

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF112618\
 Data File : VF060831.D
 Acq On : 26 Nov 2018 19:28
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Quant Time: Nov 27 00:37:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 00:28:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.91	168	192006	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.64	114	328753	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.81	117	304560	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.58	152	160554	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.89	65	242170	108.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	217.76%	
35) Dibromofluoromethane	4.16	113	250124	98.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.90%	
50) Toluene-d8	7.59	98	736208	99.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	198.16%	
62) 4-Bromofluorobenzene	11.44	95	333603	96.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	193.88%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.97	85	276353	83.378	ug/l	100
3) Chloromethane	1.11	50	169613	83.356	ug/l	99
4) Vinyl Chloride	1.16	62	166447	89.948	ug/l	97
5) Bromomethane	1.34	94	114088	95.209	ug/l	97
6) Chloroethane	1.40	64	69268	95.650	ug/l	98
7) Trichlorofluoromethane	1.49	101	354945	87.173	ug/l	91
8) Diethyl Ether	1.64	74	49539	93.131	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.85	101	178530	91.370	ug/l	96
10) Methyl Iodide	1.92	142	228547	73.422	ug/l	95
11) Tert butyl alcohol	2.59	59	45285	461.212	ug/l	96
12) 1,1-Dichloroethene	1.81	96	145081	93.261	ug/l	93
13) Acrolein	2.03	56	46110	496.670	ug/l	91
14) Allyl chloride	2.12	41	192266	71.001	ug/l	99
15) Acrylonitrile	2.97	53	101937	485.978	ug/l	96
16) Acetone	2.26	43	188384	419.725	ug/l	97
17) Carbon Disulfide	1.85	76	388521	85.092	ug/l	98
18) Methyl Acetate	2.37	43	69873	93.204	ug/l	97
19) Methyl tert-butyl Ether	2.45	73	340531	92.782	ug/l	97
20) Methylene Chloride	2.26	84	87502	50.636	ug/l	91
21) trans-1,2-Dichloroethene	2.33	96	143482	90.565	ug/l	99
22) Diisopropyl ether	2.83	45	497766	95.039	ug/l	97
23) Vinyl Acetate	3.22	43	1191477	488.730	ug/l	98
24) 1,1-Dichloroethane	2.91	63	312266	97.524	ug/l	99
25) 2-Butanone	4.38	43	335450	443.084	ug/l	98
26) 2,2-Dichloropropane	3.64	77	186893	76.740	ug/l	100
27) cis-1,2-Dichloroethene	3.51	96	232236	86.274	ug/l	97
28) Bromochloromethane	3.75	49	136157	84.248	ug/l	91
29) Tetrahydrofuran	4.11	42	136250	435.557	ug/l	97
30) Chloroform	3.90	83	431747	86.183	ug/l	100
31) Cyclohexane	3.73	56	176953	47.163	ug/l	97
32) 1,1,1-Trichloroethane	4.14	97	300885	76.509	ug/l	98
36) 1,1-Dichloropropene	4.33	75	318688	84.012	ug/l	99
37) Ethyl Acetate	4.16	43	130118	90.901	ug/l	90
38) Carbon Tetrachloride	4.03	117	288250	78.131	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.49	83	336930	77.916	ug/l	97
40) Benzene	4.67	78	691073	81.935	ug/l	99
41) Methacrylonitrile	4.79	41	72577	84.671	ug/l	90
42) 1,2-Dichloroethane	4.99	62	280995	94.477	ug/l	97
43) Isopropyl Acetate	6.99	43	174543	91.397	ug/l	97
44) Trichloroethene	5.54	130	226290	84.030	ug/l	94
45) 1,2-Dichloropropane	6.28	63	191538	85.736	ug/l	97
46) Dibromomethane	6.12	93	139759	95.469	ug/l	96
47) Bromodichloromethane	6.43	83	350845	94.004	ug/l	99
48) Methyl methacrylate	6.75	41	123908	96.976	ug/l	96
49) 1,4-Dioxane	6.74	88	18512	1587.596	ug/l #	85
51) 4-Methyl-2-Pentanone	8.29	43	597719	437.317	ug/l	99
52) Toluene	7.67	92	493942	87.241	ug/l	99
53) t-1,3-Dichloropropene	8.32	75	272688	90.113	ug/l	98
54) cis-1,3-Dichloropropene	7.34	75	347391	87.811	ug/l	97
55) 1,1,2-Trichloroethane	8.53	97	153281	93.876	ug/l	97
56) Ethyl methacrylate	8.66	69	168632	89.950	ug/l	99
57) 1,3-Dichloropropane	8.89	76	269468	93.592	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.33	63	87689	514.697	ug/l	99
59) 2-Hexanone	9.52	43	411995	426.690	ug/l	96
60) Dibromochloromethane	8.75	129	232073	98.299	ug/l	98
61) 1,2-Dibromoethane	9.02	107	169027	98.089	ug/l	94
64) Tetrachloroethene	8.19	164	210599	90.031	ug/l	98
65) Chlorobenzene	9.84	112	554027	90.663	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.97	131	229415	87.674	ug/l	97
67) Ethyl Benzene	9.94	91	991088	86.595	ug/l	95
68) m/p-Xylenes	10.17	106	661766	162.368	ug/l	95
69) o-Xylene	10.75	106	383614	84.035	ug/l	94
70) Styrene	10.83	104	542852	87.098	ug/l	99
71) Bromoform	10.81	173	123562	103.929	ug/l	96
73) Isopropylbenzene	11.15	105	1092130	84.884	ug/l	96
74) N-amyl acetate	11.40	43	272933	91.931	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.72	83	190634	89.918	ug/l	99
76) 1,2,3-Trichloropropane	11.82	75	137692	86.431	ug/l	96
77) Bromobenzene	11.53	156	251940	92.400	ug/l	89
78) n-propylbenzene	11.63	91	1226826	80.701	ug/l	94
79) 2-Chlorotoluene	11.75	91	723942	82.860	ug/l	97
80) 1,3,5-Trimethylbenzene	11.85	105	868768	84.672	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.89	75	90753	117.482	ug/l	99
82) 4-Chlorotoluene	11.93	91	767485	85.489	ug/l	93
83) tert-Butylbenzene	12.16	119	871041	81.161	ug/l	94
84) 1,2,4-Trimethylbenzene	12.23	105	889318	83.647	ug/l	100
85) sec-Butylbenzene	12.34	105	1202373	81.914	ug/l	95
86) p-Isopropyltoluene	12.48	119	1000527	82.110	ug/l	96
87) 1,3-Dichlorobenzene	12.50	146	446419	83.439	ug/l	97
88) 1,4-Dichlorobenzene	12.59	146	459145	89.576	ug/l	96
89) n-Butylbenzene	12.87	91	1010806	80.030	ug/l	95
90) Hexachloroethane	12.95	117	255345	85.537	ug/l	76
91) 1,2-Dichlorobenzene	12.97	146	430540	84.882	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.67	75	39343	98.807	ug/l	90

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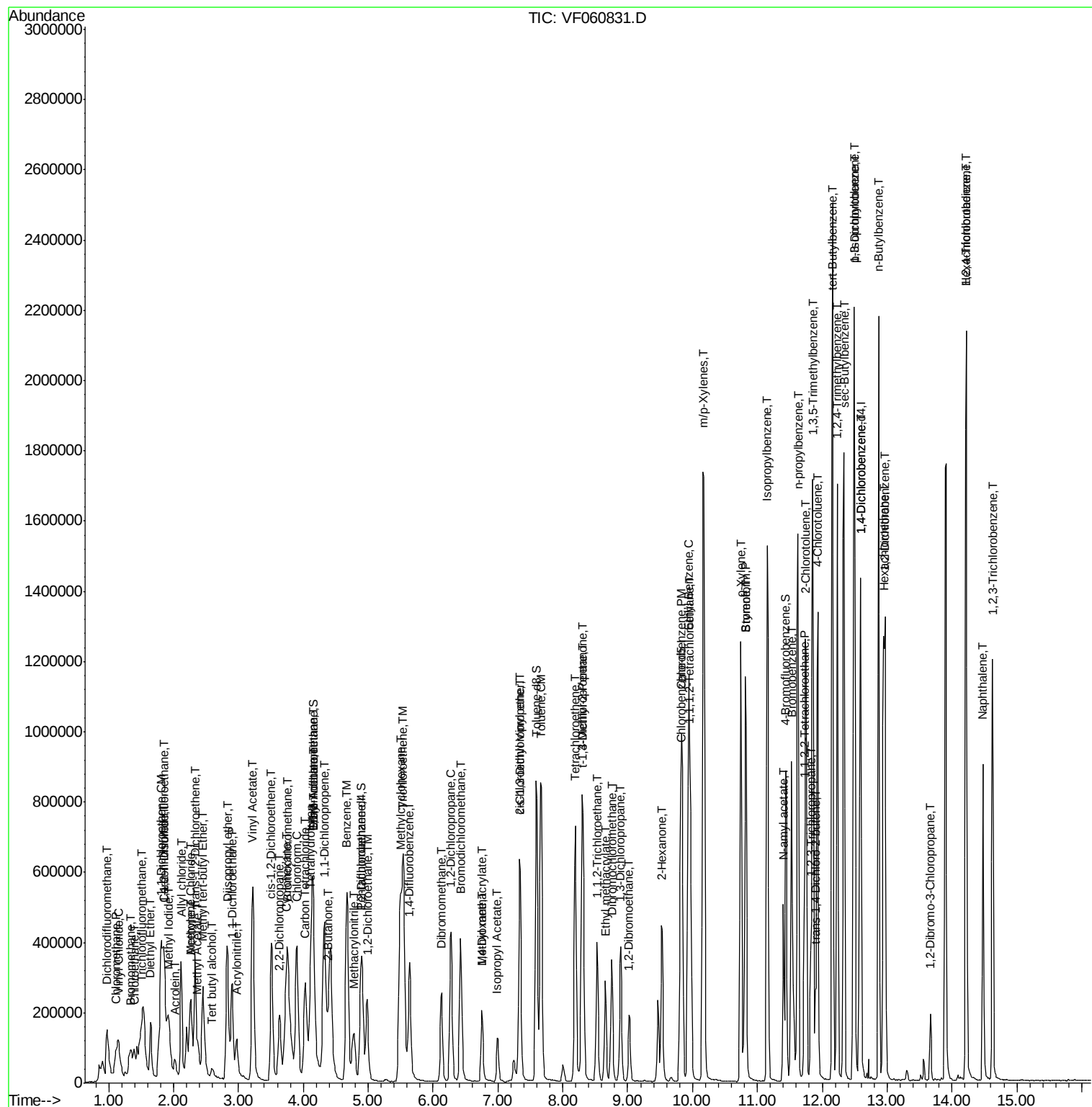
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	313963	87.448	ug/l	96
94) Hexachlorobutadiene	14.21	225	213731	91.759	ug/l	99
95) Naphthalene	14.48	128	654366	99.642	ug/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	313556	95.328	ug/l	99

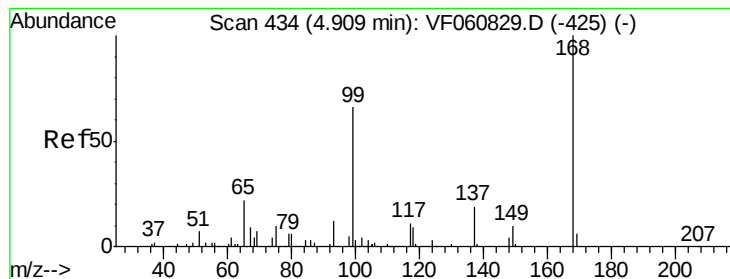
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.91 min Scan# 434

Delta R.T. -0.00 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Instrument :

MSVOA_F

ClientSampleId :

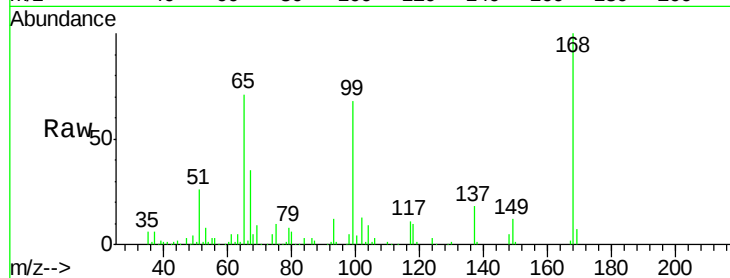
VSTDIC100

Tgt Ion:168 Resp: 192006

Ion Ratio Lower Upper

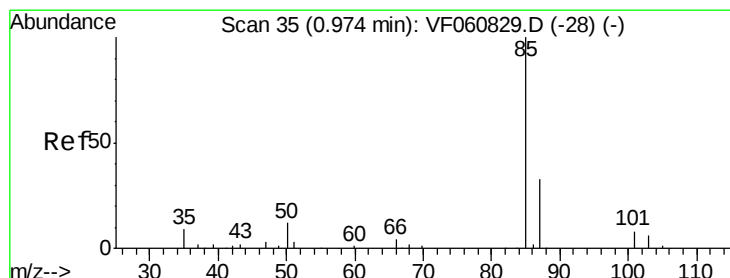
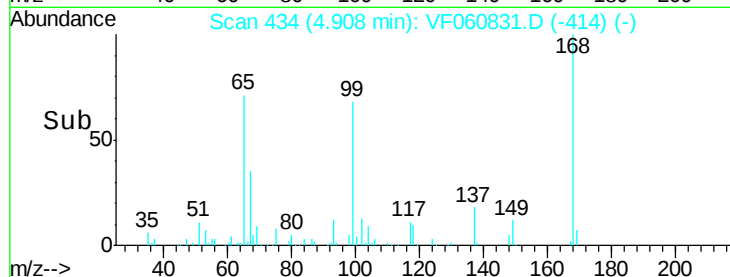
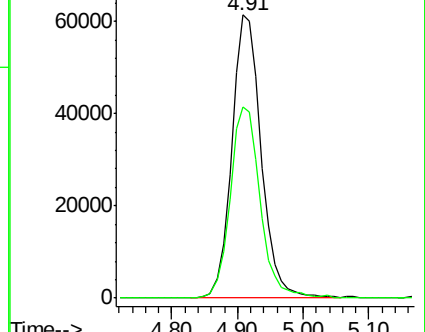
168 100

99 67.7 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 83.378 ug/l

RT: 0.97 min Scan# 35

Delta R.T. -0.00 min

Lab File: VF060831.D

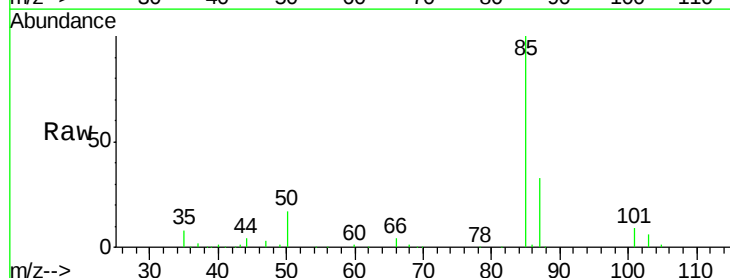
Acq: 26 Nov 2018 19:28

Tgt Ion: 85 Resp: 276353

Ion Ratio Lower Upper

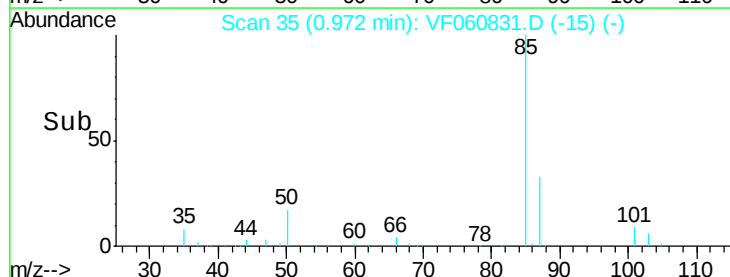
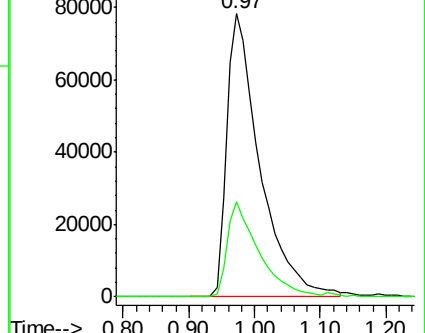
85 100

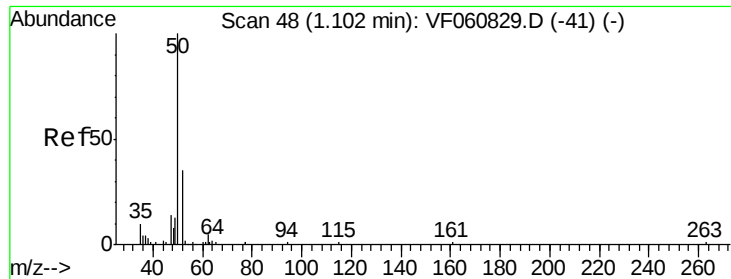
87 33.4 16.7 50.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 83.356 ug/l

RT: 1.11 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Instrument :

MSVOA_F

ClientSampleId :

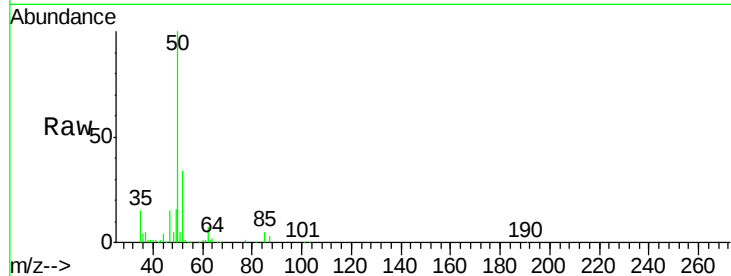
VSTDIC100

Tgt Ion: 50 Resp: 169613

Ion Ratio Lower Upper

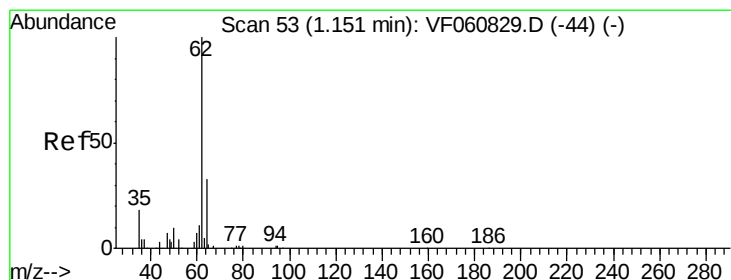
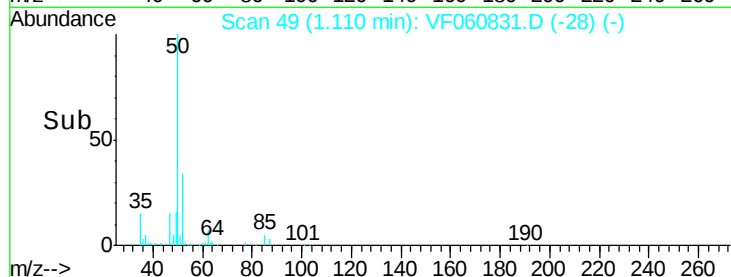
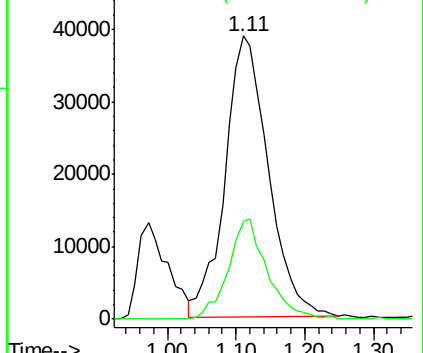
50 100

52 34.4 27.0 40.4



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 89.948 ug/l

RT: 1.16 min Scan# 54

Delta R.T. 0.01 min

Lab File: VF060831.D

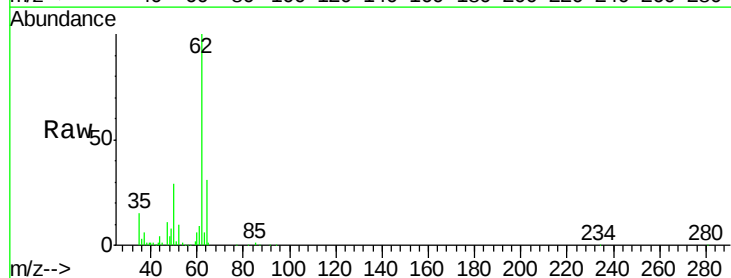
Acq: 26 Nov 2018 19:28

Tgt Ion: 62 Resp: 166447

Ion Ratio Lower Upper

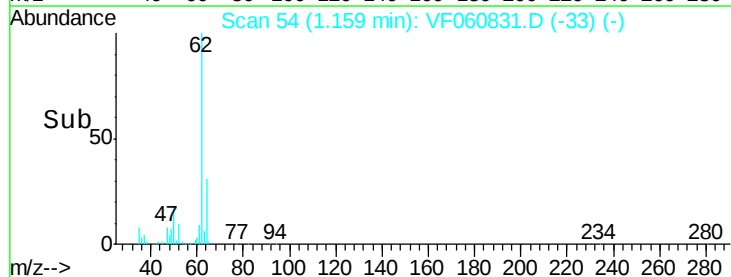
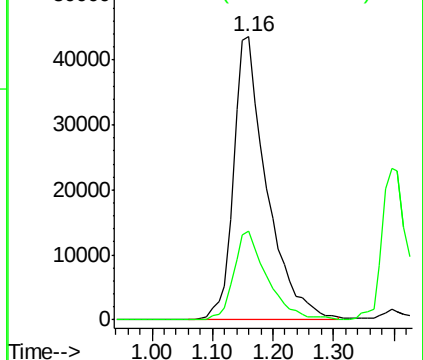
62 100

64 31.5 26.4 39.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 95.209 ug/l

RT: 1.34 min Scan# 72

Delta R.T. -0.00 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Instrument :

MSVOA_F

ClientSampleId :

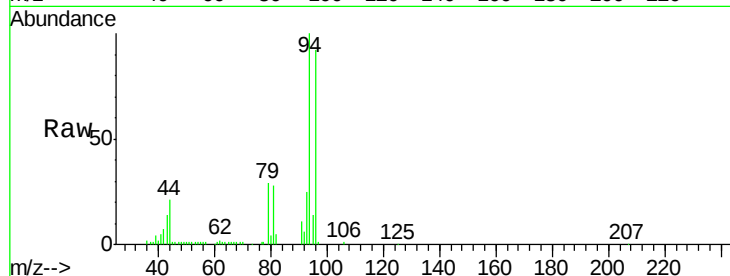
VSTDIC100

Tgt Ion: 94 Resp: 114088

Ion Ratio Lower Upper

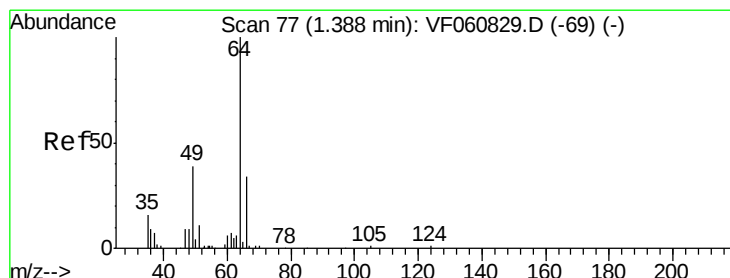
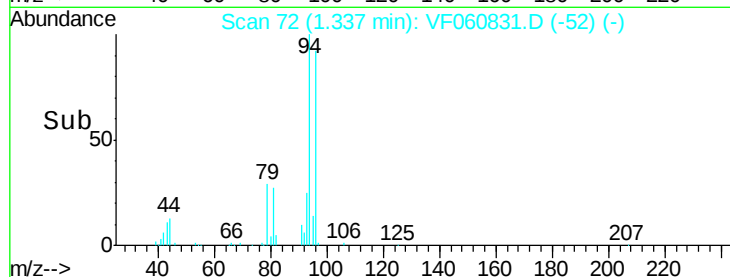
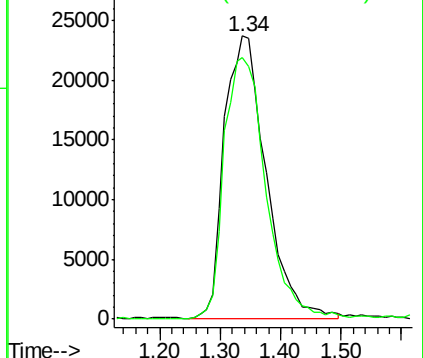
94 100

96 92.3 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: 95.650 ug/l

RT: 1.40 min Scan# 78

Delta R.T. 0.01 min

Lab File: VF060831.D

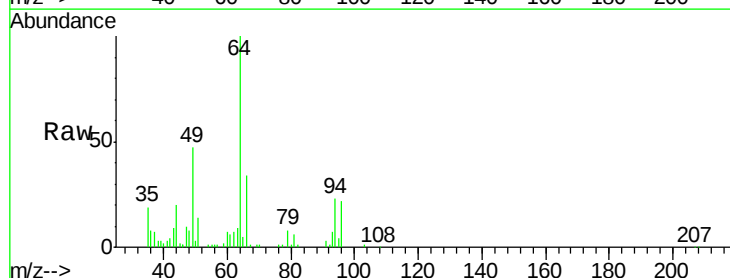
Acq: 26 Nov 2018 19:28

Tgt Ion: 64 Resp: 69268

Ion Ratio Lower Upper

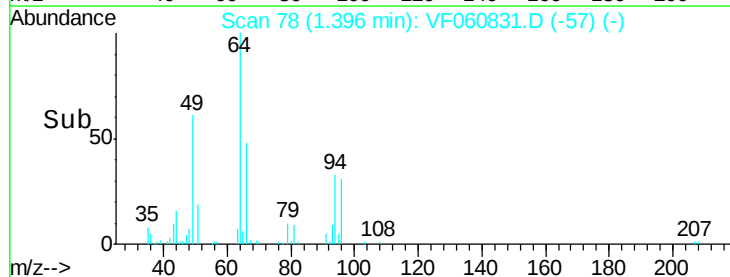
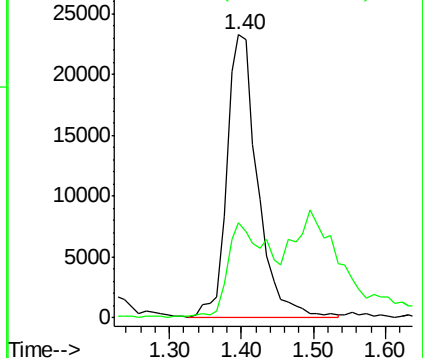
64 100

66 33.8 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: 87.173 ug/l

RT: 1.49 min Scan# 88

Delta R.T. -0.00 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Instrument :

MSVOA_F

ClientSampleId :

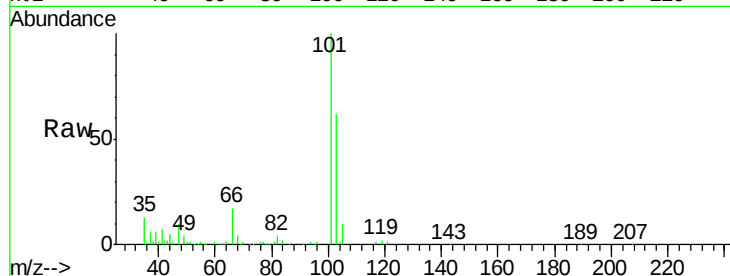
VSTDIC100

Tgt Ion:101 Resp: 354945

Ion Ratio Lower Upper

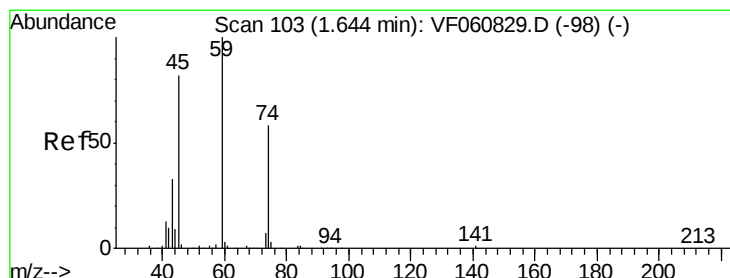
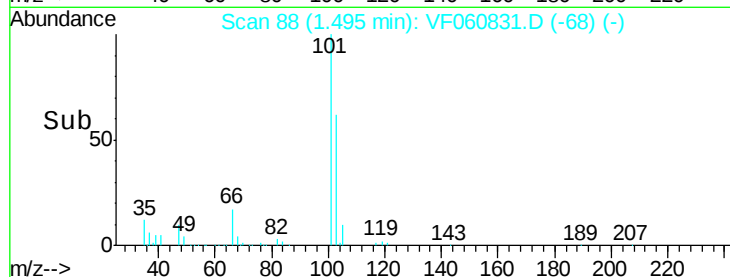
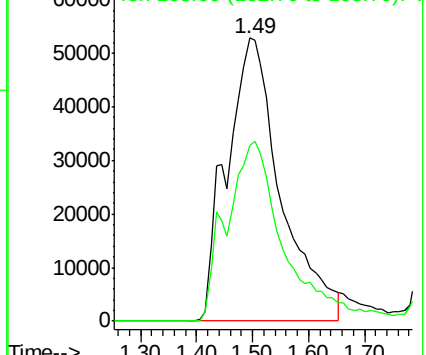
101 100

103 62.0 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: 93.131 ug/l

RT: 1.64 min Scan# 103

Delta R.T. -0.00 min

Lab File: VF060831.D

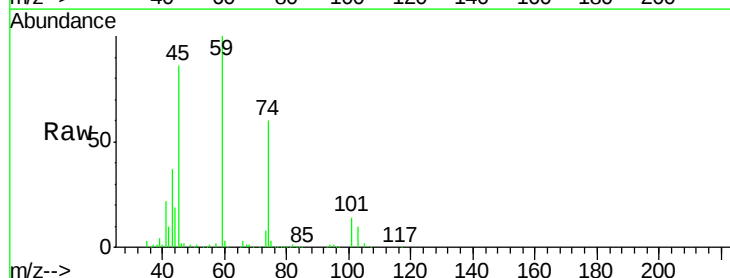
Acq: 26 Nov 2018 19:28

Tgt Ion: 74 Resp: 49539

Ion Ratio Lower Upper

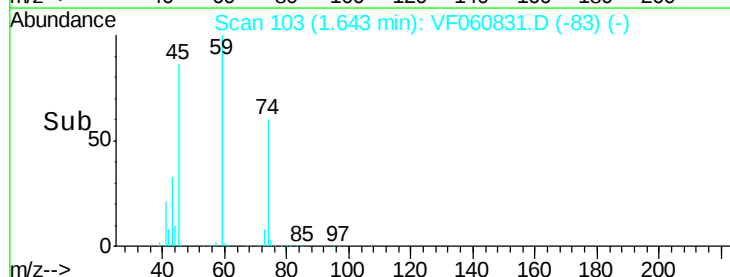
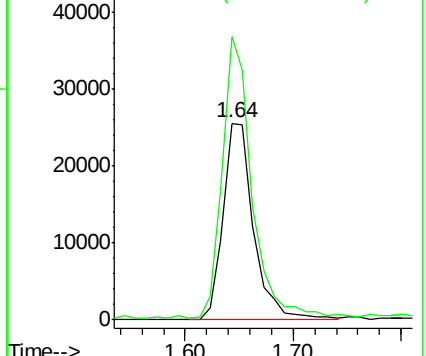
74 100

45 143.7 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: 91.370 ug/l

RT: 1.85 min Scan# 124

Delta R.T. 0.02 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

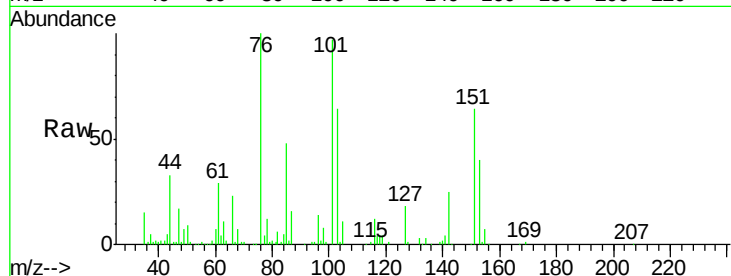
Tgt Ion:101 Resp: 178530

Ion Ratio Lower Upper

101 100

85 49.8 42.8 64.2

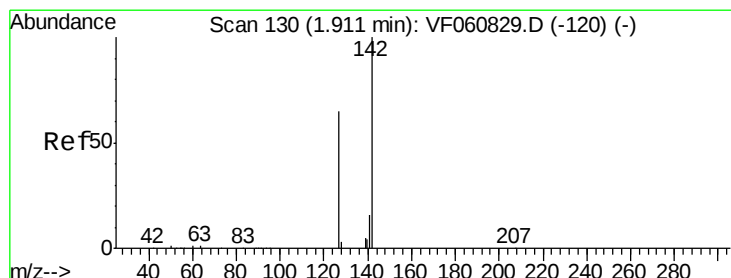
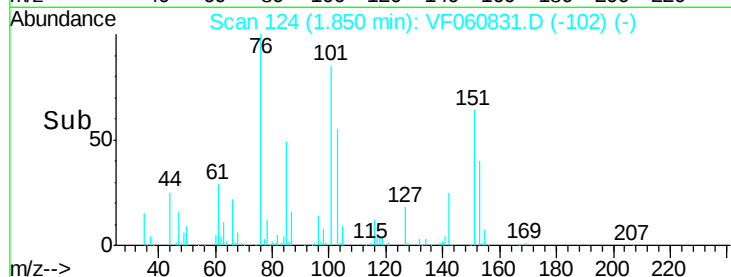
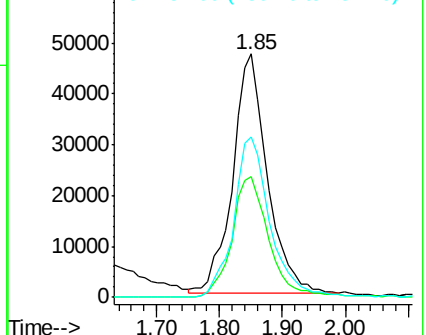
151 65.7 54.4 81.6



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: 73.422 ug/l

RT: 1.92 min Scan# 131

Delta R.T. 0.01 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

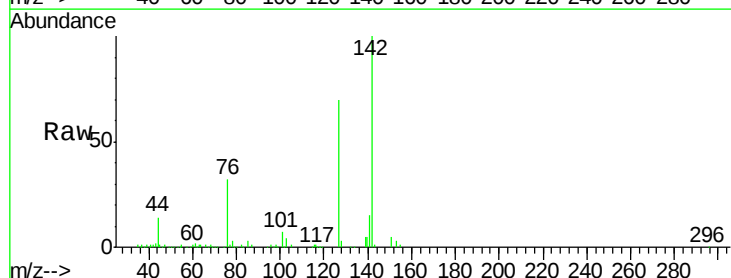
Tgt Ion:142 Resp: 228547

Ion Ratio Lower Upper

142 100

127 69.7 51.9 77.9

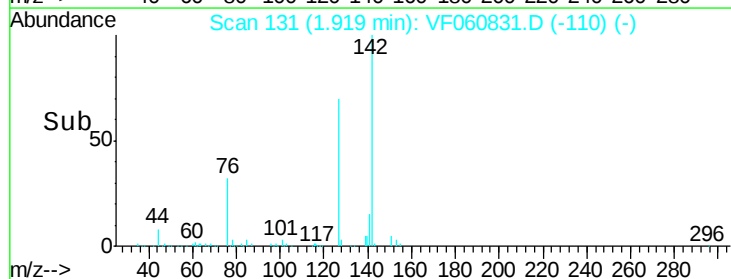
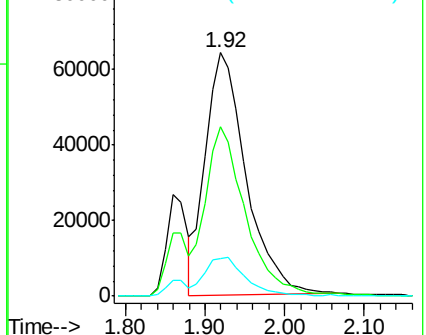
141 15.4 12.7 19.1

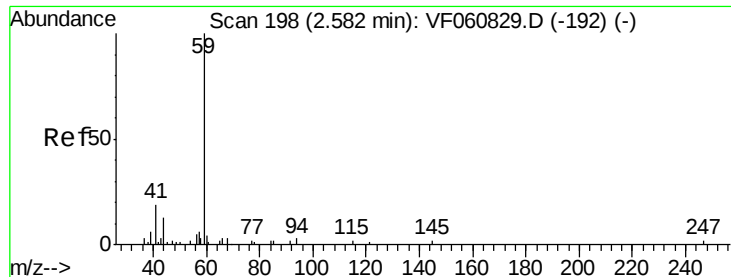


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

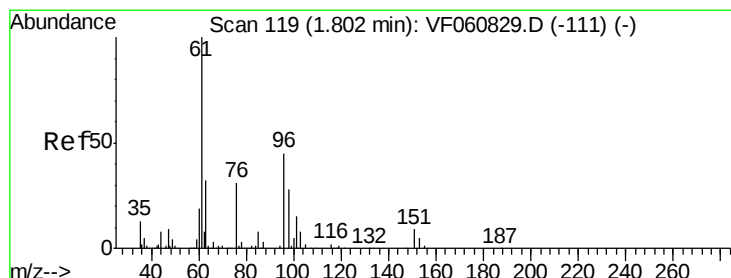
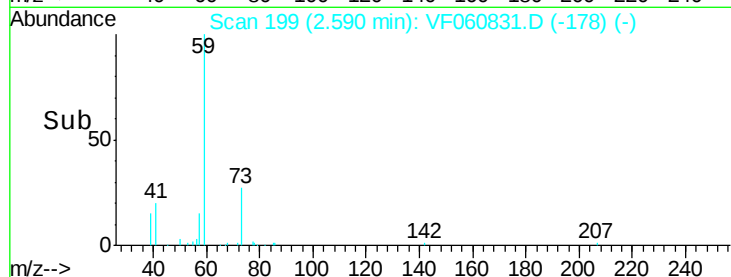
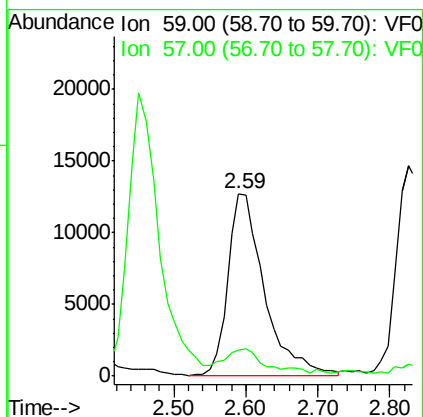
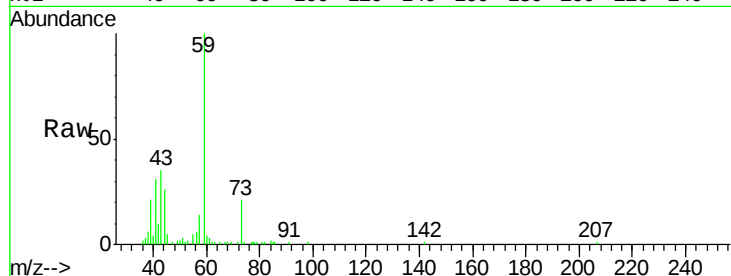




#11
Tert butyl alcohol
Concen: 461.212 ug/l
RT: 2.59 min Scan# 199
Delta R.T. 0.01 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

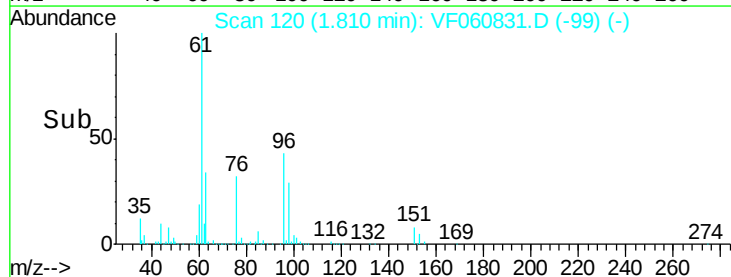
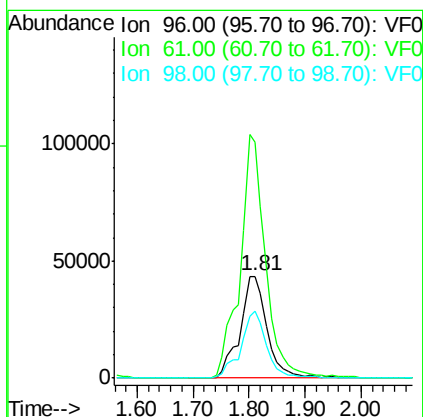
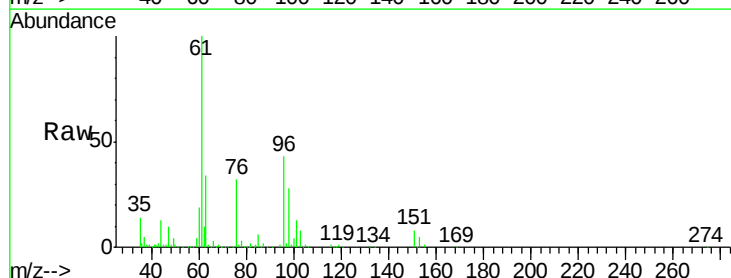
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

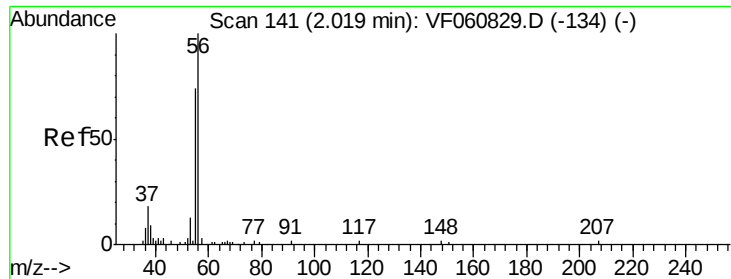
Tgt Ion: 59 Resp: 45285
Ion Ratio Lower Upper
59 100
57 14.2 12.7 19.1



#12
1,1-Dichloroethene
Concen: 93.261 ug/l
RT: 1.81 min Scan# 120
Delta R.T. 0.01 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

Tgt Ion: 96 Resp: 145081
Ion Ratio Lower Upper
96 100
61 232.8 177.3 265.9
98 66.3 49.6 74.4





#13

Acrolein

Concen: 496.670 ug/l

RT: 2.03 min Scan# 142

Delta R.T. 0.01 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Instrument :

MSVOA_F

ClientSampleId :

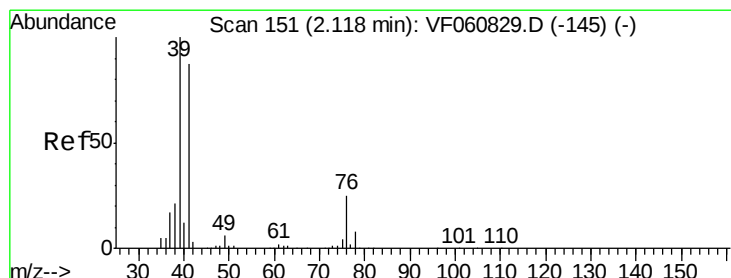
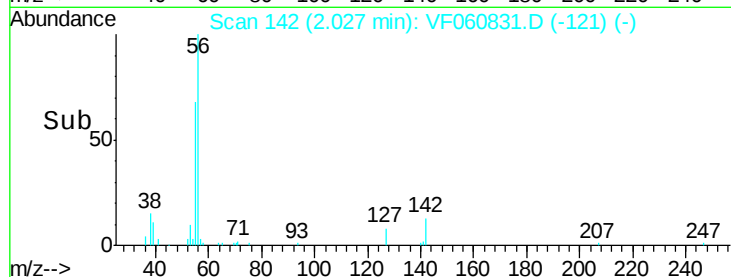
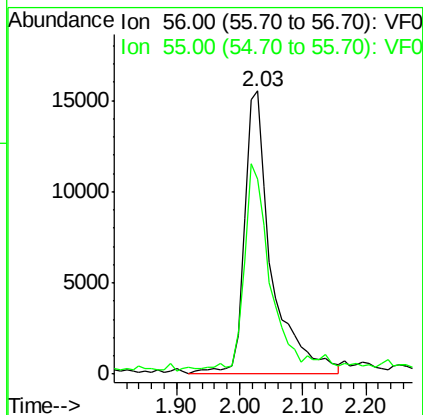
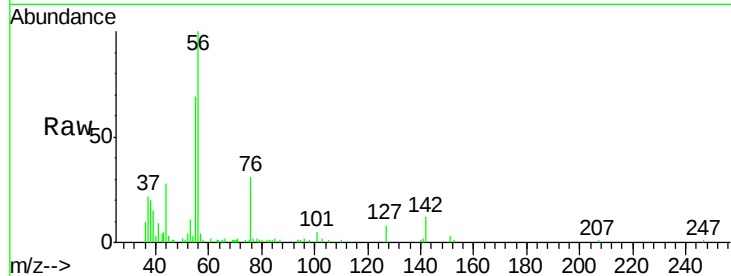
VSTDIC100

Tgt Ion: 56 Resp: 46110

Ion Ratio Lower Upper

56 100

55 69.1 61.2 91.8



#14

Allyl chloride

Concen: 71.001 ug/l

RT: 2.12 min Scan# 151

Delta R.T. -0.00 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

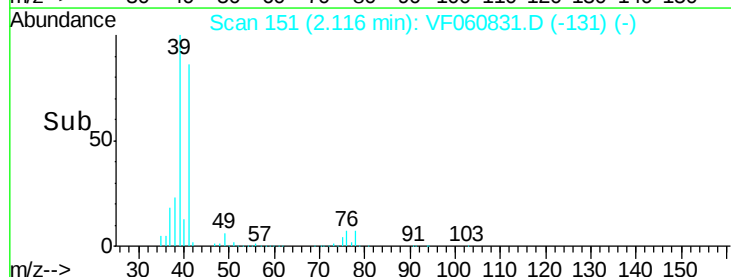
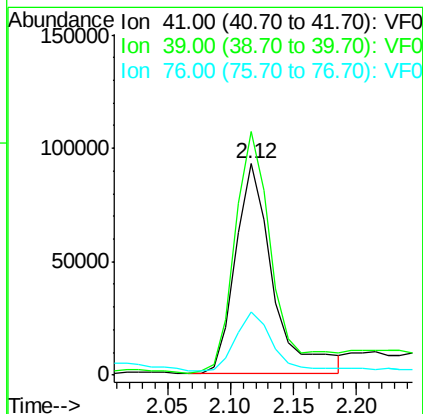
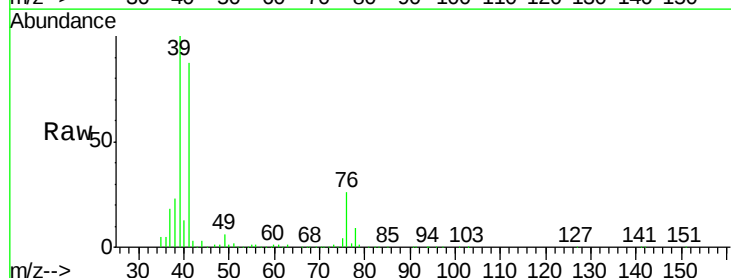
Tgt Ion: 41 Resp: 192266

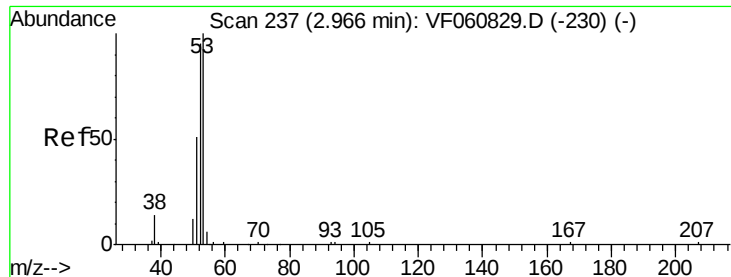
Ion Ratio Lower Upper

41 100

39 115.4 91.7 137.5

76 30.2 23.5 35.3





#15

Acrylonitrile

Concen: 485.978 ug/l

RT: 2.97 min Scan# 238

Delta R.T. 0.01 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

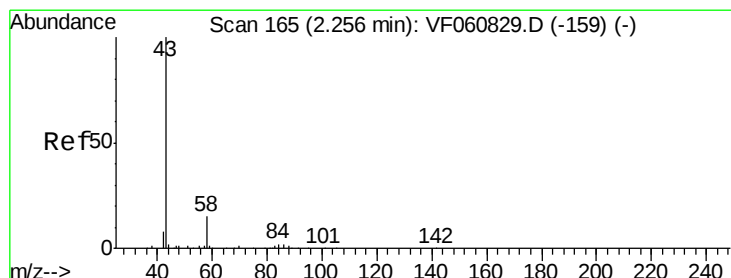
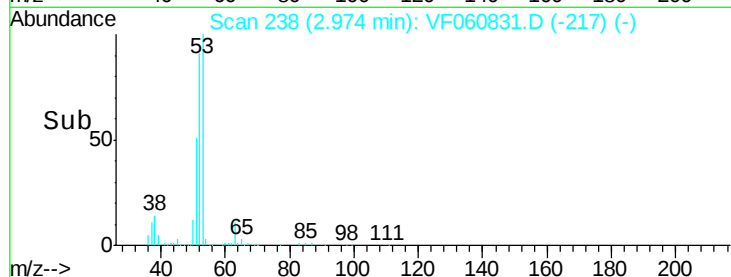
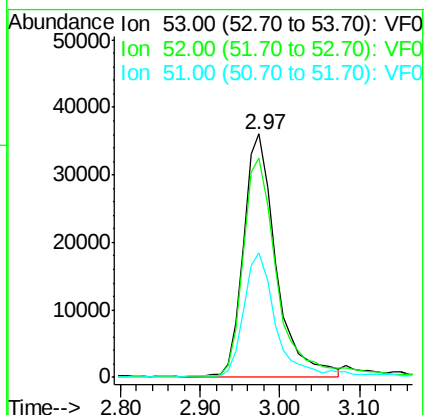
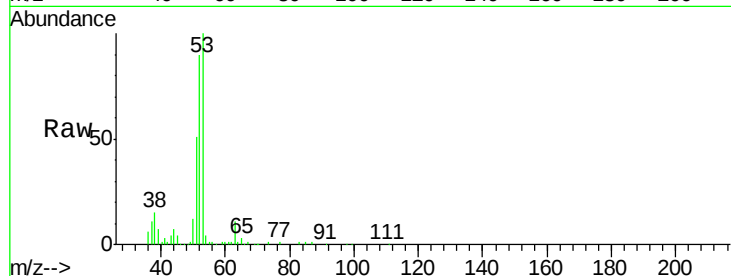
Tgt Ion: 53 Resp: 101937

Ion Ratio Lower Upper

53 100

52 90.2 76.5 114.7

51 51.2 40.7 61.1



#16

Acetone

Concen: 419.725 ug/l

RT: 2.26 min Scan# 166

Delta R.T. 0.01 min

Lab File: VF060831.D

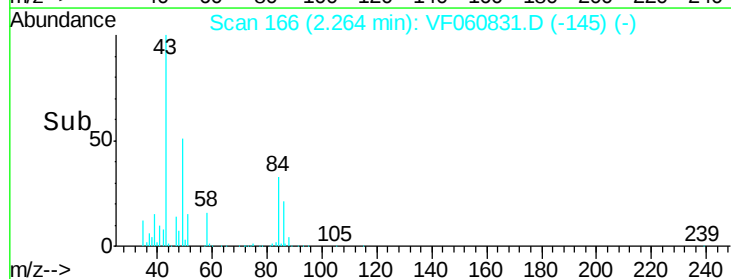
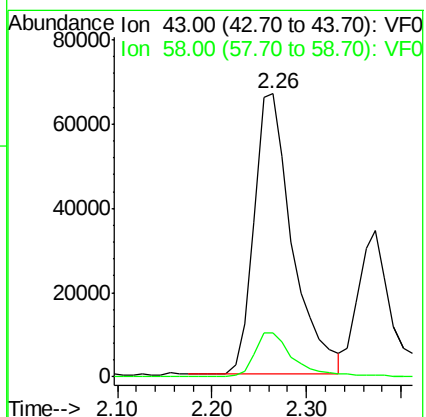
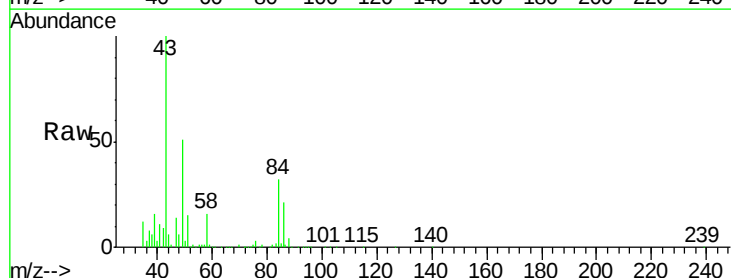
Acq: 26 Nov 2018 19:28

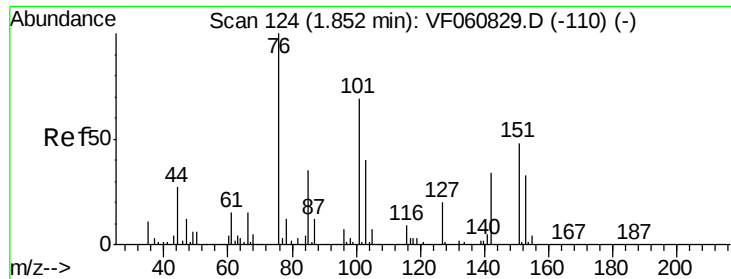
Tgt Ion: 43 Resp: 188384

Ion Ratio Lower Upper

43 100

58 15.7 11.4 17.2

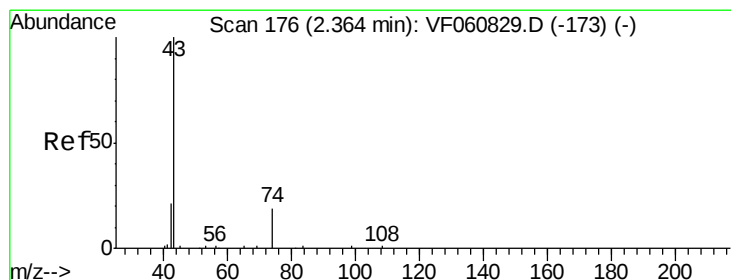
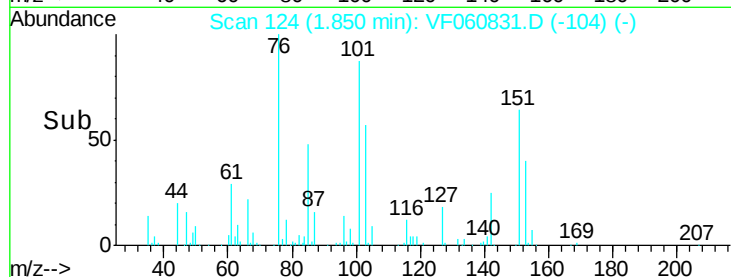
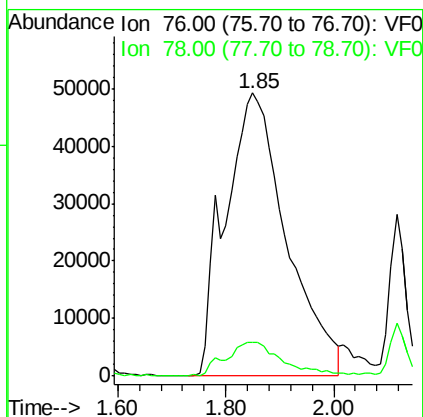
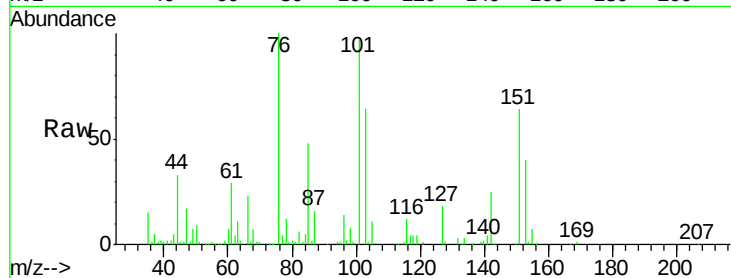




#17
Carbon Disulfide
Concen: 85.092 ug/l
RT: 1.85 min Scan# 124
Delta R.T. -0.00 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

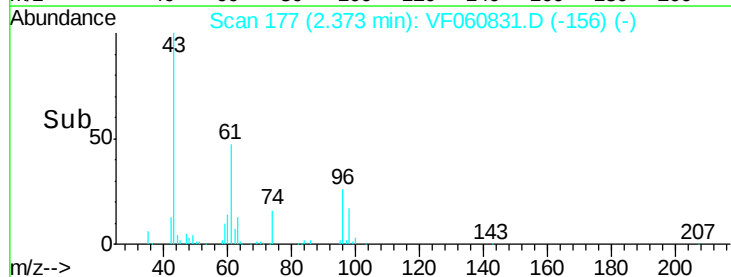
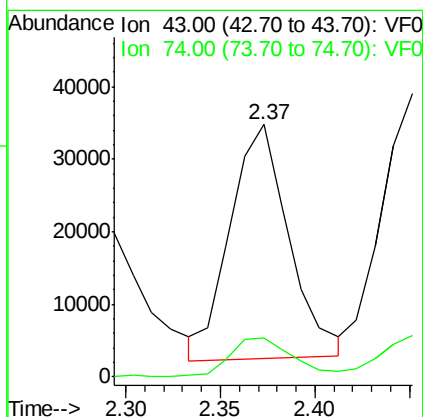
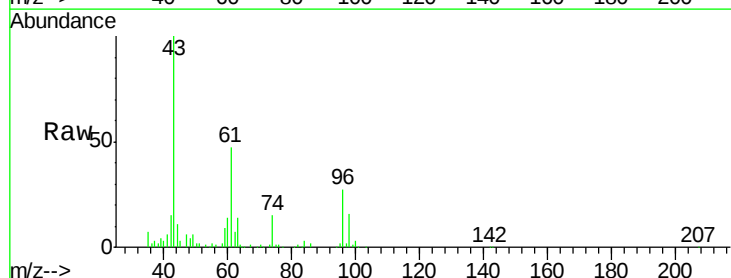
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

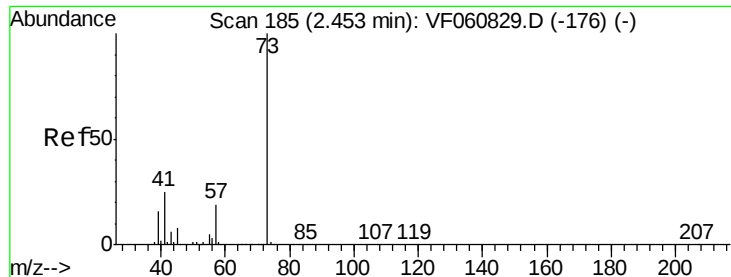
Tgt Ion: 76 Resp: 388521
Ion Ratio Lower Upper
76 100
78 11.9 10.2 15.2



#18
Methyl Acetate
Concen: 93.204 ug/l
RT: 2.37 min Scan# 177
Delta R.T. 0.01 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

Tgt Ion: 43 Resp: 69873
Ion Ratio Lower Upper
43 100
74 15.4 13.3 19.9

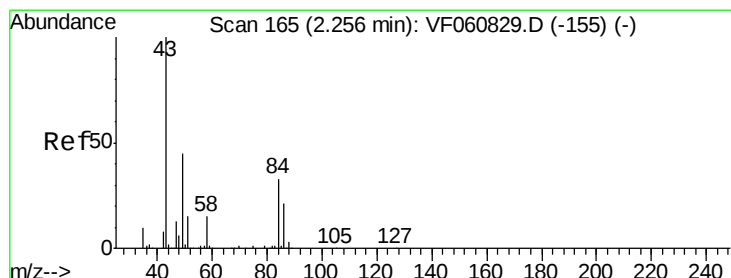
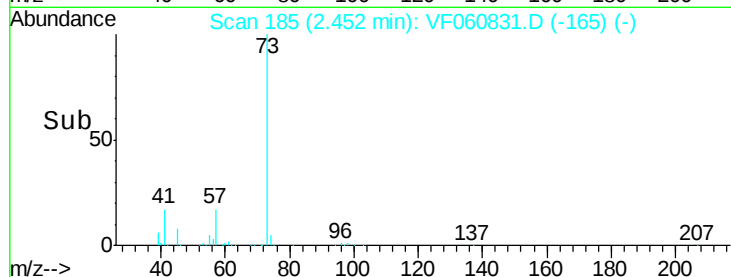
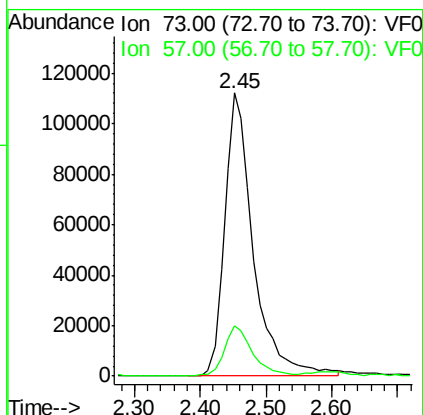
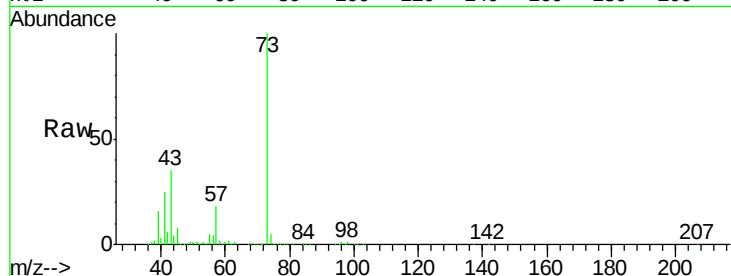




#19
Methyl tert-butyl Ether
Concen: 92.782 ug/l
RT: 2.45 min Scan# 185
Delta R.T. -0.00 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

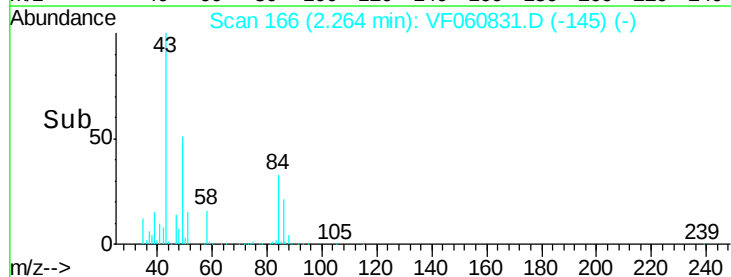
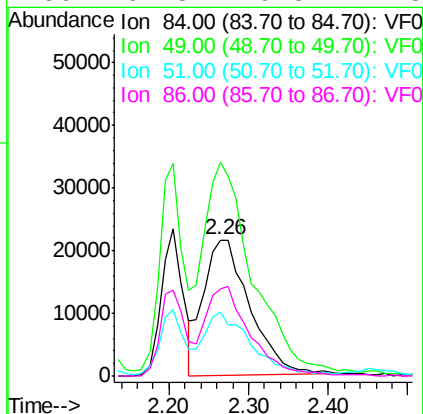
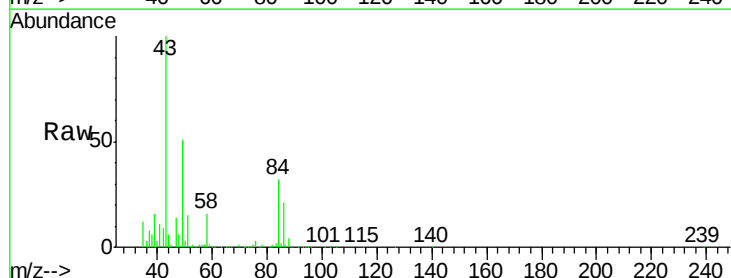
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

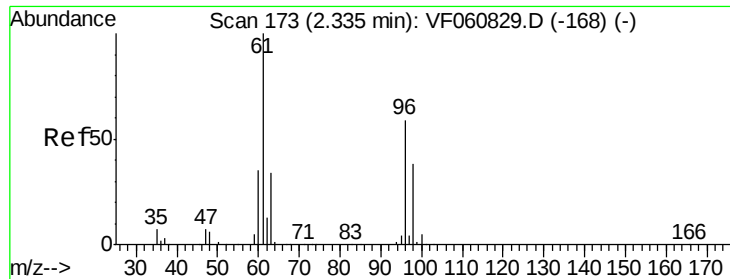
Tgt Ion: 73 Resp: 340531
Ion Ratio Lower Upper
73 100
57 17.6 15.3 22.9



#20
Methylene Chloride
Concen: 50.636 ug/l
RT: 2.26 min Scan# 166
Delta R.T. 0.01 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

Tgt Ion: 84 Resp: 87502
Ion Ratio Lower Upper
84 100
49 157.0 111.3 166.9
51 47.4 38.0 57.0
86 64.3 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 90.565 ug/l

RT: 2.33 min Scan# 173

Delta R.T. -0.00 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

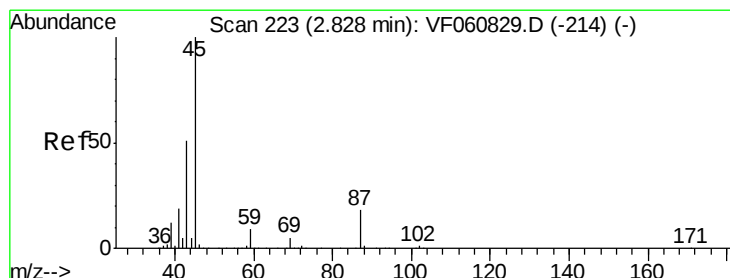
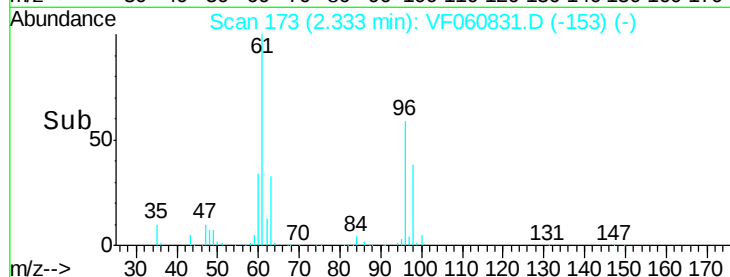
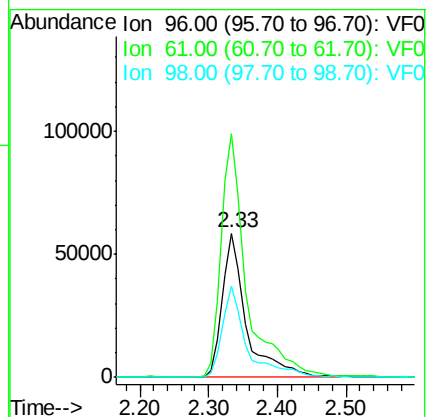
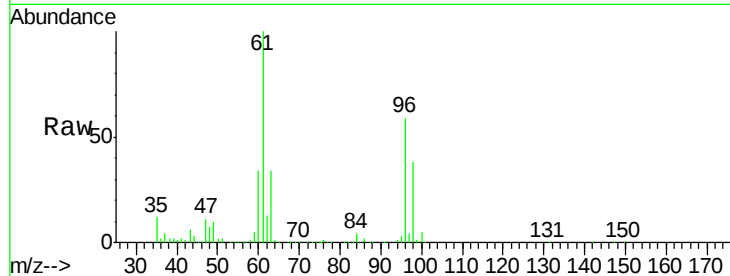
Tgt Ion: 96 Resp: 143482

Ion Ratio Lower Upper

96 100

61 169.3 134.5 201.7

98 63.8 51.6 77.4



#22

Diisopropyl ether

Concen: 95.039 ug/l

RT: 2.83 min Scan# 223

Delta R.T. -0.00 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Tgt Ion: 45 Resp: 497766

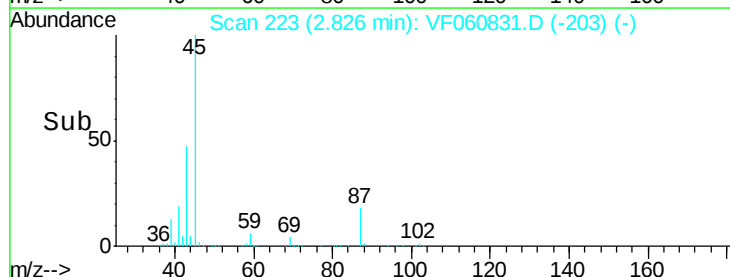
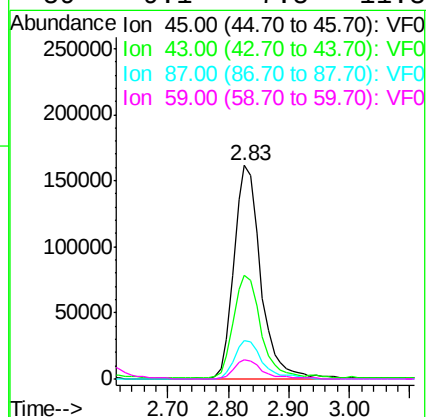
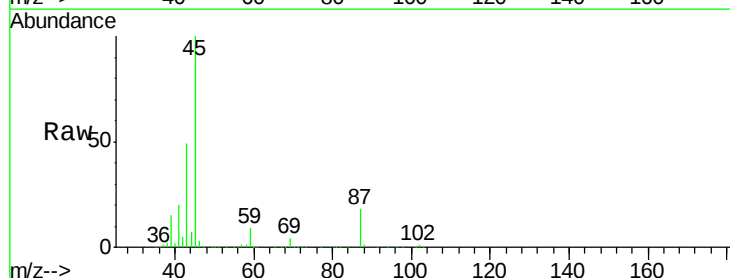
Ion Ratio Lower Upper

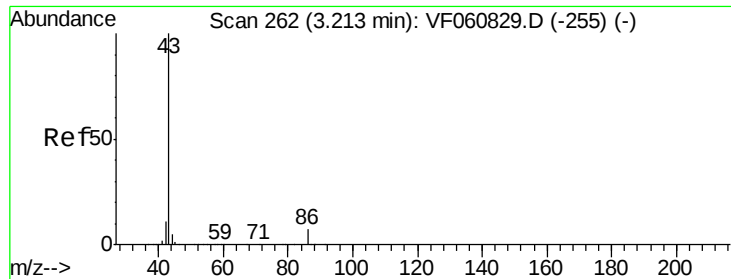
45 100

43 48.5 41.0 61.6

87 17.8 14.6 22.0

59 9.1 7.5 11.3





#23

Vinyl Acetate

Concen: 488.730 ug/l

RT: 3.22 min Scan# 263

Delta R.T. 0.01 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Instrument :

MSVOA_F

ClientSampleId :

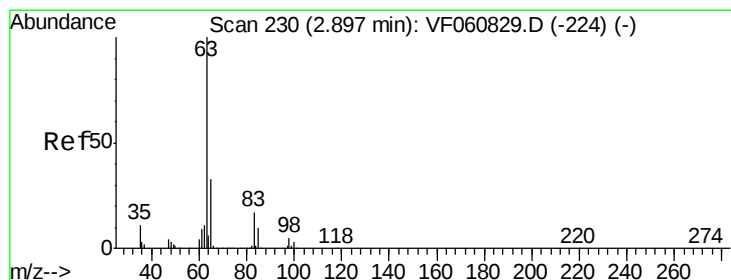
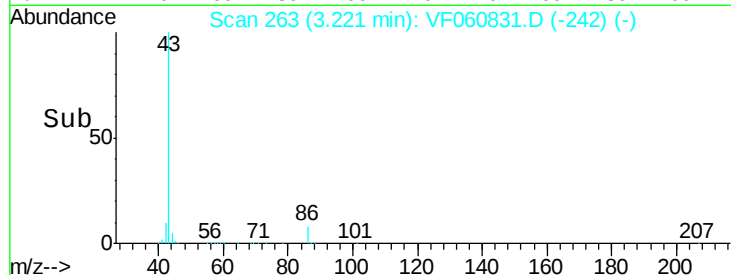
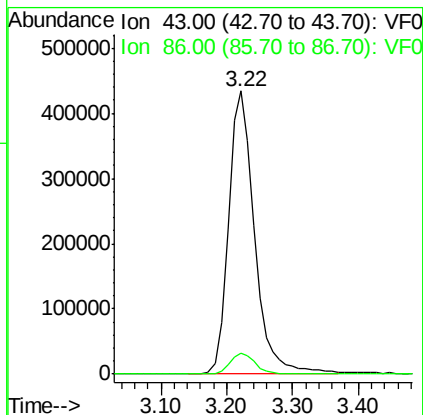
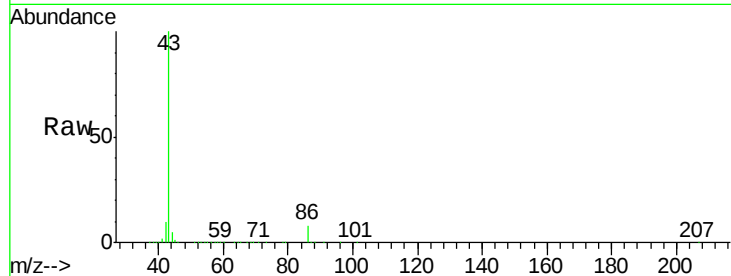
VSTDIC100

Tgt Ion: 43 Resp: 1191477

Ion Ratio Lower Upper

43 100

86 7.5 5.4 8.0



#24

1,1-Dichloroethane

Concen: 97.524 ug/l

RT: 2.91 min Scan# 231

Delta R.T. 0.01 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

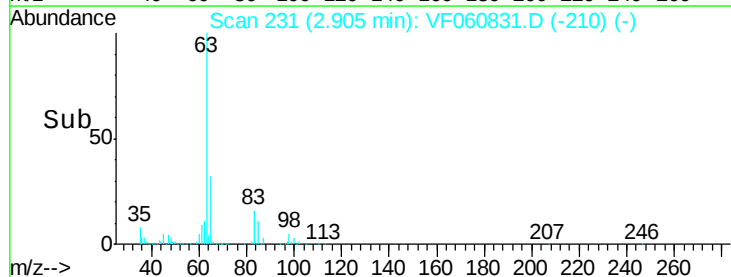
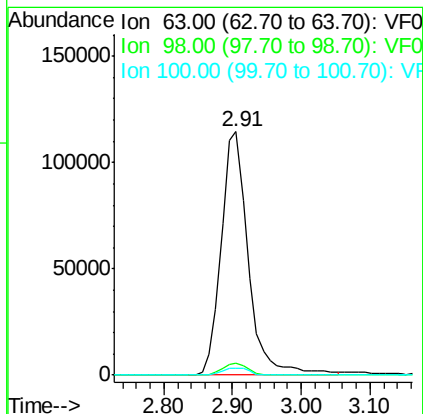
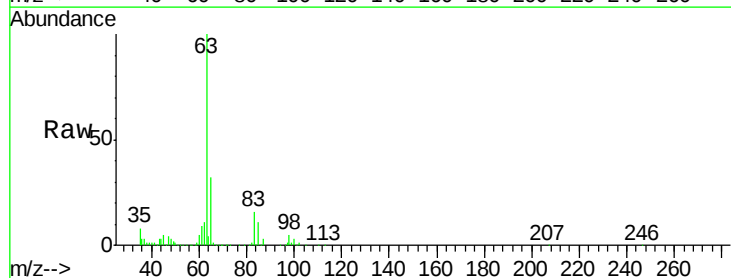
Tgt Ion: 63 Resp: 312266

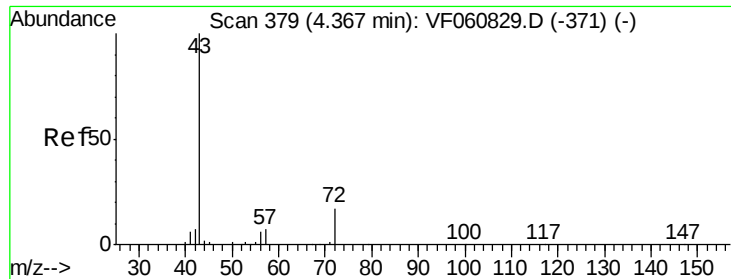
Ion Ratio Lower Upper

63 100

98 5.0 2.7 8.1

100 3.0 1.5 4.5





#25

2-Butanone

Concen: 443.084 ug/l

RT: 4.38 min Scan# 380

Delta R.T. 0.01 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Instrument :

MSVOA_F

ClientSampleId :

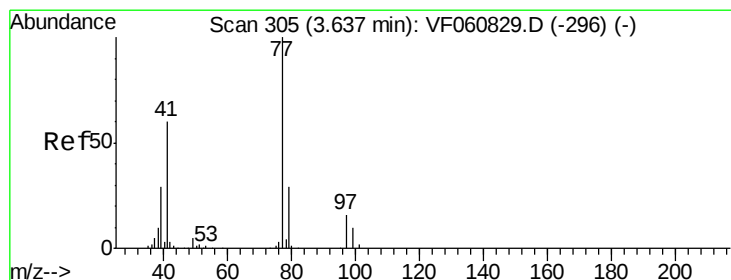
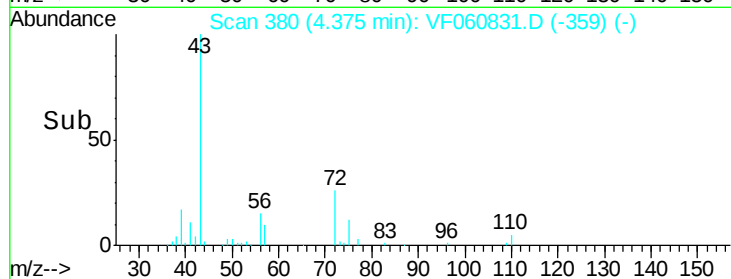
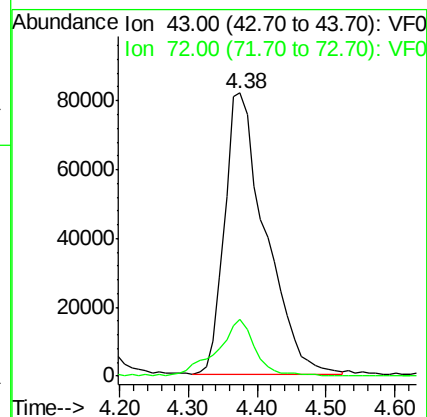
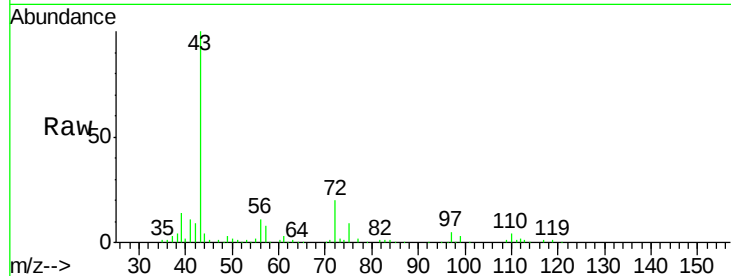
VSTDIC100

Tgt Ion: 43 Resp: 335450

Ion Ratio Lower Upper

43 100

72 20.2 15.4 23.2



#26

2,2-Dichloropropane

Concen: 76.740 ug/l

RT: 3.64 min Scan# 305

Delta R.T. -0.00 min

Lab File: VF060831.D

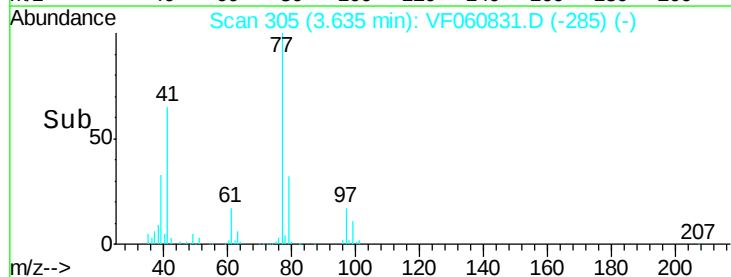
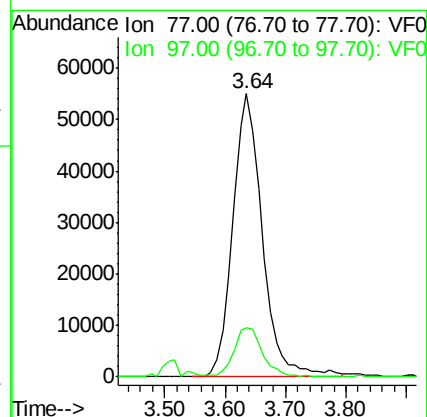
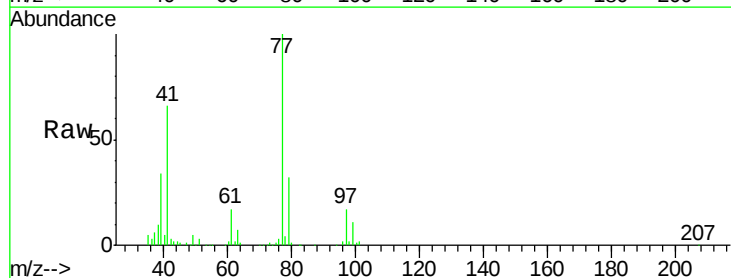
Acq: 26 Nov 2018 19:28

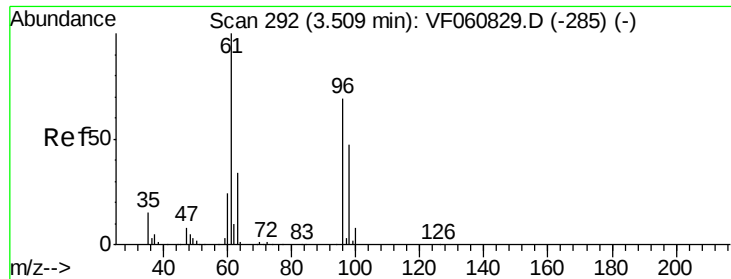
Tgt Ion: 77 Resp: 186893

Ion Ratio Lower Upper

77 100

97 17.4 8.6 25.8



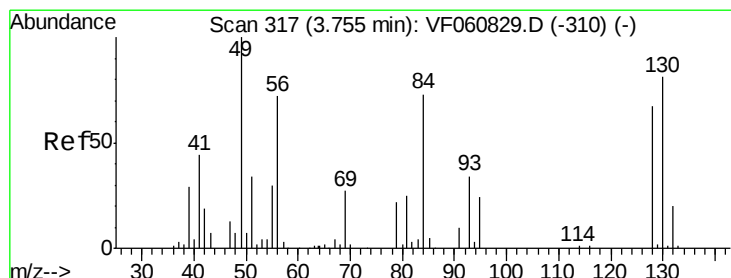
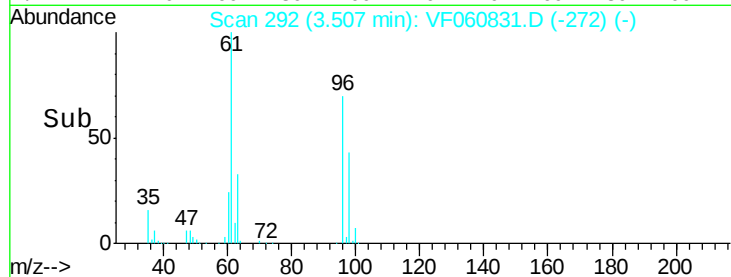
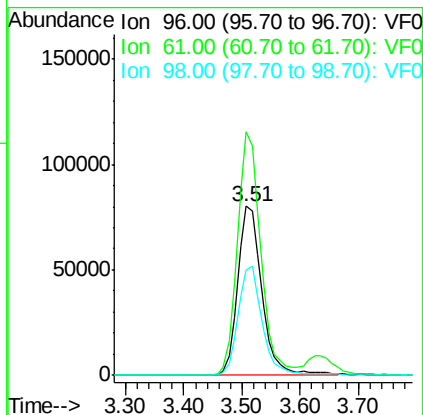
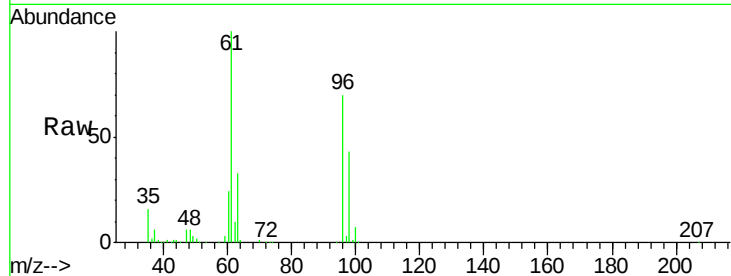


#27

cis-1,2-Dichloroethene
Concen: 86.274 ug/l
RT: 3.51 min Scan# 292
Delta R.T. -0.00 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

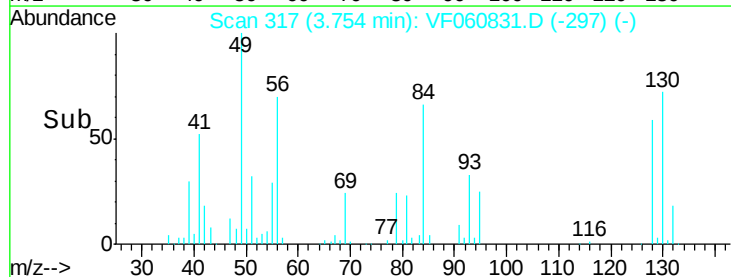
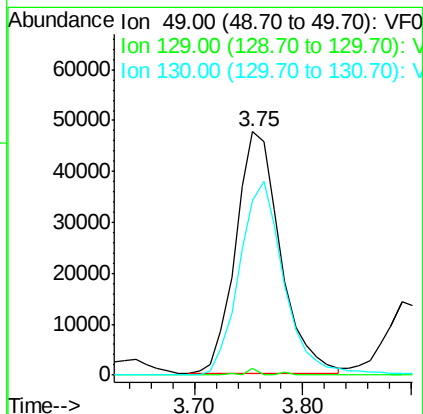
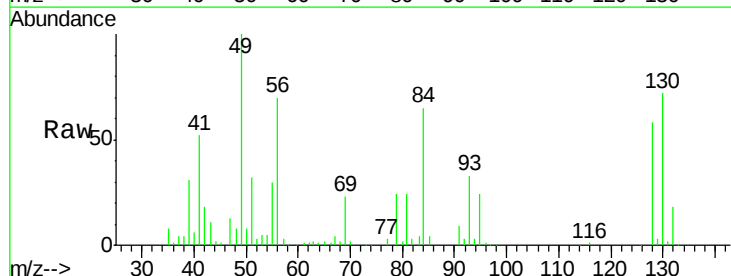
Tgt Ion: 96 Resp: 232236
Ion Ratio Lower Upper
96 100
61 143.8 0.0 290.6
98 62.4 0.0 137.8

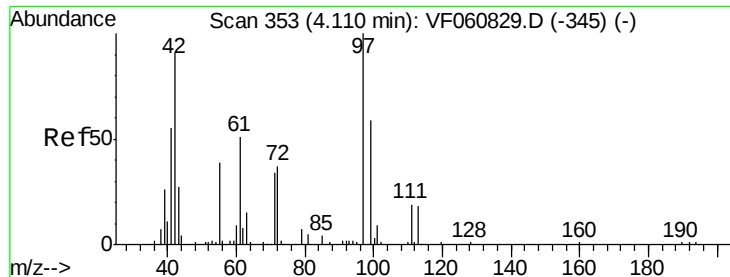


#28

Bromochloromethane
Concen: 84.248 ug/l
RT: 3.75 min Scan# 317
Delta R.T. -0.00 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

Tgt Ion: 49 Resp: 136157
Ion Ratio Lower Upper
49 100
129 3.0 0.0 4.4
130 71.8 64.2 96.4

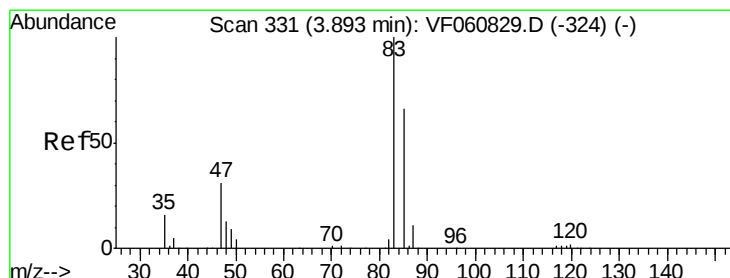
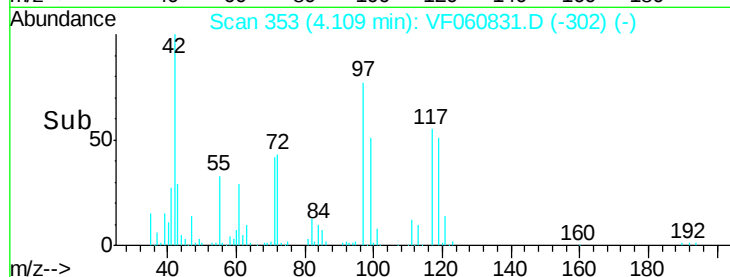
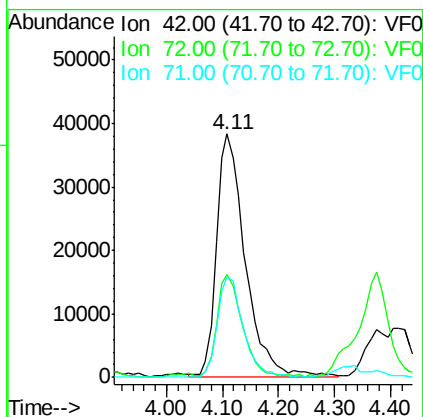
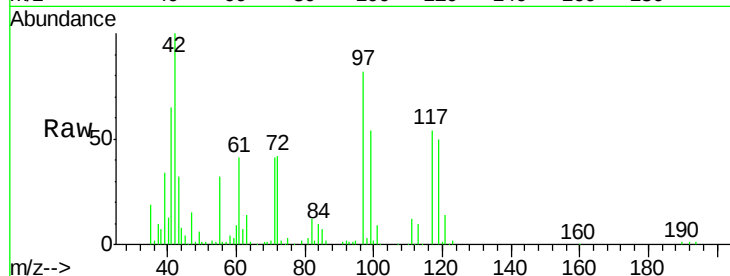




#29
Tetrahydrofuran
Concen: 435.557 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.00 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

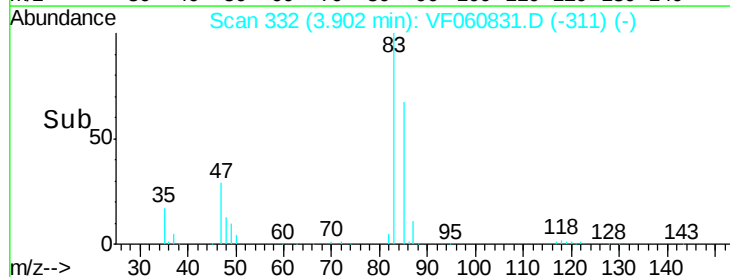
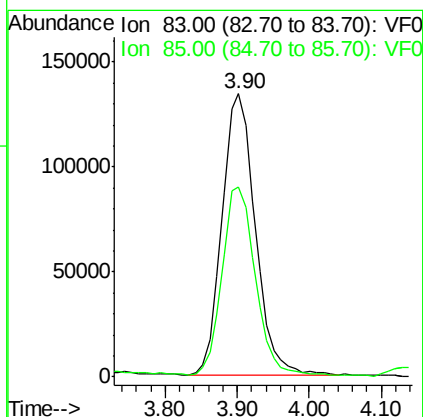
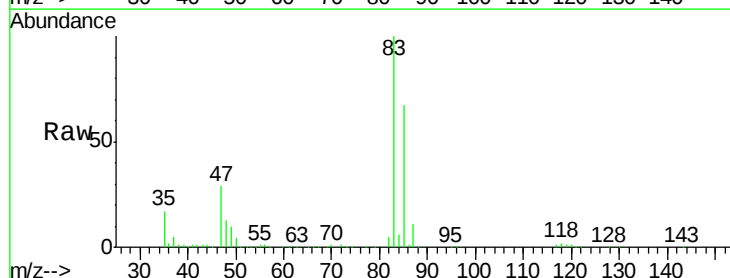
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

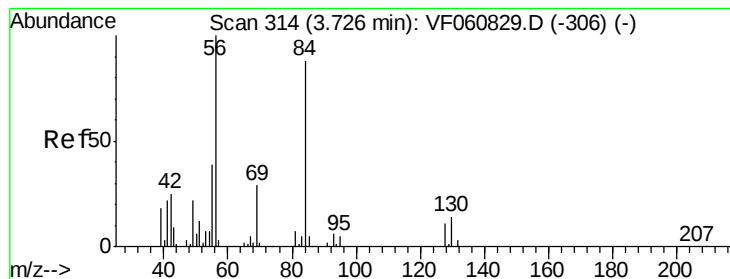
Tgt Ion: 42 Resp: 136250
Ion Ratio Lower Upper
42 100
72 37.7 31.9 47.9
71 37.7 28.7 43.1



#30
Chloroform
Concen: 86.183 ug/l
RT: 3.90 min Scan# 332
Delta R.T. 0.01 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

Tgt Ion: 83 Resp: 431747
Ion Ratio Lower Upper
83 100
85 67.1 53.4 80.2





#31

Cyclohexane

Concen: 47.163 ug/l

RT: 3.73 min Scan# 315

Delta R.T. 0.01 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

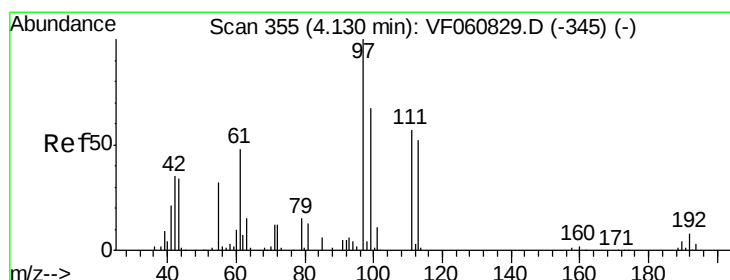
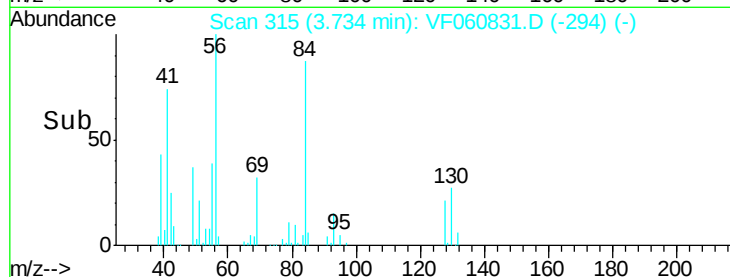
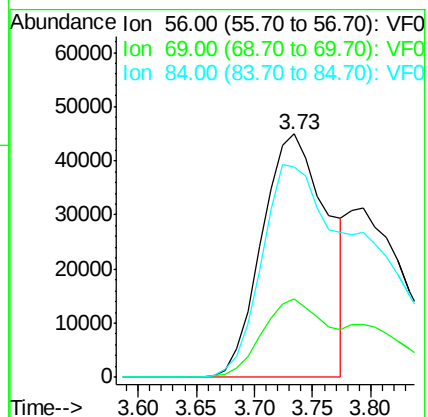
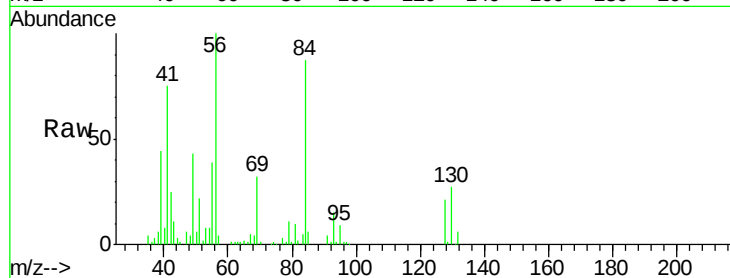
Tgt Ion: 56 Resp: 176953

Ion Ratio Lower Upper

56 100

69 32.2 23.0 34.4

84 86.5 70.4 105.6



#32

1,1,1-Trichloroethane

Concen: 76.509 ug/l

RT: 4.14 min Scan# 356

Delta R.T. 0.01 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

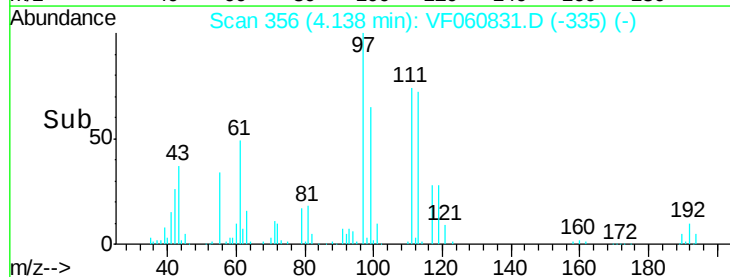
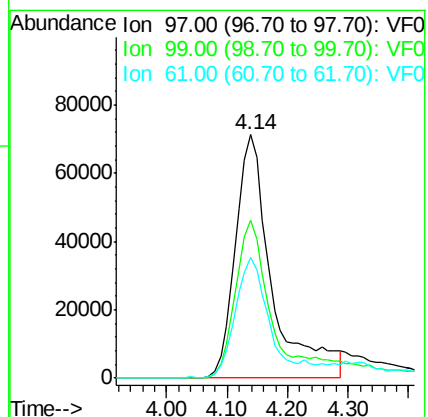
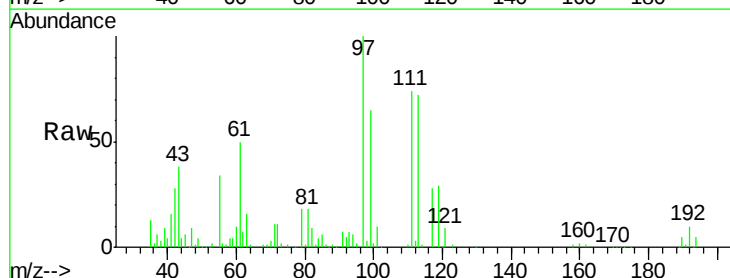
Tgt Ion: 97 Resp: 300885

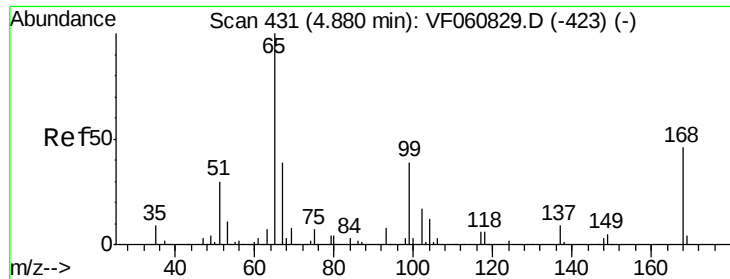
Ion Ratio Lower Upper

97 100

99 65.0 53.5 80.3

61 49.7 38.6 58.0





#33

1,2-Dichloroethane-d4

Concen: 108.882 ug/l

RT: 4.89 min Scan# 432

Delta R.T. 0.01 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Instrument :

MSVOA_F

ClientSampleId :

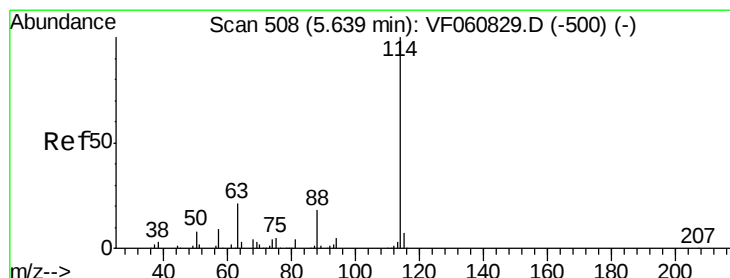
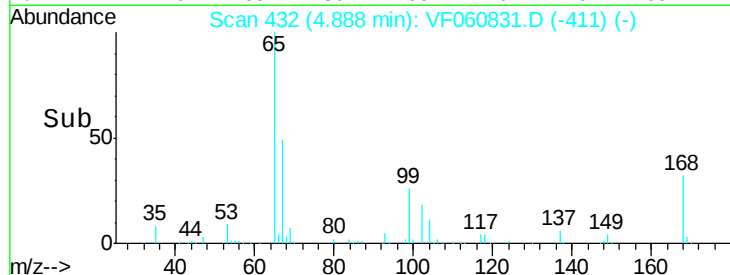
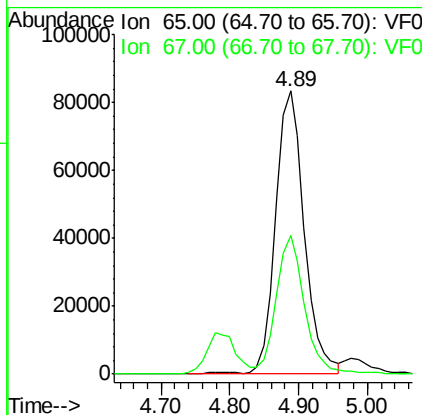
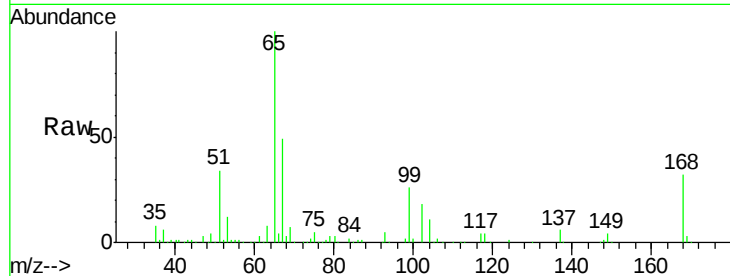
VSTDIC100

Tgt Ion: 65 Resp: 242170

Ion Ratio Lower Upper

65 100

67 49.0 0.0 96.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 508

Delta R.T. -0.00 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

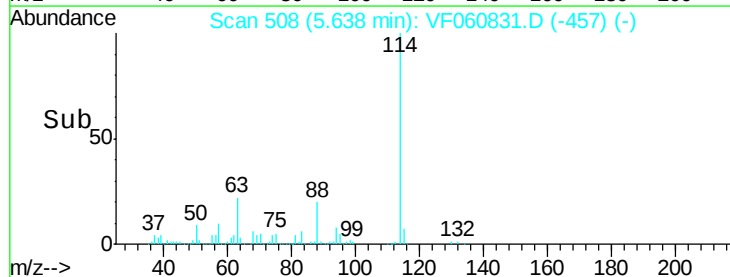
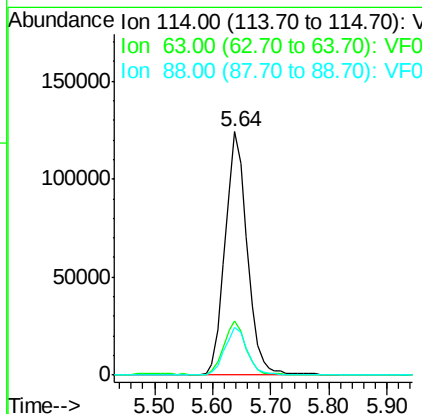
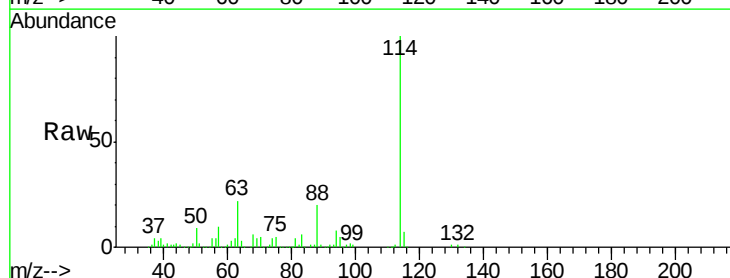
Tgt Ion: 114 Resp: 328753

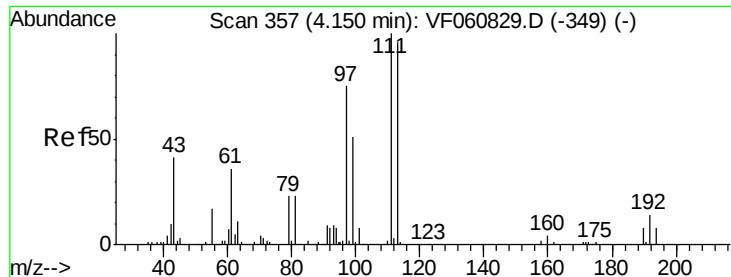
Ion Ratio Lower Upper

114 100

63 22.1 0.0 41.6

88 19.8 0.0 36.6

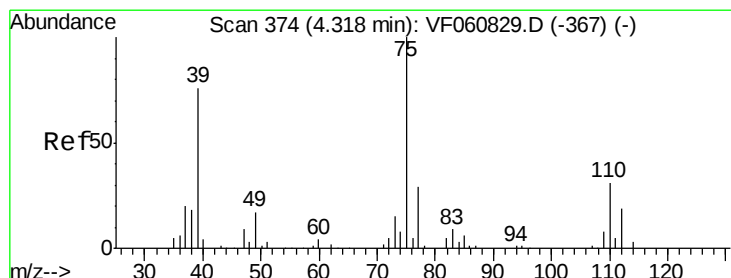
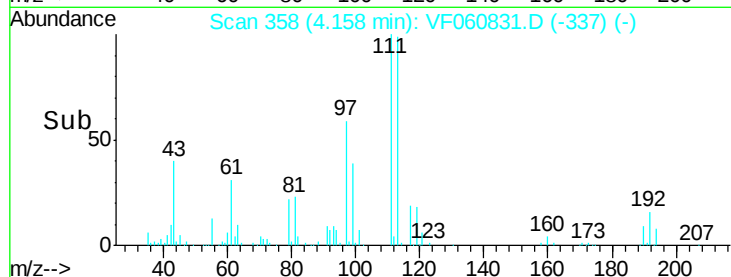
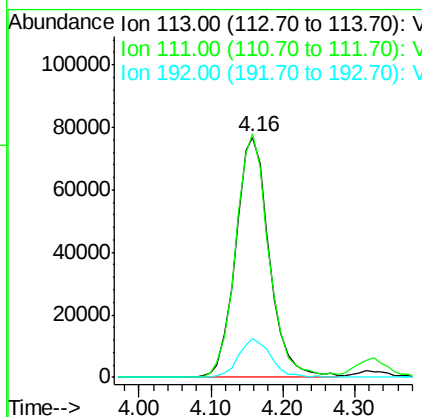
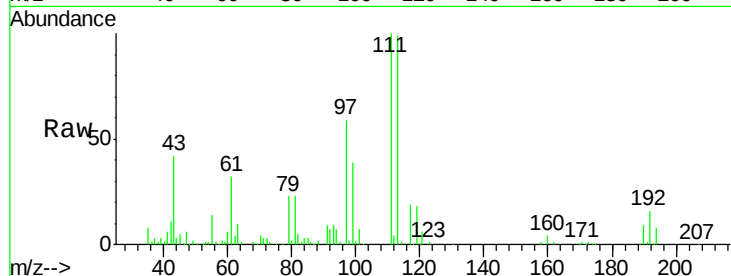




#35
 Dibromofluoromethane
 Concen: 98.452 ug/l
 RT: 4.16 min Scan# 358
 Delta R.T. 0.01 min
 Lab File: VF060831.D
 Acq: 26 Nov 2018 19:28

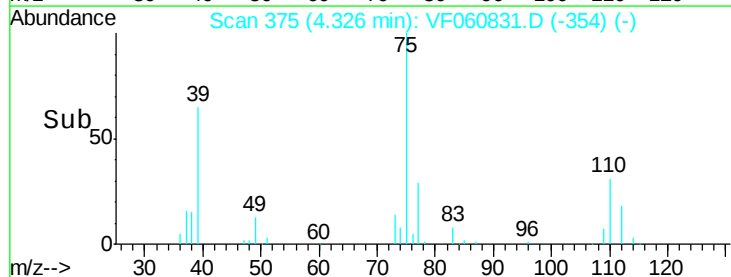
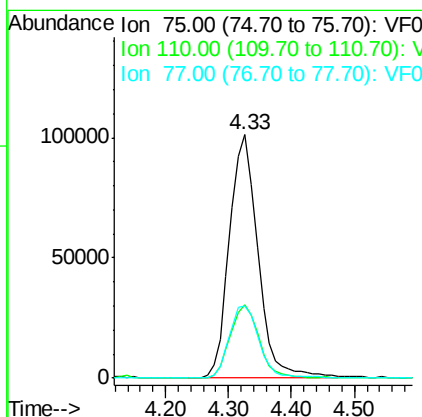
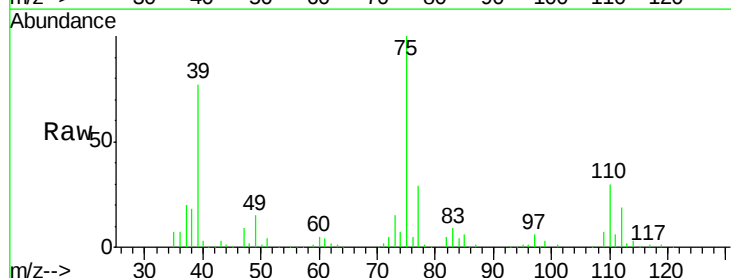
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

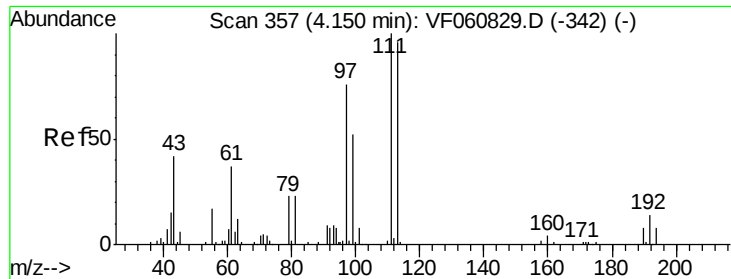
Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.5	83.0	124.6
192	15.9	12.3	18.5



#36
 1,1-Dichloropropene
 Concen: 84.012 ug/l
 RT: 4.33 min Scan# 375
 Delta R.T. 0.01 min
 Lab File: VF060831.D
 Acq: 26 Nov 2018 19:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.4	15.6	46.8
77	29.4	23.4	35.0

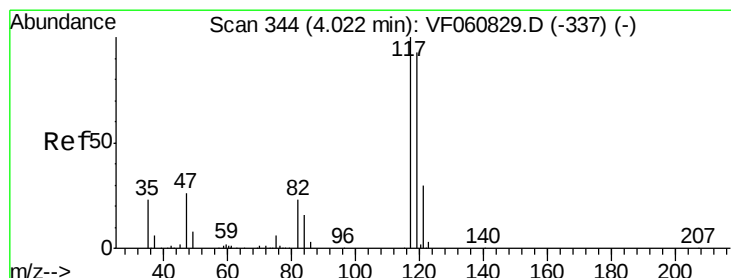
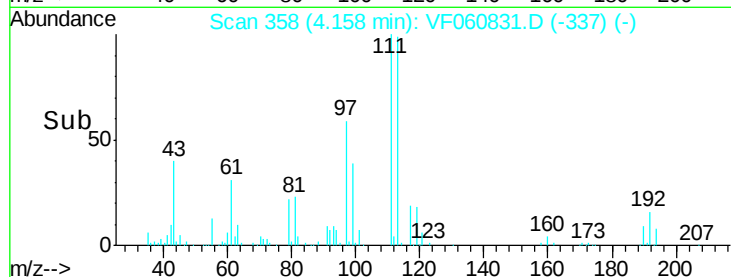
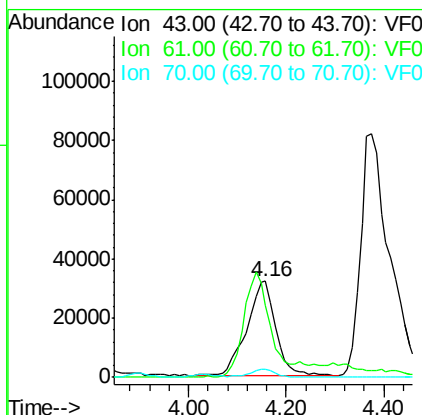
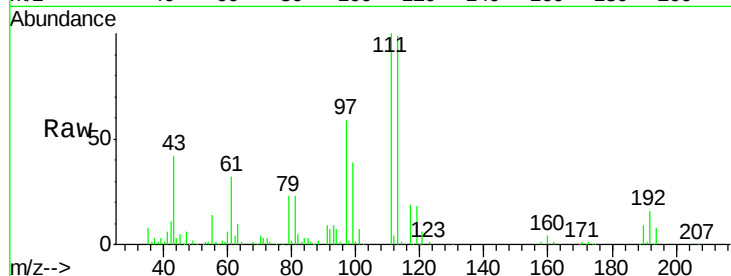




#37
Ethyl Acetate
Concen: 90.901 ug/l
RT: 4.16 min Scan# 358
Delta R.T. 0.01 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

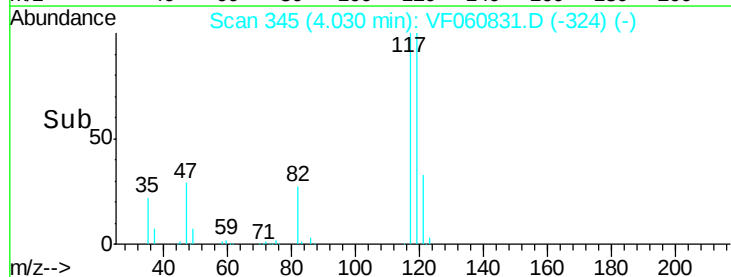
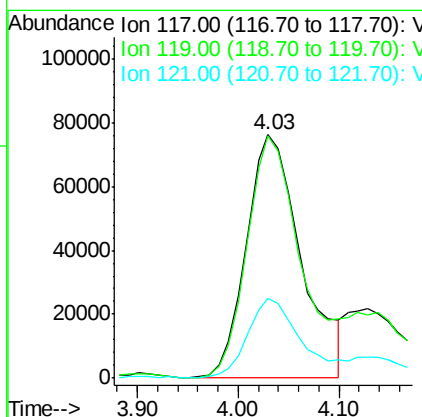
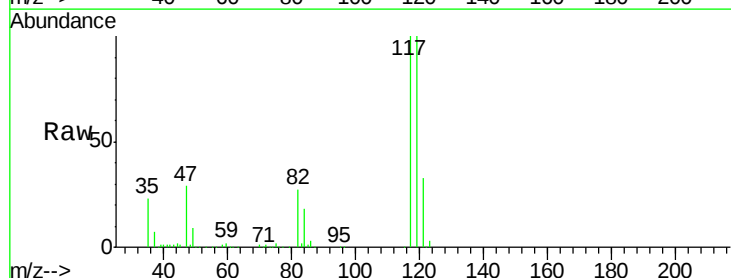
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

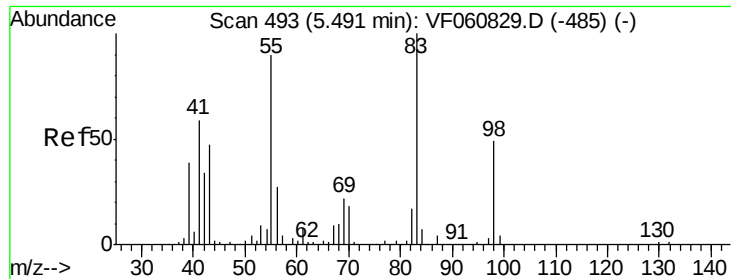
Tgt Ion: 43 Resp: 130118
Ion Ratio Lower Upper
43 100
61 75.9 68.6 103.0
70 9.1 9.0 13.4



#38
Carbon Tetrachloride
Concen: 78.131 ug/l
RT: 4.03 min Scan# 345
Delta R.T. 0.01 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

Tgt Ion: 117 Resp: 288250
Ion Ratio Lower Upper
117 100
119 99.7 74.4 111.6
121 32.5 23.5 35.3

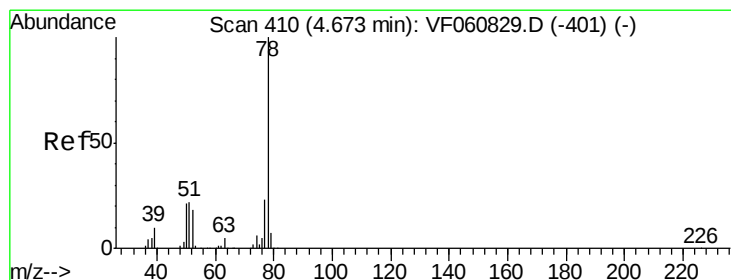
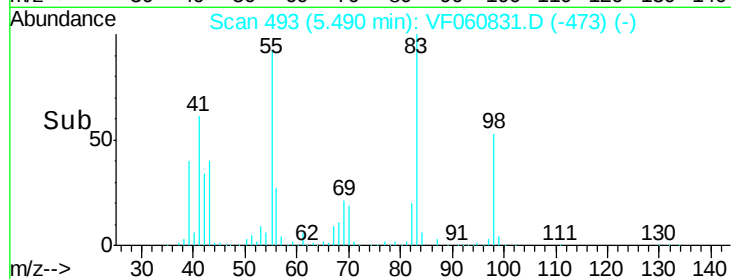
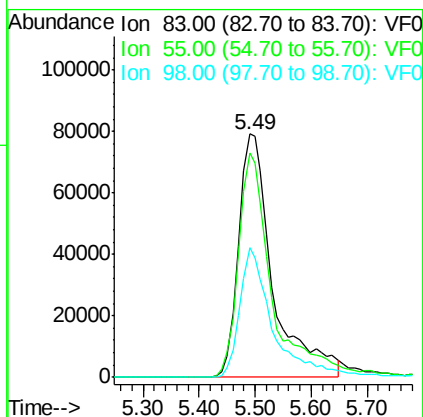
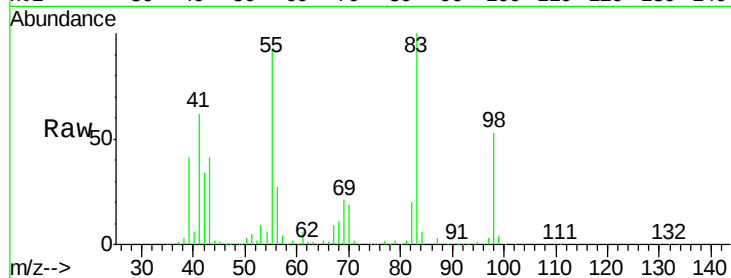




#39
Methylcyclohexane
Concen: 77.916 ug/l
RT: 5.49 min Scan# 493
Delta R.T. -0.00 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

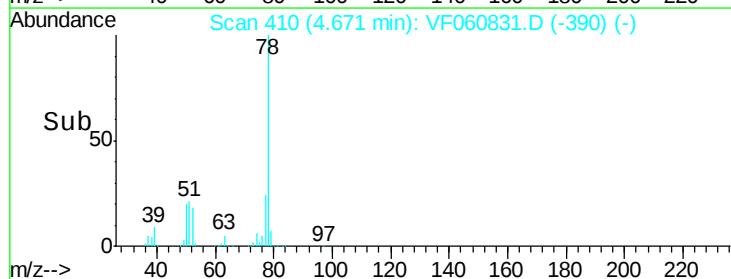
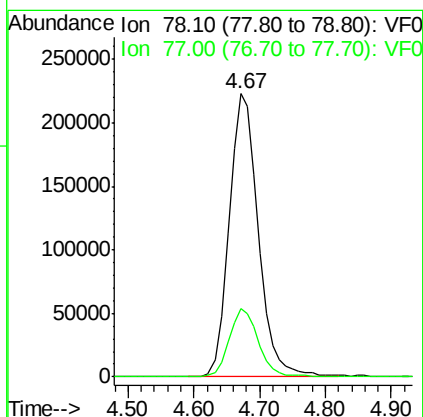
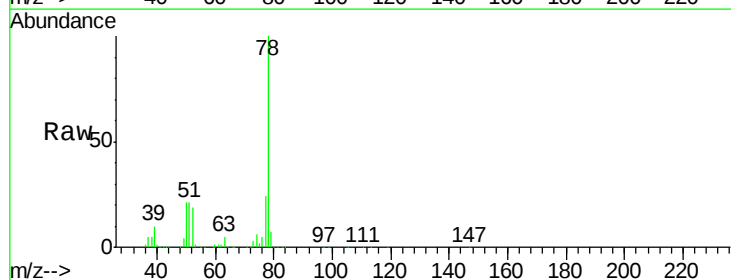
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

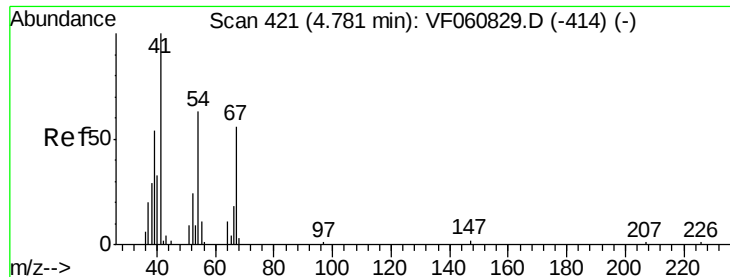
Tgt Ion: 83 Resp: 336930
Ion Ratio Lower Upper
83 100
55 91.9 72.1 108.1
98 53.2 39.1 58.7



#40
Benzene
Concen: 81.935 ug/l
RT: 4.67 min Scan# 410
Delta R.T. -0.00 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

Tgt Ion: 78 Resp: 691073
Ion Ratio Lower Upper
78 100
77 24.0 18.7 28.1





#41

Methacrylonitrile

Concen: 84.671 ug/l

RT: 4.79 min Scan# 422

Delta R.T. 0.01 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tgt Ion: 41 Resp: 72577

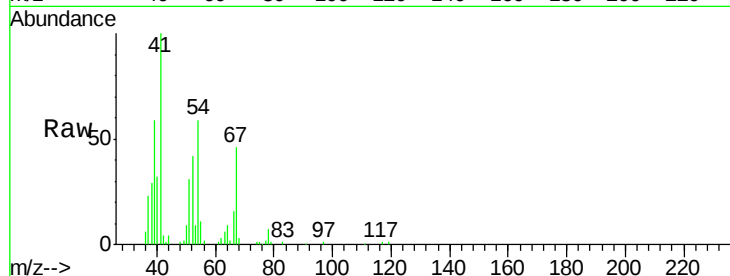
Ion Ratio Lower Upper

41 100

39 59.0 53.0 79.6

67 46.2 43.8 65.6

52 42.0 37.8 56.8

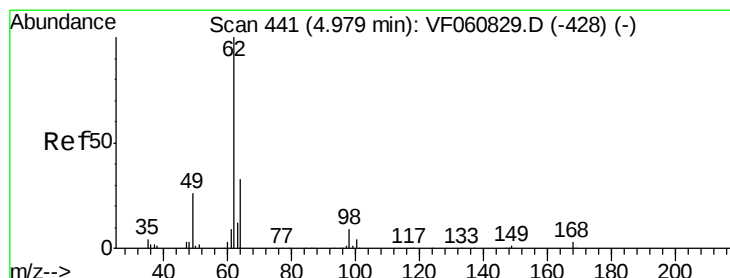
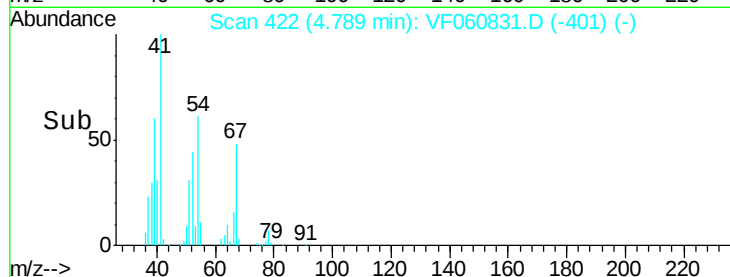
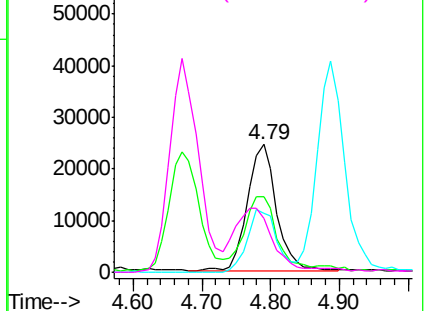


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 94.477 ug/l

RT: 4.99 min Scan# 442

Delta R.T. 0.01 min

Lab File: VF060831.D

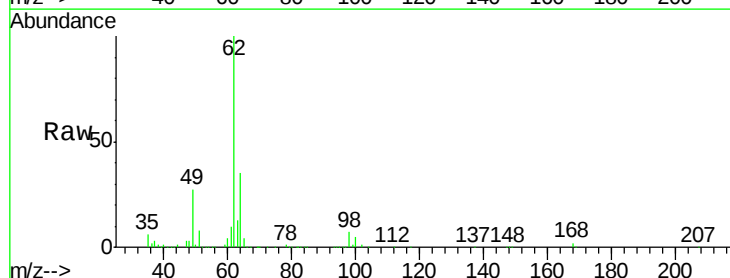
Acq: 26 Nov 2018 19:28

Tgt Ion: 62 Resp: 280995

Ion Ratio Lower Upper

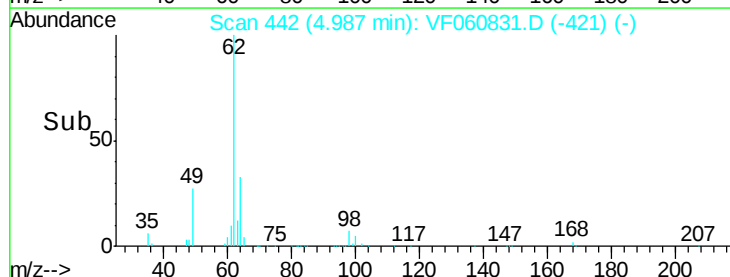
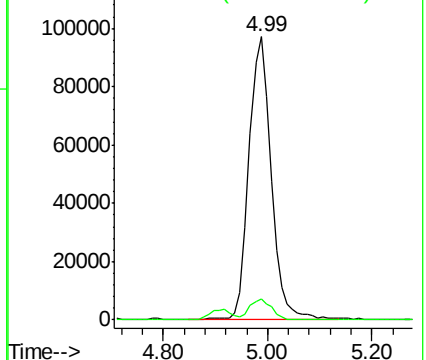
62 100

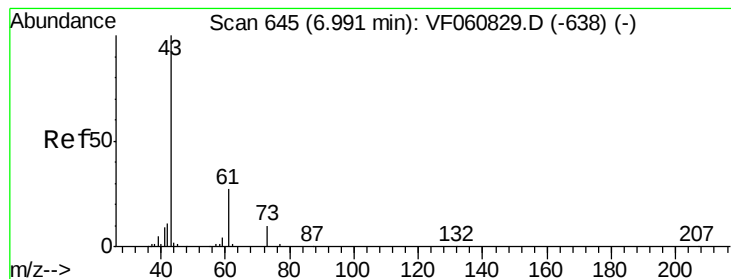
98 7.4 0.0 17.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 91.397 ug/l

RT: 6.99 min Scan# 645

Delta R.T. -0.00 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

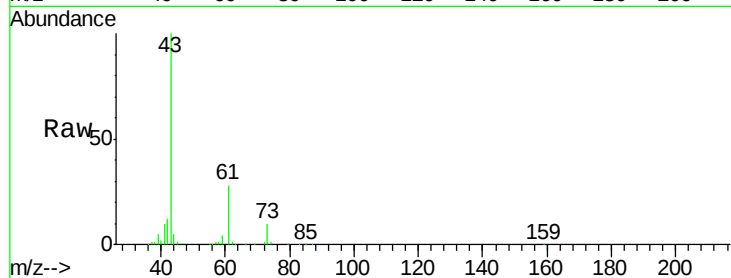
Tgt Ion: 43 Resp: 174543

Ion Ratio Lower Upper

43 100

61 28.4 21.4 32.0

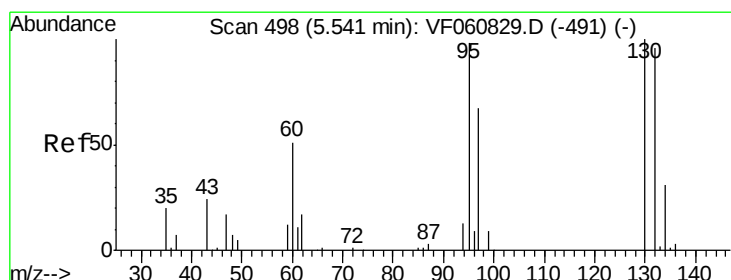
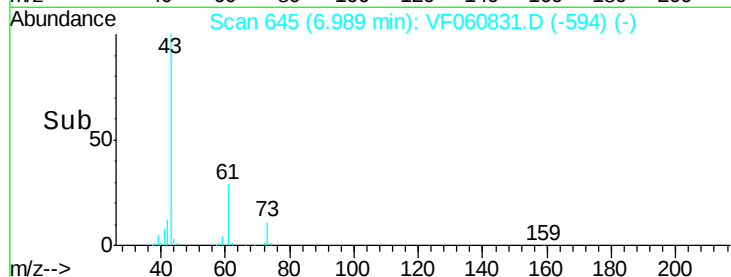
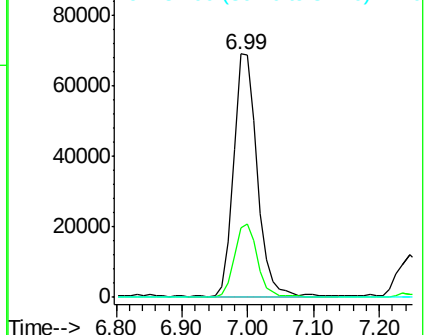
87 0.3 0.2 0.4



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: 84.030 ug/l

RT: 5.54 min Scan# 498

Delta R.T. -0.00 min

Lab File: VF060831.D

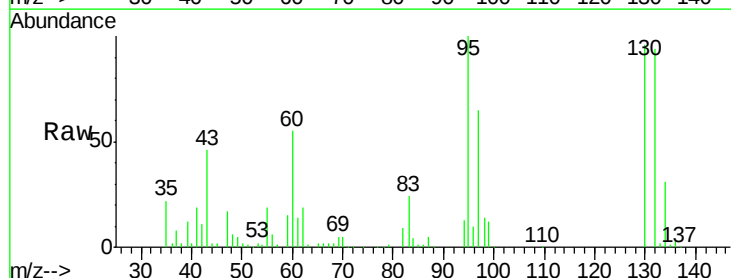
Acq: 26 Nov 2018 19:28

Tgt Ion: 130 Resp: 226290

Ion Ratio Lower Upper

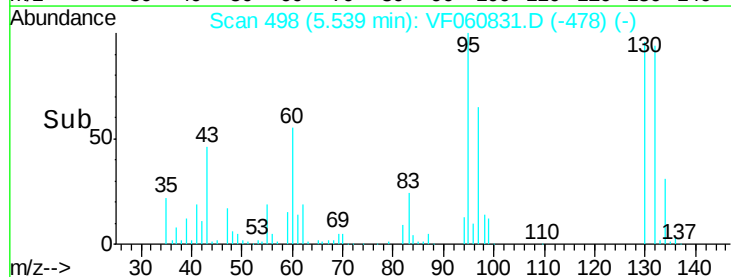
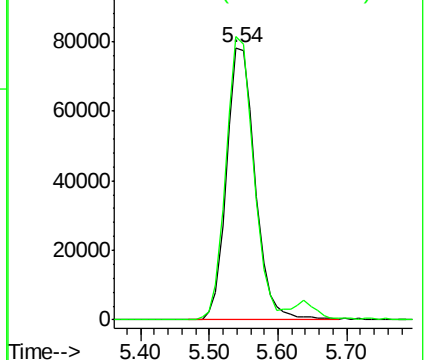
130 100

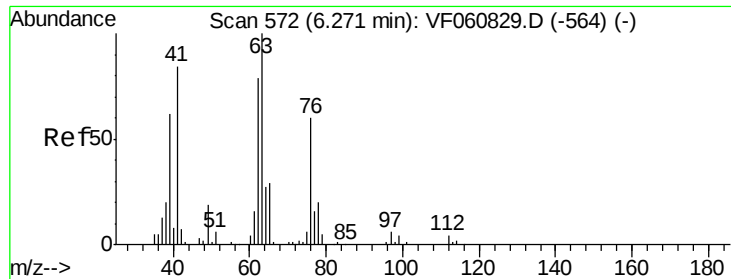
95 103.9 0.0 195.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 85.736 ug/l

RT: 6.28 min Scan# 573

Delta R.T. 0.01 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Instrument :

MSVOA_F

ClientSampleId :

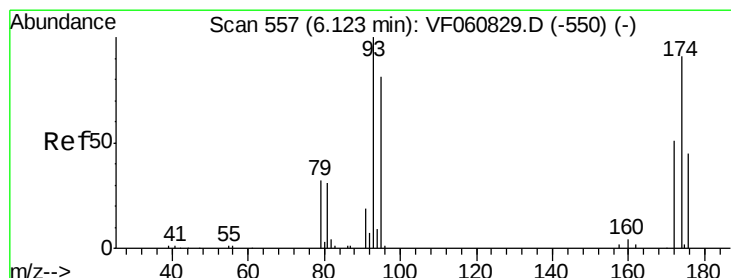
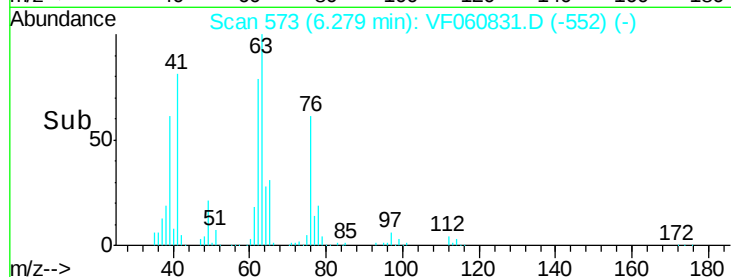
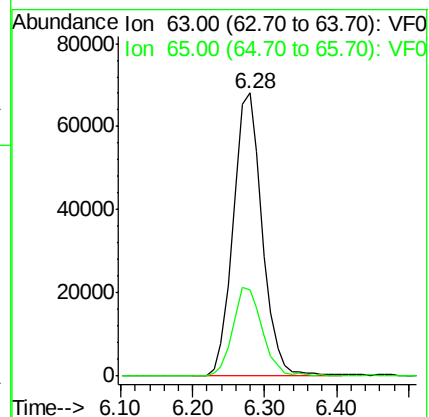
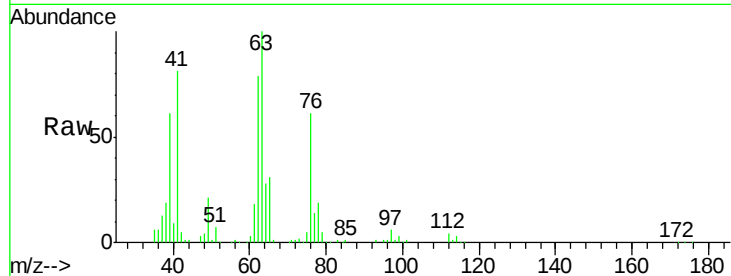
VSTDIC100

Tgt Ion: 63 Resp: 191538

Ion Ratio Lower Upper

63 100

65 30.6 23.2 34.8



#46

Dibromomethane

Concen: 95.469 ug/l

RT: 6.12 min Scan# 557

Delta R.T. -0.00 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

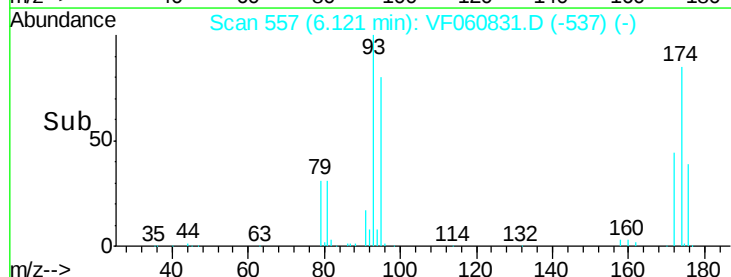
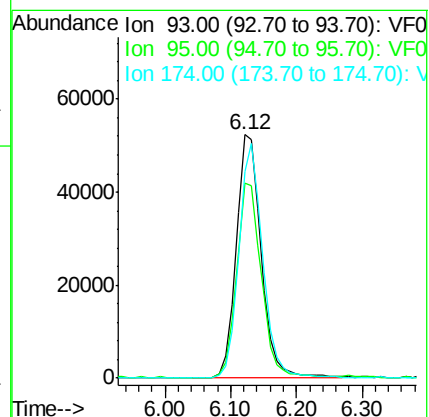
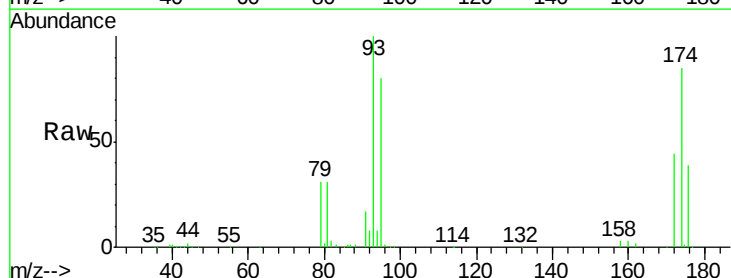
Tgt Ion: 93 Resp: 139759

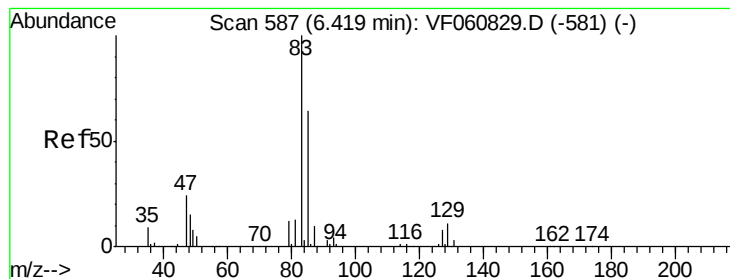
Ion Ratio Lower Upper

93 100

95 80.0 64.7 97.1

174 84.7 73.0 109.6





#47

Bromodichloromethane

Concen: 94.004 ug/l

RT: 6.43 min Scan# 588

Delta R.T. 0.01 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

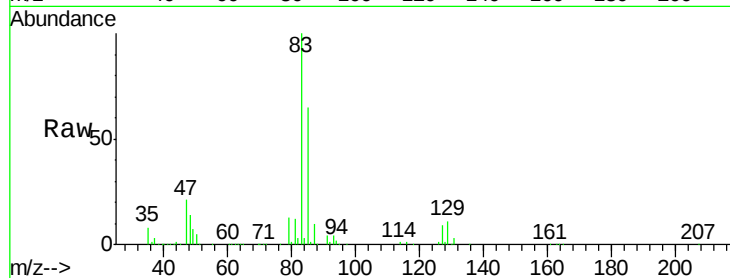
Tgt Ion: 83 Resp: 350845

Ion Ratio Lower Upper

83 100

85 65.0 51.1 76.7

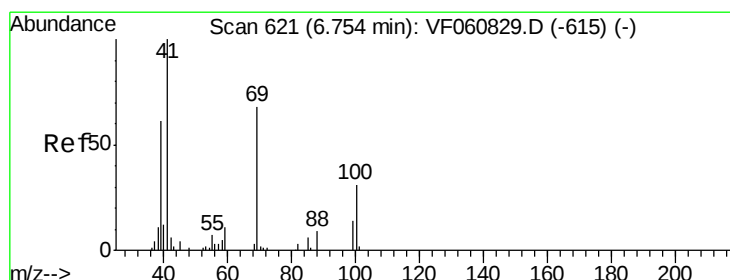
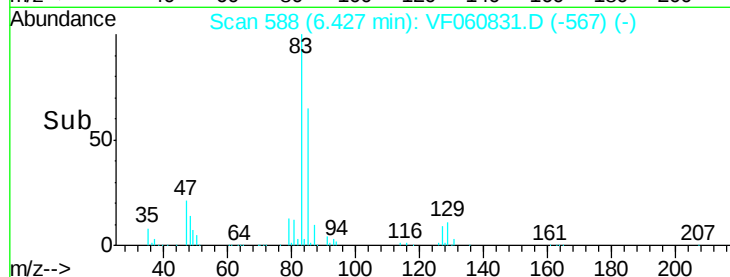
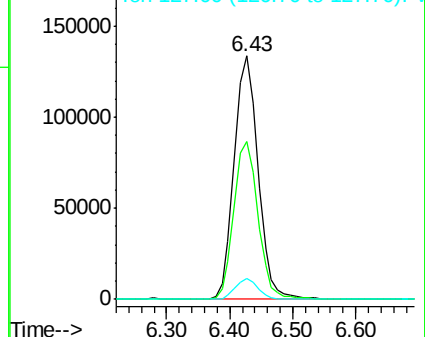
127 8.5 6.8 10.2



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: 96.976 ug/l

RT: 6.75 min Scan# 621

Delta R.T. -0.00 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

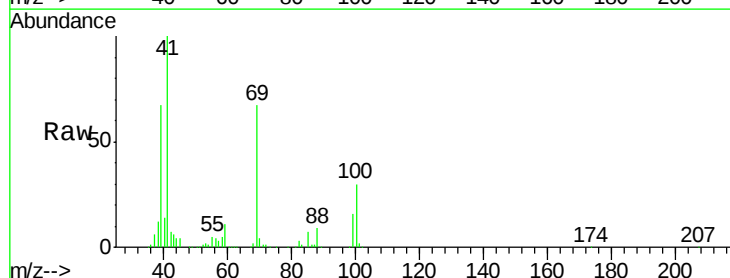
Tgt Ion: 41 Resp: 123908

Ion Ratio Lower Upper

41 100

69 66.8 53.9 80.9

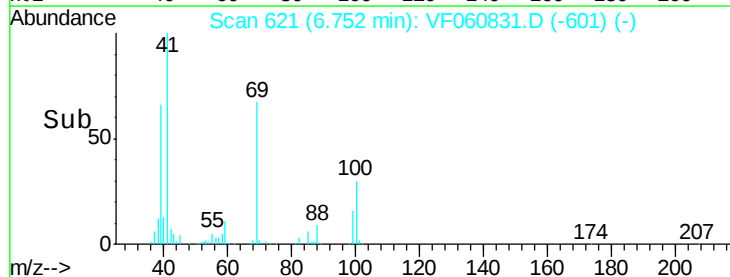
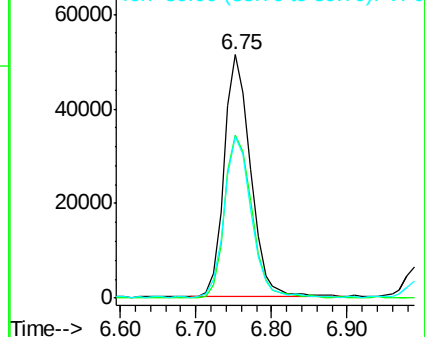
39 66.6 49.0 73.6

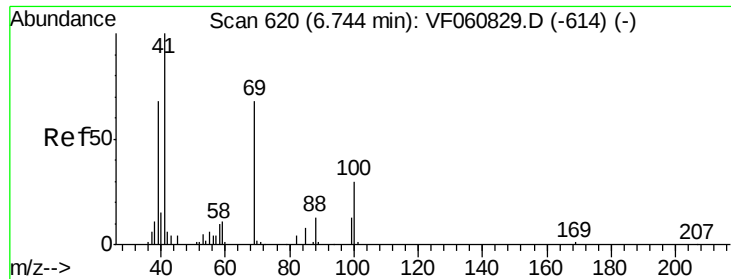


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 1587.596 ug/l

RT: 6.74 min Scan# 620

Delta R.T. -0.00 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

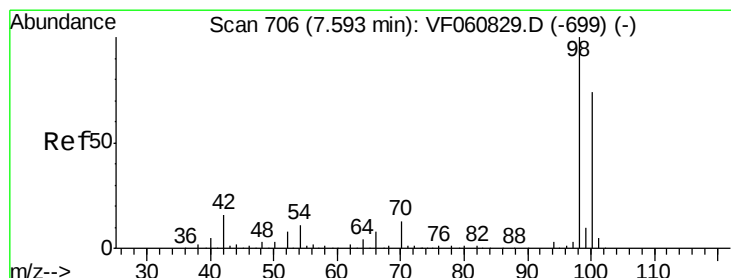
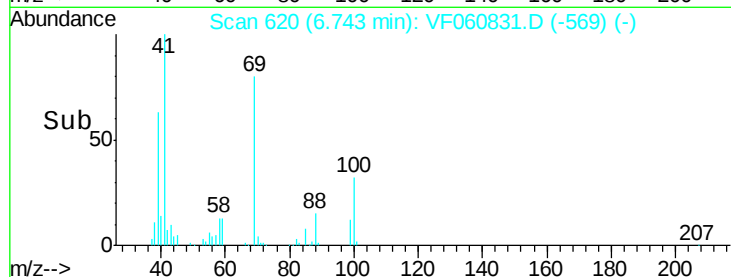
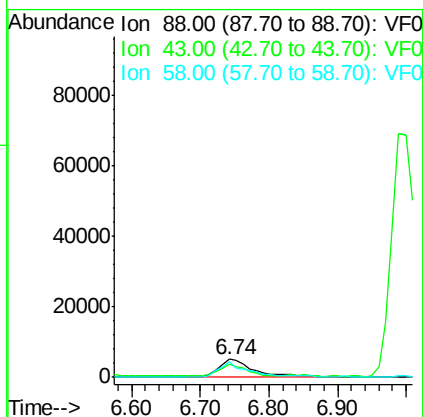
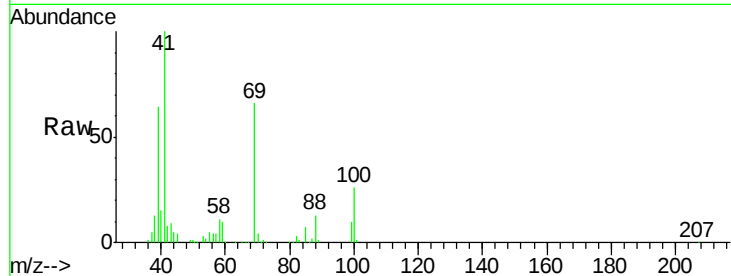
Tgt Ion: 88 Resp: 18512

Ion Ratio Lower Upper

88 100

43 70.0 42.0 63.0#

58 84.9 61.8 92.8



#50

Toluene-d8

Concen: 99.078 ug/l

RT: 7.59 min Scan# 706

Delta R.T. -0.00 min

Lab File: VF060831.D

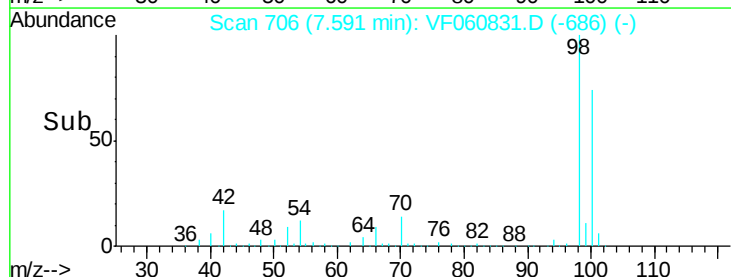
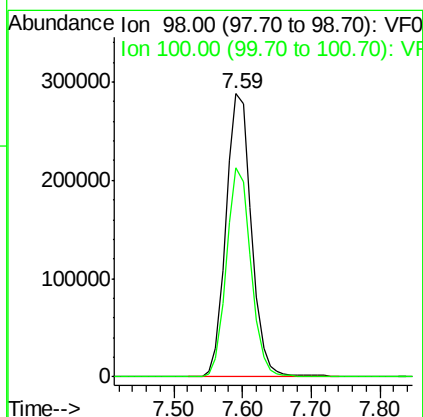
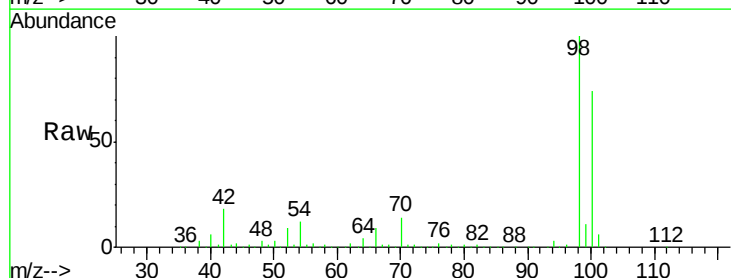
Acq: 26 Nov 2018 19:28

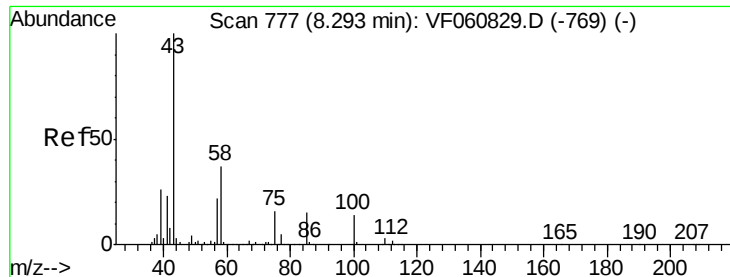
Tgt Ion: 98 Resp: 736208

Ion Ratio Lower Upper

98 100

100 74.1 59.3 88.9





#51

4-Methyl-2-Pentanone

Concen: 437.317 ug/l

RT: 8.29 min Scan# 777

Delta R.T. -0.00 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Instrument :

MSVOA_F

ClientSampleId :

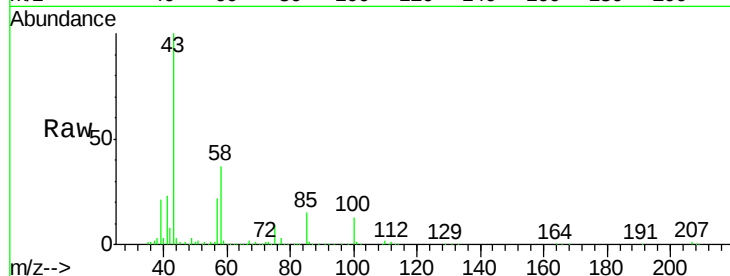
VSTDIC100

Tgt Ion: 43 Resp: 597719

Ion Ratio Lower Upper

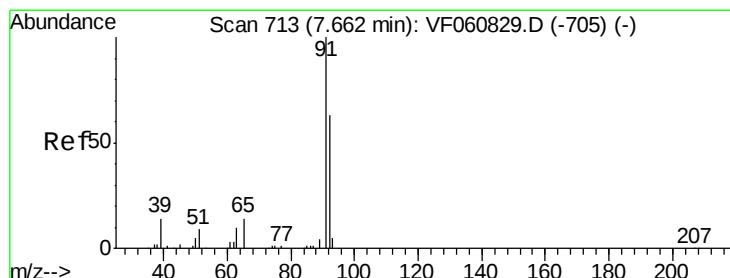
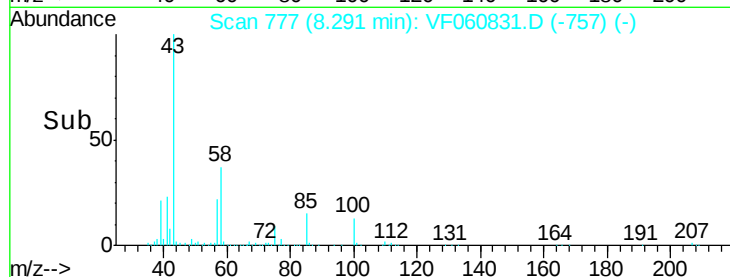
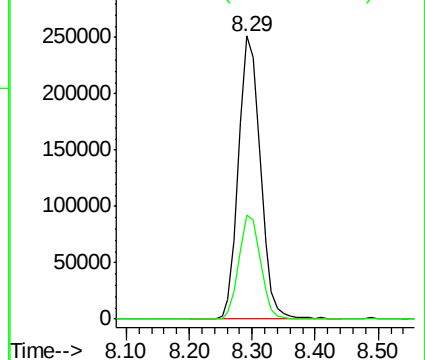
43 100

58 36.7 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: 87.241 ug/l

RT: 7.67 min Scan# 714

Delta R.T. 0.01 min

Lab File: VF060831.D

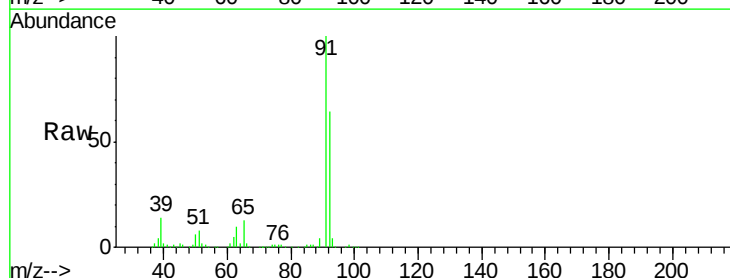
Acq: 26 Nov 2018 19:28

Tgt Ion: 92 Resp: 493942

Ion Ratio Lower Upper

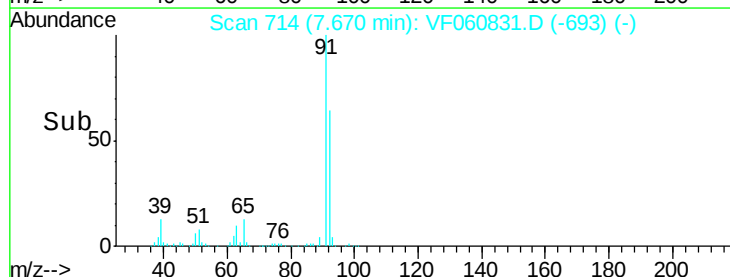
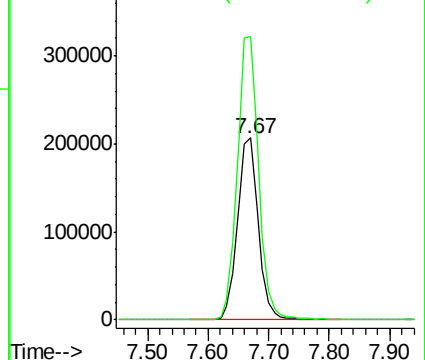
92 100

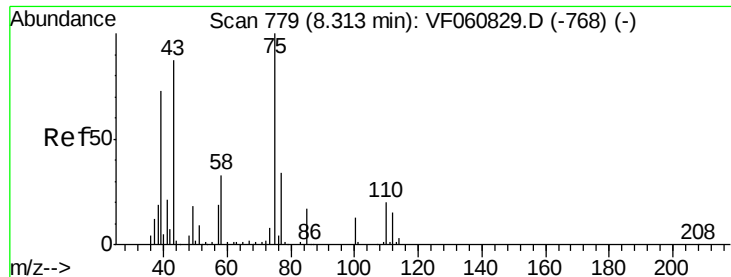
91 155.8 126.2 189.2



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: 90.113 ug/l

RT: 8.32 min Scan# 780

Delta R.T. 0.01 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Instrument :

MSVOA_F

ClientSampleId :

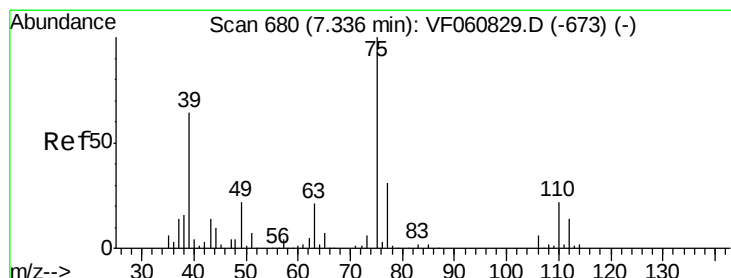
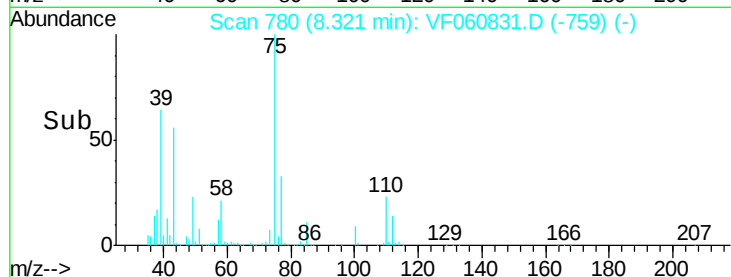
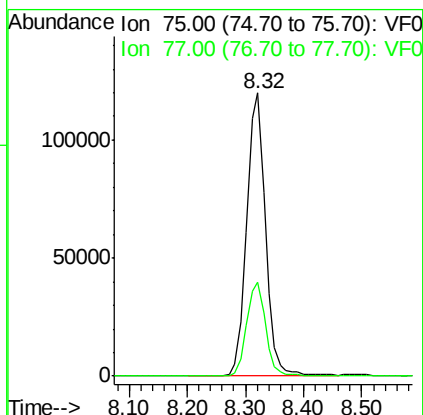
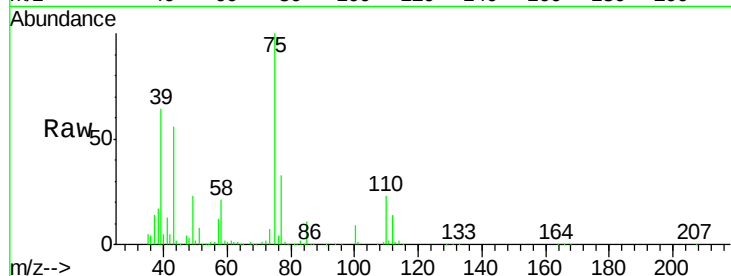
VSTDIC100

Tgt Ion: 75 Resp: 272688

Ion Ratio Lower Upper

75 100

77 33.4 27.4 41.2



#54

cis-1,3-Dichloropropene

Concen: 87.811 ug/l

RT: 7.34 min Scan# 681

Delta R.T. 0.01 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

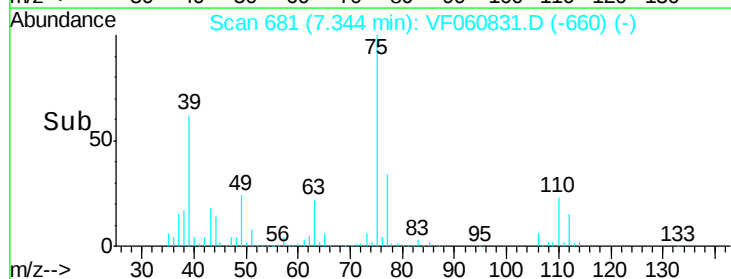
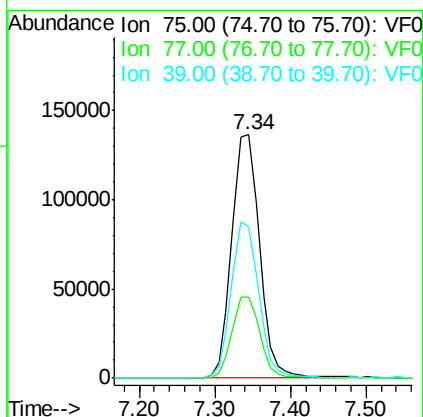
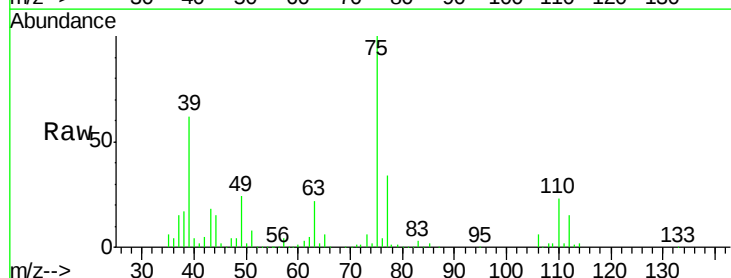
Tgt Ion: 75 Resp: 347391

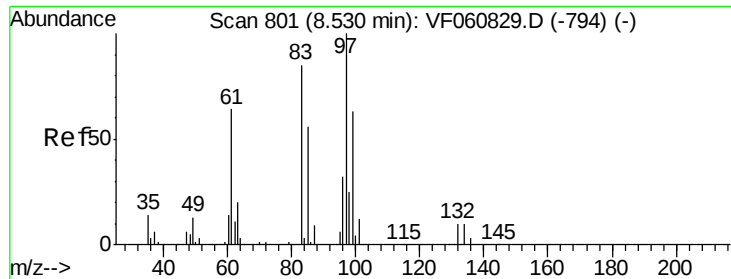
Ion Ratio Lower Upper

75 100

77 33.5 25.0 37.6

39 62.3 51.1 76.7





#55

1,1,2-Trichloroethane

Concen: 93.876 ug/l

RT: 8.53 min Scan# 801

Delta R.T. -0.00 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tgt Ion: 97 Resp: 153281

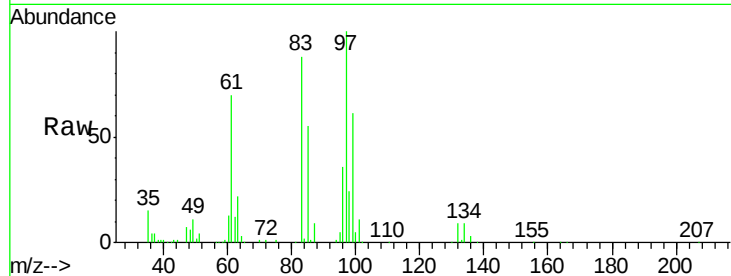
Ion Ratio Lower Upper

97 100

83 88.3 67.8 101.6

85 55.2 45.0 67.6

99 61.2 50.5 75.7

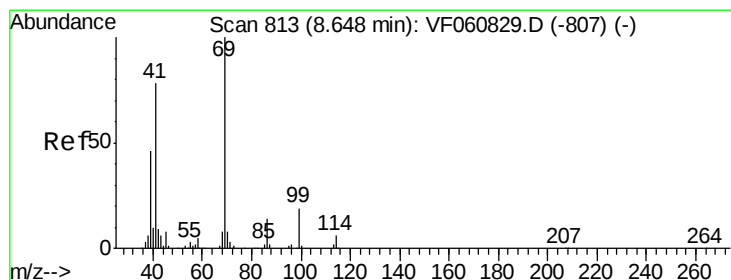
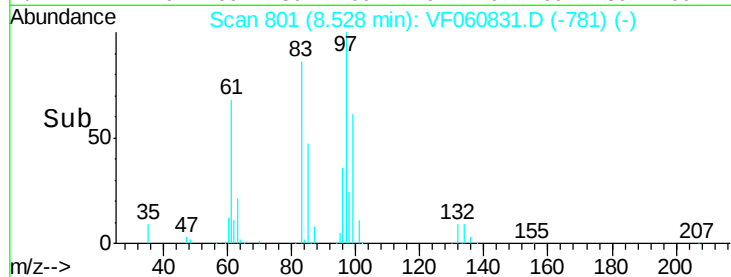
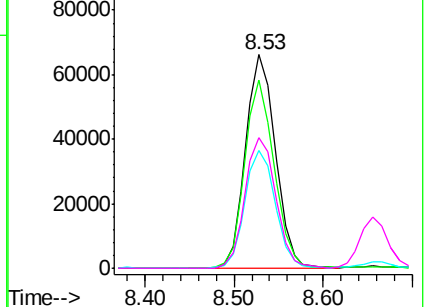


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 89.950 ug/l

RT: 8.66 min Scan# 814

Delta R.T. 0.01 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

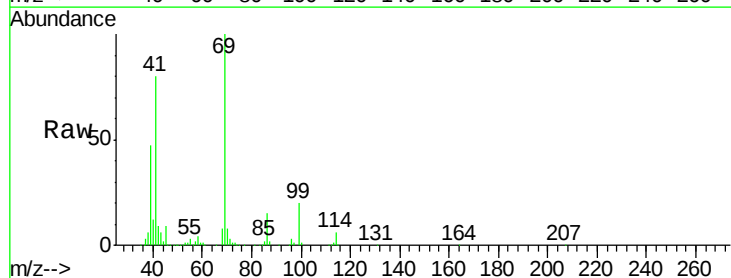
Tgt Ion: 69 Resp: 168632

Ion Ratio Lower Upper

69 100

41 80.0 62.6 94.0

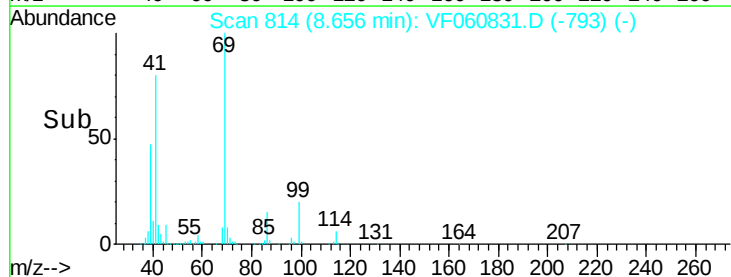
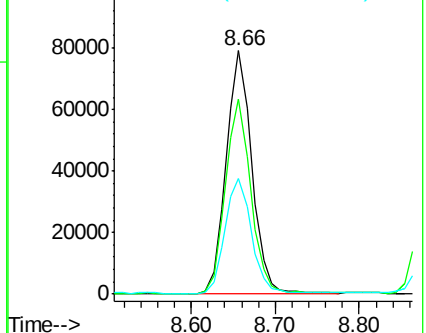
39 47.3 37.8 56.6

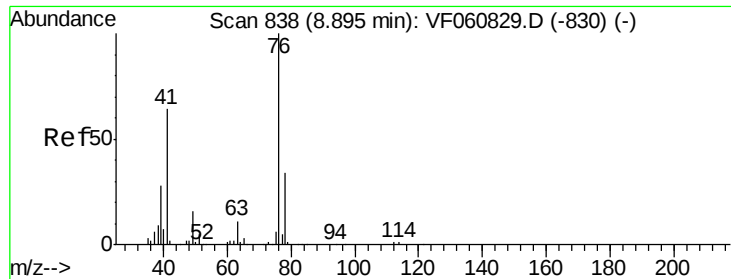


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 93.592 ug/l

RT: 8.89 min Scan# 838

Delta R.T. -0.00 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Instrument :

MSVOA_F

ClientSampleId :

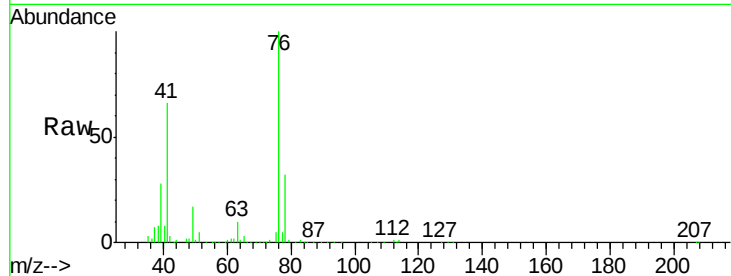
VSTDIC100

Tgt Ion: 76 Resp: 269468

Ion Ratio Lower Upper

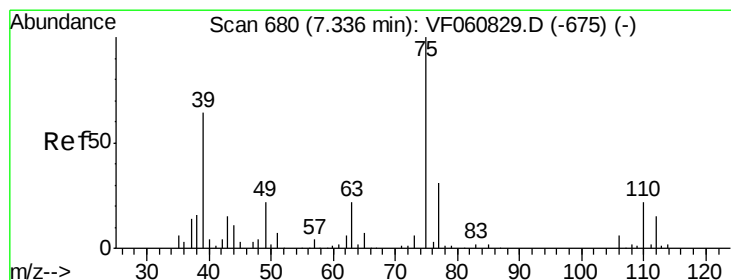
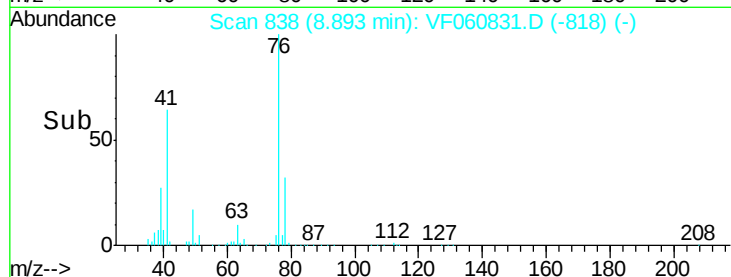
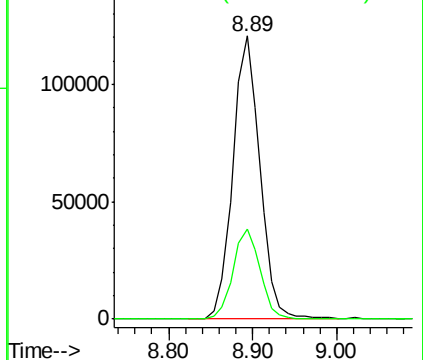
76 100

78 31.8 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: 514.697 ug/l

RT: 7.33 min Scan# 680

Delta R.T. -0.00 min

Lab File: VF060831.D

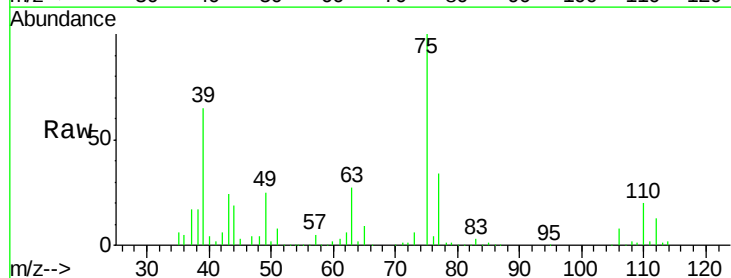
Acq: 26 Nov 2018 19:28

Tgt Ion: 63 Resp: 87689

Ion Ratio Lower Upper

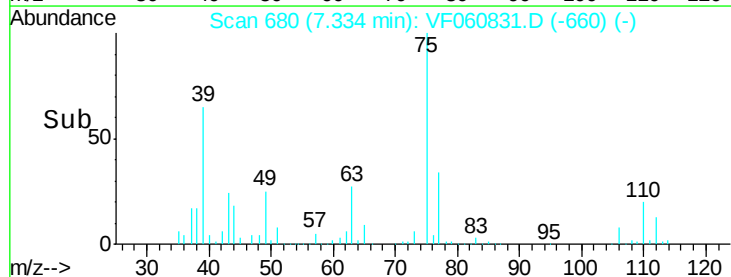
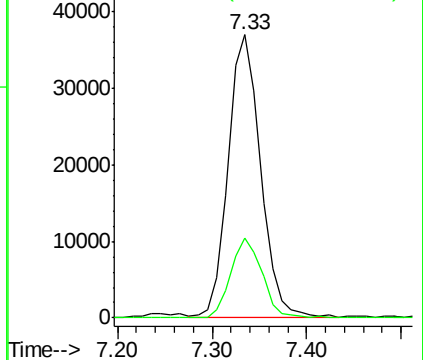
63 100

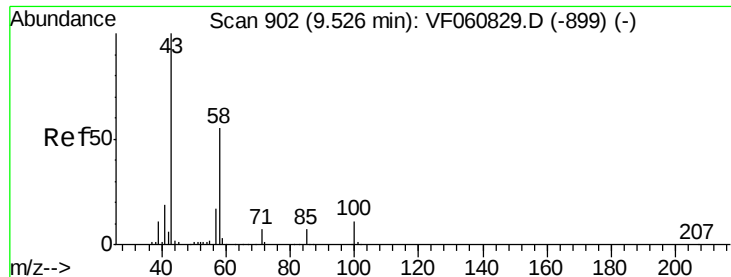
106 28.3 23.0 34.6



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

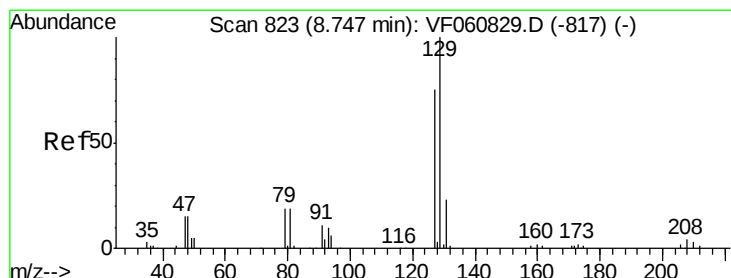
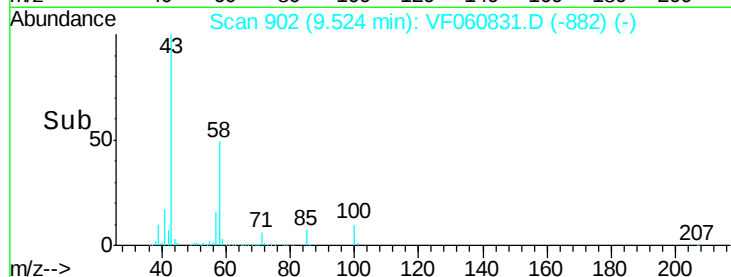
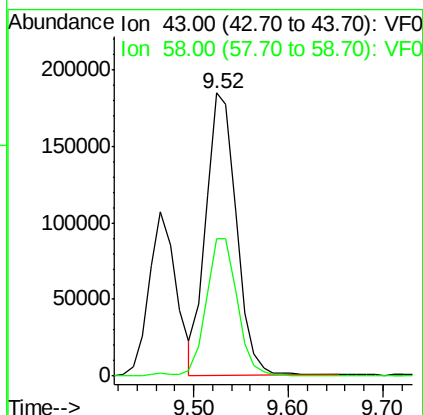
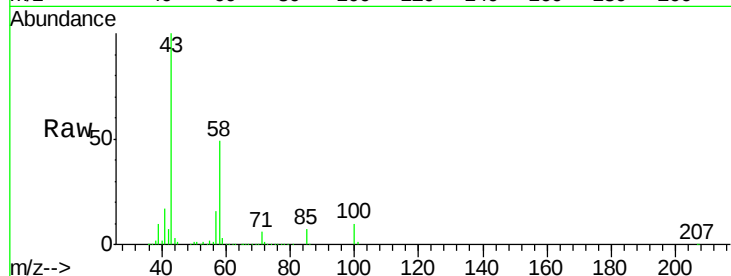




#59
2-Hexanone
Concen: 426.690 ug/l
RT: 9.52 min Scan# 902
Delta R.T. -0.00 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

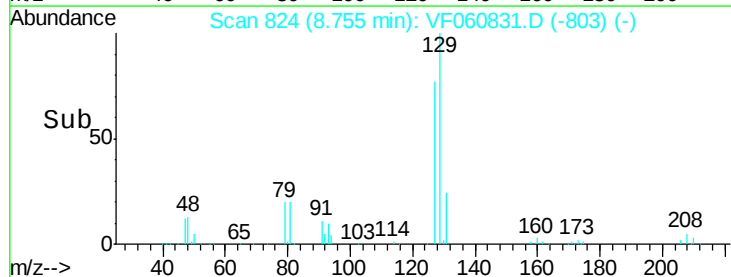
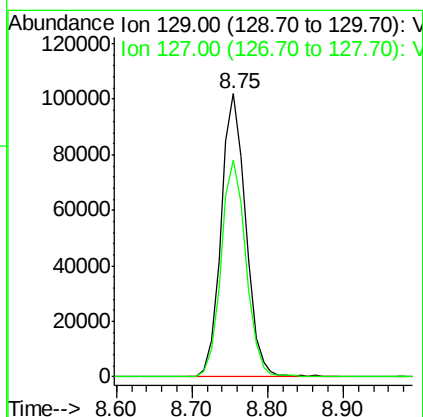
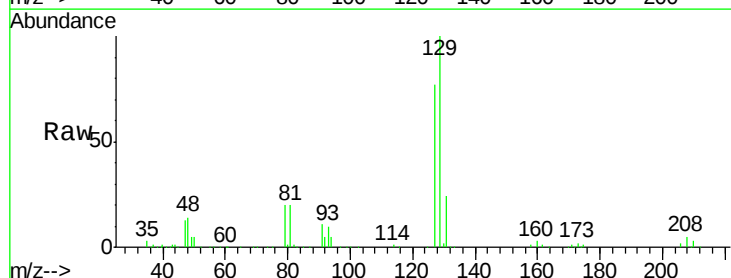
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

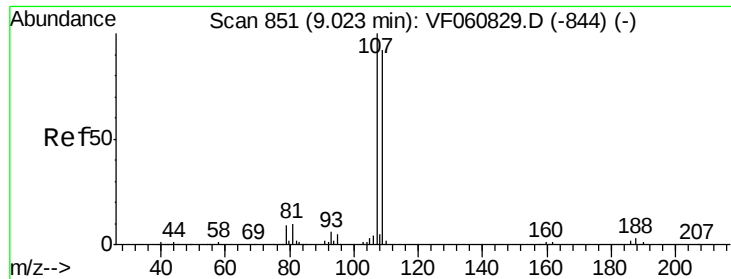
Tgt Ion: 43 Resp: 411995
Ion Ratio Lower Upper
43 100
58 48.7 25.6 76.6



#60
Dibromochloromethane
Concen: 98.299 ug/l
RT: 8.75 min Scan# 824
Delta R.T. 0.01 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

Tgt Ion: 129 Resp: 232073
Ion Ratio Lower Upper
129 100
127 76.6 37.3 111.9





#61

1,2-Dibromoethane

Concen: 98.089 ug/l

RT: 9.02 min Scan# 851

Delta R.T. -0.00 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Instrument :

MSVOA_F

ClientSampleId :

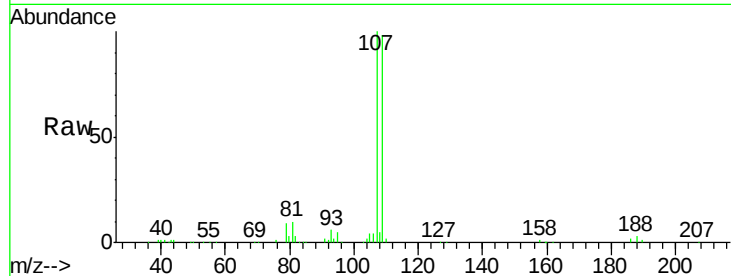
VSTDIC100

Tgt Ion: 107 Resp: 169027

Ion Ratio Lower Upper

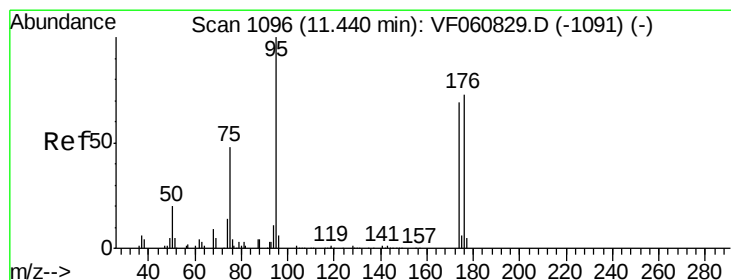
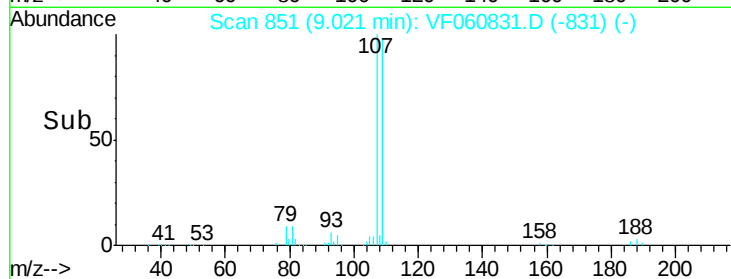
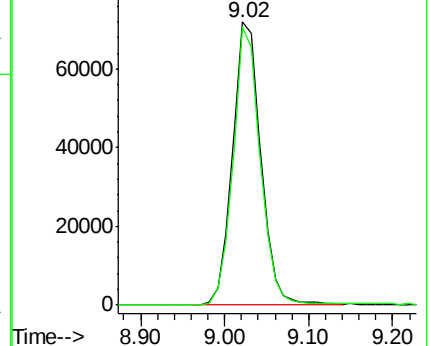
107 100

109 98.2 73.6 110.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 96.945 ug/l

RT: 11.44 min Scan# 1096

Delta R.T. -0.00 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

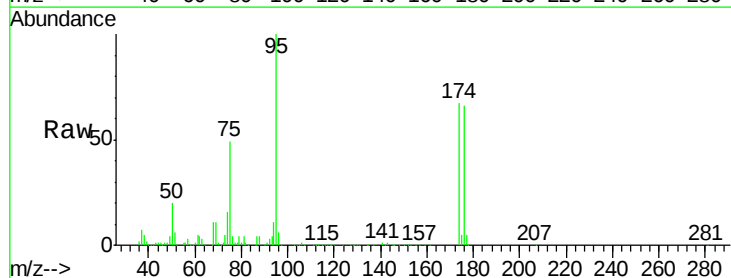
Tgt Ion: 95 Resp: 333603

Ion Ratio Lower Upper

95 100

174 66.9 0.0 138.2

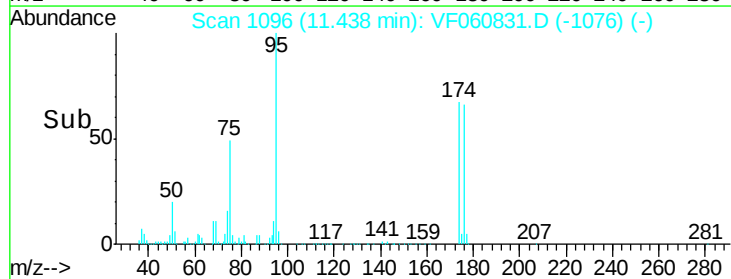
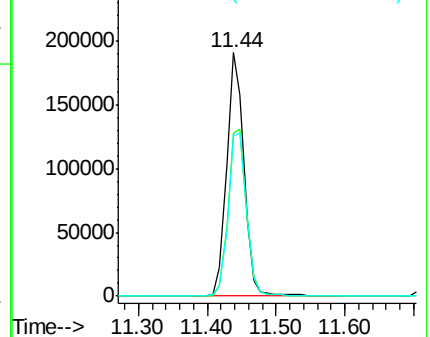
176 65.7 0.0 146.2

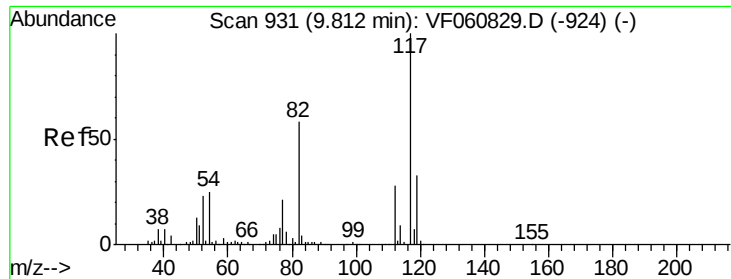


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

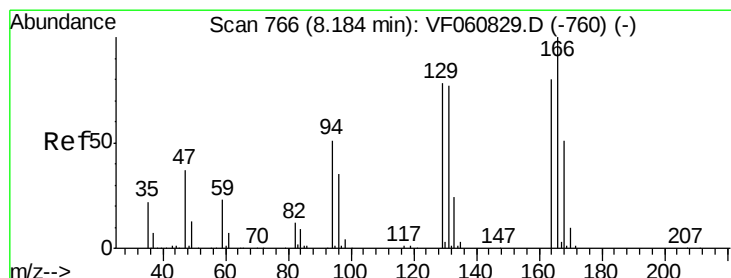
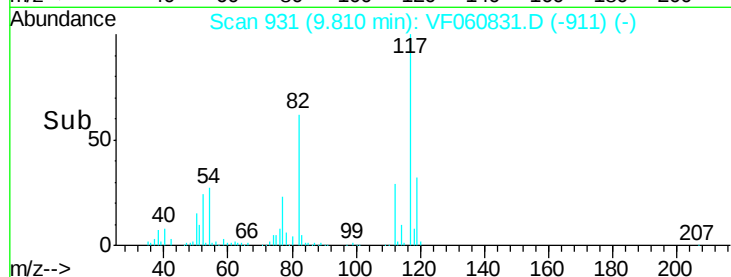
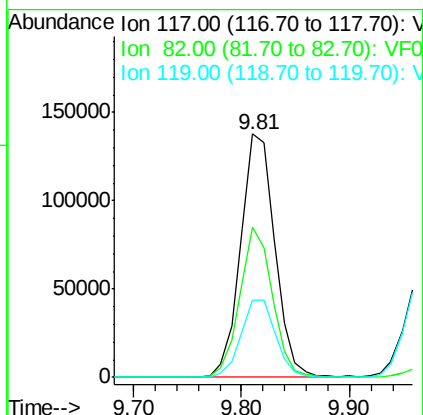
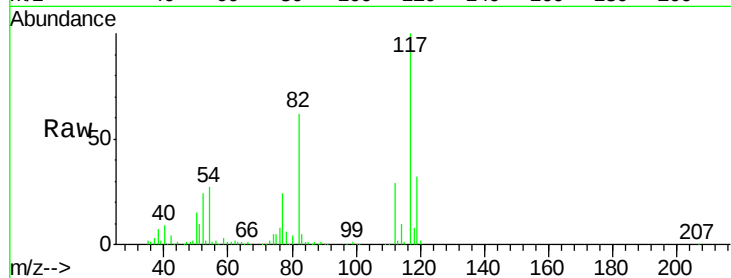




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.81 min Scan# 931
Delta R.T. -0.00 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

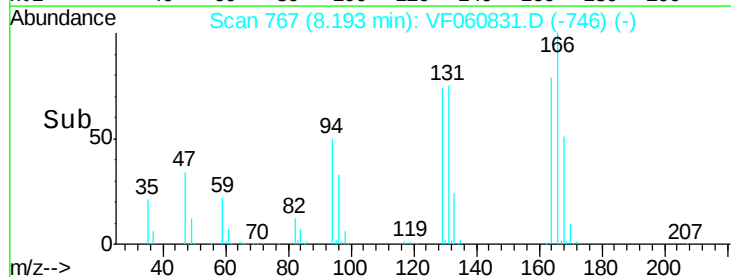
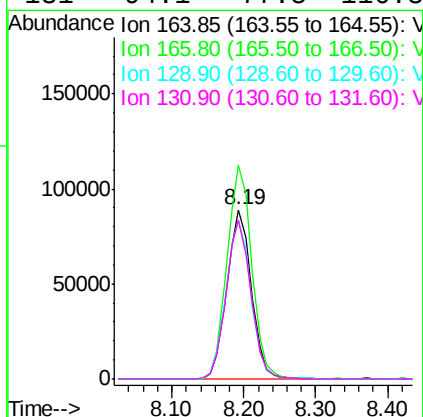
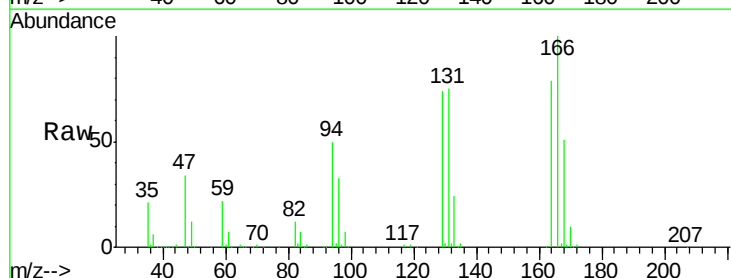
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tgt Ion:117 Resp: 304560
Ion Ratio Lower Upper
117 100
82 61.8 46.6 69.8
119 31.9 26.4 39.6



#64
Tetrachloroethene
Concen: 90.031 ug/l
RT: 8.19 min Scan# 767
Delta R.T. 0.01 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

Tgt Ion:164 Resp: 210599
Ion Ratio Lower Upper
164 100
166 126.4 100.3 150.5
129 93.5 77.9 116.9
131 94.1 77.5 116.3

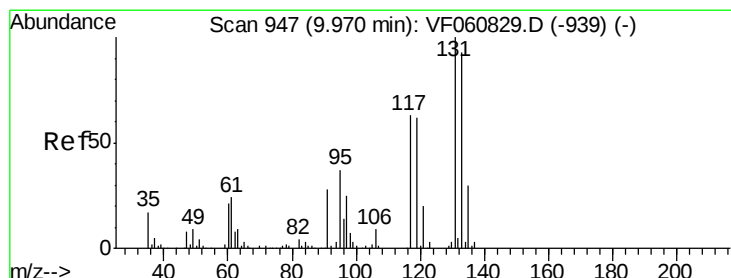
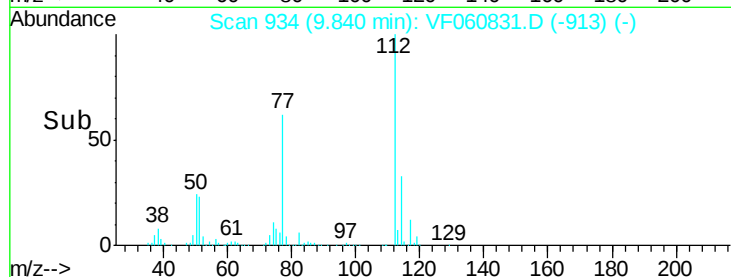
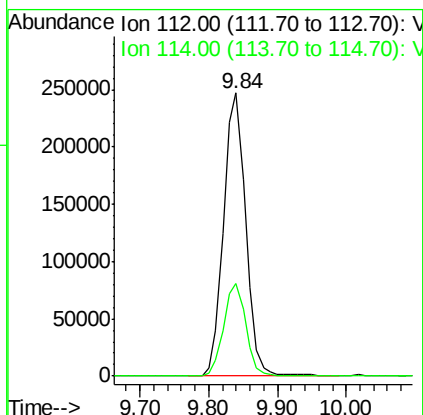
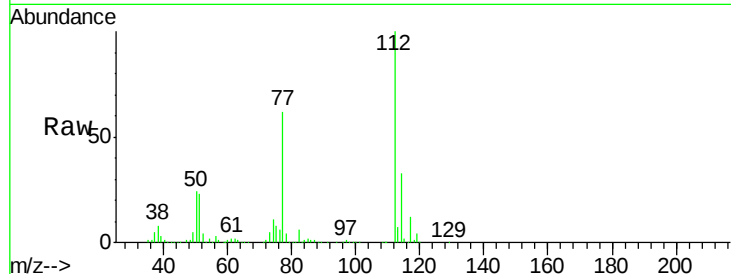




#65
Chlorobenzene
Concen: 90.663 ug/l
RT: 9.84 min Scan# 934
Delta R.T. 0.01 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

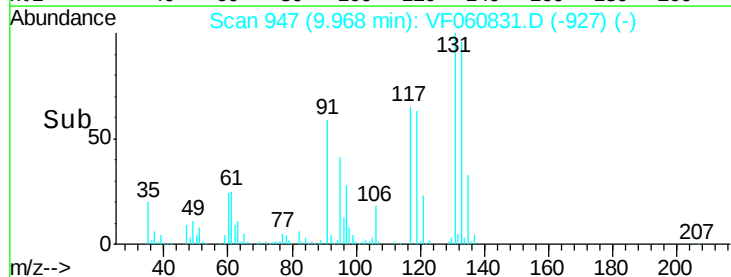
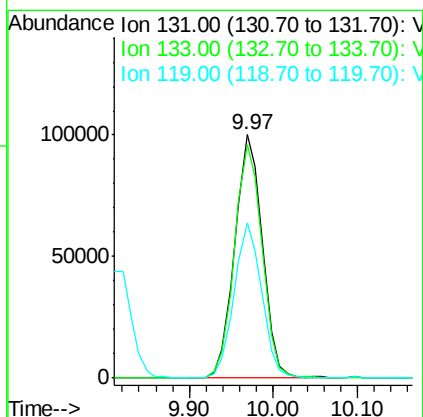
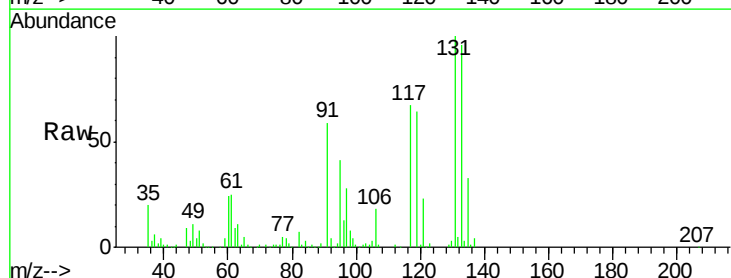
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tgt Ion:112 Resp: 554027
Ion Ratio Lower Upper
112 100
114 32.8 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 87.674 ug/l
RT: 9.97 min Scan# 947
Delta R.T. -0.00 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

Tgt Ion:131 Resp: 229415
Ion Ratio Lower Upper
131 100
133 96.1 46.5 139.3
119 63.6 31.1 93.3

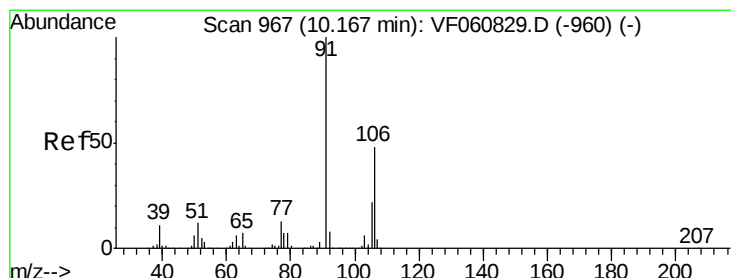
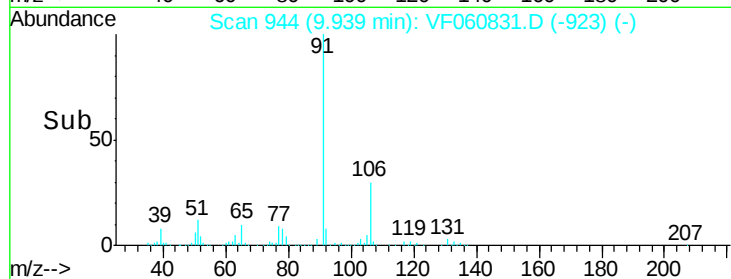
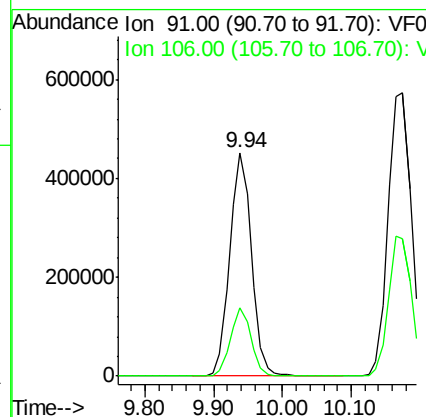
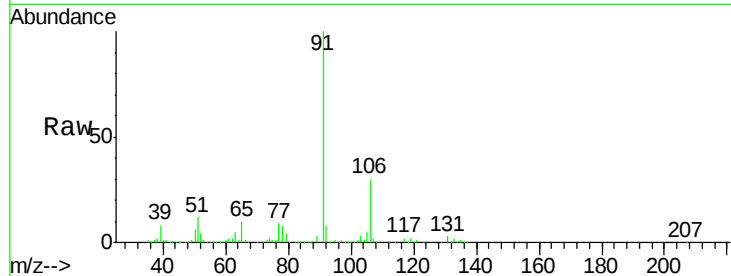




#67
Ethyl Benzene
Concen: 86.595 ug/l
RT: 9.94 min Scan# 944
Delta R.T. 0.01 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

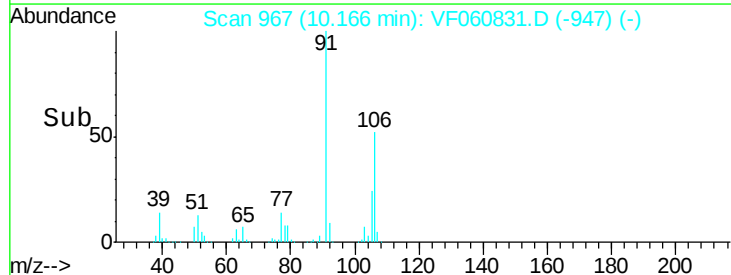
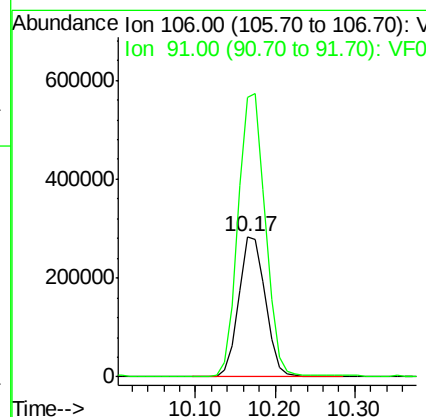
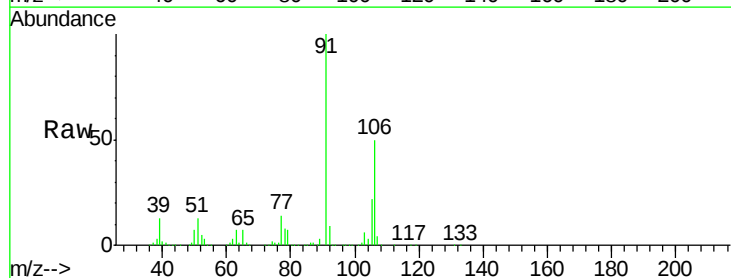
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

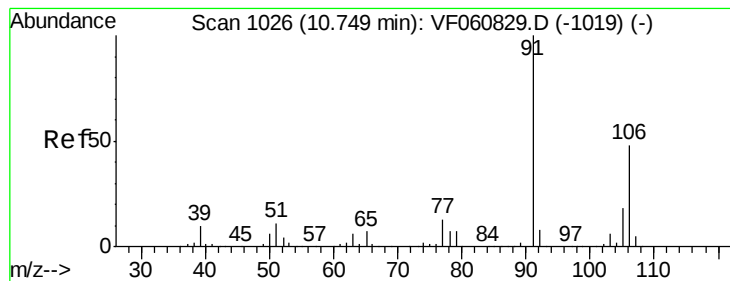
Tgt Ion: 91 Resp: 991088
Ion Ratio Lower Upper
91 100
106 30.5 22.2 33.2



#68
m/p-Xylenes
Concen: 162.368 ug/l
RT: 10.17 min Scan# 967
Delta R.T. -0.00 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

Tgt Ion: 106 Resp: 661766
Ion Ratio Lower Upper
106 100
91 200.0 166.7 250.1





#69

o-Xylene

Concen: 84.035 ug/l

RT: 10.75 min Scan# 1026

Delta R.T. -0.00 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Instrument :

MSVOA_F

ClientSampleId :

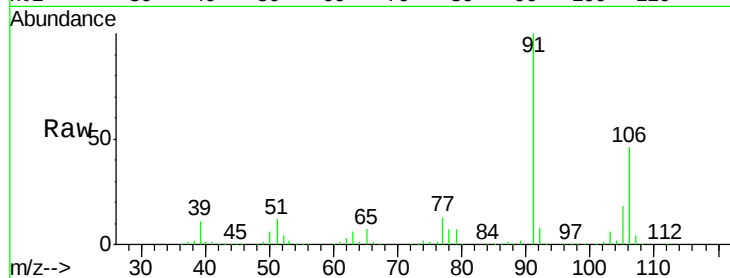
VSTDIC100

Tgt Ion:106 Resp: 383614

Ion Ratio Lower Upper

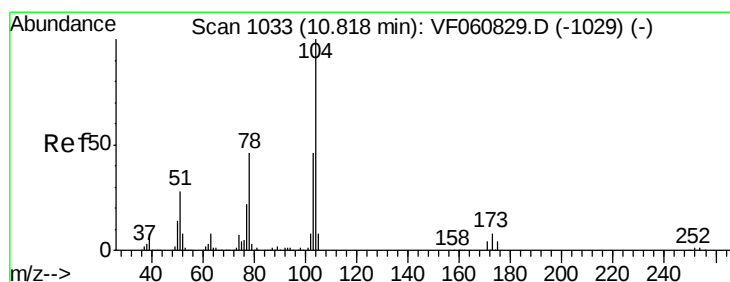
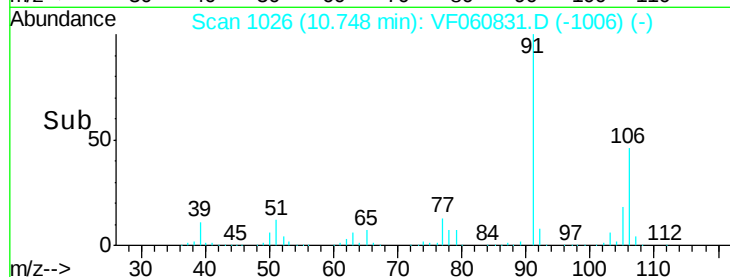
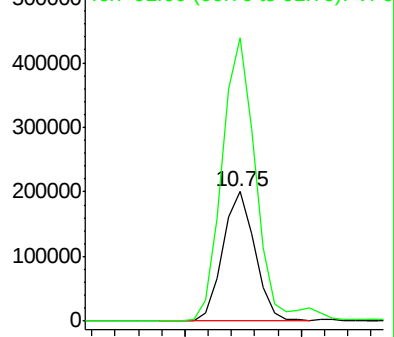
106 100

91 218.5 104.8 314.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



#70

Styrene

Concen: 87.098 ug/l

RT: 10.83 min Scan# 1034

Delta R.T. 0.01 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

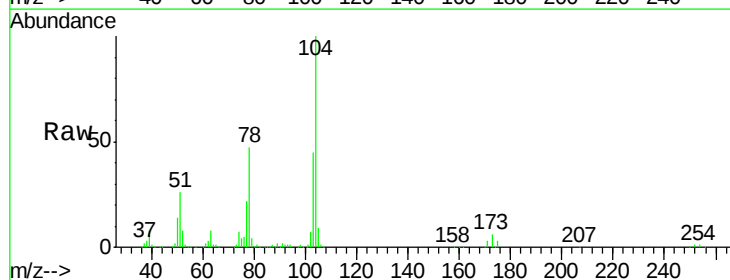
Tgt Ion:104 Resp: 542852

Ion Ratio Lower Upper

104 100

78 47.2 37.3 55.9

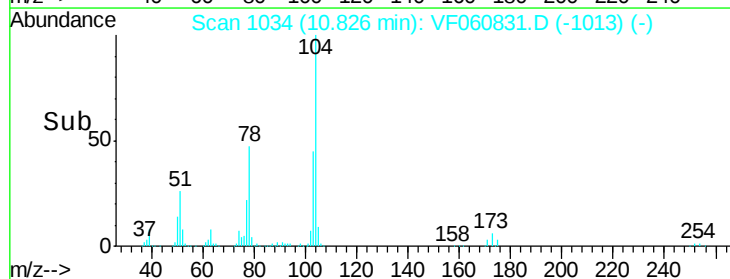
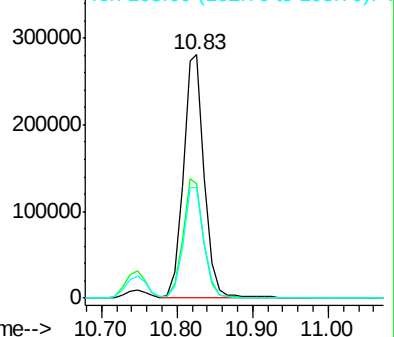
103 45.3 36.8 55.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VF0

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 103.929 ug/l

RT: 10.81 min Scan# 1032

Delta R.T. -0.00 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

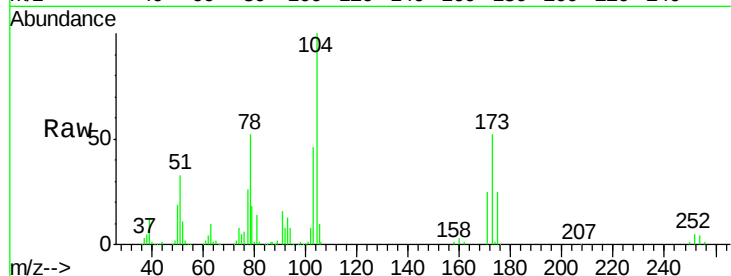
Tgt Ion:173 Resp: 123562

Ion Ratio Lower Upper

173 100

175 48.3 25.5 76.5

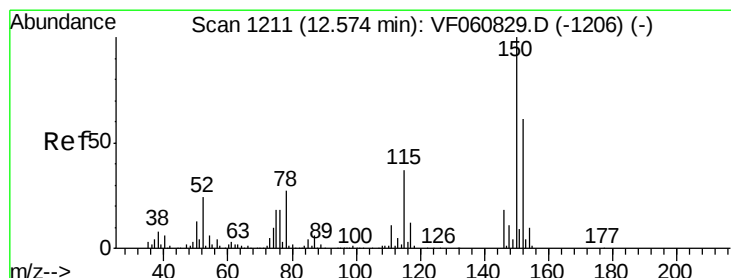
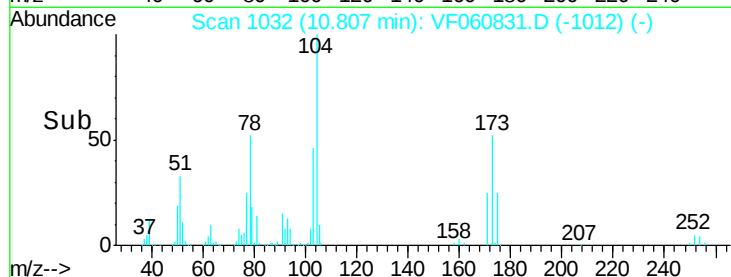
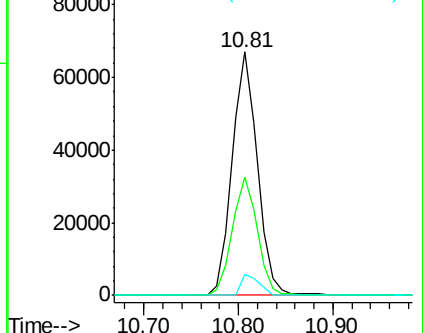
254 8.6 7.5 11.3



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: 12.58 min Scan# 1212

Delta R.T. 0.01 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

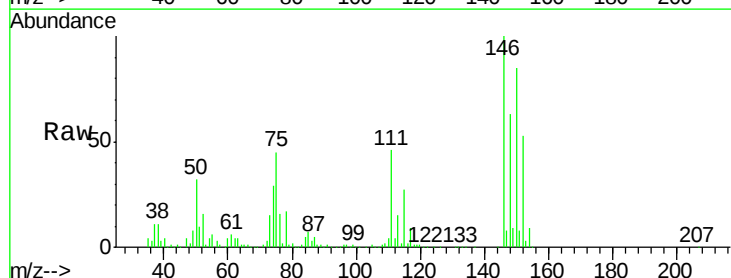
Tgt Ion:152 Resp: 160554

Ion Ratio Lower Upper

152 100

115 51.5 30.1 90.5

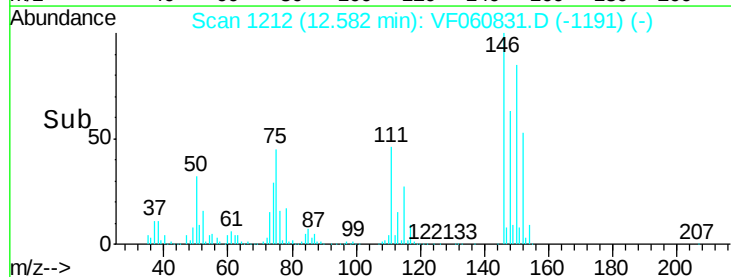
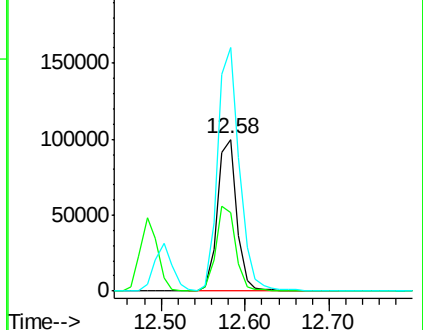
150 160.8 0.0 327.6

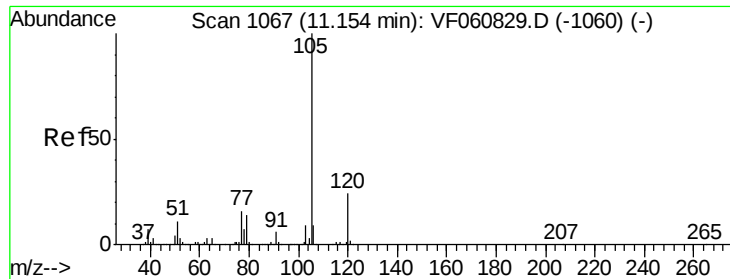


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 84.884 ug/l

RT: 11.15 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Instrument :

MSVOA_F

ClientSampleId :

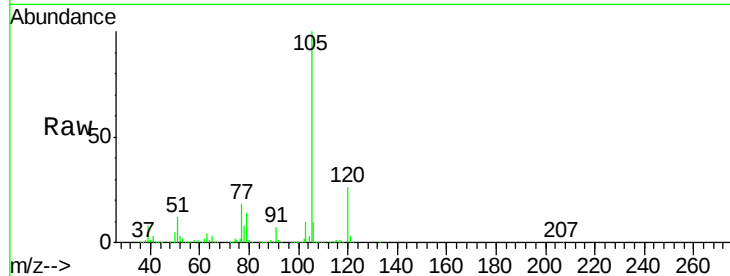
VSTDIC100

Tgt Ion:105 Resp: 1092130

Ion Ratio Lower Upper

105 100

120 26.1 12.2 36.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.15

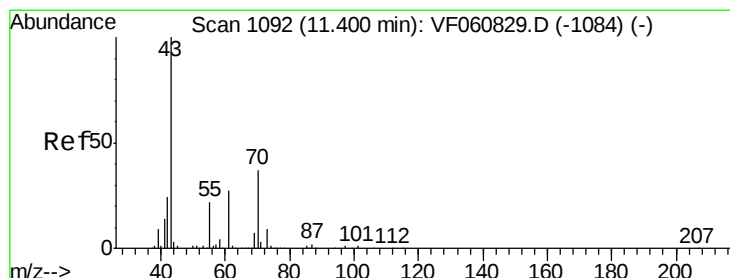
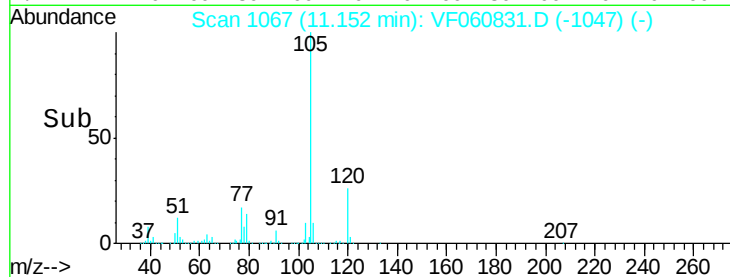
600000

400000

200000

0

Time--> 11.00 11.10 11.20 11.30



#74

N-ethyl acetate

Concen: 91.931 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Tgt Ion: 43 Resp: 272933

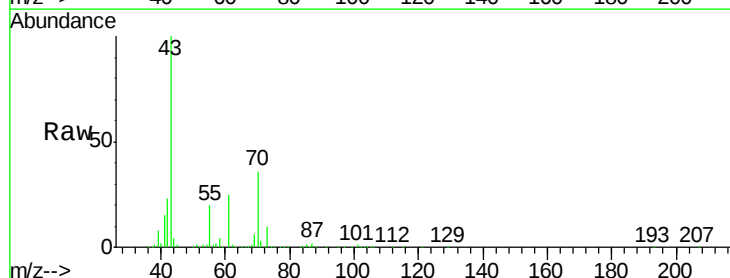
Ion Ratio Lower Upper

43 100

70 36.2 29.6 44.4

55 19.5 17.2 25.8

61 25.2 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

11.40

250000

200000

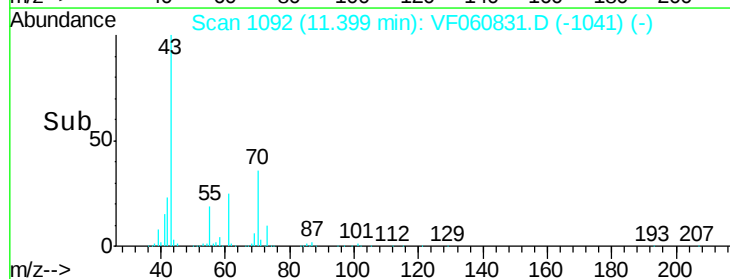
150000

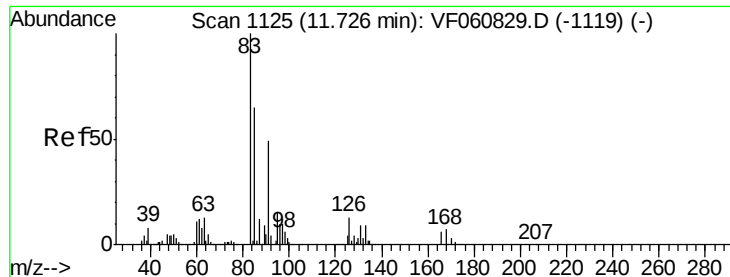
100000

50000

0

Time--> 11.30 11.40 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 89.918 ug/l

RT: 11.72 min Scan# 1125

Delta R.T. -0.00 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

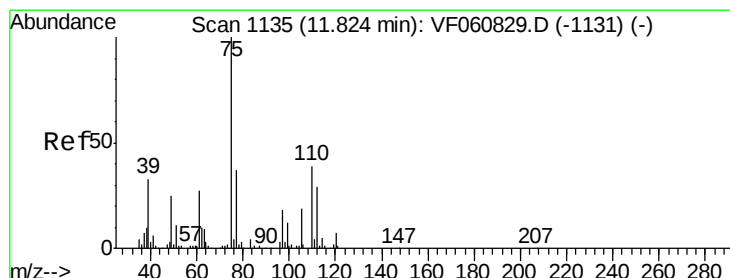
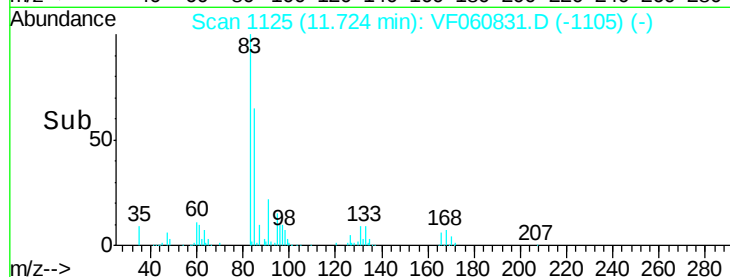
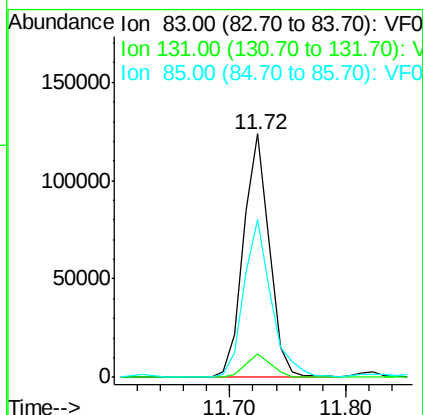
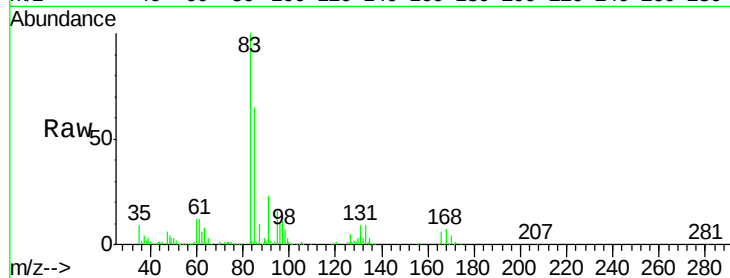
Tgt Ion: 83 Resp: 190634

Ion Ratio Lower Upper

83 100

131 9.5 4.7 14.1

85 64.8 32.6 97.8



#76

1,2,3-Trichloropropane

Concen: 86.431 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VF060831.D

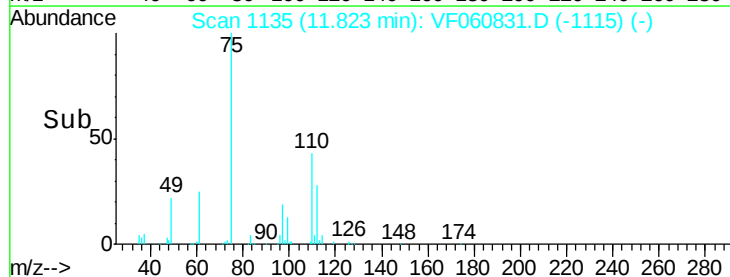
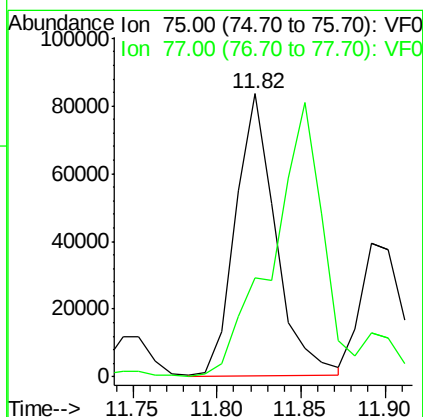
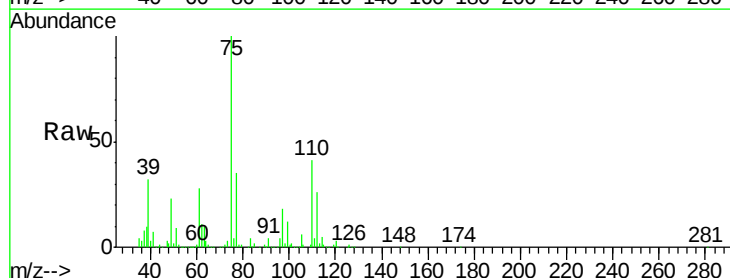
Acq: 26 Nov 2018 19:28

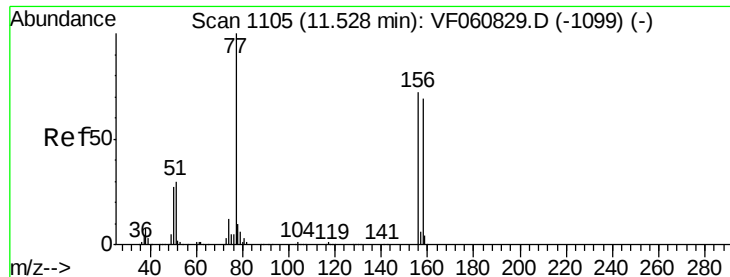
Tgt Ion: 75 Resp: 137692

Ion Ratio Lower Upper

75 100

77 34.8 18.4 55.4





#77

Bromobenzene

Concen: 92.400 ug/l

RT: 11.53 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

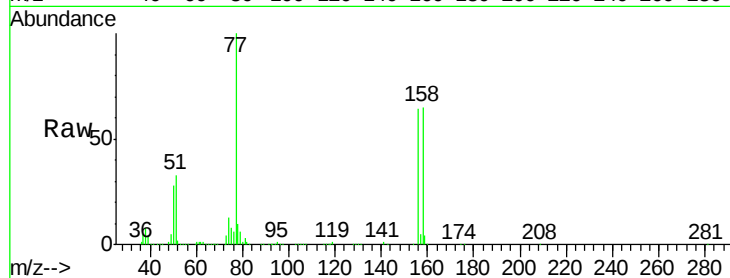
Tgt Ion:156 Resp: 251940

Ion Ratio Lower Upper

156 100

77 156.5 69.7 209.0

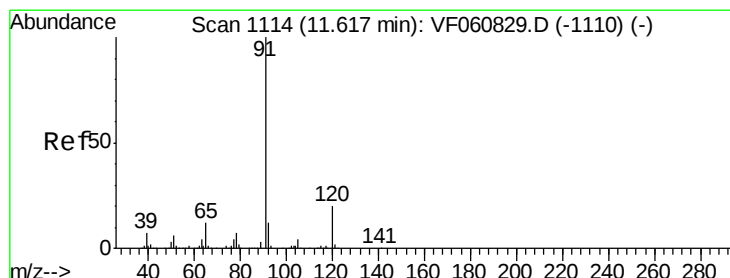
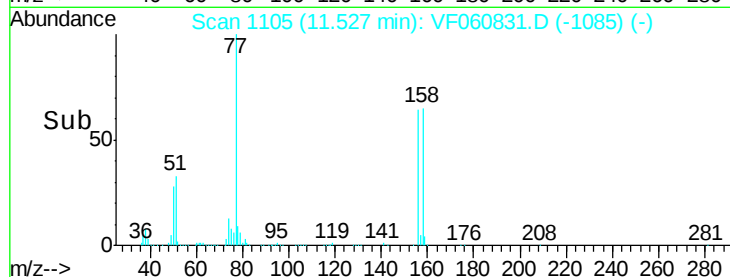
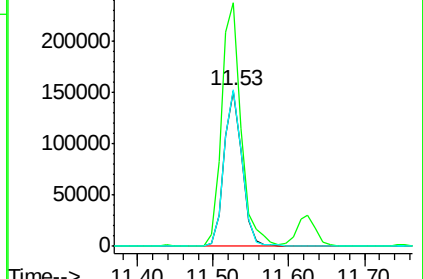
158 101.0 47.8 143.4



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: 80.701 ug/l

RT: 11.63 min Scan# 1115

Delta R.T. 0.01 min

Lab File: VF060831.D

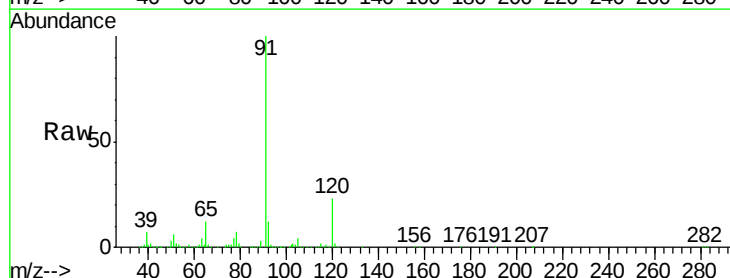
Acq: 26 Nov 2018 19:28

Tgt Ion: 91 Resp: 1226826

Ion Ratio Lower Upper

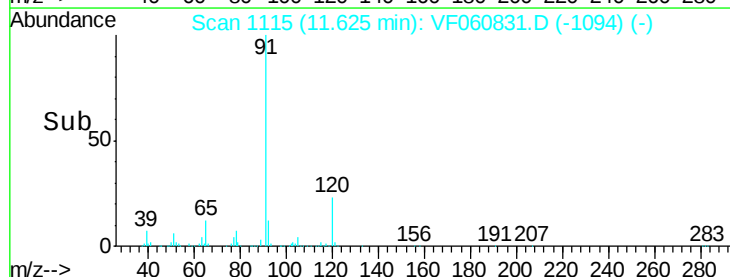
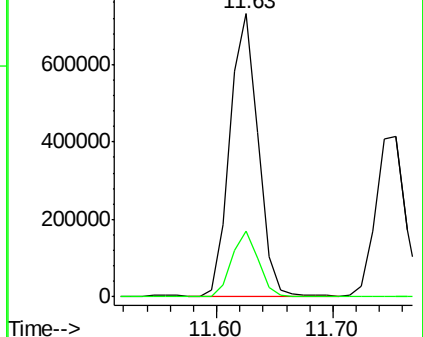
91 100

120 23.1 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

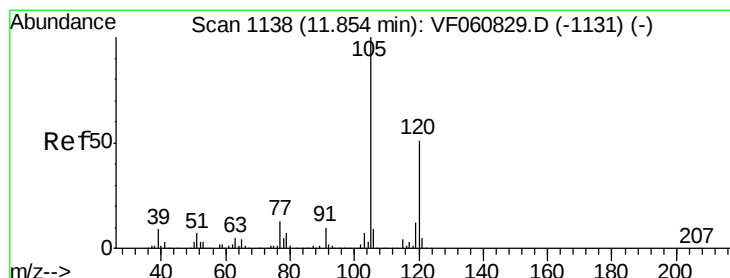
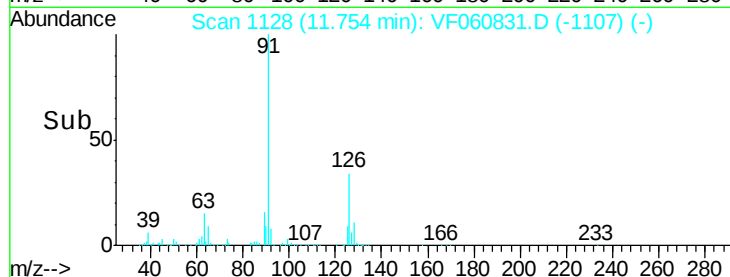
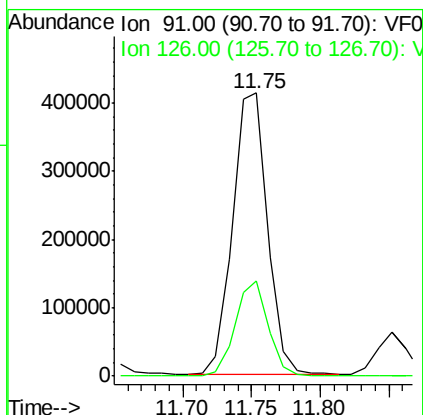
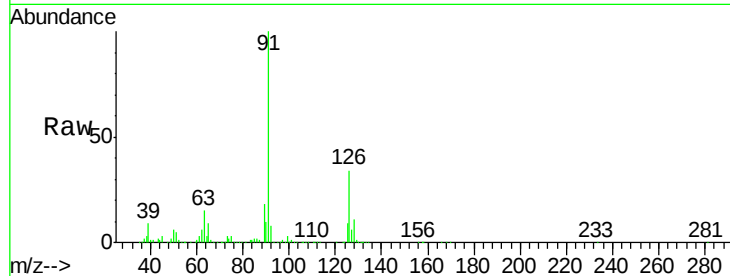




#79
 2-Chlorotoluene
 Concen: 82.860 ug/l
 RT: 11.75 min Scan# 1128
 Delta R.T. 0.01 min
 Lab File: VF060831.D
 Acq: 26 Nov 2018 19:28

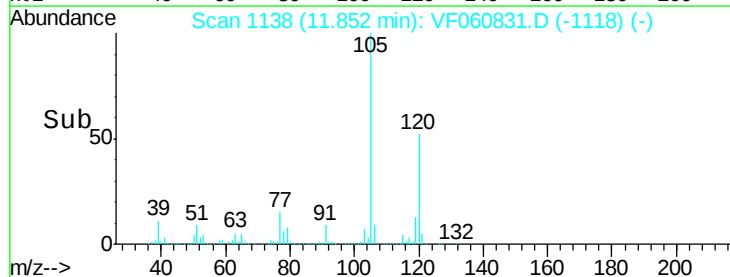
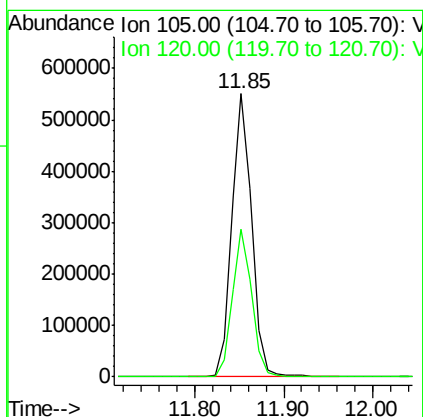
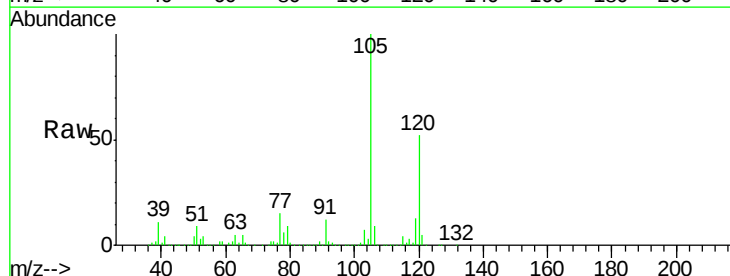
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

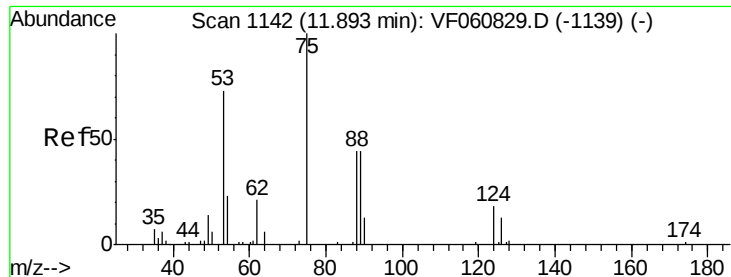
Tgt Ion: 91 Resp: 723942
 Ion Ratio Lower Upper
 91 100
 126 33.5 15.9 47.6



#80
 1,3,5-Trimethylbenzene
 Concen: 84.672 ug/l
 RT: 11.85 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VF060831.D
 Acq: 26 Nov 2018 19:28

Tgt Ion: 105 Resp: 868768
 Ion Ratio Lower Upper
 105 100
 120 52.3 25.8 77.3





#81

trans-1,4-Dichloro-2-butene

Concen: 117.482 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

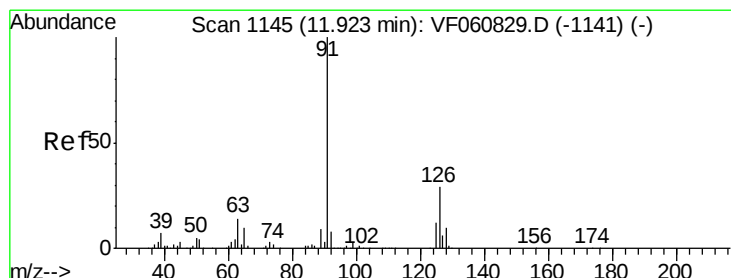
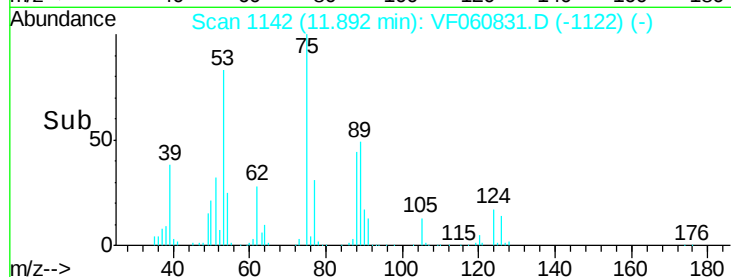
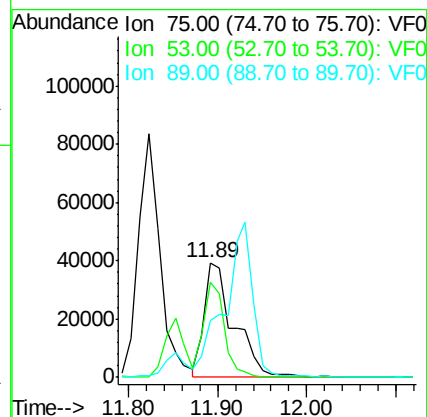
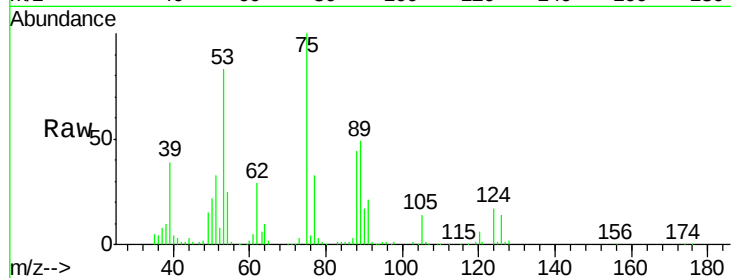
Tgt Ion: 75 Resp: 90753

Ion Ratio Lower Upper

75 100

53 83.2 65.9 98.9

89 49.1 38.8 58.2



#82

4-Chlorotoluene

Concen: 85.489 ug/l

RT: 11.93 min Scan# 1146

Delta R.T. 0.01 min

Lab File: VF060831.D

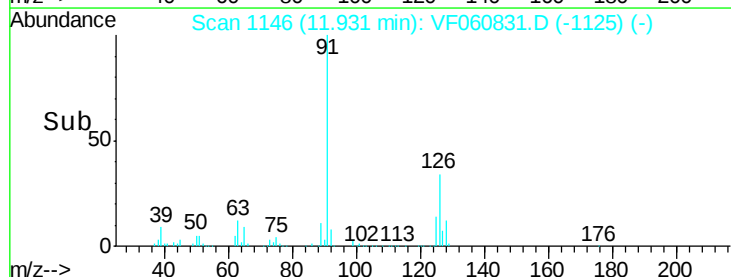
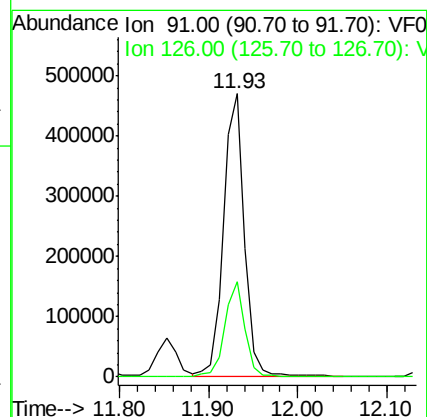
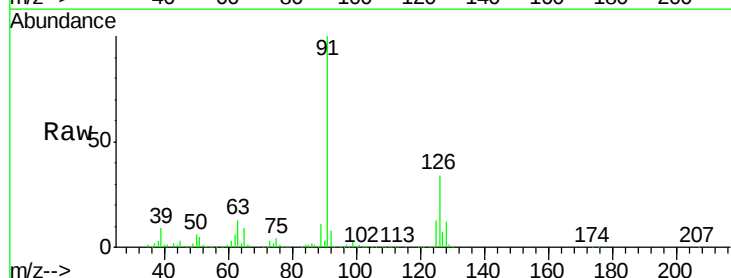
Acq: 26 Nov 2018 19:28

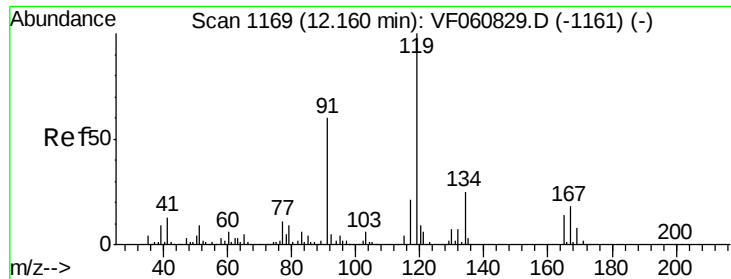
Tgt Ion: 91 Resp: 767485

Ion Ratio Lower Upper

91 100

126 33.6 14.8 44.4

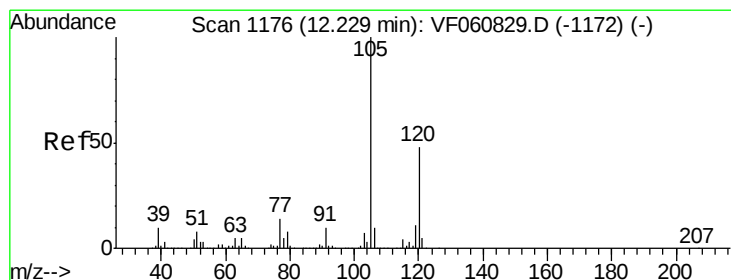
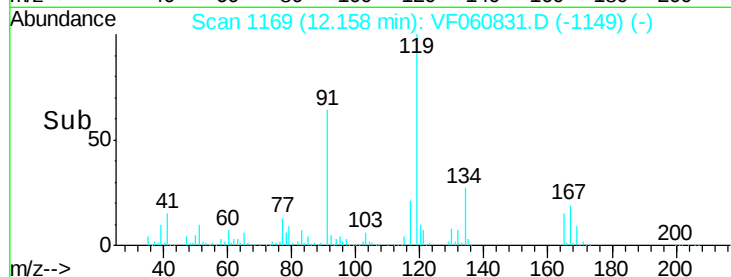
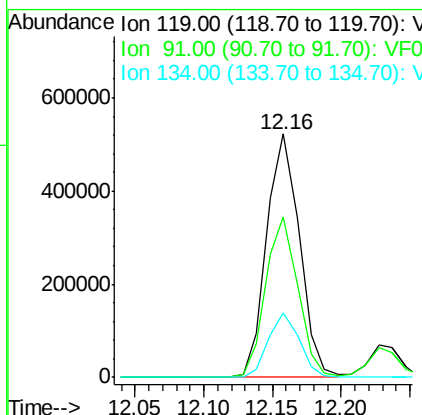
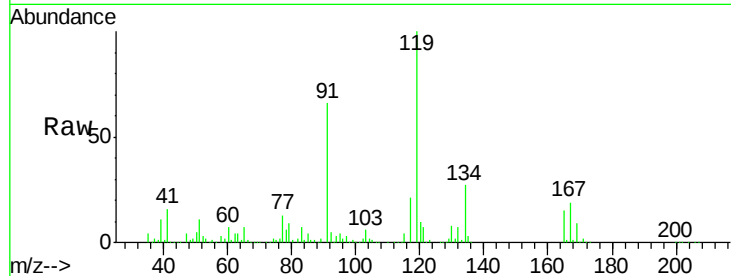




#83
 tert-Butylbenzene
 Concen: 81.161 ug/l
 RT: 12.16 min Scan# 1169
 Delta R.T. -0.00 min
 Lab File: VF060831.D
 Acq: 26 Nov 2018 19:28

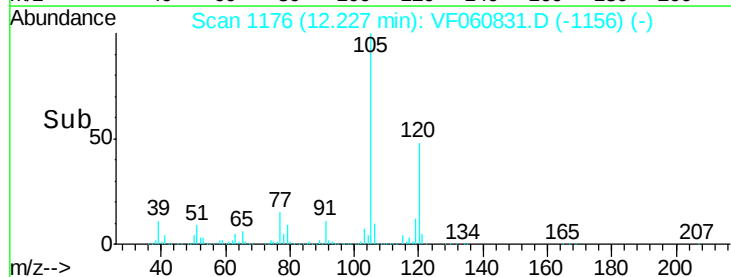
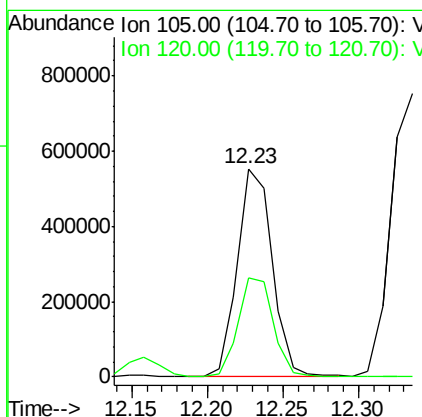
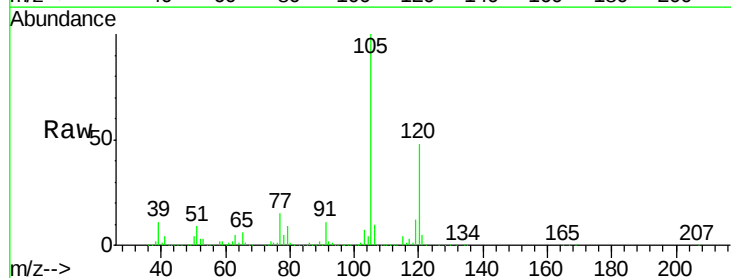
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

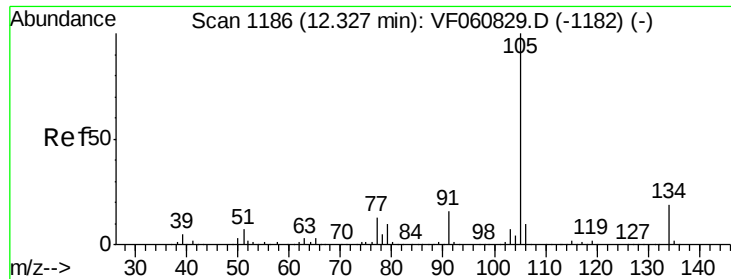
Tgt Ion:119 Resp: 871041
 Ion Ratio Lower Upper
 119 100
 91 65.7 30.1 90.3
 134 26.5 12.6 37.8



#84
 1,2,4-Trimethylbenzene
 Concen: 83.647 ug/l
 RT: 12.23 min Scan# 1176
 Delta R.T. -0.00 min
 Lab File: VF060831.D
 Acq: 26 Nov 2018 19:28

Tgt Ion:105 Resp: 889318
 Ion Ratio Lower Upper
 105 100
 120 47.7 23.8 71.5

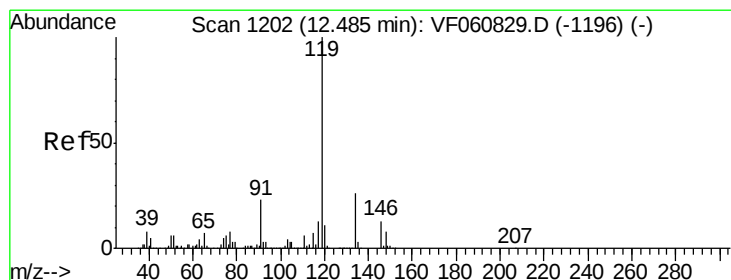
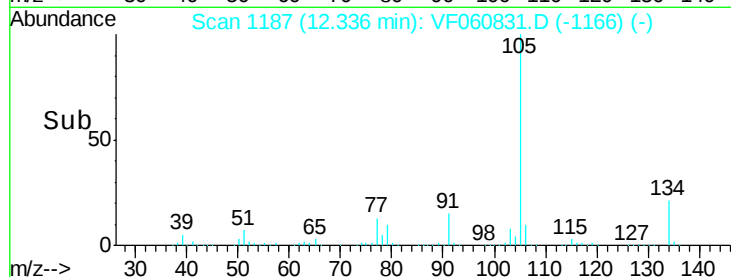
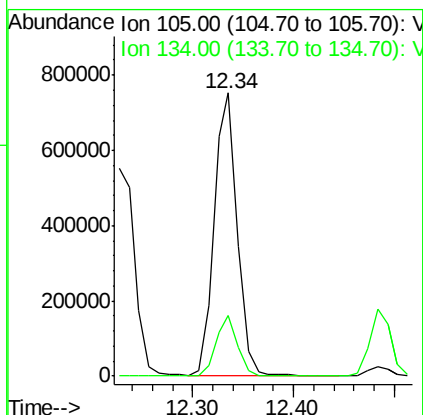
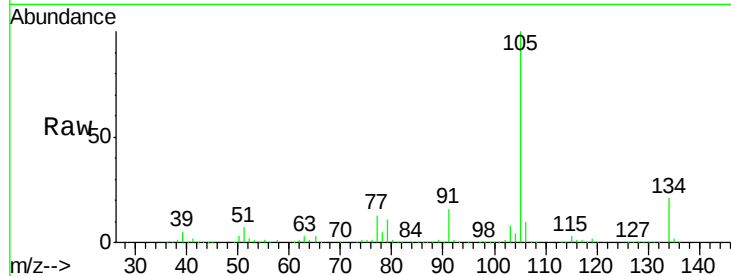




#85
 sec-Butylbenzene
 Concen: 81.914 ug/l
 RT: 12.34 min Scan# 1187
 Delta R.T. 0.01 min
 Lab File: VF060831.D
 Acq: 26 Nov 2018 19:28

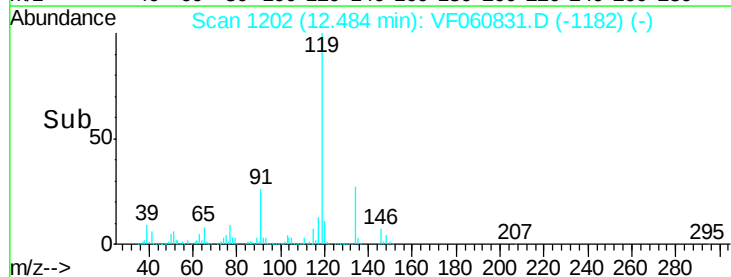
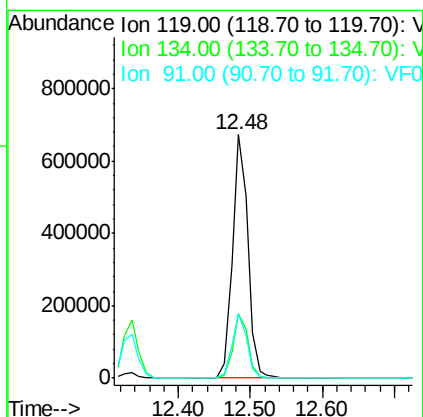
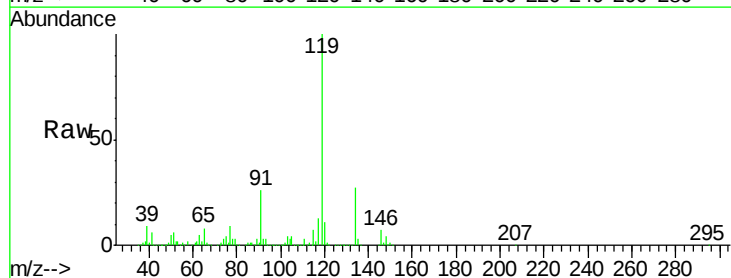
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

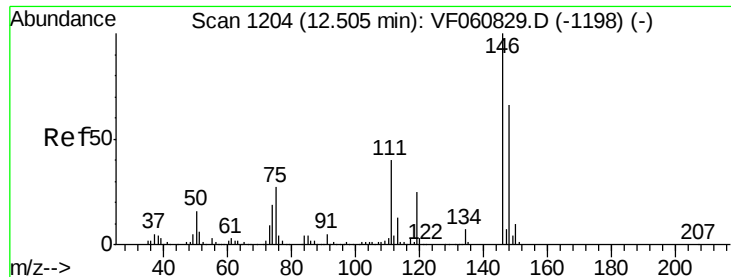
Tgt Ion:105 Resp: 1202373
 Ion Ratio Lower Upper
 105 100
 134 21.2 9.5 28.5



#86
 p-Isopropyltoluene
 Concen: 82.110 ug/l
 RT: 12.48 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VF060831.D
 Acq: 26 Nov 2018 19:28

Tgt Ion:119 Resp: 1000527
 Ion Ratio Lower Upper
 119 100
 134 26.6 12.9 38.6
 91 26.4 11.8 35.3





#87

1,3-Dichlorobenzene

Concen: 83.439 ug/l

RT: 12.50 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

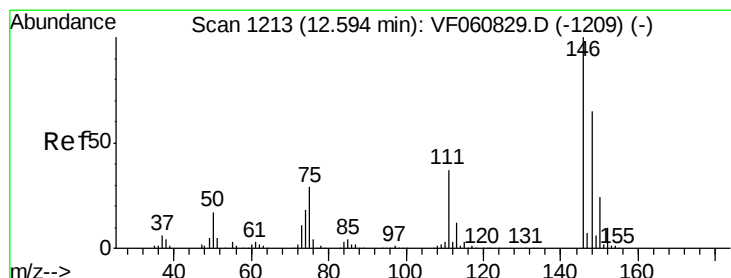
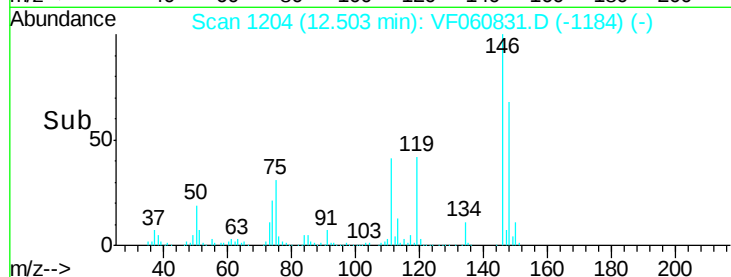
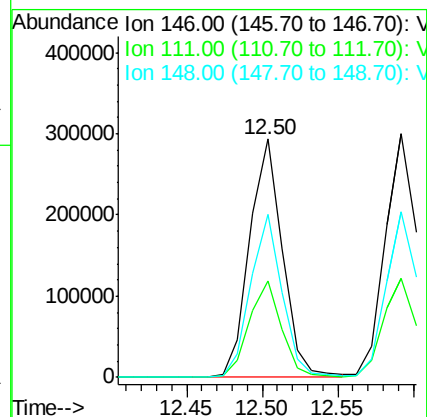
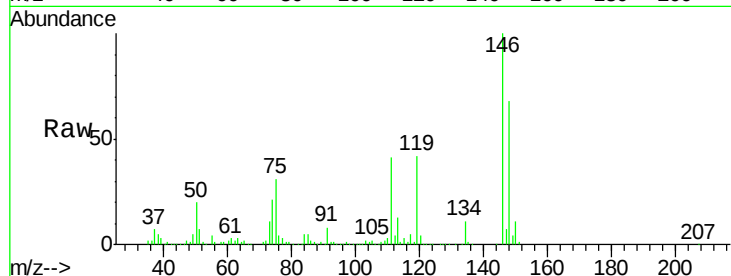
Tgt Ion:146 Resp: 446419

Ion Ratio Lower Upper

146 100

111 40.7 20.0 59.9

148 68.3 32.9 98.6



#88

1,4-Dichlorobenzene

Concen: 89.576 ug/l

RT: 12.59 min Scan# 1213

Delta R.T. -0.00 min

Lab File: VF060831.D

Acq: 26 Nov 2018 19:28

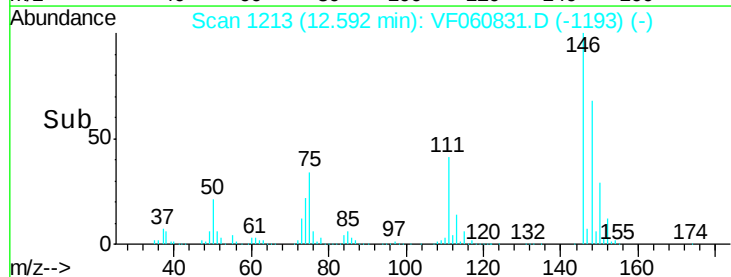
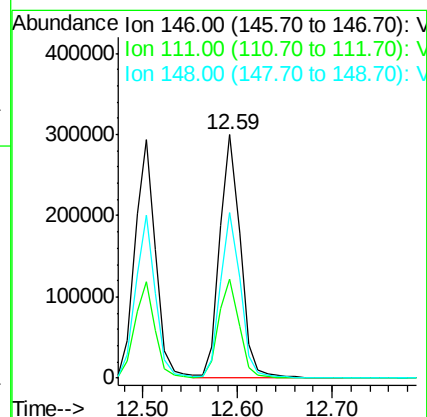
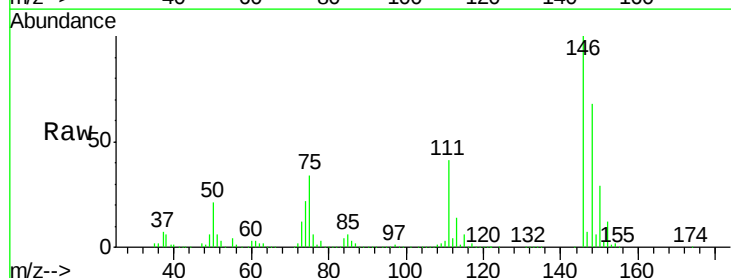
Tgt Ion:146 Resp: 459145

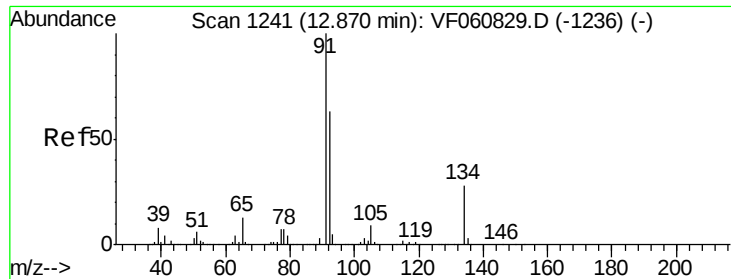
Ion Ratio Lower Upper

146 100

111 40.6 18.9 56.7

148 67.8 32.3 96.9

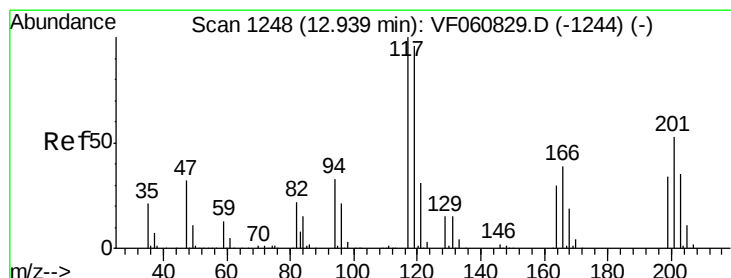
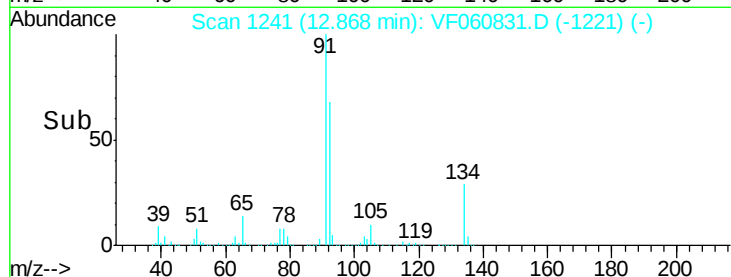
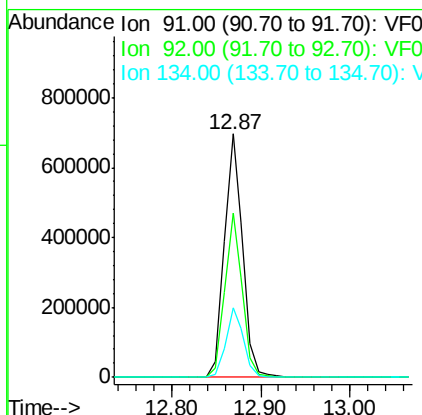
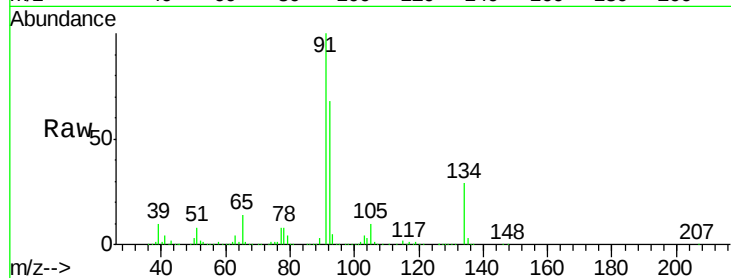




#89
n-Butylbenzene
Concen: 80.030 ug/l
RT: 12.87 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

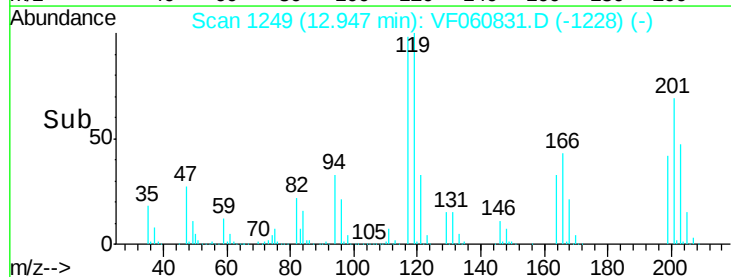
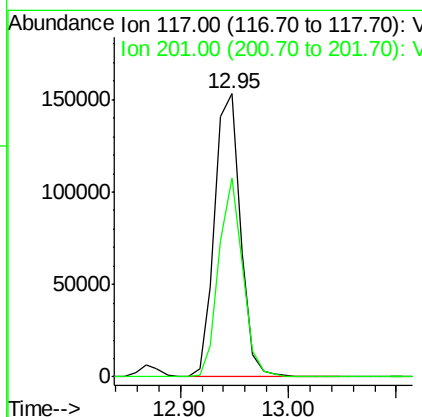
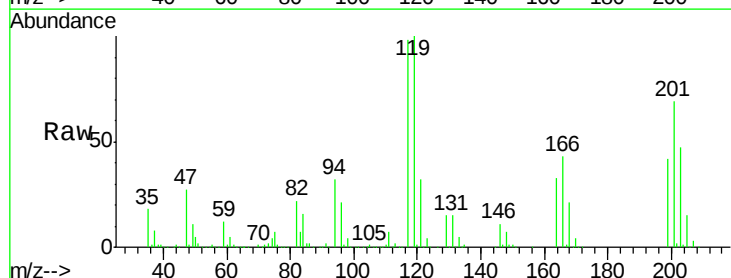
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

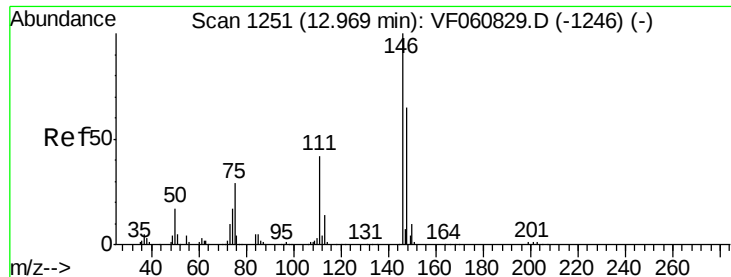
Tgt Ion: 91 Resp: 1010806
Ion Ratio Lower Upper
91 100
92 67.6 31.6 94.7
134 28.8 13.8 41.4



#90
Hexachloroethane
Concen: 85.537 ug/l
RT: 12.95 min Scan# 1249
Delta R.T. 0.01 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

Tgt Ion: 117 Resp: 255345
Ion Ratio Lower Upper
117 100
201 70.5 26.7 80.1

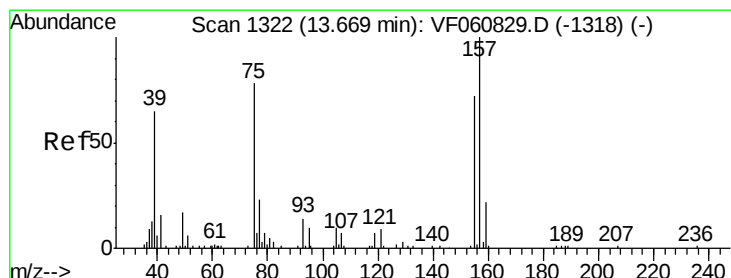
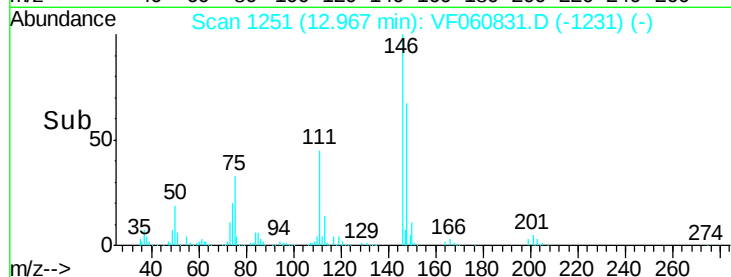
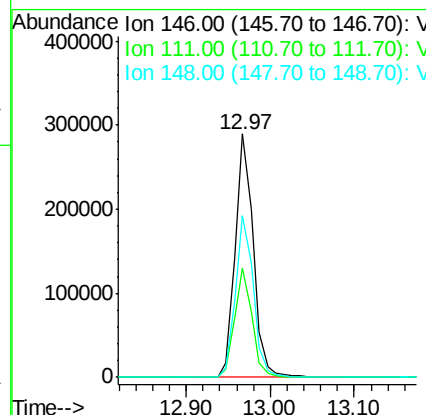
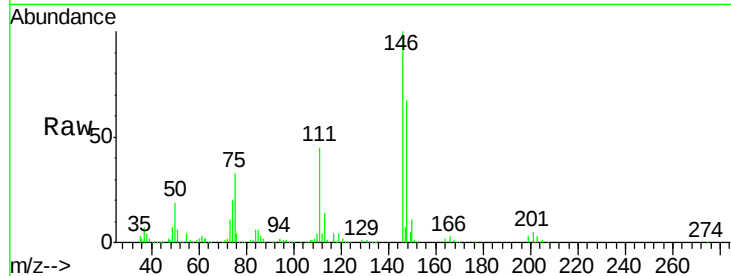




#91
 1,2-Dichlorobenzene
 Concen: 84.882 ug/l
 RT: 12.97 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VF060831.D
 Acq: 26 Nov 2018 19:28

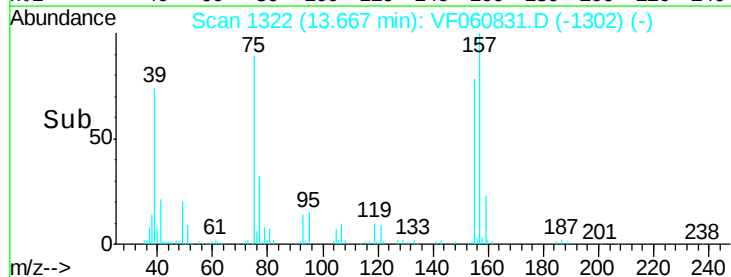
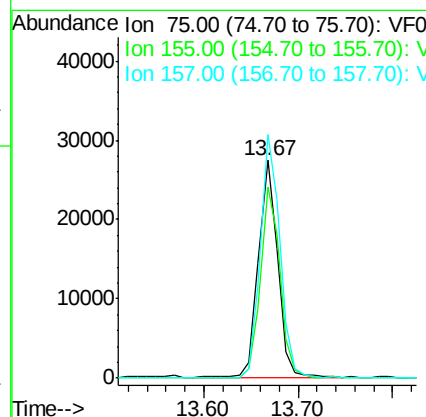
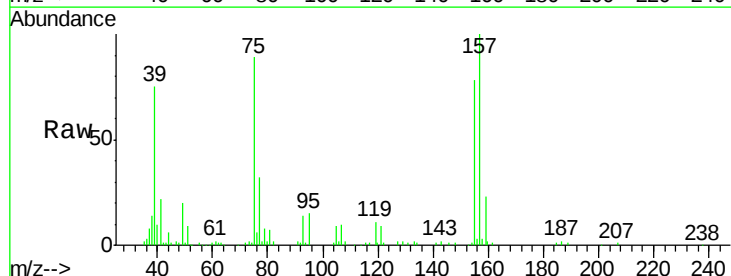
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

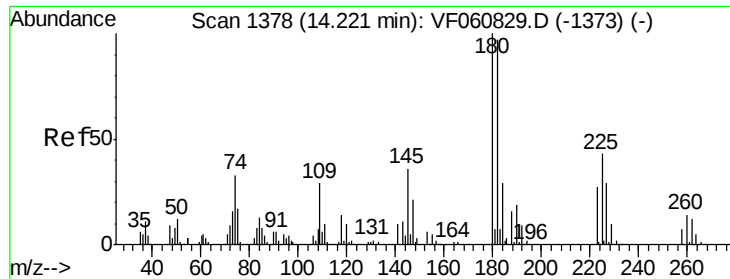
Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.7	21.2	63.6
148	66.6	32.5	97.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 98.807 ug/l
 RT: 13.67 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VF060831.D
 Acq: 26 Nov 2018 19:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.5	45.6	136.9
157	111.8	63.8	191.5

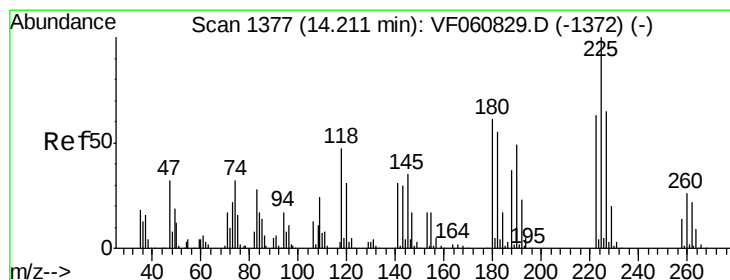
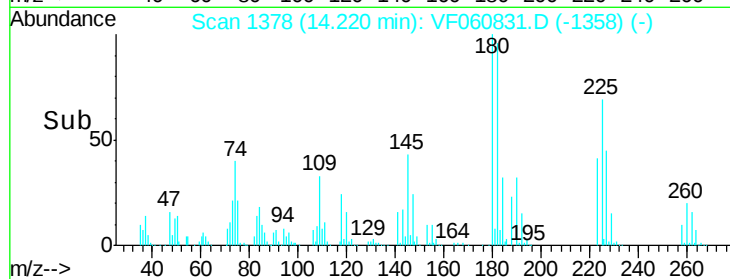
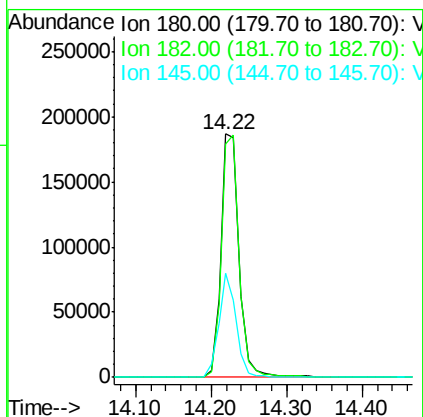
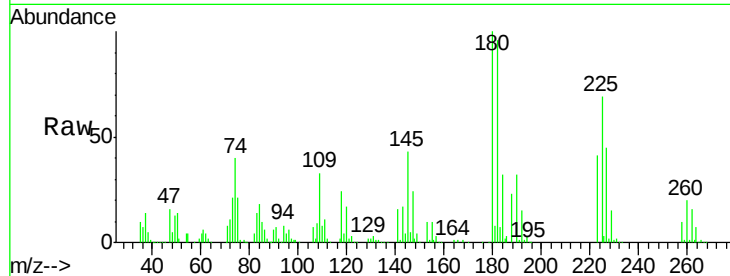




#93
 1,2,4-Trichlorobenzene
 Concen: 87.448 ug/l
 RT: 14.22 min Scan# 1378
 Delta R.T. -0.00 min
 Lab File: VF060831.D
 Acq: 26 Nov 2018 19:28

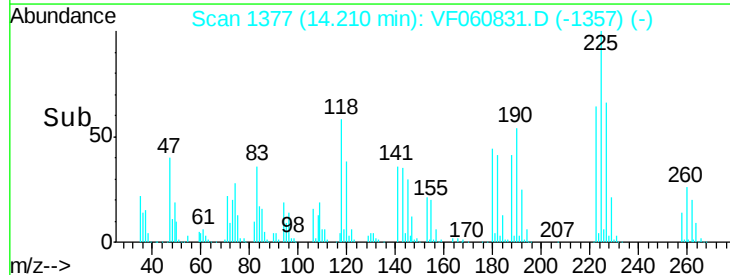
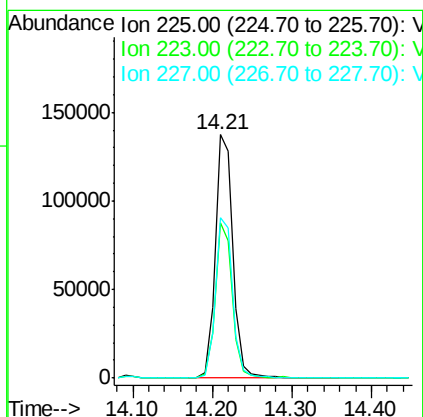
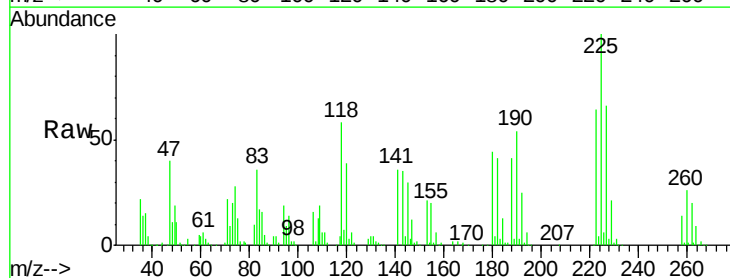
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

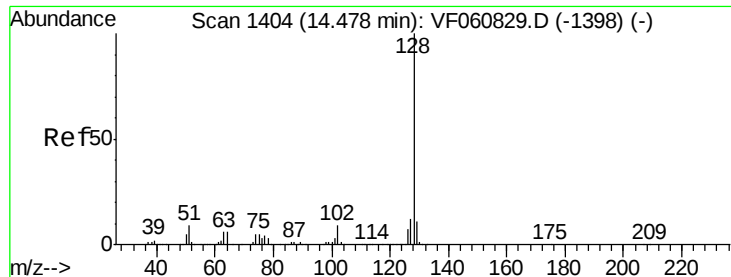
Tgt Ion:180 Resp: 313963
 Ion Ratio Lower Upper
 180 100
 182 96.1 48.5 145.5
 145 43.0 18.1 54.3



#94
 Hexachlorobutadiene
 Concen: 91.759 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VF060831.D
 Acq: 26 Nov 2018 19:28

Tgt Ion:225 Resp: 213731
 Ion Ratio Lower Upper
 225 100
 223 63.6 31.4 94.3
 227 66.1 32.5 97.5

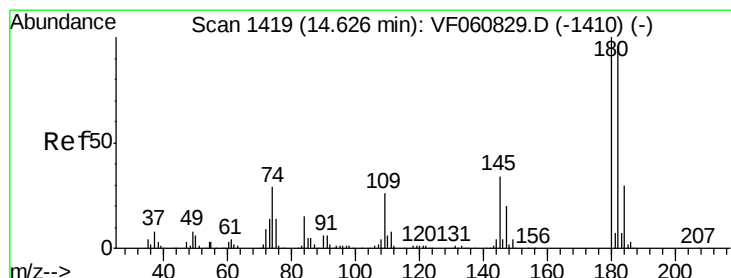
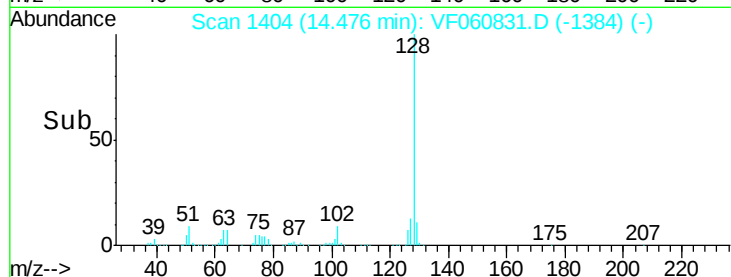
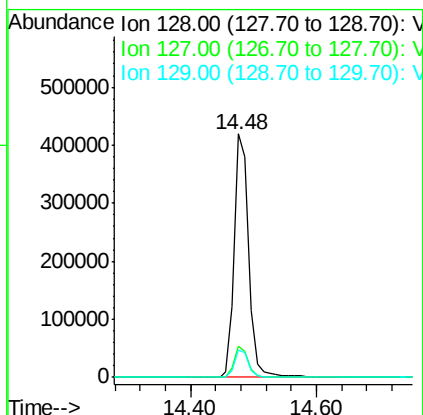
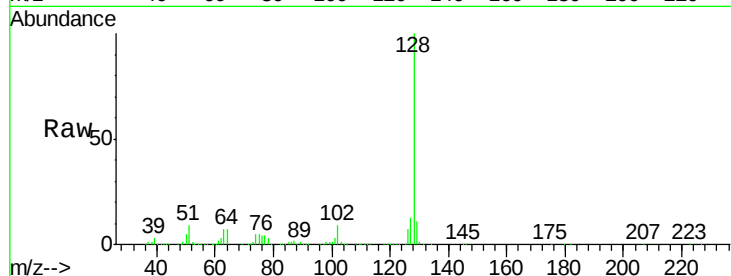




#95
Naphthalene
Concen: 99.642 ug/l
RT: 14.48 min Scan# 1404
Delta R.T. -0.00 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tgt Ion:128 Resp: 654366
Ion Ratio Lower Upper
128 100
127 12.7 9.9 14.9
129 11.2 9.1 13.7



#96
1,2,3-Trichlorobenzene
Concen: 95.328 ug/l
RT: 14.62 min Scan# 1419
Delta R.T. -0.00 min
Lab File: VF060831.D
Acq: 26 Nov 2018 19:28

Tgt Ion:180 Resp: 313556
Ion Ratio Lower Upper
180 100
182 96.0 47.9 143.8
145 36.0 17.2 51.5

