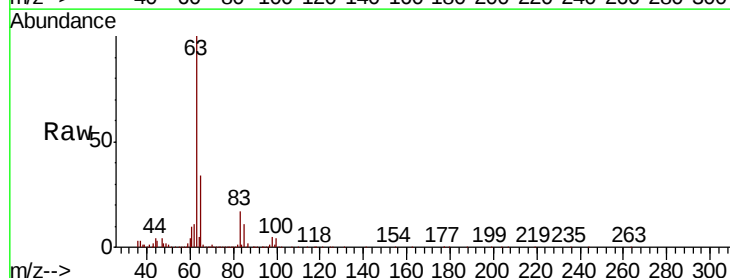
Tgt Ion: 63 Resp: 367382

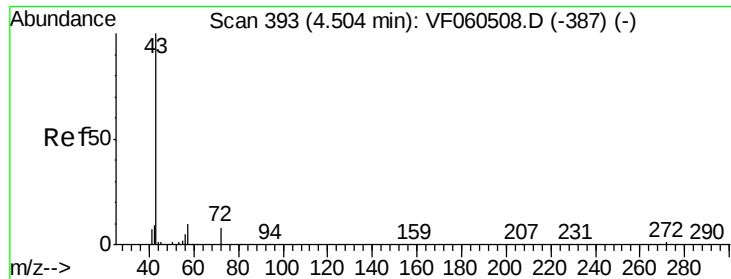
Ion Ratio Lower Upper

63 100

98 5.0 1.7 5.0#

100 3.9 1.1 3.3#





#25

2-Butanone

Concen: 304.317 ug/l

RT: 4.49 min Scan# 392

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

ClientSampleId :

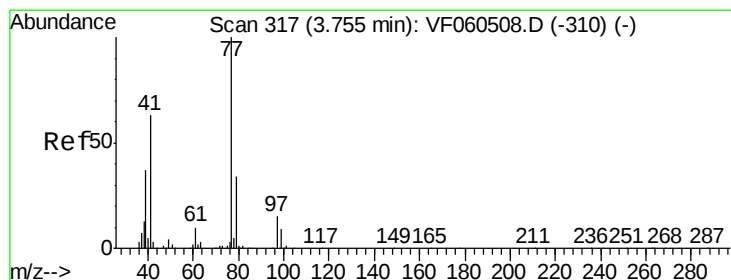
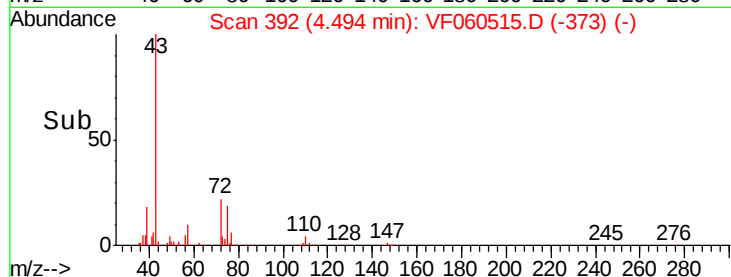
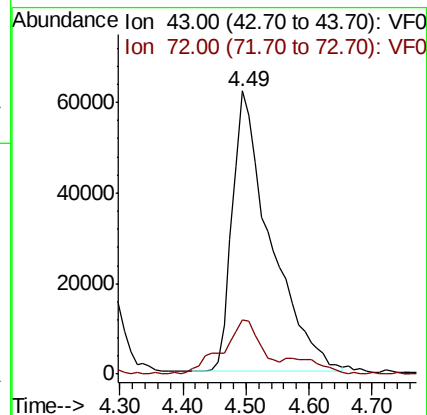
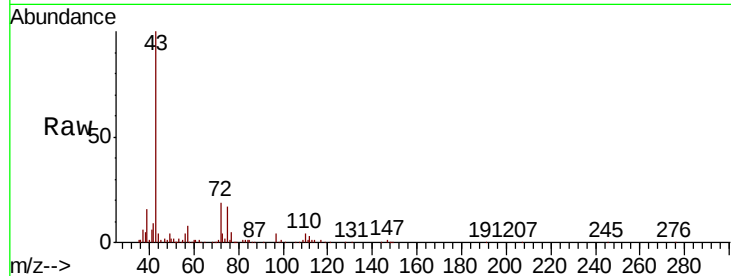
VSTDCCC050

Tot Ion: 43 Resp: 260865

Ion Ratio Lower Upper

43 100

72 19.1 13.0 19.6



#26

2,2-Dichloropropane

Concen: 47.911 ug/l

RT: 3.76 min Scan# 317

Delta R.T. 0.00 min

Lab File: VF060515.D

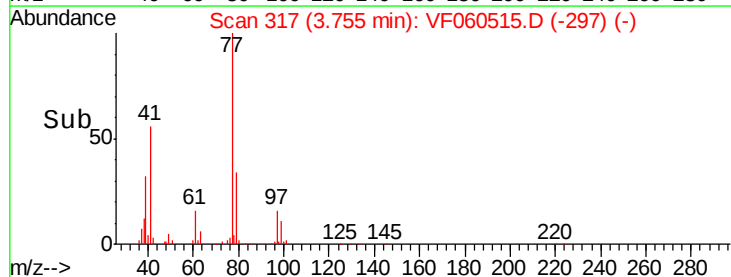
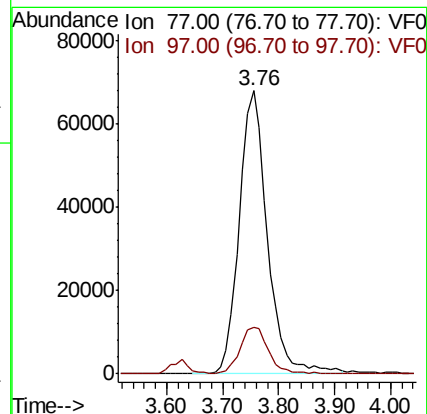
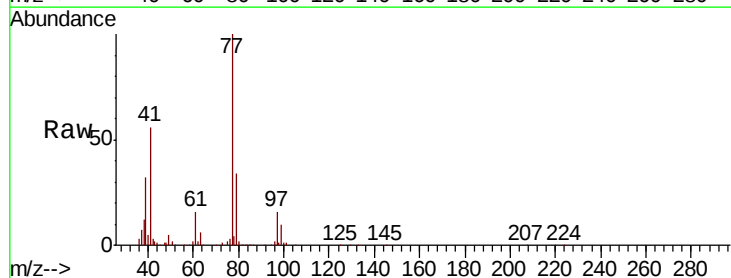
Acq: 26 Oct 2018 13:03

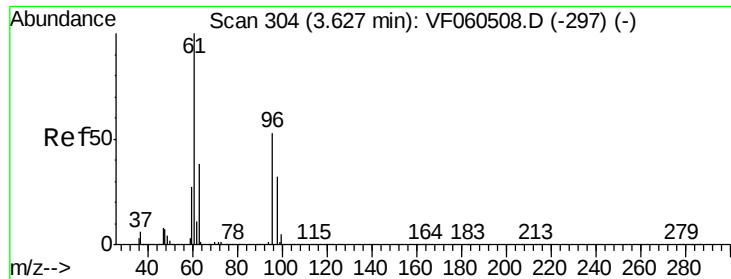
Tgt Ion: 77 Resp: 237212

Ion Ratio Lower Upper

77 100

97 16.4 7.9 23.7



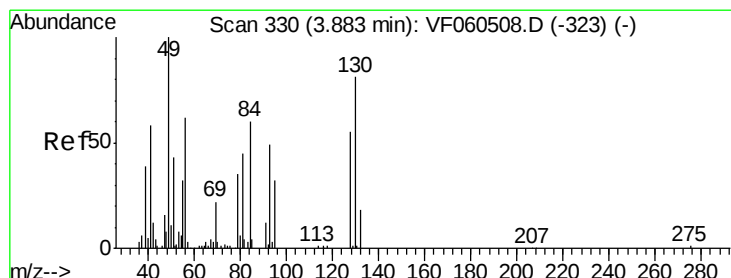
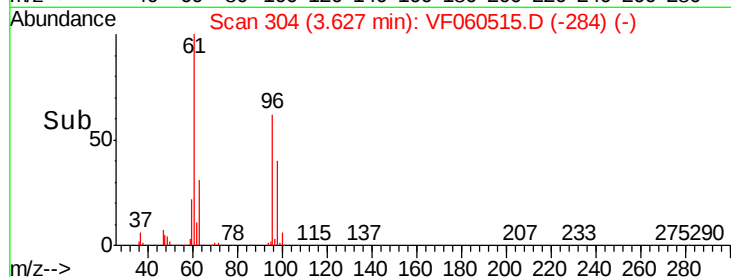
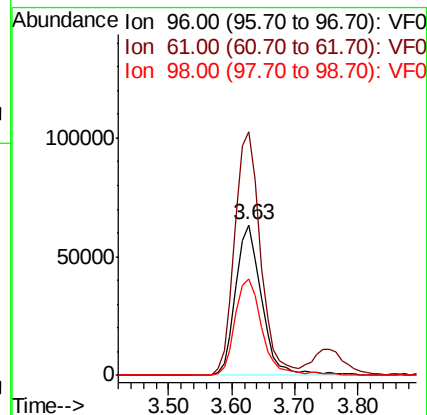
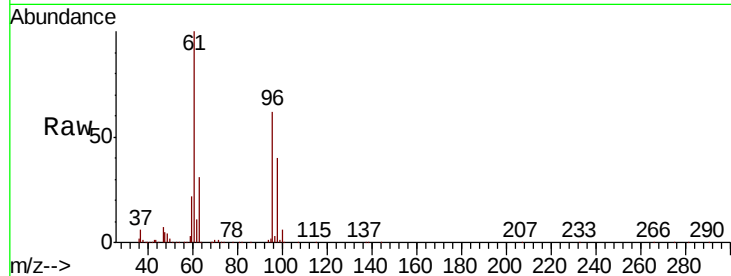


#27

cis-1,2-Dichloroethene
Concen: 57.531 ug/l
RT: 3.63 min Scan# 304
Delta R.T. 0.00 min
Lab File: VF060515.D
Acq: 26 Oct 2018 13:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

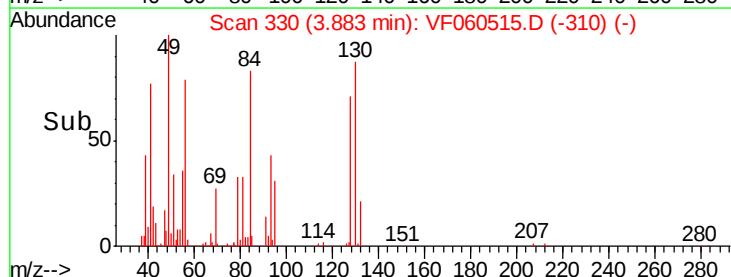
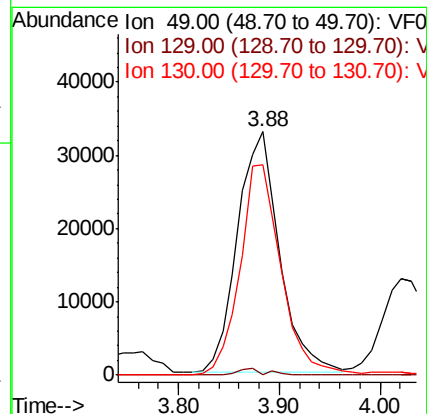
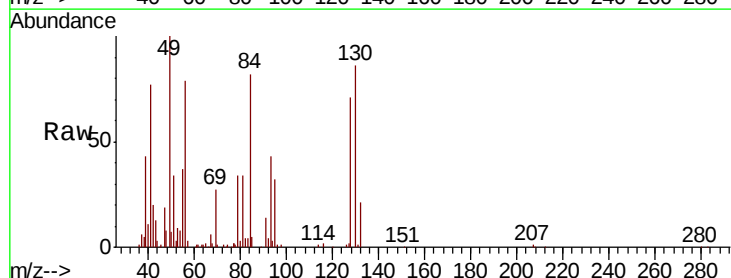
Tot Ion	Ratio	Lower	Upper
96	100		
61	162.0	0.0	377.0
98	64.4	0.0	122.4

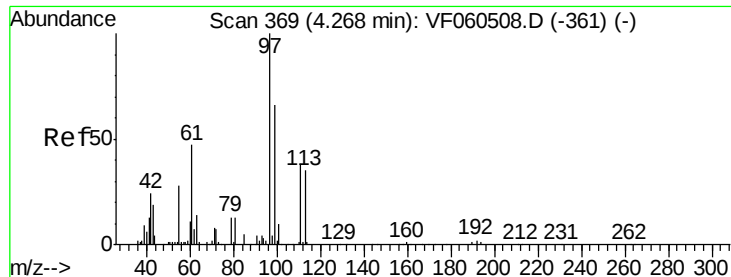


#28

Bromochloromethane
Concen: 43.487 ug/l
RT: 3.88 min Scan# 330
Delta R.T. 0.00 min
Lab File: VF060515.D
Acq: 26 Oct 2018 13:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	2.0
130	86.4	65.0	97.4





#29

Tetrahydrofuran

Concen: 313.511 ug/l

RT: 4.24 min Scan# 366

Delta R.T. -0.03 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

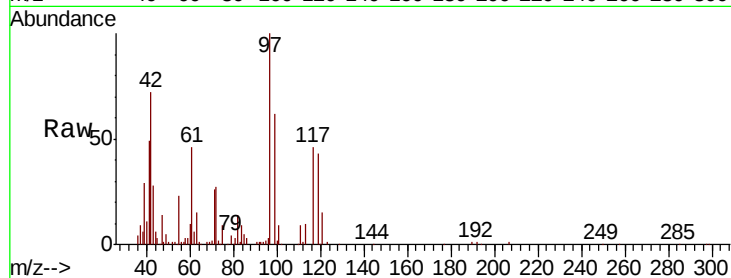
Tot Ion: 42 Resp: 93033

Ion Ratio Lower Upper

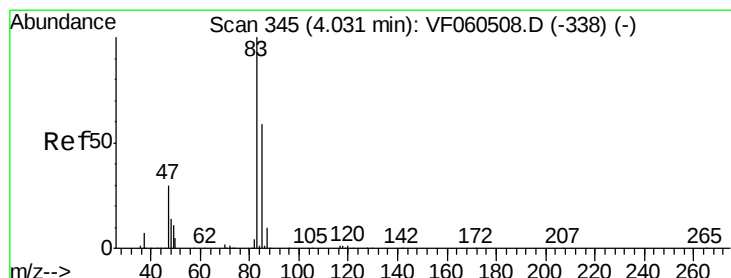
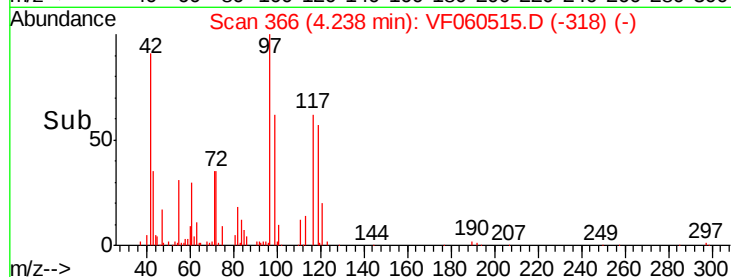
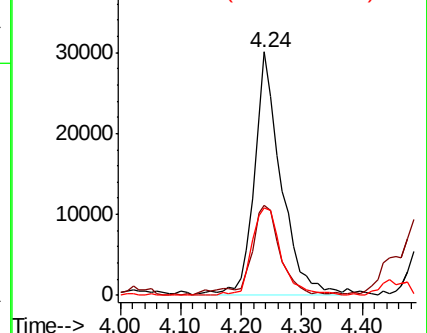
42 100

72 40.6 32.1 48.1

71 39.2 29.7 44.5



Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 49.704 ug/l

RT: 4.03 min Scan# 345

Delta R.T. 0.00 min

Lab File: VF060515.D

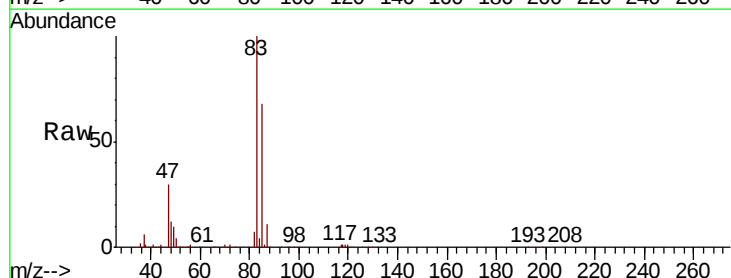
Acq: 26 Oct 2018 13:03

Tgt Ion: 83 Resp: 429110

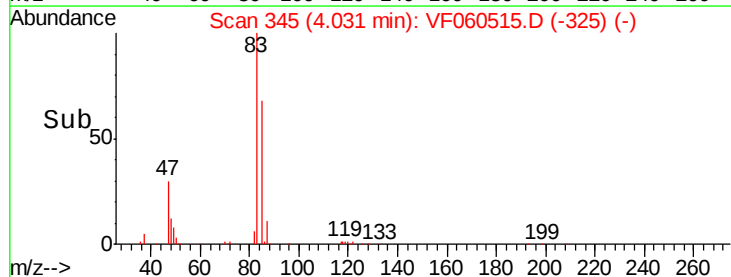
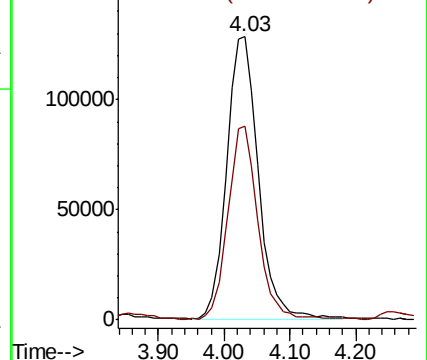
Ion Ratio Lower Upper

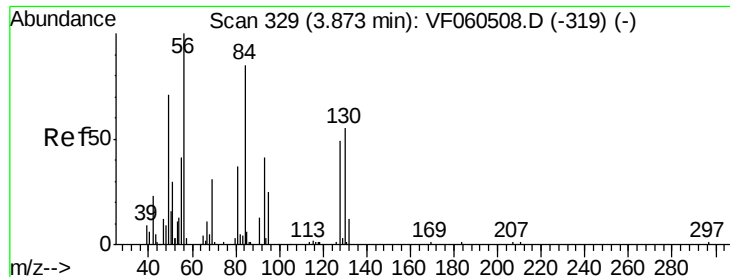
83 100

85 68.4 47.4 71.2



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0

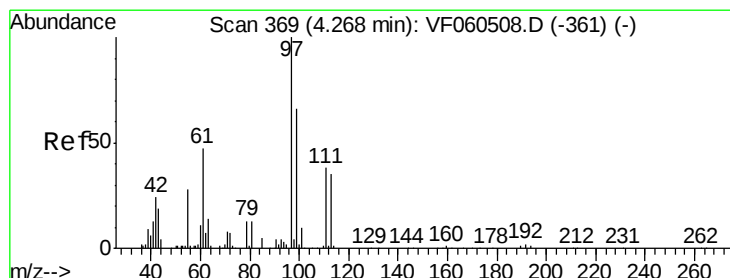
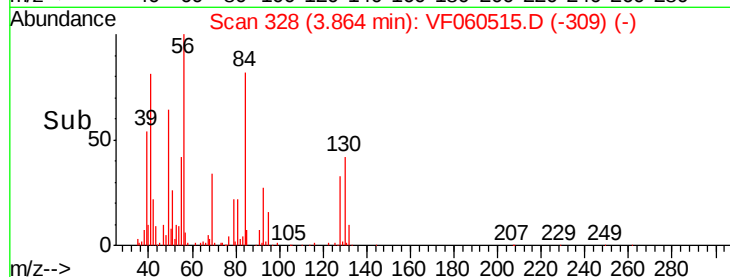
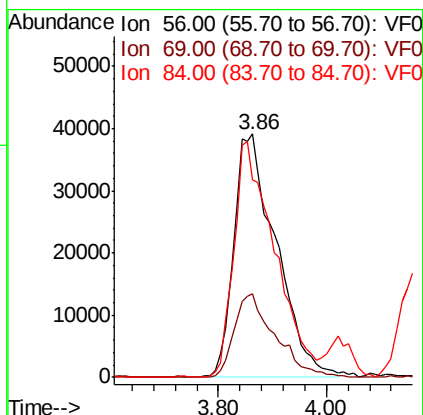
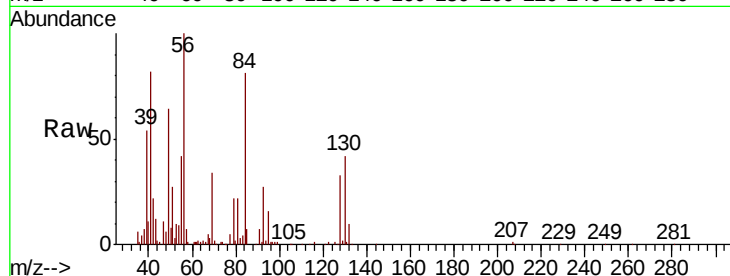




#31
Cyclohexane
Concen: 57.662 ug/l
RT: 3.86 min Scan# 328
Delta R.T. -0.01 min
Lab File: VF060515.D
Acq: 26 Oct 2018 13:03

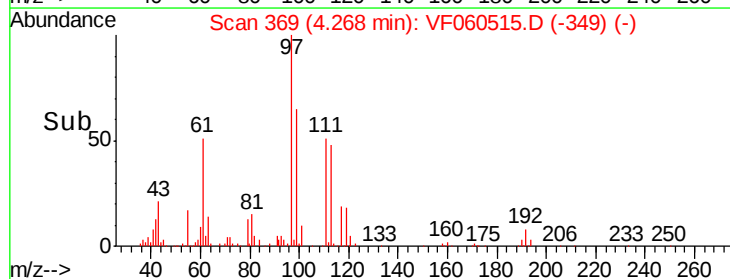
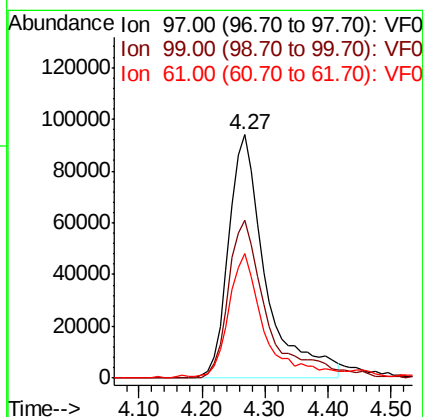
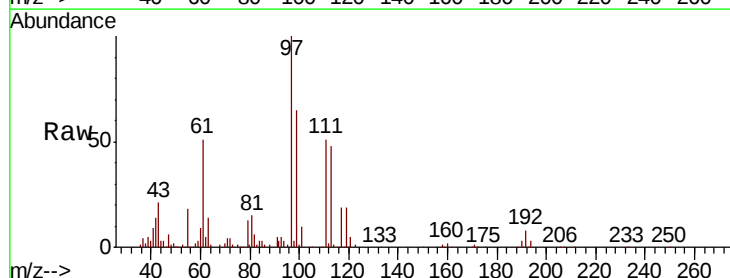
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

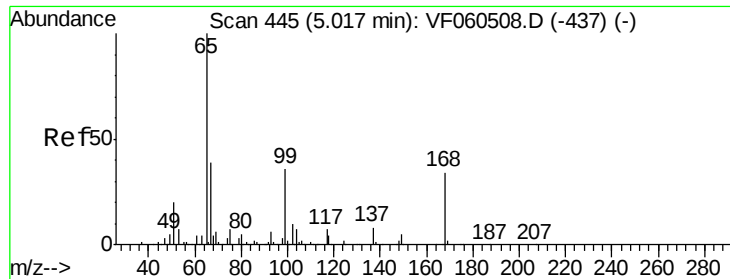
Tot Ion	Ratio	Lower	Upper
56	100		
69	34.2	24.6	37.0
84	81.2	68.2	102.2



#32
1,1,1-Trichloroethane
Concen: 48.168 ug/l
RT: 4.27 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF060515.D
Acq: 26 Oct 2018 13:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	53.0	79.6
61	51.3	37.9	56.9





#33

1,2-Dichloroethane-d4

Concen: 43.130 ug/l

RT: 5.01 min Scan# 444

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

ClientSampleId :

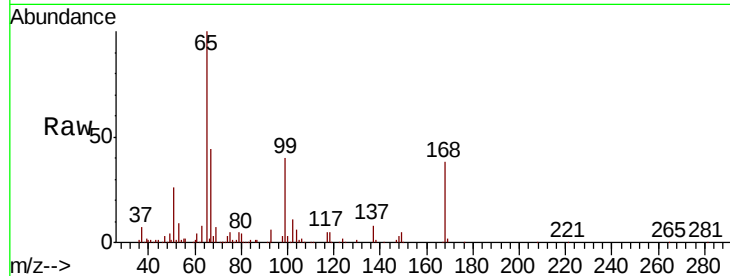
VSTDCCC050

Tot Ion: 65 Resp: 208190

Ion Ratio Lower Upper

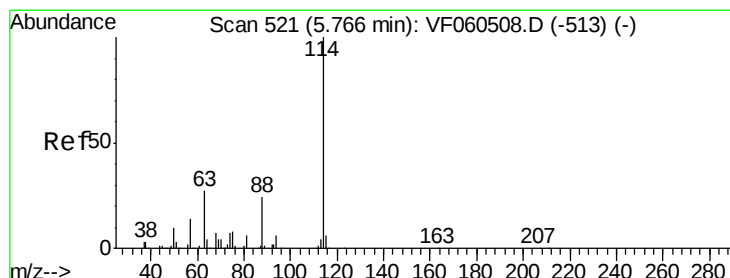
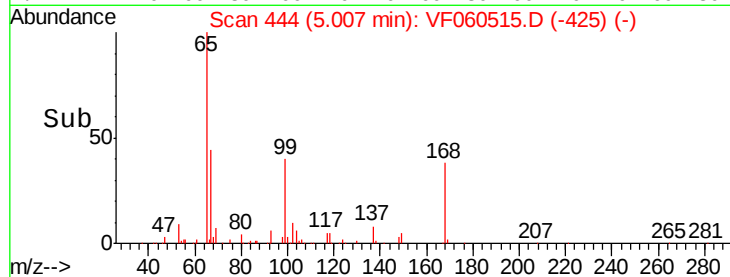
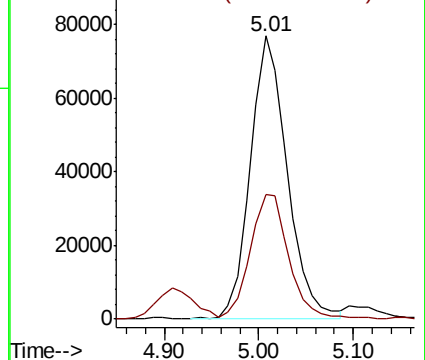
65 100

67 44.1 0.0 85.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 520

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

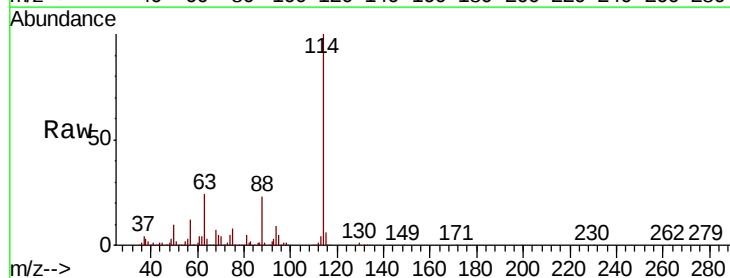
Tgt Ion: 114 Resp: 366240

Ion Ratio Lower Upper

114 100

63 23.9 0.0 54.4

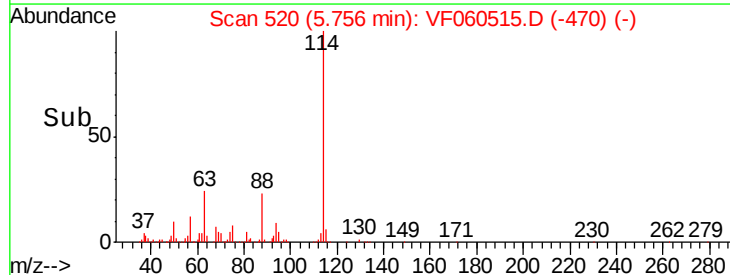
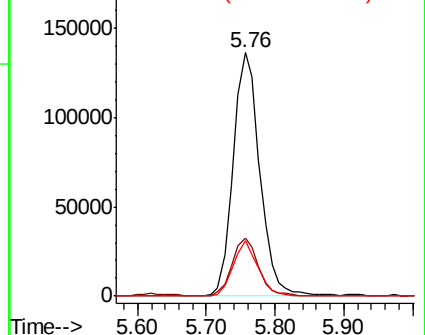
88 22.6 0.0 47.2

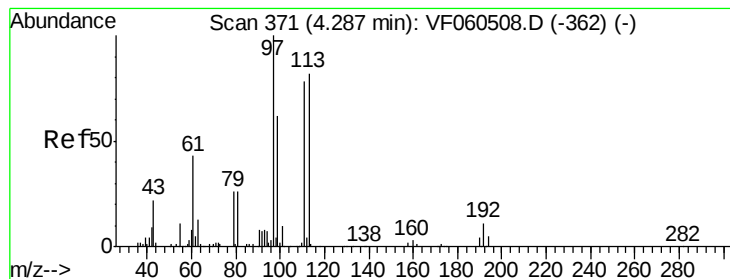


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 43.992 ug/l

RT: 4.28 min Scan# 370

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

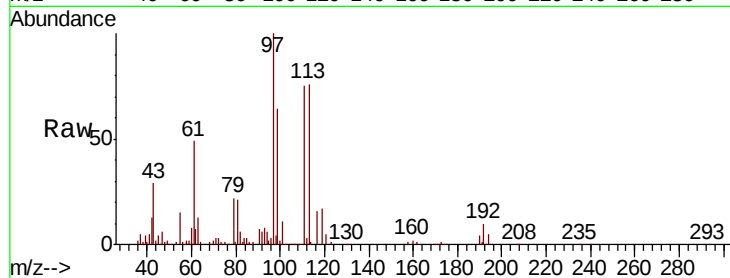
Tot Ion:113 Resp: 193126

Ion Ratio Lower Upper

113 100

111 98.5 75.9 113.9

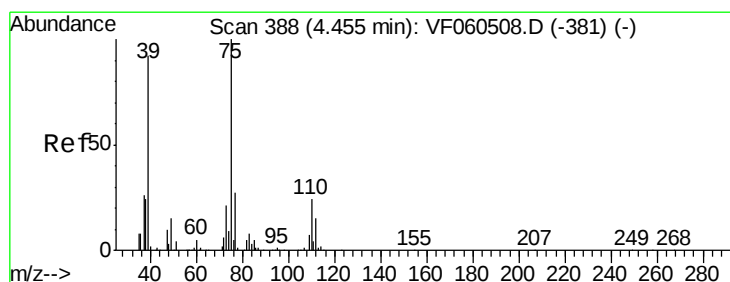
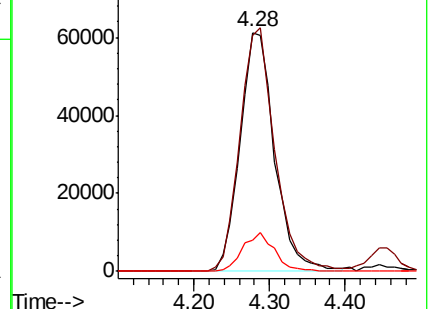
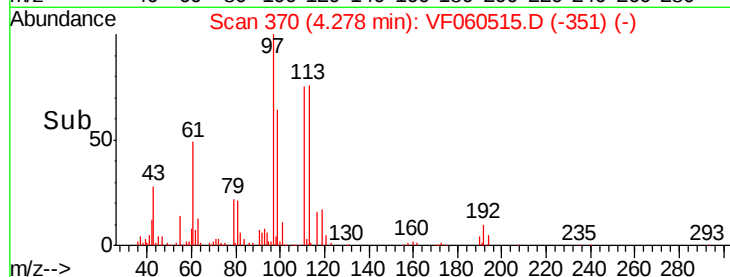
192 13.2 10.6 15.8



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 51.411 ug/l

RT: 4.45 min Scan# 387

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

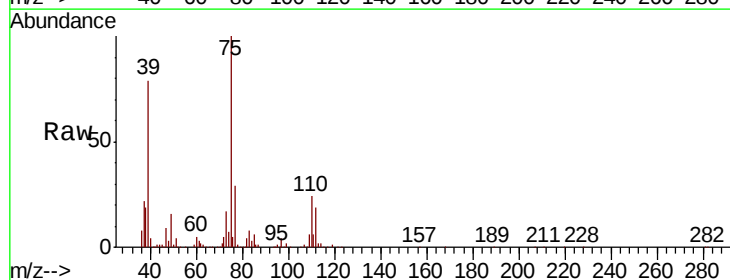
Tgt Ion: 75 Resp: 278667

Ion Ratio Lower Upper

75 100

110 24.1 12.1 36.3

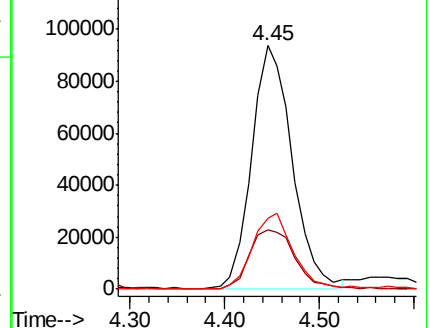
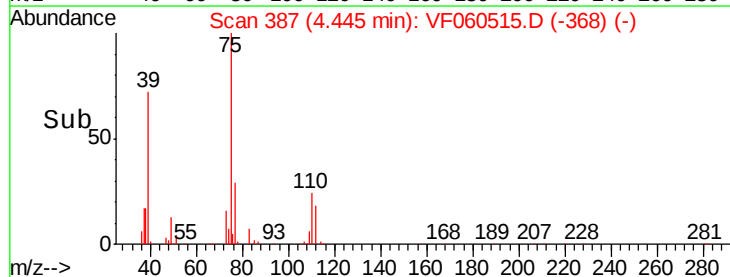
77 28.9 21.8 32.6

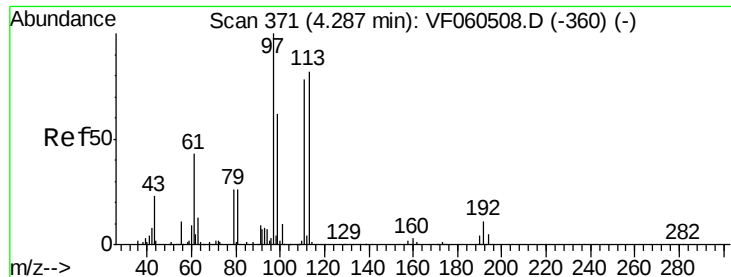


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 59.294 ug/l

RT: 4.28 min Scan# 370

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

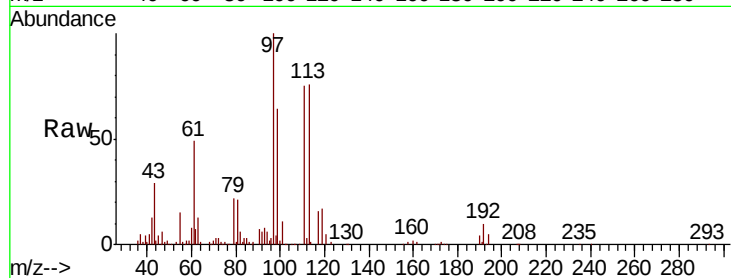
Tot Ion: 43 Resp: 86852

Ion Ratio Lower Upper

43 100

61 170.8 148.5 222.7

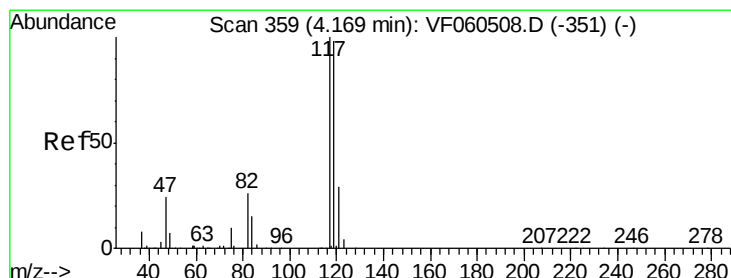
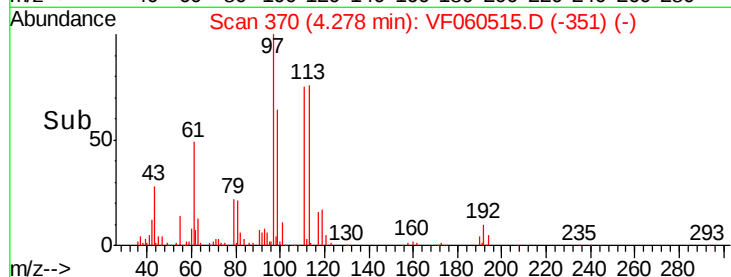
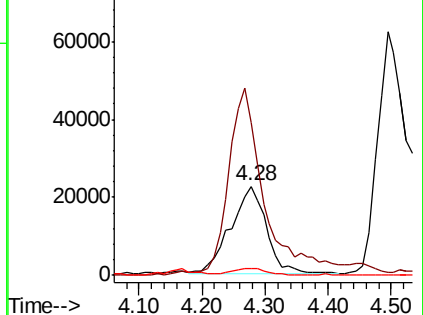
70 7.6 4.7 7.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 51.269 ug/l

RT: 4.16 min Scan# 358

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

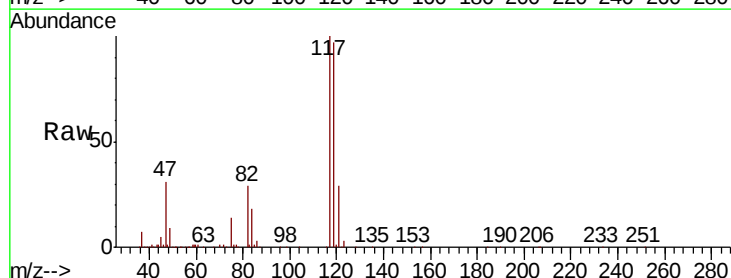
Tgt Ion: 117 Resp: 420528

Ion Ratio Lower Upper

117 100

119 97.5 78.3 117.5

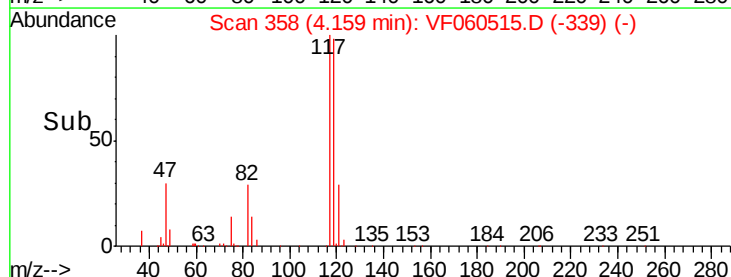
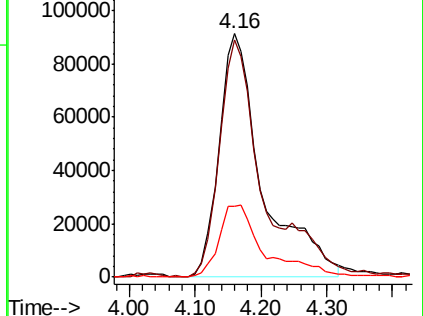
121 28.9 23.3 34.9

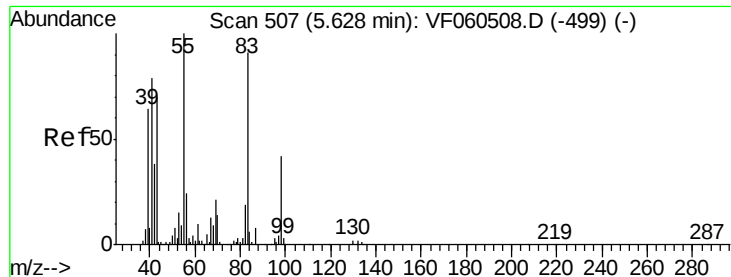


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





#39

Methylcyclohexane

Concen: 58.034 ug/l

RT: 5.62 min Scan# 506

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

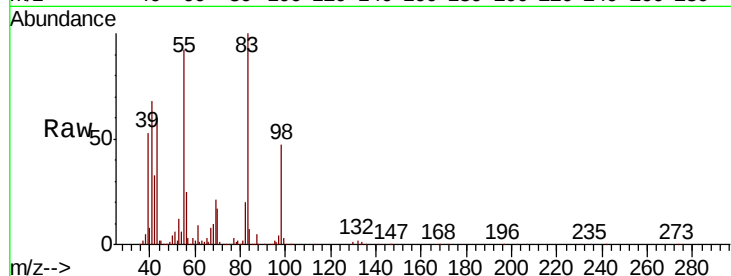
Tot Ion: 83 Resp: 256724

Ion Ratio Lower Upper

83 100

55 92.4 87.9 131.9

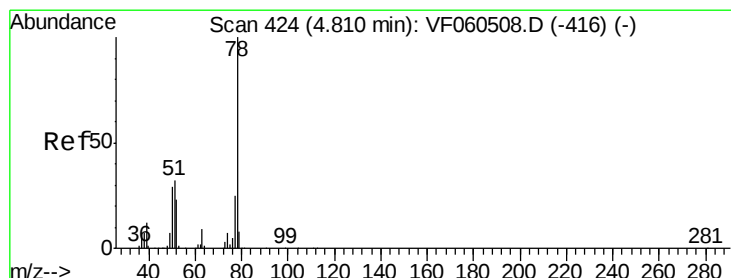
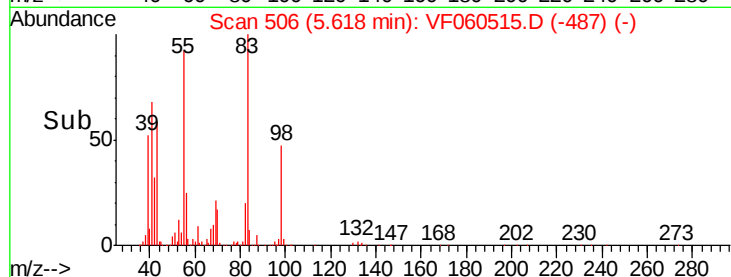
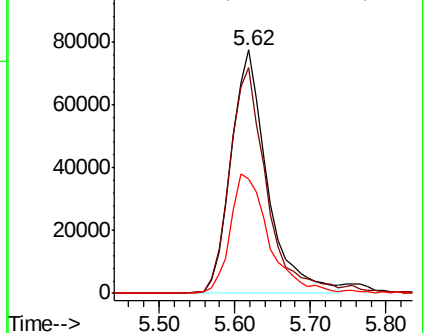
98 46.8 37.0 55.6



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: 57.379 ug/l

RT: 4.80 min Scan# 423

Delta R.T. -0.01 min

Lab File: VF060515.D

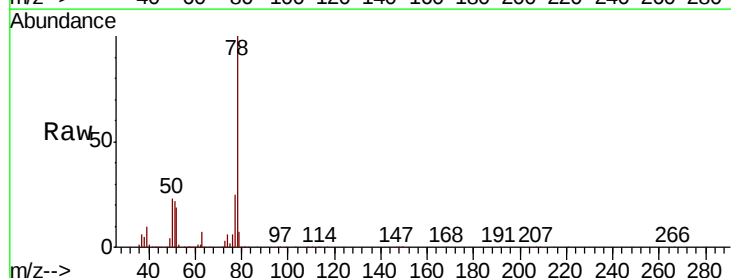
Acq: 26 Oct 2018 13:03

Tgt Ion: 78 Resp: 511711

Ion Ratio Lower Upper

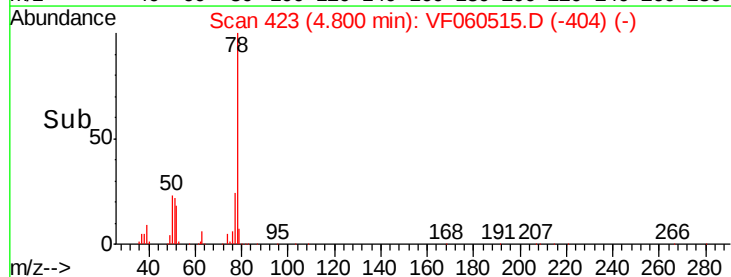
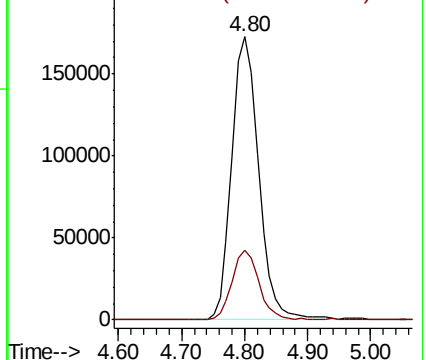
78 100

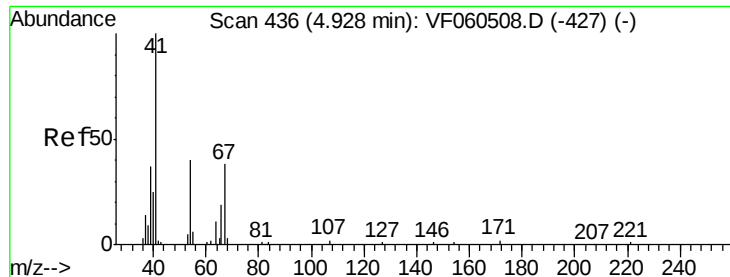
77 24.6 20.2 30.4



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0





#41

Methacrylonitrile

Concen: 53.596 ug/l

RT: 4.91 min Scan# 434

Delta R.T. -0.02 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 48711

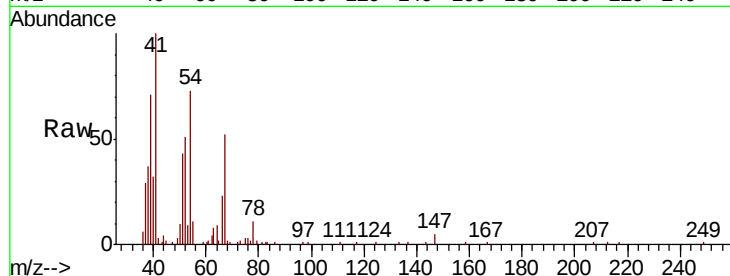
Ion Ratio Lower Upper

41 100

39 70.8 55.2 82.8

67 51.7 29.8 44.8#

52 50.6 37.0 55.6

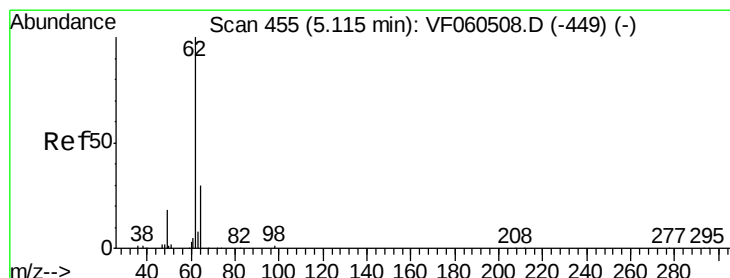
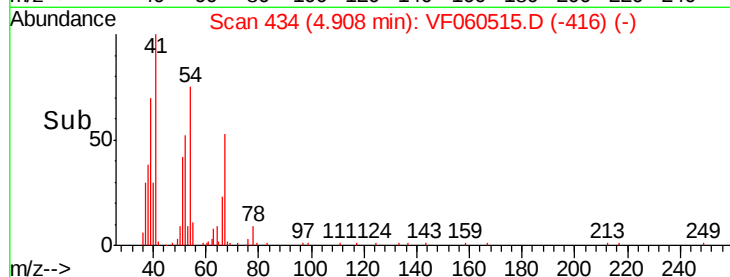
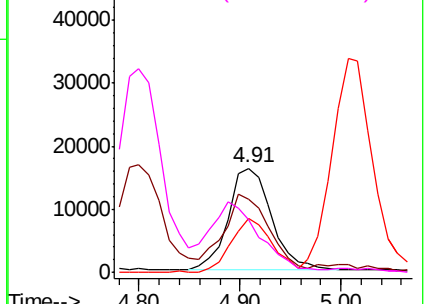


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 48.424 ug/l

RT: 5.11 min Scan# 454

Delta R.T. -0.01 min

Lab File: VF060515.D

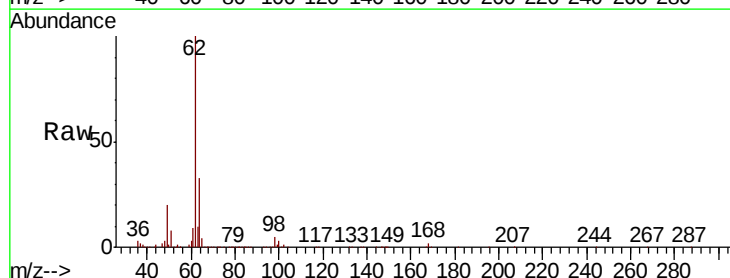
Acq: 26 Oct 2018 13:03

Tgt Ion: 62 Resp: 279146

Ion Ratio Lower Upper

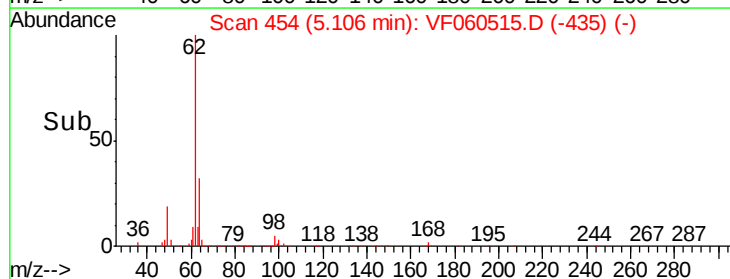
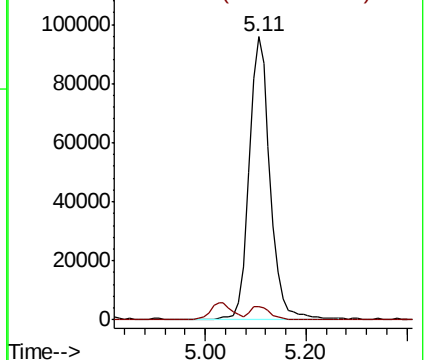
62 100

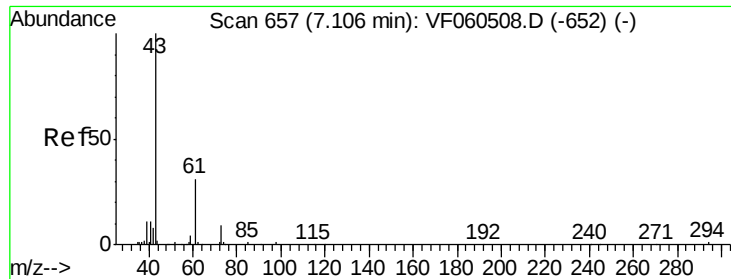
98 4.7 0.0 9.4



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



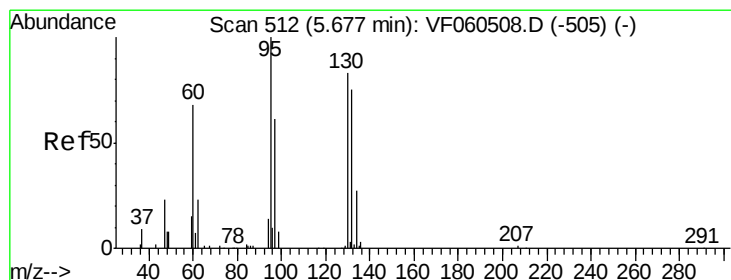
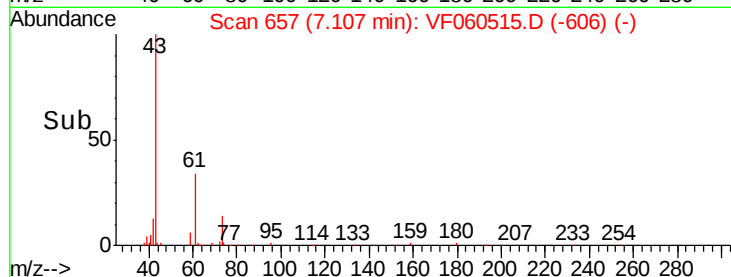
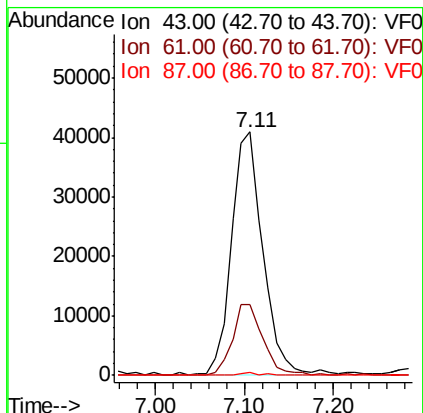
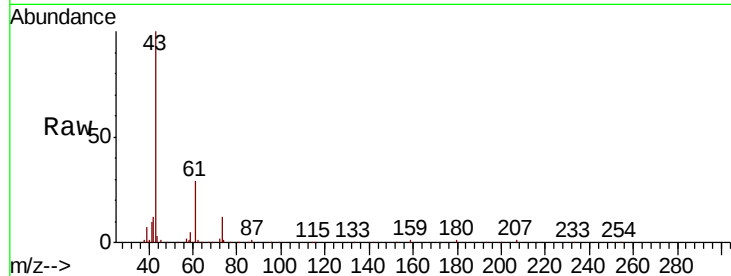


#43

Isopropyl Acetate
 Concen: 54.129 ug/l
 RT: 7.11 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: VF060515.D
 Acq: 26 Oct 2018 13:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

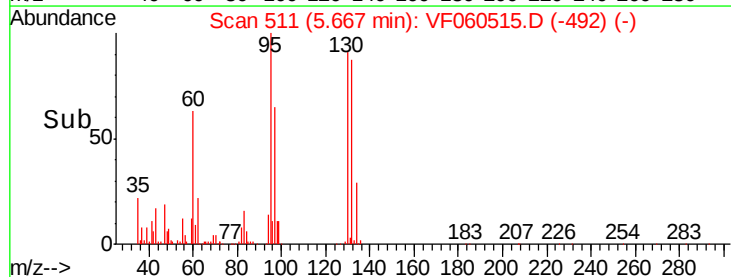
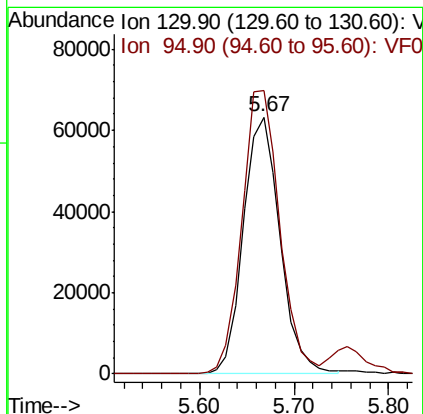
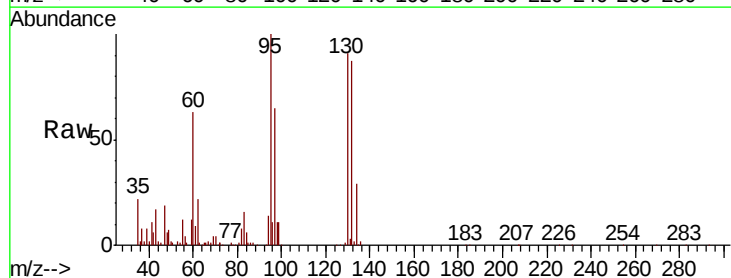
Tot Ion: 43 Resp: 101117
 Ion Ratio Lower Upper
 43 100
 61 29.1 24.4 36.6
 87 1.0 0.0 0.0#

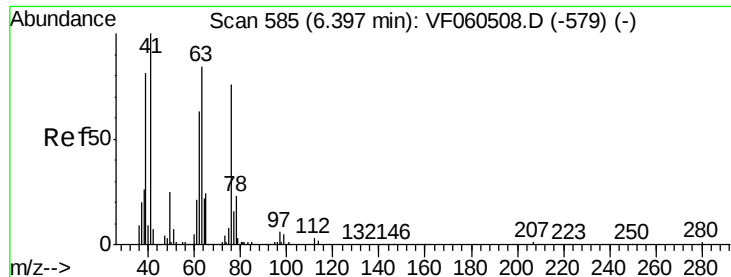


#44

Trichloroethene
 Concen: 54.912 ug/l
 RT: 5.67 min Scan# 511
 Delta R.T. -0.01 min
 Lab File: VF060515.D
 Acq: 26 Oct 2018 13:03

Tgt Ion: 130 Resp: 170854
 Ion Ratio Lower Upper
 130 100
 95 110.1 0.0 242.8

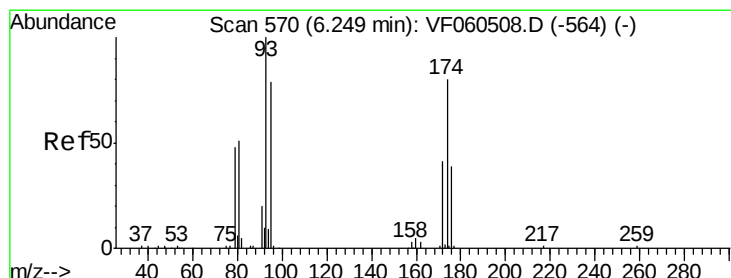
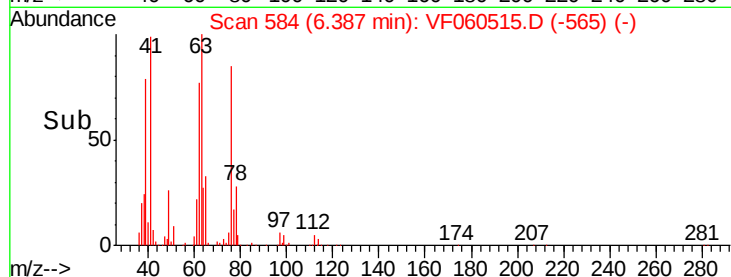
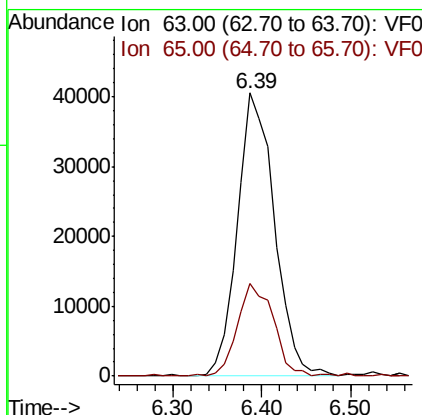
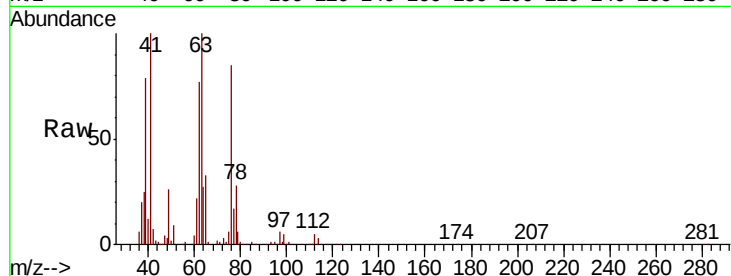




#45
 1,2-Dichloropropane
 Concen: 51.841 ug/l
 RT: 6.39 min Scan# 584
 Delta R.T. -0.01 min
 Lab File: VF060515.D
 Acq: 26 Oct 2018 13:03

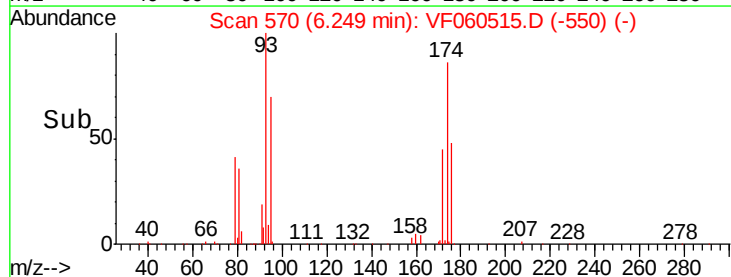
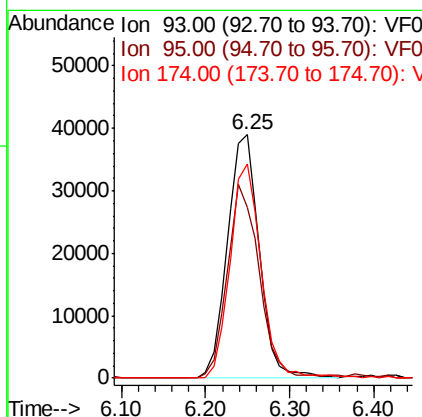
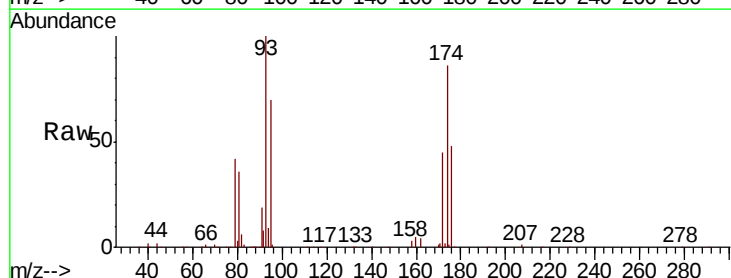
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

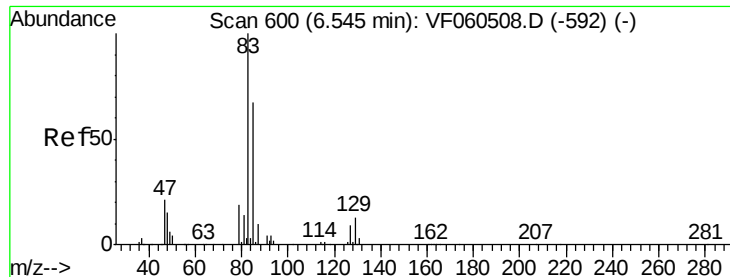
Tot Ion: 63 Resp: 117071
 Ion Ratio Lower Upper
 63 100
 65 32.6 22.7 34.1



#46
 Dibromomethane
 Concen: 48.430 ug/l
 RT: 6.25 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: VF060515.D
 Acq: 26 Oct 2018 13:03

Tgt Ion: 93 Resp: 102630
 Ion Ratio Lower Upper
 93 100
 95 70.9 63.8 95.8
 174 87.8 64.9 97.3





#47

Bromodichloromethane

Concen: 46.443 ug/l

RT: 6.53 min Scan# 599

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

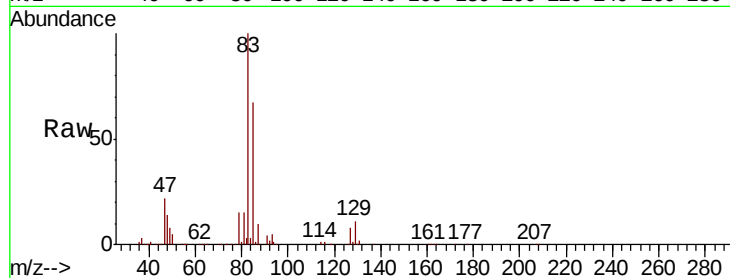
Tot Ion: 83 Resp: 276111

Ion Ratio Lower Upper

83 100

85 66.9 53.4 80.0

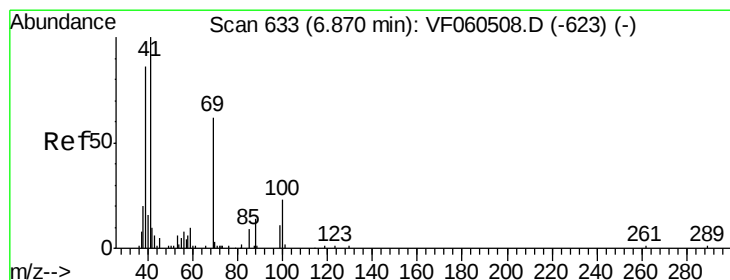
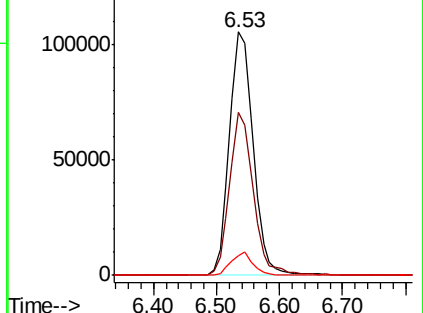
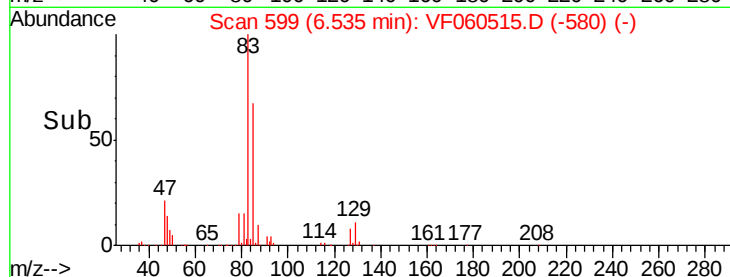
127 8.0 6.9 10.3



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: 50.358 ug/l

RT: 6.86 min Scan# 632

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

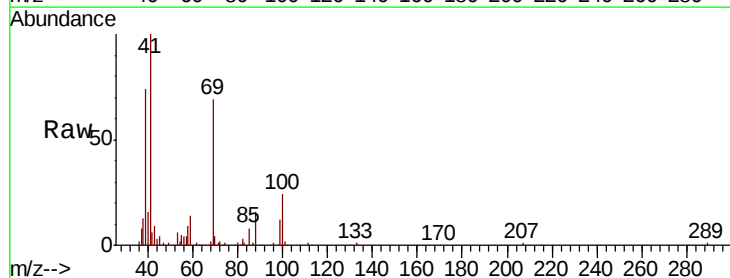
Tgt Ion: 41 Resp: 70913

Ion Ratio Lower Upper

41 100

69 68.9 49.6 74.4

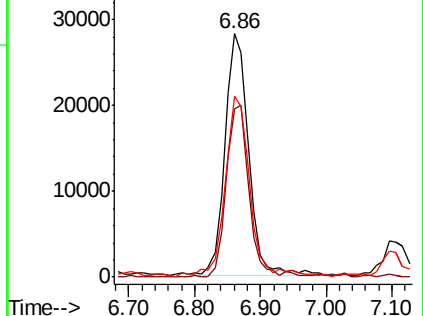
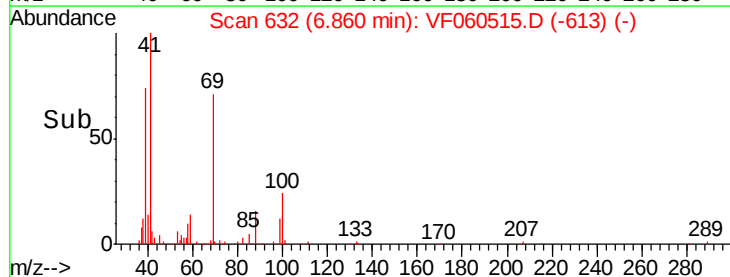
39 74.3 69.4 104.2

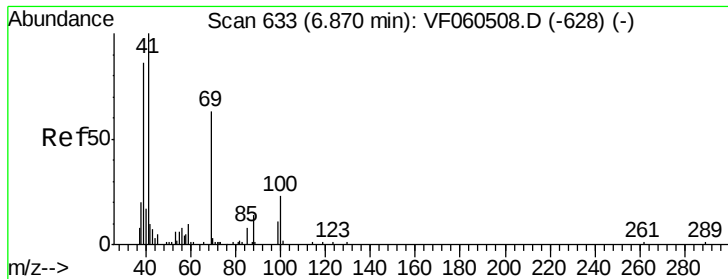


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 1159.490 ug/l

RT: 6.85 min Scan# 631

Delta R.T. -0.02 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

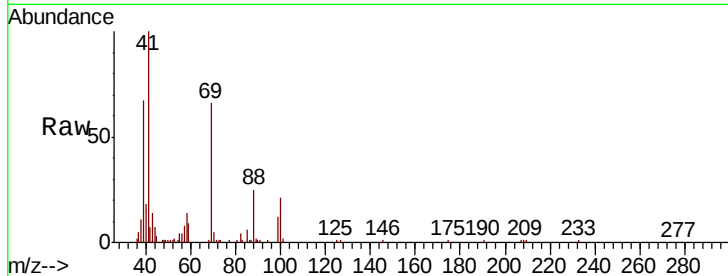
Tot Ion: 88 Resp: 14068

Ion Ratio Lower Upper

88 100

43 57.4 39.3 58.9

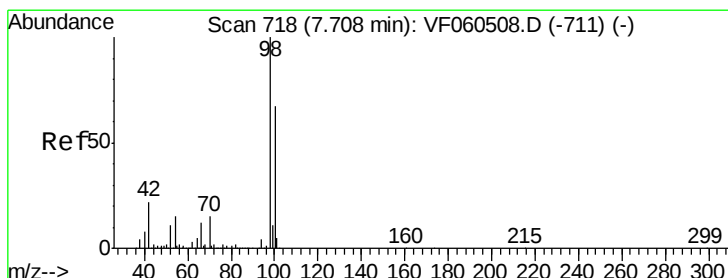
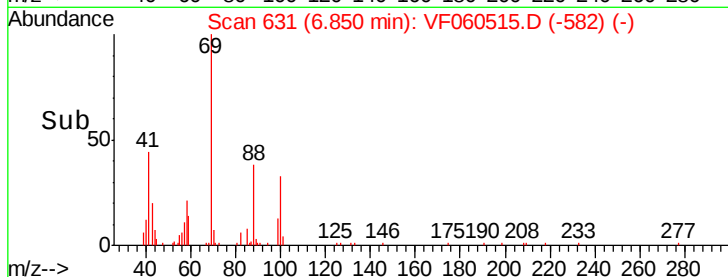
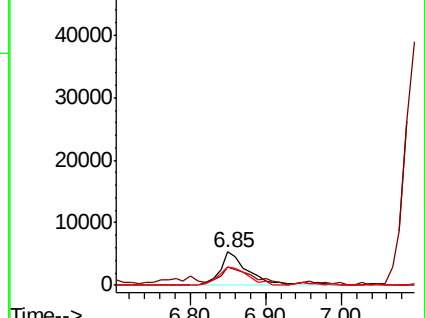
58 55.5 35.0 52.6#



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: 46.362 ug/l

RT: 7.70 min Scan# 717

Delta R.T. -0.01 min

Lab File: VF060515.D

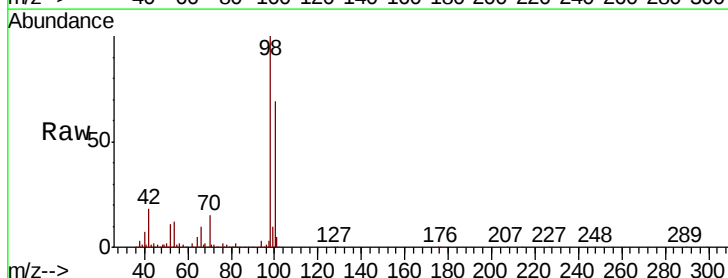
Acq: 26 Oct 2018 13:03

Tgt Ion: 98 Resp: 408453

Ion Ratio Lower Upper

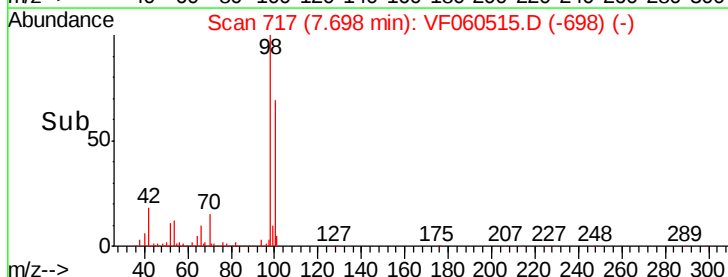
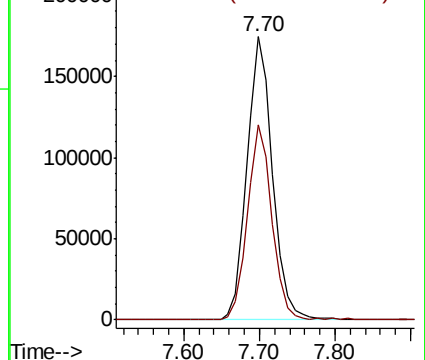
98 100

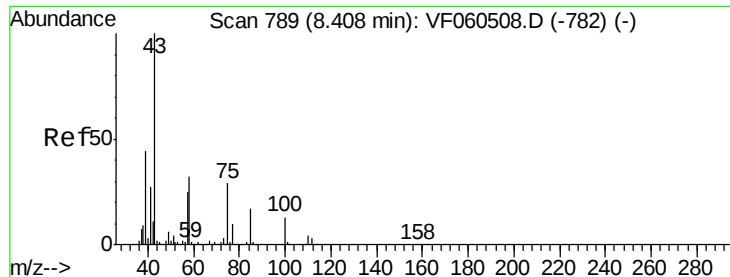
100 68.8 53.4 80.0



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: 259.029 ug/l

RT: 8.40 min Scan# 788

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

ClientSampleId :

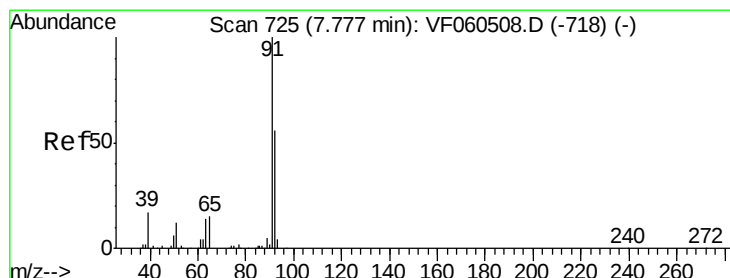
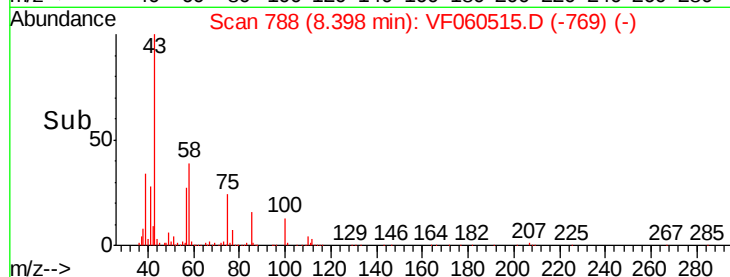
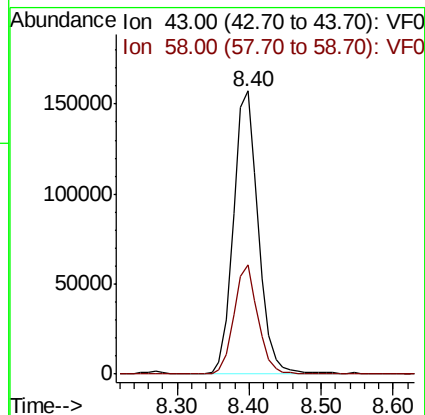
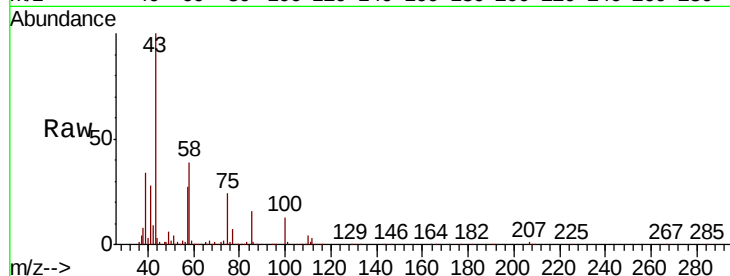
VSTDCCC050

Tot Ion: 43 Resp: 378004

Ion Ratio Lower Upper

43 100

58 38.8 25.4 38.2#



#52

Toluene

Concen: 56.247 ug/l

RT: 7.77 min Scan# 724

Delta R.T. -0.01 min

Lab File: VF060515.D

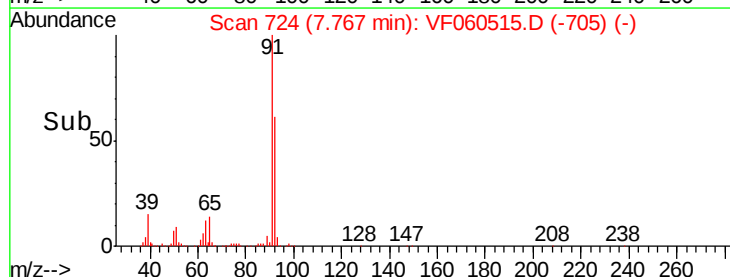
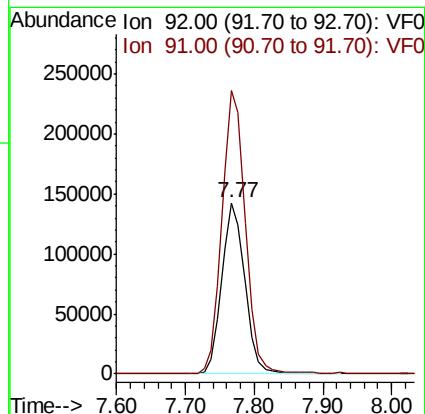
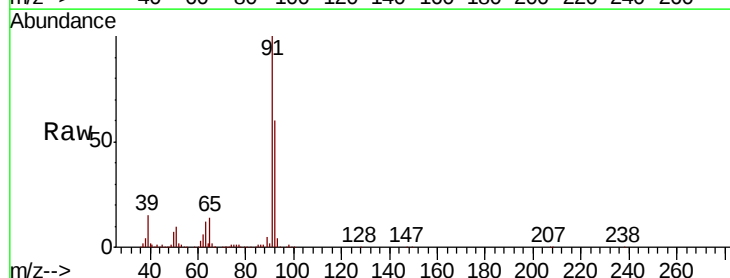
Acq: 26 Oct 2018 13:03

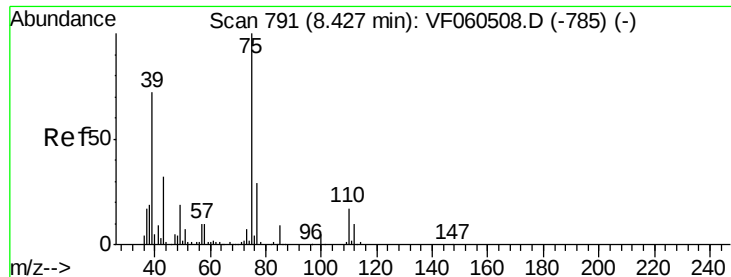
Tgt Ion: 92 Resp: 329835

Ion Ratio Lower Upper

92 100

91 165.3 143.8 215.8





#53

t-1,3-Dichloropropene

Concen: 46.763 ug/l

RT: 8.42 min Scan# 790

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

ClientSampled :

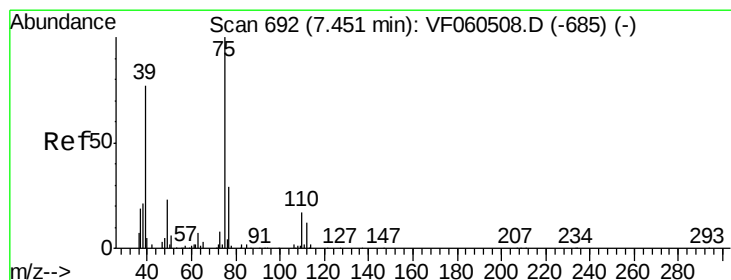
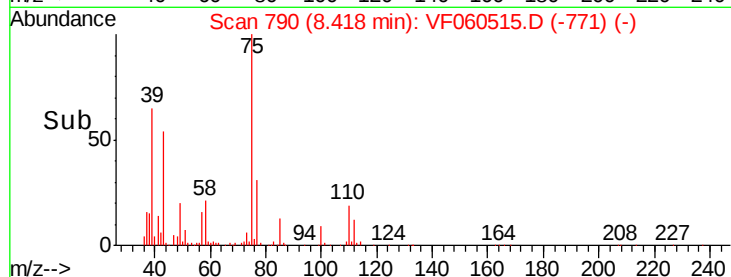
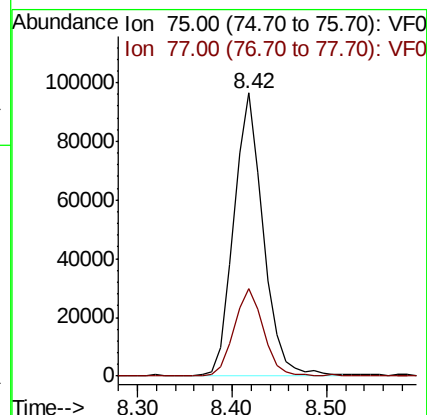
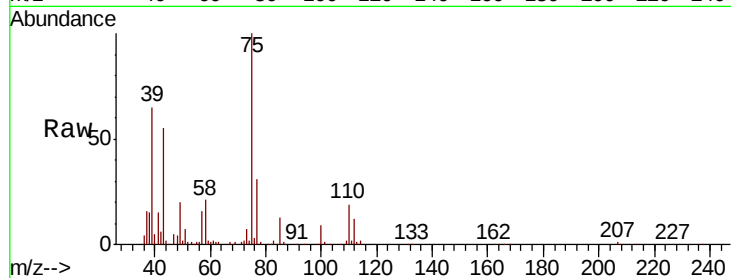
VSTDCCC050

Tot Ion: 75 Resp: 205858

Ion Ratio Lower Upper

75 100

77 30.9 23.7 35.5



#54

cis-1,3-Dichloropropene

Concen: 53.044 ug/l

RT: 7.45 min Scan# 692

Delta R.T. 0.00 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

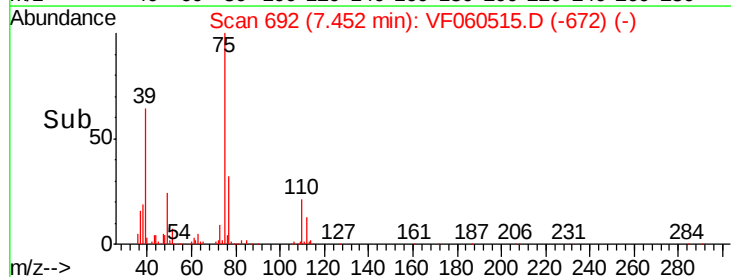
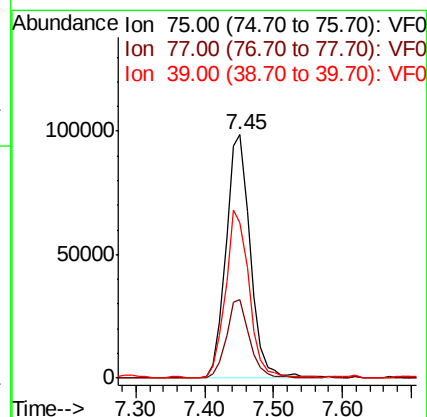
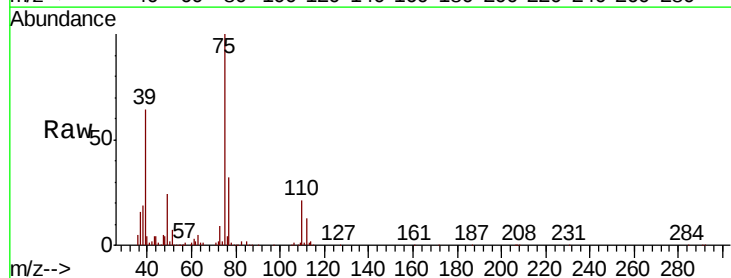
Tgt Ion: 75 Resp: 240548

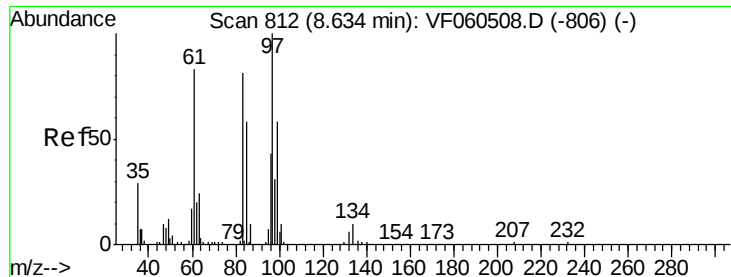
Ion Ratio Lower Upper

75 100

77 32.2 23.6 35.4

39 63.8 61.6 92.4





#55

1,1,2-Trichloroethane

Concen: 54.392 ug/l

RT: 8.62 min Scan# 811

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 100978

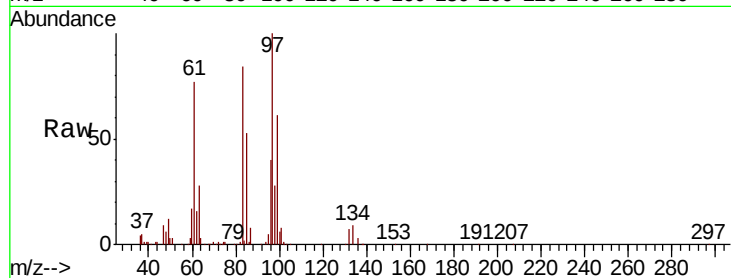
Ion Ratio Lower Upper

97 100

83 84.0 65.0 97.4

85 52.7 47.0 70.6

99 60.6 46.2 69.4

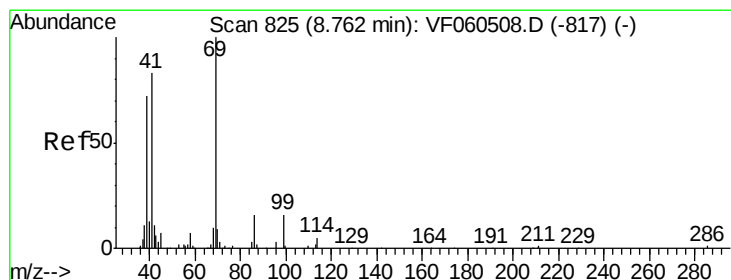
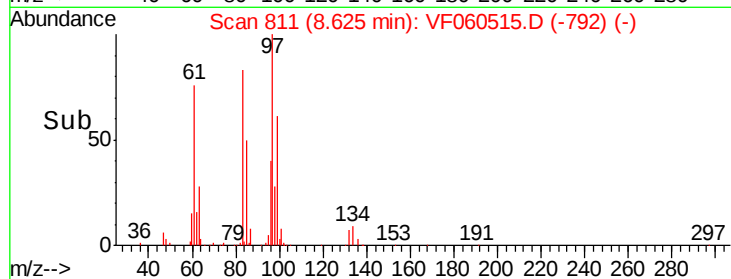
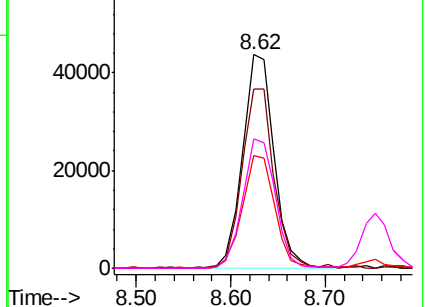


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 56.922 ug/l

RT: 8.75 min Scan# 824

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

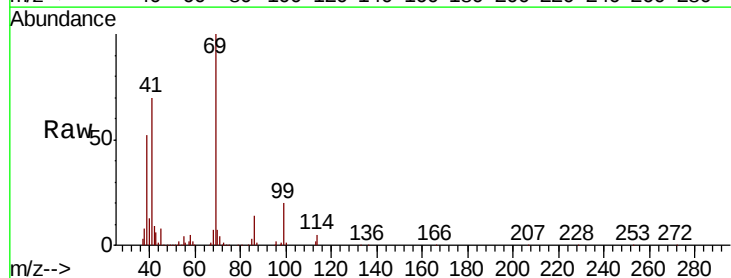
Tgt Ion: 69 Resp: 112711

Ion Ratio Lower Upper

69 100

41 69.8 67.2 100.8

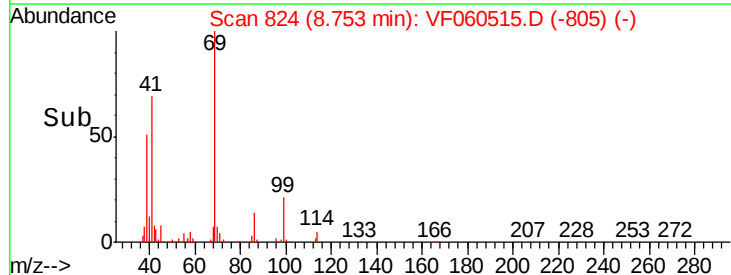
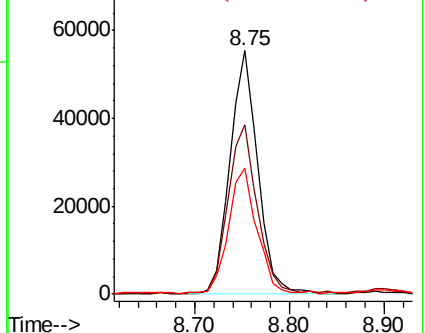
39 51.8 58.4 87.6#

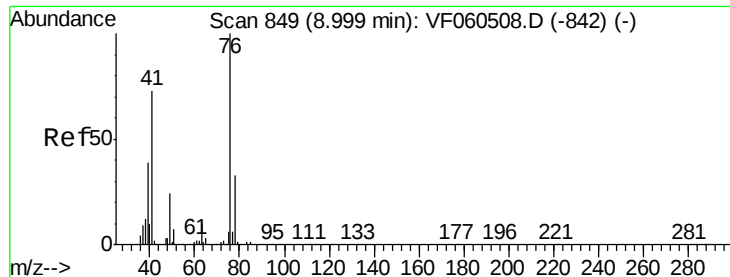


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 52.221 ug/l

RT: 8.99 min Scan# 848

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

ClientSampleId :

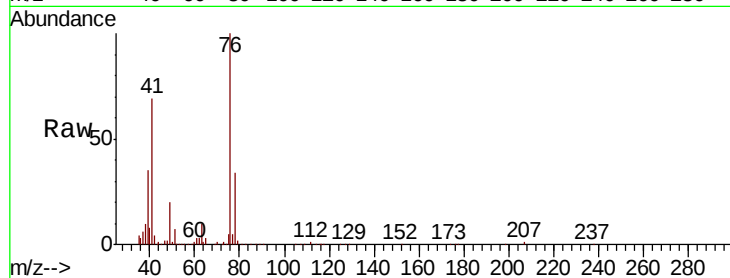
VSTDCCC050

Tot Ion: 76 Resp: 169776

Ion Ratio Lower Upper

76 100

78 33.7 26.6 40.0



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

8.99

80000

60000

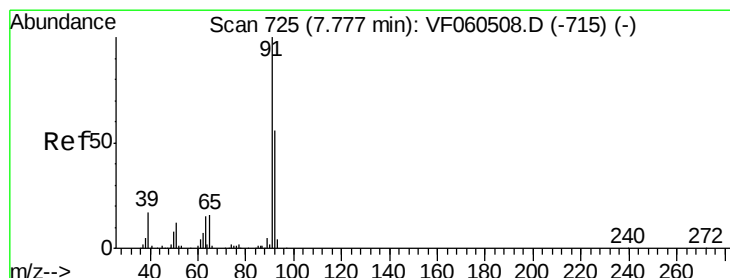
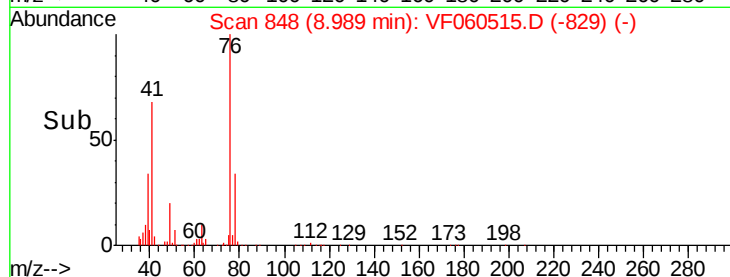
40000

20000

0

8.90 9.00 9.10 9.20

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 236.317 ug/l

RT: 7.77 min Scan# 724

Delta R.T. -0.01 min

Lab File: VF060515.D

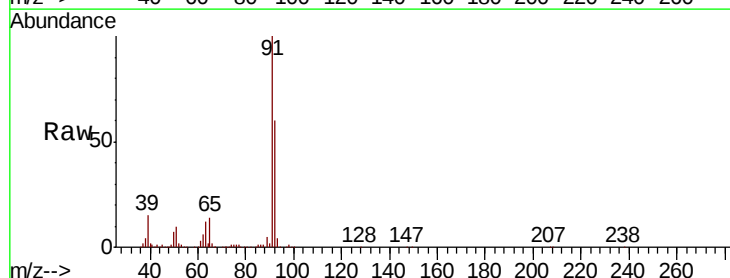
Acq: 26 Oct 2018 13:03

Tgt Ion: 63 Resp: 64706

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

7.77

30000

25000

20000

15000

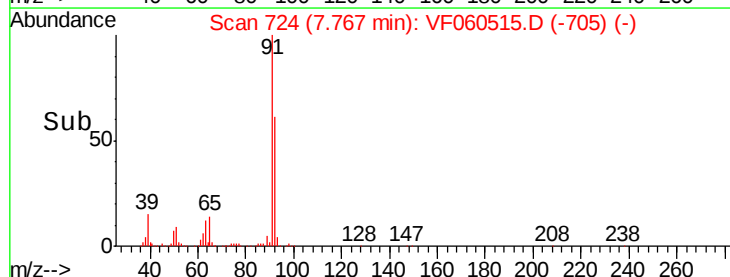
10000

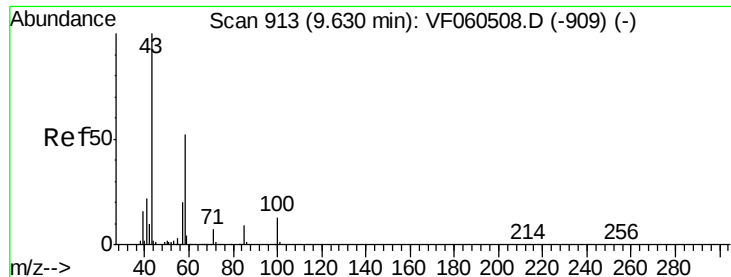
5000

0

7.60 7.70 7.80 7.90

Time-->

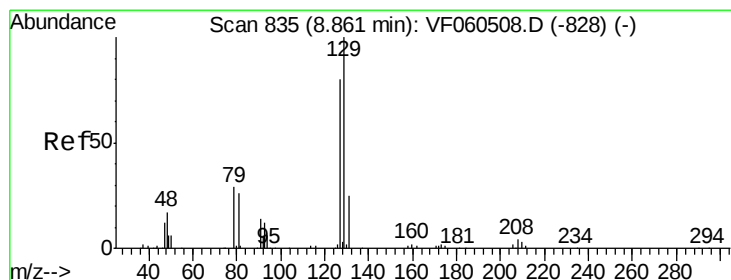
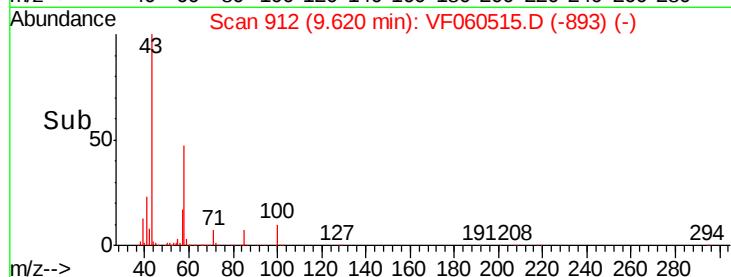
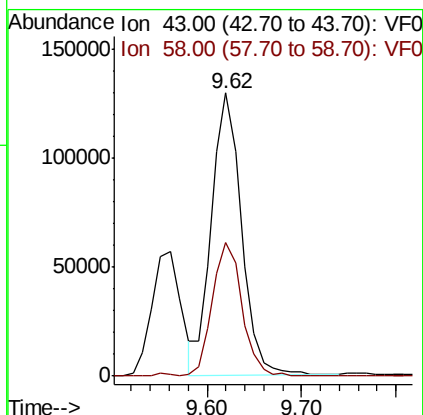
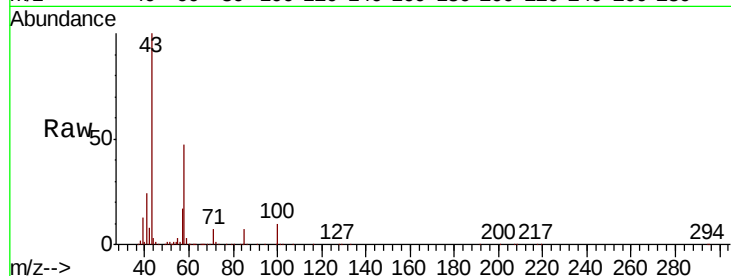




#59
2-Hexanone
Concen: 310.507 ug/l
RT: 9.62 min Scan# 912
Delta R.T. -0.01 min
Lab File: VF060515.D
Acq: 26 Oct 2018 13:03

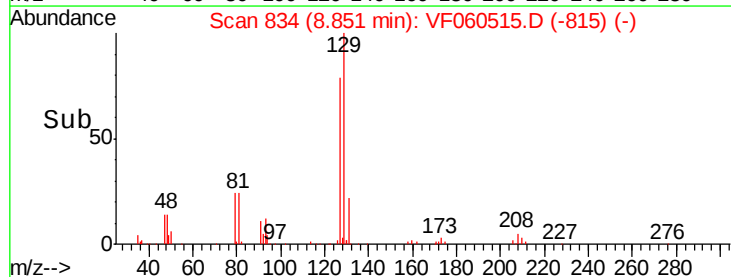
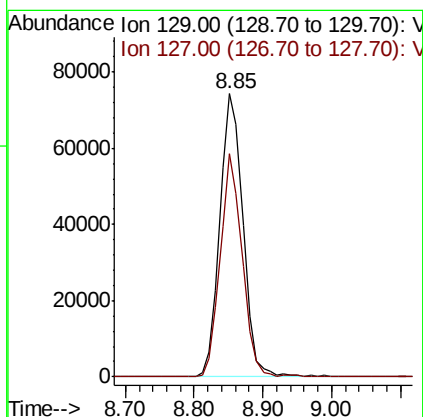
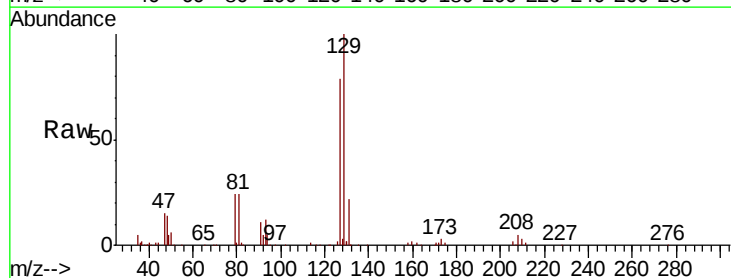
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

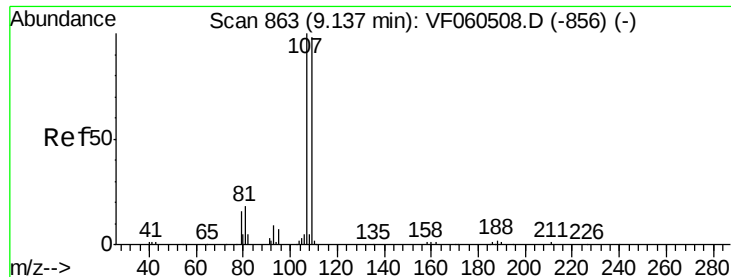
Tot Ion: 43 Resp: 286427
Ion Ratio Lower Upper
43 100
58 47.1 23.5 70.5



#60
Dibromochloromethane
Concen: 49.195 ug/l
RT: 8.85 min Scan# 834
Delta R.T. -0.01 min
Lab File: VF060515.D
Acq: 26 Oct 2018 13:03

Tgt Ion: 129 Resp: 173443
Ion Ratio Lower Upper
129 100
127 78.9 40.2 120.5





#61

1,2-Dibromoethane

Concen: 51.087 ug/l

RT: 9.13 min Scan# 862

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

ClientSampleId :

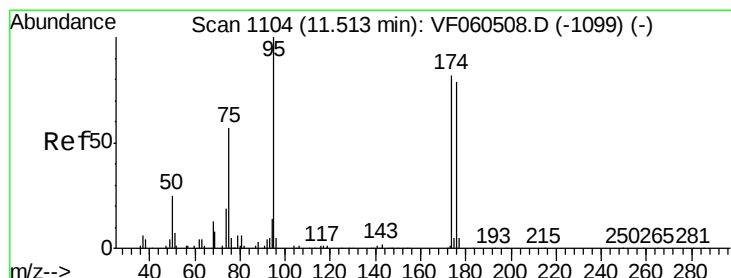
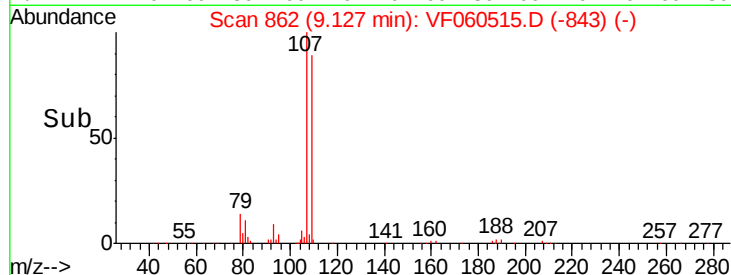
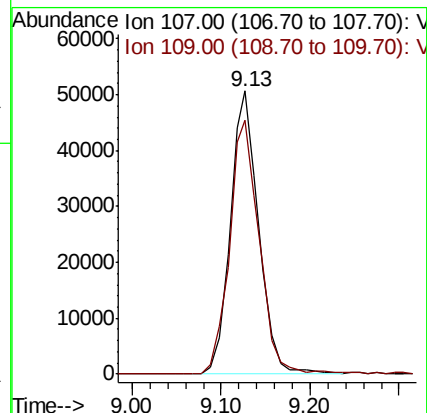
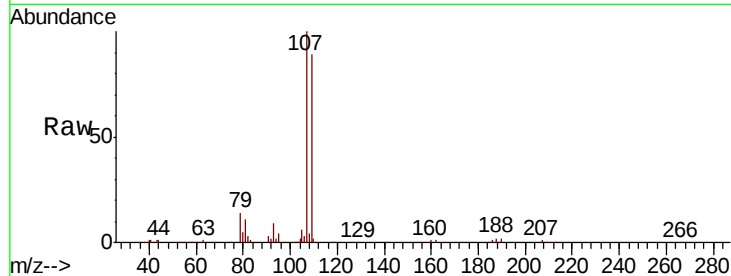
VSTDCCC050

Tot Ion: 107 Resp: 112759

Ion Ratio Lower Upper

107 100

109 89.5 78.6 118.0



#62

4-Bromofluorobenzene

Concen: 40.780 ug/l

RT: 11.50 min Scan# 1103

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

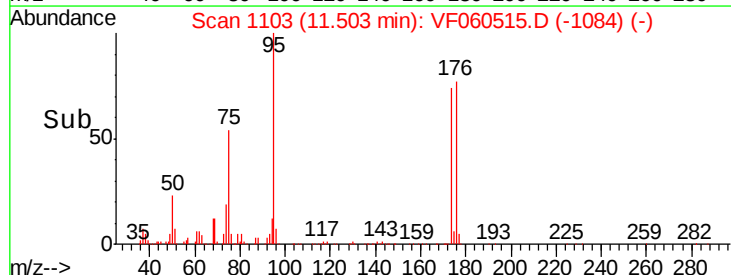
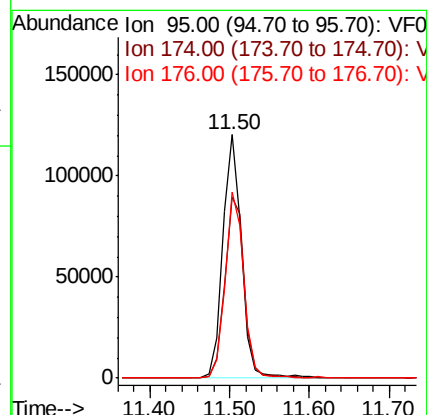
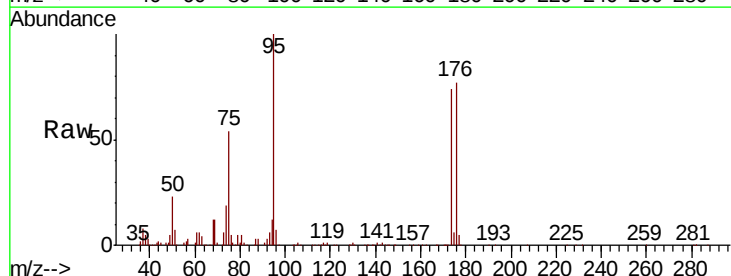
Tgt Ion: 95 Resp: 200105

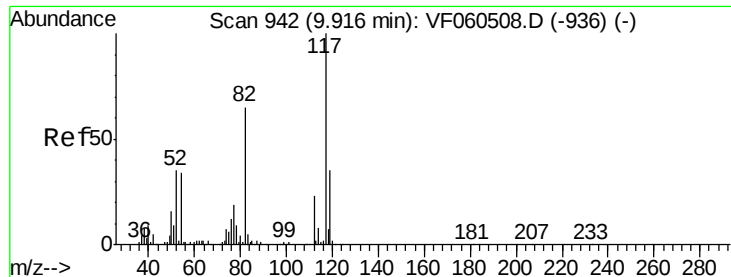
Ion Ratio Lower Upper

95 100

174 74.1 0.0 164.2

176 76.6 0.0 158.4

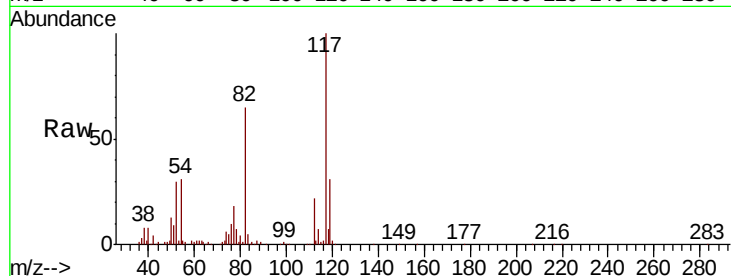




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.01 min
Lab File: VF060515.D
Acq: 26 Oct 2018 13:03

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	65.0	51.7	77.5
119	31.5	28.3	42.5

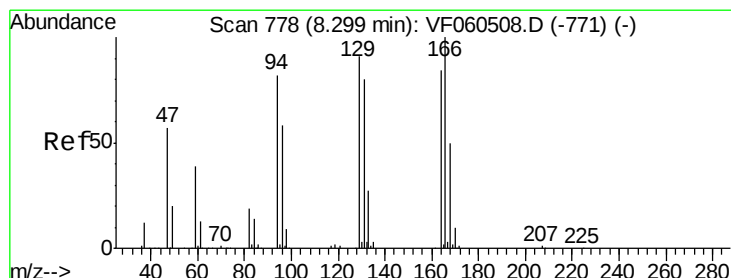
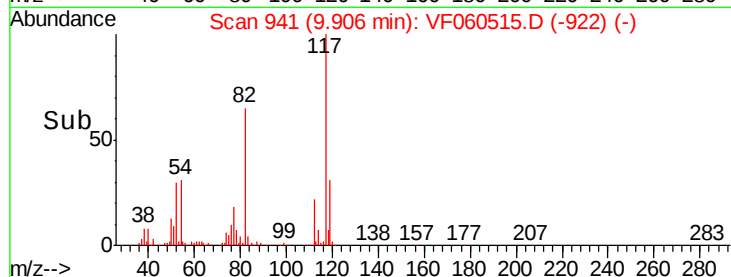
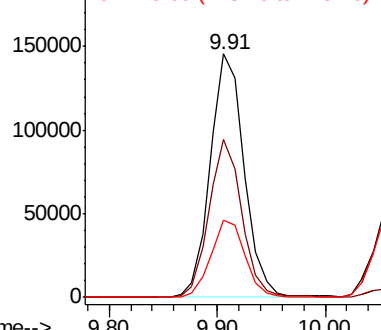


Abundance

Ion 117.00 (116.70 to 117.70): V

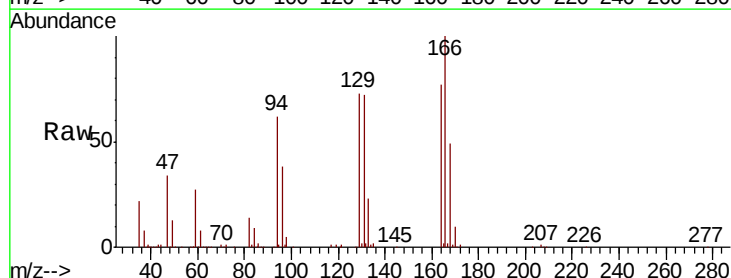
Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 55.248 ug/l
RT: 8.30 min Scan# 778
Delta R.T. 0.00 min
Lab File: VF060515.D
Acq: 26 Oct 2018 13:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.3	95.1	142.7
129	94.9	86.3	129.5
131	93.3	76.5	114.7



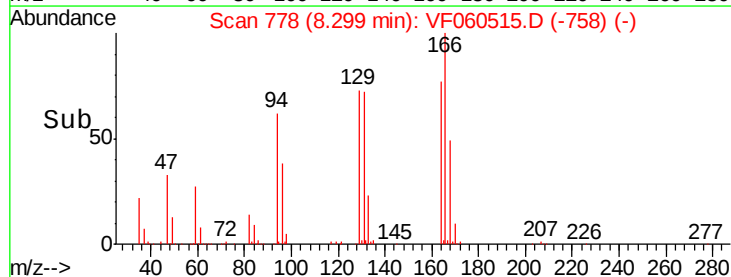
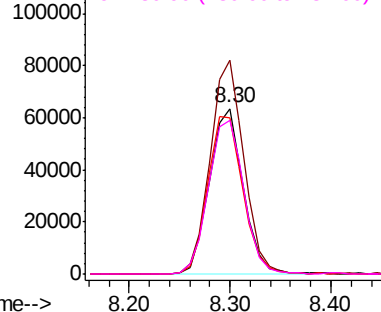
Abundance

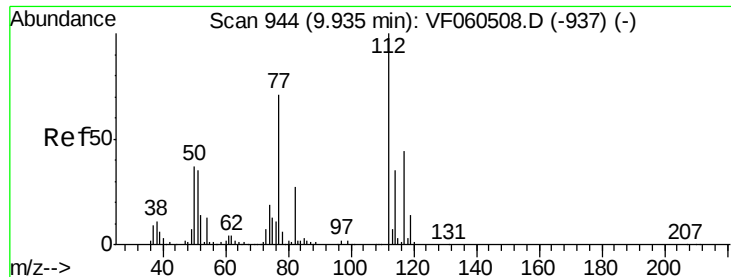
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V

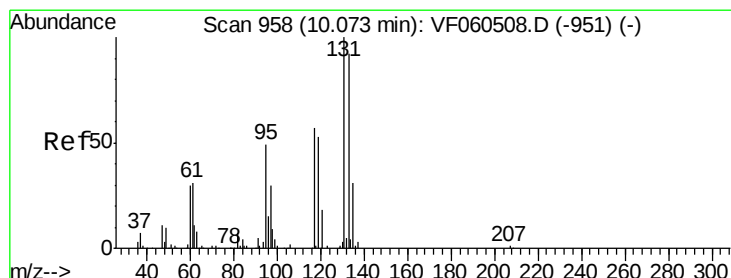
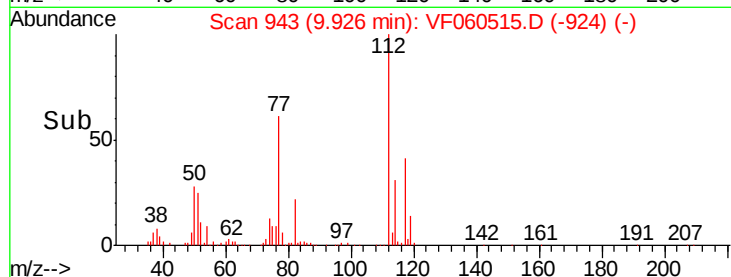
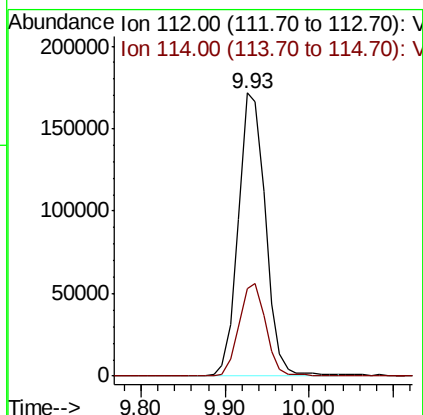
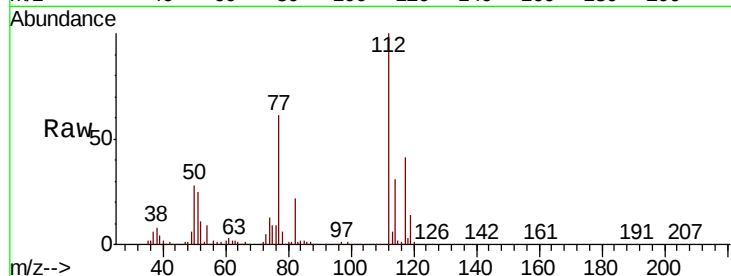




#65
Chlorobenzene
Concen: 57.918 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.01 min
Lab File: VF060515.D
Acq: 26 Oct 2018 13:03

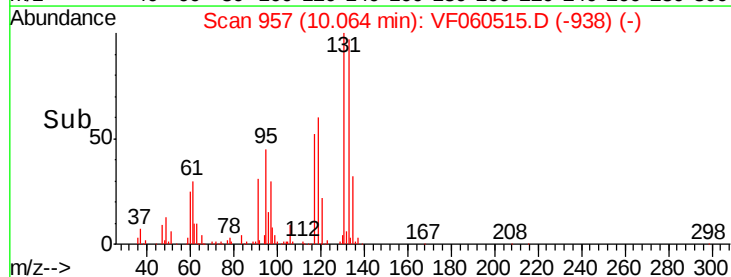
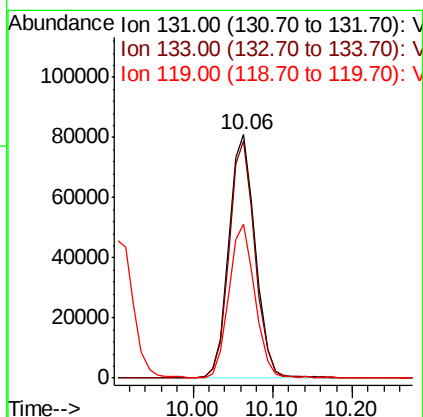
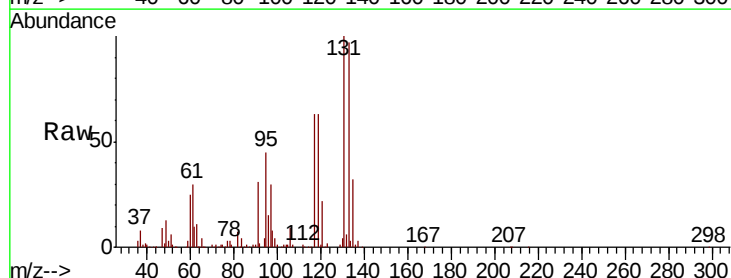
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

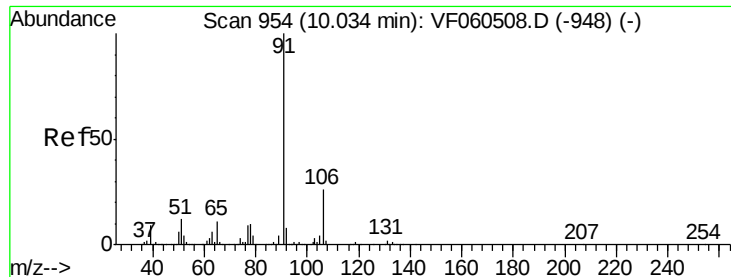
Tot Ion:112 Resp: 386909
Ion Ratio Lower Upper
112 100
114 30.8 27.7 41.5



#66
1,1,1,2-Tetrachloroethane
Concen: 54.388 ug/l
RT: 10.06 min Scan# 957
Delta R.T. -0.01 min
Lab File: VF060515.D
Acq: 26 Oct 2018 13:03

Tgt Ion:131 Resp: 188078
Ion Ratio Lower Upper
131 100
133 97.5 46.1 138.2
119 63.4 27.0 80.8

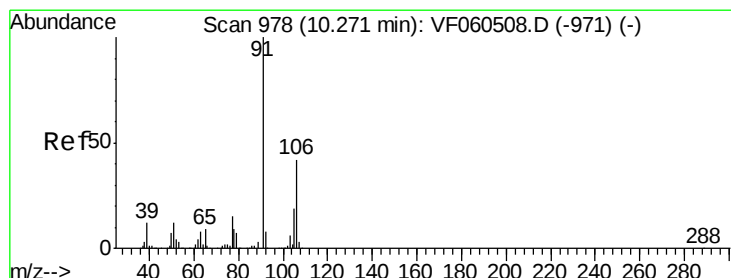
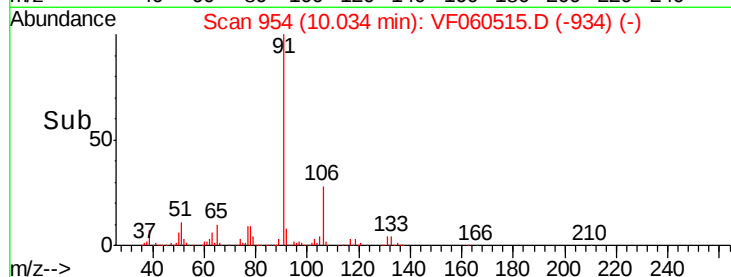
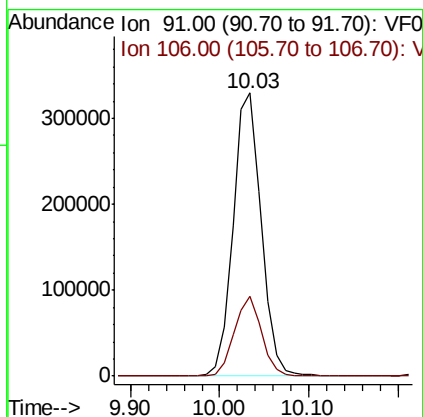
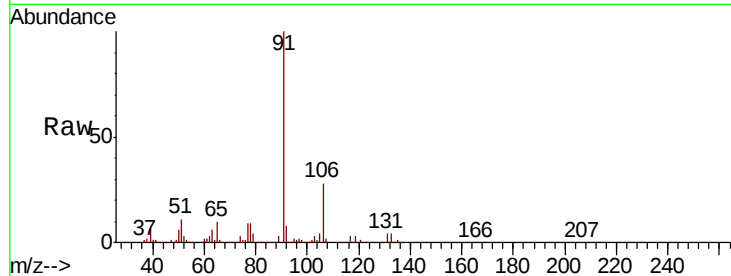




#67
Ethyl Benzene
Concen: 53.225 ug/l
RT: 10.03 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF060515.D
Acq: 26 Oct 2018 13:03

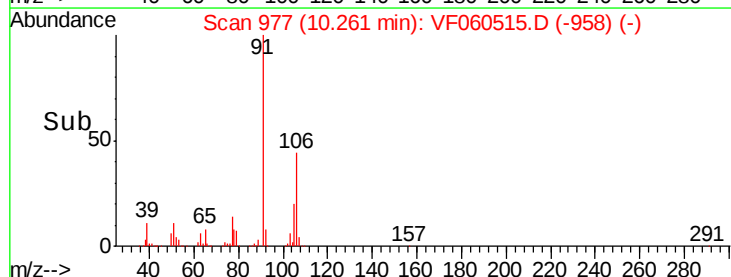
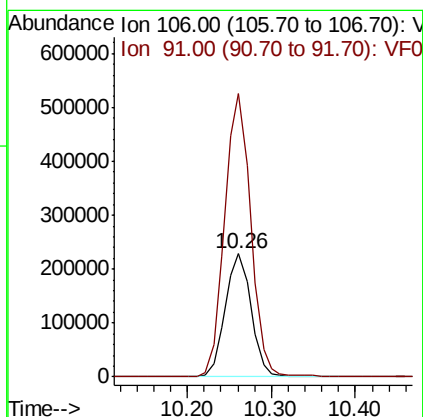
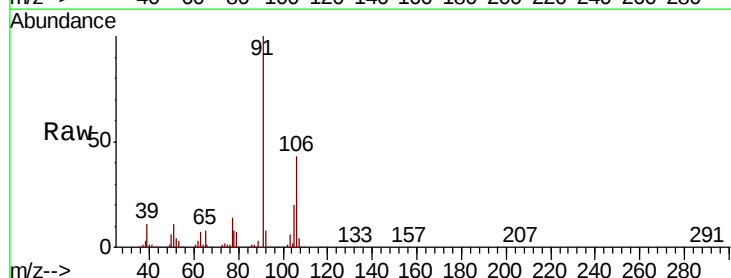
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

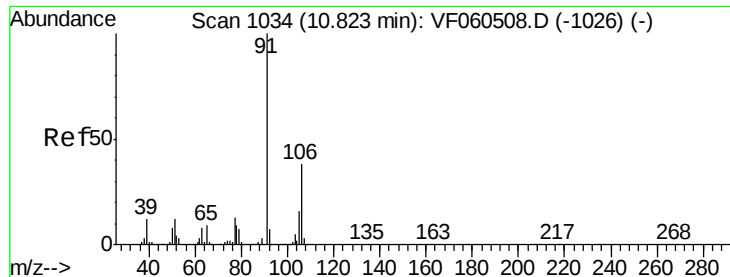
Tot Ion: 91 Resp: 726091
Ion Ratio Lower Upper
91 100
106 28.4 20.7 31.1



#68
m/p-Xylenes
Concen: 114.882 ug/l
RT: 10.26 min Scan# 977
Delta R.T. -0.01 min
Lab File: VF060515.D
Acq: 26 Oct 2018 13:03

Tgt Ion: 106 Resp: 492008
Ion Ratio Lower Upper
106 100
91 230.5 192.5 288.7

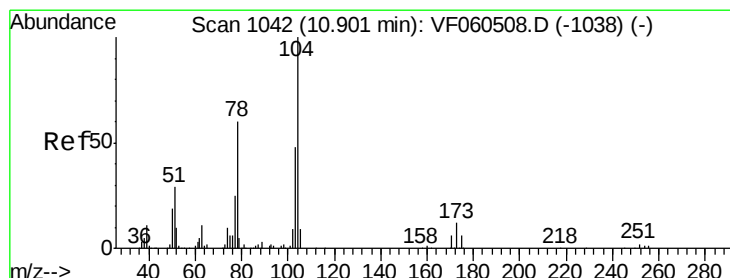
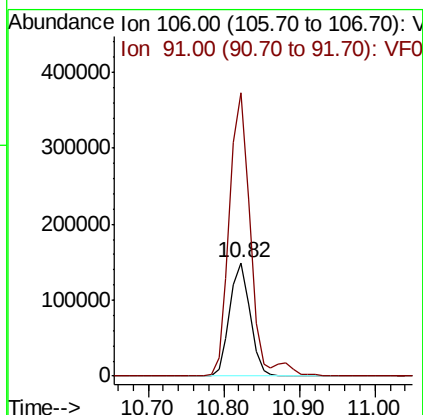
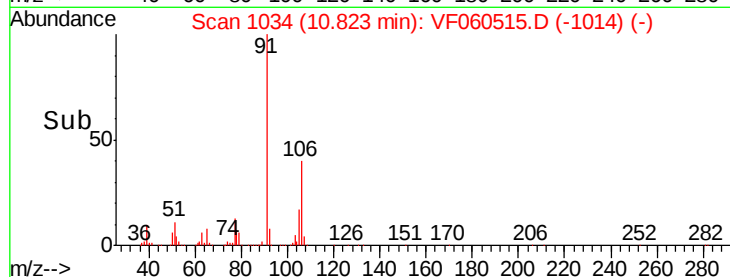
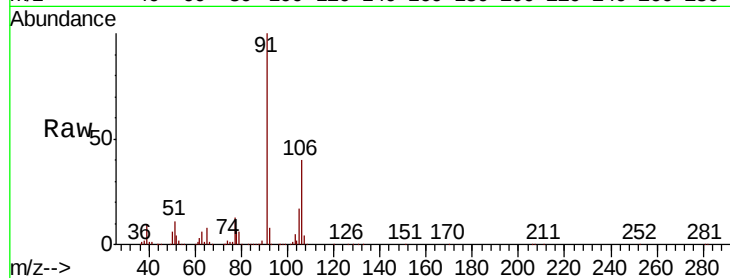




#69
o-Xylene
Concen: 58.253 ug/l
RT: 10.82 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VF060515.D
Acq: 26 Oct 2018 13:03

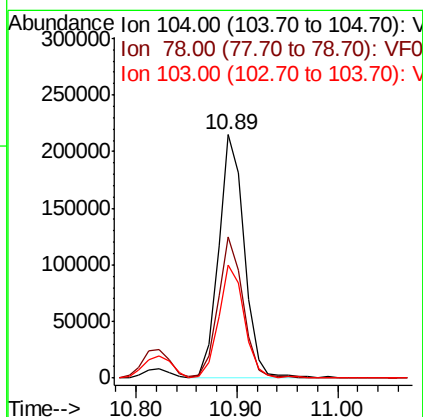
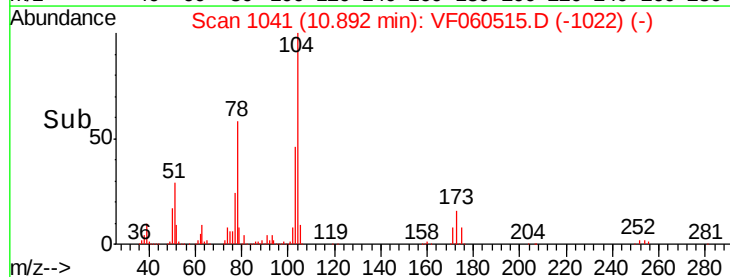
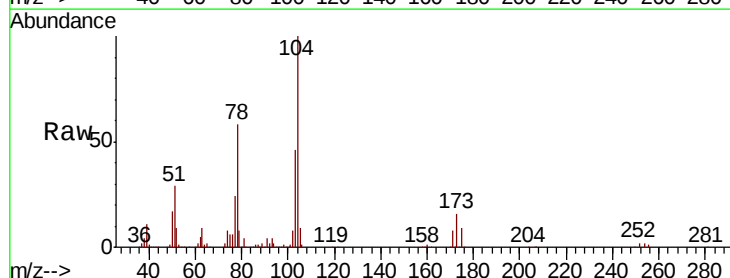
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

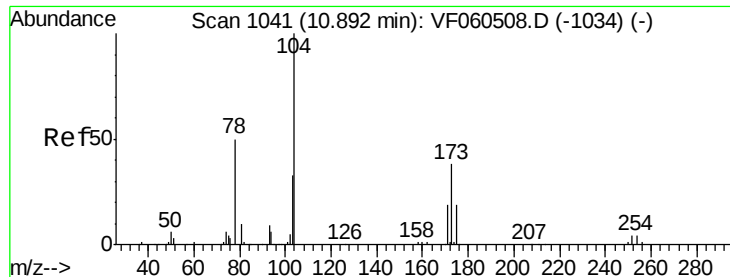
Tot Ion:106 Resp: 279853
Ion Ratio Lower Upper
106 100
91 249.1 130.9 392.7



#70
Styrene
Concen: 56.485 ug/l
RT: 10.89 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VF060515.D
Acq: 26 Oct 2018 13:03

Tgt Ion:104 Resp: 378839
Ion Ratio Lower Upper
104 100
78 57.8 48.7 73.1
103 46.2 38.8 58.2





#71

Bromoform

Concen: 51.633 ug/l

RT: 10.88 min Scan# 1040

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

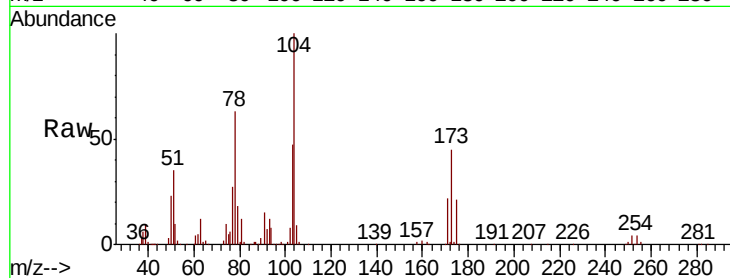
Tot Ion:173 Resp: 95004

Ion Ratio Lower Upper

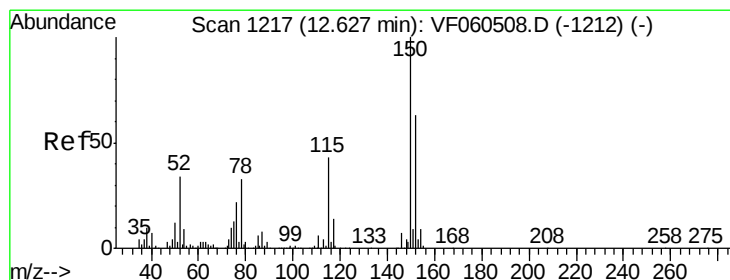
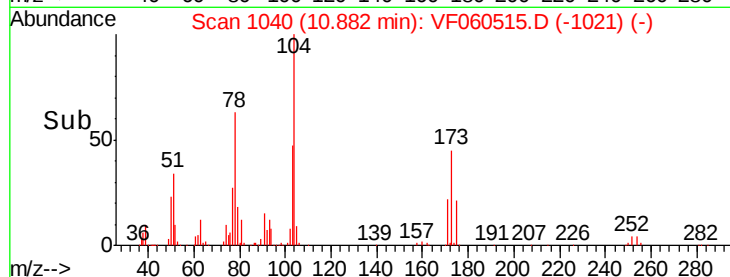
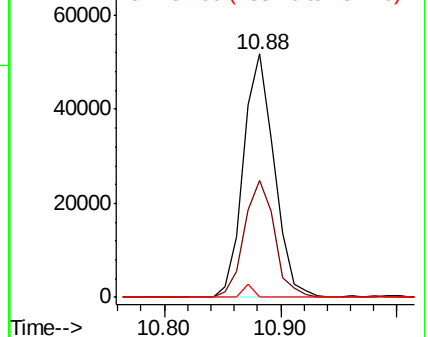
173 100

175 48.2 25.5 76.5

254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

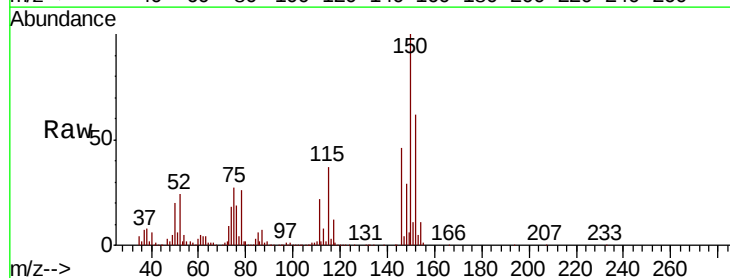
Tgt Ion:152 Resp: 184953

Ion Ratio Lower Upper

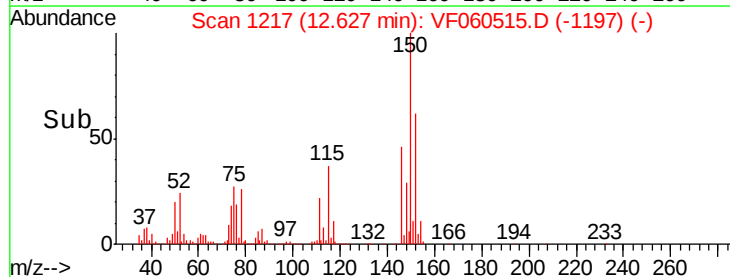
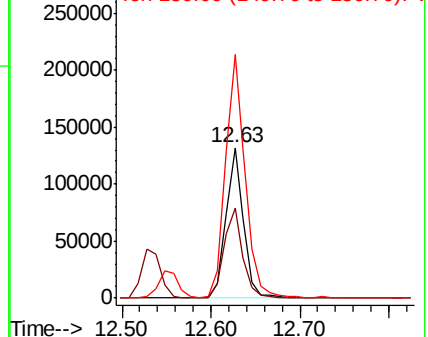
152 100

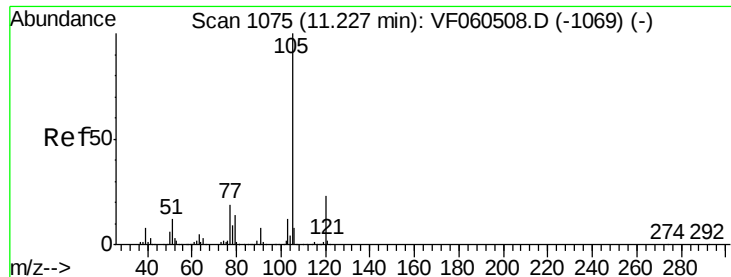
115 60.3 34.6 103.9

150 162.1 0.0 319.8



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: 60.422 ug/l

RT: 11.22 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

ClientSampleId :

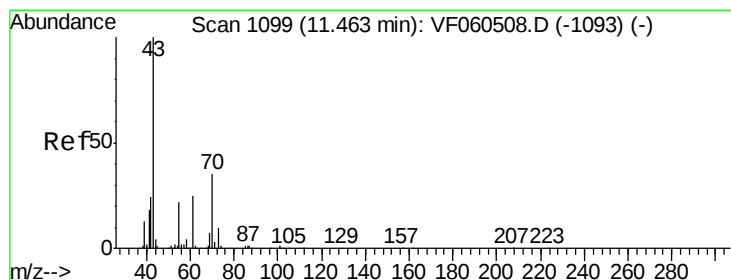
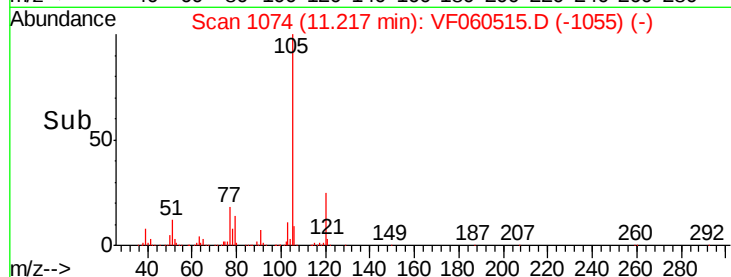
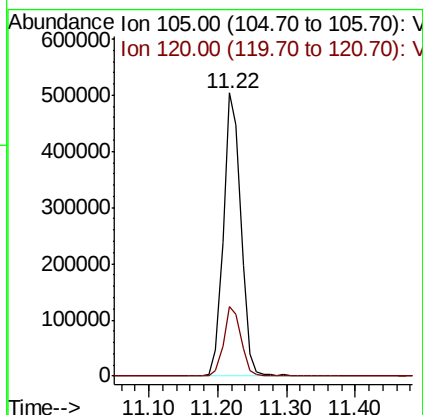
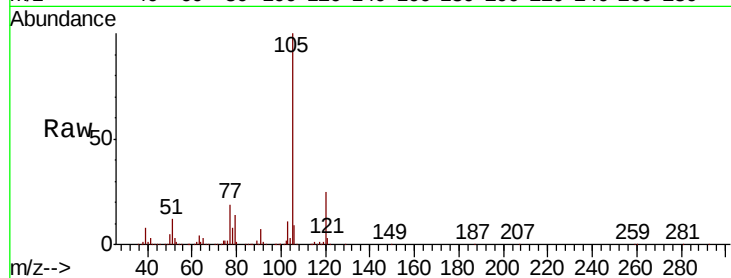
VSTDCCC050

Tot Ion:105 Resp: 887743

Ion Ratio Lower Upper

105 100

120 24.7 11.6 34.7



#74

N-ethyl acetate

Concen: 65.248 ug/l

RT: 11.45 min Scan# 1098

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Tgt Ion: 43 Resp: 170242

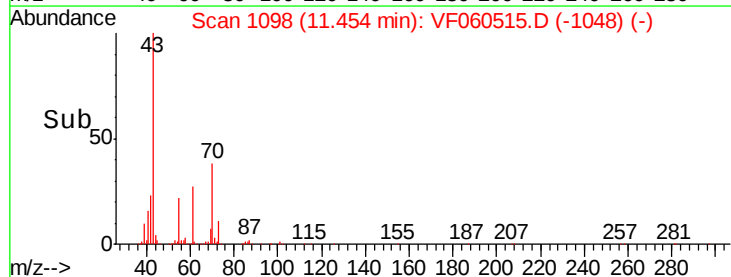
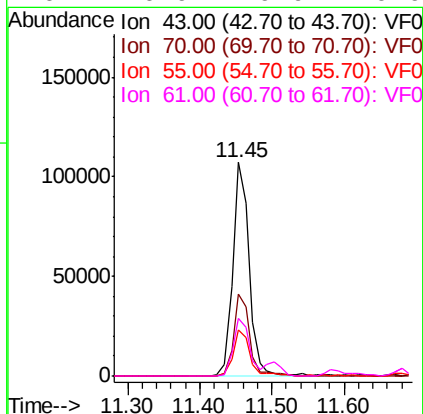
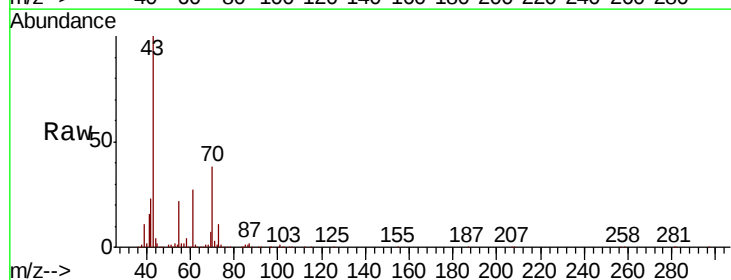
Ion Ratio Lower Upper

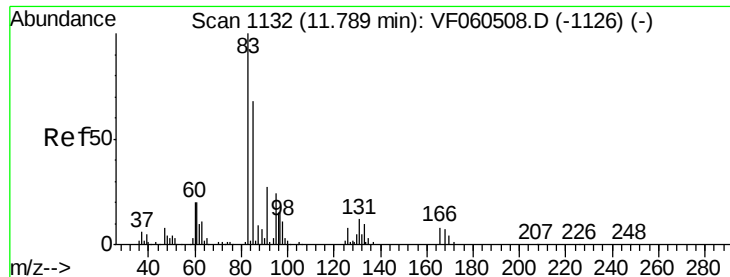
43 100

70 38.4 28.2 42.2

55 21.6 17.9 26.9

61 26.9 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 64.422 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

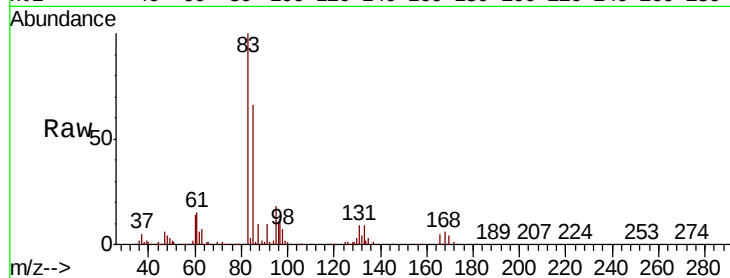
Tot Ion: 83 Resp: 136383

Ion Ratio Lower Upper

83 100

131 9.2 5.8 17.4

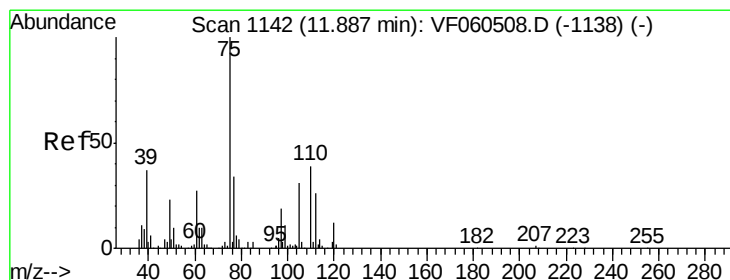
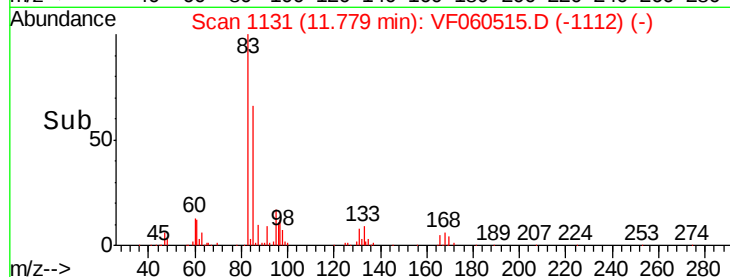
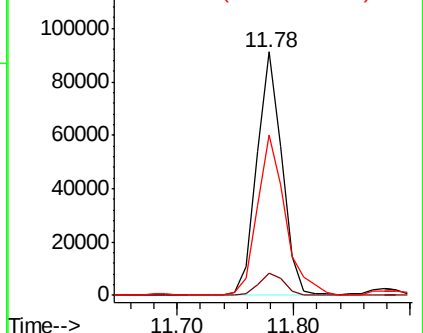
85 65.8 34.2 102.6



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 54.123 ug/l

RT: 11.88 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF060515.D

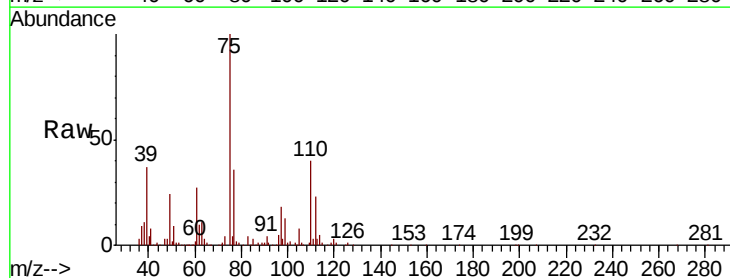
Acq: 26 Oct 2018 13:03

Tgt Ion: 75 Resp: 100039

Ion Ratio Lower Upper

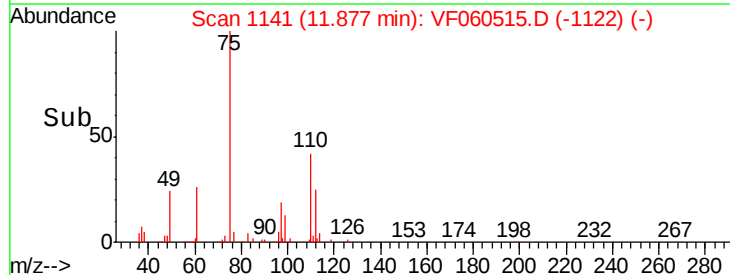
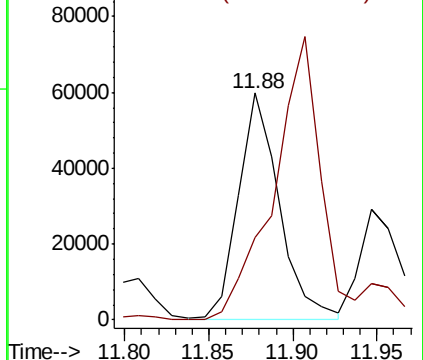
75 100

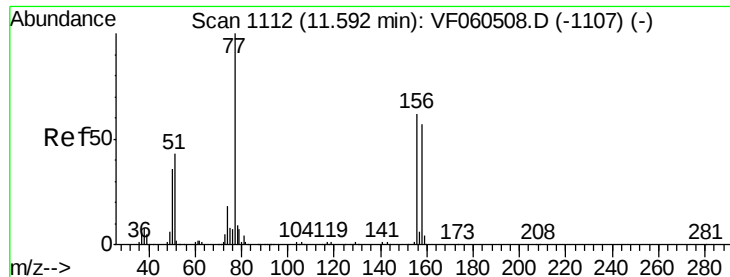
77 36.1 17.2 51.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 59.179 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

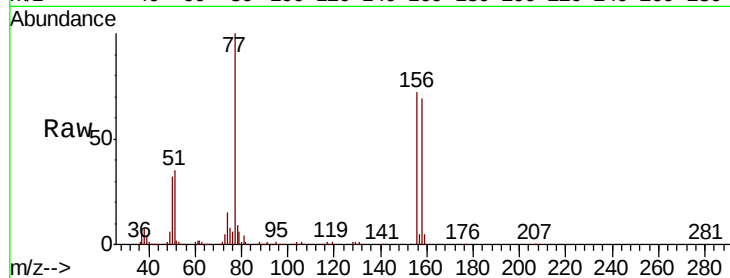
Tot Ion:156 Resp: 181274

Ion Ratio Lower Upper

156 100

77 138.0 80.1 240.3

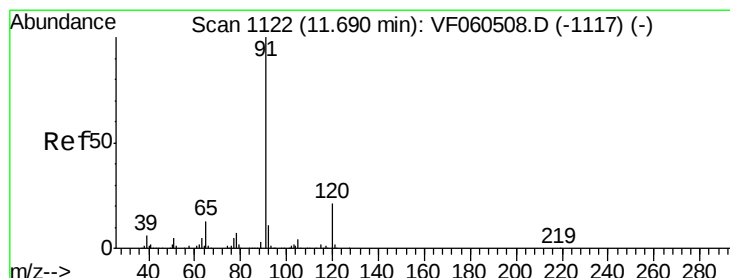
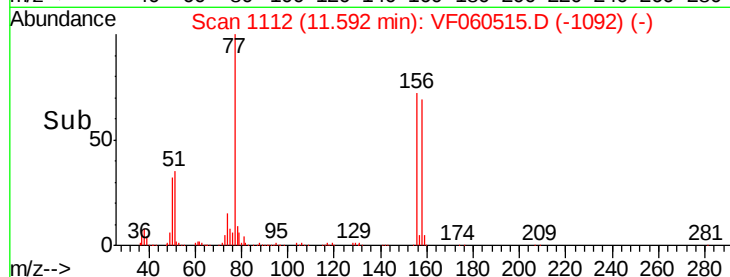
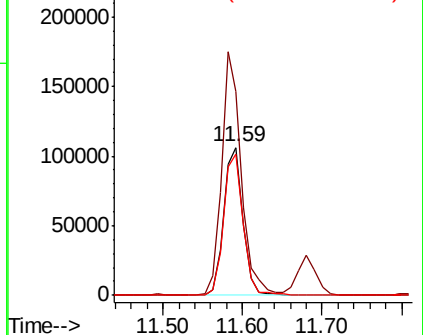
158 95.6 45.9 137.6



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: 58.218 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF060515.D

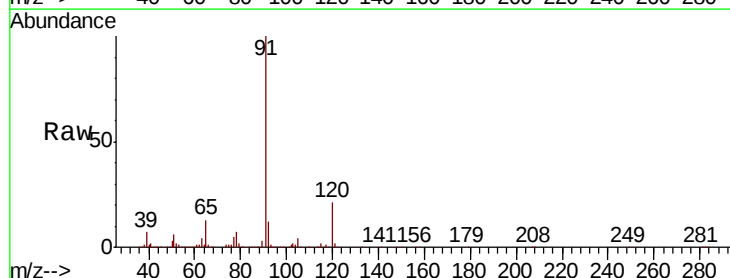
Acq: 26 Oct 2018 13:03

Tgt Ion: 91 Resp: 1000003

Ion Ratio Lower Upper

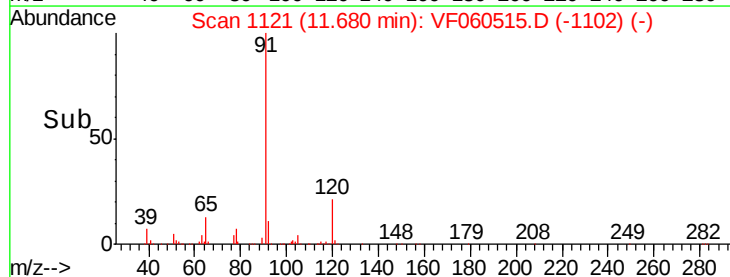
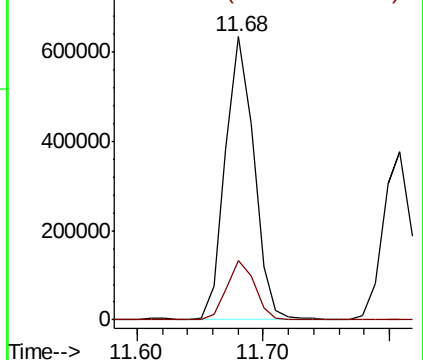
91 100

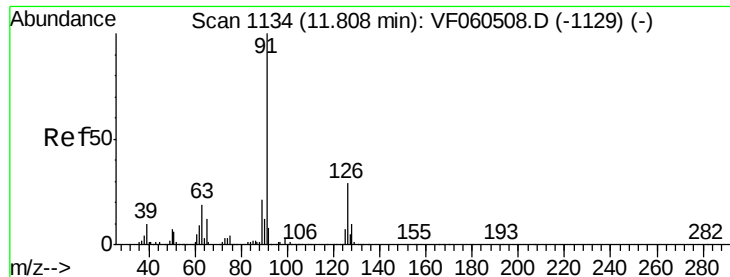
120 20.9 10.3 30.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

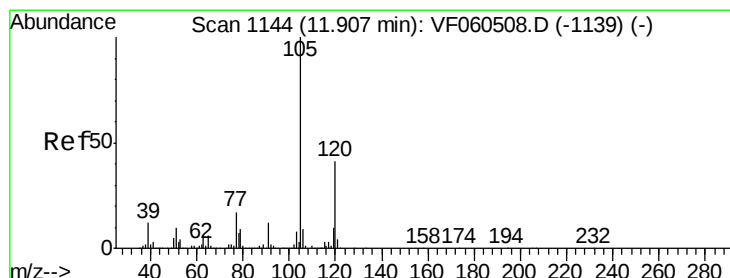
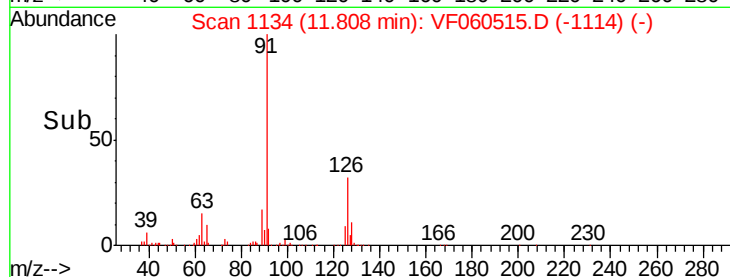
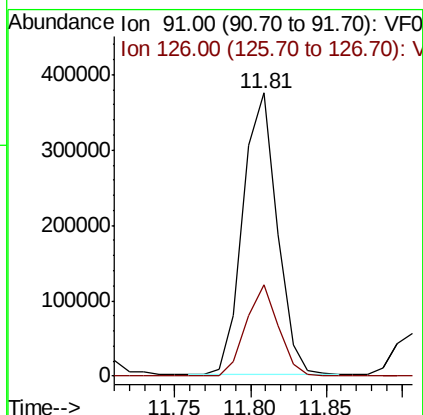
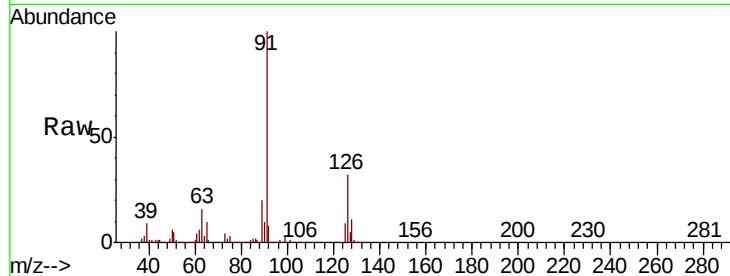




#79
 2-Chlorotoluene
 Concen: 56.737 ug/l
 RT: 11.81 min Scan# 1134
 Delta R.T. 0.00 min
 Lab File: VF060515.D
 Acq: 26 Oct 2018 13:03

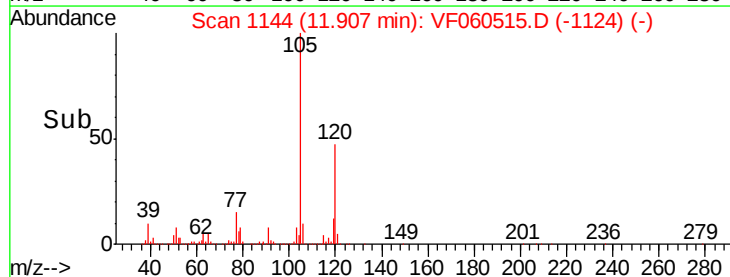
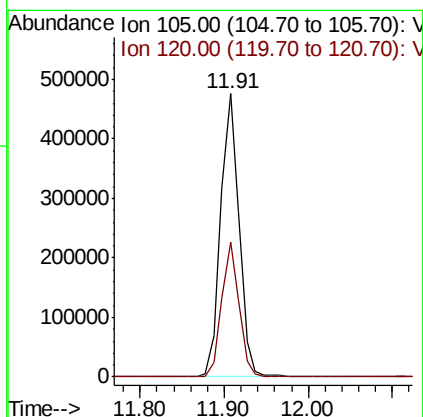
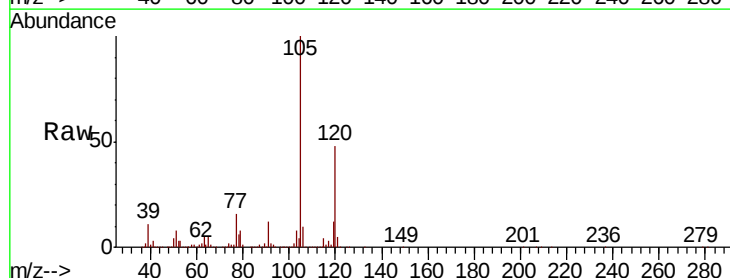
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

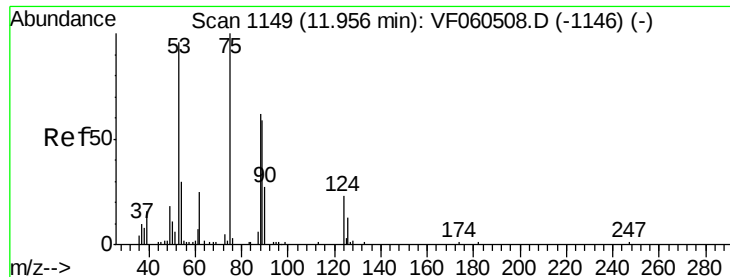
Tot Ion: 91 Resp: 590586
 Ion Ratio Lower Upper
 91 100
 126 32.2 14.4 43.2



#80
 1,3,5-Trimethylbenzene
 Concen: 56.360 ug/l
 RT: 11.91 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VF060515.D
 Acq: 26 Oct 2018 13:03

Tgt Ion: 105 Resp: 727213
 Ion Ratio Lower Upper
 105 100
 120 47.6 20.6 61.9





#81

trans-1,4-Dichloro-2-butene

Concen: 86.226 ug/l

RT: 11.95 min Scan# 1148

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

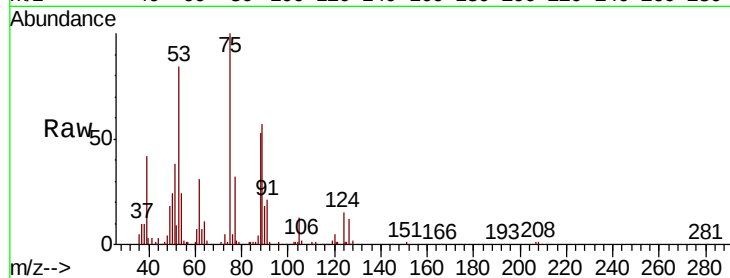
Tot Ion: 75 Resp: 67039

Ion Ratio Lower Upper

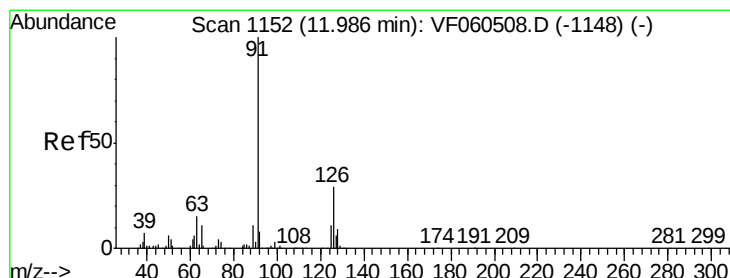
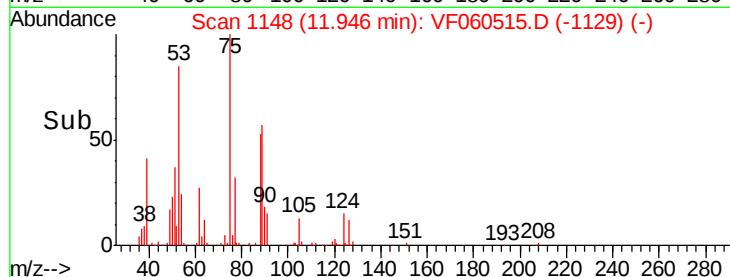
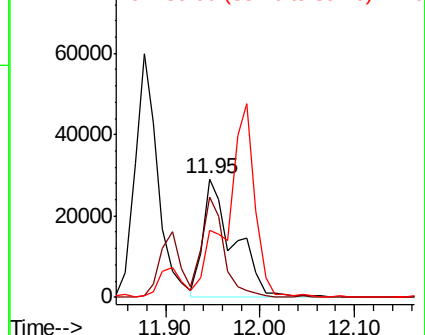
75 100

53 84.4 85.0 127.6#

89 56.6 50.2 75.4



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: 55.762 ug/l

RT: 11.99 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF060515.D

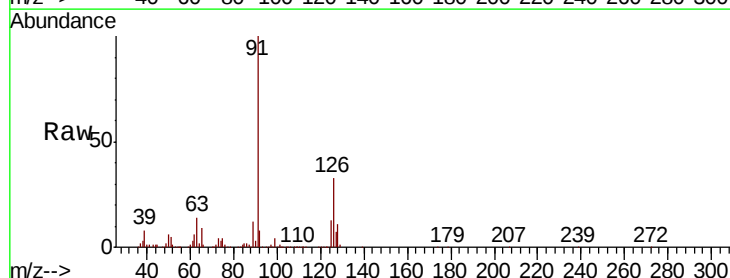
Acq: 26 Oct 2018 13:03

Tgt Ion: 91 Resp: 613273

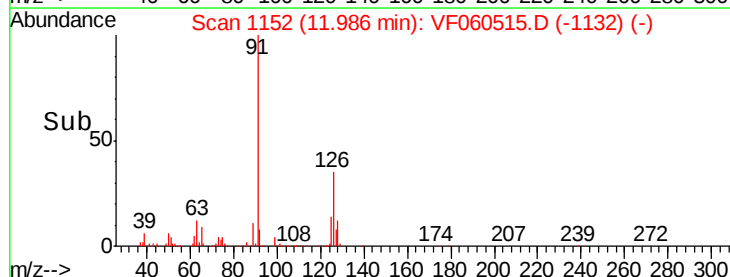
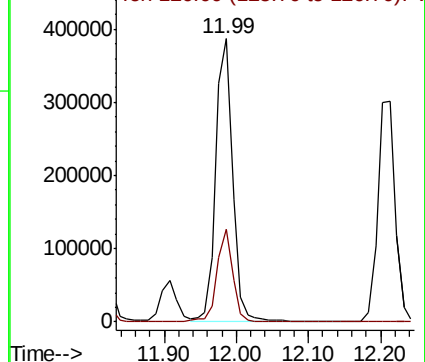
Ion Ratio Lower Upper

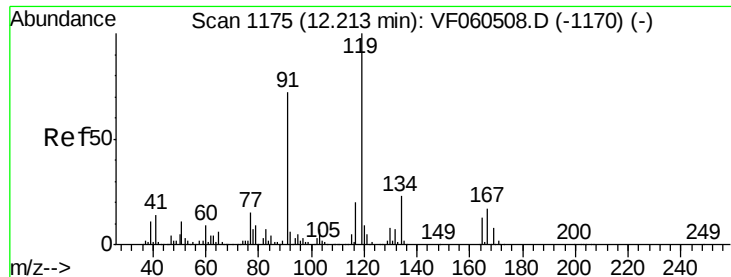
91 100

126 32.6 14.8 44.4



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 126.00 (125.70 to 126.70): V

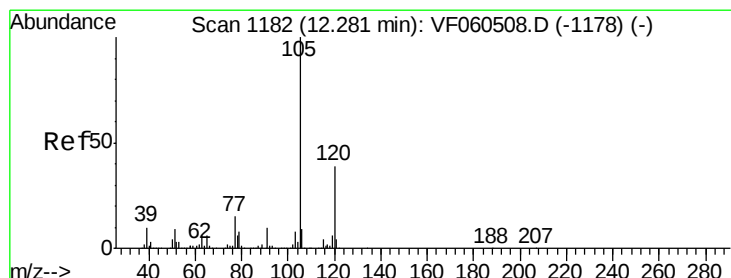
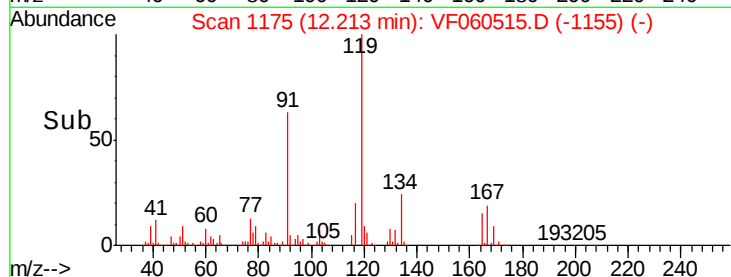
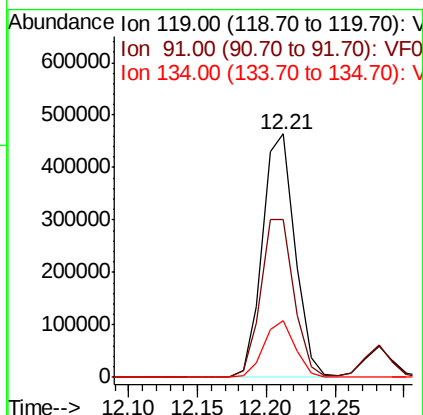
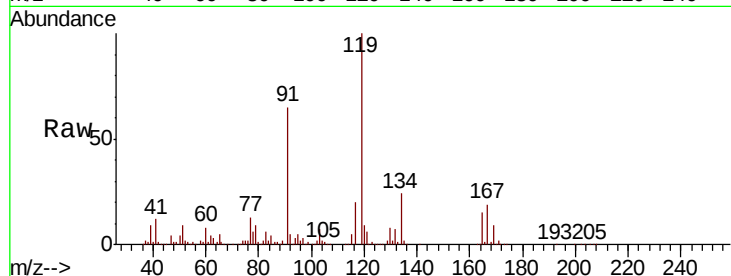




#83
tert-Butylbenzene
Concen: 58.967 ug/l
RT: 12.21 min Scan# 1175
Delta R.T. 0.00 min
Lab File: VF060515.D
Acq: 26 Oct 2018 13:03

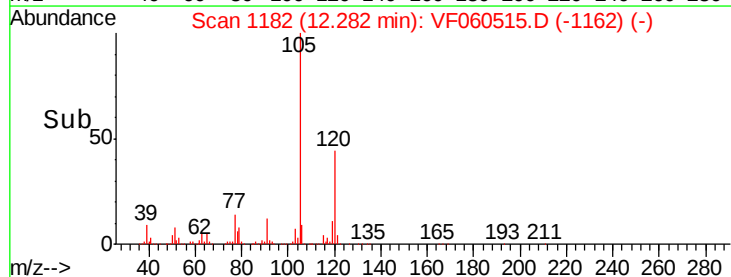
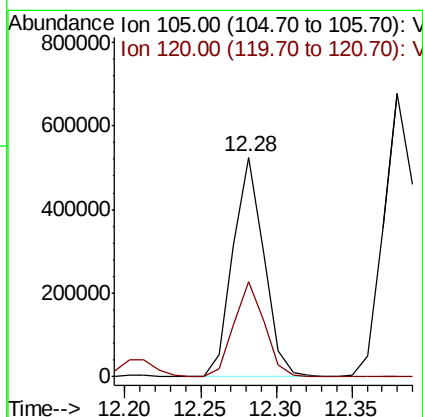
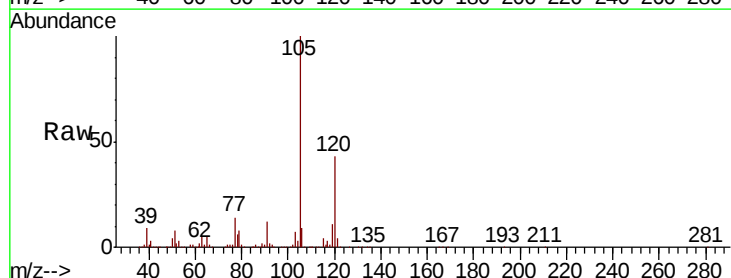
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

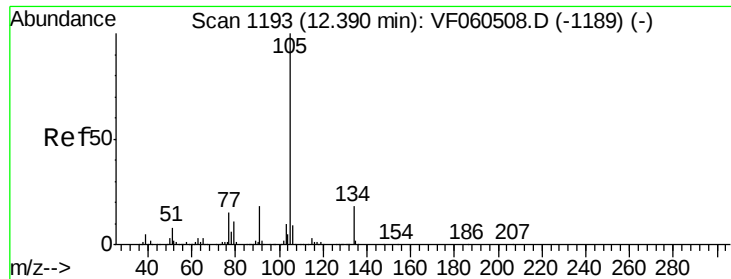
Tot Ion:119 Resp: 768555
Ion Ratio Lower Upper
119 100
91 64.9 36.3 108.9
134 23.5 11.4 34.2



#84
1,2,4-Trimethylbenzene
Concen: 58.372 ug/l
RT: 12.28 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VF060515.D
Acq: 26 Oct 2018 13:03

Tgt Ion:105 Resp: 746596
Ion Ratio Lower Upper
105 100
120 43.5 19.4 58.1

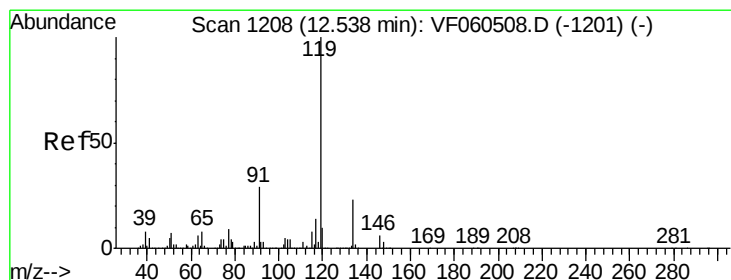
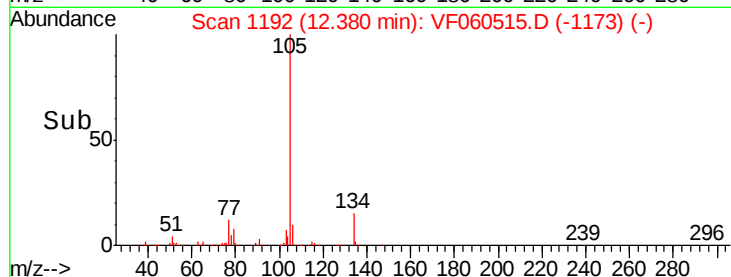
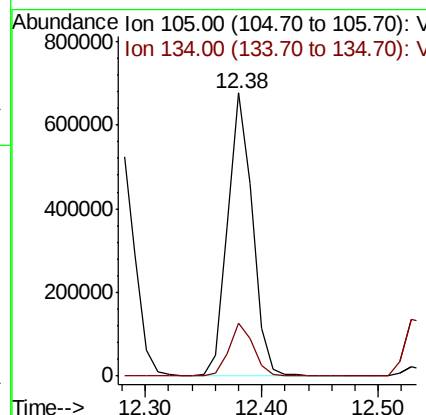
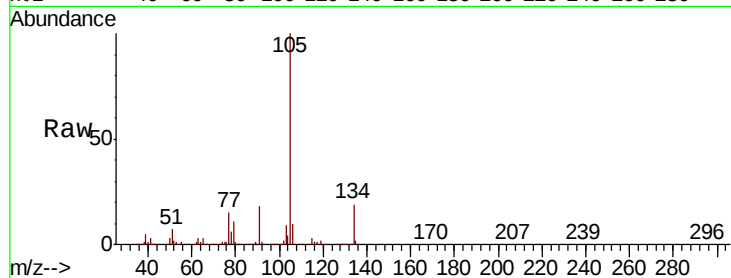




#85
 sec-Butylbenzene
 Concen: 56.821 ug/l
 RT: 12.38 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF060515.D
 Acq: 26 Oct 2018 13:03

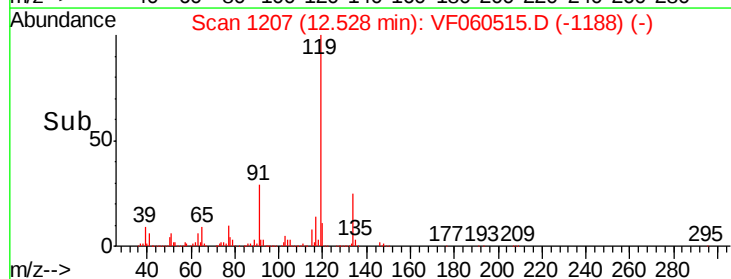
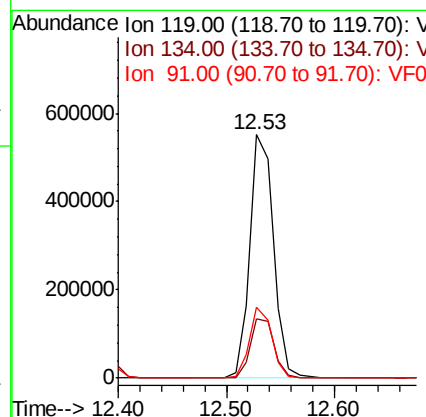
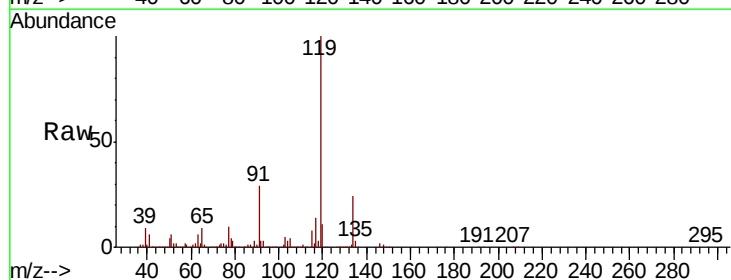
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

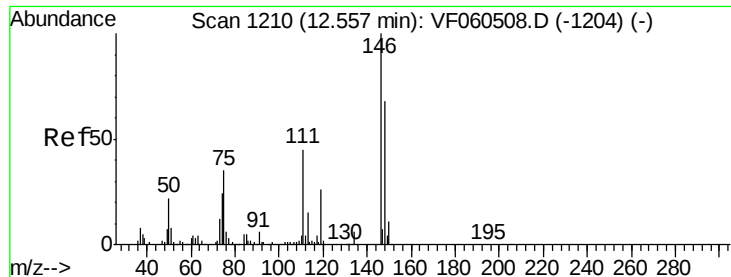
Tot Ion:105 Resp: 993914
 Ion Ratio Lower Upper
 105 100
 134 18.8 9.2 27.4



#86
 p-Isopropyltoluene
 Concen: 56.301 ug/l
 RT: 12.53 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: VF060515.D
 Acq: 26 Oct 2018 13:03

Tgt Ion:119 Resp: 836680
 Ion Ratio Lower Upper
 119 100
 134 24.5 11.7 35.0
 91 29.0 14.4 43.4

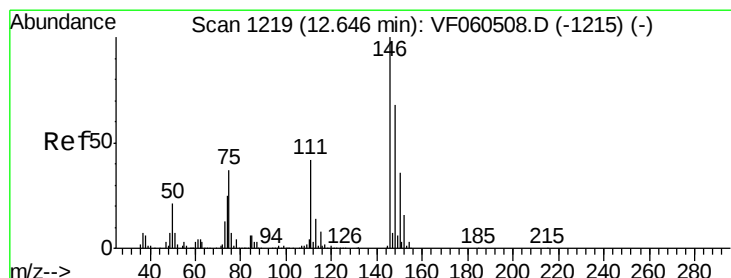
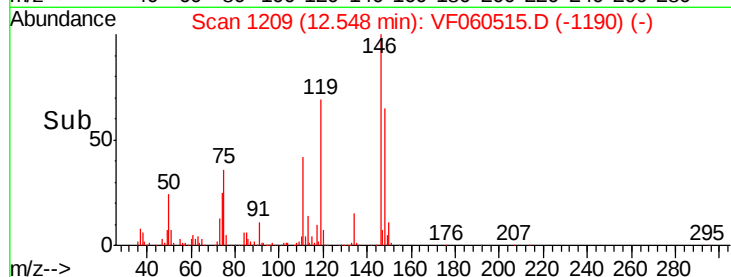
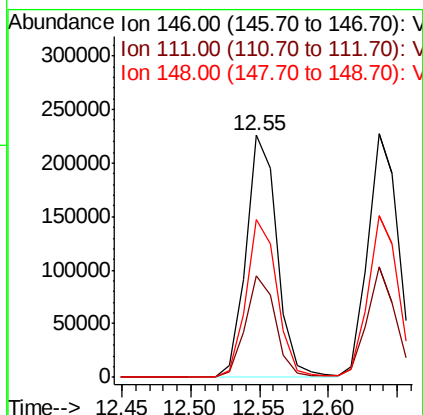
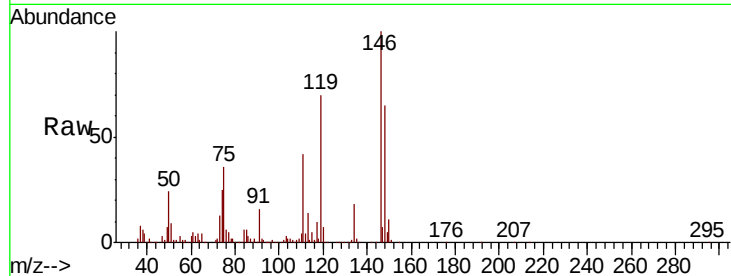




#87
 1,3-Dichlorobenzene
 Concen: 57.383 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF060515.D
 Acq: 26 Oct 2018 13:03

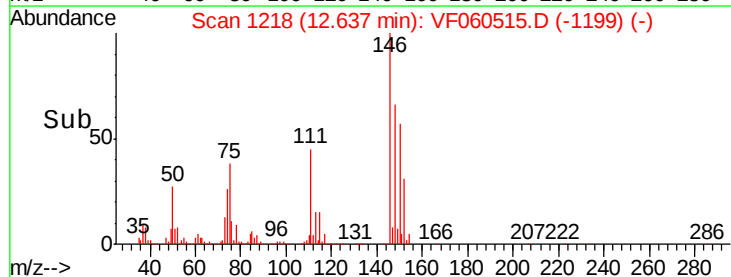
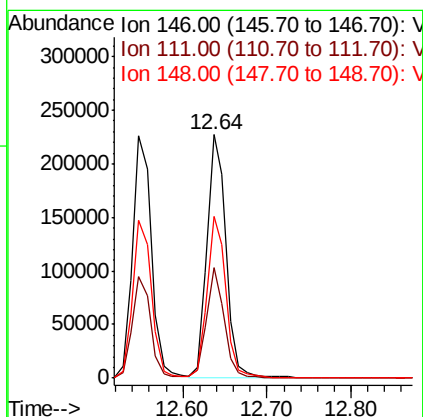
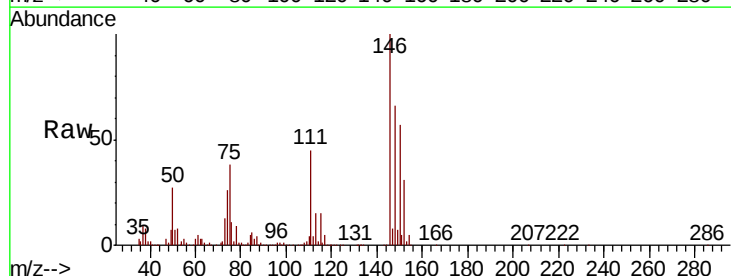
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

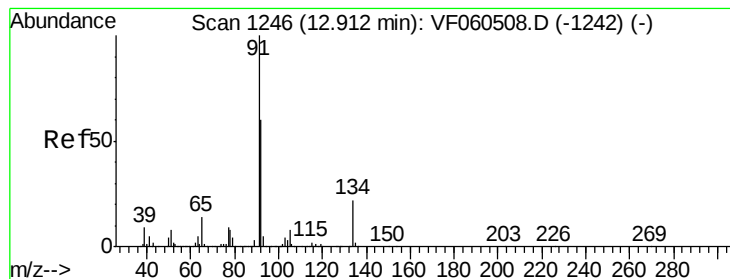
Tot Ion:146 Resp: 357261
 Ion Ratio Lower Upper
 146 100
 111 41.9 22.3 66.8
 148 65.3 34.1 102.3



#88
 1,4-Dichlorobenzene
 Concen: 59.023 ug/l
 RT: 12.64 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF060515.D
 Acq: 26 Oct 2018 13:03

Tgt Ion:146 Resp: 355964
 Ion Ratio Lower Upper
 146 100
 111 45.1 21.1 63.3
 148 66.2 33.9 101.7

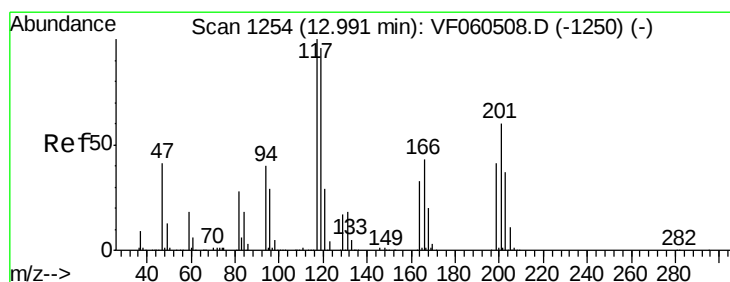
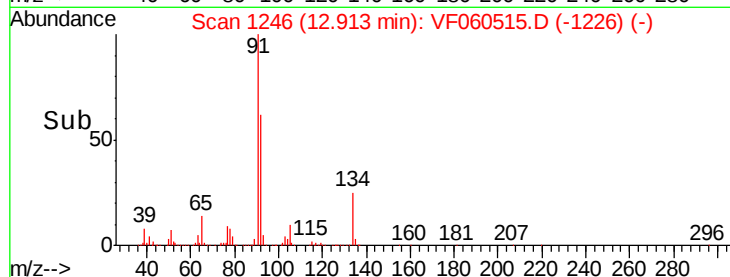
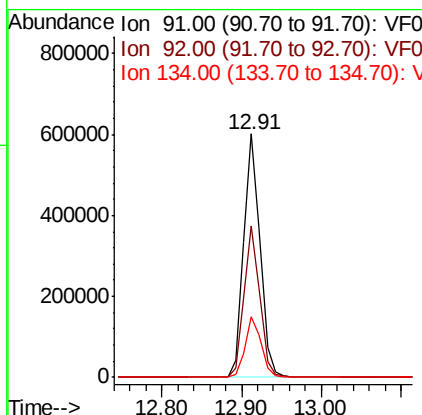
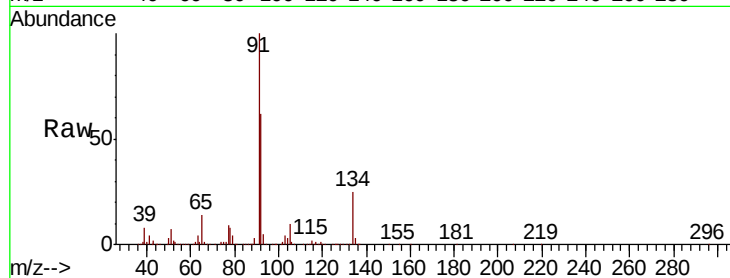




#89
n-Butylbenzene
Concen: 54.385 ug/l
RT: 12.91 min Scan# 1246
Delta R.T. 0.00 min
Lab File: VF060515.D
Acq: 26 Oct 2018 13:03

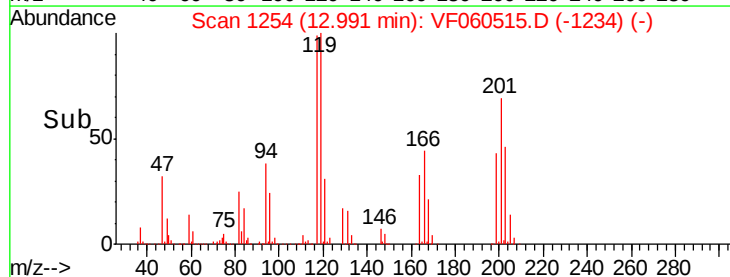
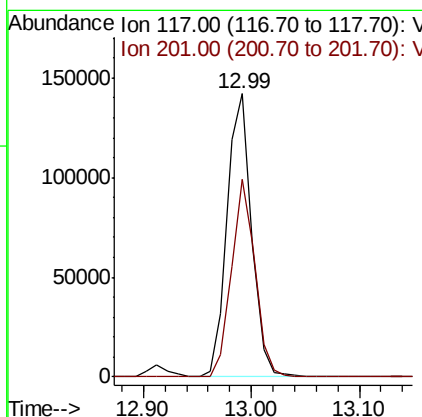
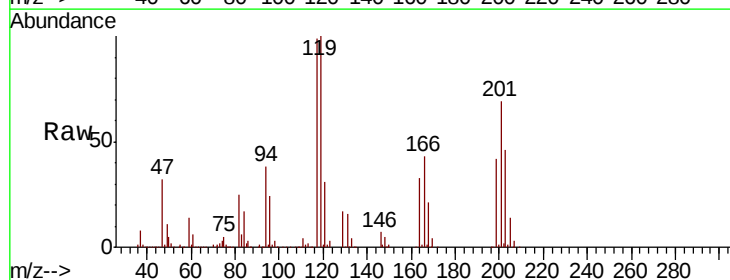
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

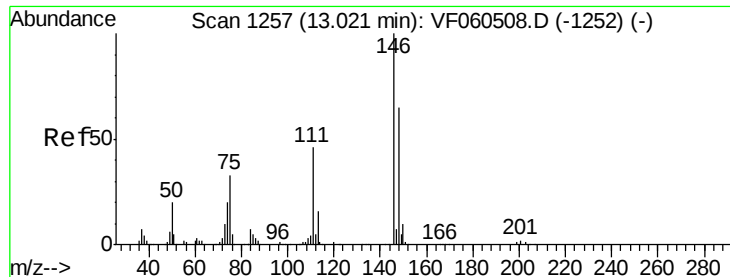
Tot Ion	Ratio	Lower	Upper
91	100		
92	62.3	29.8	89.3
134	24.9	10.9	32.7



#90
Hexachloroethane
Concen: 57.564 ug/l
RT: 12.99 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VF060515.D
Acq: 26 Oct 2018 13:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.6	30.1	90.5





#91

1,2-Dichlorobenzene

Concen: 56.561 ug/l

RT: 13.01 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

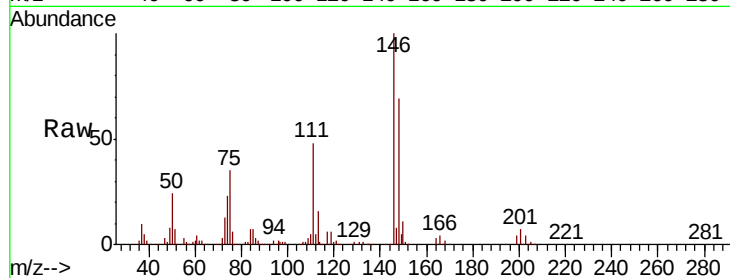
Tot Ion:146 Resp: 337746

Ion Ratio Lower Upper

146 100

111 47.9 22.8 68.4

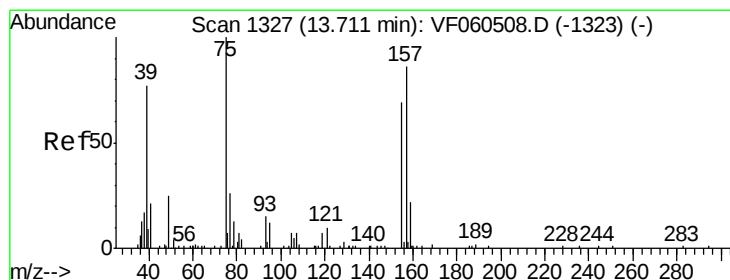
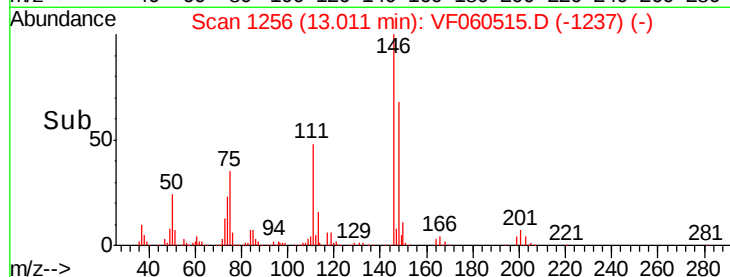
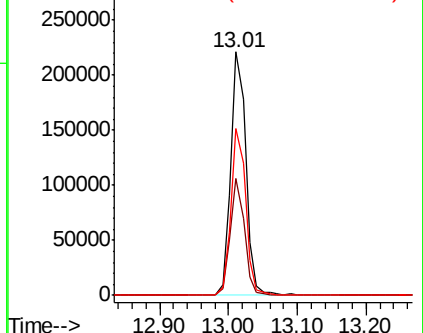
148 68.6 32.3 96.9



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: 59.879 ug/l

RT: 13.71 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

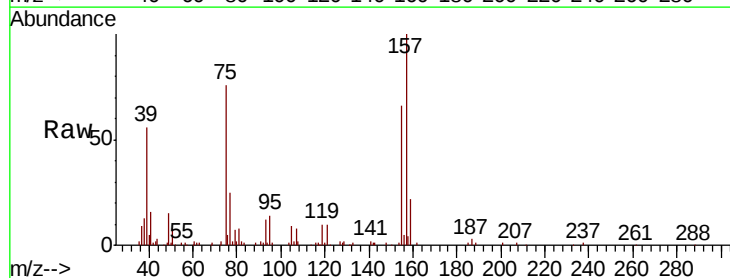
Tgt Ion: 75 Resp: 32315

Ion Ratio Lower Upper

75 100

155 87.0 34.7 104.1

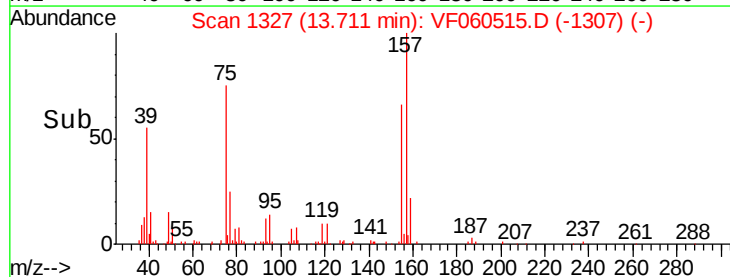
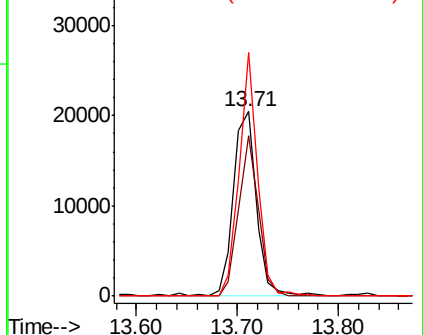
157 131.9 42.9 128.5#

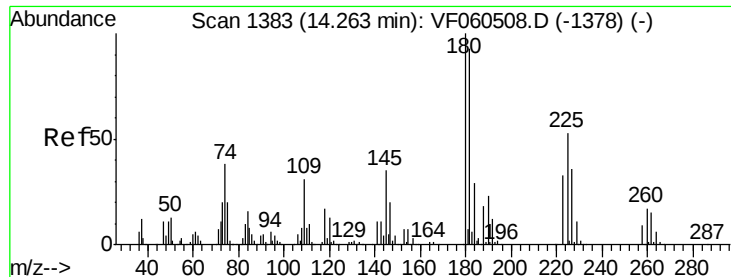


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

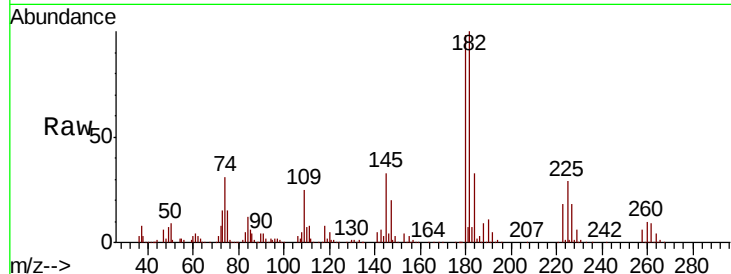




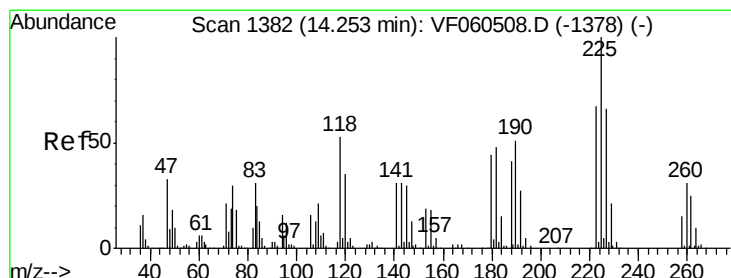
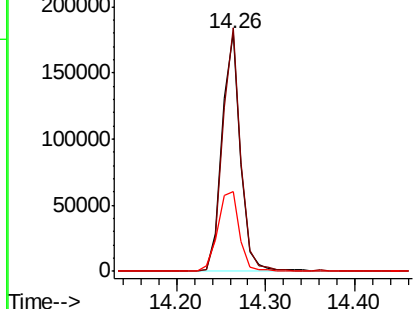
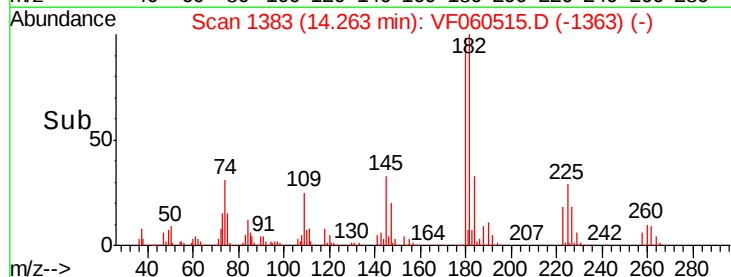
#93
 1,2,4-Trichlorobenzene
 Concen: 54.655 ug/l
 RT: 14.26 min Scan# 1383
 Delta R.T. 0.00 min
 Lab File: VF060515.D
 Acq: 26 Oct 2018 13:03

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	102.3	46.7	140.0
145	33.4	17.3	52.0

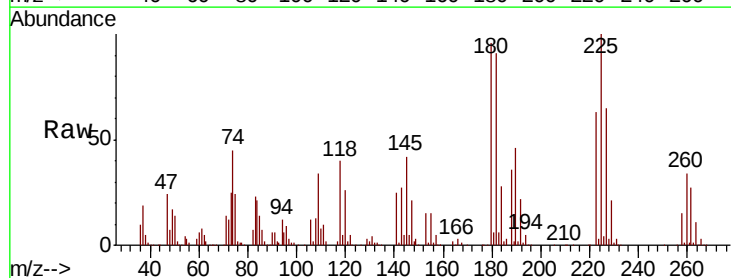


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

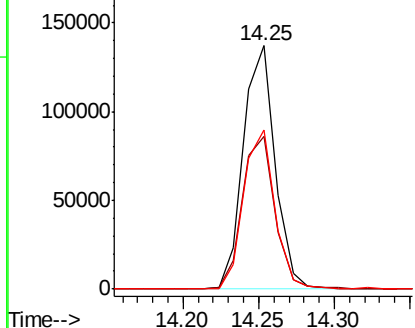
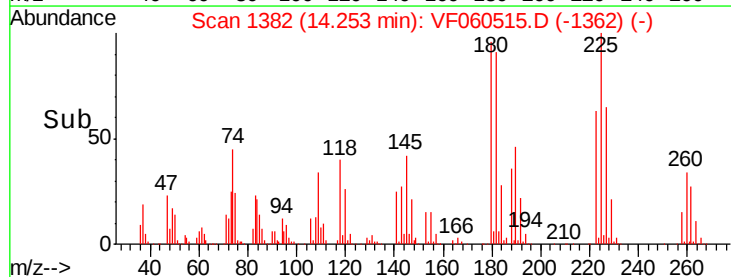


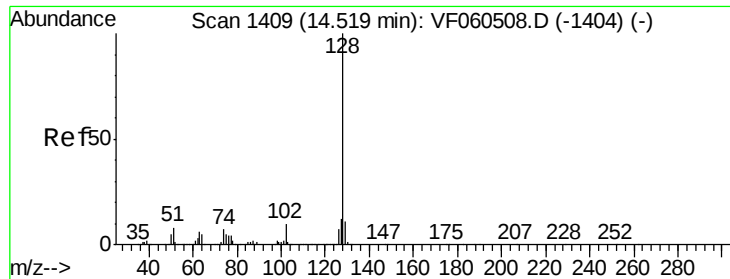
#94
 Hexachlorobutadiene
 Concen: 55.066 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. 0.00 min
 Lab File: VF060515.D
 Acq: 26 Oct 2018 13:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	33.4	100.2
227	65.3	32.9	98.6



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 63.430 ug/l

RT: 14.52 min Scan# 1409

Delta R.T. 0.00 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

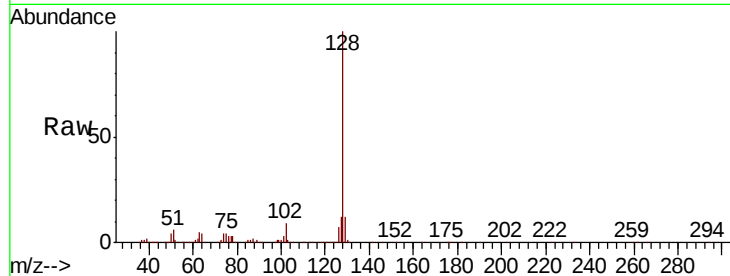
Tot Ion:128 Resp: 486428

Ion Ratio Lower Upper

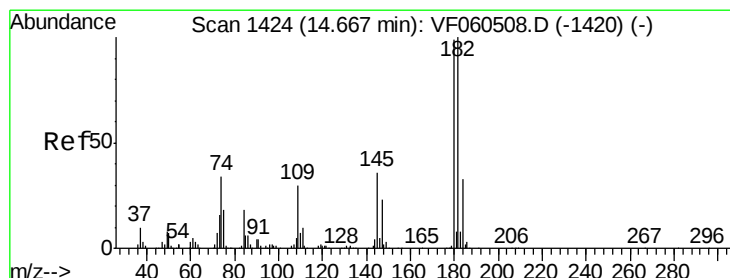
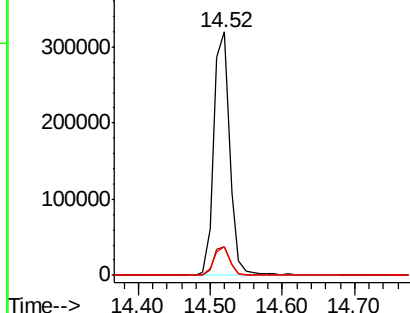
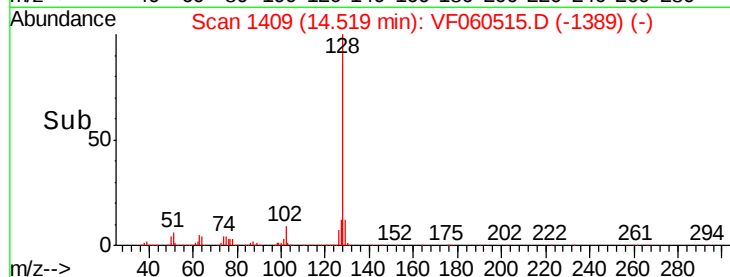
128 100

127 11.7 10.0 15.0

129 11.5 8.9 13.3



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: 58.106 ug/l

RT: 14.66 min Scan# 1423

Delta R.T. -0.01 min

Lab File: VF060515.D

Acq: 26 Oct 2018 13:03

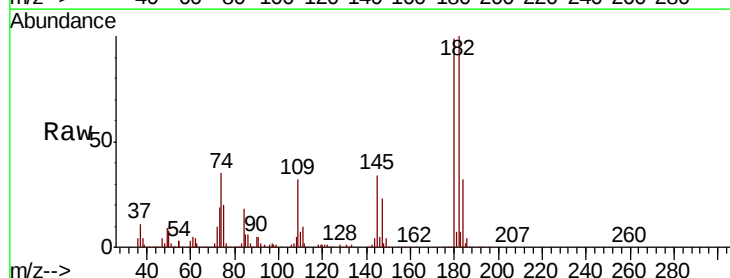
Tgt Ion:180 Resp: 259864

Ion Ratio Lower Upper

180 100

182 101.2 50.7 152.1

145 34.3 18.1 54.4



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

