

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF112618\
 Data File : VF060826.D
 Acq On : 26 Nov 2018 17:04
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Quant Time: Nov 27 00:34:37 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	4.90	168	225087	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.63	114	345861	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.80	117	325718	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.57	152	177814	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.88	65	12783	4.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.80%	
35) Dibromofluoromethane	4.15	113	14827	5.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.10%	
50) Toluene-d8	7.58	98	41392	5.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.58%	
62) 4-Bromofluorobenzene	11.43	95	18784	5.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.38%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.97	85	16282	4.190	ug/l 93
3) Chloromethane	1.11	50	12376	5.188	ug/l 92
4) Vinyl Chloride	1.15	62	11162	5.145	ug/l # 73
5) Bromomethane	1.32	94	7538	5.366	ug/l # 63
6) Chloroethane	1.40	64	4681	5.514	ug/l 94
7) Trichlorofluoromethane	1.49	101	21128	4.426	ug/l 84
8) Diethyl Ether	1.64	74	3372	5.408	ug/l 88
9) 1,1,2-Trichlorotrifluoroet	1.84	101	11609	5.068	ug/l 92
10) Methyl Iodide	1.93	142	15746	4.315	ug/l # 87
11) Tert butyl alcohol	2.60	59	2670	23.196	ug/l # 24
12) 1,1-Dichloroethene	1.81	96	9636	5.284	ug/l 88
13) Acrolein	2.01	56	2763	25.387	ug/l 90
14) Allyl chloride	2.11	41	11046	3.480	ug/l 95
15) Acrylonitrile	2.97	53	6072	24.693	ug/l # 87
16) Acetone	2.26	43	12948	24.609	ug/l 97
17) Carbon Disulfide	1.85	76	21264	3.973	ug/l 97
18) Methyl Acetate	2.36	43	5807	6.608	ug/l 92
19) Methyl tert-butyl Ether	2.44	73	20162	4.686	ug/l 100
20) Methylene Chloride	2.20	84	3782	1.867	ug/l 94
21) trans-1,2-Dichloroethene	2.33	96	8142	4.384	ug/l 98
22) Diisopropyl ether	2.82	45	28071	4.572	ug/l # 91
23) Vinyl Acetate	3.21	43	62438	21.847	ug/l 97
24) 1,1-Dichloroethane	2.89	63	17368	4.627	ug/l 99
25) 2-Butanone	4.38	43	23401	26.367	ug/l # 89
26) 2,2-Dichloropropane	3.63	77	12437	4.356	ug/l 96
27) cis-1,2-Dichloroethene	3.50	96	15020	4.760	ug/l 82
28) Bromochloromethane	3.75	49	9146	4.827	ug/l # 93
29) Tetrahydrofuran	4.11	42	9619	26.230	ug/l 94
30) Chloroform	3.89	83	30499	5.193	ug/l 99
31) Cyclohexane	3.72	56	20322	4.620	ug/l # 91
32) 1,1,1-Trichloroethane	4.12	97	18608	4.036	ug/l # 86
36) 1,1-Dichloropropene	4.32	75	21040	5.272	ug/l 94
37) Ethyl Acetate	4.14	43	8782	5.832	ug/l # 88
38) Carbon Tetrachloride	4.02	117	17413	4.486	ug/l 89

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 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Quant Time: Nov 27 00:34:37 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)
39) Methylcyclohexane	5.49	83	21573	4.742	ug/l	93
40) Benzene	4.66	78	47209	5.320	ug/l	99
41) Methacrylonitrile	4.78	41	5768	6.396	ug/l #	75
42) 1,2-Dichloroethane	4.97	62	15610	4.989	ug/l	97
43) Isopropyl Acetate	6.97	43	14062	6.999	ug/l #	78
44) Trichloroethene	5.53	130	15331	5.411	ug/l	93
45) 1,2-Dichloropropane	6.27	63	10319	4.391	ug/l #	72
46) Dibromomethane	6.12	93	7440	4.831	ug/l	95
47) Bromodichloromethane	6.42	83	20491	5.219	ug/l	97
48) Methyl methacrylate	6.74	41	7712	5.737	ug/l	93
49) 1,4-Dioxane	6.73	88	951	77.524	ug/l #	71
51) 4-Methyl-2-Pentanone	8.29	43	37888	26.349	ug/l	99
52) Toluene	7.65	92	33510	5.626	ug/l	91
53) t-1,3-Dichloropropene	8.31	75	18247	5.732	ug/l	98
54) cis-1,3-Dichloropropene	7.34	75	19083	4.585	ug/l	90
55) 1,1,2-Trichloroethane	8.52	97	9768	5.686	ug/l	92
56) Ethyl methacrylate	8.65	69	9384	4.758	ug/l	95
57) 1,3-Dichloropropane	8.89	76	14516	4.792	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.32	63	5017	27.991	ug/l #	80
59) 2-Hexanone	9.53	43	27959	27.524	ug/l	89
60) Dibromochloromethane	8.75	129	13064	5.260	ug/l	96
61) 1,2-Dibromoethane	9.01	107	9154	5.049	ug/l	99
64) Tetrachloroethene	8.18	164	14074	5.626	ug/l	95
65) Chlorobenzene	9.82	112	33808	5.173	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.96	131	14326	5.119	ug/l	92
67) Ethyl Benzene	9.93	91	64810	5.295	ug/l	99
68) m/p-Xylenes	10.16	106	48307	11.082	ug/l	90
69) o-Xylene	10.74	106	25127	5.147	ug/l	83
70) Styrene	10.82	104	34756	5.214	ug/l	99
71) Bromoform	10.80	173	6108	4.804	ug/l	93
73) Isopropylbenzene	11.14	105	76789	5.389	ug/l	97
74) N-amyl acetate	11.39	43	16015	4.871	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.72	83	11197	4.769	ug/l	88
76) 1,2,3-Trichloropropane	11.81	75	9235	5.234	ug/l	91
77) Bromobenzene	11.52	156	15941	5.279	ug/l	80
78) n-propylbenzene	11.62	91	94179	5.594	ug/l	99
79) 2-Chlorotoluene	11.75	91	52975	5.475	ug/l	97
80) 1,3,5-Trimethylbenzene	11.84	105	63991	5.631	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.89	75	6067	7.092	ug/l #	84
82) 4-Chlorotoluene	11.92	91	58846	5.919	ug/l	100
83) tert-Butylbenzene	12.15	119	67120	5.647	ug/l	96
84) 1,2,4-Trimethylbenzene	12.23	105	64789	5.502	ug/l	99
85) sec-Butylbenzene	12.33	105	90476	5.566	ug/l	100
86) p-Isopropyltoluene	12.49	119	79354	5.880	ug/l	99
87) 1,3-Dichlorobenzene	12.50	146	34465	5.816	ug/l	97
88) 1,4-Dichlorobenzene	12.58	146	31650	5.575	ug/l	99
89) n-Butylbenzene	12.86	91	77311	5.527	ug/l	97
90) Hexachloroethane	12.94	117	17554	5.310	ug/l	96
91) 1,2-Dichlorobenzene	12.96	146	31152	5.546	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.66	75	2330	5.284	ug/l	53

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Data File : VF060826.D
Acq On : 26 Nov 2018 17:04
Operator : VA/AP
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC005

Quant Time: Nov 27 00:34:37 2018
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Quant Title : SW846 8260
QLast Update : Tue Nov 27 00:28:26 2018
Response via : Initial Calibration

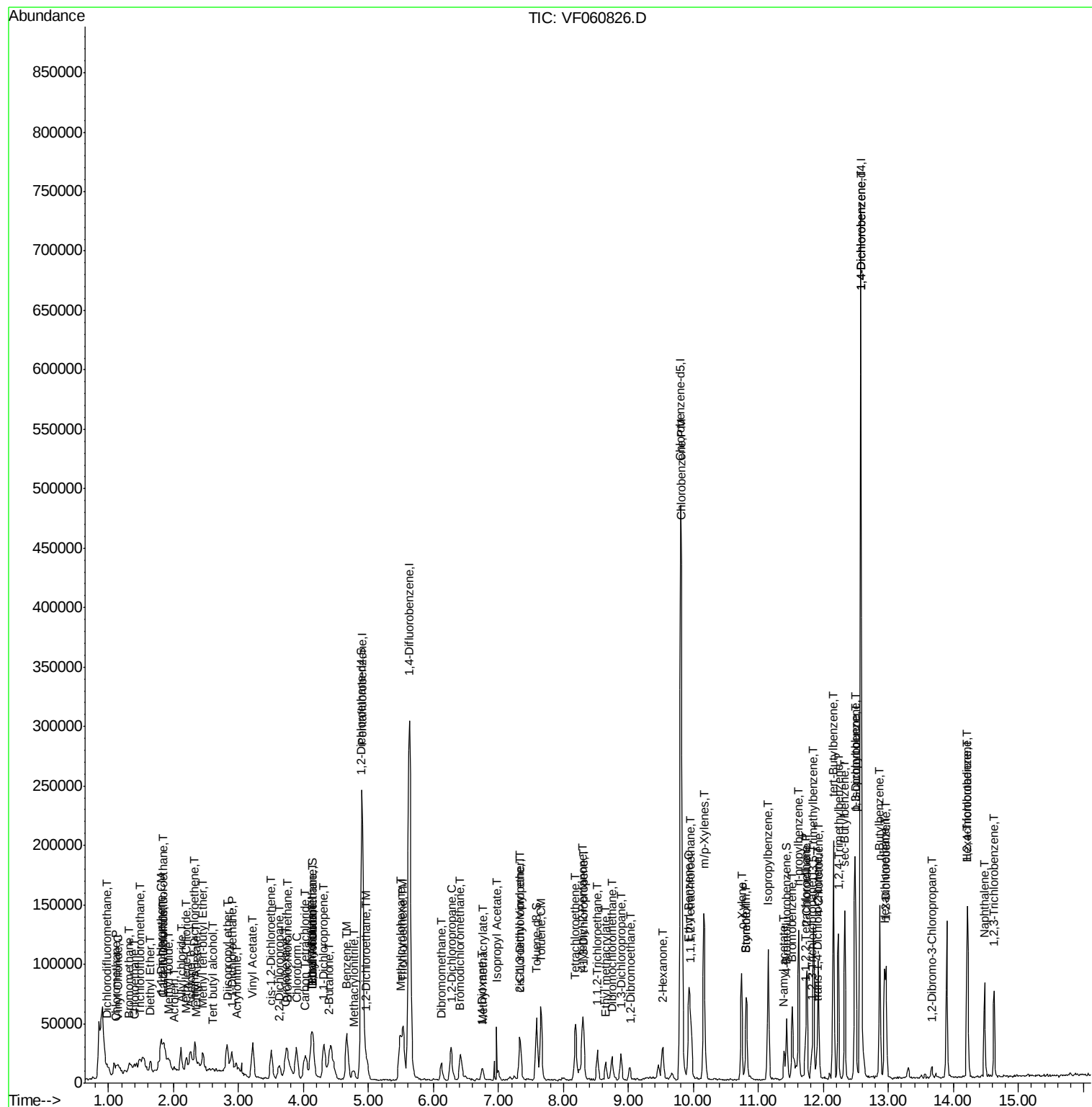
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	20884	5.252	ug/l	93
94) Hexachlorobutadiene	14.21	225	14394	5.580	ug/l	97
95) Naphthalene	14.48	128	56357	7.749	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	18656	5.121	ug/l	98

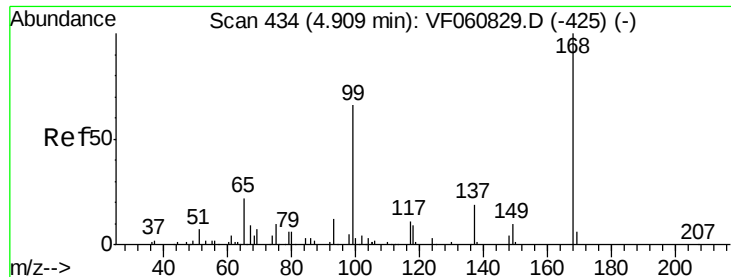
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF112618\
Data File : VF060826.D
Acq On : 26 Nov 2018 17:04
Operator : VA/AP
Sample : VSTDIC005
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Quant Time: Nov 27 00:34:37 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 27 00:28:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.90 min Scan# 433

Delta R.T. -0.01 min

Lab File: VF060826.D

Acq: 26 Nov 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

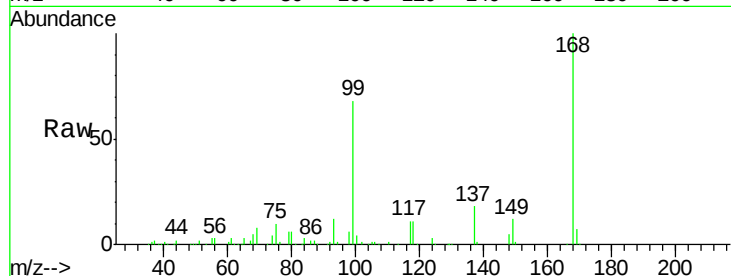
VSTDIC005

Tgt Ion:168 Resp: 225087

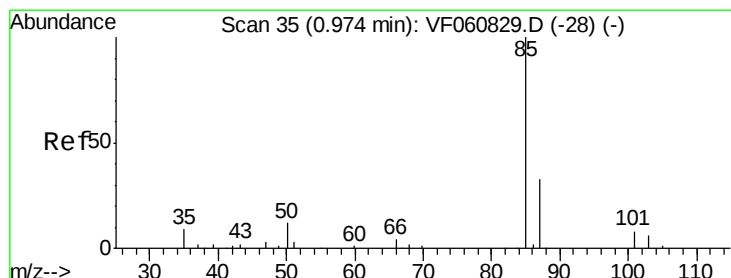
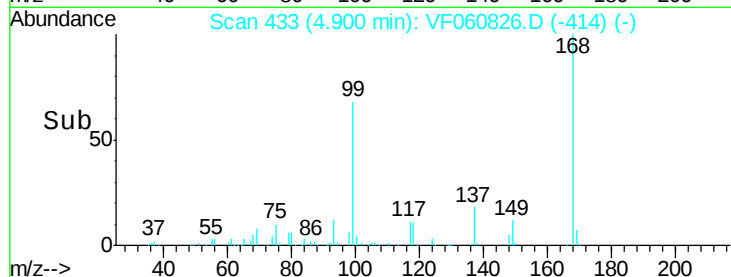
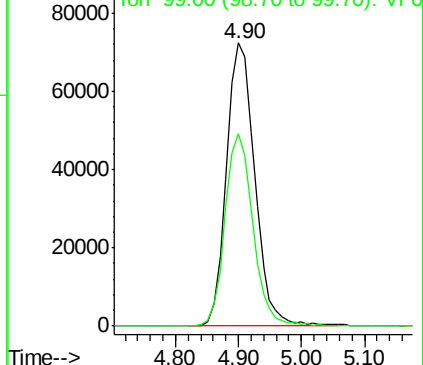
Ion Ratio Lower Upper

168 100

99 68.0 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 4.190 ug/l

RT: 0.97 min Scan# 35

Delta R.T. 0.00 min

Lab File: VF060826.D

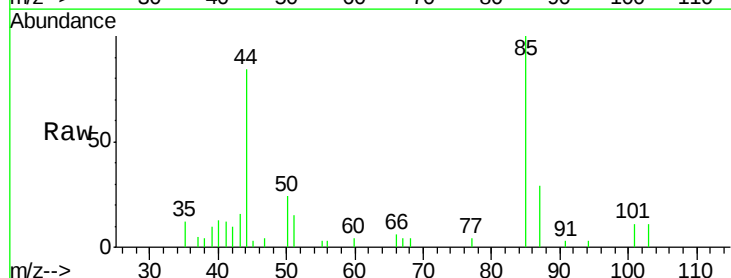
Acq: 26 Nov 2018 17:04

Tgt Ion: 85 Resp: 16282

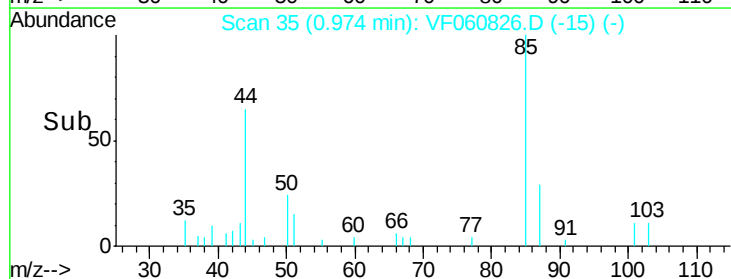
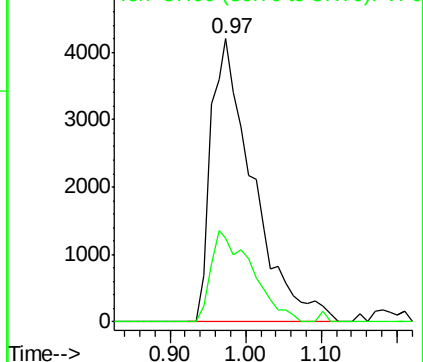
Ion Ratio Lower Upper

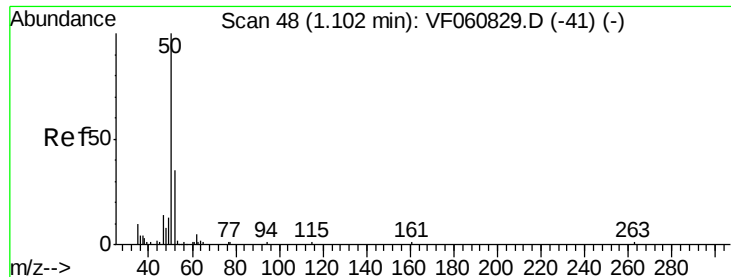
85 100

87 29.5 16.7 50.0



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 5.188 ug/l

RT: 1.11 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF060826.D

Acq: 26 Nov 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

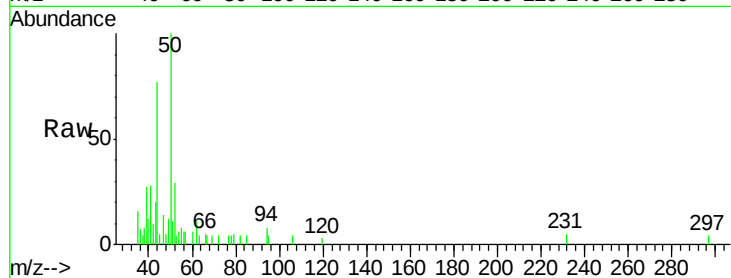
VSTDIC005

Tgt Ion: 50 Resp: 12376

Ion Ratio Lower Upper

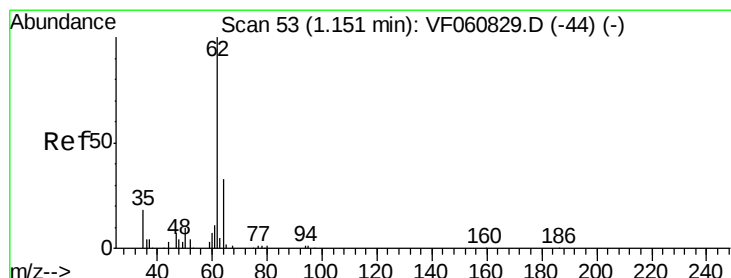
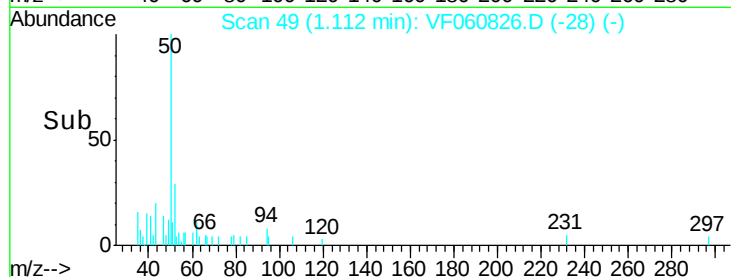
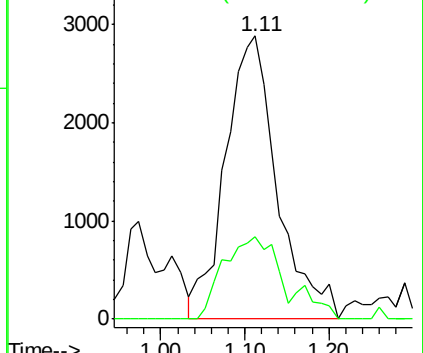
50 100

52 28.9 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: 5.145 ug/l

RT: 1.15 min Scan# 53

Delta R.T. 0.00 min

Lab File: VF060826.D

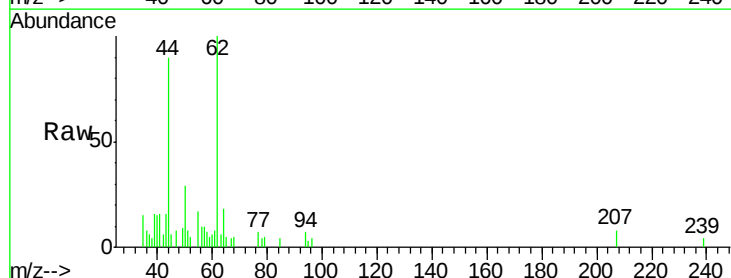
Acq: 26 Nov 2018 17:04

Tgt Ion: 62 Resp: 11162

Ion Ratio Lower Upper

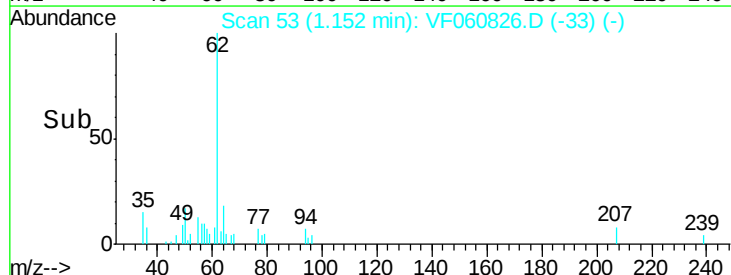
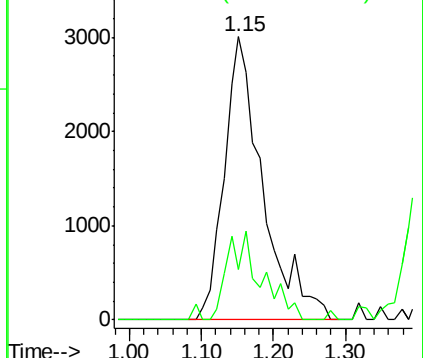
62 100

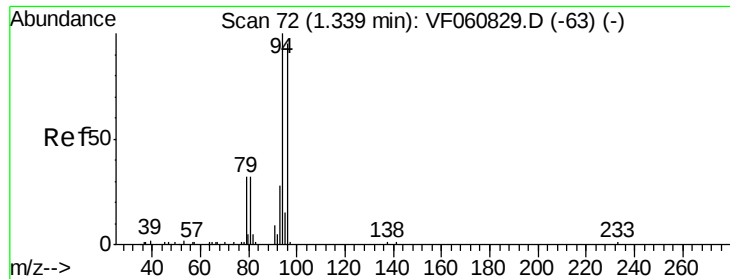
64 17.9 26.4 39.6#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 5.366 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.02 min

Lab File: VF060826.D

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Instrument :

MSVOA_F

ClientSampleId :

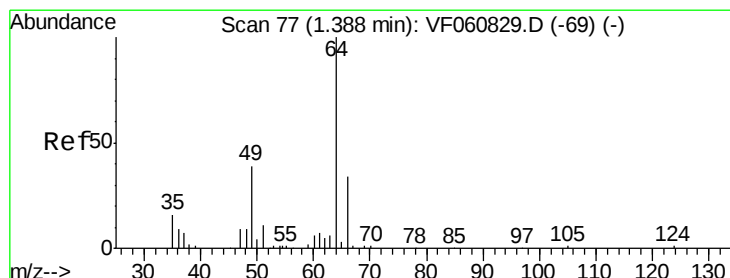
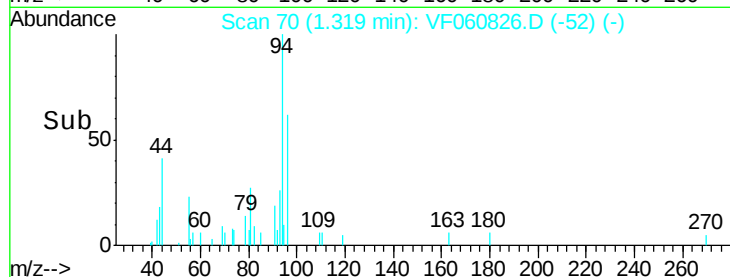
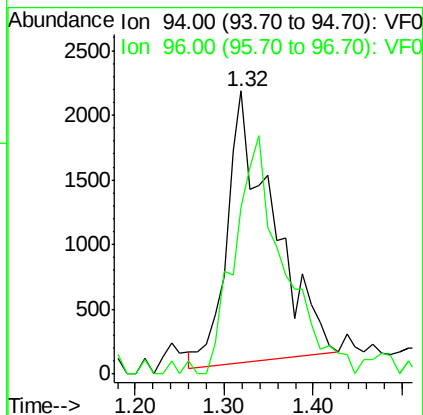
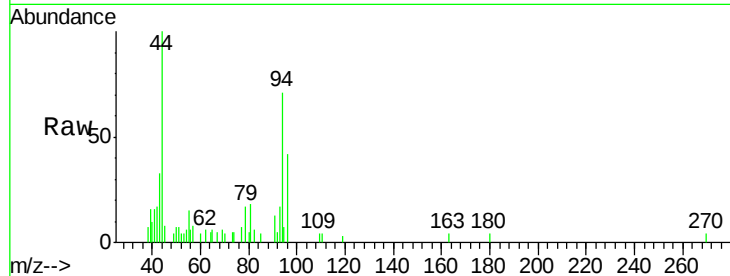
VSTDIC005

Tgt Ion: 94 Resp: 7538

Ion Ratio Lower Upper

94 100

96 59.0 75.9 113.9#



#6

Chloroethane

Concen: 5.514 ug/l

RT: 1.40 min Scan# 78

Delta R.T. 0.01 min

Lab File: VF060826.D

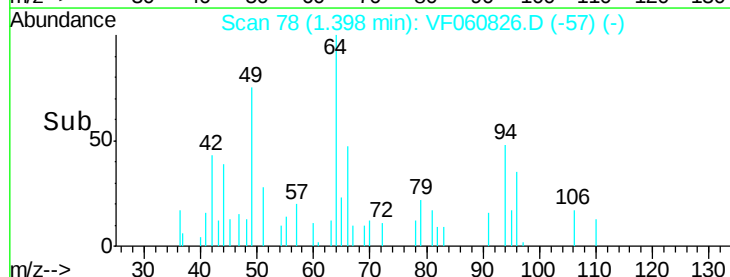
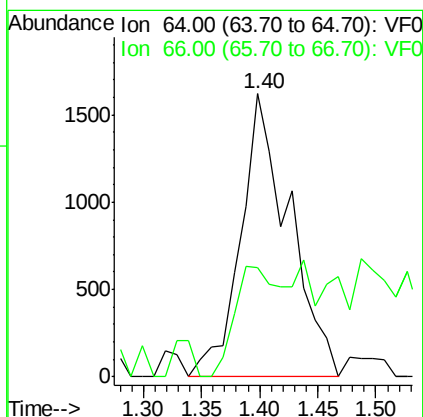
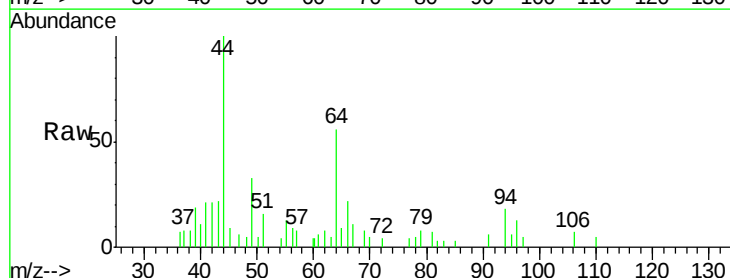
Acq: 26 Nov 2018 17:04

Tgt Ion: 64 Resp: 4681

Ion Ratio Lower Upper

64 100

66 38.6 28.1 42.1





#7

Trichlorofluoromethane

Concen: 4.426 ug/l

RT: 1.49 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF060826.D

Acq: 26 Nov 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

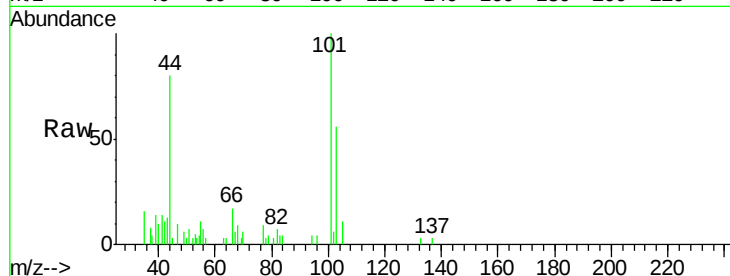
VSTDIC005

Tgt Ion: 101 Resp: 21128

Ion Ratio Lower Upper

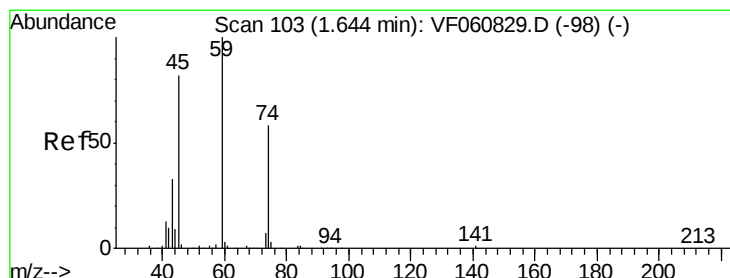
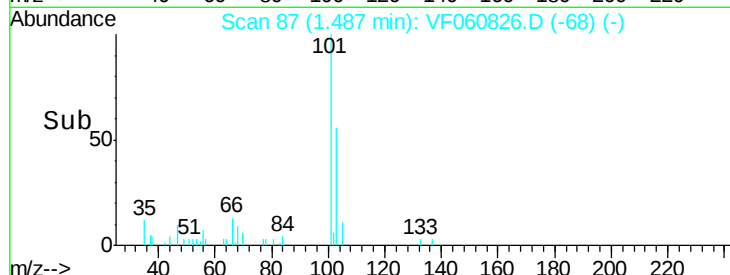
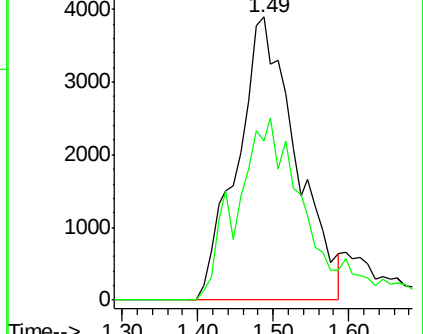
101 100

103 56.0 55.4 83.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 5.408 ug/l

RT: 1.64 min Scan# 103

Delta R.T. 0.00 min

Lab File: VF060826.D

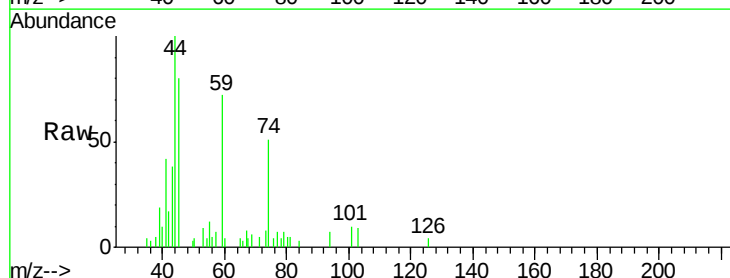
Acq: 26 Nov 2018 17:04

Tgt Ion: 74 Resp: 3372

Ion Ratio Lower Upper

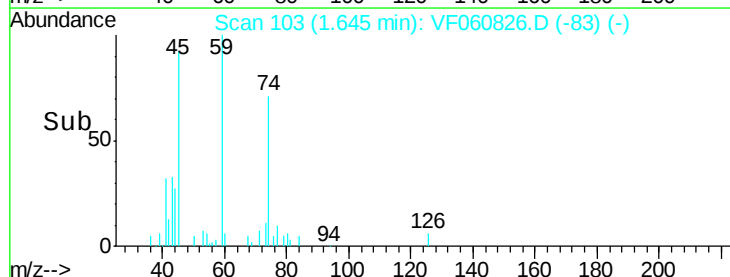
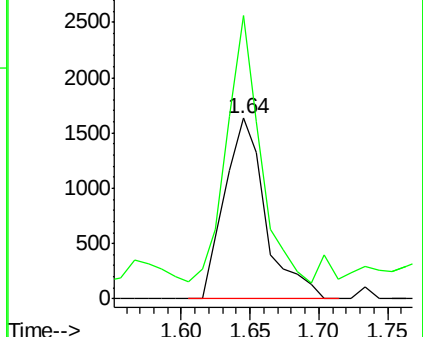
74 100

45 156.7 71.0 212.8



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.068 ug/l

RT: 1.84 min Scan# 123

Delta R.T. 0.01 min

Lab File: VF060826.D

Acq: 26 Nov 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

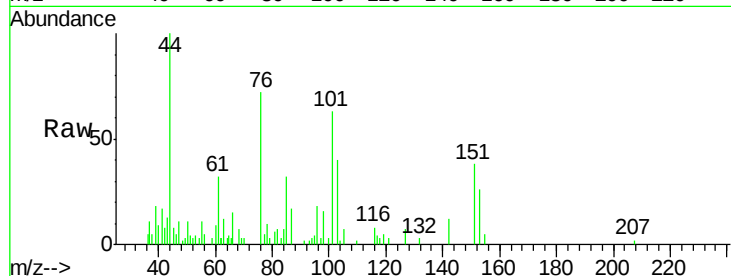
Tgt Ion:101 Resp: 11609

Ion Ratio Lower Upper

101 100

85 50.5 42.8 64.2

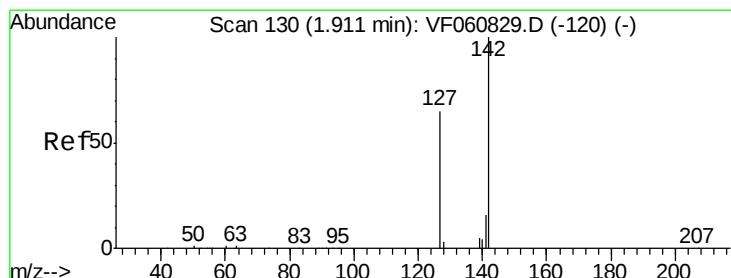
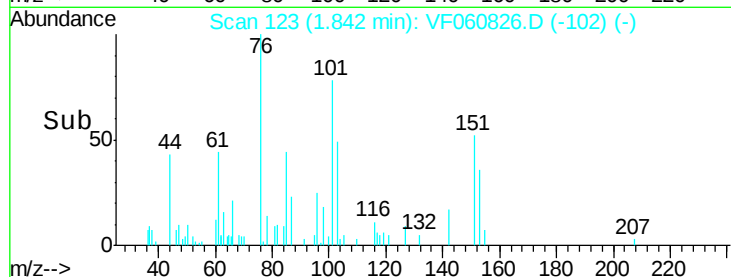
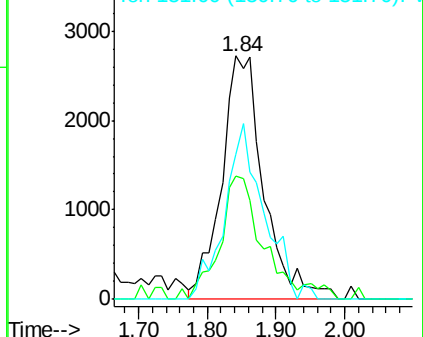
151 59.6 54.4 81.6



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: 4.315 ug/l

RT: 1.93 min Scan# 132

Delta R.T. 0.02 min

Lab File: VF060826.D

Acq: 26 Nov 2018 17:04

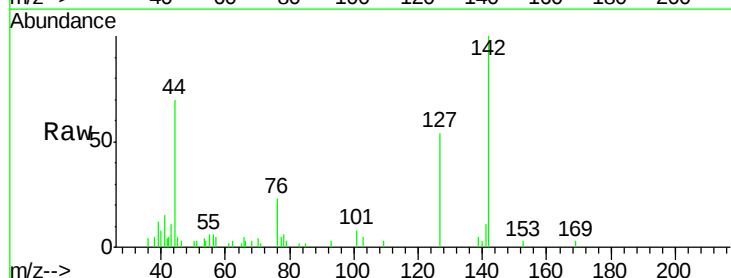
Tgt Ion:142 Resp: 15746

Ion Ratio Lower Upper

142 100

127 54.5 51.9 77.9

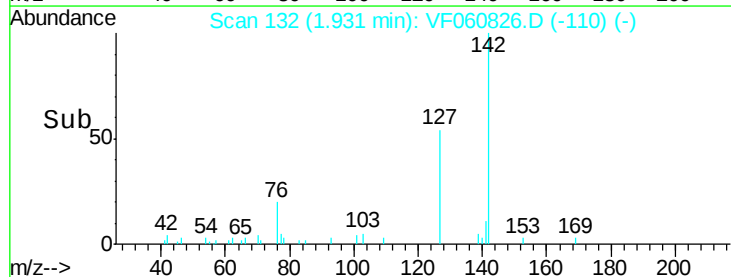
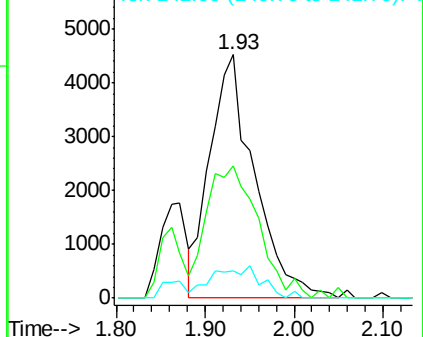
141 11.1 12.7 19.1#

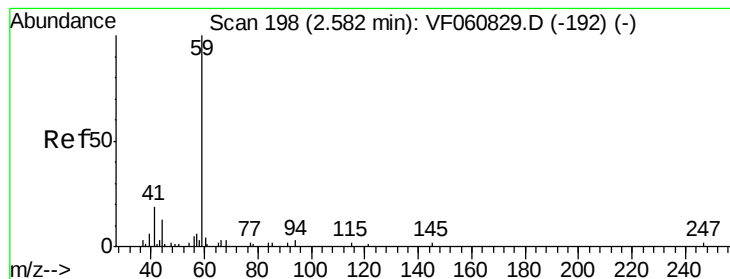


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V





#11

Tert butyl alcohol

Concen: 23.196 ug/l

RT: 2.60 min Scan# 200

Delta R.T. 0.02 min

Lab File: VF060826.D

Acq: 26 Nov 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

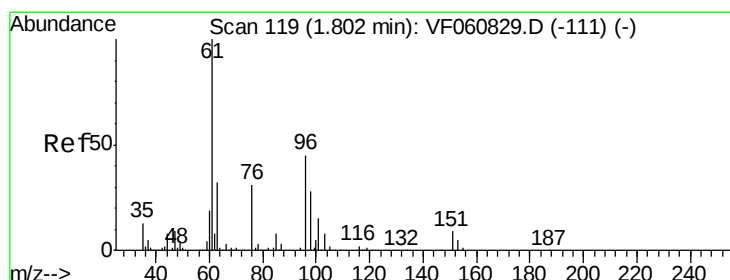
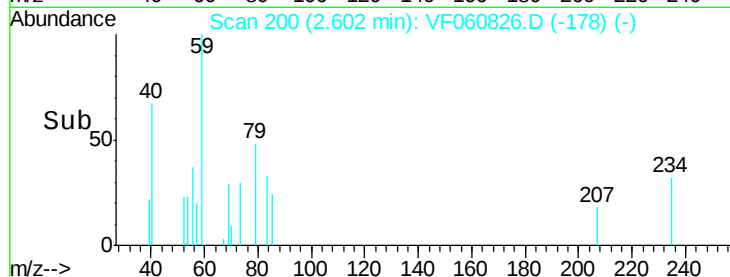
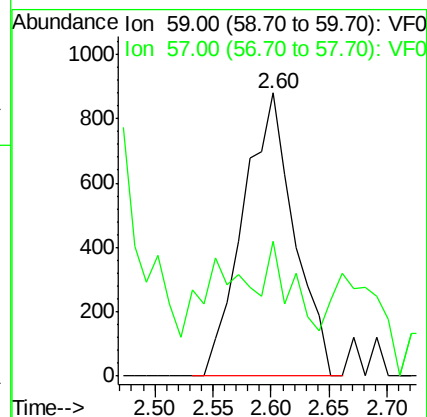
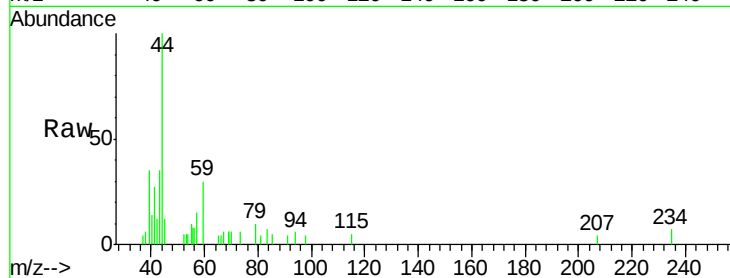
VSTDIC005

Tgt Ion: 59 Resp: 2670

Ion Ratio Lower Upper

59 100

57 47.9 12.7 19.1#



#12

1,1-Dichloroethene

Concen: 5.284 ug/l

RT: 1.81 min Scan# 120

Delta R.T. 0.01 min

Lab File: VF060826.D

Acq: 26 Nov 2018 17:04

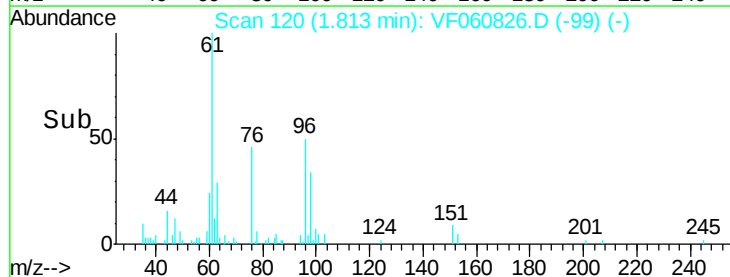
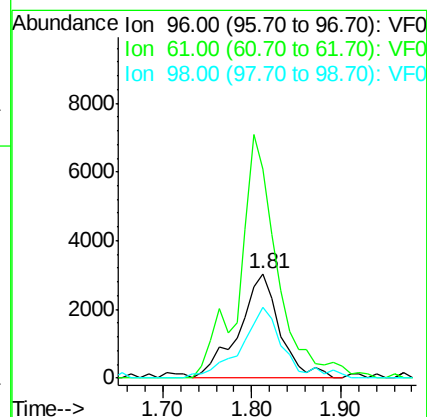
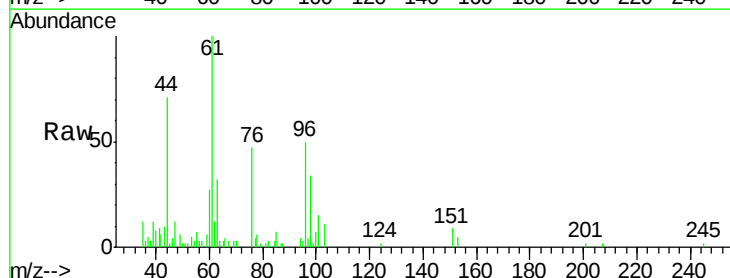
Tgt Ion: 96 Resp: 9636

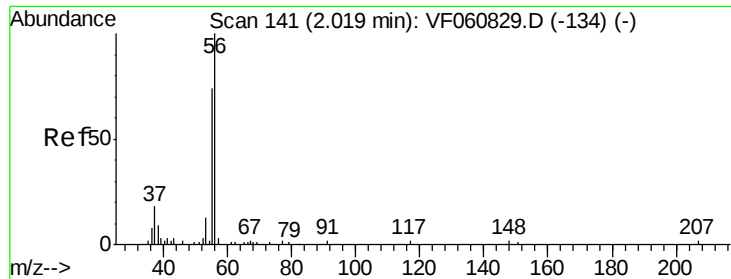
Ion Ratio Lower Upper

96 100

61 200.1 177.3 265.9

98 67.1 49.6 74.4





#13

Acrolein

Concen: 25.387 ug/l

RT: 2.01 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF060826.D

Acq: 26 Nov 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

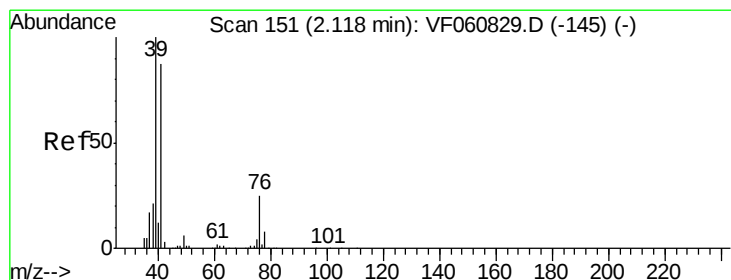
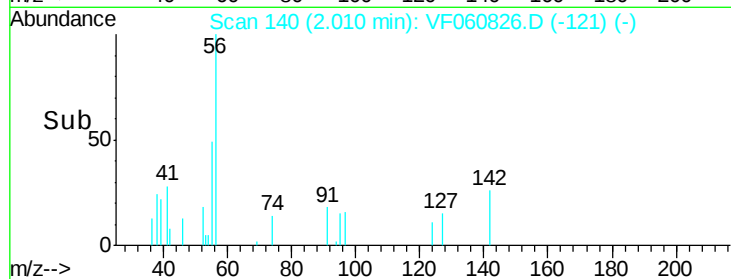
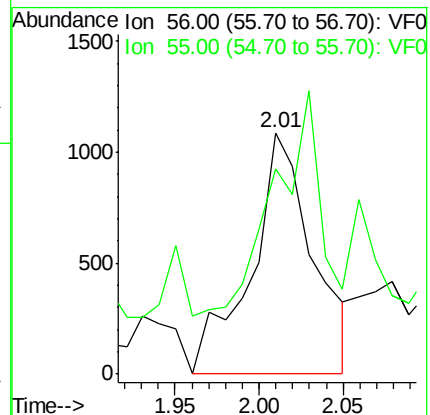
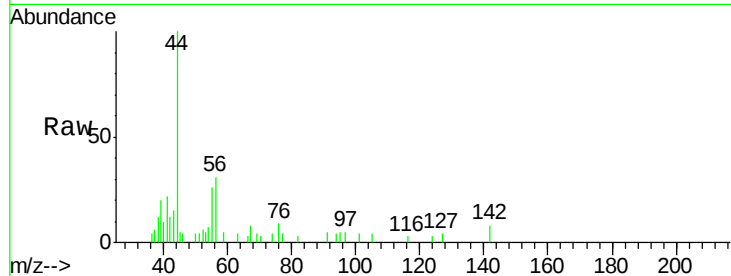
VSTDIC005

Tgt Ion: 56 Resp: 2763

Ion Ratio Lower Upper

56 100

55 85.4 61.2 91.8



#14

Allyl chloride

Concen: 3.480 ug/l

RT: 2.11 min Scan# 150

Delta R.T. -0.01 min

Lab File: VF060826.D

Acq: 26 Nov 2018 17:04

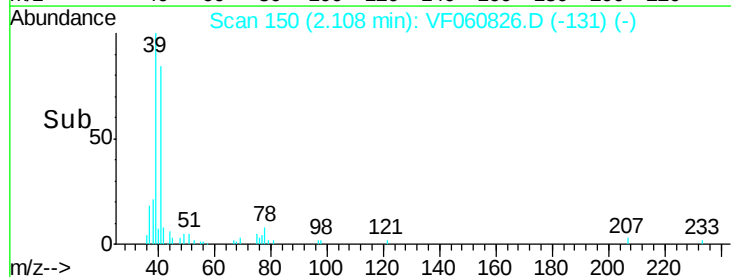
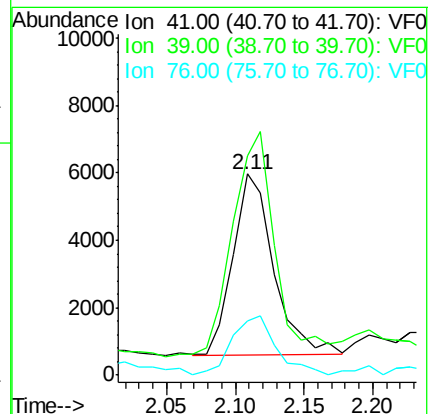
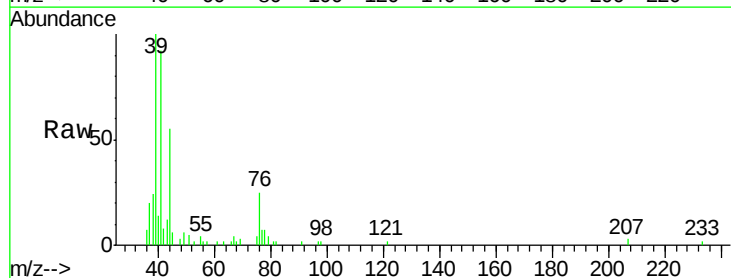
Tgt Ion: 41 Resp: 11046

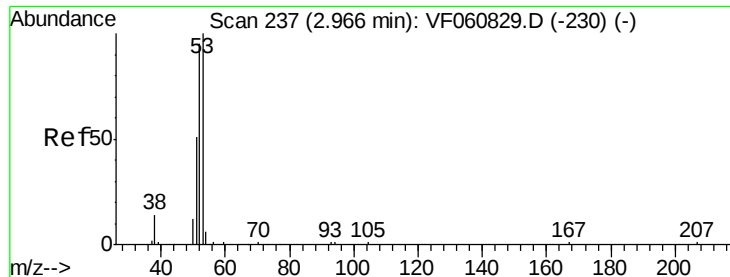
Ion Ratio Lower Upper

41 100

39 109.3 91.7 137.5

76 27.0 23.5 35.3





#15

Acrylonitrile

Concen: 24.693 ug/l

RT: 2.97 min Scan# 237

Delta R.T. 0.00 min

Lab File: VF060826.D

Acq: 26 Nov 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

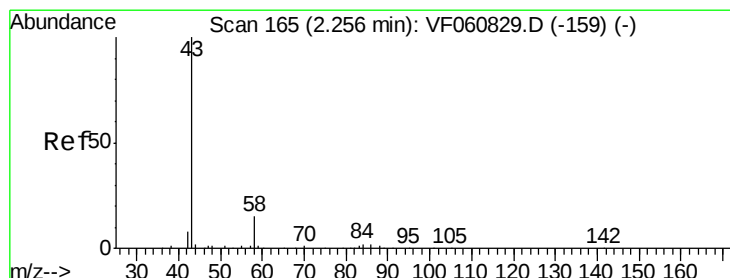
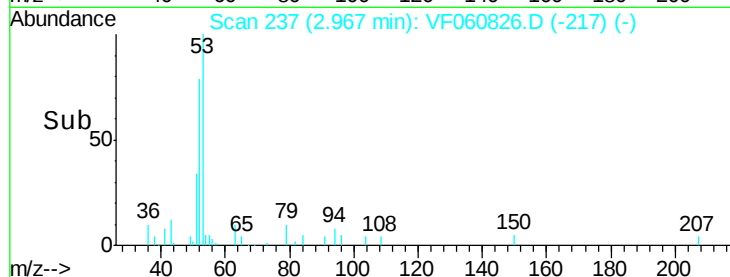
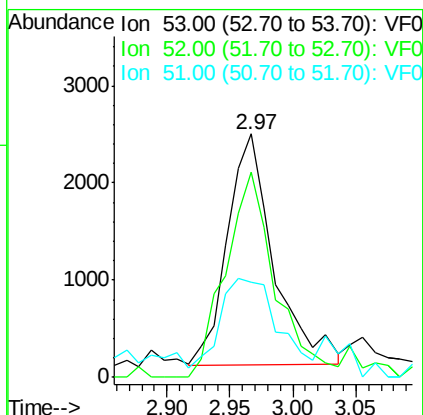
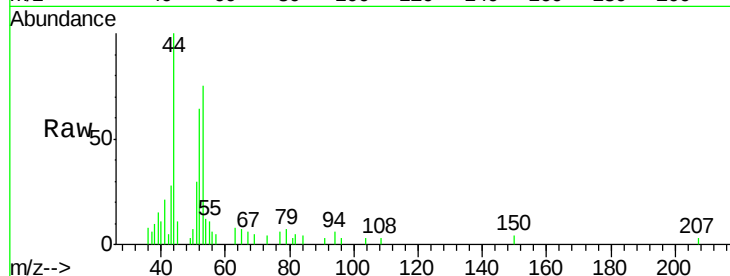
Tgt Ion: 53 Resp: 6072

Ion Ratio Lower Upper

53 100

52 84.5 76.5 114.7

51 39.2 40.7 61.1#



#16

Acetone

Concen: 24.609 ug/l

RT: 2.26 min Scan# 165

Delta R.T. 0.00 min

Lab File: VF060826.D

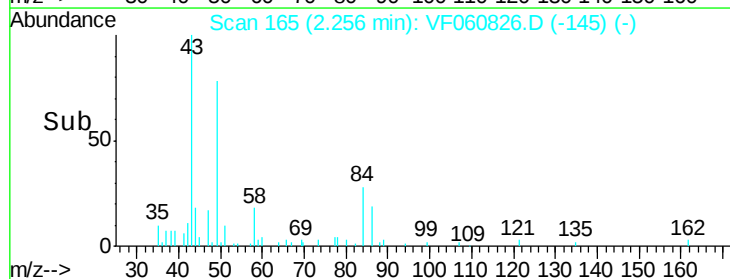
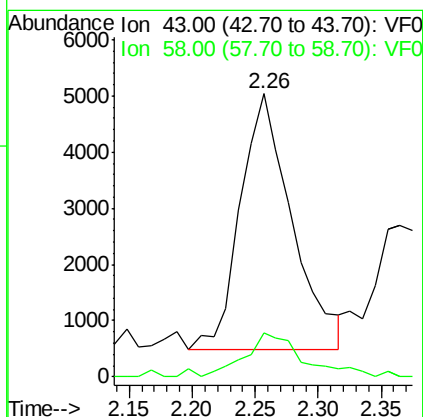
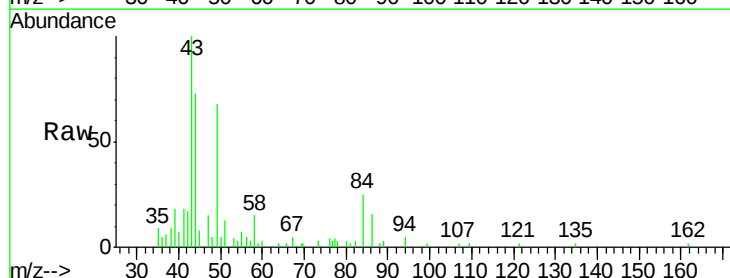
Acq: 26 Nov 2018 17:04

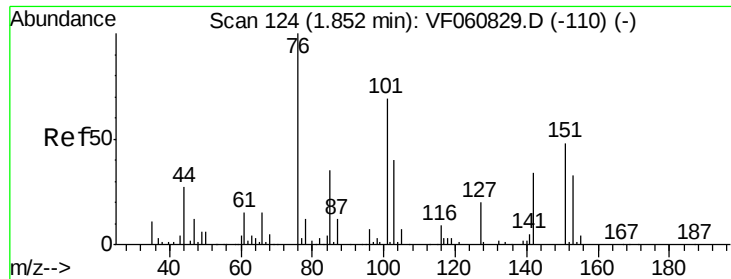
Tgt Ion: 43 Resp: 12948

Ion Ratio Lower Upper

43 100

58 15.3 11.4 17.2

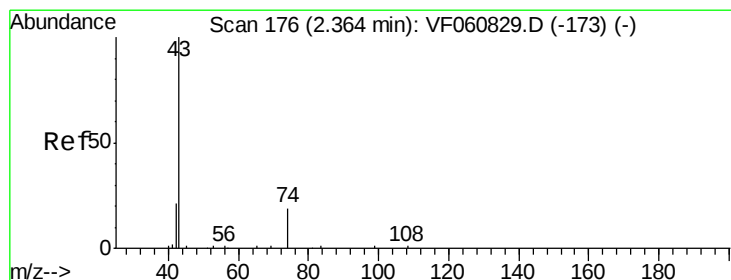
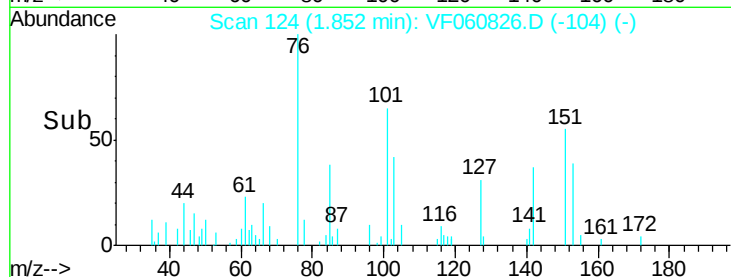
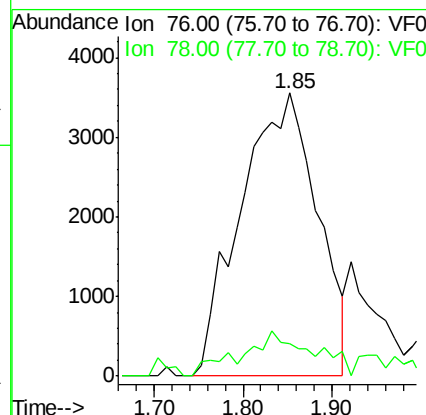
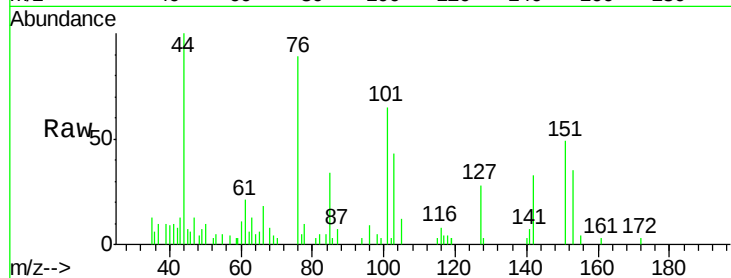




#17
Carbon Disulfide
Concen: 3.973 ug/l
RT: 1.85 min Scan# 124
Delta R.T. 0.00 min
Lab File: VF060826.D
Acq: 26 Nov 2018 17:04

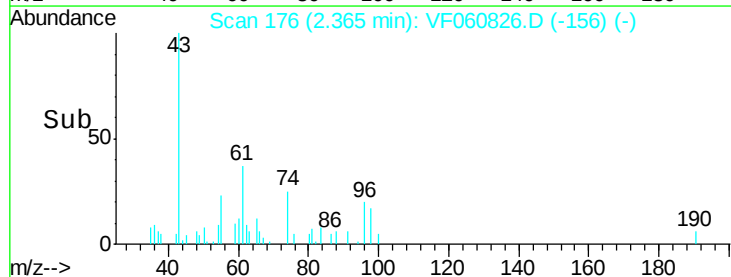
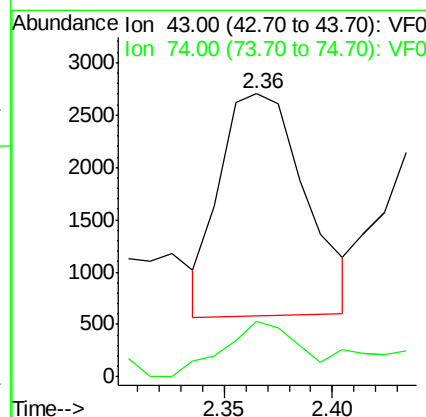
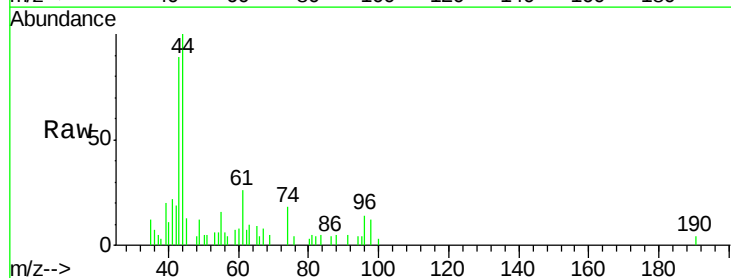
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

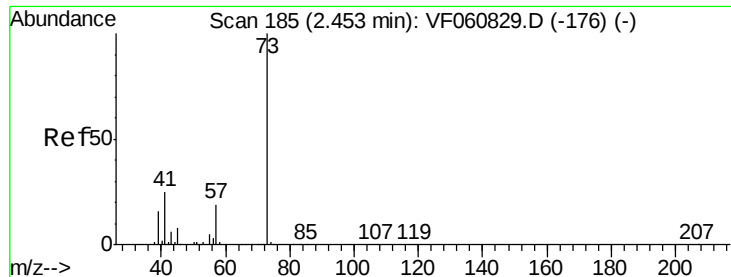
Tgt Ion: 76 Resp: 21264
Ion Ratio Lower Upper
76 100
78 11.6 10.2 15.2



#18
Methyl Acetate
Concen: 6.608 ug/l
RT: 2.36 min Scan# 176
Delta R.T. 0.00 min
Lab File: VF060826.D
Acq: 26 Nov 2018 17:04

Tgt Ion: 43 Resp: 5807
Ion Ratio Lower Upper
43 100
74 19.8 13.3 19.9

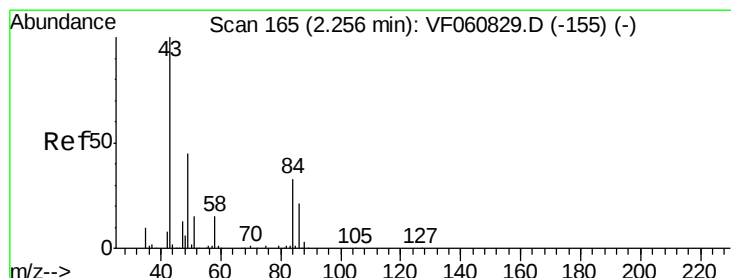
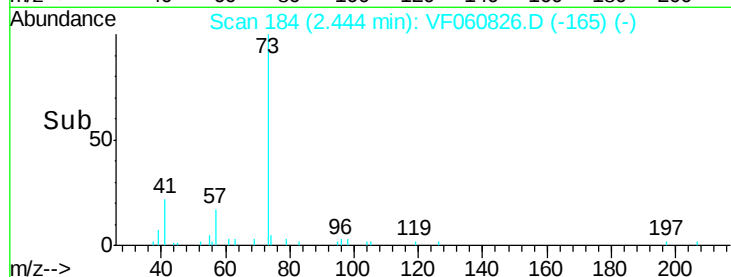
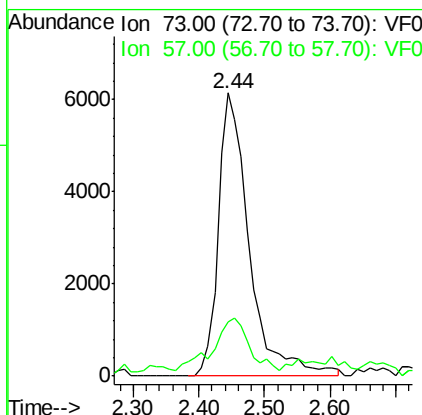
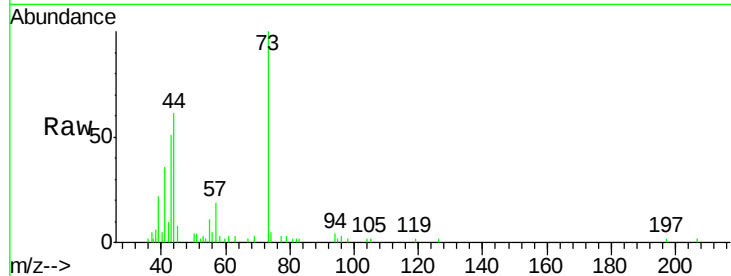




#19
Methyl tert-butyl Ether
Concen: 4.686 ug/l
RT: 2.44 min Scan# 184
Delta R.T. -0.01 min
Lab File: VF060826.D
Acq: 26 Nov 2018 17:04

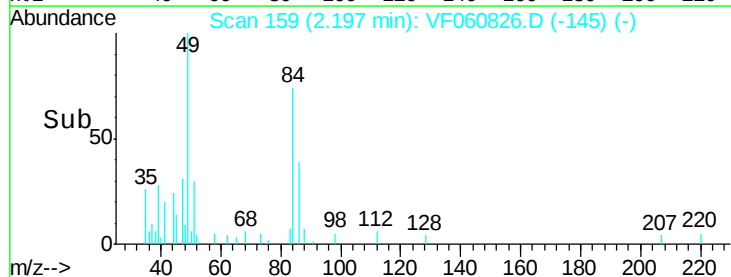
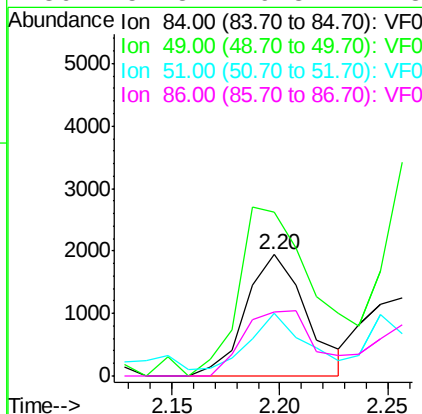
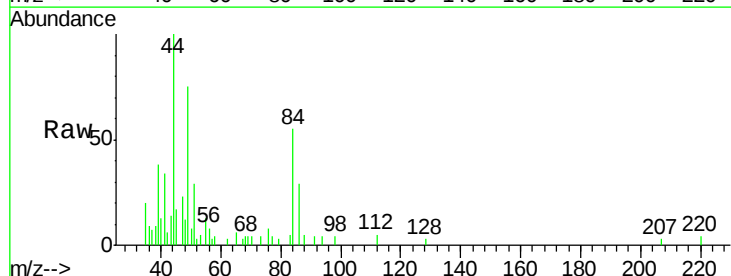
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

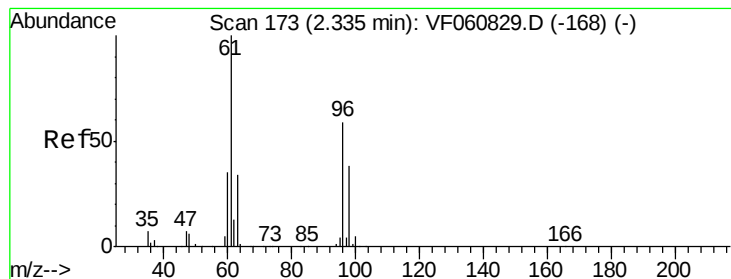
Tgt Ion: 73 Resp: 20162
Ion Ratio Lower Upper
73 100
57 19.2 15.3 22.9



#20
Methylene Chloride
Concen: 1.867 ug/l
RT: 2.20 min Scan# 159
Delta R.T. -0.06 min
Lab File: VF060826.D
Acq: 26 Nov 2018 17:04

Tgt Ion: 84 Resp: 3782
Ion Ratio Lower Upper
84 100
49 135.8 111.3 166.9
51 52.1 38.0 57.0
86 52.8 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 4.384 ug/l

RT: 2.33 min Scan# 172

Delta R.T. -0.01 min

Lab File: VF060826.D

Acq: 26 Nov 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

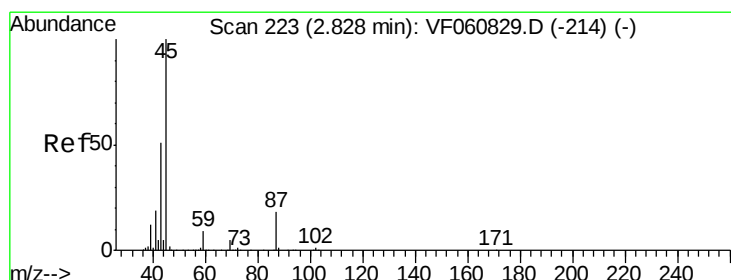
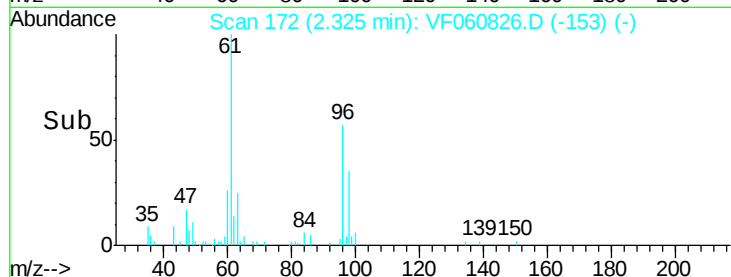
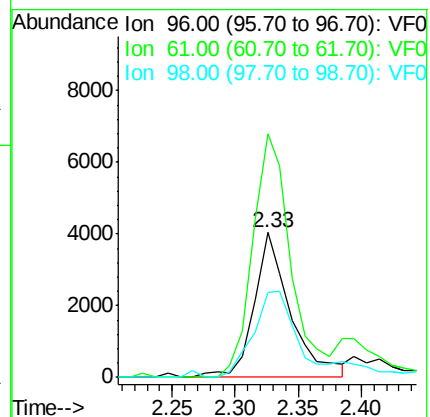
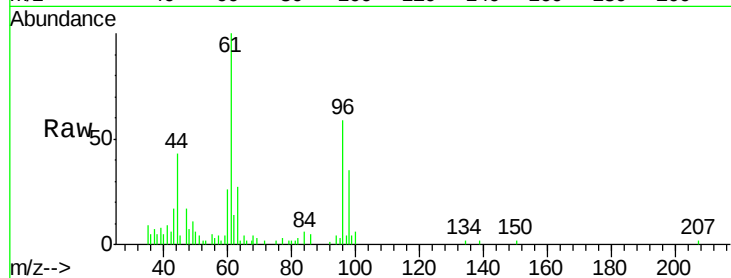
Tgt Ion: 96 Resp: 8142

Ion Ratio Lower Upper

96 100

61 168.1 134.5 201.7

98 58.3 51.6 77.4



#22

Diisopropyl ether

Concen: 4.572 ug/l

RT: 2.82 min Scan# 222

Delta R.T. -0.01 min

Lab File: VF060826.D

Acq: 26 Nov 2018 17:04

Tgt Ion: 45 Resp: 28071

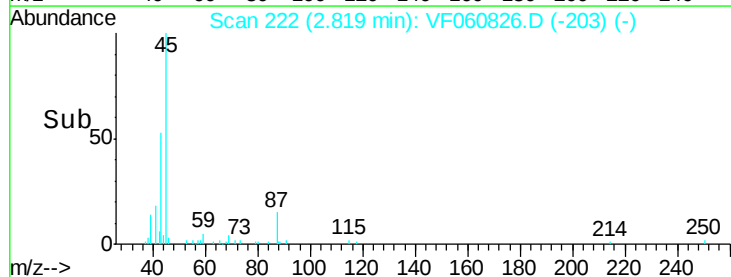
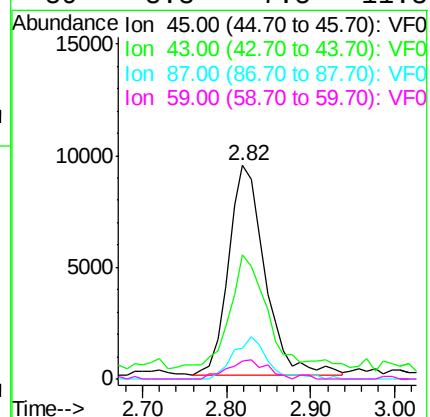
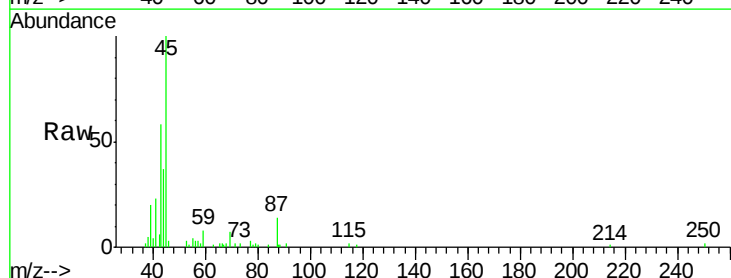
Ion Ratio Lower Upper

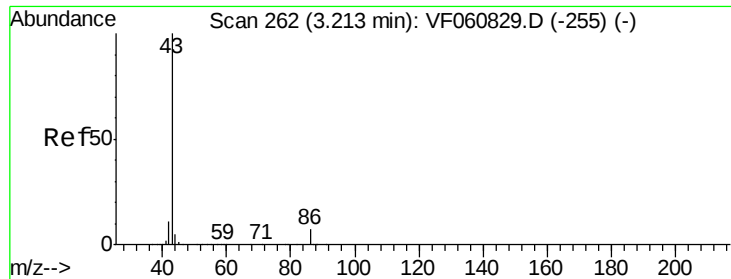
45 100

43 58.1 41.0 61.6

87 14.2 14.6 22.0#

59 8.3 7.5 11.3





#23

Vinyl Acetate

Concen: 21.847 ug/l

RT: 3.21 min Scan# 262

Delta R.T. 0.00 min

Lab File: VF060826.D

Acq: 26 Nov 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

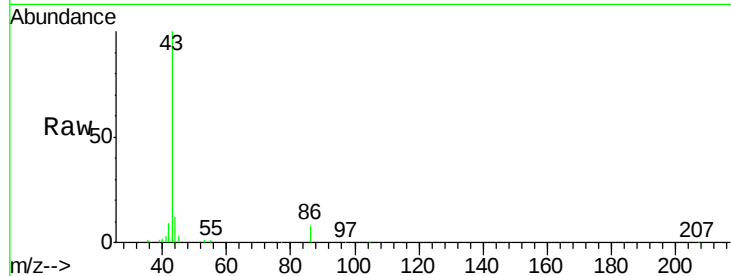
VSTDIC005

Tgt Ion: 43 Resp: 62438

Ion Ratio Lower Upper

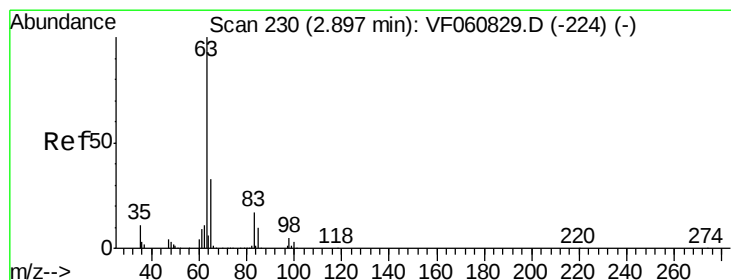
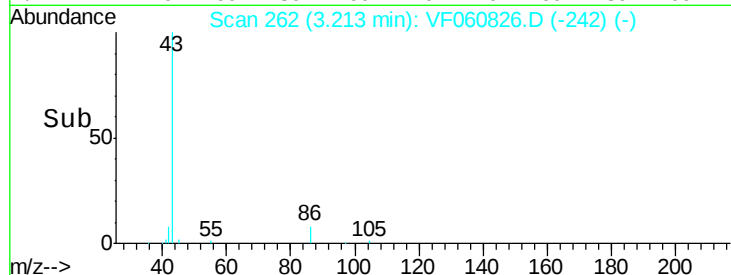
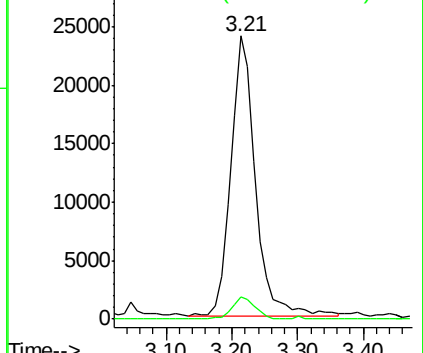
43 100

86 7.7 5.4 8.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 4.627 ug/l

RT: 2.89 min Scan# 229

Delta R.T. -0.01 min

Lab File: VF060826.D

Acq: 26 Nov 2018 17:04

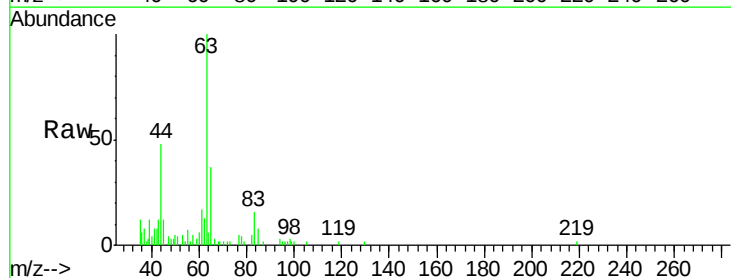
Tgt Ion: 63 Resp: 17368

Ion Ratio Lower Upper

63 100

98 5.3 2.7 8.1

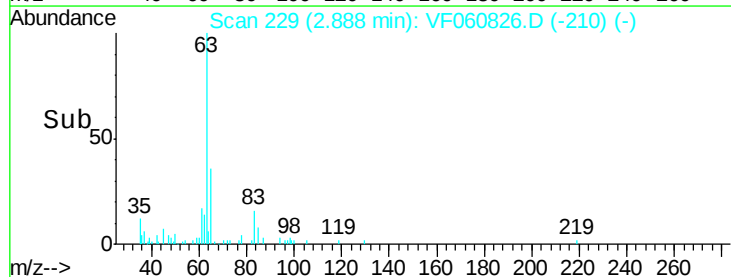
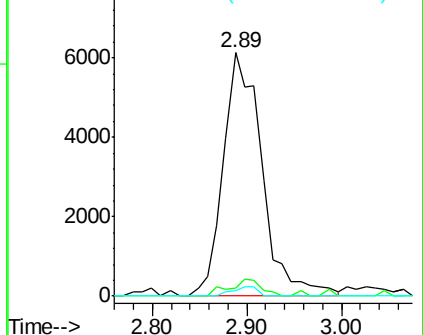
100 2.2 1.5 4.5

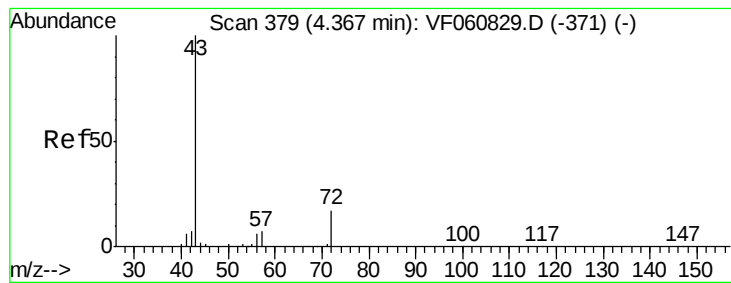


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 26.367 ug/l

RT: 4.38 min Scan# 380

Delta R.T. 0.01 min

Lab File: VF060826.D

Acq: 26 Nov 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

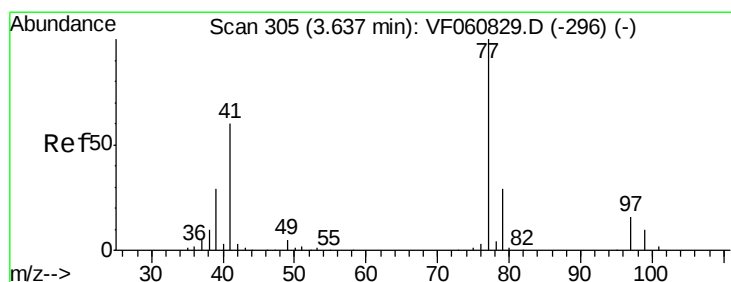
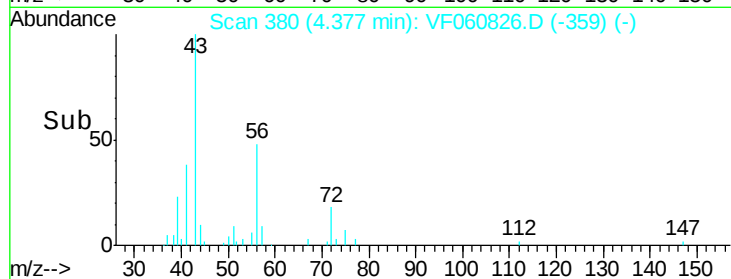
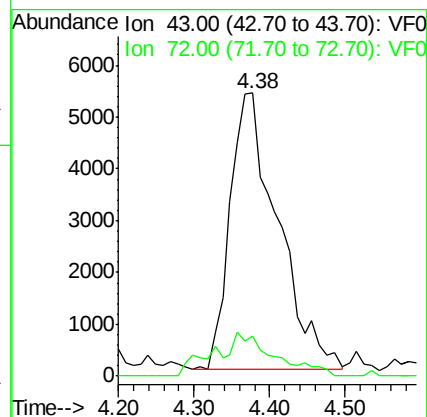
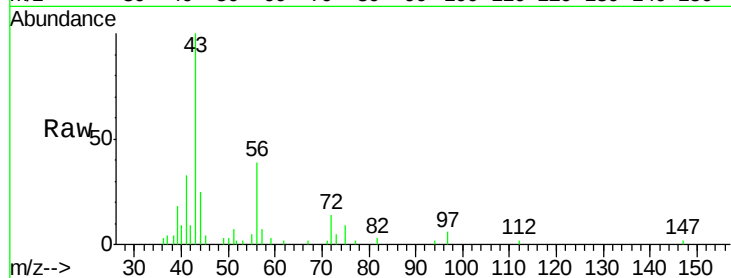
VSTDIC005

Tgt Ion: 43 Resp: 23401

Ion Ratio Lower Upper

43 100

72 14.4 15.4 23.2#



#26

2,2-Dichloropropane

Concen: 4.356 ug/l

RT: 3.63 min Scan# 304

Delta R.T. -0.01 min

Lab File: VF060826.D

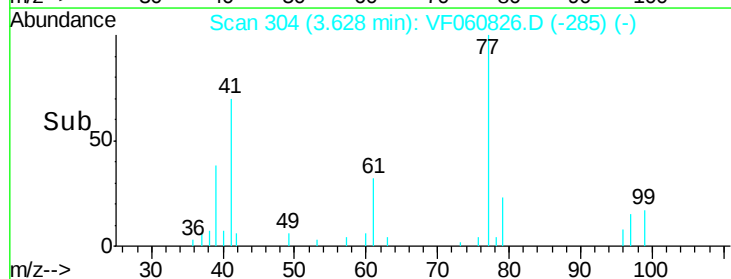
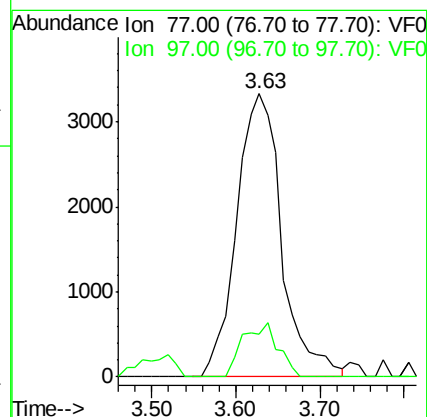
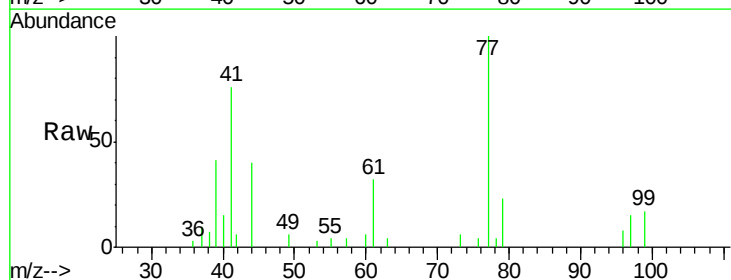
Acq: 26 Nov 2018 17:04

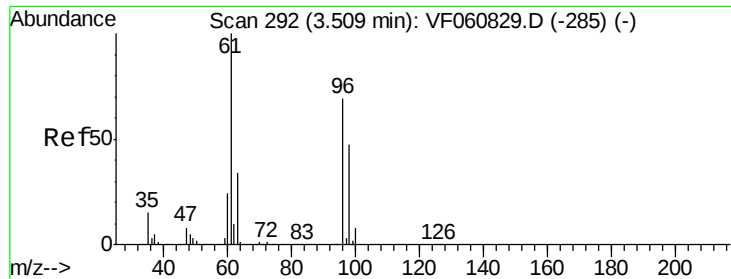
Tgt Ion: 77 Resp: 12437

Ion Ratio Lower Upper

77 100

97 15.3 8.6 25.8



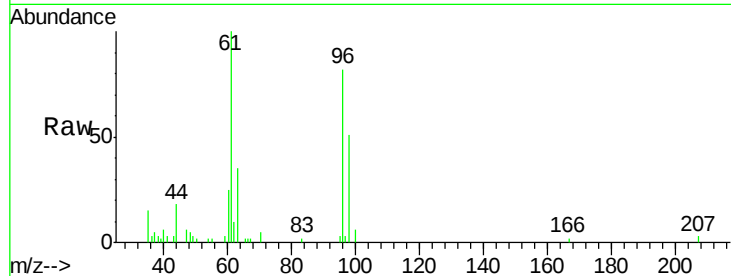


#27

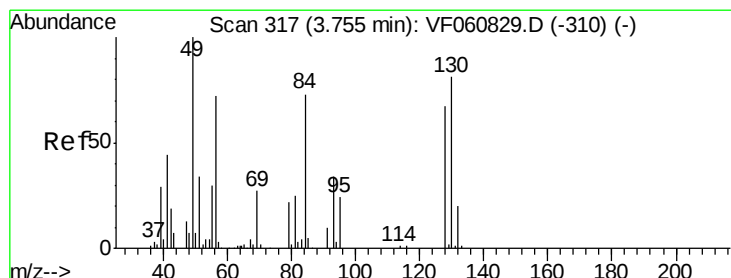
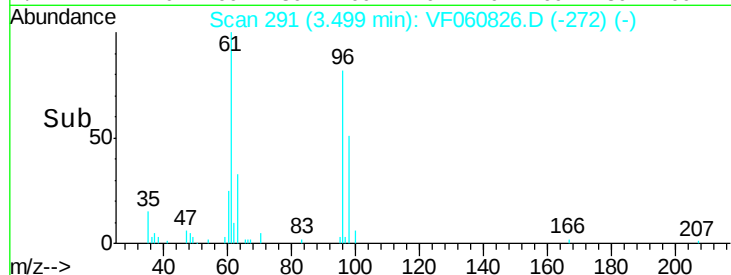
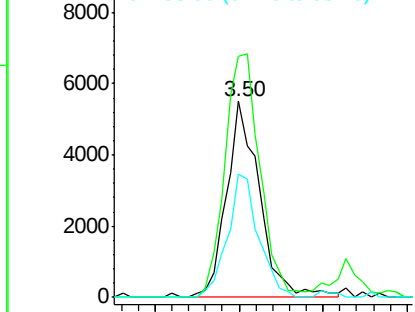
cis-1,2-Dichloroethene
Concen: 4.760 ug/l
RT: 3.50 min Scan# 291
Delta R.T. -0.01 min
Lab File: VF060826.D
Acq: 26 Nov 2018 17:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tgt Ion: 96 Resp: 15020
Ion Ratio Lower Upper
96 100
61 118.6 0.0 290.6
98 60.9 0.0 137.8



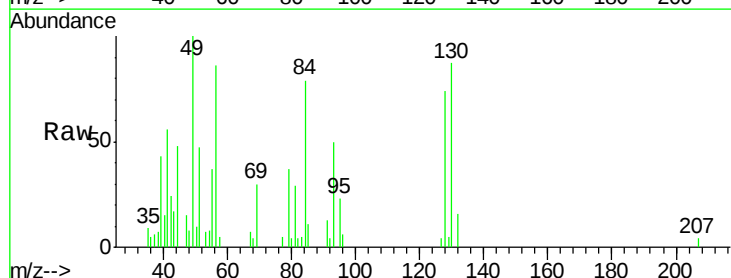
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



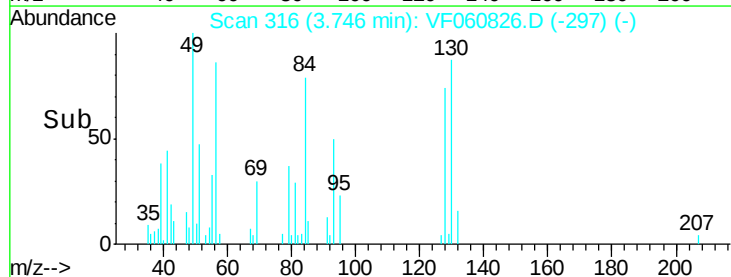
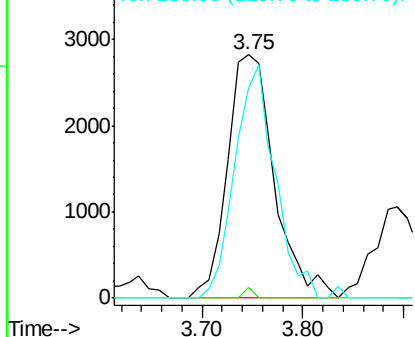
#28

Bromochloromethane
Concen: 4.827 ug/l
RT: 3.75 min Scan# 316
Delta R.T. -0.01 min
Lab File: VF060826.D
Acq: 26 Nov 2018 17:04

Tgt Ion: 49 Resp: 9146
Ion Ratio Lower Upper
49 100
129 4.5 0.0 4.4#
130 86.6 64.2 96.4



Abundance Ion 49.00 (48.70 to 49.70): VF0
Ion 129.00 (128.70 to 129.70): V
Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 26.230 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.00 min

Lab File: VF060826.D

Acq: 26 Nov 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

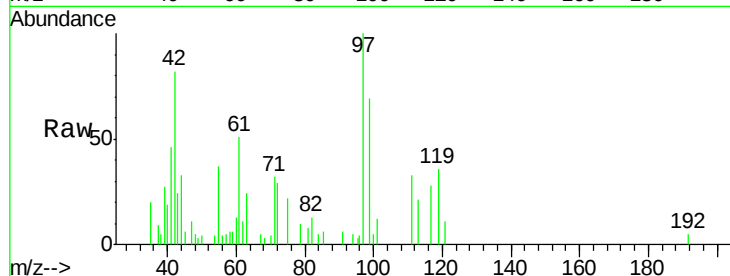
Tgt Ion: 42 Resp: 9619

Ion Ratio Lower Upper

42 100

72 33.5 31.9 47.9

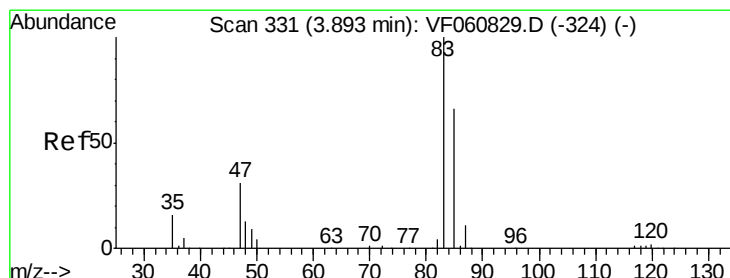
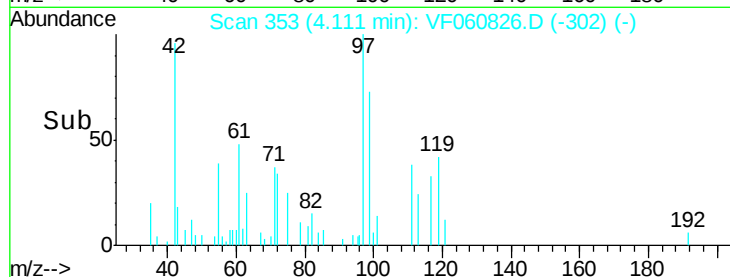
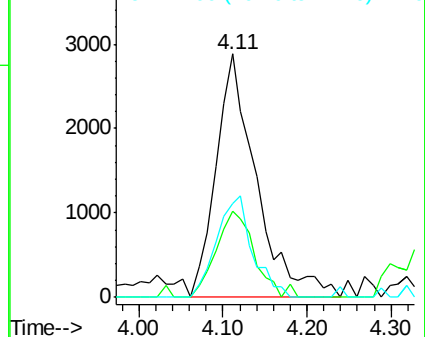
71 37.1 28.7 43.1



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 5.193 ug/l

RT: 3.89 min Scan# 331

Delta R.T. 0.00 min

Lab File: VF060826.D

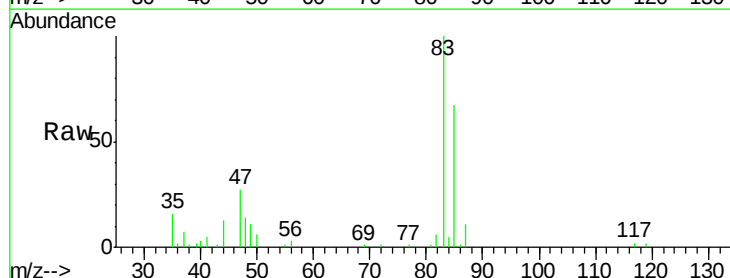
Acq: 26 Nov 2018 17:04

Tgt Ion: 83 Resp: 30499

Ion Ratio Lower Upper

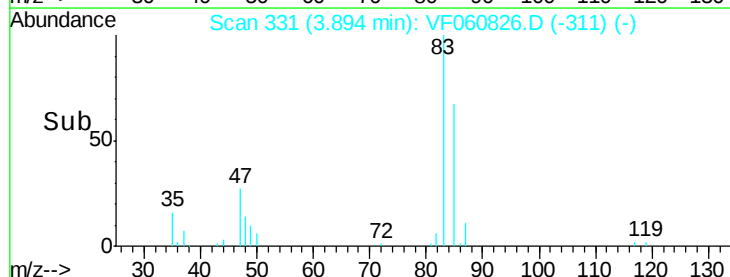
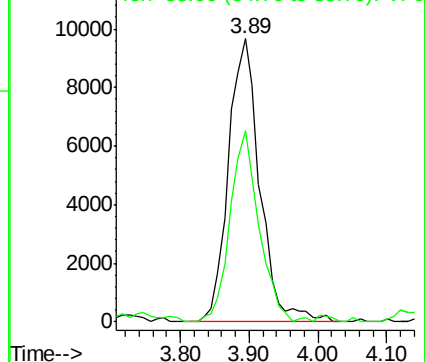
83 100

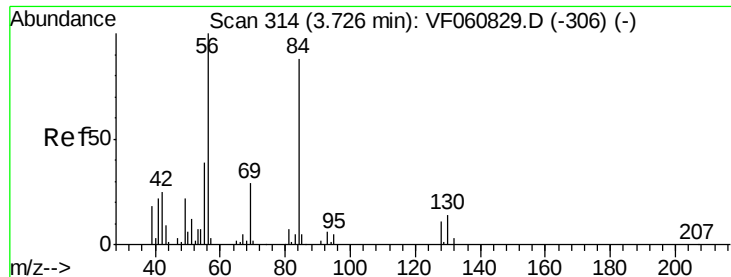
85 67.4 53.4 80.2



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

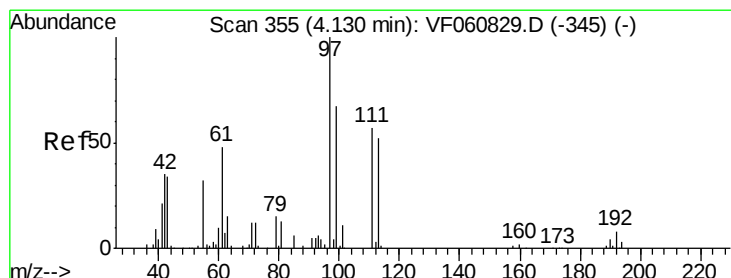
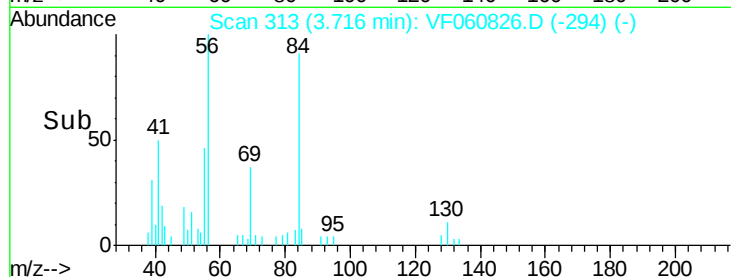
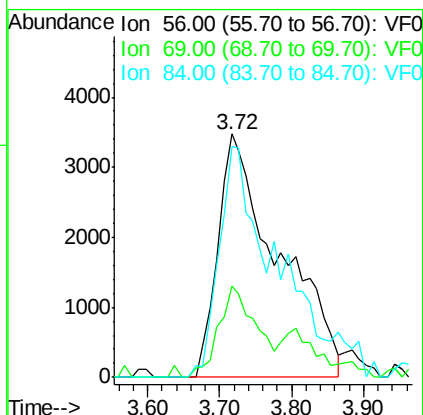
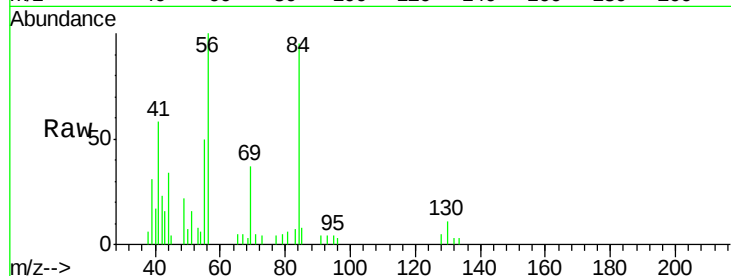




#31
Cyclohexane
Concen: 4.620 ug/l
RT: 3.72 min Scan# 313
Delta R.T. -0.01 min
Lab File: VF060826.D
Acq: 26 Nov 2018 17:04

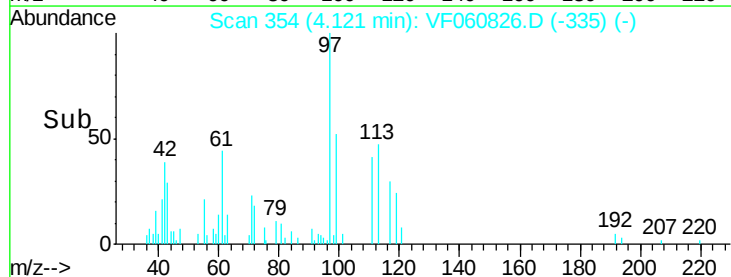
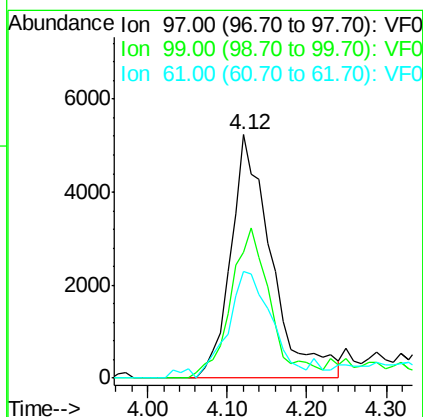
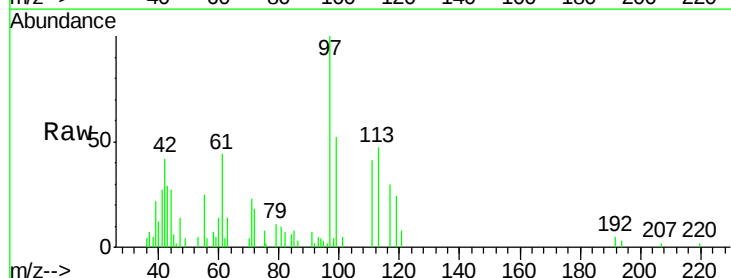
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

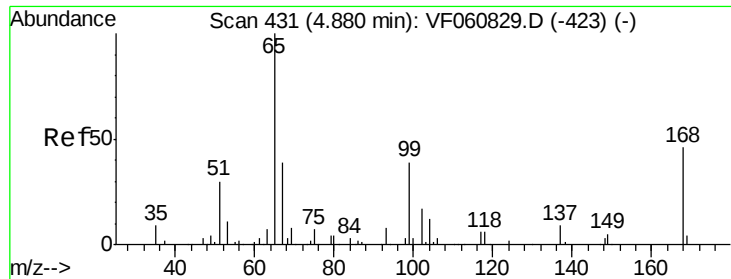
Tgt Ion: 56 Resp: 20322
Ion Ratio Lower Upper
56 100
69 37.3 23.0 34.4#
84 94.8 70.4 105.6



#32
1,1,1-Trichloroethane
Concen: 4.036 ug/l
RT: 4.12 min Scan# 354
Delta R.T. -0.01 min
Lab File: VF060826.D
Acq: 26 Nov 2018 17:04

Tgt Ion: 97 Resp: 18608
Ion Ratio Lower Upper
97 100
99 51.7 53.5 80.3#
61 43.8 38.6 58.0





#33

1,2-Dichloroethane-d4

Concen: 4.903 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.00 min

Lab File: VF060826.D

Acq: 26 Nov 2018 17:04

Instrument :

MSVOA_F

ClientSampled :

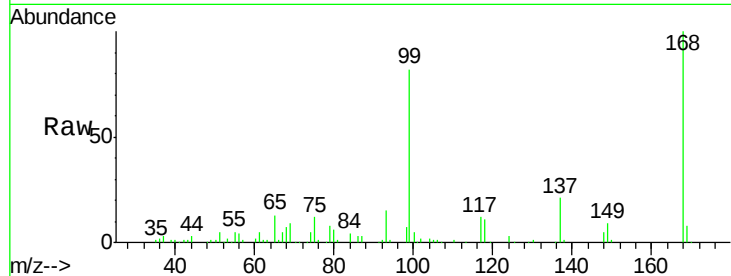
VSTDIC005

Tgt Ion: 65 Resp: 12783

Ion Ratio Lower Upper

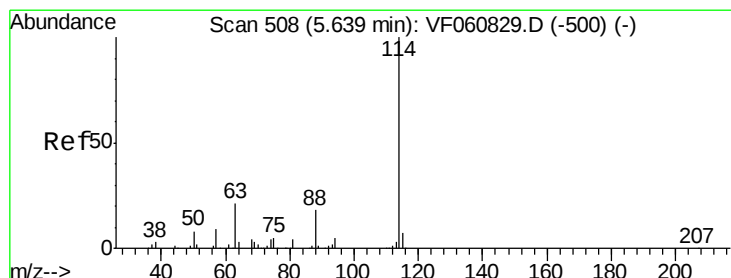
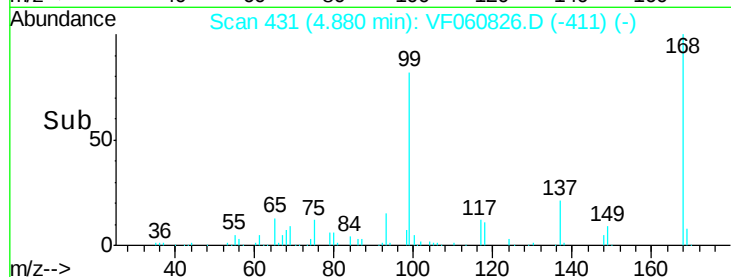
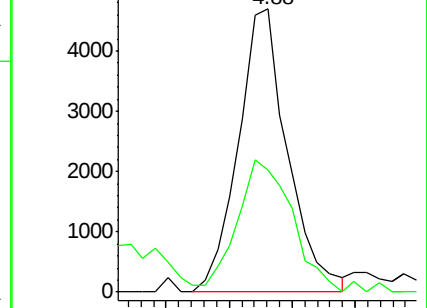
65 100

67 43.1 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: 5.63 min Scan# 507

Delta R.T. -0.01 min

Lab File: VF060826.D

Acq: 26 Nov 2018 17:04

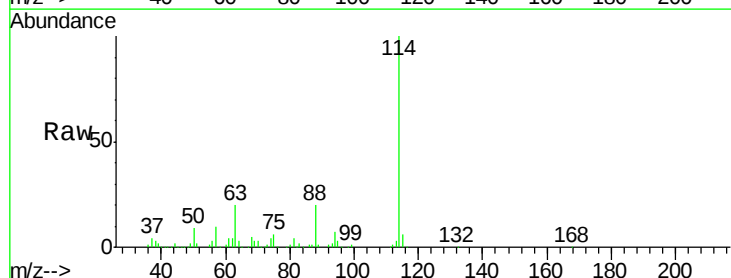
Tgt Ion: 114 Resp: 345861

Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.6

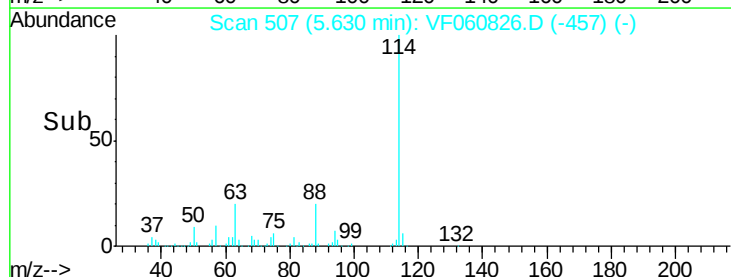
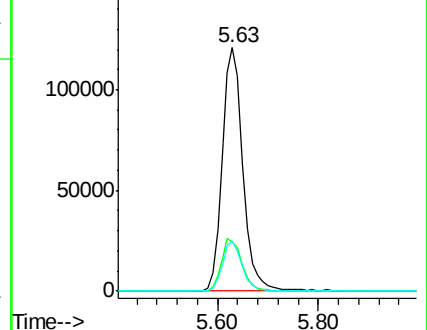
88 20.5 0.0 36.6

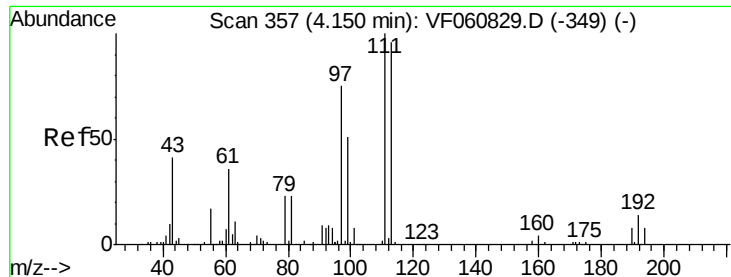


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

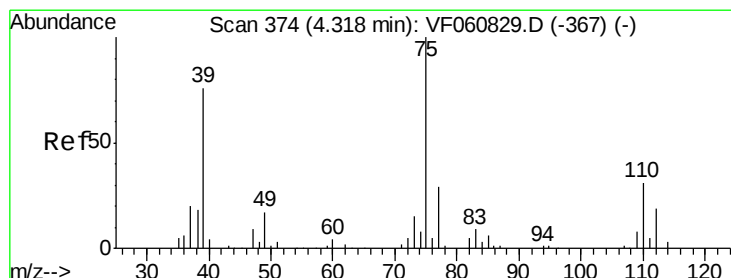
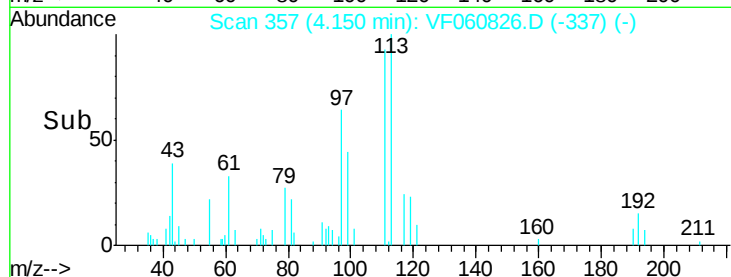
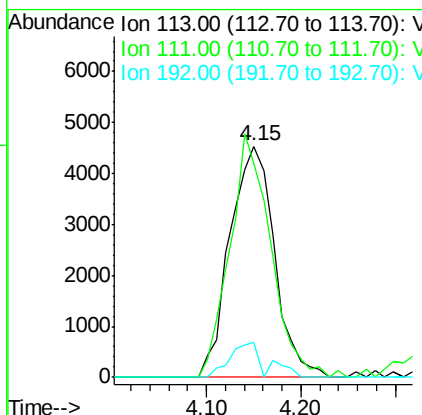
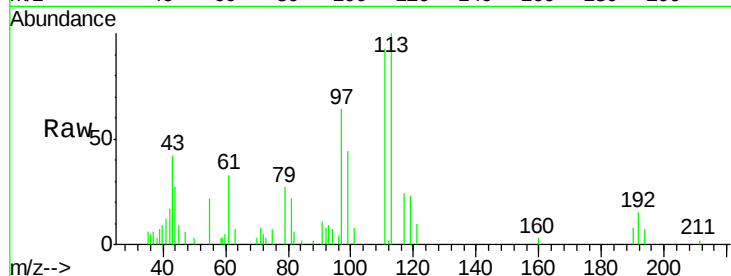




#35
 Dibromofluoromethane
 Concen: 5.547 ug/l
 RT: 4.15 min Scan# 357
 Delta R.T. 0.00 min
 Lab File: VF060826.D
 Acq: 26 Nov 2018 17:04

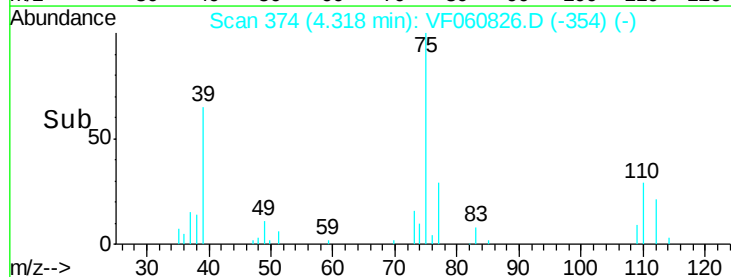
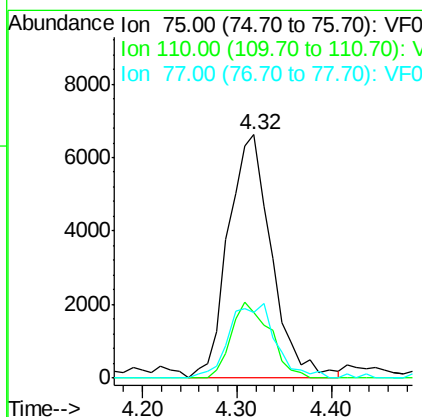
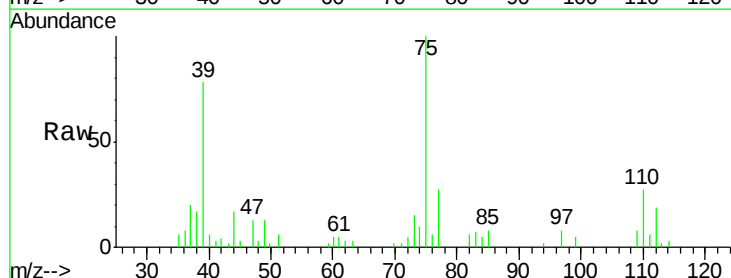
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

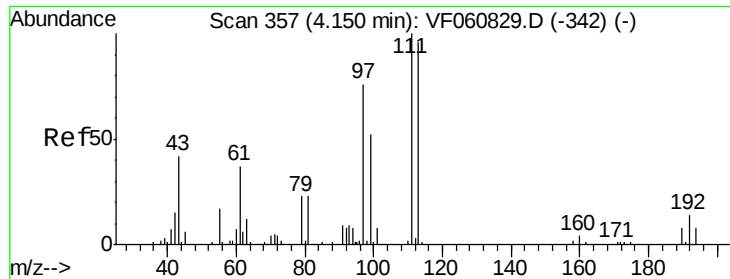
Tgt Ion:113 Resp: 14827
 Ion Ratio Lower Upper
 113 100
 111 92.9 83.0 124.6
 192 15.0 12.3 18.5



#36
 1,1-Dichloropropene
 Concen: 5.272 ug/l
 RT: 4.32 min Scan# 374
 Delta R.T. 0.00 min
 Lab File: VF060826.D
 Acq: 26 Nov 2018 17:04

Tgt Ion: 75 Resp: 21040
 Ion Ratio Lower Upper
 75 100
 110 26.9 15.6 46.8
 77 27.0 23.4 35.0

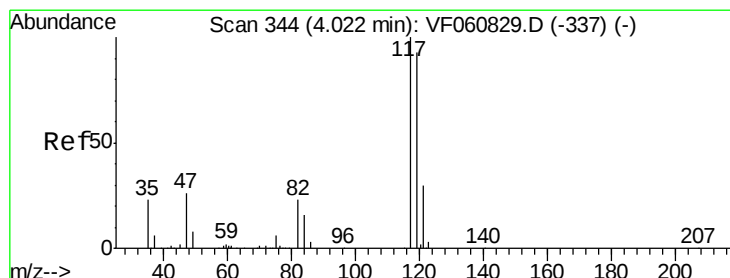
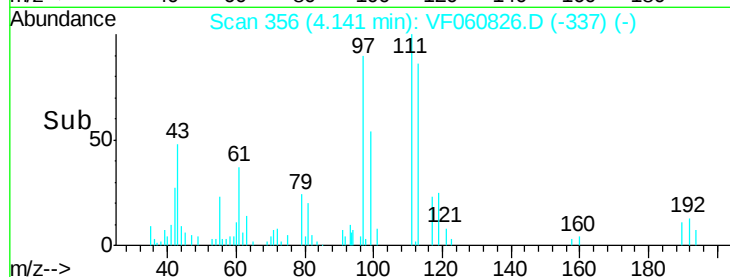
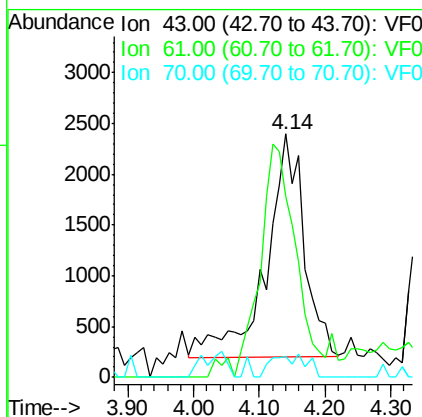
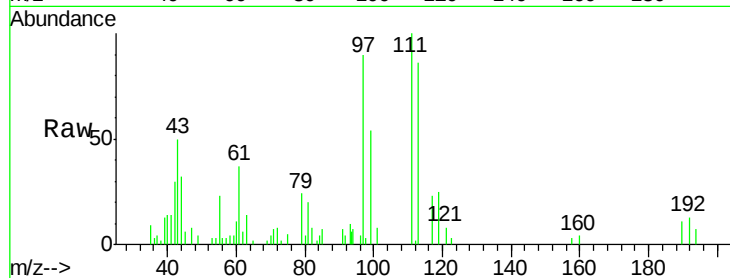




#37
 Ethyl Acetate
 Concen: 5.832 ug/l
 RT: 4.14 min Scan# 356
 Delta R.T. -0.01 min
 Lab File: VF060826.D
 Acq: 26 Nov 2018 17:04

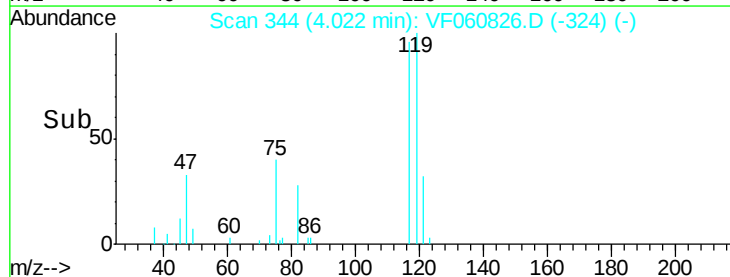
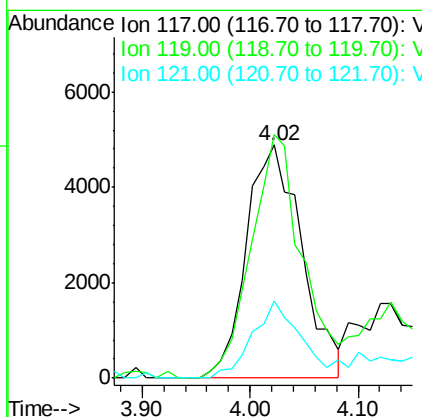
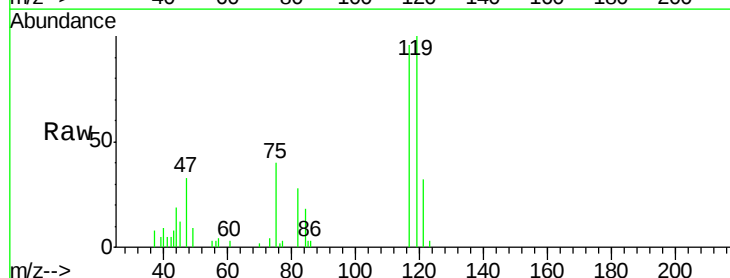
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

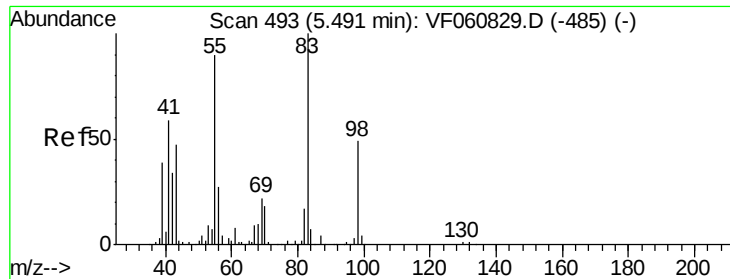
Tgt Ion: 43 Resp: 8782
 Ion Ratio Lower Upper
 43 100
 61 74.5 68.6 103.0
 70 8.8 9.0 13.4#



#38
 Carbon Tetrachloride
 Concen: 4.486 ug/l
 RT: 4.02 min Scan# 344
 Delta R.T. 0.00 min
 Lab File: VF060826.D
 Acq: 26 Nov 2018 17:04

Tgt Ion: 117 Resp: 17413
 Ion Ratio Lower Upper
 117 100
 119 104.4 74.4 111.6
 121 33.2 23.5 35.3

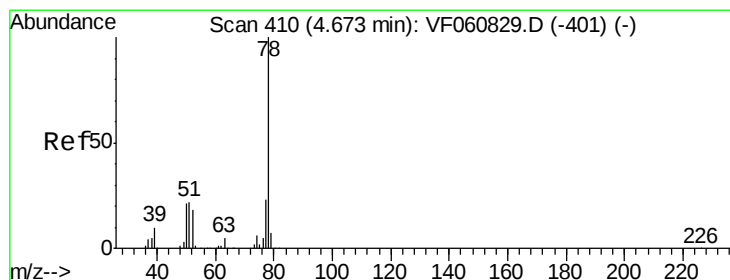
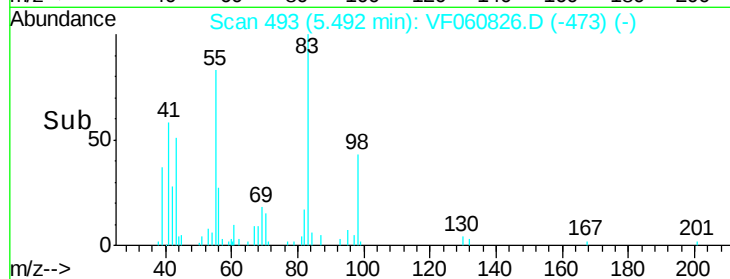
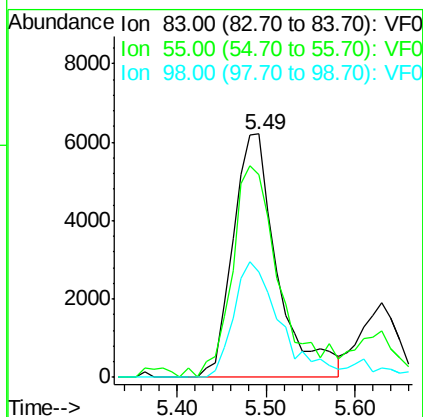
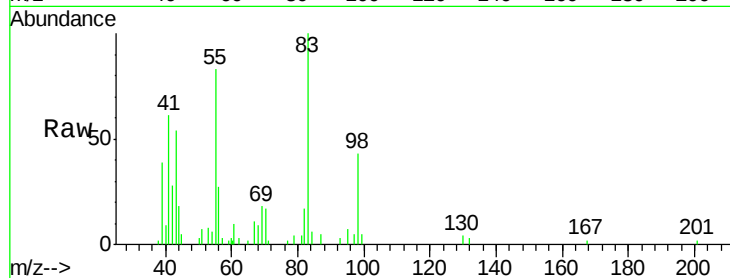




#39
Methylcyclohexane
Concen: 4.742 ug/l
RT: 5.49 min Scan# 493
Delta R.T. 0.00 min
Lab File: VF060826.D
Acq: 26 Nov 2018 17:04

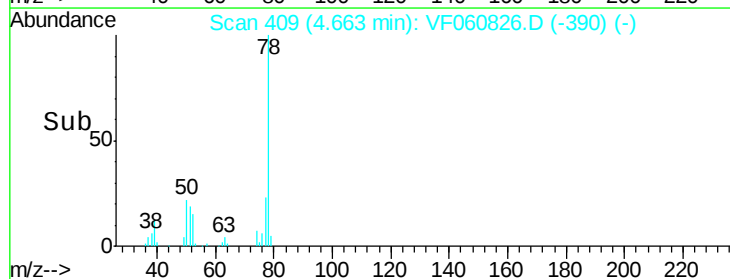
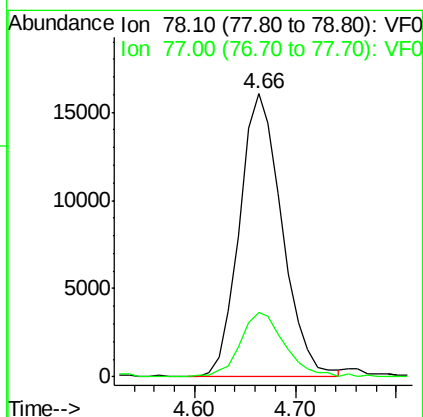
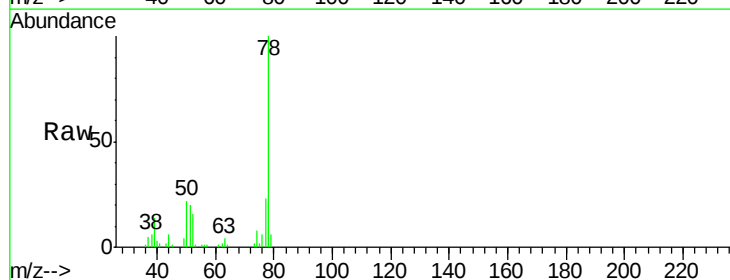
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

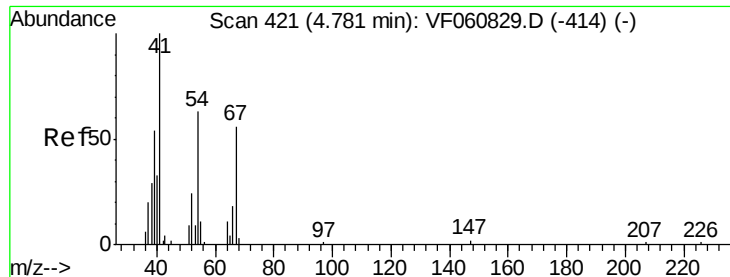
Tgt Ion: 83 Resp: 21573
Ion Ratio Lower Upper
83 100
55 83.4 72.1 108.1
98 43.5 39.1 58.7



#40
Benzene
Concen: 5.320 ug/l
RT: 4.66 min Scan# 409
Delta R.T. -0.01 min
Lab File: VF060826.D
Acq: 26 Nov 2018 17:04

Tgt Ion: 78 Resp: 47209
Ion Ratio Lower Upper
78 100
77 22.7 18.7 28.1





#41

Methacrylonitrile

Concen: 6.396 ug/l

RT: 4.78 min Scan# 421

Delta R.T. 0.00 min

Lab File: VF060826.D

Acq: 26 Nov 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tgt Ion: 41 Resp: 5768

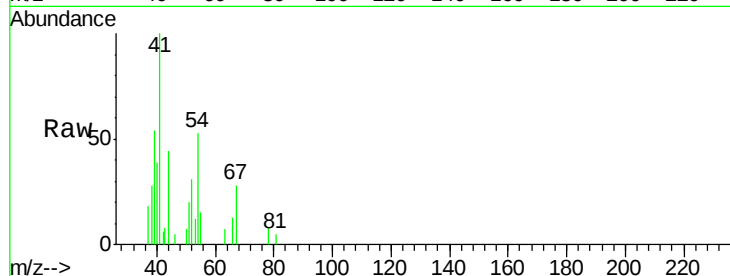
Ion Ratio Lower Upper

41 100

39 53.7 53.0 79.6

67 28.3 43.8 65.6#

52 30.9 37.8 56.8#

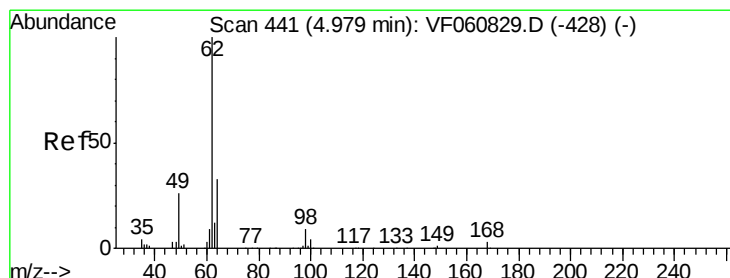
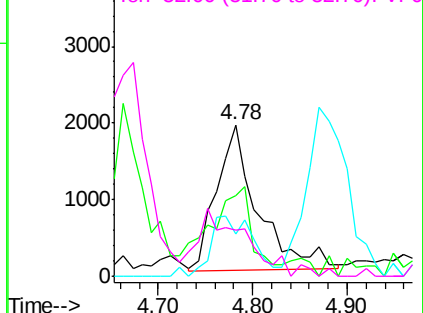
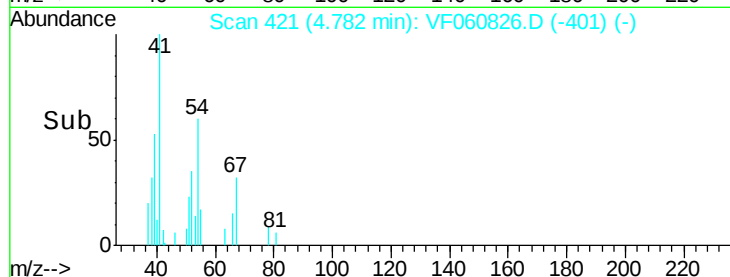


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 4.989 ug/l

RT: 4.97 min Scan# 440

Delta R.T. -0.01 min

Lab File: VF060826.D

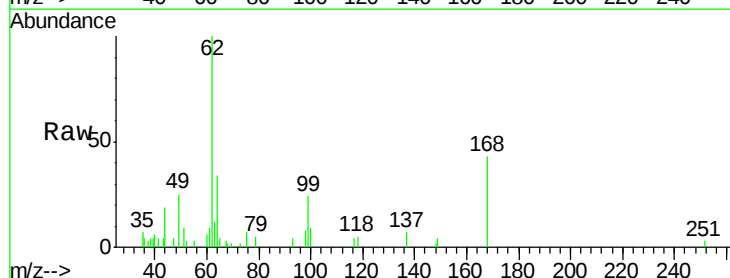
Acq: 26 Nov 2018 17:04

Tgt Ion: 62 Resp: 15610

Ion Ratio Lower Upper

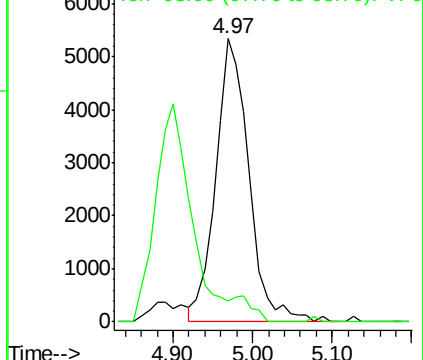
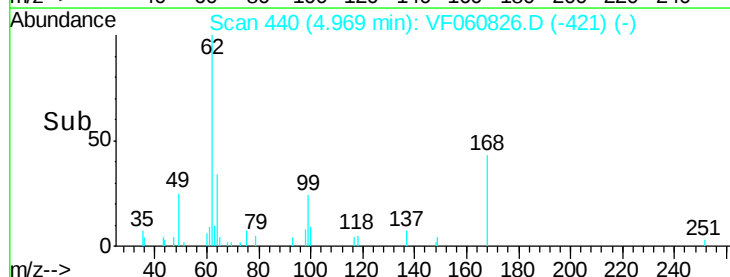
62 100

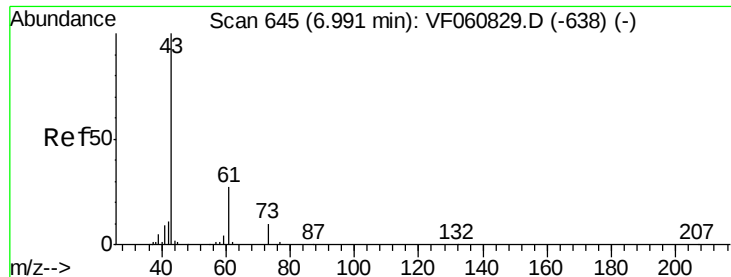
98 7.6 0.0 17.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 6.999 ug/l

RT: 6.97 min Scan# 643

Delta R.T. -0.02 min

Lab File: VF060826.D

Acq: 26 Nov 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

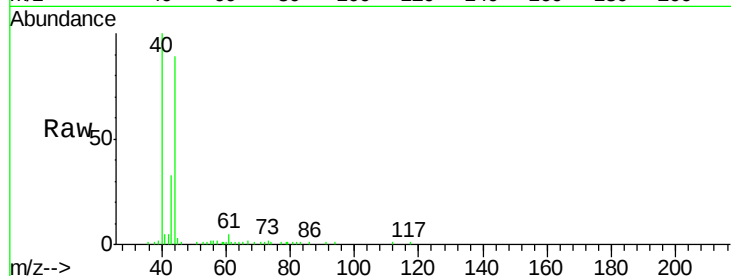
Tgt Ion: 43 Resp: 14062

Ion Ratio Lower Upper

43 100

61 15.4 21.4 32.0#

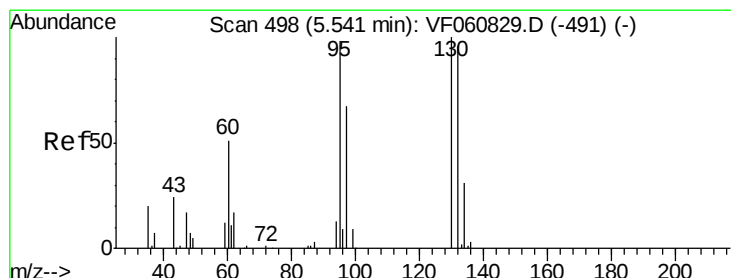
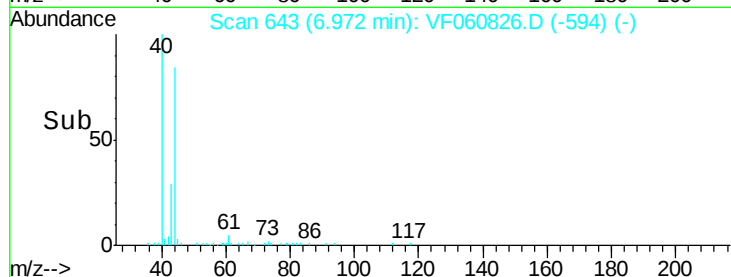
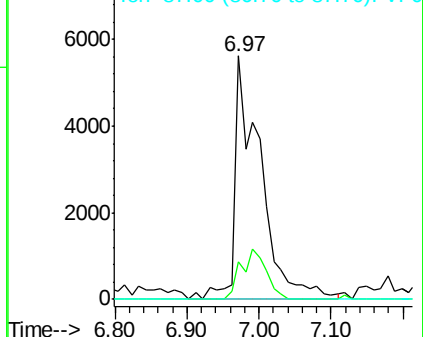
87 0.0 0.2 0.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 5.411 ug/l

RT: 5.53 min Scan# 497

Delta R.T. -0.01 min

Lab File: VF060826.D

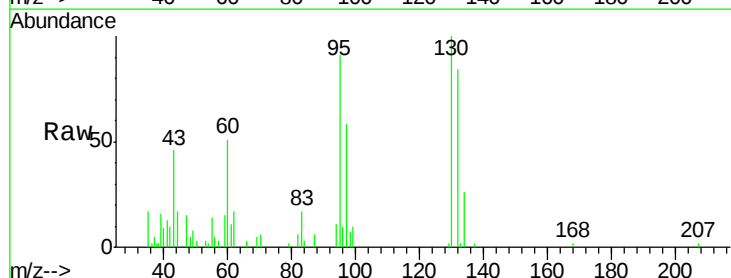
Acq: 26 Nov 2018 17:04

Tgt Ion: 130 Resp: 15331

Ion Ratio Lower Upper

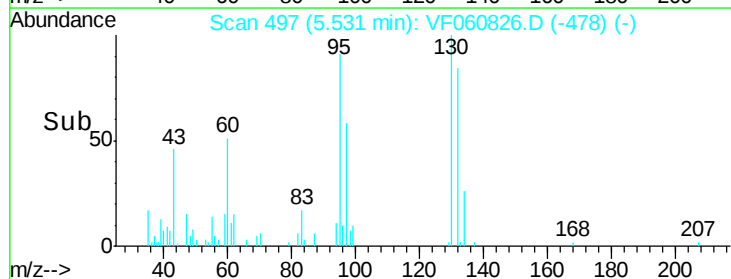
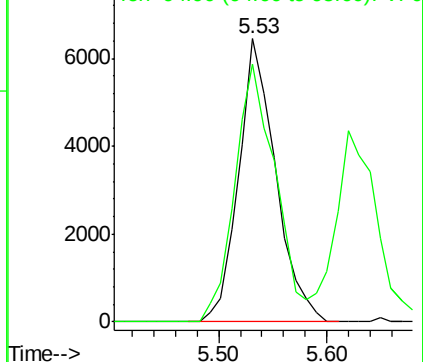
130 100

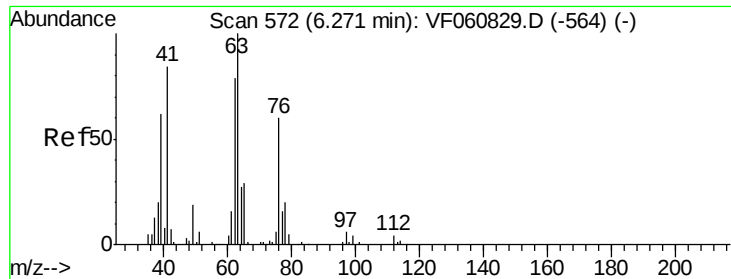
95 91.1 0.0 195.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 4.391 ug/l

RT: 6.27 min Scan# 572

Delta R.T. 0.00 min

Lab File: VF060826.D

Acq: 26 Nov 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

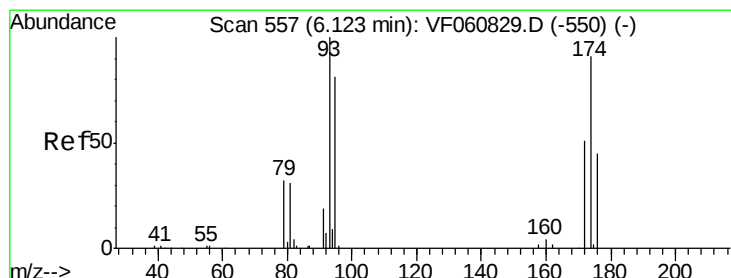
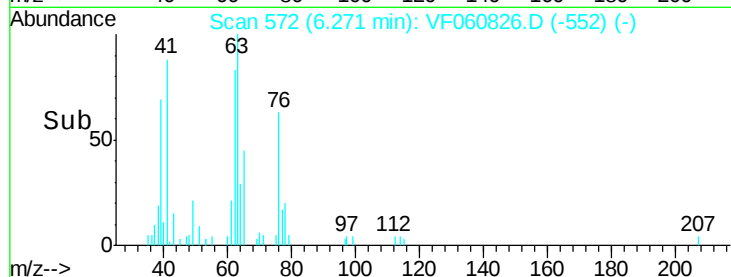
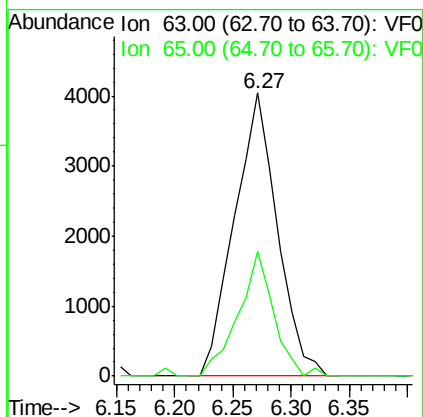
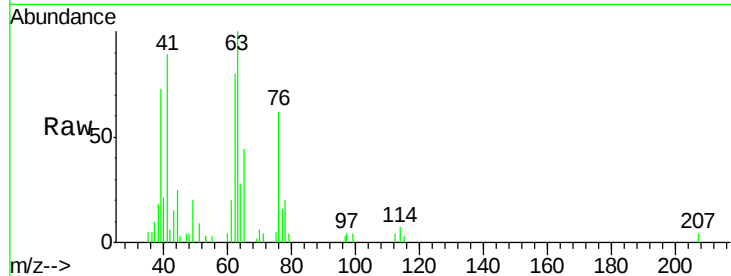
VSTDIC005

Tgt Ion: 63 Resp: 10319

Ion Ratio Lower Upper

63 100

65 44.0 23.2 34.8#



#46

Dibromomethane

Concen: 4.831 ug/l

RT: 6.12 min Scan# 557

Delta R.T. 0.00 min

Lab File: VF060826.D

Acq: 26 Nov 2018 17:04

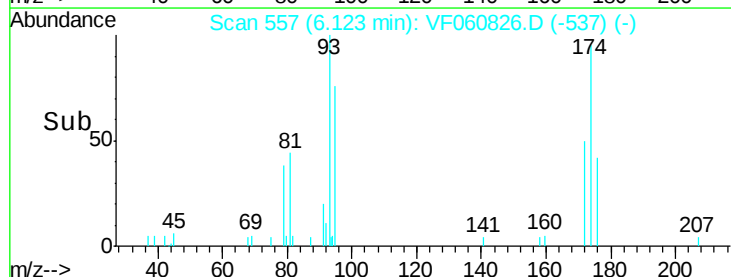
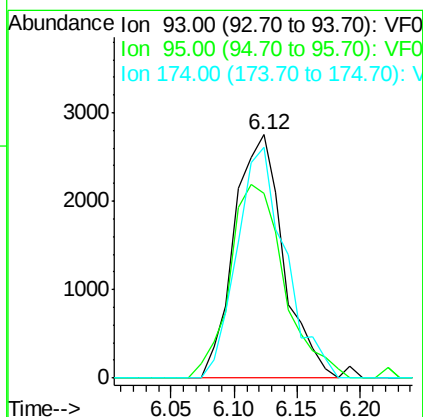
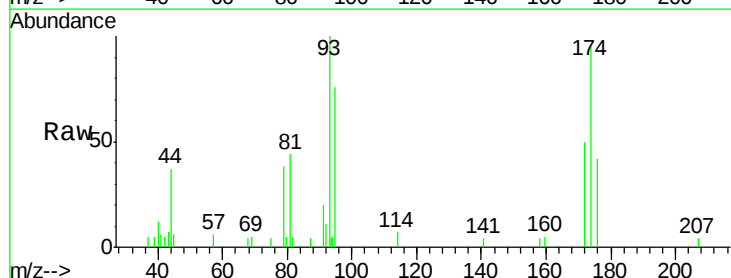
Tgt Ion: 93 Resp: 7440

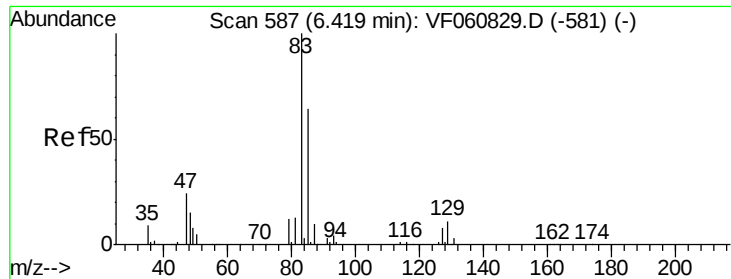
Ion Ratio Lower Upper

93 100

95 72.5 64.7 97.1

174 90.8 73.0 109.6





#47

Bromodichloromethane

Concen: 5.219 ug/l

RT: 6.42 min Scan# 587

Delta R.T. 0.00 min

Lab File: VF060826.D

Acq: 26 Nov 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

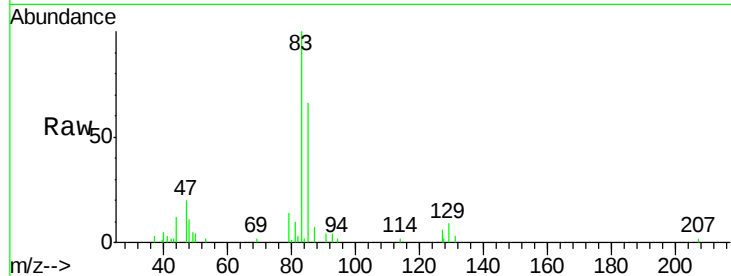
Tgt Ion: 83 Resp: 20491

Ion Ratio Lower Upper

83 100

85 65.9 51.1 76.7

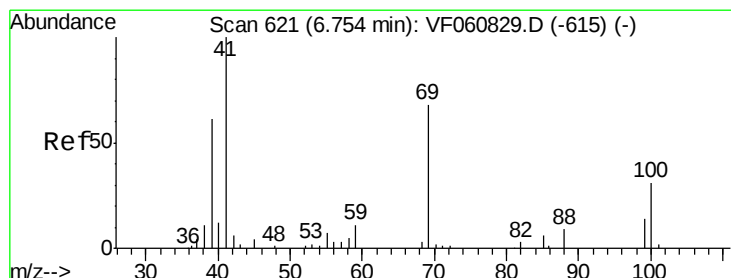
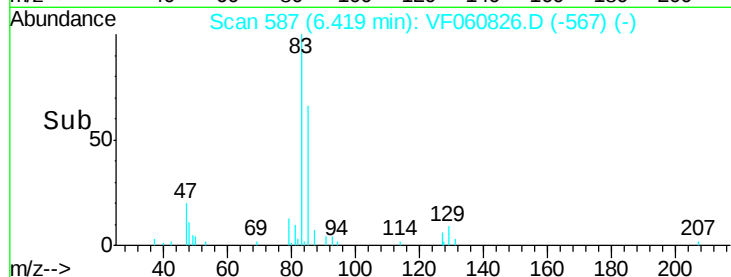
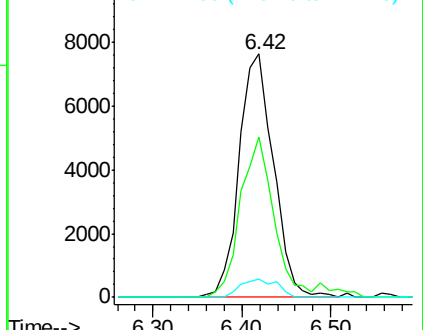
127 7.6 6.8 10.2



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: 5.737 ug/l

RT: 6.74 min Scan# 620

Delta R.T. -0.01 min

Lab File: VF060826.D

Acq: 26 Nov 2018 17:04

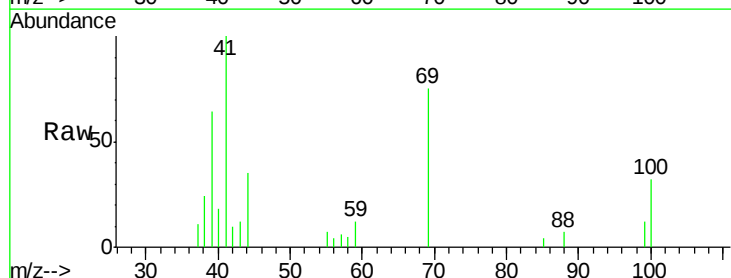
Tgt Ion: 41 Resp: 7712

Ion Ratio Lower Upper

41 100

69 74.9 53.9 80.9

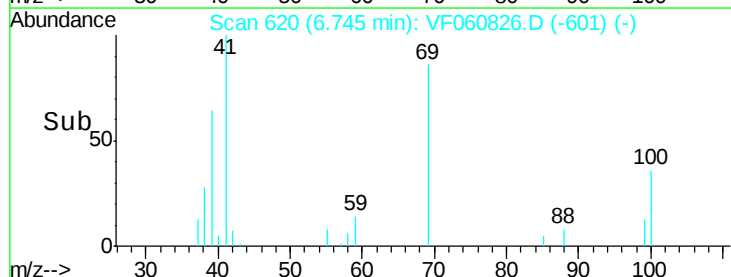
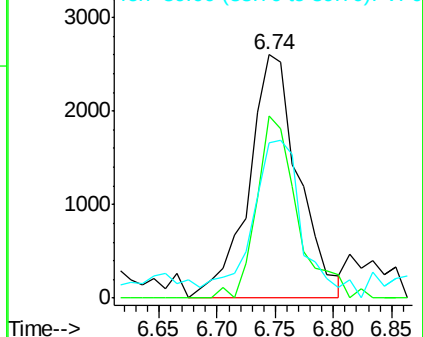
39 64.0 49.0 73.6

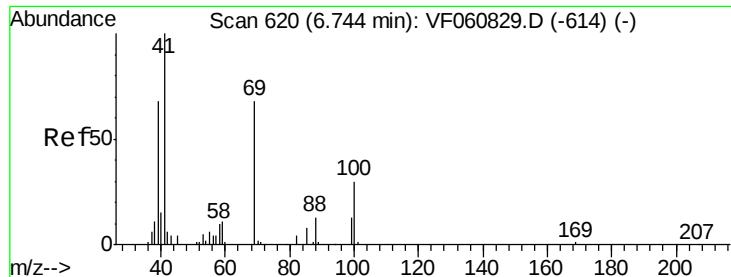


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 77.524 ug/l

RT: 6.73 min Scan# 619

Delta R.T. -0.01 min

Lab File: VF060826.D

Acq: 26 Nov 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

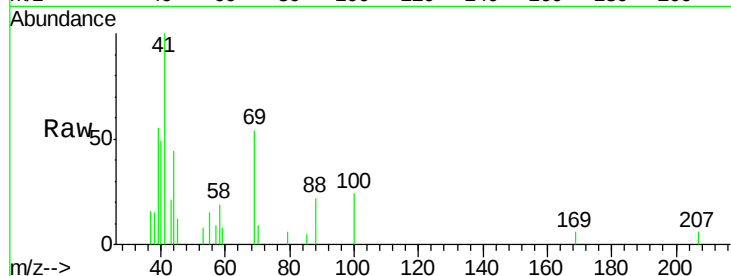
Tgt Ion: 88 Resp: 951

Ion Ratio Lower Upper

88 100

43 94.5 42.0 63.0#

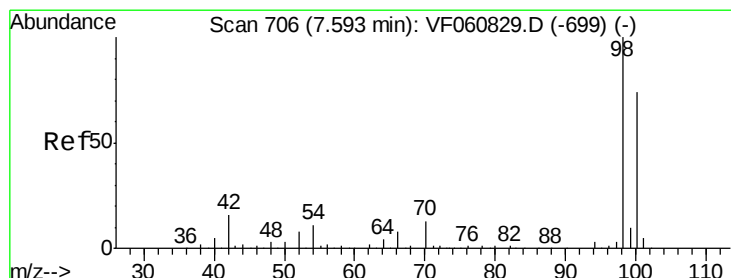
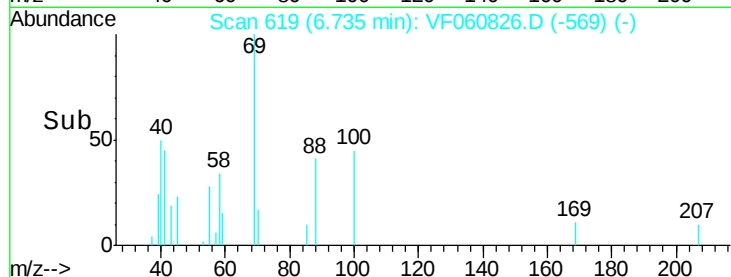
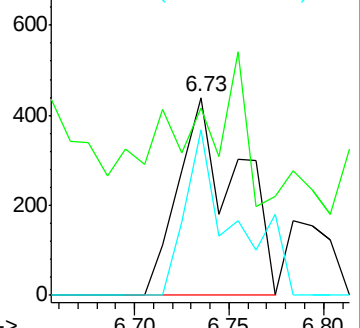
58 83.9 61.8 92.8



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: 5.295 ug/l

RT: 7.58 min Scan# 705

Delta R.T. -0.01 min

Lab File: VF060826.D

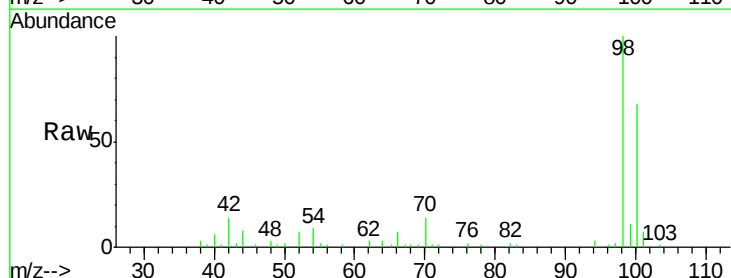
Acq: 26 Nov 2018 17:04

Tgt Ion: 98 Resp: 41392

Ion Ratio Lower Upper

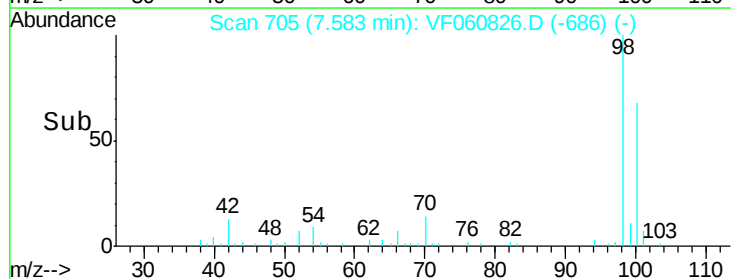
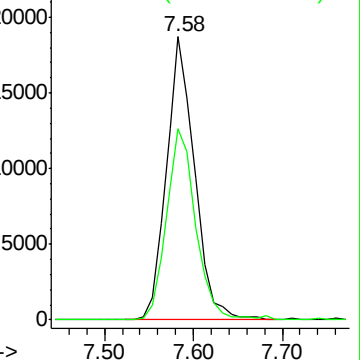
98 100

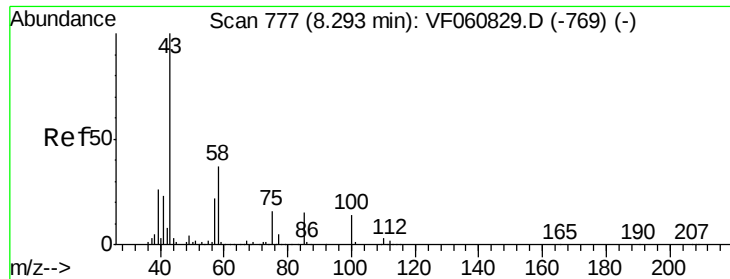
100 67.8 59.3 88.9



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

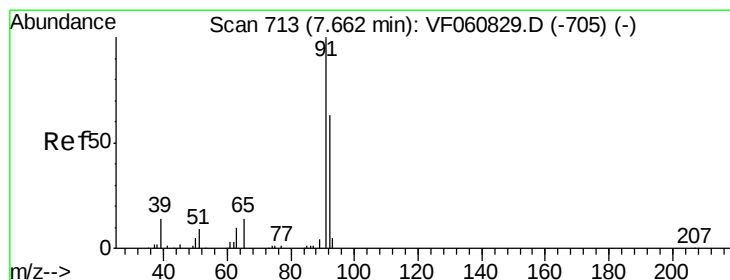
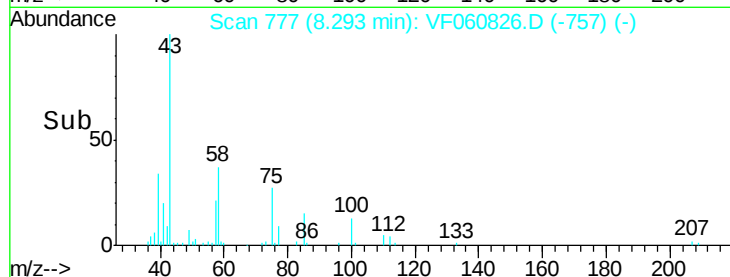
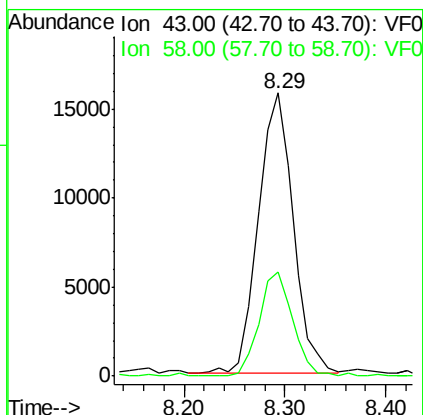
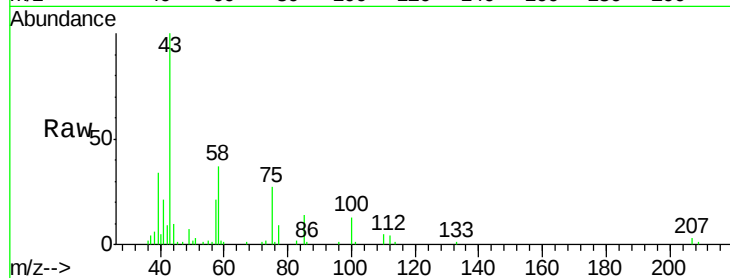




#51
 4-Methyl-2-Pentanone
 Concen: 26.349 ug/l
 RT: 8.29 min Scan# 777
 Delta R.T. 0.00 min
 Lab File: VF060826.D
 Acq: 26 Nov 2018 17:04

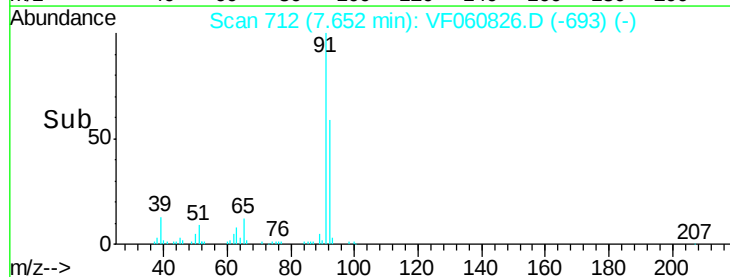
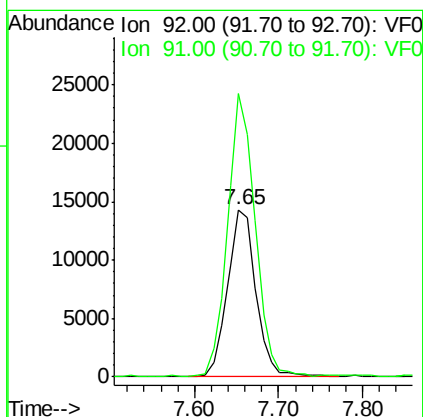
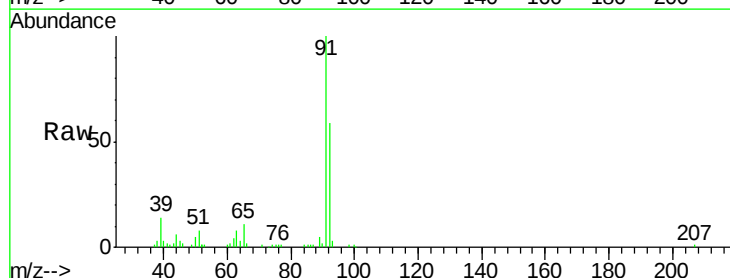
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

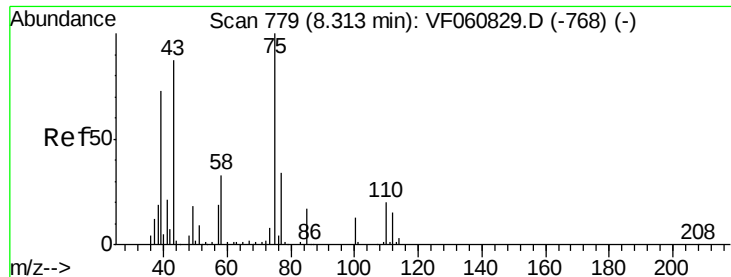
Tgt Ion: 43 Resp: 37888
 Ion Ratio Lower Upper
 43 100
 58 36.6 29.7 44.5



#52
 Toluene
 Concen: 5.626 ug/l
 RT: 7.65 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VF060826.D
 Acq: 26 Nov 2018 17:04

Tgt Ion: 92 Resp: 33510
 Ion Ratio Lower Upper
 92 100
 91 169.4 126.2 189.2





#53

t-1,3-Dichloropropene

Concen: 5.732 ug/l

RT: 8.31 min Scan# 779

Delta R.T. 0.00 min

Lab File: VF060826.D

Acq: 26 Nov 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

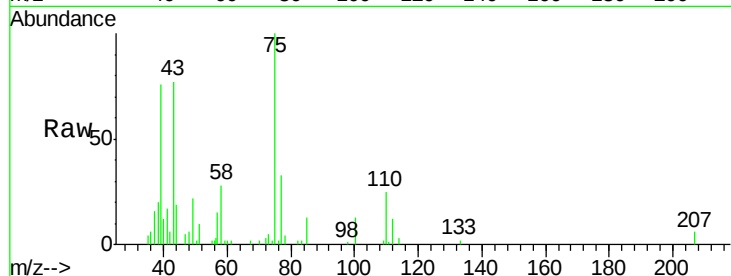
VSTDIC005

Tgt Ion: 75 Resp: 18247

Ion Ratio Lower Upper

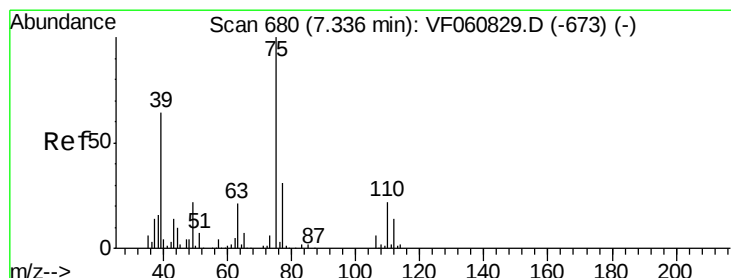
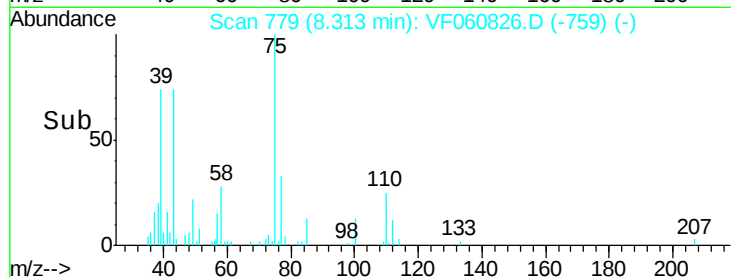
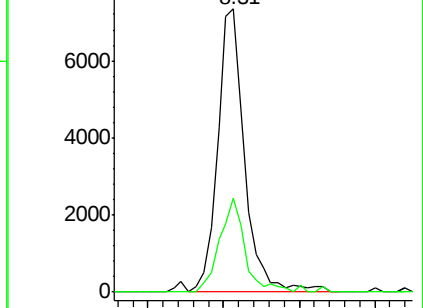
75 100

77 33.2 27.4 41.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 4.585 ug/l

RT: 7.34 min Scan# 680

Delta R.T. 0.00 min

Lab File: VF060826.D

Acq: 26 Nov 2018 17:04

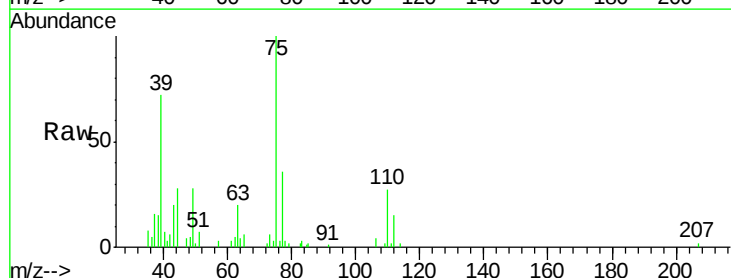
Tgt Ion: 75 Resp: 19083

Ion Ratio Lower Upper

75 100

77 36.4 25.0 37.6

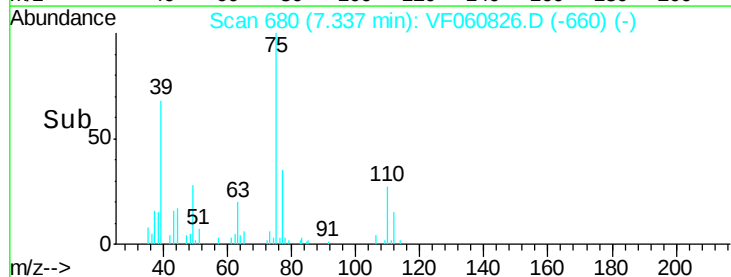
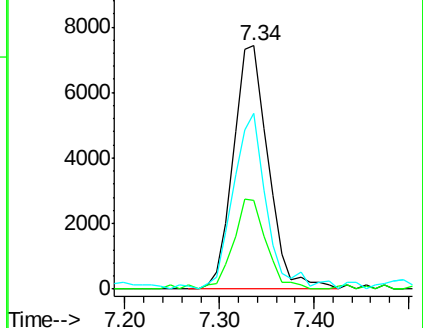
39 72.1 51.1 76.7

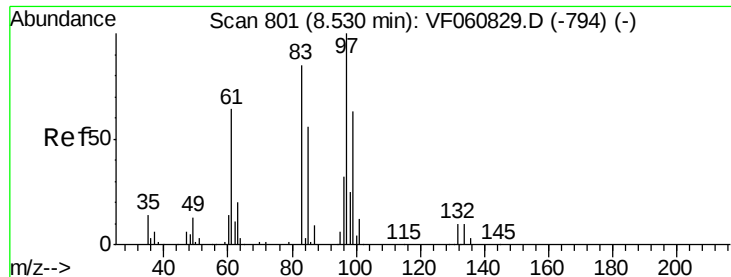


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 5.686 ug/l

RT: 8.52 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF060826.D

Acq: 26 Nov 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tgt Ion: 97 Resp: 9768

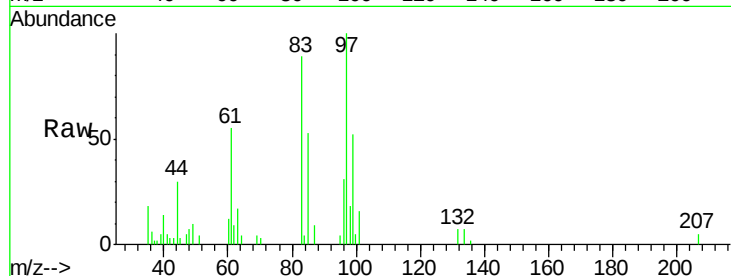
Ion Ratio Lower Upper

97 100

83 89.2 67.8 101.6

85 52.8 45.0 67.6

99 51.6 50.5 75.7

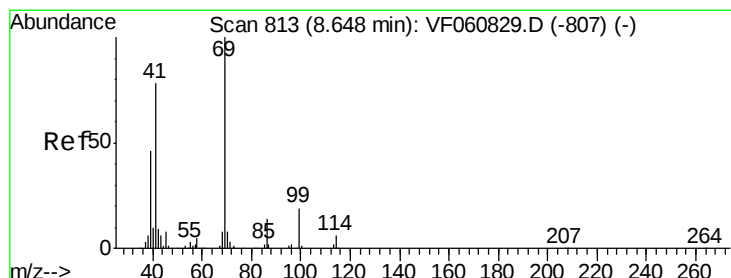
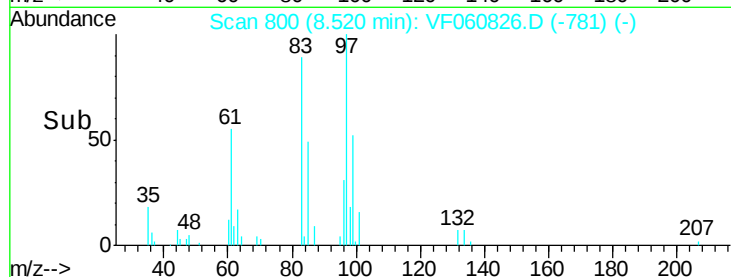
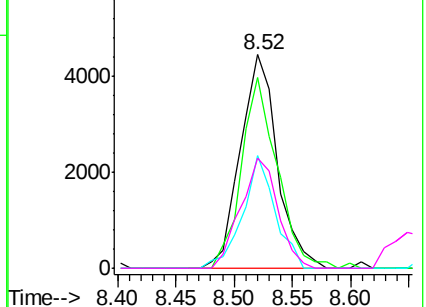


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 4.758 ug/l

RT: 8.65 min Scan# 813

Delta R.T. 0.00 min

Lab File: VF060826.D

Acq: 26 Nov 2018 17:04

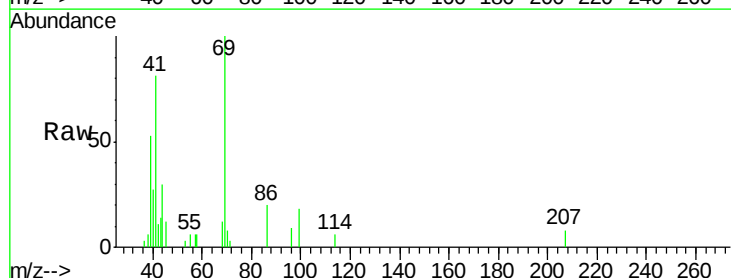
Tgt Ion: 69 Resp: 9384

Ion Ratio Lower Upper

69 100

41 81.0 62.6 94.0

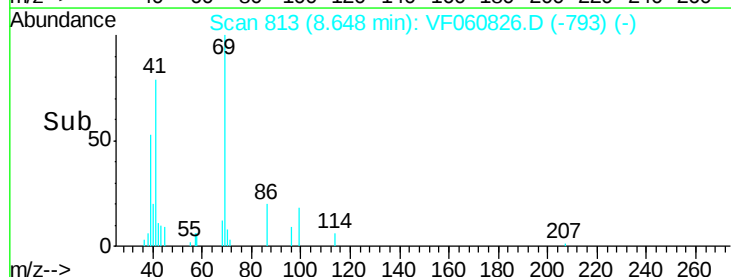
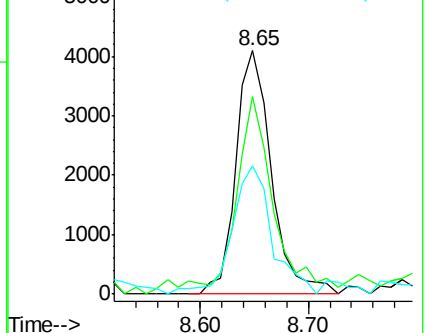
39 52.8 37.8 56.6

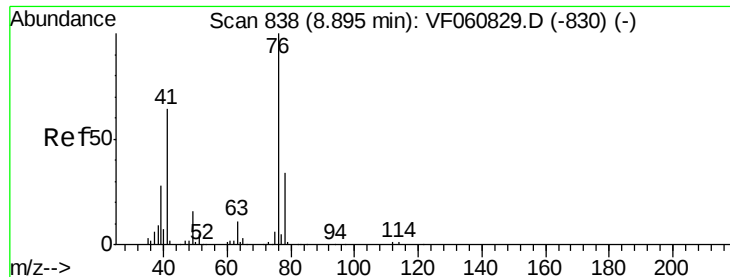


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

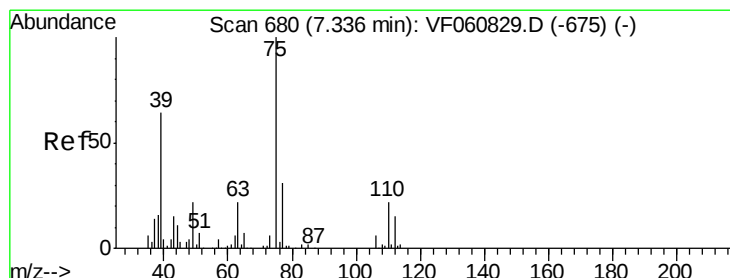
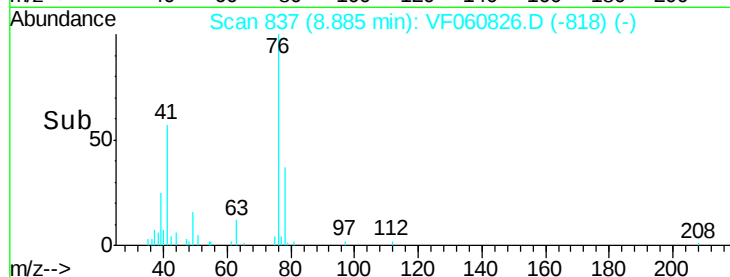
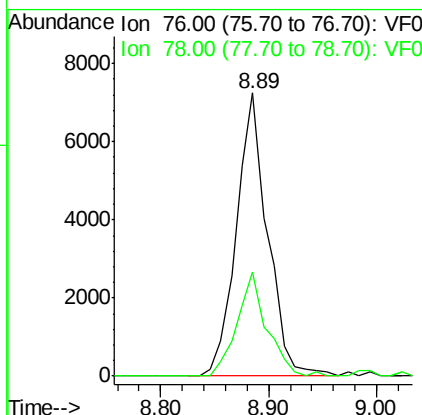
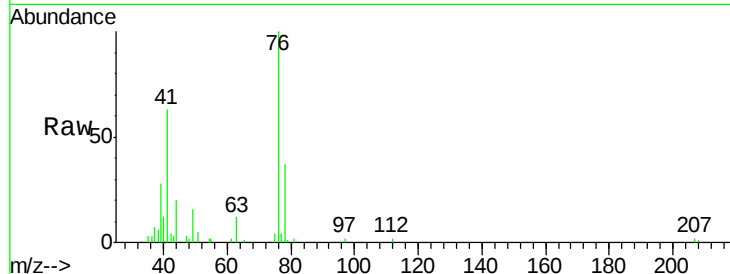




#57
 1,3-Dichloropropane
 Concen: 4.792 ug/l
 RT: 8.89 min Scan# 837
 Delta R.T. -0.01 min
 Lab File: VF060826.D
 Acq: 26 Nov 2018 17:04

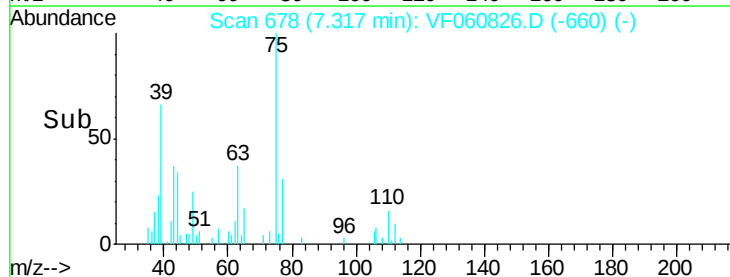
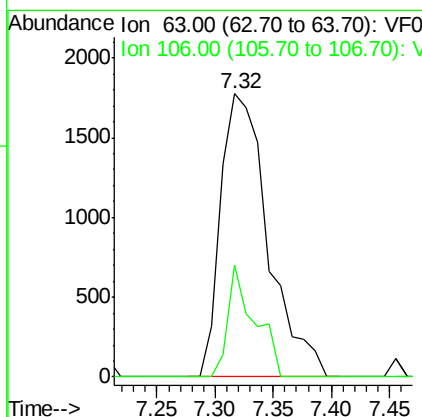
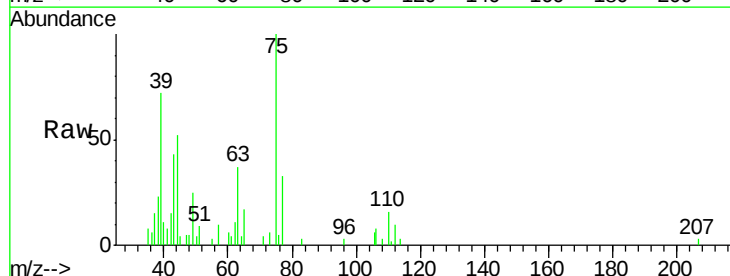
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

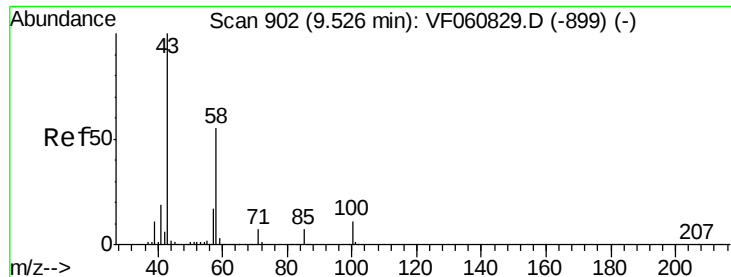
Tgt Ion: 76 Resp: 14516
 Ion Ratio Lower Upper
 76 100
 78 36.7 27.0 40.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 27.991 ug/l
 RT: 7.32 min Scan# 678
 Delta R.T. -0.02 min
 Lab File: VF060826.D
 Acq: 26 Nov 2018 17:04

Tgt Ion: 63 Resp: 5017
 Ion Ratio Lower Upper
 63 100
 106 39.4 23.0 34.6#

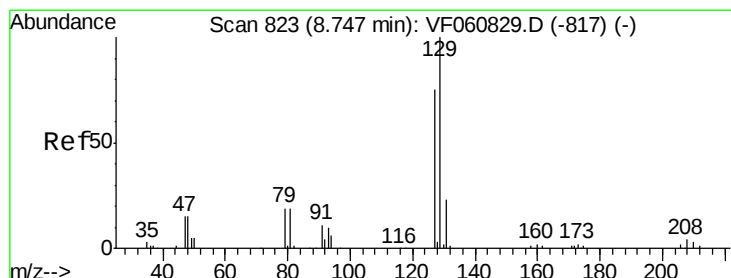
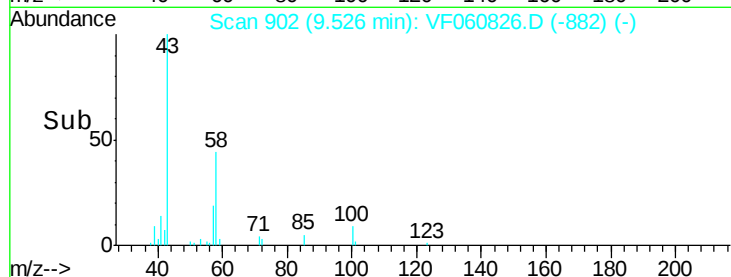
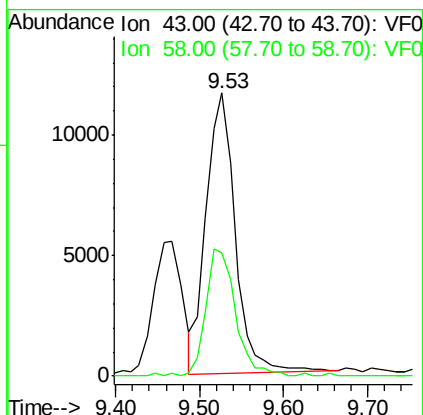
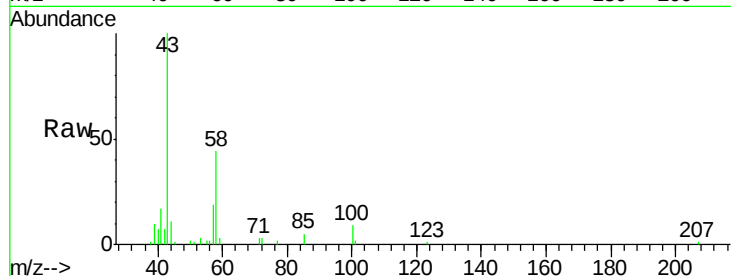




#59
2-Hexanone
Concen: 27.524 ug/l
RT: 9.53 min Scan# 902
Delta R.T. 0.00 min
Lab File: VF060826.D
Acq: 26 Nov 2018 17:04

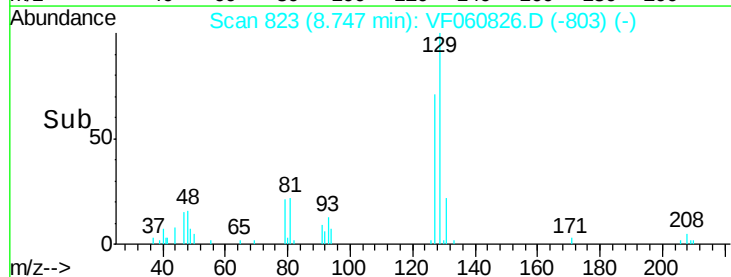
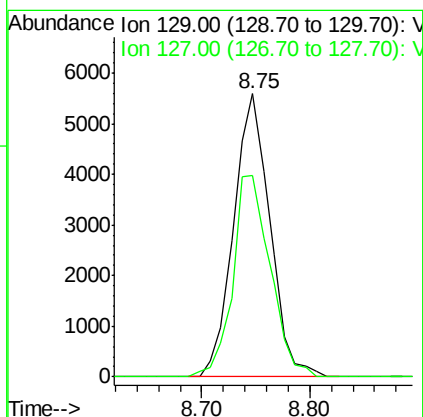
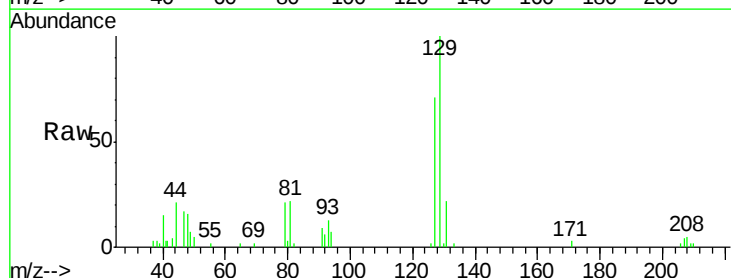
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

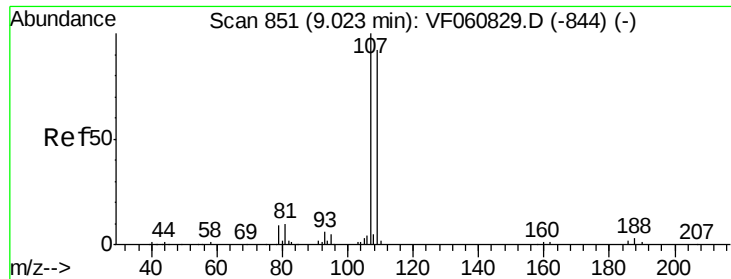
Tgt Ion: 43 Resp: 27959
Ion Ratio Lower Upper
43 100
58 43.6 25.6 76.6



#60
Dibromochloromethane
Concen: 5.260 ug/l
RT: 8.75 min Scan# 823
Delta R.T. 0.00 min
Lab File: VF060826.D
Acq: 26 Nov 2018 17:04

Tgt Ion: 129 Resp: 13064
Ion Ratio Lower Upper
129 100
127 71.1 37.3 111.9





#61

1,2-Dibromoethane

Concen: 5.049 ug/l

RT: 9.01 min Scan# 850

Delta R.T. -0.01 min

Lab File: VF060826.D

Acq: 26 Nov 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

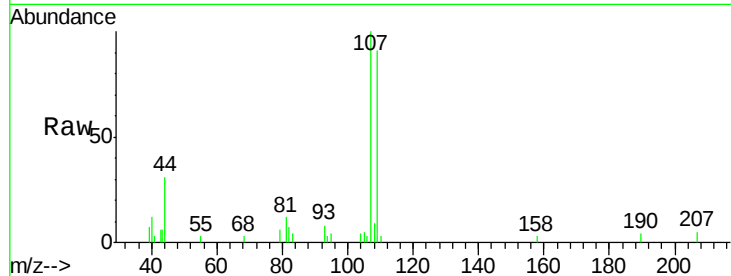
VSTDIC005

Tgt Ion: 107 Resp: 9154

Ion Ratio Lower Upper

107 100

109 91.5 73.6 110.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.01

4000

3000

2000

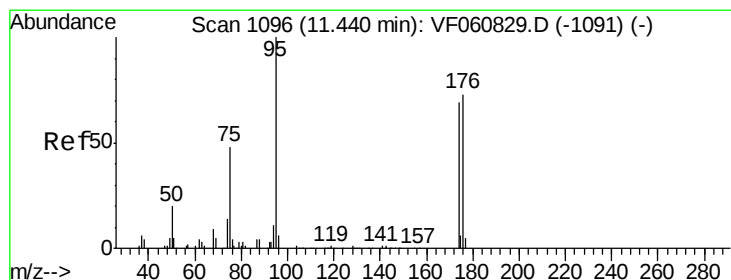
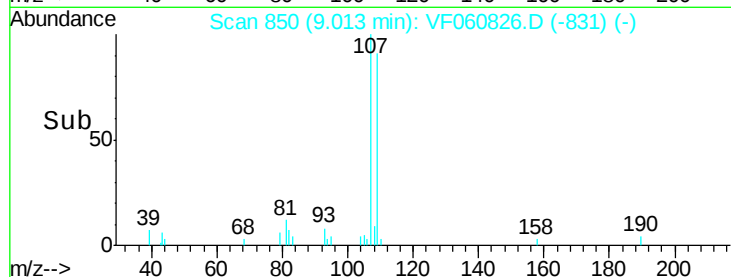
1000

0

Time--> 8.90

9.00

9.10



#62

4-Bromofluorobenzene

Concen: 5.189 ug/l

RT: 11.43 min Scan# 1095

Delta R.T. -0.01 min

Lab File: VF060826.D

Acq: 26 Nov 2018 17:04

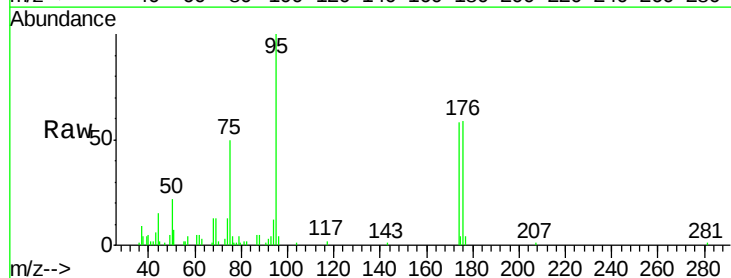
Tgt Ion: 95 Resp: 18784

Ion Ratio Lower Upper

95 100

174 57.8 0.0 138.2

176 58.9 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

15000

11000

11.43

10000

5000

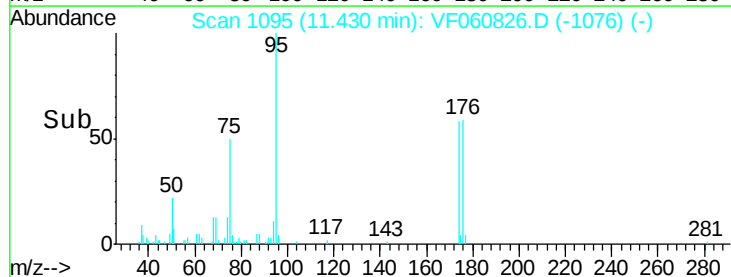
0

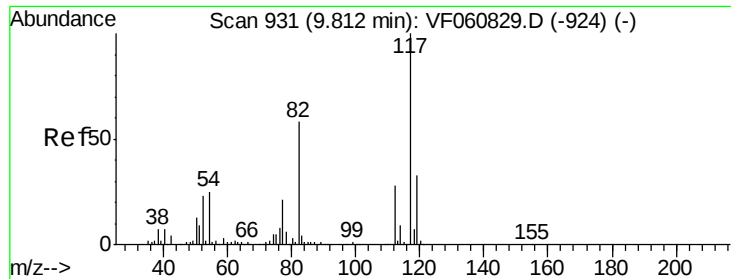
Time--> 11.35

11.40

11.45

11.50

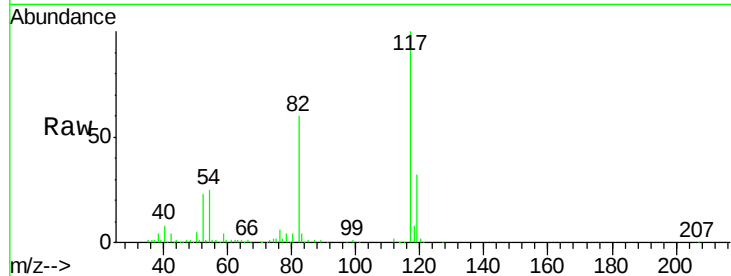




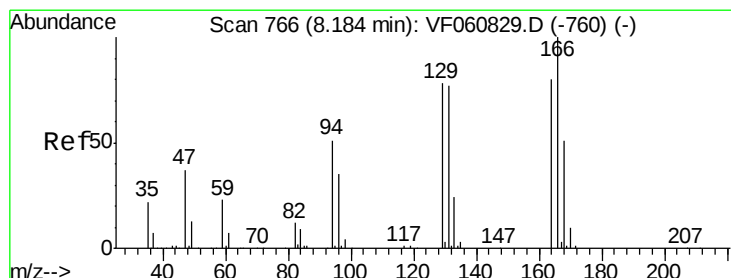
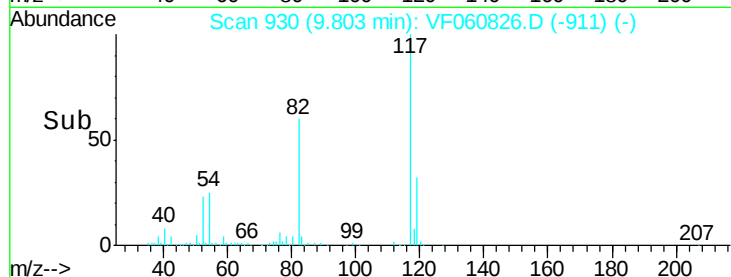
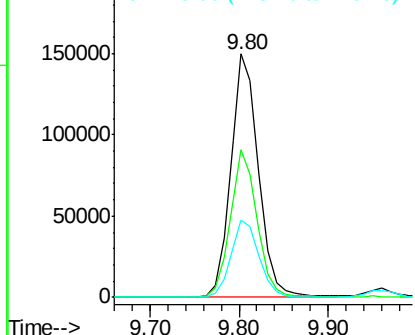
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 930
Delta R.T. -0.01 min
Lab File: VF060826.D
Acq: 26 Nov 2018 17:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tgt Ion:117 Resp: 325718
Ion Ratio Lower Upper
117 100
82 60.4 46.6 69.8
119 31.6 26.4 39.6

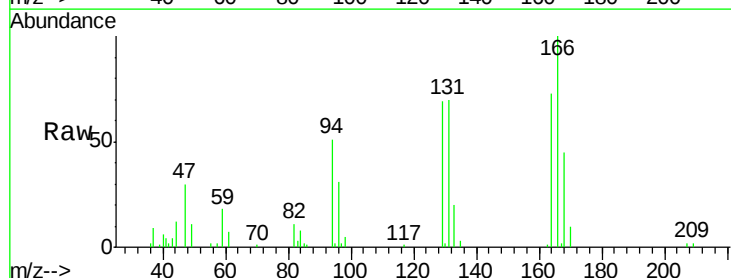


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

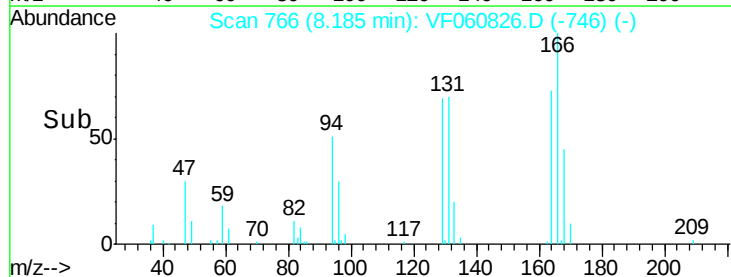
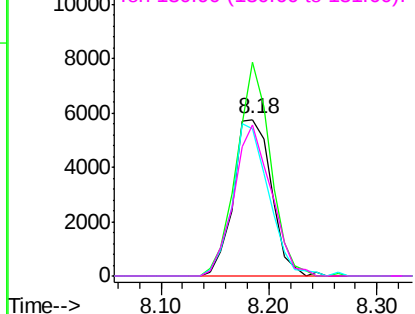


#64
Tetrachloroethene
Concen: 5.626 ug/l
RT: 8.18 min Scan# 766
Delta R.T. 0.00 min
Lab File: VF060826.D
Acq: 26 Nov 2018 17:04

Tgt Ion:164 Resp: 14074
Ion Ratio Lower Upper
164 100
166 136.2 100.3 150.5
129 94.3 77.9 116.9
131 96.0 77.5 116.3



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

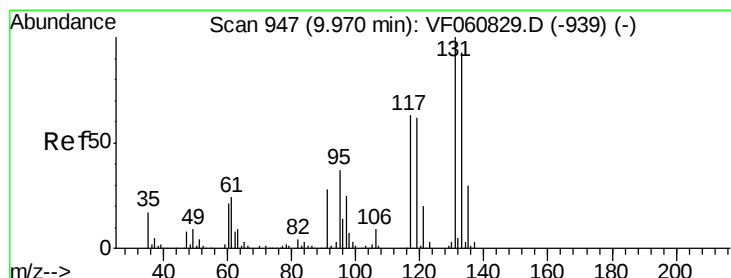
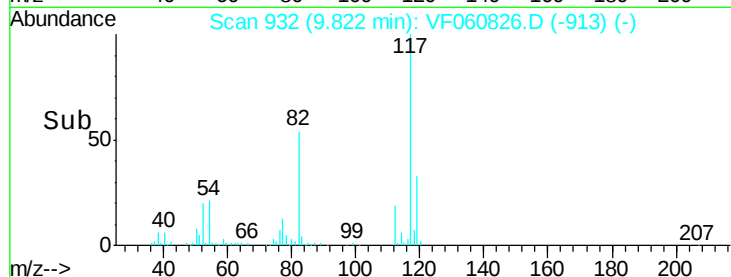
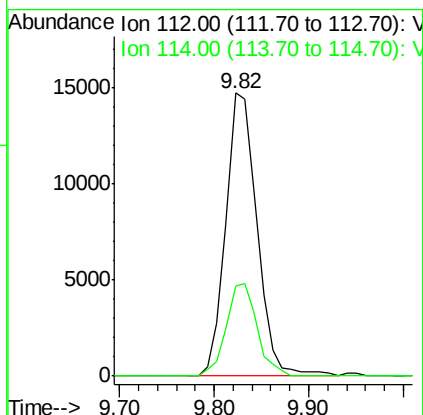
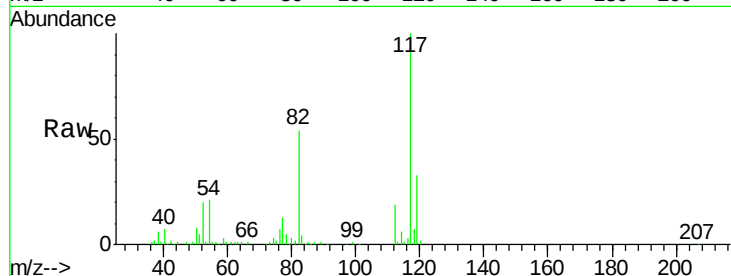




#65
Chlorobenzene
Concen: 5.173 ug/l
RT: 9.82 min Scan# 932
Delta R.T. -0.01 min
Lab File: VF060826.D
Acq: 26 Nov 2018 17:04

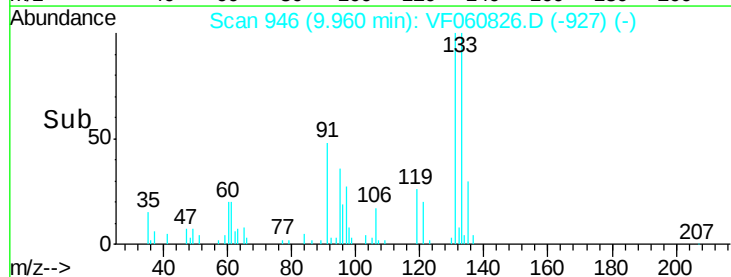
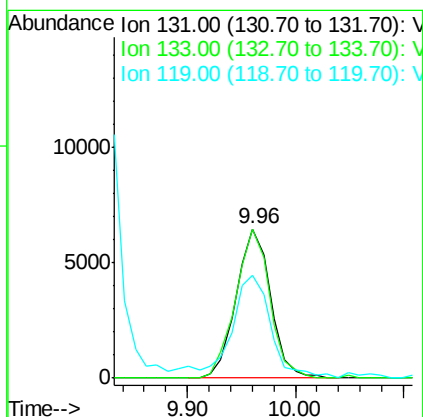
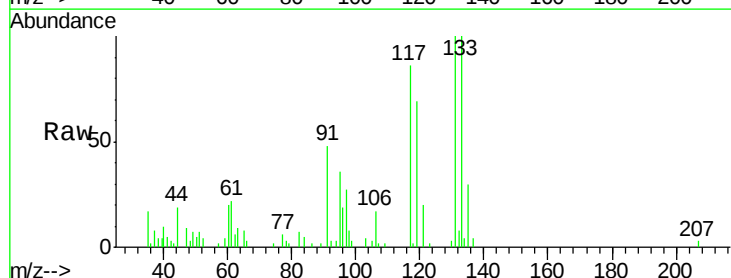
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tgt Ion:112 Resp: 33808
Ion Ratio Lower Upper
112 100
114 31.9 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 5.119 ug/l
RT: 9.96 min Scan# 946
Delta R.T. -0.01 min
Lab File: VF060826.D
Acq: 26 Nov 2018 17:04

Tgt Ion:131 Resp: 14326
Ion Ratio Lower Upper
131 100
133 100.3 46.5 139.3
119 69.4 31.1 93.3

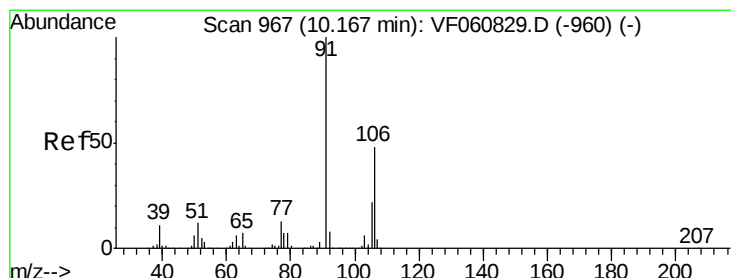
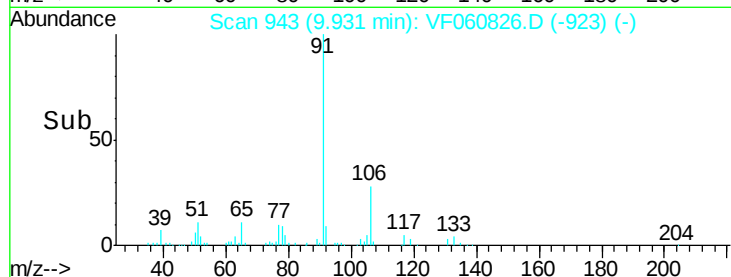
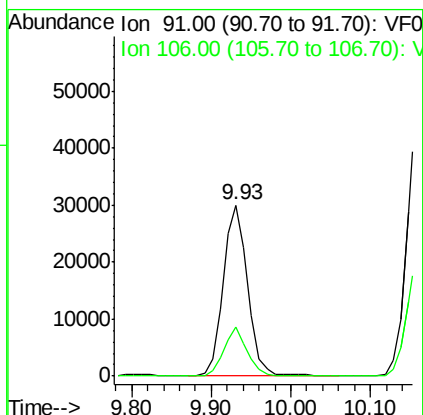
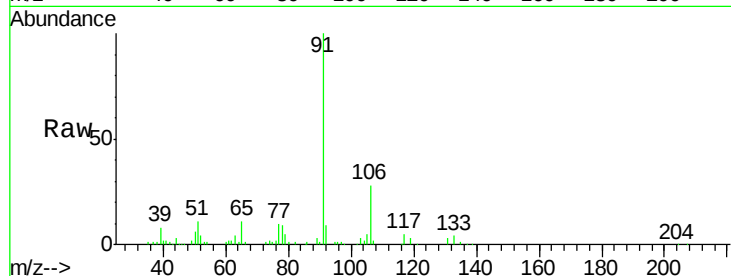




#67
Ethyl Benzene
Concen: 5.295 ug/l
RT: 9.93 min Scan# 943
Delta R.T. 0.00 min
Lab File: VF060826.D
Acq: 26 Nov 2018 17:04

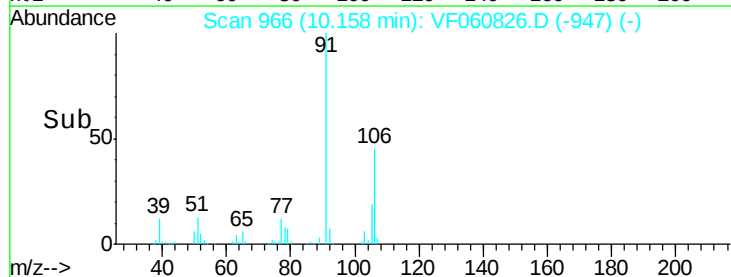
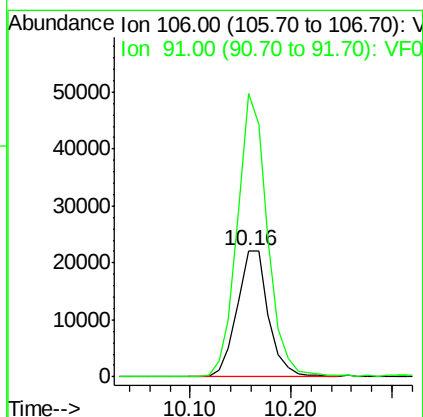
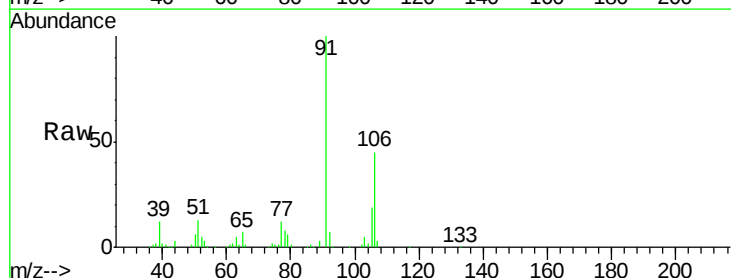
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

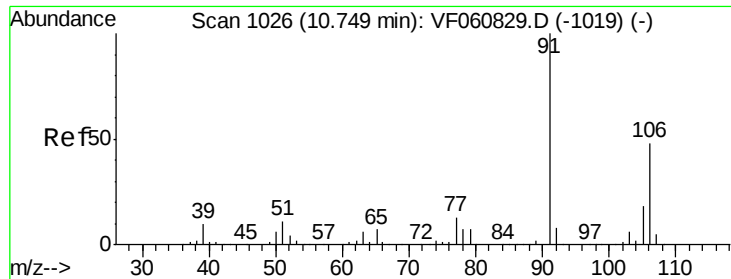
Tgt Ion: 91 Resp: 64810
Ion Ratio Lower Upper
91 100
106 28.5 22.2 33.2



#68
m/p-Xylenes
Concen: 11.082 ug/l
RT: 10.16 min Scan# 966
Delta R.T. -0.01 min
Lab File: VF060826.D
Acq: 26 Nov 2018 17:04

Tgt Ion: 106 Resp: 48307
Ion Ratio Lower Upper
106 100
91 223.9 166.7 250.1

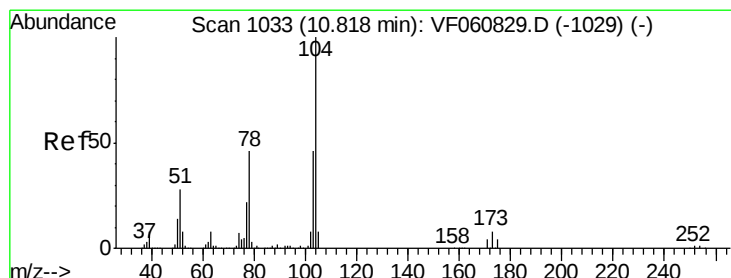
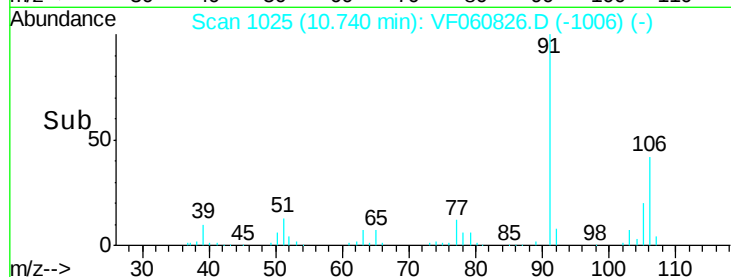
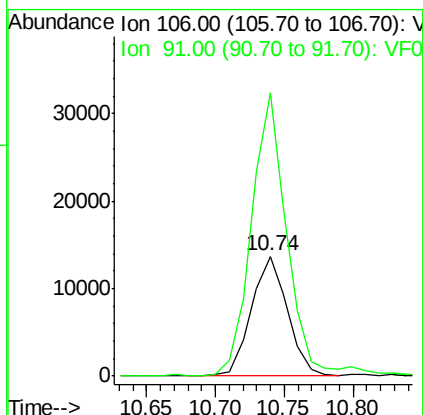
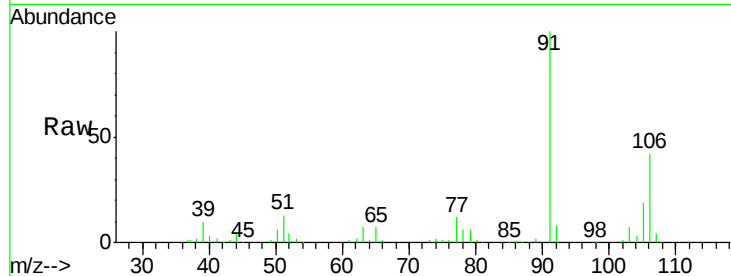




#69
o-Xylene
Concen: 5.147 ug/l
RT: 10.74 min Scan# 1025
Delta R.T. -0.01 min
Lab File: VF060826.D
Acq: 26 Nov 2018 17:04

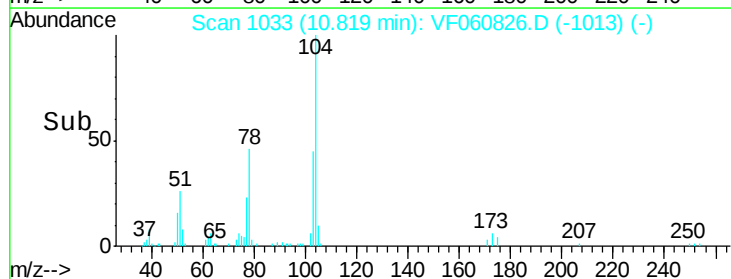
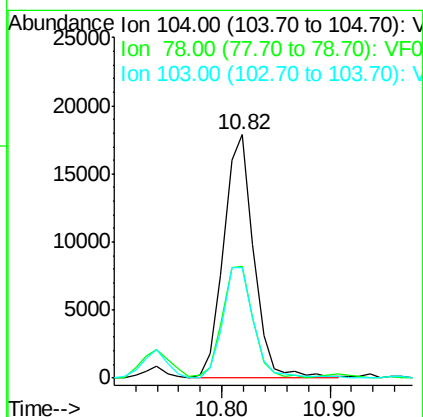
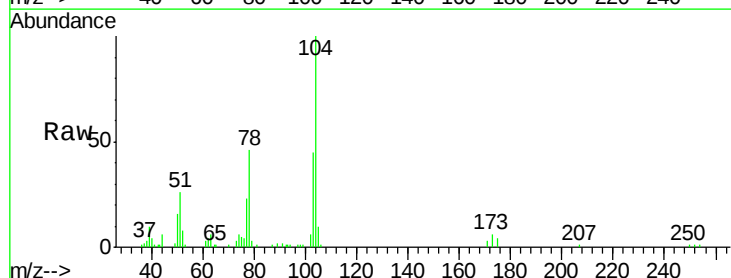
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

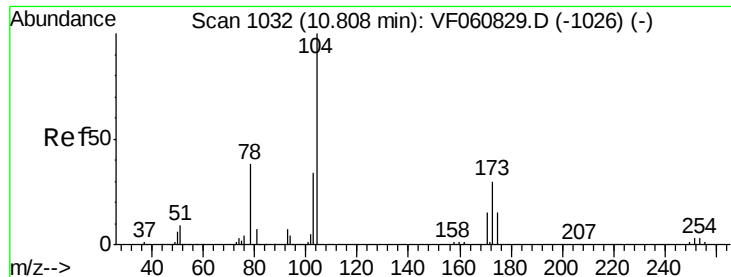
Tgt Ion:106 Resp: 25127
Ion Ratio Lower Upper
106 100
91 236.8 104.8 314.6



#70
Styrene
Concen: 5.214 ug/l
RT: 10.82 min Scan# 1033
Delta R.T. 0.00 min
Lab File: VF060826.D
Acq: 26 Nov 2018 17:04

Tgt Ion:104 Resp: 34756
Ion Ratio Lower Upper
104 100
78 45.7 37.3 55.9
103 45.5 36.8 55.2





#71

Bromoform

Concen: 4.804 ug/l

RT: 10.80 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VF060826.D

Acq: 26 Nov 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

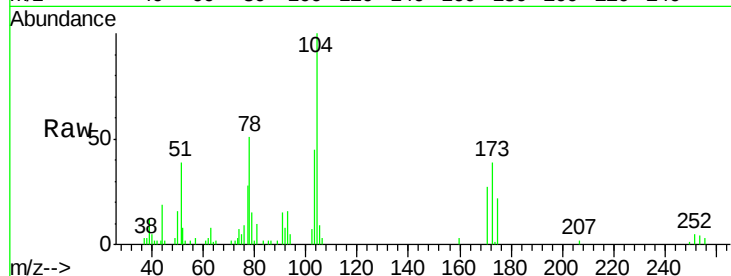
Tgt Ion:173 Resp: 6108

Ion Ratio Lower Upper

173 100

175 56.6 25.5 76.5

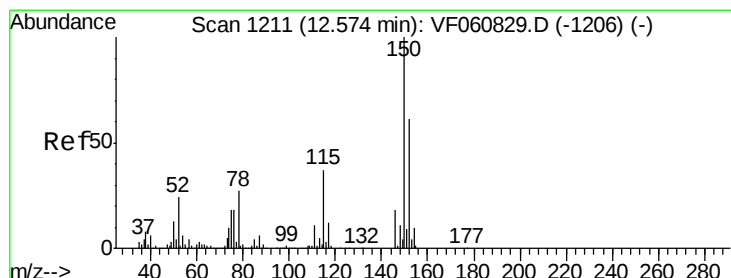
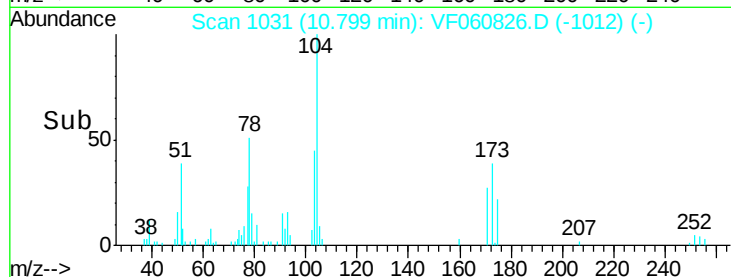
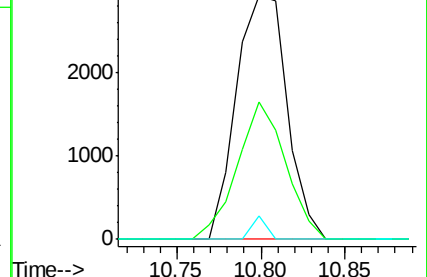
254 9.6 7.5 11.3



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: 12.57 min Scan# 1211

Delta R.T. 0.00 min

Lab File: VF060826.D

Acq: 26 Nov 2018 17:04

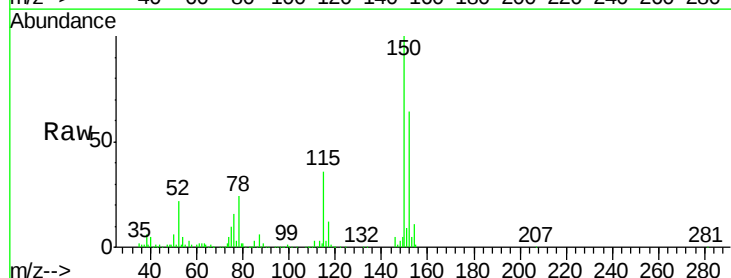
Tgt Ion:152 Resp: 177814

Ion Ratio Lower Upper

152 100

115 57.0 30.1 90.5

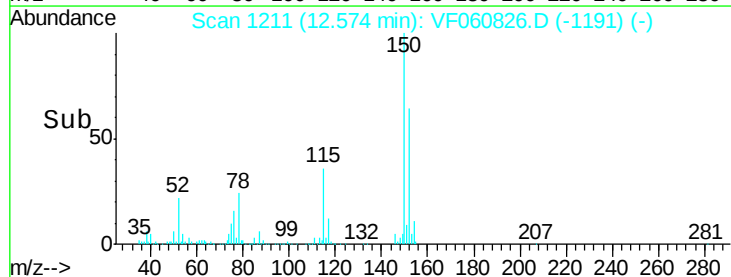
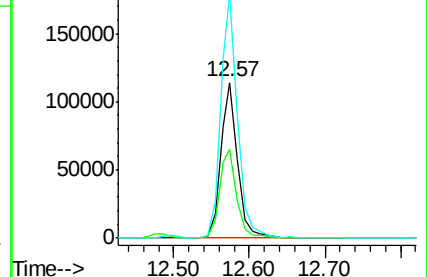
150 156.3 0.0 327.6

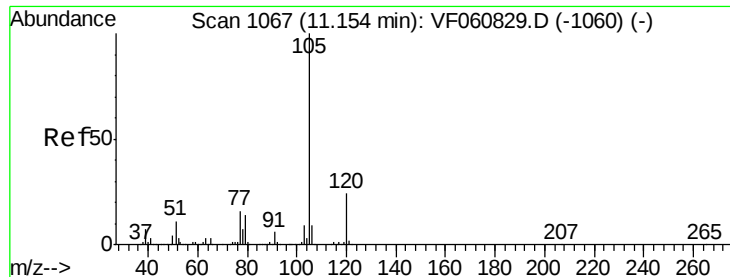


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 5.389 ug/l

RT: 11.14 min Scan# 1066

Delta R.T. -0.01 min

Lab File: VF060826.D

Acq: 26 Nov 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

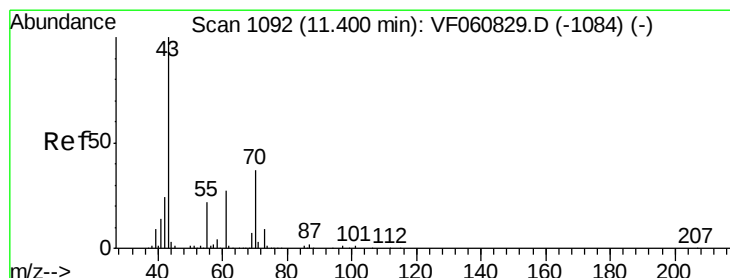
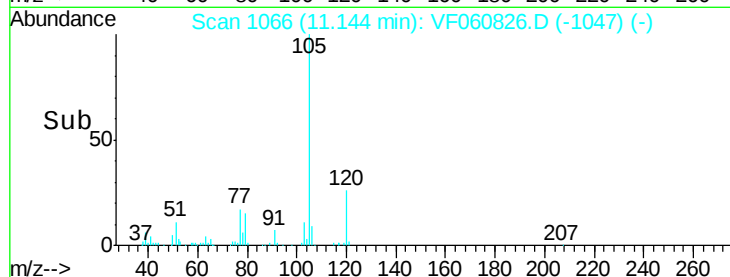
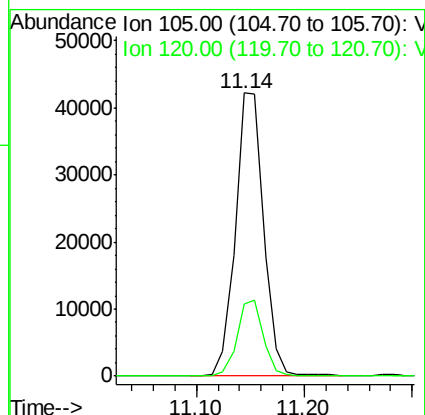
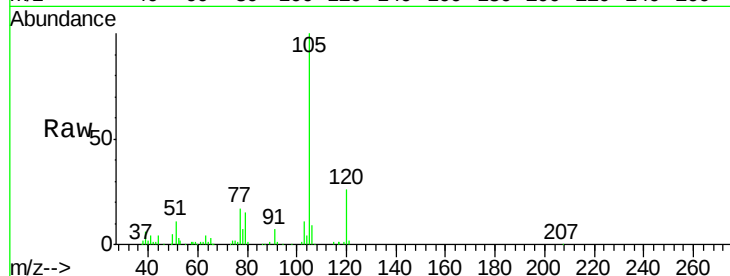
VSTDIC005

Tgt Ion:105 Resp: 76789

Ion Ratio Lower Upper

105 100

120 25.6 12.2 36.4



#74

N-ethyl acetate

Concen: 4.871 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.01 min

Lab File: VF060826.D

Acq: 26 Nov 2018 17:04

Tgt Ion: 43 Resp: 16015

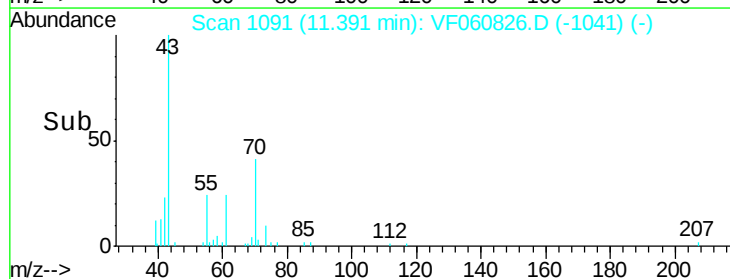
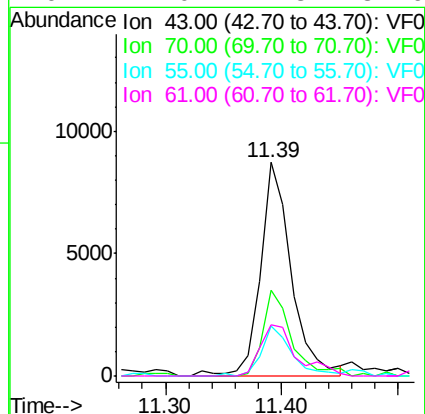
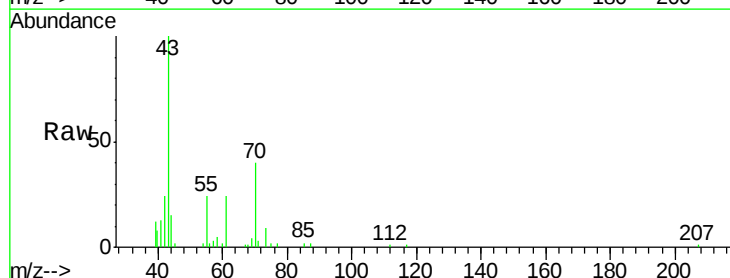
Ion Ratio Lower Upper

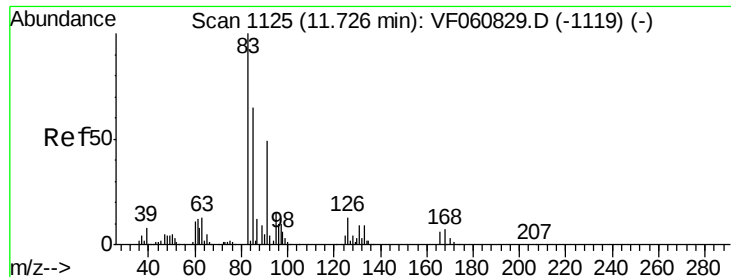
43 100

70 40.0 29.6 44.4

55 23.6 17.2 25.8

61 24.0 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 4.769 ug/l

RT: 11.72 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VF060826.D

Acq: 26 Nov 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

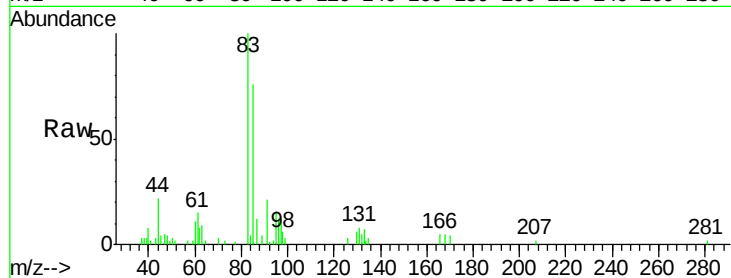
Tgt Ion: 83 Resp: 11197

Ion Ratio Lower Upper

83 100

131 8.2 4.7 14.1

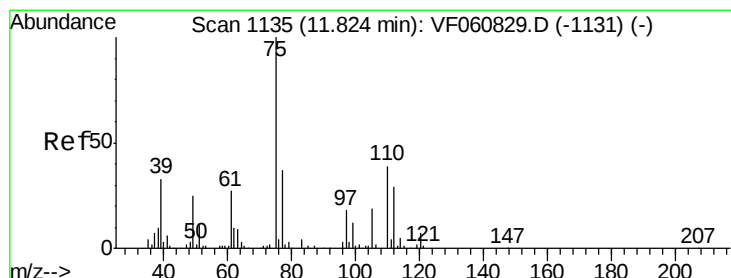
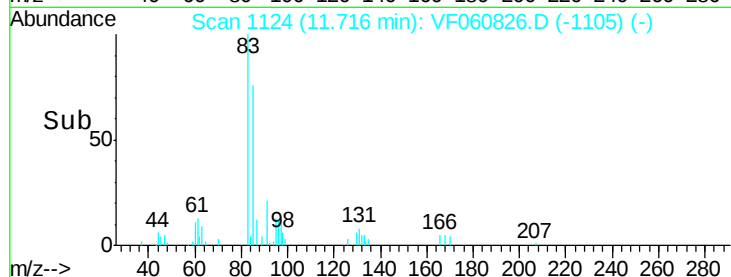
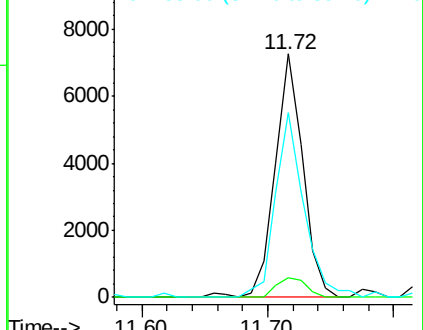
85 75.9 32.6 97.8



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: 5.234 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VF060826.D

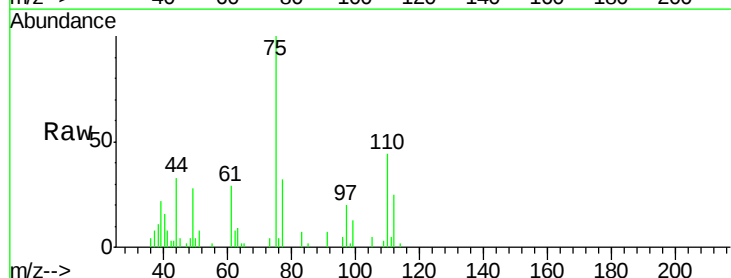
Acq: 26 Nov 2018 17:04

Tgt Ion: 75 Resp: 9235

Ion Ratio Lower Upper

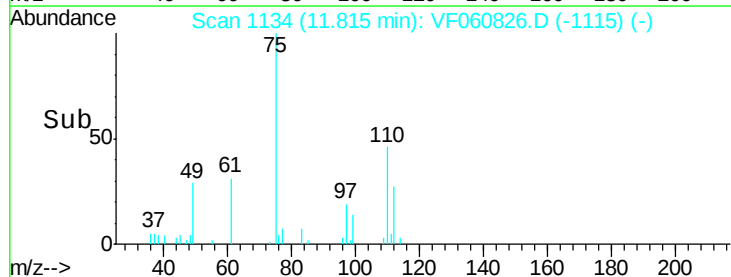
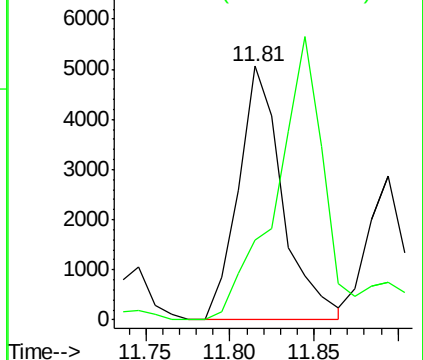
75 100

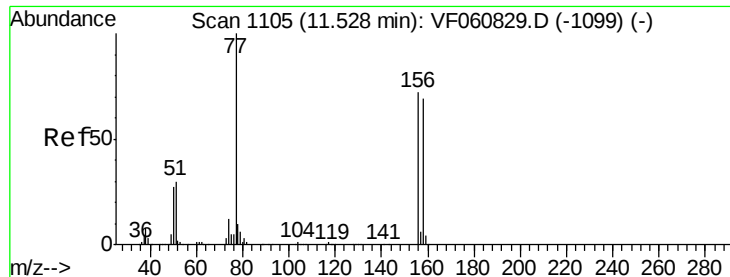
77 31.5 18.4 55.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

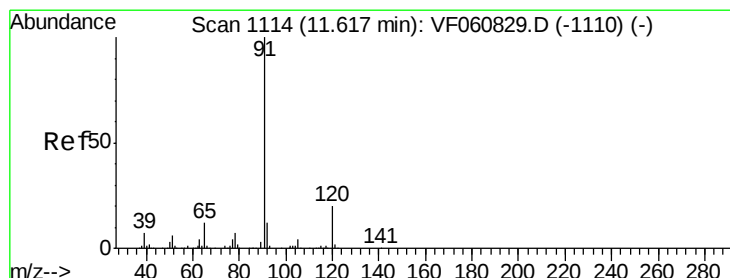
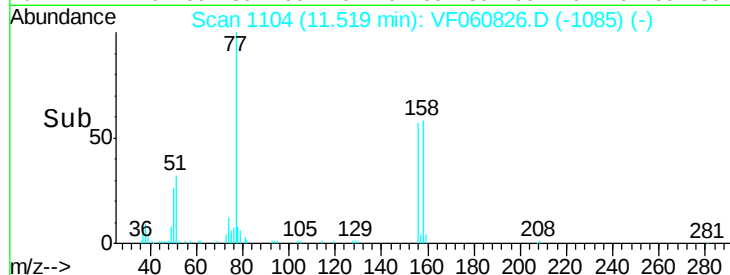
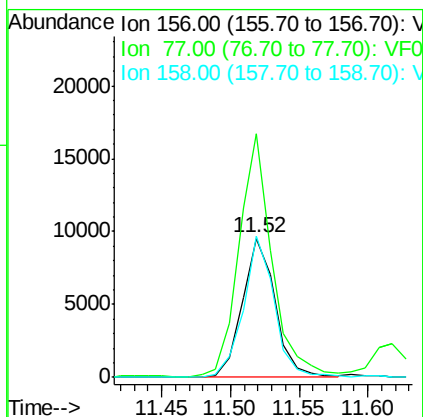
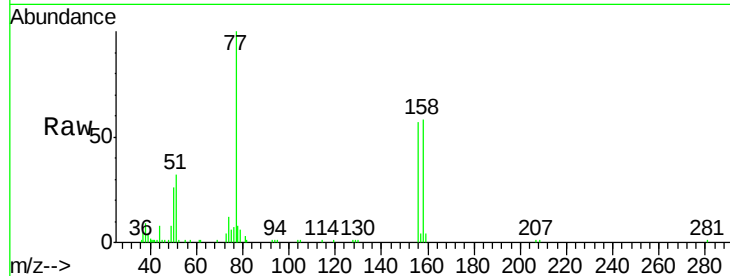




#77
Bromobenzene
Concen: 5.279 ug/l
RT: 11.52 min Scan# 1104
Delta R.T. -0.01 min
Lab File: VF060826.D
Acq: 26 Nov 2018 17:04

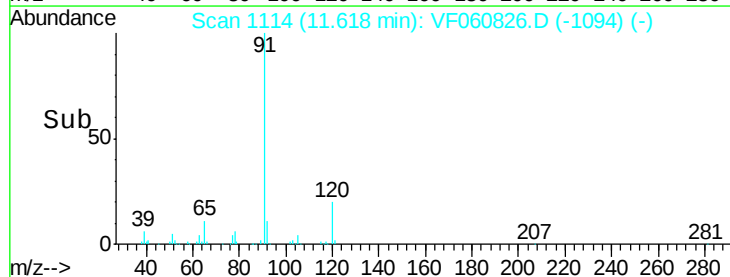
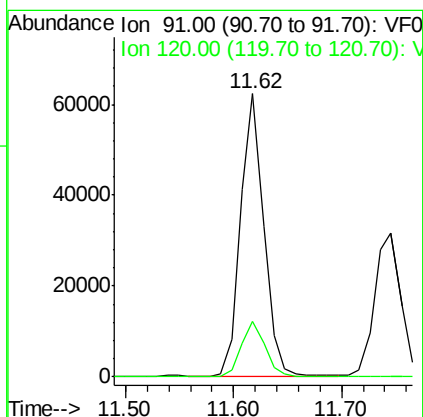
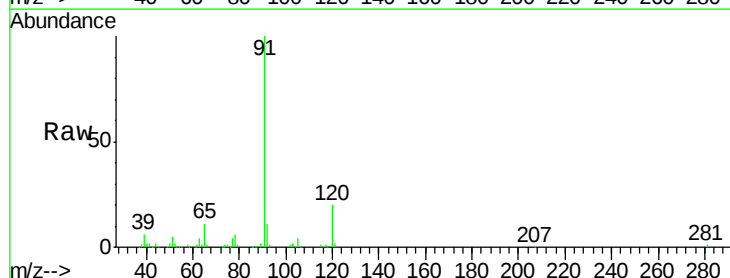
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

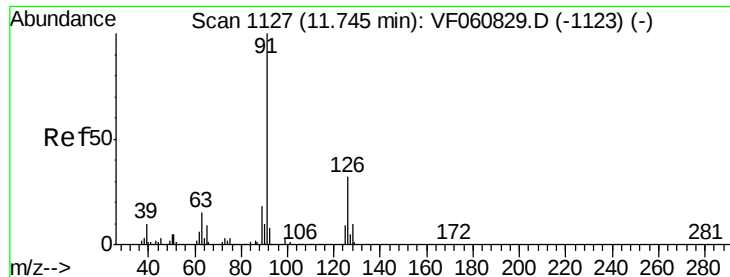
Tgt Ion: 156 Resp: 15941
Ion Ratio Lower Upper
156 100
77 175.1 69.7 209.0
158 101.7 47.8 143.4



#78
n-propylbenzene
Concen: 5.594 ug/l
RT: 11.62 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VF060826.D
Acq: 26 Nov 2018 17:04

Tgt Ion: 91 Resp: 94179
Ion Ratio Lower Upper
91 100
120 19.8 10.3 30.8





#79

2-Chlorotoluene

Concen: 5.475 ug/l

RT: 11.75 min Scan# 1127

Delta R.T. 0.00 min

Lab File: VF060826.D

Acq: 26 Nov 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

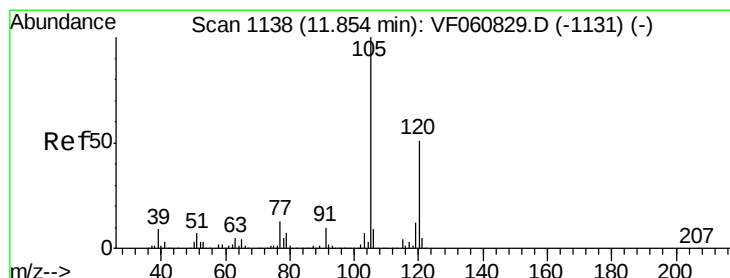
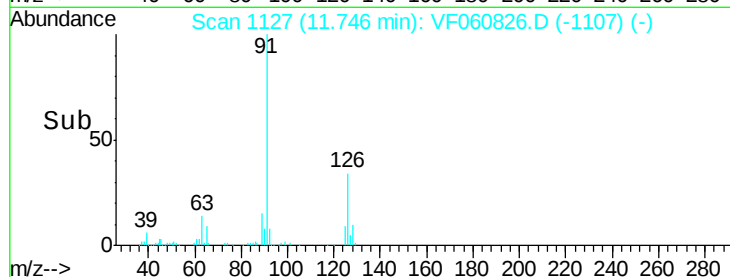
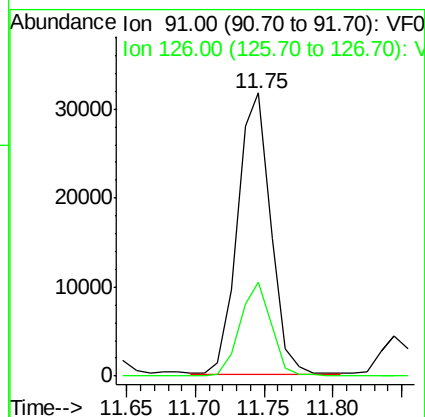
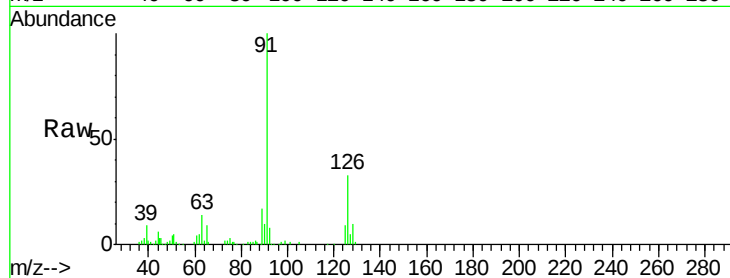
VSTDIC005

Tgt Ion: 91 Resp: 52975

Ion Ratio Lower Upper

91 100

126 33.2 15.9 47.6



#80

1,3,5-Trimethylbenzene

Concen: 5.631 ug/l

RT: 11.84 min Scan# 1137

Delta R.T. -0.01 min

Lab File: VF060826.D

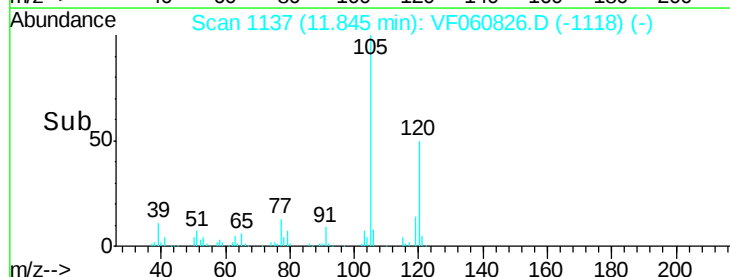
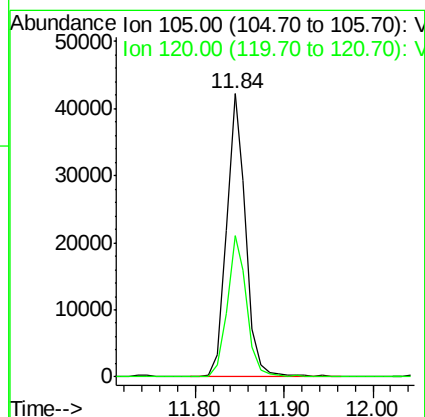
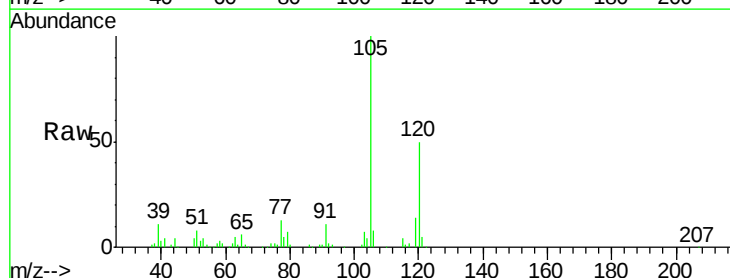
Acq: 26 Nov 2018 17:04

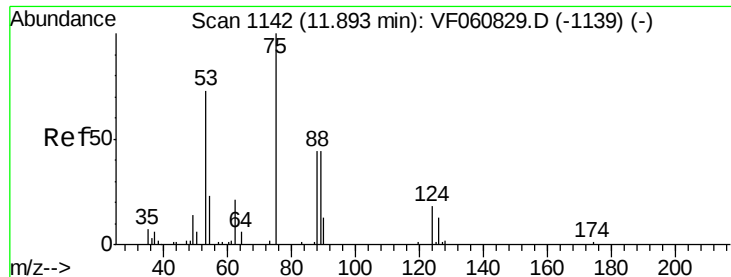
Tgt Ion: 105 Resp: 63991

Ion Ratio Lower Upper

105 100

120 50.1 25.8 77.3





#81

trans-1,4-Dichloro-2-butene

Concen: 7.092 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF060826.D

Acq: 26 Nov 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

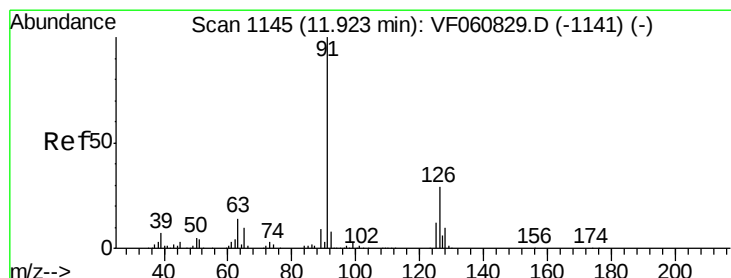
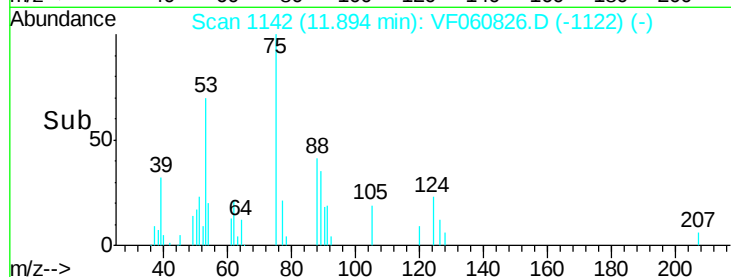
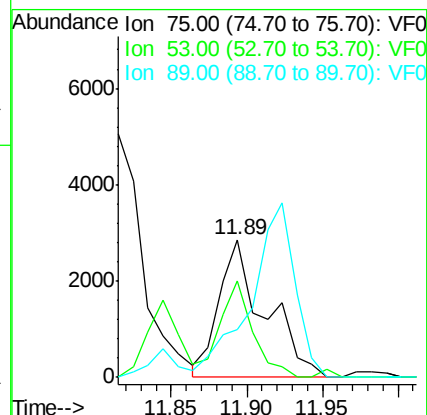
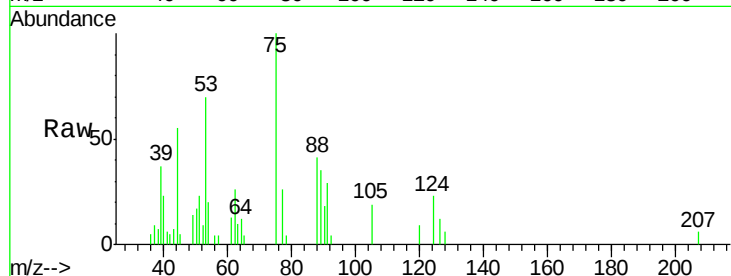
Tgt Ion: 75 Resp: 6067

Ion Ratio Lower Upper

75 100

53 69.6 65.9 98.9

89 35.0 38.8 58.2#



#82

4-Chlorotoluene

Concen: 5.919 ug/l

RT: 11.92 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VF060826.D

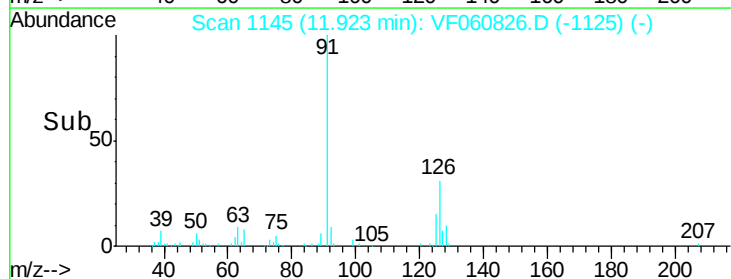
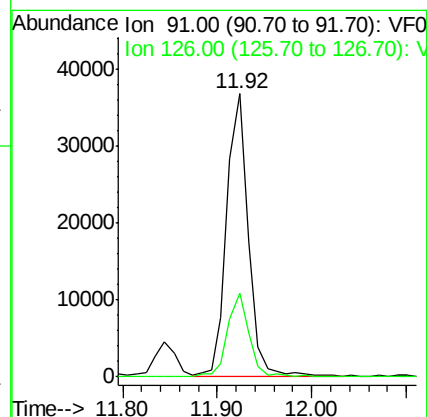
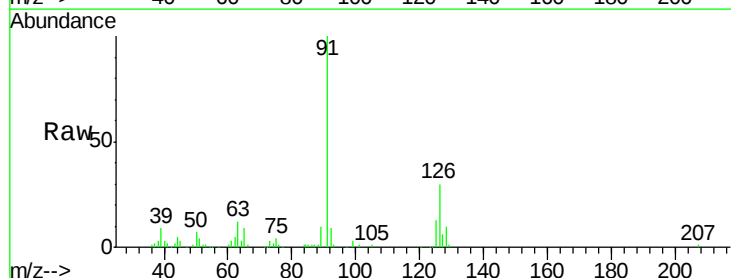
Acq: 26 Nov 2018 17:04

Tgt Ion: 91 Resp: 58846

Ion Ratio Lower Upper

91 100

126 29.8 14.8 44.4

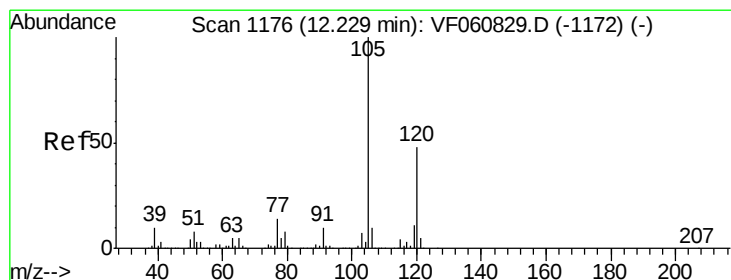
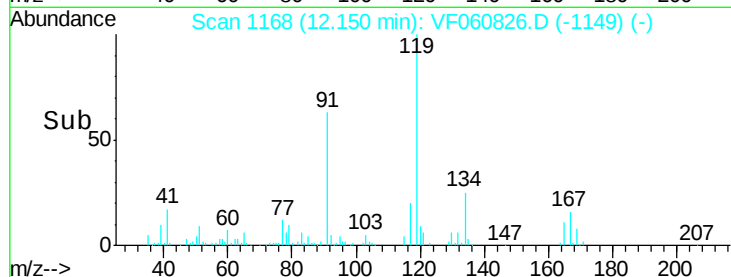
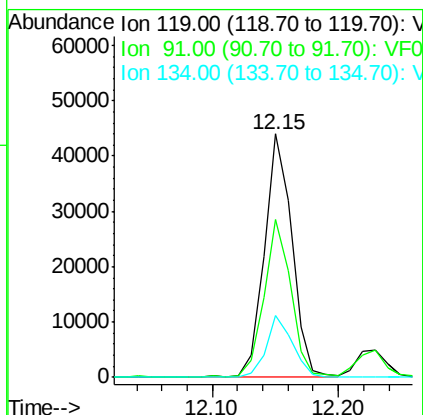
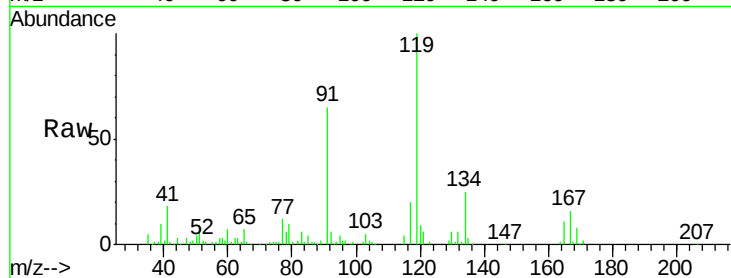




#83
 tert-Butylbenzene
 Concen: 5.647 ug/l
 RT: 12.15 min Scan# 1168
 Delta R.T. -0.01 min
 Lab File: VF060826.D
 Acq: 26 Nov 2018 17:04

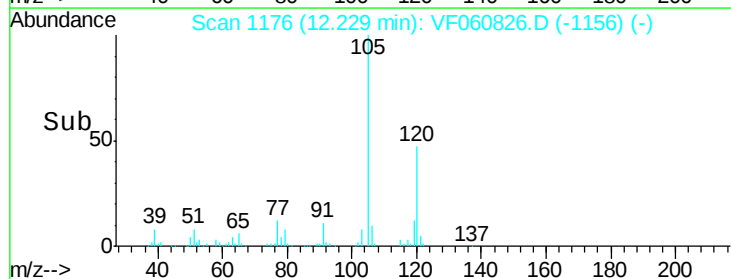
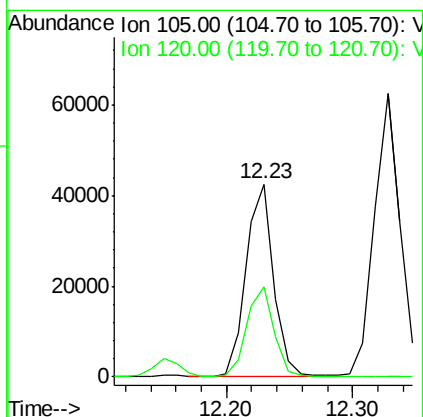
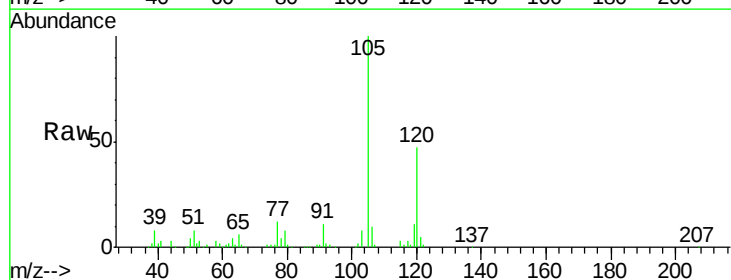
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

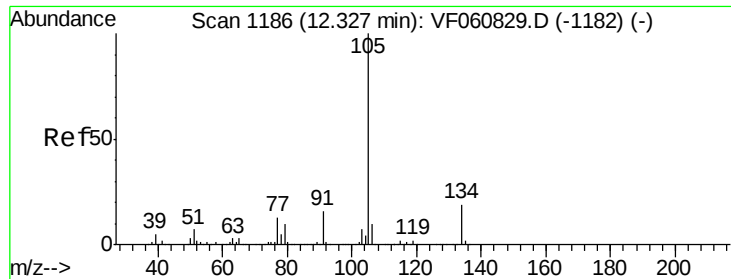
Tgt Ion:119 Resp: 67120
 Ion Ratio Lower Upper
 119 100
 91 64.8 30.1 90.3
 134 25.2 12.6 37.8



#84
 1,2,4-Trimethylbenzene
 Concen: 5.502 ug/l
 RT: 12.23 min Scan# 1176
 Delta R.T. 0.00 min
 Lab File: VF060826.D
 Acq: 26 Nov 2018 17:04

Tgt Ion:105 Resp: 64789
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.8 71.5

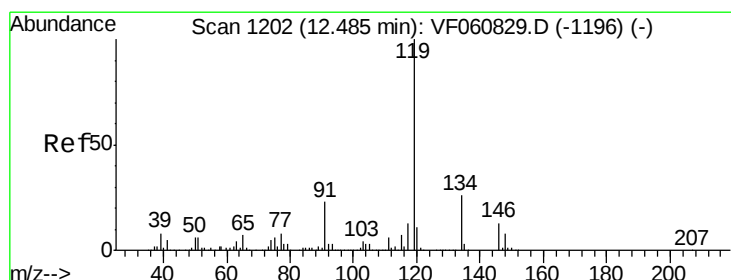
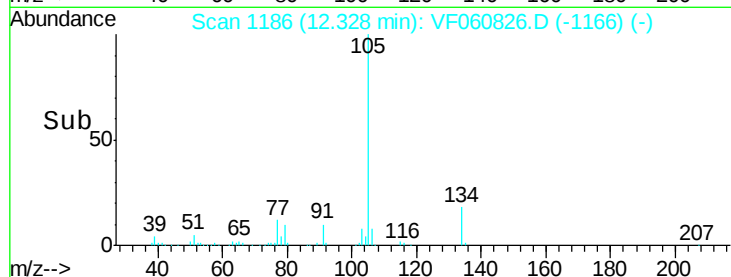
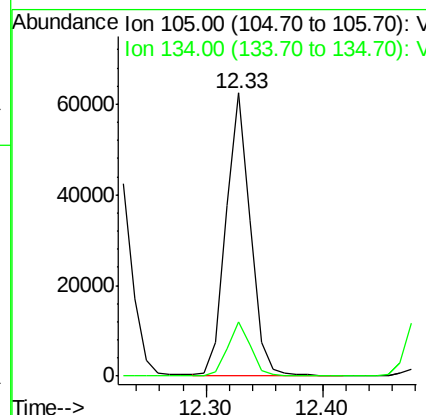
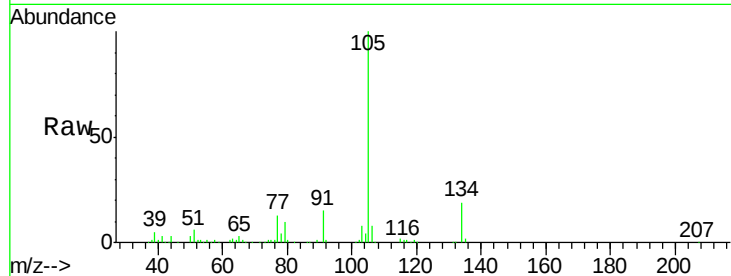




#85
 sec-Butylbenzene
 Concen: 5.566 ug/l
 RT: 12.33 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: VF060826.D
 Acq: 26 Nov 2018 17:04

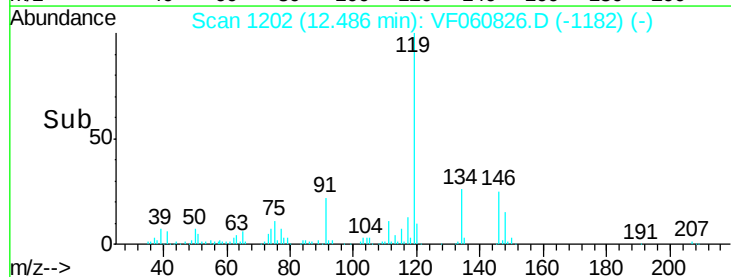
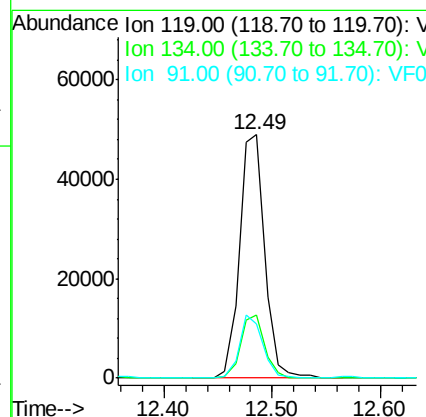
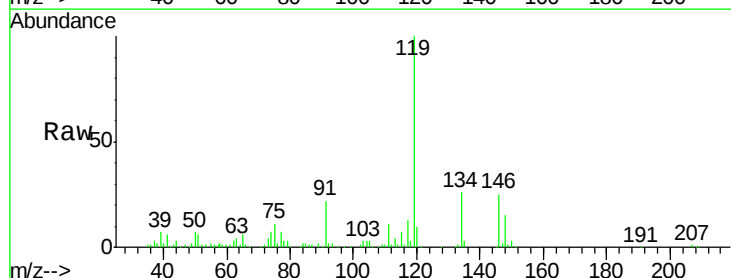
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

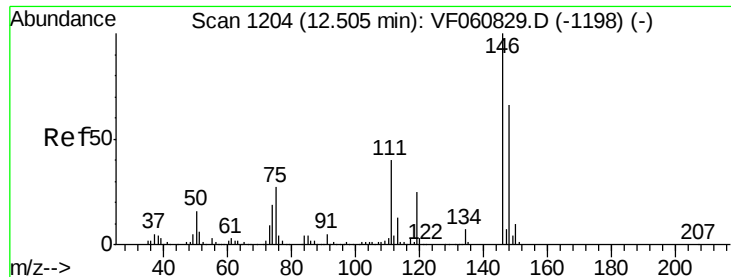
Tgt Ion:105 Resp: 90476
 Ion Ratio Lower Upper
 105 100
 134 19.0 9.5 28.5



#86
 p-Isopropyltoluene
 Concen: 5.880 ug/l
 RT: 12.49 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VF060826.D
 Acq: 26 Nov 2018 17:04

Tgt Ion:119 Resp: 79354
 Ion Ratio Lower Upper
 119 100
 134 25.7 12.9 38.6
 91 22.3 11.8 35.3

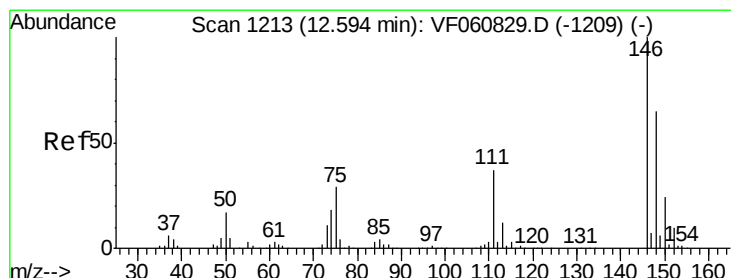
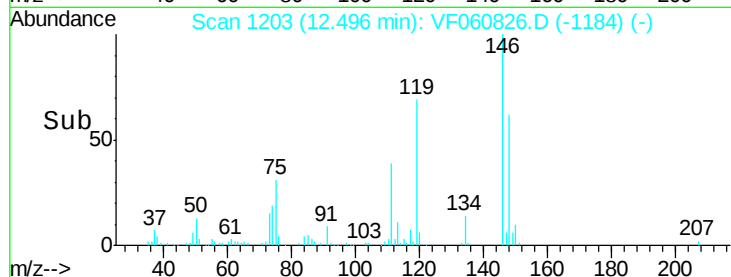
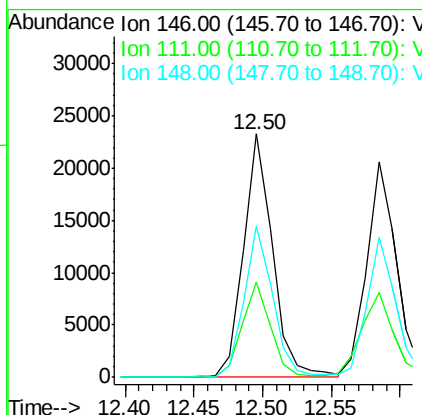
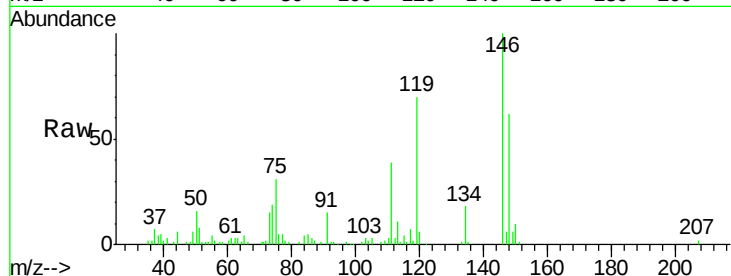




#87
 1,3-Dichlorobenzene
 Concen: 5.816 ug/l
 RT: 12.50 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: VF060826.D
 Acq: 26 Nov 2018 17:04

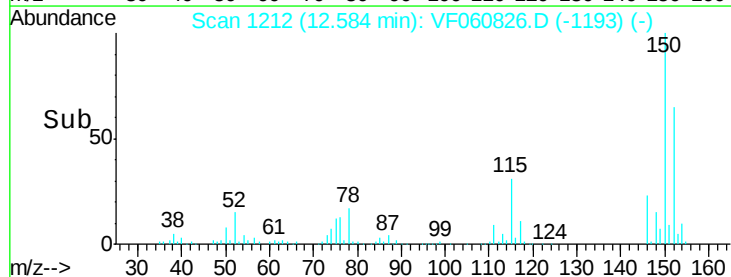
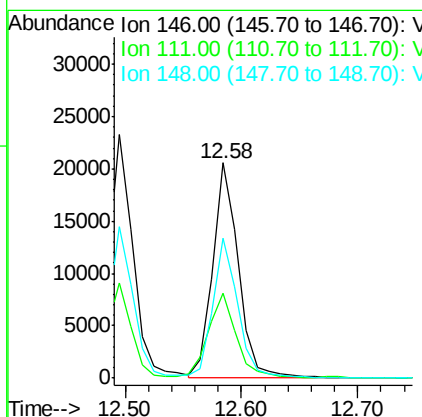
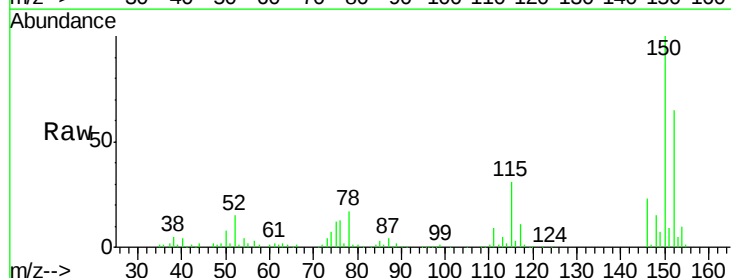
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

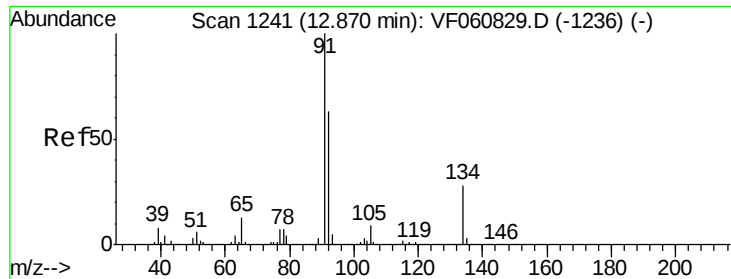
Tgt Ion:146 Resp: 34465
 Ion Ratio Lower Upper
 146 100
 111 39.0 20.0 59.9
 148 62.0 32.9 98.6



#88
 1,4-Dichlorobenzene
 Concen: 5.575 ug/l
 RT: 12.58 min Scan# 1212
 Delta R.T. -0.01 min
 Lab File: VF060826.D
 Acq: 26 Nov 2018 17:04

Tgt Ion:146 Resp: 31650
 Ion Ratio Lower Upper
 146 100
 111 39.5 18.9 56.7
 148 64.8 32.3 96.9

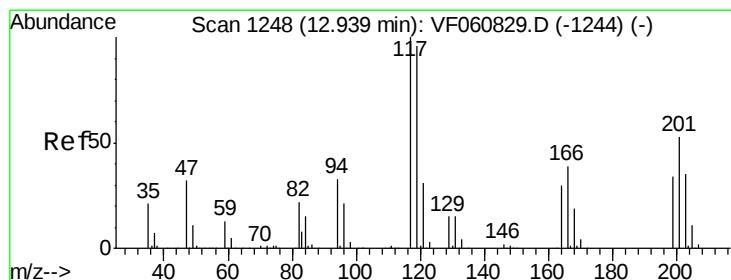
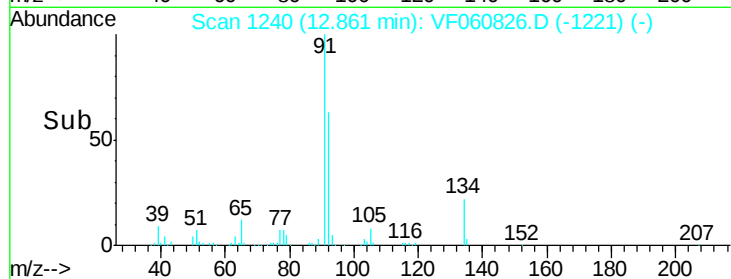
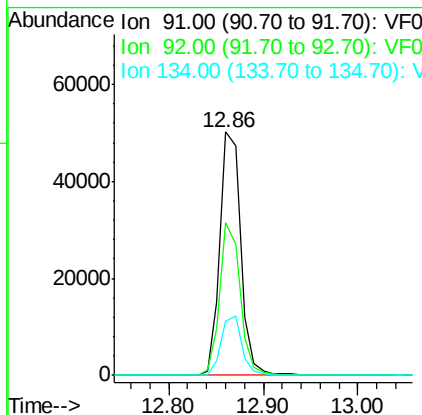
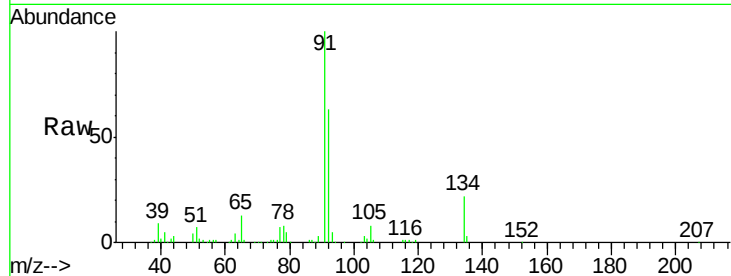




#89
n-Butylbenzene
Concen: 5.527 ug/l
RT: 12.86 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VF060826.D
Acq: 26 Nov 2018 17:04

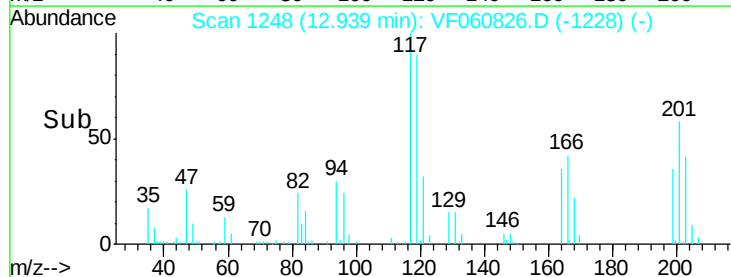
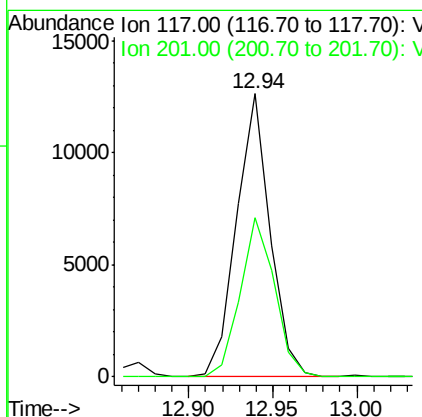
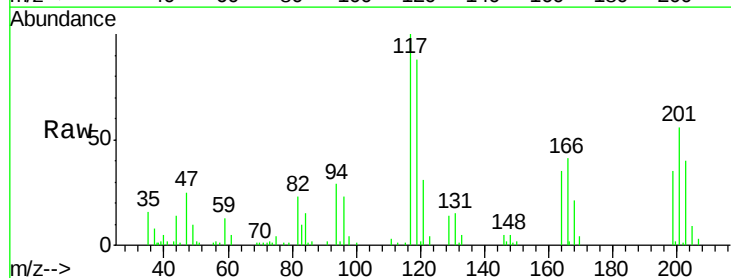
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tgt Ion: 91 Resp: 77311
Ion Ratio Lower Upper
91 100
92 62.7 31.6 94.7
134 22.3 13.8 41.4



#90
Hexachloroethane
Concen: 5.310 ug/l
RT: 12.94 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VF060826.D
Acq: 26 Nov 2018 17:04

Tgt Ion: 117 Resp: 17554
Ion Ratio Lower Upper
117 100
201 56.1 26.7 80.1





#91

1,2-Dichlorobenzene

Concen: 5.546 ug/l

RT: 12.96 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VF060826.D

Acq: 26 Nov 2018 17:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

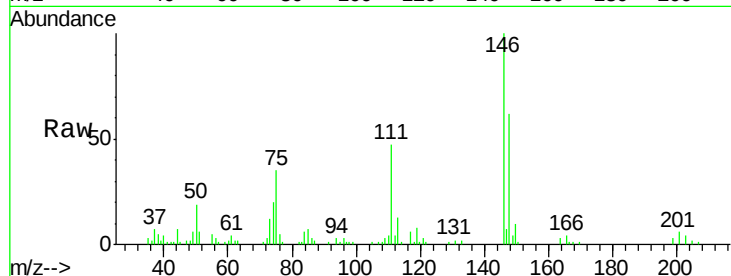
Tgt Ion:146 Resp: 31152

Ion Ratio Lower Upper

146 100

111 46.7 21.2 63.6

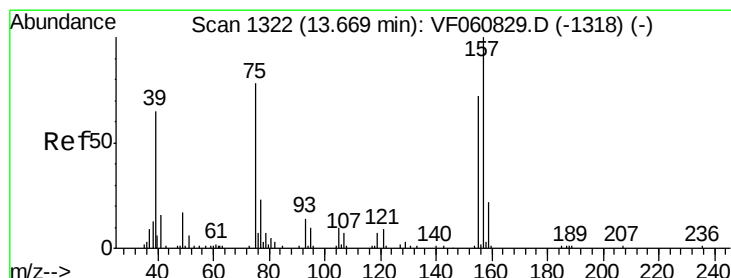
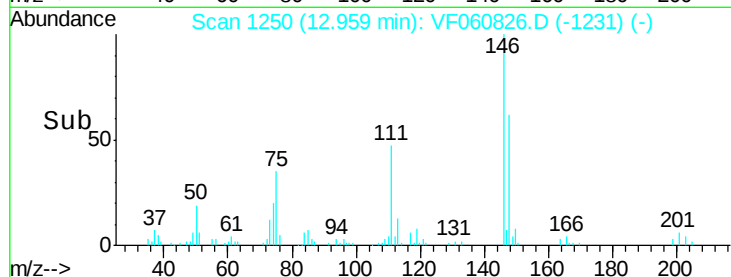
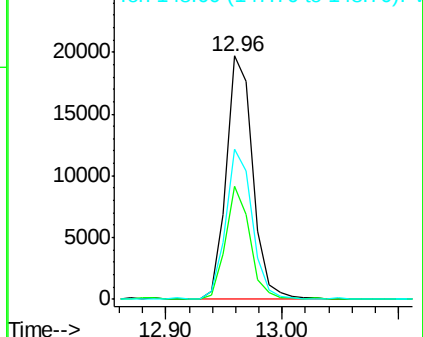
148 61.9 32.5 97.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 5.284 ug/l

RT: 13.66 min Scan# 1321

Delta R.T. -0.01 min

Lab File: VF060826.D

Acq: 26 Nov 2018 17:04

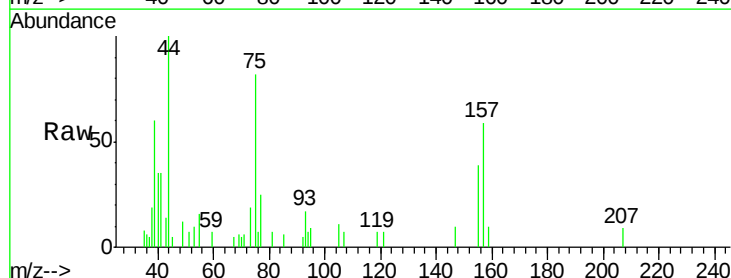
Tgt Ion: 75 Resp: 2330

Ion Ratio Lower Upper

75 100

155 47.3 45.6 136.9

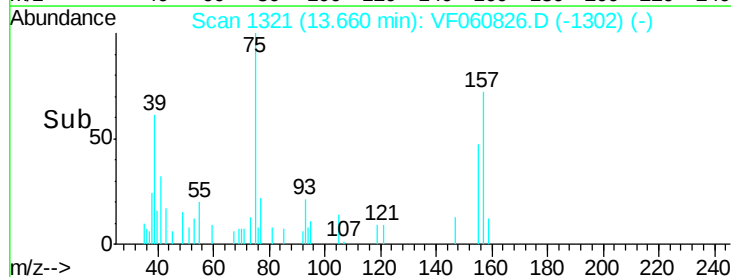
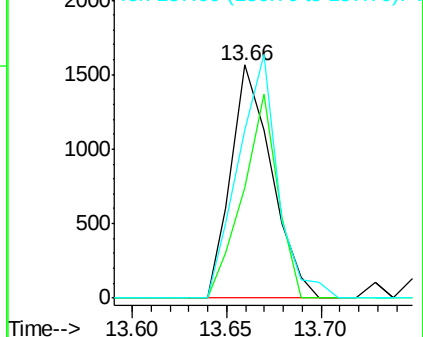
157 72.3 63.8 191.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

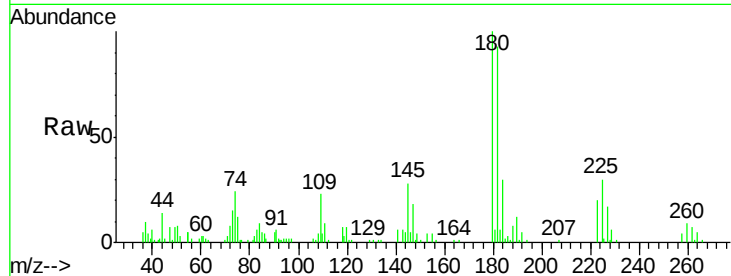




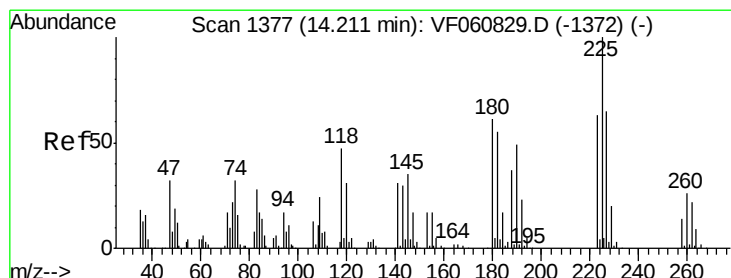
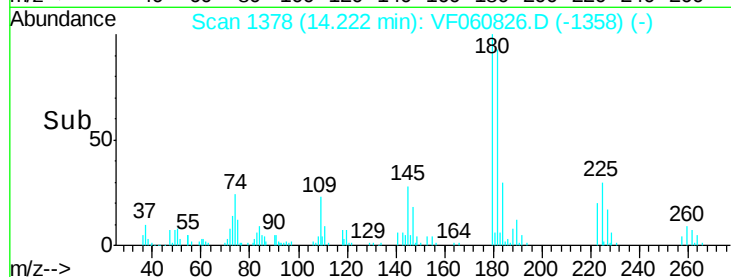
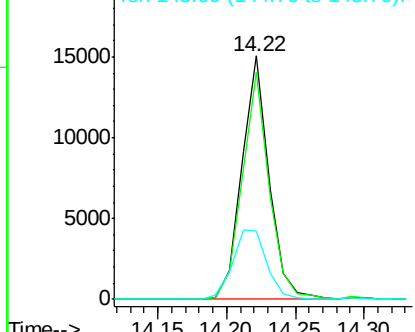
#93
 1,2,4-Trichlorobenzene
 Concen: 5.252 ug/l
 RT: 14.22 min Scan# 1378
 Delta R.T. 0.00 min
 Lab File: VF060826.D
 Acq: 26 Nov 2018 17:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tgt Ion:180 Resp: 20884
 Ion Ratio Lower Upper
 180 100
 182 93.0 48.5 145.5
 145 28.2 18.1 54.3

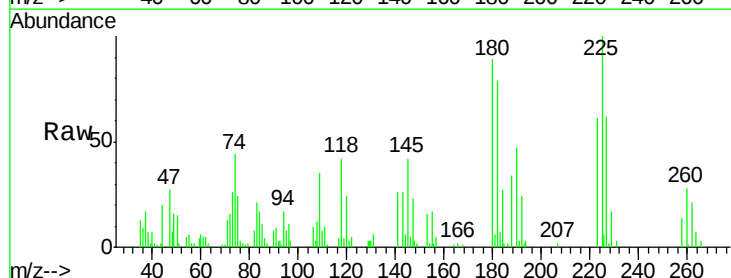


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

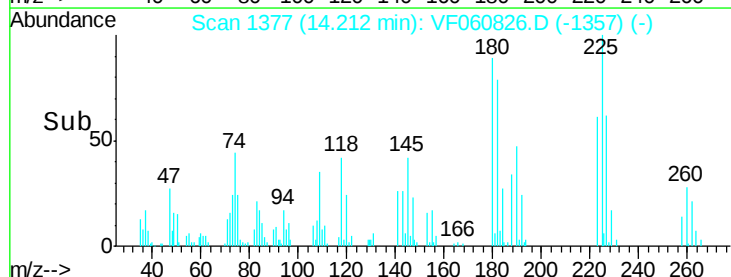
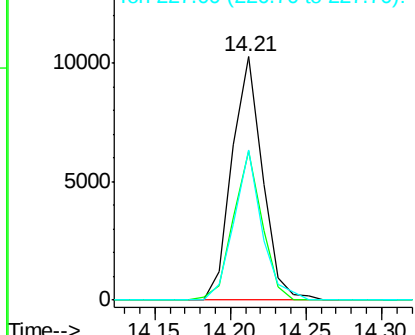


#94
 Hexachlorobutadiene
 Concen: 5.580 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VF060826.D
 Acq: 26 Nov 2018 17:04

Tgt Ion:225 Resp: 14394
 Ion Ratio Lower Upper
 225 100
 223 61.0 31.4 94.3
 227 61.9 32.5 97.5



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

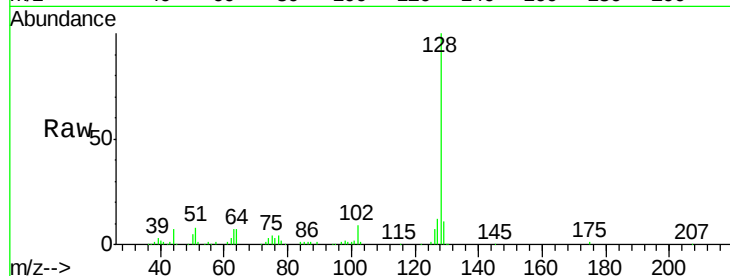




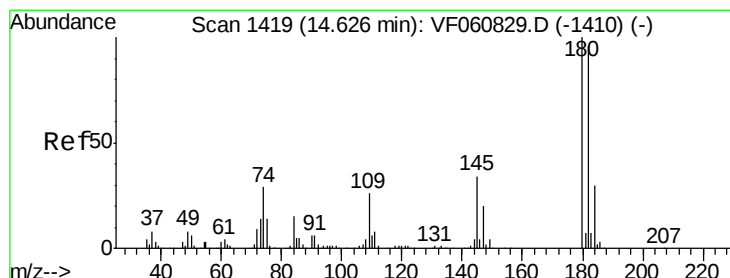
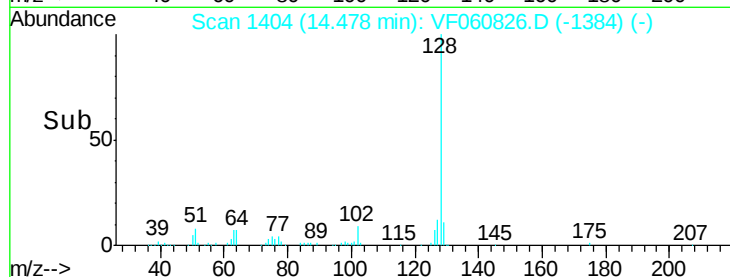
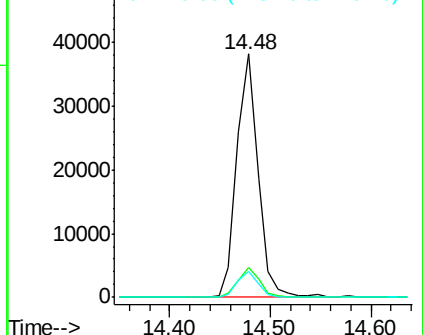
#95
Naphthalene
Concen: 7.749 ug/l
RT: 14.48 min Scan# 1404
Delta R.T. 0.00 min
Lab File: VF060826.D
Acq: 26 Nov 2018 17:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tgt Ion:128 Resp: 56357
Ion Ratio Lower Upper
128 100
127 12.2 9.9 14.9
129 10.6 9.1 13.7

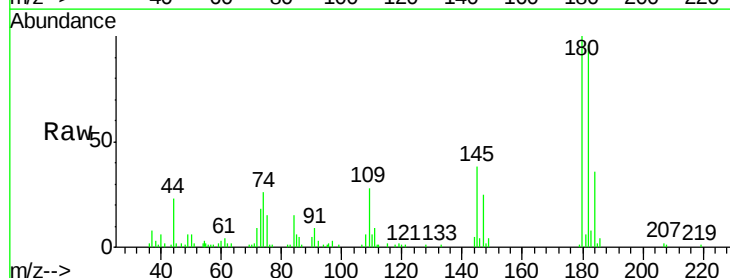


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 5.121 ug/l
RT: 14.63 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF060826.D
Acq: 26 Nov 2018 17:04

Tgt Ion:180 Resp: 18656
Ion Ratio Lower Upper
180 100
182 96.3 47.9 143.8
145 37.6 17.2 51.5



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

