

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF121218\
 Data File : VF060996.D
 Acq On : 12 Dec 2018 15:08
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Dec 13 01:20:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	176362	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.59	114	296353	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.77	117	277916	50.00	ug/l	-0.04
72) 1,4-Dichlorobenzene-d4	12.55	152	137439	50.00	ug/l	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	115483	55.58	ug/l	-0.04
Spiked Amount			Recovery	=	111.16%	
35) Dibromofluoromethane	4.11	113	120584	51.29	ug/l	-0.04
Spiked Amount			Recovery	=	102.58%	
50) Toluene-d8	7.54	98	348712	50.35	ug/l	-0.05
Spiked Amount			Recovery	=	100.70%	
62) 4-Bromofluorobenzene	11.41	95	160454	50.98	ug/l	-0.03
Spiked Amount			Recovery	=	101.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.97	85	116138	44.042	ug/l	100
3) Chloromethane	1.09	50	78558	45.782	ug/l	97
4) Vinyl Chloride	1.13	62	77452	48.390	ug/l	99
5) Bromomethane	1.32	94	54020	47.864	ug/l	93
6) Chloroethane	1.38	64	34011	49.158	ug/l	94
7) Trichlorofluoromethane	1.49	101	123227	35.883	ug/l	90
8) Diethyl Ether	1.63	74	24403	49.416	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.82	101	91515	52.712	ug/l	94
10) Methyl Iodide	1.89	142	103749	39.315	ug/l	95
11) Tert butyl alcohol	2.57	59	24182	283.939	ug/l #	92
12) 1,1-Dichloroethene	1.78	96	64845	46.436	ug/l	90
13) Acrolein	2.00	56	20767	257.361	ug/l	93
14) Allyl chloride	2.09	41	85203	48.952	ug/l	98
15) Acrylonitrile	2.95	53	51259	268.463	ug/l	91
16) Acetone	2.24	43	114764	299.549	ug/l	96
17) Carbon Disulfide	1.84	76	116516	31.119	ug/l	97
18) Methyl Acetate	2.35	43	38308	59.927	ug/l	99
19) Methyl tert-butyl Ether	2.43	73	154747	49.201	ug/l	96
20) Methylene Chloride	2.25	84	41866	29.787	ug/l	90
21) trans-1,2-Dichloroethene	2.31	96	67434	50.089	ug/l	98
22) Diisopropyl ether	2.80	45	256949	54.234	ug/l	98
23) Vinyl Acetate	3.18	43	610552	281.923	ug/l	97
24) 1,1-Dichloroethane	2.87	63	149338	52.980	ug/l	97
25) 2-Butanone	4.33	43	180522	272.417	ug/l	99
26) 2,2-Dichloropropane	3.59	77	96922	53.037	ug/l	98
27) cis-1,2-Dichloroethene	3.47	96	112296	51.235	ug/l	98
28) Bromochloromethane	3.72	49	65686	48.556	ug/l	99
29) Tetrahydrofuran	4.07	42	72591	258.428	ug/l	95
30) Chloroform	3.86	83	231534	53.370	ug/l	99
31) Cyclohexane	3.69	56	141670	48.428	ug/l	97
32) 1,1,1-Trichloroethane	4.09	97	163812	54.446	ug/l	95
36) 1,1-Dichloropropene	4.28	75	157684	47.971	ug/l	98
37) Ethyl Acetate	4.11	43	63302	47.390	ug/l #	93
38) Carbon Tetrachloride	3.98	117	138419	47.677	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	156572	45.452	ug/l	97
40) Benzene	4.62	78	340597	46.903	ug/l	98
41) Methacrylonitrile	4.74	41	37537	54.636	ug/l	92
42) 1,2-Dichloroethane	4.94	62	130892	49.372	ug/l	97
43) Isopropyl Acetate	6.95	43	83898	50.958	ug/l #	98
44) Trichloroethene	5.50	130	113706	47.889	ug/l	94
45) 1,2-Dichloropropane	6.23	63	96093	50.951	ug/l	97
46) Dibromomethane	6.08	93	64887	50.718	ug/l	94
47) Bromodichloromethane	6.38	83	178504	52.532	ug/l	98
48) Methyl methacrylate	6.72	41	61380	50.765	ug/l	95
49) 1,4-Dioxane	6.70	88	7286	823.364	ug/l	90
51) 4-Methyl-2-Pentanone	8.25	43	305366	247.904	ug/l	99
52) Toluene	7.62	92	239266	46.908	ug/l	99
53) t-1,3-Dichloropropene	8.27	75	139858	50.600	ug/l	96
54) cis-1,3-Dichloropropene	7.30	75	168369	49.205	ug/l	93
55) 1,1,2-Trichloroethane	8.49	97	73842	49.682	ug/l	98
56) Ethyl methacrylate	8.62	69	82495	49.964	ug/l	95
57) 1,3-Dichloropropane	8.85	76	133150	51.205	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.29	63	71655	424.289	ug/l	96
59) 2-Hexanone	9.49	43	215641	249.533	ug/l	96
60) Dibromochloromethane	8.72	129	111012	50.129	ug/l	96
61) 1,2-Dibromoethane	8.98	107	78993	49.198	ug/l	98
64) Tetrachloroethene	8.15	164	94521	44.528	ug/l	96
65) Chlorobenzene	9.79	112	276009	51.051	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.92	131	108417	46.645	ug/l	97
67) Ethyl Benzene	9.90	91	488994	48.582	ug/l	97
68) m/p-Xylenes	10.13	106	352523	97.379	ug/l	99
69) o-Xylene	10.71	106	193614	48.501	ug/l	91
70) Styrene	10.79	104	256656	46.381	ug/l	98
71) Bromoform	10.77	173	52928	47.144	ug/l #	95
73) Isopropylbenzene	11.13	105	564184	51.945	ug/l	99
74) N-amyl acetate	11.37	43	128322	51.165	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.70	83	91863	51.392	ug/l	99
76) 1,2,3-Trichloropropane	11.80	75	69538	53.520	ug/l	95
77) Bromobenzene	11.49	156	118195	49.637	ug/l	85
78) n-propylbenzene	11.59	91	660313	51.914	ug/l	99
79) 2-Chlorotoluene	11.72	91	371931	50.998	ug/l	100
80) 1,3,5-Trimethylbenzene	11.83	105	461297	52.317	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.87	75	42924	67.427	ug/l	97
82) 4-Chlorotoluene	11.89	91	390035	50.818	ug/l	98
83) tert-Butylbenzene	12.13	119	479239	53.358	ug/l	99
84) 1,2,4-Trimethylbenzene	12.20	105	463779	52.703	ug/l	98
85) sec-Butylbenzene	12.30	105	624803	50.817	ug/l	99
86) p-Isopropyltoluene	12.46	119	524416	50.874	ug/l	99
87) 1,3-Dichlorobenzene	12.48	146	222967	49.227	ug/l	99
88) 1,4-Dichlorobenzene	12.57	146	220356	49.922	ug/l	98
89) n-Butylbenzene	12.84	91	553705	53.122	ug/l	96
90) Hexachloroethane	12.91	117	133761	53.887	ug/l	95
91) 1,2-Dichlorobenzene	12.94	146	218331	50.902	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.64	75	19296	55.834	ug/l	94

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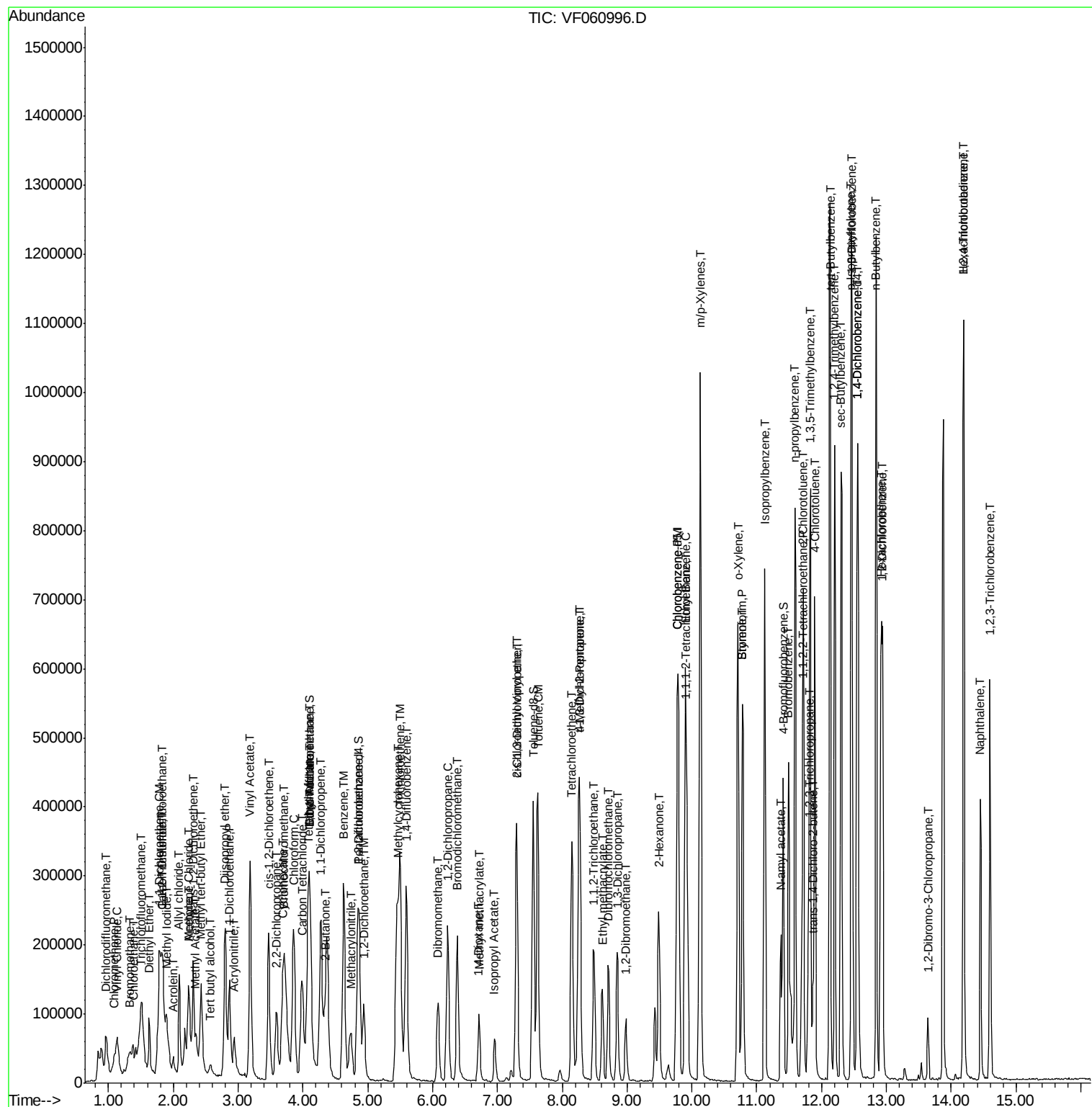
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	155971	52.042	ug/l	98
94) Hexachlorobutadiene	14.18	225	107258	53.686	ug/l	97
95) Naphthalene	14.45	128	290702	49.972	ug/l	100
96) 1,2,3-Trichlorobenzene	14.60	180	149265	53.639	ug/l	96

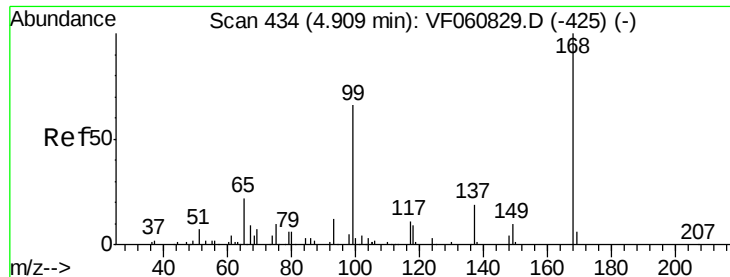
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.04 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Instrument :

MSVOA_F

ClientSampleId :

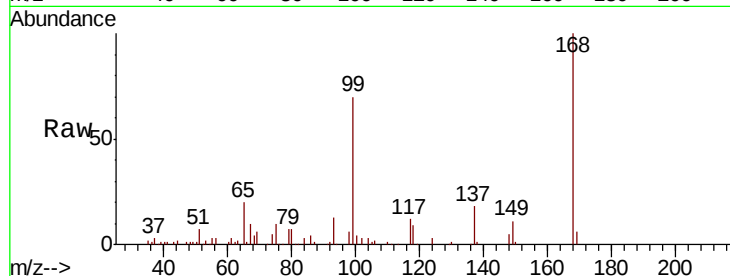
VSTDCCC050

Tot Ion:168 Resp: 176362

Ion Ratio Lower Upper

168 100

99 69.8 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

60000

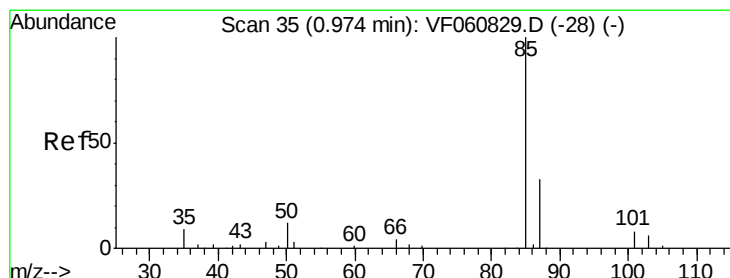
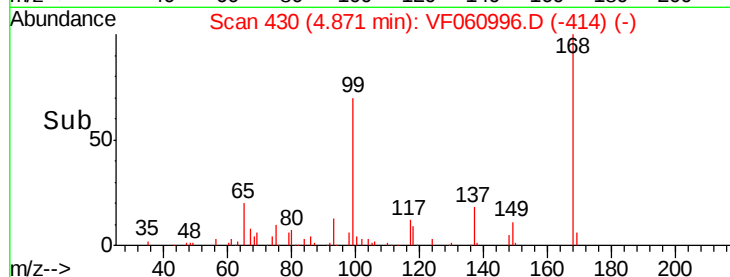
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 44.042 ug/l

RT: 0.97 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF060996.D

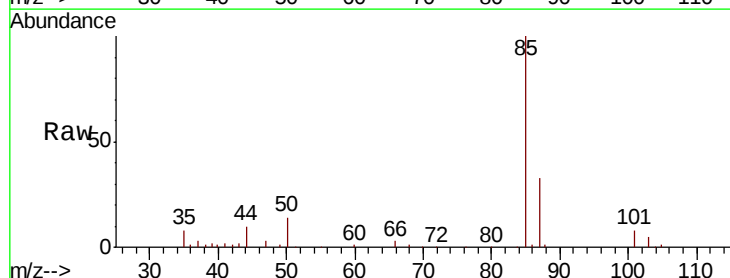
Acq: 12 Dec 2018 15:08

Tgt Ion: 85 Resp: 116138

Ion Ratio Lower Upper

85 100

87 33.2 16.7 50.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

30000

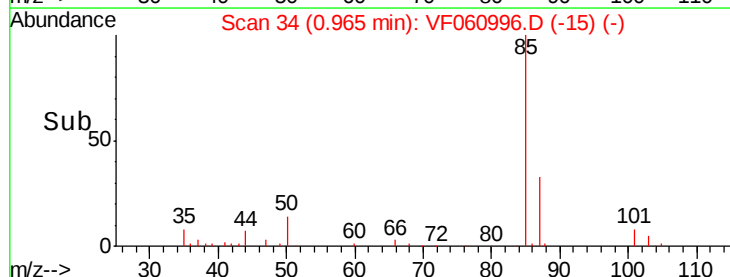
20000

10000

0

Time-->

0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 45.782 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Instrument :

MSVOA_F

ClientSampleId :

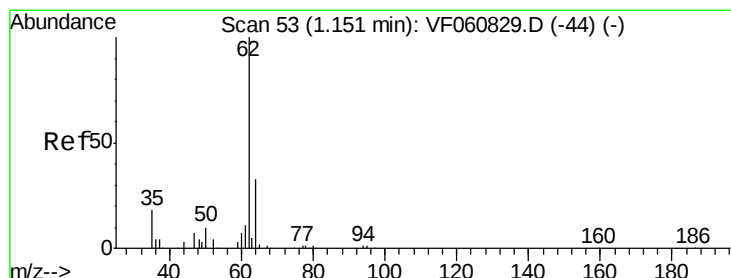
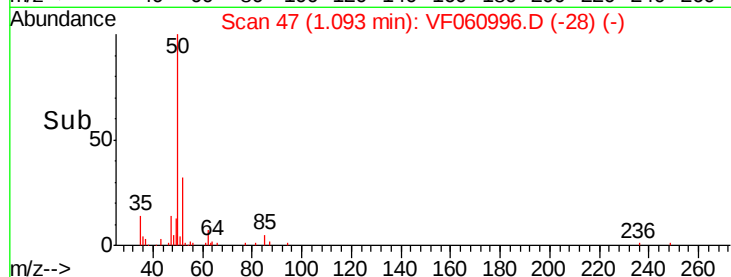
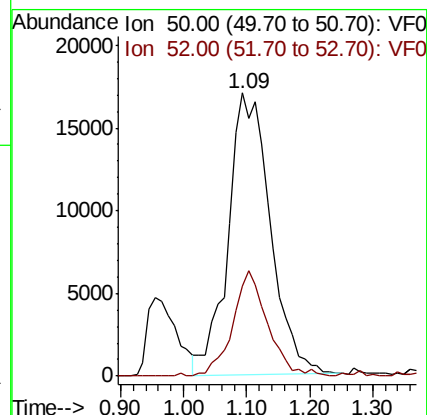
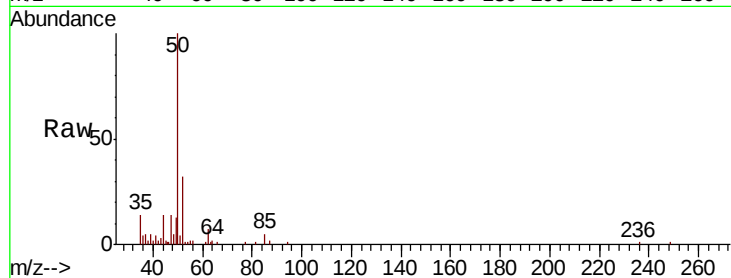
VSTDCCC050

Tot Ion: 50 Resp: 78558

Ion Ratio Lower Upper

50 100

52 31.9 27.0 40.4



#4

Vinyl Chloride

Concen: 48.390 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.02 min

Lab File: VF060996.D

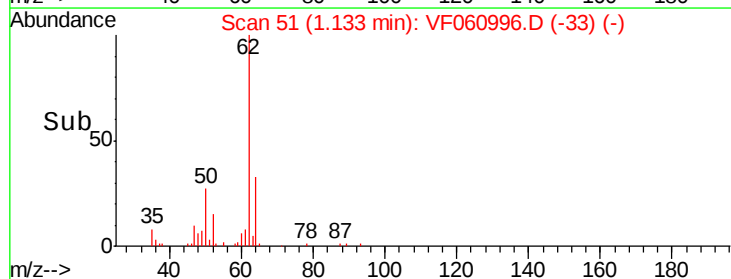
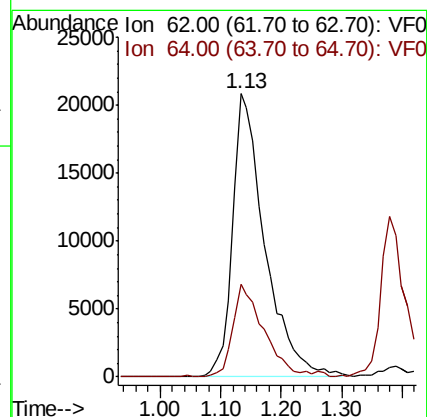
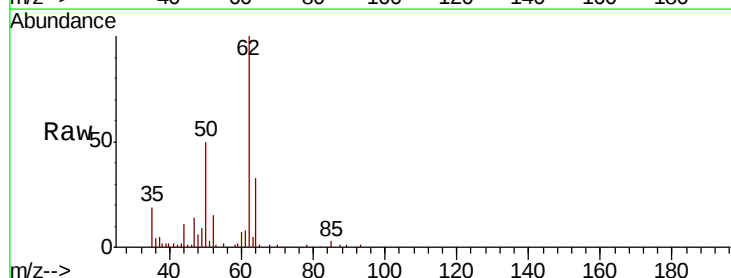
Acq: 12 Dec 2018 15:08

Tgt Ion: 62 Resp: 77452

Ion Ratio Lower Upper

62 100

64 32.6 26.4 39.6





#5

Bromomethane

Concen: 47.864 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.02 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Instrument :

MSVOA_F

ClientSampleId :

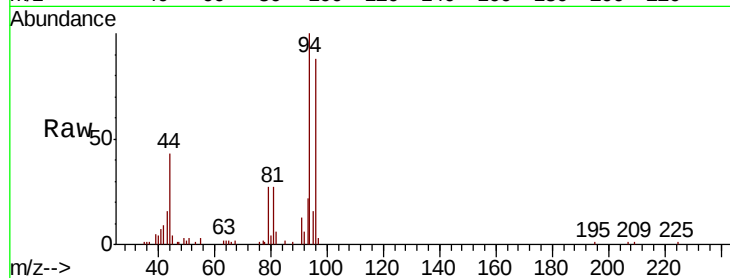
VSTDCCC050

Tot Ion: 94 Resp: 54020

Ion Ratio Lower Upper

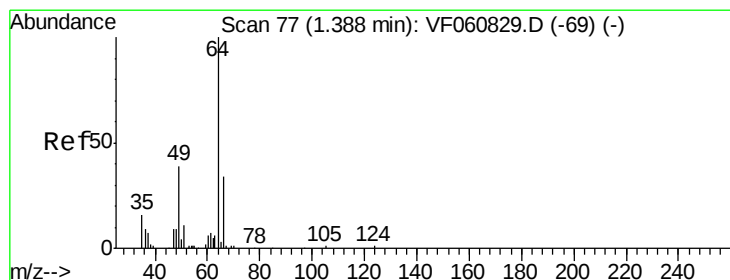
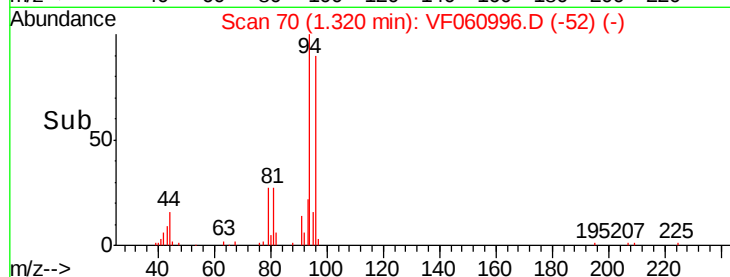
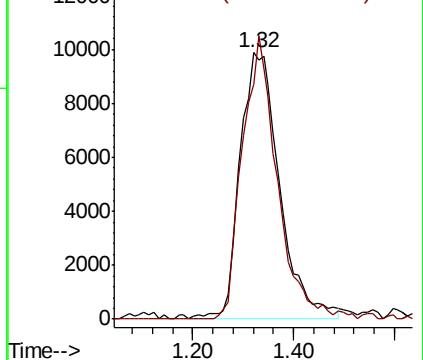
94 100

96 88.3 75.9 113.9



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 49.158 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF060996.D

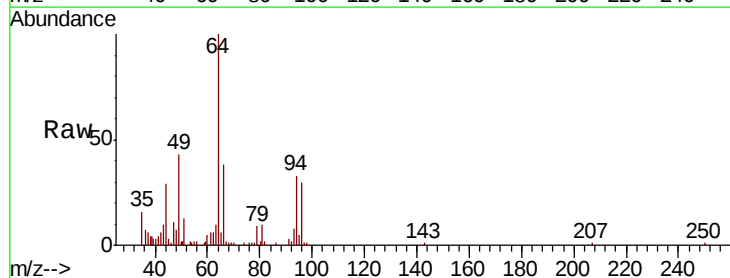
Acq: 12 Dec 2018 15:08

Tgt Ion: 64 Resp: 34011

Ion Ratio Lower Upper

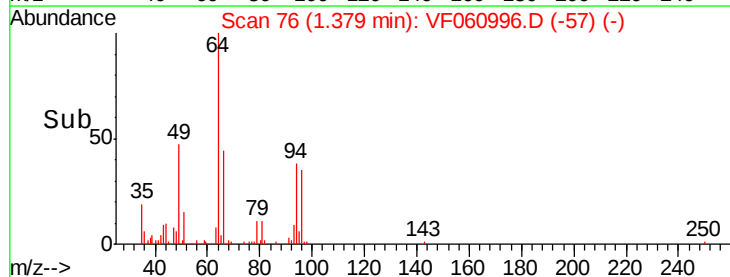
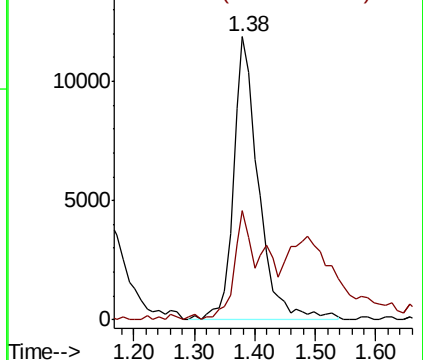
64 100

66 38.4 28.1 42.1



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 35.883 ug/l

RT: 1.49 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

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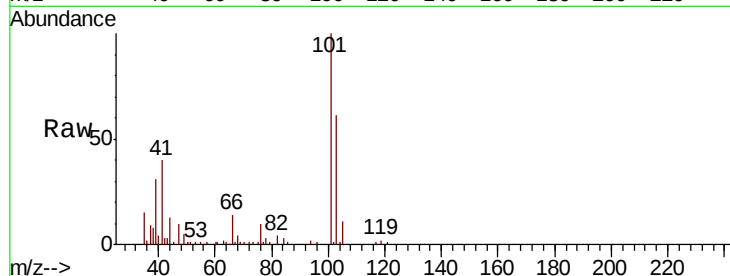
VSTDCCC050

Tot Ion:101 Resp: 123227

Ion Ratio Lower Upper

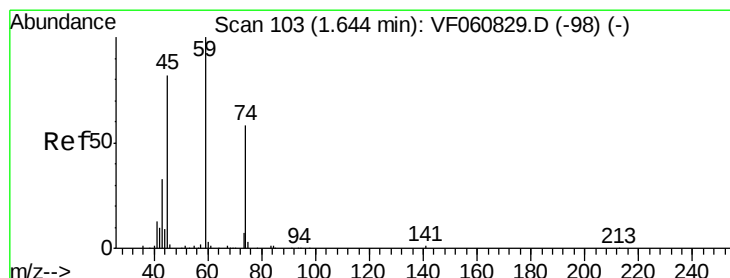
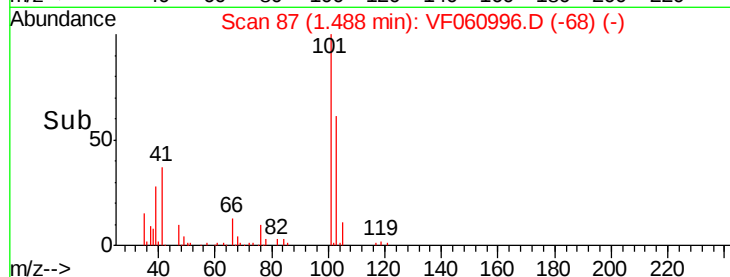
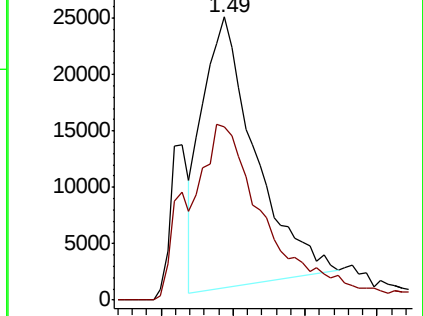
101 100

103 61.2 55.4 83.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 49.416 ug/l

RT: 1.63 min Scan# 101

Delta R.T. -0.02 min

Lab File: VF060996.D

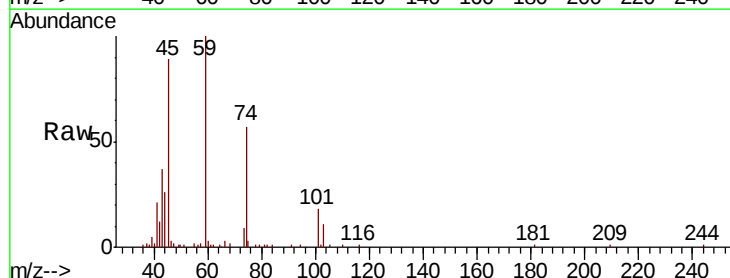
Acq: 12 Dec 2018 15:08

Tgt Ion: 74 Resp: 24403

Ion Ratio Lower Upper

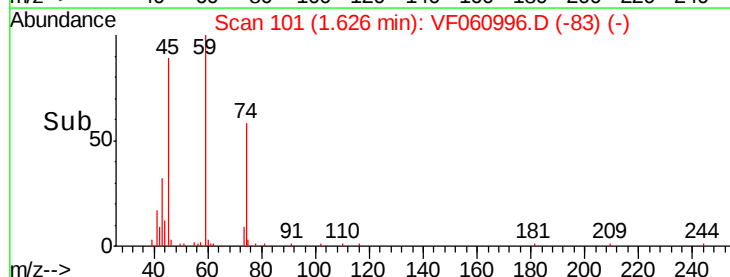
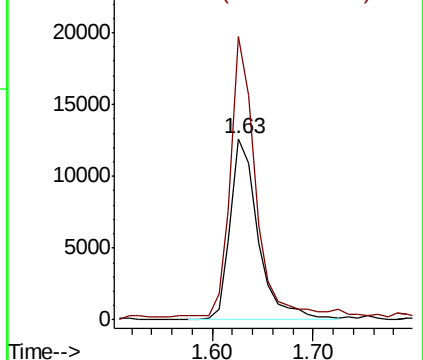
74 100

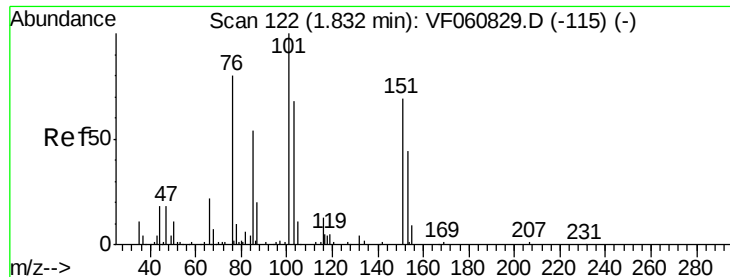
45 156.3 71.0 212.8



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: 52.712 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.01 min

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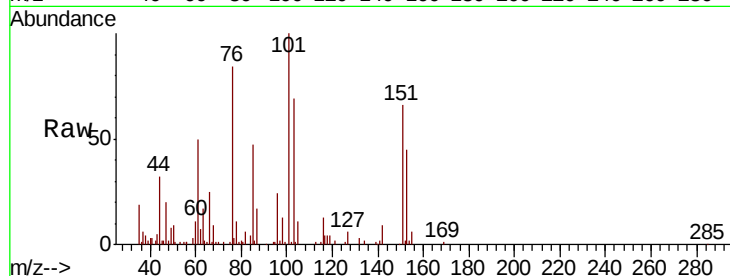
Tot Ion:101 Resp: 91515

Ion Ratio Lower Upper

101 100

85 46.6 42.8 64.2

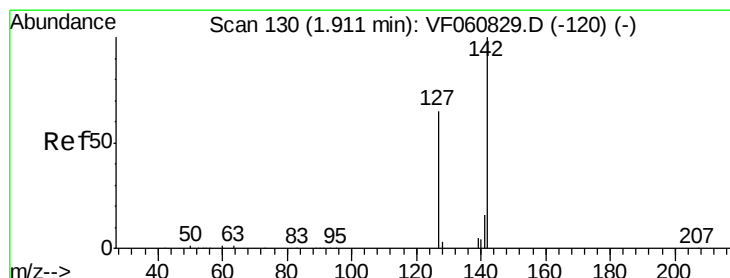
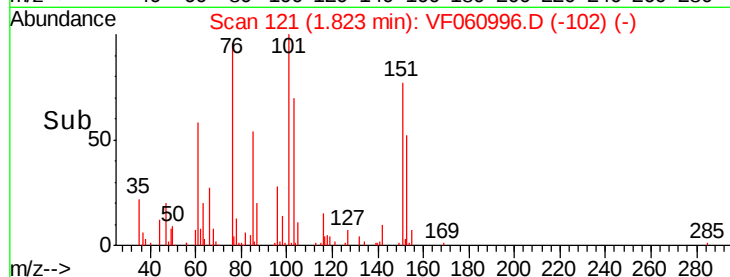
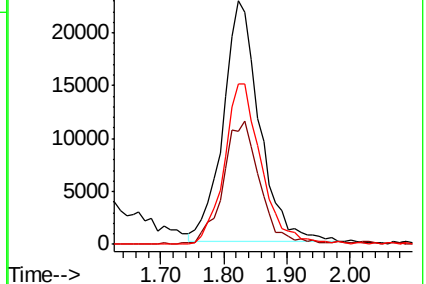
151 66.1 54.4 81.6



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: 39.315 ug/l

RT: 1.89 min Scan# 128

Delta R.T. -0.02 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

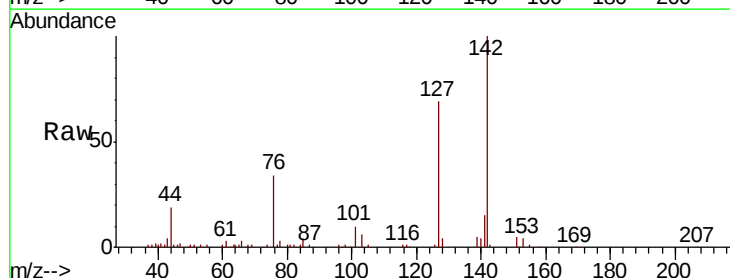
Tgt Ion:142 Resp: 103749

Ion Ratio Lower Upper

142 100

127 68.9 51.9 77.9

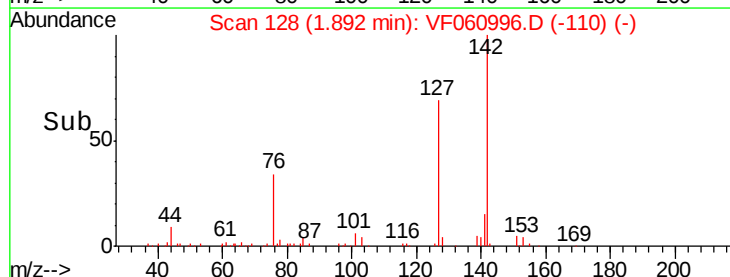
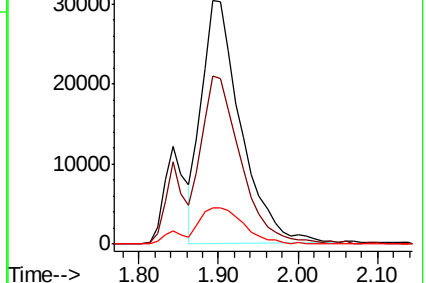
141 15.0 12.7 19.1

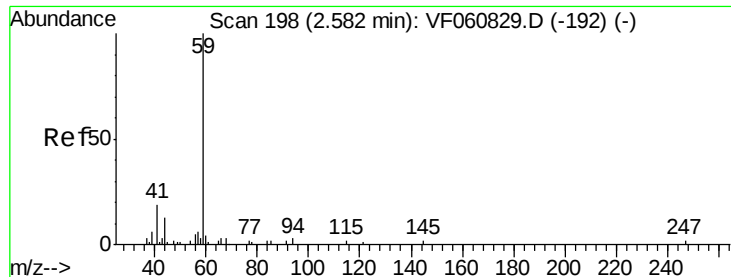


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



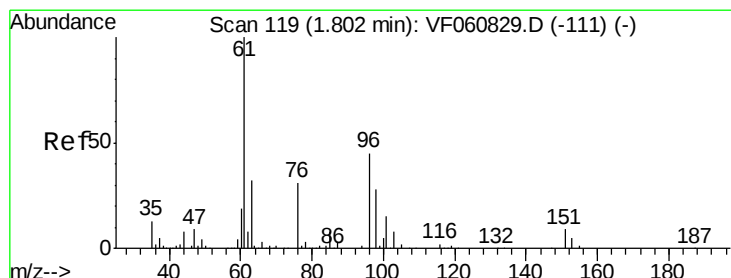
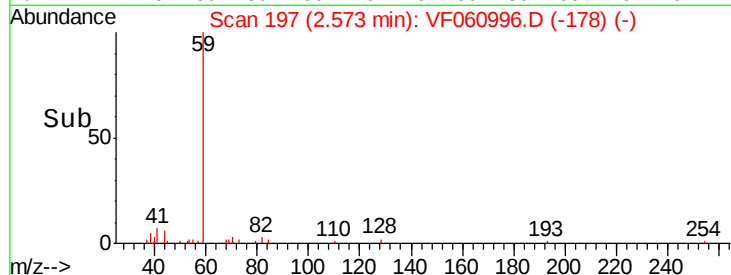
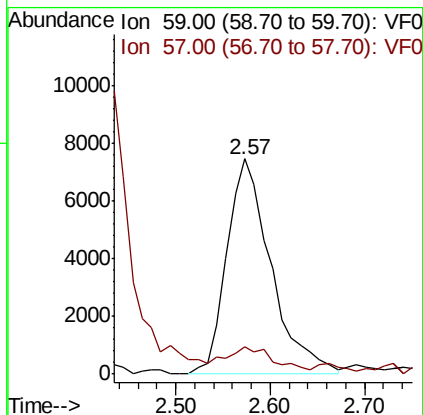
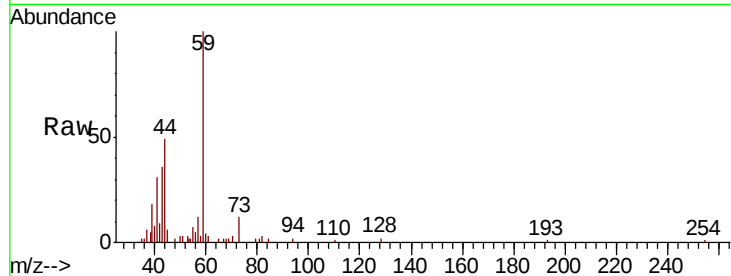


#11

Tert butyl alcohol
 Concen: 283.939 ug/l
 RT: 2.57 min Scan# 197
 Delta R.T. -0.01 min
 Lab File: VF060996.D
 Acq: 12 Dec 2018 15:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

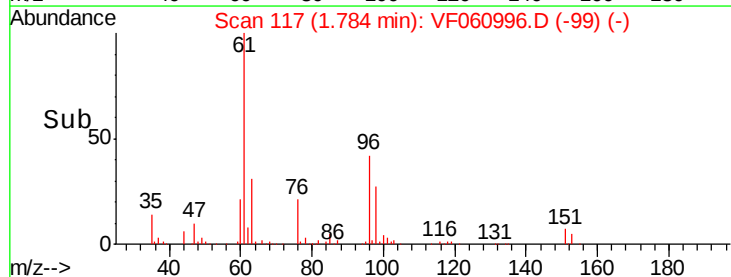
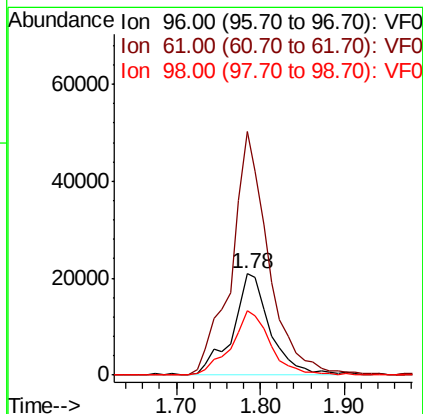
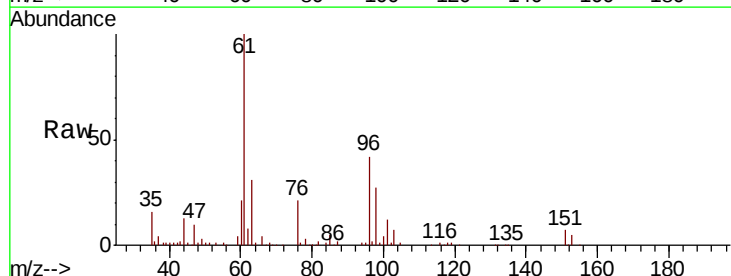
Tot Ion: 59 Resp: 24182
 Ion Ratio Lower Upper
 59 100
 57 12.5 12.7 19.1#

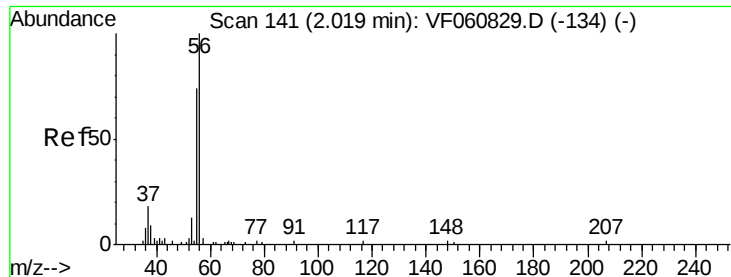


#12

1,1-Dichloroethene
 Concen: 46.436 ug/l
 RT: 1.78 min Scan# 117
 Delta R.T. -0.02 min
 Lab File: VF060996.D
 Acq: 12 Dec 2018 15:08

Tgt Ion: 96 Resp: 64845
 Ion Ratio Lower Upper
 96 100
 61 240.7 177.3 265.9
 98 64.2 49.6 74.4

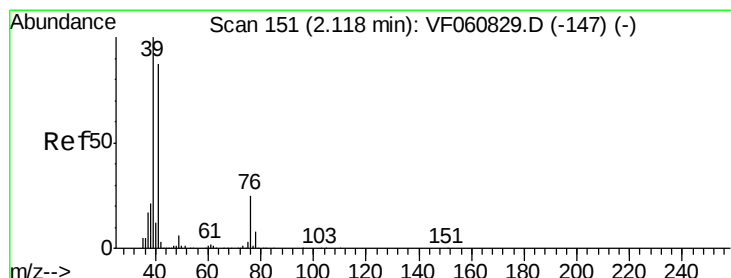
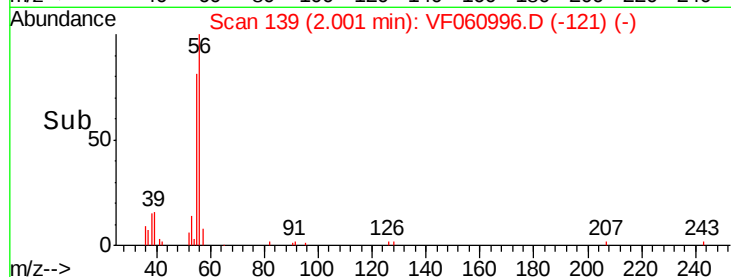
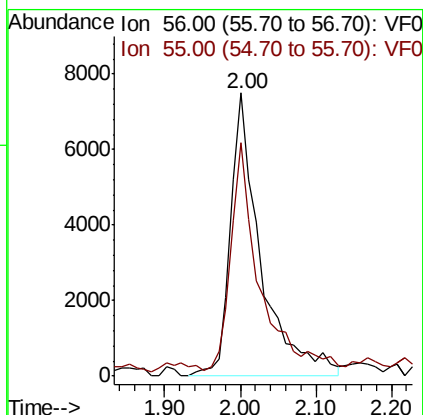
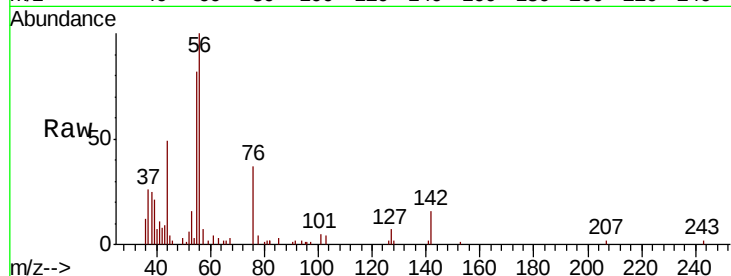




#13
 Acrolein
 Concen: 257.361 ug/l
 RT: 2.00 min Scan# 139
 Delta R.T. -0.02 min
 Lab File: VF060996.D
 Acq: 12 Dec 2018 15:08

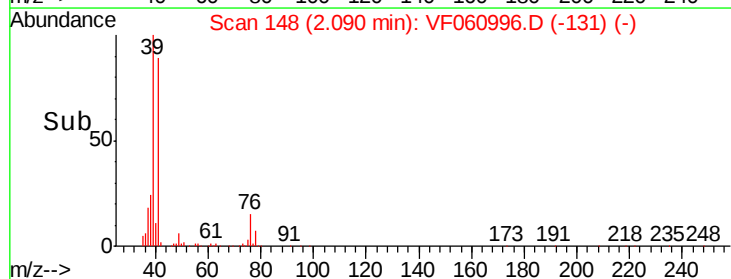
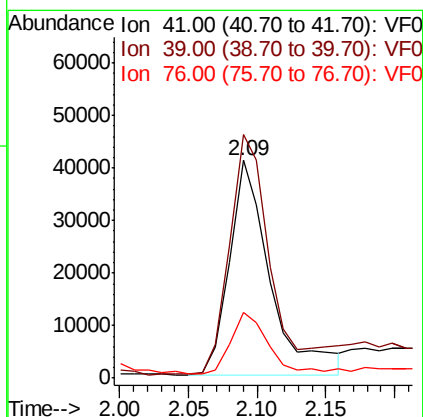
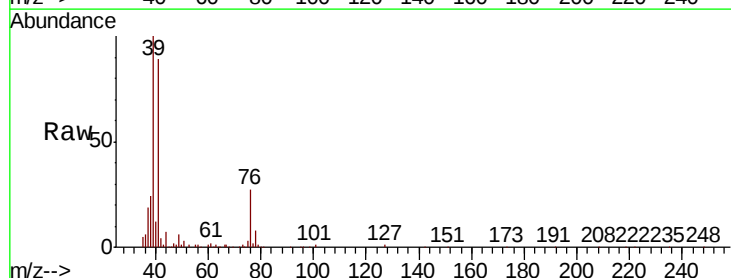
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

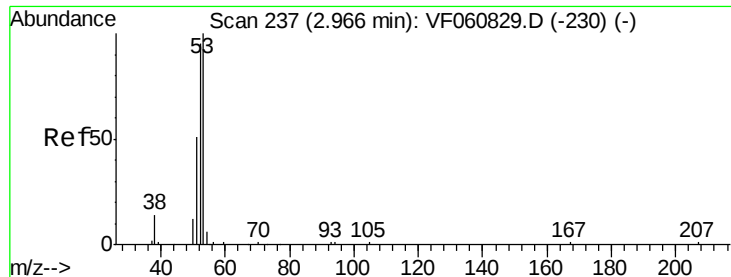
Tot Ion: 56 Resp: 20767
 Ion Ratio Lower Upper
 56 100
 55 82.4 61.2 91.8



#14
 Allyl chloride
 Concen: 48.952 ug/l
 RT: 2.09 min Scan# 148
 Delta R.T. -0.03 min
 Lab File: VF060996.D
 Acq: 12 Dec 2018 15:08

Tgt Ion: 41 Resp: 85203
 Ion Ratio Lower Upper
 41 100
 39 111.9 91.7 137.5
 76 30.2 23.5 35.3





#15

Acrylonitrile

Concen: 268.463 ug/l

RT: 2.95 min Scan# 235

Delta R.T. -0.02 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

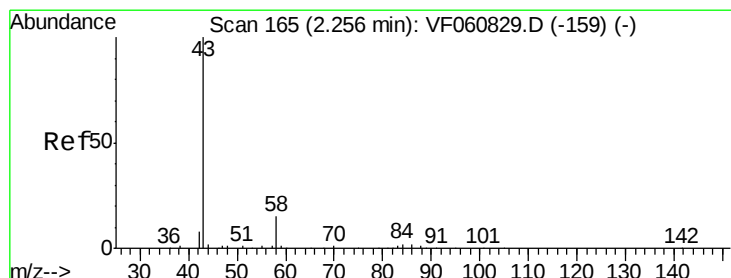
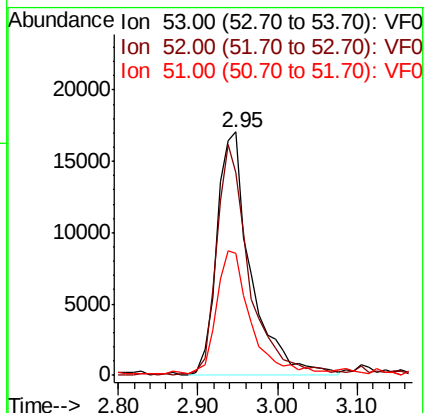
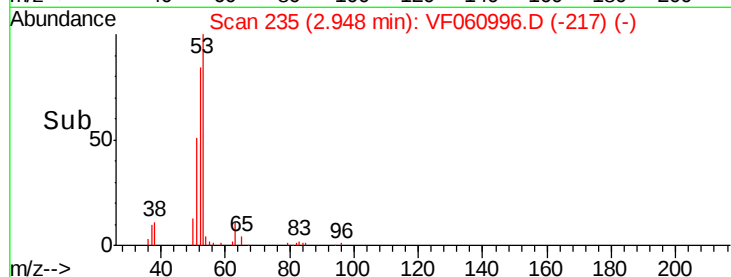
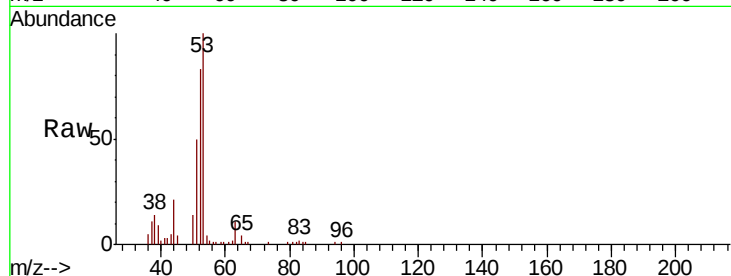
Tot Ion: 53 Resp: 51259

Ion Ratio Lower Upper

53 100

52 83.0 76.5 114.7

51 50.1 40.7 61.1



#16

Acetone

Concen: 299.549 ug/l

RT: 2.24 min Scan# 163

Delta R.T. -0.02 min

Lab File: VF060996.D

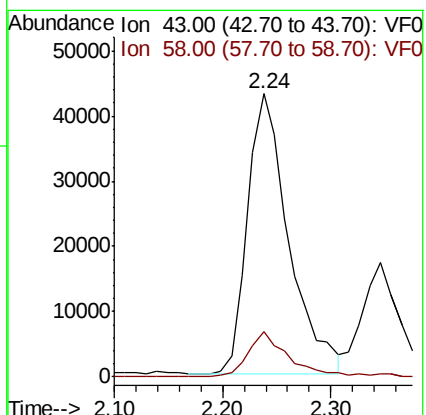
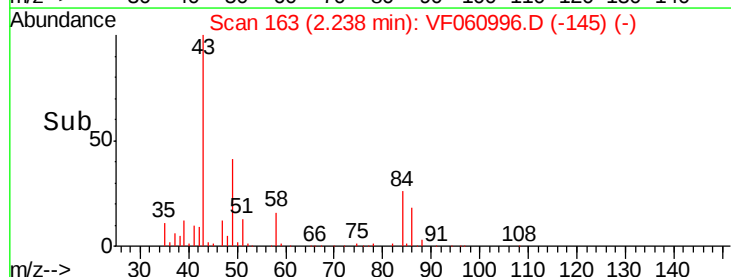
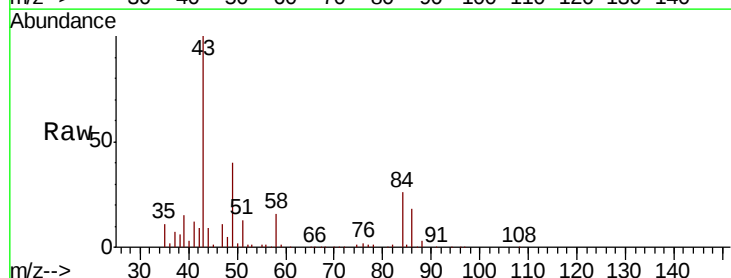
Acq: 12 Dec 2018 15:08

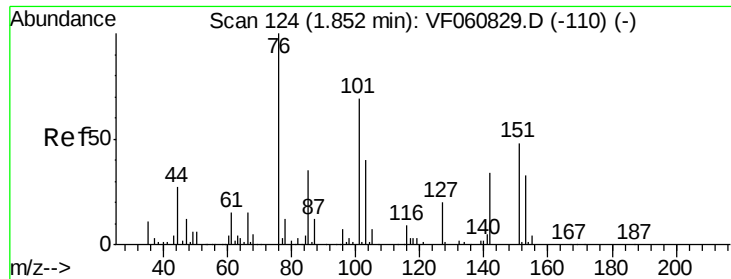
Tgt Ion: 43 Resp: 114764

Ion Ratio Lower Upper

43 100

58 16.0 11.4 17.2

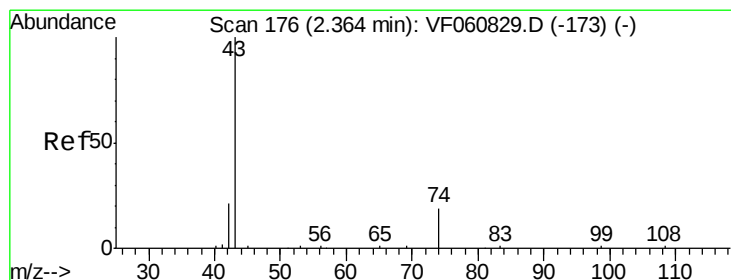
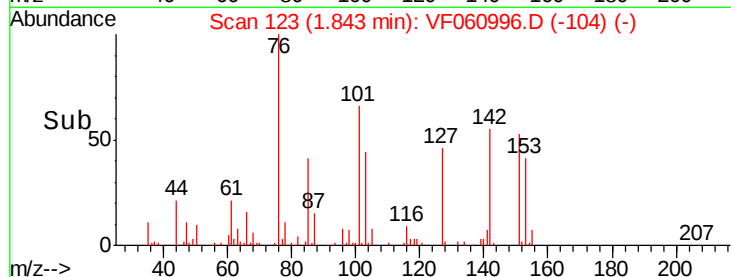
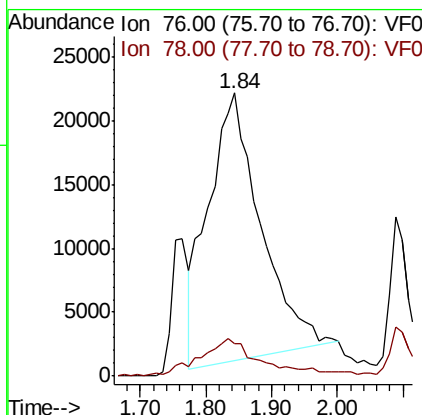
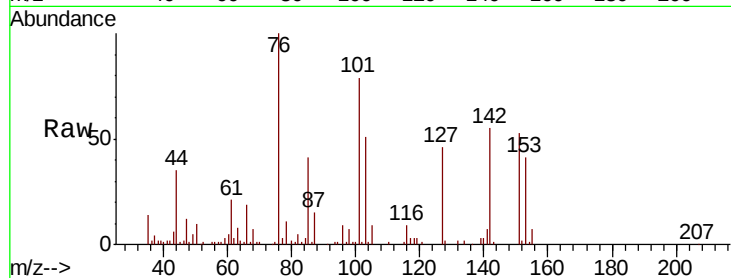




#17
Carbon Disulfide
Concen: 31.119 ug/l
RT: 1.84 min Scan# 123
Delta R.T. -0.01 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

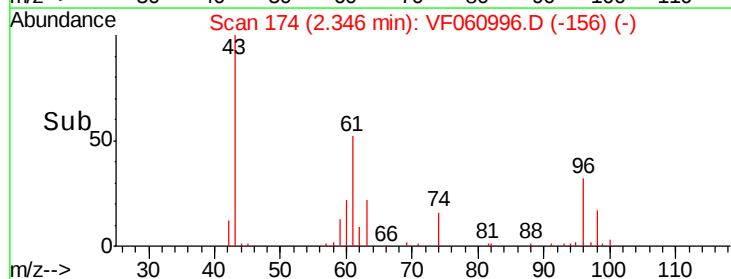
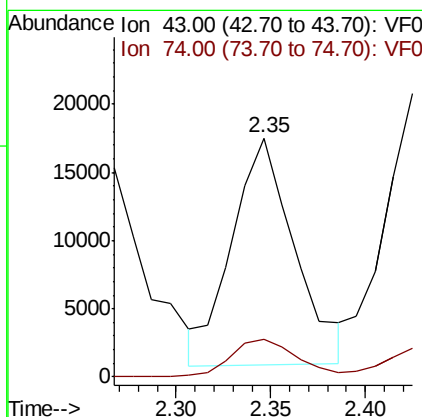
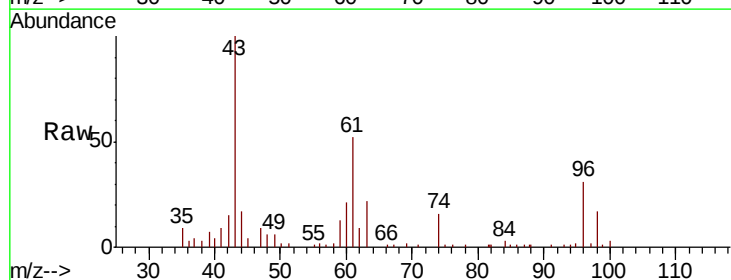
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

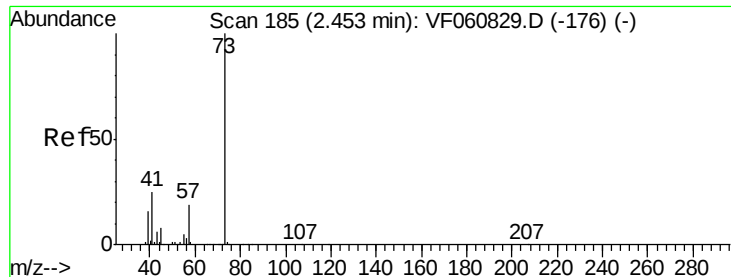
Tot Ion: 76 Resp: 116516
Ion Ratio Lower Upper
76 100
78 11.5 10.2 15.2



#18
Methyl Acetate
Concen: 59.927 ug/l
RT: 2.35 min Scan# 174
Delta R.T. -0.02 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

Tgt Ion: 43 Resp: 38308
Ion Ratio Lower Upper
43 100
74 16.0 13.3 19.9



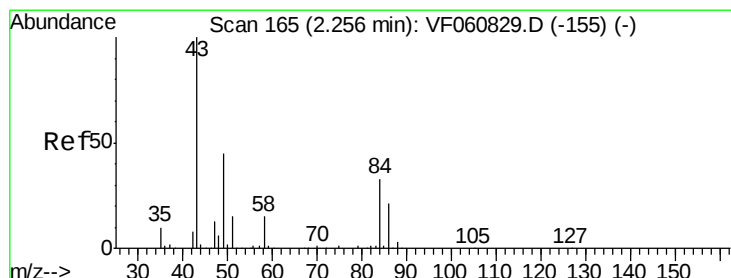
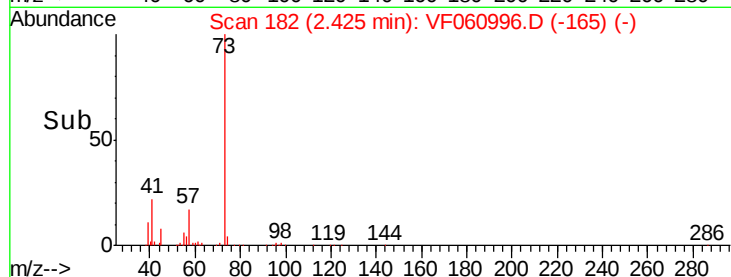
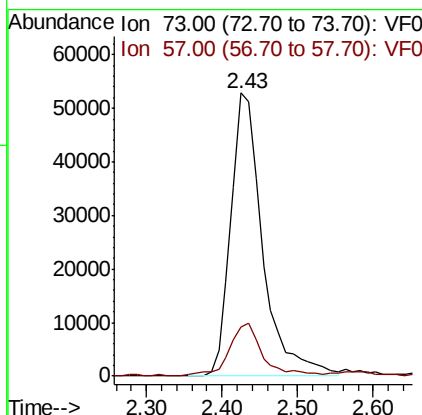
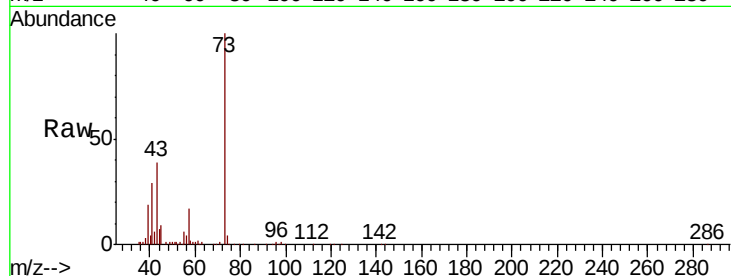


#19

Methyl tert-butyl Ether
 Concen: 49.201 ug/l
 RT: 2.43 min Scan# 182
 Delta R.T. -0.03 min
 Lab File: VF060996.D
 Acq: 12 Dec 2018 15:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

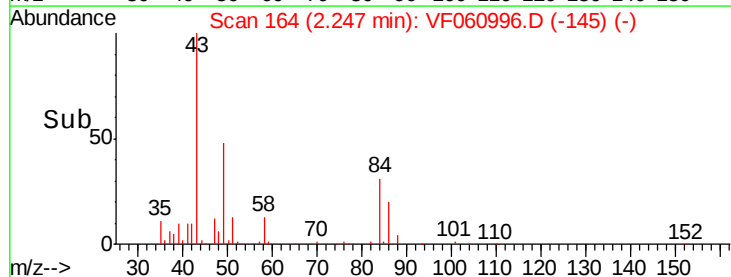
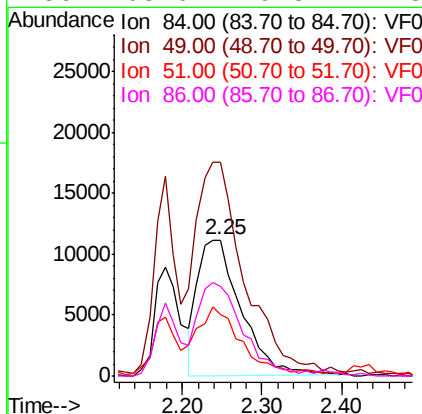
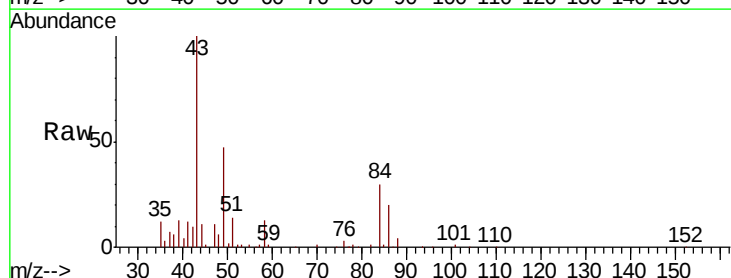
Tot Ion: 73 Resp: 154747
 Ion Ratio Lower Upper
 73 100
 57 17.3 15.3 22.9

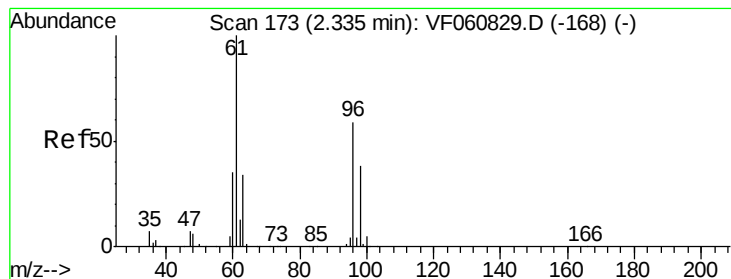


#20

Methylene Chloride
 Concen: 29.787 ug/l
 RT: 2.25 min Scan# 164
 Delta R.T. -0.01 min
 Lab File: VF060996.D
 Acq: 12 Dec 2018 15:08

Tgt Ion: 84 Resp: 41866
 Ion Ratio Lower Upper
 84 100
 49 157.0 111.3 166.9
 51 45.5 38.0 57.0
 86 65.6 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 50.089 ug/l

RT: 2.31 min Scan# 170

Delta R.T. -0.03 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

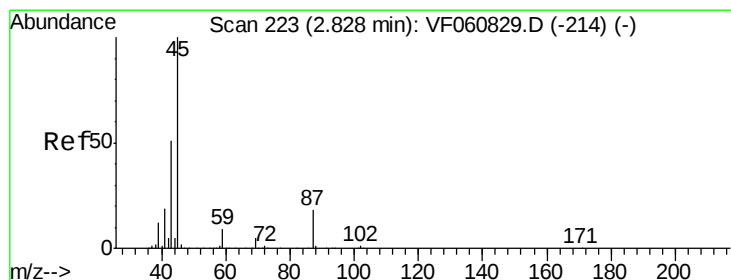
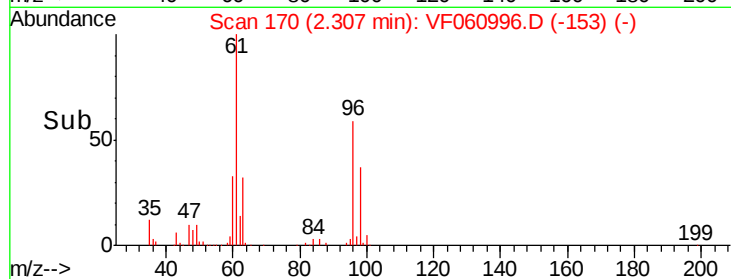
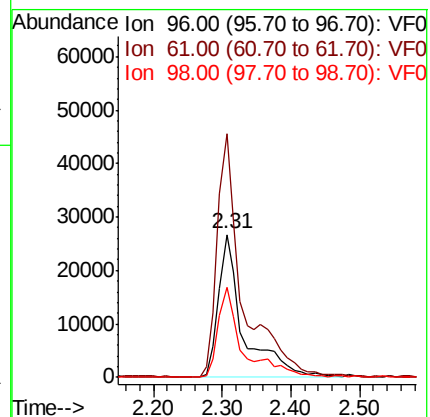
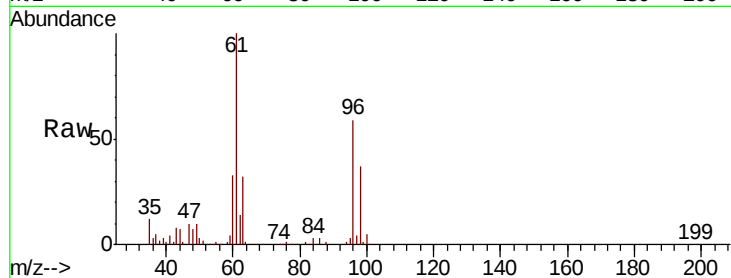
Tot Ion: 96 Resp: 67434

Ion Ratio Lower Upper

96 100

61 170.3 134.5 201.7

98 63.2 51.6 77.4



#22

Diisopropyl ether

Concen: 54.234 ug/l

RT: 2.80 min Scan# 220

Delta R.T. -0.03 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Tgt Ion: 45 Resp: 256949

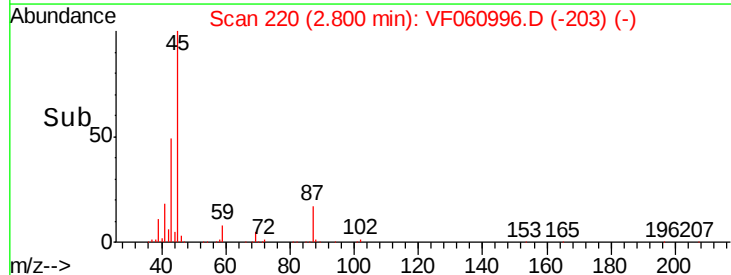
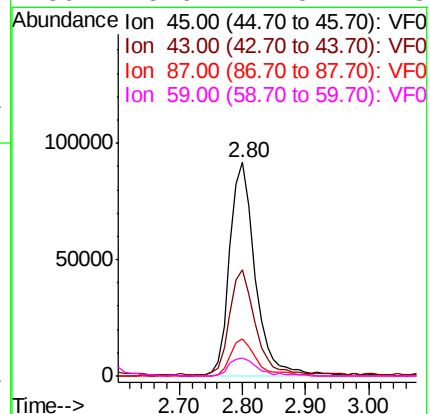
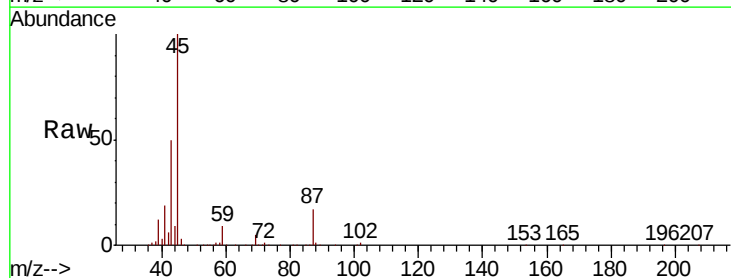
Ion Ratio Lower Upper

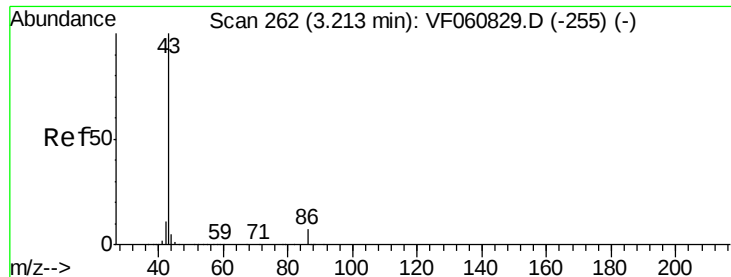
45 100

43 49.7 41.0 61.6

87 17.3 14.6 22.0

59 8.6 7.5 11.3





#23

Vinyl Acetate

Concen: 281.923 ug/l

RT: 3.18 min Scan# 259

Delta R.T. -0.03 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Instrument :

MSVOA_F

ClientSampleId :

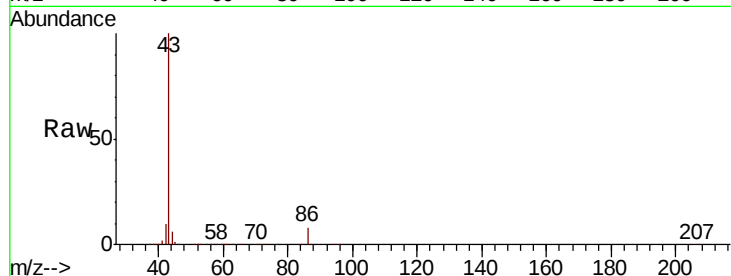
VSTDCCC050

Tot Ion: 43 Resp: 610552

Ion Ratio Lower Upper

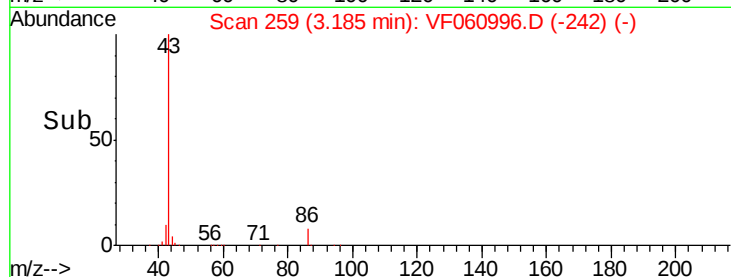
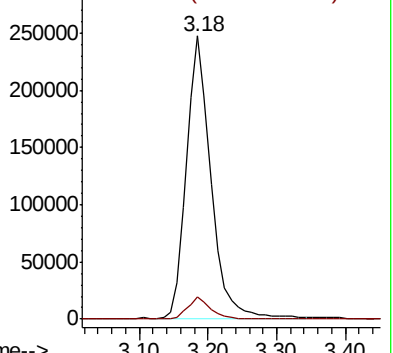
43 100

86 7.7 5.4 8.0

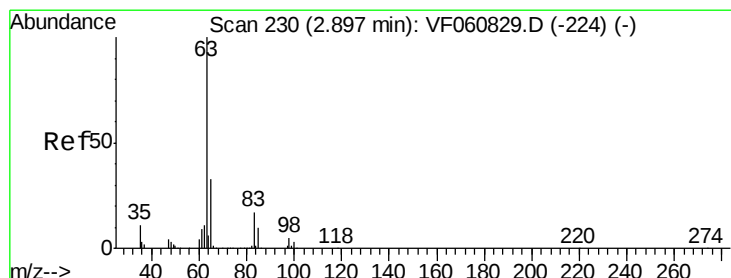


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



Time-->



#24

1,1-Dichloroethane

Concen: 52.980 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.03 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

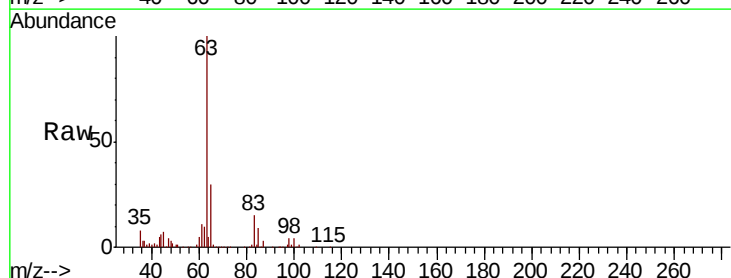
Tgt Ion: 63 Resp: 149338

Ion Ratio Lower Upper

63 100

98 4.2 2.7 8.1

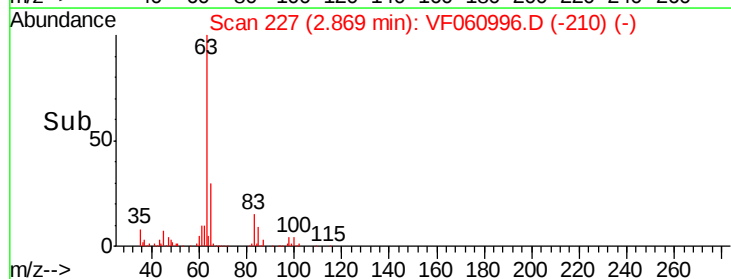
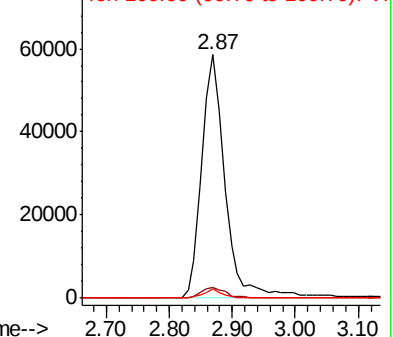
100 3.7 1.5 4.5



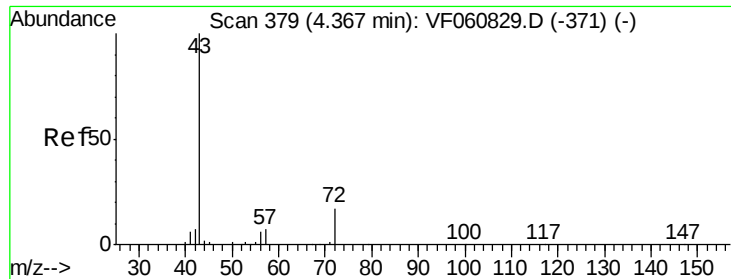
Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



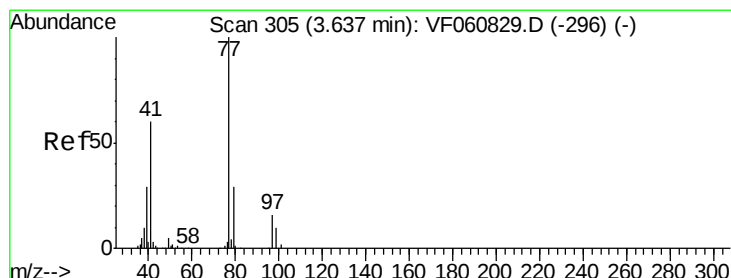
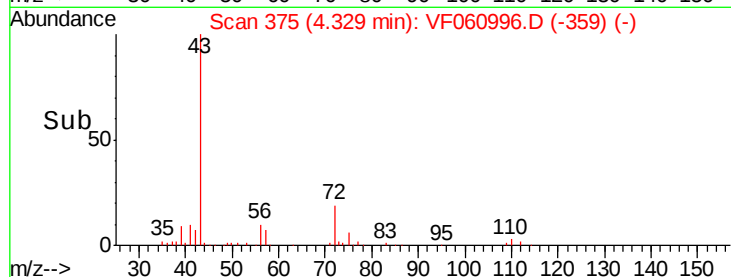
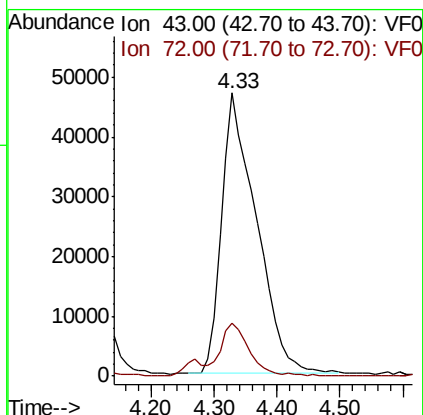
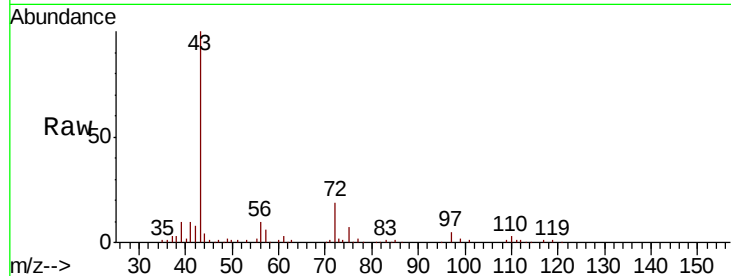
Time-->



#25
2-Butanone
Concen: 272.417 ug/l
RT: 4.33 min Scan# 375
Delta R.T. -0.04 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

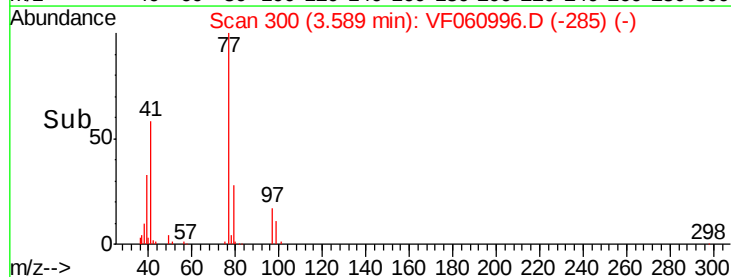
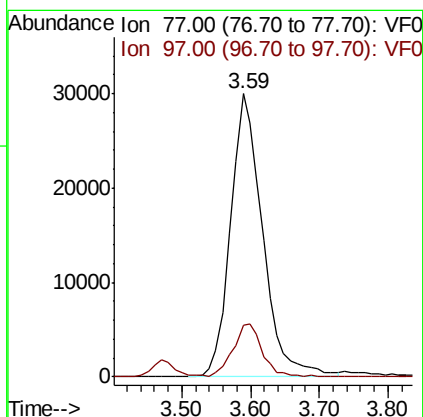
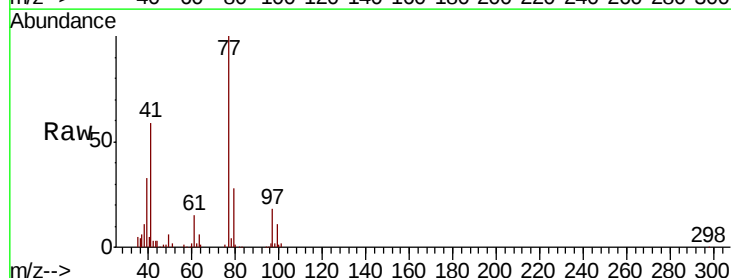
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

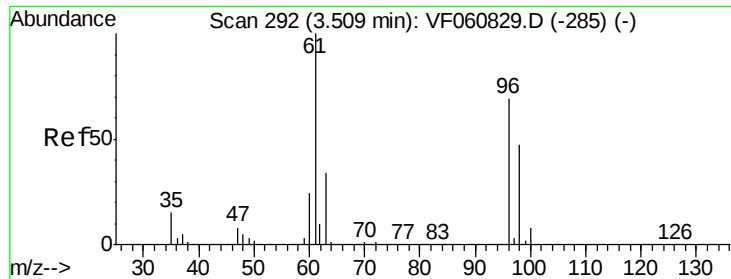
Tot Ion: 43 Resp: 180522
Ion Ratio Lower Upper
43 100
72 18.8 15.4 23.2



#26
2,2-Dichloropropane
Concen: 53.037 ug/l
RT: 3.59 min Scan# 300
Delta R.T. -0.05 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

Tgt Ion: 77 Resp: 96922
Ion Ratio Lower Upper
77 100
97 18.2 8.6 25.8



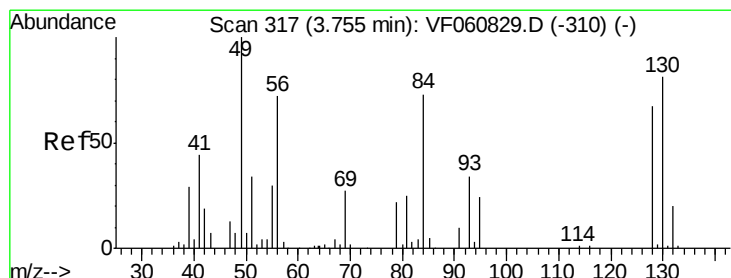
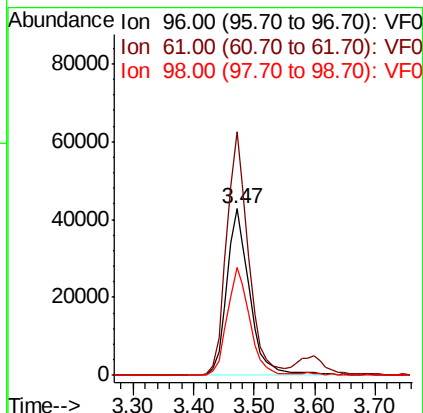
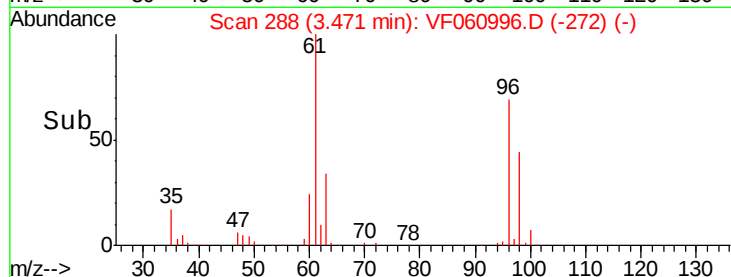
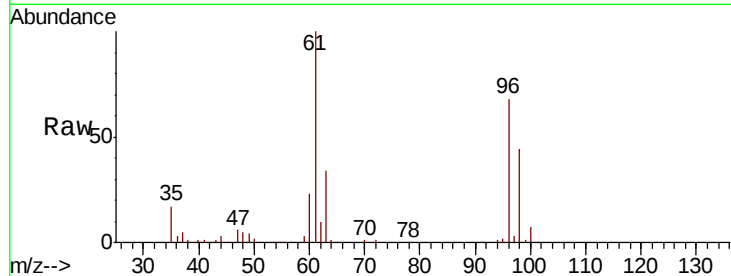


#27

cis-1,2-Dichloroethene
 Concen: 51.235 ug/l
 RT: 3.47 min Scan# 288
 Delta R.T. -0.04 min
 Lab File: VF060996.D
 Acq: 12 Dec 2018 15:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

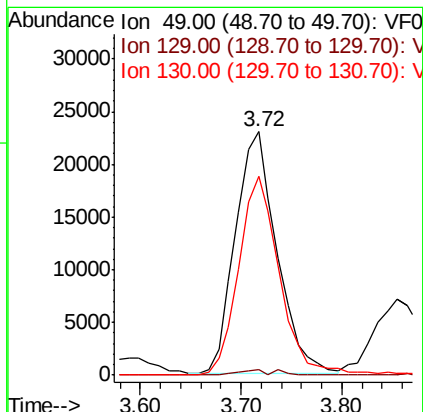
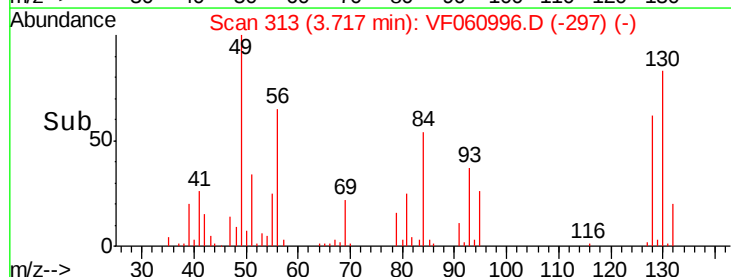
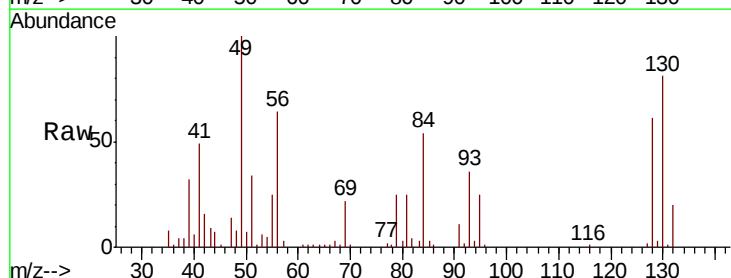
Tot Ion	Ratio	Lower	Upper
96	100		
61	146.2	0.0	290.6
98	64.6	0.0	137.8

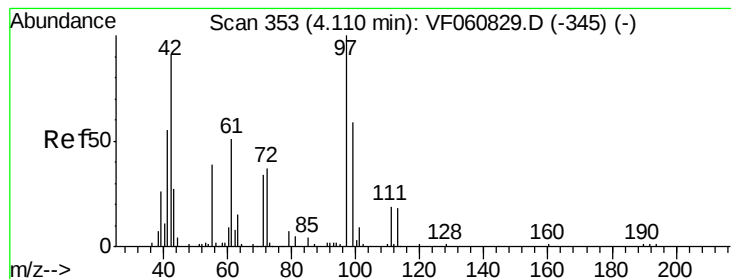


#28

Bromochloromethane
 Concen: 48.556 ug/l
 RT: 3.72 min Scan# 313
 Delta R.T. -0.04 min
 Lab File: VF060996.D
 Acq: 12 Dec 2018 15:08

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.4
130	81.4	64.2	96.4





#29

Tetrahydrofuran

Concen: 258.428 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.04 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

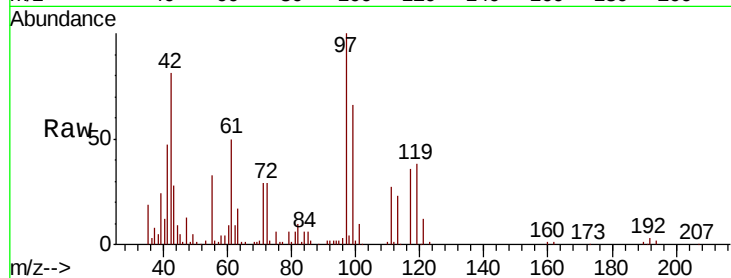
Tot Ion: 42 Resp: 72591

Ion Ratio Lower Upper

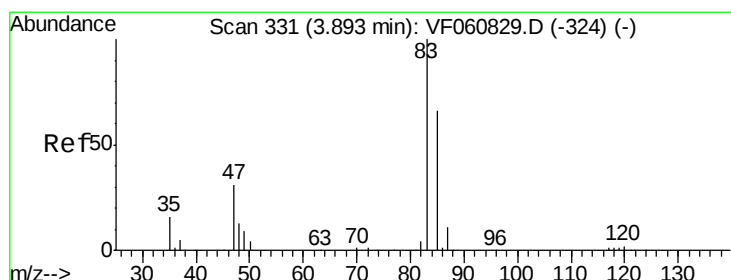
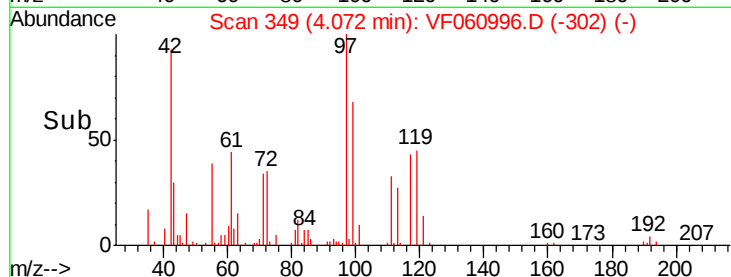
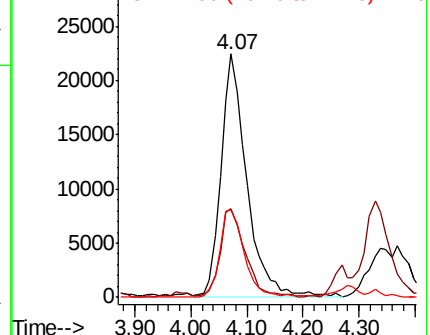
42 100

72 35.3 31.9 47.9

71 34.4 28.7 43.1



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: 53.370 ug/l

RT: 3.86 min Scan# 327

Delta R.T. -0.04 min

Lab File: VF060996.D

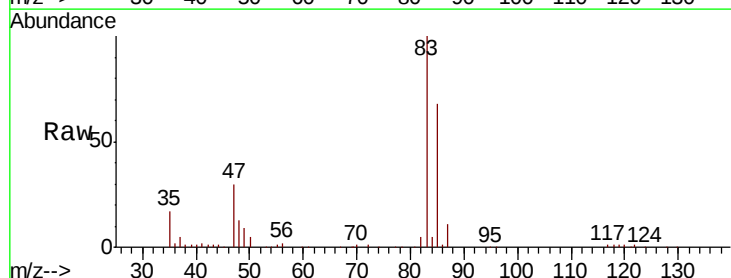
Acq: 12 Dec 2018 15:08

Tgt Ion: 83 Resp: 231534

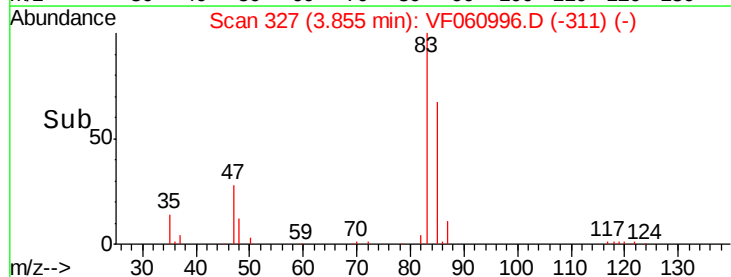
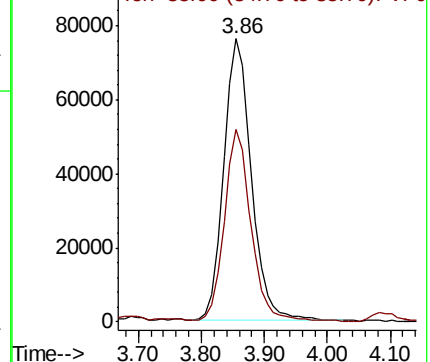
Ion Ratio Lower Upper

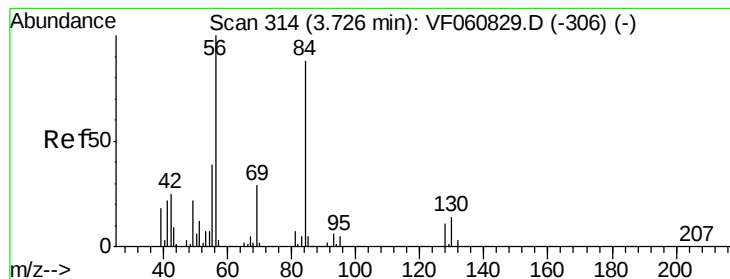
83 100

85 67.8 53.4 80.2



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





#31

Cyclohexane

Concen: 48.428 ug/l

RT: 3.69 min Scan# 310

Delta R.T. -0.04 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

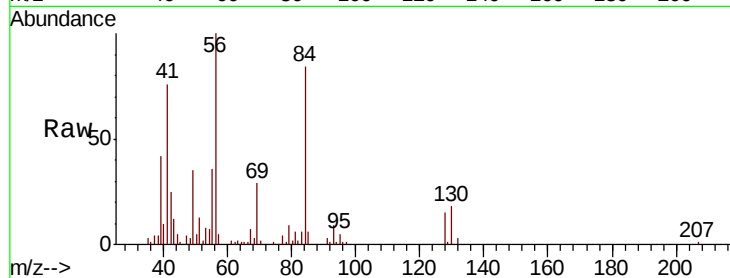
Tot Ion: 56 Resp: 141670

Ion Ratio Lower Upper

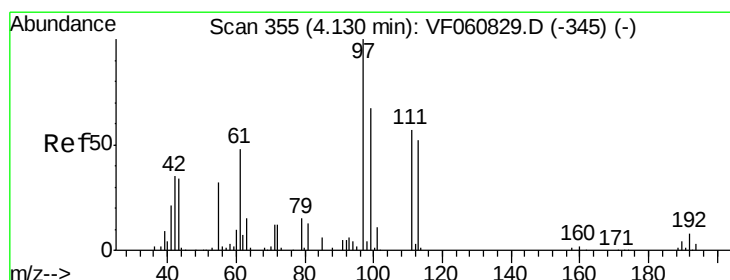
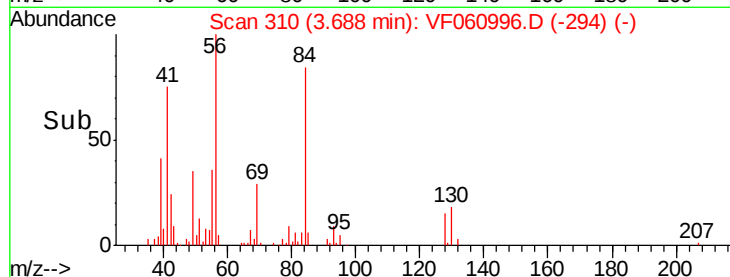
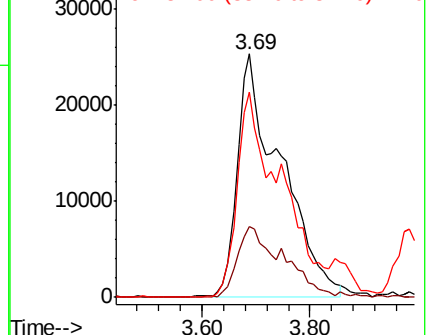
56 100

69 29.3 23.0 34.4

84 84.2 70.4 105.6



Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 54.446 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.04 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

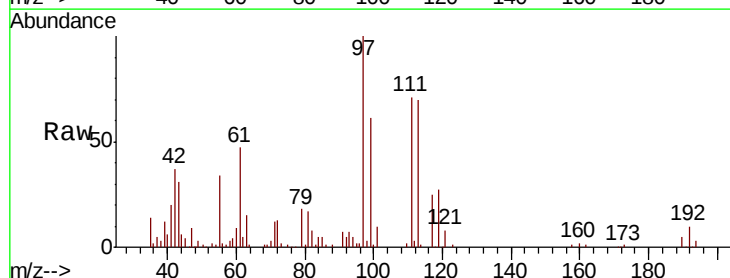
Tgt Ion: 97 Resp: 163812

Ion Ratio Lower Upper

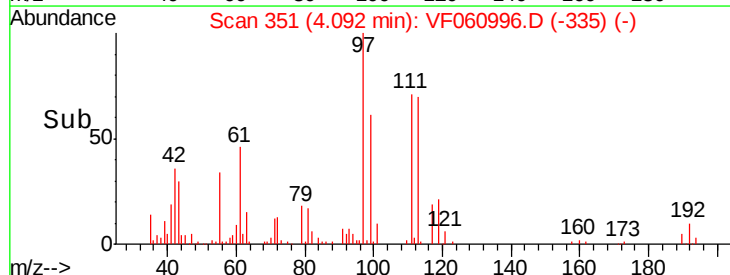
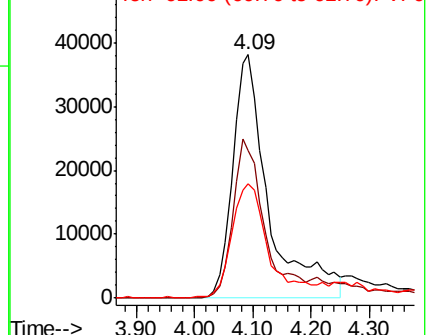
97 100

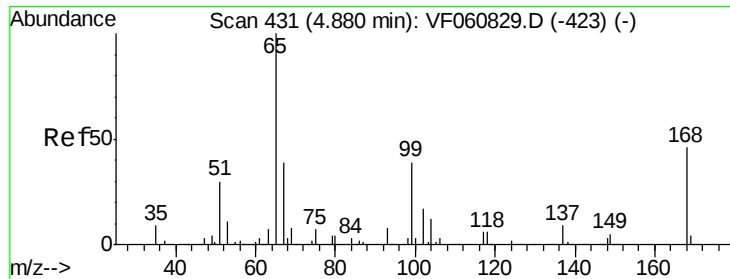
99 60.6 53.5 80.3

61 46.8 38.6 58.0



Abundance Ion 97.00 (96.70 to 97.70): VF0
Ion 99.00 (98.70 to 99.70): VF0
Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 55.585 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.04 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Instrument :

MSVOA_F

ClientSampleId :

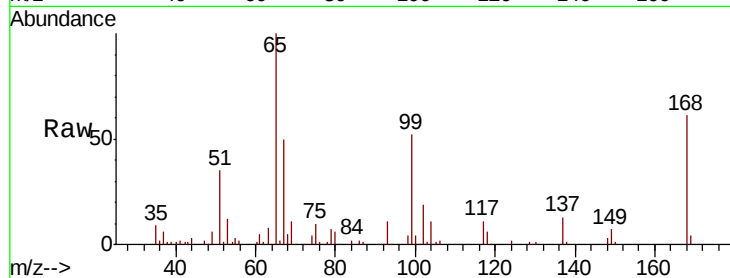
VSTDCCC050

Tot Ion: 65 Resp: 115483

Ion Ratio Lower Upper

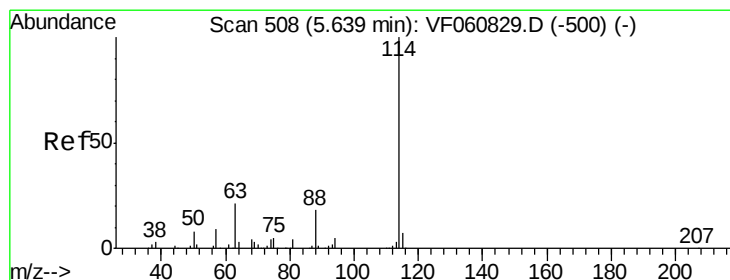
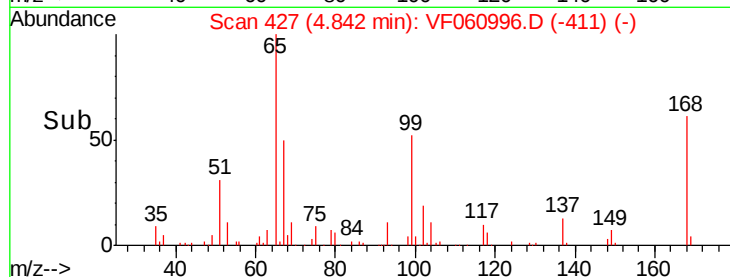
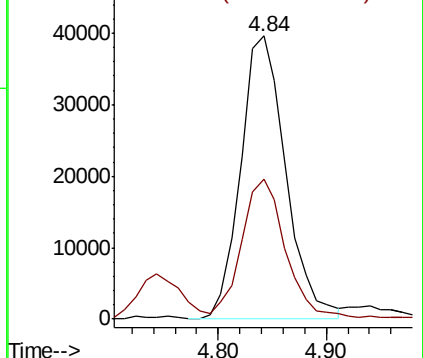
65 100

67 49.5 0.0 96.4



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: 5.59 min Scan# 503

Delta R.T. -0.05 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

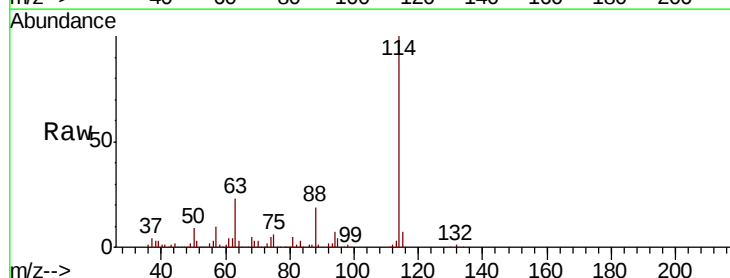
Tgt Ion: 114 Resp: 296353

Ion Ratio Lower Upper

114 100

63 22.5 0.0 41.6

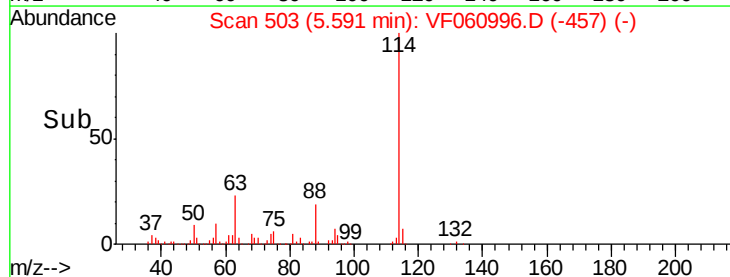
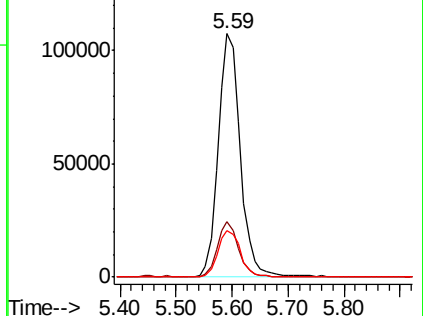
88 19.0 0.0 36.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 51.290 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.04 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

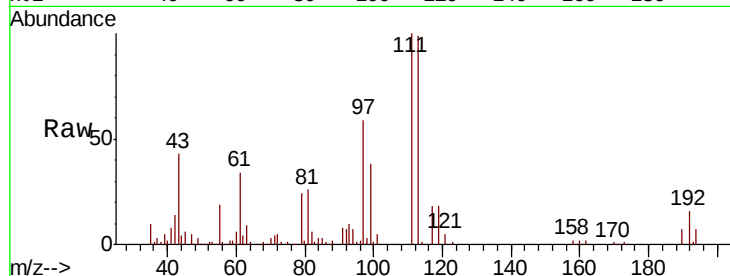
Tot Ion:113 Resp: 120584

Ion Ratio Lower Upper

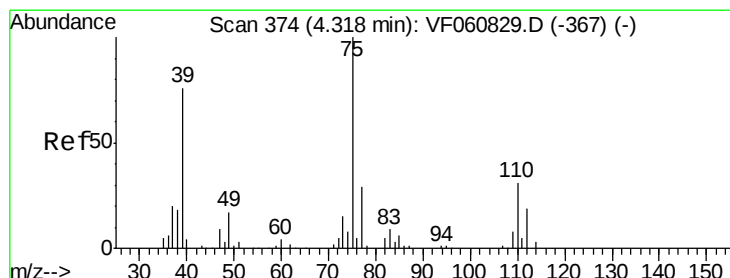
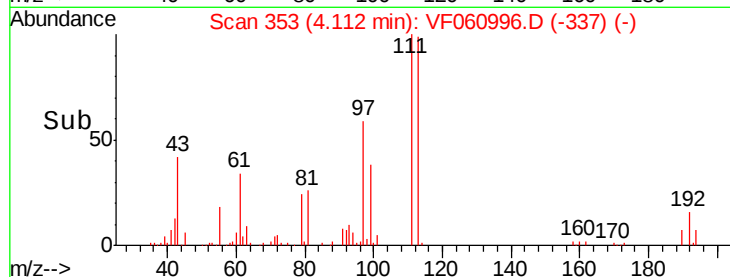
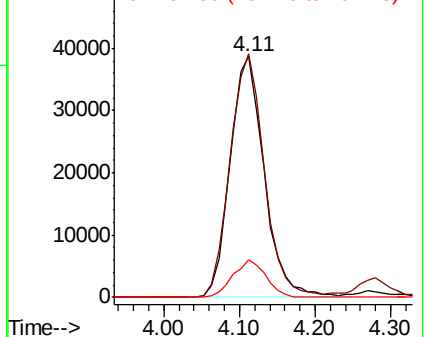
113 100

111 101.0 83.0 124.6

192 15.8 12.3 18.5



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: 47.971 ug/l

RT: 4.28 min Scan# 370

Delta R.T. -0.04 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

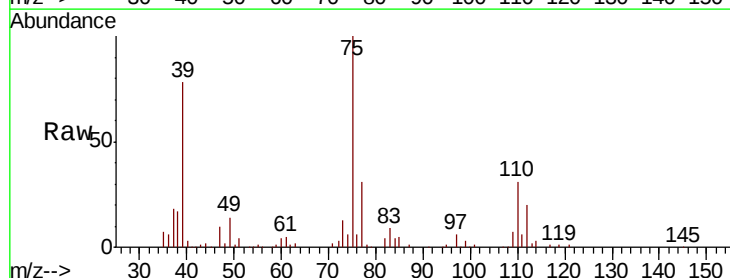
Tgt Ion: 75 Resp: 157684

Ion Ratio Lower Upper

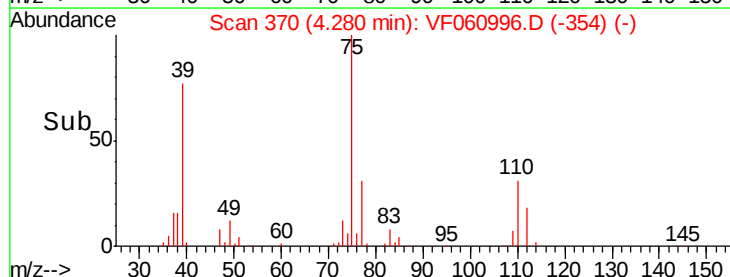
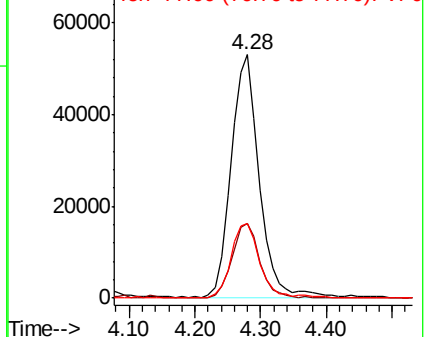
75 100

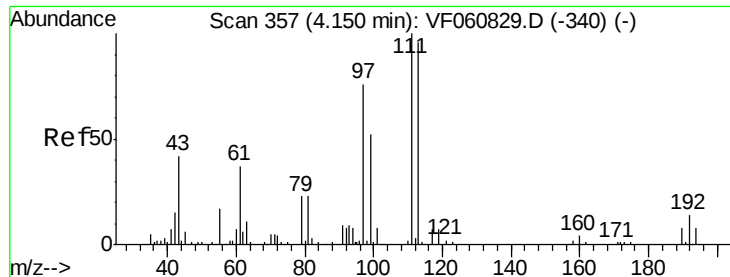
110 30.6 15.6 46.8

77 30.7 23.4 35.0



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

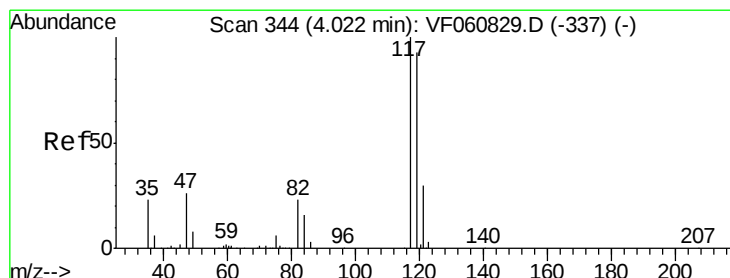
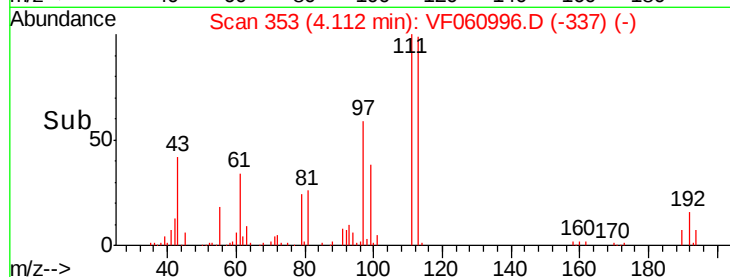
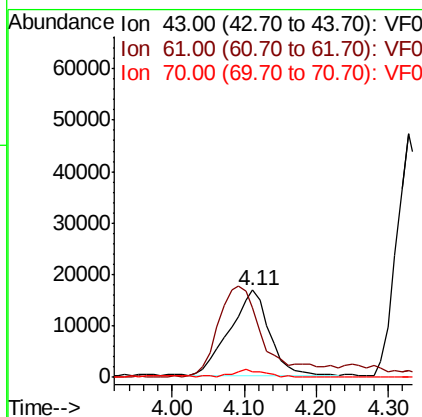
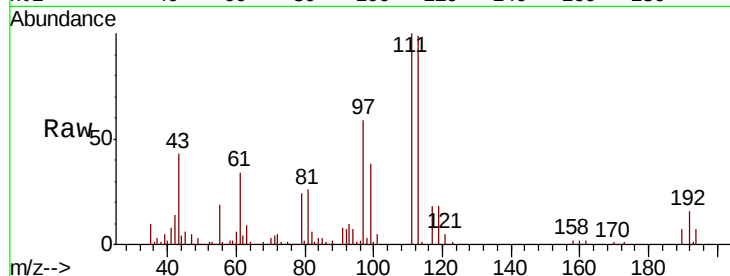




#37
Ethyl Acetate
Concen: 47.390 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.04 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

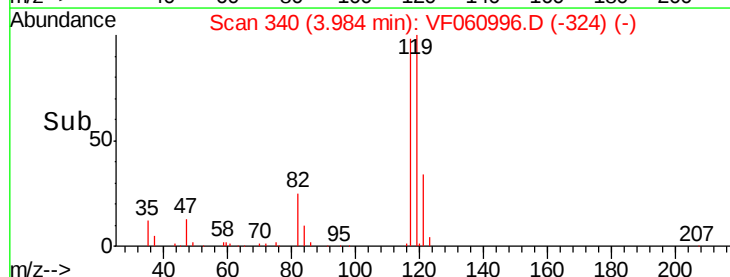
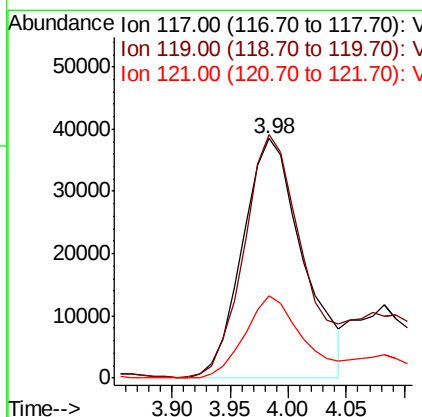
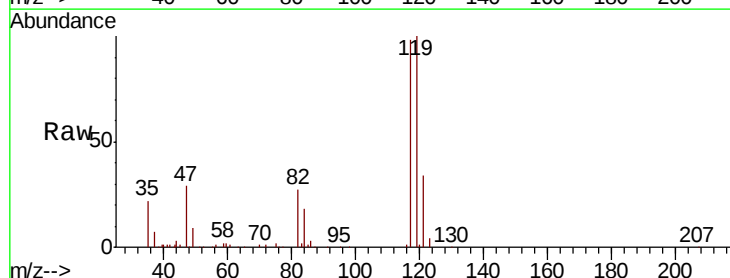
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

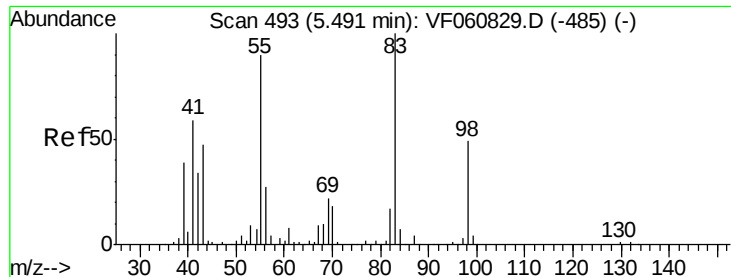
Tot Ion: 43 Resp: 63302
Ion Ratio Lower Upper
43 100
61 79.4 68.6 103.0
70 6.9 9.0 13.4#



#38
Carbon Tetrachloride
Concen: 47.677 ug/l
RT: 3.98 min Scan# 340
Delta R.T. -0.04 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

Tgt Ion: 117 Resp: 138419
Ion Ratio Lower Upper
117 100
119 101.7 74.4 111.6
121 34.6 23.5 35.3

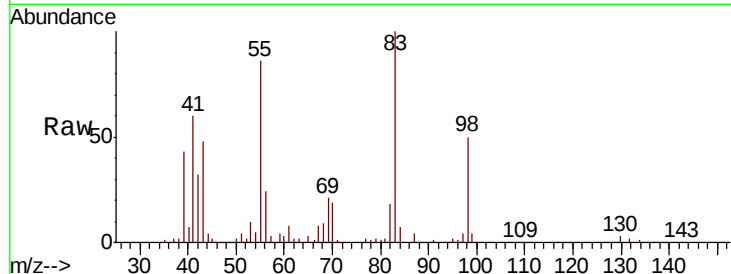




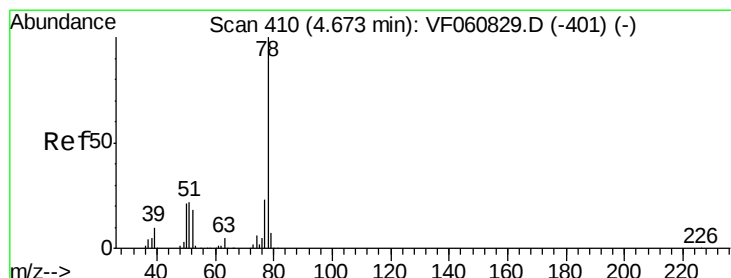
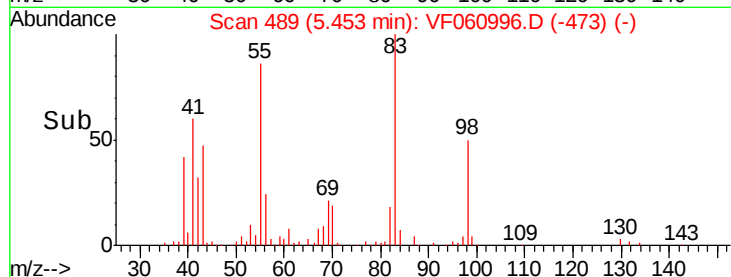
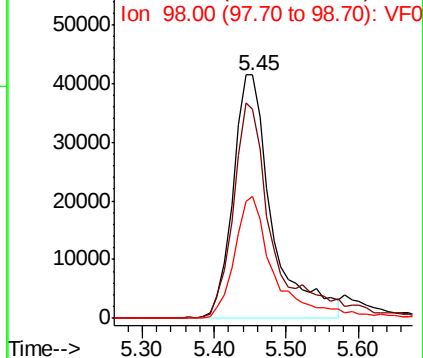
#39
Methvlcvclohexane
Concen: 45.452 ug/l
RT: 5.45 min Scan# 489
Delta R.T. -0.04 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 156572
Ion Ratio Lower Upper
83 100
55 86.1 72.1 108.1
98 50.1 39.1 58.7

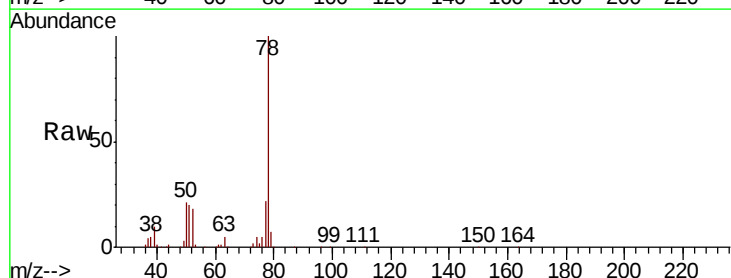


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

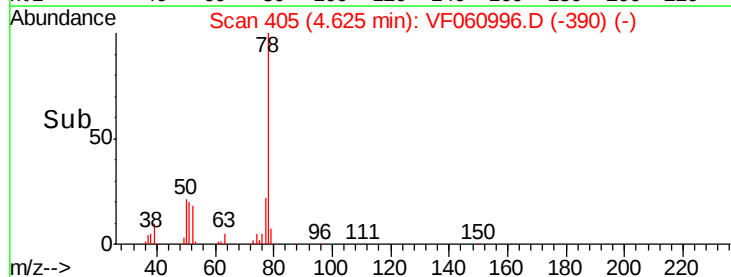
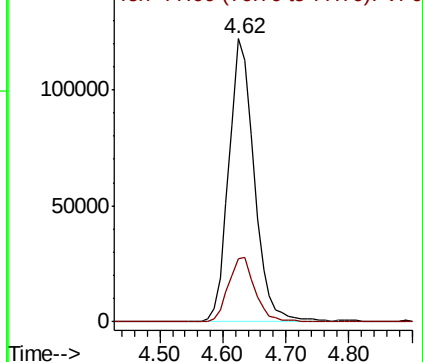


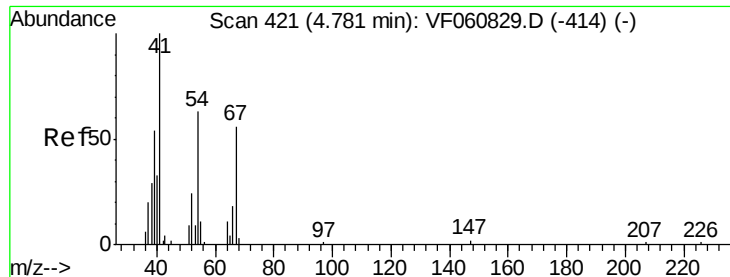
#40
Benzene
Concen: 46.903 ug/l
RT: 4.62 min Scan# 405
Delta R.T. -0.05 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

Tgt Ion: 78 Resp: 340597
Ion Ratio Lower Upper
78 100
77 22.5 18.7 28.1



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

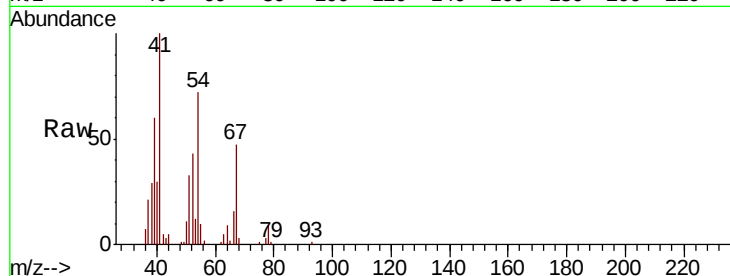




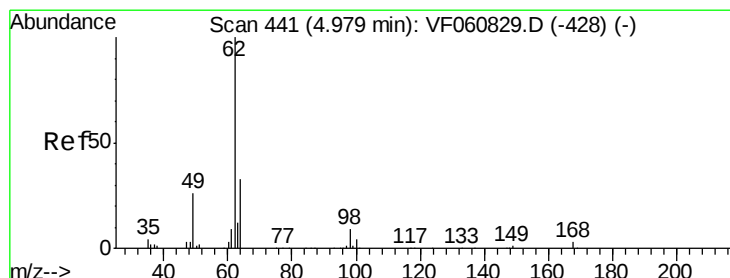
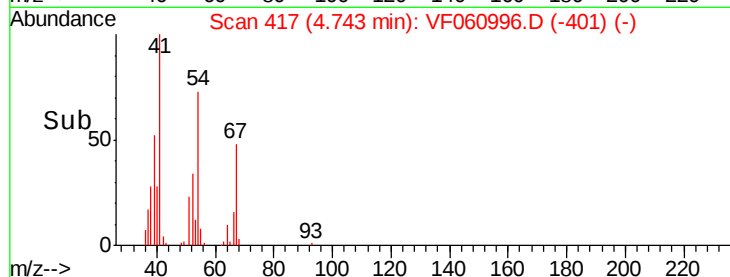
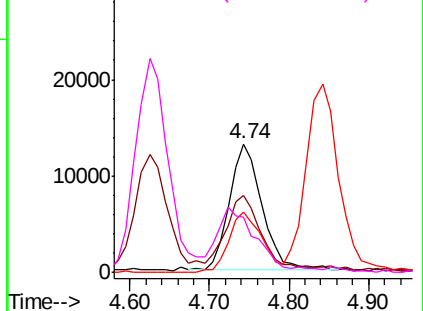
#41
Methacrylonitrile
Concen: 54.636 ug/l
RT: 4.74 min Scan# 417
Delta R.T. -0.04 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	37537
Ion	Ratio	Lower	Upper
41	100		
39	60.1	53.0	79.6
67	47.3	43.8	65.6
52	43.3	37.8	56.8

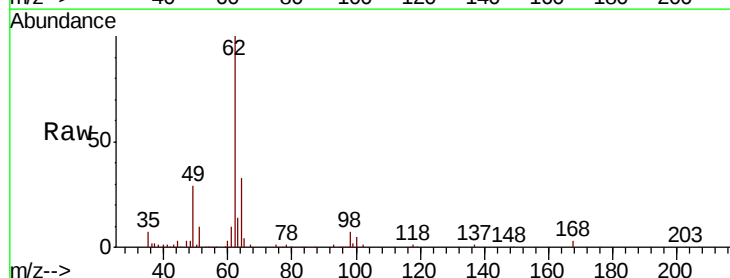


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

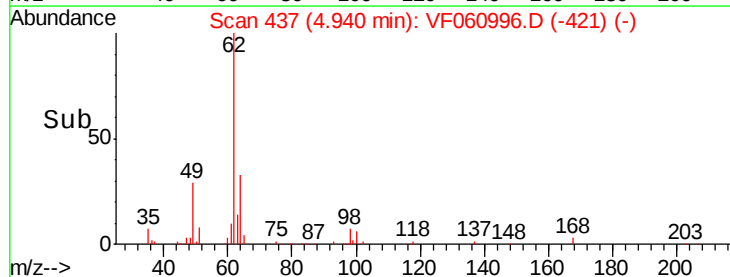
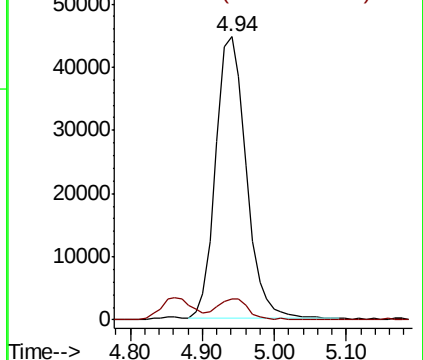


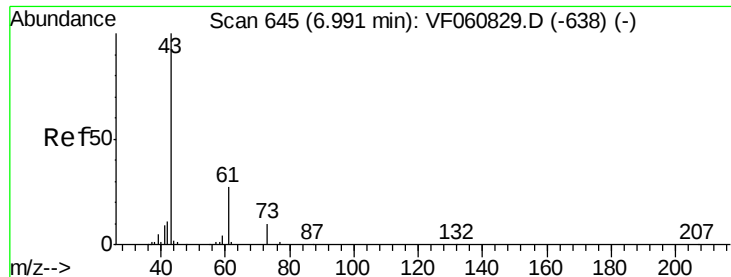
#42
1,2-Dichloroethane
Concen: 49.372 ug/l
RT: 4.94 min Scan# 437
Delta R.T. -0.04 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

Tgt Ion:	62	Resp:	130892
Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	17.2



Abundance Ion 62.00 (61.70 to 62.70): VF0
Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 50.958 ug/l

RT: 6.95 min Scan# 641

Delta R.T. -0.04 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

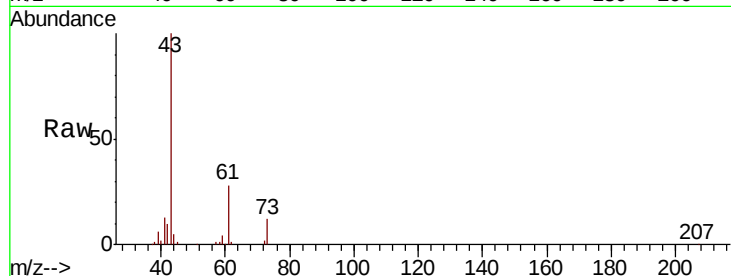
Tot Ion: 43 Resp: 83898

Ion Ratio Lower Upper

43 100

61 27.8 21.4 32.0

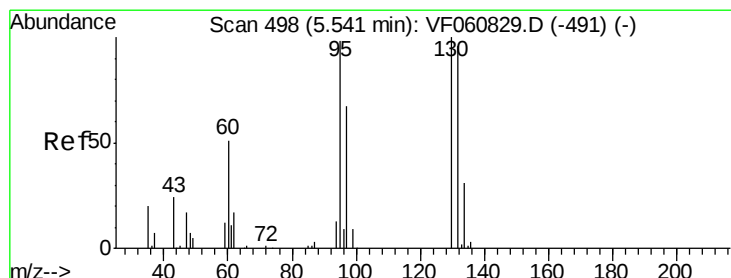
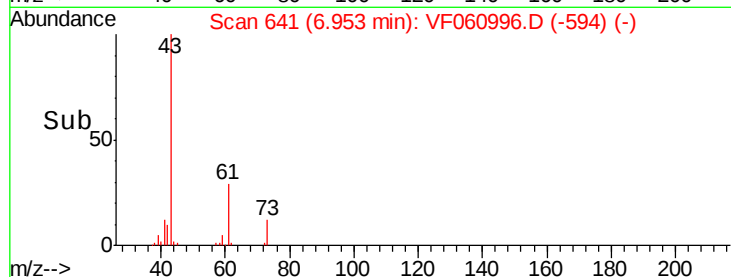
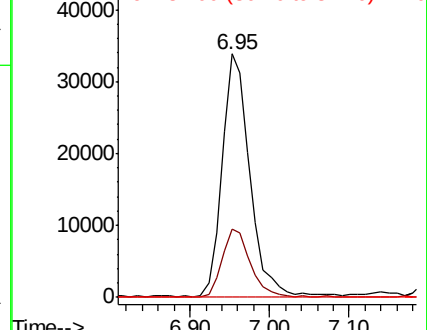
87 0.0 0.2 0.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 47.889 ug/l

RT: 5.50 min Scan# 494

Delta R.T. -0.04 min

Lab File: VF060996.D

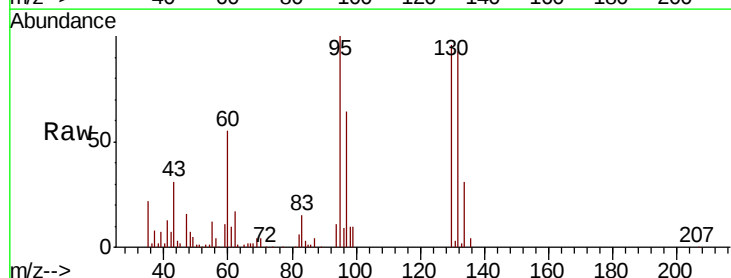
Acq: 12 Dec 2018 15:08

Tgt Ion:130 Resp: 113706

Ion Ratio Lower Upper

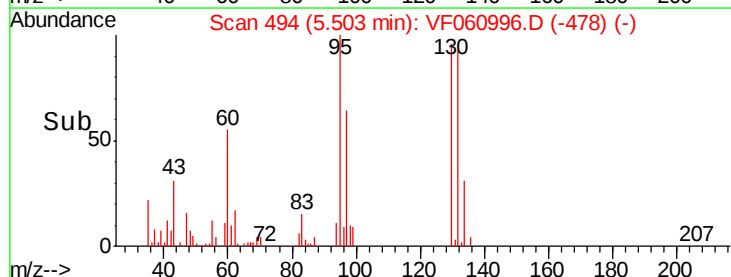
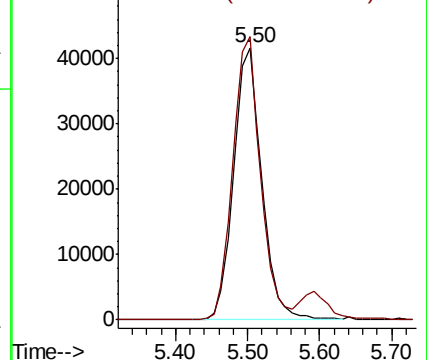
130 100

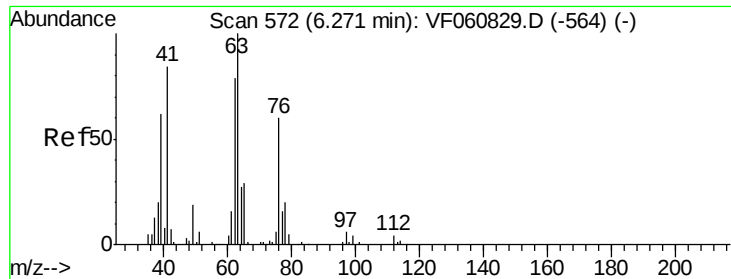
95 103.9 0.0 195.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

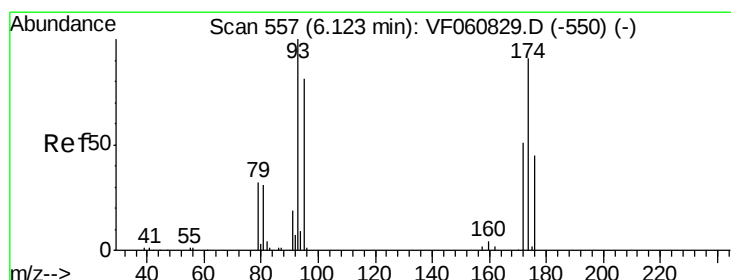
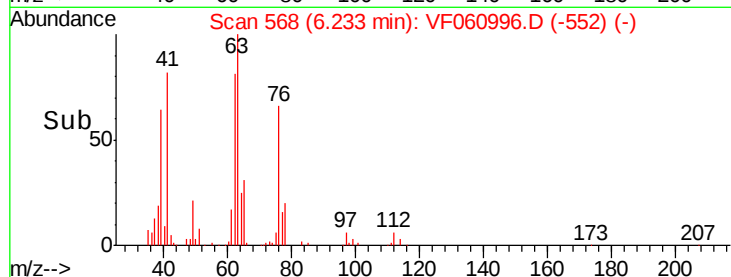
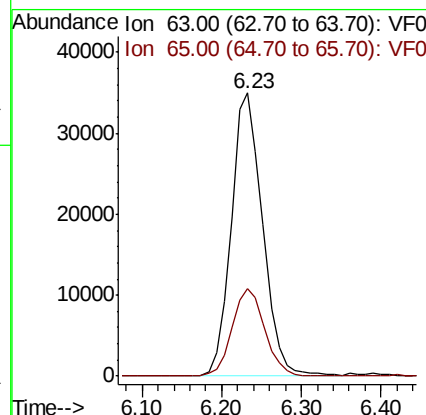
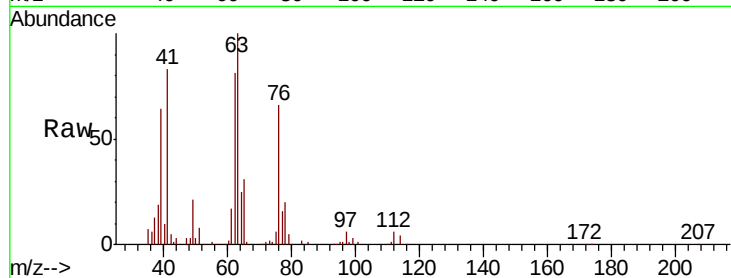




#45
 1,2-Dichloropropane
 Concen: 50.951 ug/l
 RT: 6.23 min Scan# 568
 Delta R.T. -0.04 min
 Lab File: VF060996.D
 Acq: 12 Dec 2018 15:08

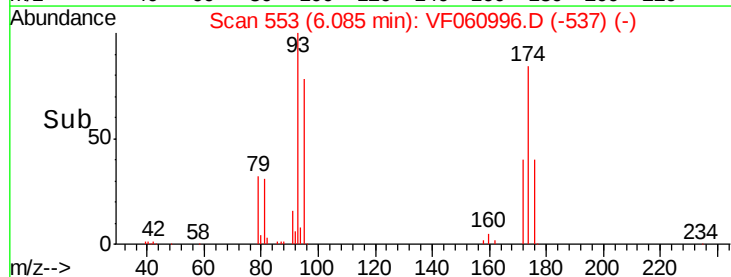
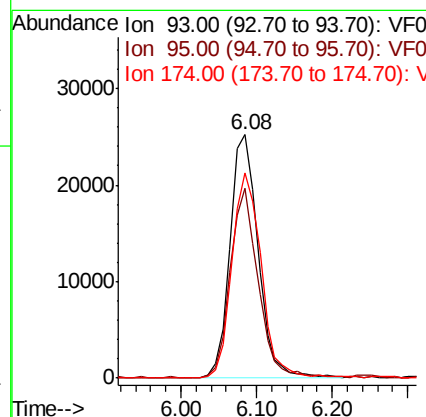
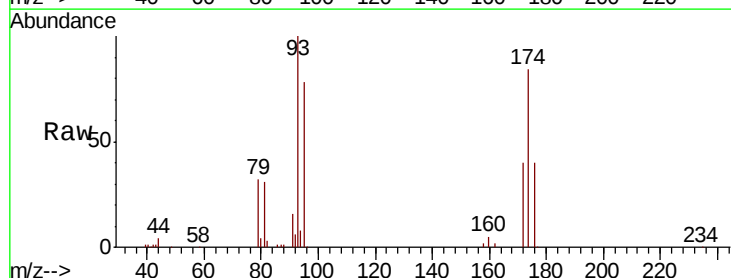
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

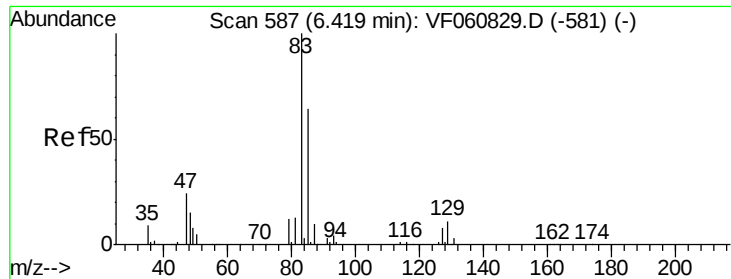
Tot Ion: 63 Resp: 96093
 Ion Ratio Lower Upper
 63 100
 65 30.8 23.2 34.8



#46
 Dibromomethane
 Concen: 50.718 ug/l
 RT: 6.08 min Scan# 553
 Delta R.T. -0.04 min
 Lab File: VF060996.D
 Acq: 12 Dec 2018 15:08

Tgt Ion: 93 Resp: 64887
 Ion Ratio Lower Upper
 93 100
 95 77.9 64.7 97.1
 174 84.2 73.0 109.6





#47

Bromodichloromethane

Concen: 52.532 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.04 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

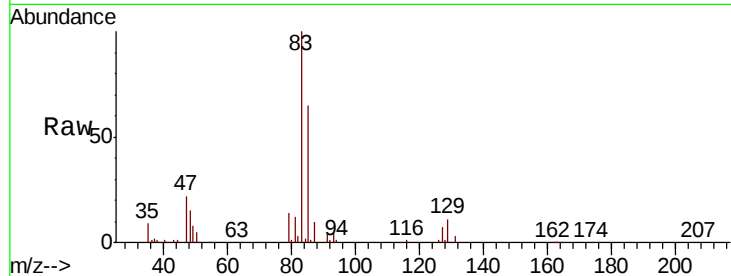
Tot Ion: 83 Resp: 178504

Ion Ratio Lower Upper

83 100

85 65.2 51.1 76.7

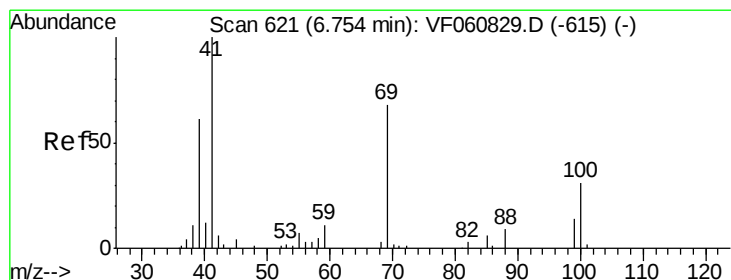
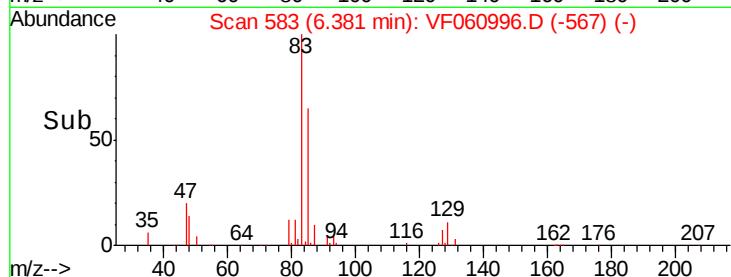
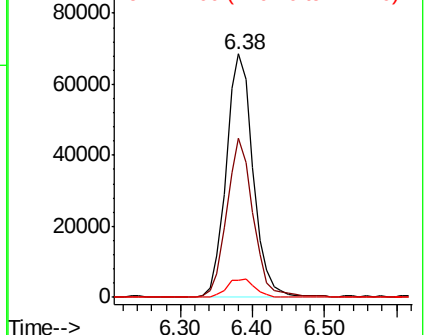
127 7.0 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 50.765 ug/l

RT: 6.72 min Scan# 617

Delta R.T. -0.04 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

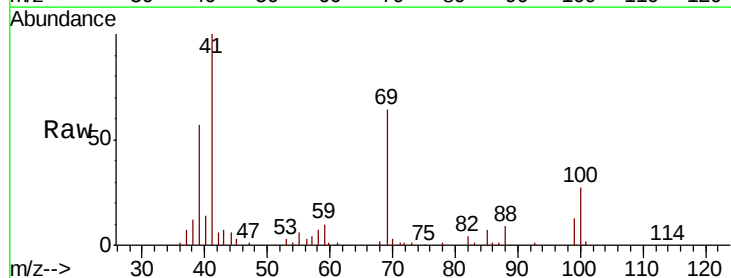
Tgt Ion: 41 Resp: 61380

Ion Ratio Lower Upper

41 100

69 64.2 53.9 80.9

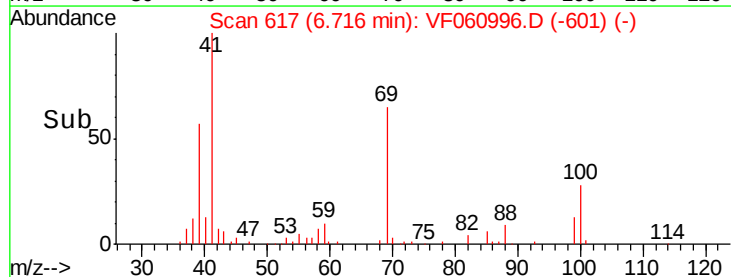
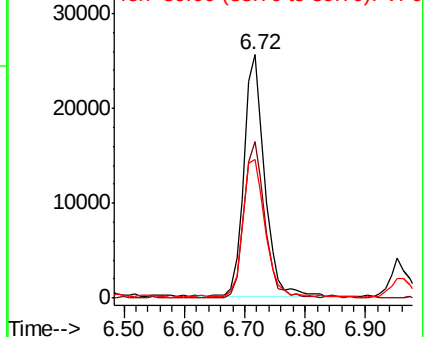
39 56.9 49.0 73.6

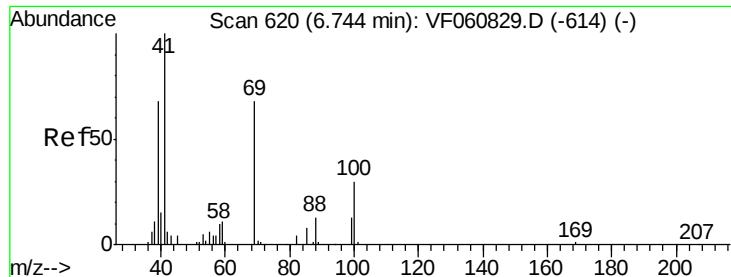


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 823.364 ug/l

RT: 6.70 min Scan# 615

Delta R.T. -0.05 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

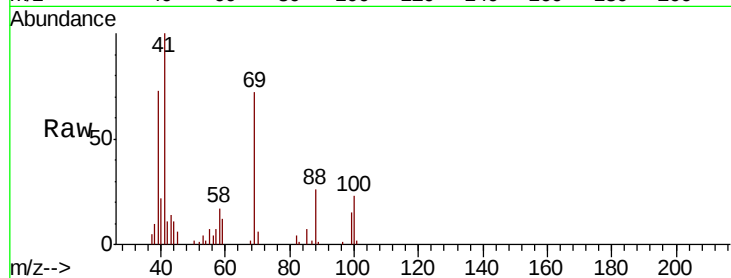
Tot Ion: 88 Resp: 7286

Ion Ratio Lower Upper

88 100

43 55.6 42.0 63.0

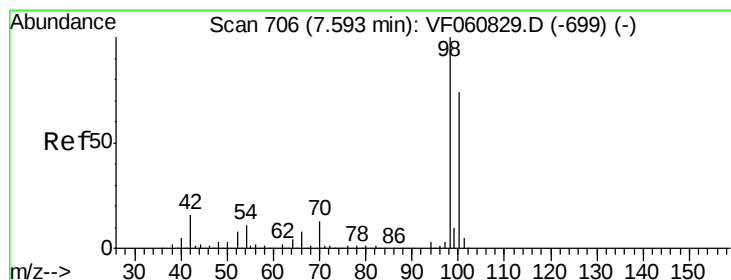
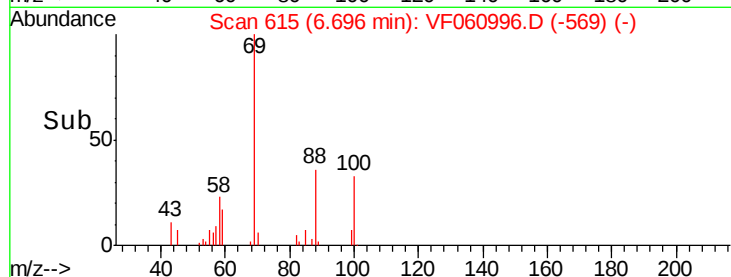
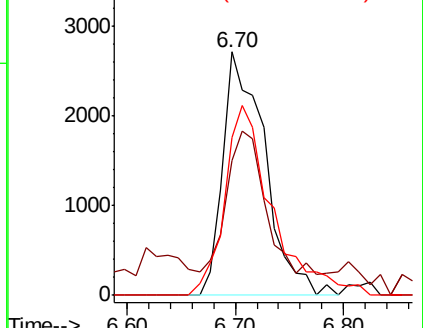
58 64.7 61.8 92.8



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 50.352 ug/l

RT: 7.54 min Scan# 701

Delta R.T. -0.05 min

Lab File: VF060996.D

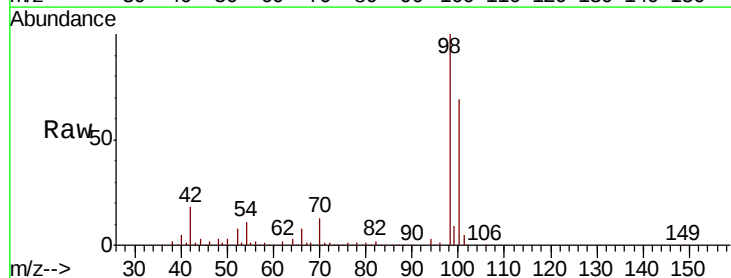
Acq: 12 Dec 2018 15:08

Tgt Ion: 98 Resp: 348712

Ion Ratio Lower Upper

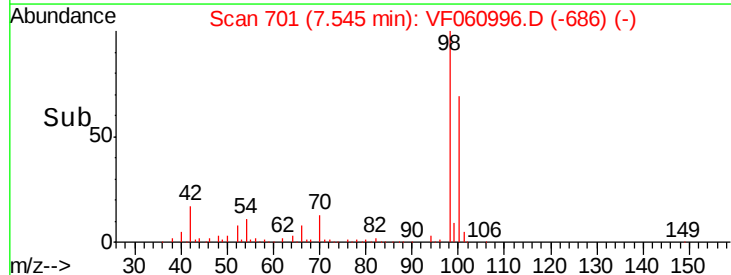
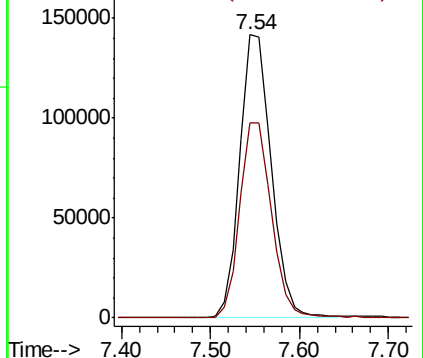
98 100

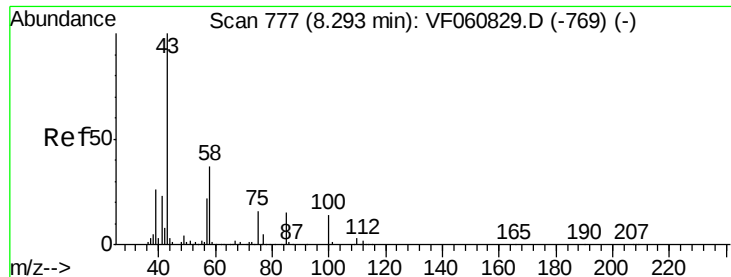
100 69.0 59.3 88.9



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: 247.904 ug/l

RT: 8.25 min Scan# 773

Delta R.T. -0.04 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Instrument :

MSVOA_F

ClientSampleId :

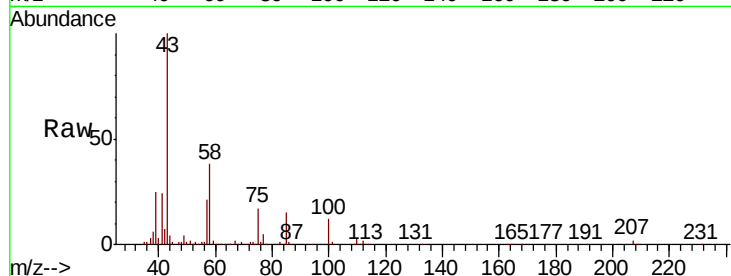
VSTDCCC050

Tot Ion: 43 Resp: 305366

Ion Ratio Lower Upper

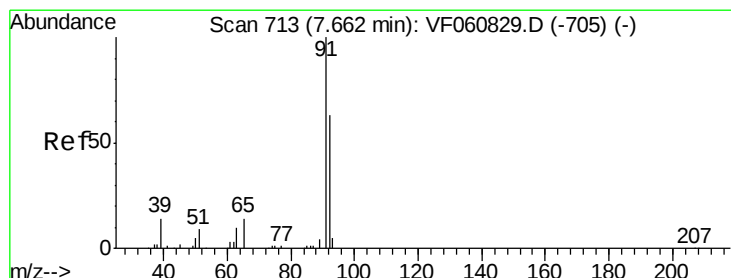
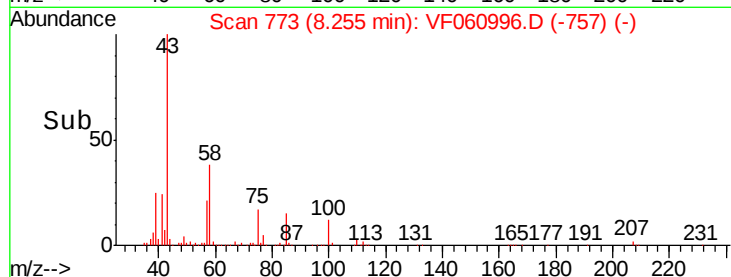
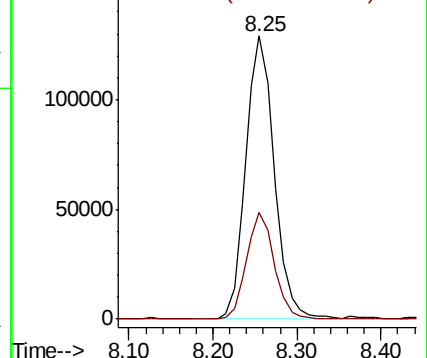
43 100

58 37.8 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 46.908 ug/l

RT: 7.62 min Scan# 709

Delta R.T. -0.04 min

Lab File: VF060996.D

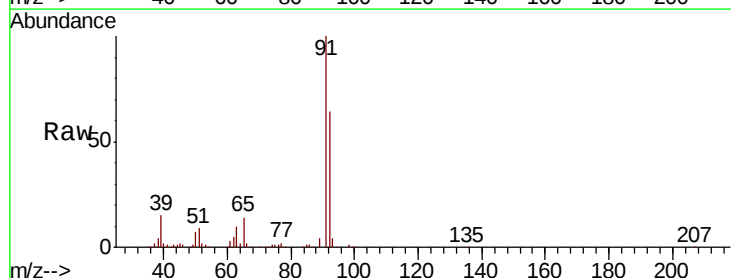
Acq: 12 Dec 2018 15:08

Tgt Ion: 92 Resp: 239266

Ion Ratio Lower Upper

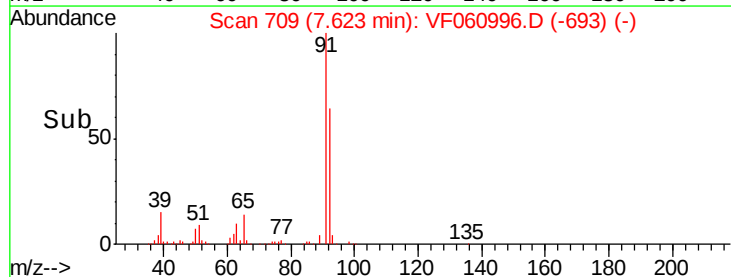
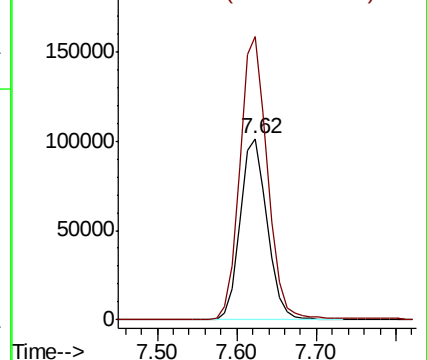
92 100

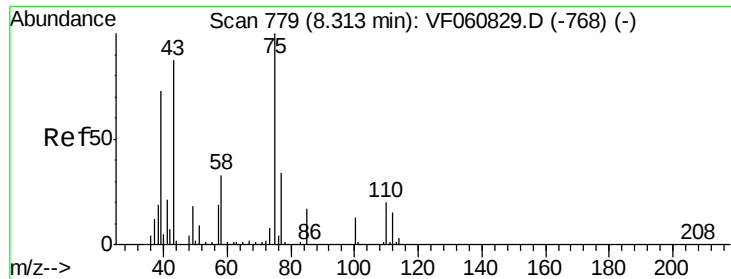
91 156.1 126.2 189.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 50.600 ug/l

RT: 8.27 min Scan# 775

Delta R.T. -0.04 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Instrument :

MSVOA_F

ClientSampleId :

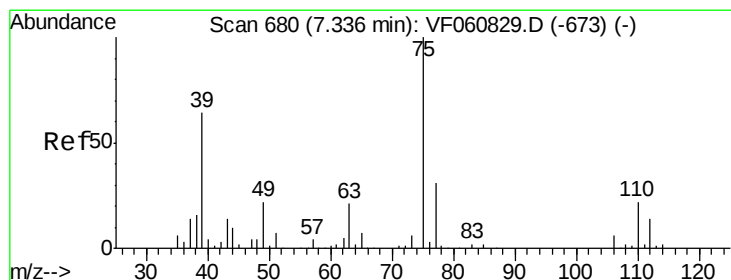
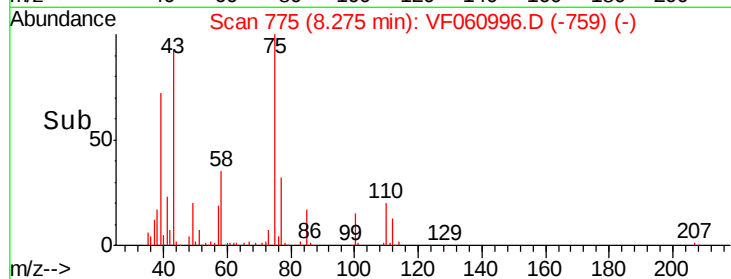
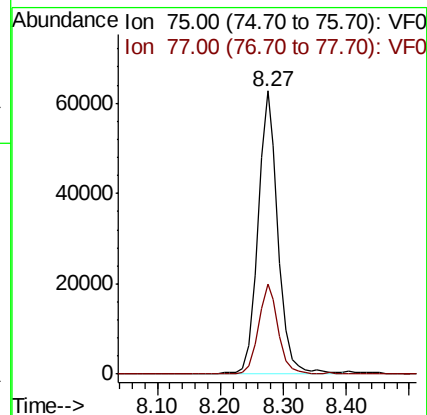
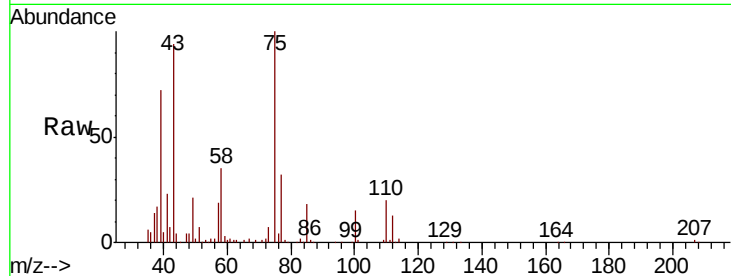
VSTDCCC050

Tot Ion: 75 Resp: 139858

Ion Ratio Lower Upper

75 100

77 32.0 27.4 41.2



#54

cis-1,3-Dichloropropene

Concen: 49.205 ug/l

RT: 7.30 min Scan# 676

Delta R.T. -0.04 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

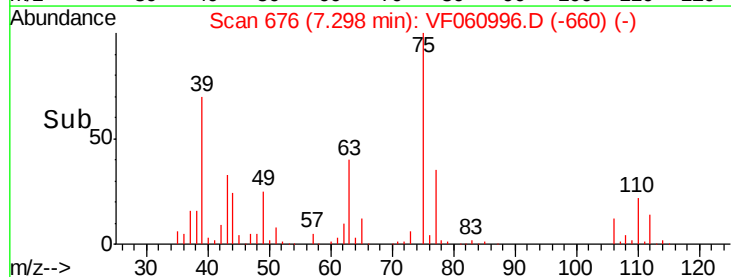
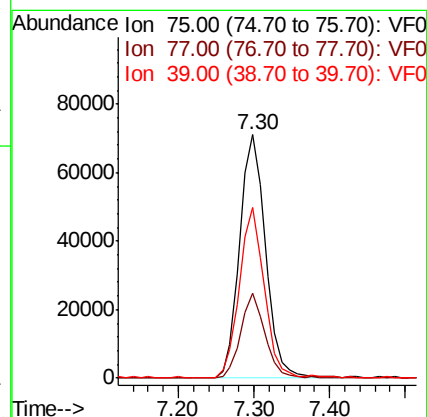
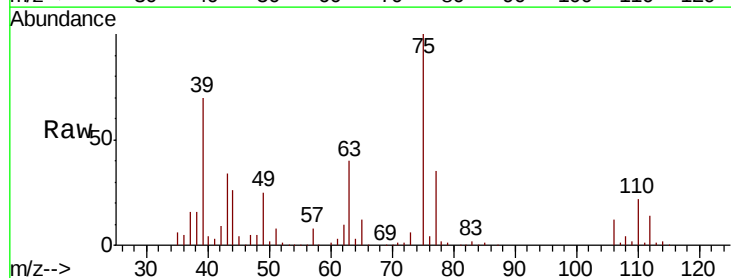
Tgt Ion: 75 Resp: 168369

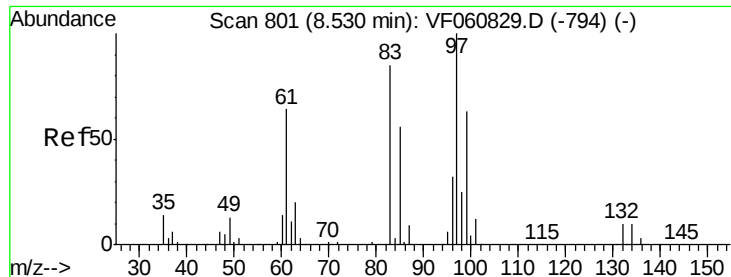
Ion Ratio Lower Upper

75 100

77 35.0 25.0 37.6

39 70.0 51.1 76.7





#55

1,1,2-Trichloroethane

Concen: 49.682 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.04 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 73842

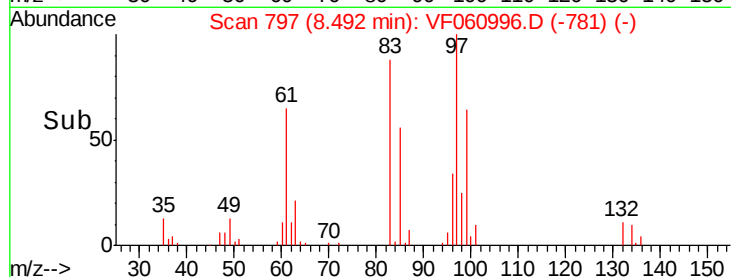
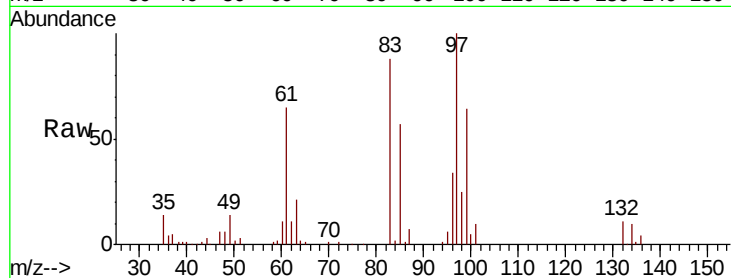
Ion	Ratio	Lower	Upper
97	100		
83	87.9	67.8	101.6
85	56.7	45.0	67.6
99	64.2	50.5	75.7

97 100

83 87.9 67.8 101.6

85 56.7 45.0 67.6

99 64.2 50.5 75.7

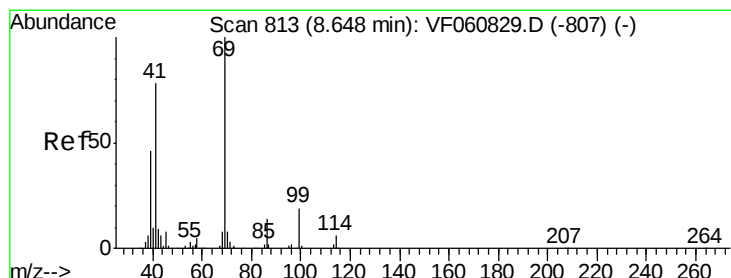
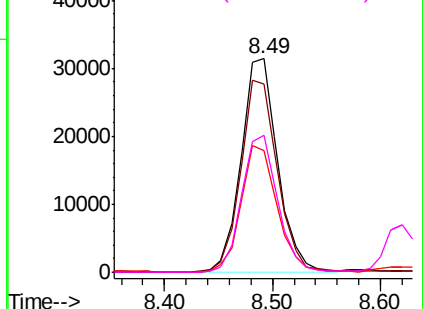


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 49.964 ug/l

RT: 8.62 min Scan# 810

Delta R.T. -0.03 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

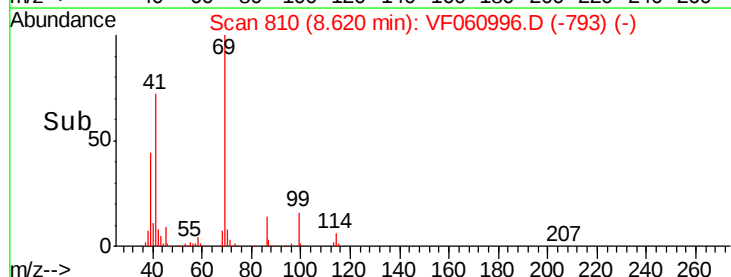
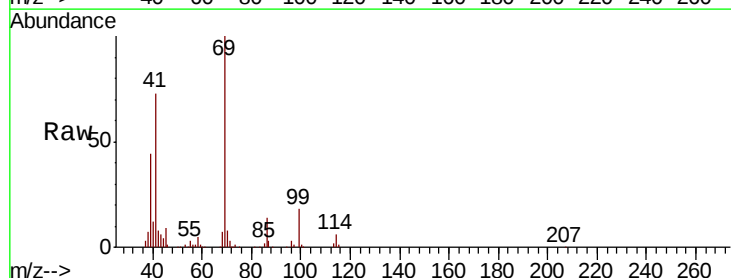
Tgt Ion: 69 Resp: 82495

Ion	Ratio	Lower	Upper
69	100		
41	73.4	62.6	94.0
39	44.5	37.8	56.6

69 100

41 73.4 62.6 94.0

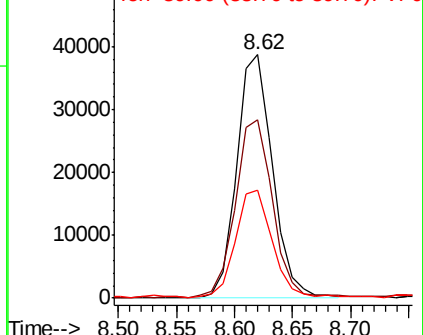
39 44.5 37.8 56.6

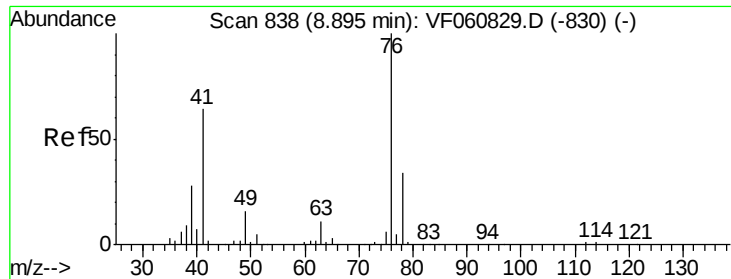


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 51.205 ug/l

RT: 8.85 min Scan# 833

Delta R.T. -0.05 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Instrument :

MSVOA_F

ClientSampleId :

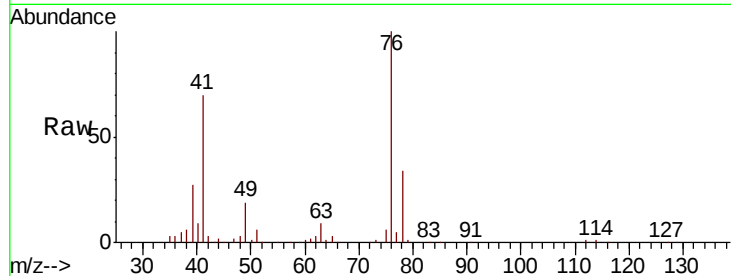
VSTDCCC050

Tot Ion: 76 Resp: 133150

Ion Ratio Lower Upper

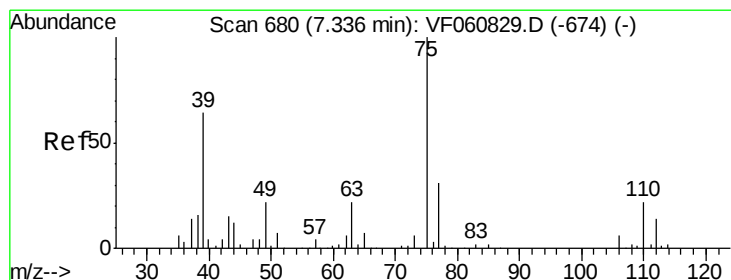
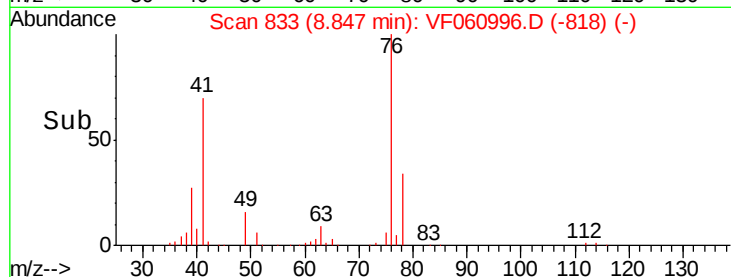
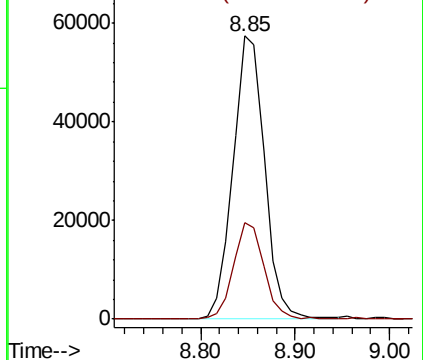
76 100

78 34.2 27.0 40.4



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 424.289 ug/l

RT: 7.29 min Scan# 675

Delta R.T. -0.05 min

Lab File: VF060996.D

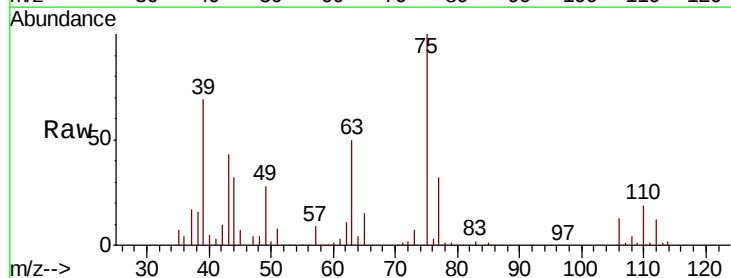
Acq: 12 Dec 2018 15:08

Tgt Ion: 63 Resp: 71655

Ion Ratio Lower Upper

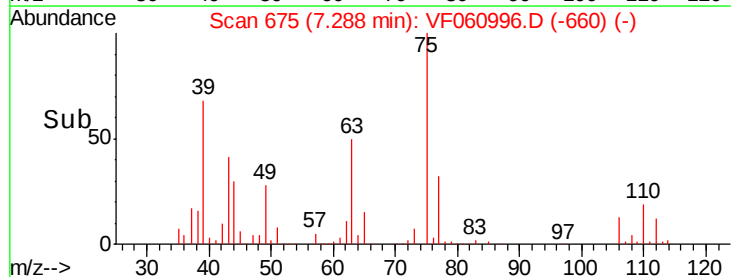
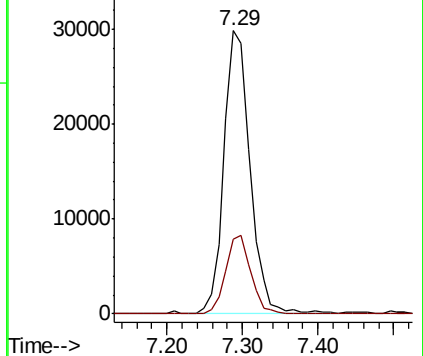
63 100

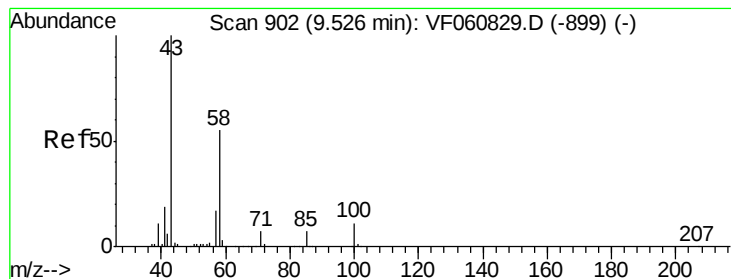
106 26.5 23.0 34.6



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





#59

2-Hexanone

Concen: 249.533 ug/l

RT: 9.49 min Scan# 898

Delta R.T. -0.04 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Instrument :

MSVOA_F

ClientSampleId :

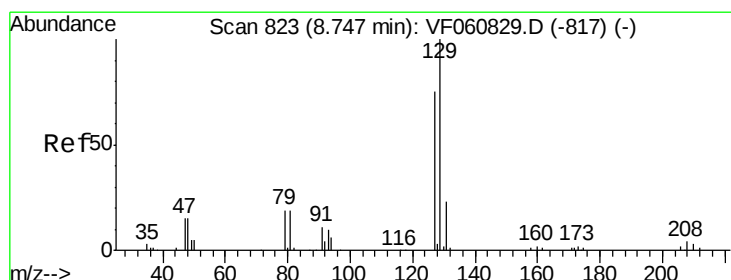
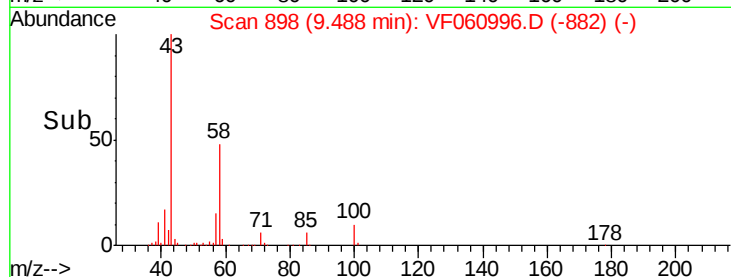
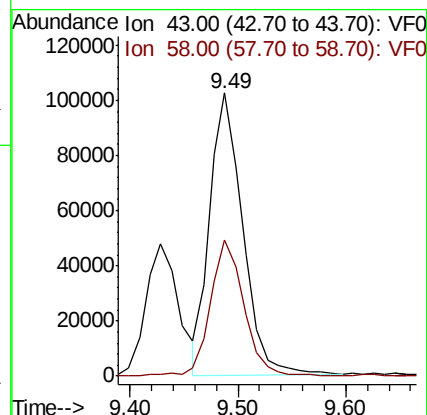
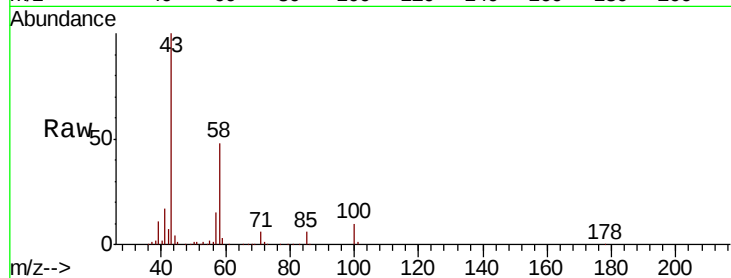
VSTDCCC050

Tot Ion: 43 Resp: 215641

Ion Ratio Lower Upper

43 100

58 48.1 25.6 76.6



#60

Dibromochloromethane

Concen: 50.129 ug/l

RT: 8.72 min Scan# 820

Delta R.T. -0.03 min

Lab File: VF060996.D

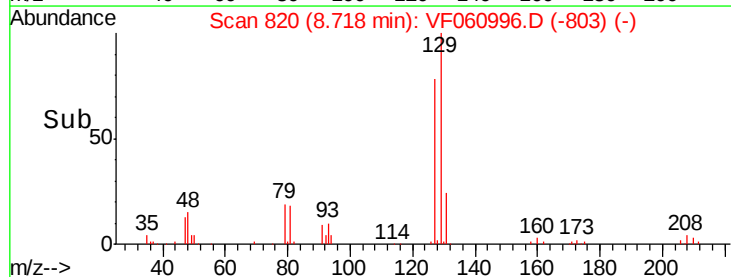
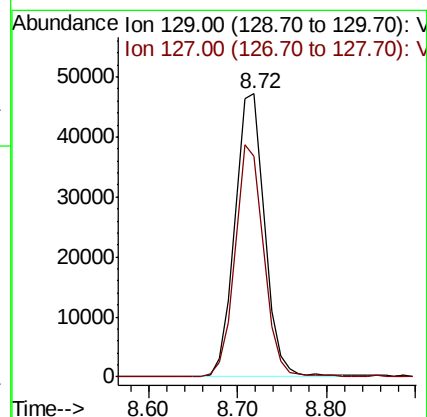
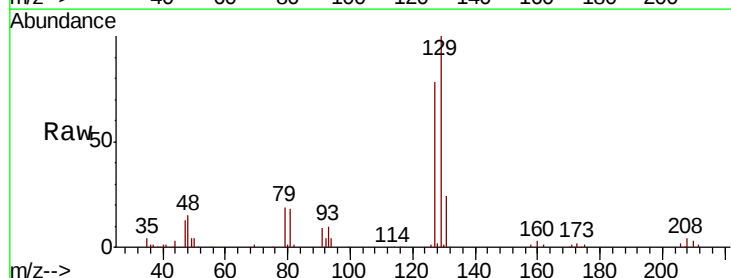
Acq: 12 Dec 2018 15:08

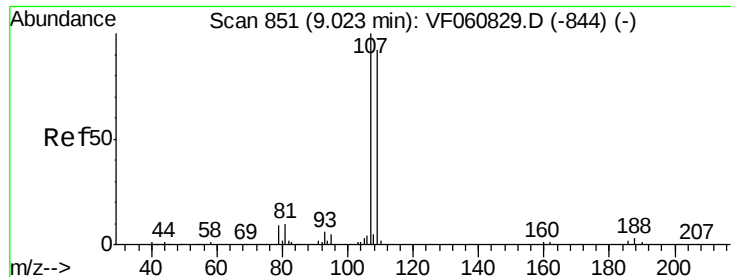
Tgt Ion:129 Resp: 111012

Ion Ratio Lower Upper

129 100

127 78.0 37.3 111.9





#61

1,2-Dibromoethane

Concen: 49.198 ug/l

RT: 8.98 min Scan# 847

Delta R.T. -0.04 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Instrument :

MSVOA_F

ClientSampleId :

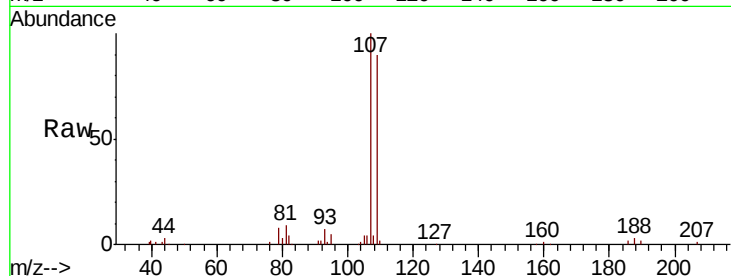
VSTDCCC050

Tot Ion:107 Resp: 78993

Ion Ratio Lower Upper

107 100

109 89.7 73.6 110.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.98

40000

30000

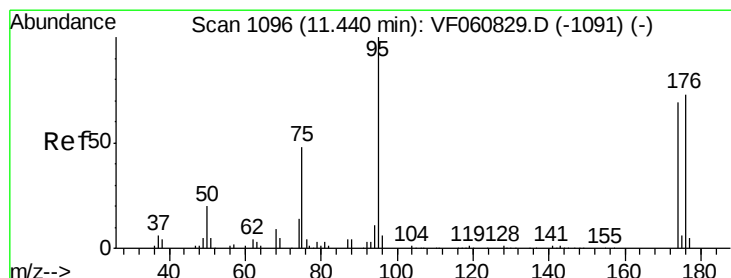
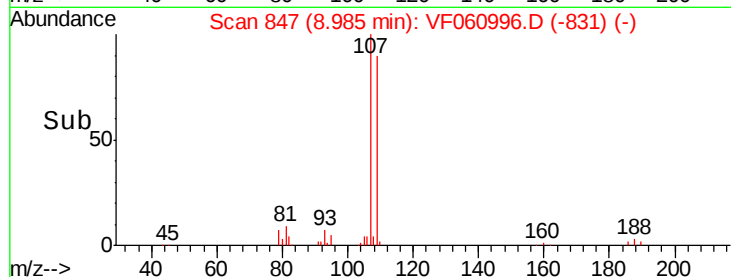
20000

10000

0

Time-->

8.90 9.00 9.10



#62

4-Bromofluorobenzene

Concen: 50.978 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.03 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

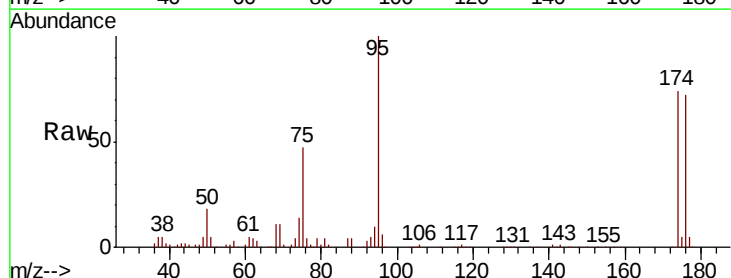
Tgt Ion: 95 Resp: 160454

Ion Ratio Lower Upper

95 100

174 74.4 0.0 138.2

176 72.4 0.0 146.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

11.41

120000

100000

80000

60000

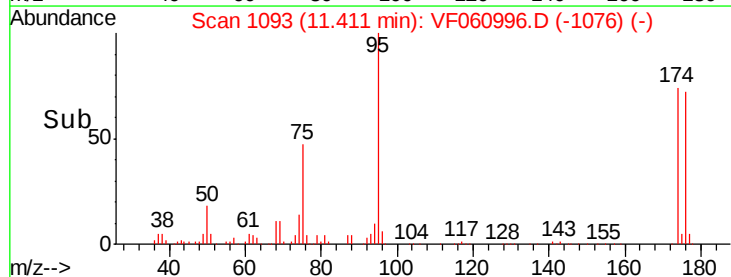
40000

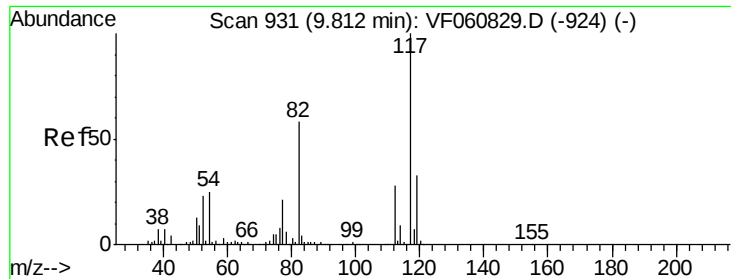
20000

0

Time-->

11.30 11.40 11.50

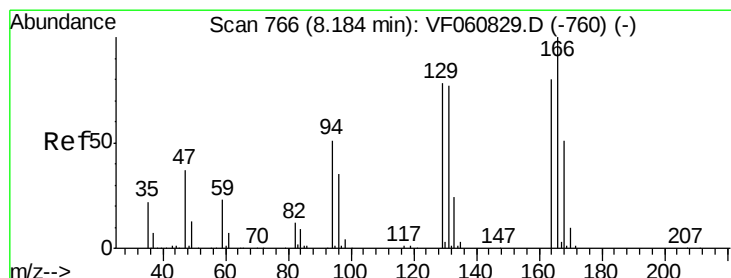
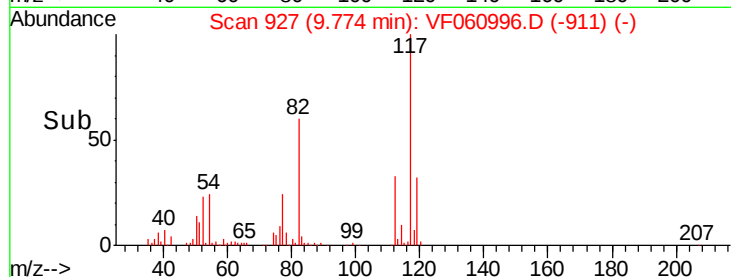
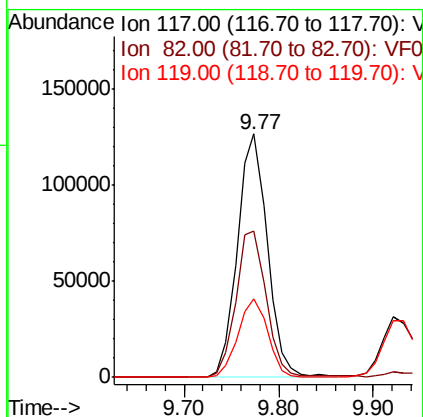
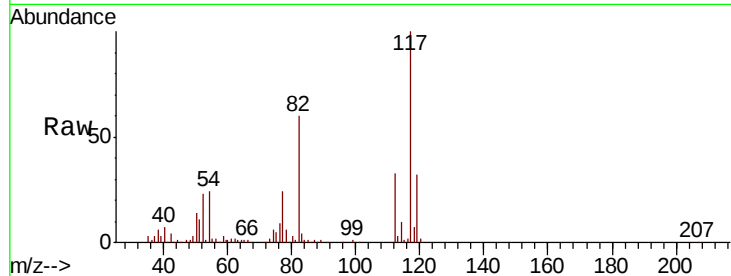




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.04 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

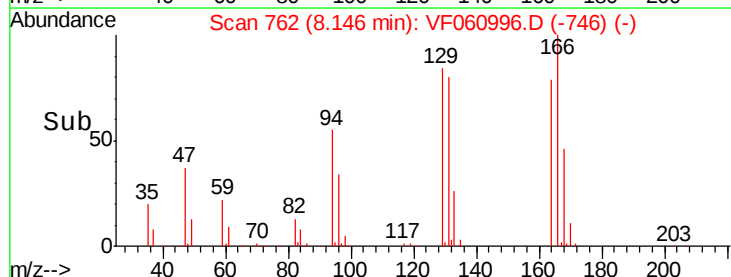
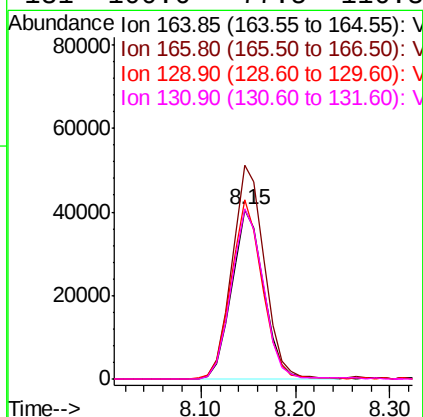
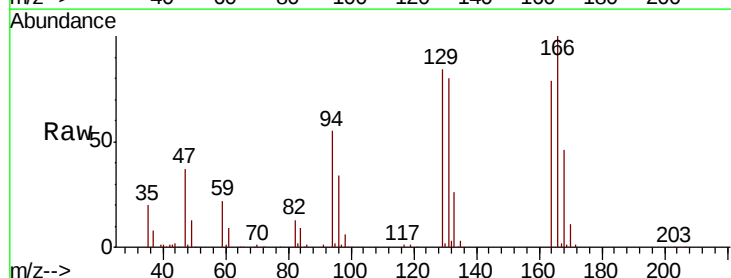
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 277916
Ion Ratio Lower Upper
117 100
82 59.9 46.6 69.8
119 32.4 26.4 39.6



#64
Tetrachloroethene
Concen: 44.528 ug/l
RT: 8.15 min Scan# 762
Delta R.T. -0.04 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

Tgt Ion:164 Resp: 94521
Ion Ratio Lower Upper
164 100
166 126.1 100.3 150.5
129 105.5 77.9 116.9
131 100.6 77.5 116.3

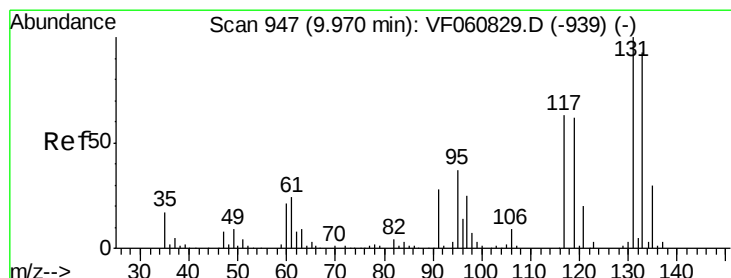
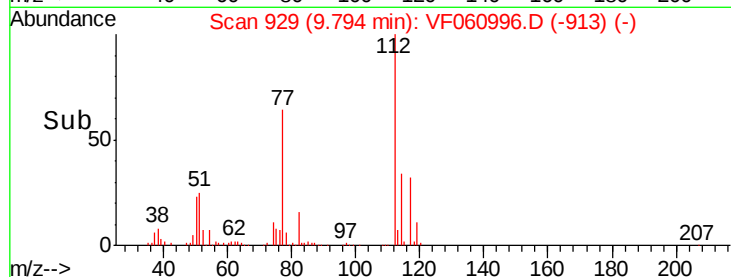
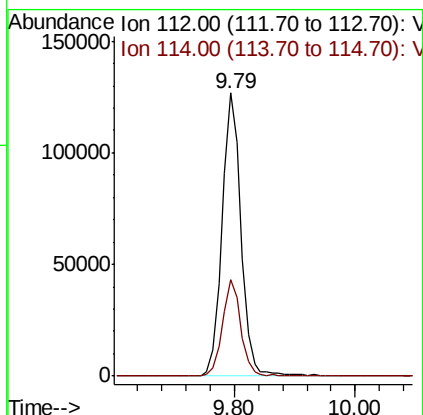
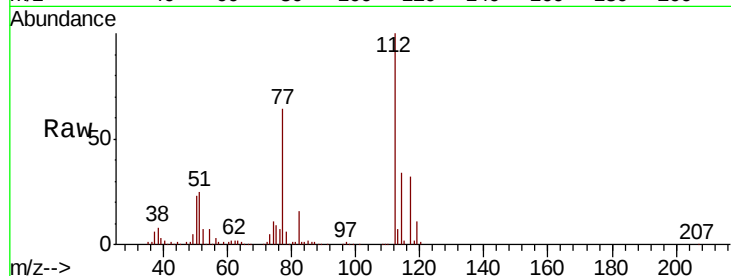




#65
Chlorobenzene
Concen: 51.051 ug/l
RT: 9.79 min Scan# 929
Delta R.T. -0.04 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

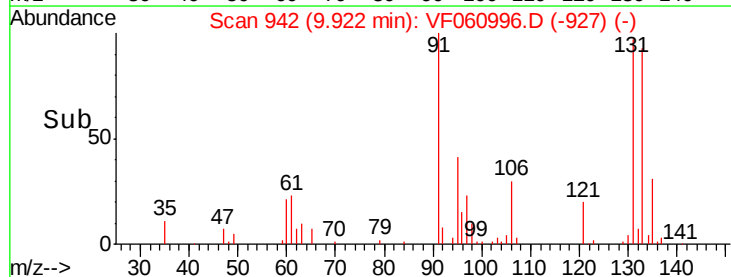
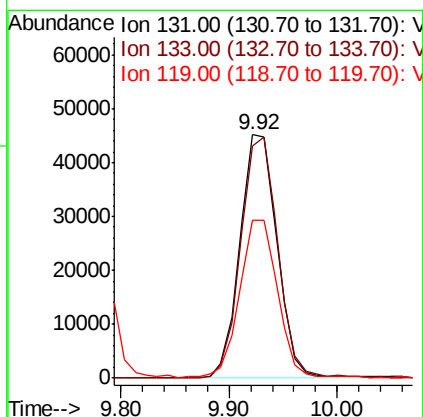
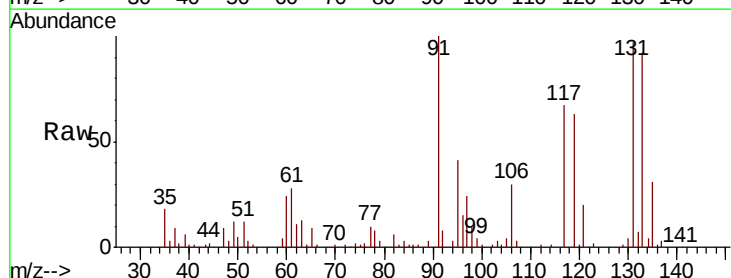
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 276009
Ion Ratio Lower Upper
112 100
114 34.0 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 46.645 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.05 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

Tgt Ion:131 Resp: 108417
Ion Ratio Lower Upper
131 100
133 95.5 46.5 139.3
119 65.0 31.1 93.3

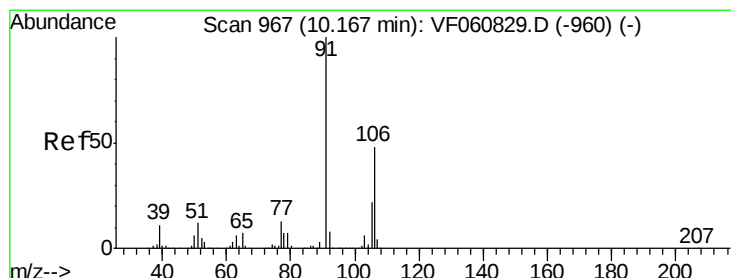
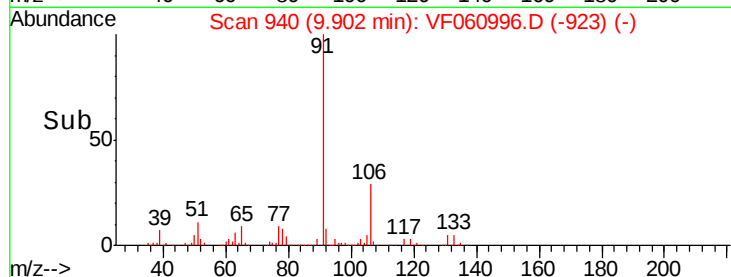
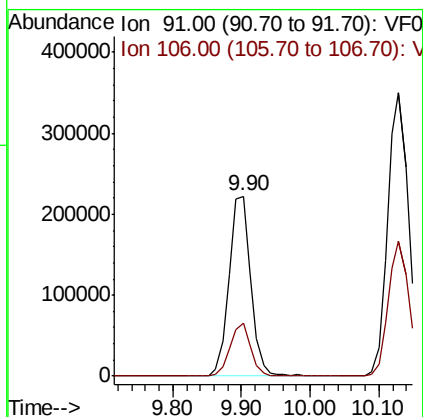
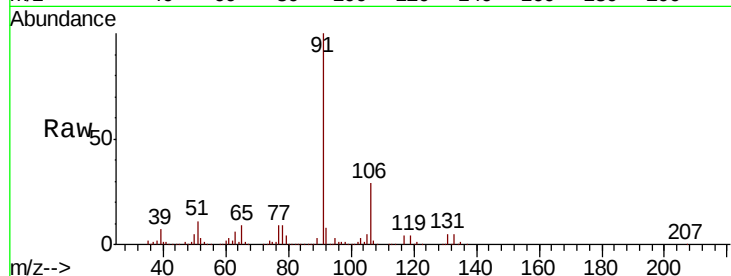




#67
Ethyl Benzene
Concen: 48.582 ug/l
RT: 9.90 min Scan# 940
Delta R.T. -0.03 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

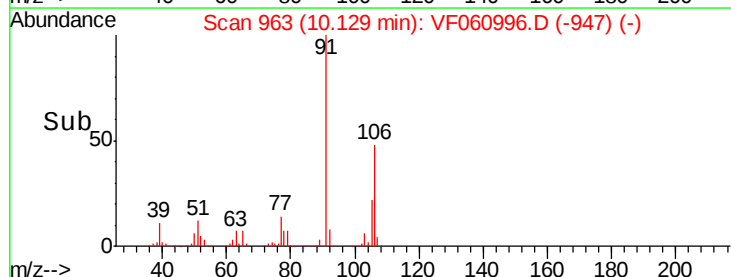
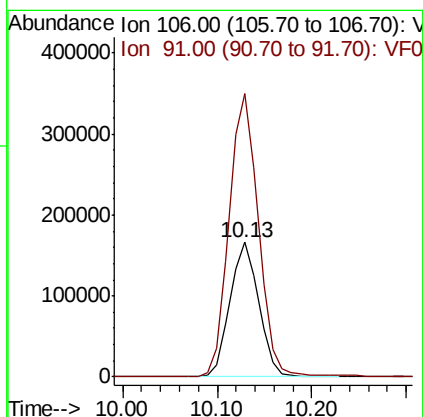
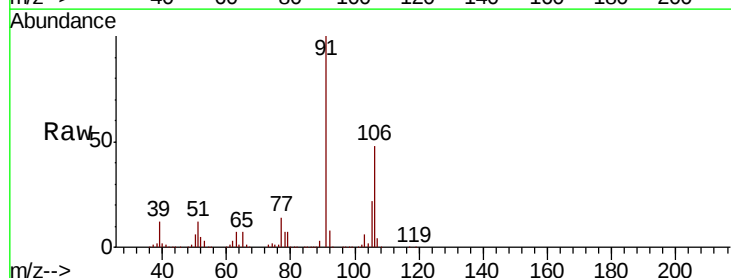
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

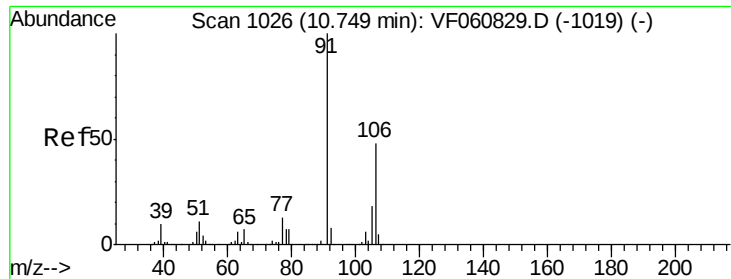
Tot Ion: 91 Resp: 488994
Ion Ratio Lower Upper
91 100
106 29.5 22.2 33.2



#68
m/p-Xylenes
Concen: 97.379 ug/l
RT: 10.13 min Scan# 963
Delta R.T. -0.04 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

Tgt Ion: 106 Resp: 352523
Ion Ratio Lower Upper
106 100
91 210.2 166.7 250.1

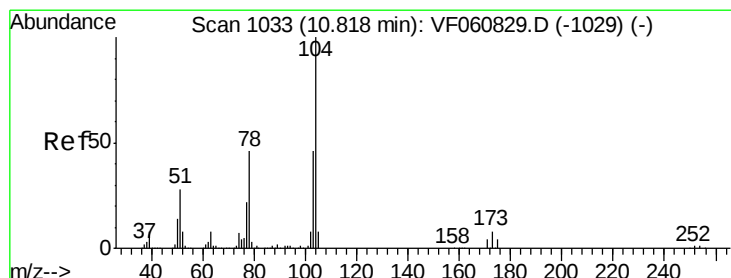
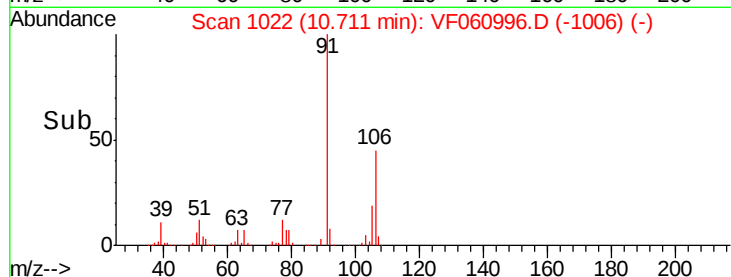
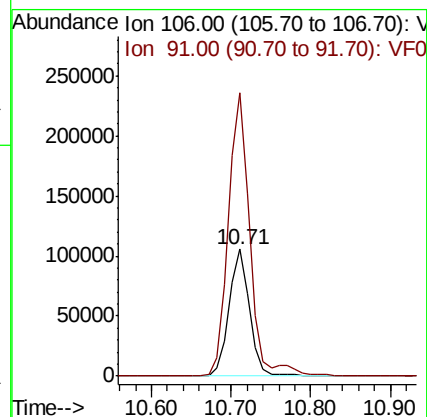
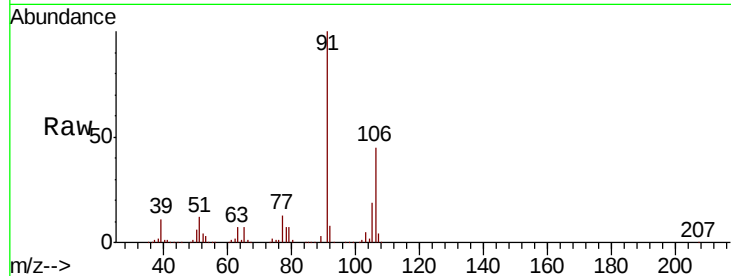




#69
o-Xylene
Concen: 48.501 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.04 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

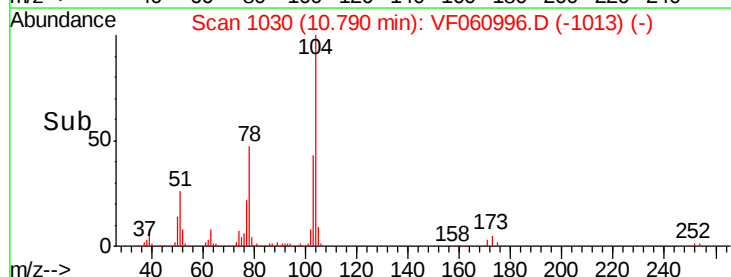
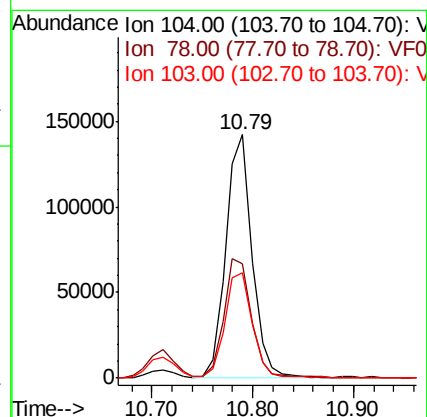
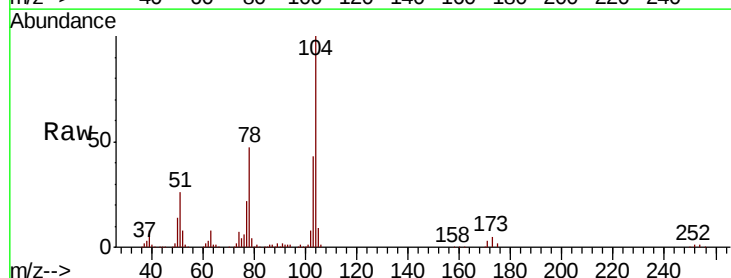
Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 193614
Ion Ratio Lower Upper
106 100
91 223.3 104.8 314.6



#70
Styrene
Concen: 46.381 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.03 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

Tgt Ion:104 Resp: 256656
Ion Ratio Lower Upper
104 100
78 46.9 37.3 55.9
103 43.3 36.8 55.2





#71

Bromoform

Concen: 47.144 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. -0.04 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

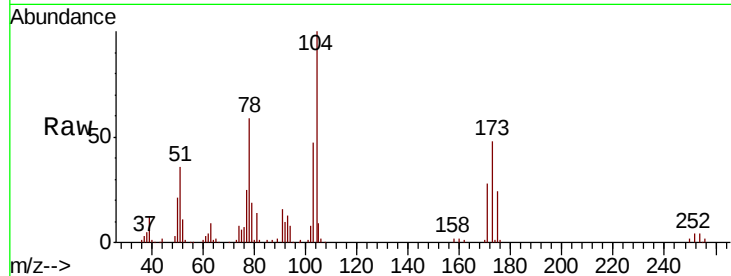
Tot Ion:173 Resp: 52928

Ion Ratio Lower Upper

173 100

175 50.2 25.5 76.5

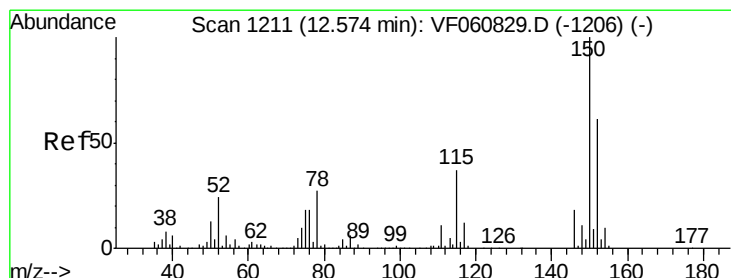
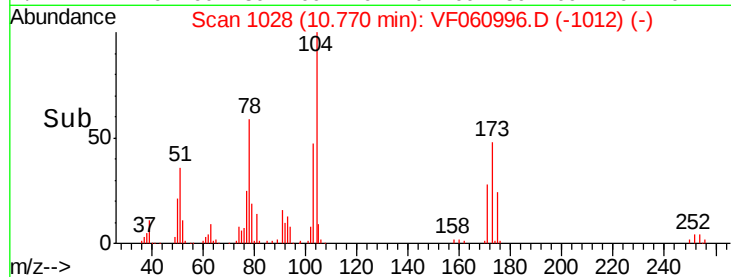
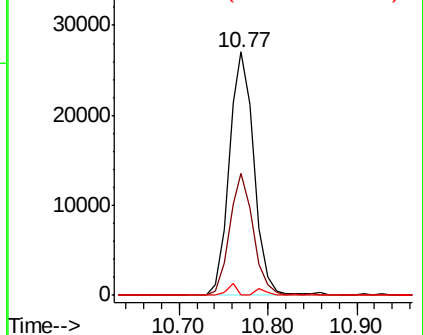
254 0.4 7.5 11.3#



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: 12.55 min Scan# 1208

Delta R.T. -0.03 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

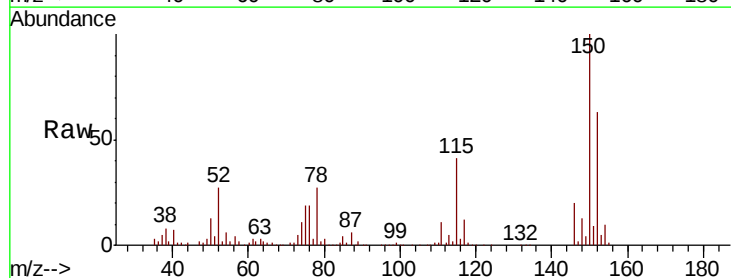
Tgt Ion:152 Resp: 137439

Ion Ratio Lower Upper

152 100

115 65.4 30.1 90.5

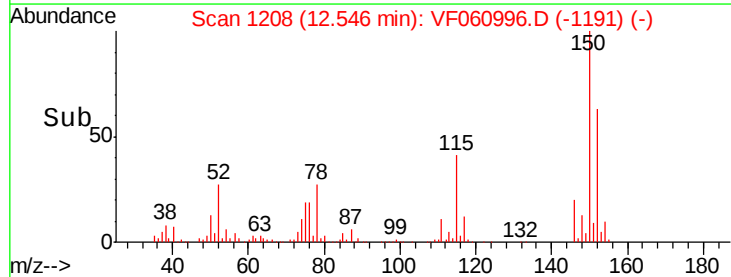
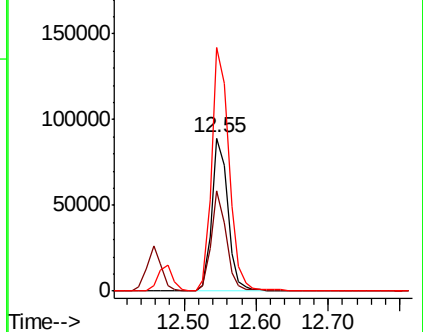
150 159.4 0.0 327.6

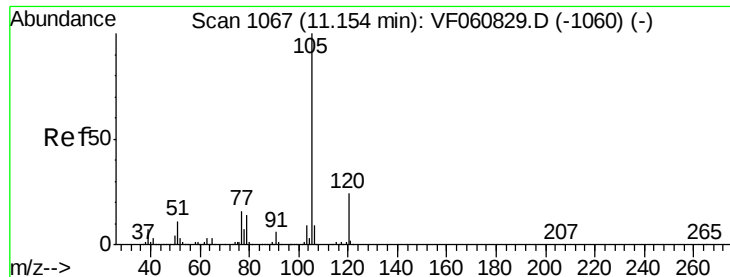


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 51.945 ug/l

RT: 11.13 min Scan# 1064

Delta R.T. -0.03 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Instrument :

MSVOA_F

ClientSampleId :

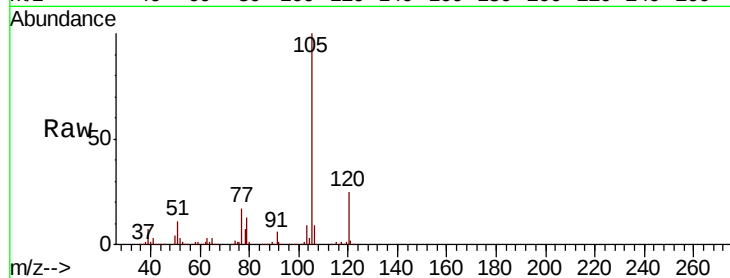
VSTDCCC050

Tot Ion:105 Resp: 564184

Ion Ratio Lower Upper

105 100

120 25.0 12.2 36.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

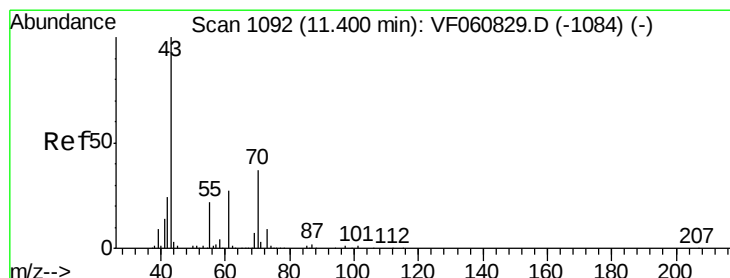
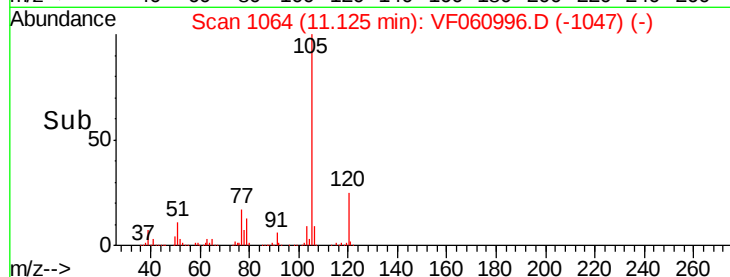
300000

200000

100000

0

Time--> 11.00 11.10 11.20



#74

N-ethyl acetate

Concen: 51.165 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.03 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Tgt Ion: 43 Resp: 128322

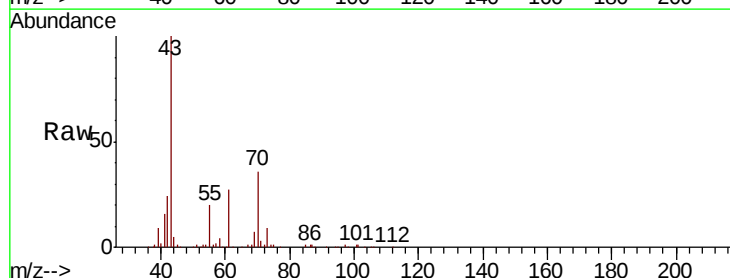
Ion Ratio Lower Upper

43 100

70 35.7 29.6 44.4

55 20.2 17.2 25.8

61 27.1 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

120000

100000

80000

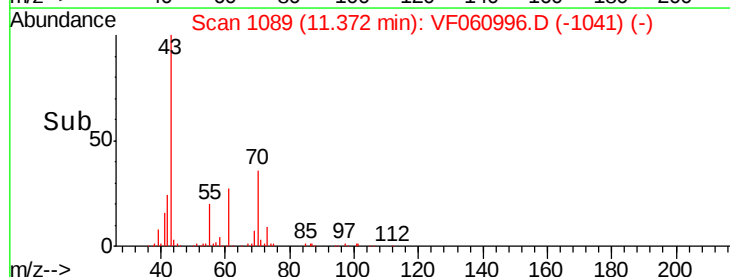
60000

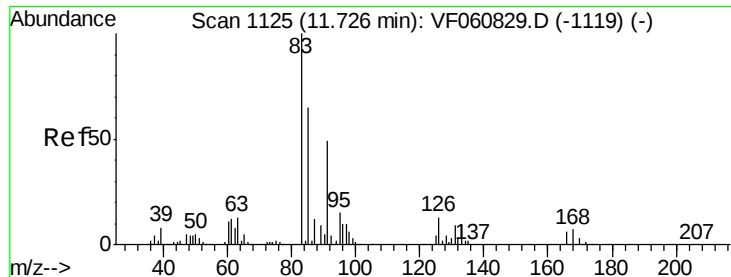
40000

20000

0

Time--> 11.30 11.40 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 51.392 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.03 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

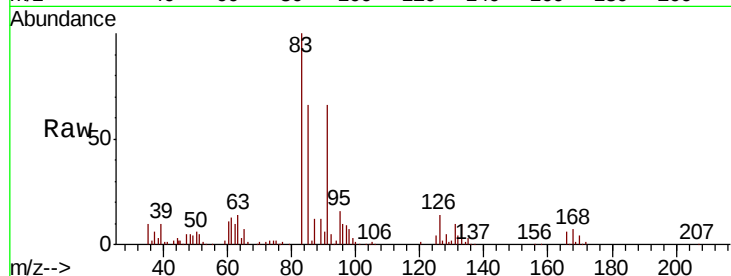
Tot Ion: 83 Resp: 91863

Ion Ratio Lower Upper

83 100

131 9.5 4.7 14.1

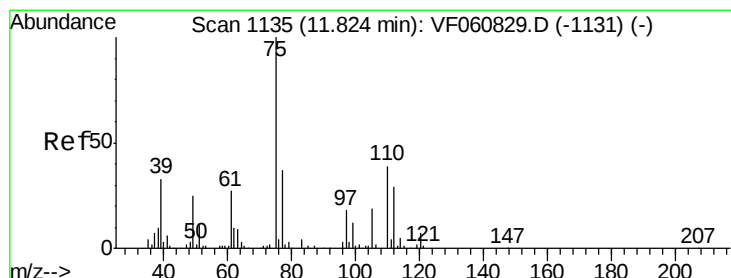
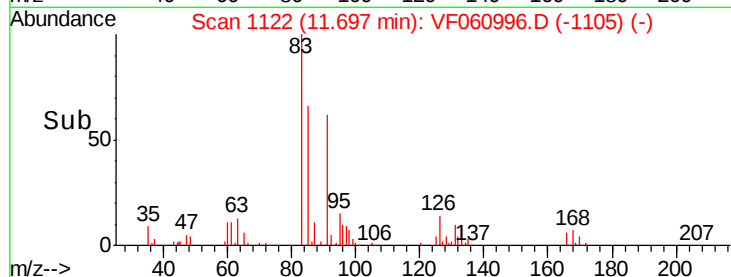
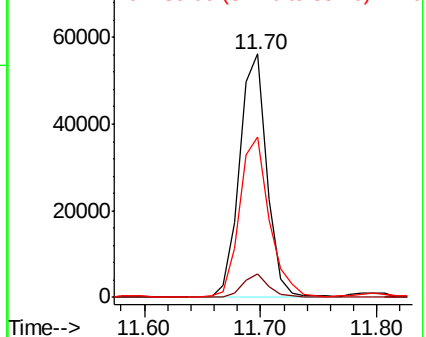
85 66.1 32.6 97.8



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: 53.520 ug/l

RT: 11.80 min Scan# 1132

Delta R.T. -0.03 min

Lab File: VF060996.D

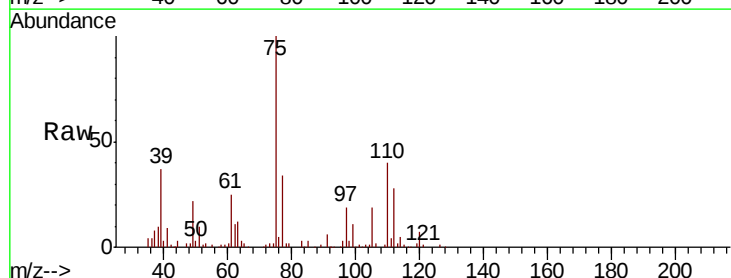
Acq: 12 Dec 2018 15:08

Tgt Ion: 75 Resp: 69538

Ion Ratio Lower Upper

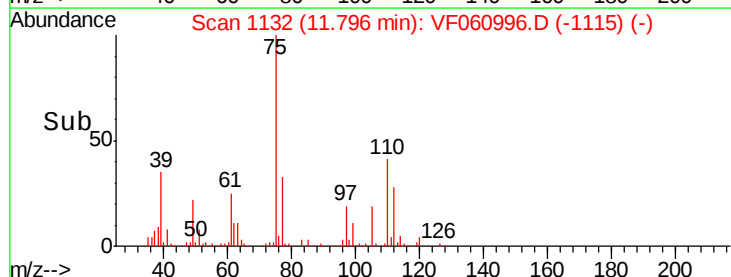
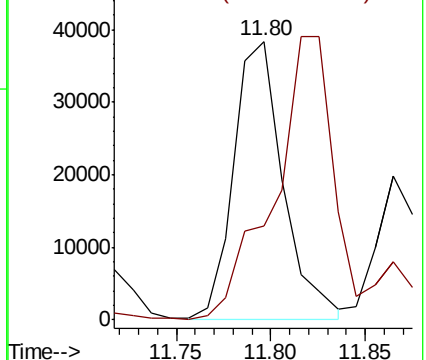
75 100

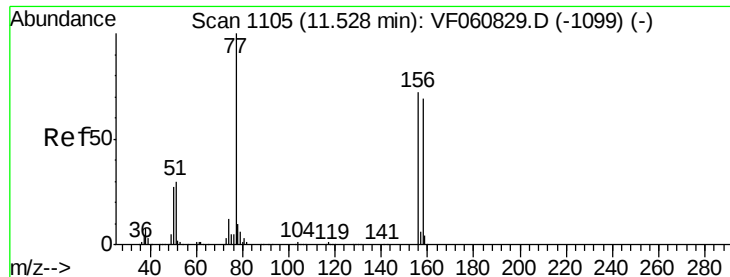
77 33.8 18.4 55.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 49.637 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.04 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

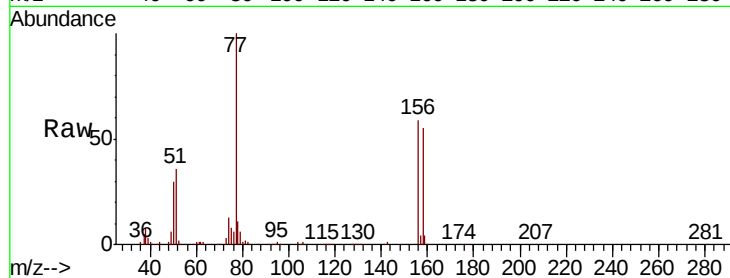
Tot Ion:156 Resp: 118195

Ion Ratio Lower Upper

156 100

77 168.2 69.7 209.0

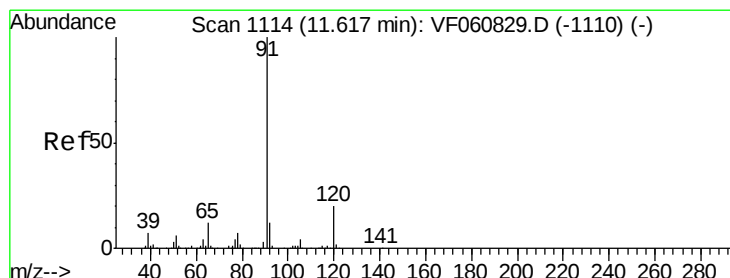
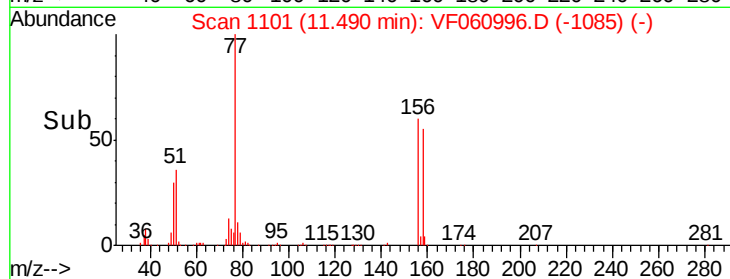
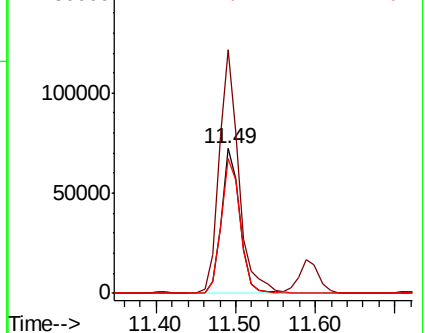
158 93.0 47.8 143.4



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: 51.914 ug/l

RT: 11.59 min Scan# 1111

Delta R.T. -0.03 min

Lab File: VF060996.D

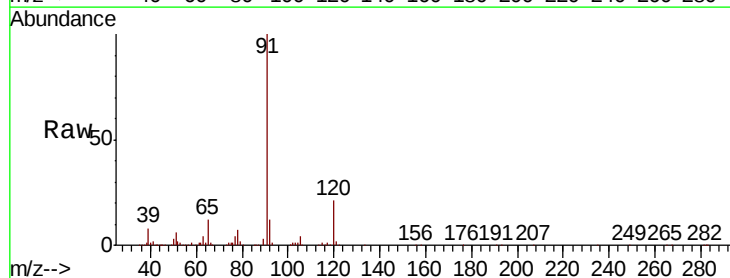
Acq: 12 Dec 2018 15:08

Tgt Ion: 91 Resp: 660313

Ion Ratio Lower Upper

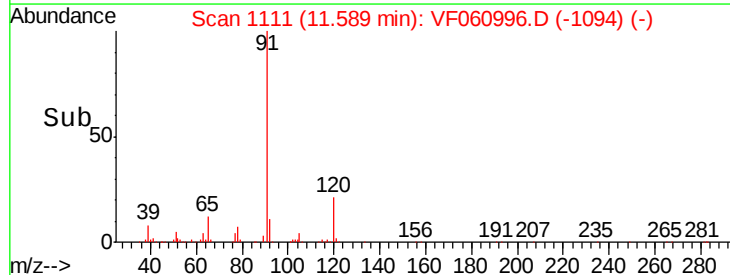
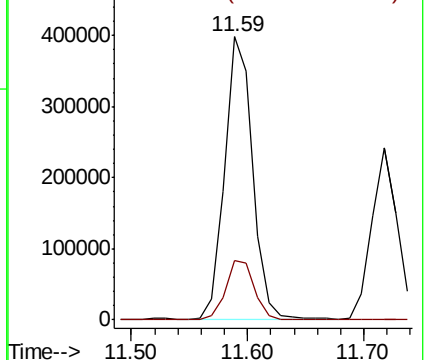
91 100

120 20.8 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.998 ug/l

RT: 11.72 min Scan# 1124

Delta R.T. -0.03 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Instrument :

MSVOA_F

ClientSampleId :

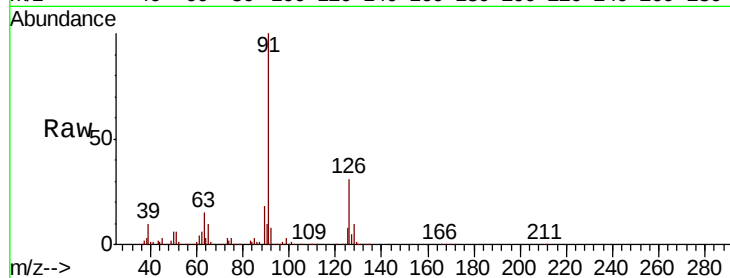
VSTDCCC050

Tot Ion: 91 Resp: 371931

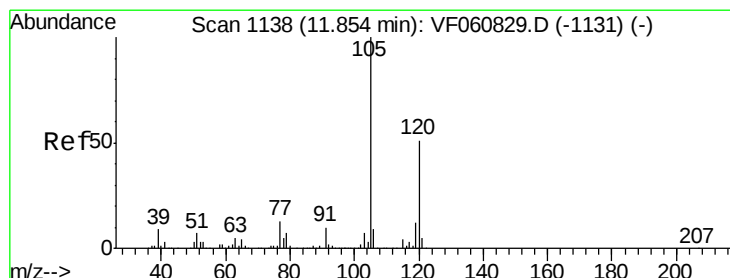
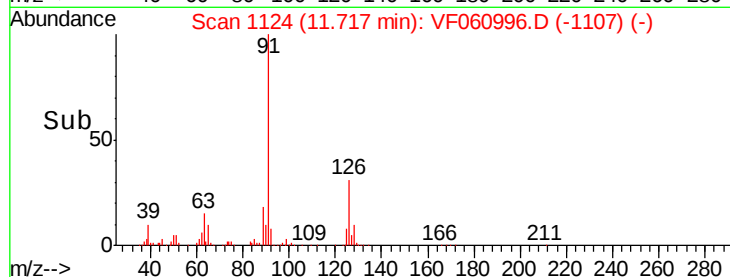
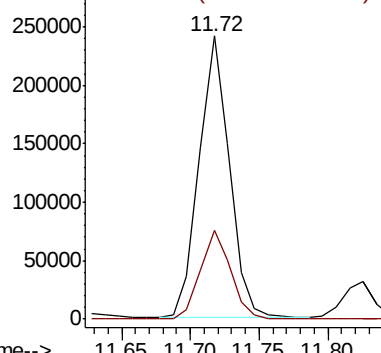
Ion Ratio Lower Upper

91 100

126 31.5 15.9 47.6



Abundance Ion 91.00 (90.70 to 91.70): VF060829.D (-1123) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.317 ug/l

RT: 11.83 min Scan# 1135

Delta R.T. -0.03 min

Lab File: VF060996.D

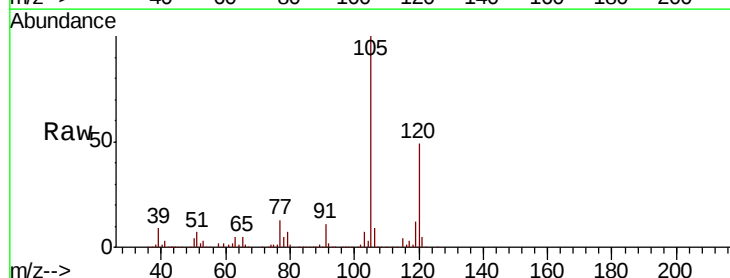
Acq: 12 Dec 2018 15:08

Tgt Ion: 105 Resp: 461297

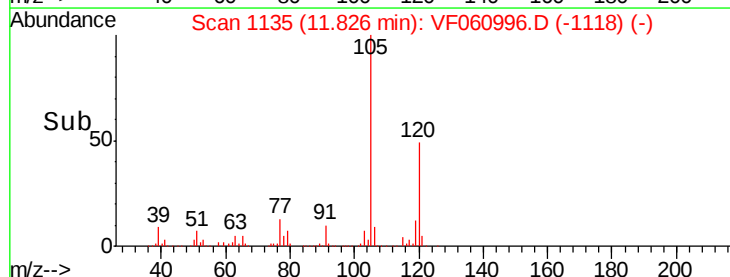
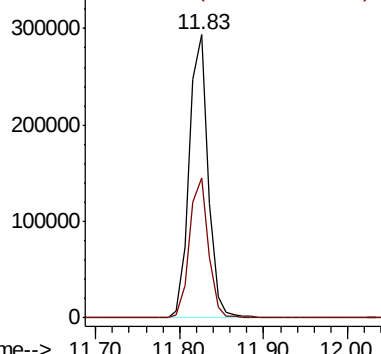
Ion Ratio Lower Upper

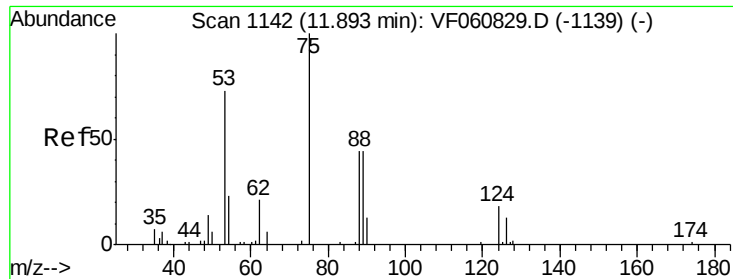
105 100

120 49.4 25.8 77.3



Abundance Ion 105.00 (104.70 to 105.70): VF060829.D (-1131) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 67.427 ug/l

RT: 11.87 min Scan# 1139

Delta R.T. -0.03 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

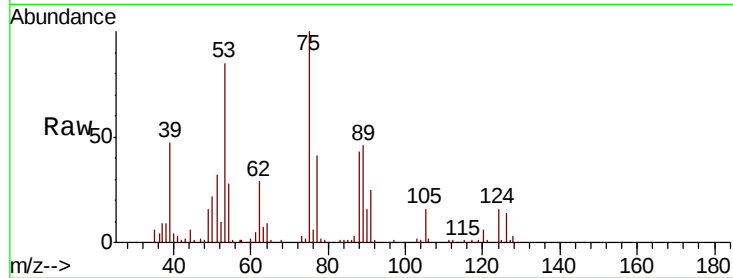
Tot Ion: 75 Resp: 42924

Ion Ratio Lower Upper

75 100

53 85.3 65.9 98.9

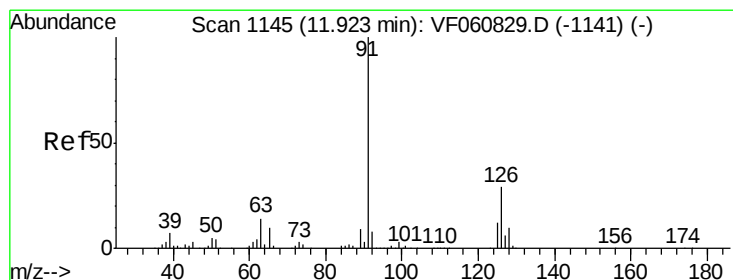
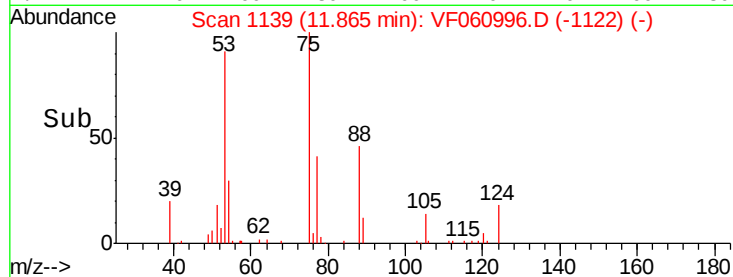
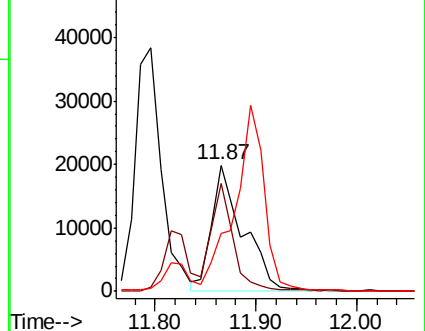
89 45.9 38.8 58.2



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: 50.818 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.03 min

Lab File: VF060996.D

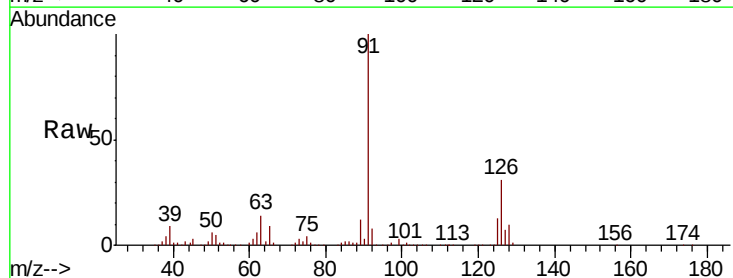
Acq: 12 Dec 2018 15:08

Tgt Ion: 91 Resp: 390035

Ion Ratio Lower Upper

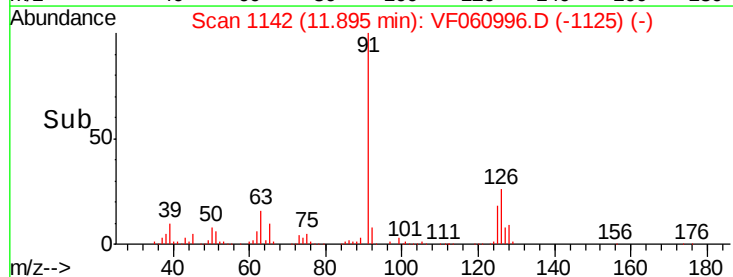
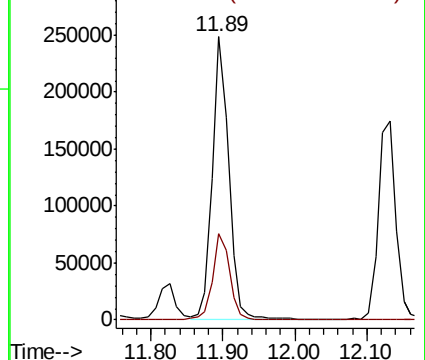
91 100

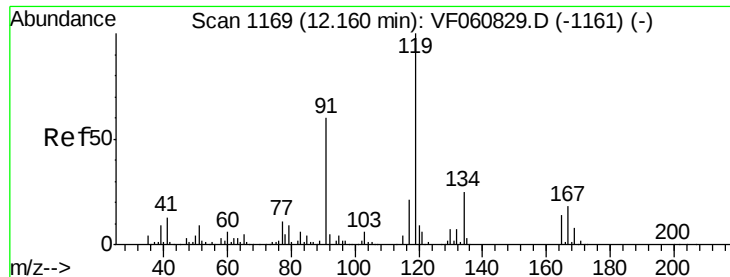
126 30.6 14.8 44.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

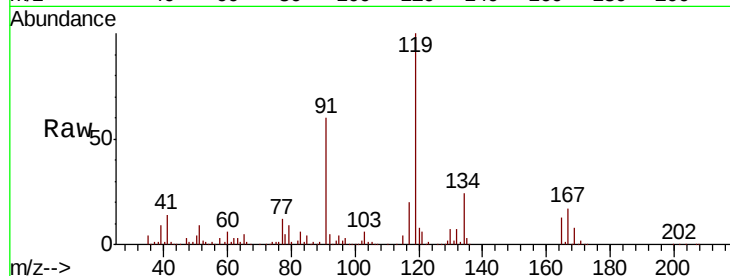




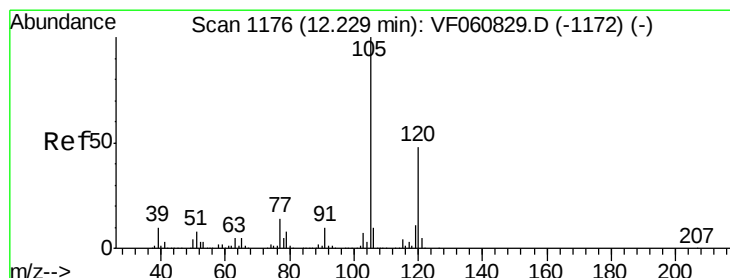
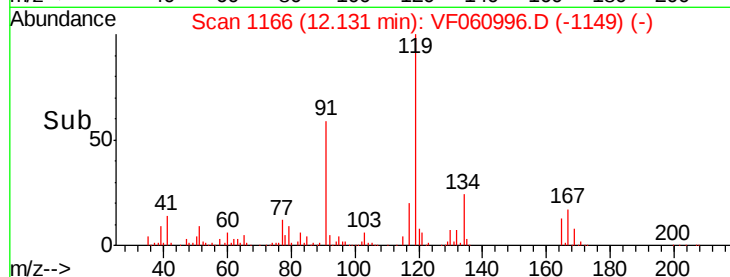
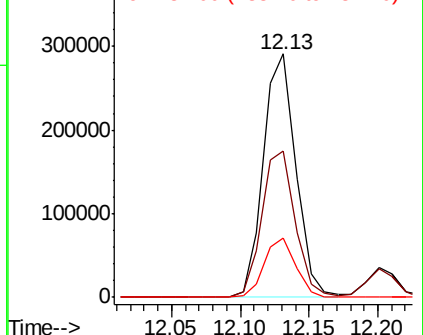
#83
tert-Butylbenzene
Concen: 53.358 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. -0.03 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 479239
Ion Ratio Lower Upper
119 100
91 60.1 30.1 90.3
134 24.3 12.6 37.8

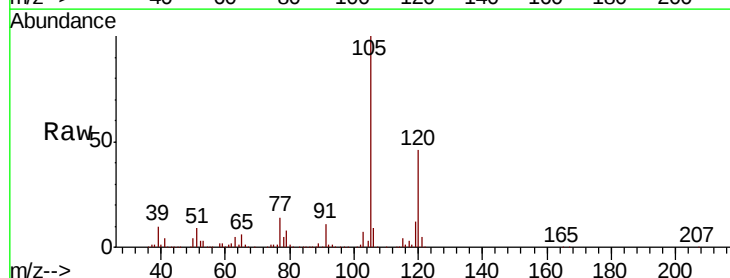


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

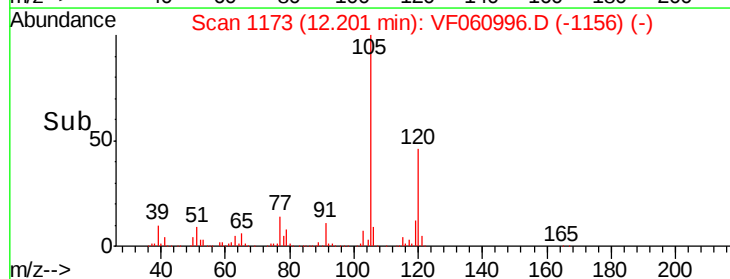
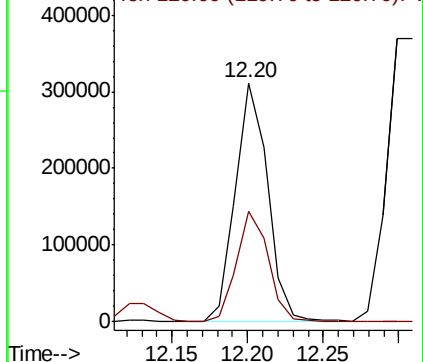


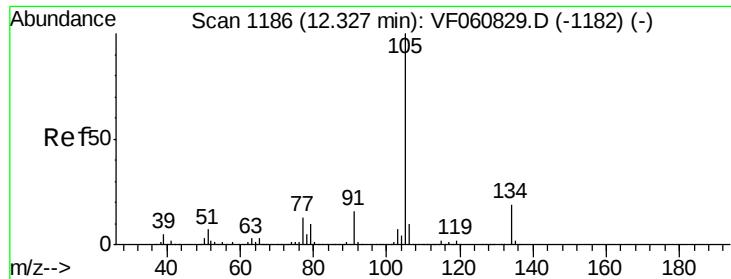
#84
1,2,4-Trimethylbenzene
Concen: 52.703 ug/l
RT: 12.20 min Scan# 1173
Delta R.T. -0.03 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

Tgt Ion:105 Resp: 463779
Ion Ratio Lower Upper
105 100
120 46.2 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

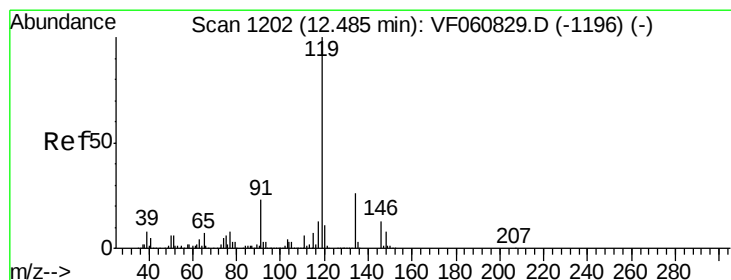
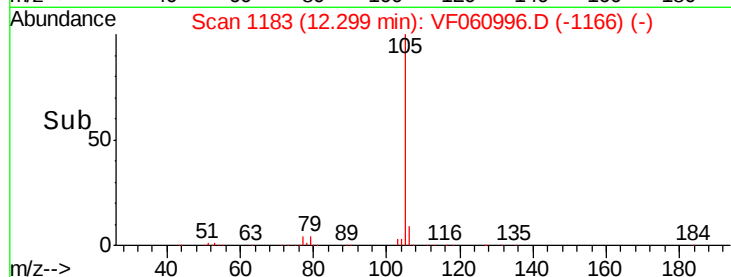
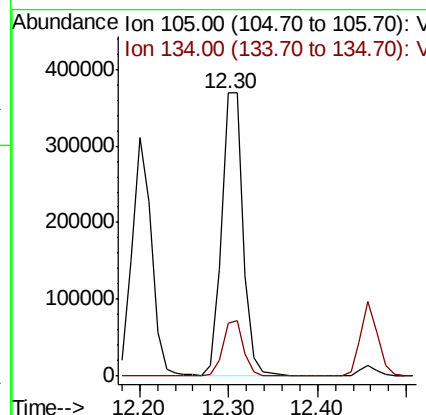
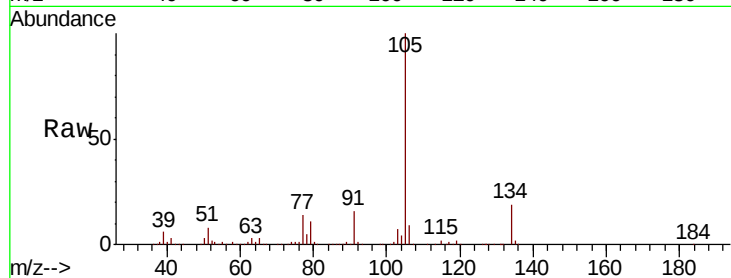




#85
 sec-Butylbenzene
 Concen: 50.817 ug/l
 RT: 12.30 min Scan# 1183
 Delta R.T. -0.03 min
 Lab File: VF060996.D
 Acq: 12 Dec 2018 15:08

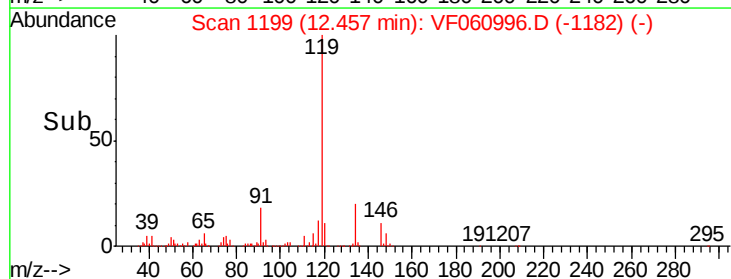
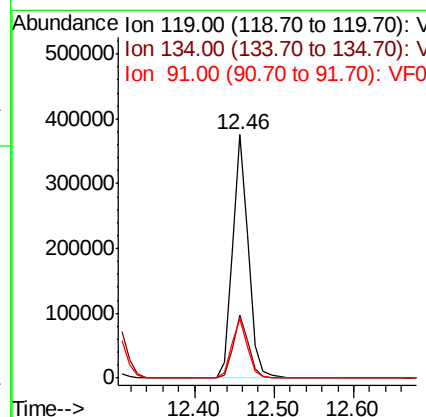
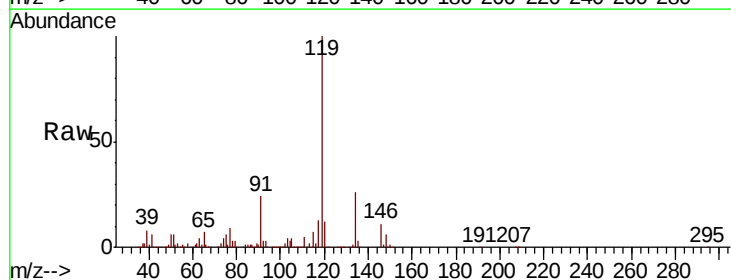
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

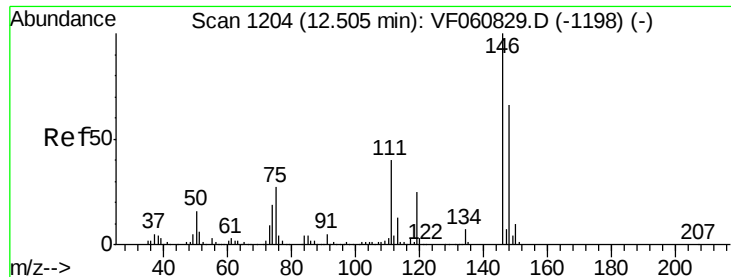
Tot Ion:105 Resp: 624803
 Ion Ratio Lower Upper
 105 100
 134 18.6 9.5 28.5



#86
 p-Isopropyltoluene
 Concen: 50.874 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.03 min
 Lab File: VF060996.D
 Acq: 12 Dec 2018 15:08

Tgt Ion:119 Resp: 524416
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.9 38.6
 91 24.4 11.8 35.3





#87

1,3-Dichlorobenzene

Concen: 49.227 ug/l

RT: 12.48 min Scan# 1201

Delta R.T. -0.03 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

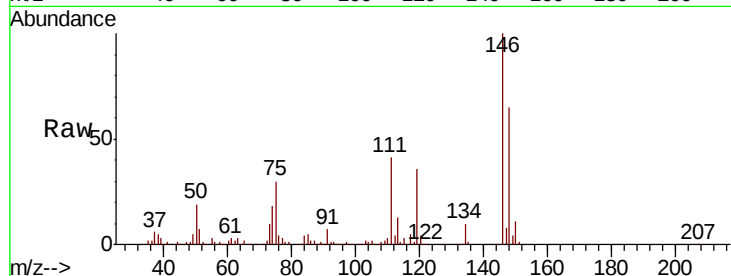
Tot Ion:146 Resp: 222967

Ion Ratio Lower Upper

146 100

111 40.5 20.0 59.9

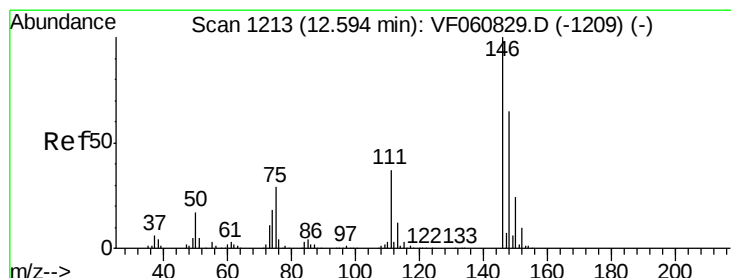
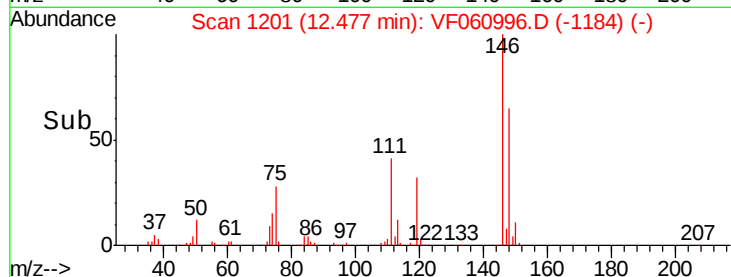
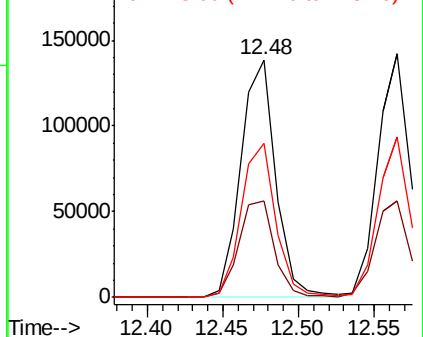
148 65.0 32.9 98.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 49.922 ug/l

RT: 12.57 min Scan# 1210

Delta R.T. -0.03 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

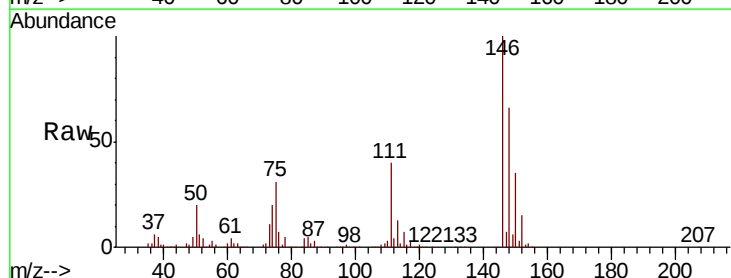
Tgt Ion:146 Resp: 220356

Ion Ratio Lower Upper

146 100

111 39.7 18.9 56.7

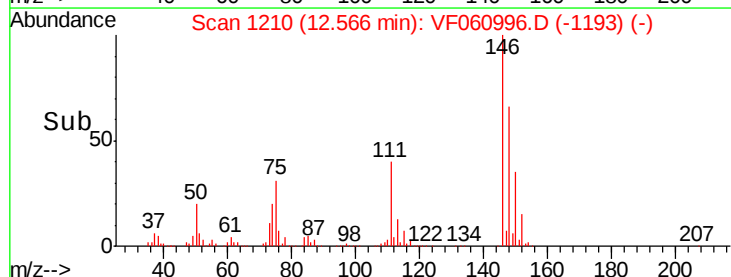
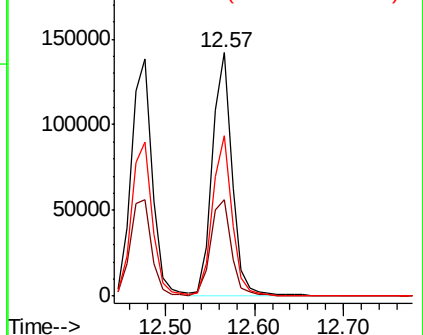
148 65.6 32.3 96.9

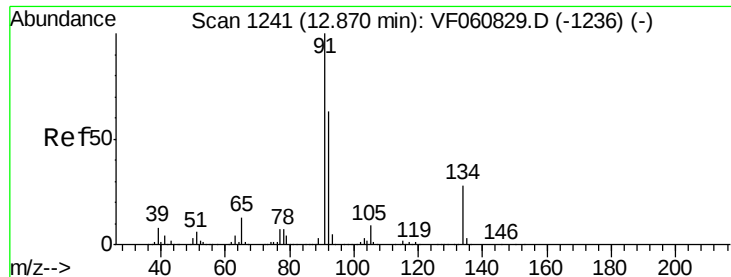


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 53.122 ug/l

RT: 12.84 min Scan# 1238

Delta R.T. -0.03 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

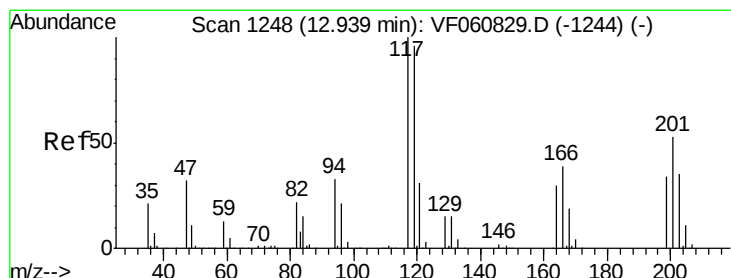
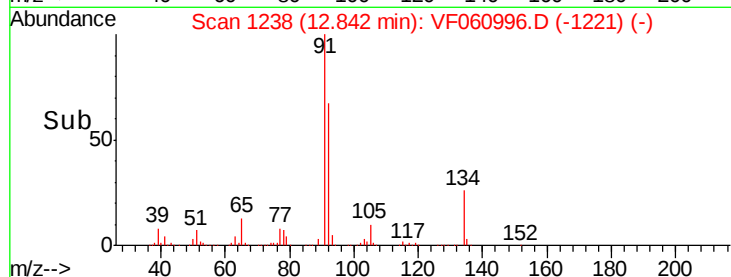
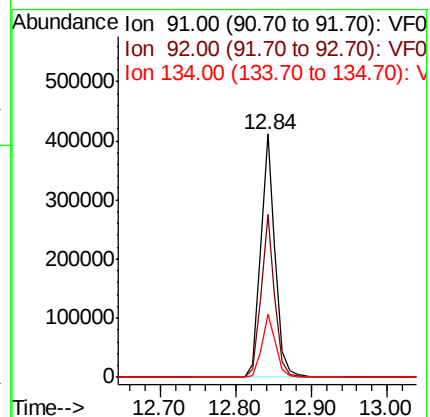
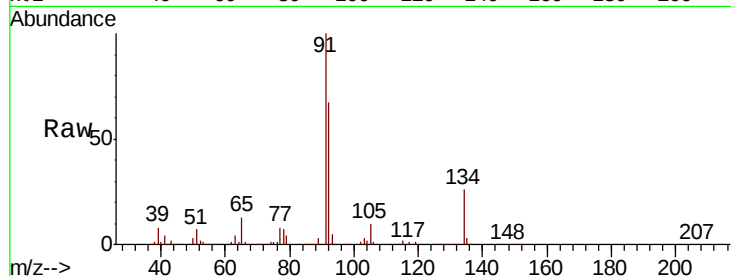
Tot Ion: 91 Resp: 553705

Ion Ratio Lower Upper

91 100

92 66.7 31.6 94.7

134 25.8 13.8 41.4



#90

Hexachloroethane

Concen: 53.887 ug/l

RT: 12.91 min Scan# 1245

Delta R.T. -0.03 min

Lab File: VF060996.D

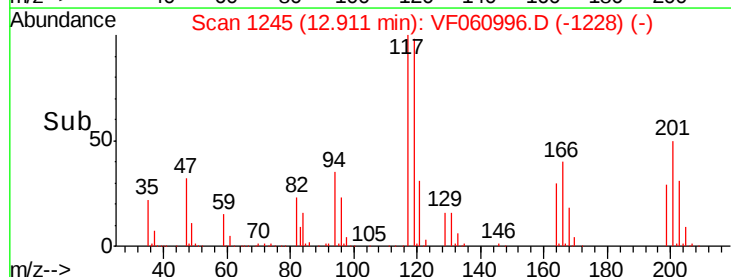
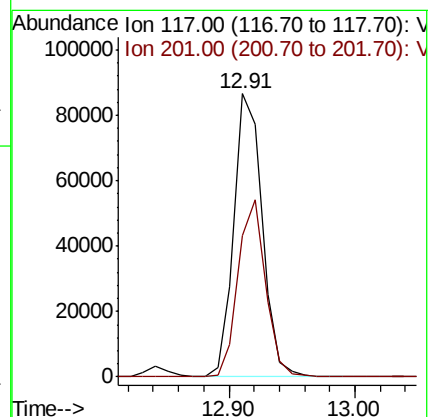
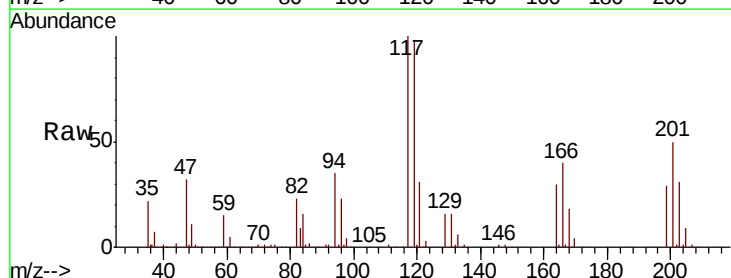
Acq: 12 Dec 2018 15:08

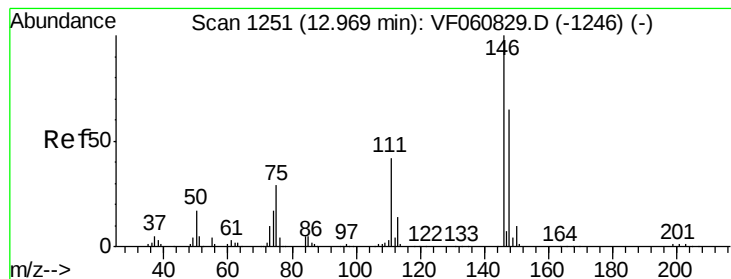
Tgt Ion: 117 Resp: 133761

Ion Ratio Lower Upper

117 100

201 50.0 26.7 80.1





#91

1,2-Dichlorobenzene

Concen: 50.902 ug/l

RT: 12.94 min Scan# 1248

Delta R.T. -0.03 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

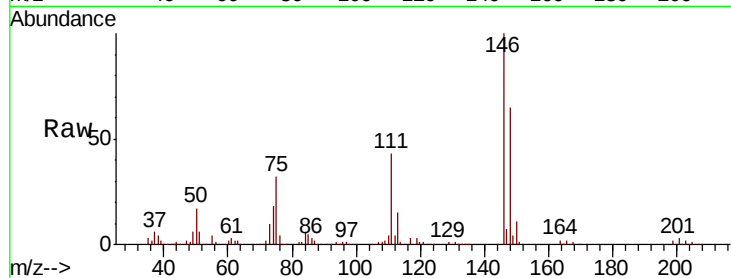
Tot Ion:146 Resp: 218331

Ion Ratio Lower Upper

146 100

111 42.6 21.2 63.6

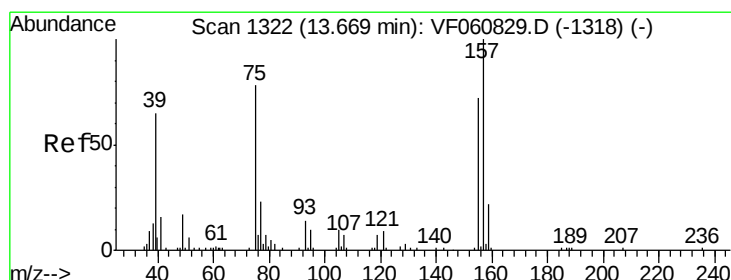
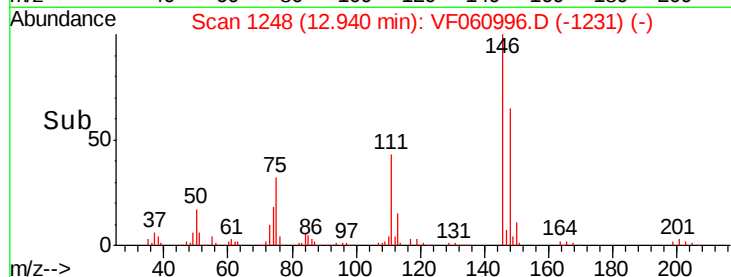
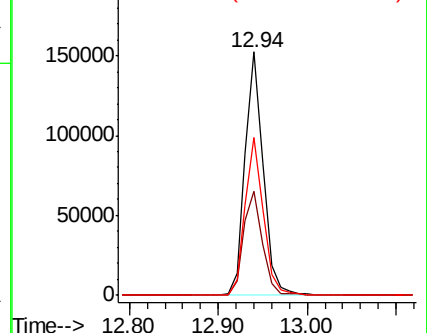
148 64.8 32.5 97.5



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: 55.834 ug/l

RT: 13.64 min Scan# 1319

Delta R.T. -0.03 min

Lab File: VF060996.D

Acq: 12 Dec 2018 15:08

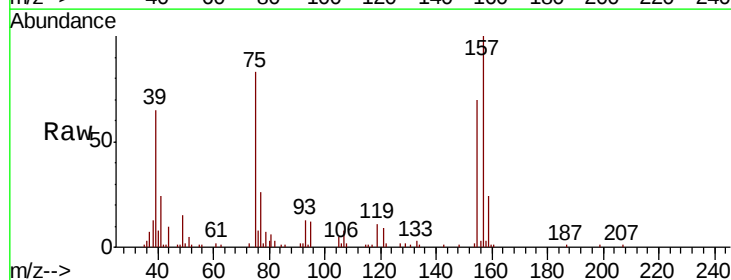
Tgt Ion: 75 Resp: 19296

Ion Ratio Lower Upper

75 100

155 84.5 45.6 136.9

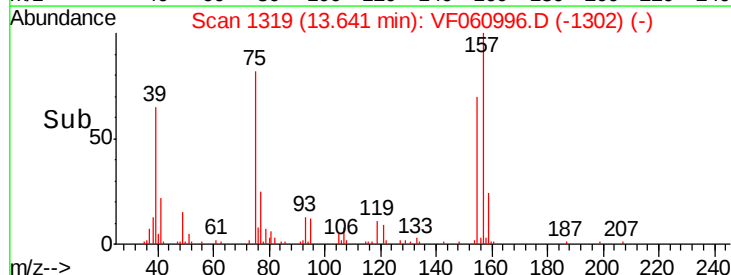
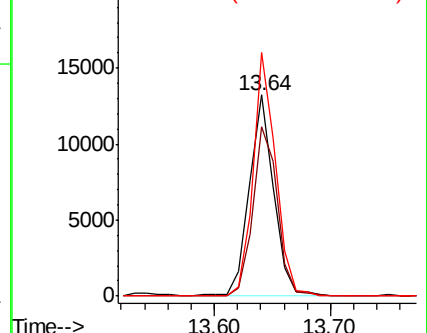
157 121.1 63.8 191.5

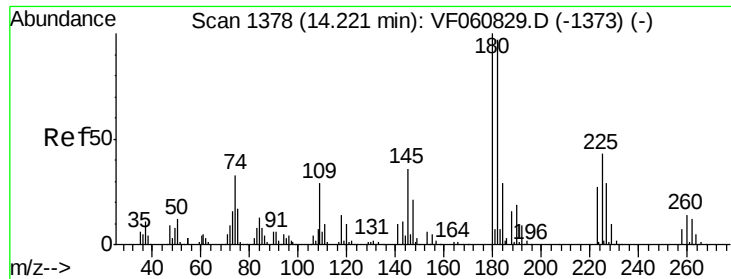


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

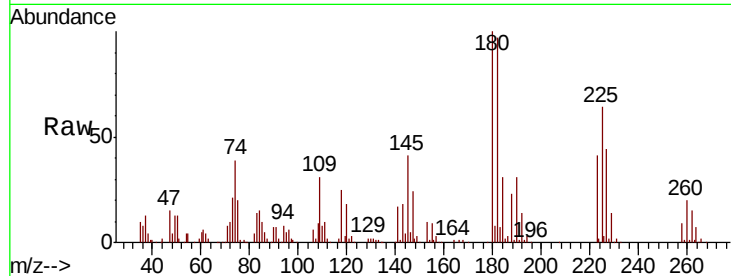




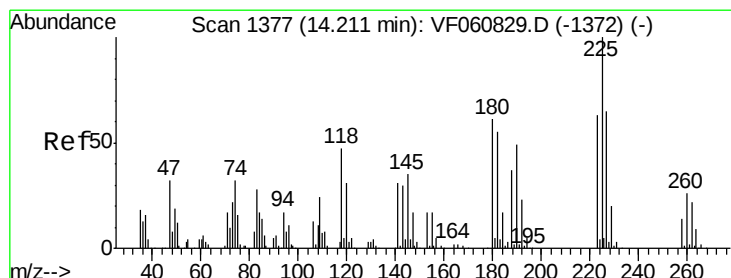
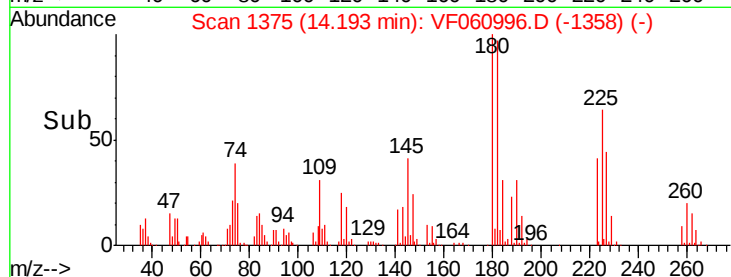
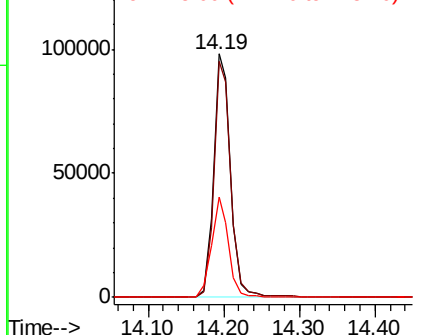
#93
 1,2,4-Trichlorobenzene
 Concen: 52.042 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.03 min
 Lab File: VF060996.D
 Acq: 12 Dec 2018 15:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 155971
 Ion Ratio Lower Upper
 180 100
 182 96.7 48.5 145.5
 145 40.9 18.1 54.3

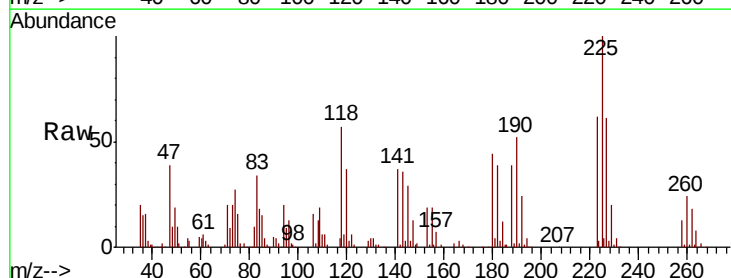


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

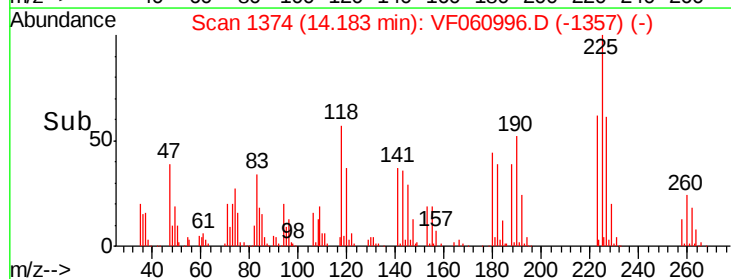
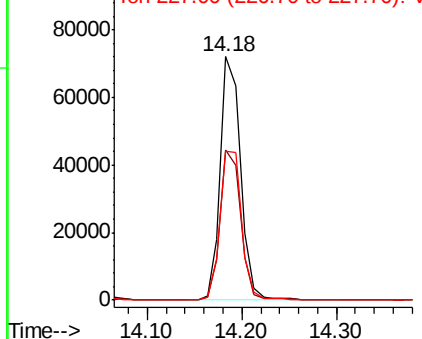


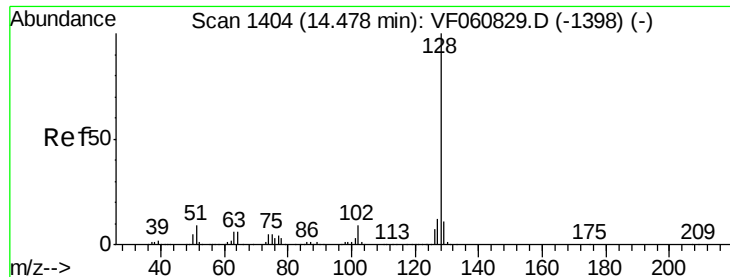
#94
 Hexachlorobutadiene
 Concen: 53.686 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.03 min
 Lab File: VF060996.D
 Acq: 12 Dec 2018 15:08

Tgt Ion:225 Resp: 107258
 Ion Ratio Lower Upper
 225 100
 223 61.6 31.4 94.3
 227 61.2 32.5 97.5



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

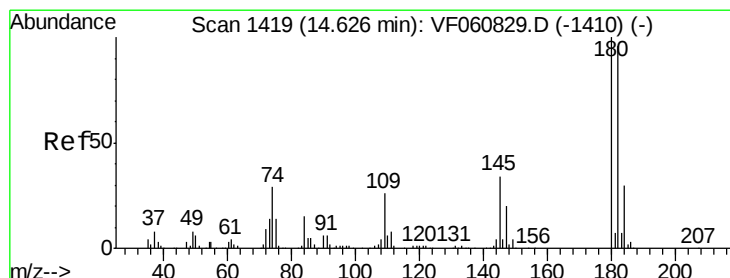
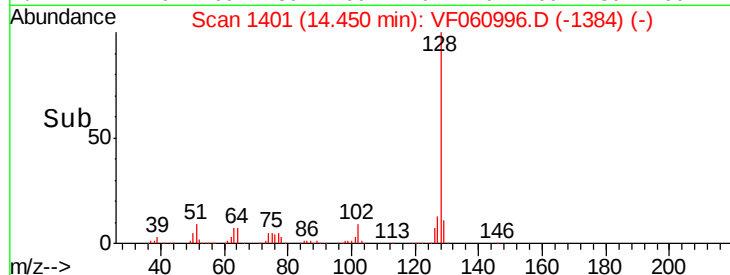
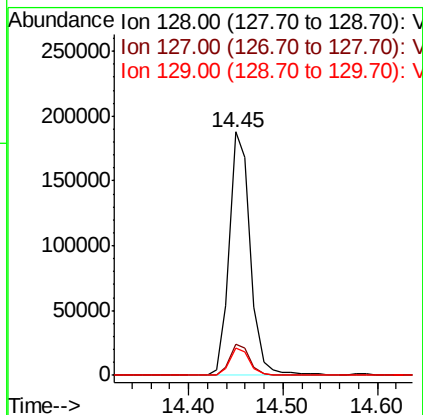
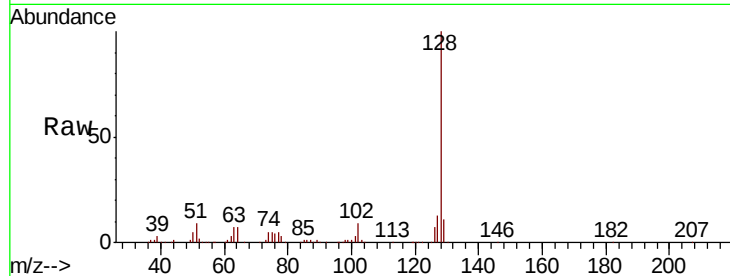




#95
Naphthalene
Concen: 49.972 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.03 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	9.9	14.9
129	11.4	9.1	13.7



#96
1,2,3-Trichlorobenzene
Concen: 53.639 ug/l
RT: 14.60 min Scan# 1416
Delta R.T. -0.03 min
Lab File: VF060996.D
Acq: 12 Dec 2018 15:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.7	47.9	143.8
145	35.3	17.2	51.5

