

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF112618\
 Data File : VF060827.D
 Acq On : 26 Nov 2018 17:33
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Quant Time: Nov 27 00:35:14 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	214935	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.64	114	340360	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.81	117	314240	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.57	152	180317	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.87	65	23821	9.57	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	19.14%	
35) Dibromofluoromethane	4.15	113	26869	10.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.44%	
50) Toluene-d8	7.58	98	81237	10.56	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	21.12%	
62) 4-Bromofluorobenzene	11.44	95	38703	10.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.72%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.97	85	33287	8.972	ug/l 93
3) Chloromethane	1.11	50	22868	10.040	ug/l 91
4) Vinyl Chloride	1.16	62	20064	9.686	ug/l 96
5) Bromomethane	1.33	94	14963	11.155	ug/l 81
6) Chloroethane	1.39	64	8371	10.326	ug/l 97
7) Trichlorofluoromethane	1.49	101	43422	9.527	ug/l 98
8) Diethyl Ether	1.64	74	6229	10.461	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	1.83	101	22295	10.193	ug/l 99
10) Methyl Iodide	1.90	142	34177	9.808	ug/l 96
11) Tert butyl alcohol	2.60	59	4743	43.153	ug/l 94
12) 1,1-Dichloroethene	1.80	96	17174	9.862	ug/l 94
13) Acrolein	2.02	56	4715	45.369	ug/l 91
14) Allyl chloride	2.12	41	22679	7.482	ug/l 89
15) Acrylonitrile	2.96	53	12532	53.372	ug/l 95
16) Acetone	2.25	43	24557	48.877	ug/l 98
17) Carbon Disulfide	1.84	76	46981	9.192	ug/l 95
18) Methyl Acetate	2.36	43	8611	10.261	ug/l 92
19) Methyl tert-butyl Ether	2.45	73	38889	9.465	ug/l 93
20) Methylene Chloride	2.24	84	12971	6.705	ug/l # 94
21) trans-1,2-Dichloroethene	2.32	96	17899	10.093	ug/l 95
22) Diisopropyl ether	2.83	45	62373	10.638	ug/l 97
23) Vinyl Acetate	3.21	43	128194	46.974	ug/l 100
24) 1,1-Dichloroethane	2.90	63	35206	9.822	ug/l 96
25) 2-Butanone	4.38	43	40849	48.200	ug/l 97
26) 2,2-Dichloropropane	3.63	77	23003	8.438	ug/l 95
27) cis-1,2-Dichloroethene	3.50	96	26097	8.661	ug/l 95
28) Bromochloromethane	3.75	49	17837	9.859	ug/l 96
29) Tetrahydrofuran	4.11	42	18695	53.388	ug/l 95
30) Chloroform	3.89	83	55487	9.894	ug/l 91
31) Cyclohexane	3.72	56	36744	8.749	ug/l 95
32) 1,1,1-Trichloroethane	4.13	97	39806	9.042	ug/l 95
36) 1,1-Dichloropropene	4.32	75	40625	10.344	ug/l 98
37) Ethyl Acetate	4.15	43	15618	10.539	ug/l # 80
38) Carbon Tetrachloride	4.03	117	37308	9.768	ug/l 100

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.49	83	41063	9.172	ug/l	98
40) Benzene	4.66	78	89128	10.207	ug/l	100
41) Methacrylonitrile	4.77	41	10783	12.151	ug/l #	88
42) 1,2-Dichloroethane	4.98	62	30401	9.873	ug/l	93
43) Isopropyl Acetate	6.99	43	21718	10.985	ug/l #	99
44) Trichloroethene	5.54	130	29473	10.571	ug/l	85
45) 1,2-Dichloropropane	6.27	63	22498	9.727	ug/l	99
46) Dibromomethane	6.12	93	14211	9.376	ug/l	99
47) Bromodichloromethane	6.42	83	38643	10.001	ug/l	94
48) Methyl methacrylate	6.74	41	14015	10.595	ug/l #	88
49) 1,4-Dioxane	6.73	88	1719	142.395	ug/l #	79
51) 4-Methyl-2-Pentanone	8.29	43	77731	54.932	ug/l	95
52) Toluene	7.66	92	63727	10.872	ug/l	92
53) t-1,3-Dichloropropene	8.31	75	33467	10.682	ug/l	96
54) cis-1,3-Dichloropropene	7.33	75	41417	10.112	ug/l	99
55) 1,1,2-Trichloroethane	8.52	97	17388	10.286	ug/l	96
56) Ethyl methacrylate	8.65	69	19911	10.259	ug/l	95
57) 1,3-Dichloropropane	8.88	76	30687	10.295	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.32	63	9123	51.722	ug/l	97
59) 2-Hexanone	9.52	43	54362	54.381	ug/l	93
60) Dibromochloromethane	8.75	129	25935	10.611	ug/l	96
61) 1,2-Dibromoethane	9.02	107	18679	10.470	ug/l	88
64) Tetrachloroethene	8.18	164	25571	10.595	ug/l	97
65) Chlorobenzene	9.83	112	64257	10.191	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.97	131	28886	10.699	ug/l	97
67) Ethyl Benzene	9.93	91	123281	10.440	ug/l	100
68) m/p-Xylenes	10.17	106	91935	21.862	ug/l	97
69) o-Xylene	10.74	106	51267	10.885	ug/l	91
70) Styrene	10.82	104	71055	11.049	ug/l	99
71) Bromoform	10.81	173	13834	11.277	ug/l	86
73) Isopropylbenzene	11.15	105	149117	10.320	ug/l	99
74) N-amyl acetate	11.40	43	33991	10.194	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.71	83	25605	10.754	ug/l	97
76) 1,2,3-Trichloropropane	11.82	75	17463	9.760	ug/l	96
77) Bromobenzene	11.52	156	32214	10.520	ug/l	80
78) n-propylbenzene	11.62	91	180872	10.594	ug/l	99
79) 2-Chlorotoluene	11.74	91	105440	10.746	ug/l	98
80) 1,3,5-Trimethylbenzene	11.84	105	121754	10.566	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.89	75	11964	13.790	ug/l	95
82) 4-Chlorotoluene	11.92	91	105535	10.467	ug/l	100
83) tert-Butylbenzene	12.16	119	127969	10.617	ug/l	97
84) 1,2,4-Trimethylbenzene	12.23	105	122890	10.292	ug/l	97
85) sec-Butylbenzene	12.33	105	170700	10.355	ug/l	98
86) p-Isopropyltoluene	12.48	119	143952	10.519	ug/l	98
87) 1,3-Dichlorobenzene	12.49	146	64509	10.736	ug/l	96
88) 1,4-Dichlorobenzene	12.58	146	61009	10.598	ug/l	93
89) n-Butylbenzene	12.87	91	148258	10.452	ug/l	96
90) Hexachloroethane	12.94	117	33205	9.904	ug/l	93
91) 1,2-Dichlorobenzene	12.97	146	58964	10.351	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.67	75	4347	9.721	ug/l	92

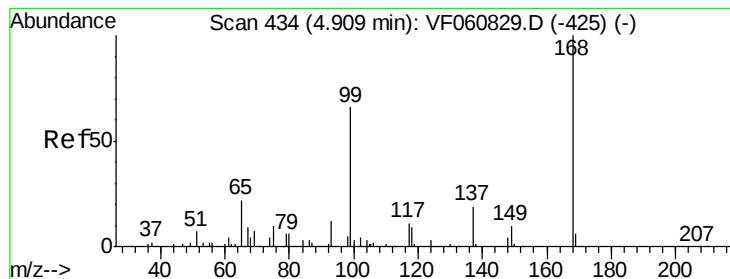
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF112618\
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Quant Title : SW846 8260
QLast Update : Tue Nov 27 00:28:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	41424	10.273	ug/l	98
94) Hexachlorobutadiene	14.21	225	27513	10.517	ug/l	98
95) Naphthalene	14.48	128	94535	12.817	ug/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	36901	9.989	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.90 min Scan# 433

Delta R.T. -0.01 min

Lab File: VF060827.D

Acq: 26 Nov 2018 17:33

Instrument :

MSVOA_F

ClientSampleId :

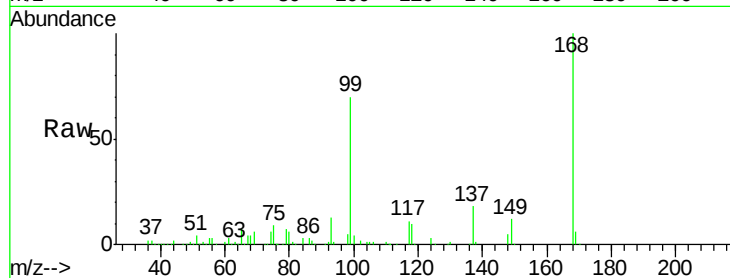
VSTDIC010

Tgt Ion: 168 Resp: 214935

Ion Ratio Lower Upper

168 100

99 70.5 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.90

60000

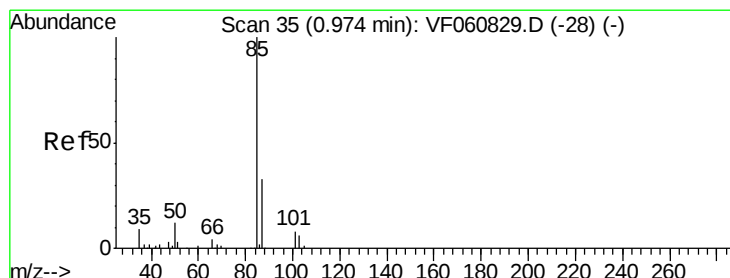
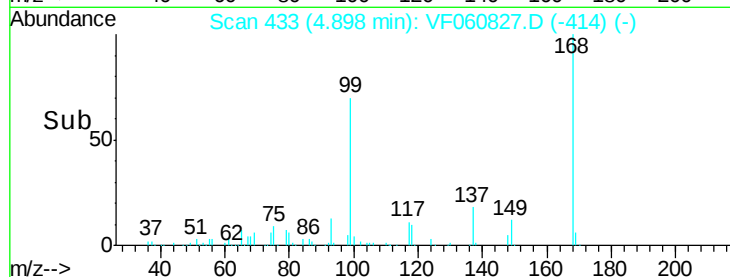
40000

20000

0

Time-->

4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 8.972 ug/l

RT: 0.97 min Scan# 35

Delta R.T. -0.00 min

Lab File: VF060827.D

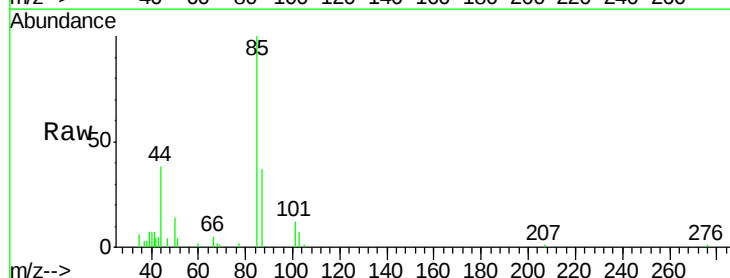
Acq: 26 Nov 2018 17:33

Tgt Ion: 85 Resp: 33287

Ion Ratio Lower Upper

85 100

87 37.5 16.7 50.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

10000

8000

6000

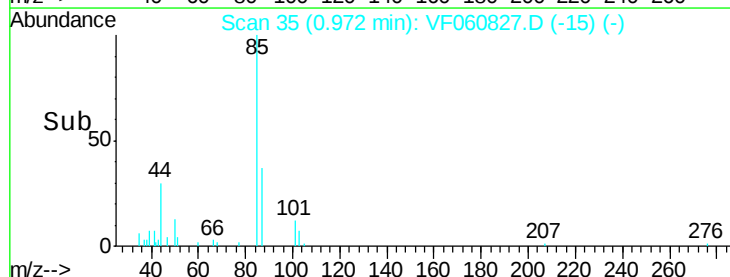
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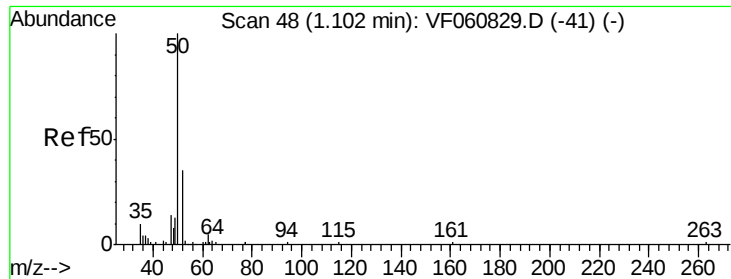
2000

0

Time-->

0.90 1.00 1.10





#3

Chloromethane

Concen: 10.040 ug/l

RT: 1.11 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF060827.D

Acq: 26 Nov 2018 17:33

Instrument :

MSVOA_F

ClientSampleId :

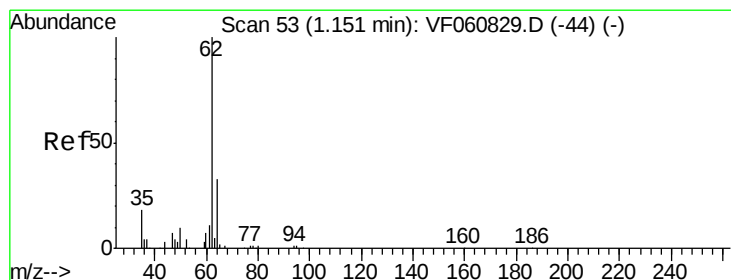
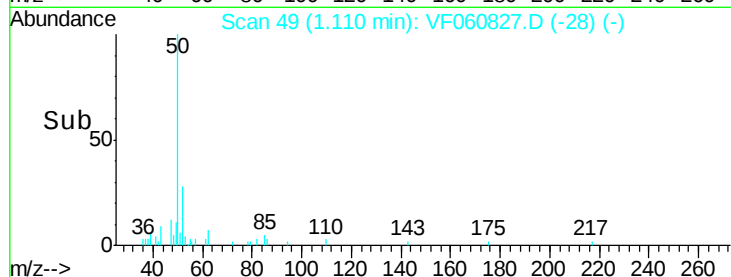
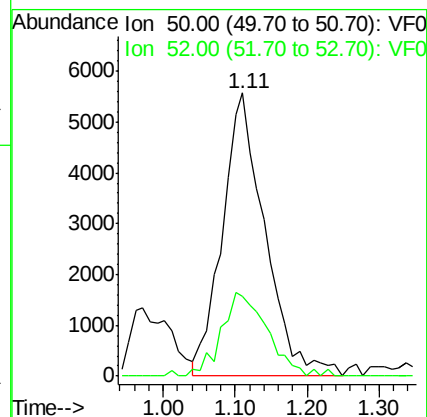
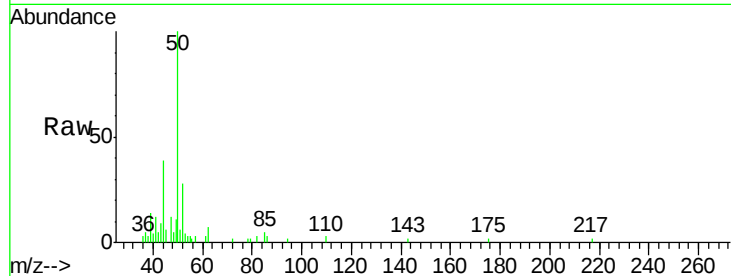
VSTDIC010

Tgt Ion: 50 Resp: 22868

Ion Ratio Lower Upper

50 100

52 28.4 27.0 40.4



#4

Vinyl Chloride

Concen: 9.686 ug/l

RT: 1.16 min Scan# 54

Delta R.T. 0.01 min

Lab File: VF060827.D

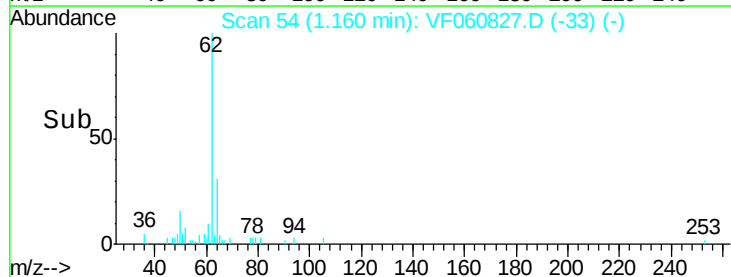
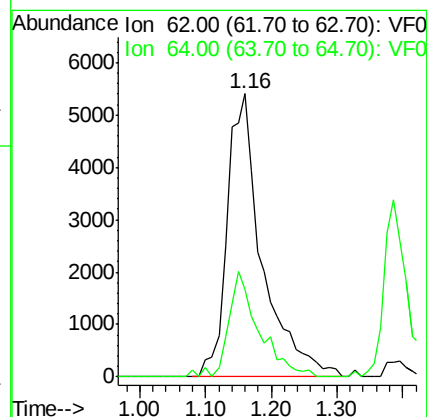
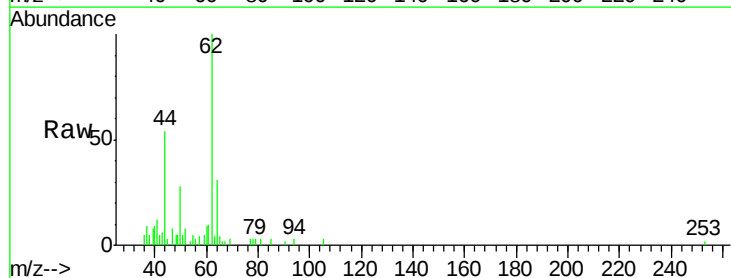
Acq: 26 Nov 2018 17:33

Tgt Ion: 62 Resp: 20064

Ion Ratio Lower Upper

62 100

64 30.7 26.4 39.6





#5

Bromomethane

Concen: 11.155 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF060827.D

Acq: 26 Nov 2018 17:33

Instrument :

MSVOA_F

ClientSampleId :

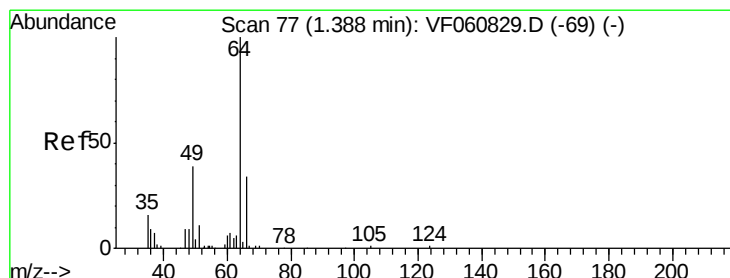
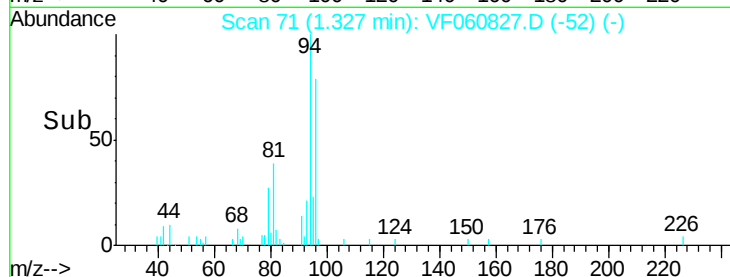
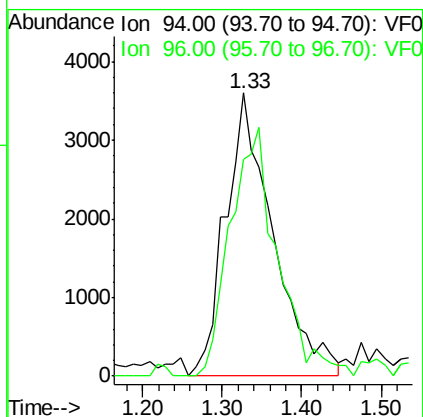
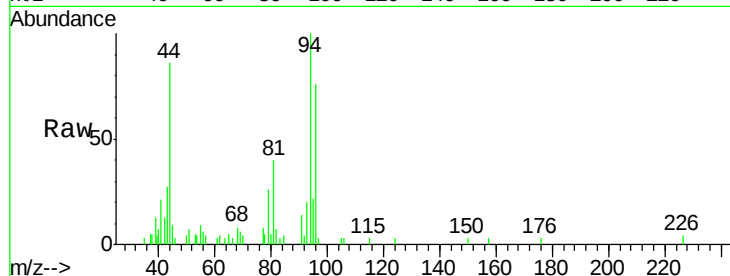
VSTDIC010

Tgt Ion: 94 Resp: 14963

Ion Ratio Lower Upper

94 100

96 76.4 75.9 113.9



#6

Chloroethane

Concen: 10.326 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.00 min

Lab File: VF060827.D

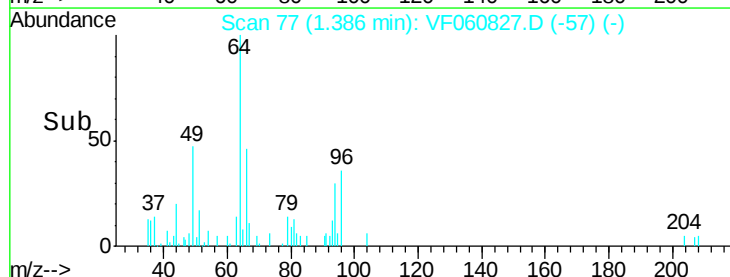
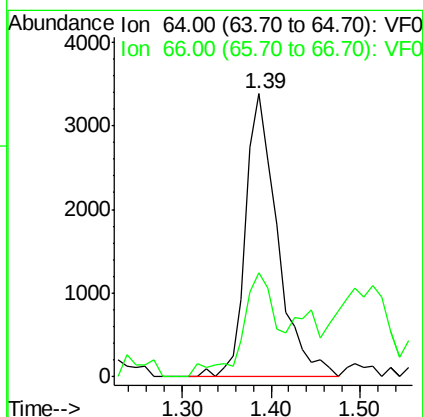
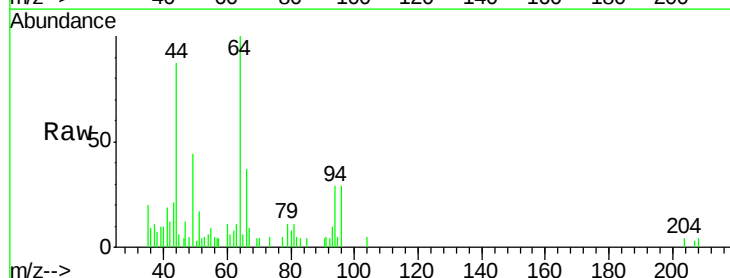
Acq: 26 Nov 2018 17:33

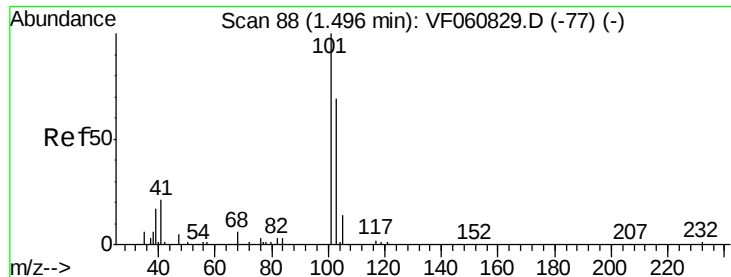
Tgt Ion: 64 Resp: 8371

Ion Ratio Lower Upper

64 100

66 36.9 28.1 42.1





#7

Trichlorofluoromethane

Concen: 9.527 ug/l

RT: 1.49 min Scan# 88

Delta R.T. -0.00 min

Lab File: VF060827.D

Acq: 26 Nov 2018 17:33

Instrument :

MSVOA_F

ClientSampleId :

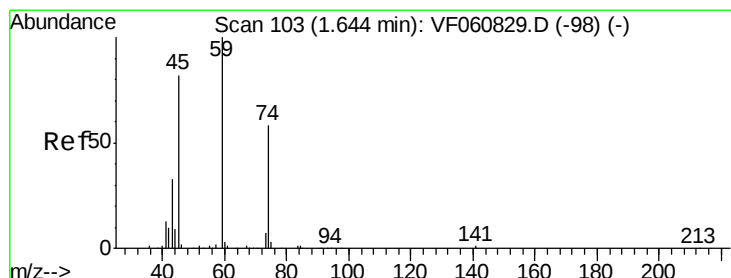
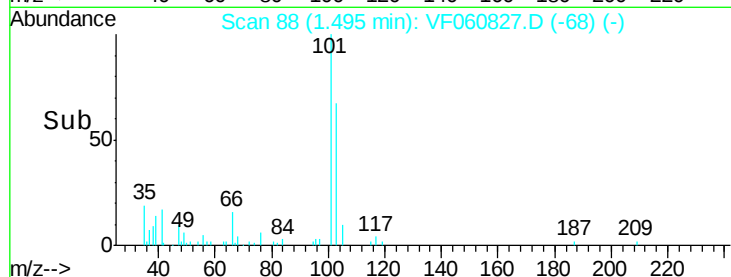
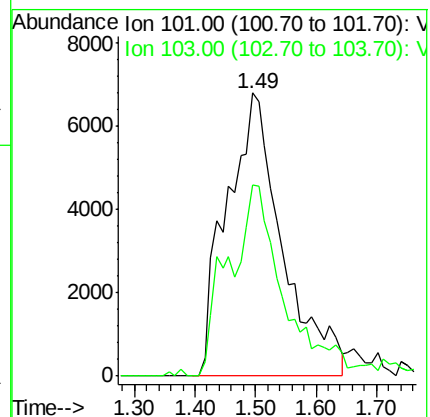
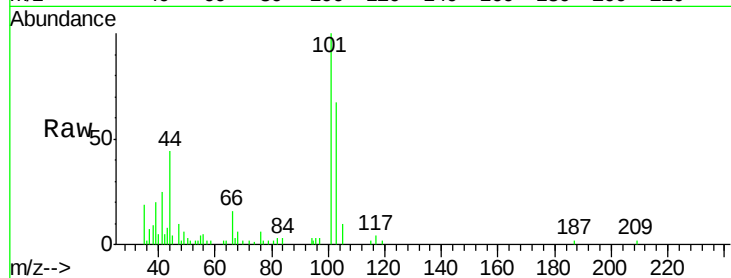
VSTDIC010

Tgt Ion:101 Resp: 43422

Ion Ratio Lower Upper

101 100

103 67.5 55.4 83.0



#8

Diethyl Ether

Concen: 10.461 ug/l

RT: 1.64 min Scan# 103

Delta R.T. -0.00 min

Lab File: VF060827.D

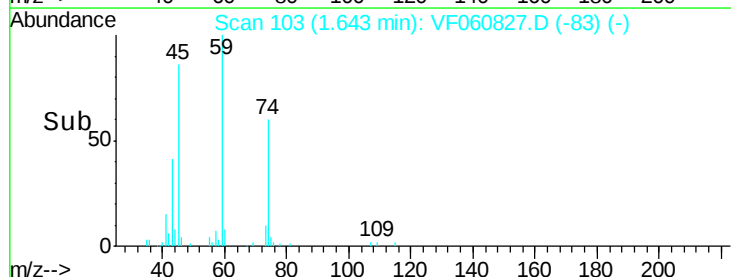
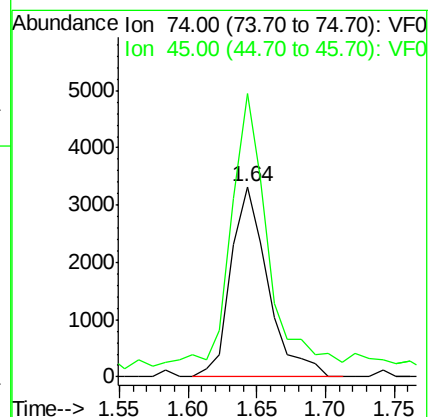
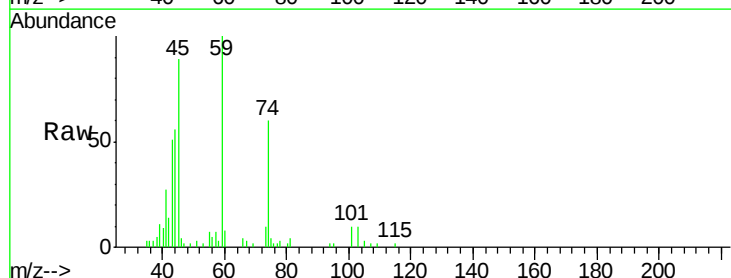
Acq: 26 Nov 2018 17:33

Tgt Ion: 74 Resp: 6229

Ion Ratio Lower Upper

74 100

45 148.8 71.0 212.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.193 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.00 min

Lab File: VF060827.D

Acq: 26 Nov 2018 17:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

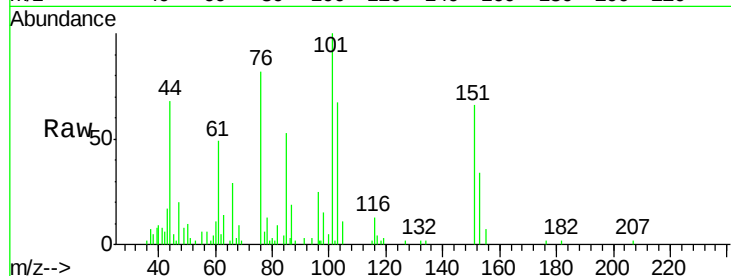
Tgt Ion:101 Resp: 22295

Ion Ratio Lower Upper

101 100

85 53.1 42.8 64.2

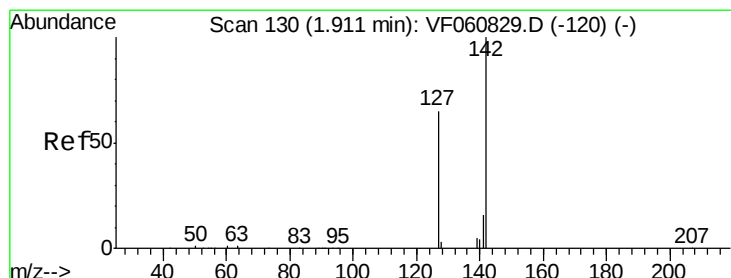
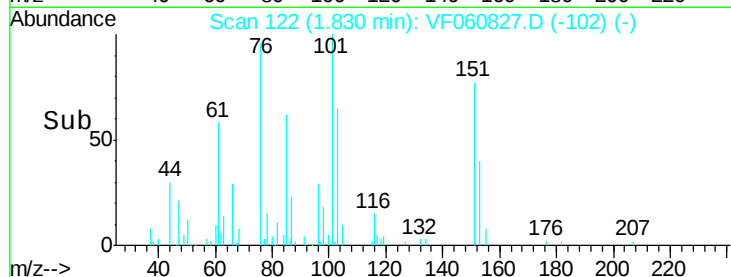
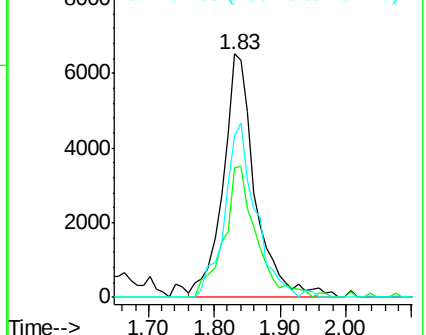
151 66.3 54.4 81.6



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: 9.808 ug/l

RT: 1.90 min Scan# 129

Delta R.T. -0.01 min

Lab File: VF060827.D

Acq: 26 Nov 2018 17:33

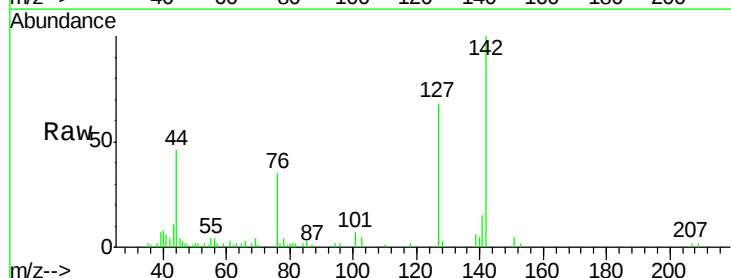
Tgt Ion:142 Resp: 34177

Ion Ratio Lower Upper

142 100

127 68.4 51.9 77.9

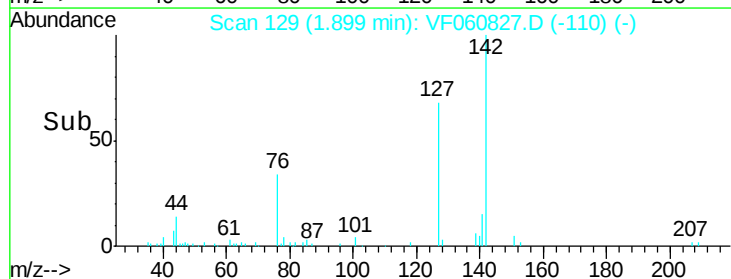
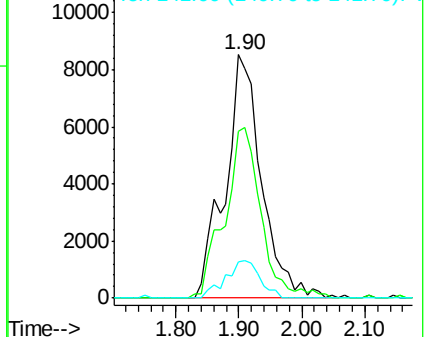
141 14.8 12.7 19.1

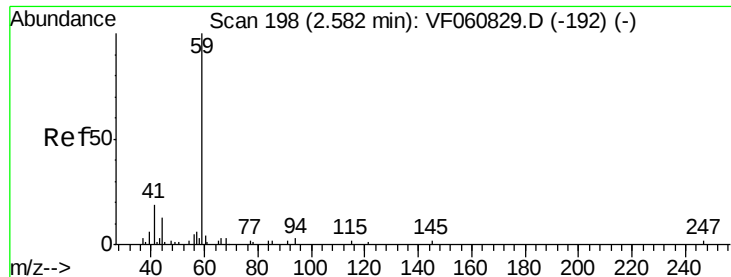


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

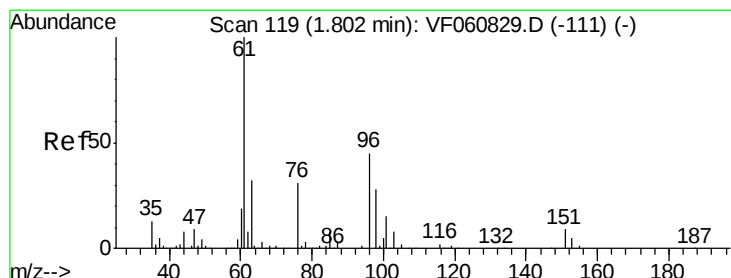
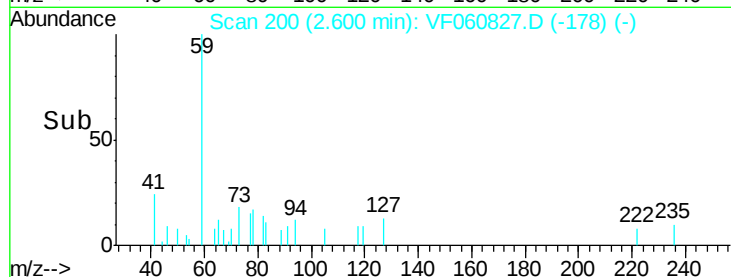
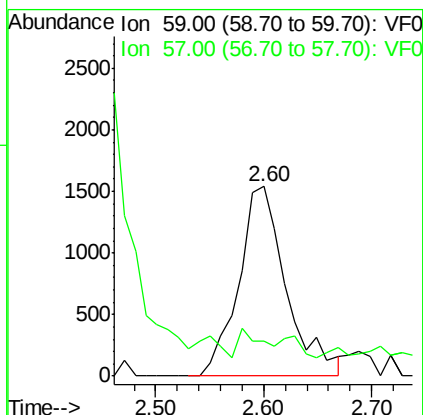
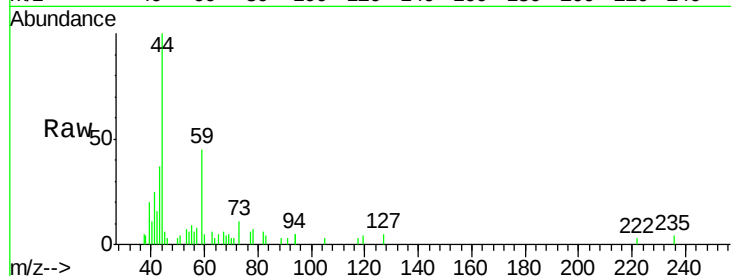




#11
Tert butyl alcohol
Concen: 43.153 ug/l
RT: 2.60 min Scan# 200
Delta R.T. 0.02 min
Lab File: VF060827.D
Acq: 26 Nov 2018 17:33

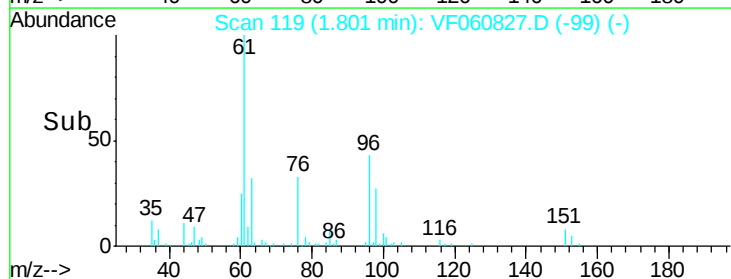
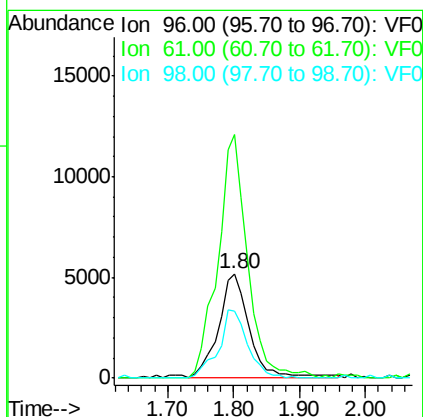
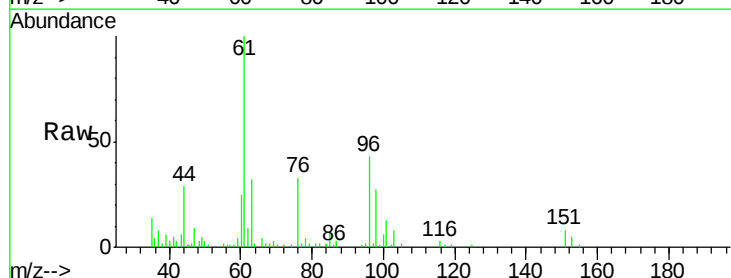
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

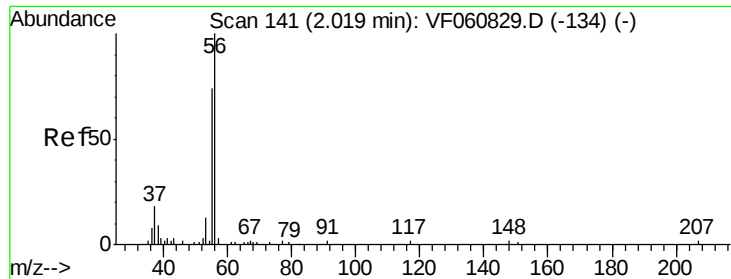
Tgt Ion: 59 Resp: 4743
Ion Ratio Lower Upper
59 100
57 18.2 12.7 19.1



#12
1,1-Dichloroethene
Concen: 9.862 ug/l
RT: 1.80 min Scan# 119
Delta R.T. -0.00 min
Lab File: VF060827.D
Acq: 26 Nov 2018 17:33

Tgt Ion: 96 Resp: 17174
Ion Ratio Lower Upper
96 100
61 233.5 177.3 265.9
98 64.1 49.6 74.4





#13

Acrolein

Concen: 45.369 ug/l

RT: 2.02 min Scan# 141

Delta R.T. -0.00 min

Lab File: VF060827.D

Acq: 26 Nov 2018 17:33

Instrument :

MSVOA_F

ClientSampled :

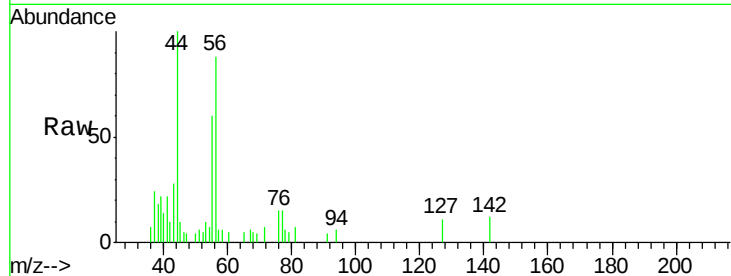
VSTDIC010

Tgt Ion: 56 Resp: 4715

Ion Ratio Lower Upper

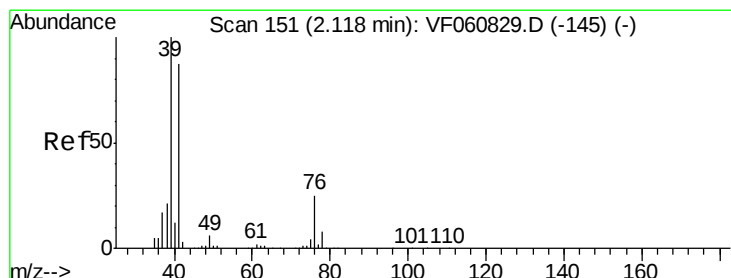
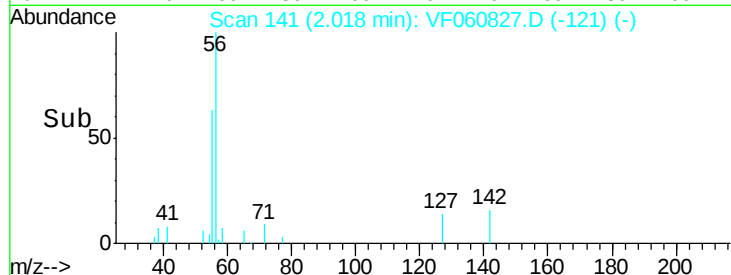
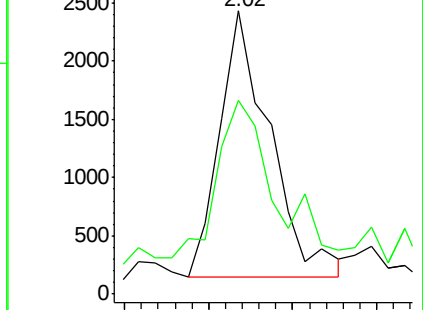
56 100

55 68.4 61.2 91.8



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 7.482 ug/l

RT: 2.12 min Scan# 151

Delta R.T. -0.00 min

Lab File: VF060827.D

Acq: 26 Nov 2018 17:33

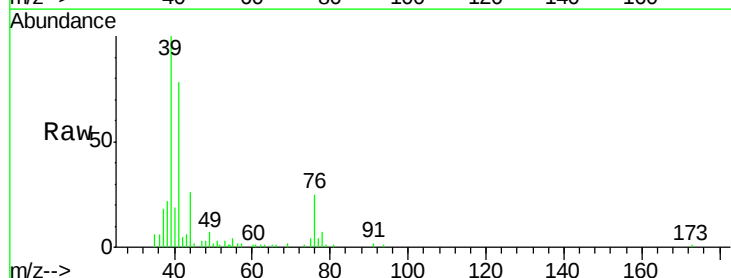
Tgt Ion: 41 Resp: 22679

Ion Ratio Lower Upper

41 100

39 128.5 91.7 137.5

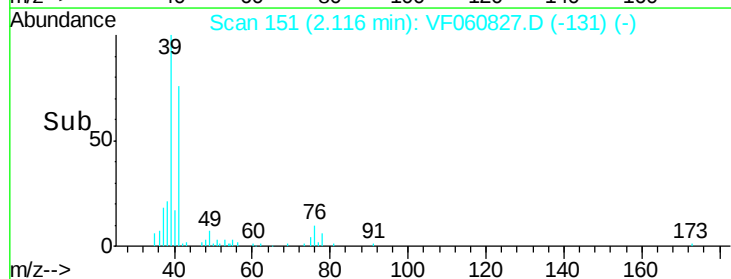
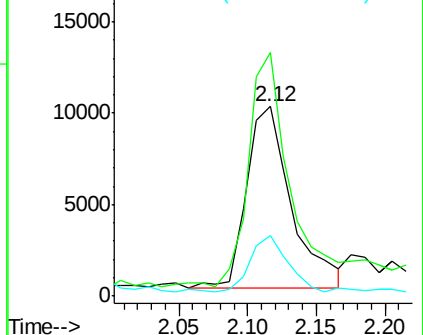
76 32.3 23.5 35.3

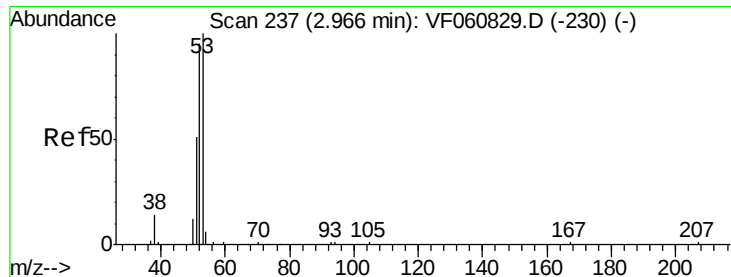


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 53.372 ug/l

RT: 2.96 min Scan# 237

Delta R.T. -0.00 min

Lab File: VF060827.D

Acq: 26 Nov 2018 17:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

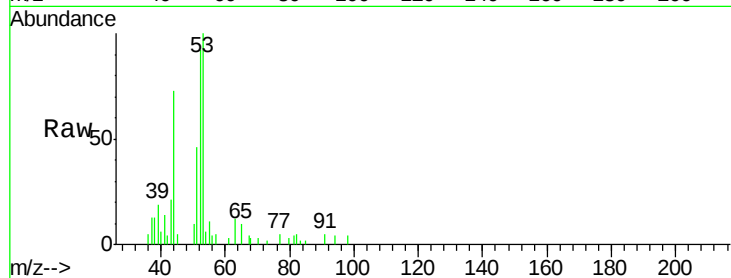
Tgt Ion: 53 Resp: 12532

Ion Ratio Lower Upper

53 100

52 91.9 76.5 114.7

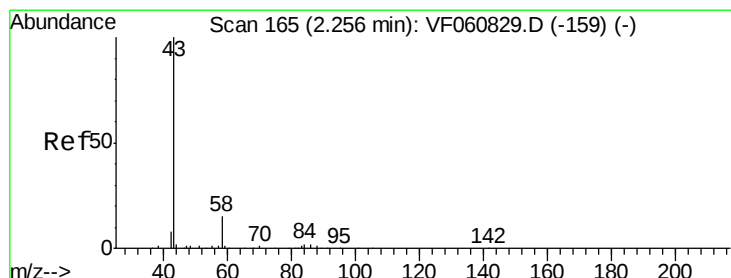
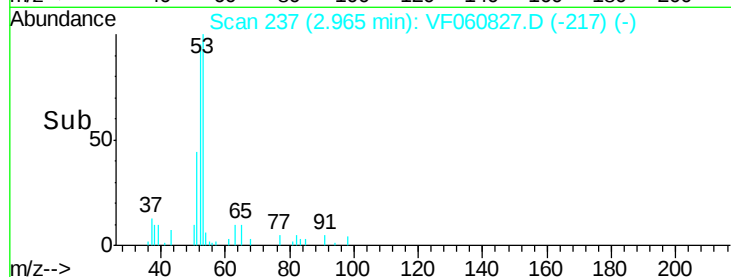
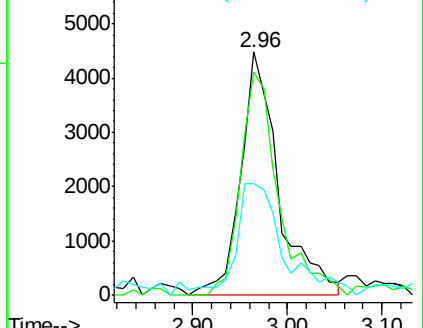
51 45.8 40.7 61.1



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 48.877 ug/l

RT: 2.25 min Scan# 165

Delta R.T. -0.00 min

Lab File: VF060827.D

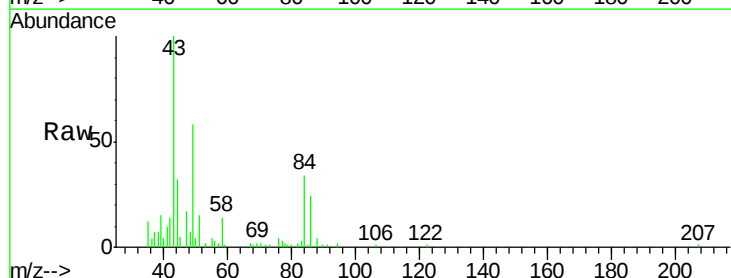
Acq: 26 Nov 2018 17:33

Tgt Ion: 43 Resp: 24557

Ion Ratio Lower Upper

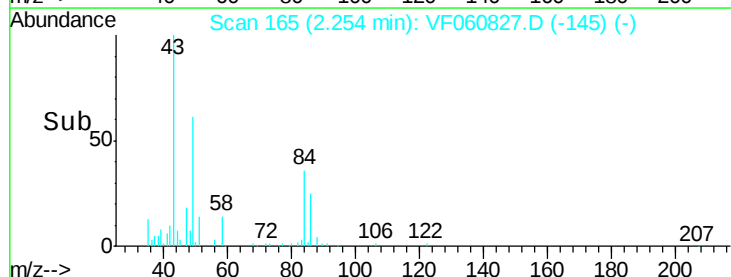
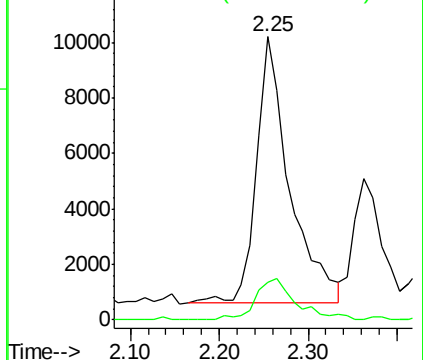
43 100

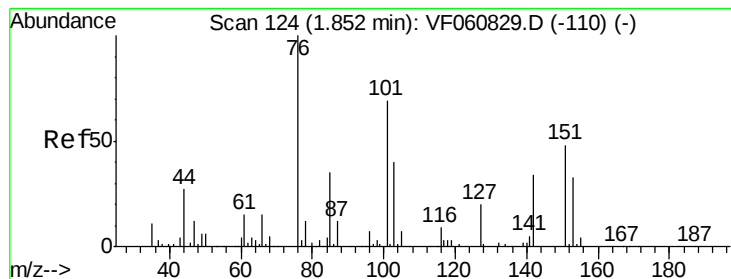
58 13.5 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 9.192 ug/l

RT: 1.84 min Scan# 123

Delta R.T. -0.01 min

Lab File: VF060827.D

Acq: 26 Nov 2018 17:33

Instrument :

MSVOA_F

ClientSampleId :

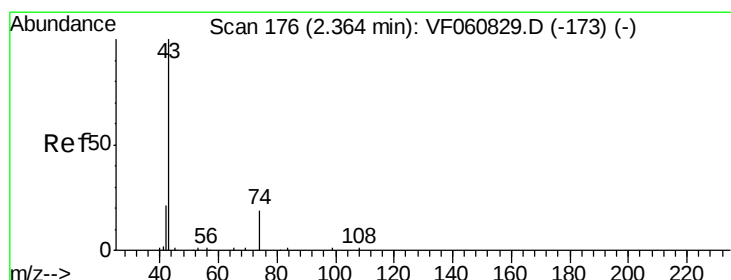
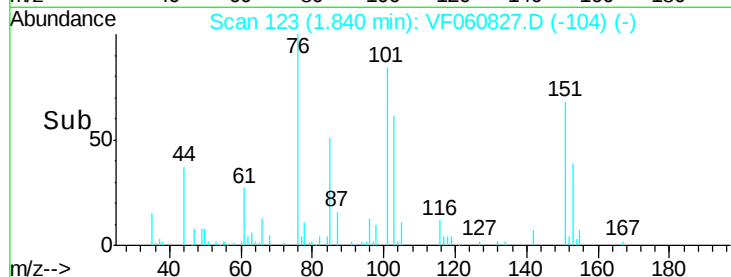
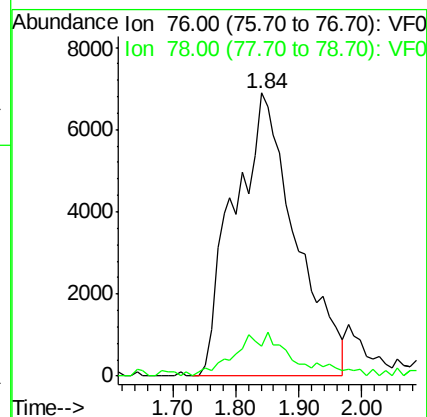
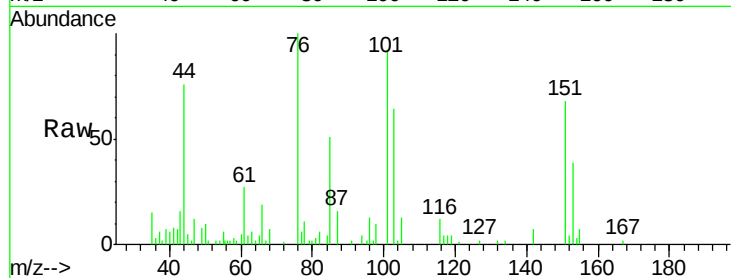
VSTDIC010

Tgt Ion: 76 Resp: 46981

Ion Ratio Lower Upper

76 100

78 10.7 10.2 15.2



#18

Methyl Acetate

Concen: 10.261 ug/l

RT: 2.36 min Scan# 176

Delta R.T. -0.00 min

Lab File: VF060827.D

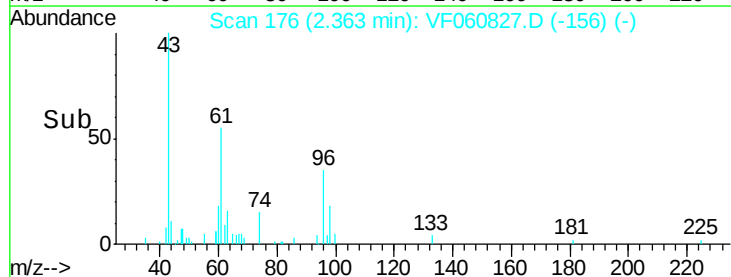
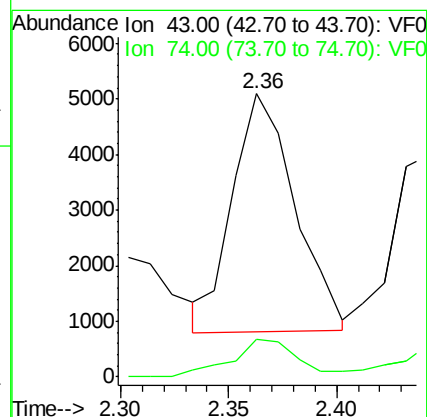
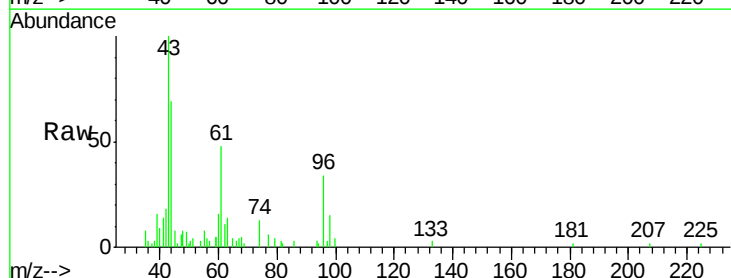
Acq: 26 Nov 2018 17:33

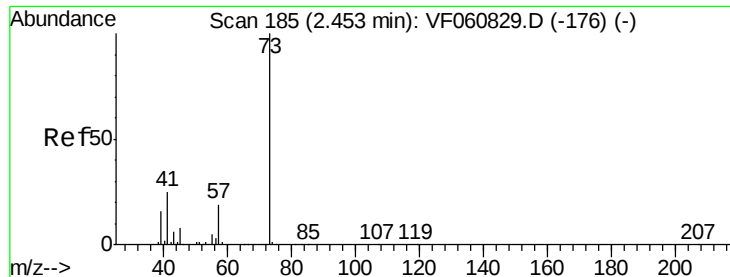
Tgt Ion: 43 Resp: 8611

Ion Ratio Lower Upper

43 100

74 13.3 13.3 19.9





#19

Methyl tert-butyl Ether

Concen: 9.465 ug/l

RT: 2.45 min Scan# 185

Delta R.T. -0.00 min

Lab File: VF060827.D

Acq: 26 Nov 2018 17:33

Instrument :

MSVOA_F

ClientSampleId :

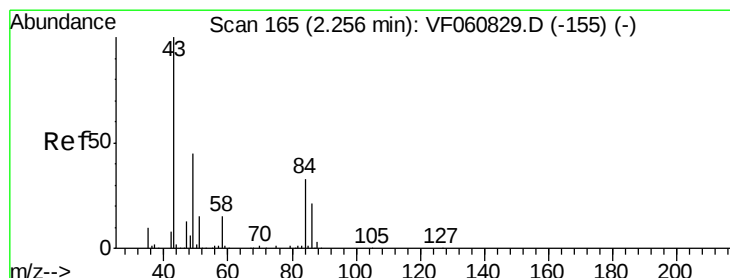
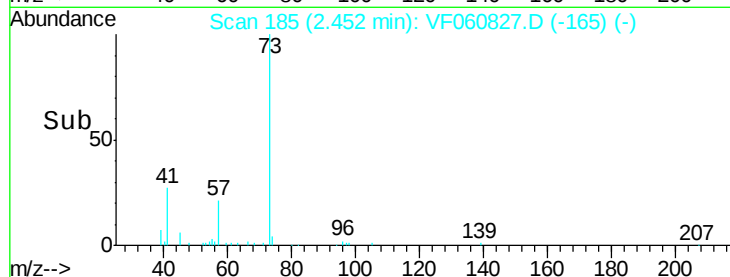
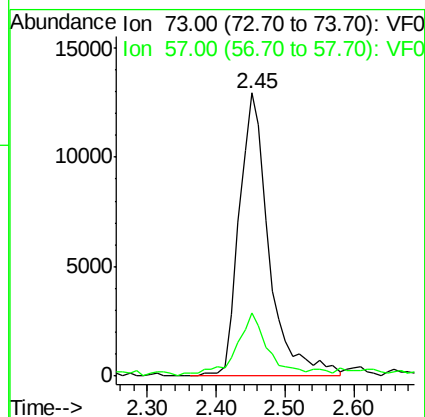
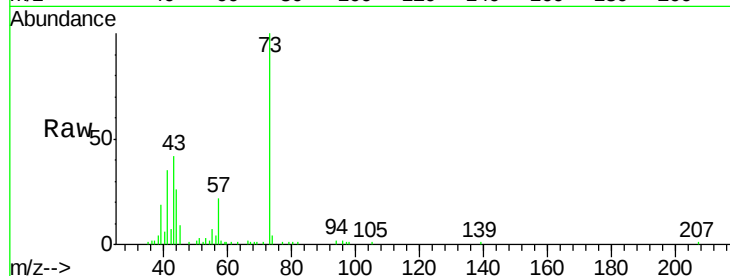
VSTDIC010

Tgt Ion: 73 Resp: 38889

Ion Ratio Lower Upper

73 100

57 22.2 15.3 22.9



#20

Methylene Chloride

Concen: 6.705 ug/l

RT: 2.24 min Scan# 164

Delta R.T. -0.01 min

Lab File: VF060827.D

Acq: 26 Nov 2018 17:33

Tgt Ion: 84 Resp: 12971

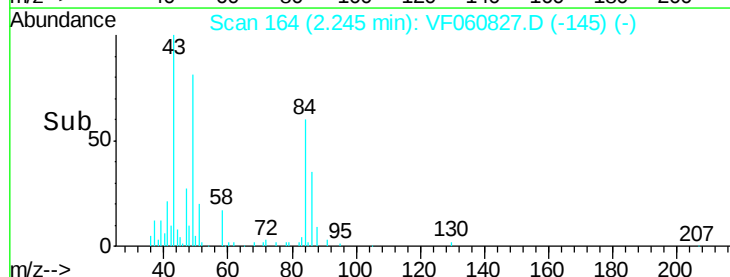
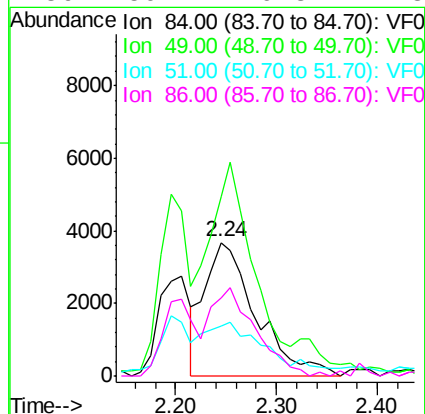
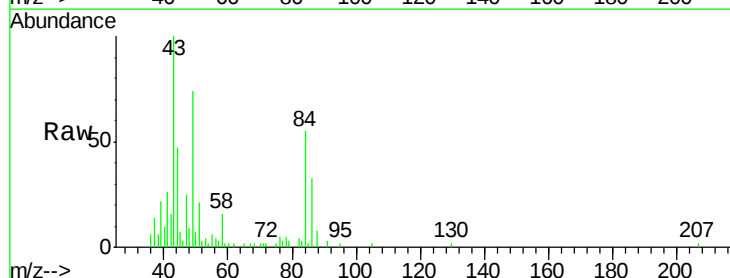
Ion Ratio Lower Upper

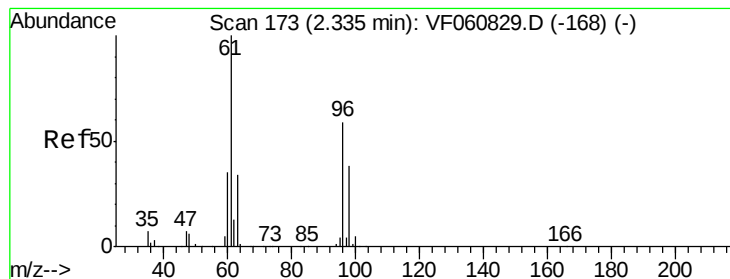
84 100

49 134.8 111.3 166.9

51 37.7 38.0 57.0#

86 59.1 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 10.093 ug/l

RT: 2.32 min Scan# 172

Delta R.T. -0.01 min

Lab File: VF060827.D

Acq: 26 Nov 2018 17:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

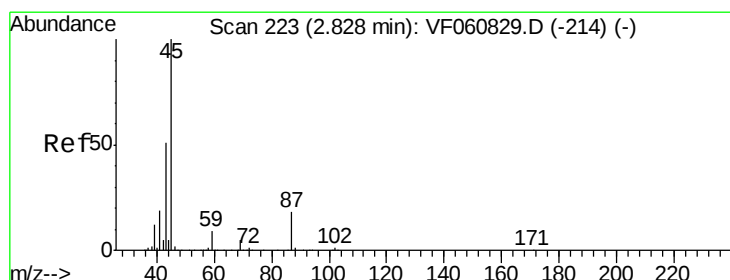
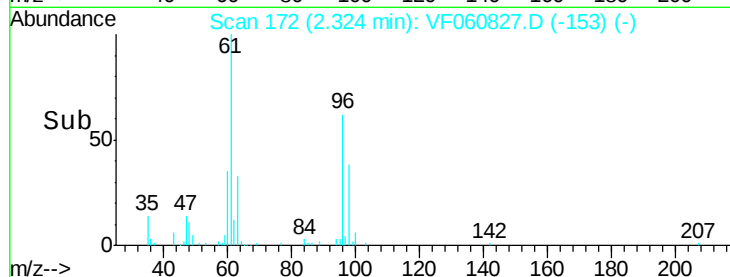
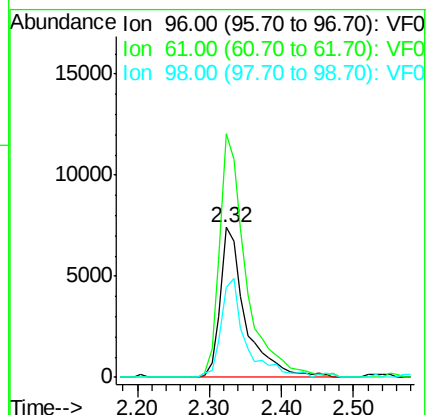
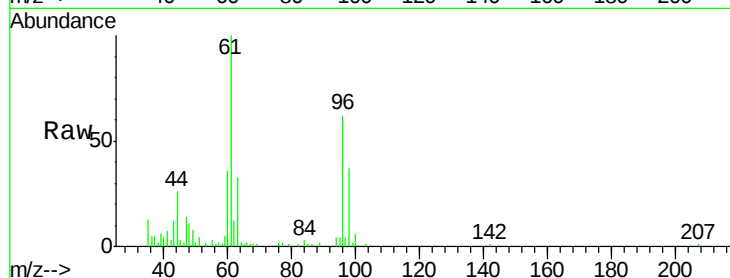
Tgt Ion: 96 Resp: 17899

Ion Ratio Lower Upper

96 100

61 162.4 134.5 201.7

98 60.2 51.6 77.4



#22

Diisopropyl ether

Concen: 10.638 ug/l

RT: 2.83 min Scan# 223

Delta R.T. -0.00 min

Lab File: VF060827.D

Acq: 26 Nov 2018 17:33

Tgt Ion: 45 Resp: 62373

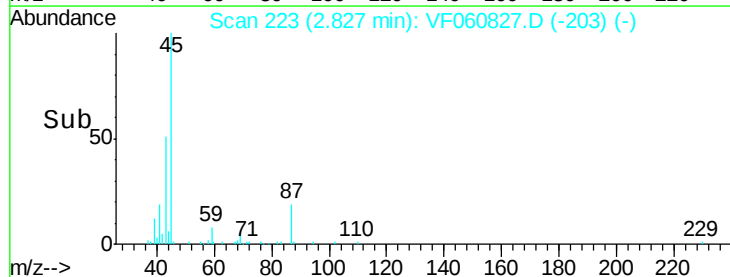
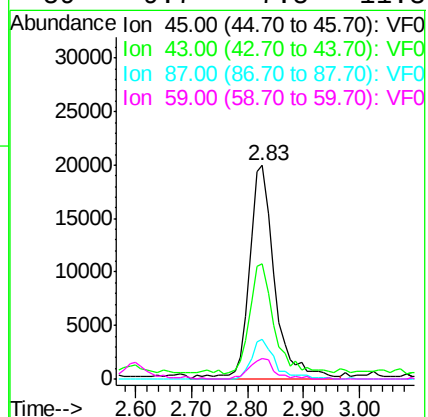
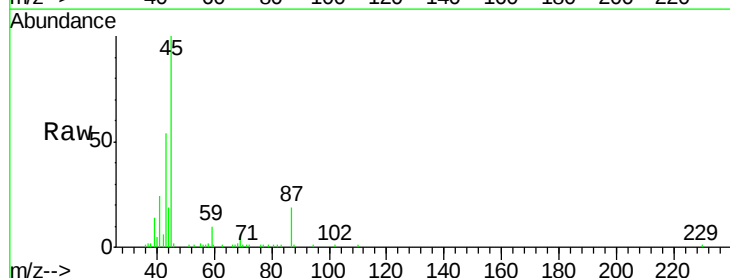
Ion Ratio Lower Upper

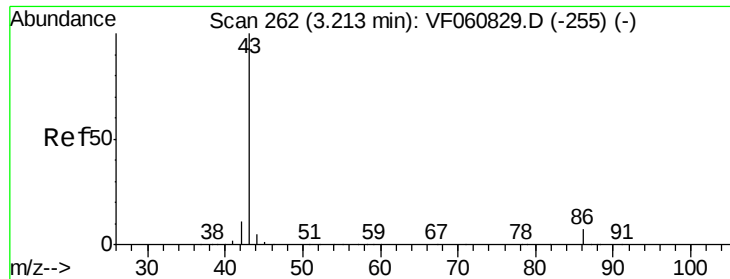
45 100

43 53.7 41.0 61.6

87 18.9 14.6 22.0

59 9.7 7.5 11.3





#23

Vinyl Acetate

Concen: 46.974 ug/l

RT: 3.21 min Scan# 262

Delta R.T. -0.00 min

Lab File: VF060827.D

Acq: 26 Nov 2018 17:33

Instrument :

MSVOA_F

ClientSampleId :

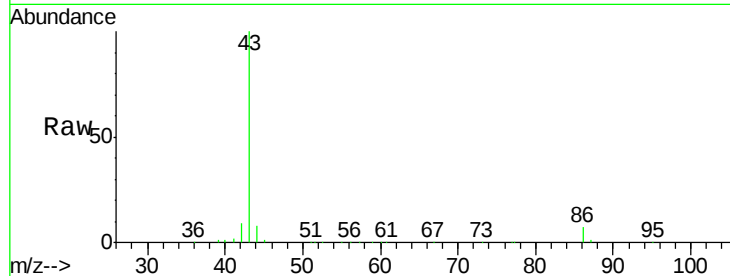
VSTDIC010

Tgt Ion: 43 Resp: 128194

Ion Ratio Lower Upper

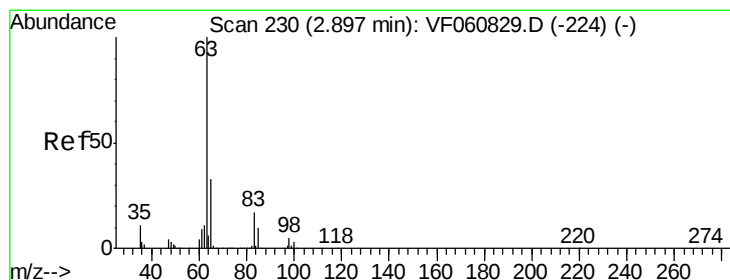
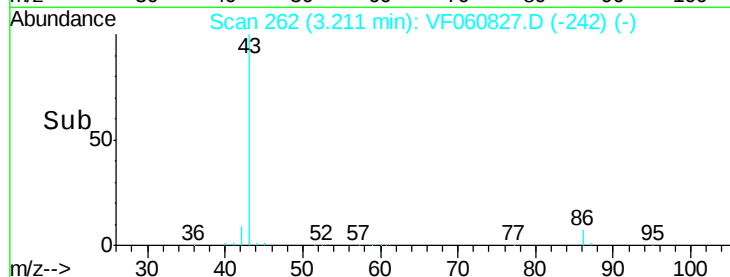
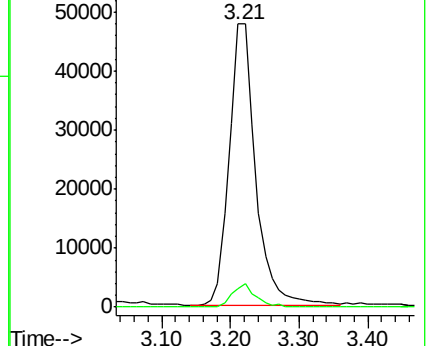
43 100

86 6.7 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: 9.822 ug/l

RT: 2.90 min Scan# 230

Delta R.T. -0.00 min

Lab File: VF060827.D

Acq: 26 Nov 2018 17:33

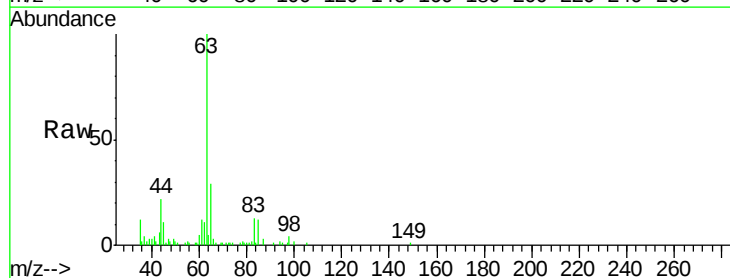
Tgt Ion: 63 Resp: 35206

Ion Ratio Lower Upper

63 100

98 3.6 2.7 8.1

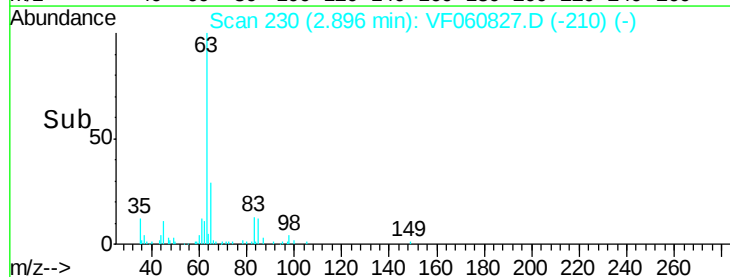
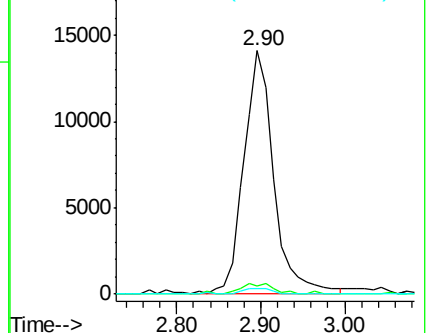
100 2.5 1.5 4.5

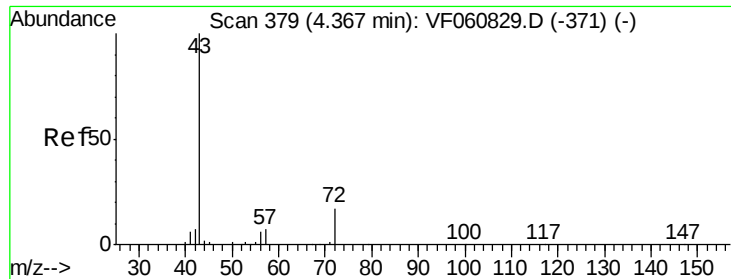


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 48.200 ug/l

RT: 4.38 min Scan# 380

Delta R.T. 0.01 min

Lab File: VF060827.D

Acq: 26 Nov 2018 17:33

Instrument :

MSVOA_F

ClientSampleId :

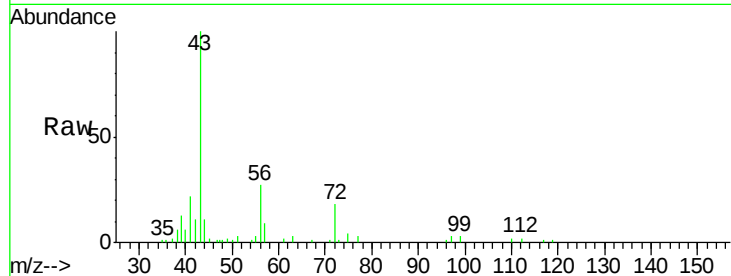
VSTDIC010

Tgt Ion: 43 Resp: 40849

Ion Ratio Lower Upper

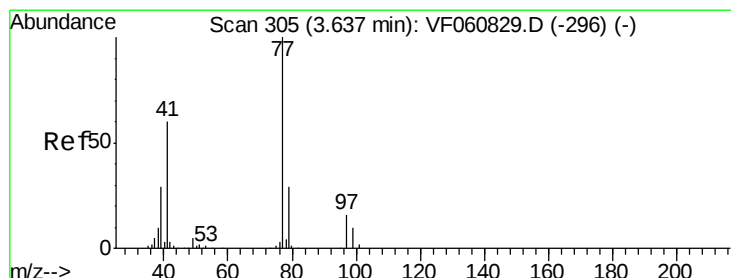
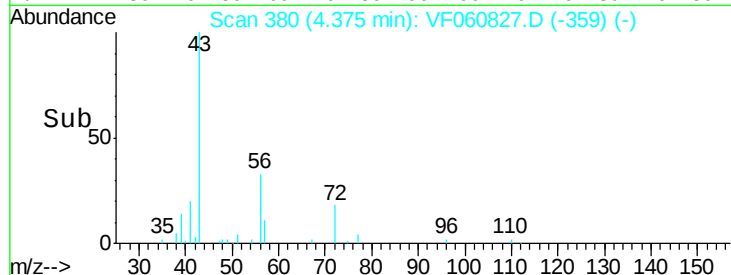
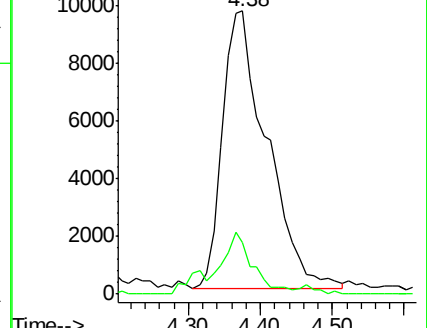
43 100

72 18.1 15.4 23.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 8.438 ug/l

RT: 3.63 min Scan# 304

Delta R.T. -0.01 min

Lab File: VF060827.D

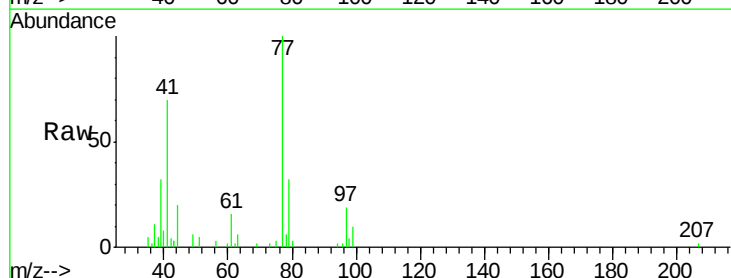
Acq: 26 Nov 2018 17:33

Tgt Ion: 77 Resp: 23003

Ion Ratio Lower Upper

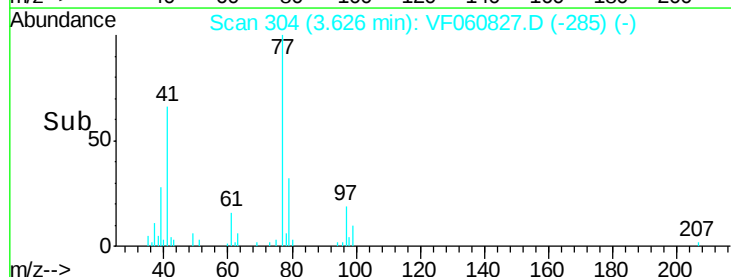
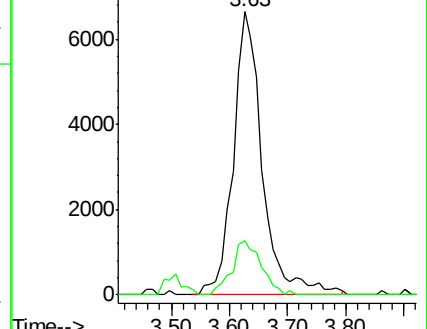
77 100

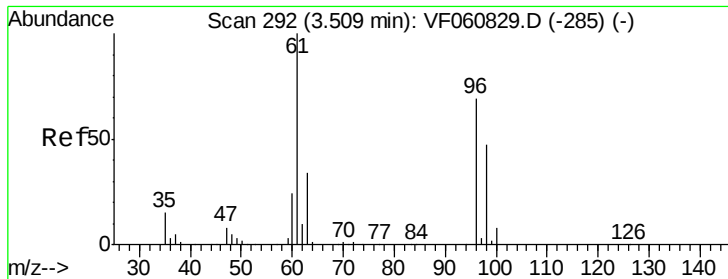
97 19.4 8.6 25.8



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



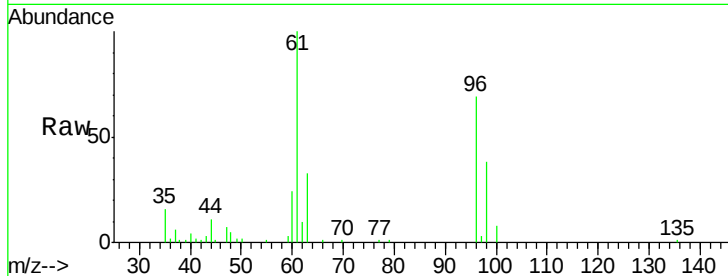


#27

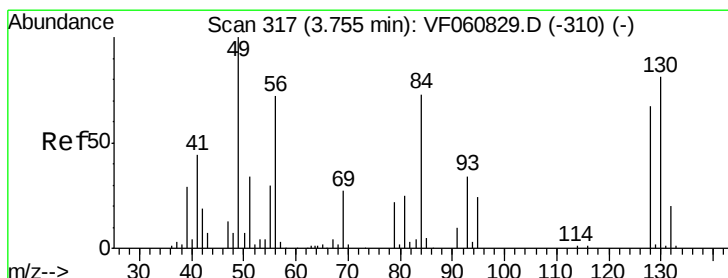
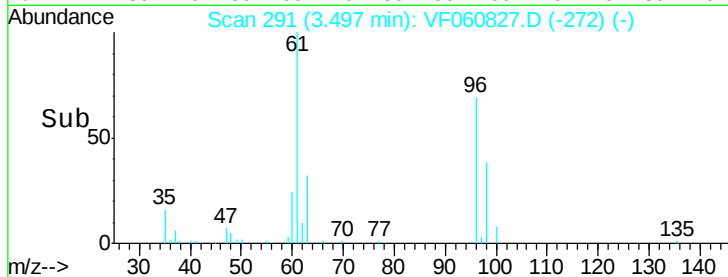
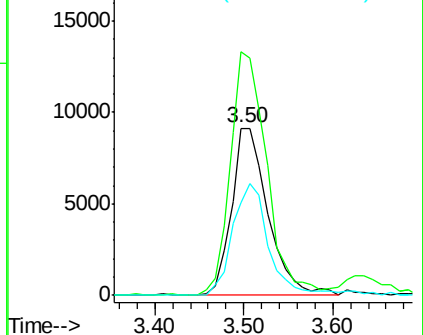
cis-1,2-Dichloroethene
 Concen: 8.661 ug/l
 RT: 3.50 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VF060827.D
 Acq: 26 Nov 2018 17:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tgt Ion: 96 Resp: 26097
 Ion Ratio Lower Upper
 96 100
 61 145.8 0.0 290.6
 98 55.8 0.0 137.8



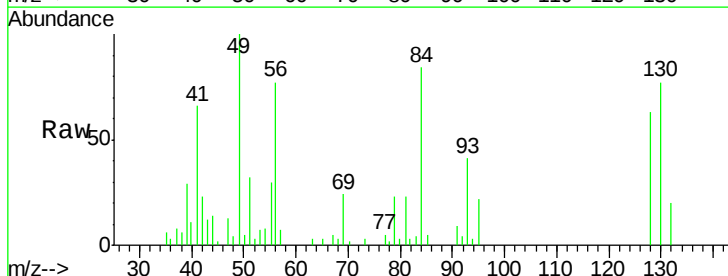
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



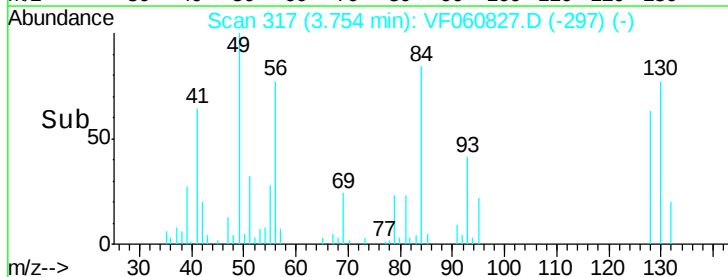
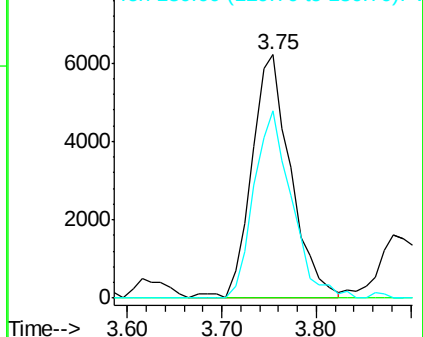
#28

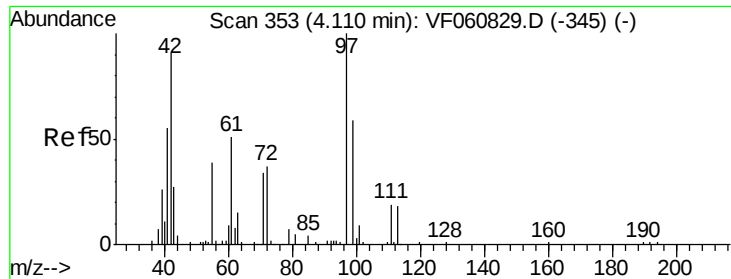
Bromochloromethane
 Concen: 9.859 ug/l
 RT: 3.75 min Scan# 317
 Delta R.T. -0.00 min
 Lab File: VF060827.D
 Acq: 26 Nov 2018 17:33

Tgt Ion: 49 Resp: 17837
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.4
 130 77.0 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: 53.388 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.00 min

Lab File: VF060827.D

Acq: 26 Nov 2018 17:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

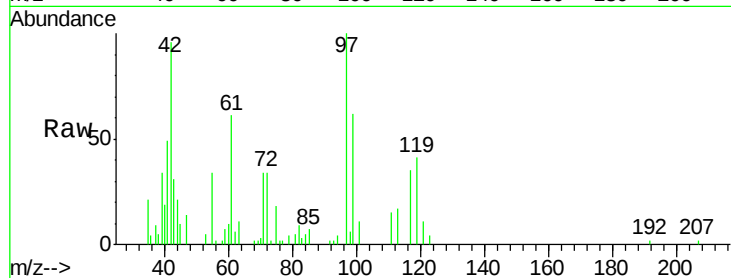
Tgt Ion: 42 Resp: 18695

Ion Ratio Lower Upper

42 100

72 34.2 31.9 47.9

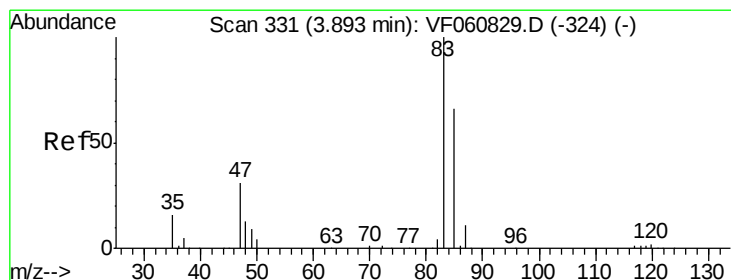
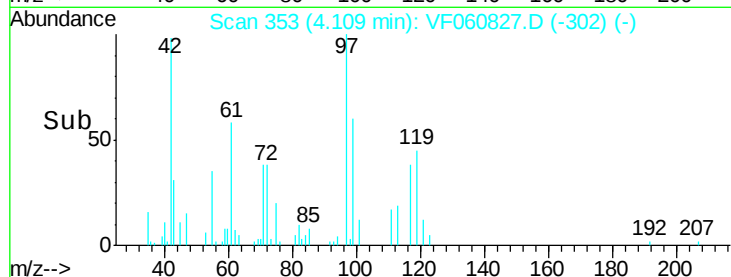
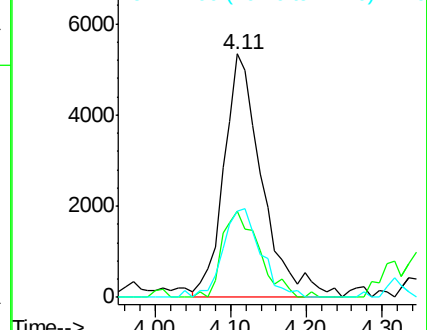
71 36.4 28.7 43.1



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 9.894 ug/l

RT: 3.89 min Scan# 331

Delta R.T. -0.00 min

Lab File: VF060827.D

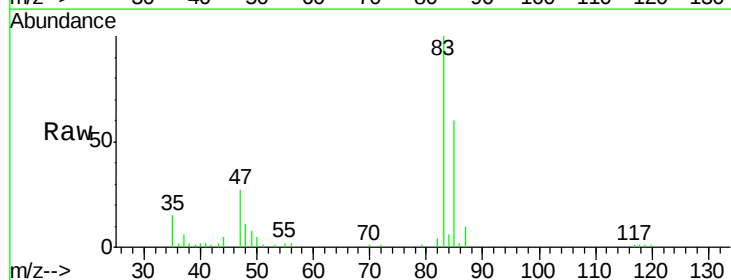
Acq: 26 Nov 2018 17:33

Tgt Ion: 83 Resp: 55487

Ion Ratio Lower Upper

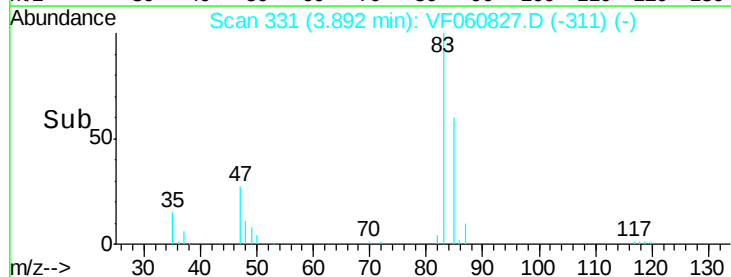
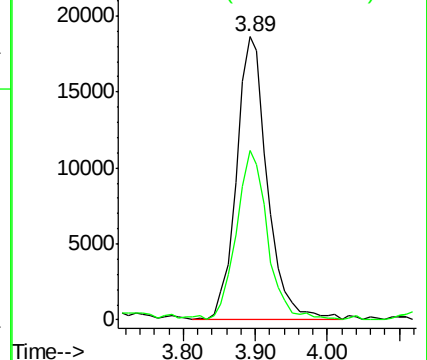
83 100

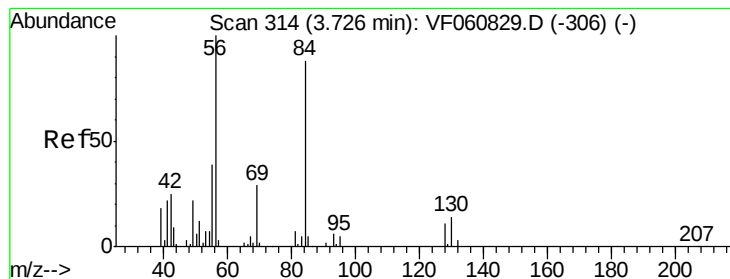
85 59.8 53.4 80.2



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 8.749 ug/l

RT: 3.72 min Scan# 314

Delta R.T. -0.00 min

Lab File: VF060827.D

Acq: 26 Nov 2018 17:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

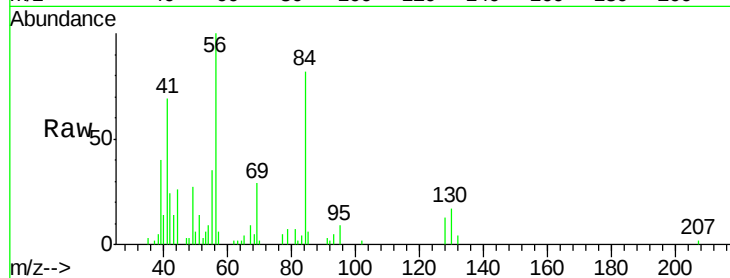
Tgt Ion: 56 Resp: 36744

Ion Ratio Lower Upper

56 100

69 28.9 23.0 34.4

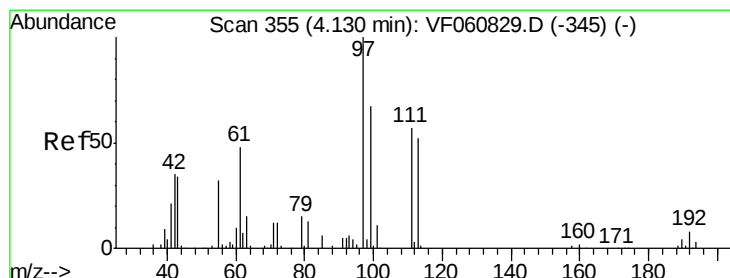
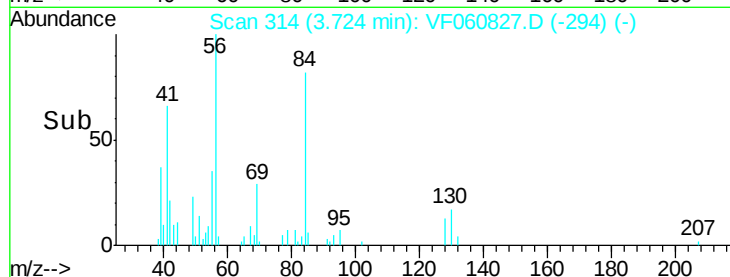
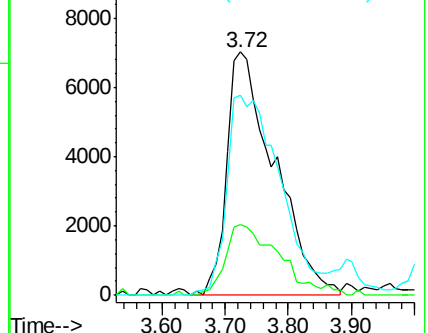
84 82.1 70.4 105.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 9.042 ug/l

RT: 4.13 min Scan# 355

Delta R.T. -0.00 min

Lab File: VF060827.D

Acq: 26 Nov 2018 17:33

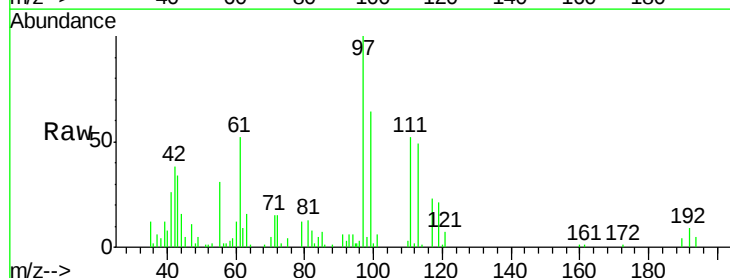
Tgt Ion: 97 Resp: 39806

Ion Ratio Lower Upper

97 100

99 63.6 53.5 80.3

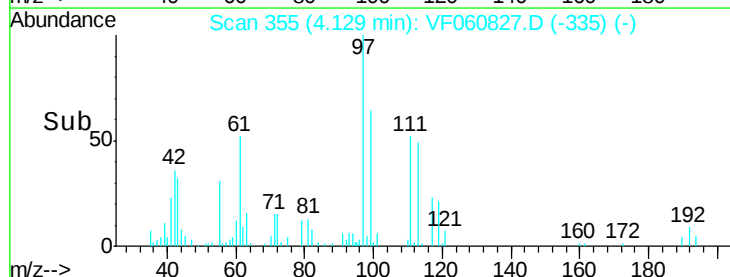
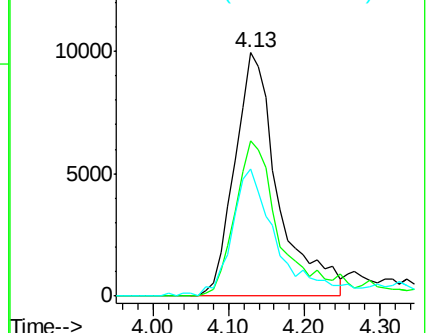
61 52.1 38.6 58.0

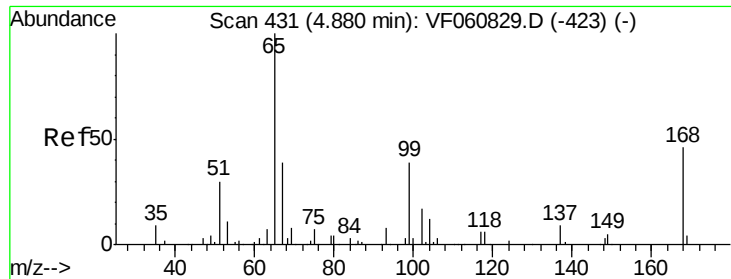


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 9.568 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.01 min

Lab File: VF060827.D

Acq: 26 Nov 2018 17:33

Instrument :

MSVOA_F

ClientSampleId :

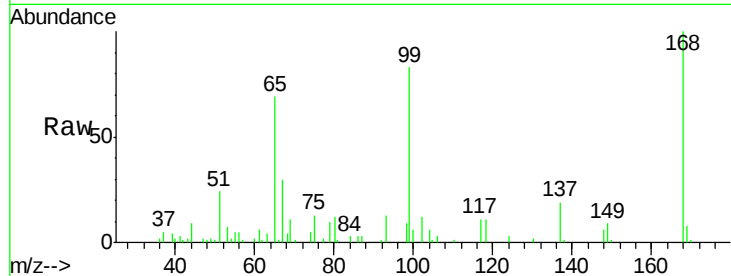
VSTDIC010

Tgt Ion: 65 Resp: 23821

Ion Ratio Lower Upper

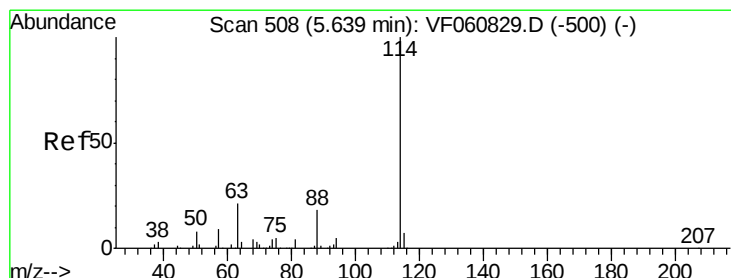
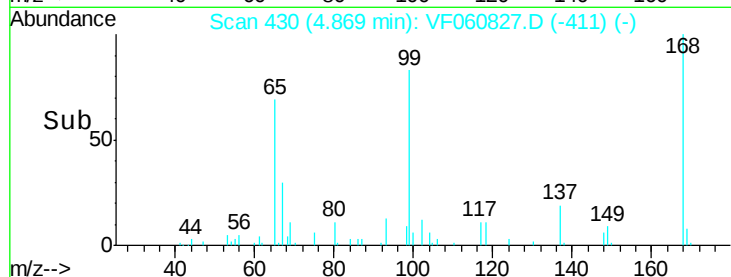
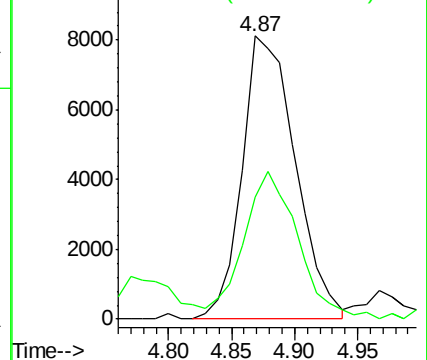
65 100

67 43.3 0.0 96.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 508

Delta R.T. -0.00 min

Lab File: VF060827.D

Acq: 26 Nov 2018 17:33

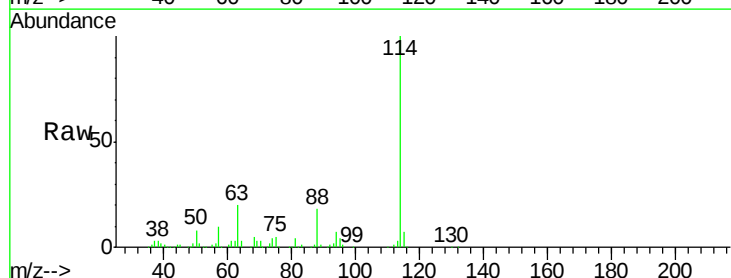
Tgt Ion: 114 Resp: 340360

Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.6

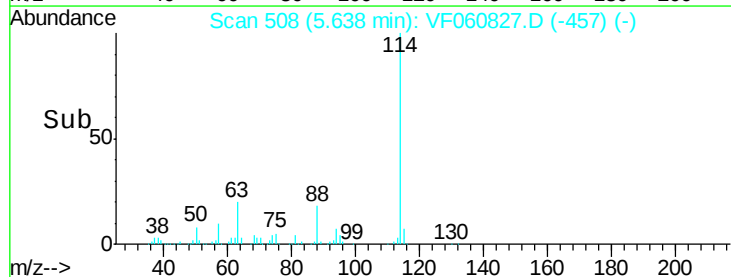
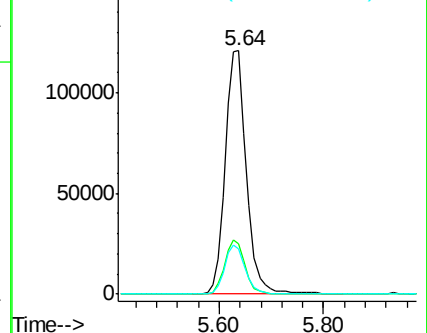
88 18.3 0.0 36.6



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: 10.215 ug/l

RT: 4.15 min Scan# 357

Delta R.T. -0.00 min

Lab File: VF060827.D

Acq: 26 Nov 2018 17:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

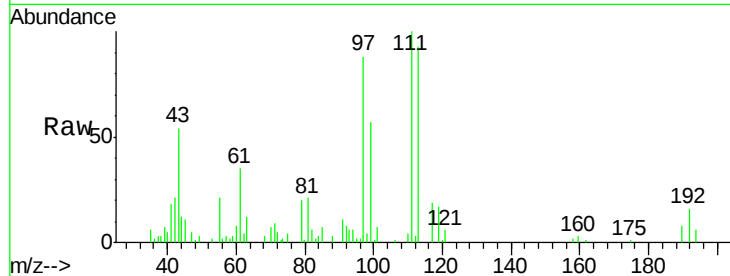
Tgt Ion:113 Resp: 26869

Ion Ratio Lower Upper

113 100

111 107.7 83.0 124.6

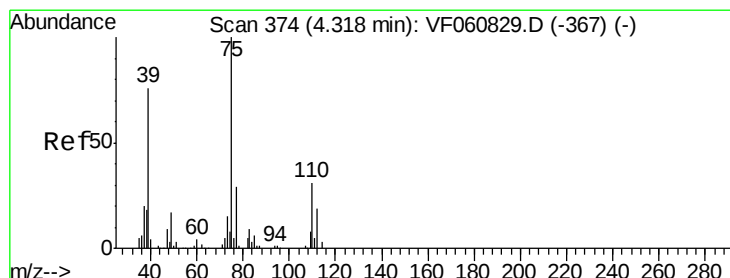
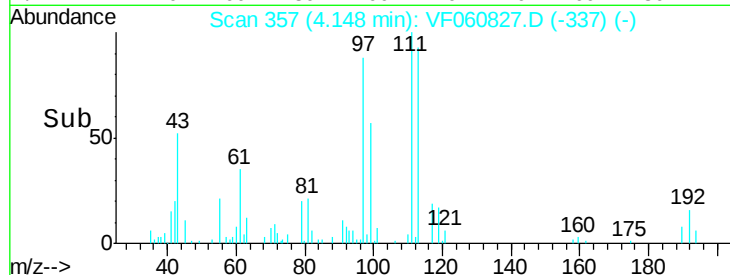
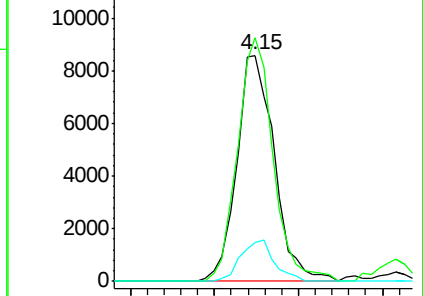
192 17.2 12.3 18.5



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 10.344 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.00 min

Lab File: VF060827.D

Acq: 26 Nov 2018 17:33

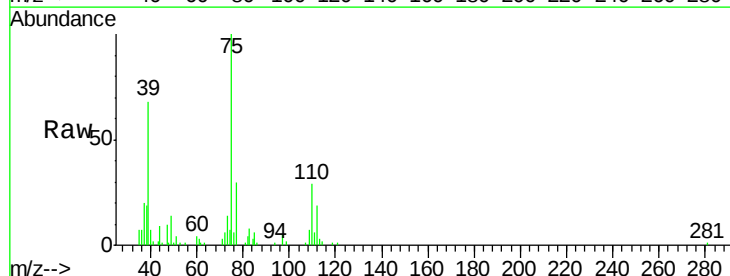
Tgt Ion: 75 Resp: 40625

Ion Ratio Lower Upper

75 100

110 29.2 15.6 46.8

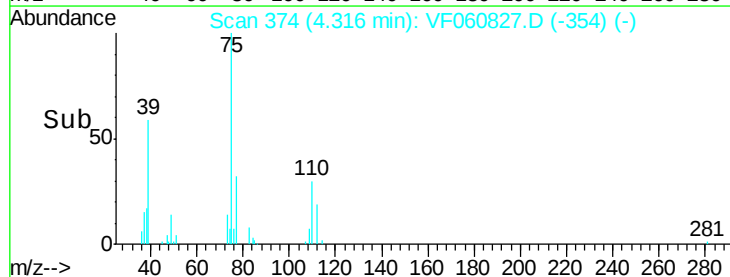
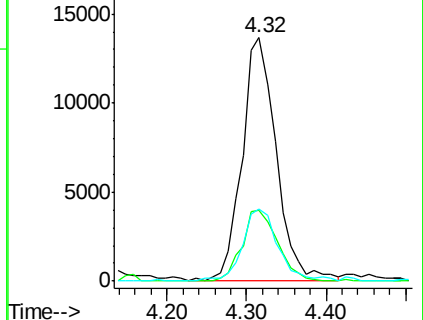
77 29.8 23.4 35.0

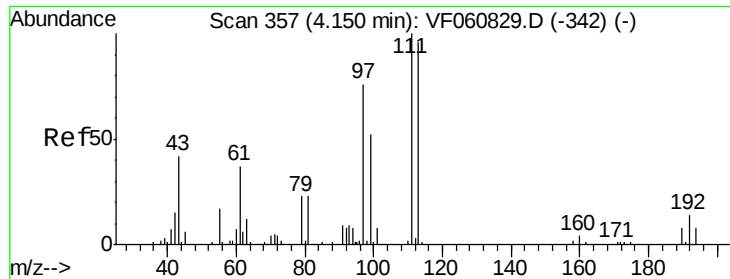


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

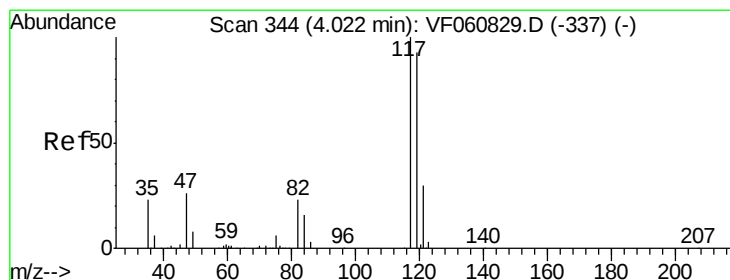
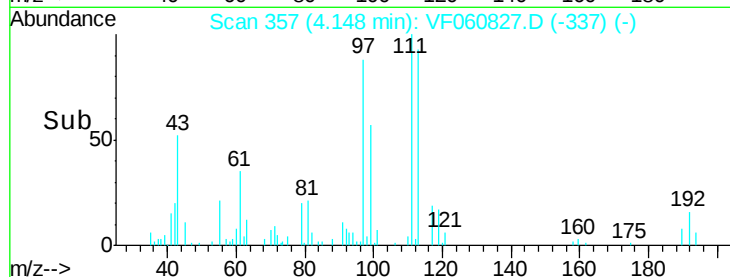
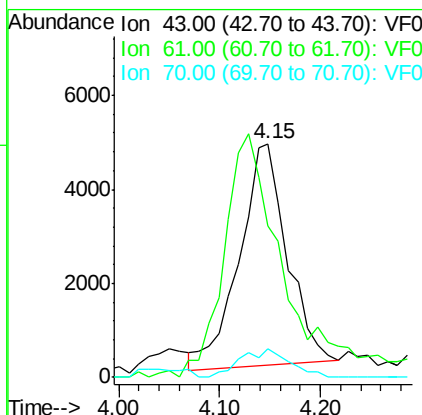
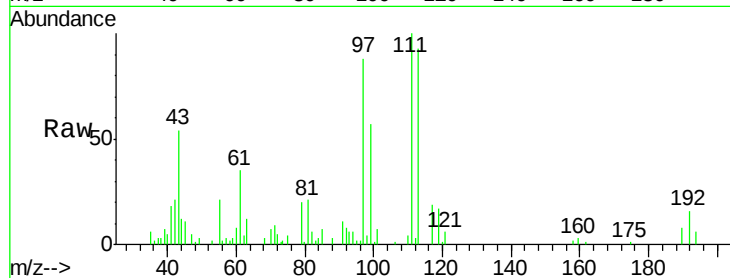




#37
Ethyl Acetate
Concen: 10.539 ug/l
RT: 4.15 min Scan# 357
Delta R.T. -0.00 min
Lab File: VF060827.D
Acq: 26 Nov 2018 17:33

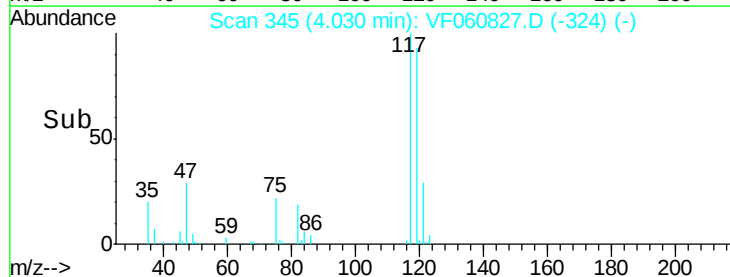
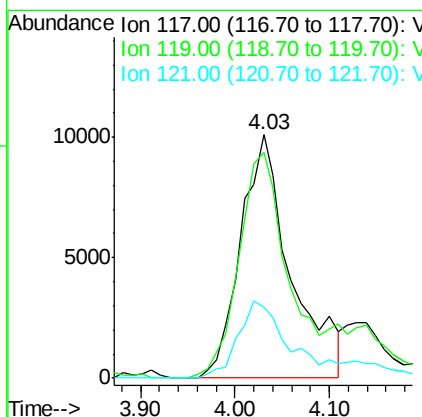
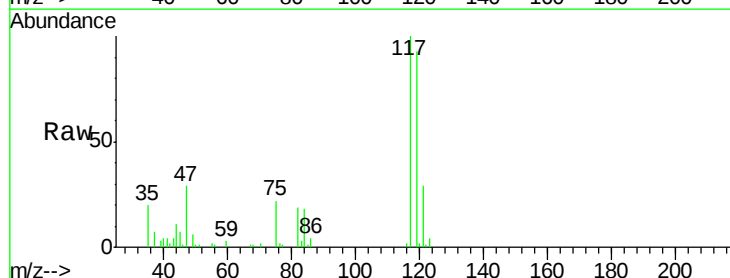
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

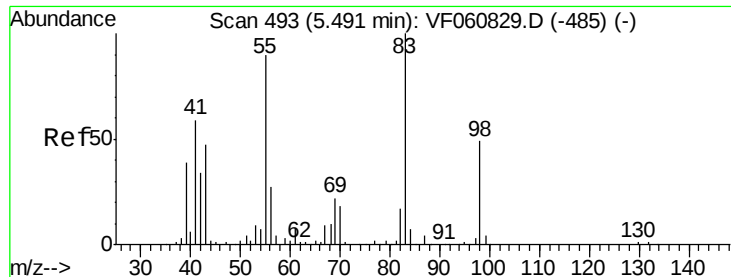
Tgt Ion: 43 Resp: 15618
Ion Ratio Lower Upper
43 100
61 65.0 68.6 103.0#
70 12.3 9.0 13.4



#38
Carbon Tetrachloride
Concen: 9.768 ug/l
RT: 4.03 min Scan# 345
Delta R.T. 0.01 min
Lab File: VF060827.D
Acq: 26 Nov 2018 17:33

Tgt Ion: 117 Resp: 37308
Ion Ratio Lower Upper
117 100
119 92.6 74.4 111.6
121 29.3 23.5 35.3

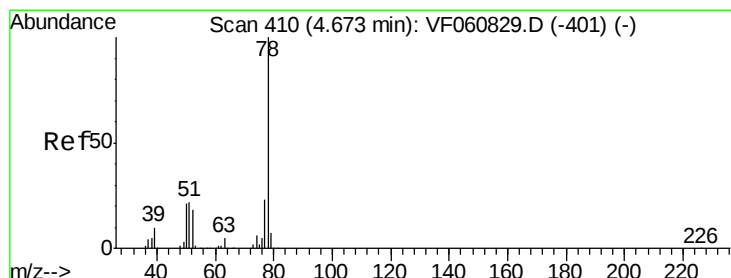
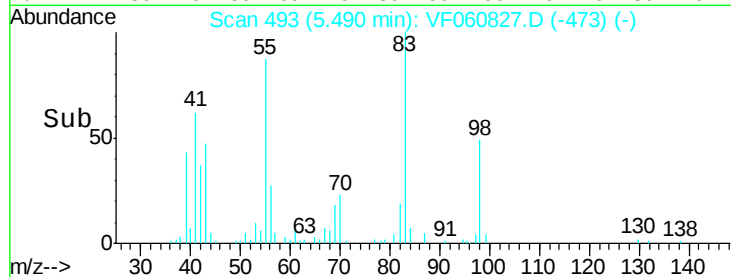
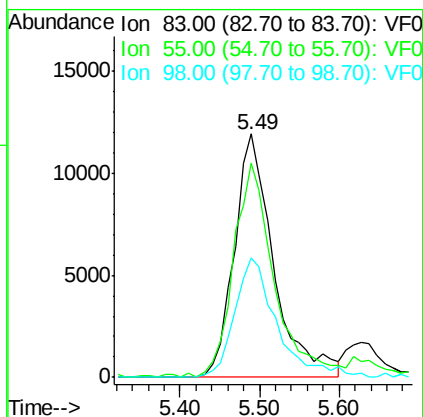
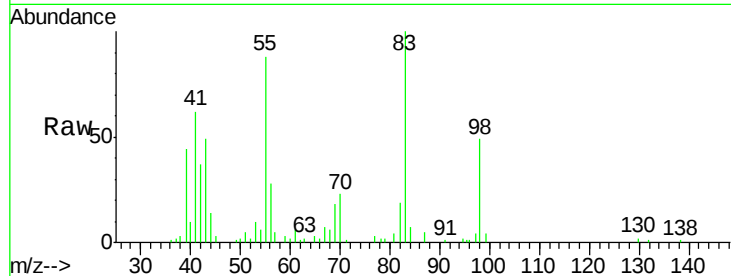




#39
Methylcyclohexane
Concen: 9.172 ug/l
RT: 5.49 min Scan# 493
Delta R.T. -0.00 min
Lab File: VF060827.D
Acq: 26 Nov 2018 17:33

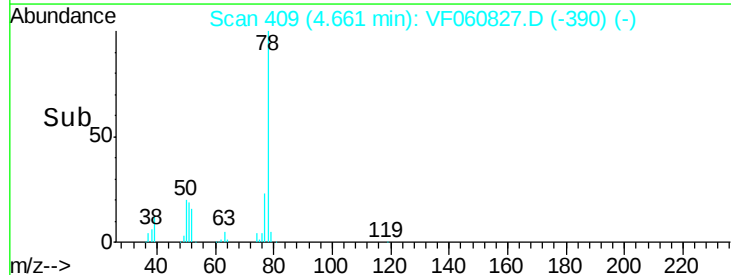
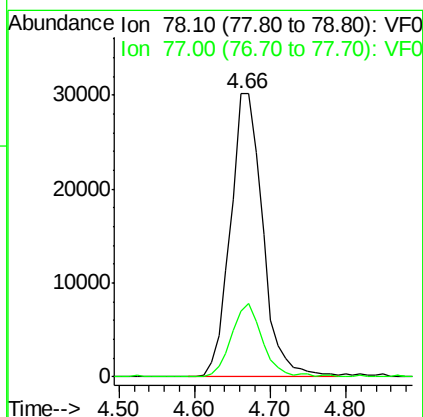
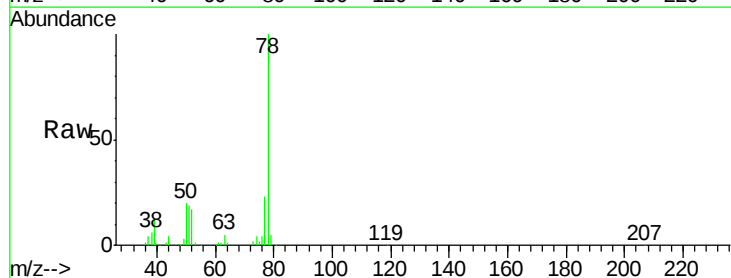
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

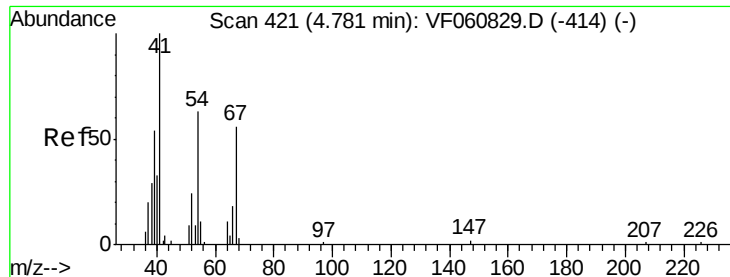
Tgt Ion: 83 Resp: 41063
Ion Ratio Lower Upper
83 100
55 88.0 72.1 108.1
98 49.3 39.1 58.7



#40
Benzene
Concen: 10.207 ug/l
RT: 4.66 min Scan# 409
Delta R.T. -0.01 min
Lab File: VF060827.D
Acq: 26 Nov 2018 17:33

Tgt Ion: 78 Resp: 89128
Ion Ratio Lower Upper
78 100
77 23.4 18.7 28.1

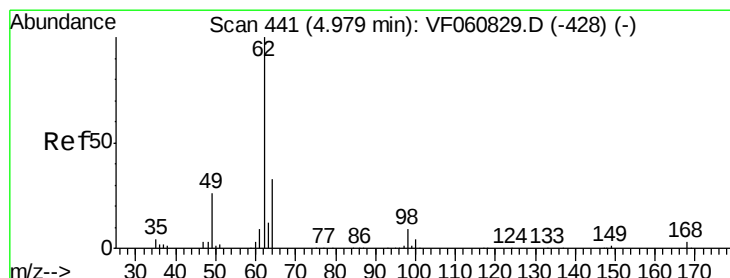
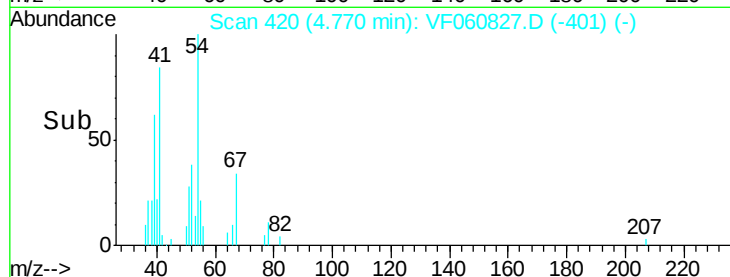
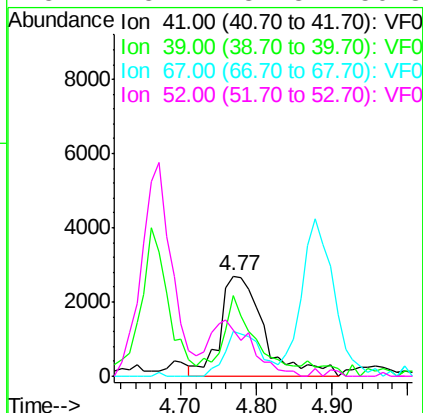
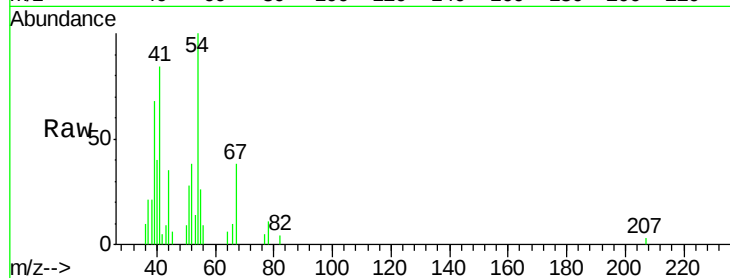




#41
Methacrylonitrile
Concen: 12.151 ug/l
RT: 4.77 min Scan# 420
Delta R.T. -0.01 min
Lab File: VF060827.D
Acq: 26 Nov 2018 17:33

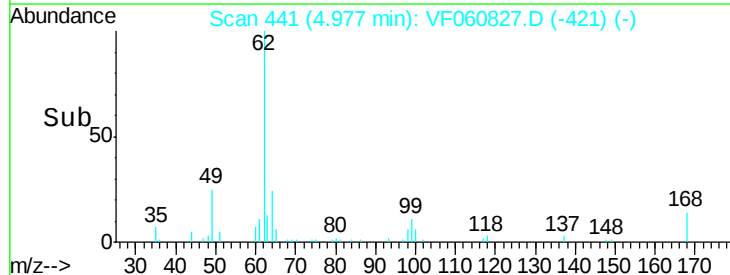
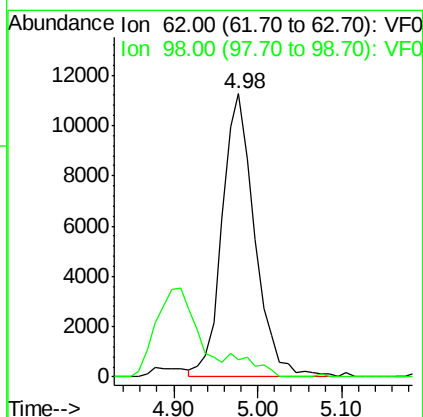
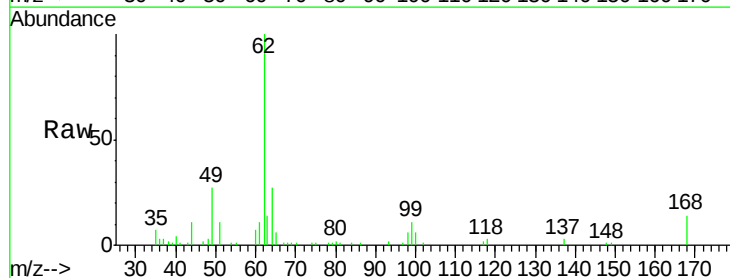
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tgt Ion: 41 Resp: 10783
Ion Ratio Lower Upper
41 100
39 81.3 53.0 79.6#
67 45.2 43.8 65.6
52 45.7 37.8 56.8



#42
1,2-Dichloroethane
Concen: 9.873 ug/l
RT: 4.98 min Scan# 441
Delta R.T. -0.00 min
Lab File: VF060827.D
Acq: 26 Nov 2018 17:33

Tgt Ion: 62 Resp: 30401
Ion Ratio Lower Upper
62 100
98 5.9 0.0 17.2





#43

Isopropyl Acetate

Concen: 10.985 ug/l

RT: 6.99 min Scan# 645

Delta R.T. -0.00 min

Lab File: VF060827.D

Acq: 26 Nov 2018 17:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

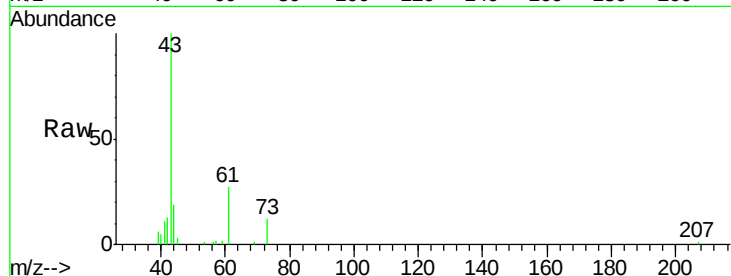
Tgt Ion: 43 Resp: 21718

Ion Ratio Lower Upper

43 100

61 27.1 21.4 32.0

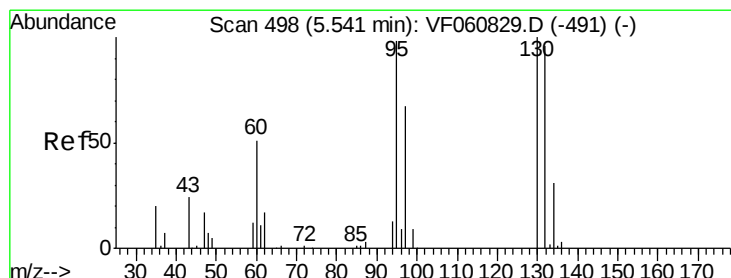
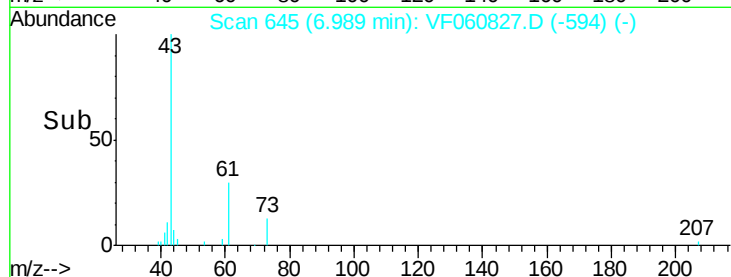
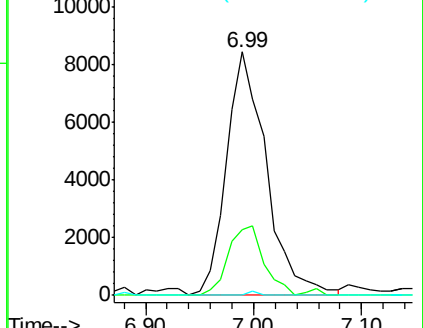
87 0.0 0.2 0.4#



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: 10.571 ug/l

RT: 5.54 min Scan# 498

Delta R.T. -0.00 min

Lab File: VF060827.D

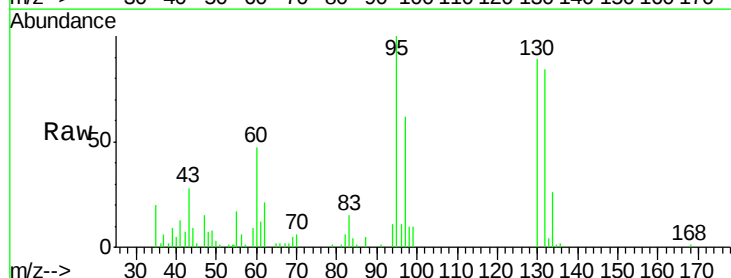
Acq: 26 Nov 2018 17:33

Tgt Ion:130 Resp: 29473

Ion Ratio Lower Upper

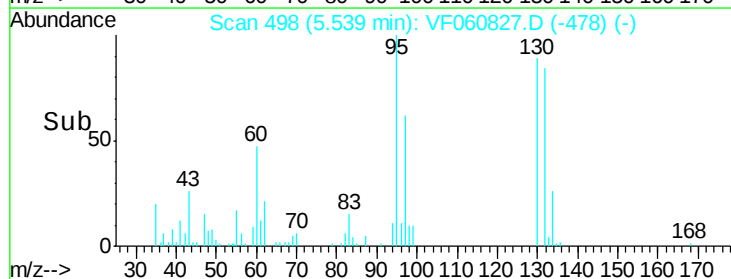
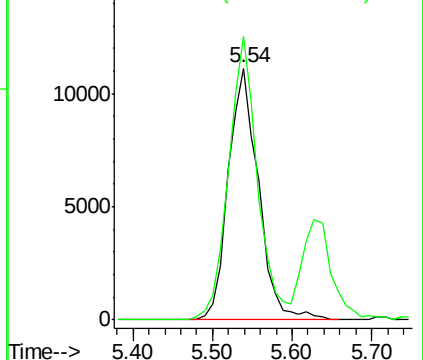
130 100

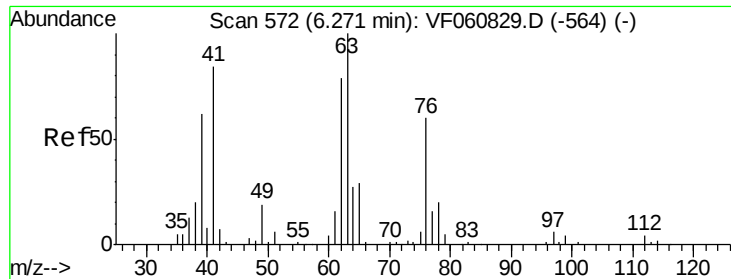
95 112.5 0.0 195.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

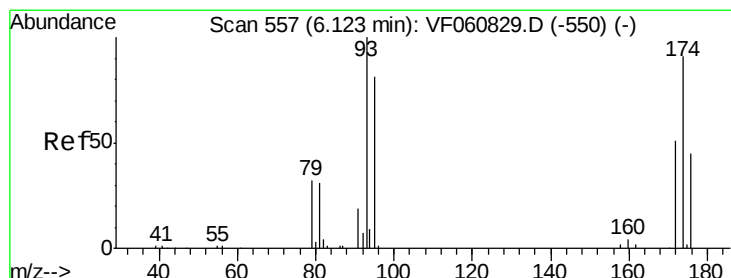
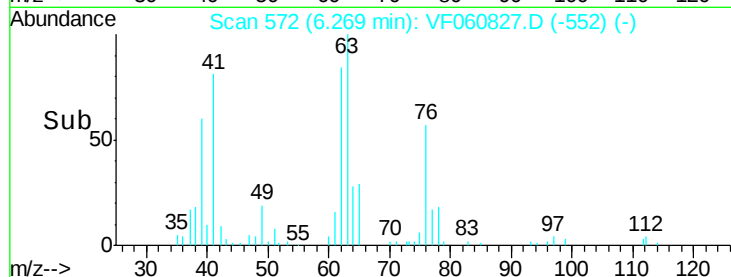
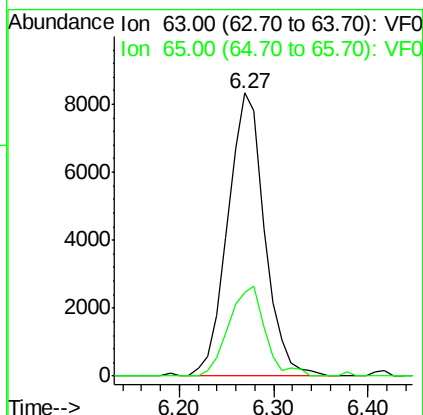
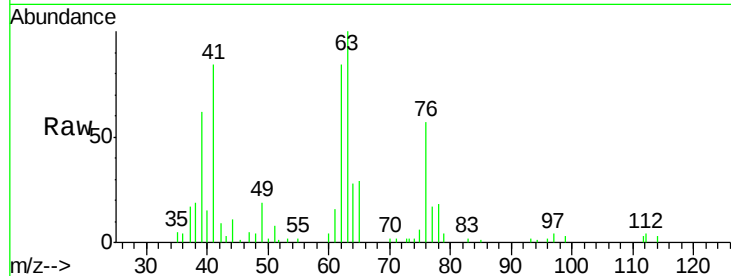




#45
 1,2-Dichloropropane
 Concen: 9.727 ug/l
 RT: 6.27 min Scan# 572
 Delta R.T. -0.00 min
 Lab File: VF060827.D
 Acq: 26 Nov 2018 17:33

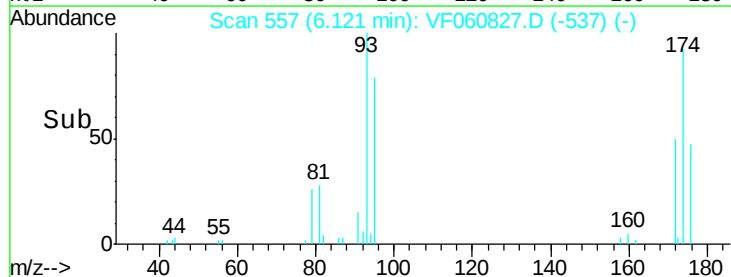
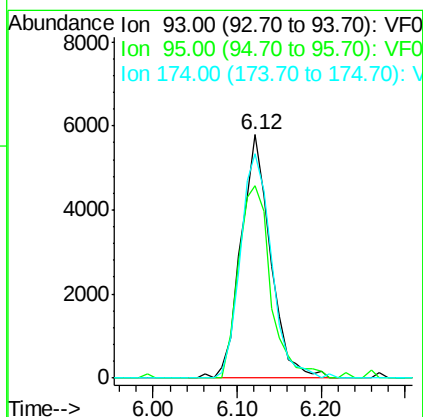
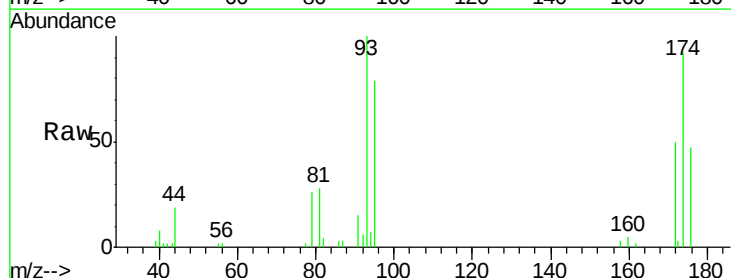
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

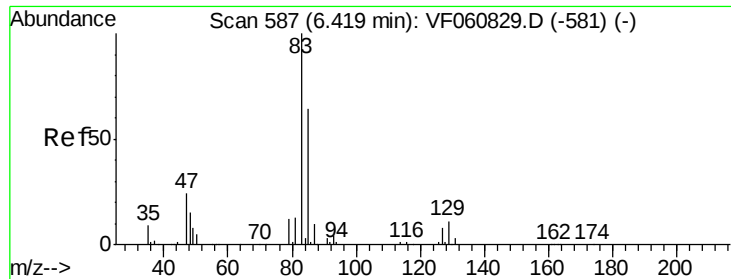
Tgt Ion: 63 Resp: 22498
 Ion Ratio Lower Upper
 63 100
 65 29.4 23.2 34.8



#46
 Dibromomethane
 Concen: 9.376 ug/l
 RT: 6.12 min Scan# 557
 Delta R.T. -0.00 min
 Lab File: VF060827.D
 Acq: 26 Nov 2018 17:33

Tgt Ion: 93 Resp: 14211
 Ion Ratio Lower Upper
 93 100
 95 79.1 64.7 97.1
 174 92.2 73.0 109.6





#47

Bromodichloromethane

Concen: 10.001 ug/l

RT: 6.42 min Scan# 587

Delta R.T. -0.00 min

Lab File: VF060827.D

Acq: 26 Nov 2018 17:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

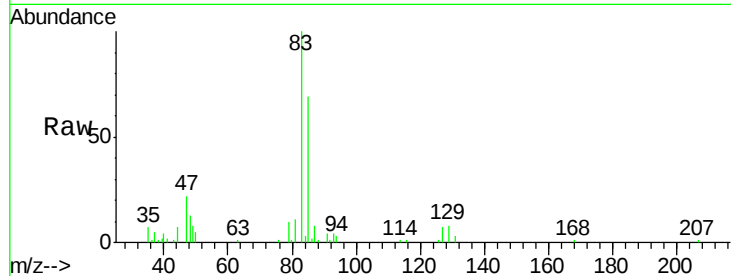
Tgt Ion: 83 Resp: 38643

Ion Ratio Lower Upper

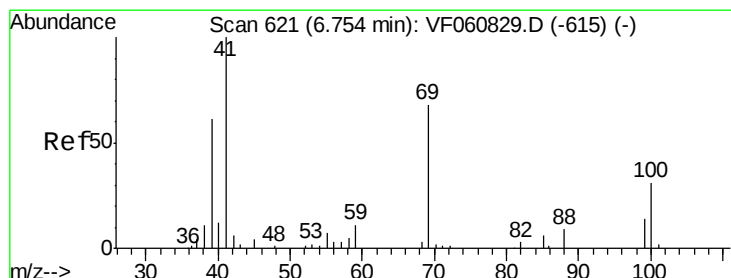
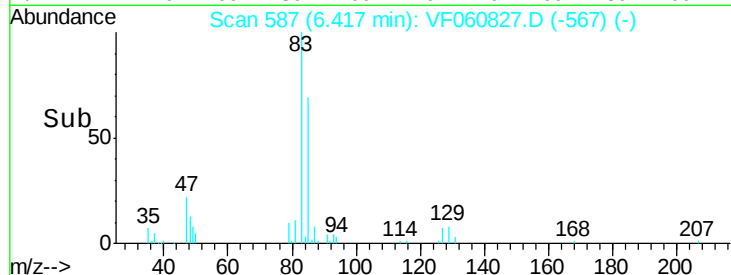
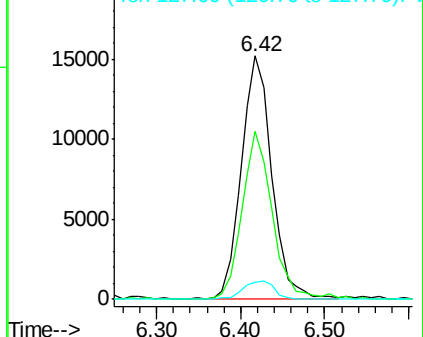
83 100

85 69.0 51.1 76.7

127 6.9 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: 10.595 ug/l

RT: 6.74 min Scan# 620

Delta R.T. -0.01 min

Lab File: VF060827.D

Acq: 26 Nov 2018 17:33

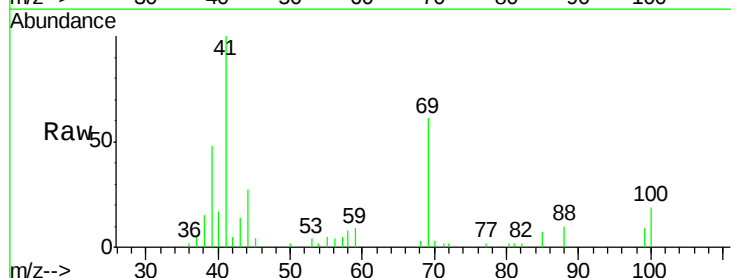
Tgt Ion: 41 Resp: 14015

Ion Ratio Lower Upper

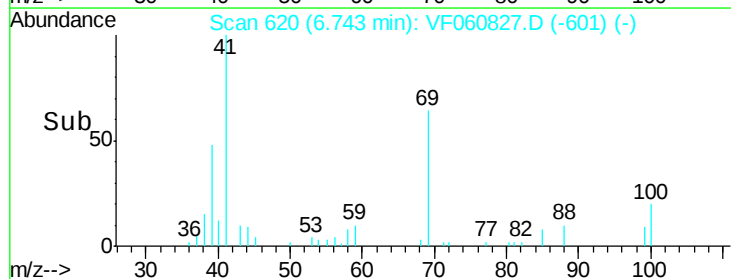
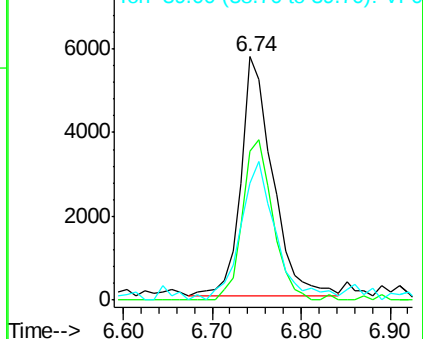
41 100

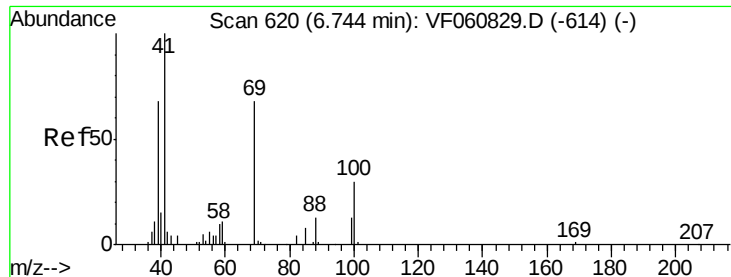
69 61.4 53.9 80.9

39 48.1 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: 142.395 ug/l

RT: 6.73 min Scan# 619

Delta R.T. -0.01 min

Lab File: VF060827.D

Acq: 26 Nov 2018 17:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

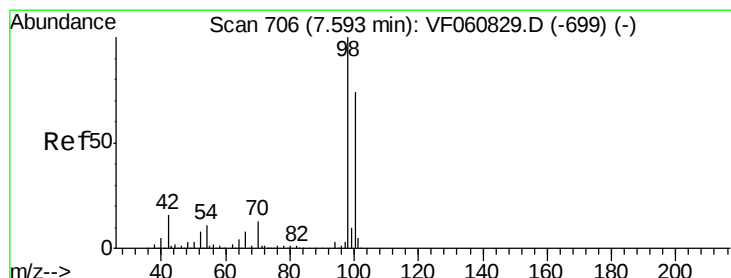
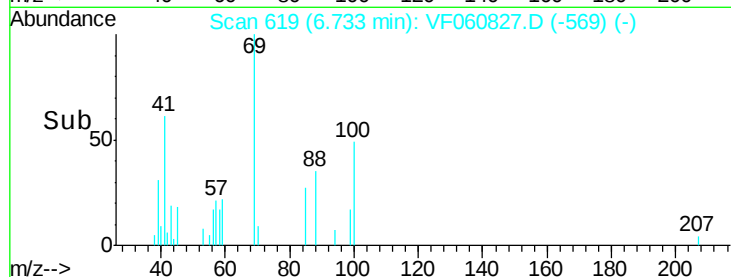
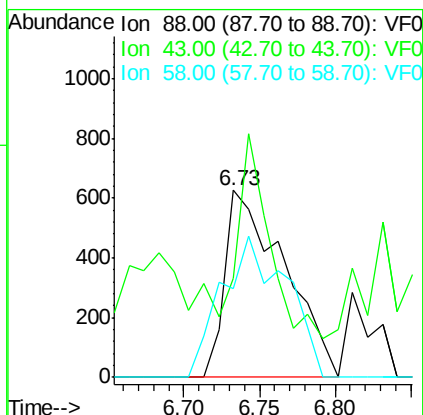
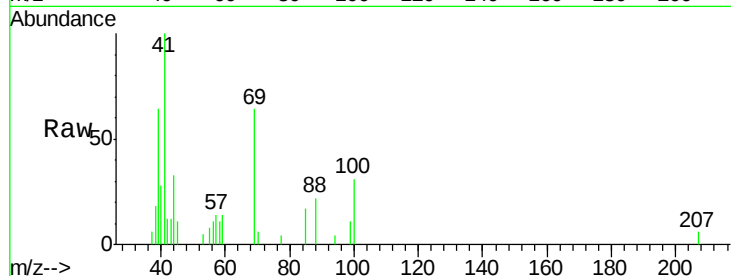
Tgt Ion: 88 Resp: 1719

Ion Ratio Lower Upper

88 100

43 53.0 42.0 63.0

58 47.3 61.8 92.8#



#50

Toluene-d8

Concen: 10.560 ug/l

RT: 7.58 min Scan# 705

Delta R.T. -0.01 min

Lab File: VF060827.D

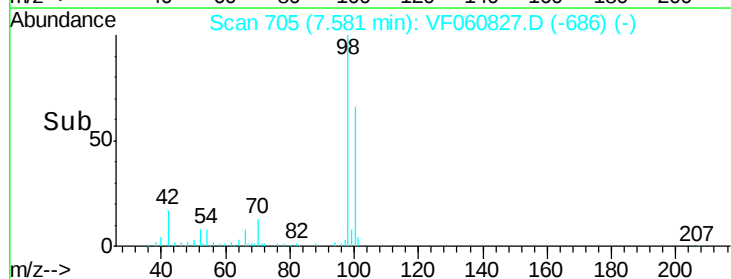
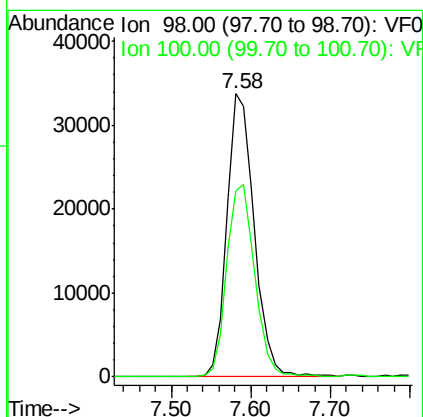
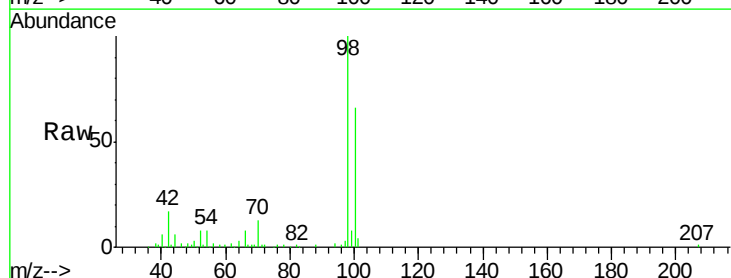
Acq: 26 Nov 2018 17:33

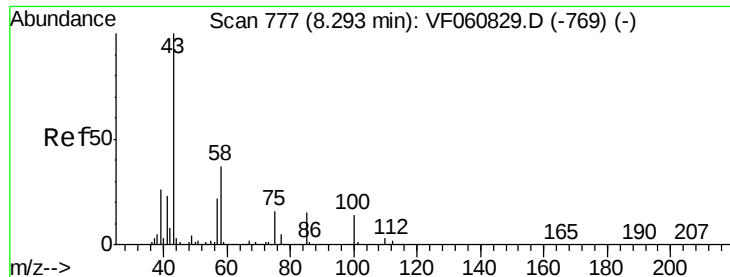
Tgt Ion: 98 Resp: 81237

Ion Ratio Lower Upper

98 100

100 65.6 59.3 88.9





#51

4-Methyl-2-Pentanone

Concen: 54.932 ug/l

RT: 8.29 min Scan# 777

Delta R.T. -0.00 min

Lab File: VF060827.D

Acq: 26 Nov 2018 17:33

Instrument :

MSVOA_F

ClientSampleId :

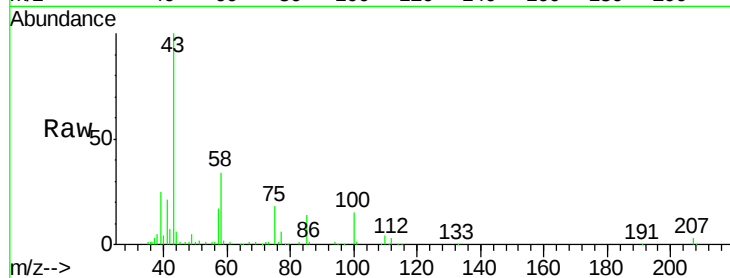
VSTDIC010

Tgt Ion: 43 Resp: 77731

Ion Ratio Lower Upper

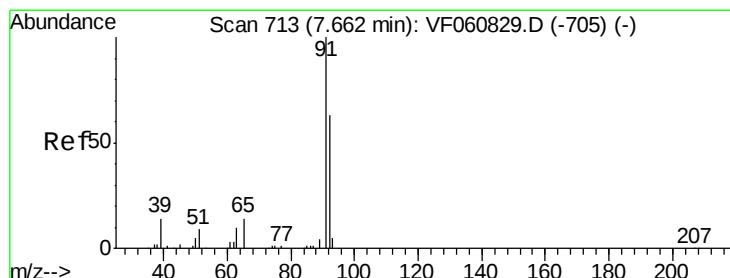
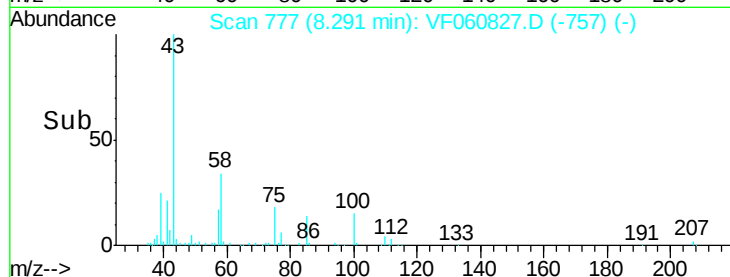
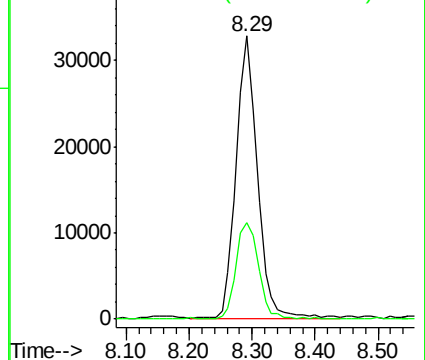
43 100

58 34.1 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 10.872 ug/l

RT: 7.66 min Scan# 713

Delta R.T. -0.00 min

Lab File: VF060827.D

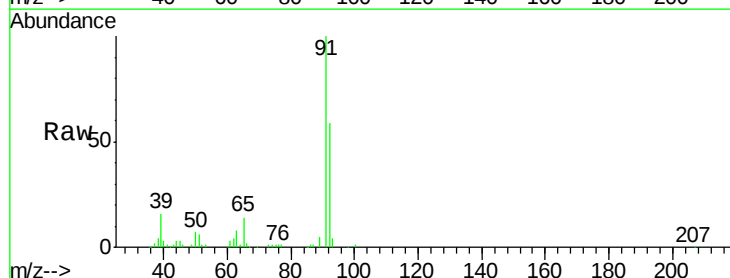
Acq: 26 Nov 2018 17:33

Tgt Ion: 92 Resp: 63727

Ion Ratio Lower Upper

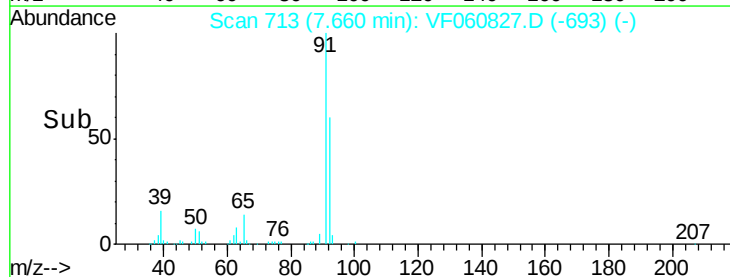
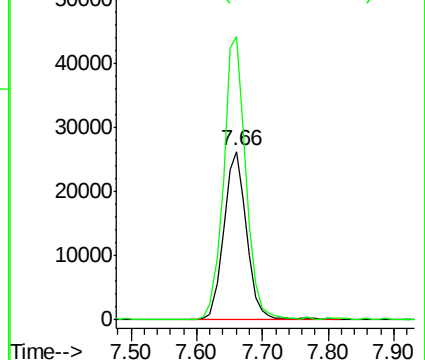
92 100

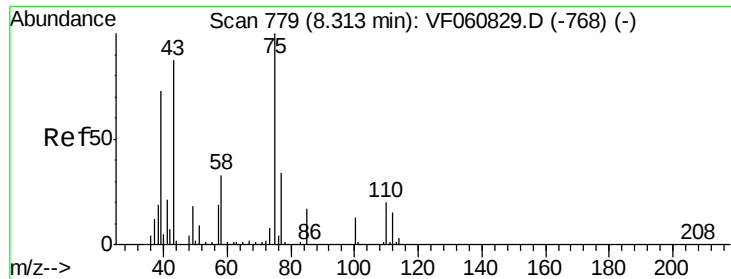
91 168.3 126.2 189.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 10.682 ug/l

RT: 8.31 min Scan# 779

Delta R.T. -0.00 min

Lab File: VF060827.D

Acq: 26 Nov 2018 17:33

Instrument :

MSVOA_F

ClientSampleId :

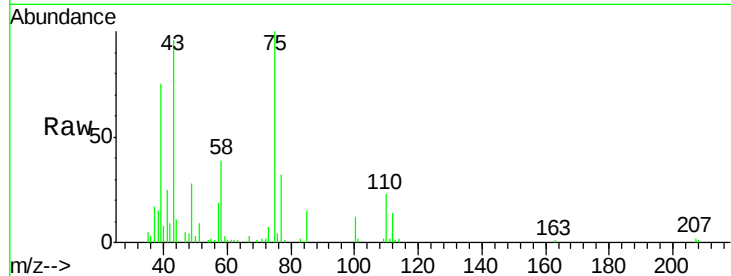
VSTDIC010

Tgt Ion: 75 Resp: 33467

Ion Ratio Lower Upper

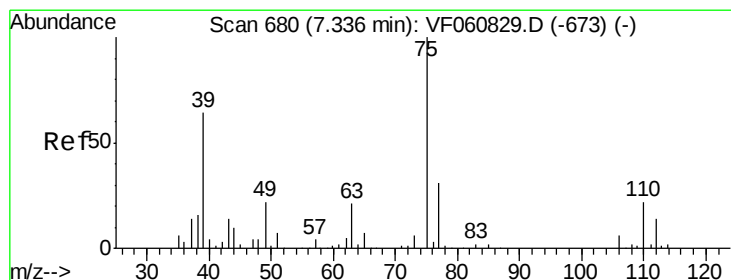
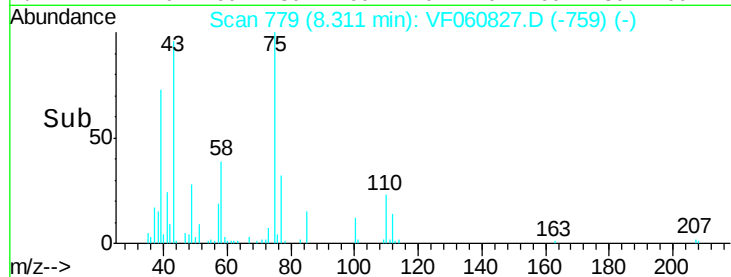
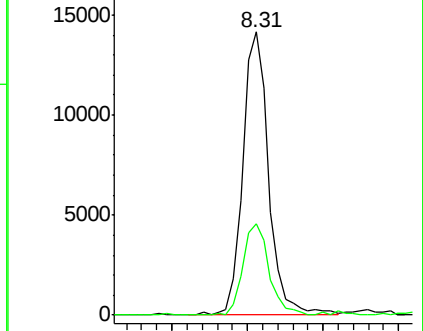
75 100

77 32.2 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: 10.112 ug/l

RT: 7.33 min Scan# 680

Delta R.T. -0.00 min

Lab File: VF060827.D

Acq: 26 Nov 2018 17:33

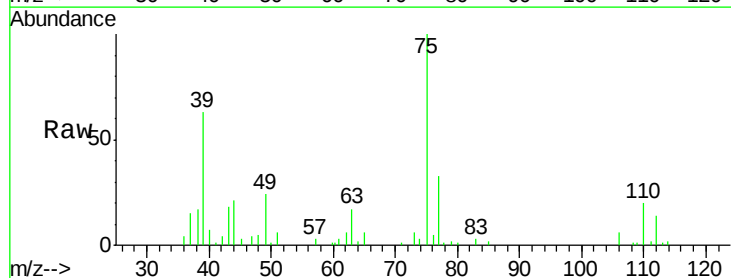
Tgt Ion: 75 Resp: 41417

Ion Ratio Lower Upper

75 100

77 32.9 25.0 37.6

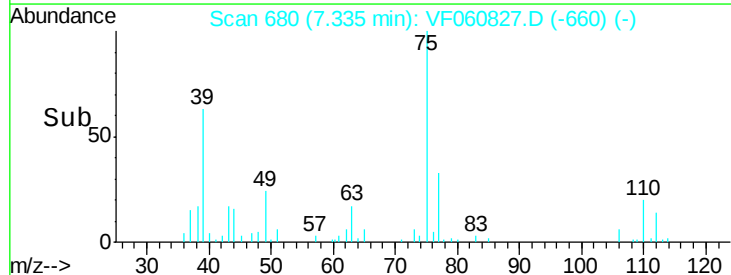
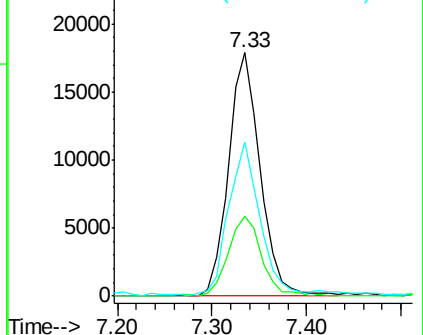
39 63.4 51.1 76.7

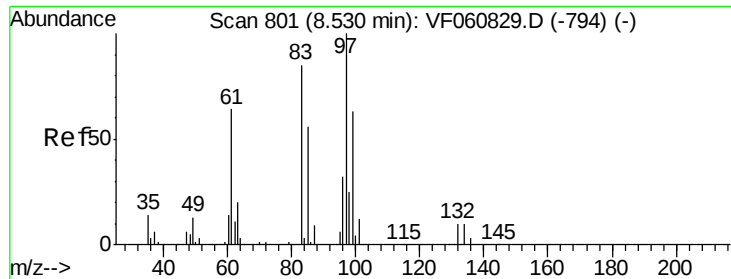


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 10.286 ug/l

RT: 8.52 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF060827.D

Acq: 26 Nov 2018 17:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tgt Ion: 97 Resp: 17388

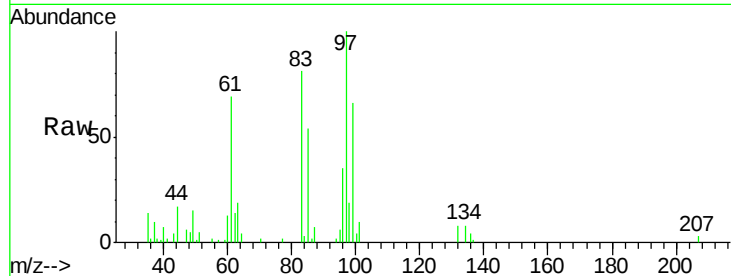
Ion Ratio Lower Upper

97 100

83 81.2 67.8 101.6

85 53.7 45.0 67.6

99 66.4 50.5 75.7

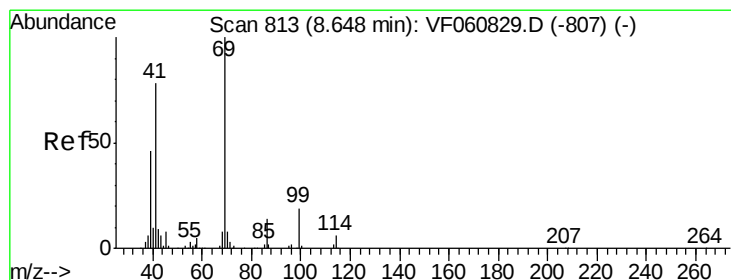
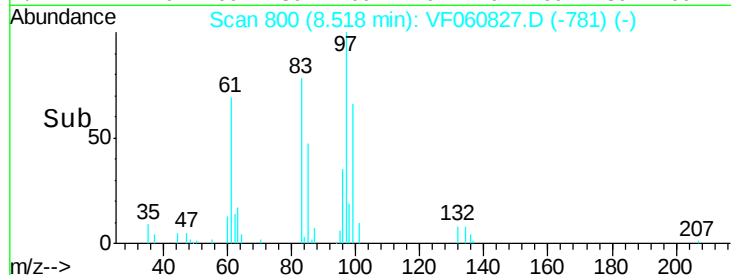
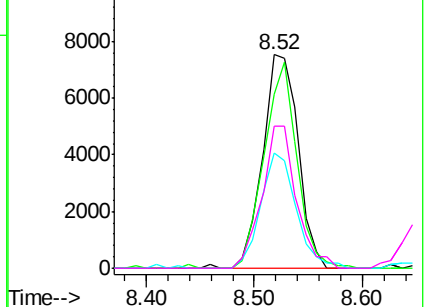


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 10.259 ug/l

RT: 8.65 min Scan# 813

Delta R.T. -0.00 min

Lab File: VF060827.D

Acq: 26 Nov 2018 17:33

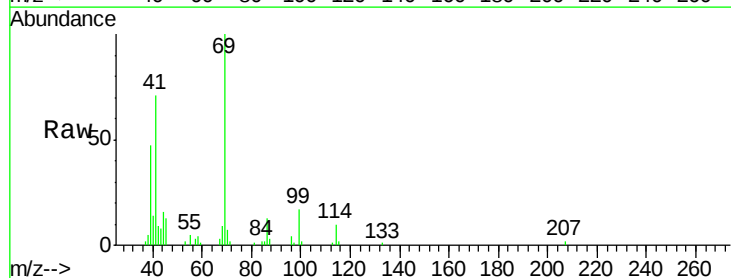
Tgt Ion: 69 Resp: 19911

Ion Ratio Lower Upper

69 100

41 71.2 62.6 94.0

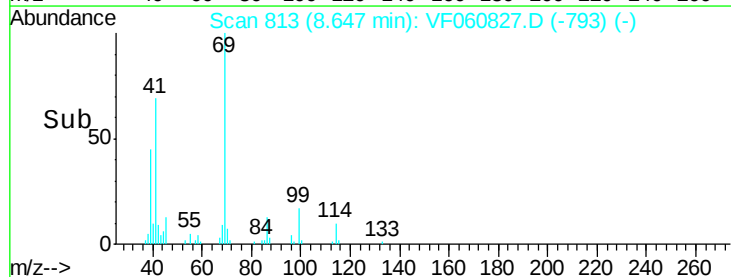
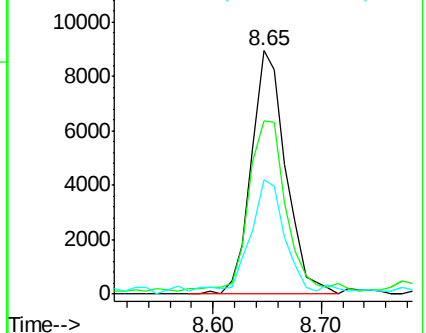
39 46.7 37.8 56.6

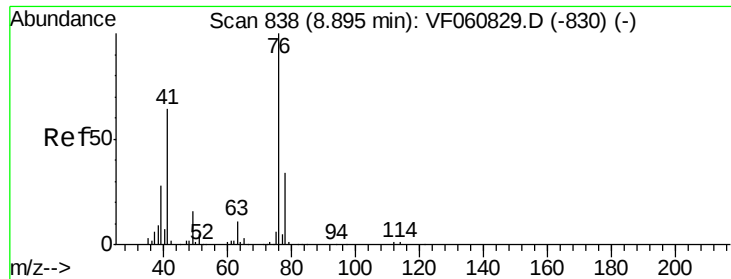


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 10.295 ug/l

RT: 8.88 min Scan# 837

Delta R.T. -0.01 min

Lab File: VF060827.D

Acq: 26 Nov 2018 17:33

Instrument :

MSVOA_F

ClientSampleId :

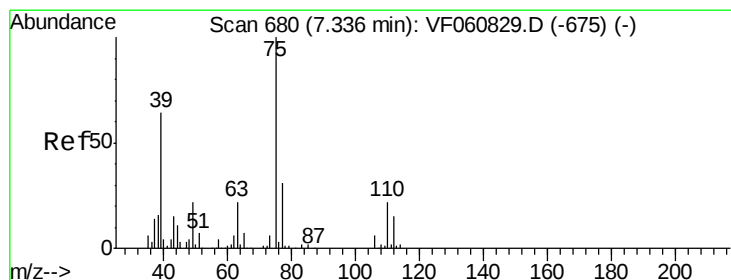
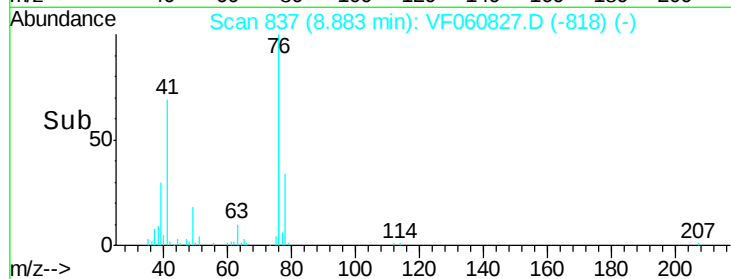
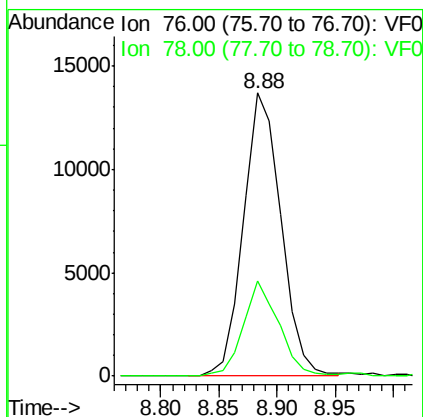
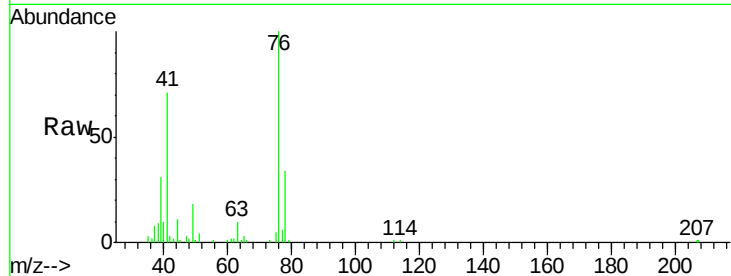
VSTDIC010

Tgt Ion: 76 Resp: 30687

Ion Ratio Lower Upper

76 100

78 33.6 27.0 40.4



#58

2-Chloroethyl Vinyl ether

Concen: 51.722 ug/l

RT: 7.32 min Scan# 679

Delta R.T. -0.01 min

Lab File: VF060827.D

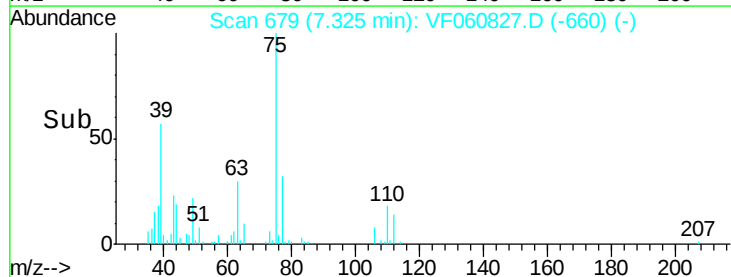
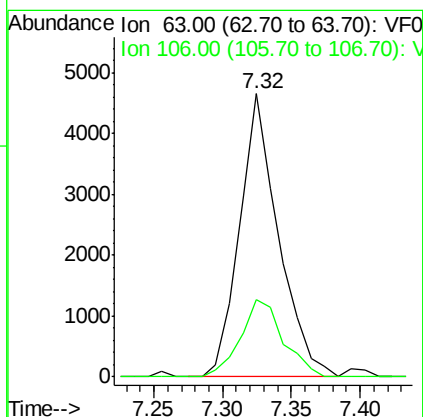
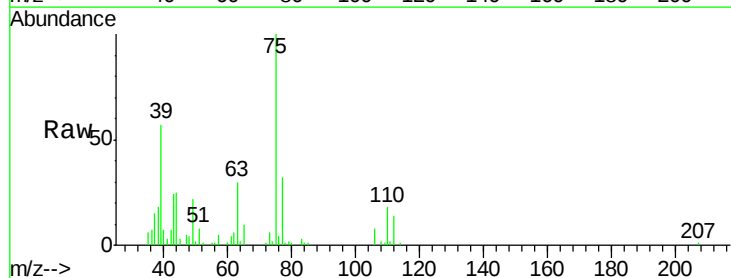
Acq: 26 Nov 2018 17:33

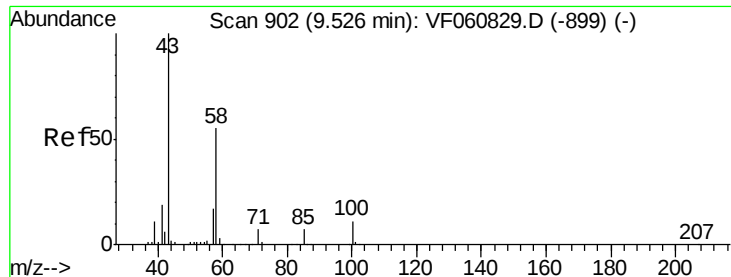
Tgt Ion: 63 Resp: 9123

Ion Ratio Lower Upper

63 100

106 27.1 23.0 34.6

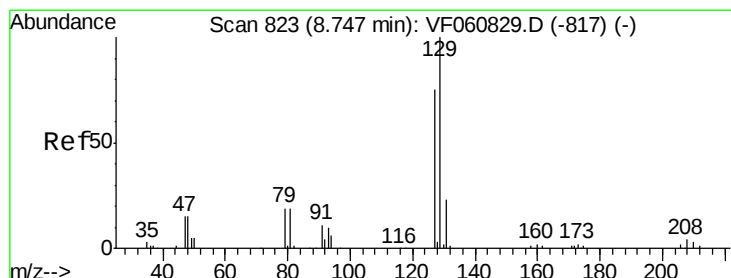
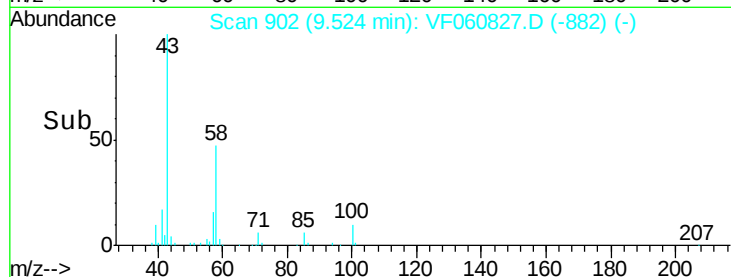
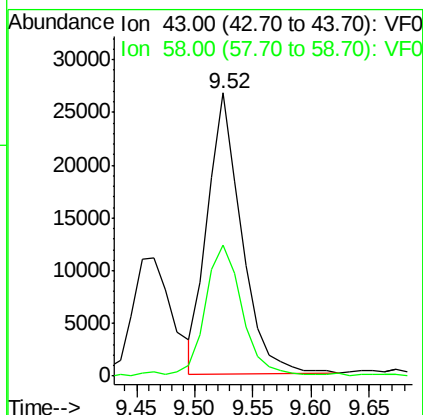
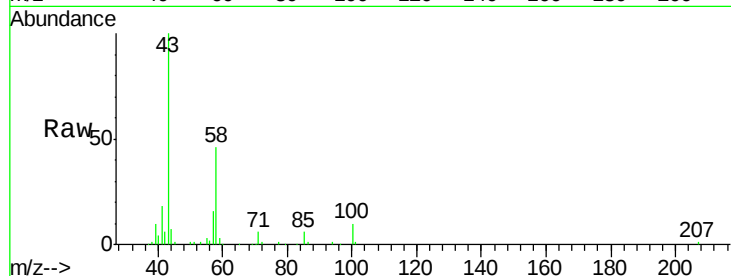




#59
2-Hexanone
Concen: 54.381 ug/l
RT: 9.52 min Scan# 902
Delta R.T. -0.00 min
Lab File: VF060827.D
Acq: 26 Nov 2018 17:33

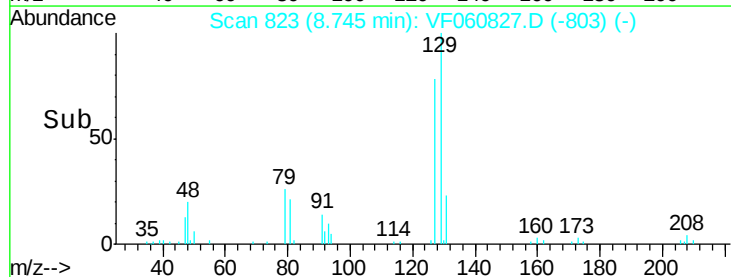
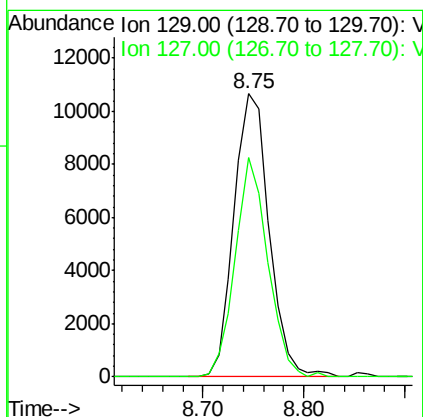
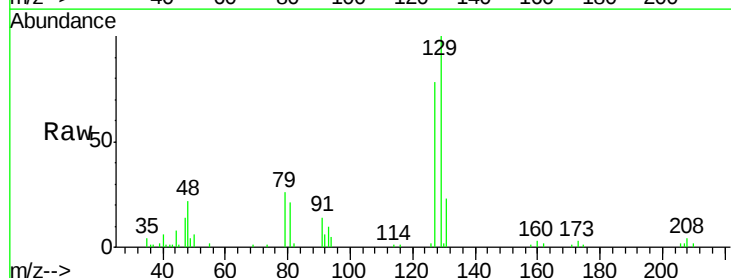
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

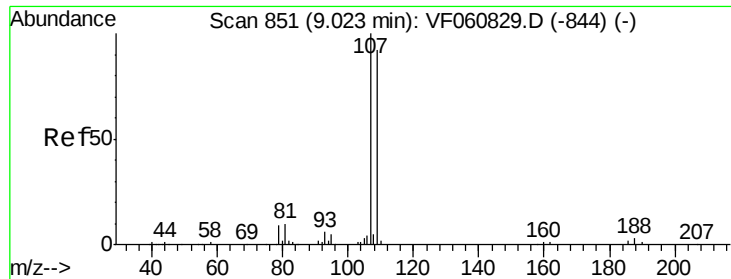
Tgt Ion: 43 Resp: 54362
Ion Ratio Lower Upper
43 100
58 46.4 25.6 76.6



#60
Dibromochloromethane
Concen: 10.611 ug/l
RT: 8.75 min Scan# 823
Delta R.T. -0.00 min
Lab File: VF060827.D
Acq: 26 Nov 2018 17:33

Tgt Ion: 129 Resp: 25935
Ion Ratio Lower Upper
129 100
127 77.6 37.3 111.9

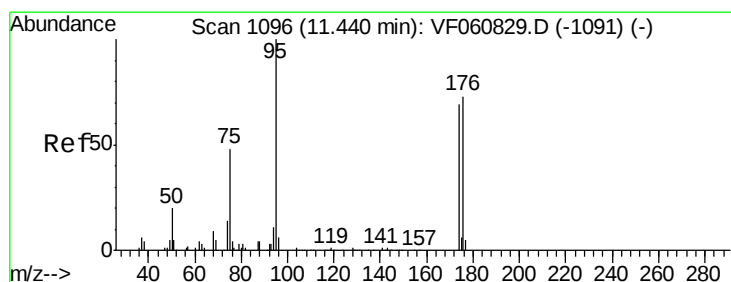
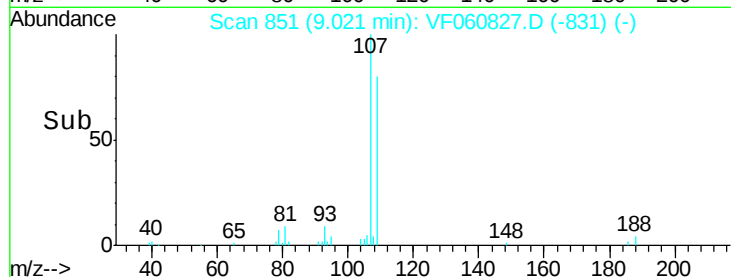
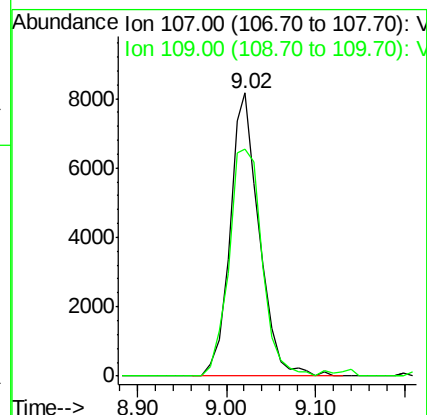
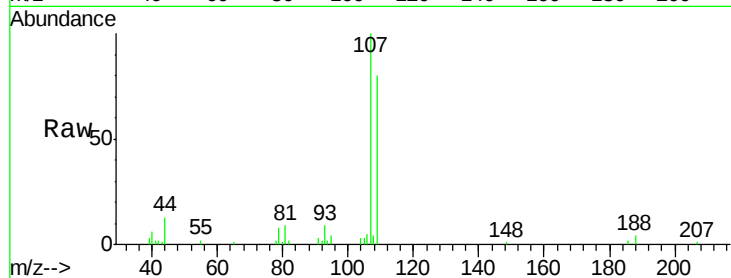




#61
 1,2-Dibromoethane
 Concen: 10.470 ug/l
 RT: 9.02 min Scan# 851
 Delta R.T. -0.00 min
 Lab File: VF060827.D
 Acq: 26 Nov 2018 17:33

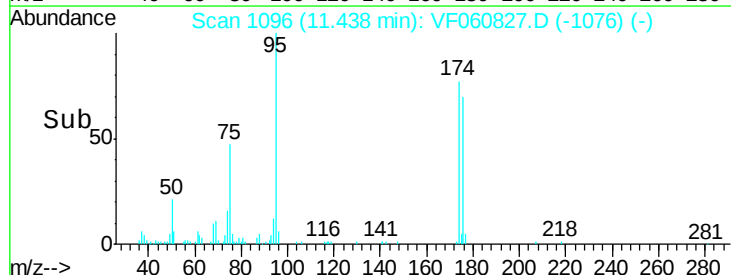
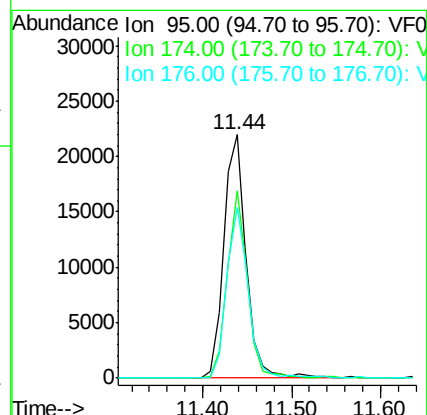
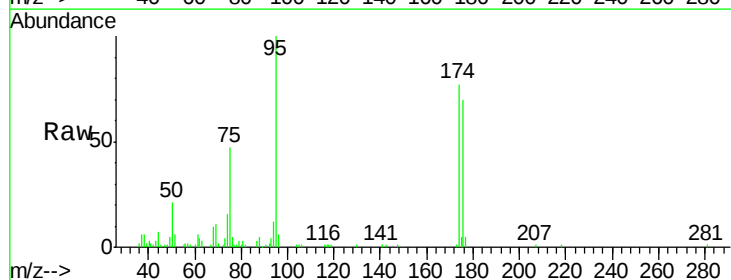
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

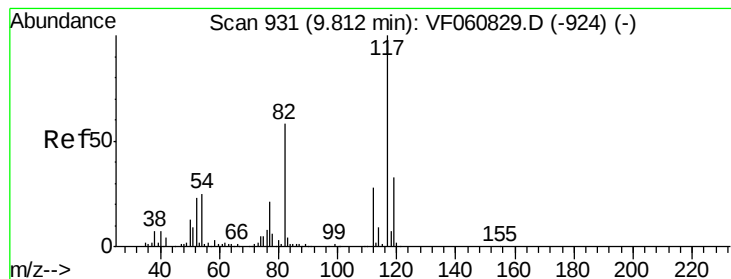
Tgt Ion: 107 Resp: 18679
 Ion Ratio Lower Upper
 107 100
 109 80.3 73.6 110.4



#62
 4-Bromofluorobenzene
 Concen: 10.863 ug/l
 RT: 11.44 min Scan# 1096
 Delta R.T. -0.00 min
 Lab File: VF060827.D
 Acq: 26 Nov 2018 17:33

Tgt Ion: 95 Resp: 38703
 Ion Ratio Lower Upper
 95 100
 174 77.0 0.0 138.2
 176 69.9 0.0 146.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.81 min Scan# 931

Delta R.T. -0.00 min

Lab File: VF060827.D

Acq: 26 Nov 2018 17:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

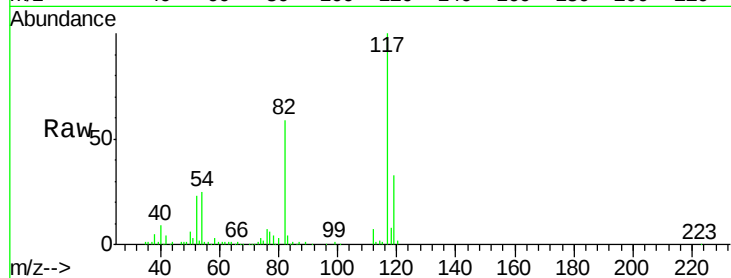
Tgt Ion:117 Resp: 314240

Ion Ratio Lower Upper

117 100

82 58.9 46.6 69.8

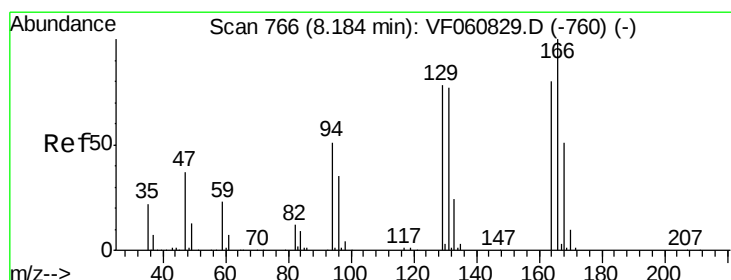
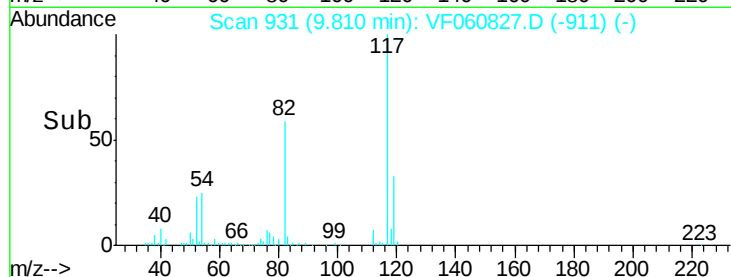
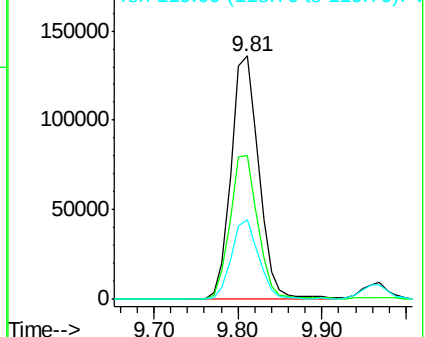
119 32.7 26.4 39.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 10.595 ug/l

RT: 8.18 min Scan# 766

Delta R.T. -0.00 min

Lab File: VF060827.D

Acq: 26 Nov 2018 17:33

Tgt Ion:164 Resp: 25571

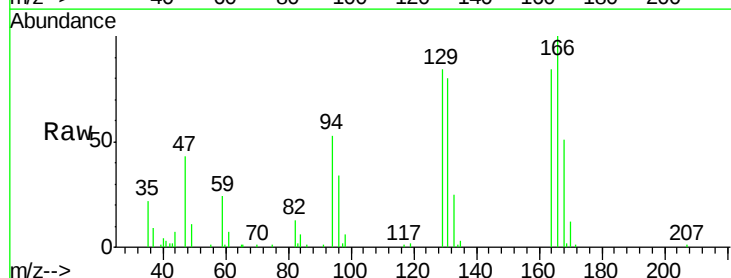
Ion Ratio Lower Upper

164 100

166 119.6 100.3 150.5

129 100.0 77.9 116.9

131 95.5 77.5 116.3

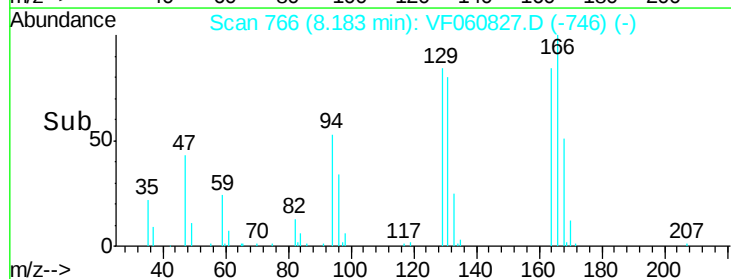
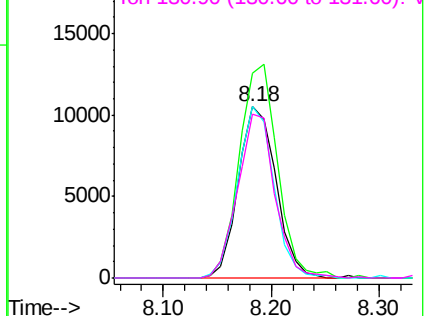


Abundance Ion 163.85 (163.55 to 164.55): V

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

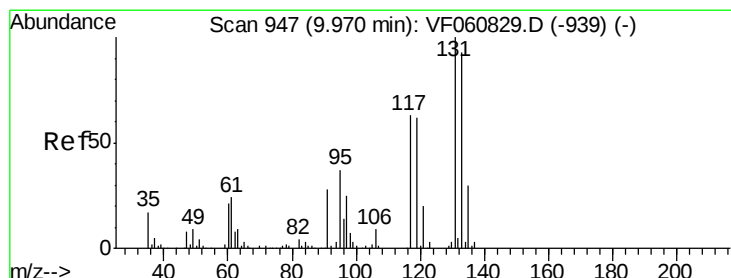
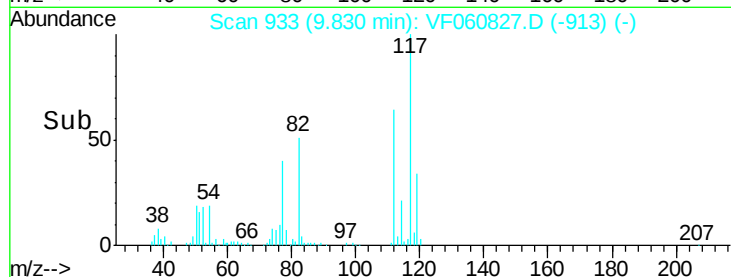
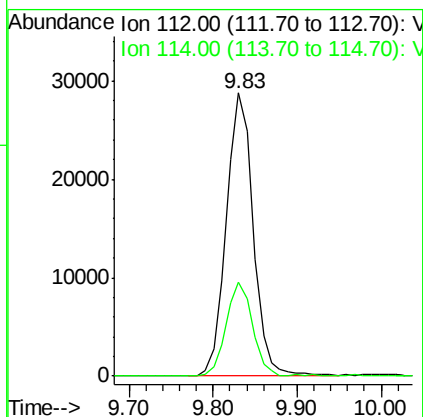
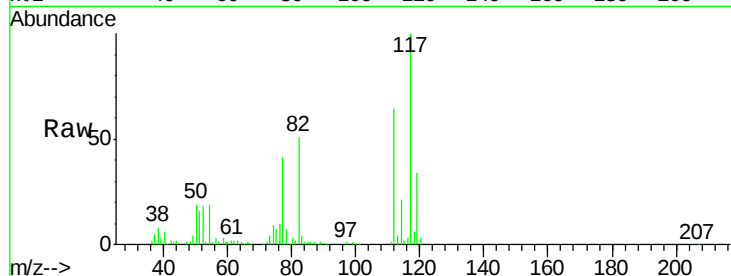




#65
Chlorobenzene
Concen: 10.191 ug/l
RT: 9.83 min Scan# 933
Delta R.T. -0.00 min
Lab File: VF060827.D
Acq: 26 Nov 2018 17:33

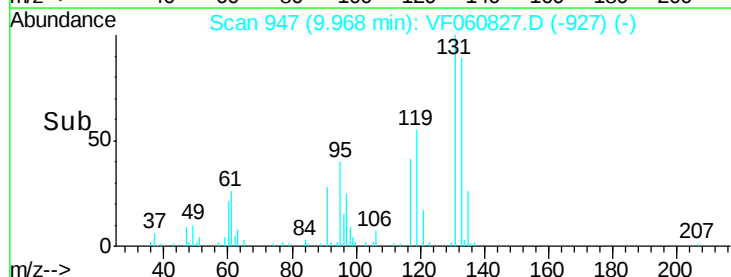
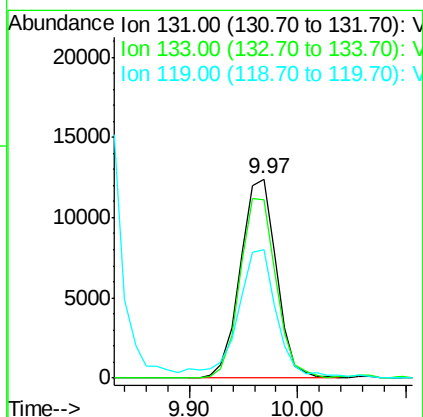
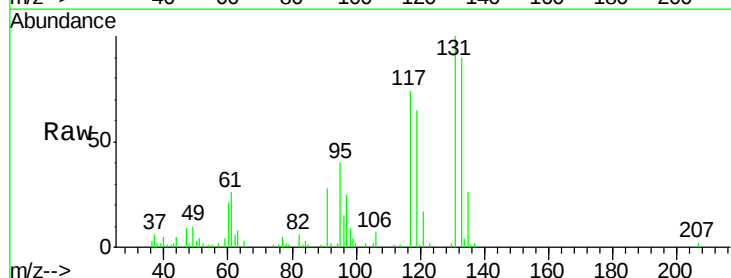
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tgt Ion:112 Resp: 64257
Ion Ratio Lower Upper
112 100
114 33.1 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 10.699 ug/l
RT: 9.97 min Scan# 947
Delta R.T. -0.00 min
Lab File: VF060827.D
Acq: 26 Nov 2018 17:33

Tgt Ion:131 Resp: 28886
Ion Ratio Lower Upper
131 100
133 89.7 46.5 139.3
119 64.5 31.1 93.3

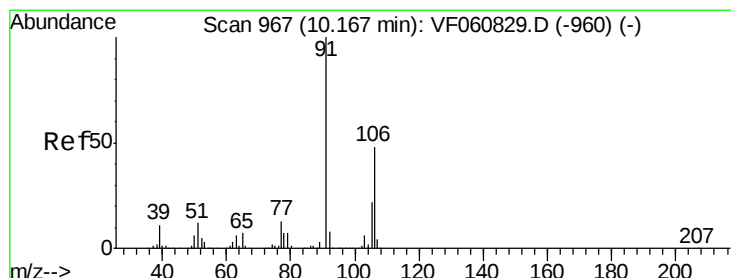
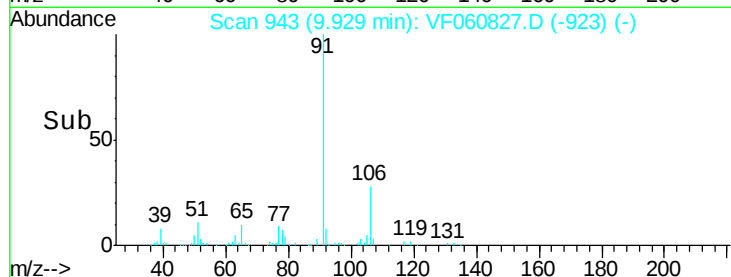
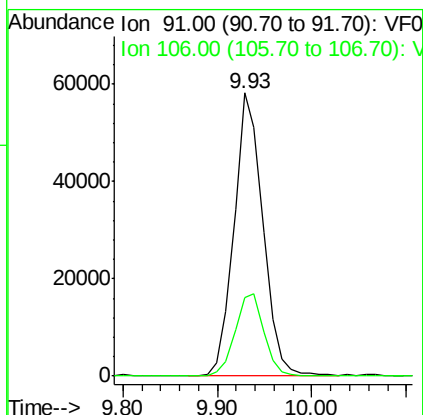
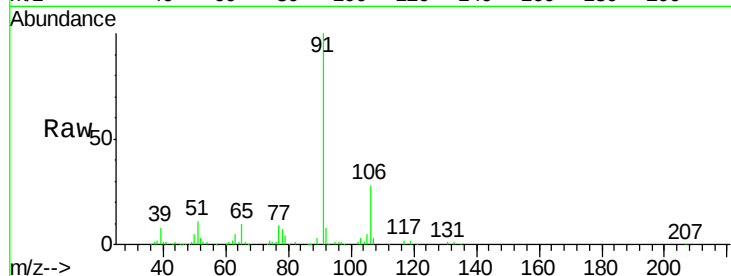




#67
Ethyl Benzene
Concen: 10.440 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.00 min
Lab File: VF060827.D
Acq: 26 Nov 2018 17:33

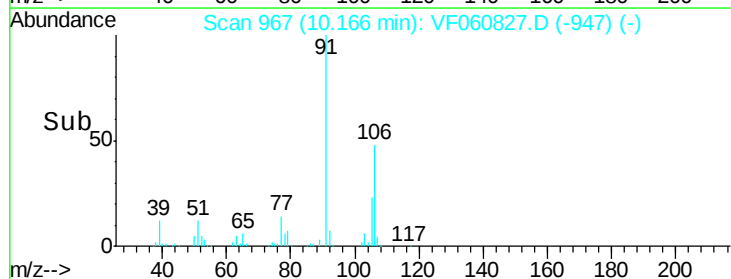
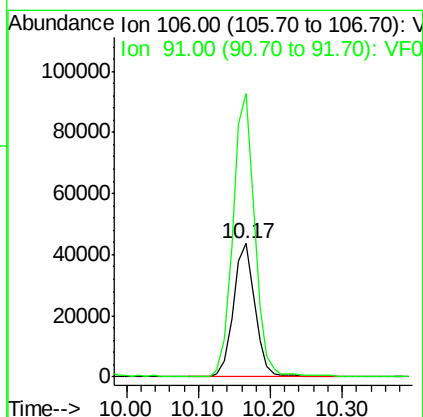
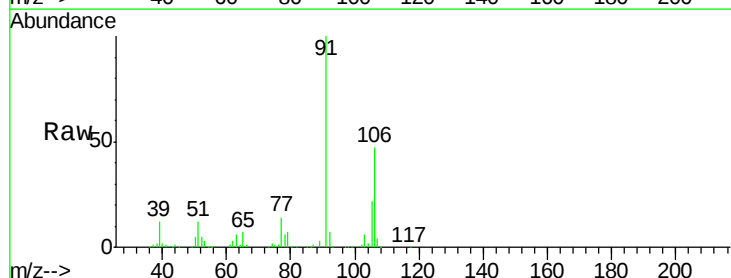
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

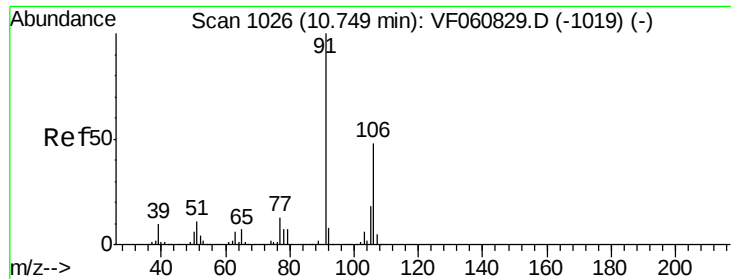
Tgt Ion: 91 Resp: 123281
Ion Ratio Lower Upper
91 100
106 27.9 22.2 33.2



#68
m/p-Xylenes
Concen: 21.862 ug/l
RT: 10.17 min Scan# 967
Delta R.T. -0.00 min
Lab File: VF060827.D
Acq: 26 Nov 2018 17:33

Tgt Ion: 106 Resp: 91935
Ion Ratio Lower Upper
106 100
91 212.4 166.7 250.1

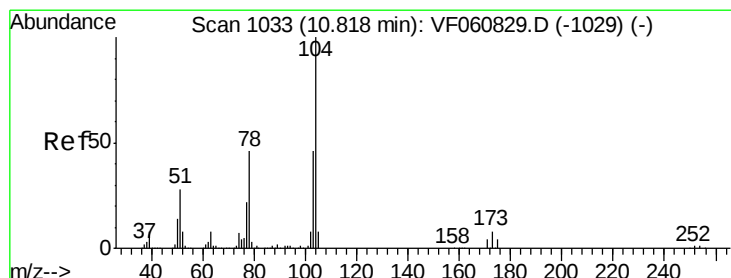
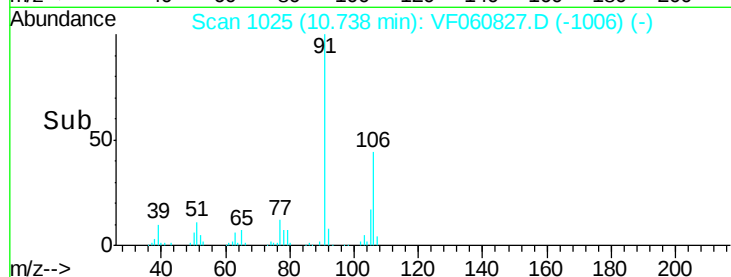
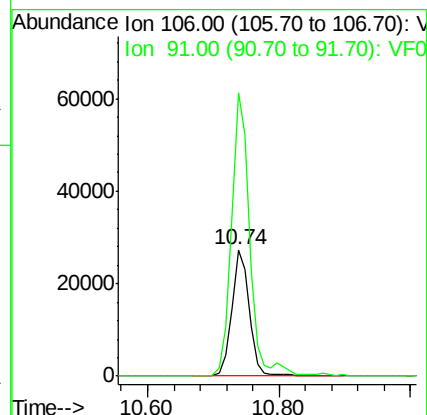
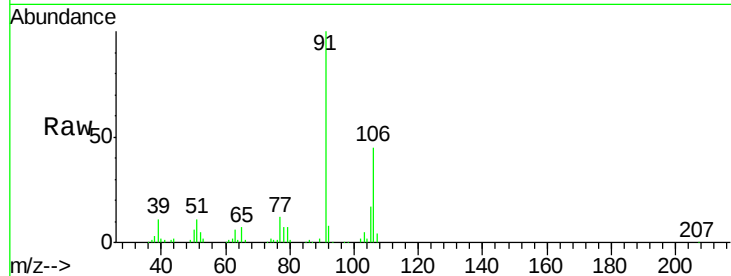




#69
o-Xylene
Concen: 10.885 ug/l
RT: 10.74 min Scan# 1025
Delta R.T. -0.01 min
Lab File: VF060827.D
Acq: 26 Nov 2018 17:33

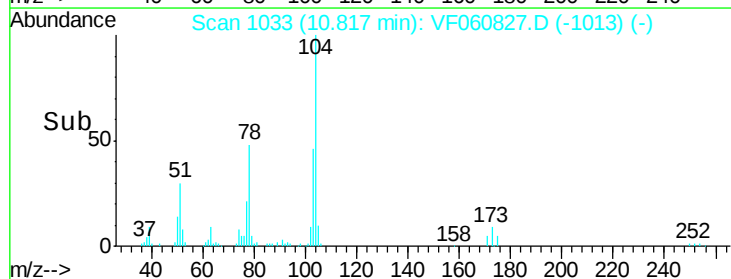
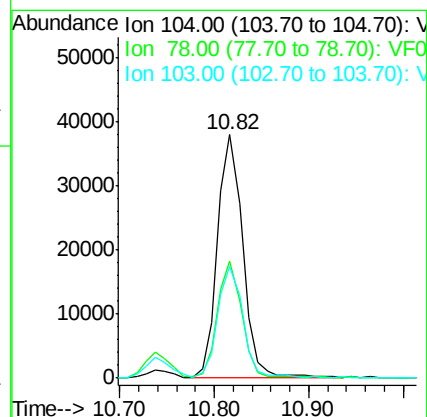
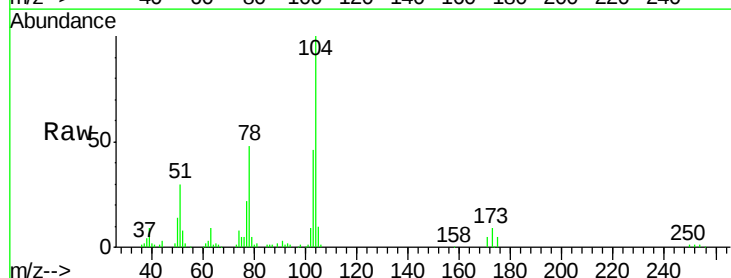
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

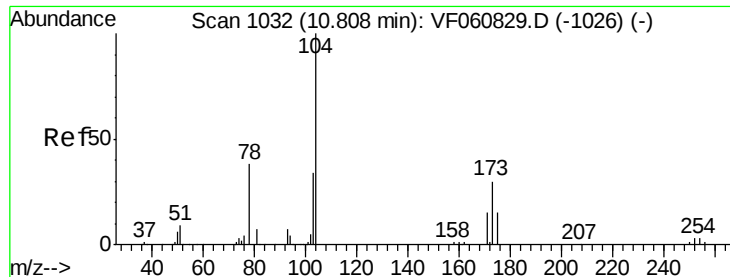
Tgt Ion:106 Resp: 51267
Ion Ratio Lower Upper
106 100
91 224.5 104.8 314.6



#70
Styrene
Concen: 11.049 ug/l
RT: 10.82 min Scan# 1033
Delta R.T. -0.00 min
Lab File: VF060827.D
Acq: 26 Nov 2018 17:33

Tgt Ion:104 Resp: 71055
Ion Ratio Lower Upper
104 100
78 47.8 37.3 55.9
103 46.2 36.8 55.2





#71

Bromoform

Concen: 11.277 ug/l

RT: 10.81 min Scan# 1032

Delta R.T. -0.00 min

Lab File: VF060827.D

Acq: 26 Nov 2018 17:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

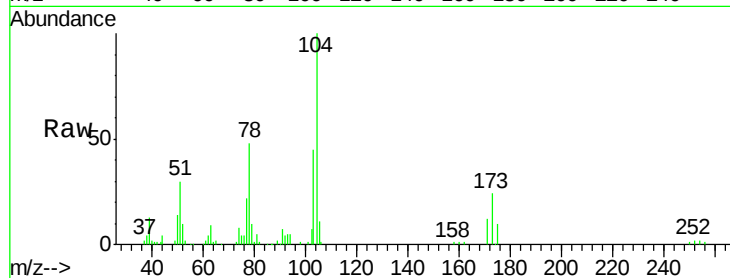
Tgt Ion:173 Resp: 13834

Ion Ratio Lower Upper

173 100

175 39.7 25.5 76.5

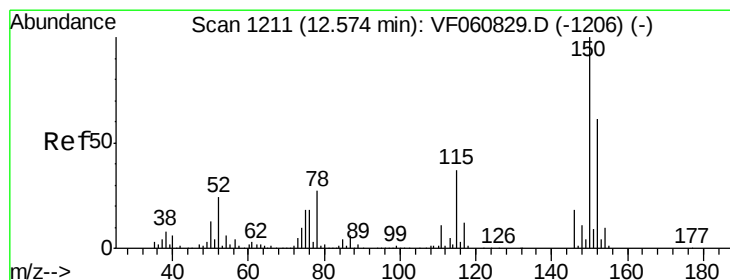
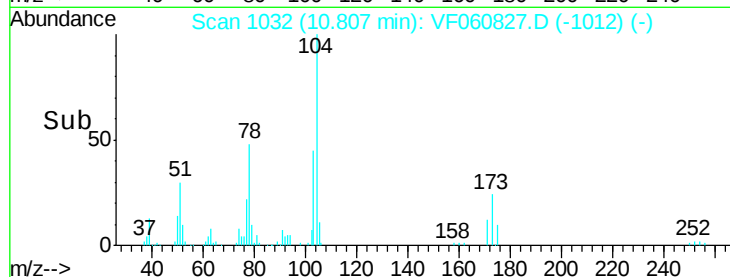
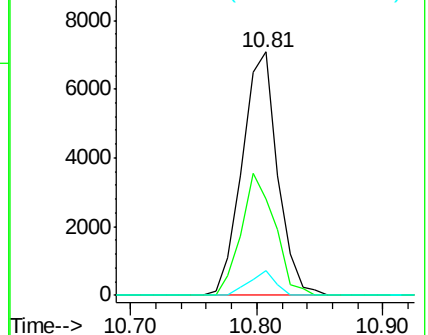
254 10.0 7.5 11.3



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: VF060827.D

Acq: 26 Nov 2018 17:33

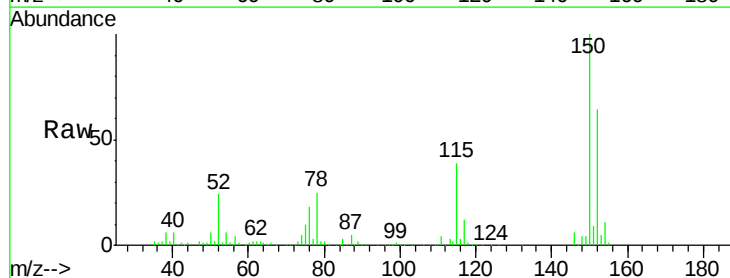
Tgt Ion:152 Resp: 180317

Ion Ratio Lower Upper

152 100

115 60.3 30.1 90.5

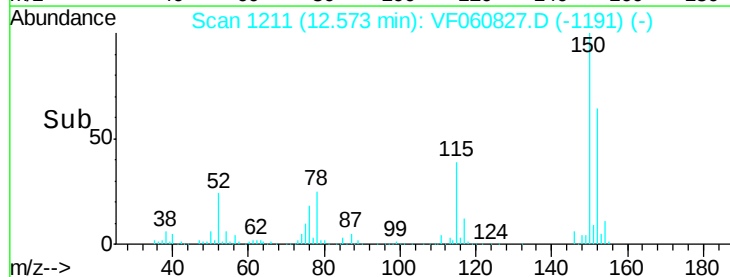
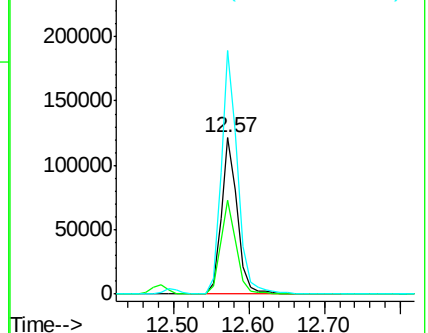
150 156.0 0.0 327.6

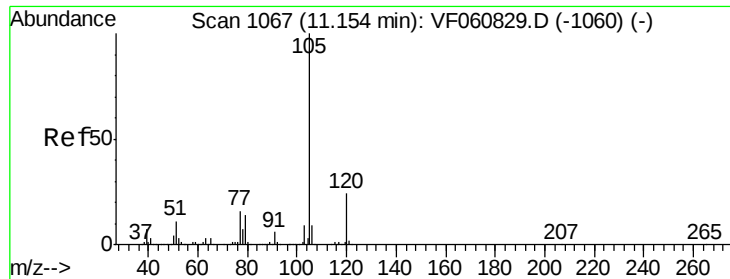


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 10.320 ug/l

RT: 11.15 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VF060827.D

Acq: 26 Nov 2018 17:33

Instrument :

MSVOA_F

ClientSampleId :

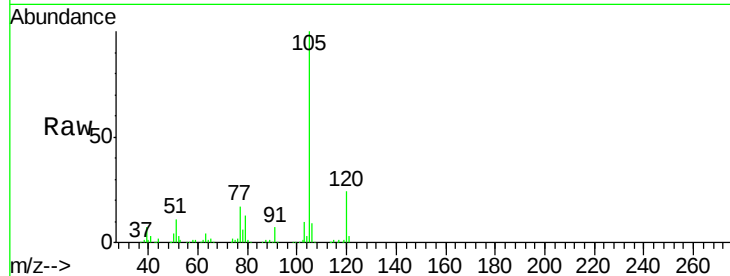
VSTDIC010

Tgt Ion: 105 Resp: 149117

Ion Ratio Lower Upper

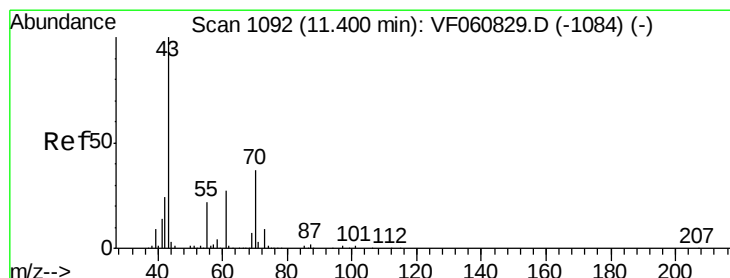
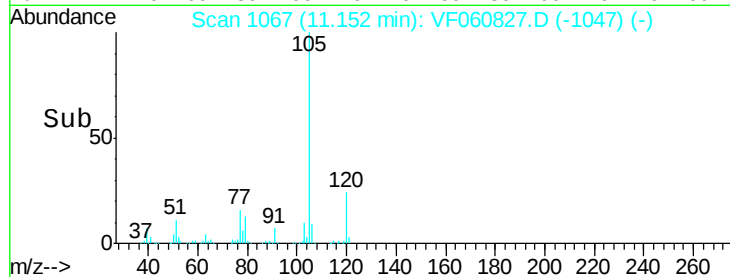
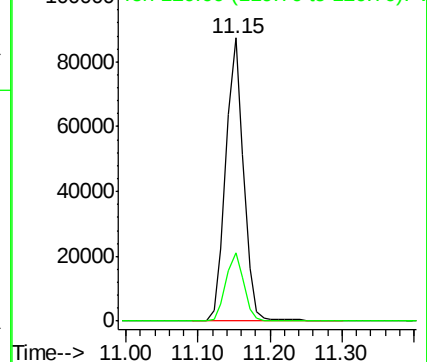
105 100

120 24.0 12.2 36.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 10.194 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VF060827.D

Acq: 26 Nov 2018 17:33

Tgt Ion: 43 Resp: 33991

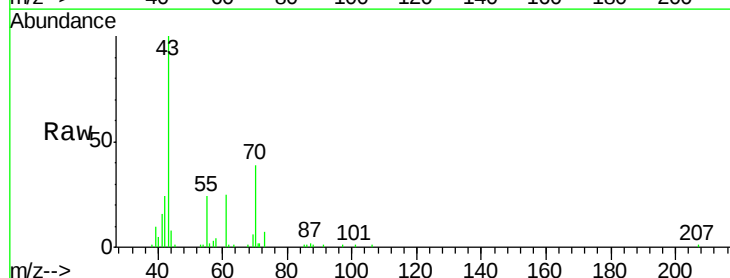
Ion Ratio Lower Upper

43 100

70 39.5 29.6 44.4

55 24.4 17.2 25.8

61 25.0 21.8 32.6

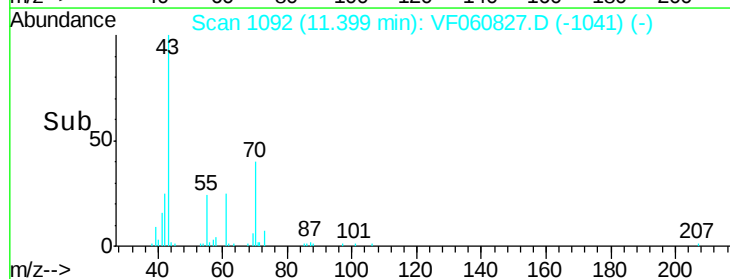
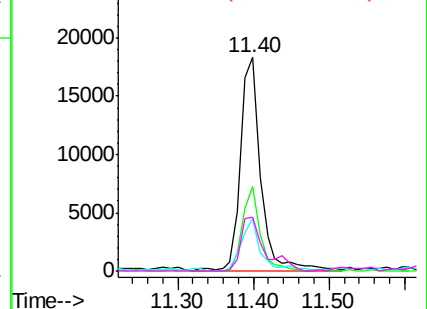


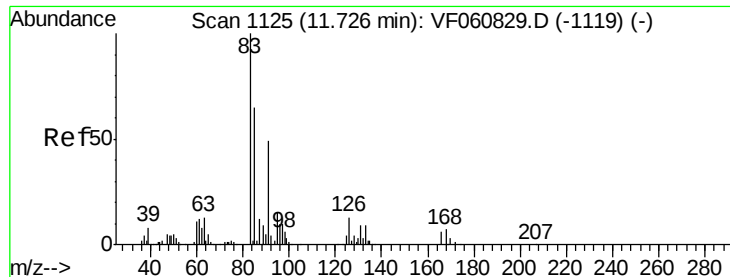
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 10.754 ug/l

RT: 11.71 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VF060827.D

Acq: 26 Nov 2018 17:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

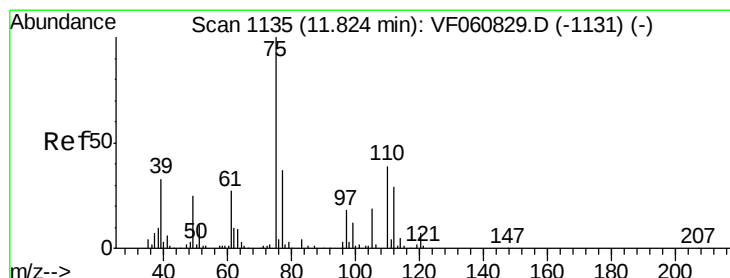
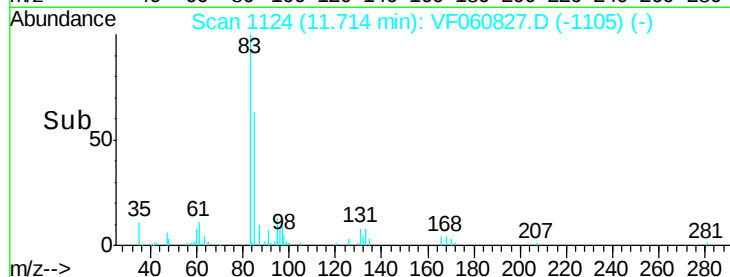
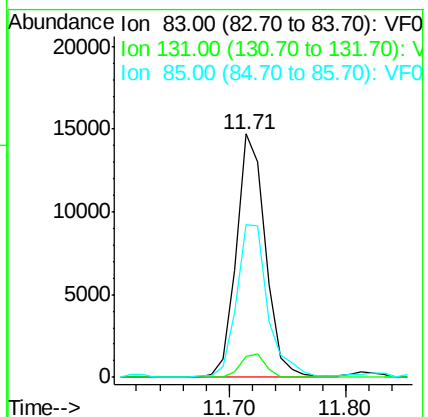
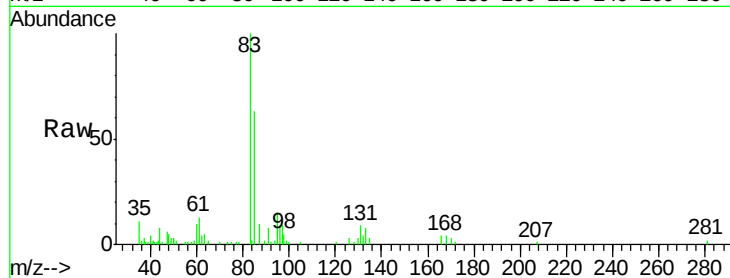
Tgt Ion: 83 Resp: 25605

Ion Ratio Lower Upper

83 100

131 8.8 4.7 14.1

85 62.5 32.6 97.8



#76

1,2,3-Trichloropropane

Concen: 9.760 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VF060827.D

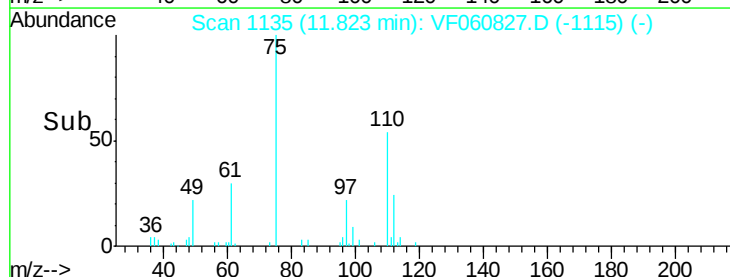
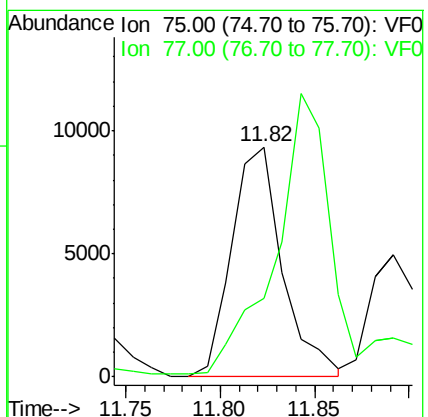
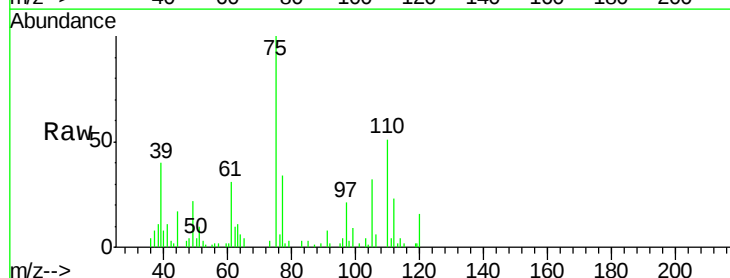
Acq: 26 Nov 2018 17:33

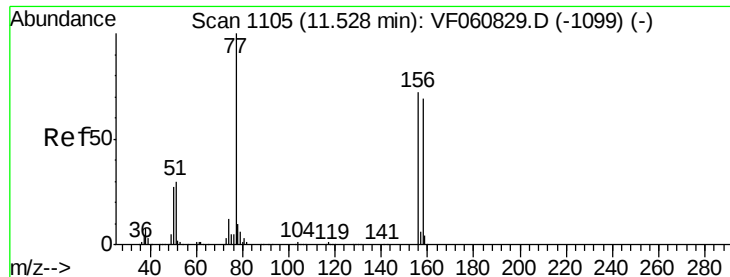
Tgt Ion: 75 Resp: 17463

Ion Ratio Lower Upper

75 100

77 34.3 18.4 55.4





#77

Bromobenzene

Concen: 10.520 ug/l

RT: 11.52 min Scan# 1104

Delta R.T. -0.01 min

Lab File: VF060827.D

Acq: 26 Nov 2018 17:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

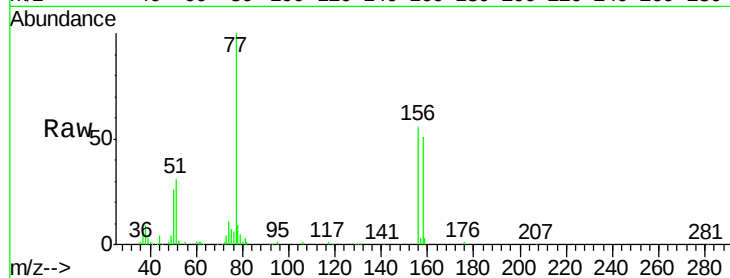
Tgt Ion:156 Resp: 32214

Ion Ratio Lower Upper

156 100

77 177.3 69.7 209.0

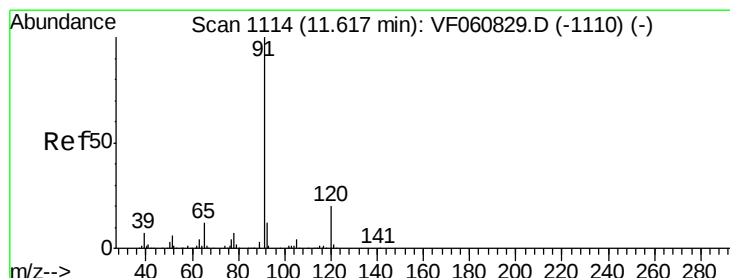
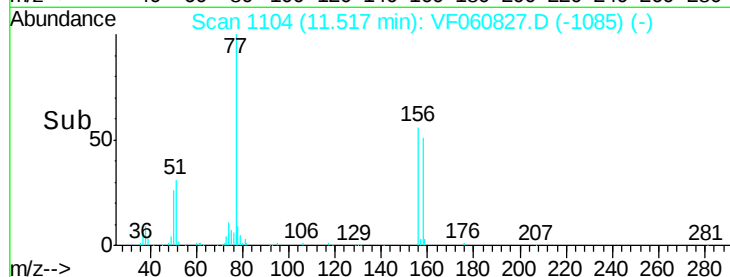
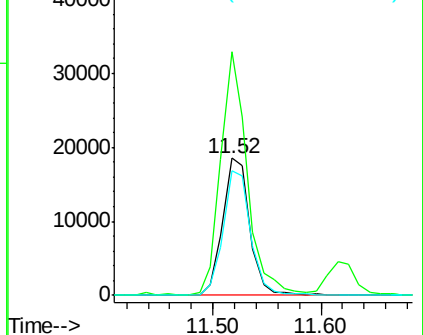
158 91.1 47.8 143.4



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 10.594 ug/l

RT: 11.62 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VF060827.D

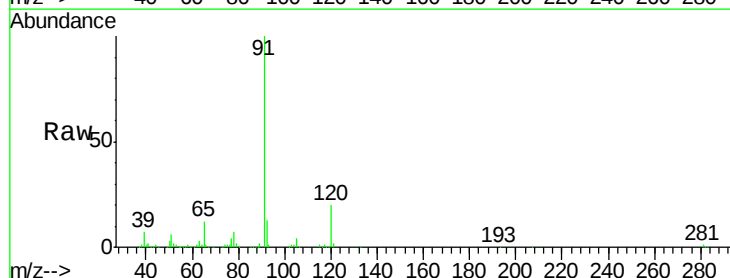
Acq: 26 Nov 2018 17:33

Tgt Ion: 91 Resp: 180872

Ion Ratio Lower Upper

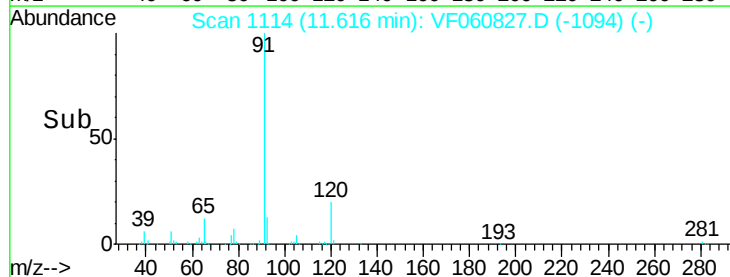
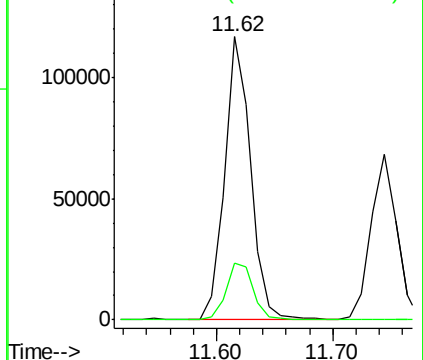
91 100

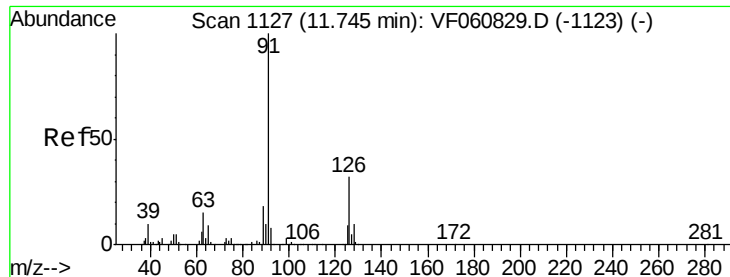
120 20.0 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

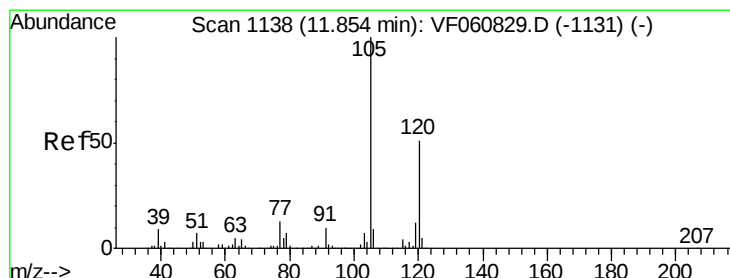
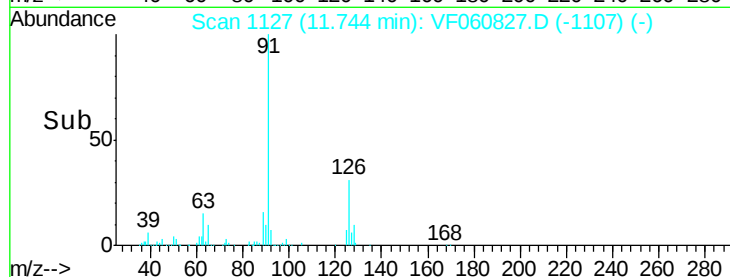
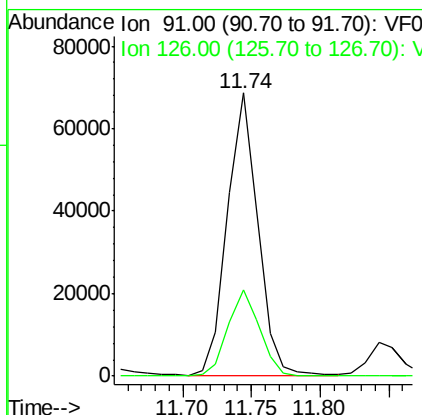
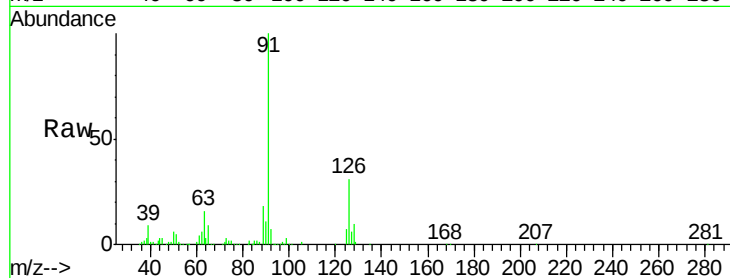




#79
2-Chlorotoluene
Concen: 10.746 ug/l
RT: 11.74 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VF060827.D
Acq: 26 Nov 2018 17:33

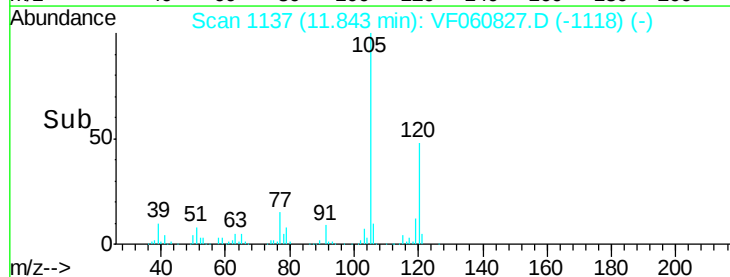
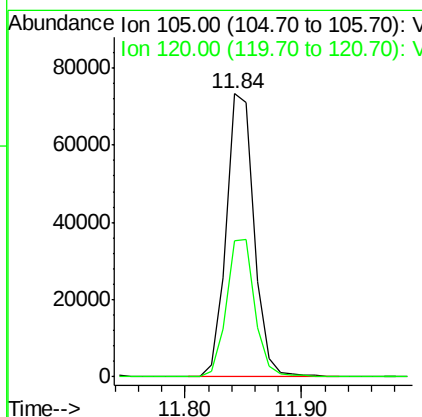
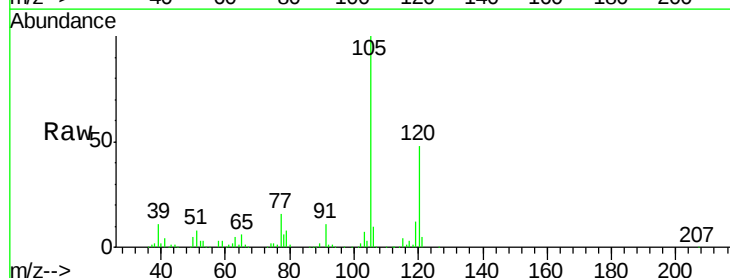
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

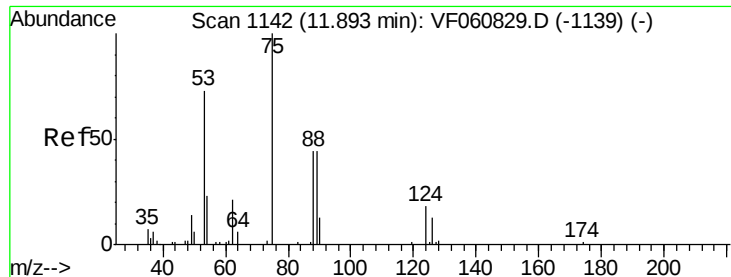
Tgt Ion: 91 Resp: 105440
Ion Ratio Lower Upper
91 100
126 30.7 15.9 47.6



#80
1,3,5-Trimethylbenzene
Concen: 10.566 ug/l
RT: 11.84 min Scan# 1137
Delta R.T. -0.01 min
Lab File: VF060827.D
Acq: 26 Nov 2018 17:33

Tgt Ion: 105 Resp: 121754
Ion Ratio Lower Upper
105 100
120 48.2 25.8 77.3





#81

trans-1,4-Dichloro-2-butene

Concen: 13.790 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF060827.D

Acq: 26 Nov 2018 17:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

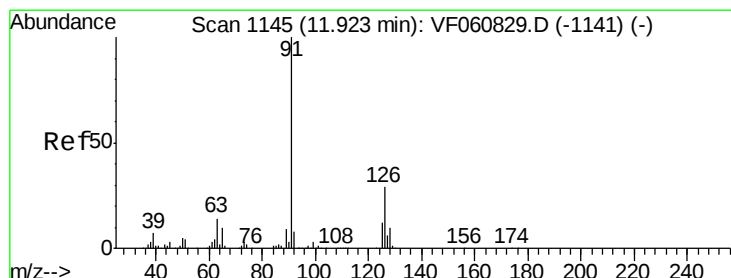
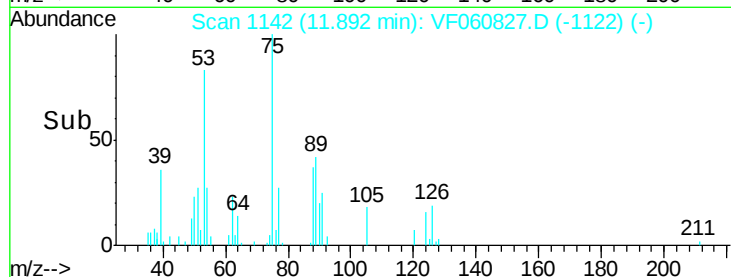
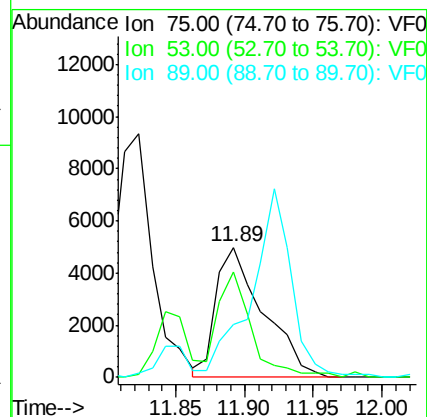
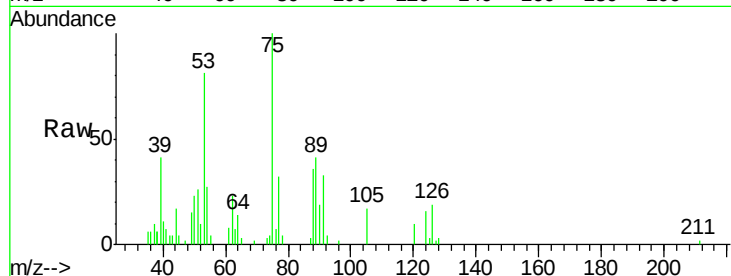
Tgt Ion: 75 Resp: 11964

Ion Ratio Lower Upper

75 100

53 81.5 65.9 98.9

89 41.0 38.8 58.2



#82

4-Chlorotoluene

Concen: 10.467 ug/l

RT: 11.92 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VF060827.D

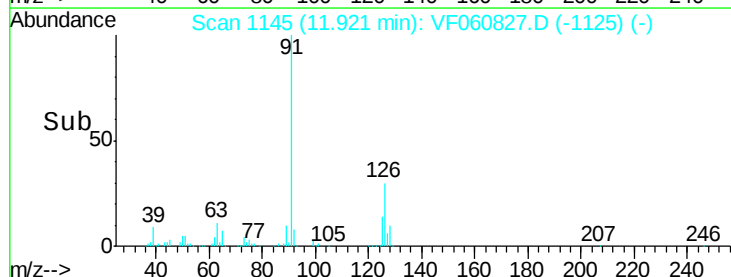
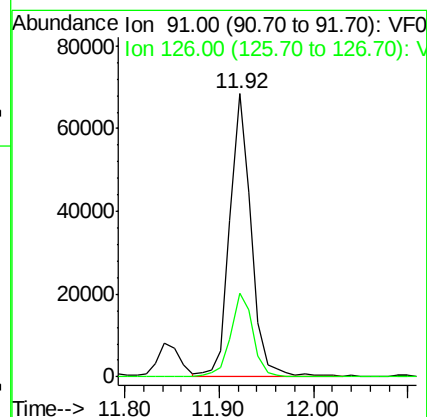
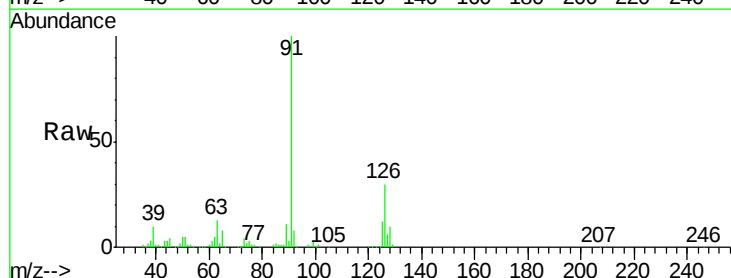
Acq: 26 Nov 2018 17:33

Tgt Ion: 91 Resp: 105535

Ion Ratio Lower Upper

91 100

126 29.7 14.8 44.4

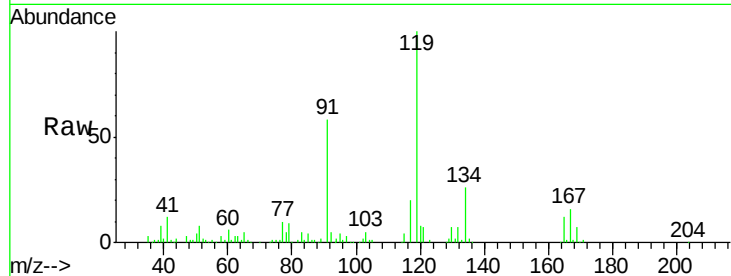




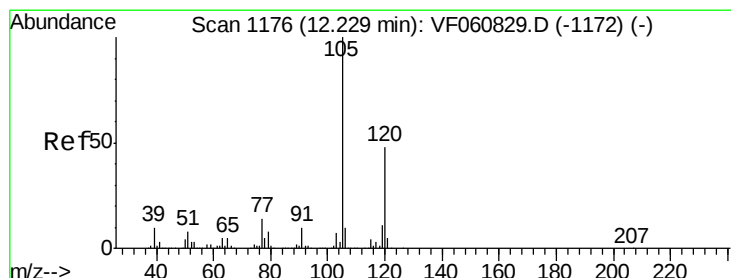
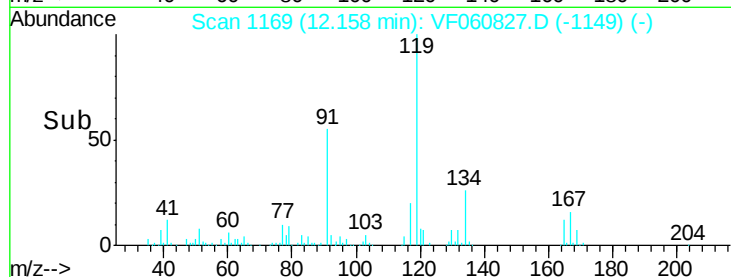
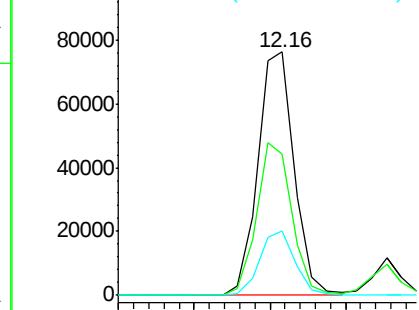
#83
 tert-Butylbenzene
 Concen: 10.617 ug/l
 RT: 12.16 min Scan# 1169
 Delta R.T. -0.00 min
 Lab File: VF060827.D
 Acq: 26 Nov 2018 17:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tgt Ion:119 Resp: 127969
 Ion Ratio Lower Upper
 119 100
 91 57.8 30.1 90.3
 134 26.4 12.6 37.8

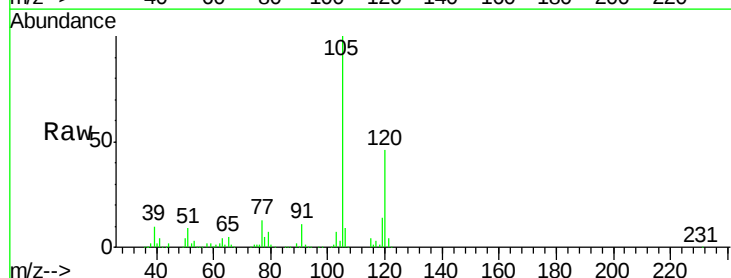


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

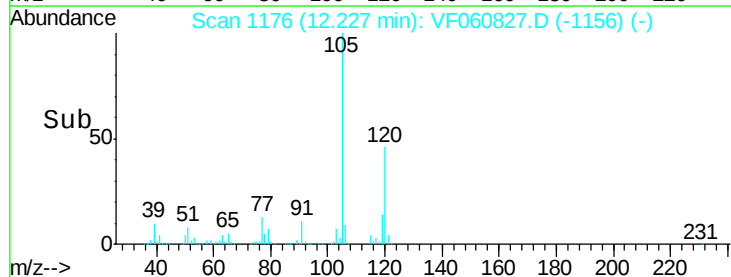
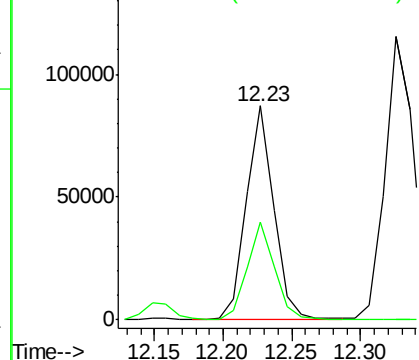


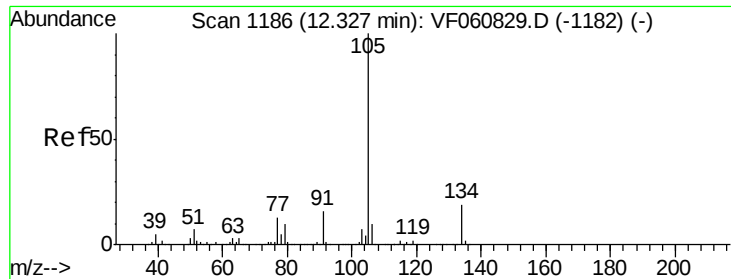
#84
 1,2,4-Trimethylbenzene
 Concen: 10.292 ug/l
 RT: 12.23 min Scan# 1176
 Delta R.T. -0.00 min
 Lab File: VF060827.D
 Acq: 26 Nov 2018 17:33

Tgt Ion:105 Resp: 122890
 Ion Ratio Lower Upper
 105 100
 120 45.7 23.8 71.5



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

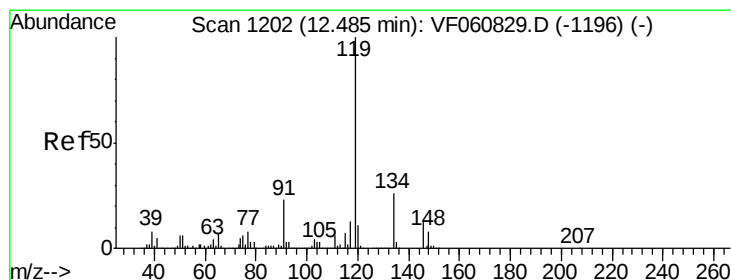
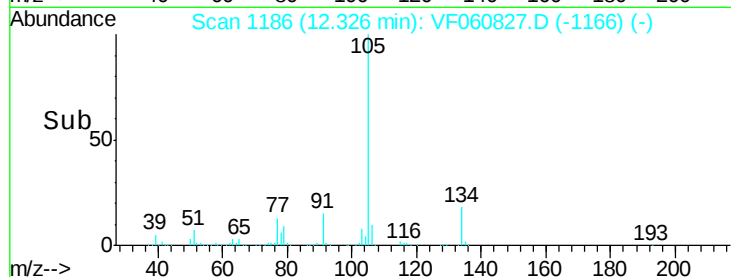
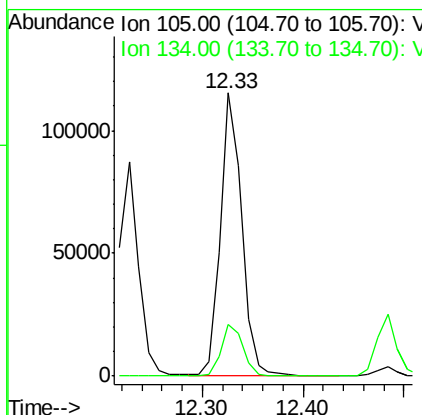
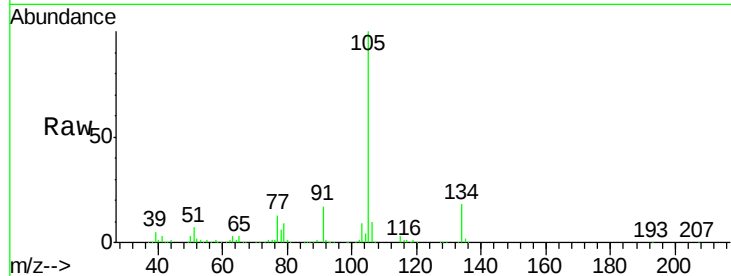




#85
 sec-Butylbenzene
 Concen: 10.355 ug/l
 RT: 12.33 min Scan# 1186
 Delta R.T. -0.00 min
 Lab File: VF060827.D
 Acq: 26 Nov 2018 17:33

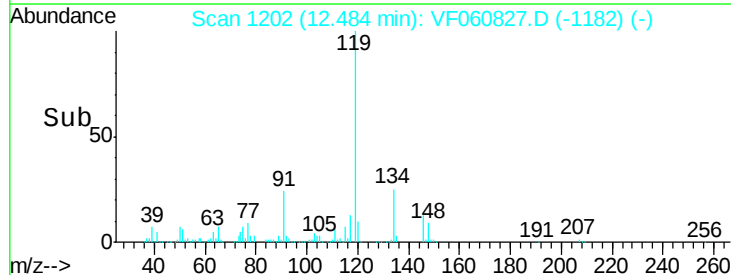
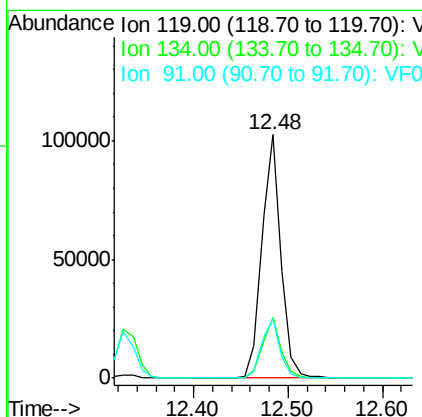
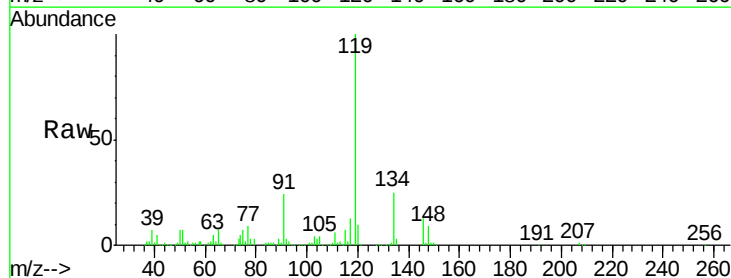
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

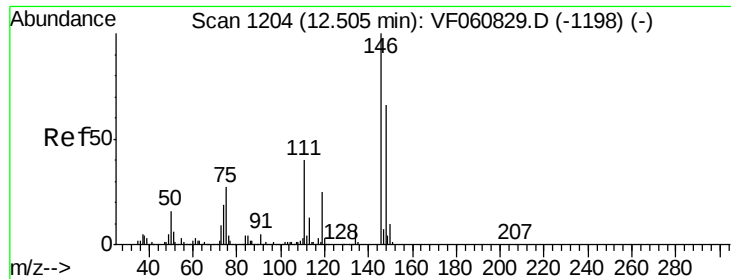
Tgt Ion:105 Resp: 170700
 Ion Ratio Lower Upper
 105 100
 134 18.1 9.5 28.5



#86
 p-Isopropyltoluene
 Concen: 10.519 ug/l
 RT: 12.48 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VF060827.D
 Acq: 26 Nov 2018 17:33

Tgt Ion:119 Resp: 143952
 Ion Ratio Lower Upper
 119 100
 134 24.7 12.9 38.6
 91 24.3 11.8 35.3





#87

1,3-Dichlorobenzene

Concen: 10.736 ug/l

RT: 12.49 min Scan# 1203

Delta R.T. -0.01 min

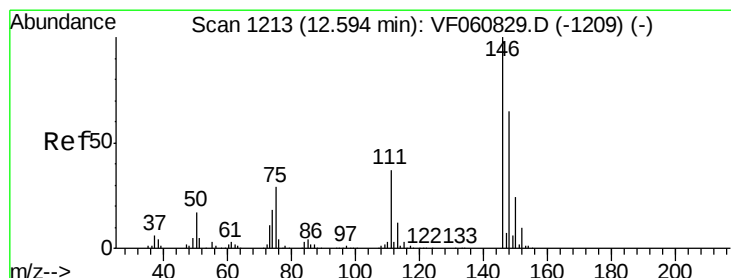
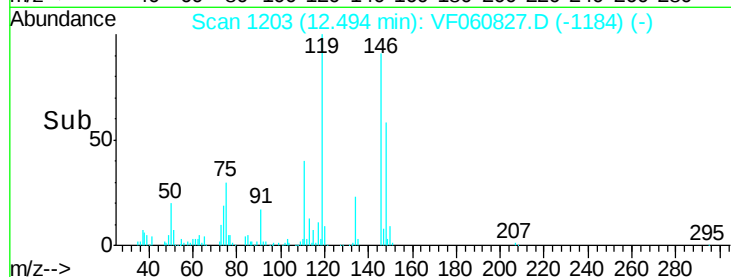
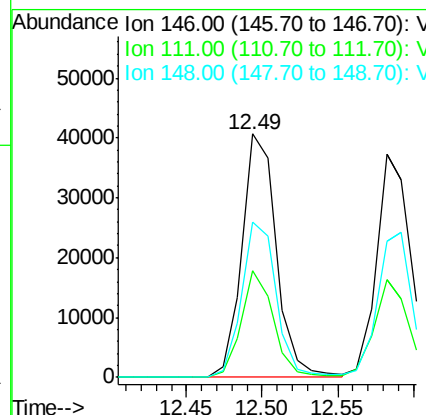
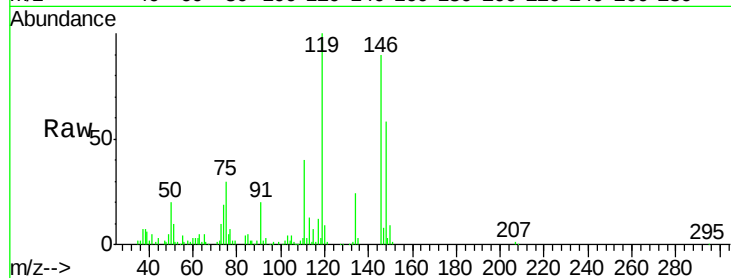
Lab File: VF060827.D

Acq: 26 Nov 2018 17:33

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tgt Ion:146 Resp: 64509

Ion	Ratio	Lower	Upper
146	100		
111	43.9	20.0	59.9
148	63.6	32.9	98.6



#88

1,4-Dichlorobenzene

Concen: 10.598 ug/l

RT: 12.58 min Scan# 1212

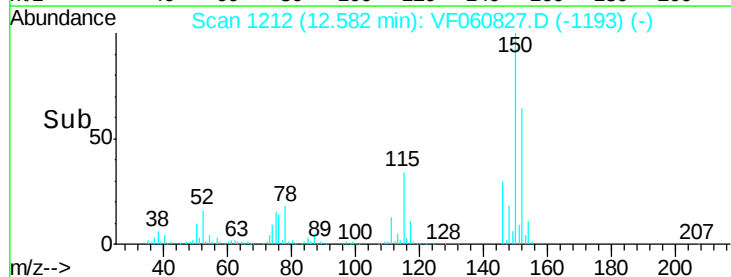
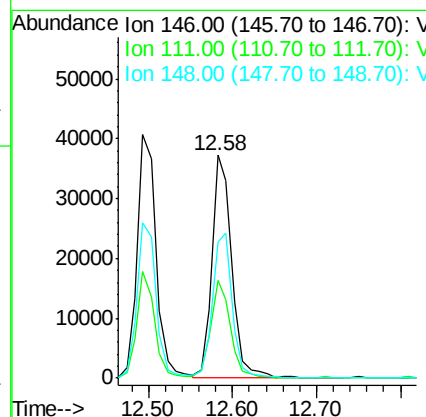
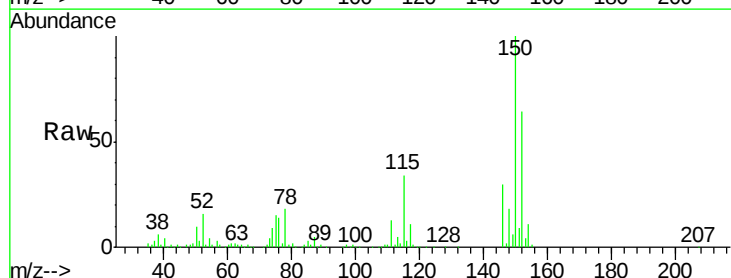
Delta R.T. -0.01 min

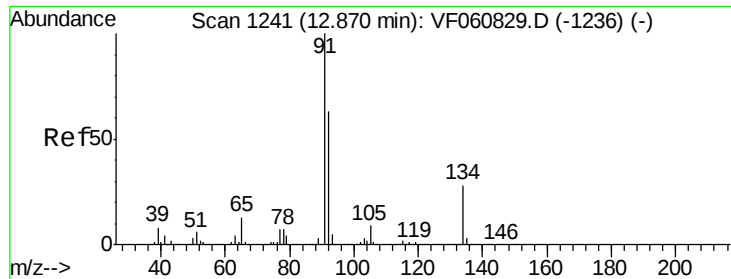
Lab File: VF060827.D

Acq: 26 Nov 2018 17:33

Tgt Ion:146 Resp: 61009

Ion	Ratio	Lower	Upper
146	100		
111	43.8	18.9	56.7
148	61.0	32.3	96.9

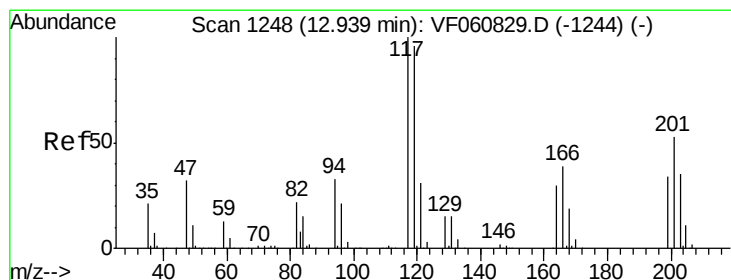
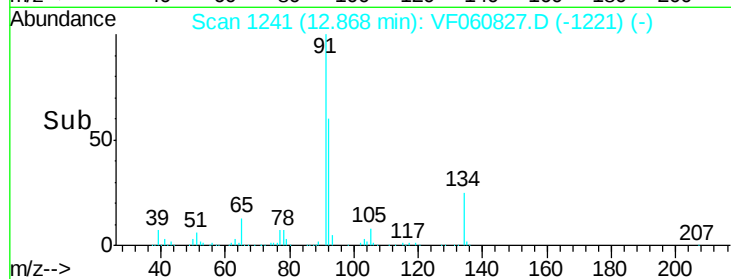
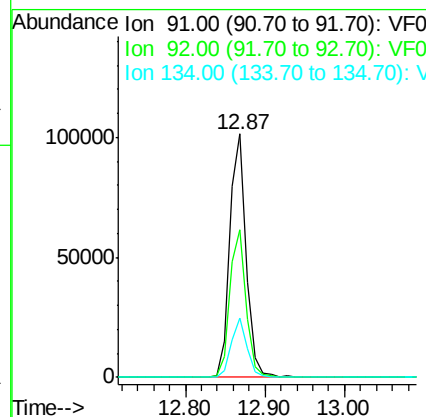
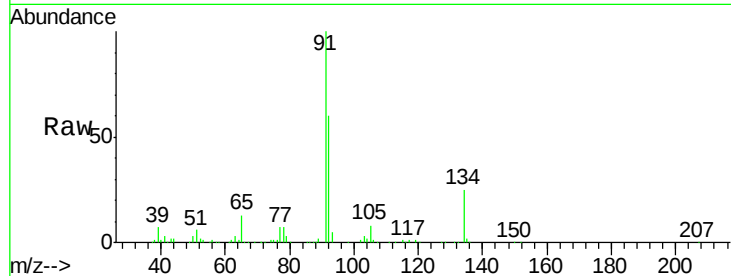




#89
n-Butylbenzene
Concen: 10.452 ug/l
RT: 12.87 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VF060827.D
Acq: 26 Nov 2018 17:33

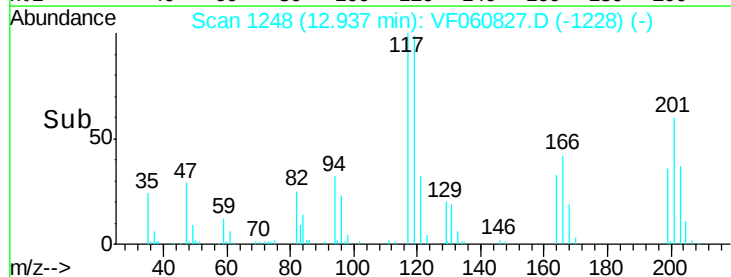
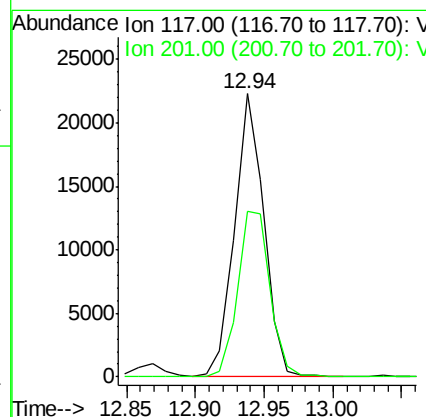
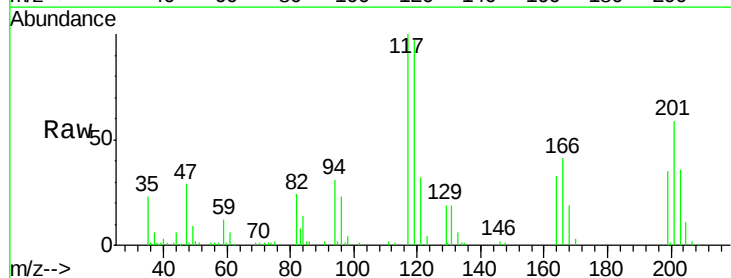
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

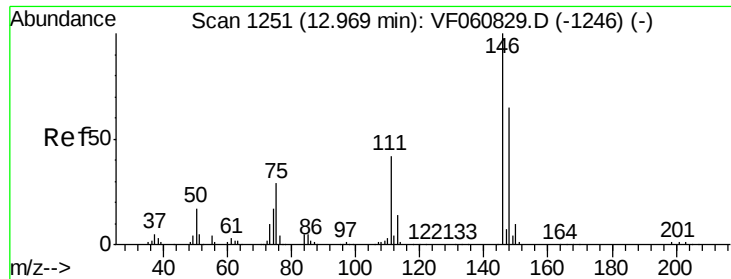
Tgt Ion: 91 Resp: 148258
Ion Ratio Lower Upper
91 100
92 60.4 31.6 94.7
134 24.6 13.8 41.4



#90
Hexachloroethane
Concen: 9.904 ug/l
RT: 12.94 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VF060827.D
Acq: 26 Nov 2018 17:33

Tgt Ion: 117 Resp: 33205
Ion Ratio Lower Upper
117 100
201 58.5 26.7 80.1





#91

1,2-Dichlorobenzene

Concen: 10.351 ug/l

RT: 12.97 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VF060827.D

Acq: 26 Nov 2018 17:33

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

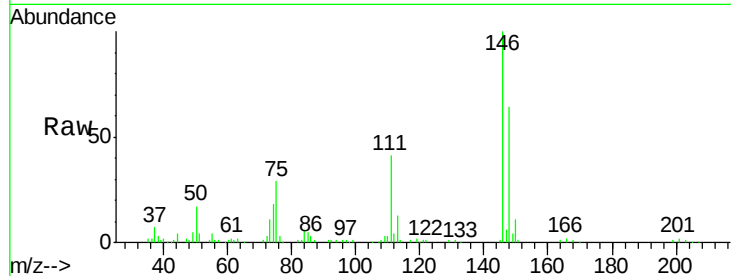
Tgt Ion:146 Resp: 58964

Ion Ratio Lower Upper

146 100

111 41.4 21.2 63.6

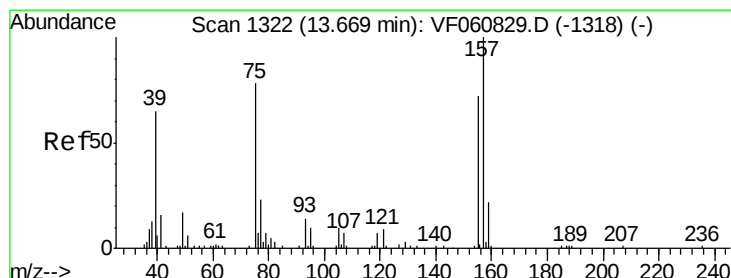
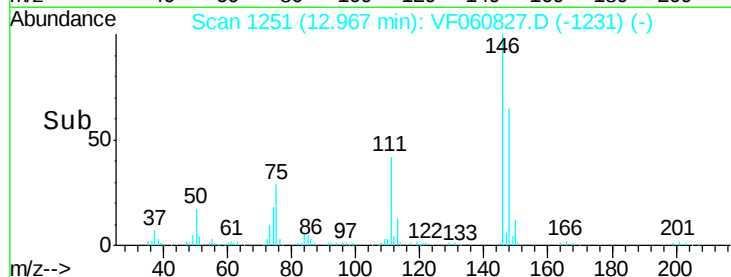
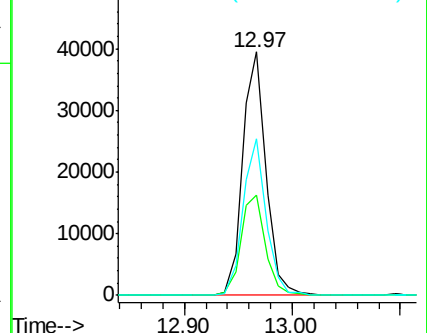
148 64.5 32.5 97.5



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: 9.721 ug/l

RT: 13.67 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VF060827.D

Acq: 26 Nov 2018 17:33

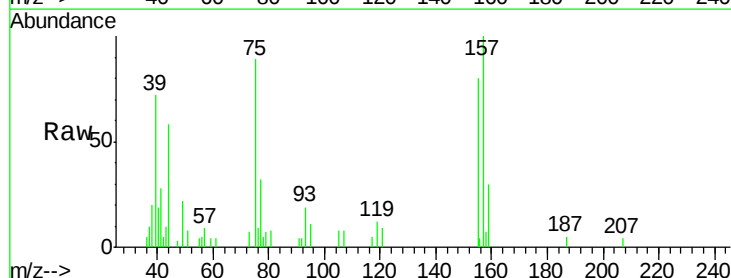
Tgt Ion: 75 Resp: 4347

Ion Ratio Lower Upper

75 100

155 90.2 45.6 136.9

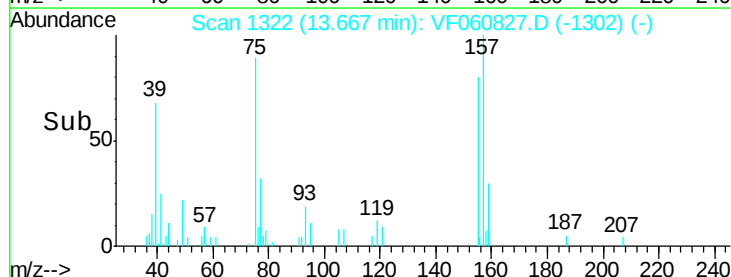
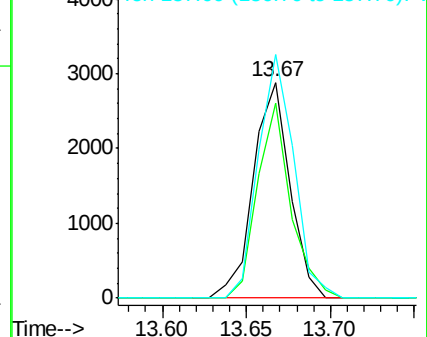
157 113.0 63.8 191.5



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

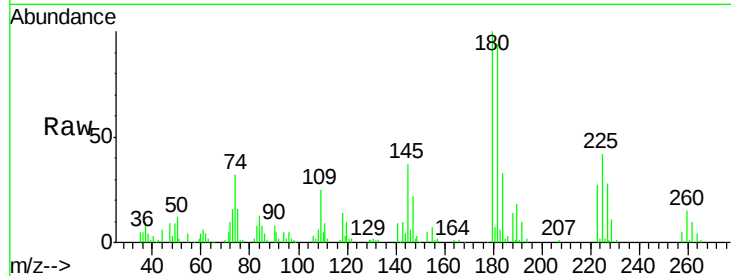




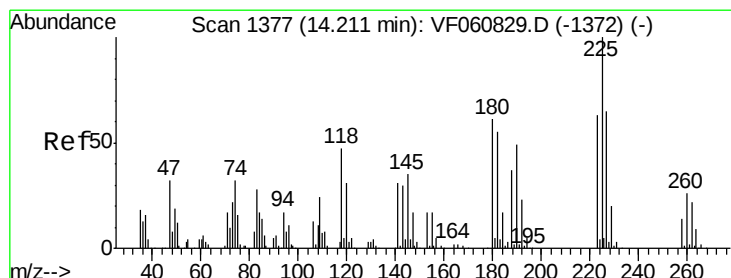
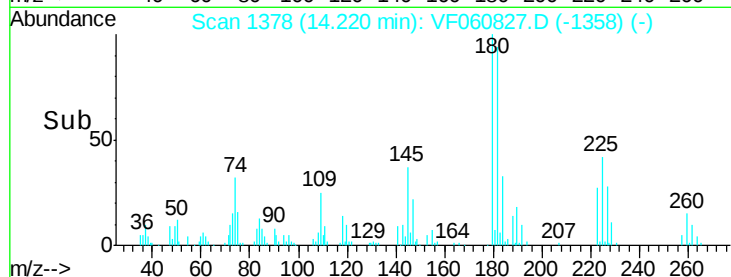
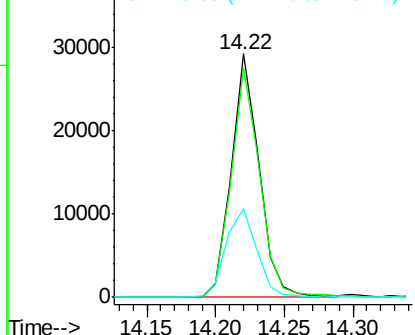
#93
 1,2,4-Trichlorobenzene
 Concen: 10.273 ug/l
 RT: 14.22 min Scan# 1378
 Delta R.T. -0.00 min
 Lab File: VF060827.D
 Acq: 26 Nov 2018 17:33

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tgt Ion:180 Resp: 41424
 Ion Ratio Lower Upper
 180 100
 182 94.4 48.5 145.5
 145 36.6 18.1 54.3

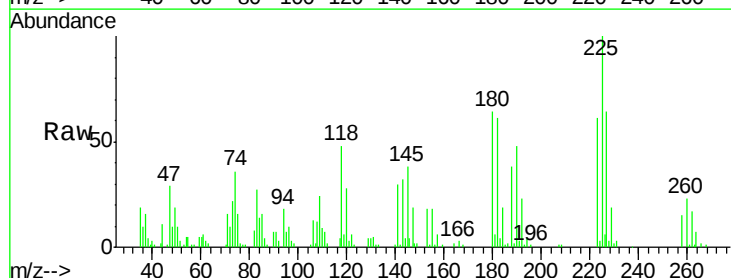


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

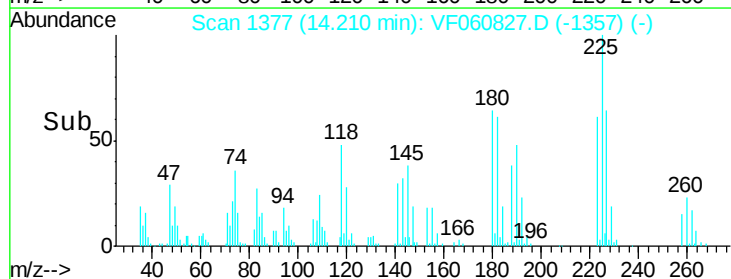
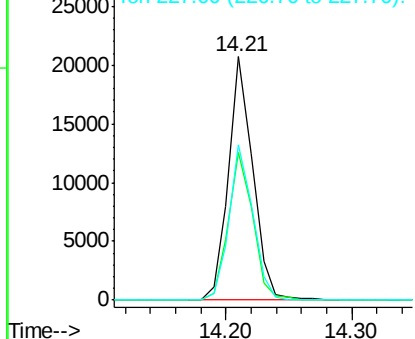


#94
 Hexachlorobutadiene
 Concen: 10.517 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VF060827.D
 Acq: 26 Nov 2018 17:33

Tgt Ion:225 Resp: 27513
 Ion Ratio Lower Upper
 225 100
 223 60.7 31.4 94.3
 227 63.9 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

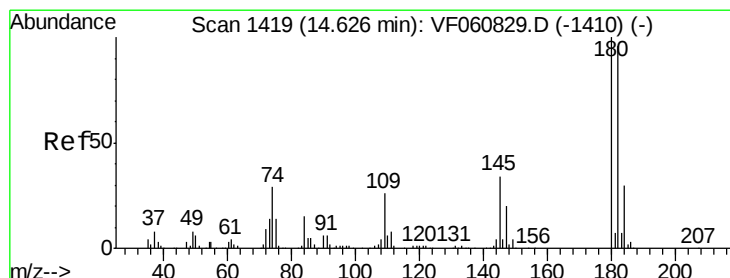
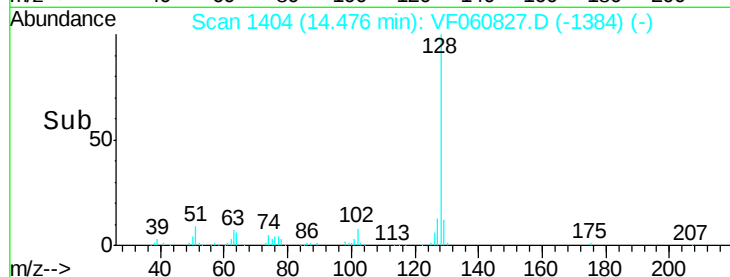
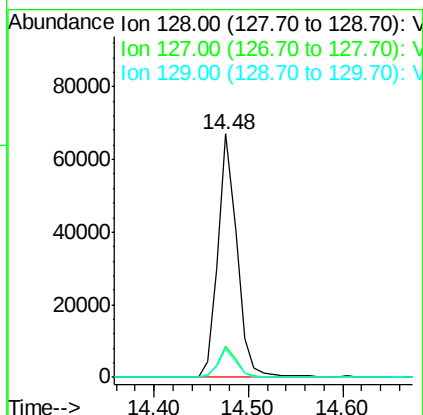
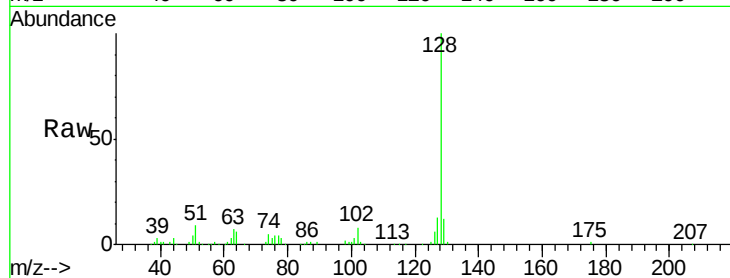




#95
Naphthalene
Concen: 12.817 ug/l
RT: 14.48 min Scan# 1404
Delta R.T. -0.00 min
Lab File: VF060827.D
Acq: 26 Nov 2018 17:33

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tgt Ion:128 Resp: 94535
Ion Ratio Lower Upper
128 100
127 12.6 9.9 14.9
129 11.9 9.1 13.7



#96
1,2,3-Trichlorobenzene
Concen: 9.989 ug/l
RT: 14.62 min Scan# 1419
Delta R.T. -0.00 min
Lab File: VF060827.D
Acq: 26 Nov 2018 17:33

Tgt Ion:180 Resp: 36901
Ion Ratio Lower Upper
180 100
182 103.0 47.9 143.8
145 35.3 17.2 51.5

