

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF112618\
 Data File : VF060832.D
 Acq On : 26 Nov 2018 19:57
 Operator : VA/AP
 Sample : VSTDICC150
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC150

Quant Time: Nov 27 00:38:28 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	182629	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.64	114	331413	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.81	117	302857	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.58	152	151307	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.89	65	337550	159.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	319.12%	
35) Dibromofluoromethane	4.16	113	337635	131.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	263.66%	
50) Toluene-d8	7.59	98	972578	129.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	259.68%	
62) 4-Bromofluorobenzene	11.44	95	454572	131.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	262.08%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.97	85	384498	121.962	ug/l	98
3) Chloromethane	1.11	50	246514	127.369	ug/l	95
4) Vinyl Chloride	1.16	62	230140	130.753	ug/l	94
5) Bromomethane	1.34	94	154897	135.902	ug/l	98
6) Chloroethane	1.41	64	93049	135.086	ug/l	95
7) Trichlorofluoromethane	1.50	101	508803	131.377	ug/l	96
8) Diethyl Ether	1.64	74	65031	128.532	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.85	101	232951	125.344	ug/l	98
10) Methyl Iodide	1.93	142	313699	105.953	ug/l	98
11) Tert butyl alcohol	2.60	59	62574	670.015	ug/l	93
12) 1,1-Dichloroethene	1.81	96	197969	133.793	ug/l	97
13) Acrolein	2.02	56	60920	689.887	ug/l	97
14) Allyl chloride	2.12	41	242278	94.063	ug/l	99
15) Acrylonitrile	2.97	53	140498	704.207	ug/l	96
16) Acetone	2.26	43	265839	622.709	ug/l	97
17) Carbon Disulfide	1.85	76	396081	91.202	ug/l	99
18) Methyl Acetate	2.37	43	98413	138.014	ug/l	98
19) Methyl tert-butyl Ether	2.45	73	454225	130.114	ug/l	99
20) Methylene Chloride	2.20	84	59360	36.114	ug/l	92
21) trans-1,2-Dichloroethene	2.33	96	153477	101.848	ug/l	92
22) Diisopropyl ether	2.83	45	704288	141.375	ug/l	97
23) Vinyl Acetate	3.22	43	1664222	717.695	ug/l	97
24) 1,1-Dichloroethane	2.90	63	420406	138.038	ug/l	98
25) 2-Butanone	4.37	43	479181	665.430	ug/l	98
26) 2,2-Dichloropropane	3.63	77	240574	103.853	ug/l	100
27) cis-1,2-Dichloroethene	3.51	96	326240	127.418	ug/l	98
28) Bromochloromethane	3.75	49	194044	126.230	ug/l	94
29) Tetrahydrofuran	4.11	42	192047	645.448	ug/l	98
30) Chloroform	3.90	83	601158	126.161	ug/l	97
31) Cyclohexane	3.72	56	230457	64.577	ug/l	96
32) 1,1,1-Trichloroethane	4.14	97	349385	93.403	ug/l	96
36) 1,1-Dichloropropene	4.33	75	452715	118.386	ug/l	97
37) Ethyl Acetate	4.15	43	179252	124.221	ug/l #	91
38) Carbon Tetrachloride	4.03	117	365584	98.297	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.49	83	386101	88.570	ug/l	98
40) Benzene	4.67	78	976364	114.831	ug/l	99
41) Methacrylonitrile	4.79	41	104780	121.259	ug/l	95
42) 1,2-Dichloroethane	4.99	62	388334	129.520	ug/l	96
43) Isopropyl Acetate	6.99	43	261513	135.839	ug/l #	96
44) Trichloroethene	5.54	130	302943	111.591	ug/l	93
45) 1,2-Dichloropropane	6.27	63	277133	123.055	ug/l	99
46) Dibromomethane	6.13	93	193940	131.416	ug/l	97
47) Bromodichloromethane	6.43	83	490653	130.408	ug/l	96
48) Methyl methacrylate	6.75	41	178809	138.820	ug/l	95
49) 1,4-Dioxane	6.74	88	25865	2200.389	ug/l	88
51) 4-Methyl-2-Pentanone	8.29	43	832769	604.400	ug/l	99
52) Toluene	7.66	92	646322	113.238	ug/l	99
53) t-1,3-Dichloropropene	8.32	75	386692	126.762	ug/l	98
54) cis-1,3-Dichloropropene	7.34	75	494313	123.946	ug/l	99
55) 1,1,2-Trichloroethane	8.53	97	207526	126.078	ug/l	99
56) Ethyl methacrylate	8.66	69	244380	129.308	ug/l	98
57) 1,3-Dichloropropane	8.89	76	386726	133.240	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.33	63	138835	808.362	ug/l	98
59) 2-Hexanone	9.53	43	567020	582.532	ug/l	100
60) Dibromochloromethane	8.75	129	331915	139.460	ug/l	98
61) 1,2-Dibromoethane	9.02	107	230928	132.936	ug/l	99
64) Tetrachloroethene	8.19	164	289459	124.439	ug/l	96
65) Chlorobenzene	9.84	112	760263	125.111	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.97	131	322011	123.752	ug/l	98
67) Ethyl Benzene	9.94	91	1282744	112.709	ug/l	94
68) m/p-Xylenes	10.17	106	957783	236.319	ug/l	88
69) o-Xylene	10.75	106	539202	118.782	ug/l	100
70) Styrene	10.83	104	719307	116.059	ug/l	98
71) Bromoform	10.81	173	171421	144.995	ug/l	98
73) Isopropylbenzene	11.15	105	1426877	117.680	ug/l	95
74) N-amyl acetate	11.40	43	353889	126.484	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.72	83	268349	134.310	ug/l	98
76) 1,2,3-Trichloropropane	11.82	75	193258	128.725	ug/l	96
77) Bromobenzene	11.53	156	341157	132.768	ug/l	90
78) n-propylbenzene	11.62	91	1645108	114.829	ug/l	92
79) 2-Chlorotoluene	11.75	91	997169	121.107	ug/l	94
80) 1,3,5-Trimethylbenzene	11.85	105	1159385	119.901	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.90	75	121618	167.059	ug/l	93
82) 4-Chlorotoluene	11.93	91	1031112	121.874	ug/l	91
83) tert-Butylbenzene	12.16	119	1195142	118.166	ug/l	93
84) 1,2,4-Trimethylbenzene	12.24	105	1154776	115.253	ug/l	93
85) sec-Butylbenzene	12.34	105	1557949	112.625	ug/l	93
86) p-Isopropyltoluene	12.48	119	1267815	110.404	ug/l	94
87) 1,3-Dichlorobenzene	12.50	146	566221	112.299	ug/l	96
88) 1,4-Dichlorobenzene	12.59	146	622507	128.869	ug/l	95
89) n-Butylbenzene	12.87	91	1256504	105.563	ug/l	94
90) Hexachloroethane	12.95	117	368697	131.057	ug/l	77
91) 1,2-Dichlorobenzene	12.97	146	595456	124.571	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.67	75	56138	149.603	ug/l	89

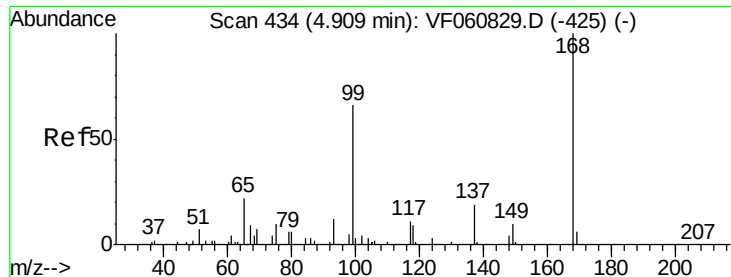
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	413220	122.128	ug/l	98
94) Hexachlorobutadiene	14.22	225	282509	128.699	ug/l	97
95) Naphthalene	14.49	128	893626	144.391	ug/l	100
96) 1,2,3-Trichlorobenzene	14.62	180	426107	137.463	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.91 min Scan# 434

Delta R.T. -0.00 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

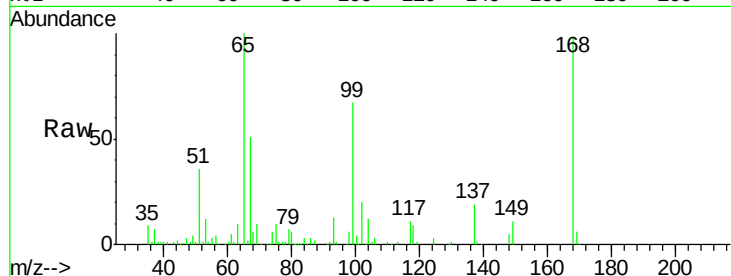
VSTDIC150

Tgt Ion:168 Resp: 182629

Ion Ratio Lower Upper

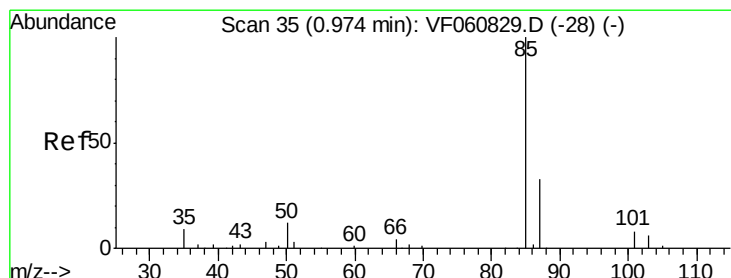
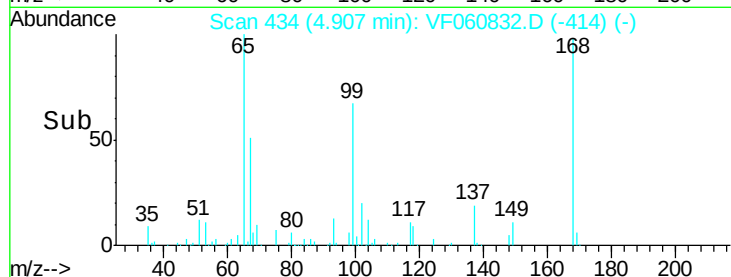
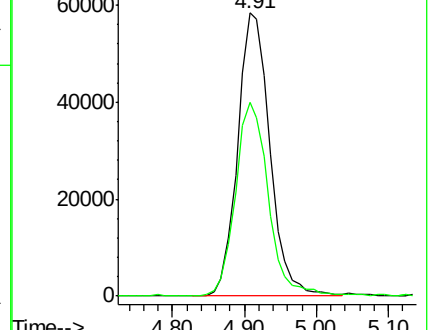
168 100

99 68.5 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: 121.962 ug/l

RT: 0.97 min Scan# 35

Delta R.T. -0.00 min

Lab File: VF060832.D

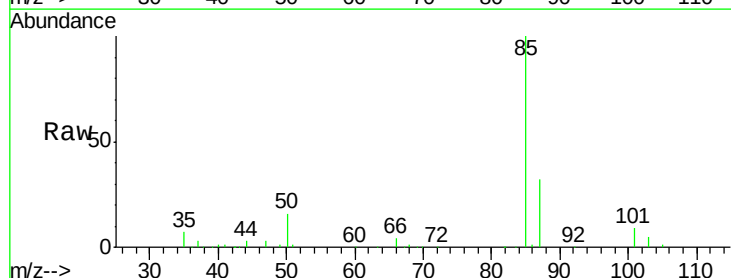
Acq: 26 Nov 2018 19:57

Tgt Ion: 85 Resp: 384498

Ion Ratio Lower Upper

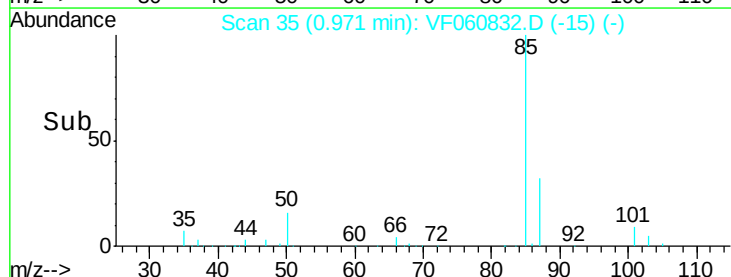
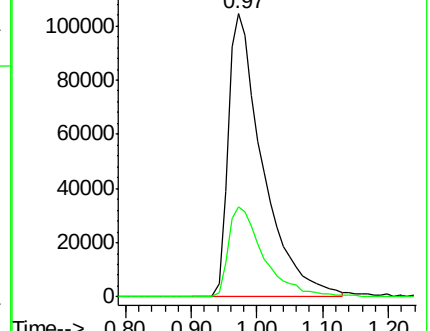
85 100

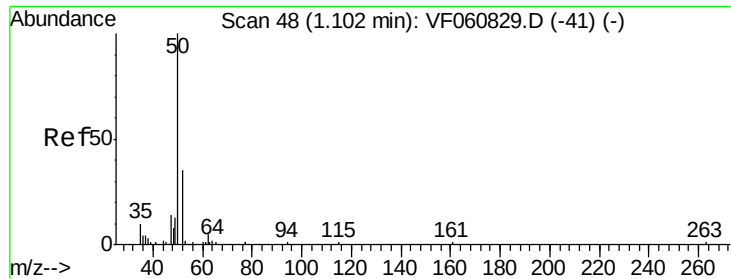
87 31.9 16.7 50.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 127.369 ug/l

RT: 1.11 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

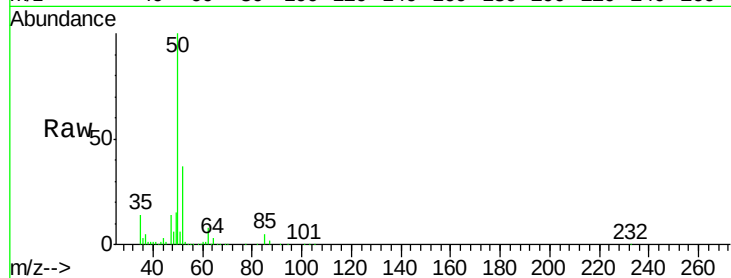
VSTDIC150

Tgt Ion: 50 Resp: 246514

Ion Ratio Lower Upper

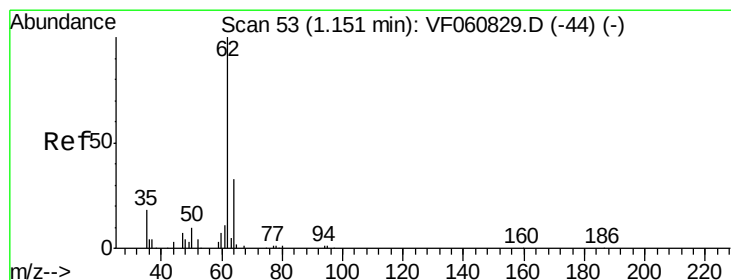
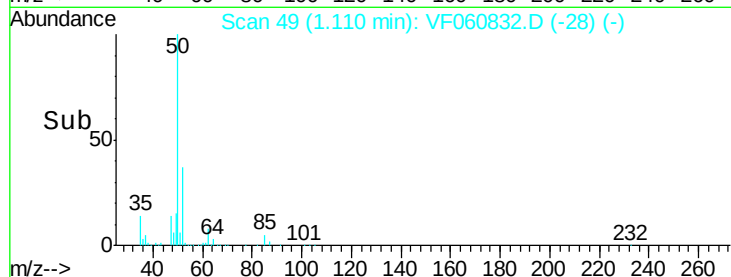
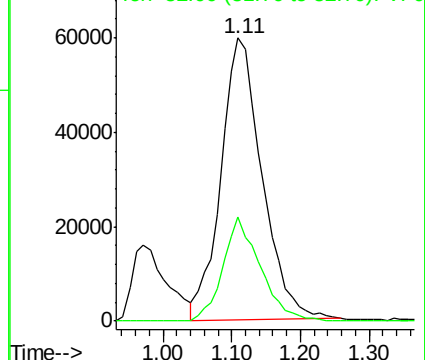
50 100

52 36.8 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: 130.753 ug/l

RT: 1.16 min Scan# 54

Delta R.T. 0.01 min

Lab File: VF060832.D

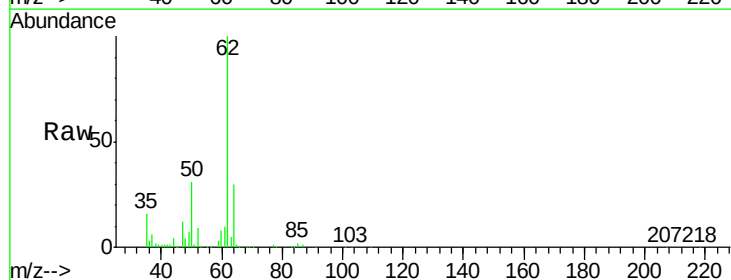
Acq: 26 Nov 2018 19:57

Tgt Ion: 62 Resp: 230140

Ion Ratio Lower Upper

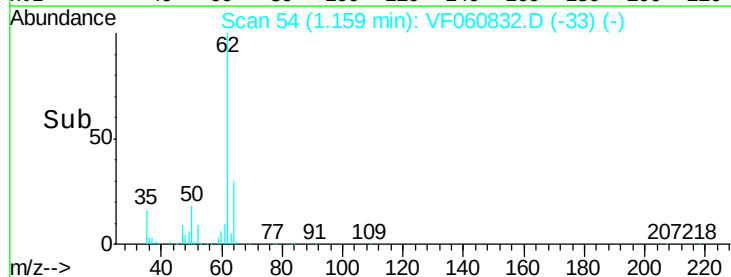
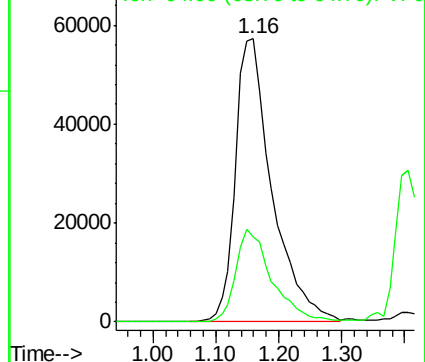
62 100

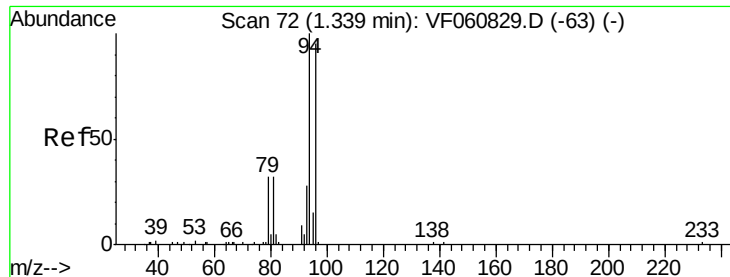
64 29.9 26.4 39.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 135.902 ug/l

RT: 1.34 min Scan# 72

Delta R.T. -0.00 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

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ClientSampleId :

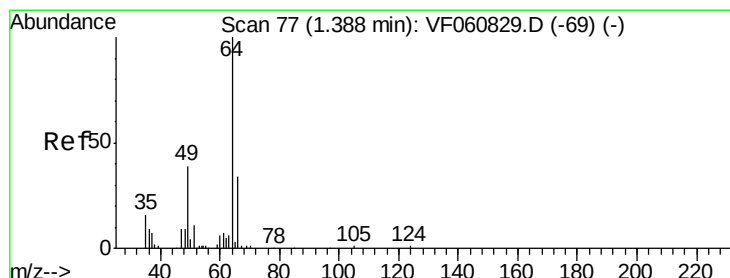
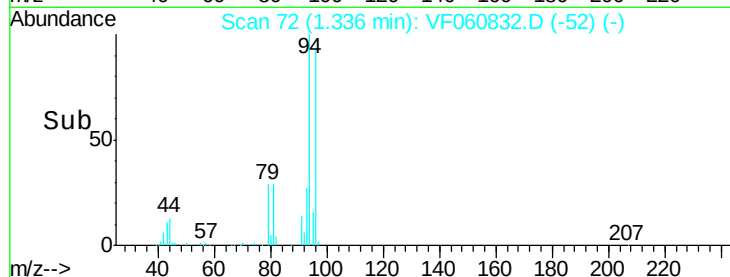
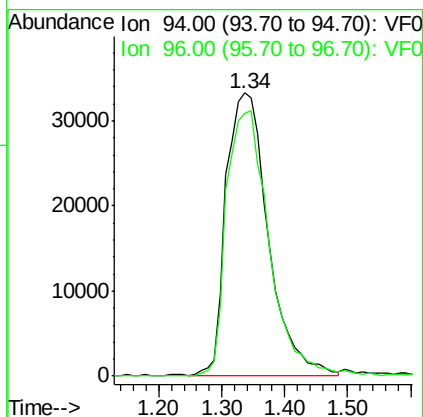
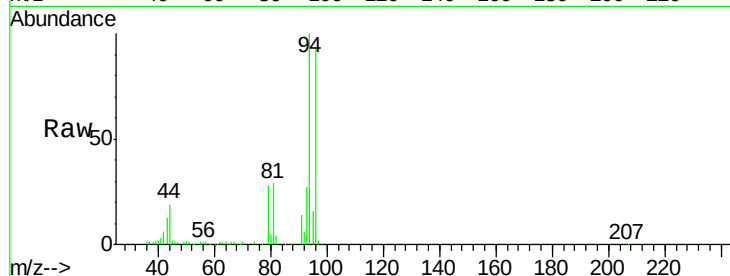
VSTDIC150

Tgt Ion: 94 Resp: 154897

Ion Ratio Lower Upper

94 100

96 92.7 75.9 113.9



#6

Chloroethane

Concen: 135.086 ug/l

RT: 1.41 min Scan# 79

Delta R.T. 0.02 min

Lab File: VF060832.D

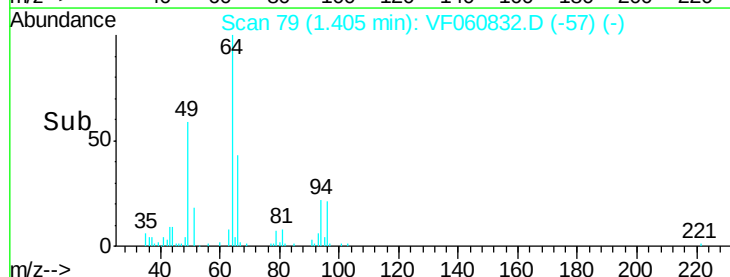
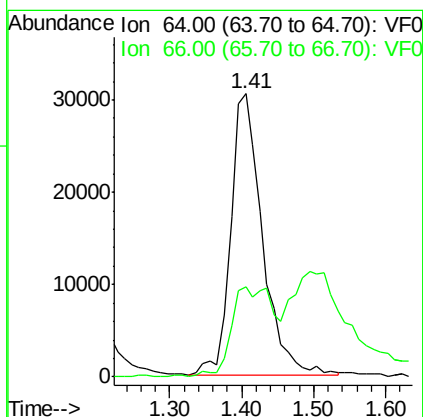
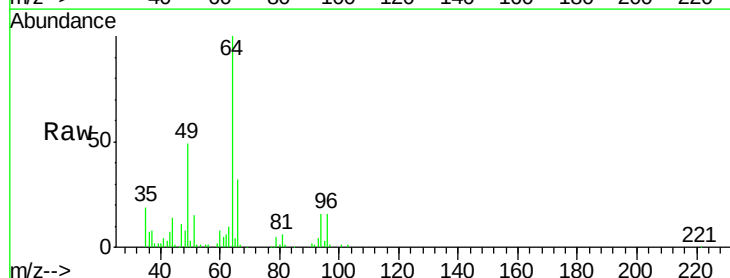
Acq: 26 Nov 2018 19:57

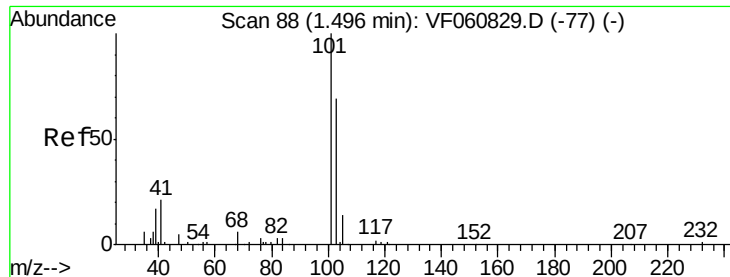
Tgt Ion: 64 Resp: 93049

Ion Ratio Lower Upper

64 100

66 32.0 28.1 42.1



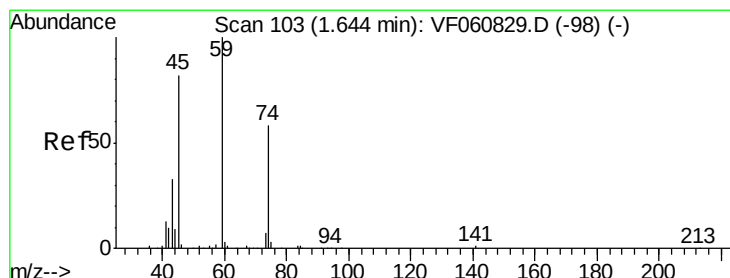
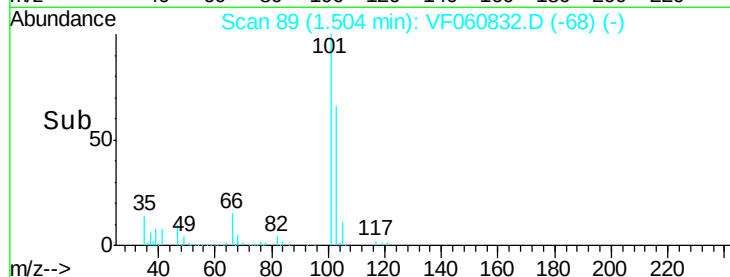
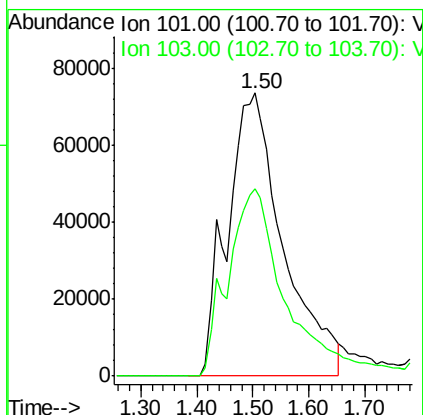
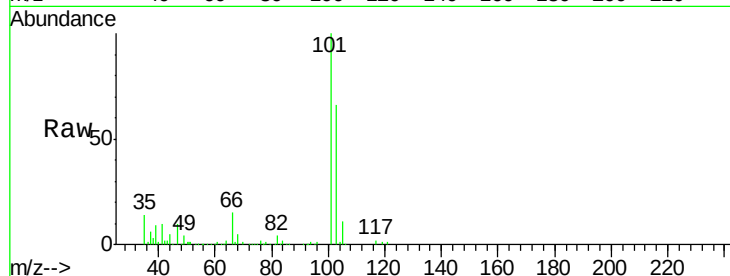


#7

Trichlorofluoromethane
 Concen: 131.377 ug/l
 RT: 1.50 min Scan# 89
 Delta R.T. 0.01 min
 Lab File: VF060832.D
 Acq: 26 Nov 2018 19:57

Instrument :
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 VSTDIC150

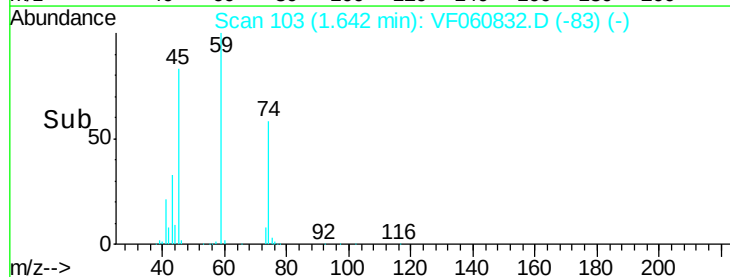
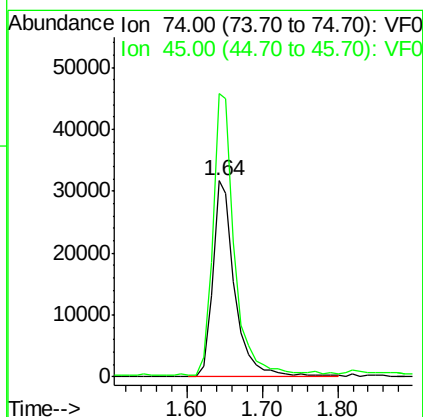
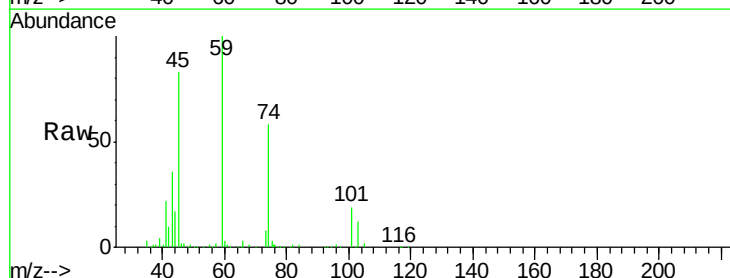
Tgt Ion: 101 Resp: 508803
 Ion Ratio Lower Upper
 101 100
 103 66.0 55.4 83.0

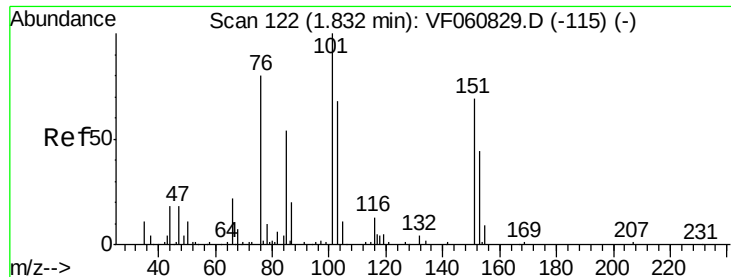


#8

Diethyl Ether
 Concen: 128.532 ug/l
 RT: 1.64 min Scan# 103
 Delta R.T. -0.00 min
 Lab File: VF060832.D
 Acq: 26 Nov 2018 19:57

Tgt Ion: 74 Resp: 65031
 Ion Ratio Lower Upper
 74 100
 45 144.3 71.0 212.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 125.344 ug/l

RT: 1.85 min Scan# 124

Delta R.T. 0.02 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

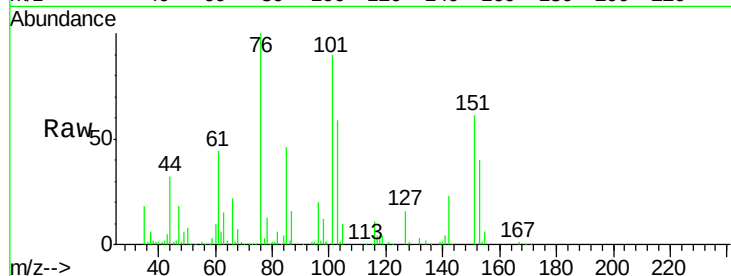
Tgt Ion:101 Resp: 232951

Ion Ratio Lower Upper

101 100

85 51.2 42.8 64.2

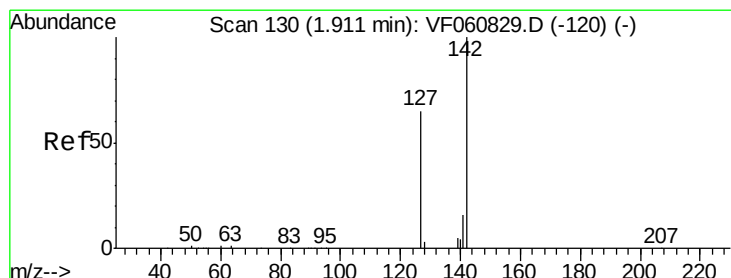
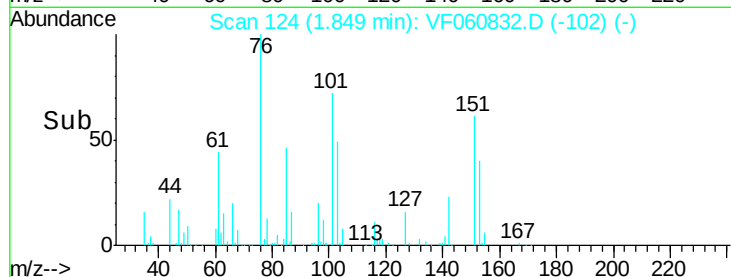
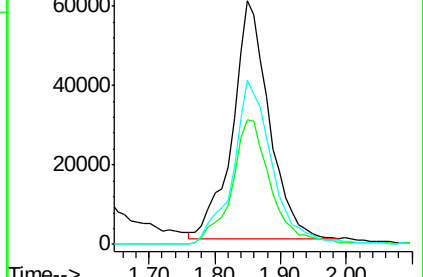
151 67.4 54.4 81.6



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: 105.953 ug/l

RT: 1.93 min Scan# 132

Delta R.T. 0.02 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

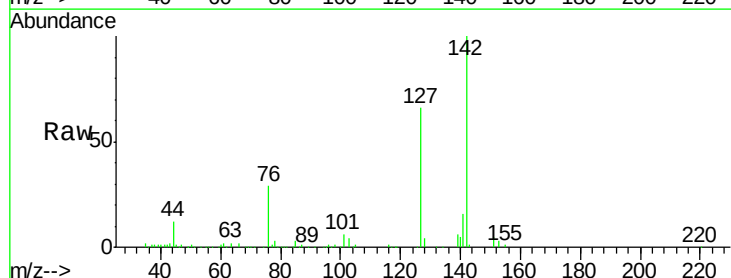
Tgt Ion:142 Resp: 313699

Ion Ratio Lower Upper

142 100

127 66.5 51.9 77.9

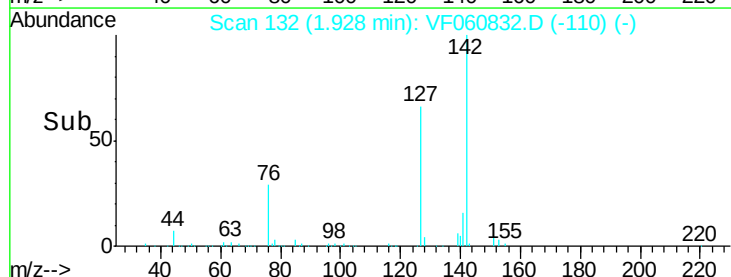
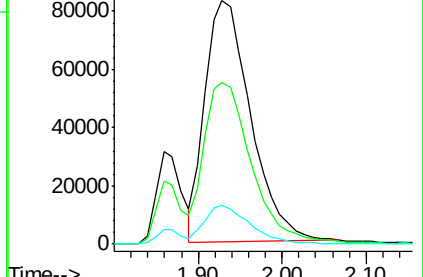
141 15.9 12.7 19.1

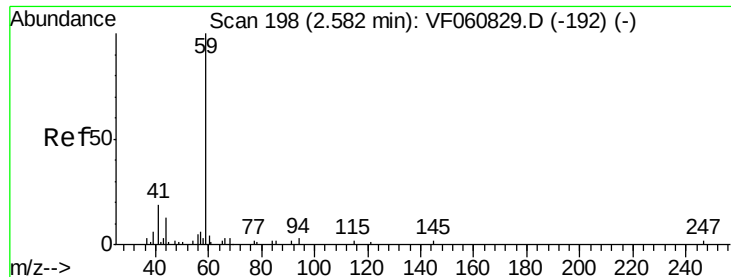


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

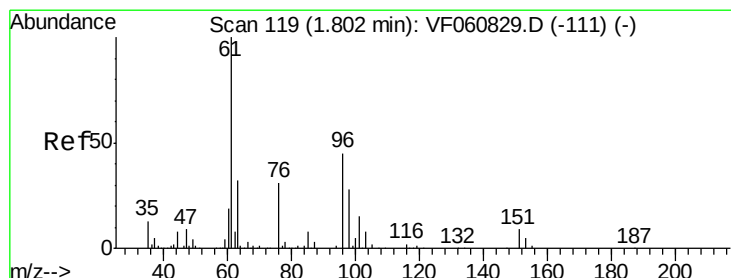
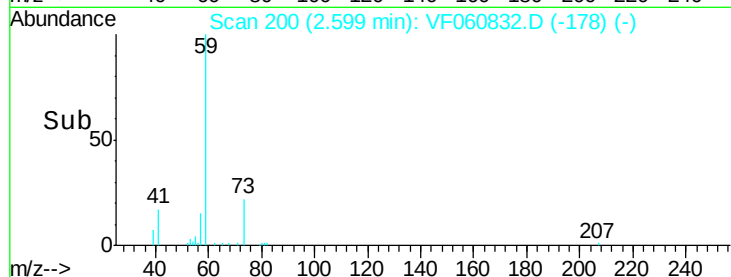
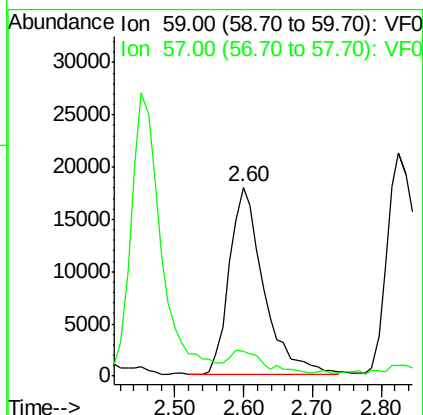
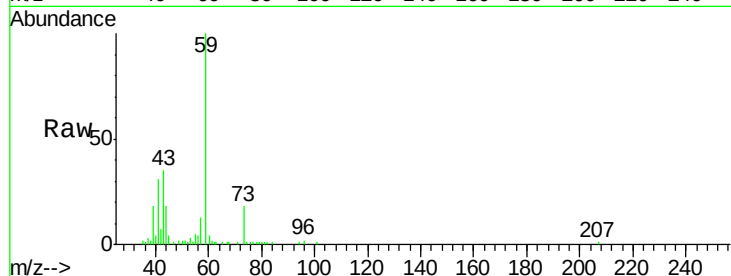




#11
Tert butyl alcohol
Concen: 670.015 ug/l
RT: 2.60 min Scan# 200
Delta R.T. 0.02 min
Lab File: VF060832.D
Acq: 26 Nov 2018 19:57

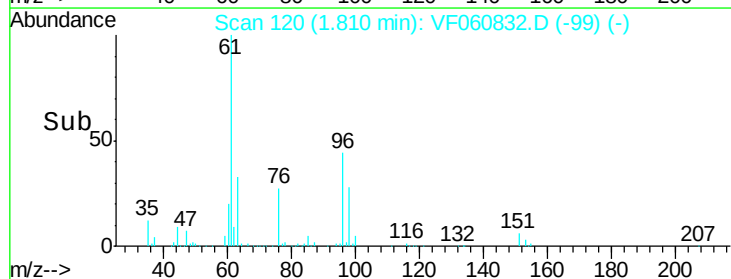
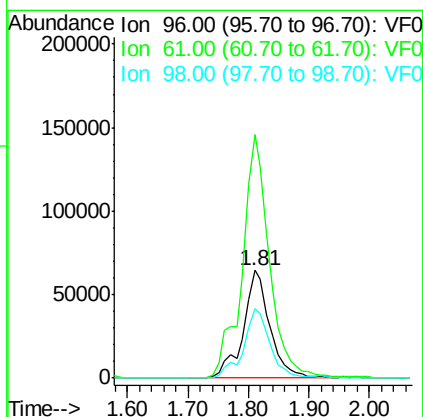
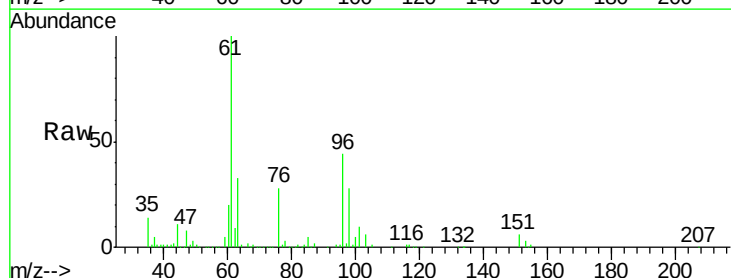
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

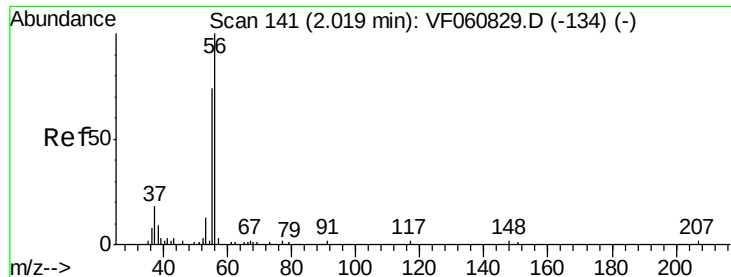
Tgt Ion: 59 Resp: 62574
Ion Ratio Lower Upper
59 100
57 12.9 12.7 19.1



#12
1,1-Dichloroethene
Concen: 133.793 ug/l
RT: 1.81 min Scan# 120
Delta R.T. 0.01 min
Lab File: VF060832.D
Acq: 26 Nov 2018 19:57

Tgt Ion: 96 Resp: 197969
Ion Ratio Lower Upper
96 100
61 226.0 177.3 265.9
98 64.1 49.6 74.4





#13

Acrolein

Concen: 689.887 ug/l

RT: 2.02 min Scan# 141

Delta R.T. -0.00 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

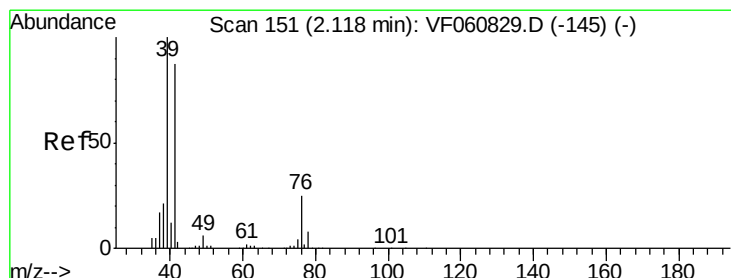
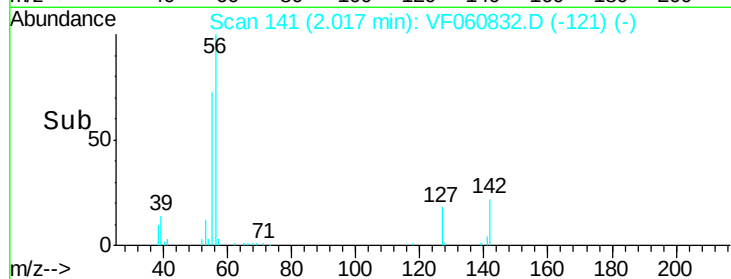
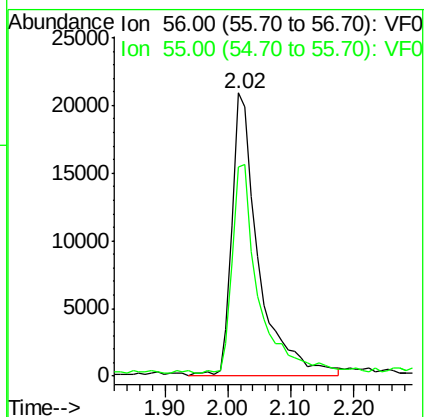
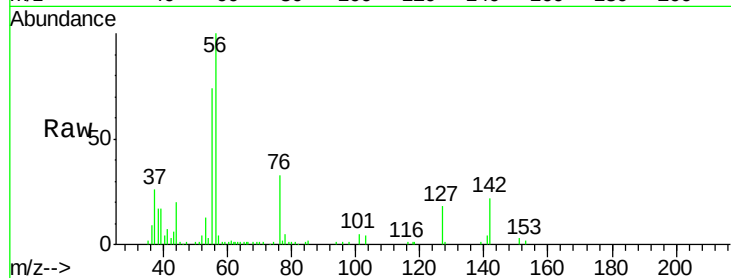
VSTDIC150

Tgt Ion: 56 Resp: 60920

Ion Ratio Lower Upper

56 100

55 73.9 61.2 91.8



#14

Allyl chloride

Concen: 94.063 ug/l

RT: 2.12 min Scan# 151

Delta R.T. -0.00 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

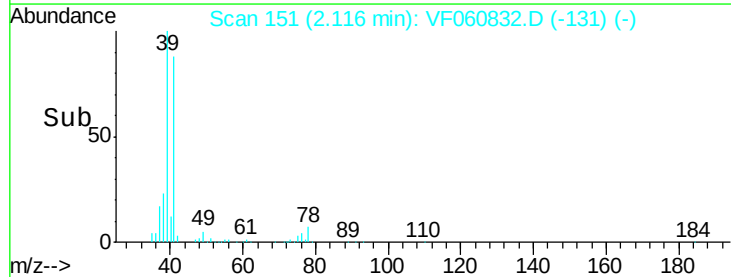
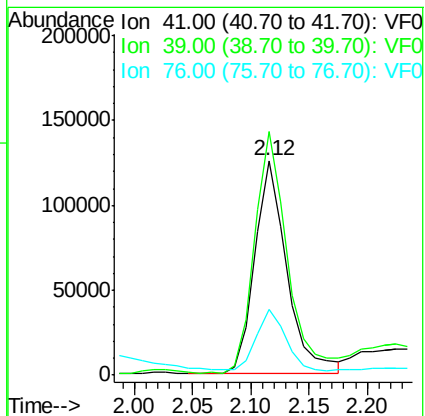
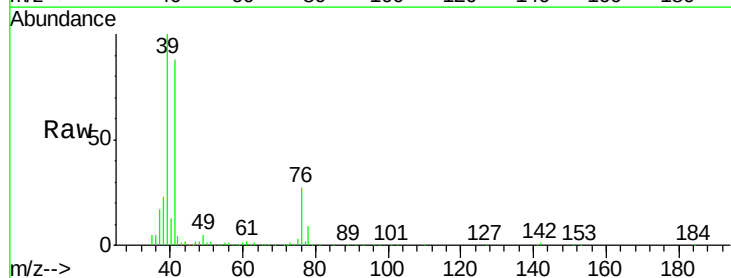
Tgt Ion: 41 Resp: 242278

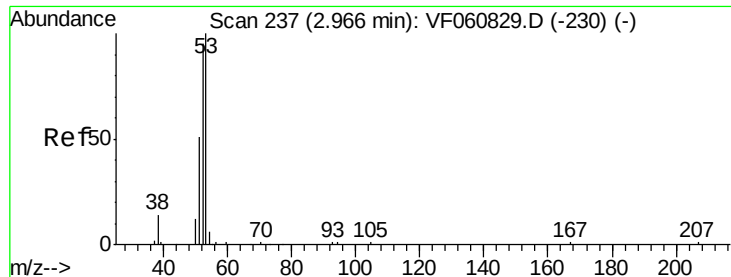
Ion Ratio Lower Upper

41 100

39 113.6 91.7 137.5

76 30.4 23.5 35.3





#15

Acrylonitrile

Concen: 704.207 ug/l

RT: 2.97 min Scan# 238

Delta R.T. 0.01 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

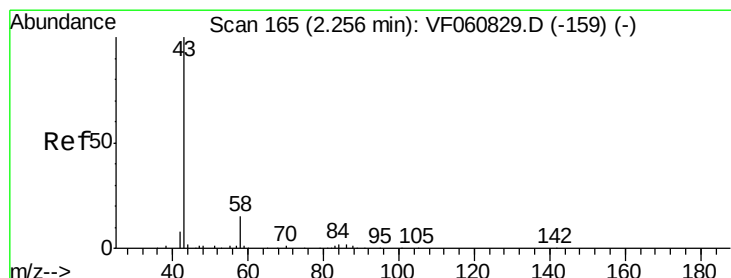
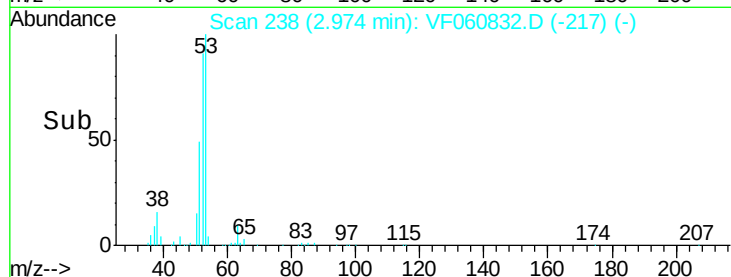
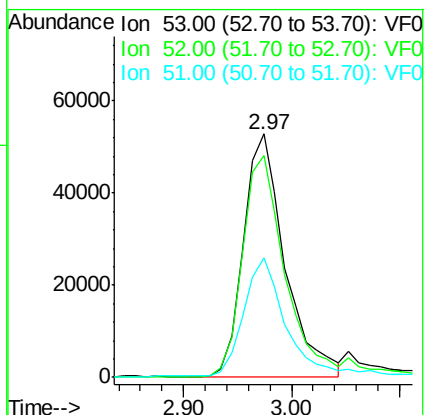
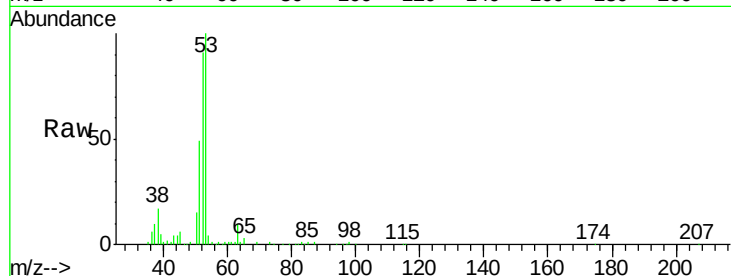
Tgt Ion: 53 Resp: 140498

Ion Ratio Lower Upper

53 100

52 91.0 76.5 114.7

51 49.1 40.7 61.1



#16

Acetone

Concen: 622.709 ug/l

RT: 2.26 min Scan# 166

Delta R.T. 0.01 min

Lab File: VF060832.D

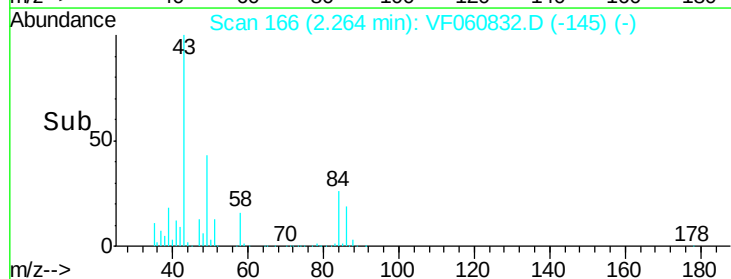
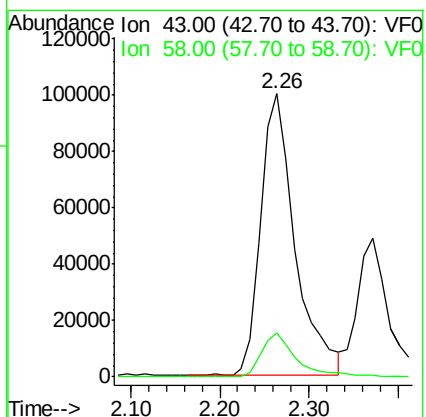
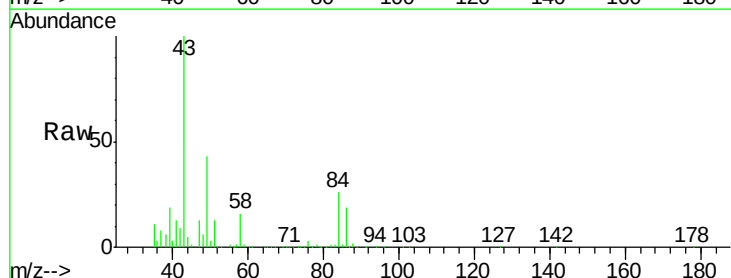
Acq: 26 Nov 2018 19:57

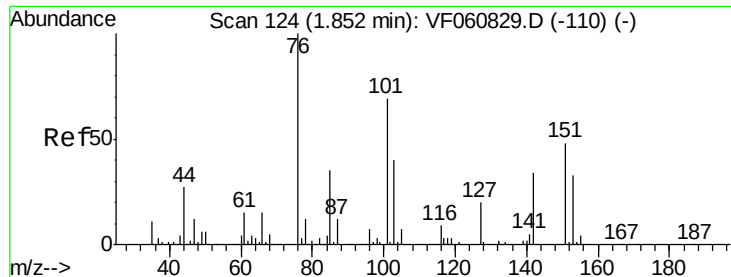
Tgt Ion: 43 Resp: 265839

Ion Ratio Lower Upper

43 100

58 15.7 11.4 17.2





#17

Carbon Disulfide

Concen: 91.202 ug/l

RT: 1.85 min Scan# 124

Delta R.T. -0.00 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

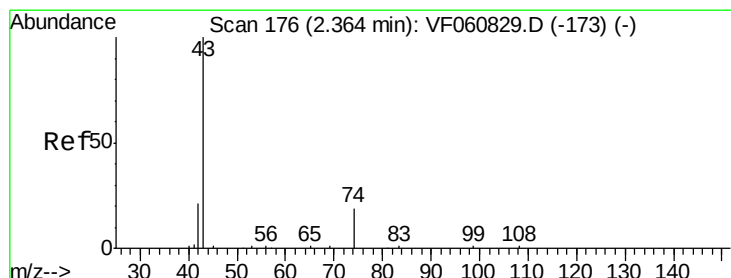
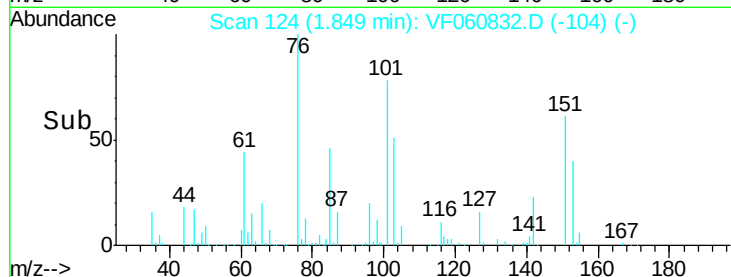
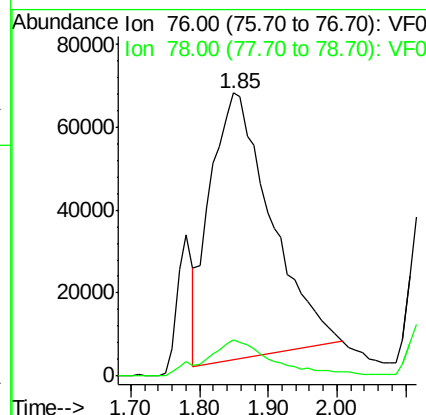
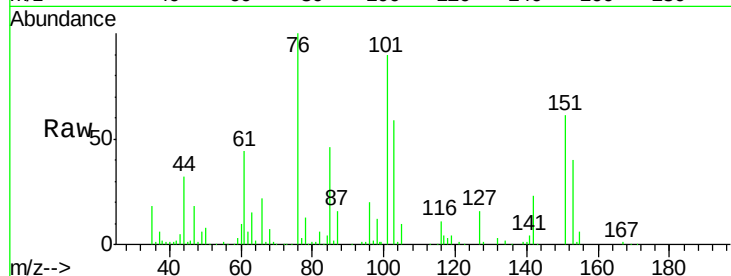
VSTDIC150

Tgt Ion: 76 Resp: 396081

Ion Ratio Lower Upper

76 100

78 13.0 10.2 15.2



#18

Methyl Acetate

Concen: 138.014 ug/l

RT: 2.37 min Scan# 177

Delta R.T. 0.01 min

Lab File: VF060832.D

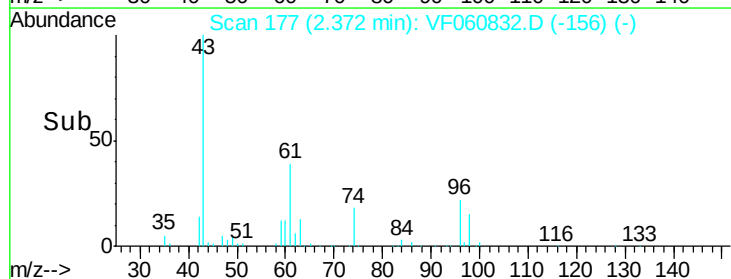
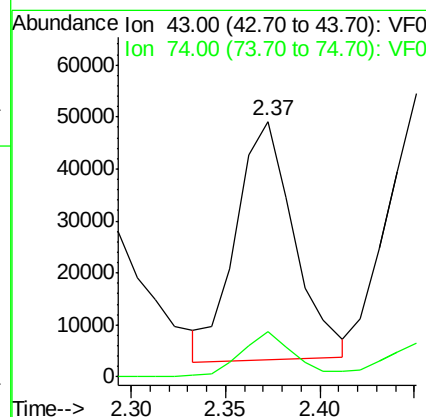
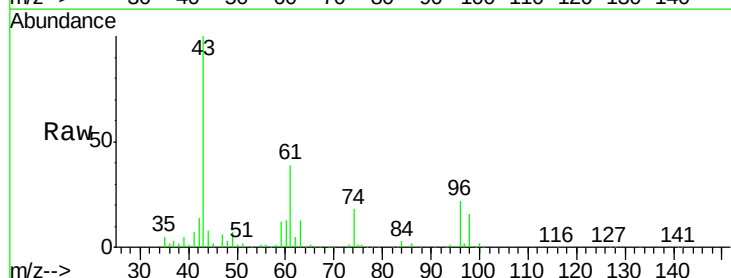
Acq: 26 Nov 2018 19:57

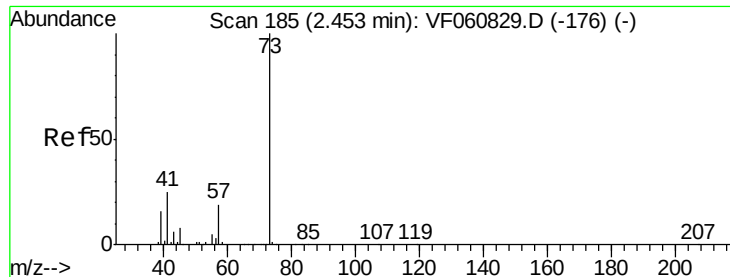
Tgt Ion: 43 Resp: 98413

Ion Ratio Lower Upper

43 100

74 17.5 13.3 19.9

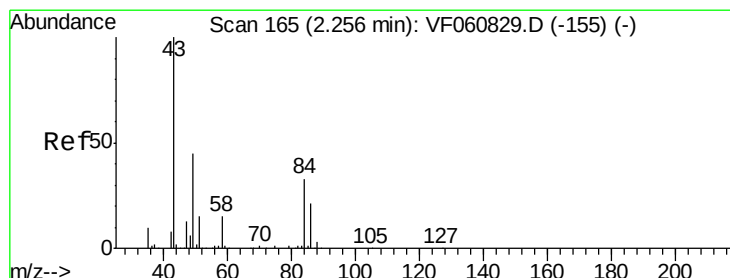
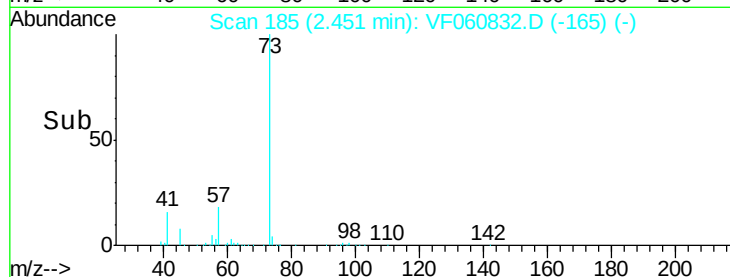
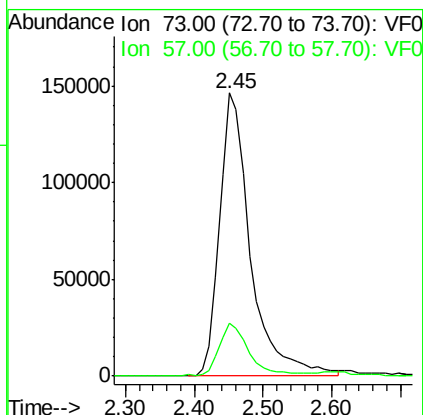
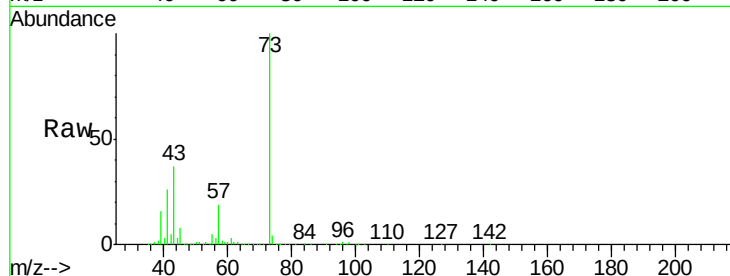




#19
Methyl tert-butyl Ether
Concen: 130.114 ug/l
RT: 2.45 min Scan# 185
Delta R.T. -0.00 min
Lab File: VF060832.D
Acq: 26 Nov 2018 19:57

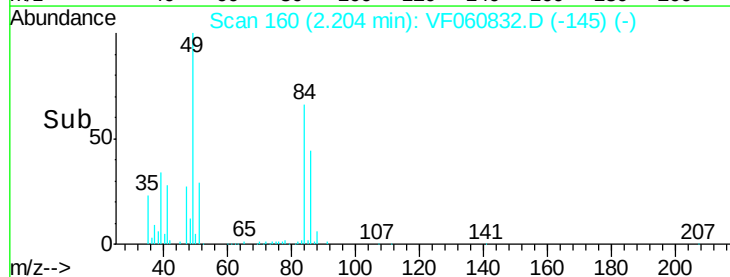
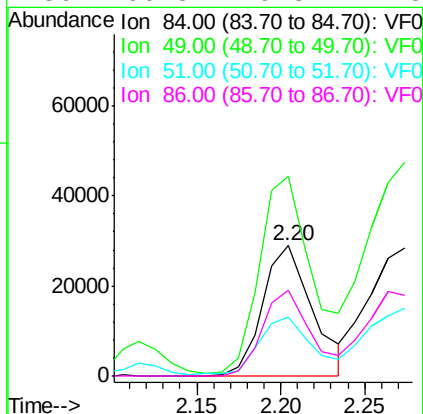
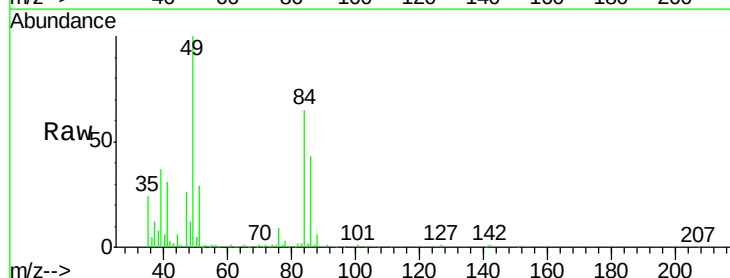
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

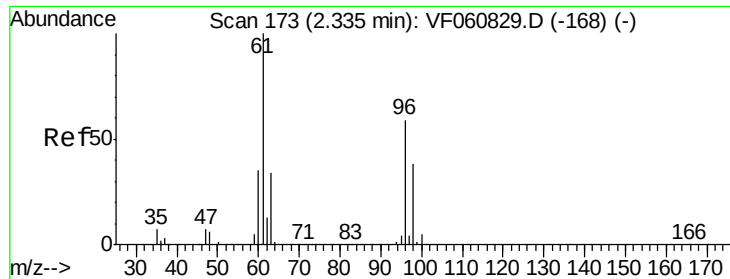
Tgt Ion: 73 Resp: 454225
Ion Ratio Lower Upper
73 100
57 18.5 15.3 22.9



#20
Methylene Chloride
Concen: 36.114 ug/l
RT: 2.20 min Scan# 160
Delta R.T. -0.05 min
Lab File: VF060832.D
Acq: 26 Nov 2018 19:57

Tgt Ion: 84 Resp: 59360
Ion Ratio Lower Upper
84 100
49 152.9 111.3 166.9
51 44.8 38.0 57.0
86 66.3 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 101.848 ug/l

RT: 2.33 min Scan# 173

Delta R.T. -0.00 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

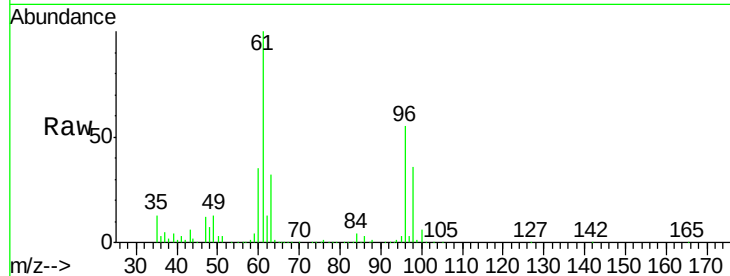
Tgt Ion: 96 Resp: 153477

Ion Ratio Lower Upper

96 100

61 182.8 134.5 201.7

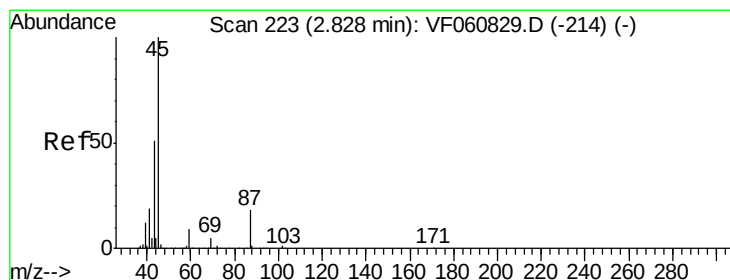
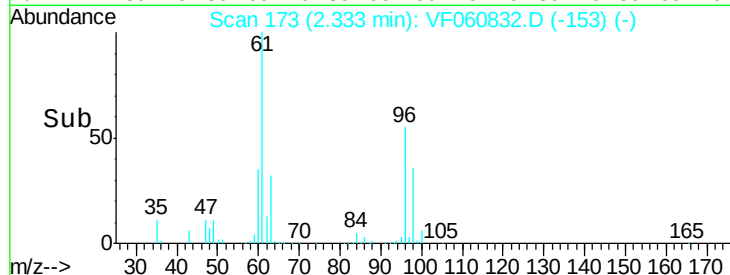
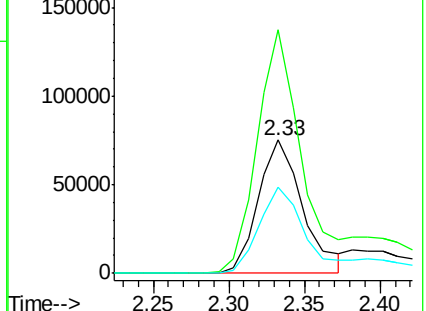
98 65.0 51.6 77.4



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 141.375 ug/l

RT: 2.83 min Scan# 223

Delta R.T. -0.00 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Tgt Ion: 45 Resp: 704288

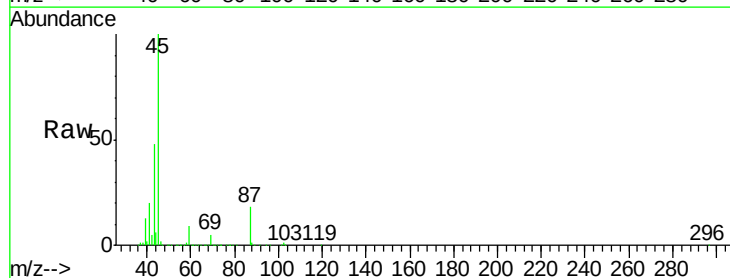
Ion Ratio Lower Upper

45 100

43 48.2 41.0 61.6

87 18.1 14.6 22.0

59 9.1 7.5 11.3

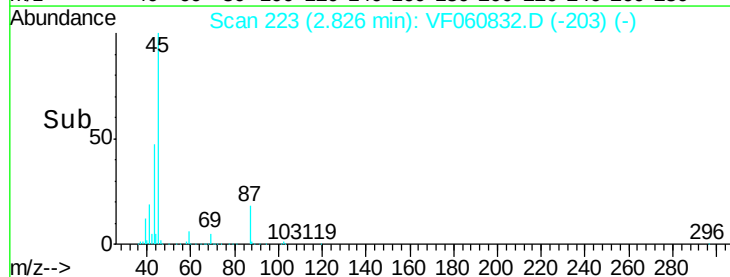
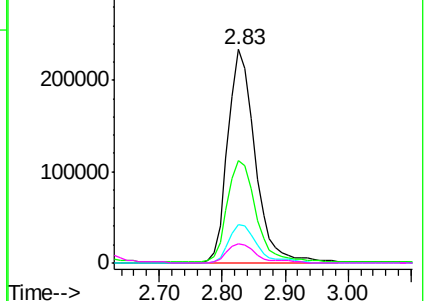


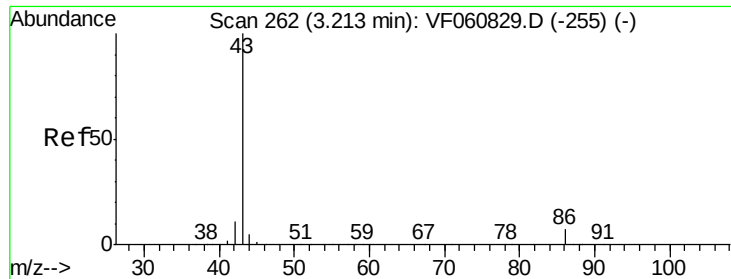
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 717.695 ug/l

RT: 3.22 min Scan# 263

Delta R.T. 0.01 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

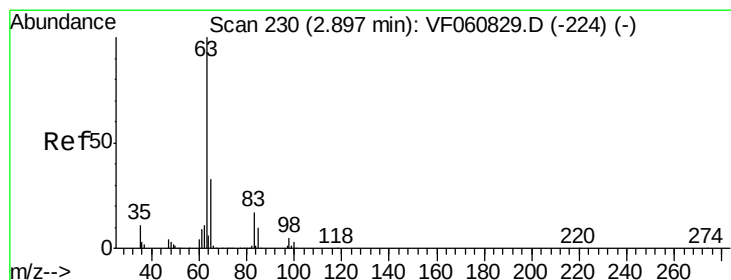
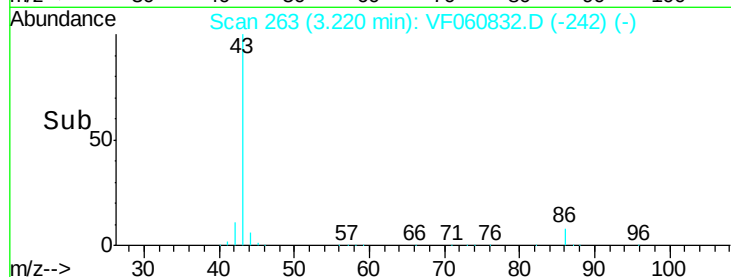
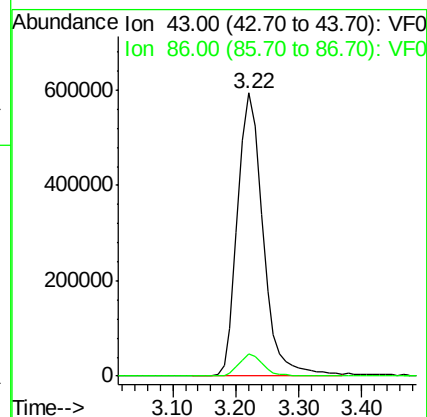
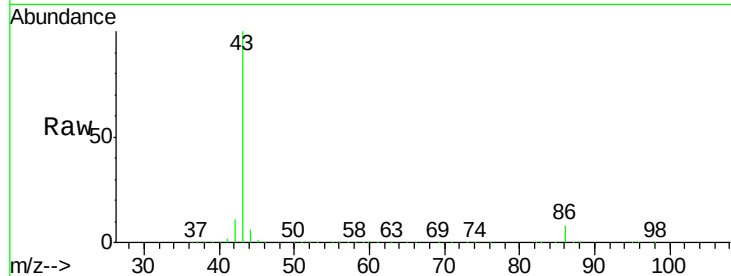
VSTDIC150

Tgt Ion: 43 Resp: 1664222

Ion Ratio Lower Upper

43 100

86 7.7 5.4 8.0



#24

1,1-Dichloroethane

Concen: 138.038 ug/l

RT: 2.90 min Scan# 231

Delta R.T. 0.01 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

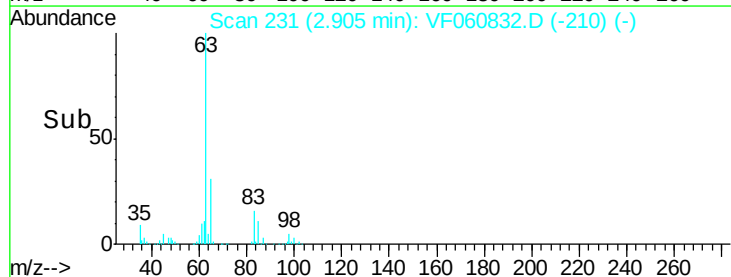
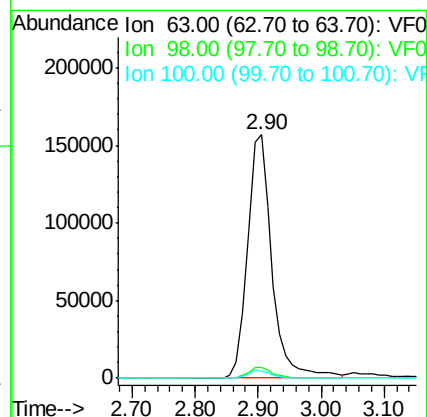
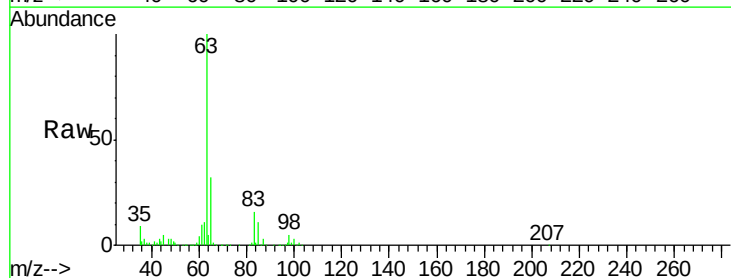
Tgt Ion: 63 Resp: 420406

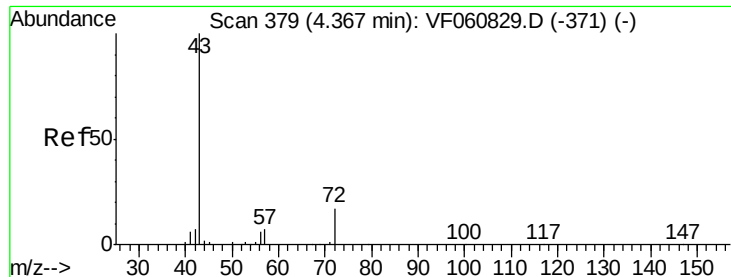
Ion Ratio Lower Upper

63 100

98 4.6 2.7 8.1

100 3.0 1.5 4.5





#25

2-Butanone

Concen: 665.430 ug/l

RT: 4.37 min Scan# 380

Delta R.T. 0.01 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

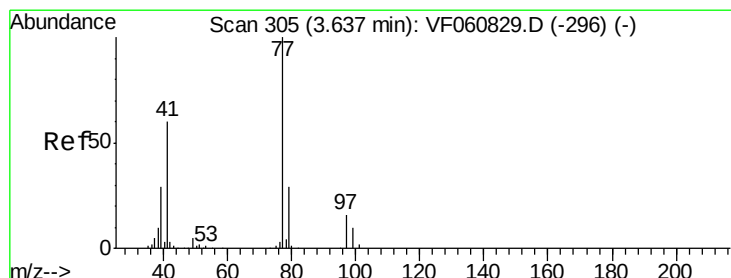
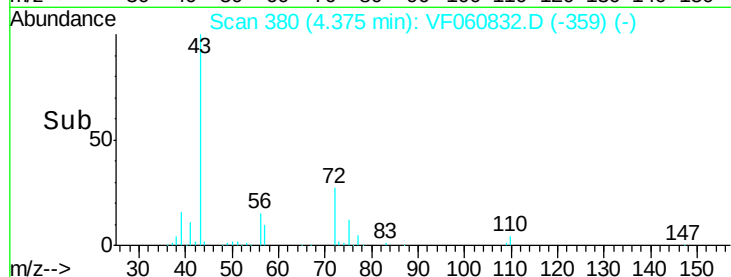
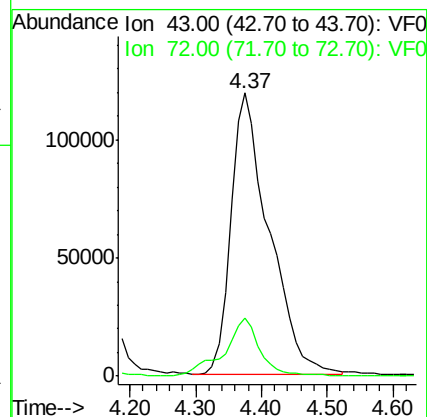
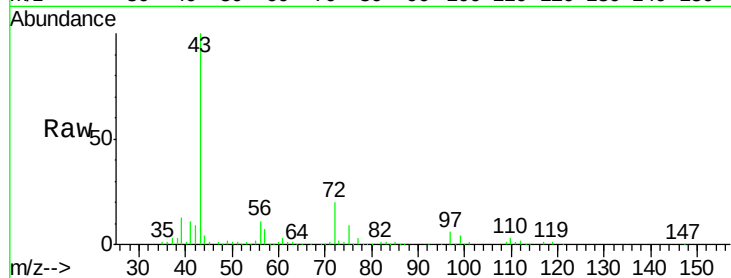
VSTDIC150

Tgt Ion: 43 Resp: 479181

Ion Ratio Lower Upper

43 100

72 20.4 15.4 23.2



#26

2,2-Dichloropropane

Concen: 103.853 ug/l

RT: 3.63 min Scan# 305

Delta R.T. -0.00 min

Lab File: VF060832.D

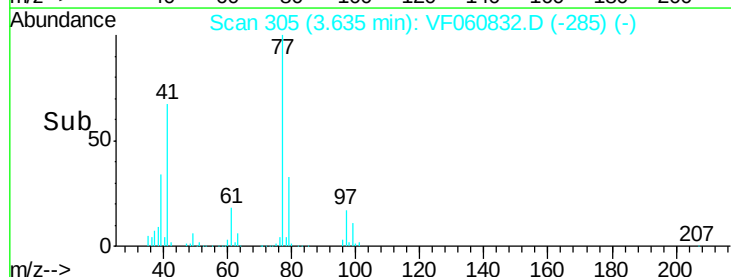
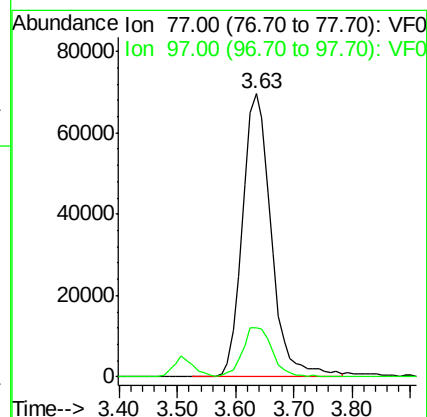
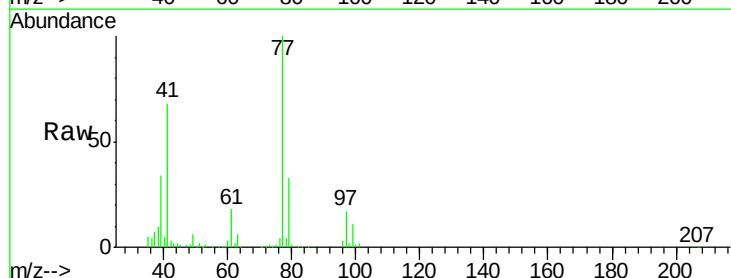
Acq: 26 Nov 2018 19:57

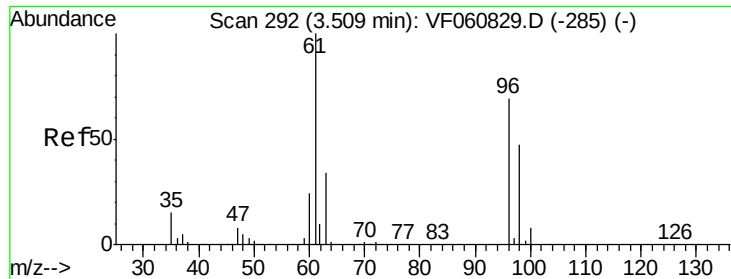
Tgt Ion: 77 Resp: 240574

Ion Ratio Lower Upper

77 100

97 17.2 8.6 25.8



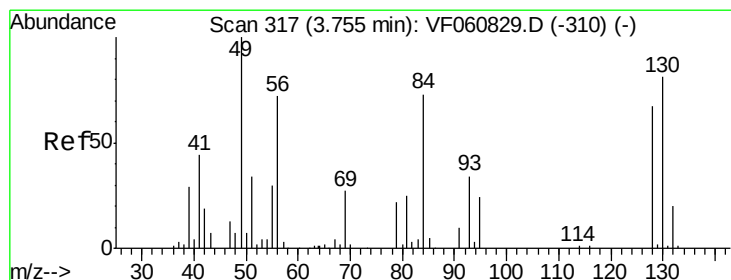
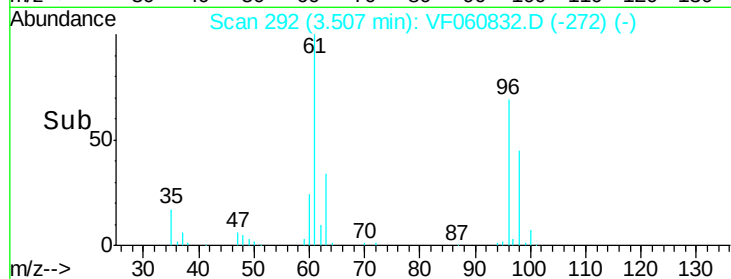
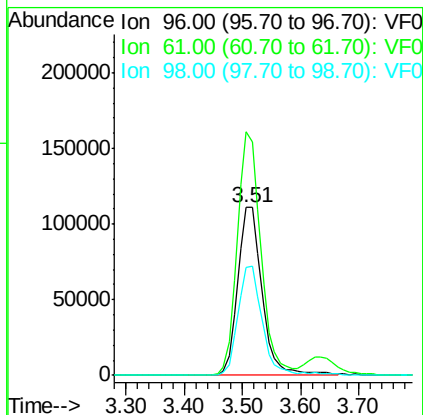
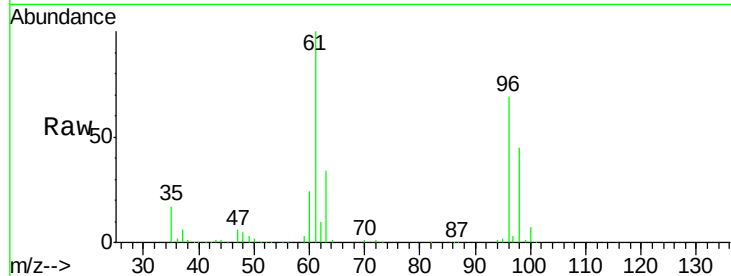


#27

cis-1,2-Dichloroethene
Concen: 127.418 ug/l
RT: 3.51 min Scan# 292
Delta R.T. -0.00 min
Lab File: VF060832.D
Acq: 26 Nov 2018 19:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

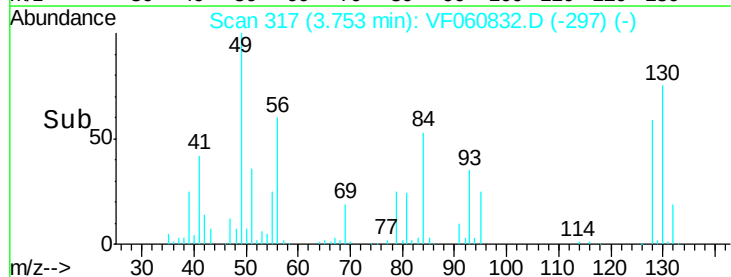
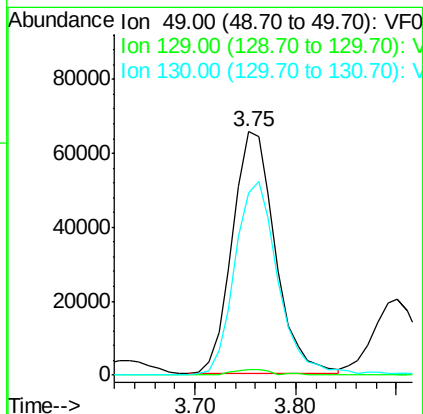
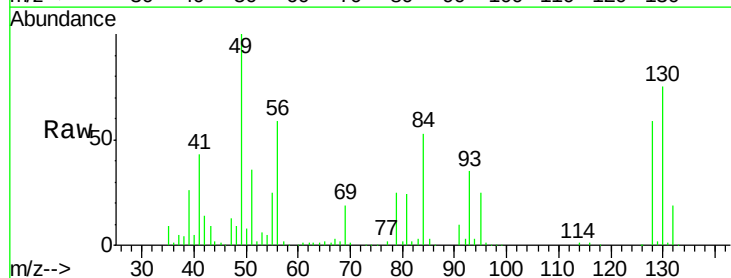
Tgt Ion: 96 Resp: 326240
Ion Ratio Lower Upper
96 100
61 145.0 0.0 290.6
98 64.7 0.0 137.8

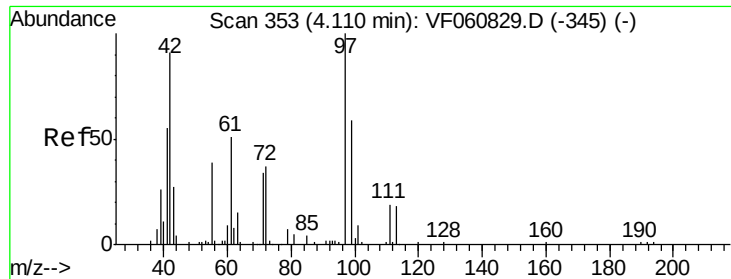


#28

Bromochloromethane
Concen: 126.230 ug/l
RT: 3.75 min Scan# 317
Delta R.T. -0.00 min
Lab File: VF060832.D
Acq: 26 Nov 2018 19:57

Tgt Ion: 49 Resp: 194044
Ion Ratio Lower Upper
49 100
129 2.2 0.0 4.4
130 74.7 64.2 96.4





#29

Tetrahydrofuran

Concen: 645.448 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.00 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

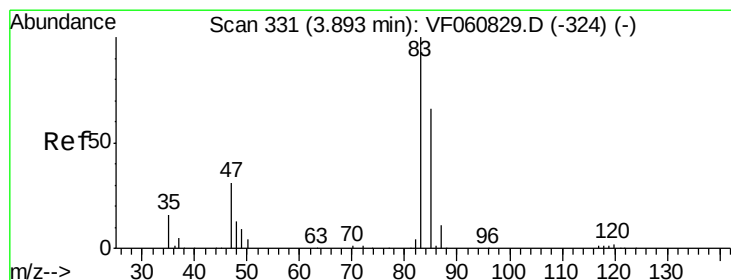
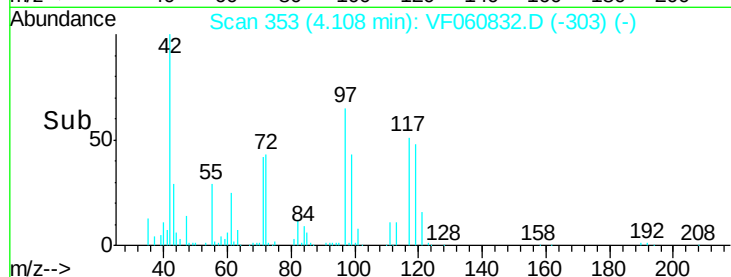
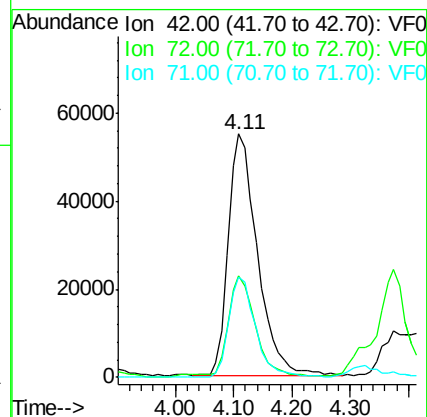
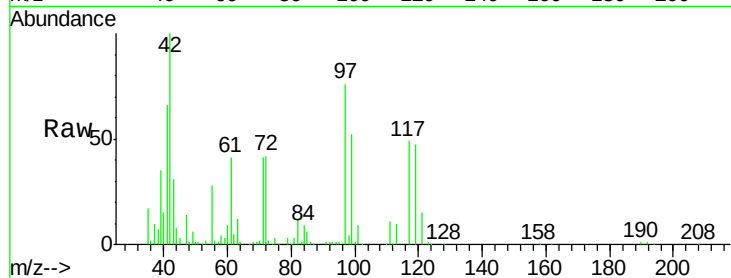
Tgt Ion: 42 Resp: 192047

Ion Ratio Lower Upper

42 100

72 39.9 31.9 47.9

71 38.4 28.7 43.1



#30

Chloroform

Concen: 126.161 ug/l

RT: 3.90 min Scan# 332

Delta R.T. 0.01 min

Lab File: VF060832.D

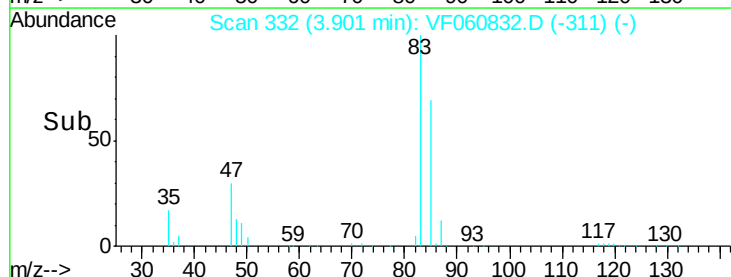
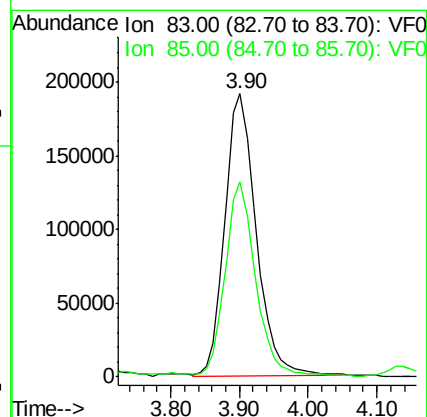
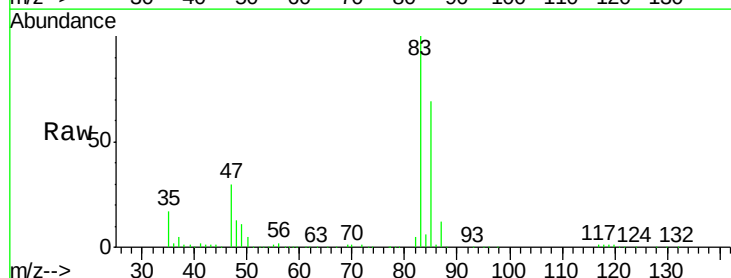
Acq: 26 Nov 2018 19:57

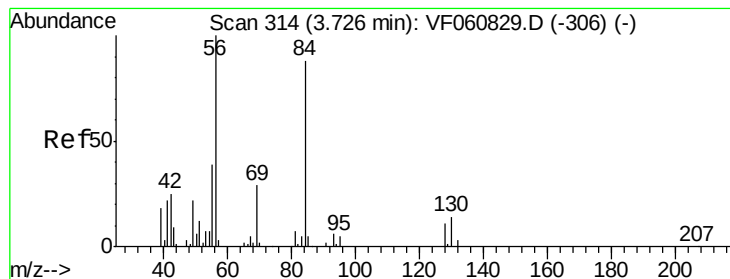
Tgt Ion: 83 Resp: 601158

Ion Ratio Lower Upper

83 100

85 69.0 53.4 80.2





#31

Cyclohexane

Concen: 64.577 ug/l

RT: 3.72 min Scan# 314

Delta R.T. -0.00 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

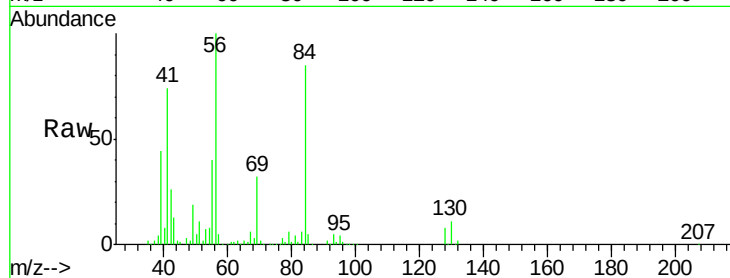
Tgt Ion: 56 Resp: 230457

Ion Ratio Lower Upper

56 100

69 32.0 23.0 34.4

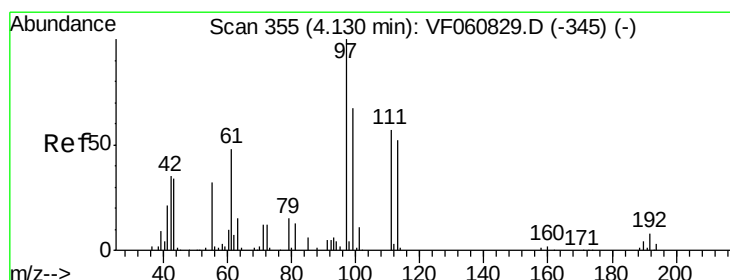
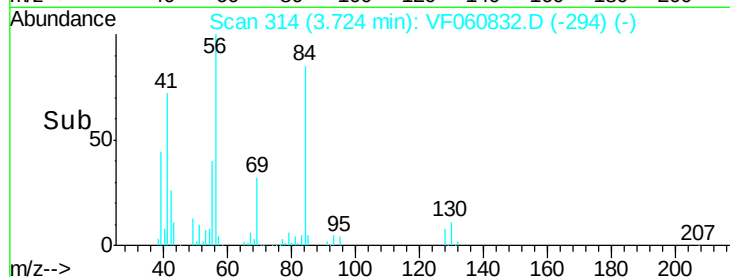
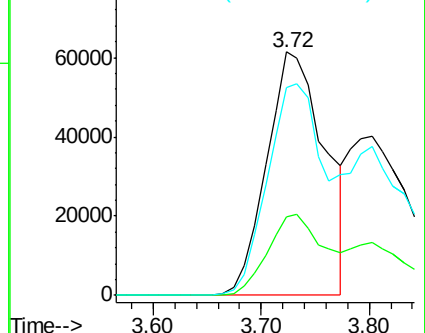
84 85.3 70.4 105.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 93.403 ug/l

RT: 4.14 min Scan# 356

Delta R.T. 0.01 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

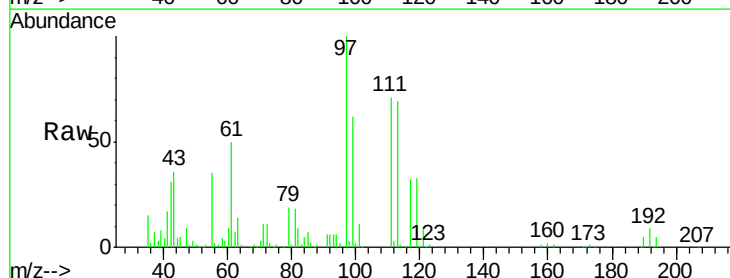
Tgt Ion: 97 Resp: 349385

Ion Ratio Lower Upper

97 100

99 62.4 53.5 80.3

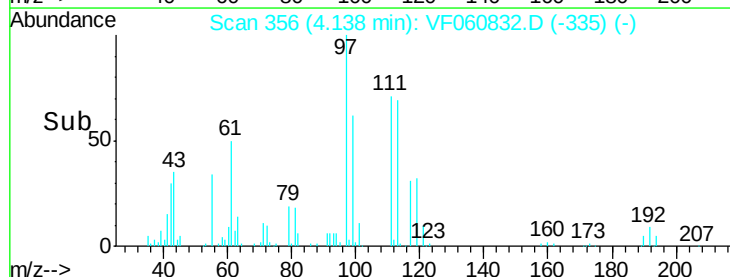
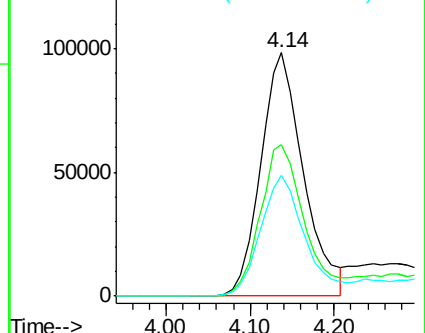
61 49.7 38.6 58.0

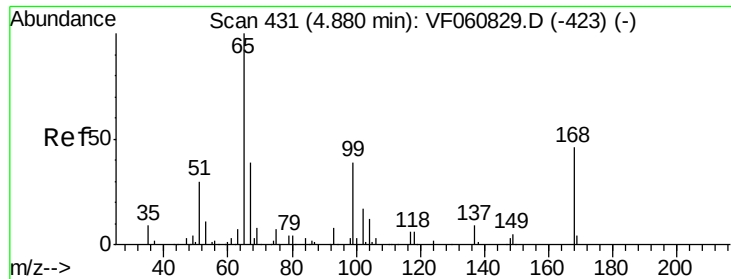


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 159.558 ug/l

RT: 4.89 min Scan# 432

Delta R.T. 0.01 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

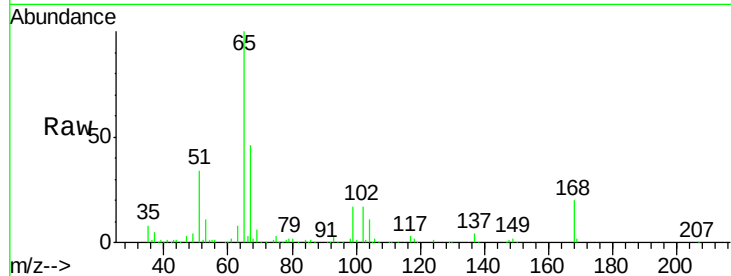
VSTDIC150

Tgt Ion: 65 Resp: 337550

Ion Ratio Lower Upper

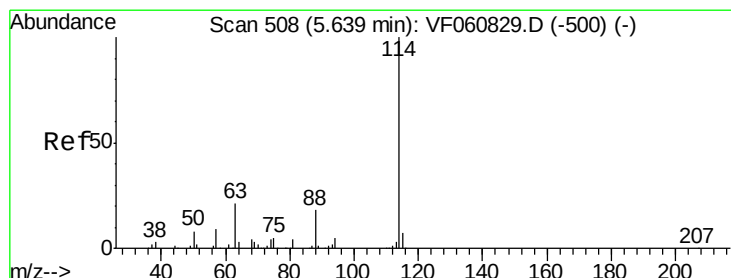
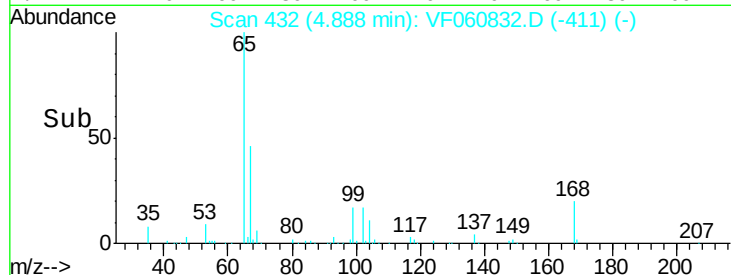
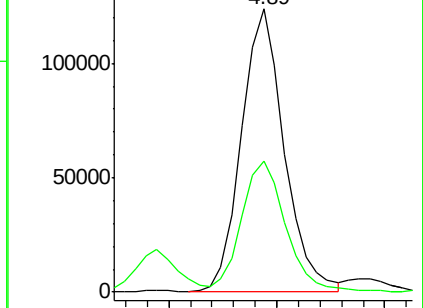
65 100

67 46.4 0.0 96.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 508

Delta R.T. -0.00 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

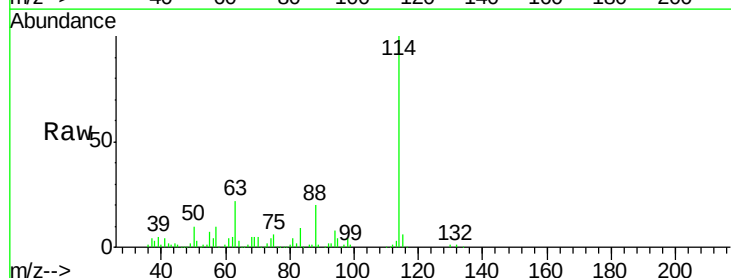
Tgt Ion: 114 Resp: 331413

Ion Ratio Lower Upper

114 100

63 22.3 0.0 41.6

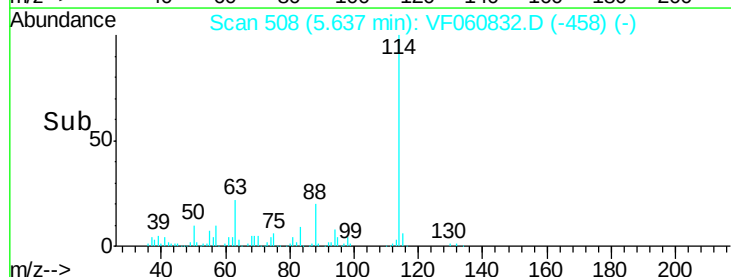
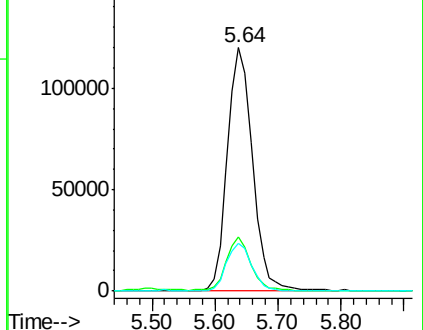
88 19.8 0.0 36.6

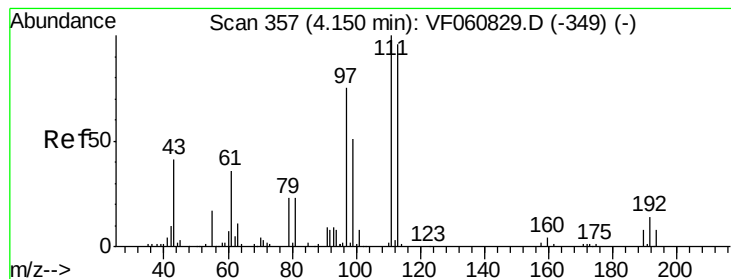


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 131.830 ug/l

RT: 4.16 min Scan# 358

Delta R.T. 0.01 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

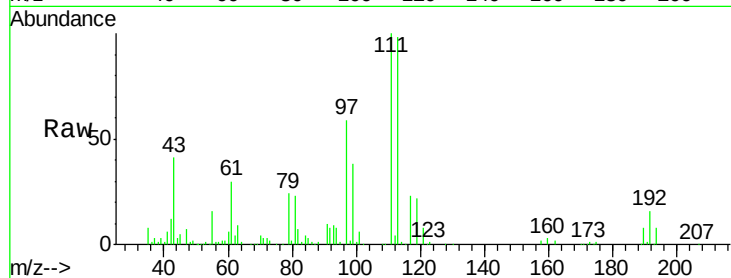
Tgt Ion:113 Resp: 337635

Ion Ratio Lower Upper

113 100

111 102.2 83.0 124.6

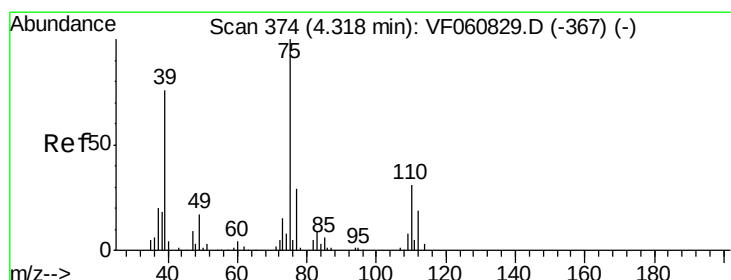
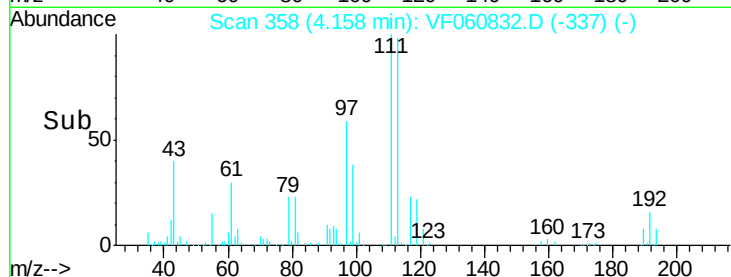
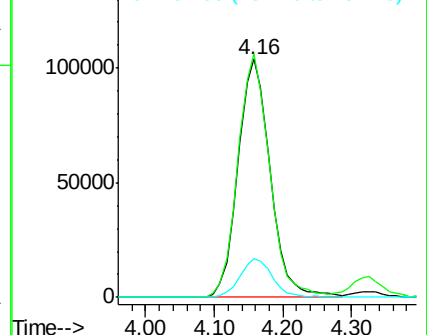
192 17.0 12.3 18.5



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 118.386 ug/l

RT: 4.33 min Scan# 375

Delta R.T. 0.01 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

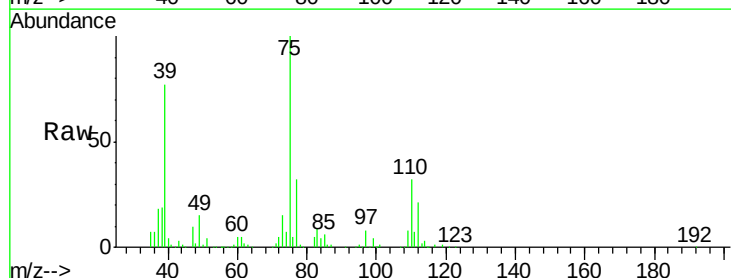
Tgt Ion: 75 Resp: 452715

Ion Ratio Lower Upper

75 100

110 32.4 15.6 46.8

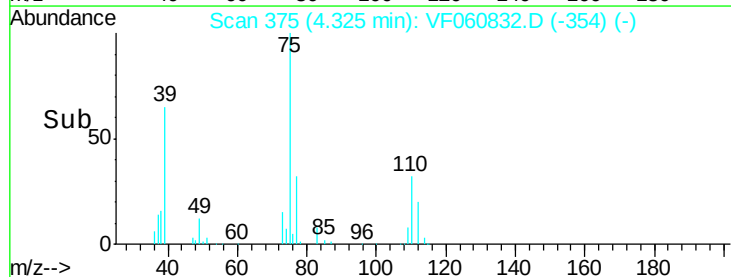
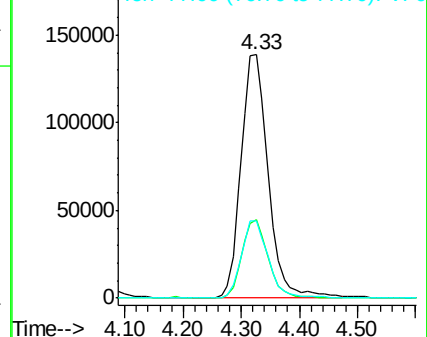
77 31.8 23.4 35.0

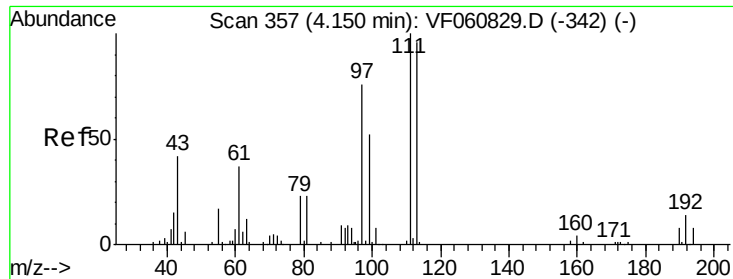


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 124.221 ug/l

RT: 4.15 min Scan# 357

Delta R.T. -0.00 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

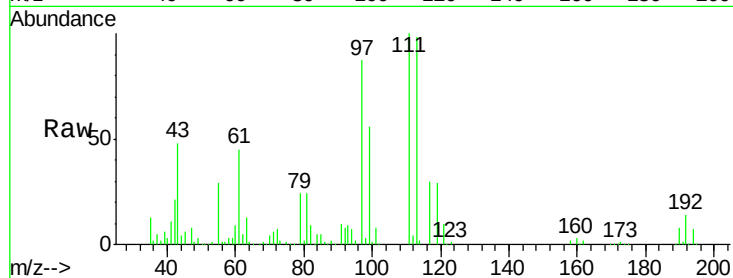
Tgt Ion: 43 Resp: 179252

Ion Ratio Lower Upper

43 100

61 94.3 68.6 103.0

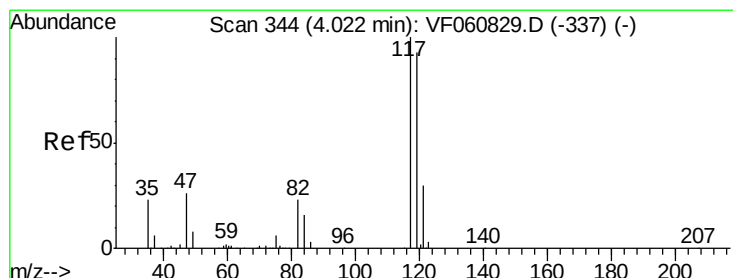
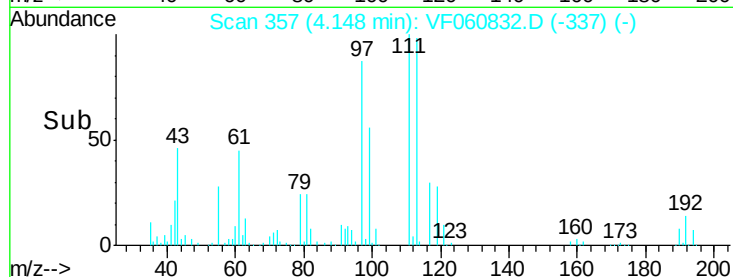
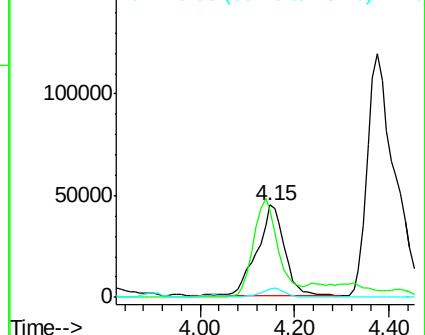
70 8.4 9.0 13.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 98.297 ug/l

RT: 4.03 min Scan# 345

Delta R.T. 0.01 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

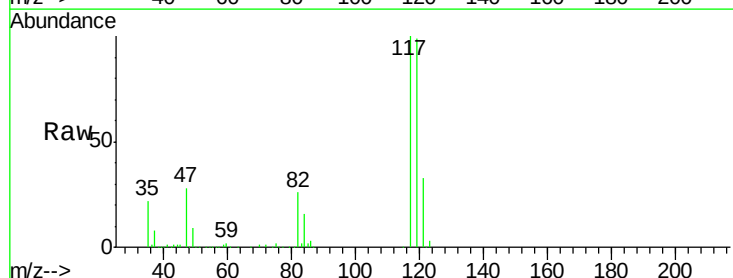
Tgt Ion: 117 Resp: 365584

Ion Ratio Lower Upper

117 100

119 98.8 74.4 111.6

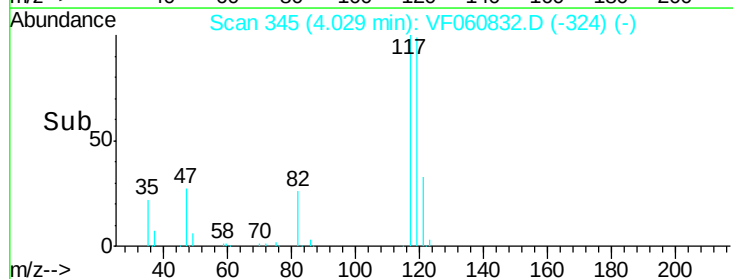
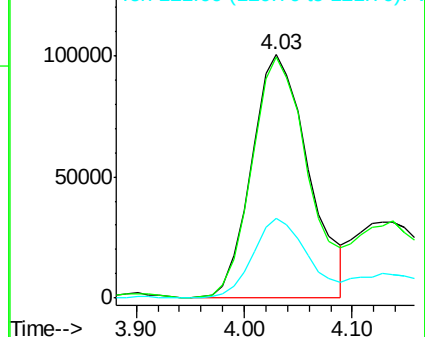
121 32.6 23.5 35.3

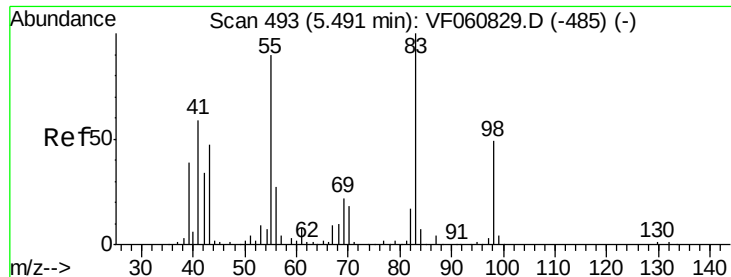


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

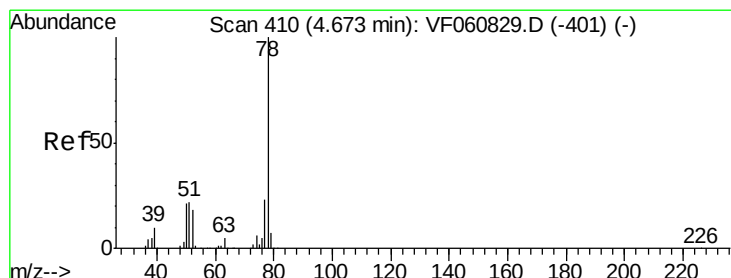
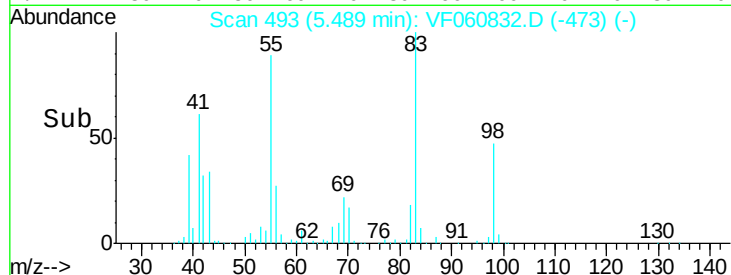
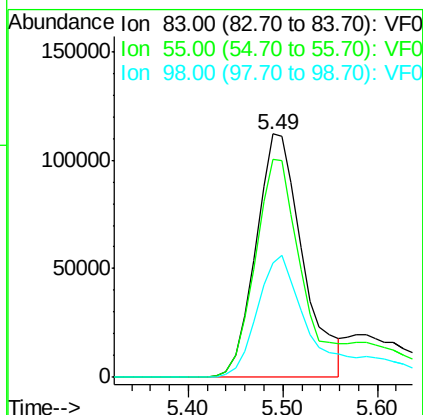
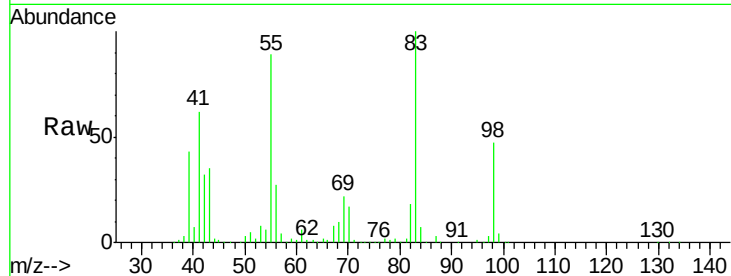




#39
Methylcyclohexane
Concen: 88.570 ug/l
RT: 5.49 min Scan# 493
Delta R.T. -0.00 min
Lab File: VF060832.D
Acq: 26 Nov 2018 19:57

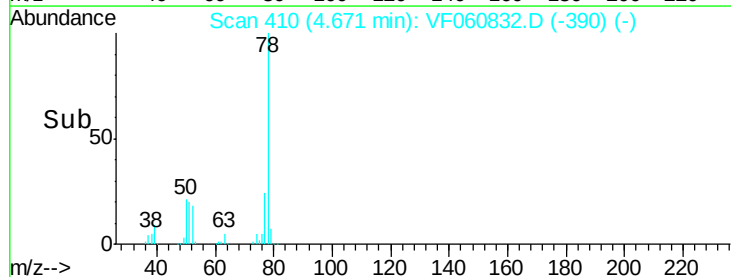
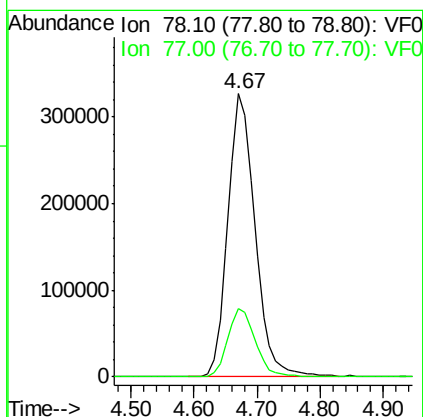
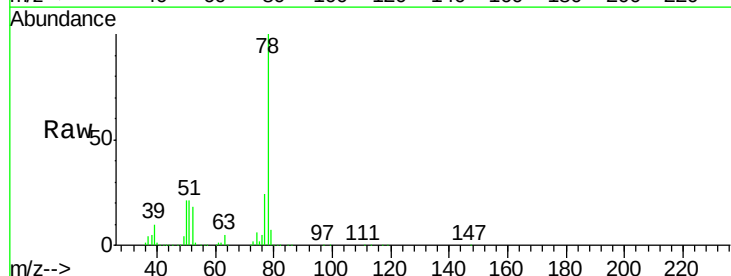
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

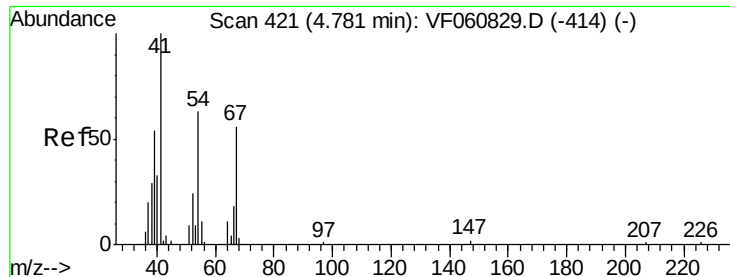
Tgt Ion: 83 Resp: 386101
Ion Ratio Lower Upper
83 100
55 89.4 72.1 108.1
98 46.9 39.1 58.7



#40
Benzene
Concen: 114.831 ug/l
RT: 4.67 min Scan# 410
Delta R.T. -0.00 min
Lab File: VF060832.D
Acq: 26 Nov 2018 19:57

Tgt Ion: 78 Resp: 976364
Ion Ratio Lower Upper
78 100
77 24.1 18.7 28.1

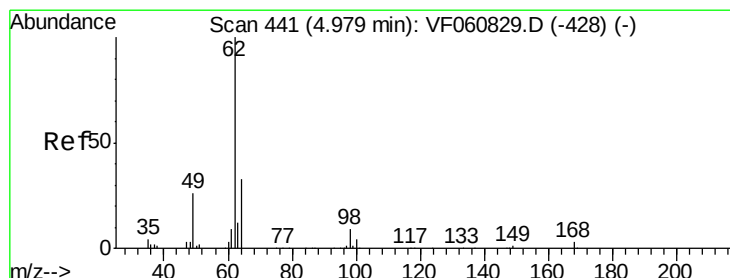
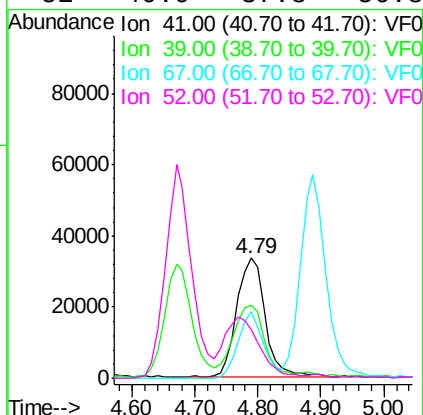
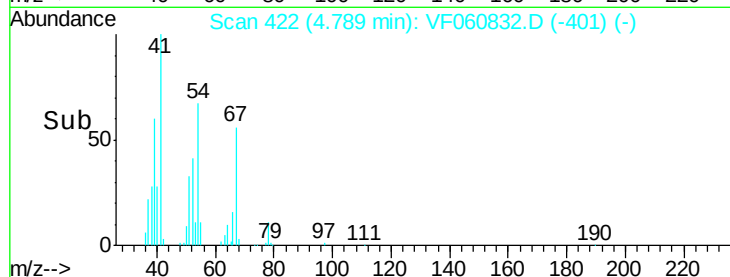
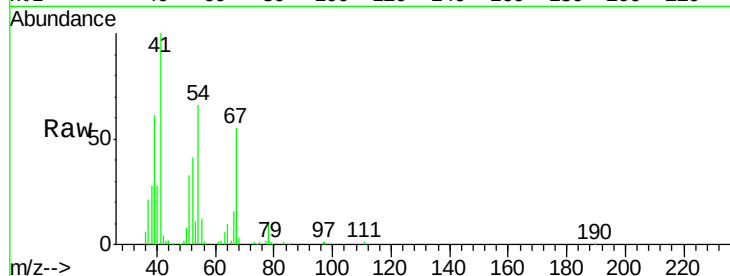




#41
Methacrylonitrile
Concen: 121.259 ug/l
RT: 4.79 min Scan# 422
Delta R.T. 0.01 min
Lab File: VF060832.D
Acq: 26 Nov 2018 19:57

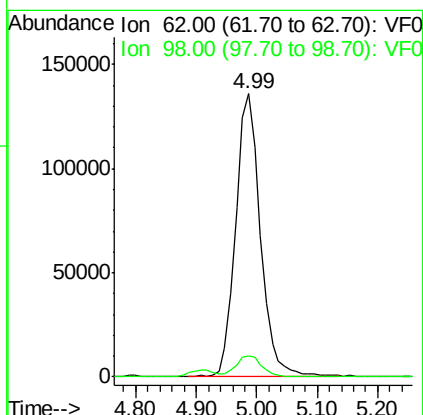
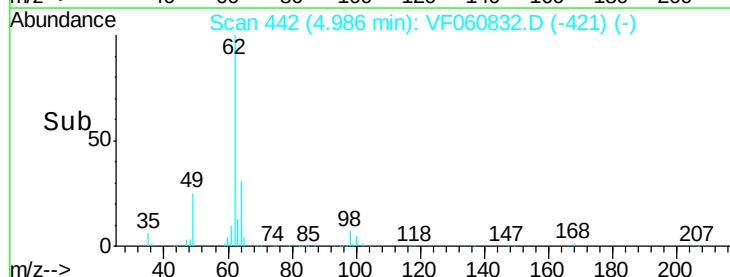
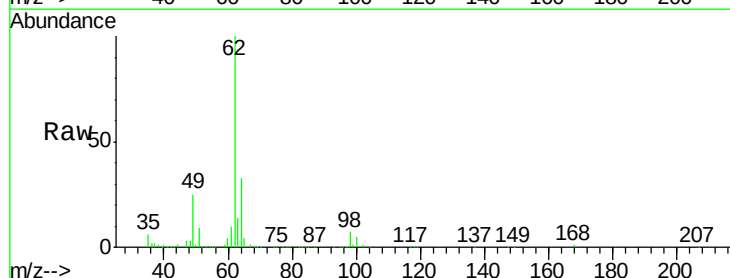
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

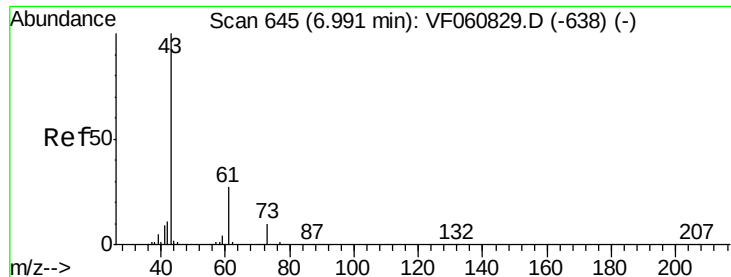
Tgt Ion:	41	Resp:	104780
Ion	Ratio	Lower	Upper
41	100		
39	61.1	53.0	79.6
67	55.2	43.8	65.6
52	40.9	37.8	56.8



#42
1,2-Dichloroethane
Concen: 129.520 ug/l
RT: 4.99 min Scan# 442
Delta R.T. 0.01 min
Lab File: VF060832.D
Acq: 26 Nov 2018 19:57

Tgt Ion:	62	Resp:	388334
Ion	Ratio	Lower	Upper
62	100		
98	7.3	0.0	17.2





#43

Isopropyl Acetate

Concen: 135.839 ug/l

RT: 6.99 min Scan# 645

Delta R.T. -0.00 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

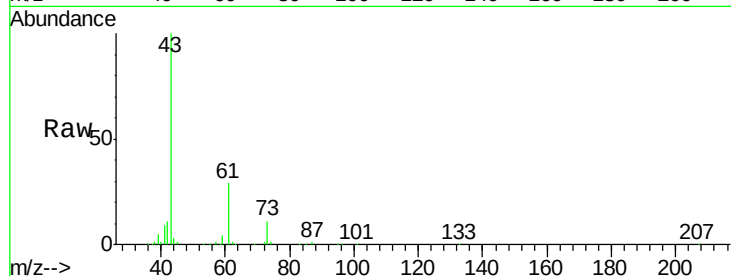
Tgt Ion: 43 Resp: 261513

Ion Ratio Lower Upper

43 100

61 28.7 21.4 32.0

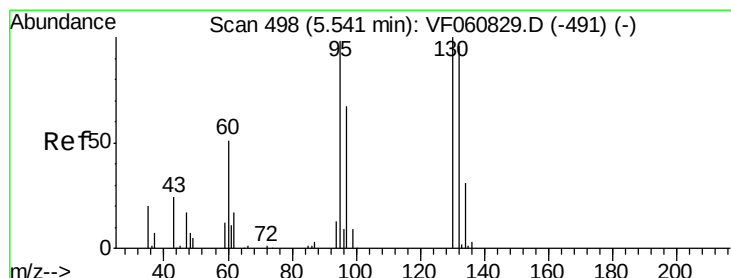
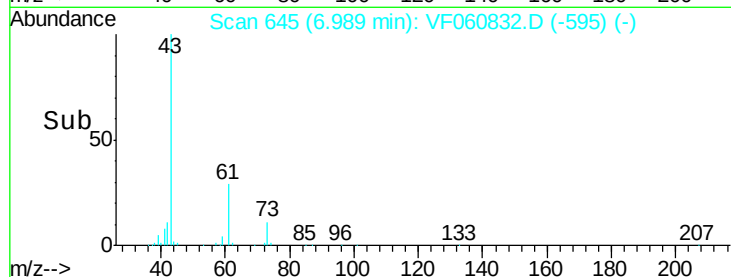
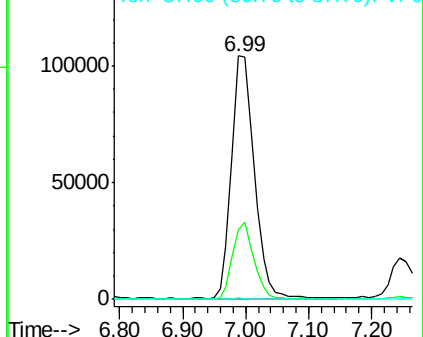
87 0.5 0.2 0.4#



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: 111.591 ug/l

RT: 5.54 min Scan# 498

Delta R.T. -0.00 min

Lab File: VF060832.D

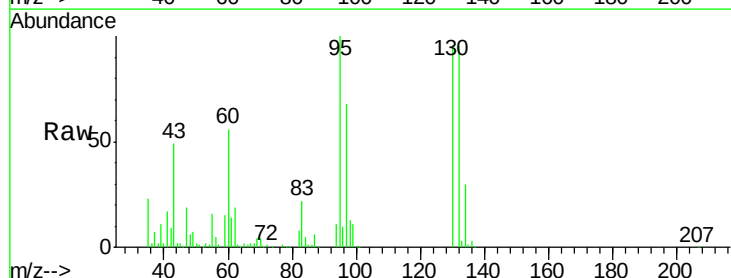
Acq: 26 Nov 2018 19:57

Tgt Ion:130 Resp: 302943

Ion Ratio Lower Upper

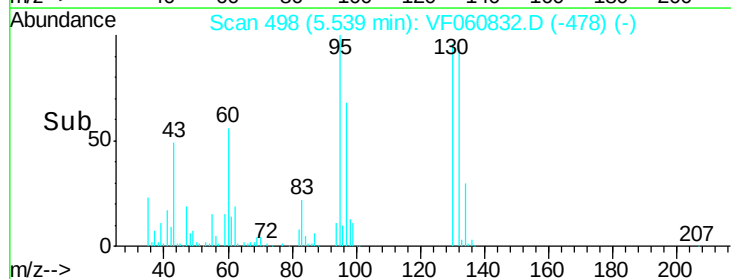
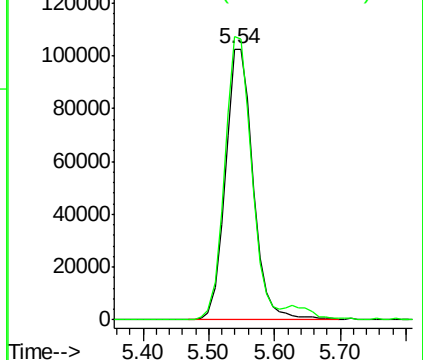
130 100

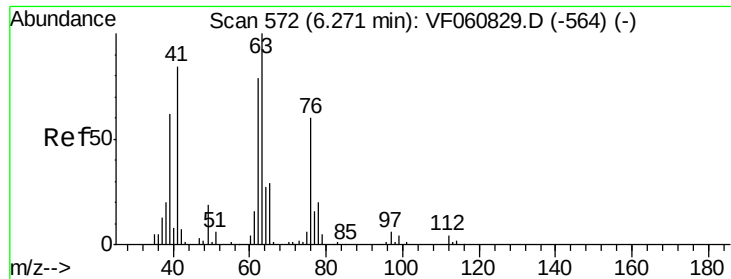
95 104.4 0.0 195.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 123.055 ug/l

RT: 6.27 min Scan# 572

Delta R.T. -0.00 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

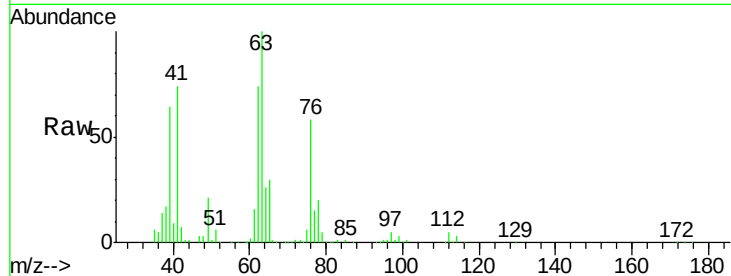
VSTDIC150

Tgt Ion: 63 Resp: 277133

Ion Ratio Lower Upper

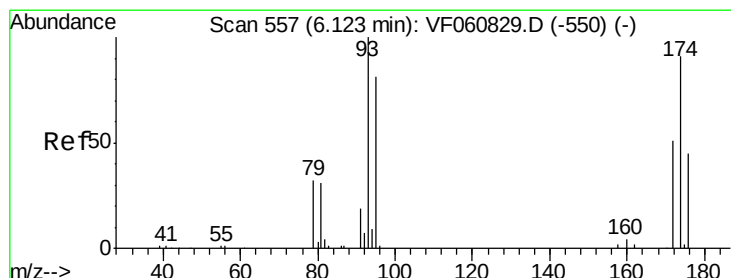
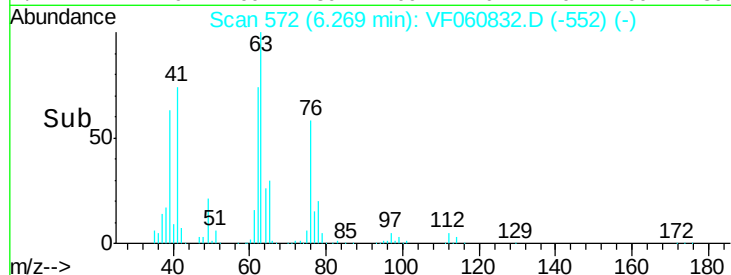
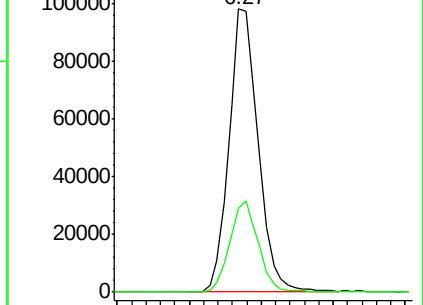
63 100

65 29.6 23.2 34.8



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 131.416 ug/l

RT: 6.13 min Scan# 558

Delta R.T. 0.01 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

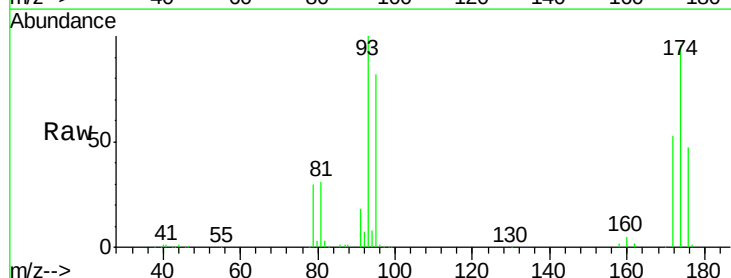
Tgt Ion: 93 Resp: 193940

Ion Ratio Lower Upper

93 100

95 82.1 64.7 97.1

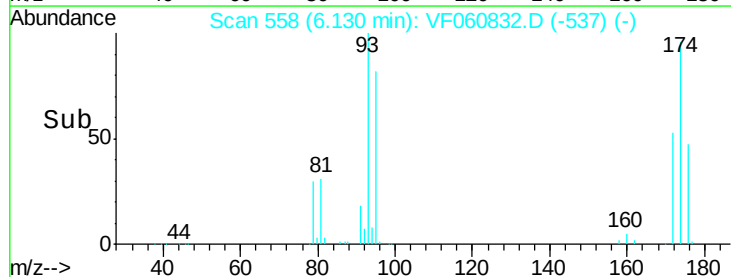
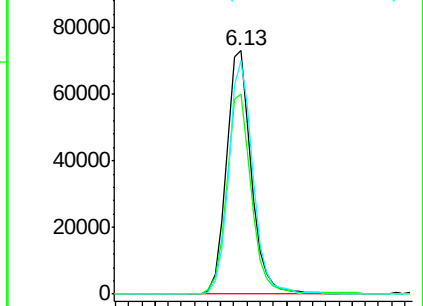
174 95.8 73.0 109.6

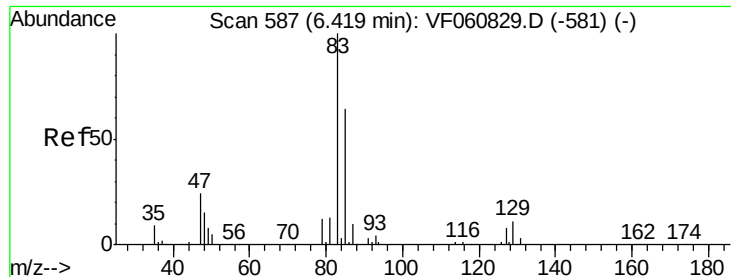


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 130.408 ug/l

RT: 6.43 min Scan# 588

Delta R.T. 0.01 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

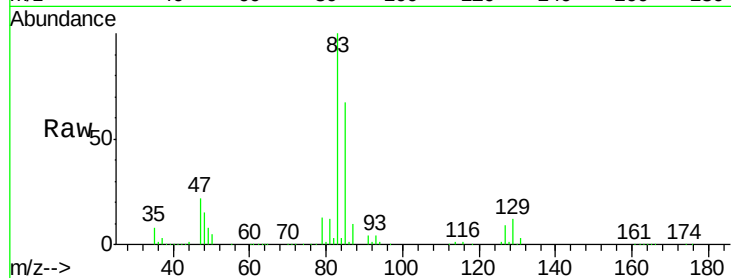
Tgt Ion: 83 Resp: 490653

Ion Ratio Lower Upper

83 100

85 67.0 51.1 76.7

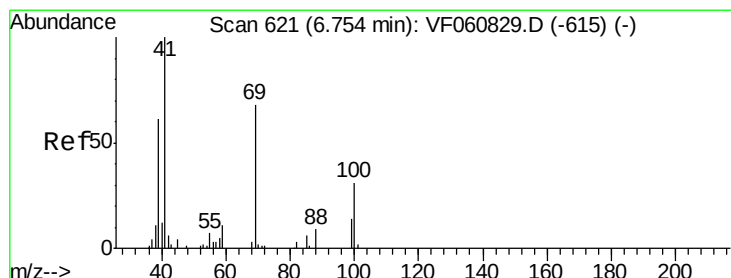
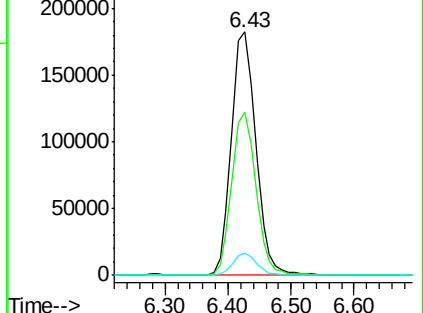
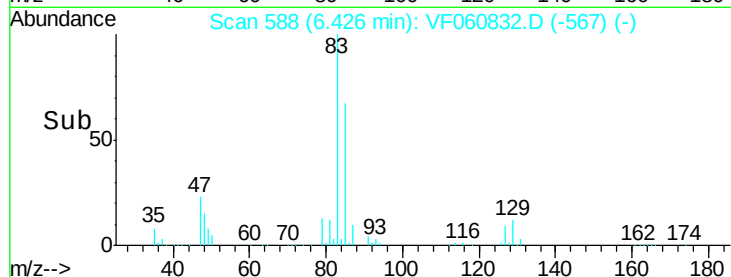
127 9.2 6.8 10.2



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: 138.820 ug/l

RT: 6.75 min Scan# 621

Delta R.T. -0.00 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

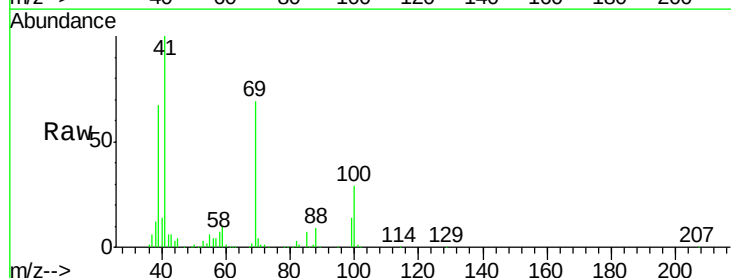
Tgt Ion: 41 Resp: 178809

Ion Ratio Lower Upper

41 100

69 69.2 53.9 80.9

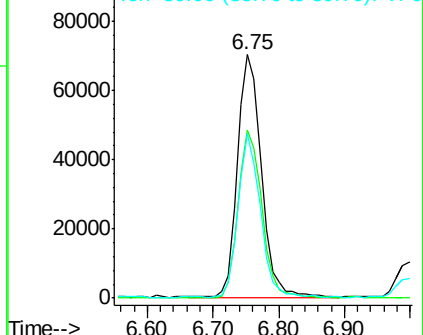
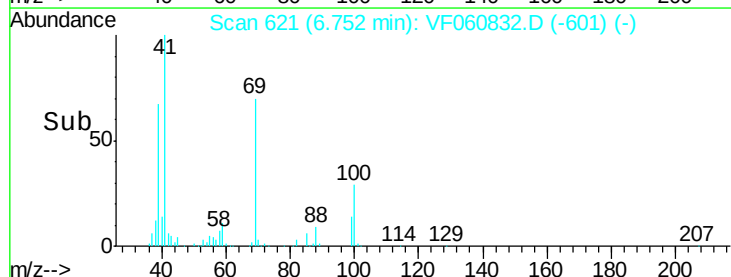
39 67.5 49.0 73.6

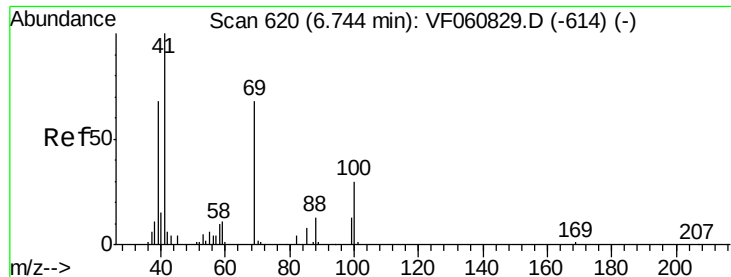


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 2200.389 ug/l

RT: 6.74 min Scan# 620

Delta R.T. -0.00 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

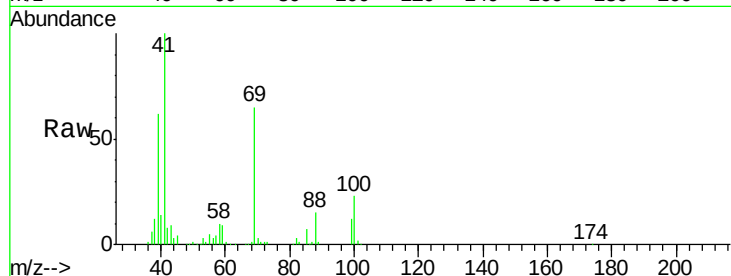
Tgt Ion: 88 Resp: 25865

Ion Ratio Lower Upper

88 100

43 60.3 42.0 63.0

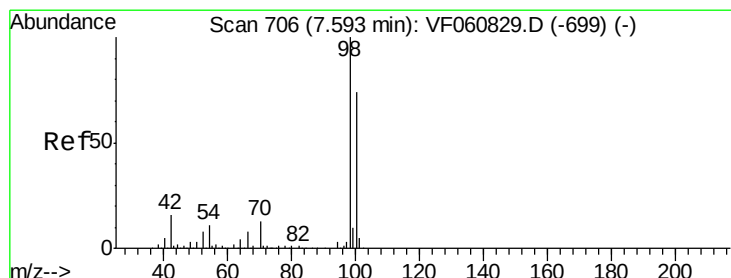
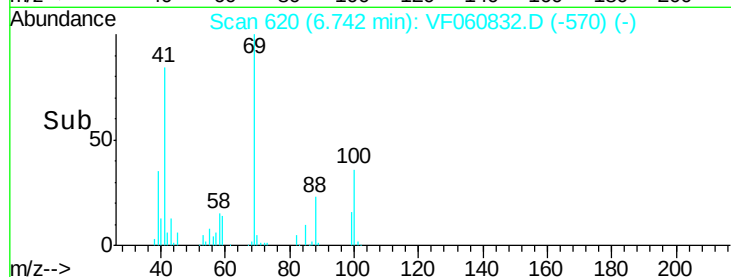
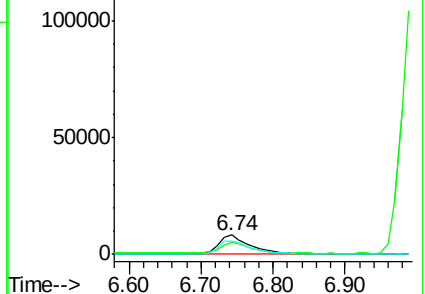
58 66.3 61.8 92.8



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 129.837 ug/l

RT: 7.59 min Scan# 706

Delta R.T. -0.00 min

Lab File: VF060832.D

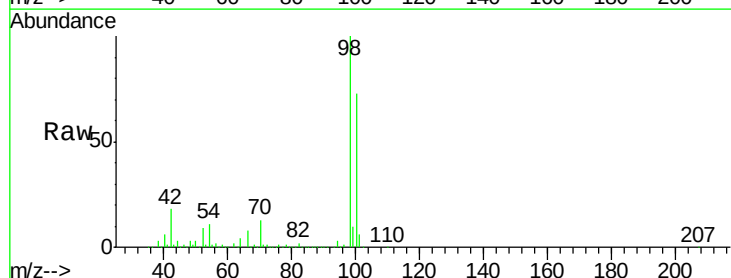
Acq: 26 Nov 2018 19:57

Tgt Ion: 98 Resp: 972578

Ion Ratio Lower Upper

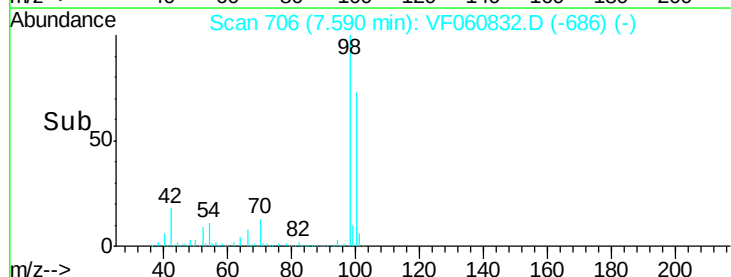
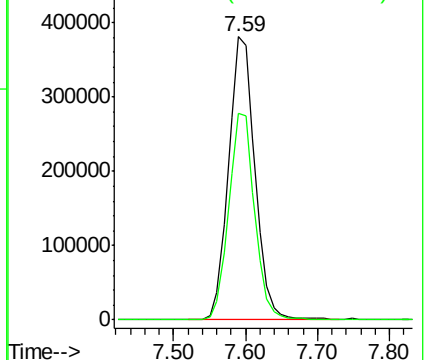
98 100

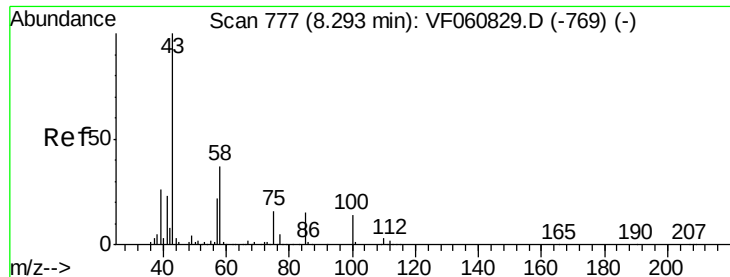
100 73.0 59.3 88.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

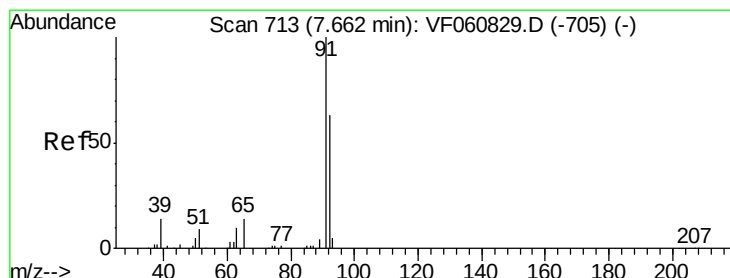
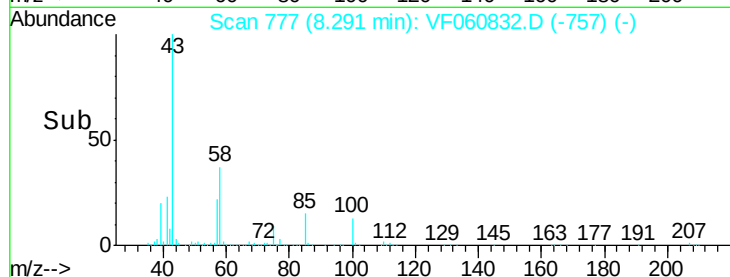
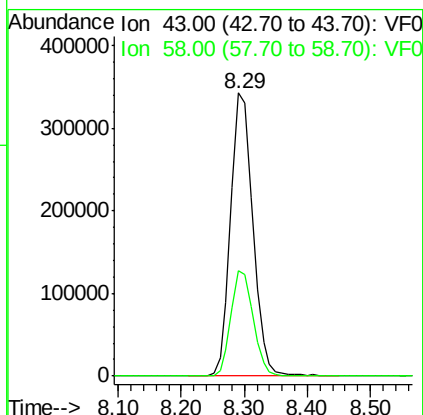
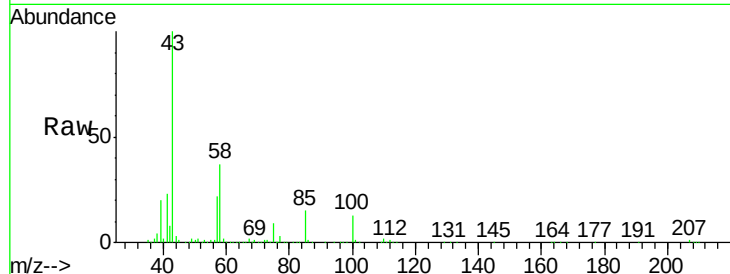




#51
 4-Methyl-2-Pentanone
 Concen: 604.400 ug/l
 RT: 8.29 min Scan# 777
 Delta R.T. -0.00 min
 Lab File: VF060832.D
 Acq: 26 Nov 2018 19:57

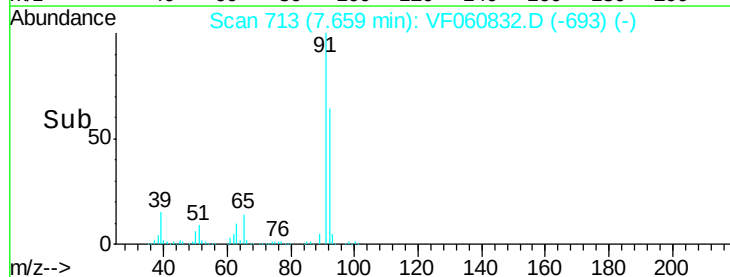
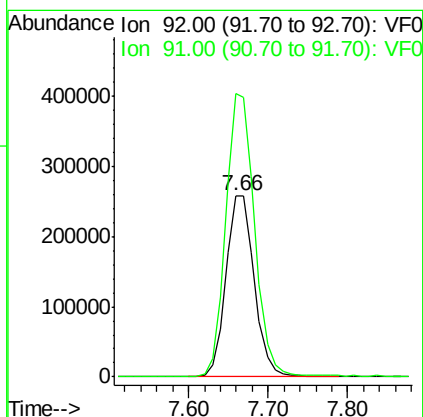
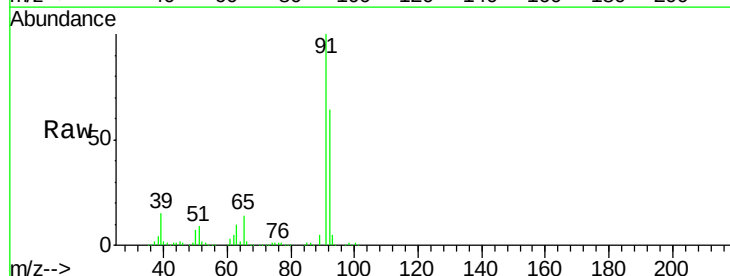
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

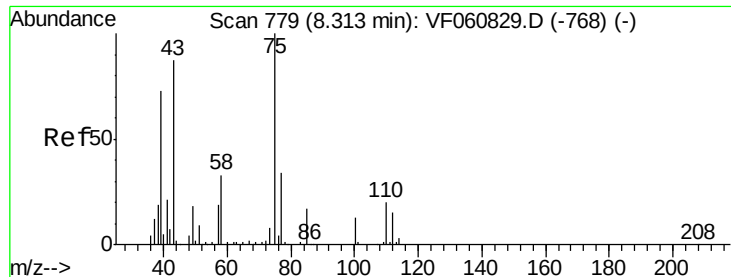
Tgt Ion: 43 Resp: 832769
 Ion Ratio Lower Upper
 43 100
 58 37.5 29.7 44.5



#52
 Toluene
 Concen: 113.238 ug/l
 RT: 7.66 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VF060832.D
 Acq: 26 Nov 2018 19:57

Tgt Ion: 92 Resp: 646322
 Ion Ratio Lower Upper
 92 100
 91 156.3 126.2 189.2

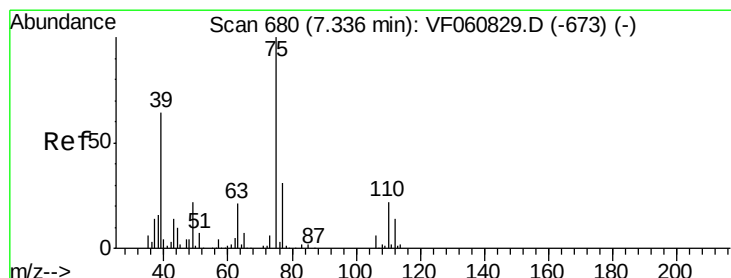
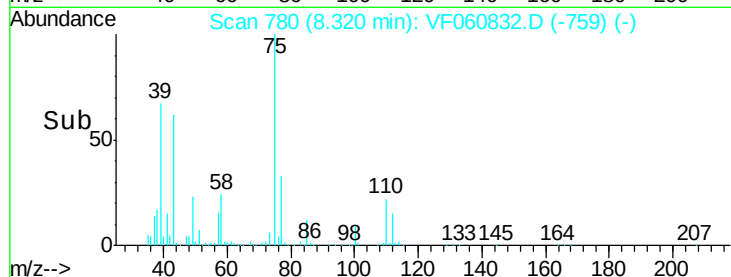
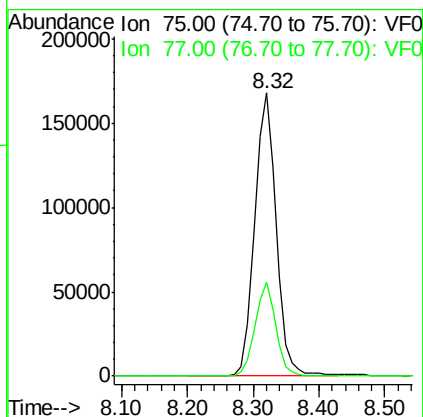
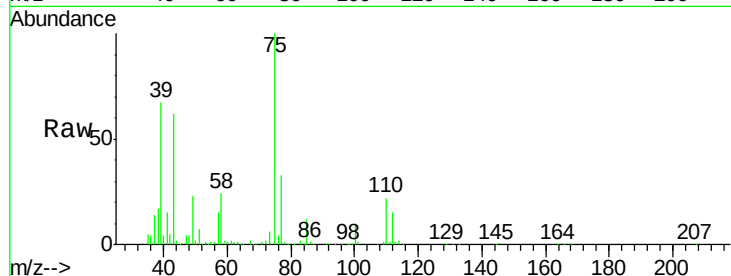




#53
t-1,3-Dichloropropene
Concen: 126.762 ug/l
RT: 8.32 min Scan# 780
Delta R.T. 0.01 min
Lab File: VF060832.D
Acq: 26 Nov 2018 19:57

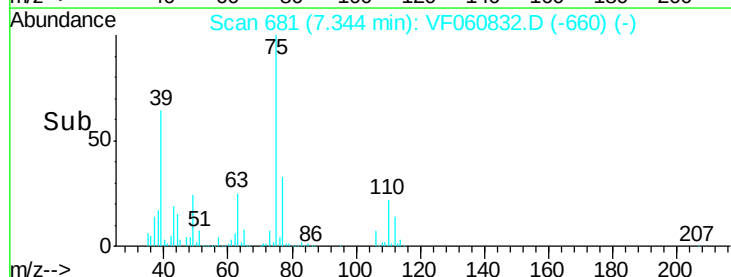
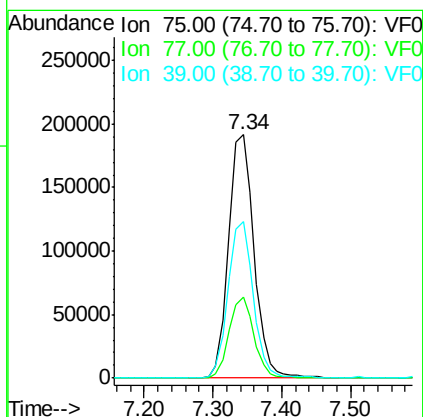
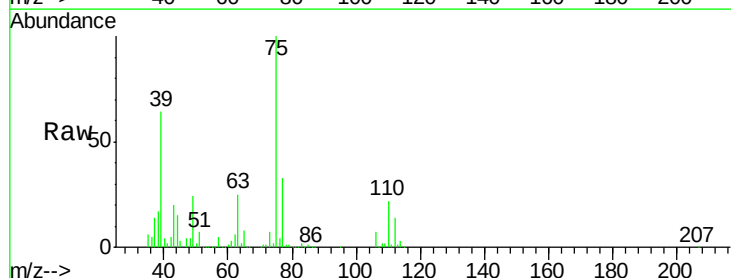
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

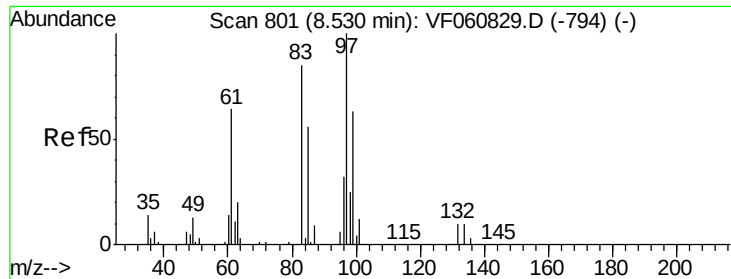
Tgt Ion: 75 Resp: 386692
Ion Ratio Lower Upper
75 100
77 33.2 27.4 41.2



#54
cis-1,3-Dichloropropene
Concen: 123.946 ug/l
RT: 7.34 min Scan# 681
Delta R.T. 0.01 min
Lab File: VF060832.D
Acq: 26 Nov 2018 19:57

Tgt Ion: 75 Resp: 494313
Ion Ratio Lower Upper
75 100
77 33.4 25.0 37.6
39 64.1 51.1 76.7





#55

1,1,2-Trichloroethane

Concen: 126.078 ug/l

RT: 8.53 min Scan# 801

Delta R.T. -0.00 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tgt Ion: 97 Resp: 207526

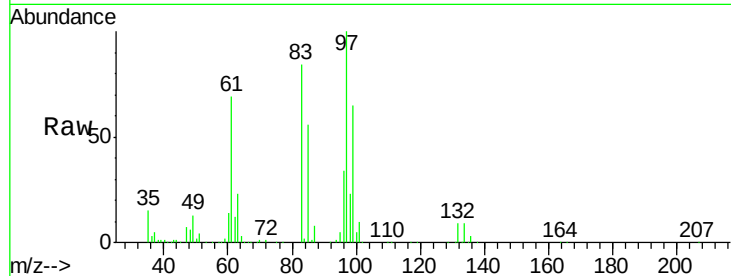
Ion Ratio Lower Upper

97 100

83 84.1 67.8 101.6

85 55.7 45.0 67.6

99 64.7 50.5 75.7

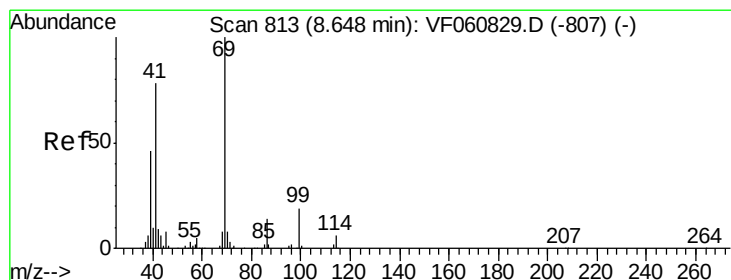
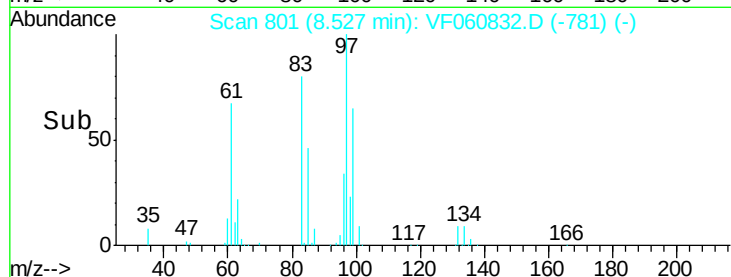
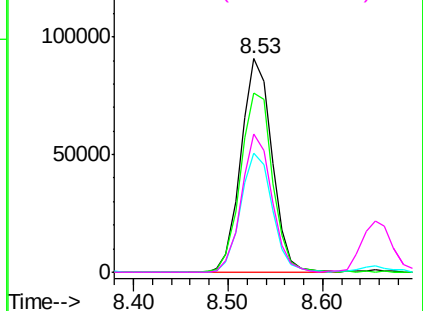


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 129.308 ug/l

RT: 8.66 min Scan# 814

Delta R.T. 0.01 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

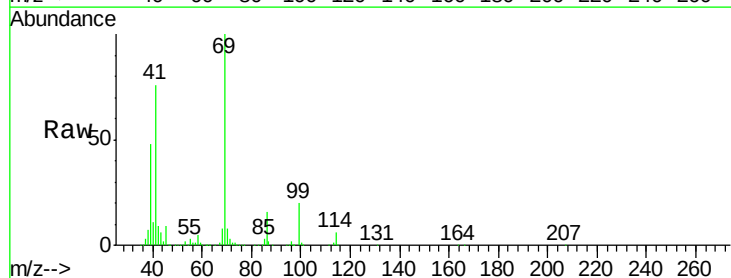
Tgt Ion: 69 Resp: 244380

Ion Ratio Lower Upper

69 100

41 76.0 62.6 94.0

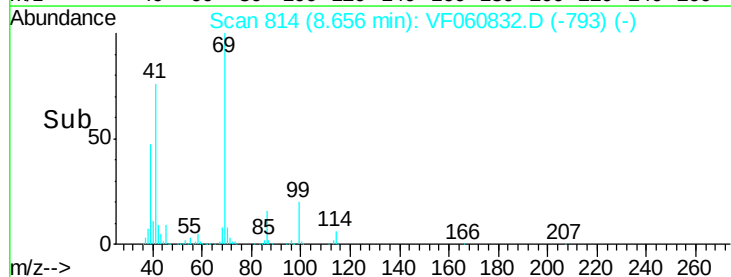
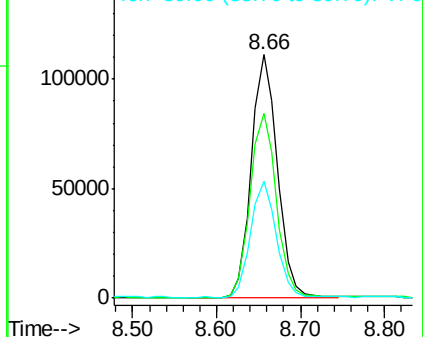
39 47.9 37.8 56.6

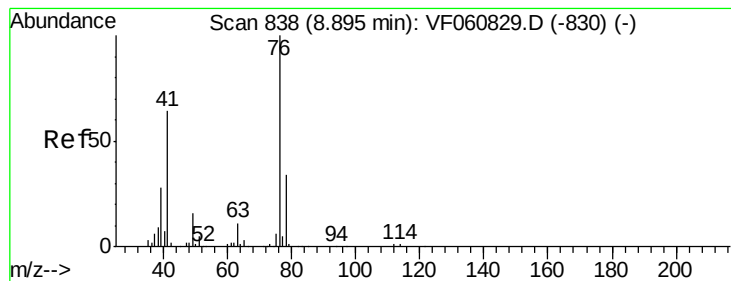


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 133.240 ug/l

RT: 8.89 min Scan# 838

Delta R.T. -0.00 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

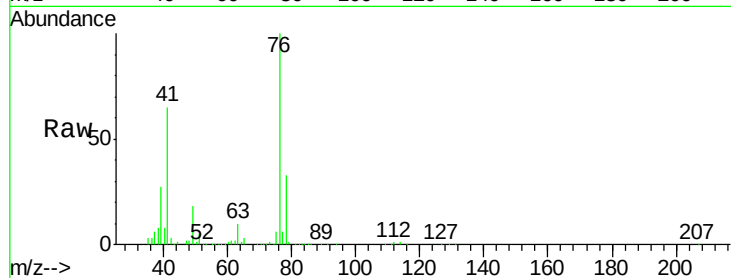
VSTDIC150

Tgt Ion: 76 Resp: 386726

Ion Ratio Lower Upper

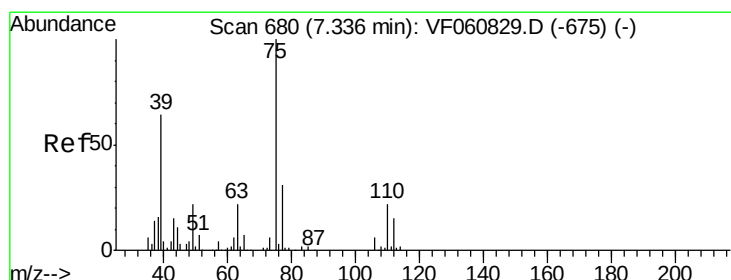
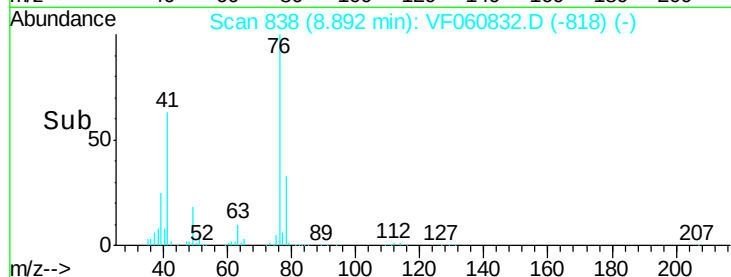
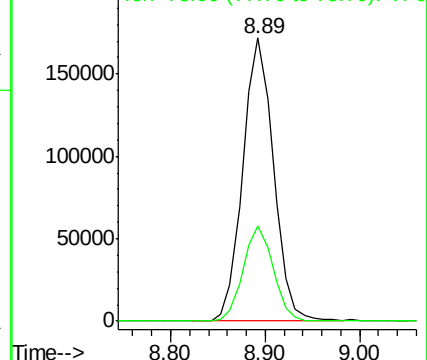
76 100

78 33.4 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: 808.362 ug/l

RT: 7.33 min Scan# 680

Delta R.T. -0.00 min

Lab File: VF060832.D

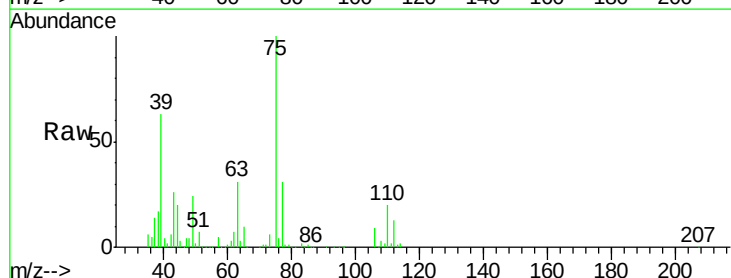
Acq: 26 Nov 2018 19:57

Tgt Ion: 63 Resp: 138835

Ion Ratio Lower Upper

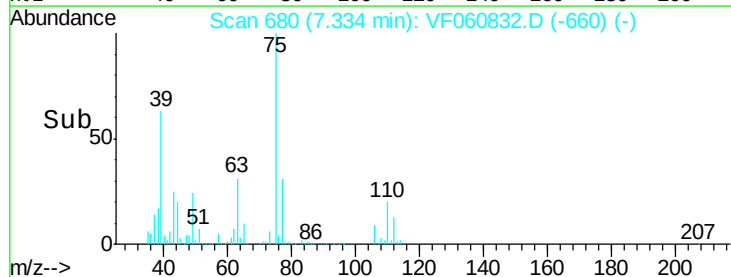
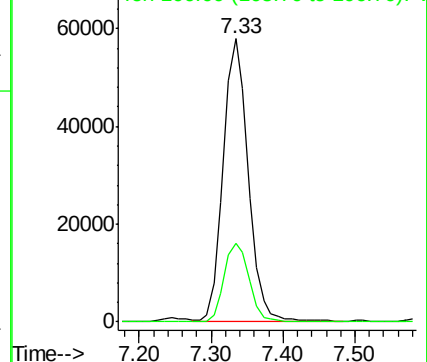
63 100

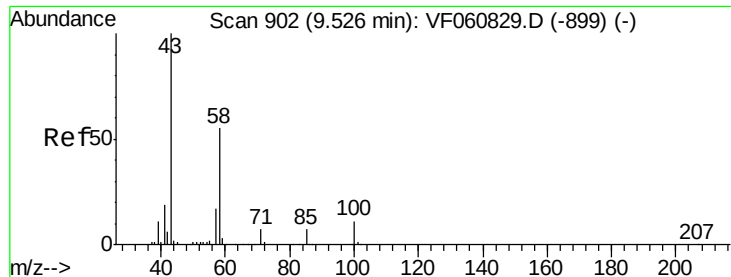
106 27.6 23.0 34.6



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

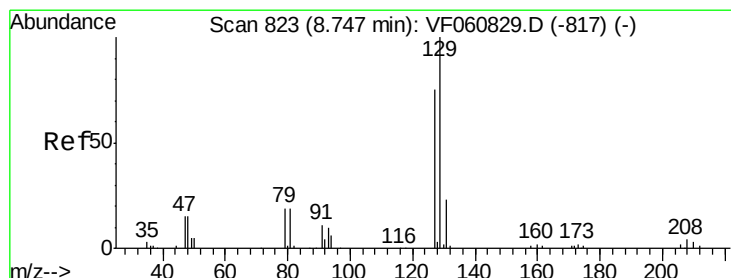
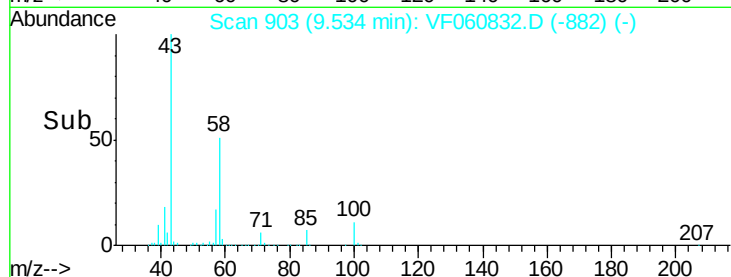
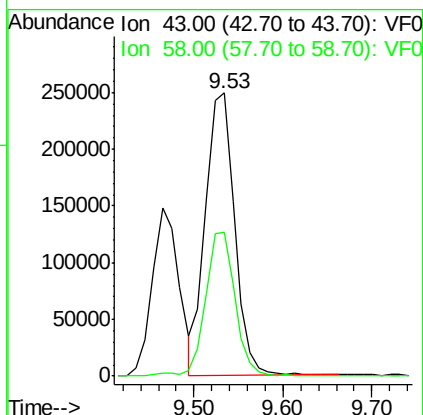
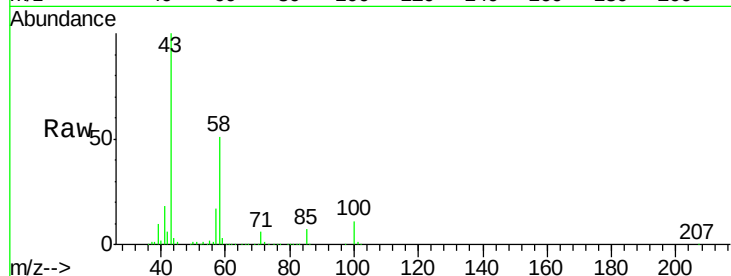




#59
2-Hexanone
Concen: 582.532 ug/l
RT: 9.53 min Scan# 903
Delta R.T. 0.01 min
Lab File: VF060832.D
Acq: 26 Nov 2018 19:57

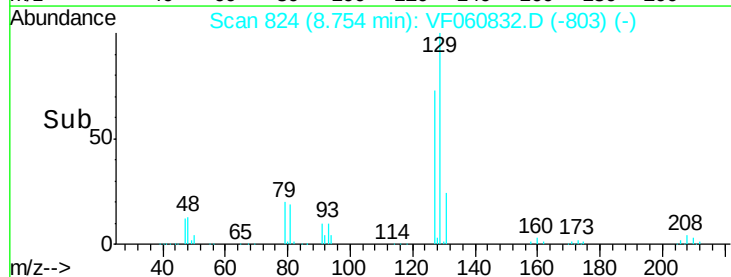
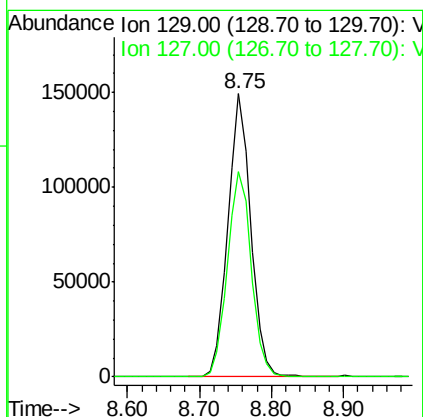
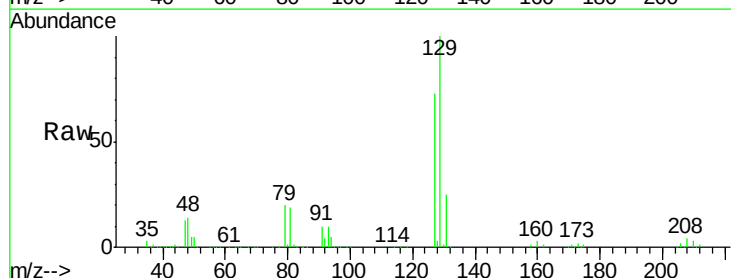
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

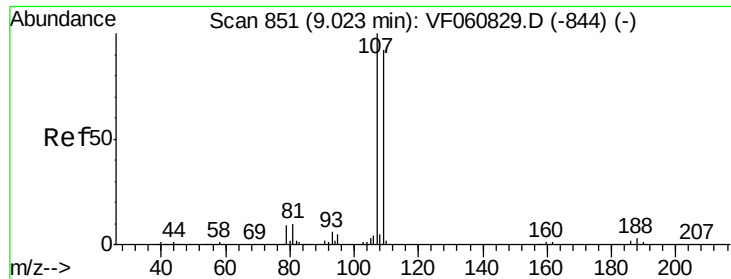
Tgt Ion: 43 Resp: 567020
Ion Ratio Lower Upper
43 100
58 50.9 25.6 76.6



#60
Dibromochloromethane
Concen: 139.460 ug/l
RT: 8.75 min Scan# 824
Delta R.T. 0.01 min
Lab File: VF060832.D
Acq: 26 Nov 2018 19:57

Tgt Ion: 129 Resp: 331915
Ion Ratio Lower Upper
129 100
127 72.6 37.3 111.9





#61

1,2-Dibromoethane

Concen: 132.936 ug/l

RT: 9.02 min Scan# 851

Delta R.T. -0.00 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

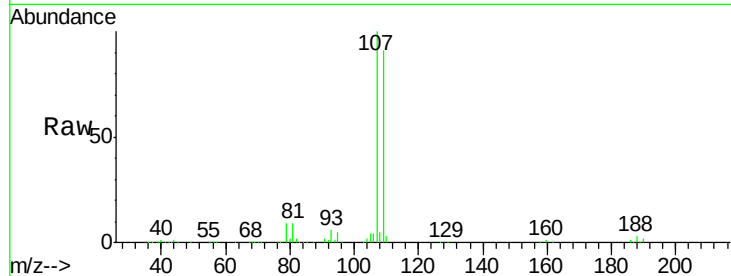
VSTDIC150

Tgt Ion: 107 Resp: 230928

Ion Ratio Lower Upper

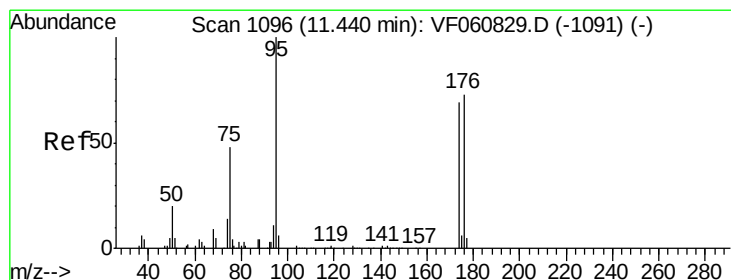
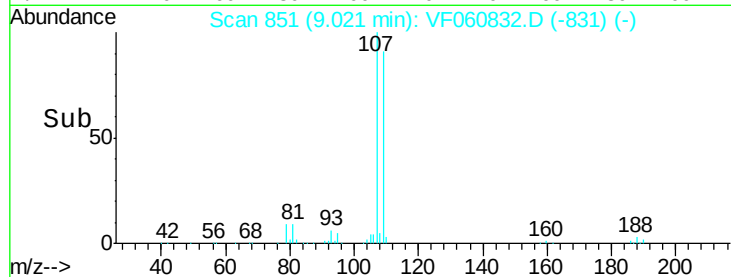
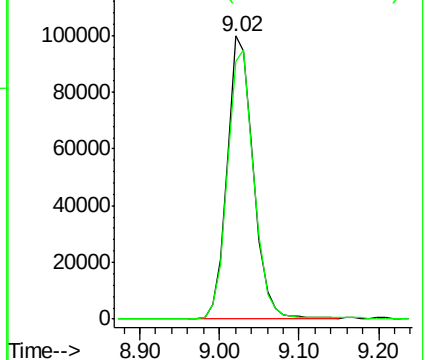
107 100

109 91.3 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: 131.038 ug/l

RT: 11.44 min Scan# 1096

Delta R.T. -0.00 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

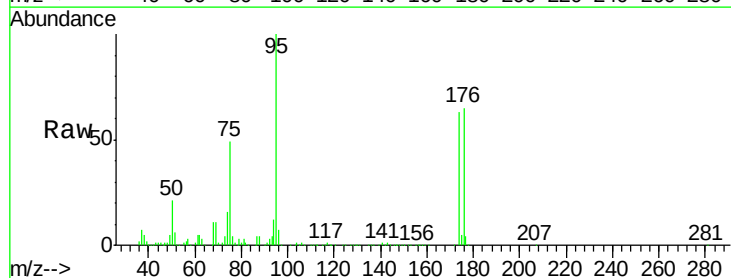
Tgt Ion: 95 Resp: 454572

Ion Ratio Lower Upper

95 100

174 63.4 0.0 138.2

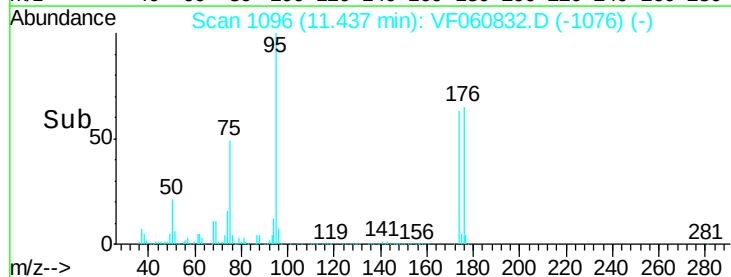
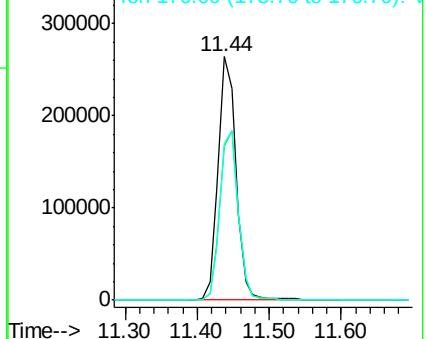
176 64.5 0.0 146.2

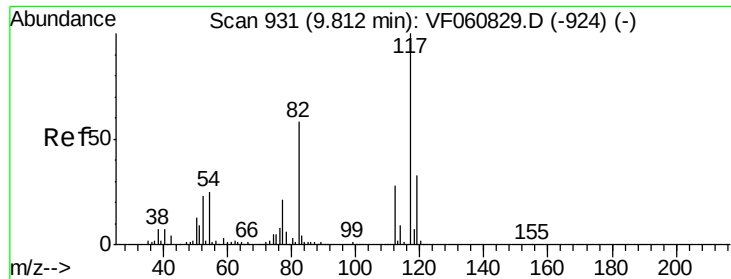


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

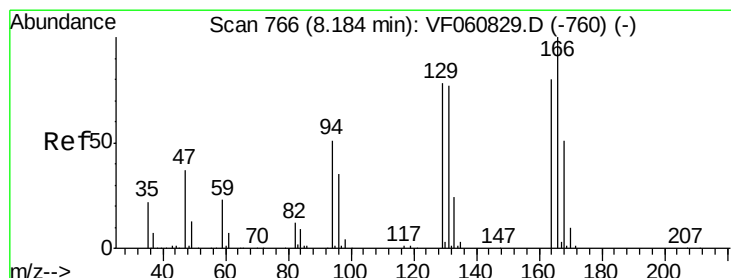
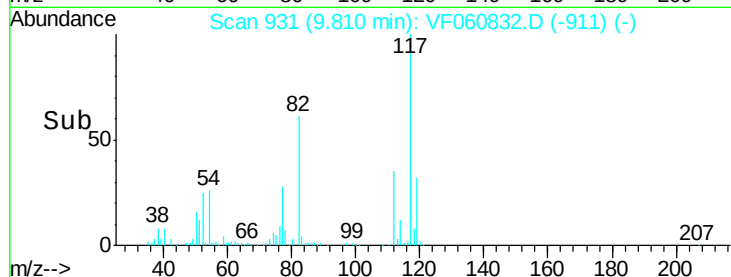
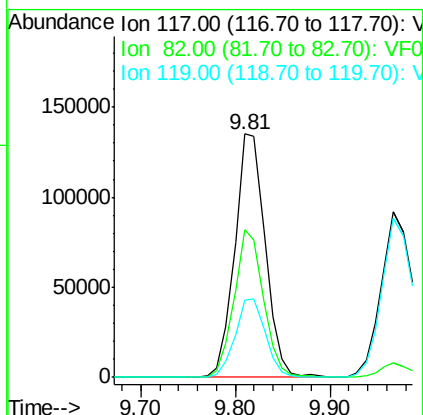
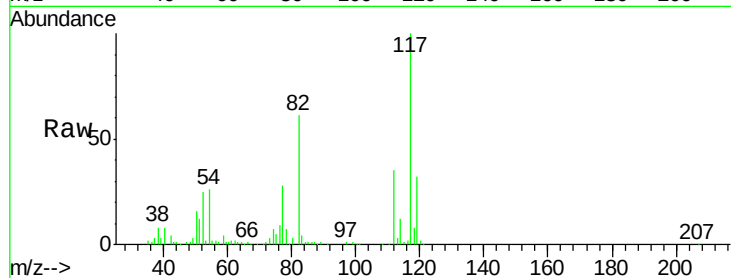




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.81 min Scan# 931
Delta R.T. -0.00 min
Lab File: VF060832.D
Acq: 26 Nov 2018 19:57

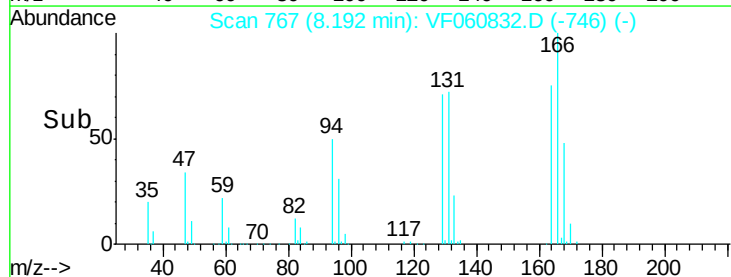
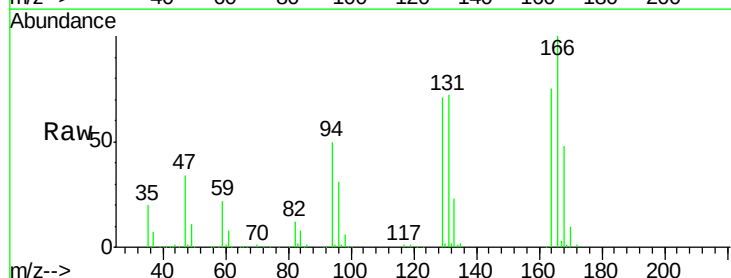
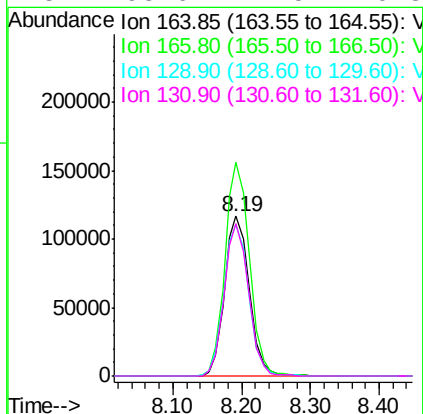
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

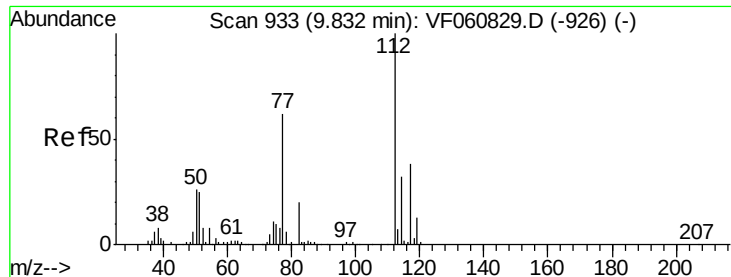
Tgt Ion	Ratio	Lower	Upper
117	100		
82	60.6	46.6	69.8
119	31.8	26.4	39.6



#64
Tetrachloroethene
Concen: 124.439 ug/l
RT: 8.19 min Scan# 767
Delta R.T. 0.01 min
Lab File: VF060832.D
Acq: 26 Nov 2018 19:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.6	100.3	150.5
129	94.5	77.9	116.9
131	95.6	77.5	116.3

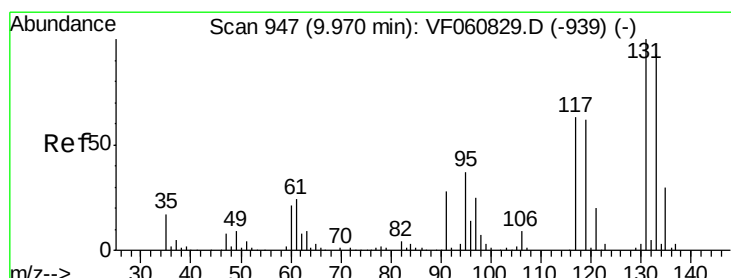
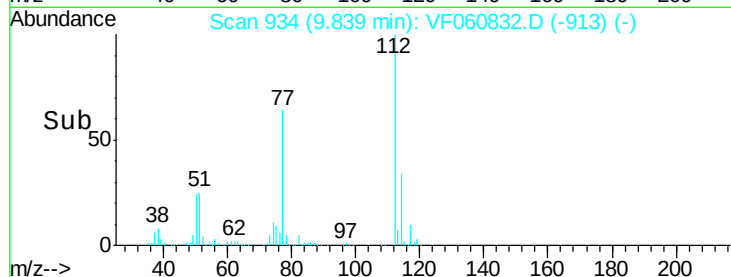
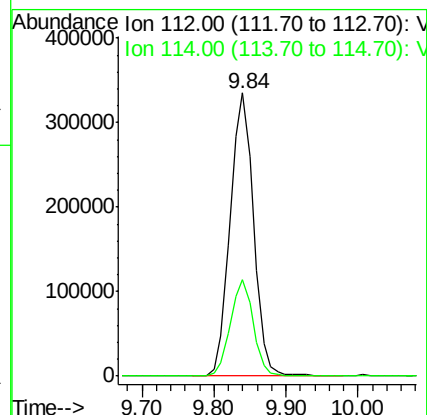
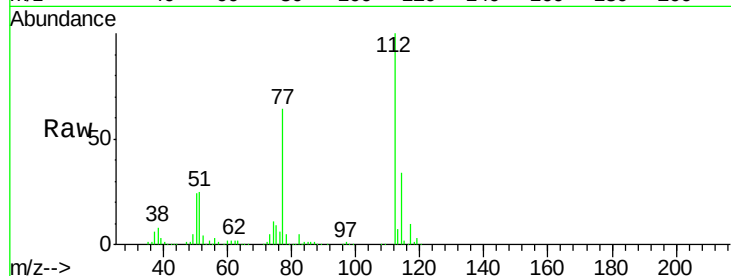




#65
Chlorobenzene
Concen: 125.111 ug/l
RT: 9.84 min Scan# 934
Delta R.T. 0.01 min
Lab File: VF060832.D
Acq: 26 Nov 2018 19:57

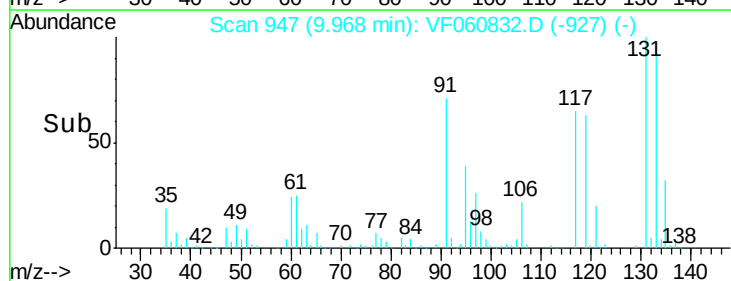
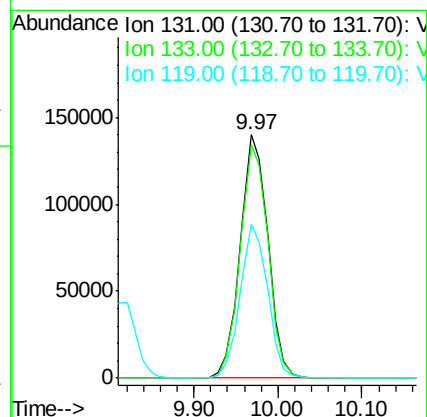
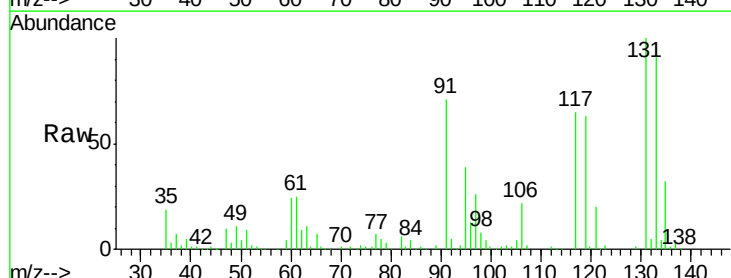
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

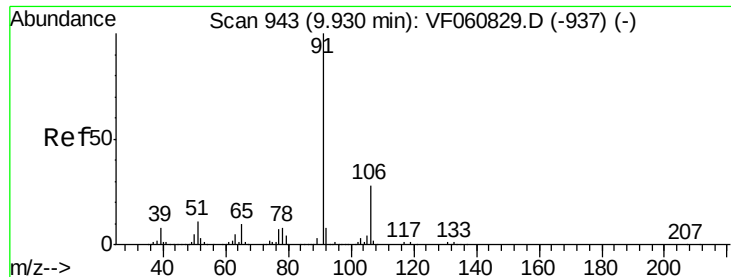
Tgt Ion:112 Resp: 760263
Ion Ratio Lower Upper
112 100
114 34.1 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 123.752 ug/l
RT: 9.97 min Scan# 947
Delta R.T. -0.00 min
Lab File: VF060832.D
Acq: 26 Nov 2018 19:57

Tgt Ion:131 Resp: 322011
Ion Ratio Lower Upper
131 100
133 95.8 46.5 139.3
119 63.2 31.1 93.3

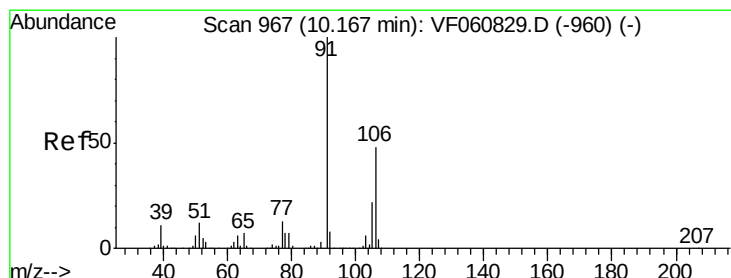
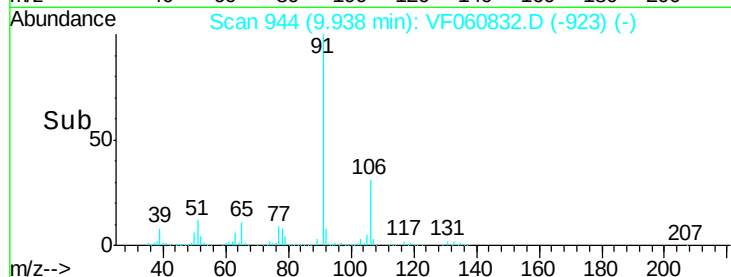
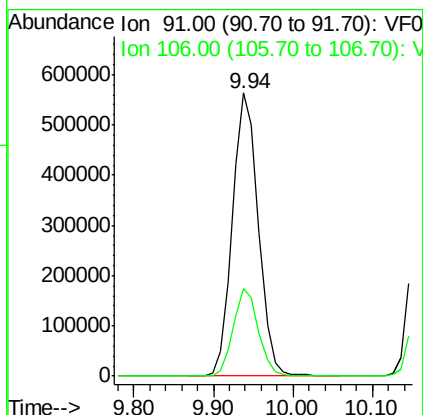
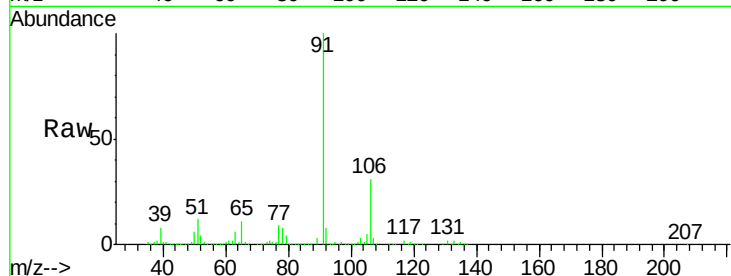




#67
Ethyl Benzene
Concen: 112.709 ug/l
RT: 9.94 min Scan# 944
Delta R.T. 0.01 min
Lab File: VF060832.D
Acq: 26 Nov 2018 19:57

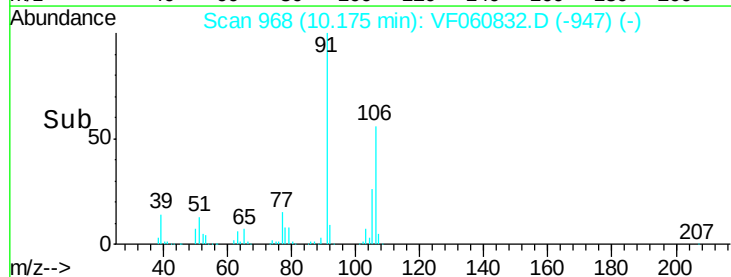
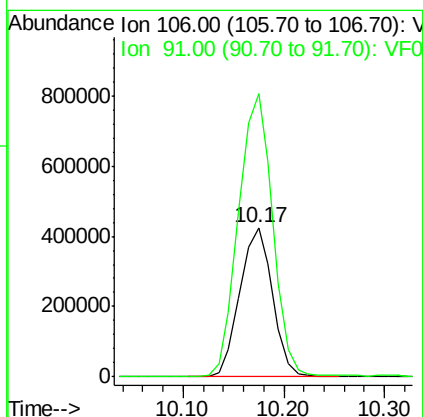
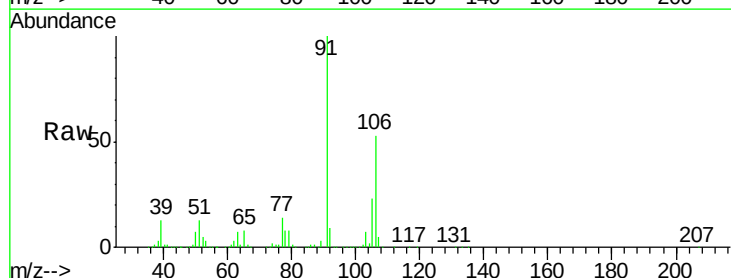
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

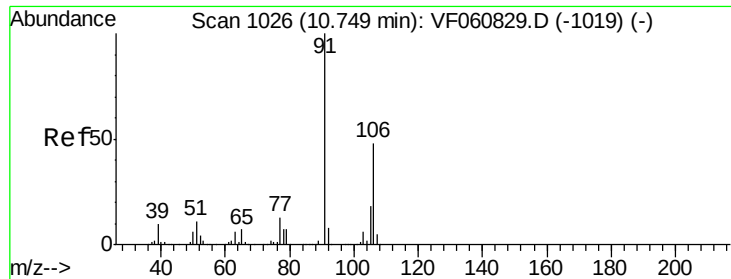
Tgt Ion: 91 Resp: 1282744
Ion Ratio Lower Upper
91 100
106 31.1 22.2 33.2



#68
m/p-Xylenes
Concen: 236.319 ug/l
RT: 10.17 min Scan# 968
Delta R.T. 0.01 min
Lab File: VF060832.D
Acq: 26 Nov 2018 19:57

Tgt Ion: 106 Resp: 957783
Ion Ratio Lower Upper
106 100
91 190.0 166.7 250.1

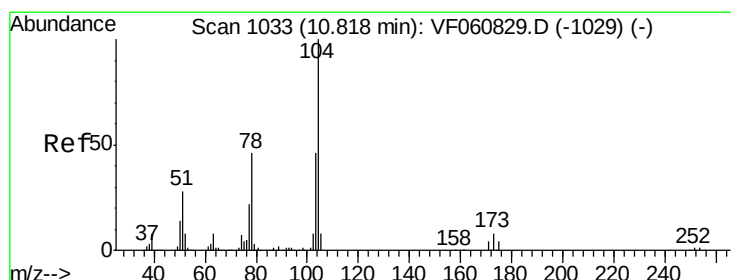
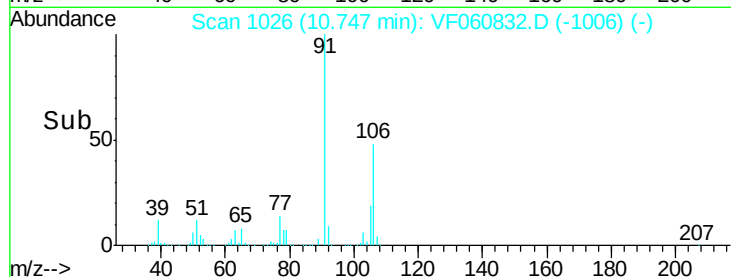
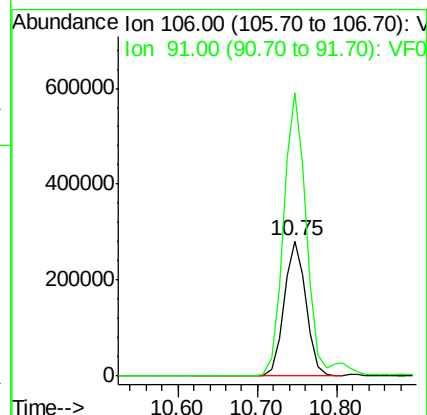
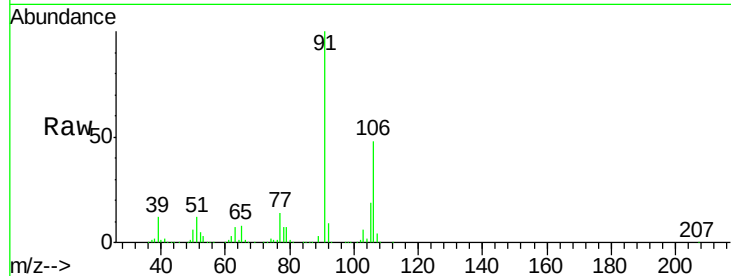




#69
o-Xylene
Concen: 118.782 ug/l
RT: 10.75 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VF060832.D
Acq: 26 Nov 2018 19:57

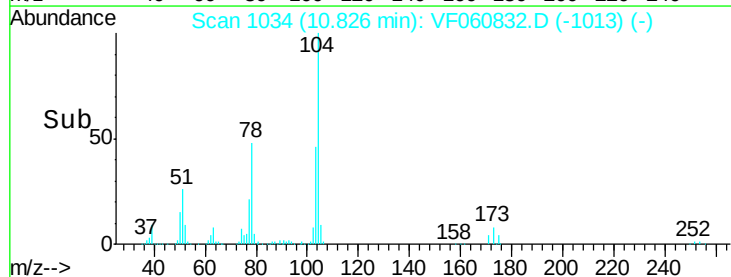
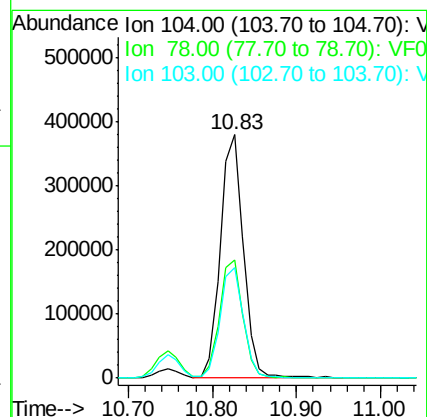
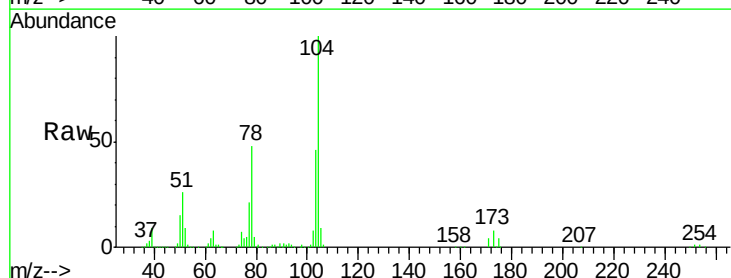
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

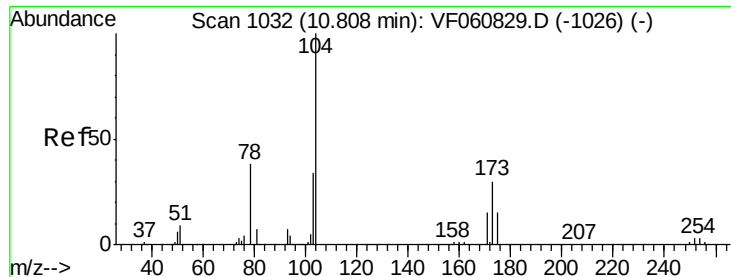
Tgt Ion:106 Resp: 539202
Ion Ratio Lower Upper
106 100
91 209.2 104.8 314.6



#70
Styrene
Concen: 116.059 ug/l
RT: 10.83 min Scan# 1034
Delta R.T. 0.01 min
Lab File: VF060832.D
Acq: 26 Nov 2018 19:57

Tgt Ion:104 Resp: 719307
Ion Ratio Lower Upper
104 100
78 48.3 37.3 55.9
103 45.6 36.8 55.2





#71

Bromoform

Concen: 144.995 ug/l

RT: 10.81 min Scan# 1032

Delta R.T. -0.00 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

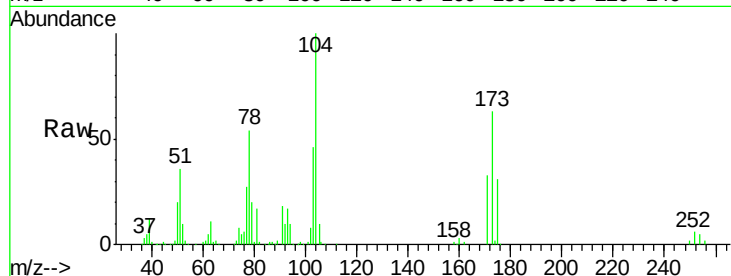
Tgt Ion:173 Resp: 171421

Ion Ratio Lower Upper

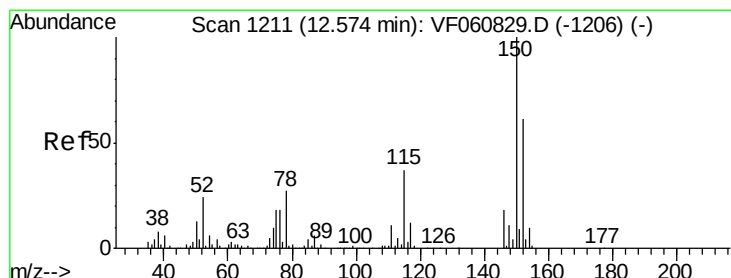
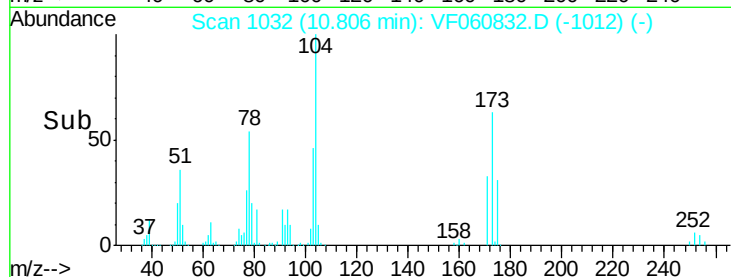
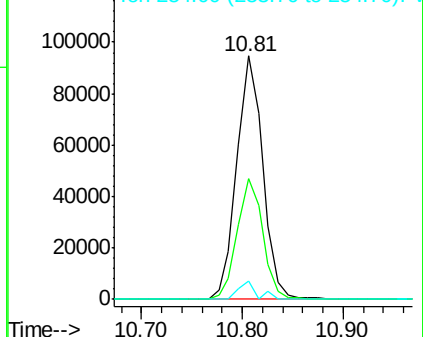
173 100

175 49.8 25.5 76.5

254 7.6 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: VF060832.D

Acq: 26 Nov 2018 19:57

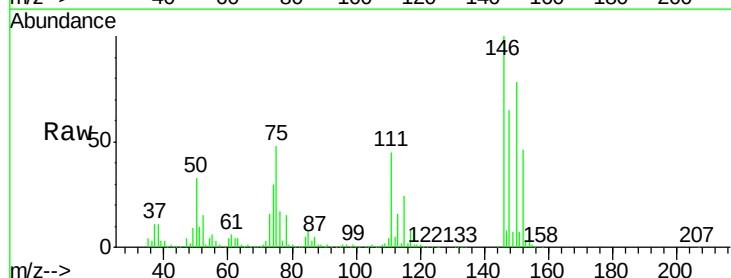
Tgt Ion:152 Resp: 151307

Ion Ratio Lower Upper

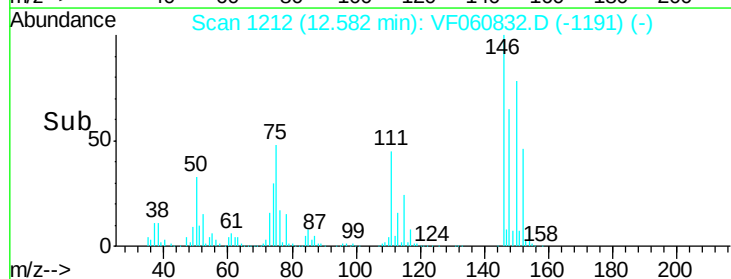
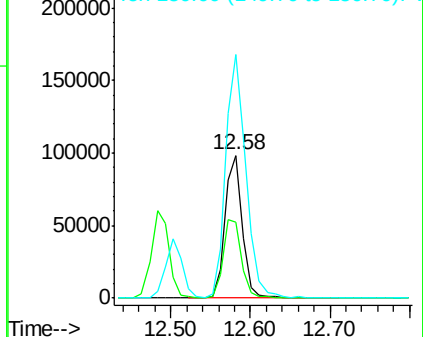
152 100

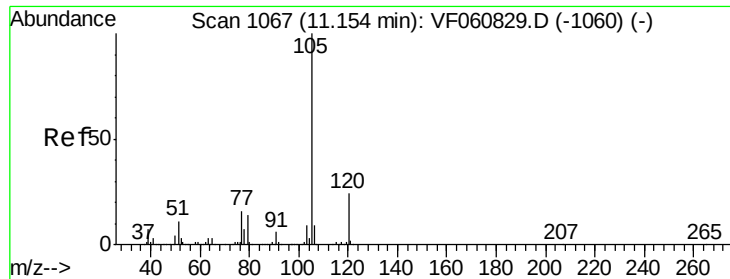
115 52.8 30.1 90.5

150 170.1 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: 117.680 ug/l

RT: 11.15 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

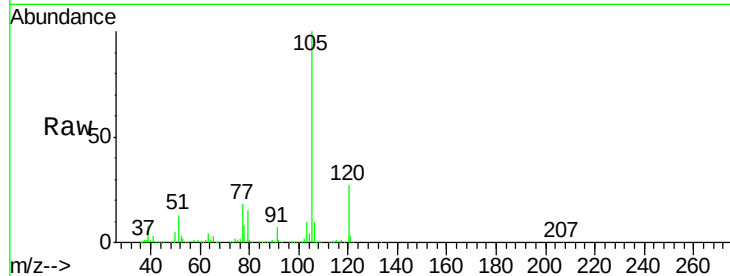
VSTDIC150

Tgt Ion:105 Resp: 1426877

Ion Ratio Lower Upper

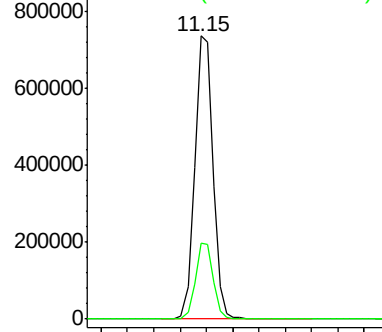
105 100

120 26.8 12.2 36.4

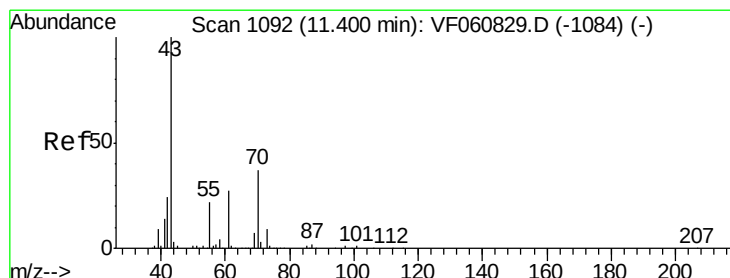
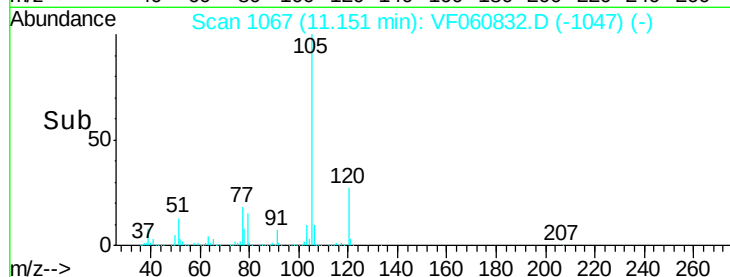


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time--> 11.00 11.20



#74

N-amyl acetate

Concen: 126.484 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Tgt Ion: 43 Resp: 353889

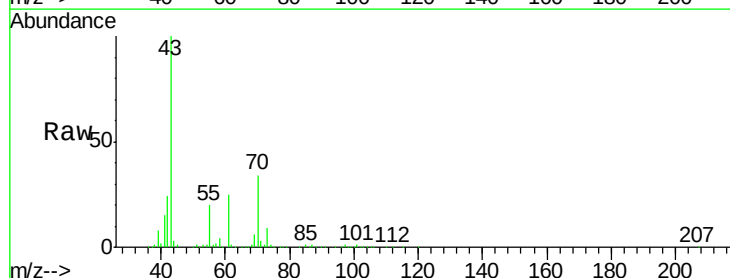
Ion Ratio Lower Upper

43 100

70 34.3 29.6 44.4

55 19.7 17.2 25.8

61 24.9 21.8 32.6

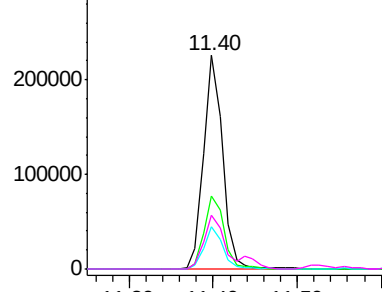


Abundance Ion 43.00 (42.70 to 43.70): VF0

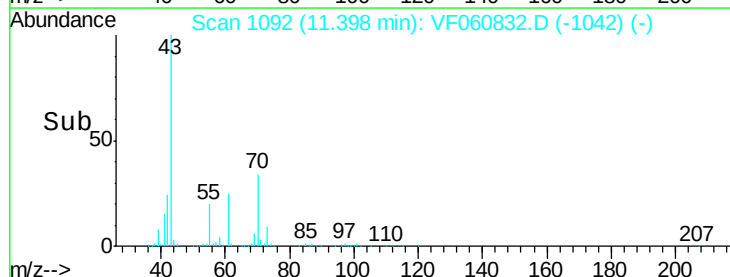
Ion 70.00 (69.70 to 70.70): VF0

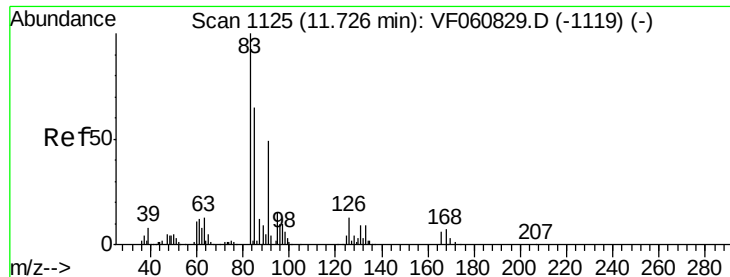
Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



Time--> 11.30 11.40 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 134.310 ug/l

RT: 11.72 min Scan# 1125

Delta R.T. -0.00 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

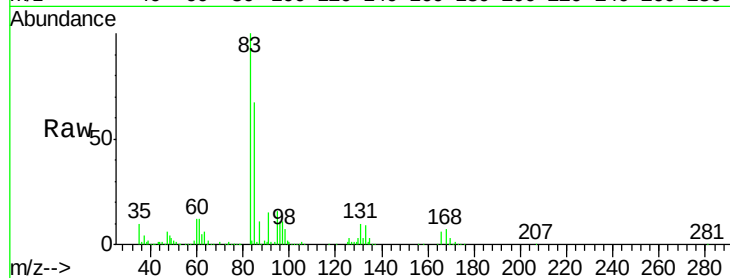
Tgt Ion: 83 Resp: 268349

Ion Ratio Lower Upper

83 100

131 9.8 4.7 14.1

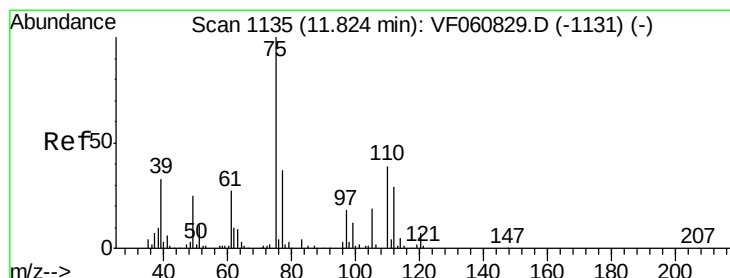
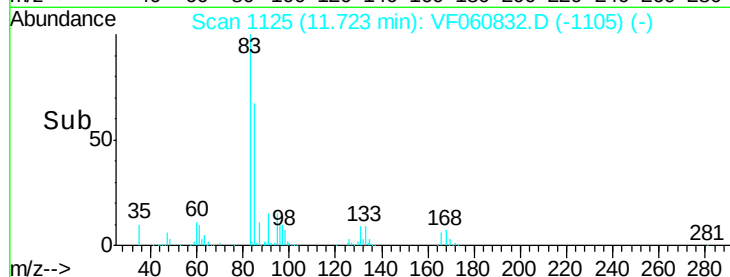
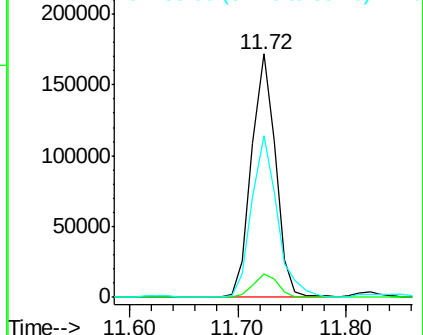
85 66.5 32.6 97.8



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 128.725 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VF060832.D

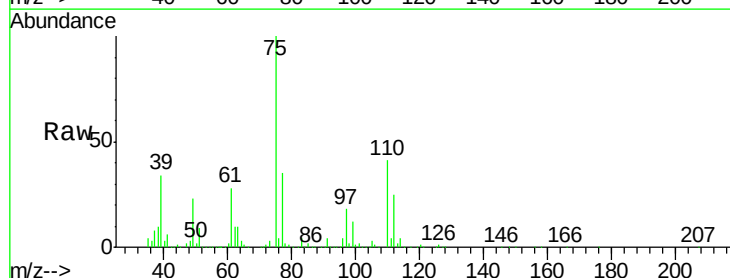
Acq: 26 Nov 2018 19:57

Tgt Ion: 75 Resp: 193258

Ion Ratio Lower Upper

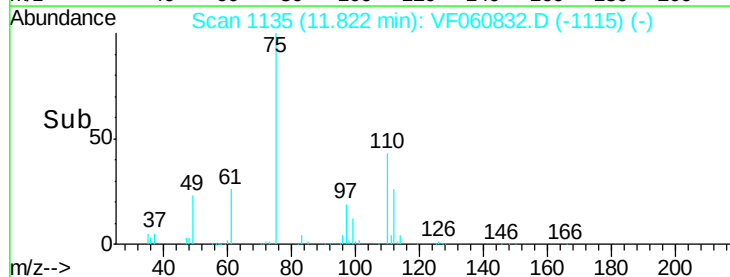
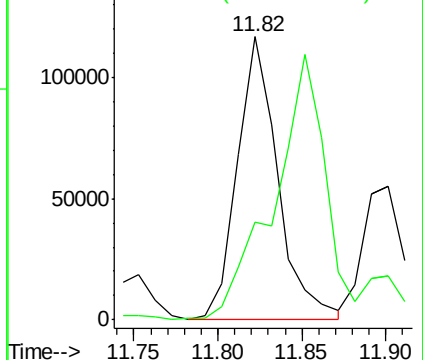
75 100

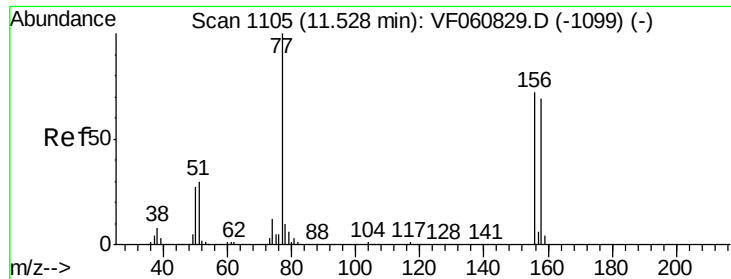
77 34.6 18.4 55.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 132.768 ug/l

RT: 11.53 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

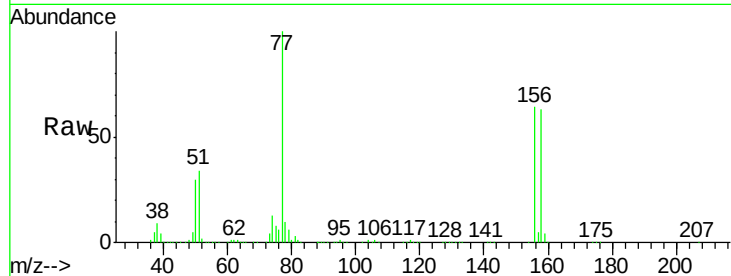
Tgt Ion:156 Resp: 341157

Ion Ratio Lower Upper

156 100

77 156.9 69.7 209.0

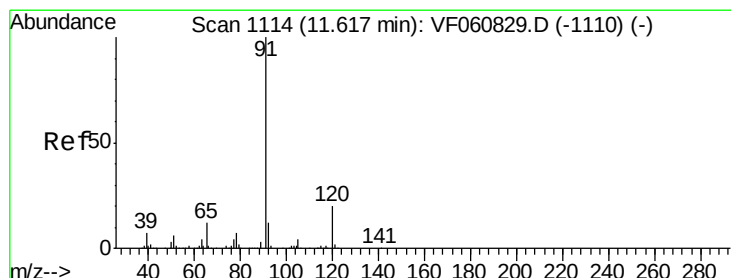
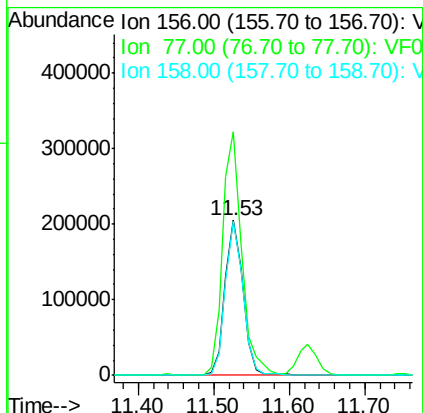
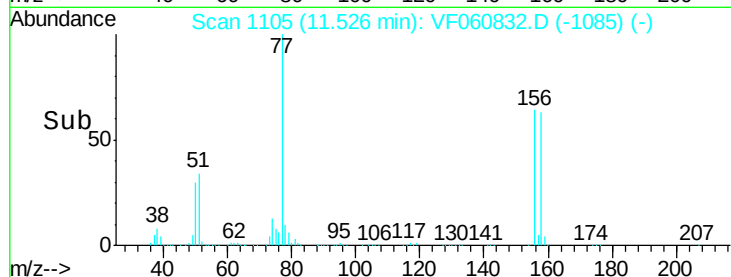
158 98.9 47.8 143.4



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: 114.829 ug/l

RT: 11.62 min Scan# 1115

Delta R.T. 0.01 min

Lab File: VF060832.D

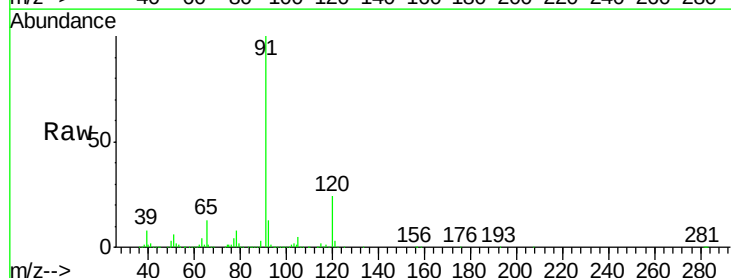
Acq: 26 Nov 2018 19:57

Tgt Ion: 91 Resp: 1645108

Ion Ratio Lower Upper

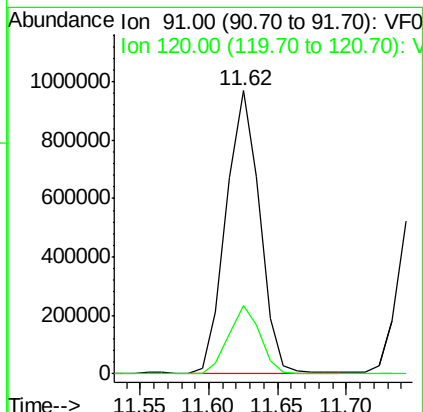
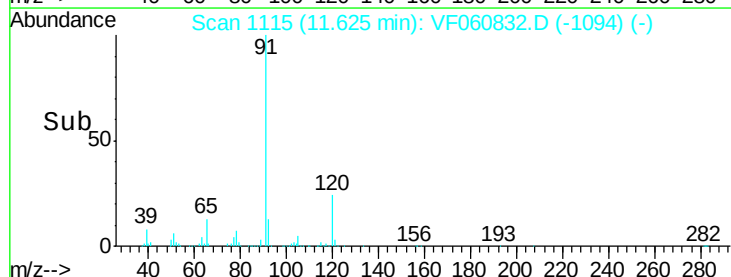
91 100

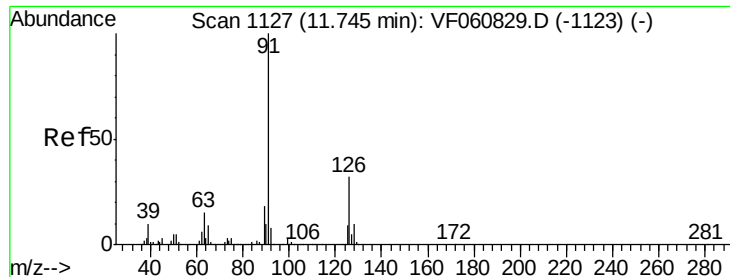
120 24.0 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

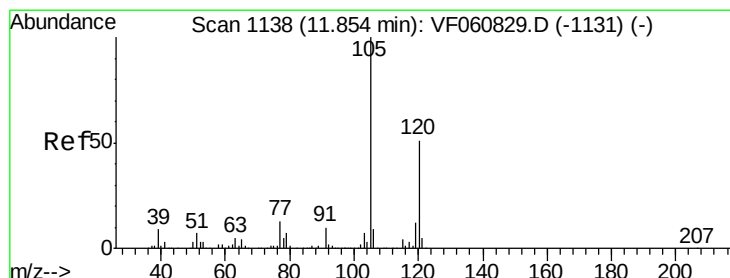
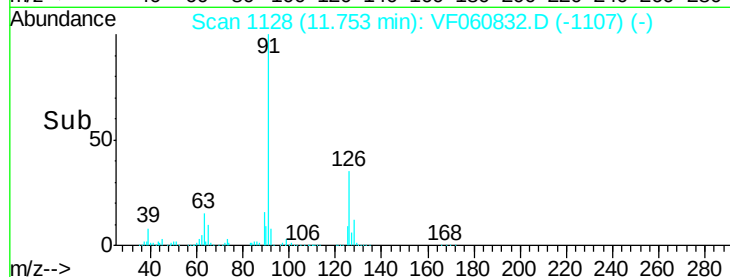
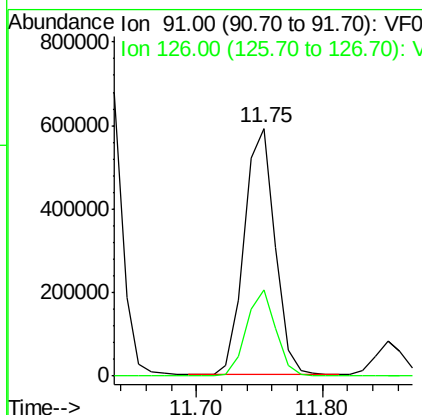
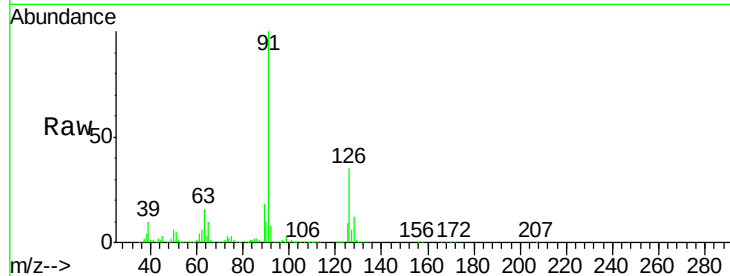




#79
 2-Chlorotoluene
 Concen: 121.107 ug/l
 RT: 11.75 min Scan# 1128
 Delta R.T. 0.01 min
 Lab File: VF060832.D
 Acq: 26 Nov 2018 19:57

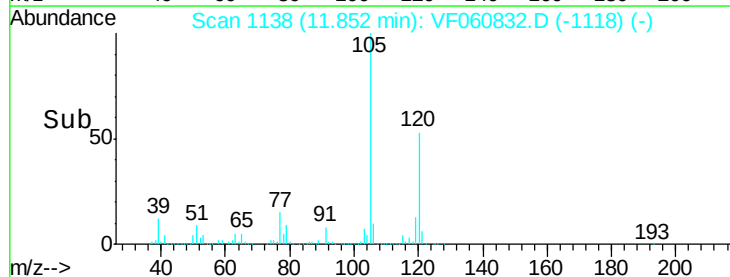
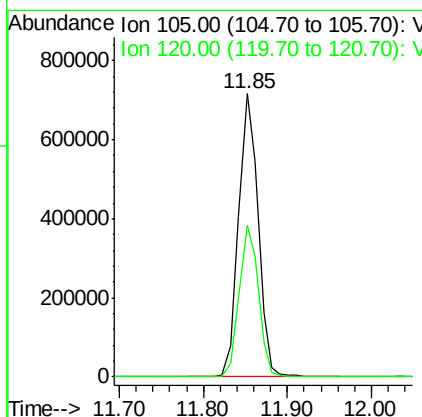
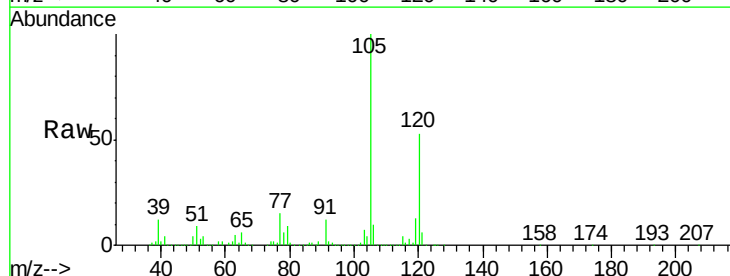
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

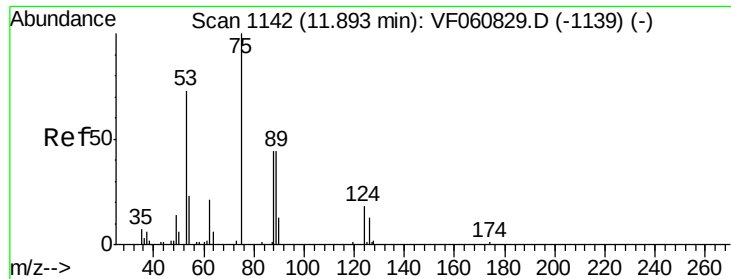
Tgt Ion: 91 Resp: 997169
 Ion Ratio Lower Upper
 91 100
 126 34.8 15.9 47.6



#80
 1,3,5-Trimethylbenzene
 Concen: 119.901 ug/l
 RT: 11.85 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VF060832.D
 Acq: 26 Nov 2018 19:57

Tgt Ion: 105 Resp: 1159385
 Ion Ratio Lower Upper
 105 100
 120 53.5 25.8 77.3





#81

trans-1,4-Dichloro-2-butene

Concen: 167.059 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

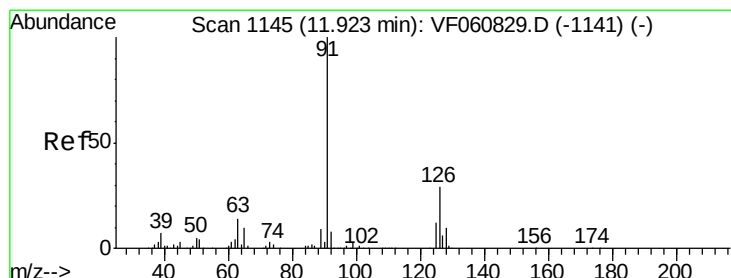
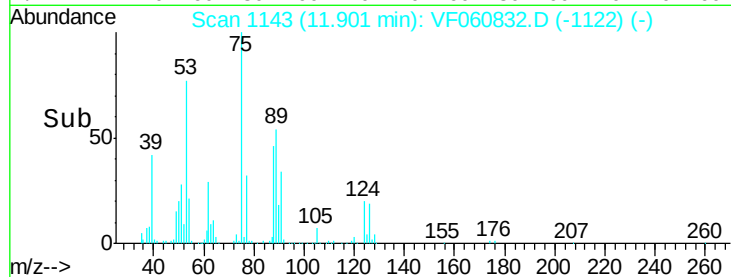
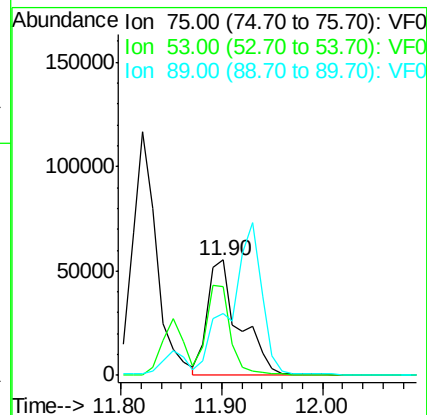
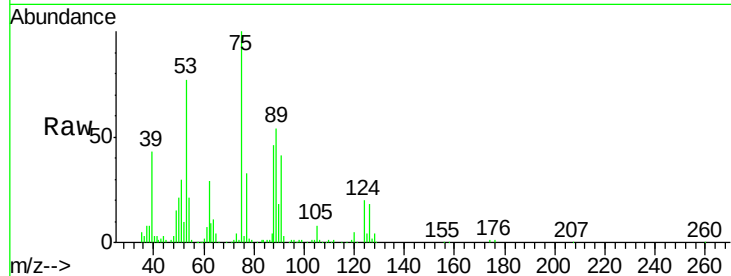
Tgt Ion: 75 Resp: 121618

Ion Ratio Lower Upper

75 100

53 77.1 65.9 98.9

89 54.2 38.8 58.2



#82

4-Chlorotoluene

Concen: 121.874 ug/l

RT: 11.93 min Scan# 1146

Delta R.T. 0.01 min

Lab File: VF060832.D

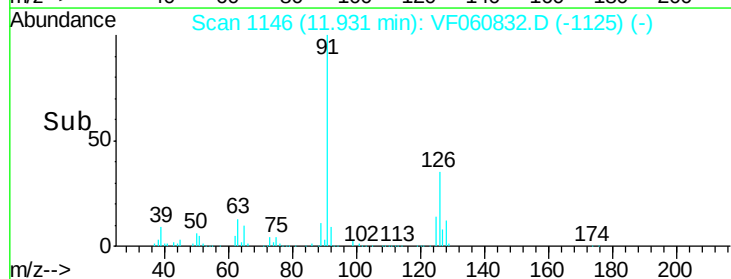
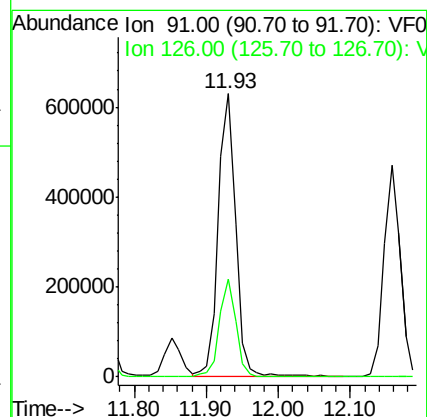
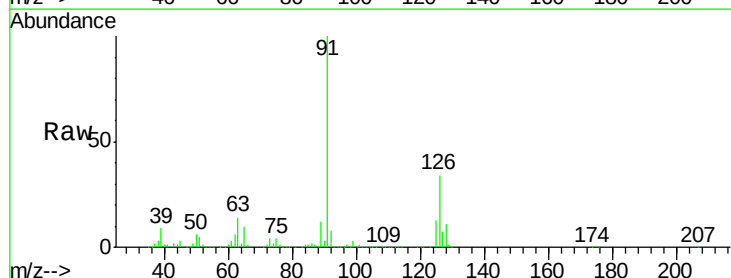
Acq: 26 Nov 2018 19:57

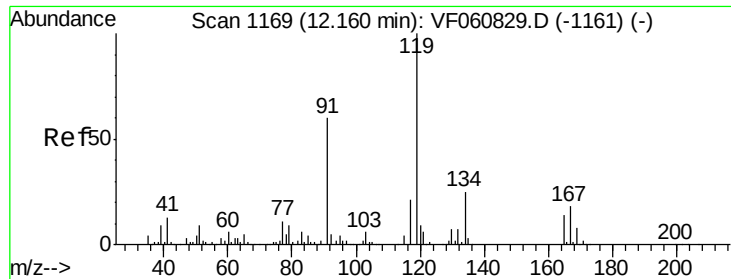
Tgt Ion: 91 Resp: 1031112

Ion Ratio Lower Upper

91 100

126 34.4 14.8 44.4

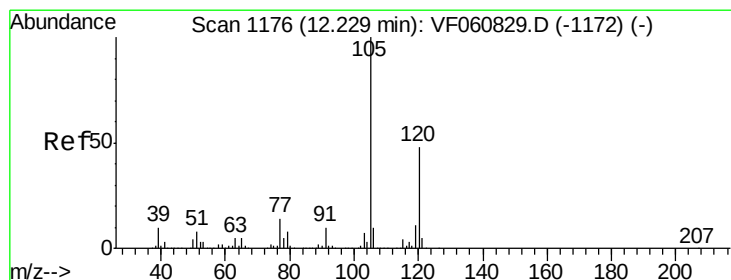
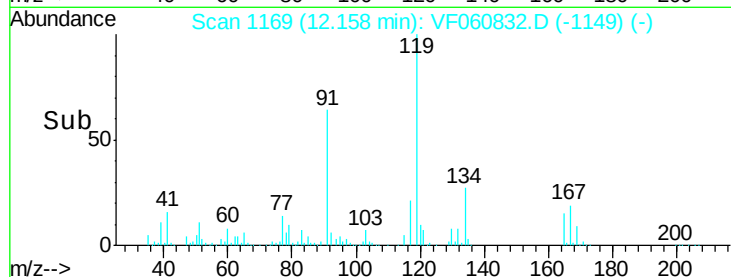
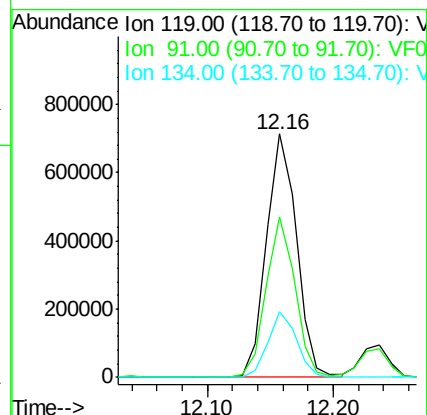
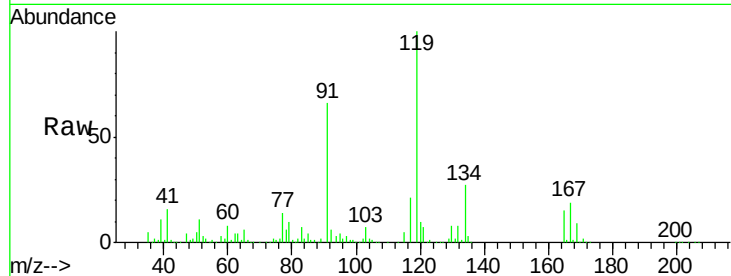




#83
 tert-Butylbenzene
 Concen: 118.166 ug/l
 RT: 12.16 min Scan# 1169
 Delta R.T. -0.00 min
 Lab File: VF060832.D
 Acq: 26 Nov 2018 19:57

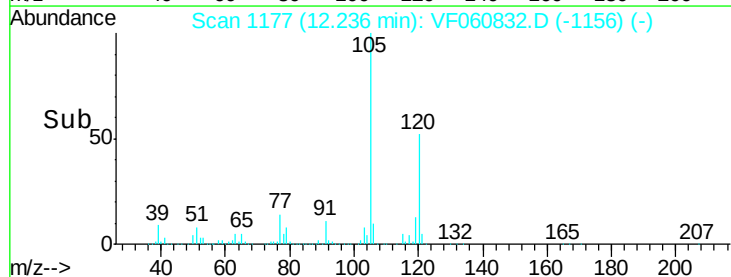
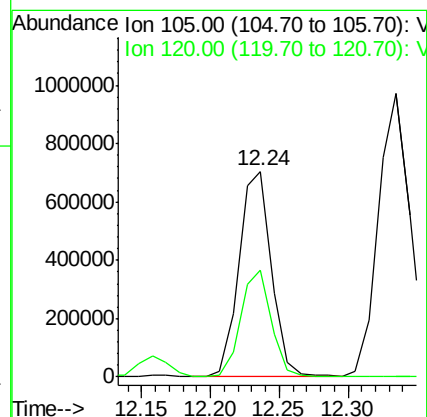
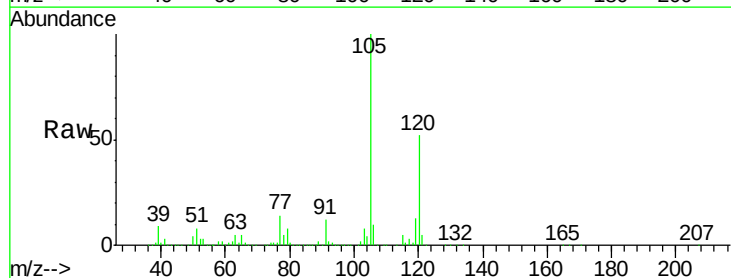
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

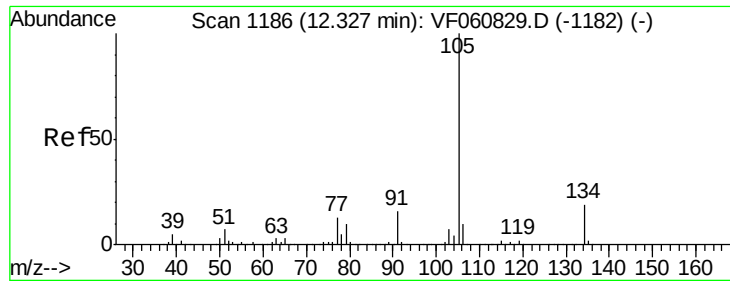
Tgt Ion:119 Resp: 1195142
 Ion Ratio Lower Upper
 119 100
 91 66.1 30.1 90.3
 134 27.1 12.6 37.8



#84
 1,2,4-Trimethylbenzene
 Concen: 115.253 ug/l
 RT: 12.24 min Scan# 1177
 Delta R.T. 0.01 min
 Lab File: VF060832.D
 Acq: 26 Nov 2018 19:57

Tgt Ion:105 Resp: 1154776
 Ion Ratio Lower Upper
 105 100
 120 52.1 23.8 71.5





#85

sec-Butylbenzene

Concen: 112.625 ug/l

RT: 12.34 min Scan# 1187

Delta R.T. 0.01 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

Instrument :

MSVOA_F

ClientSampleId :

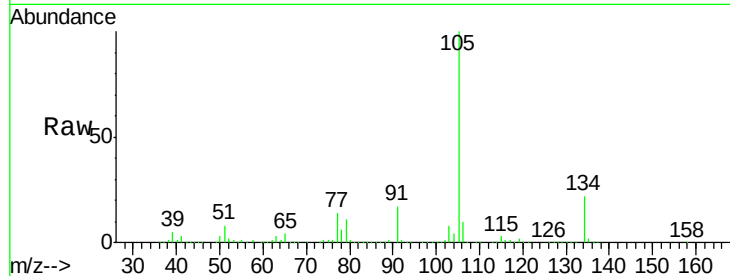
VSTDIC150

Tgt Ion:105 Resp: 1557949

Ion Ratio Lower Upper

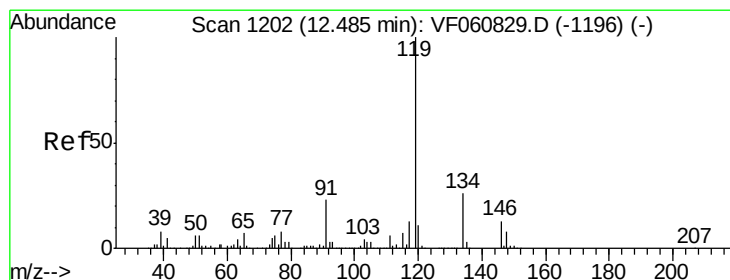
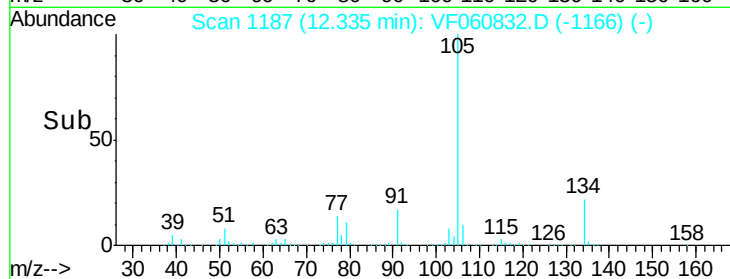
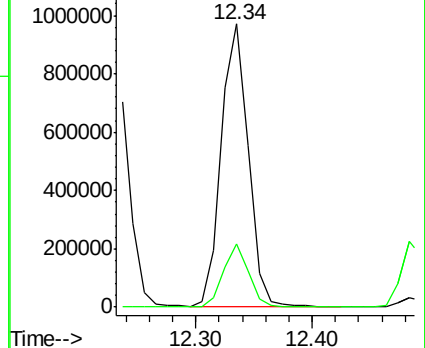
105 100

134 22.3 9.5 28.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 110.404 ug/l

RT: 12.48 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VF060832.D

Acq: 26 Nov 2018 19:57

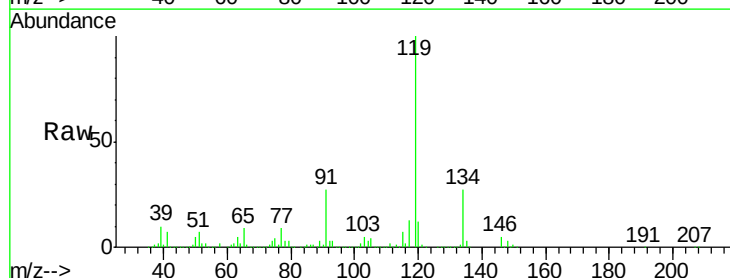
Tgt Ion:119 Resp: 1267815

Ion Ratio Lower Upper

119 100

134 27.3 12.9 38.6

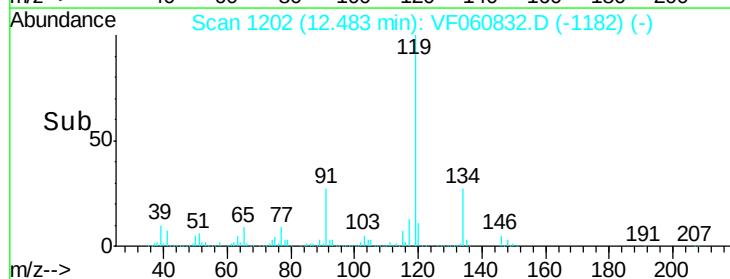
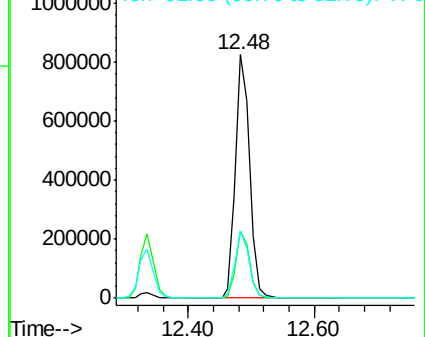
91 27.4 11.8 35.3

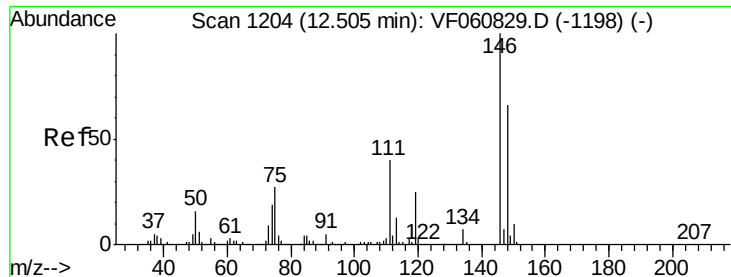


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

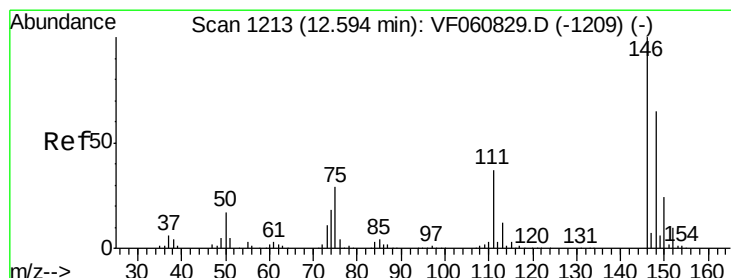
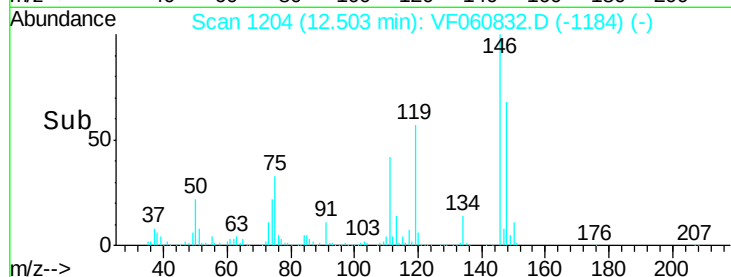
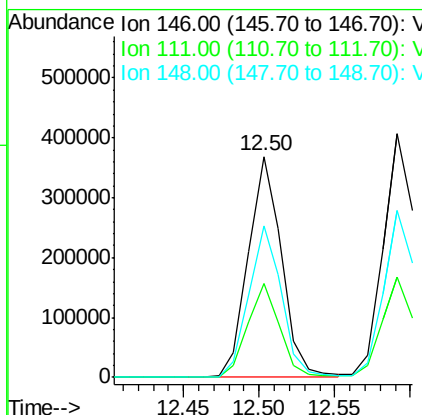
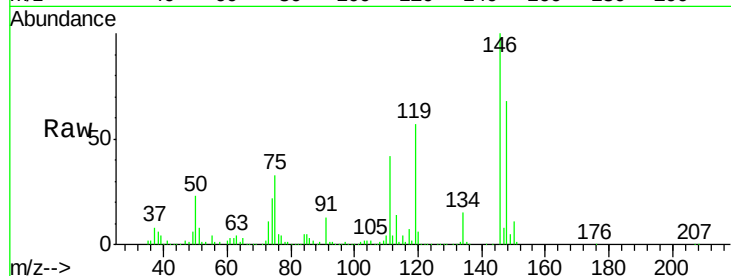




#87
 1,3-Dichlorobenzene
 Concen: 112.299 ug/l
 RT: 12.50 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: VF060832.D
 Acq: 26 Nov 2018 19:57

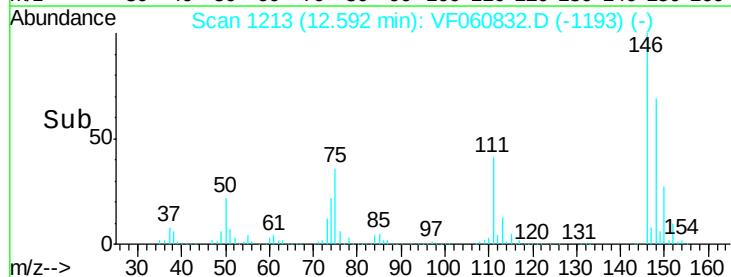
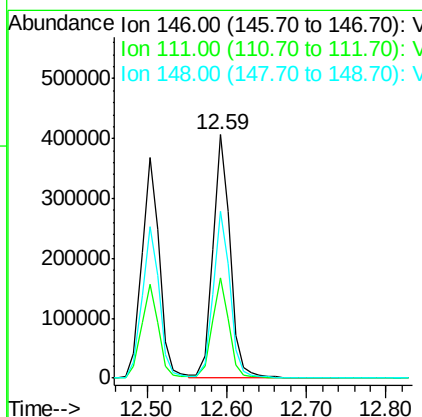
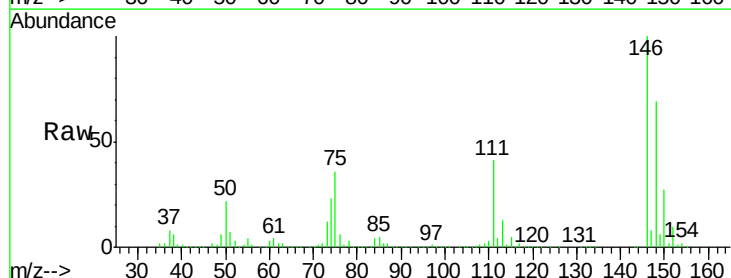
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

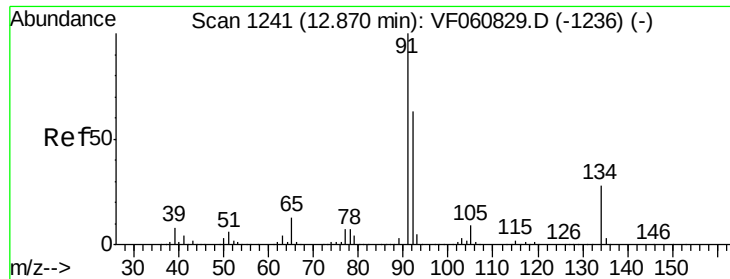
Tgt Ion:146 Resp: 566221
 Ion Ratio Lower Upper
 146 100
 111 42.5 20.0 59.9
 148 68.3 32.9 98.6



#88
 1,4-Dichlorobenzene
 Concen: 128.869 ug/l
 RT: 12.59 min Scan# 1213
 Delta R.T. -0.00 min
 Lab File: VF060832.D
 Acq: 26 Nov 2018 19:57

Tgt Ion:146 Resp: 622507
 Ion Ratio Lower Upper
 146 100
 111 41.0 18.9 56.7
 148 68.6 32.3 96.9

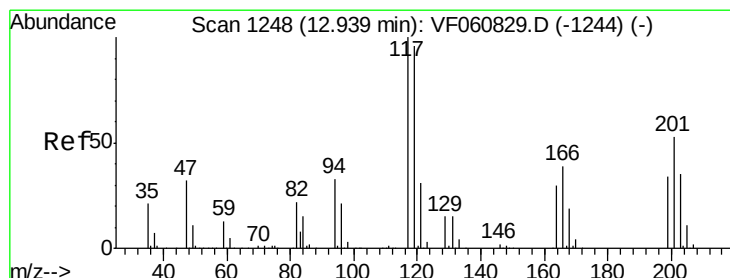
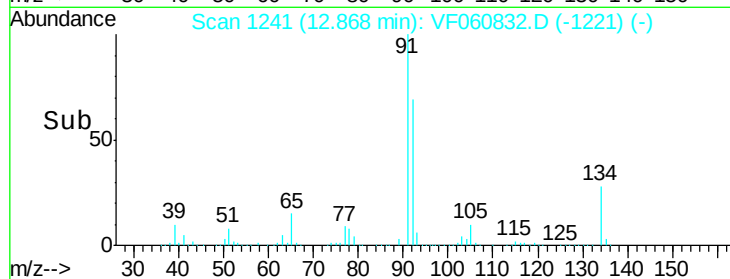
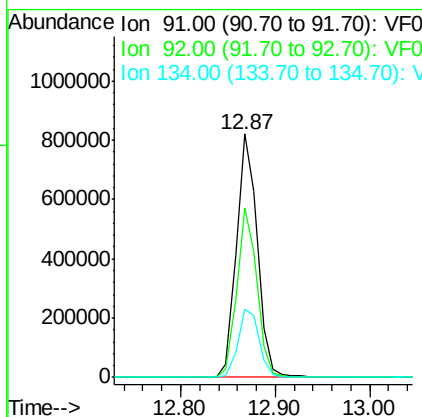
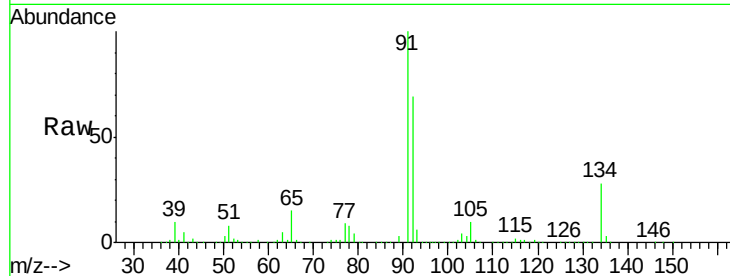




#89
n-Butylbenzene
Concen: 105.563 ug/l
RT: 12.87 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VF060832.D
Acq: 26 Nov 2018 19:57

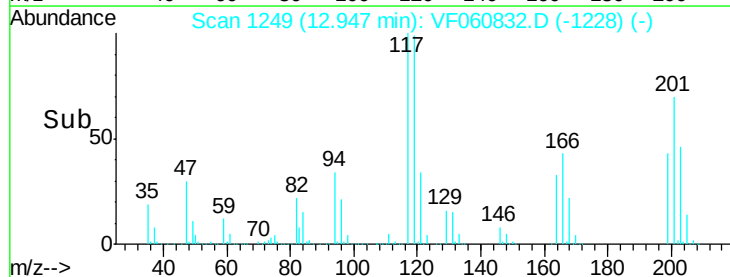
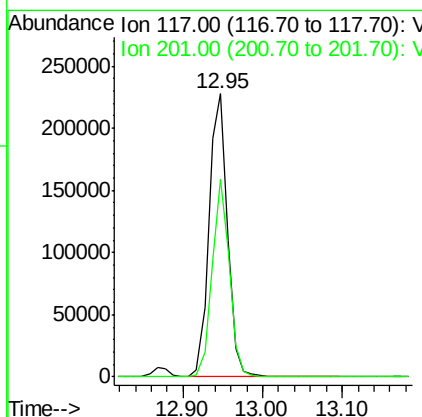
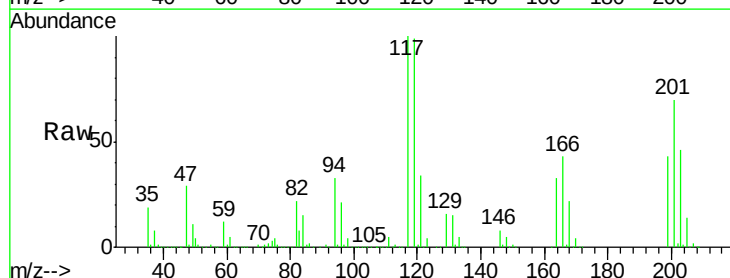
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

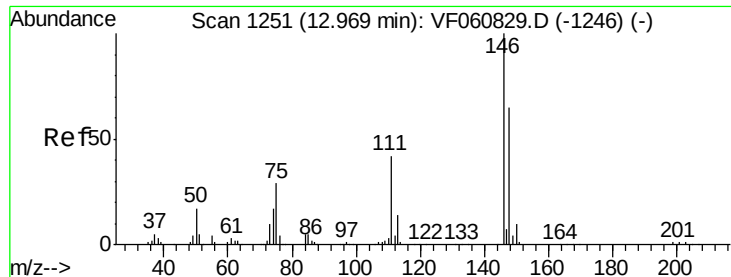
Tgt Ion: 91 Resp: 1256504
Ion Ratio Lower Upper
91 100
92 69.4 31.6 94.7
134 28.2 13.8 41.4



#90
Hexachloroethane
Concen: 131.057 ug/l
RT: 12.95 min Scan# 1249
Delta R.T. 0.01 min
Lab File: VF060832.D
Acq: 26 Nov 2018 19:57

Tgt Ion: 117 Resp: 368697
Ion Ratio Lower Upper
117 100
201 69.8 26.7 80.1

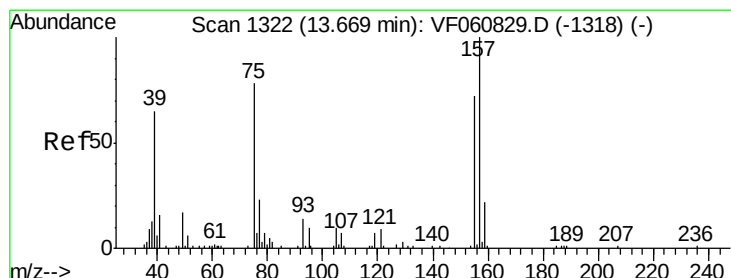
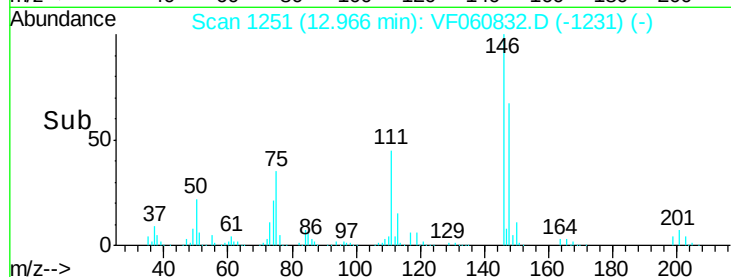
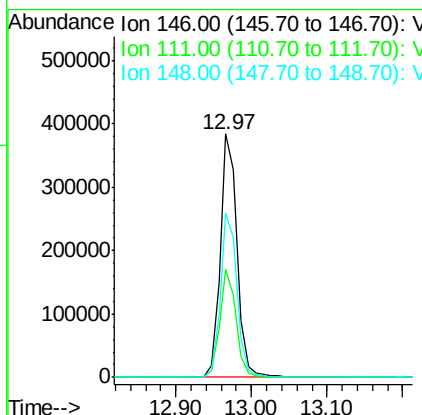
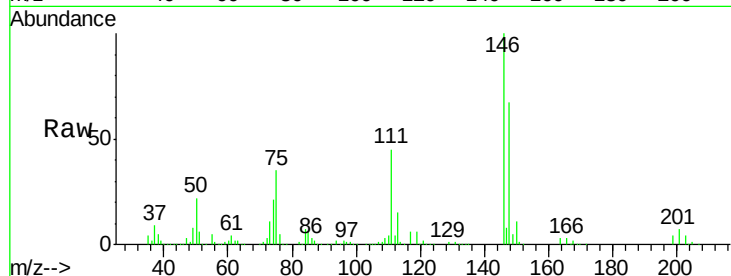




#91
 1,2-Dichlorobenzene
 Concen: 124.571 ug/l
 RT: 12.97 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VF060832.D
 Acq: 26 Nov 2018 19:57

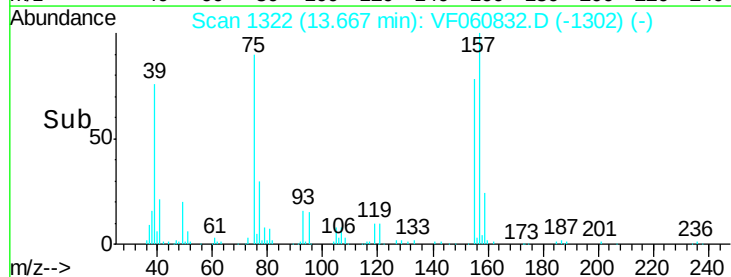
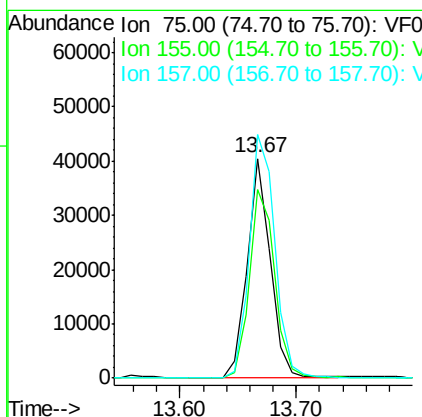
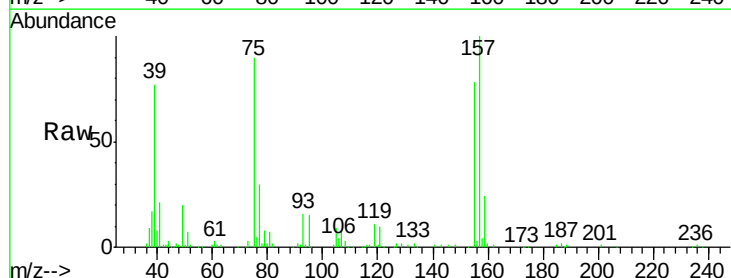
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

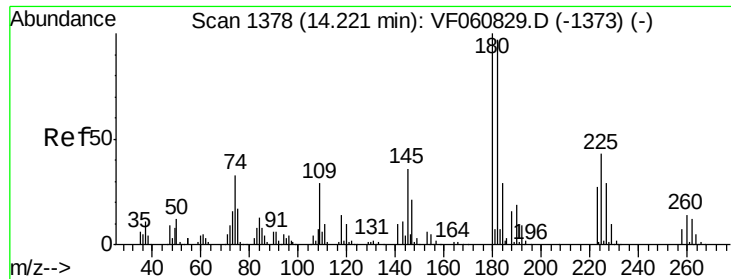
Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.6	21.2	63.6
148	67.4	32.5	97.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 149.603 ug/l
 RT: 13.67 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VF060832.D
 Acq: 26 Nov 2018 19:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.1	45.6	136.9
157	111.0	63.8	191.5

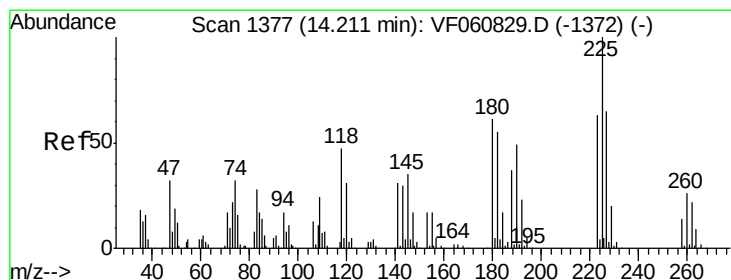
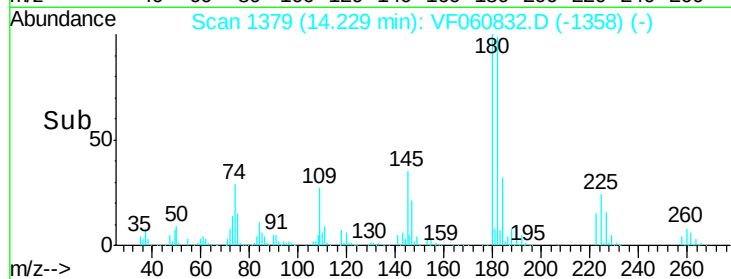
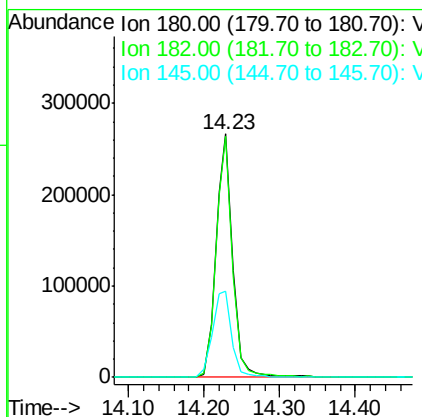
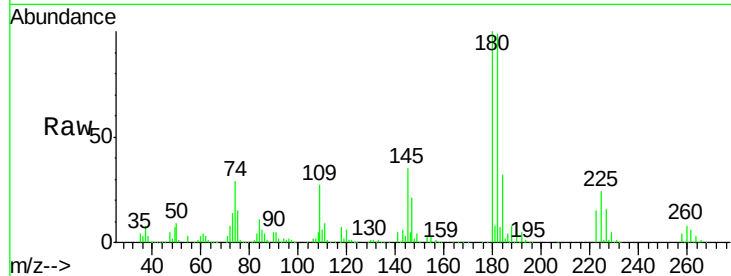




#93
 1,2,4-Trichlorobenzene
 Concen: 122.128 ug/l
 RT: 14.23 min Scan# 1379
 Delta R.T. 0.01 min
 Lab File: VF060832.D
 Acq: 26 Nov 2018 19:57

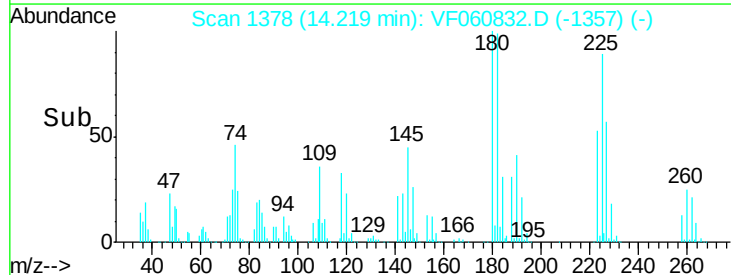
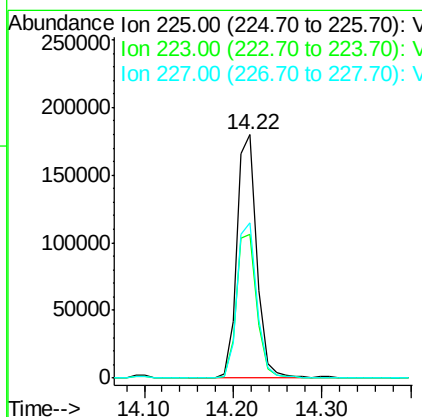
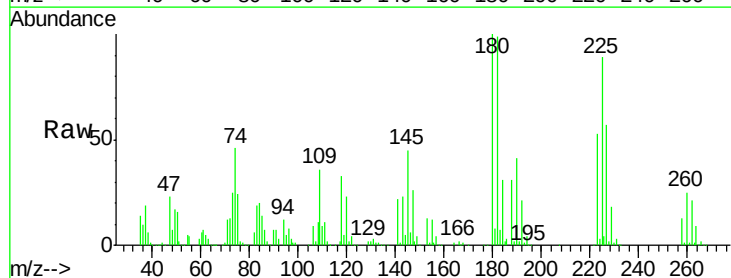
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

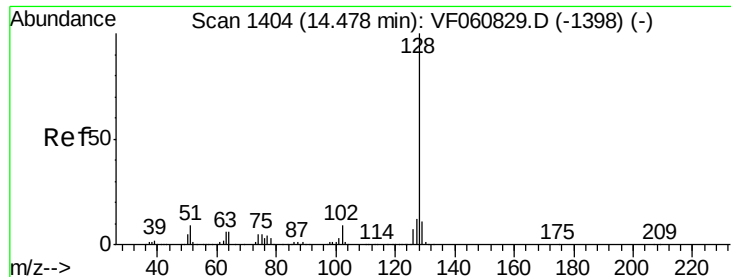
Tgt Ion:180 Resp: 413220
 Ion Ratio Lower Upper
 180 100
 182 98.9 48.5 145.5
 145 35.2 18.1 54.3



#94
 Hexachlorobutadiene
 Concen: 128.699 ug/l
 RT: 14.22 min Scan# 1378
 Delta R.T. 0.01 min
 Lab File: VF060832.D
 Acq: 26 Nov 2018 19:57

Tgt Ion:225 Resp: 282509
 Ion Ratio Lower Upper
 225 100
 223 59.2 31.4 94.3
 227 64.0 32.5 97.5

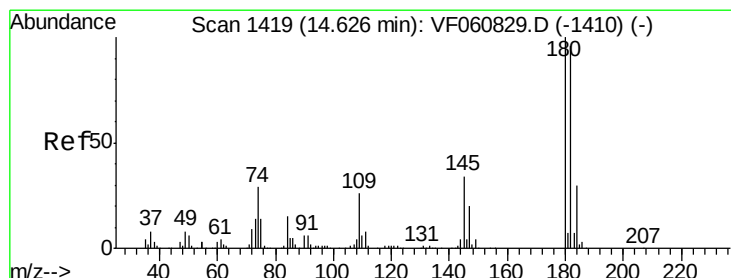
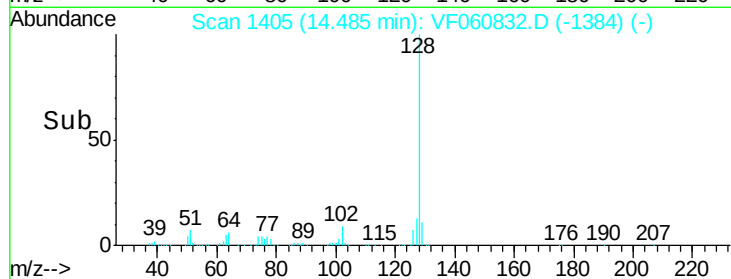
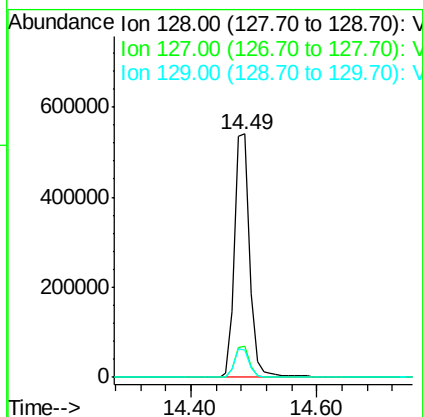
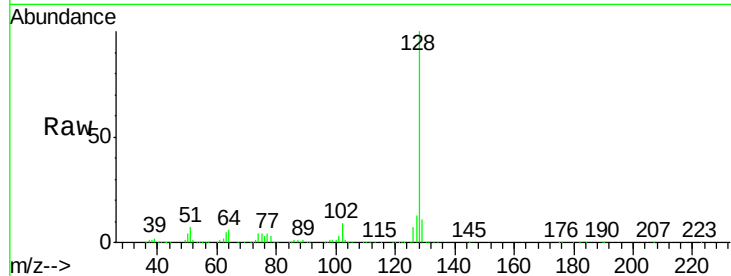




#95
Naphthalene
Concen: 144.391 ug/l
RT: 14.49 min Scan# 1405
Delta R.T. 0.01 min
Lab File: VF060832.D
Acq: 26 Nov 2018 19:57

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tgt Ion:128 Resp: 893626
Ion Ratio Lower Upper
128 100
127 12.6 9.9 14.9
129 11.3 9.1 13.7



#96
1,2,3-Trichlorobenzene
Concen: 137.463 ug/l
RT: 14.62 min Scan# 1419
Delta R.T. -0.00 min
Lab File: VF060832.D
Acq: 26 Nov 2018 19:57

Tgt Ion:180 Resp: 426107
Ion Ratio Lower Upper
180 100
182 99.1 47.9 143.8
145 37.1 17.2 51.5

