

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010819\
 Data File : VF061284.D
 Acq On : 8 Jan 2019 14:05
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Quant Time: Jan 09 06:05:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 15:56:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	231256	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	415781	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	366445	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	184096	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.84	65	12083	4.12	ug/l	-0.01
Spiked Amount			Recovery	=	8.24%	
35) Dibromofluoromethane	4.11	113	16167	5.05	ug/l	0.00
Spiked Amount			Recovery	=	10.10%	
50) Toluene-d8	7.56	98	45108	4.75	ug/l	0.00
Spiked Amount			Recovery	=	9.50%	
62) 4-Bromofluorobenzene	11.41	95	22107	5.26	ug/l	0.00
Spiked Amount			Recovery	=	10.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.97	85	21906	4.933	ug/l	95
3) Chloromethane	1.09	50	19677	5.785	ug/l	93
4) Vinyl Chloride	1.14	62	16237	5.511	ug/l #	87
5) Bromomethane	1.30	94	9615	4.773	ug/l	93
6) Chloroethane	1.38	64	8928	6.686	ug/l #	86
7) Trichlorofluoromethane	1.47	101	27846	5.252	ug/l	88
8) Diethyl Ether	1.64	74	4676	6.182	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.83	101	15305	5.778	ug/l #	81
10) Methyl Iodide	1.85	142	9145	2.137	ug/l	96
11) Tert butyl alcohol	2.57	59	3123	25.212	ug/l #	87
12) 1,1-Dichloroethene	1.75	96	5153	2.314	ug/l	95
13) Acrolein	1.88	56	270	2.329	ug/l	90
14) Allyl chloride	2.10	41	21496	6.983	ug/l #	96
15) Acrylonitrile	2.95	53	10885	32.870	ug/l #	77
16) Acetone	2.24	43	17337	29.490	ug/l #	88
17) Carbon Disulfide	1.76	76	11546	1.703	ug/l #	85
18) Methyl Acetate	2.35	43	6707	5.155	ug/l #	86
19) Methyl tert-butyl Ether	2.43	73	21474	4.626	ug/l	99
20) Methylene Chloride	2.19	84	8572	3.142	ug/l	89
21) trans-1,2-Dichloroethene	2.32	96	12576	5.370	ug/l	97
22) Diisopropyl ether	2.80	45	45857	5.924	ug/l	96
23) Vinyl Acetate	3.19	43	64004	18.055	ug/l	97
24) 1,1-Dichloroethane	2.87	63	26275	5.790	ug/l	99
25) 2-Butanone	4.34	43	29386	26.628	ug/l	94
26) 2,2-Dichloropropane	3.61	77	15948	6.102	ug/l	97
27) cis-1,2-Dichloroethene	3.49	96	19322	5.614	ug/l	79
28) Bromochloromethane	3.73	49	12699	5.911	ug/l	96
29) Tetrahydrofuran	4.08	42	12314	28.699	ug/l	90
30) Chloroform	3.87	83	31982	5.038	ug/l	99
31) Cyclohexane	3.69	56	27942	5.809	ug/l	85
32) 1,1,1-Trichloroethane	4.10	97	23999	5.820	ug/l	95
36) 1,1-Dichloropropene	4.29	75	25106	5.127	ug/l	99
37) Ethyl Acetate	4.12	43	9680	4.951	ug/l #	51
38) Carbon Tetrachloride	3.98	117	18879	4.816	ug/l #	86

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 Data File : VF061284.D
 Acq On : 8 Jan 2019 14:05
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 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Quant Time: Jan 09 06:05:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 15:56:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	30296	5.788	ug/l	91
40) Benzene	4.64	78	60935	5.483	ug/l	98
41) Methacrylonitrile	4.75	41	5846	5.258	ug/l #	77
42) 1,2-Dichloroethane	4.95	62	17436	4.689	ug/l	87
43) Isopropyl Acetate	6.97	43	13171	5.049	ug/l #	84
44) Trichloroethene	5.51	130	17532	5.068	ug/l	96
45) 1,2-Dichloropropane	6.24	63	14166	4.993	ug/l	93
46) Dibromomethane	6.09	93	8246	4.417	ug/l #	81
47) Bromodichloromethane	6.39	83	21533	4.531	ug/l	98
48) Methyl methacrylate	6.72	41	6815	4.034	ug/l #	93
49) 1,4-Dioxane	6.73	88	910	77.745	ug/l #	66
51) 4-Methyl-2-Pentanone	8.26	43	46716	25.783	ug/l	99
52) Toluene	7.63	92	37375	5.150	ug/l	99
53) t-1,3-Dichloropropene	8.28	75	17651	4.556	ug/l	98
54) cis-1,3-Dichloropropene	7.31	75	22444	4.558	ug/l	93
55) 1,1,2-Trichloroethane	8.49	97	10503	5.033	ug/l	94
56) Ethyl methacrylate	8.62	69	10828	4.695	ug/l	96
57) 1,3-Dichloropropane	8.86	76	18415	4.694	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.31	63	2534	9.048	ug/l	97
59) 2-Hexanone	9.50	43	36260	27.643	ug/l	88
60) Dibromochloromethane	8.72	129	12385	4.178	ug/l	100
61) 1,2-Dibromoethane	8.99	107	10136	4.500	ug/l	90
64) Tetrachloroethene	8.16	164	13741	4.893	ug/l	95
65) Chlorobenzene	9.80	112	41563	5.578	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.93	131	15792	5.161	ug/l	94
67) Ethyl Benzene	9.90	91	74736	5.456	ug/l	93
68) m/p-Xylenes	10.14	106	56993	11.401	ug/l	97
69) o-Xylene	10.72	106	30663	5.670	ug/l	90
70) Styrene	10.79	104	41400	5.561	ug/l	98
71) Bromoform	10.78	173	6414	4.502	ug/l #	85
73) Isopropylbenzene	11.13	105	89658	5.733	ug/l	96
74) N-amyl acetate	11.37	43	21842	5.532	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.70	83	14129	5.173	ug/l	89
76) 1,2,3-Trichloropropane	11.80	75	11098	5.473	ug/l	99
77) Bromobenzene	11.50	156	18267	5.564	ug/l	92
78) n-propylbenzene	11.60	91	114687	6.153	ug/l	100
79) 2-Chlorotoluene	11.73	91	62684	5.823	ug/l	99
80) 1,3,5-Trimethylbenzene	11.83	105	73997	5.861	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.88	75	6150	6.617	ug/l	97
82) 4-Chlorotoluene	11.90	91	64596	5.919	ug/l	96
83) tert-Butylbenzene	12.13	119	74233	5.703	ug/l	98
84) 1,2,4-Trimethylbenzene	12.21	105	70805	5.634	ug/l	97
85) sec-Butylbenzene	12.31	105	106214	6.016	ug/l	98
86) p-Isopropyltoluene	12.47	119	85451	5.874	ug/l	96
87) 1,3-Dichlorobenzene	12.48	146	38144	6.021	ug/l	96
88) 1,4-Dichlorobenzene	12.57	146	34246	5.541	ug/l	94
89) n-Butylbenzene	12.85	91	86951	5.817	ug/l	96
90) Hexachloroethane	12.92	117	18247	5.084	ug/l	90
91) 1,2-Dichlorobenzene	12.95	146	33262	5.436	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.65	75	2089	4.256	ug/l	93

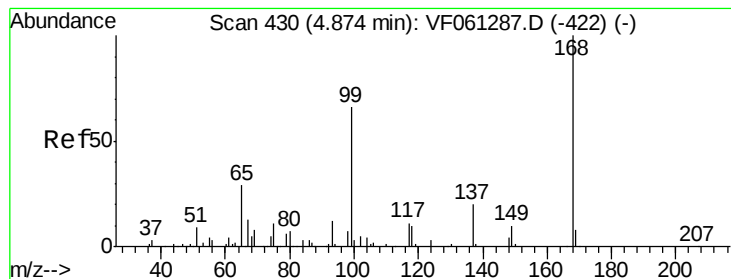
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010819\
Data File : VF061284.D
Acq On : 8 Jan 2019 14:05
Operator : VA/AP
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC005

Quant Time: Jan 09 06:05:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
Quant Title : SW846 8260
QLast Update : Tue Jan 08 15:56:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	22654	5.287	ug/l	98
94) Hexachlorobutadiene	14.19	225	14256	5.222	ug/l	96
95) Naphthalene	14.46	128	40042	4.999	ug/l	97
96) 1,2,3-Trichlorobenzene	14.61	180	22301	5.613	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.00 min

Lab File: VF061284.D

Acq: 8 Jan 2019 14:05

Instrument :

MSVOA_F

ClientSampleId :

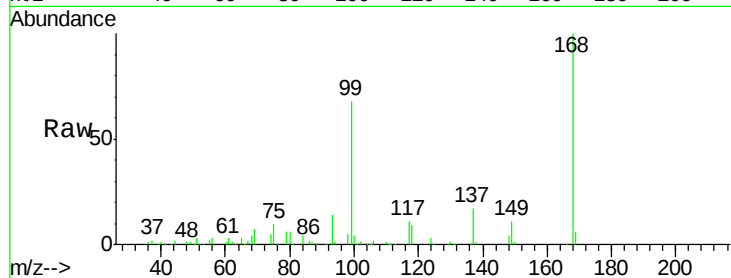
VSTDIC005

Tot Ion:168 Resp: 231256

Ion Ratio Lower Upper

168 100

99 67.5 52.7 79.1



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

80000

60000

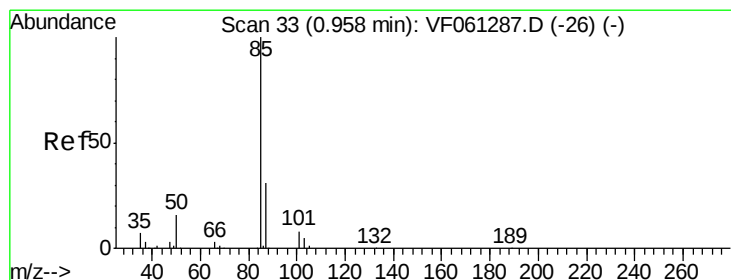
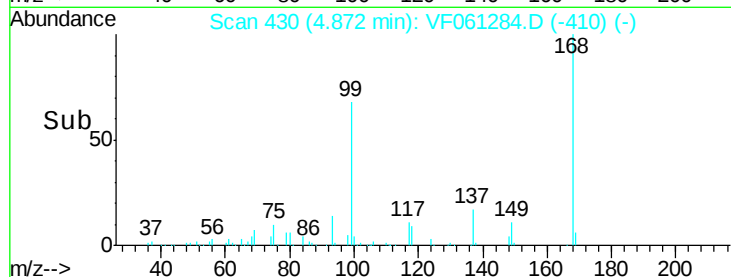
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 4.933 ug/l

RT: 0.97 min Scan# 34

Delta R.T. 0.01 min

Lab File: VF061284.D

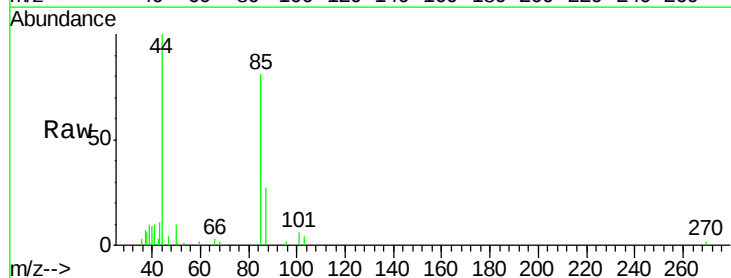
Acq: 8 Jan 2019 14:05

Tgt Ion: 85 Resp: 21906

Ion Ratio Lower Upper

85 100

87 33.5 15.4 46.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

6000

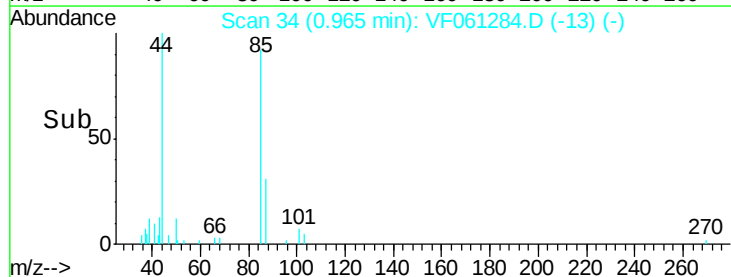
4000

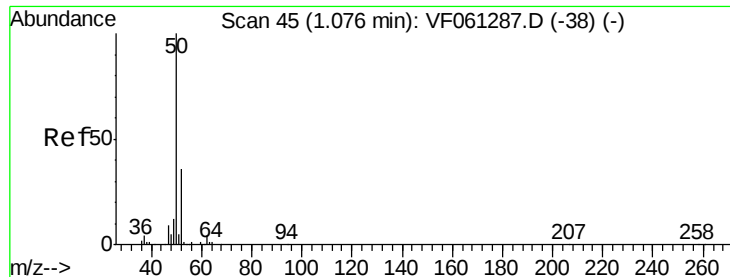
2000

0

Time-->

0.90 1.00 1.10





#3

Chloromethane

Concen: 5.785 ug/l

RT: 1.09 min Scan# 47

Delta R.T. 0.02 min

Lab File: VF061284.D

Acq: 8 Jan 2019 14:05

Instrument :

MSVOA_F

ClientSampleId :

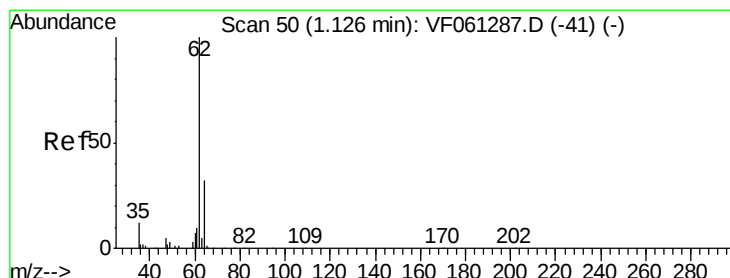
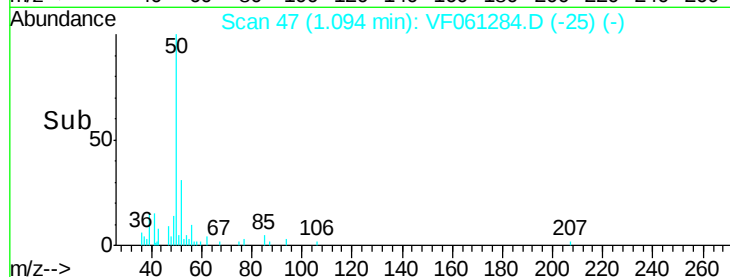
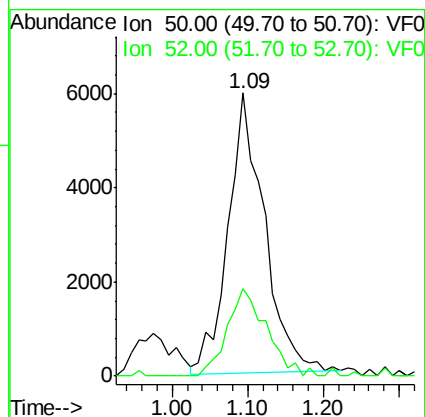
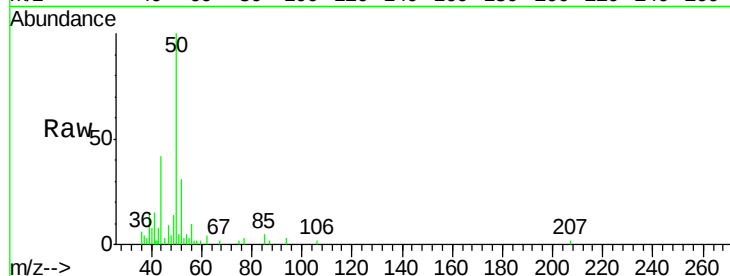
VSTDIC005

Tot Ion: 50 Resp: 19677

Ion Ratio Lower Upper

50 100

52 30.9 28.2 42.2



#4

Vinyl Chloride

Concen: 5.511 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.02 min

Lab File: VF061284.D

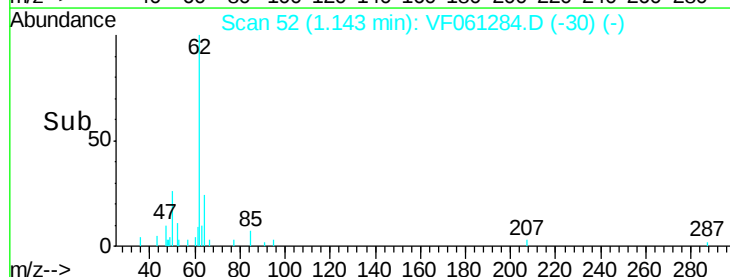
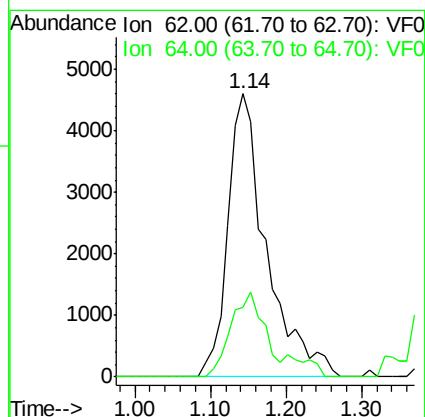
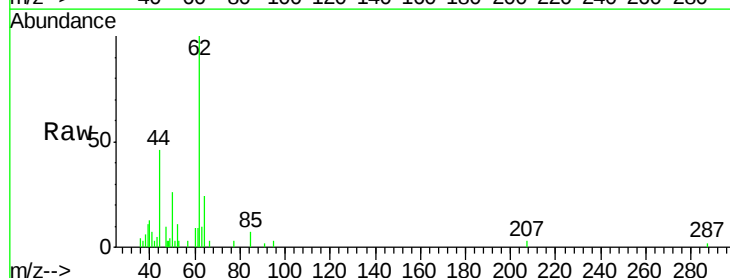
Acq: 8 Jan 2019 14:05

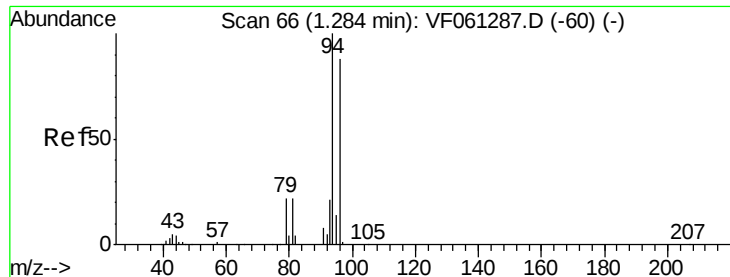
Tgt Ion: 62 Resp: 16237

Ion Ratio Lower Upper

62 100

64 24.4 25.4 38.0#





#5

Bromomethane

Concen: 4.773 ug/l

RT: 1.30 min Scan# 68

Delta R.T. 0.02 min

Lab File: VF061284.D

Acq: 8 Jan 2019 14:05

Instrument :

MSVOA_F

ClientSampleId :

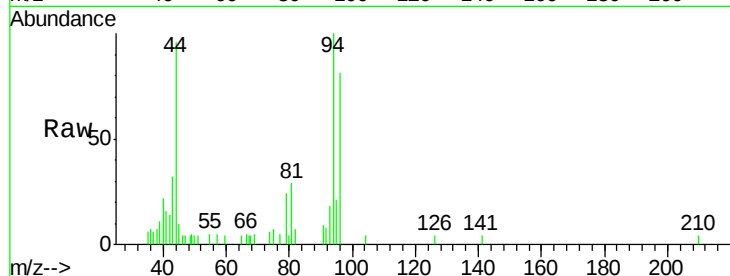
VSTDIC005

Tot Ion: 94 Resp: 9615

Ion Ratio Lower Upper

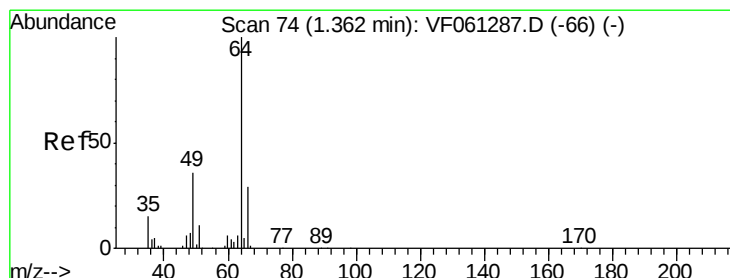
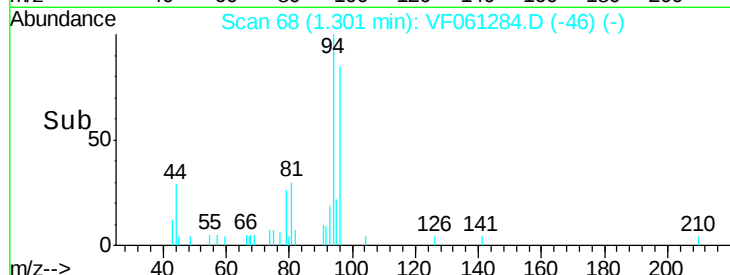
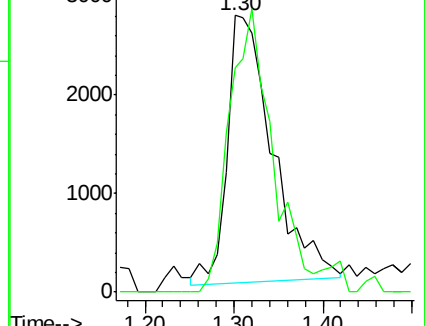
94 100

96 81.0 70.2 105.4



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 6.686 ug/l

RT: 1.38 min Scan# 76

Delta R.T. 0.02 min

Lab File: VF061284.D

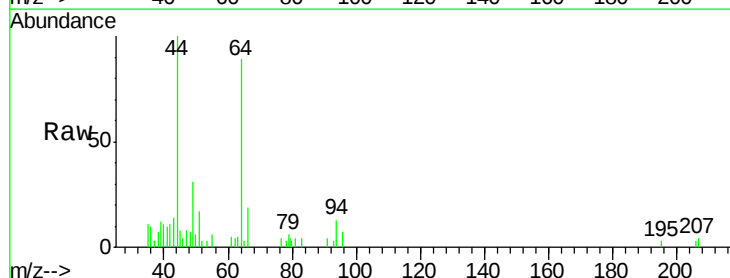
Acq: 8 Jan 2019 14:05

Tgt Ion: 64 Resp: 8928

Ion Ratio Lower Upper

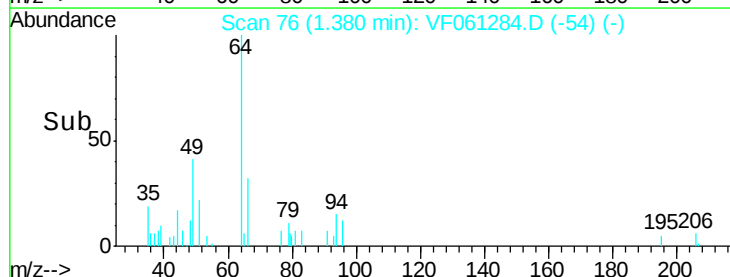
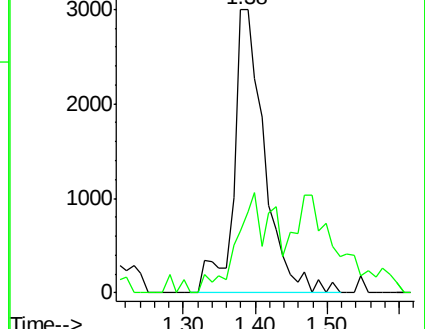
64 100

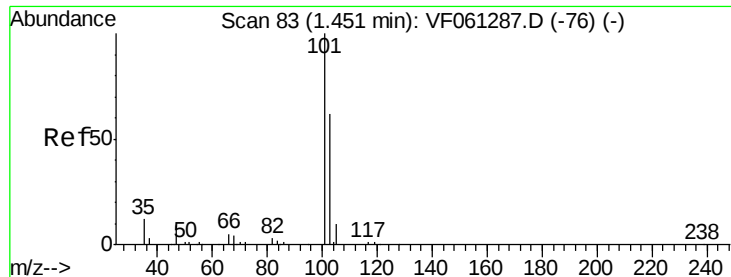
66 21.9 23.4 35.0#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 5.252 ug/l

RT: 1.47 min Scan# 85

Delta R.T. 0.02 min

Lab File: VF061284.D

Acq: 8 Jan 2019 14:05

Instrument :

MSVOA_F

ClientSampleId :

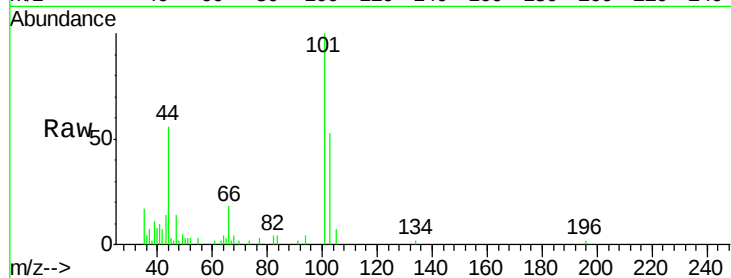
VSTDIC005

Tot Ion:101 Resp: 27846

Ion Ratio Lower Upper

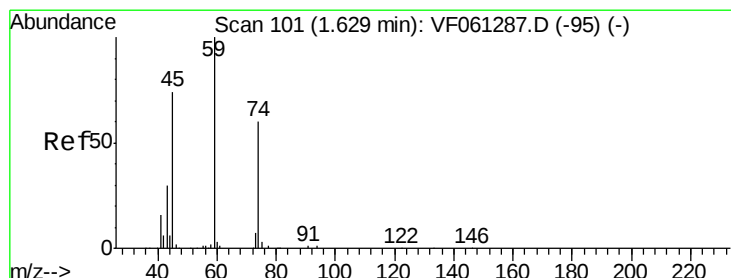
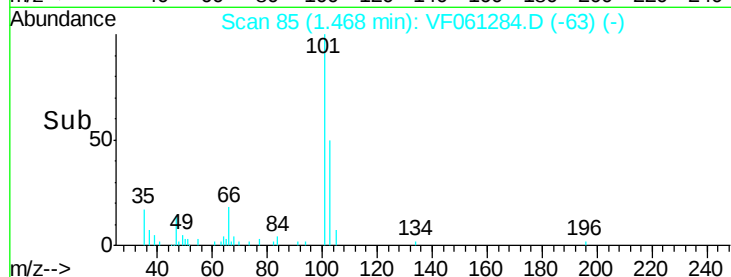
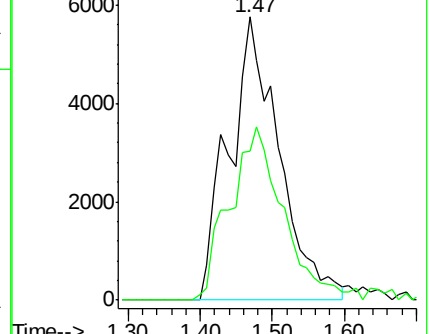
101 100

103 52.8 49.9 74.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 6.182 ug/l

RT: 1.64 min Scan# 102

Delta R.T. 0.01 min

Lab File: VF061284.D

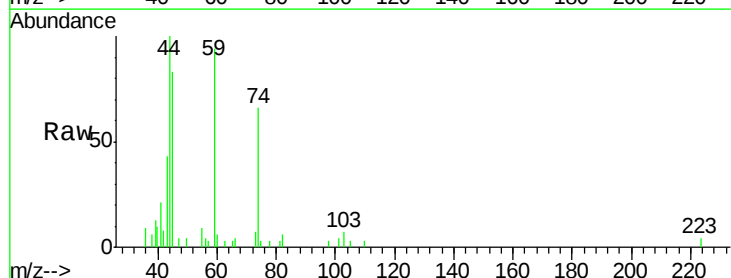
Acq: 8 Jan 2019 14:05

Tgt Ion: 74 Resp: 4676

Ion Ratio Lower Upper

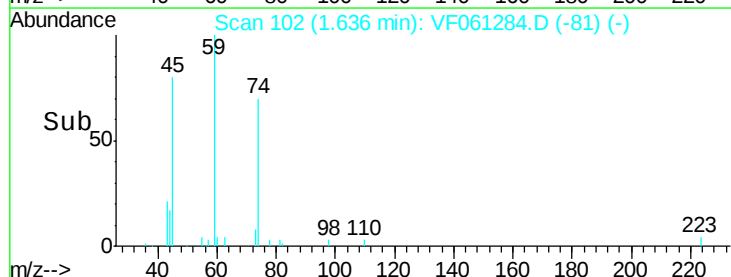
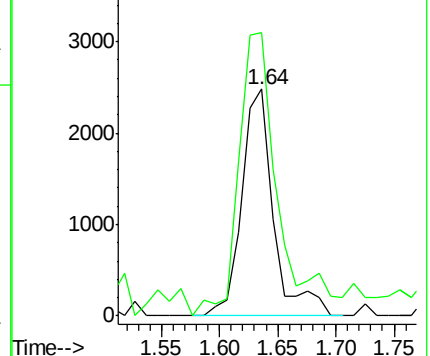
74 100

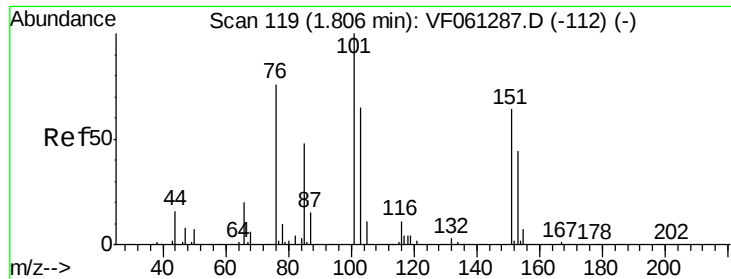
45 124.8 62.1 186.3



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.778 ug/l

RT: 1.83 min Scan# 122

Delta R.T. 0.03 min

Lab File: VF061284.D

Acq: 8 Jan 2019 14:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

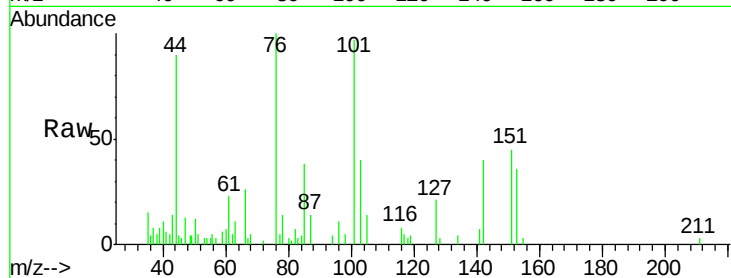
Tot Ion:101 Resp: 15305

Ion Ratio Lower Upper

101 100

85 39.1 38.4 57.6

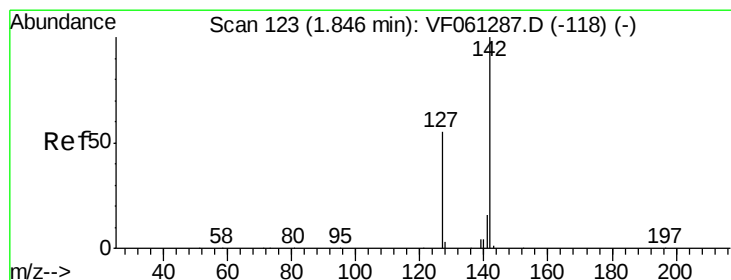
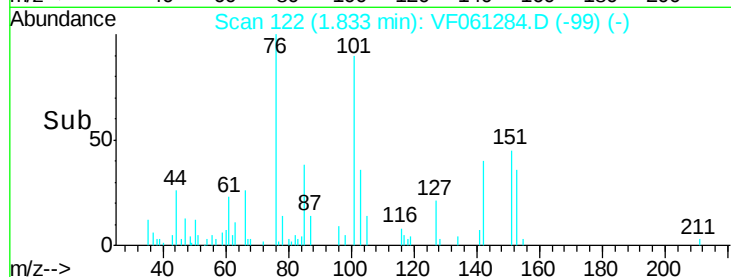
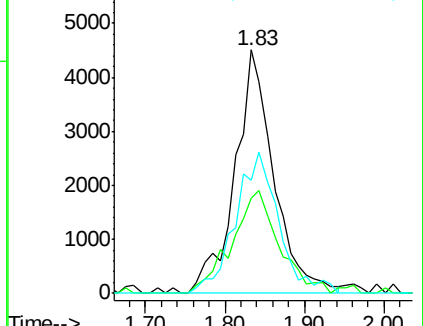
151 46.6 51.4 77.2#



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: 2.137 ug/l

RT: 1.85 min Scan# 124

Delta R.T. 0.01 min

Lab File: VF061284.D

Acq: 8 Jan 2019 14:05

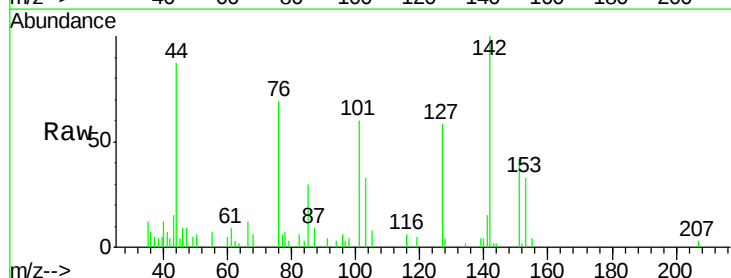
Tgt Ion:142 Resp: 9145

Ion Ratio Lower Upper

142 100

127 58.4 44.3 66.5

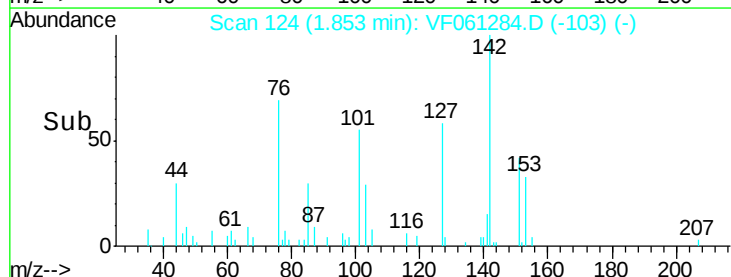
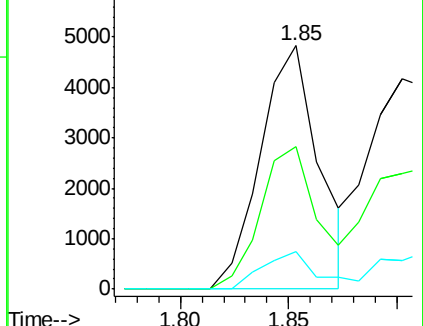
141 15.2 13.2 19.8

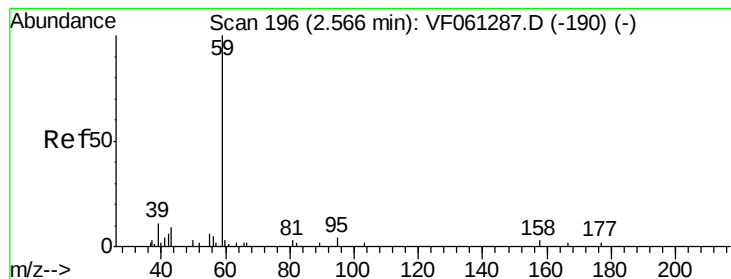


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V





#11

Tert butyl alcohol

Concen: 25.212 ug/l

RT: 2.57 min Scan# 197

Delta R.T. 0.01 min

Lab File: VF061284.D

Acq: 8 Jan 2019 14:05

Instrument :

MSVOA_F

ClientSampleId :

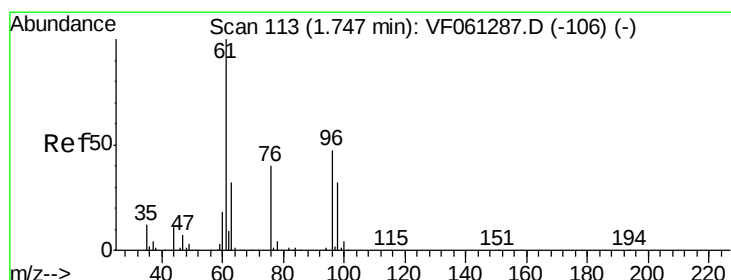
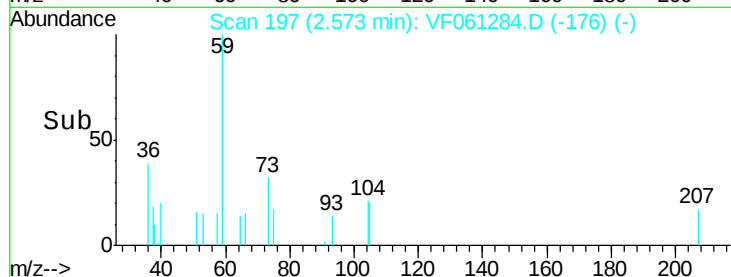
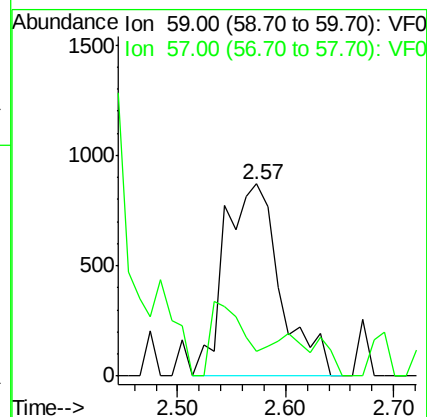
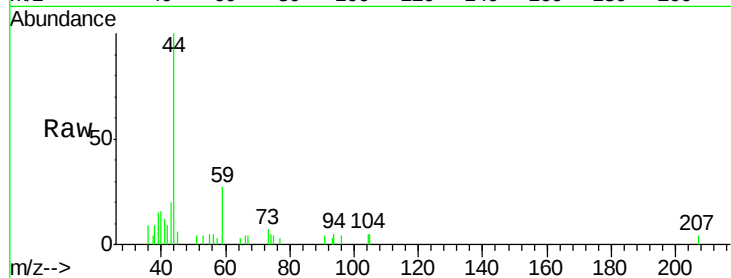
VSTDIC005

Tot Ion: 59 Resp: 3123

Ion Ratio Lower Upper

59 100

57 13.1 15.1 22.7#



#12

1,1-Dichloroethene

Concen: 2.314 ug/l

RT: 1.75 min Scan# 114

Delta R.T. 0.01 min

Lab File: VF061284.D

Acq: 8 Jan 2019 14:05

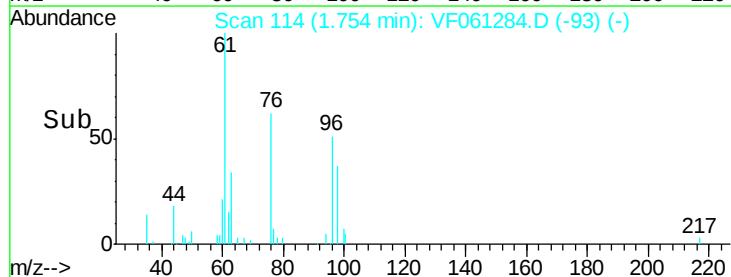
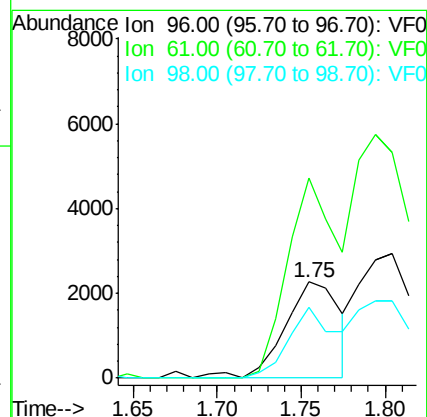
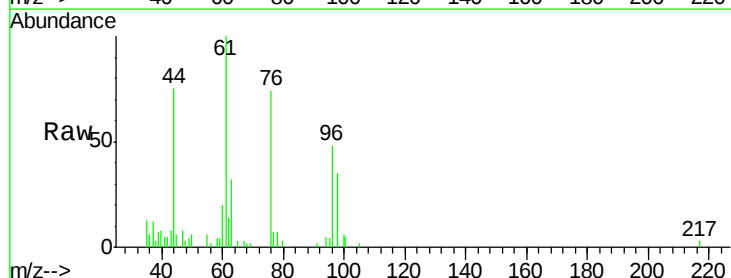
Tgt Ion: 96 Resp: 5153

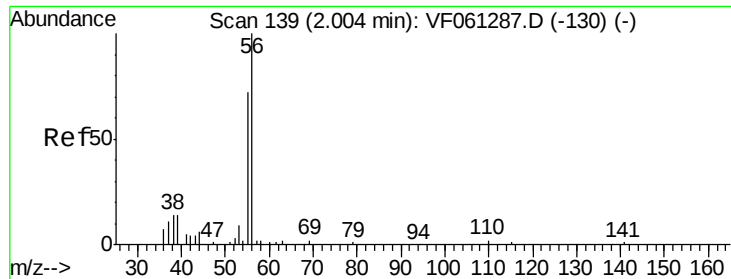
Ion Ratio Lower Upper

96 100

61 208.1 171.8 257.8

98 73.5 54.2 81.4





#13

Acrolein

Concen: 2.329 ug/l

RT: 1.88 min Scan# 127

Delta R.T. -0.12 min

Lab File: VF061284.D

Acq: 8 Jan 2019 14:05

Instrument :

MSVOA_F

ClientSampleId :

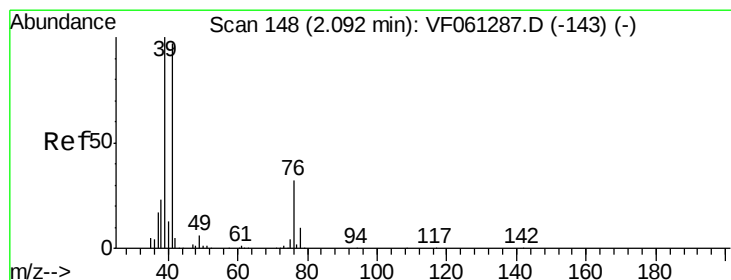
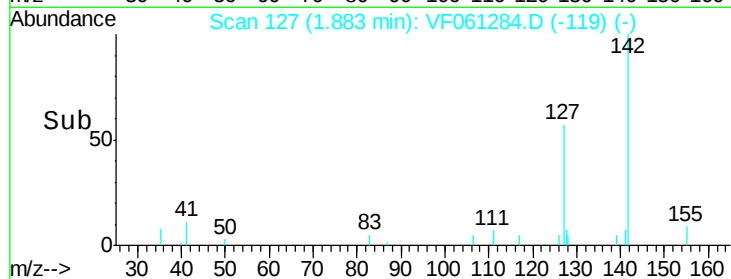
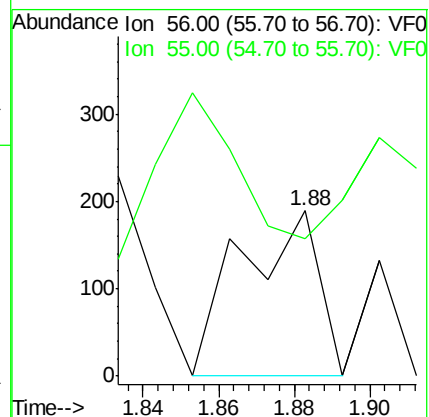
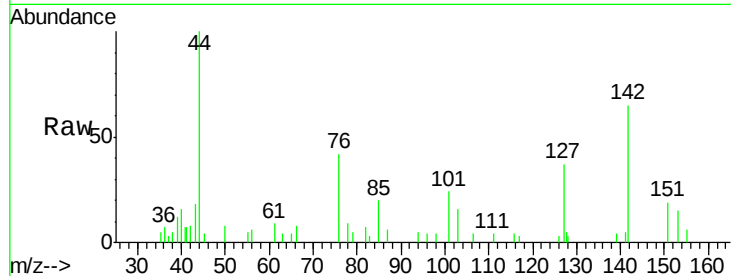
VSTDIC005

Tot Ion: 56 Resp: 270

Ion Ratio Lower Upper

56 100

55 83.1 59.4 89.0



#14

Allyl chloride

Concen: 6.983 ug/l

RT: 2.10 min Scan# 149

Delta R.T. 0.01 min

Lab File: VF061284.D

Acq: 8 Jan 2019 14:05

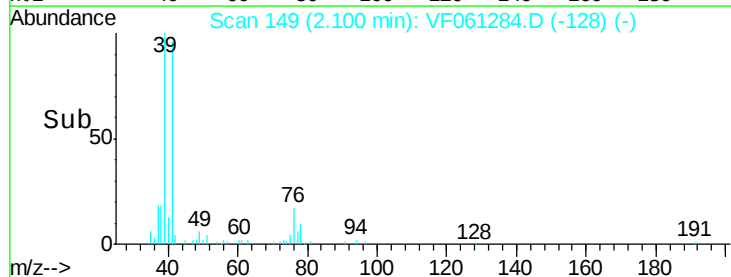
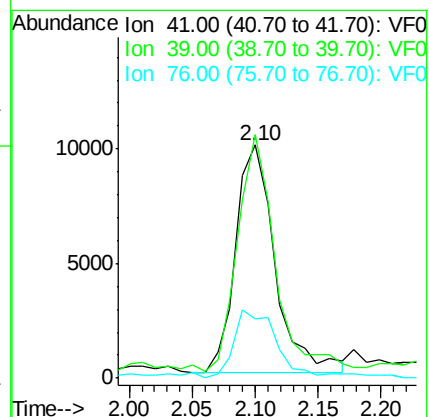
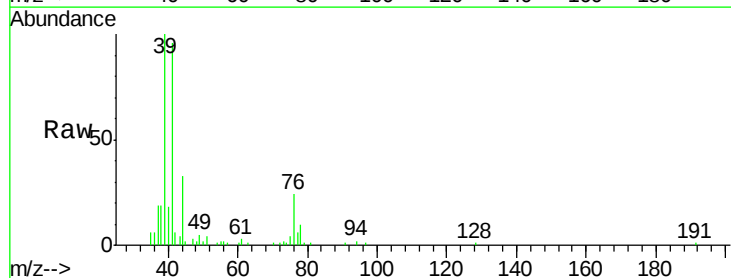
Tgt Ion: 41 Resp: 21496

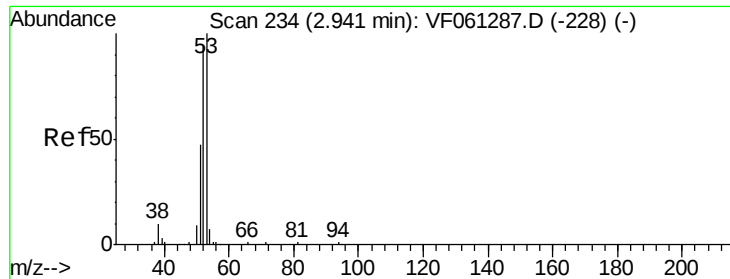
Ion Ratio Lower Upper

41 100

39 104.4 82.6 123.8

76 25.4 26.9 40.3#





#15

Acrylonitrile

Concen: 32.870 ug/l

RT: 2.95 min Scan# 235

Delta R.T. 0.01 min

Lab File: VF061284.D

Acq: 8 Jan 2019 14:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

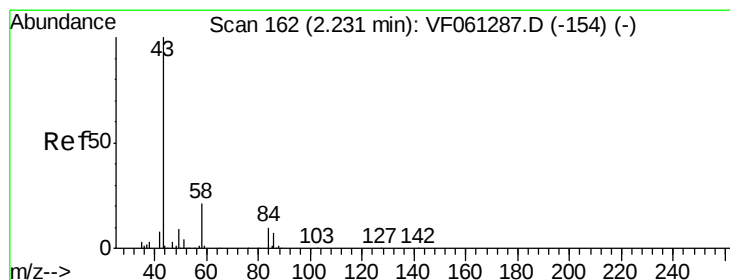
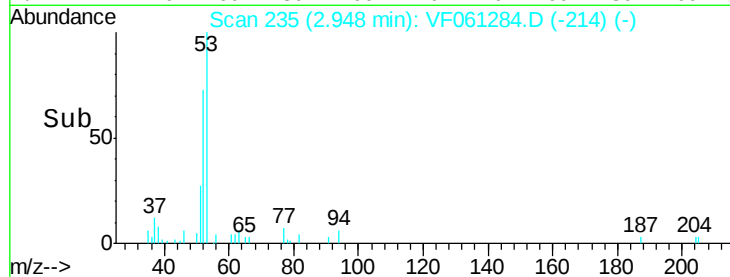
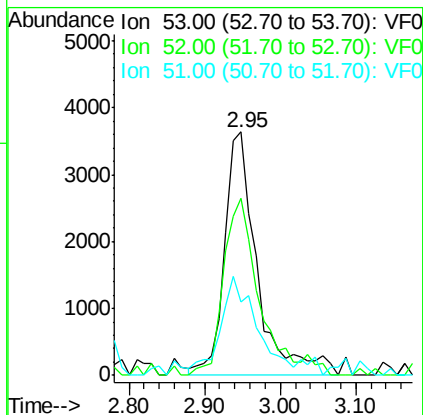
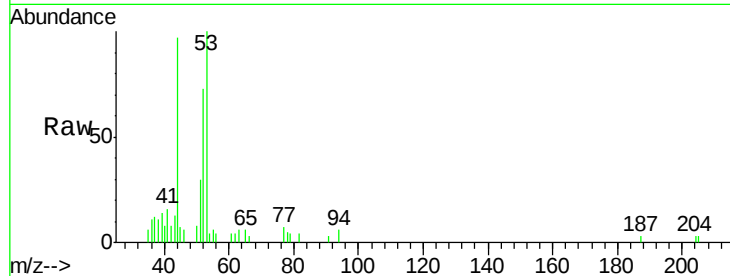
Tot Ion: 53 Resp: 10885

Ion Ratio Lower Upper

53 100

52 72.5 74.6 111.8#

51 30.2 37.8 56.6#



#16

Acetone

Concen: 29.490 ug/l

RT: 2.24 min Scan# 163

Delta R.T. 0.01 min

Lab File: VF061284.D

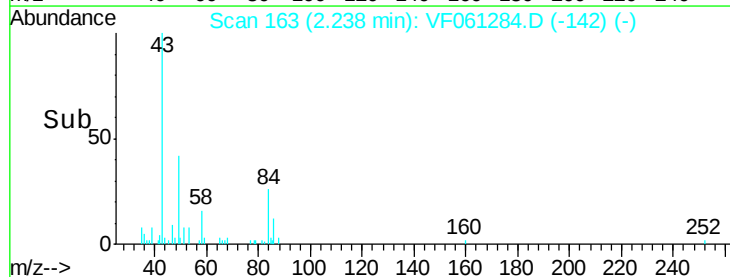
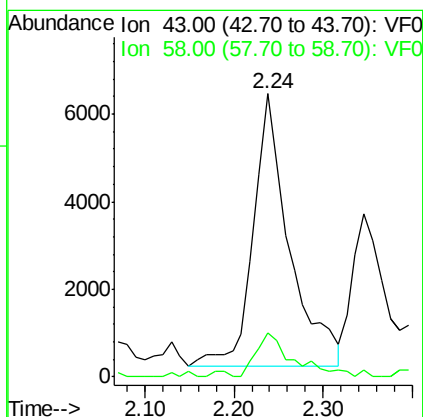
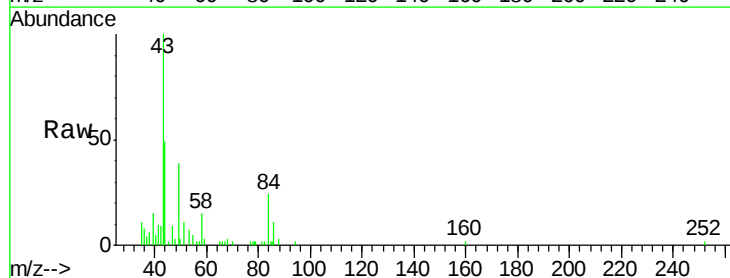
Acq: 8 Jan 2019 14:05

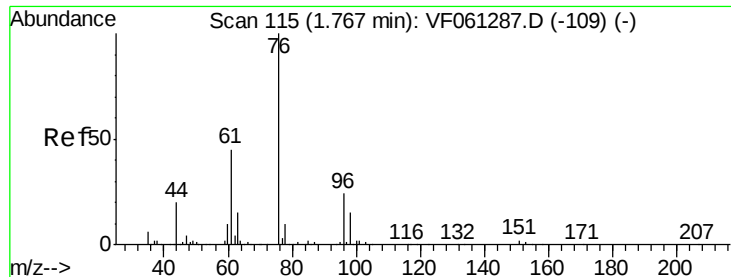
Tgt Ion: 43 Resp: 17337

Ion Ratio Lower Upper

43 100

58 15.4 16.6 25.0#

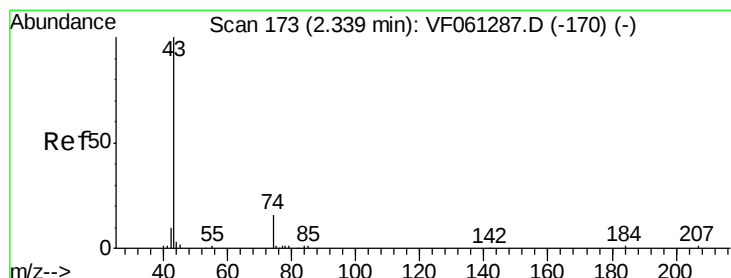
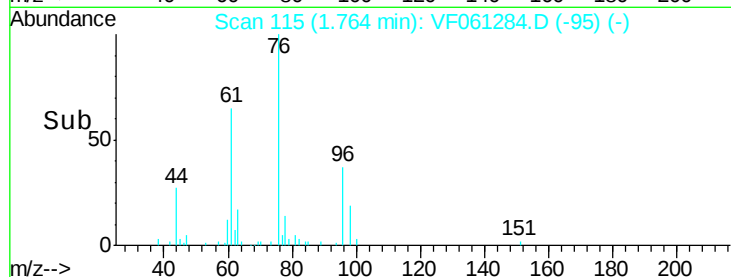
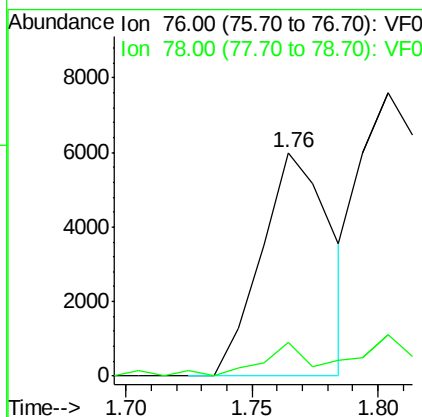
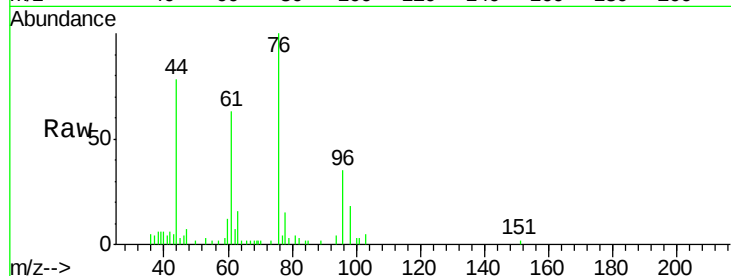




#17
Carbon Disulfide
Concen: 1.703 ug/l
RT: 1.76 min Scan# 115
Delta R.T. -0.00 min
Lab File: VF061284.D
Acq: 8 Jan 2019 14:05

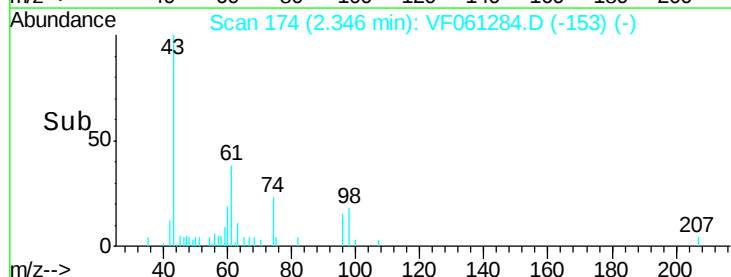
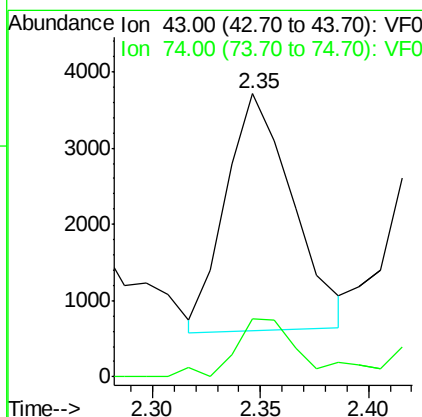
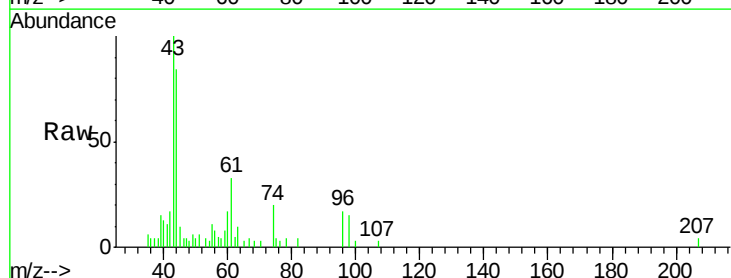
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

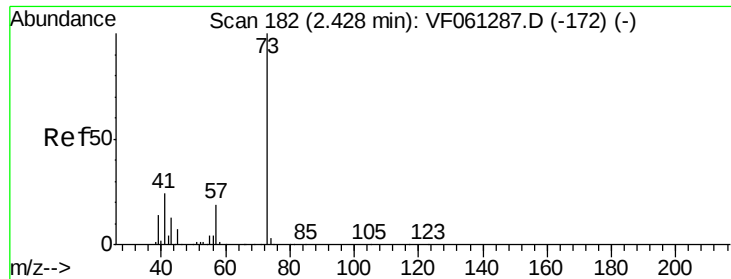
Tot Ion: 76 Resp: 11546
Ion Ratio Lower Upper
76 100
78 15.1 7.8 11.6#



#18
Methyl Acetate
Concen: 5.155 ug/l
RT: 2.35 min Scan# 174
Delta R.T. 0.01 min
Lab File: VF061284.D
Acq: 8 Jan 2019 14:05

Tgt Ion: 43 Resp: 6707
Ion Ratio Lower Upper
43 100
74 20.3 11.6 17.4#

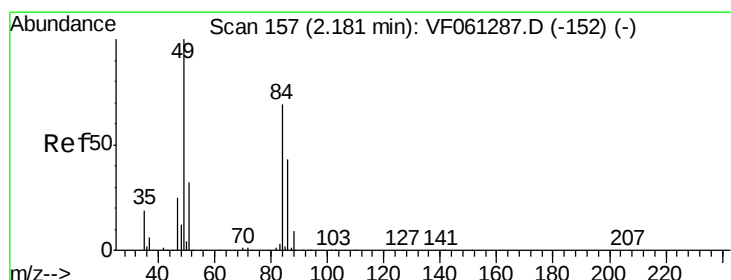
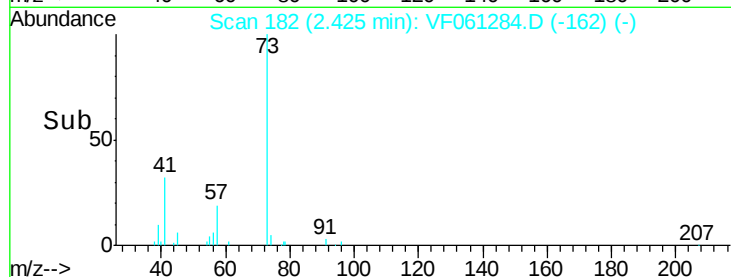
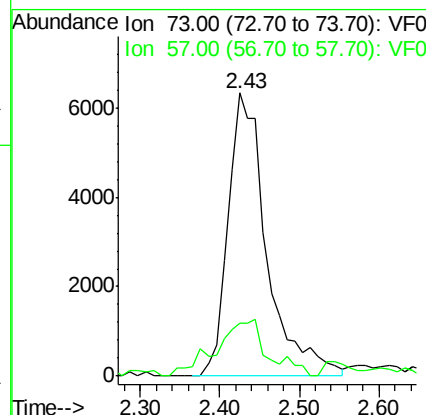
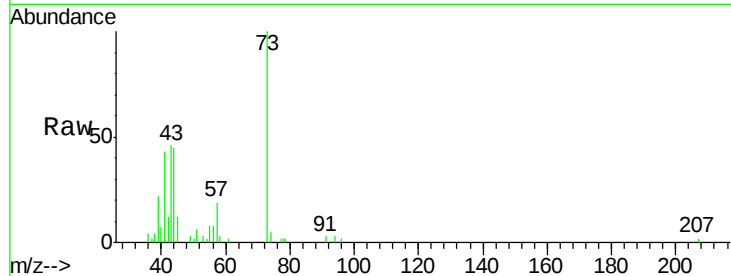




#19
Methyl tert-butyl Ether
Concen: 4.626 ug/l
RT: 2.43 min Scan# 182
Delta R.T. -0.00 min
Lab File: VF061284.D
Acq: 8 Jan 2019 14:05

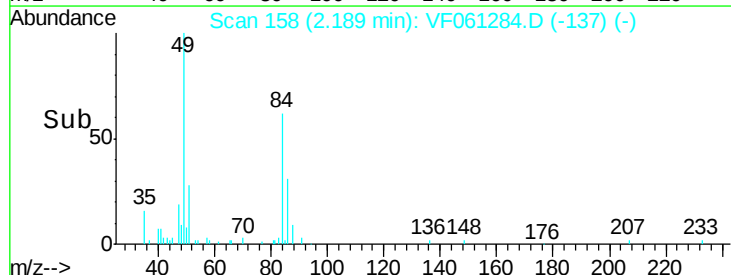
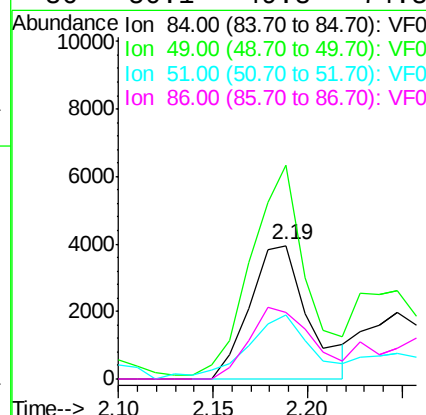
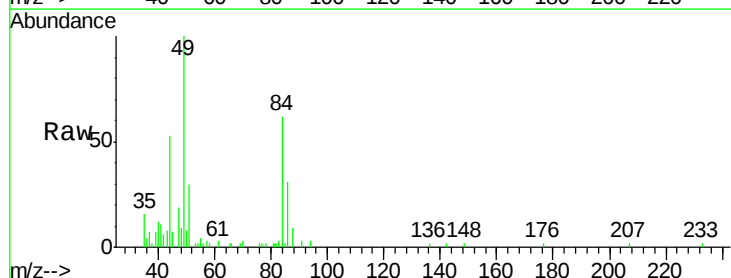
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

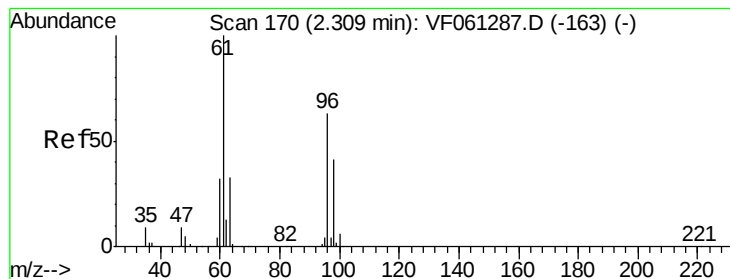
Tot Ion: 73 Resp: 21474
Ion Ratio Lower Upper
73 100
57 18.8 15.5 23.3



#20
Methylene Chloride
Concen: 3.142 ug/l
RT: 2.19 min Scan# 158
Delta R.T. 0.01 min
Lab File: VF061284.D
Acq: 8 Jan 2019 14:05

Tgt Ion: 84 Resp: 8572
Ion Ratio Lower Upper
84 100
49 160.2 116.6 175.0
51 48.4 37.7 56.5
86 50.1 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 5.370 ug/l

RT: 2.32 min Scan# 171

Delta R.T. 0.01 min

Lab File: VF061284.D

Acq: 8 Jan 2019 14:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

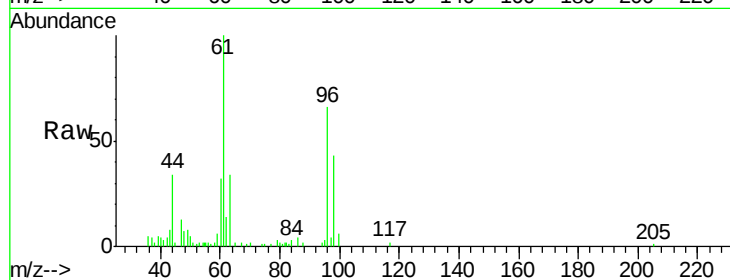
Tot Ion: 96 Resp: 12576

Ion Ratio Lower Upper

96 100

61 152.5 127.0 190.4

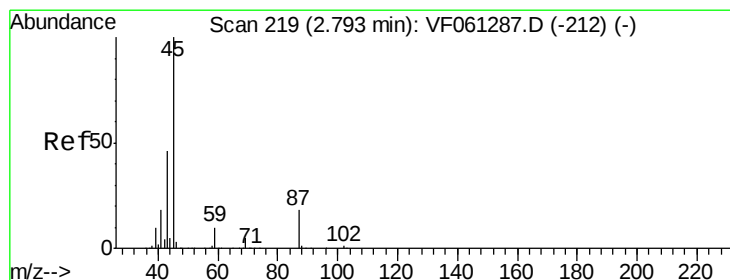
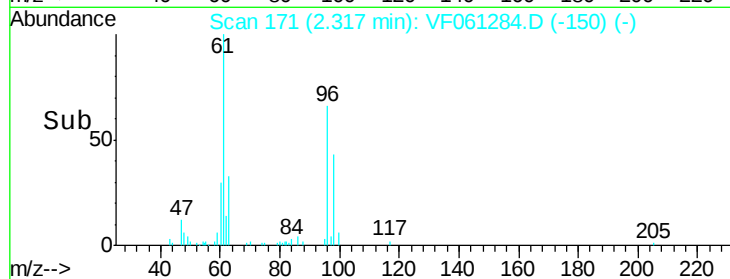
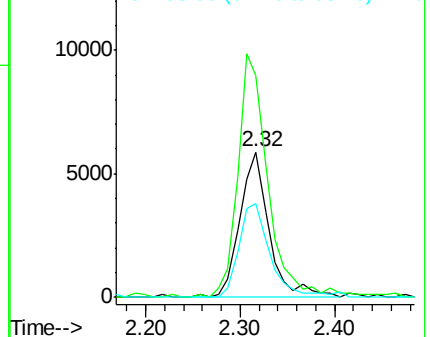
98 64.9 51.7 77.5



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 5.924 ug/l

RT: 2.80 min Scan# 220

Delta R.T. 0.01 min

Lab File: VF061284.D

Acq: 8 Jan 2019 14:05

Tgt Ion: 45 Resp: 45857

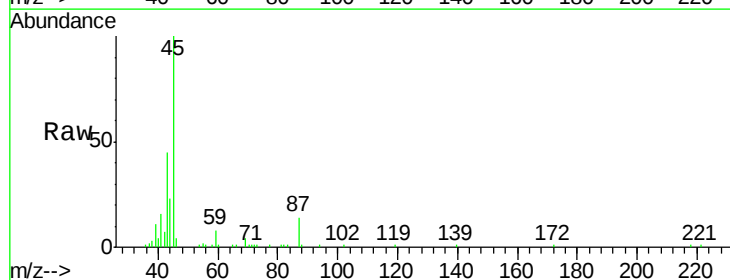
Ion Ratio Lower Upper

45 100

43 45.4 37.4 56.2

87 14.3 14.2 21.2

59 8.4 8.2 12.2

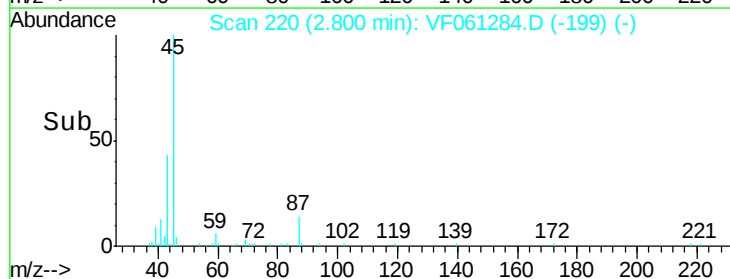
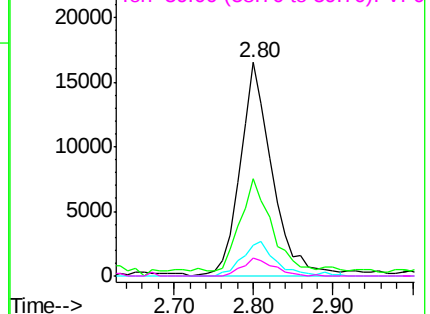


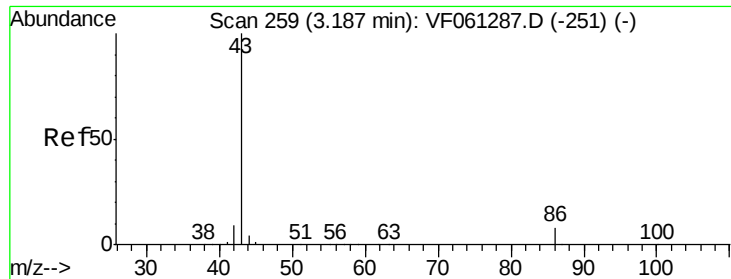
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0

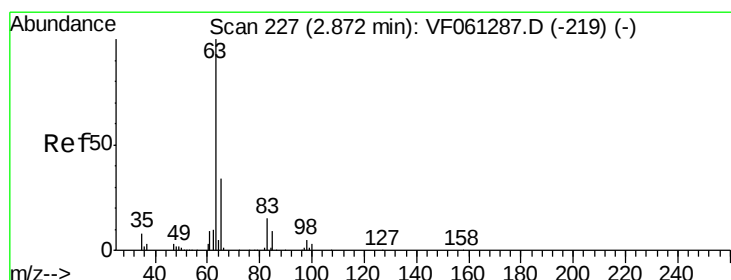
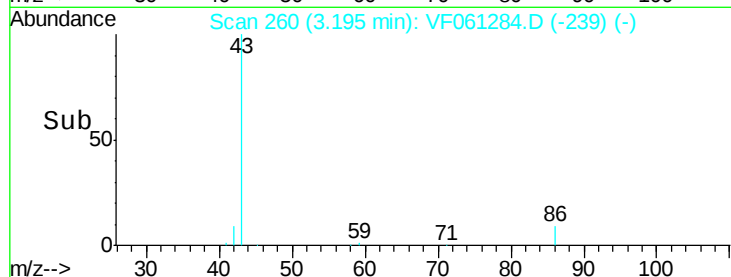
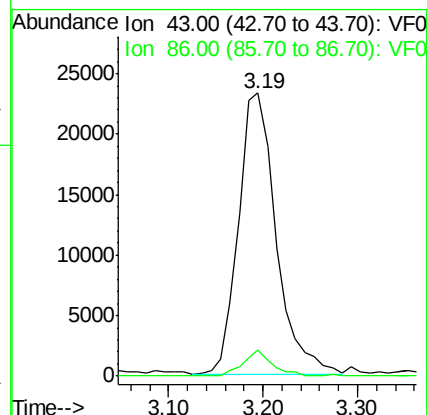
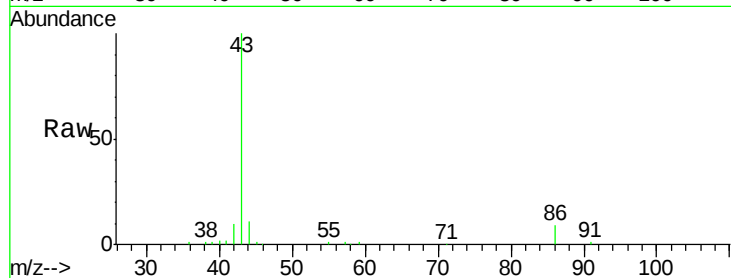




#23
 Vinyl Acetate
 Concen: 18.055 ug/l
 RT: 3.19 min Scan# 260
 Delta R.T. 0.01 min
 Lab File: VF061284.D
 Acq: 8 Jan 2019 14:05

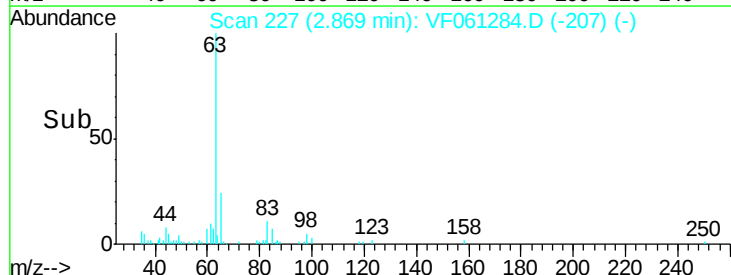
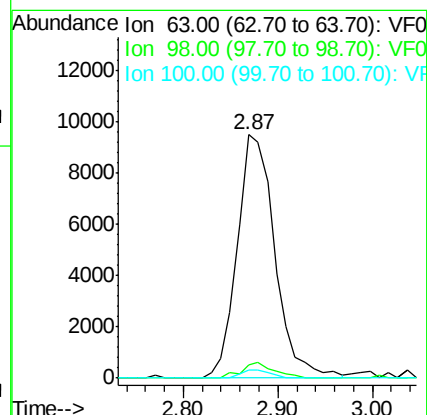
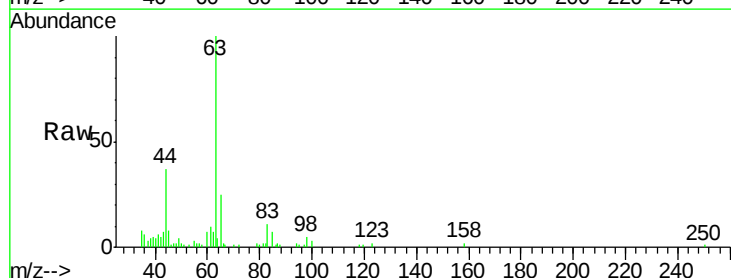
Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDIC005

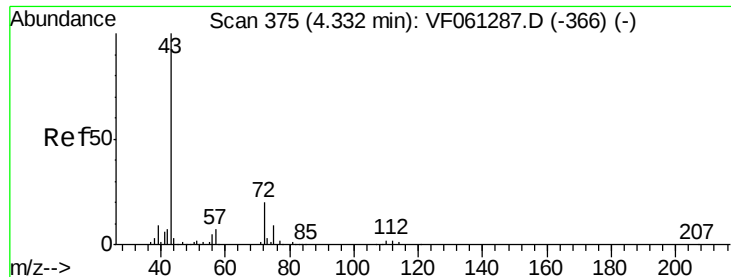
Tot Ion: 43 Resp: 64004
 Ion Ratio Lower Upper
 43 100
 86 9.2 6.5 9.7



#24
 1,1-Dichloroethane
 Concen: 5.790 ug/l
 RT: 2.87 min Scan# 227
 Delta R.T. -0.00 min
 Lab File: VF061284.D
 Acq: 8 Jan 2019 14:05

Tgt Ion: 63 Resp: 26275
 Ion Ratio Lower Upper
 63 100
 98 5.5 2.5 7.6
 100 3.1 1.7 5.0





#25

2-Butanone

Concen: 26.628 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.01 min

Lab File: VF061284.D

Acq: 8 Jan 2019 14:05

Instrument :

MSVOA_F

ClientSampleId :

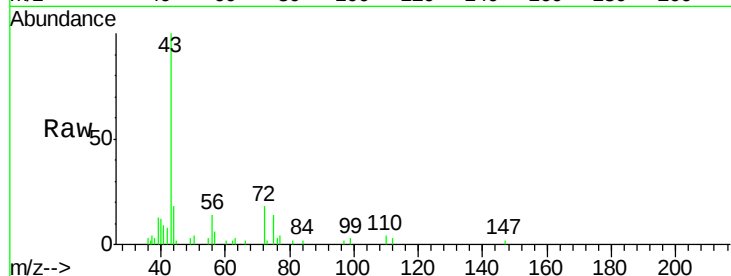
VSTDIC005

Tot Ion: 43 Resp: 29386

Ion Ratio Lower Upper

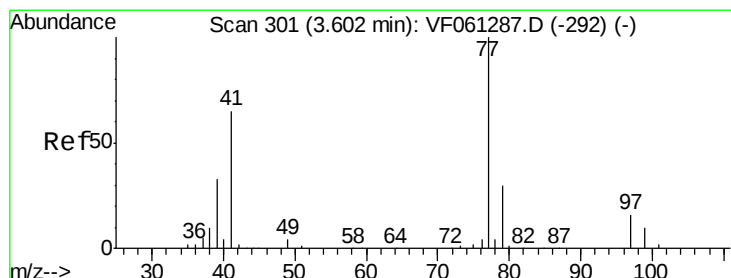
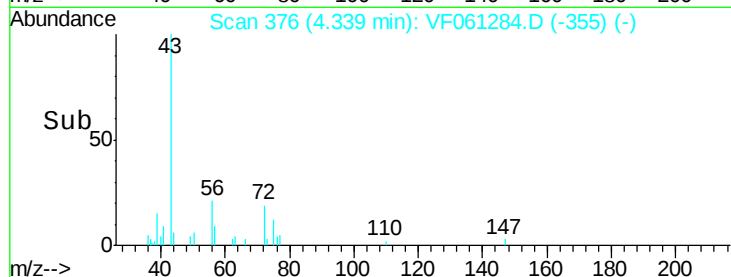
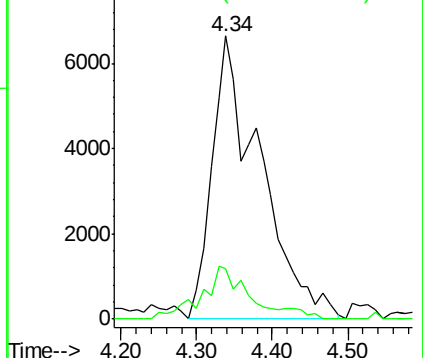
43 100

72 17.6 16.5 24.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 6.102 ug/l

RT: 3.61 min Scan# 302

Delta R.T. 0.01 min

Lab File: VF061284.D

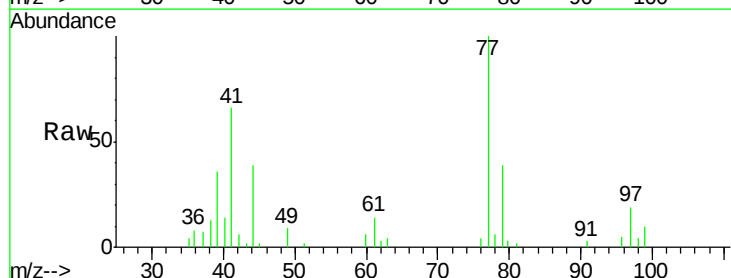
Acq: 8 Jan 2019 14:05

Tgt Ion: 77 Resp: 15948

Ion Ratio Lower Upper

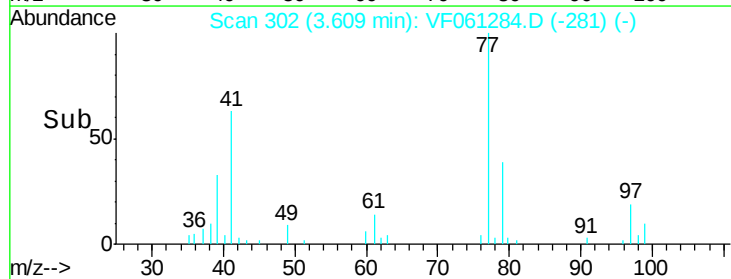
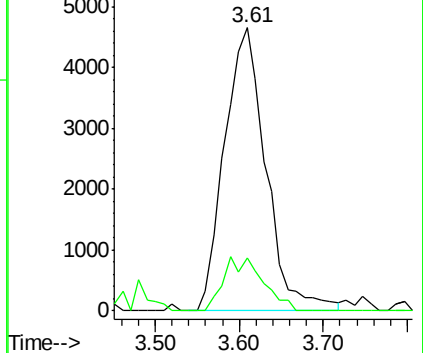
77 100

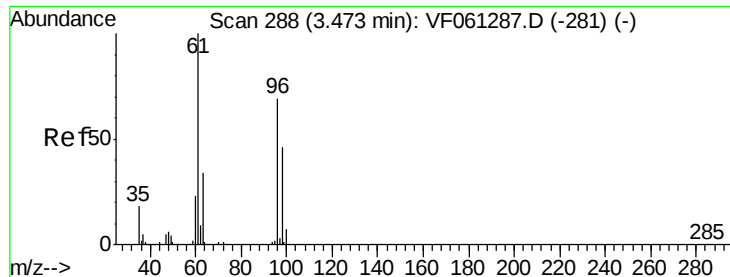
97 18.5 8.6 25.9



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



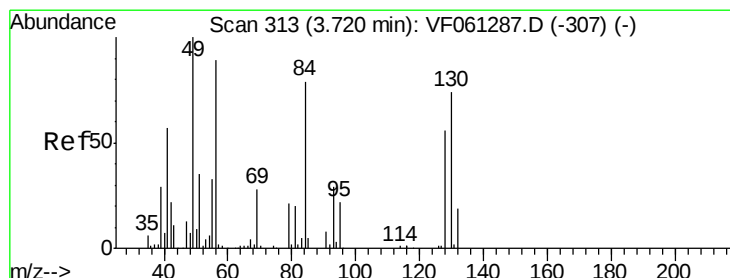
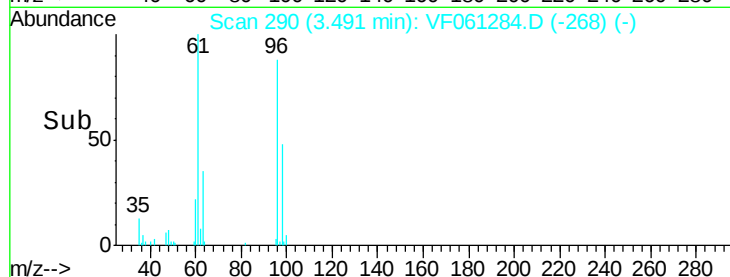
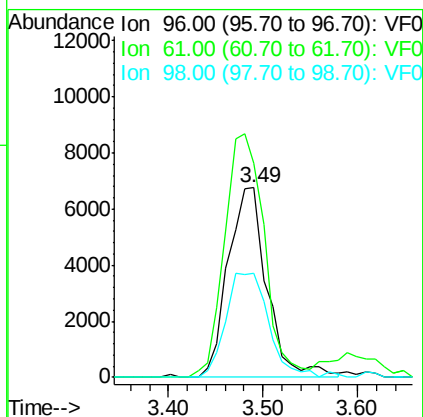
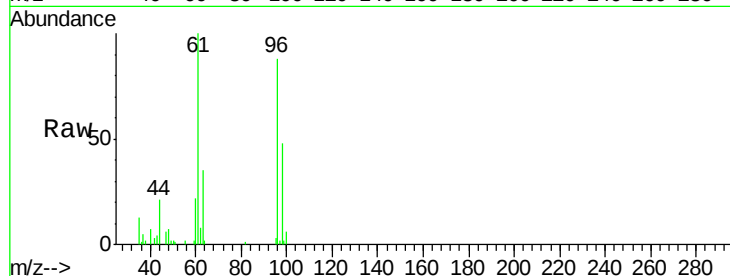


#27

cis-1,2-Dichloroethene
 Concen: 5.614 ug/l
 RT: 3.49 min Scan# 290
 Delta R.T. 0.02 min
 Lab File: VF061284.D
 Acq: 8 Jan 2019 14:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

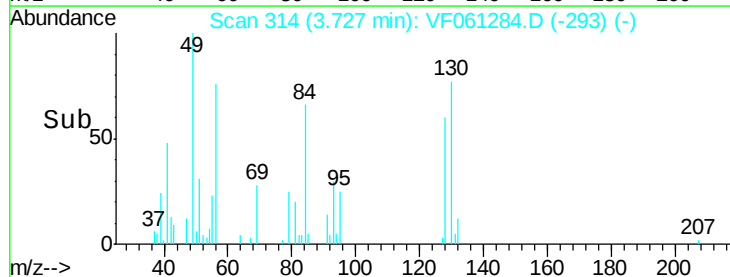
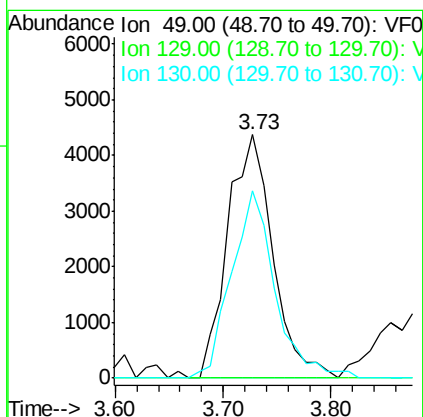
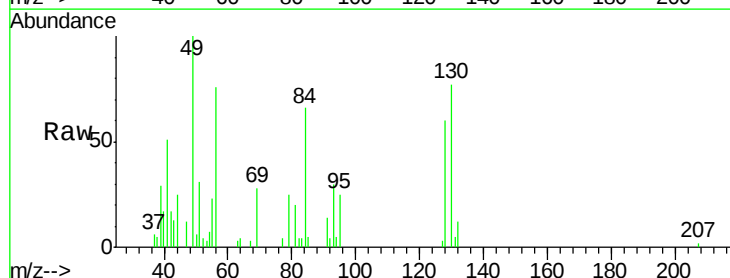
Tot Ion	Ratio	Lower	Upper
96	100		
61	113.4	0.0	288.2
98	54.8	0.0	132.2

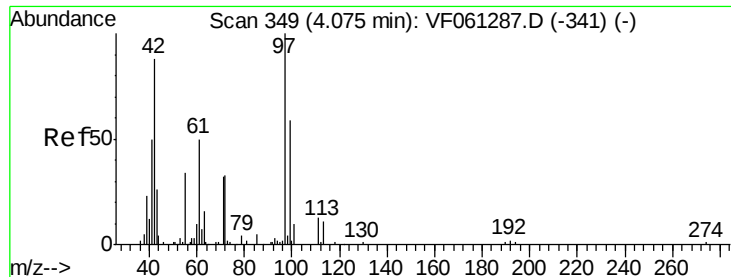


#28

Bromochloromethane
 Concen: 5.911 ug/l
 RT: 3.73 min Scan# 314
 Delta R.T. 0.01 min
 Lab File: VF061284.D
 Acq: 8 Jan 2019 14:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	76.9	58.6	88.0

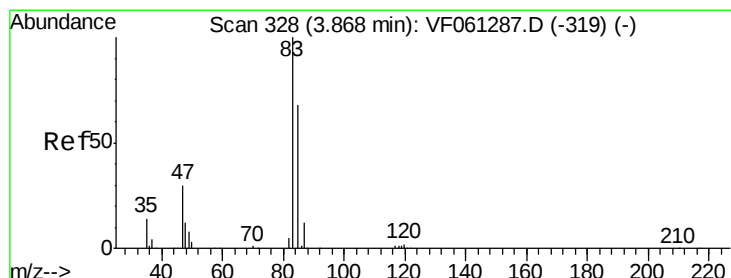
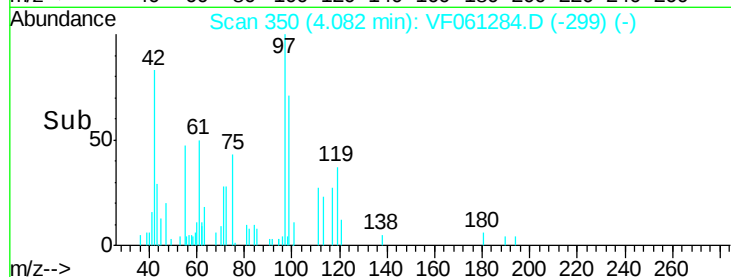
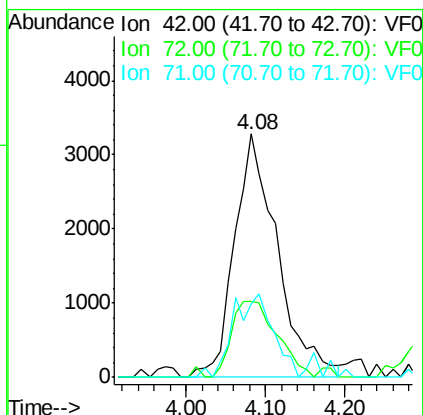
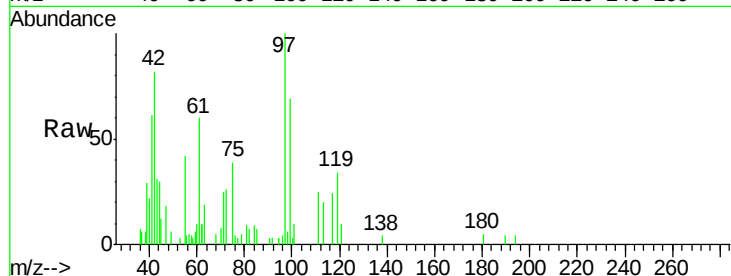




#29
Tetrahydrofuran
Concen: 28.699 ug/l
RT: 4.08 min Scan# 350
Delta R.T. 0.01 min
Lab File: VF061284.D
Acq: 8 Jan 2019 14:05

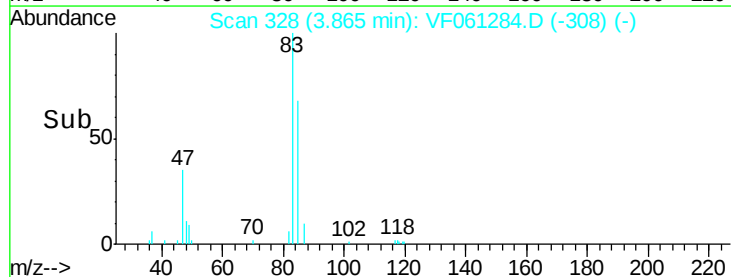
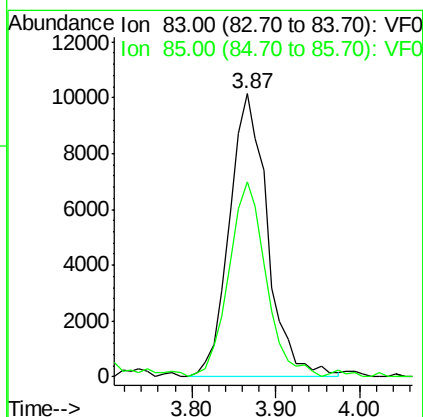
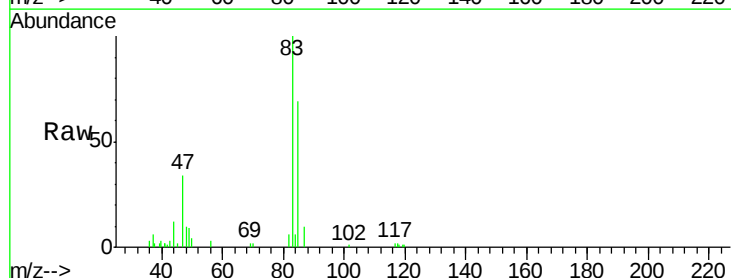
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

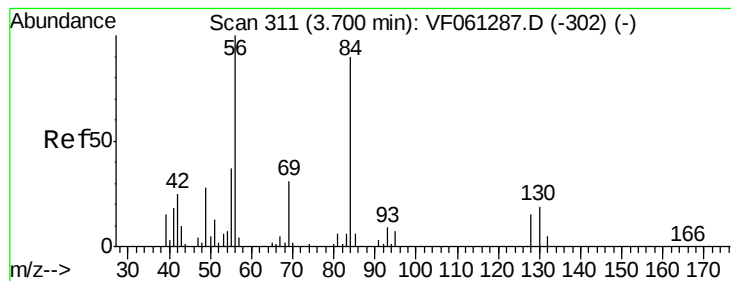
Tot Ion: 42 Resp: 12314
Ion Ratio Lower Upper
42 100
72 33.0 32.3 48.5
71 32.0 29.5 44.3



#30
Chloroform
Concen: 5.038 ug/l
RT: 3.87 min Scan# 328
Delta R.T. -0.00 min
Lab File: VF061284.D
Acq: 8 Jan 2019 14:05

Tgt Ion: 83 Resp: 31982
Ion Ratio Lower Upper
83 100
85 69.1 54.4 81.6





#31

Cyclohexane

Concen: 5.809 ug/l

RT: 3.69 min Scan# 310

Delta R.T. -0.01 min

Lab File: VF061284.D

Acq: 8 Jan 2019 14:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

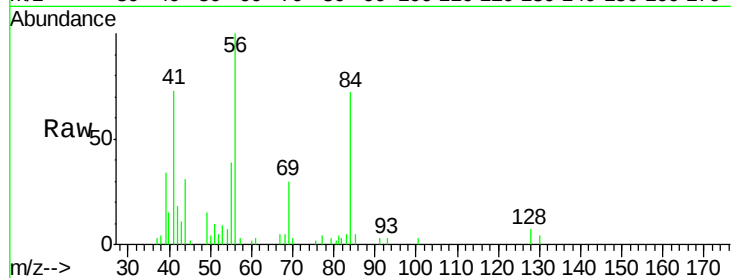
Tot Ion: 56 Resp: 27942

Ion Ratio Lower Upper

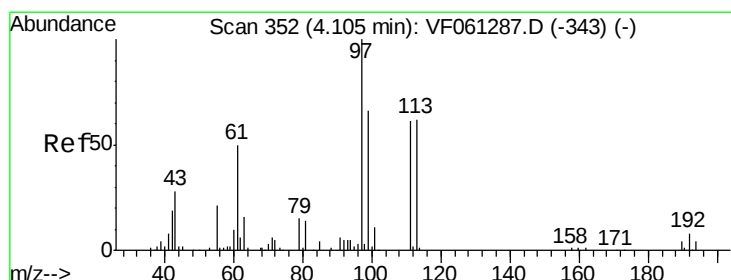
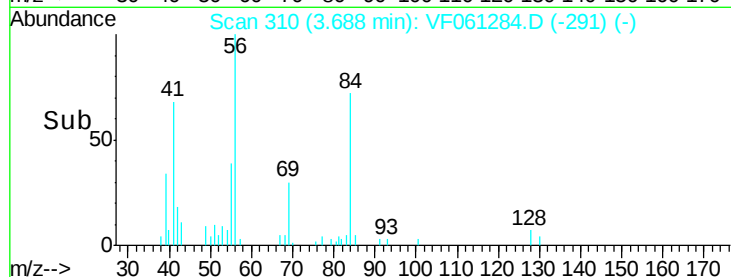
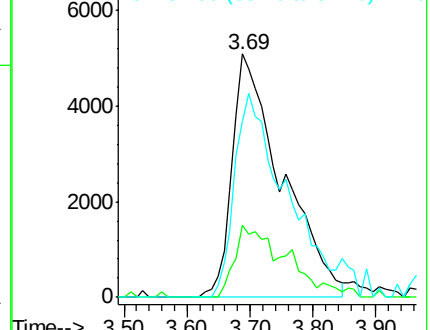
56 100

69 29.7 24.7 37.1

84 72.4 72.2 108.4



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: 5.820 ug/l

RT: 4.10 min Scan# 352

Delta R.T. -0.00 min

Lab File: VF061284.D

Acq: 8 Jan 2019 14:05

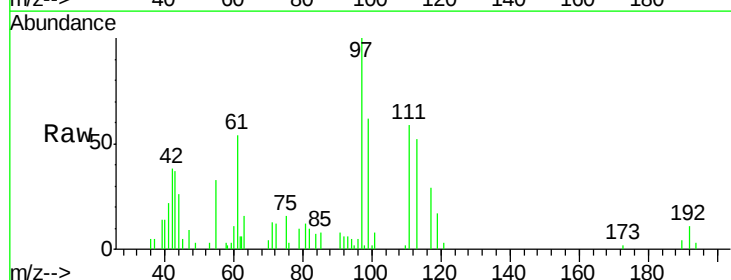
Tgt Ion: 97 Resp: 23999

Ion Ratio Lower Upper

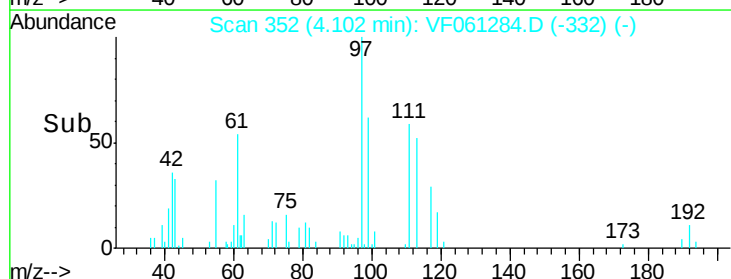
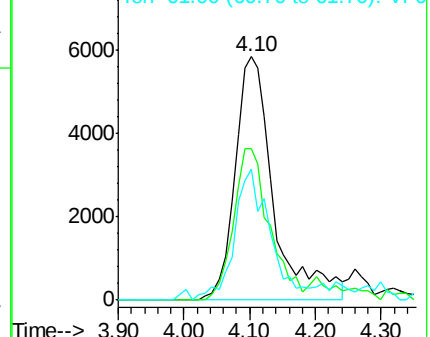
97 100

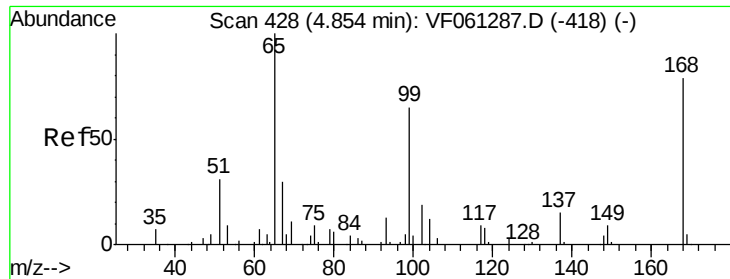
99 62.1 52.7 79.1

61 54.0 40.8 61.2



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

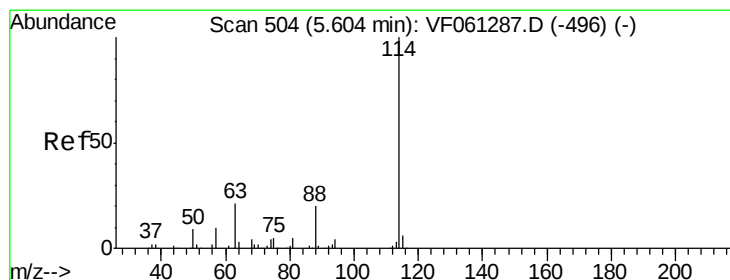
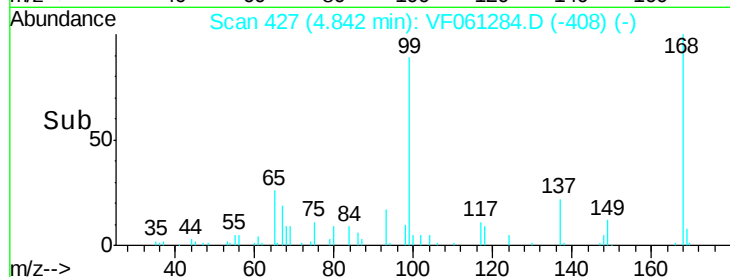
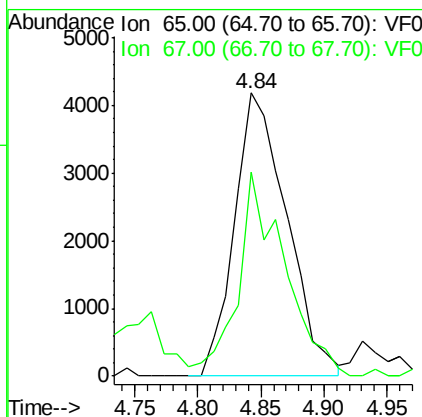
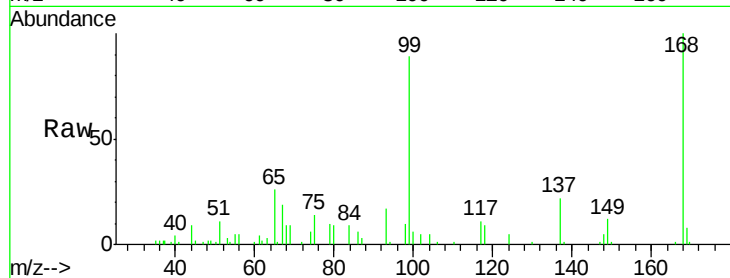




#33
 1,2-Dichloroethane-d4
 Concen: 4.116 ug/l
 RT: 4.84 min Scan# 427
 Delta R.T. -0.01 min
 Lab File: VF061284.D
 Acq: 8 Jan 2019 14:05

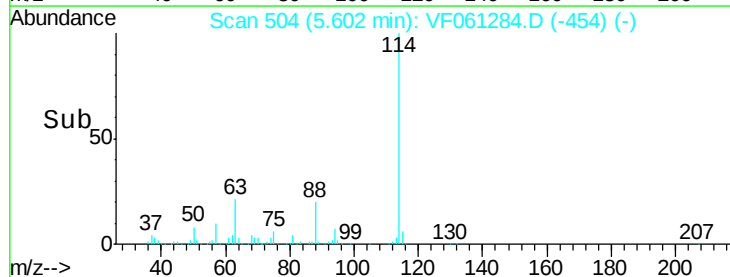
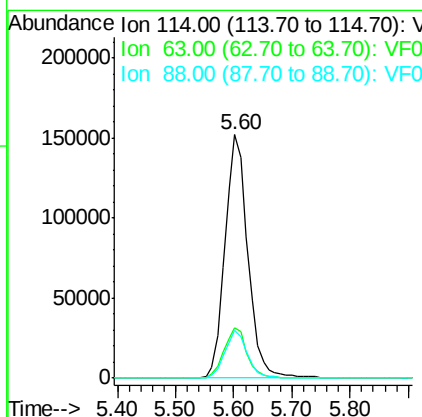
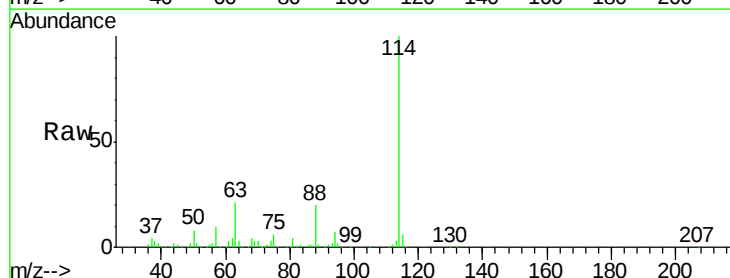
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

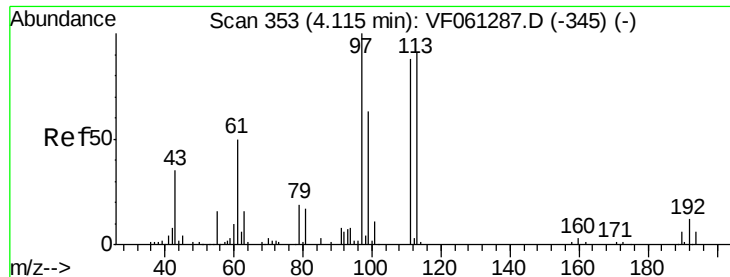
Tot Ion: 65 Resp: 12083
 Ion Ratio Lower Upper
 65 100
 67 72.0 0.0 98.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. -0.00 min
 Lab File: VF061284.D
 Acq: 8 Jan 2019 14:05

Tgt Ion: 114 Resp: 415781
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 42.8
 88 19.6 0.0 40.0

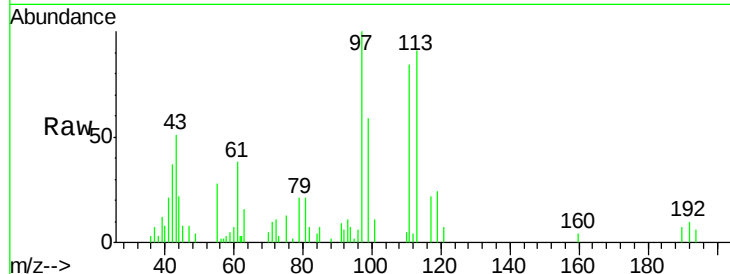




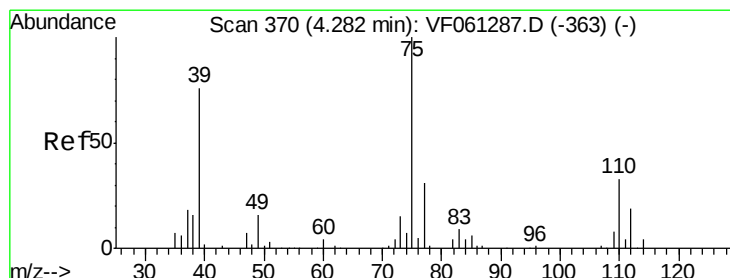
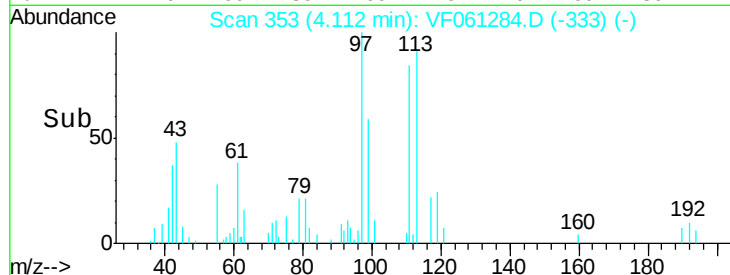
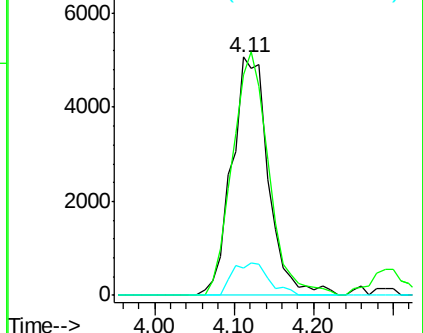
#35
 Dibromofluoromethane
 Concen: 5.054 ug/l
 RT: 4.11 min Scan# 353
 Delta R.T. -0.00 min
 Lab File: VF061284.D
 Acq: 8 Jan 2019 14:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion:113 Resp: 16167
 Ion Ratio Lower Upper
 113 100
 111 92.5 78.0 117.0
 192 11.4 10.6 16.0

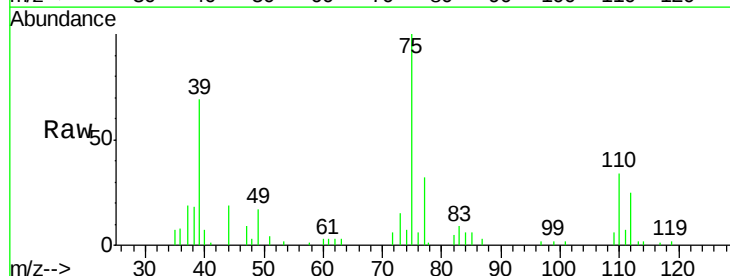


Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

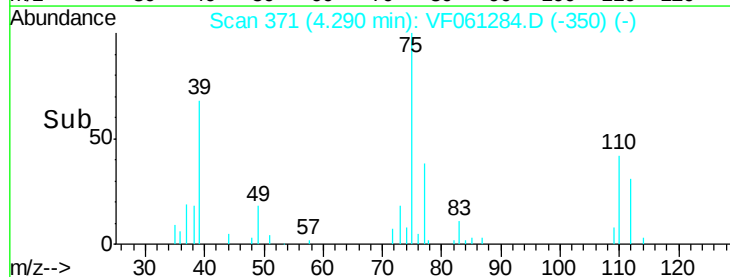
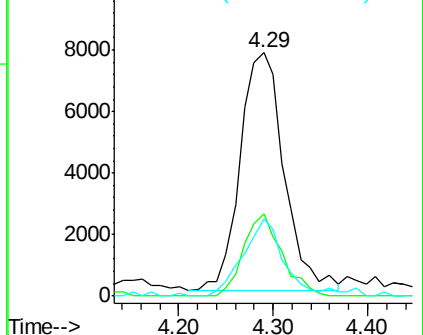


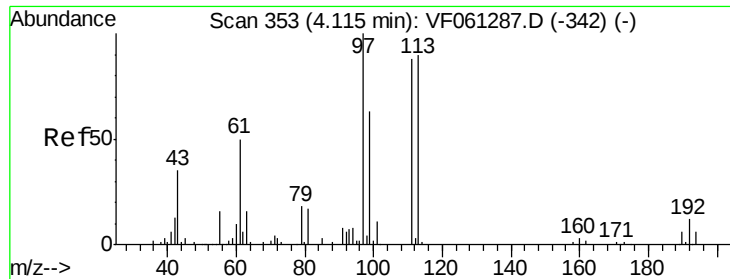
#36
 1,1-Dichloropropene
 Concen: 5.127 ug/l
 RT: 4.29 min Scan# 371
 Delta R.T. 0.01 min
 Lab File: VF061284.D
 Acq: 8 Jan 2019 14:05

Tgt Ion: 75 Resp: 25106
 Ion Ratio Lower Upper
 75 100
 110 33.9 16.6 49.8
 77 31.8 25.1 37.7



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: 4.951 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.01 min

Lab File: VF061284.D

Acq: 8 Jan 2019 14:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

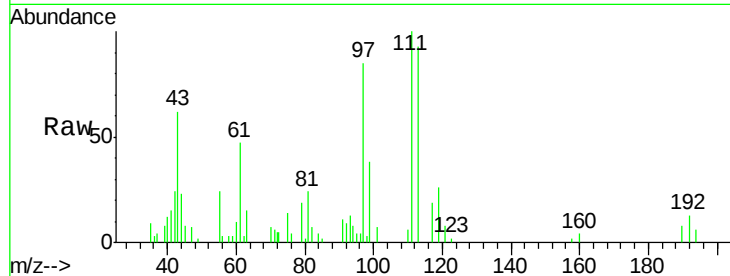
Tot Ion: 43 Resp: 9680

Ion Ratio Lower Upper

43 100

61 76.5 113.3 169.9#

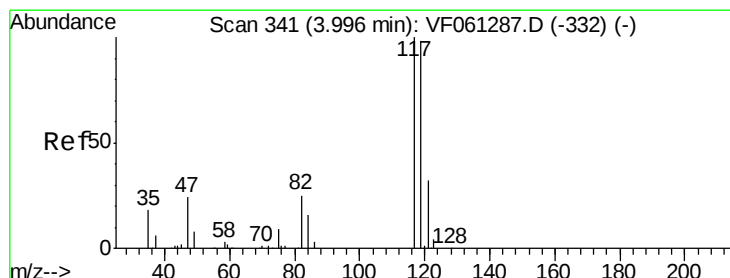
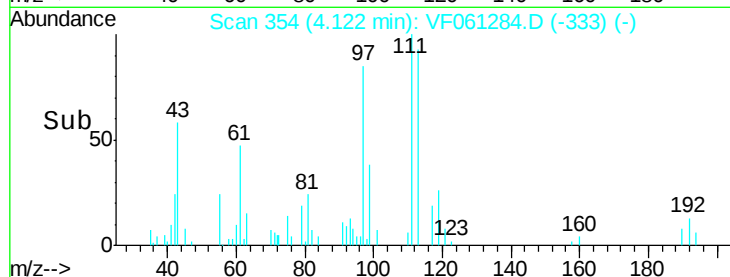
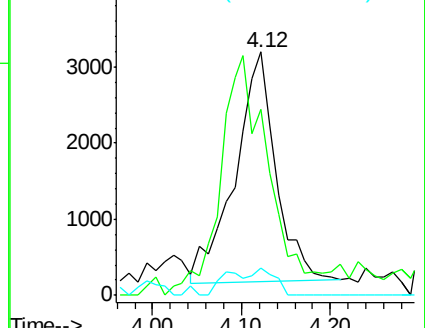
70 11.1 9.4 14.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 4.816 ug/l

RT: 3.98 min Scan# 340

Delta R.T. -0.01 min

Lab File: VF061284.D

Acq: 8 Jan 2019 14:05

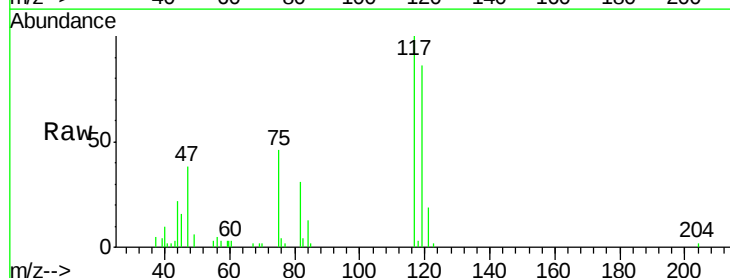
Tgt Ion: 117 Resp: 18879

Ion Ratio Lower Upper

117 100

119 86.3 78.5 117.7

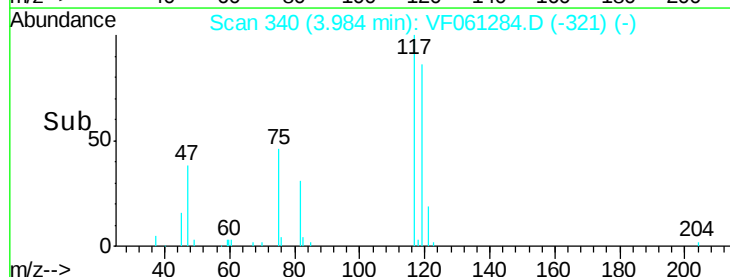
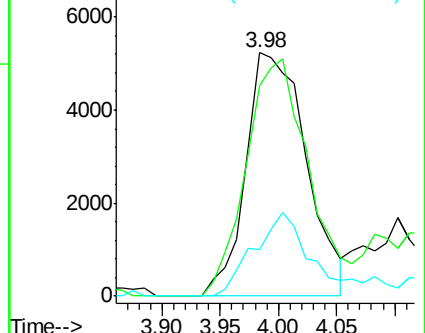
121 19.3 25.3 37.9#

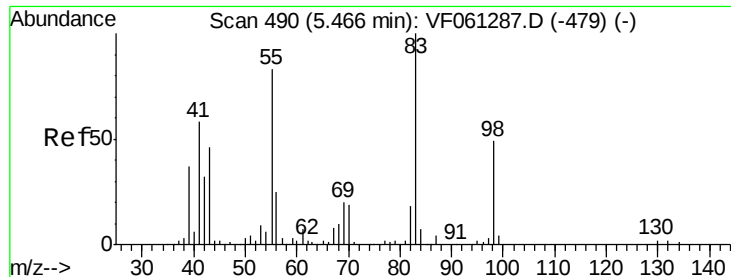


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

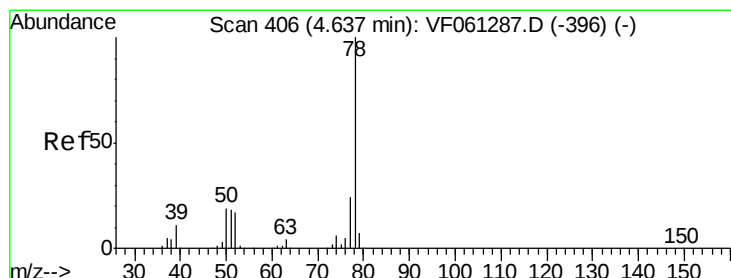
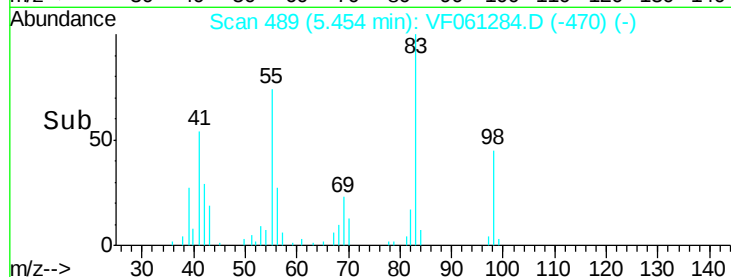
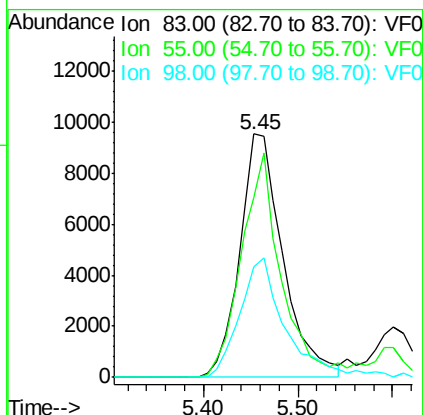
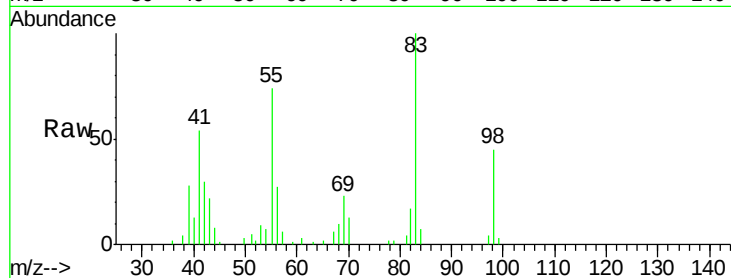




#39
Methvlcvclohexane
Concen: 5.788 ug/l
RT: 5.45 min Scan# 489
Delta R.T. -0.01 min
Lab File: VF061284.D
Acq: 8 Jan 2019 14:05

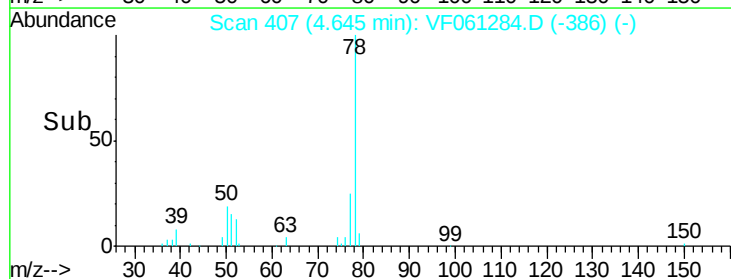
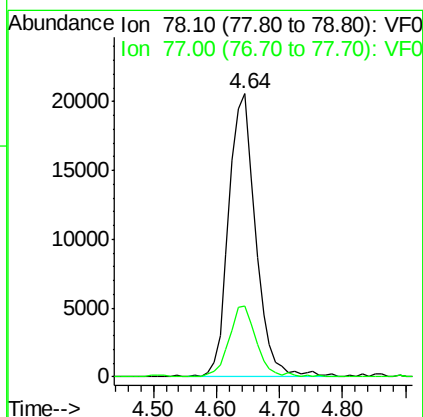
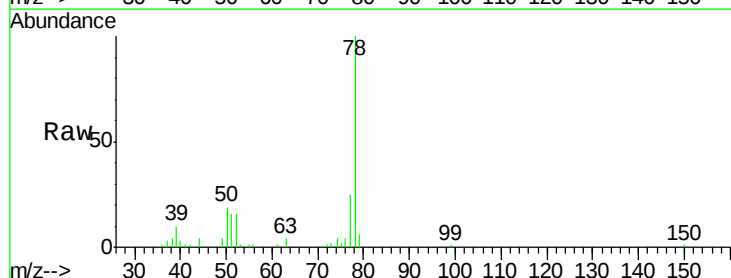
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

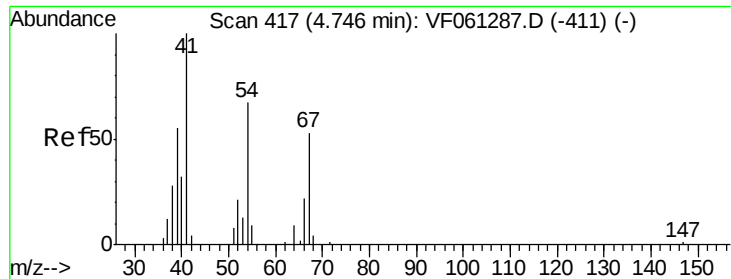
Tot Ion: 83 Resp: 30296
Ion Ratio Lower Upper
83 100
55 73.5 66.4 99.6
98 45.4 39.1 58.7



#40
Benzene
Concen: 5.483 ug/l
RT: 4.64 min Scan# 407
Delta R.T. 0.01 min
Lab File: VF061284.D
Acq: 8 Jan 2019 14:05

Tgt Ion: 78 Resp: 60935
Ion Ratio Lower Upper
78 100
77 24.9 19.1 28.7

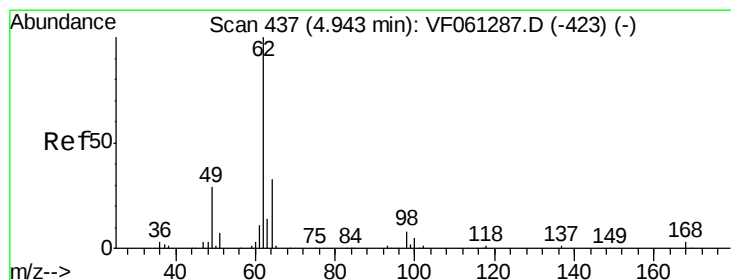
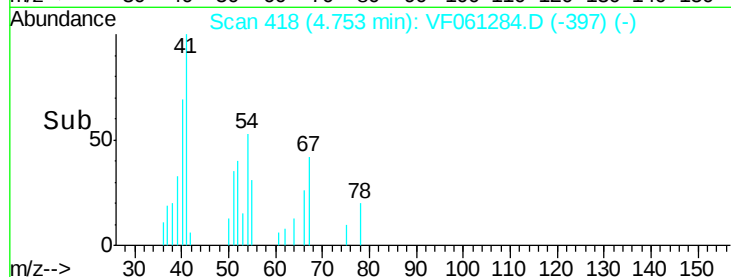
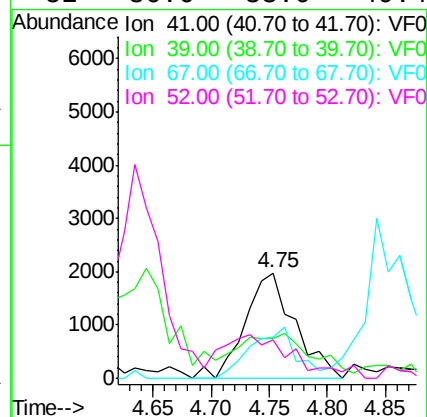
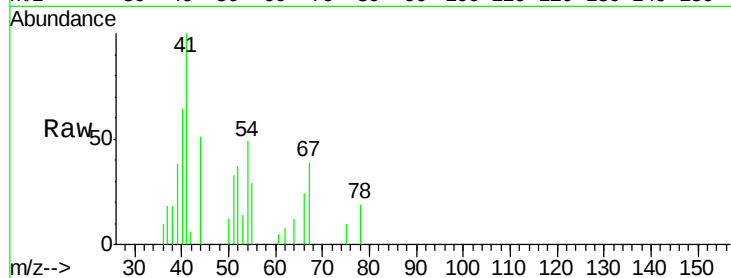




#41
Methacrylonitrile
Concen: 5.258 ug/l
RT: 4.75 min Scan# 418
Delta R.T. 0.01 min
Lab File: VF061284.D
Acq: 8 Jan 2019 14:05

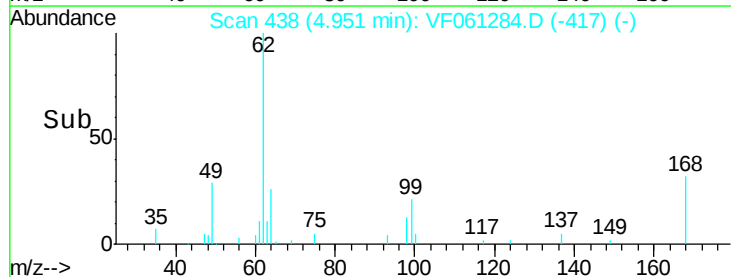
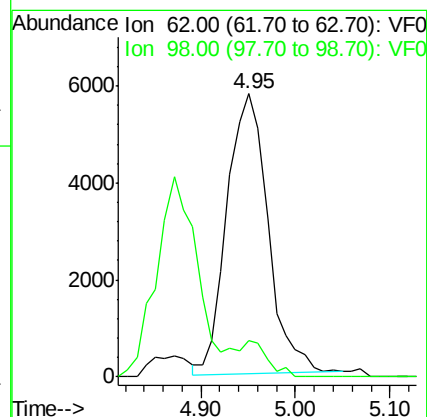
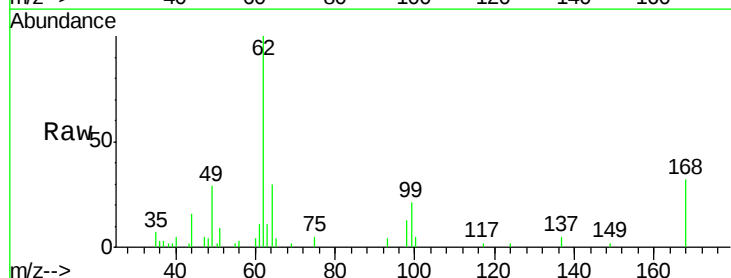
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

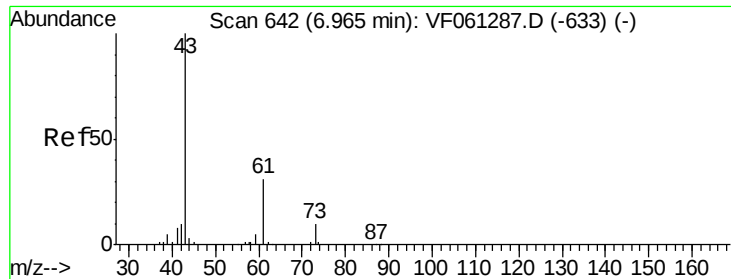
Tot Ion: 41 Resp: 5846
Ion Ratio Lower Upper
41 100
39 37.6 52.7 79.1#
67 38.6 41.4 62.2#
52 36.6 33.0 49.4



#42
1,2-Dichloroethane
Concen: 4.689 ug/l
RT: 4.95 min Scan# 438
Delta R.T. 0.01 min
Lab File: VF061284.D
Acq: 8 Jan 2019 14:05

Tgt Ion: 62 Resp: 17436
Ion Ratio Lower Upper
62 100
98 12.9 0.0 16.8



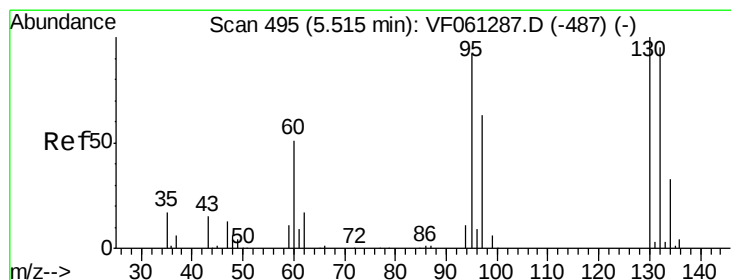
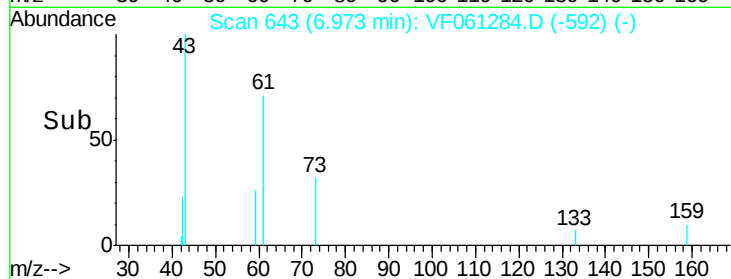
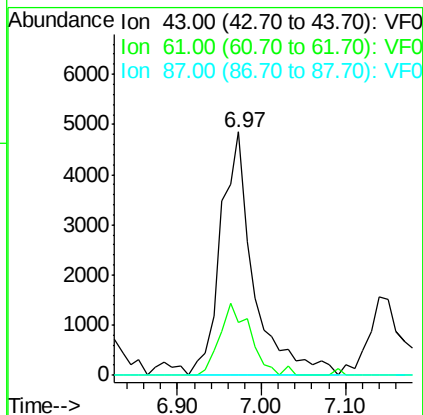
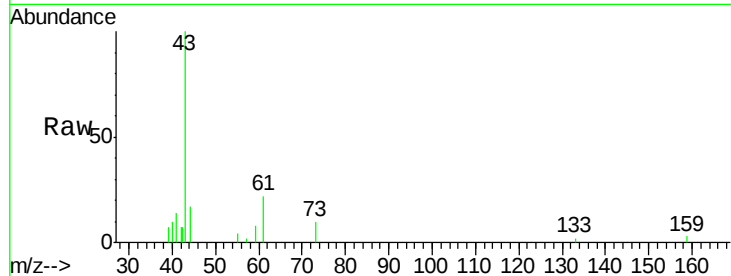


#43

Isopropyl Acetate
 Concen: 5.049 ug/l
 RT: 6.97 min Scan# 643
 Delta R.T. 0.01 min
 Lab File: VF061284.D
 Acq: 8 Jan 2019 14:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

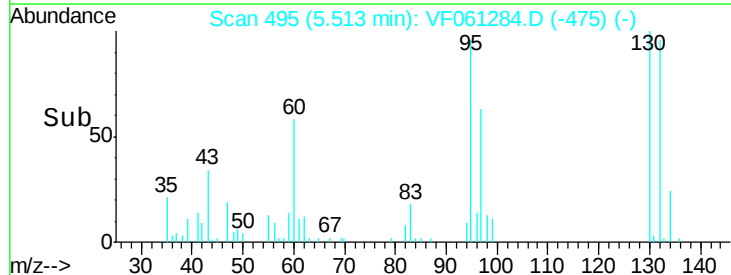
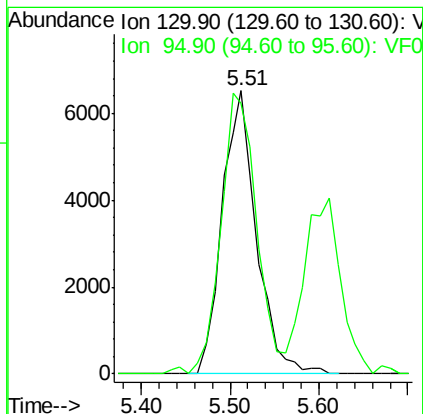
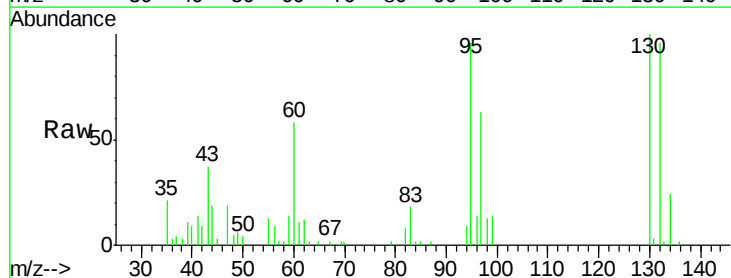
Tot Ion: 43 Resp: 13171
 Ion Ratio Lower Upper
 43 100
 61 21.9 24.3 36.5#
 87 0.0 0.2 0.4#

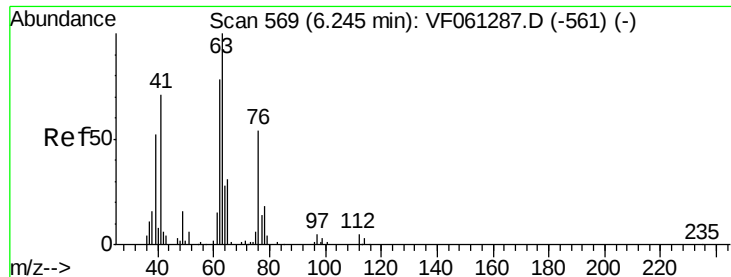


#44

Trichloroethene
 Concen: 5.068 ug/l
 RT: 5.51 min Scan# 495
 Delta R.T. -0.00 min
 Lab File: VF061284.D
 Acq: 8 Jan 2019 14:05

Tgt Ion: 130 Resp: 17532
 Ion Ratio Lower Upper
 130 100
 95 95.6 0.0 184.4





#45

1,2-Dichloropropane

Concen: 4.993 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.00 min

Lab File: VF061284.D

Acq: 8 Jan 2019 14:05

Instrument :

MSVOA_F

ClientSampleId :

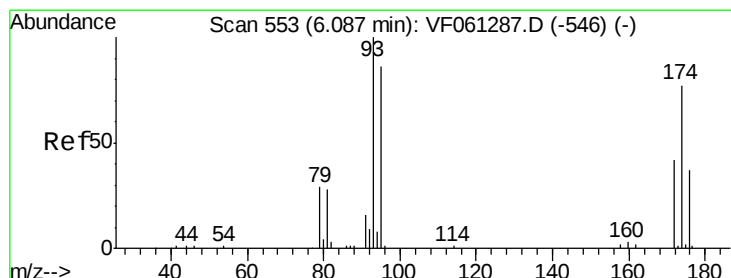
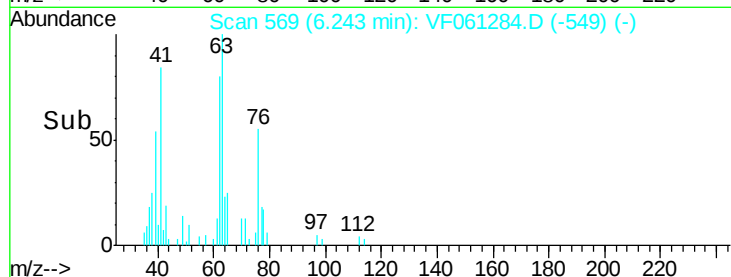
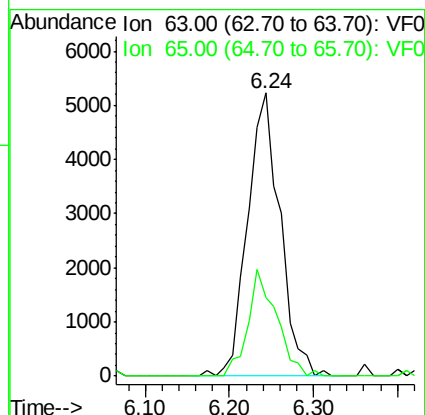
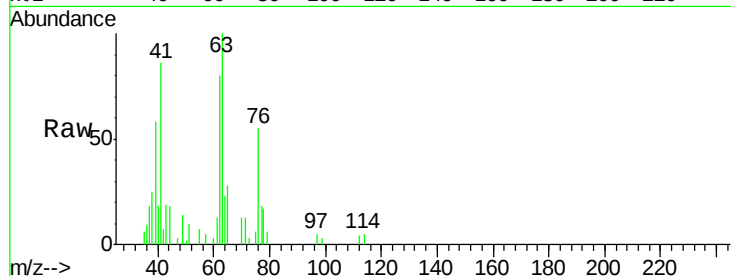
VSTDIC005

Tot Ion: 63 Resp: 14166

Ion Ratio Lower Upper

63 100

65 27.8 25.1 37.7



#46

Dibromomethane

Concen: 4.417 ug/l

RT: 6.09 min Scan# 554

Delta R.T. 0.01 min

Lab File: VF061284.D

Acq: 8 Jan 2019 14:05

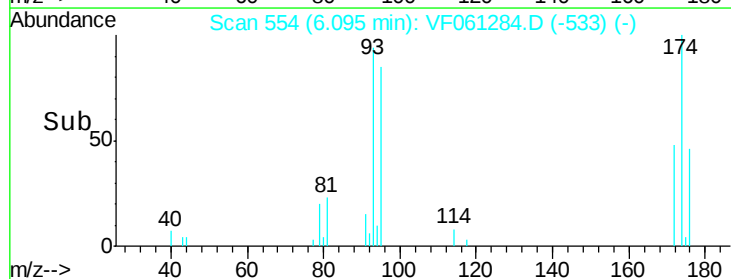
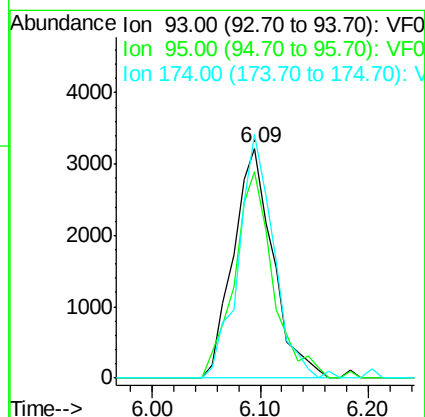
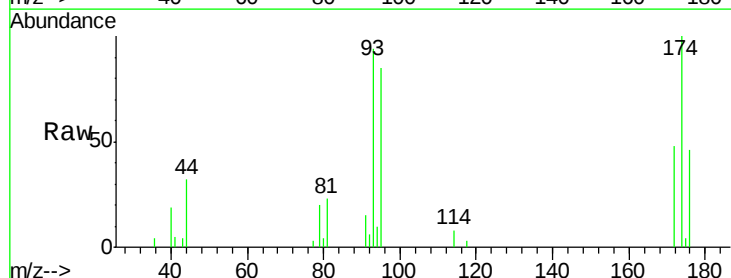
Tgt Ion: 93 Resp: 8246

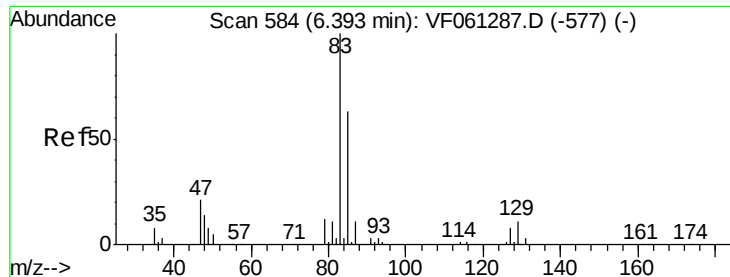
Ion Ratio Lower Upper

93 100

95 89.8 68.8 103.2

174 109.9 62.9 94.3#





#47

Bromodichloromethane

Concen: 4.531 ug/l

RT: 6.39 min Scan# 584

Delta R.T. -0.00 min

Lab File: VF061284.D

Acq: 8 Jan 2019 14:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

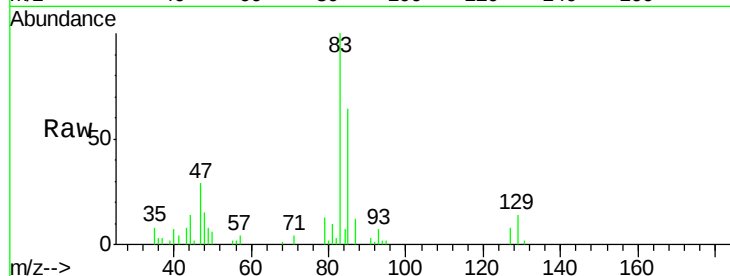
Tot Ion: 83 Resp: 21533

Ion Ratio Lower Upper

83 100

85 64.3 50.4 75.6

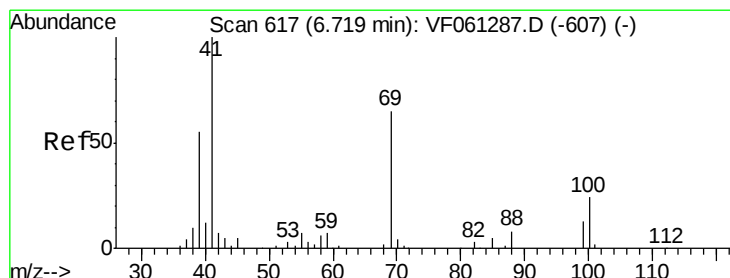
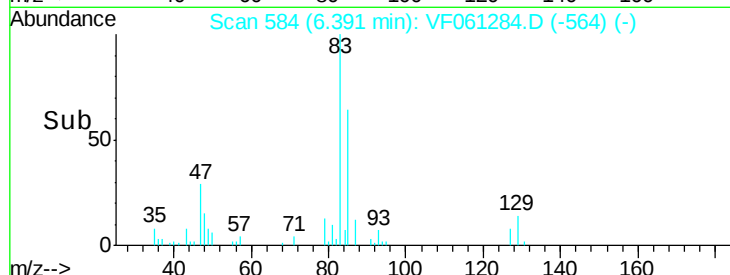
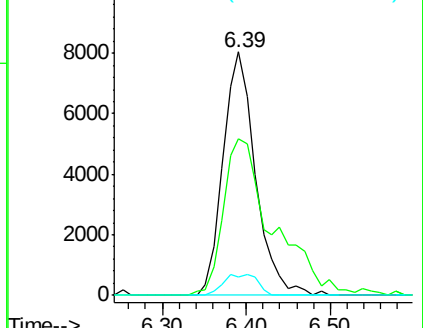
127 7.5 6.4 9.6



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: 4.034 ug/l

RT: 6.72 min Scan# 617

Delta R.T. -0.00 min

Lab File: VF061284.D

Acq: 8 Jan 2019 14:05

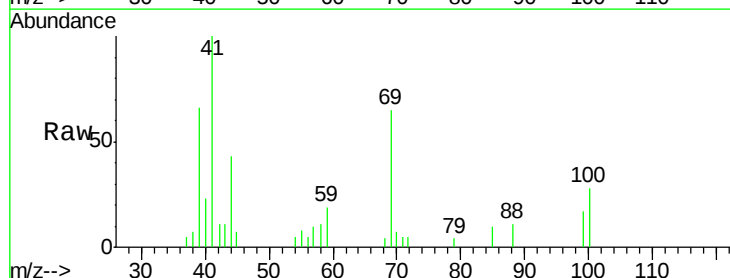
Tgt Ion: 41 Resp: 6815

Ion Ratio Lower Upper

41 100

69 64.9 51.5 77.3

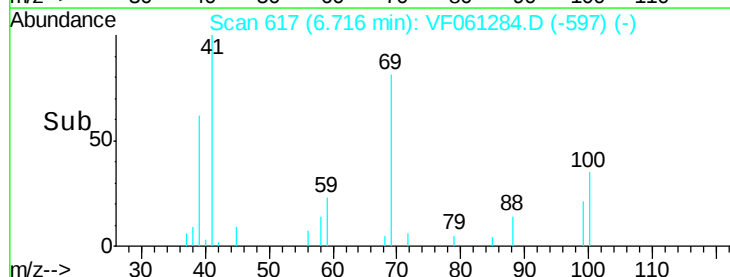
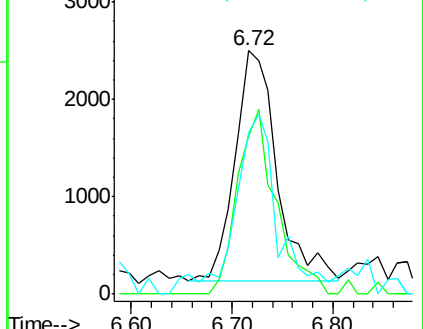
39 66.3 44.1 66.1#

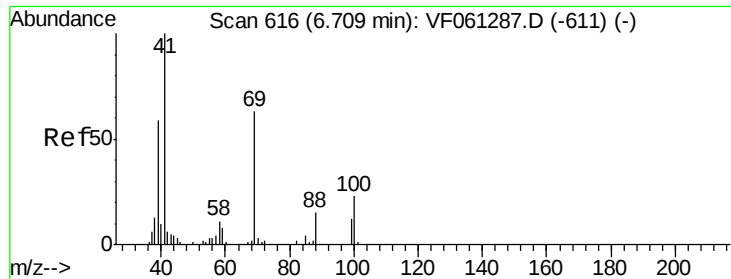


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

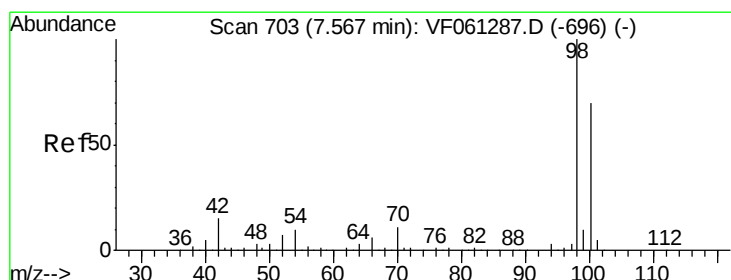
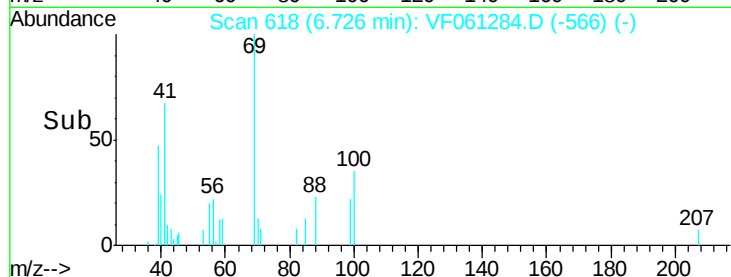
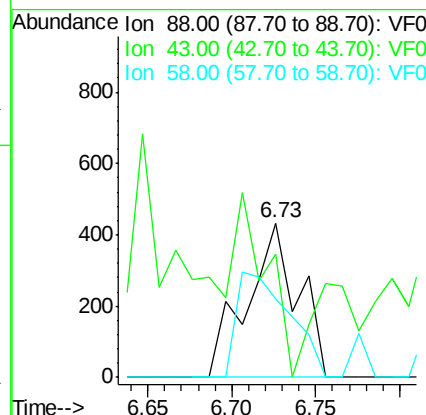
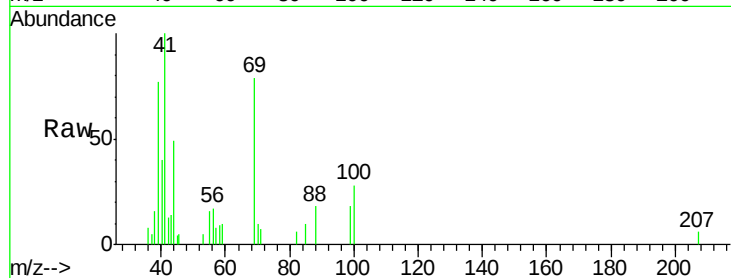




#49
1,4-Dioxane
Concen: 77.745 ug/l
RT: 6.73 min Scan# 618
Delta R.T. 0.02 min
Lab File: VF061284.D
Acq: 8 Jan 2019 14:05

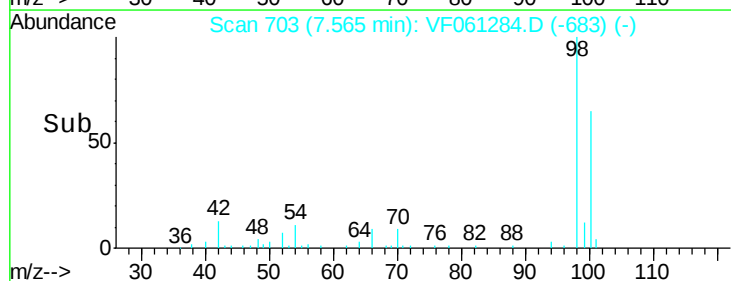
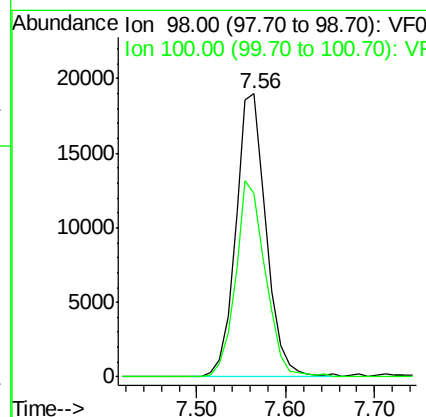
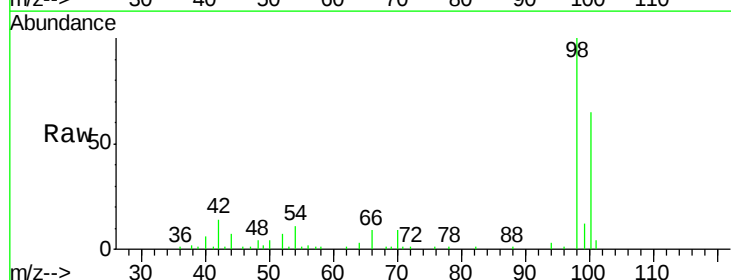
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

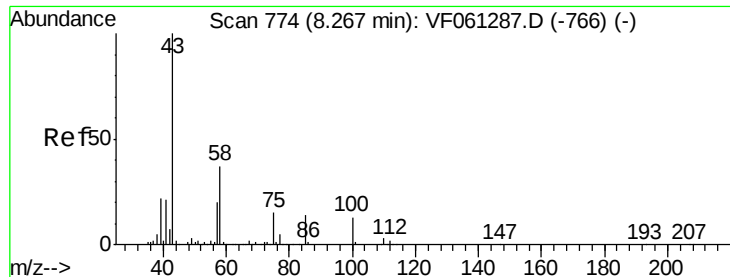
Tot Ion: 88 Resp: 910
Ion Ratio Lower Upper
88 100
43 79.9 38.5 57.7#
58 50.8 57.0 85.4#



#50
Toluene-d8
Concen: 4.752 ug/l
RT: 7.56 min Scan# 703
Delta R.T. -0.00 min
Lab File: VF061284.D
Acq: 8 Jan 2019 14:05

Tgt Ion: 98 Resp: 45108
Ion Ratio Lower Upper
98 100
100 64.8 55.6 83.4





#51

4-Methyl-2-Pentanone

Concen: 25.783 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.00 min

Lab File: VF061284.D

Acq: 8 Jan 2019 14:05

Instrument :

MSVOA_F

ClientSampleId :

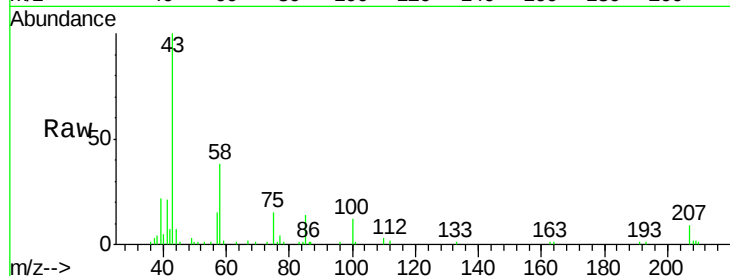
VSTDIC005

Tot Ion: 43 Resp: 46716

Ion Ratio Lower Upper

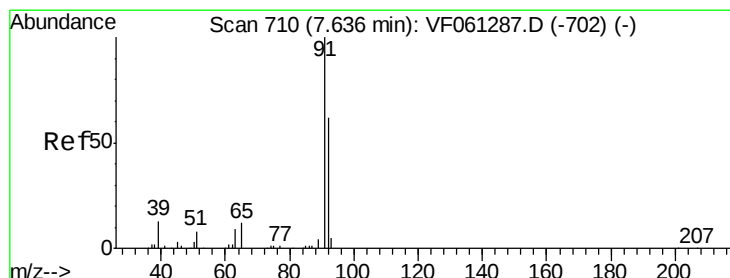
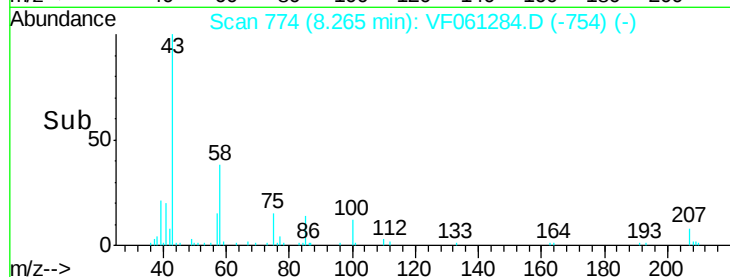
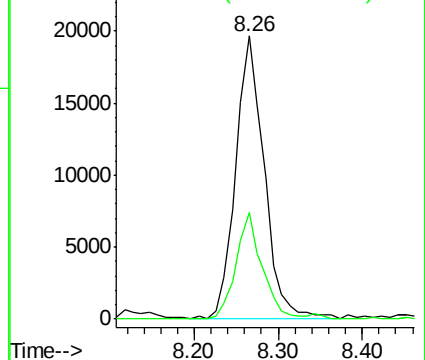
43 100

58 37.6 29.6 44.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 5.150 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.00 min

Lab File: VF061284.D

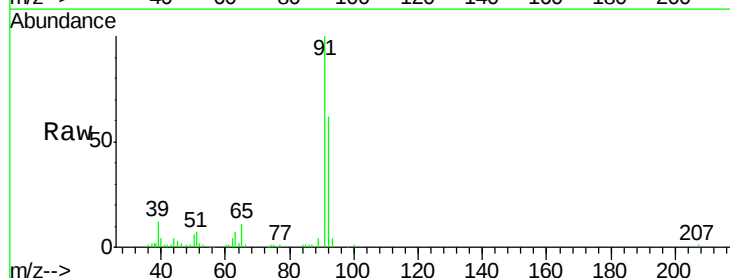
Acq: 8 Jan 2019 14:05

Tgt Ion: 92 Resp: 37375

Ion Ratio Lower Upper

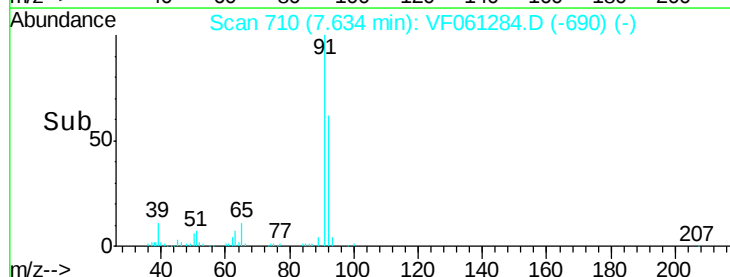
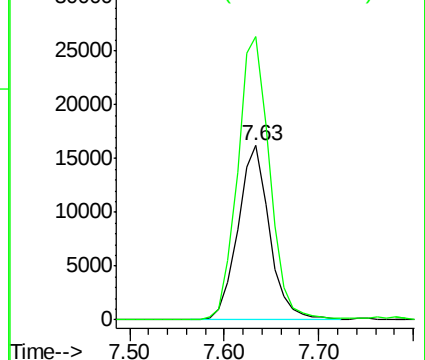
92 100

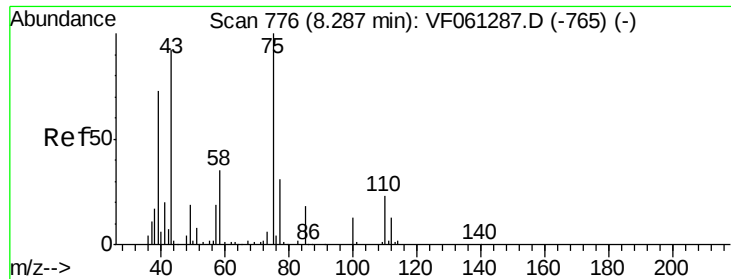
91 162.2 129.2 193.8



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: 4.556 ug/l

RT: 8.28 min Scan# 776

Delta R.T. -0.00 min

Lab File: VF061284.D

Acq: 8 Jan 2019 14:05

Instrument :

MSVOA_F

ClientSampleId :

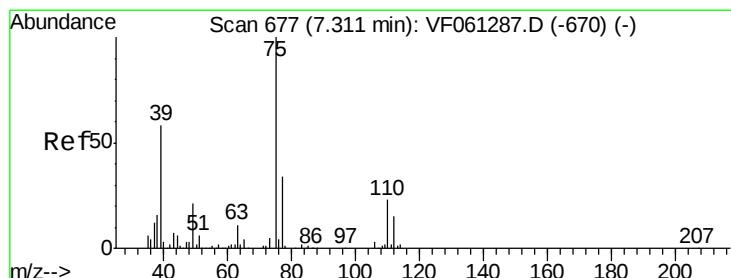
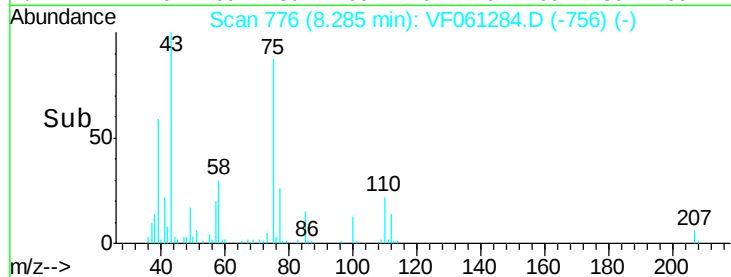
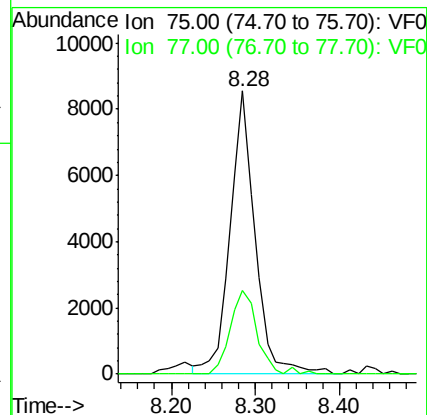
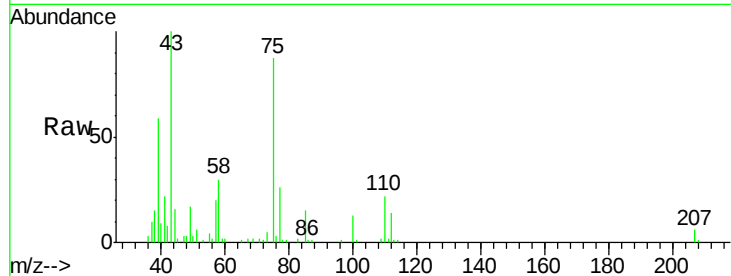
VSTDIC005

Tot Ion: 75 Resp: 17651

Ion Ratio Lower Upper

75 100

77 29.7 24.7 37.1



#54

cis-1,3-Dichloropropene

Concen: 4.558 ug/l

RT: 7.31 min Scan# 677

Delta R.T. -0.00 min

Lab File: VF061284.D

Acq: 8 Jan 2019 14:05

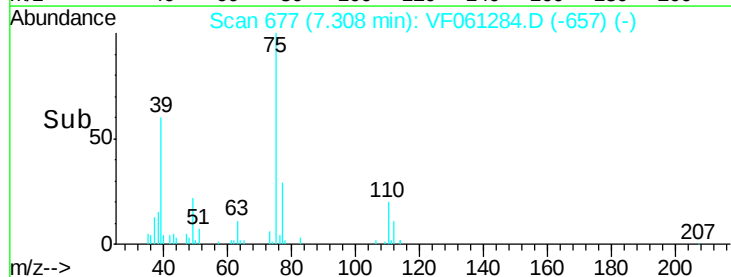
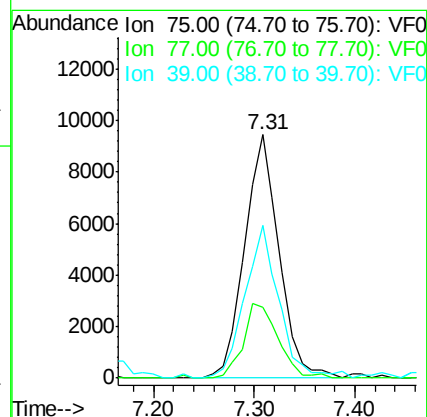
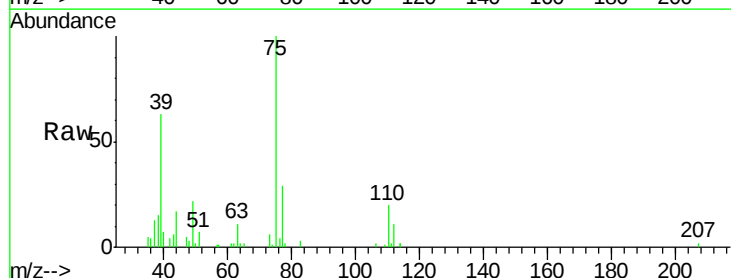
Tgt Ion: 75 Resp: 22444

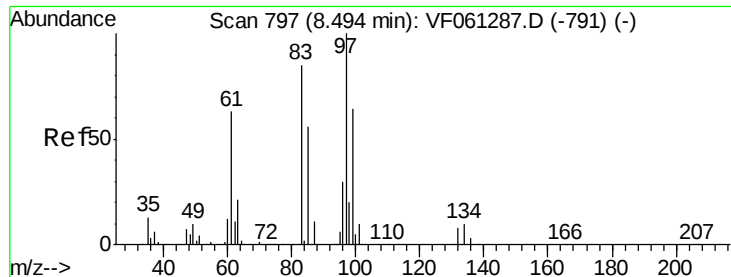
Ion Ratio Lower Upper

75 100

77 29.3 27.3 40.9

39 62.5 46.3 69.5





#55

1,1,2-Trichloroethane

Concen: 5.033 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.00 min

Lab File: VF061284.D

Acq: 8 Jan 2019 14:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 97 Resp: 10503

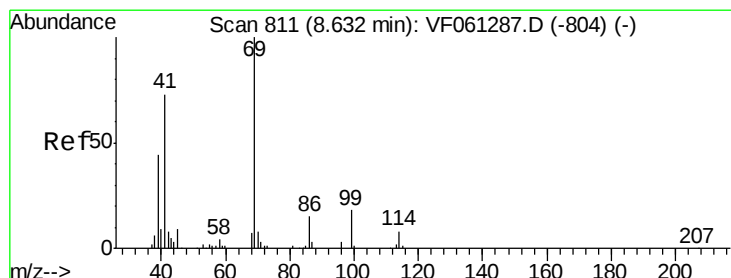
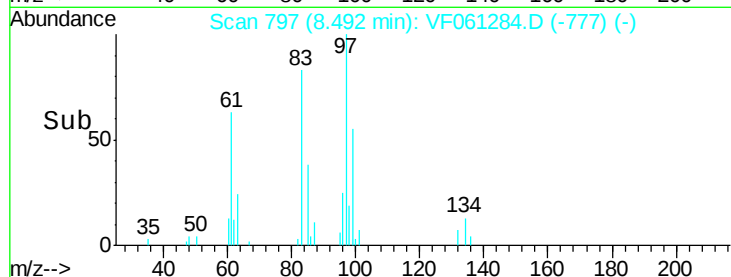
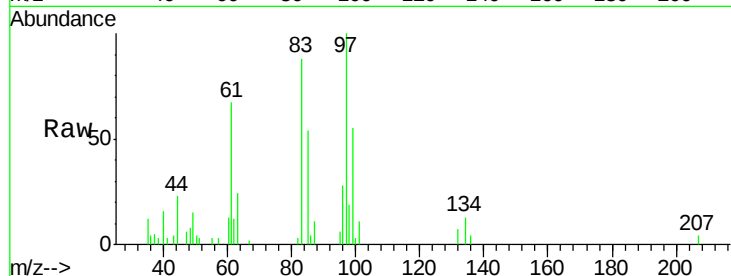
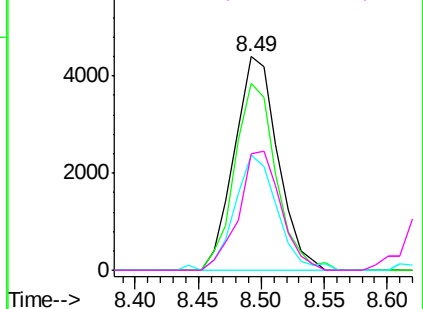
Ion	Ratio	Lower	Upper
97	100		
83	87.6	67.8	101.6
85	54.1	45.1	67.7
99	54.7	51.0	76.6

Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 4.695 ug/l

RT: 8.62 min Scan# 810

Delta R.T. -0.01 min

Lab File: VF061284.D

Acq: 8 Jan 2019 14:05

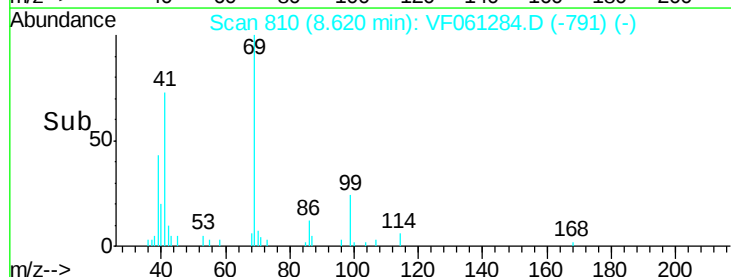
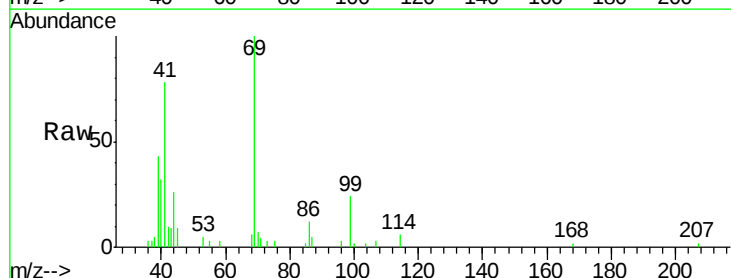
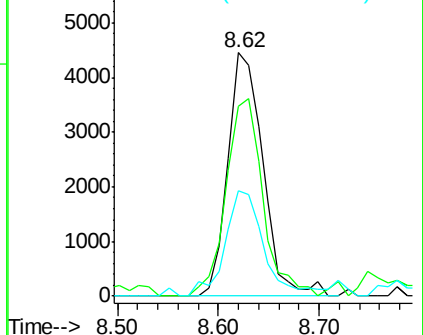
Tgt Ion: 69 Resp: 10828

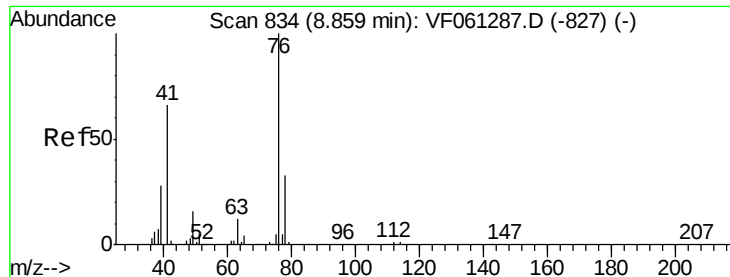
Ion	Ratio	Lower	Upper
69	100		
41	77.8	59.0	88.4
39	43.1	35.3	52.9

Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 4.694 ug/l

RT: 8.86 min Scan# 834

Delta R.T. -0.00 min

Lab File: VF061284.D

Acq: 8 Jan 2019 14:05

Instrument :

MSVOA_F

ClientSampleId :

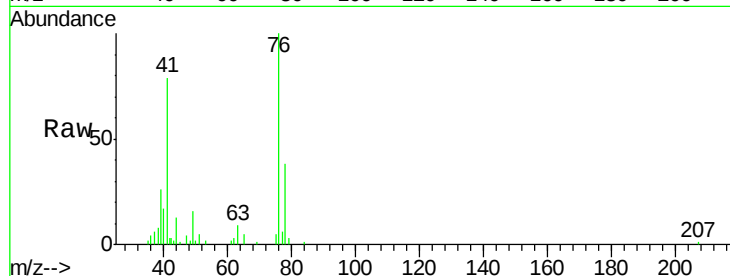
VSTDIC005

Tot Ion: 76 Resp: 18415

Ion Ratio Lower Upper

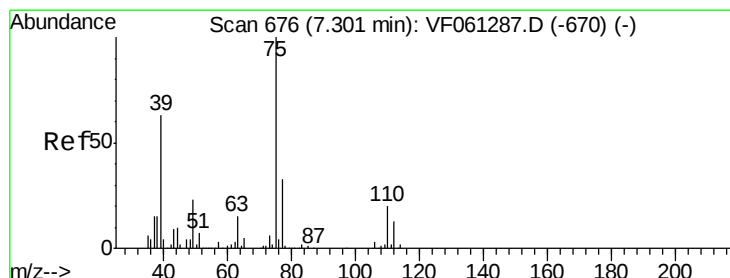
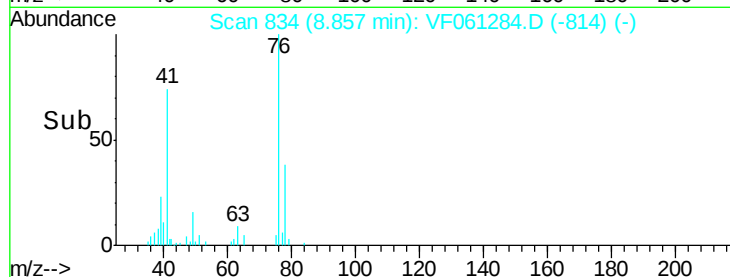
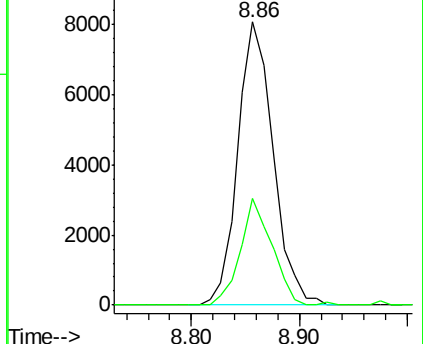
76 100

78 37.5 26.8 40.2



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 9.048 ug/l

RT: 7.31 min Scan# 677

Delta R.T. 0.01 min

Lab File: VF061284.D

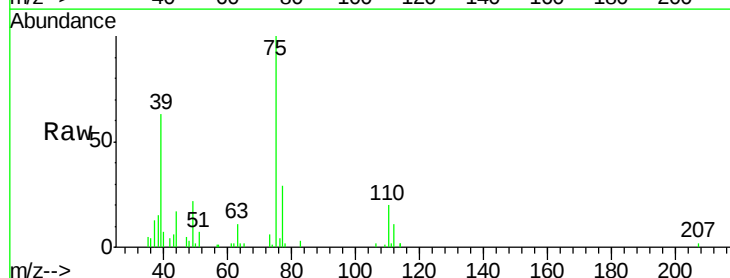
Acq: 8 Jan 2019 14:05

Tgt Ion: 63 Resp: 2534

Ion Ratio Lower Upper

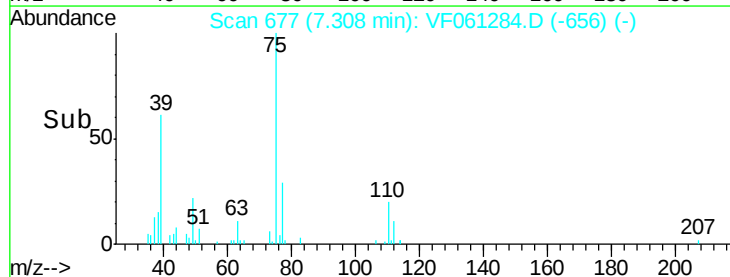
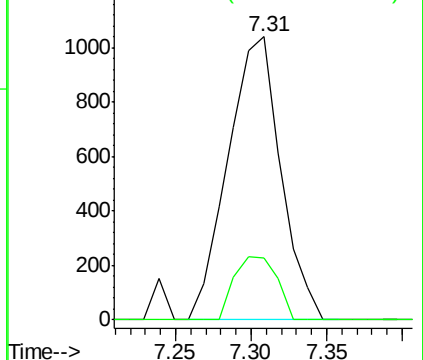
63 100

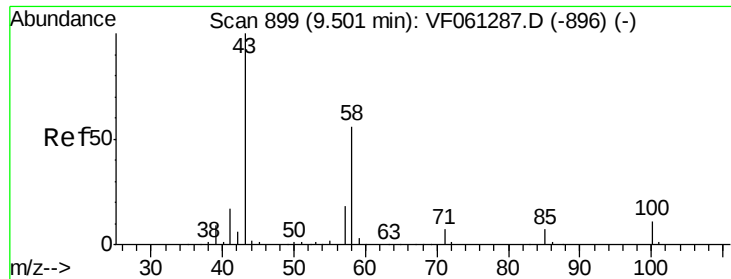
106 22.1 16.5 24.7



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

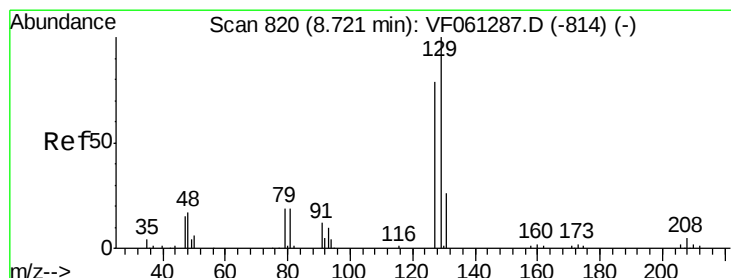
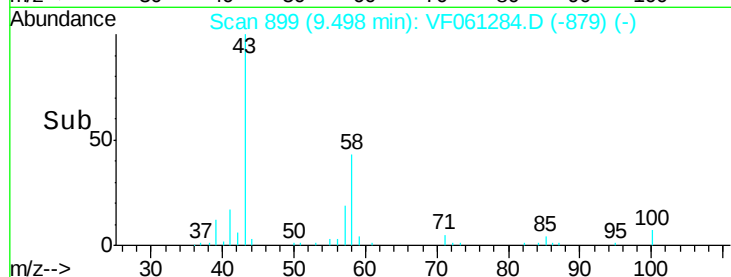
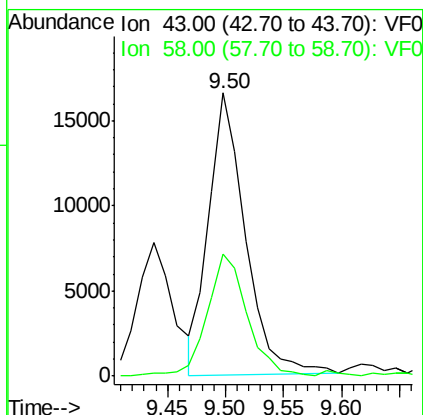
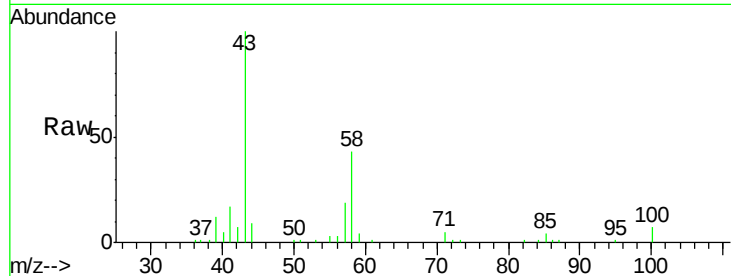




#59
2-Hexanone
Concen: 27.643 ug/l
RT: 9.50 min Scan# 899
Delta R.T. -0.00 min
Lab File: VF061284.D
Acq: 8 Jan 2019 14:05

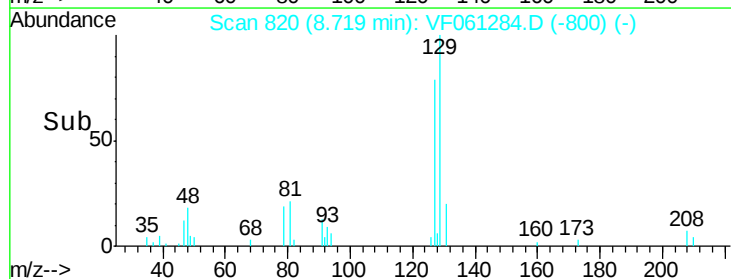
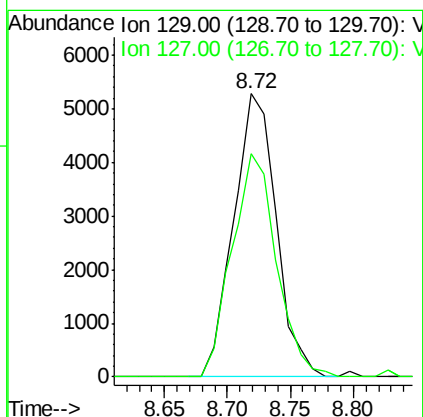
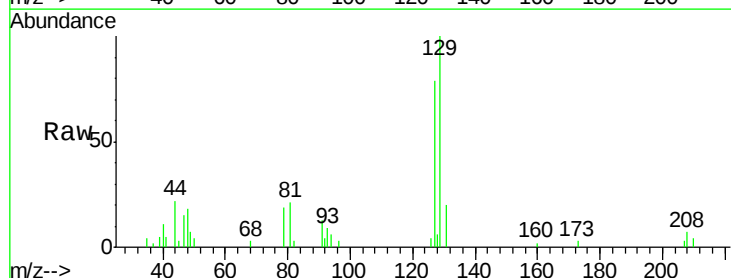
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

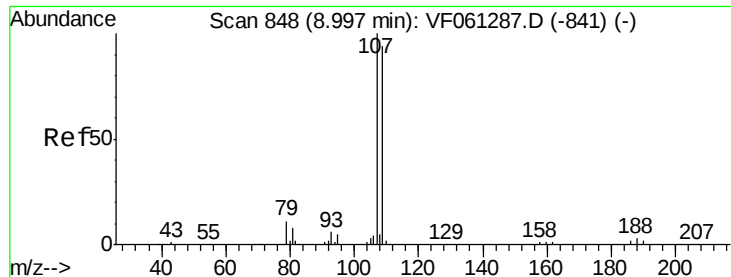
Tot Ion: 43 Resp: 36260
Ion Ratio Lower Upper
43 100
58 43.0 25.6 76.8



#60
Dibromochloromethane
Concen: 4.178 ug/l
RT: 8.72 min Scan# 820
Delta R.T. -0.00 min
Lab File: VF061284.D
Acq: 8 Jan 2019 14:05

Tgt Ion:129 Resp: 12385
Ion Ratio Lower Upper
129 100
127 79.0 39.4 118.1





#61

1,2-Dibromoethane

Concen: 4.500 ug/l

RT: 8.99 min Scan# 847

Delta R.T. -0.01 min

Lab File: VF061284.D

Acq: 8 Jan 2019 14:05

Instrument :

MSVOA_F

ClientSampleId :

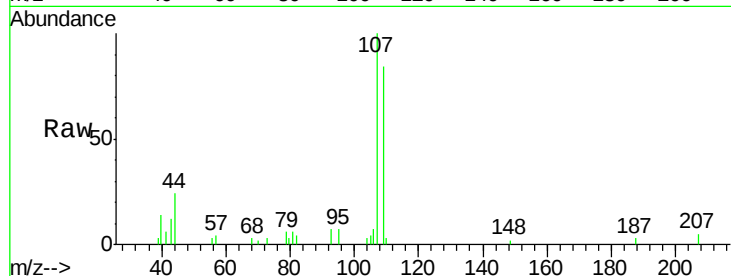
VSTDIC005

Tot Ion:107 Resp: 10136

Ion Ratio Lower Upper

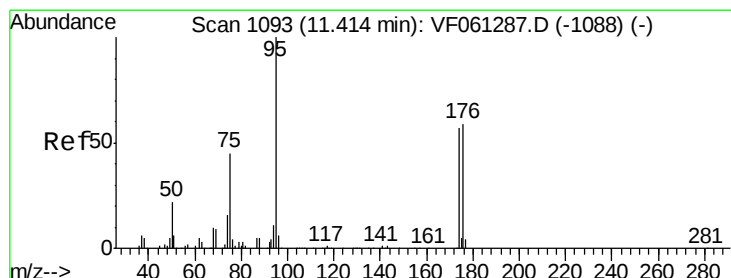
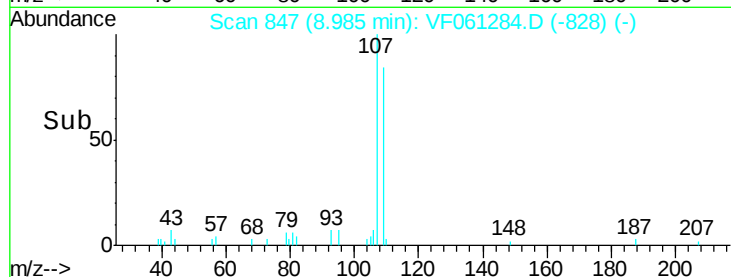
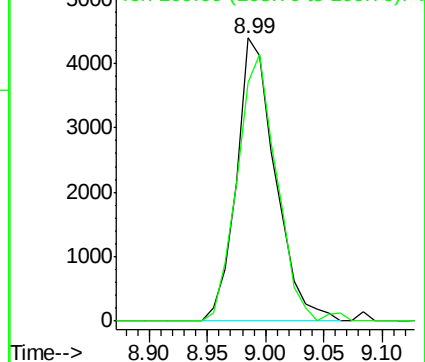
107 100

109 84.2 75.1 112.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 5.256 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VF061284.D

Acq: 8 Jan 2019 14:05

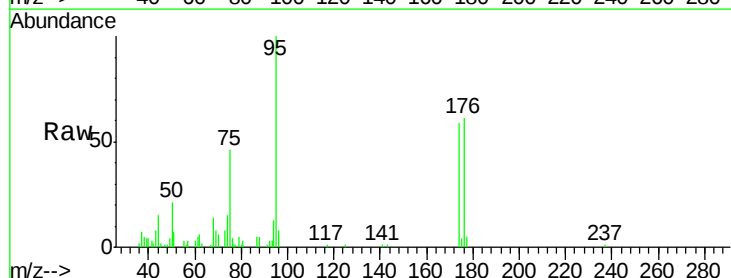
Tgt Ion: 95 Resp: 22107

Ion Ratio Lower Upper

95 100

174 59.1 0.0 114.2

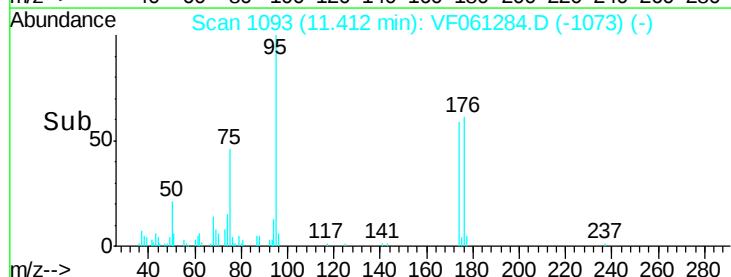
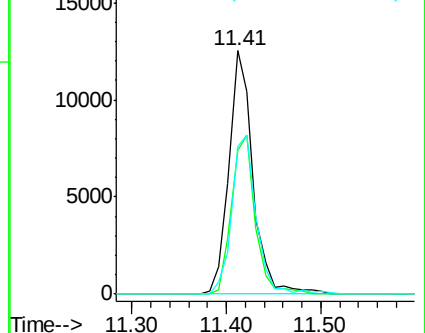
176 60.6 0.0 117.8

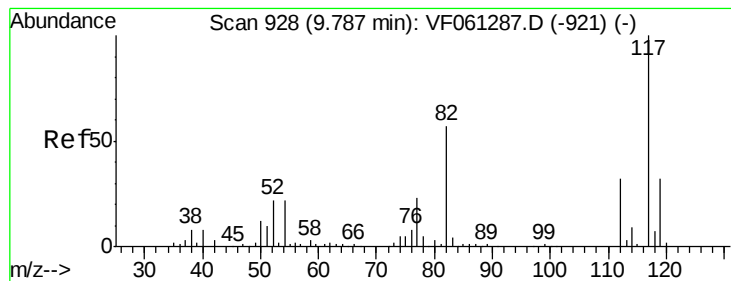


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.78 min Scan# 928

Delta R.T. -0.00 min

Lab File: VF061284.D

Acq: 8 Jan 2019 14:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

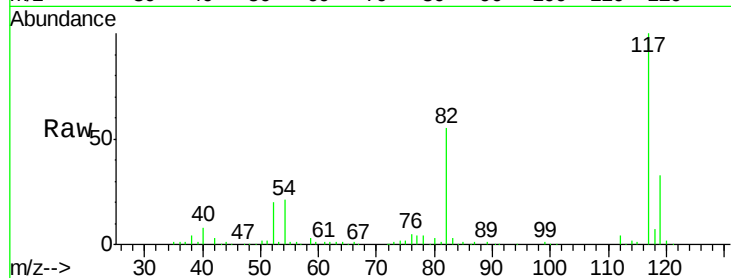
Tot Ion:117 Resp: 366445

Ion Ratio Lower Upper

117 100

82 55.4 45.3 67.9

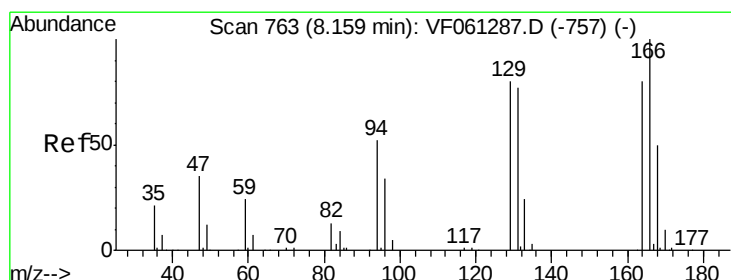
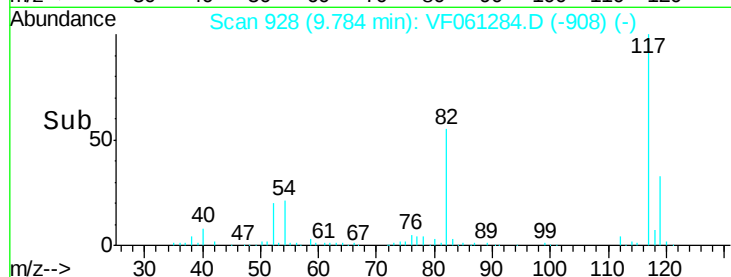
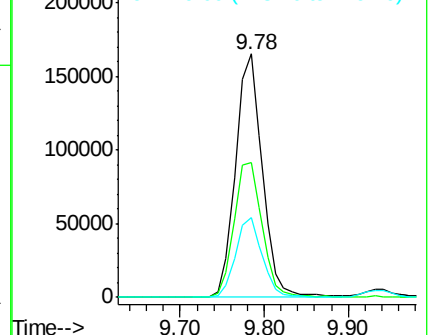
119 32.8 25.4 38.0



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: 4.893 ug/l

RT: 8.16 min Scan# 763

Delta R.T. -0.00 min

Lab File: VF061284.D

Acq: 8 Jan 2019 14:05

Tgt Ion:164 Resp: 13741

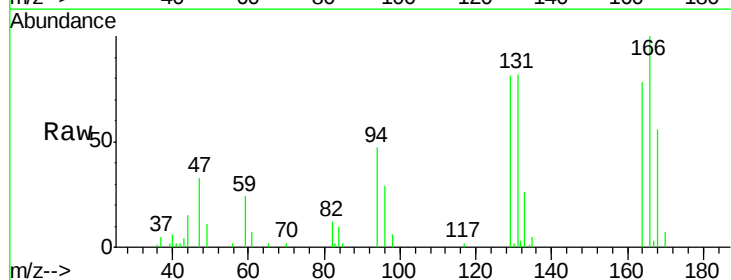
Ion Ratio Lower Upper

164 100

166 127.7 100.1 150.1

129 103.6 80.1 120.1

131 104.1 76.7 115.1

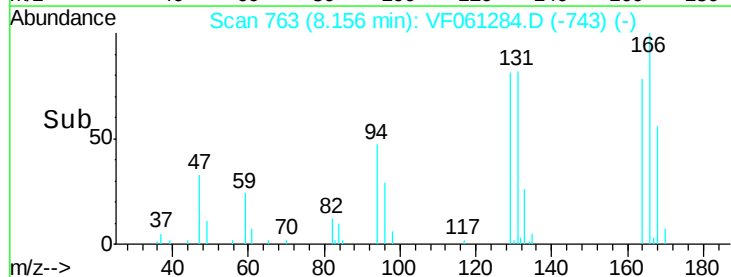
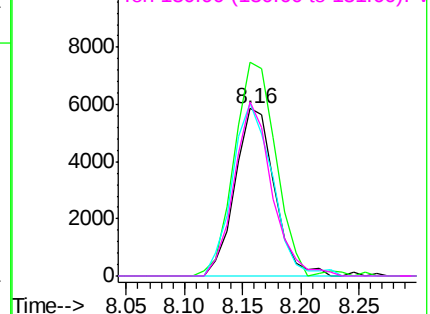


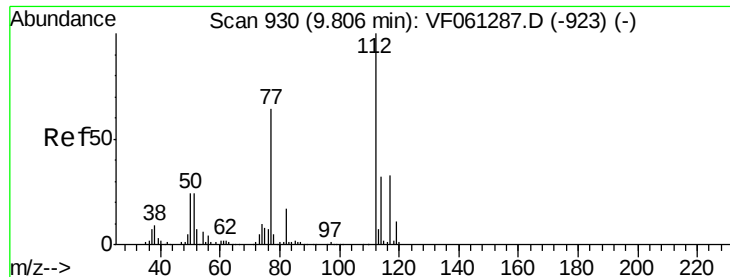
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V

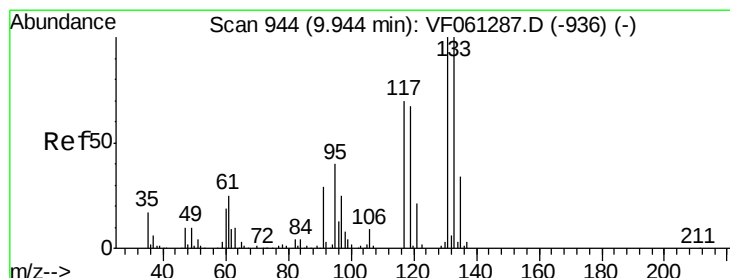
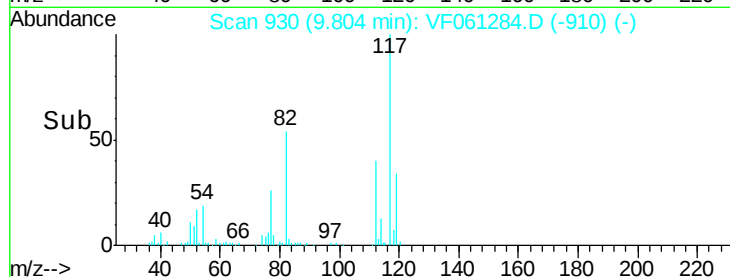
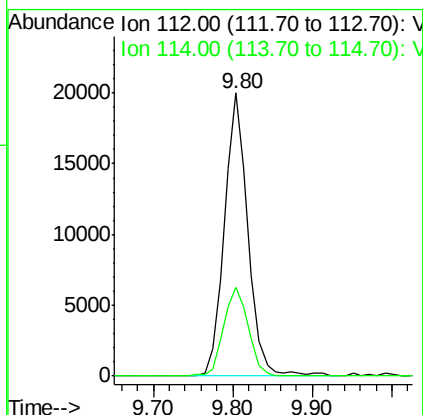
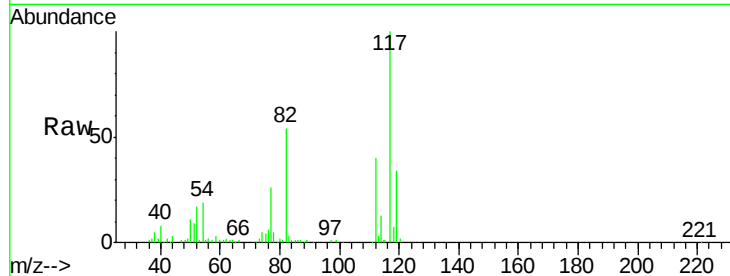




#65
Chlorobenzene
Concen: 5.578 ug/l
RT: 9.80 min Scan# 930
Delta R.T. -0.00 min
Lab File: VF061284.D
Acq: 8 Jan 2019 14:05

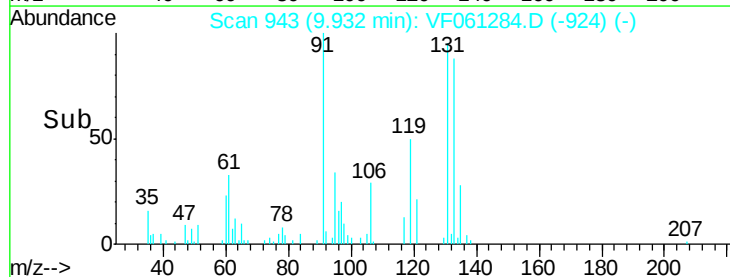
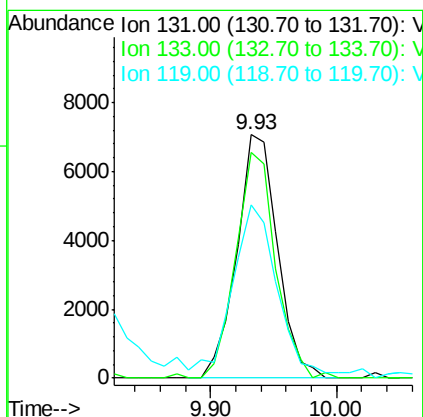
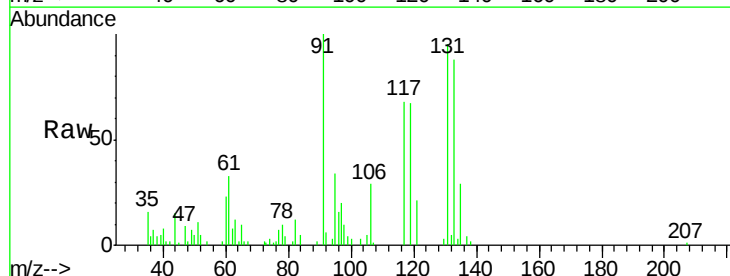
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

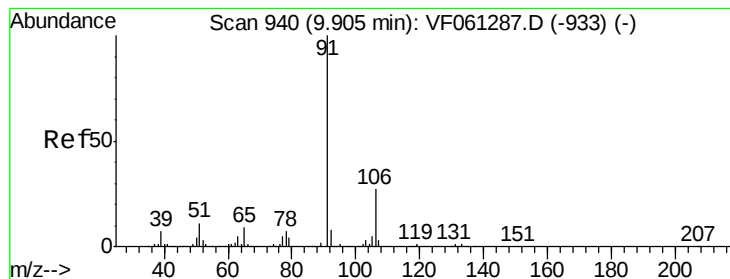
Tot Ion:112 Resp: 41563
Ion Ratio Lower Upper
112 100
114 31.3 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 5.161 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.01 min
Lab File: VF061284.D
Acq: 8 Jan 2019 14:05

Tgt Ion:131 Resp: 15792
Ion Ratio Lower Upper
131 100
133 92.7 49.9 149.6
119 70.9 33.9 101.6





#67

Ethyl Benzene

Concen: 5.456 ug/l

RT: 9.90 min Scan# 940

Delta R.T. -0.00 min

Lab File: VF061284.D

Acq: 8 Jan 2019 14:05

Instrument :

MSVOA_F

ClientSampleId :

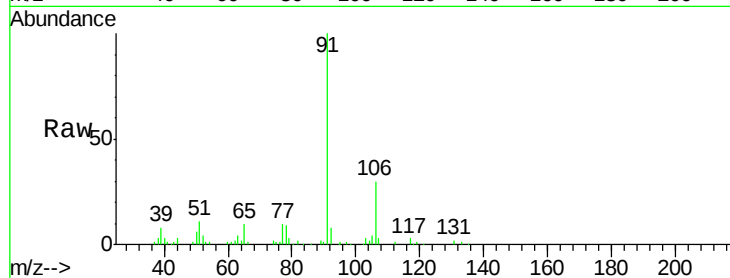
VSTDIC005

Tot Ion: 91 Resp: 74736

Ion Ratio Lower Upper

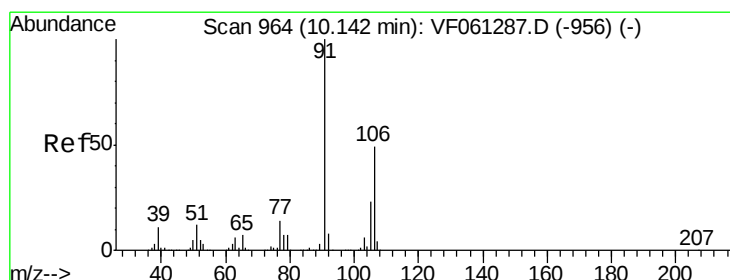
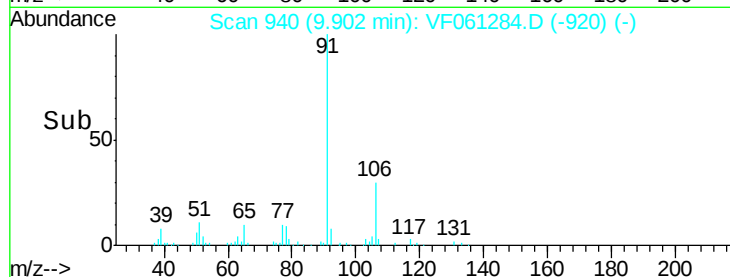
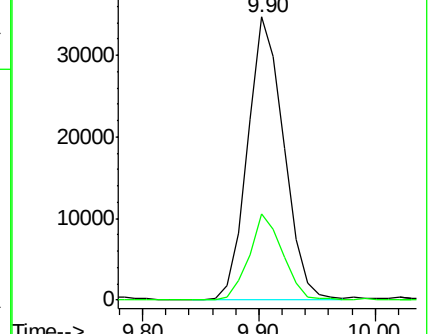
91 100

106 30.3 21.4 32.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 11.401 ug/l

RT: 10.14 min Scan# 964

Delta R.T. -0.00 min

Lab File: VF061284.D

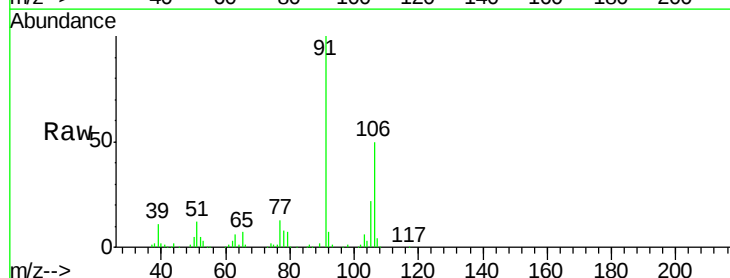
Acq: 8 Jan 2019 14:05

Tgt Ion: 106 Resp: 56993

Ion Ratio Lower Upper

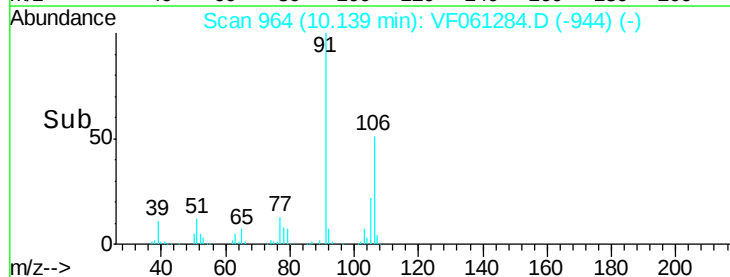
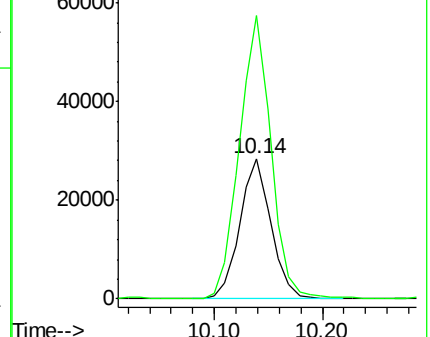
106 100

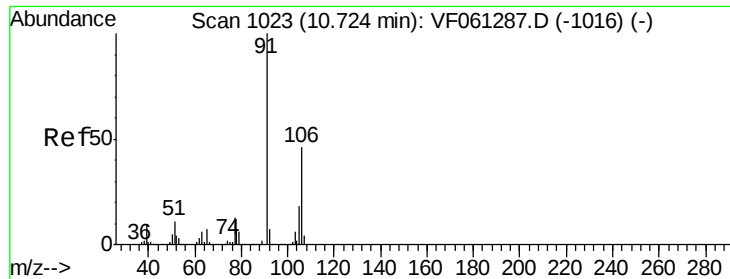
91 201.2 165.0 247.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

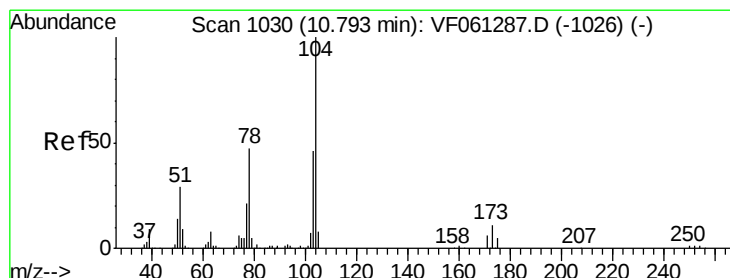
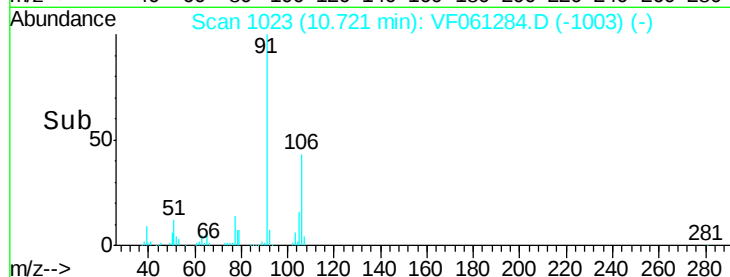
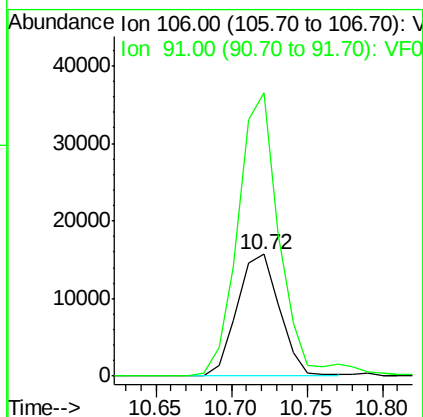
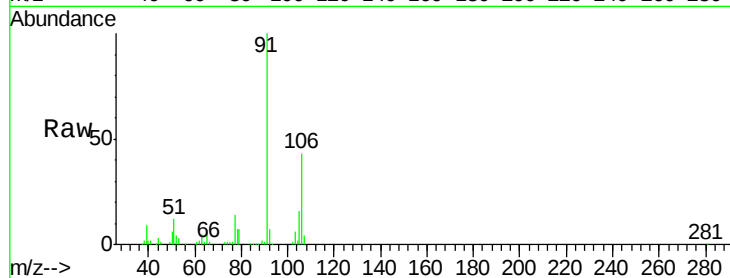




#69
o-Xylene
Concen: 5.670 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. -0.00 min
Lab File: VF061284.D
Acq: 8 Jan 2019 14:05

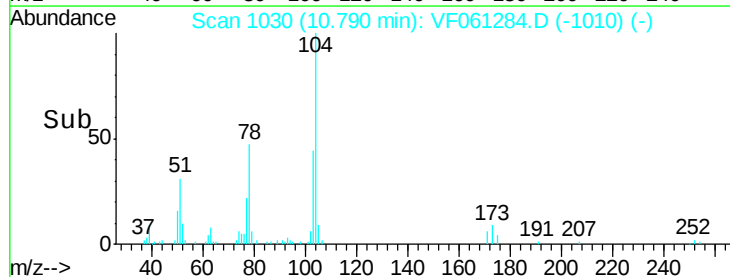
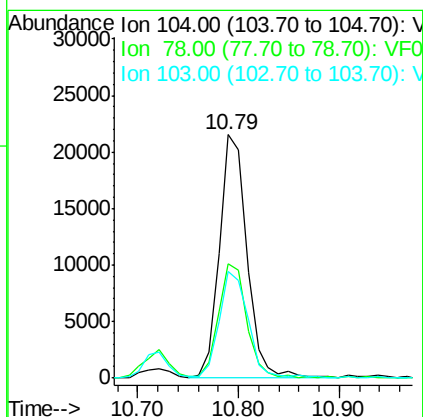
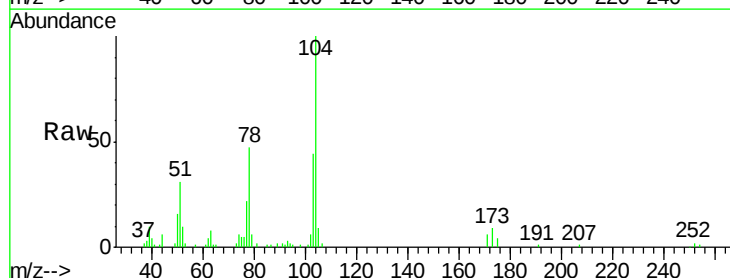
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

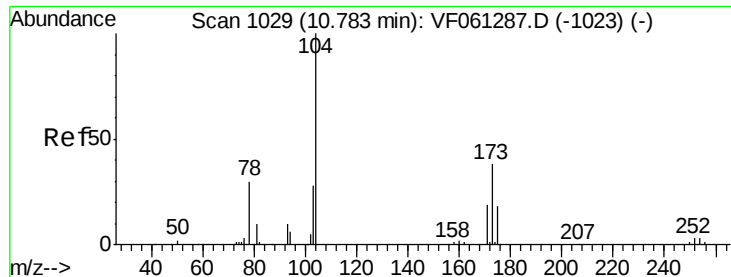
Tot Ion:106 Resp: 30663
Ion Ratio Lower Upper
106 100
91 233.0 108.1 324.4



#70
Styrene
Concen: 5.561 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VF061284.D
Acq: 8 Jan 2019 14:05

Tgt Ion:104 Resp: 41400
Ion Ratio Lower Upper
104 100
78 46.9 38.0 57.0
103 43.7 36.7 55.1





#71

Bromoform

Concen: 4.502 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VF061284.D

Acq: 8 Jan 2019 14:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

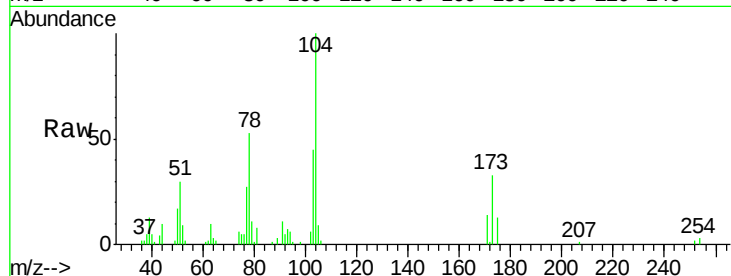
Tot Ion:173 Resp: 6414

Ion Ratio Lower Upper

173 100

175 38.1 24.1 72.2

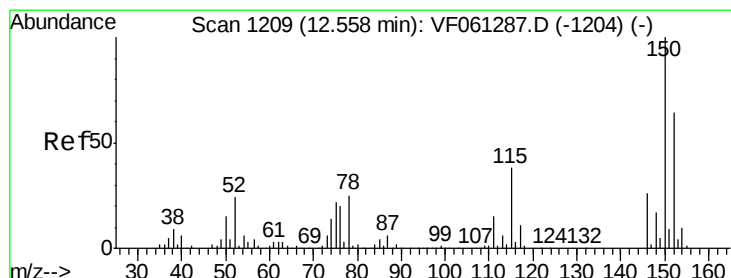
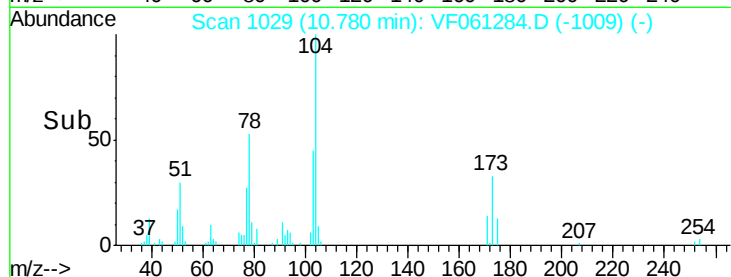
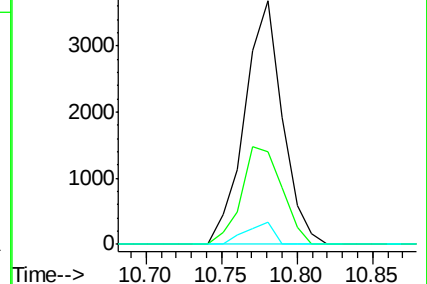
254 9.0 0.0 0.0#



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: 12.56 min Scan# 1209

Delta R.T. -0.00 min

Lab File: VF061284.D

Acq: 8 Jan 2019 14:05

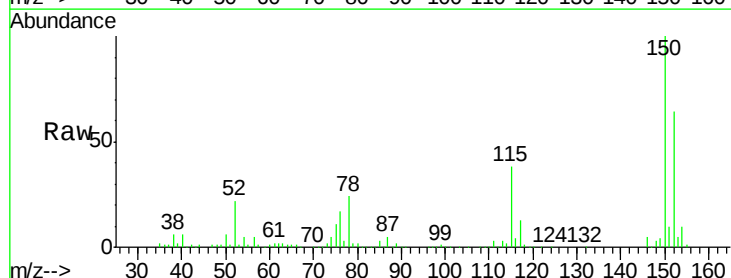
Tgt Ion:152 Resp: 184096

Ion Ratio Lower Upper

152 100

115 60.2 29.6 88.9

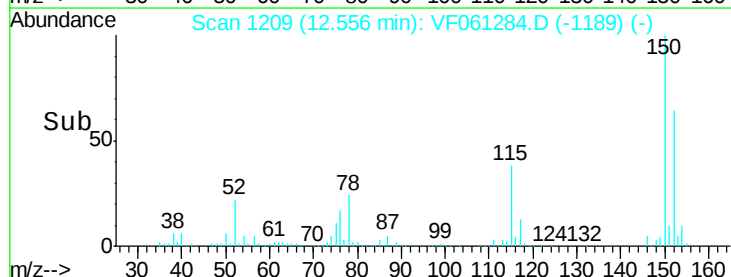
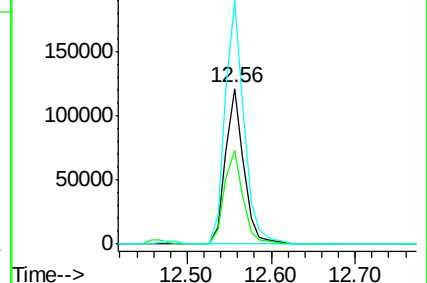
150 156.4 0.0 315.4

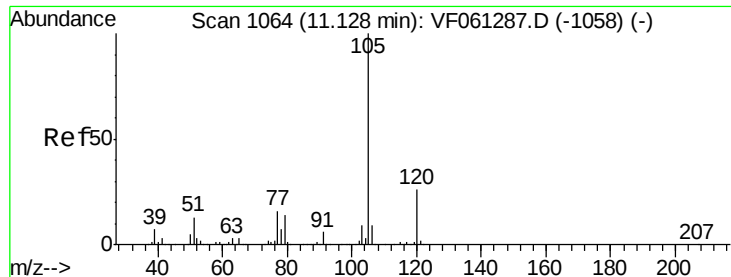


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 5.733 ug/l

RT: 11.13 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VF061284.D

Acq: 8 Jan 2019 14:05

Instrument :

MSVOA_F

ClientSampleId :

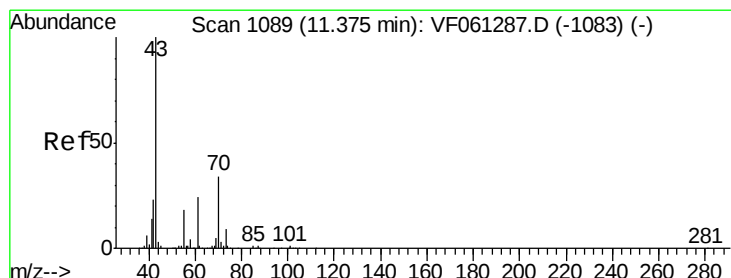
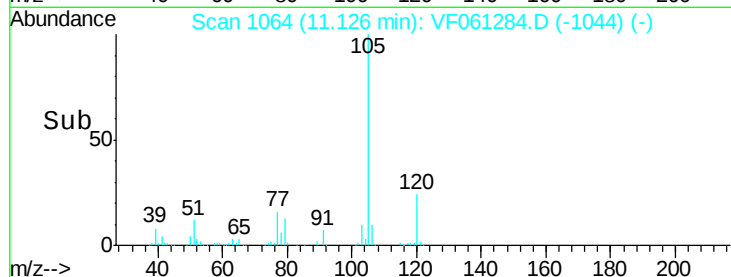
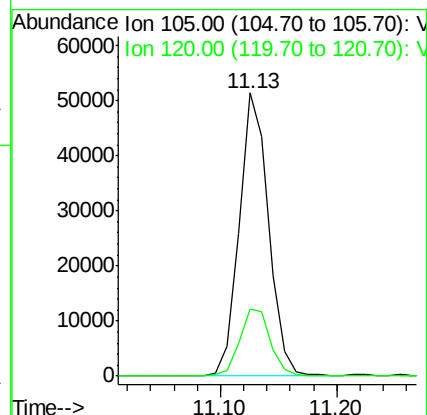
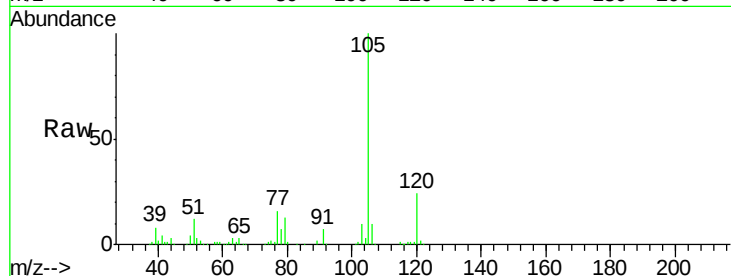
VSTDIC005

Tot Ion:105 Resp: 89658

Ion Ratio Lower Upper

105 100

120 23.7 12.9 38.7



#74

N-ethyl acetate

Concen: 5.532 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VF061284.D

Acq: 8 Jan 2019 14:05

Tgt Ion: 43 Resp: 21842

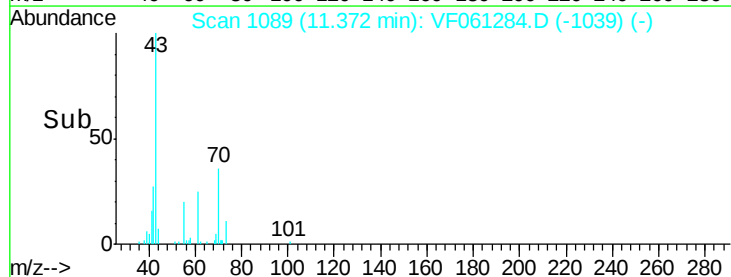
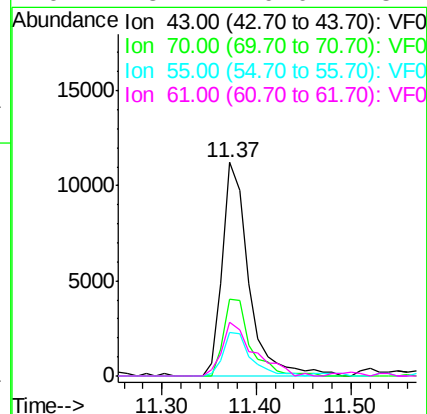
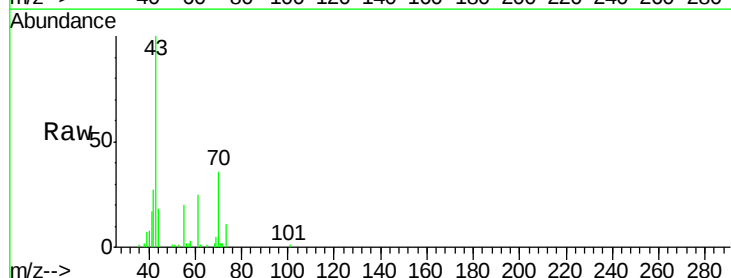
Ion Ratio Lower Upper

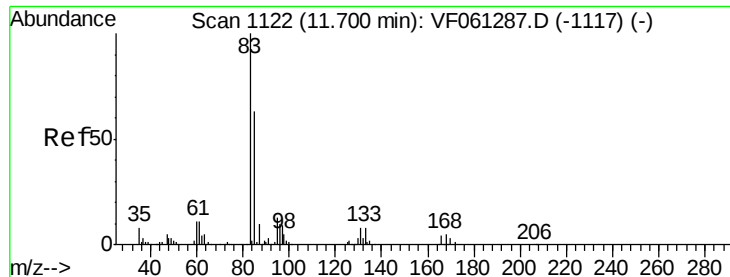
43 100

70 36.0 27.4 41.0

55 20.3 14.7 22.1

61 25.1 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 5.173 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF061284.D

Acq: 8 Jan 2019 14:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

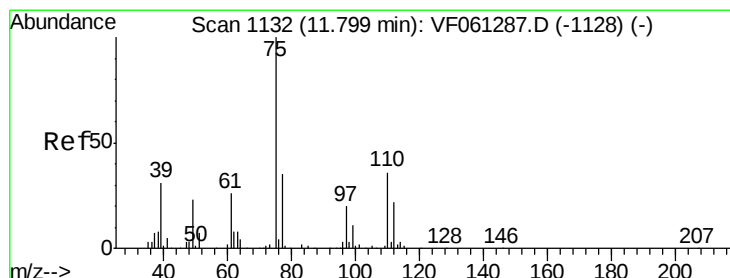
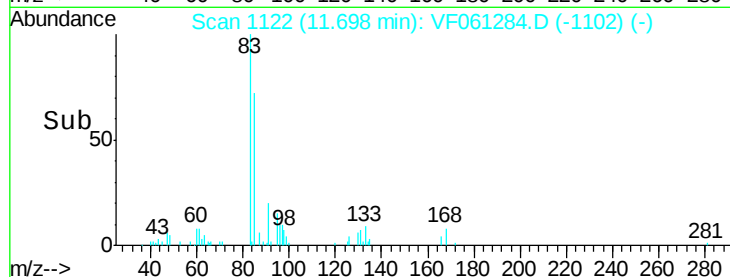
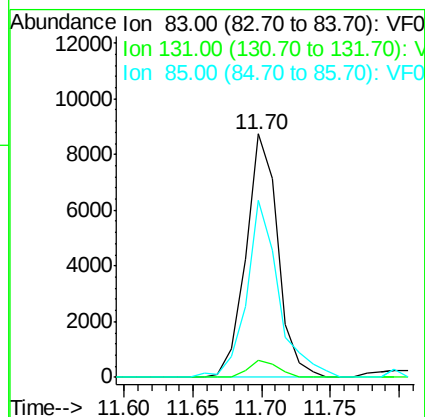
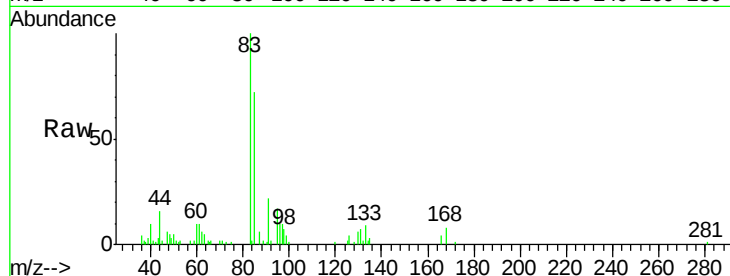
Tot Ion: 83 Resp: 14129

Ion Ratio Lower Upper

83 100

131 6.9 3.9 11.7

85 72.5 31.6 94.7



#76

1,2,3-Trichloropropane

Concen: 5.473 ug/l

RT: 11.80 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VF061284.D

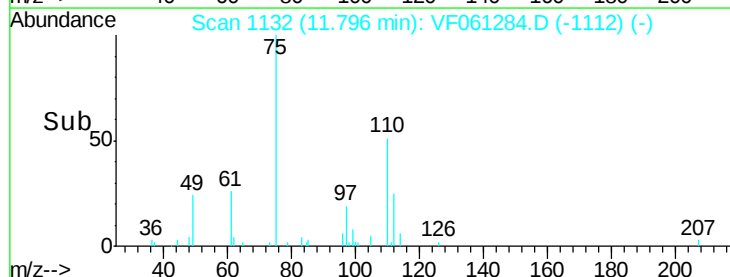
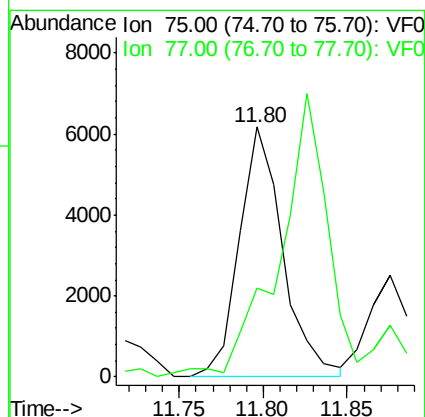
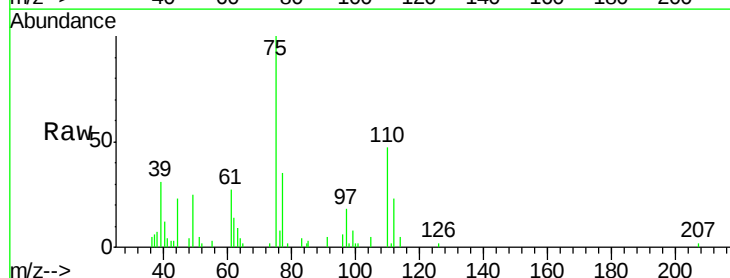
Acq: 8 Jan 2019 14:05

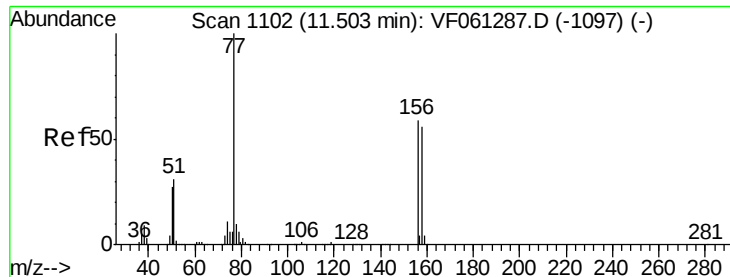
Tgt Ion: 75 Resp: 11098

Ion Ratio Lower Upper

75 100

77 35.3 17.5 52.5





#77

Bromobenzene

Concen: 5.564 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VF061284.D

Acq: 8 Jan 2019 14:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

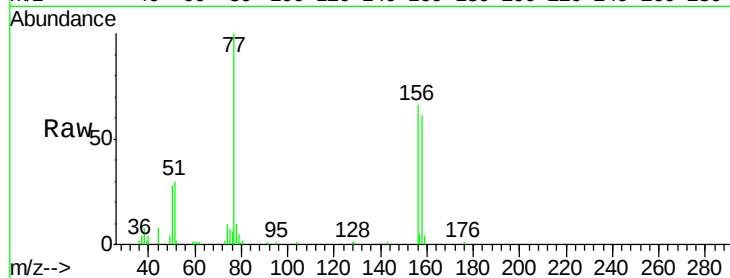
Tot Ion:156 Resp: 18267

Ion Ratio Lower Upper

156 100

77 152.6 84.3 252.9

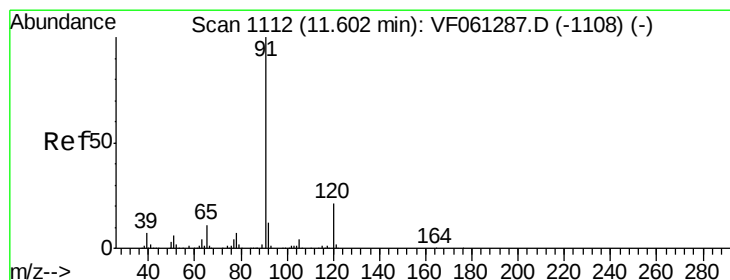
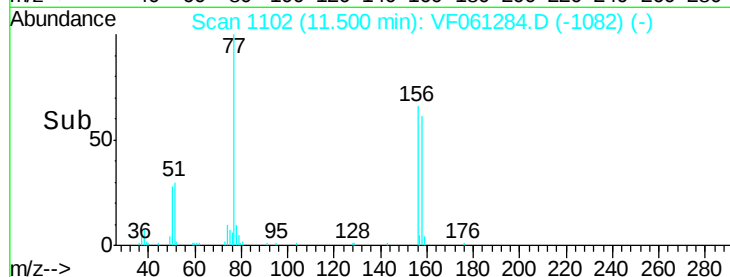
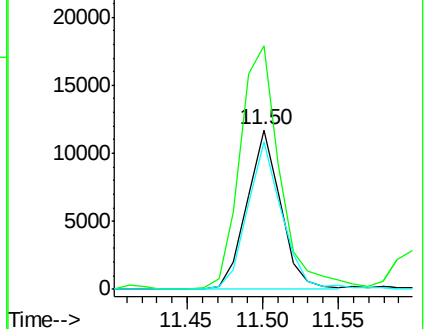
158 92.6 47.1 141.3



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: 6.153 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VF061284.D

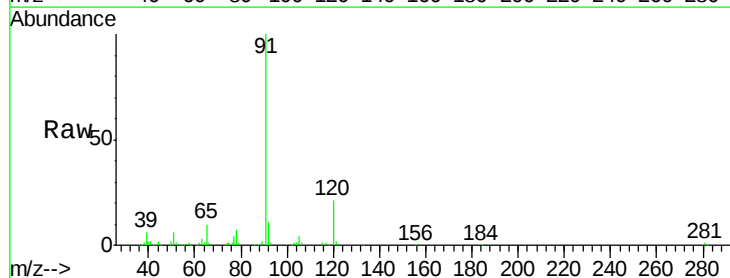
Acq: 8 Jan 2019 14:05

Tgt Ion: 91 Resp: 114687

Ion Ratio Lower Upper

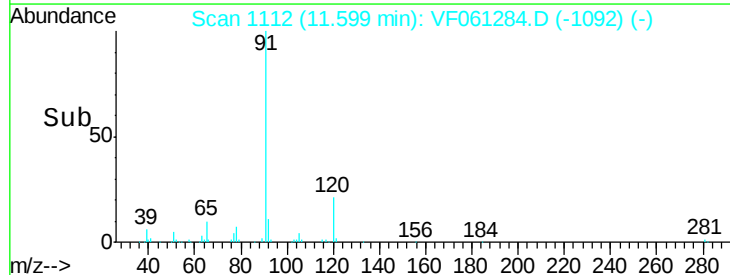
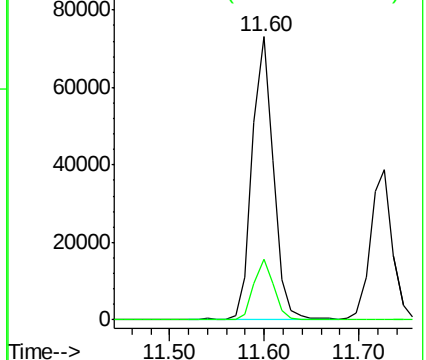
91 100

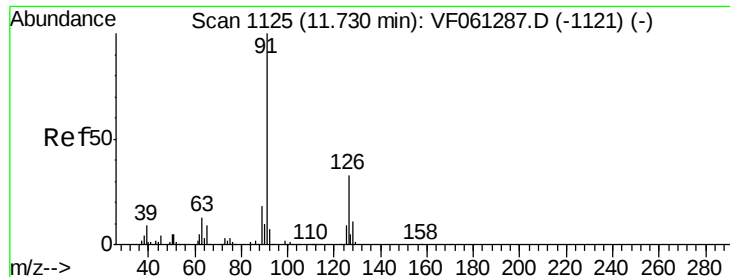
120 21.3 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.823 ug/l

RT: 11.73 min Scan# 1125

Delta R.T. -0.00 min

Lab File: VF061284.D

Acq: 8 Jan 2019 14:05

Instrument :

MSVOA_F

ClientSampleId :

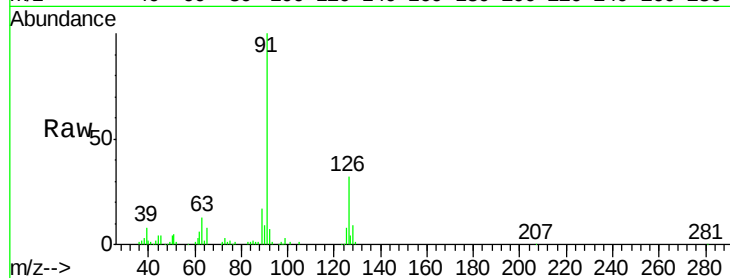
VSTDIC005

Tot Ion: 91 Resp: 62684

Ion Ratio Lower Upper

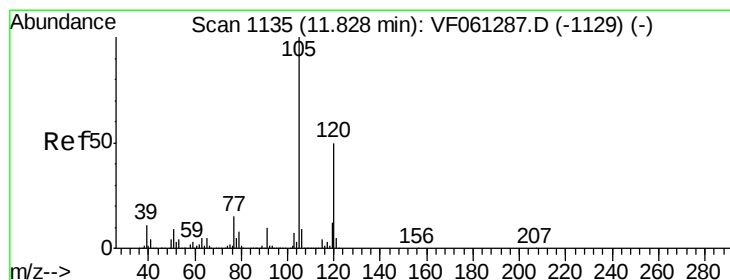
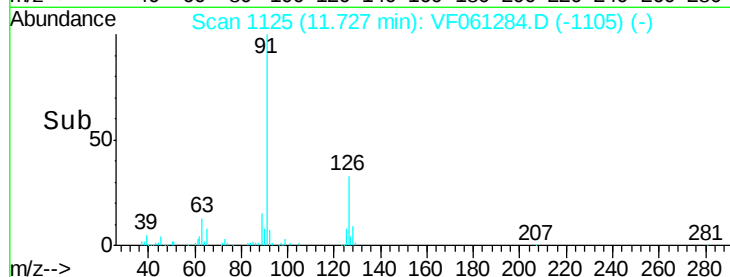
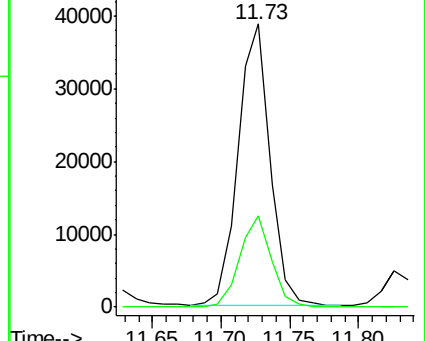
91 100

126 32.5 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 5.861 ug/l

RT: 11.83 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VF061284.D

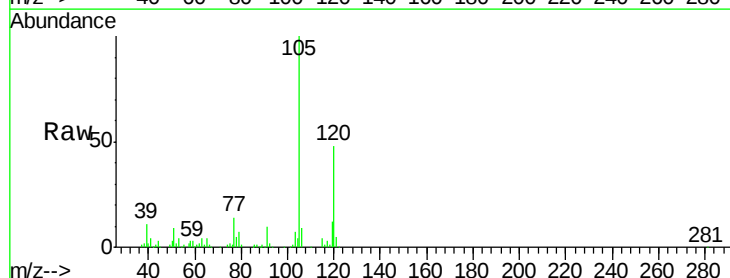
Acq: 8 Jan 2019 14:05

Tgt Ion:105 Resp: 73997

Ion Ratio Lower Upper

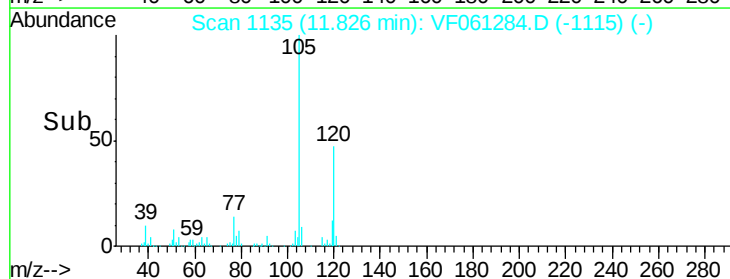
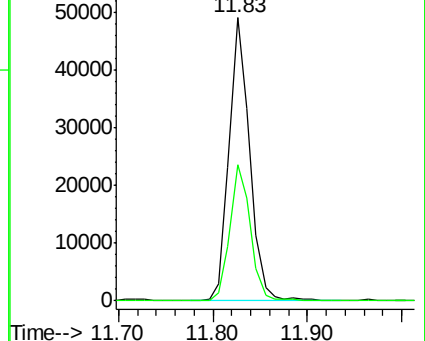
105 100

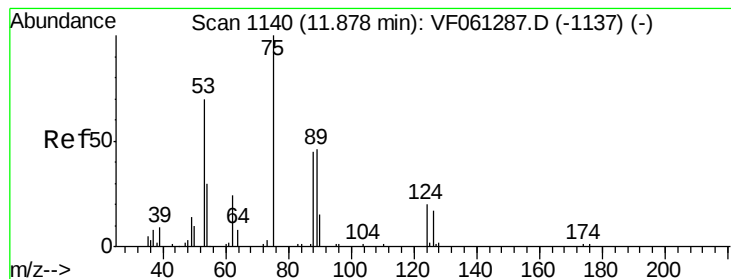
120 48.1 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 6.617 ug/l

RT: 11.88 min Scan# 1140

Delta R.T. -0.00 min

Lab File: VF061284.D

Acq: 8 Jan 2019 14:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

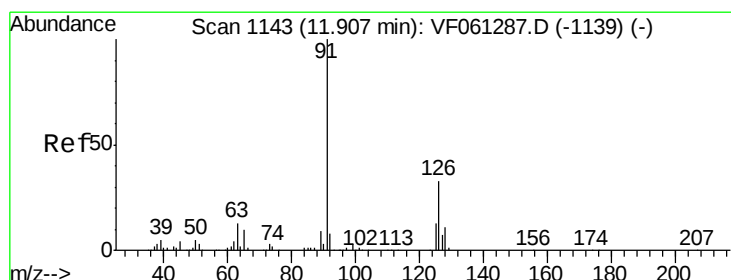
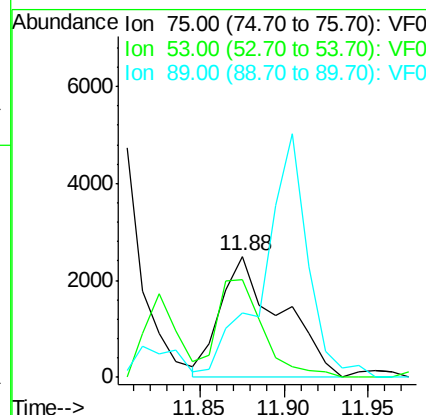
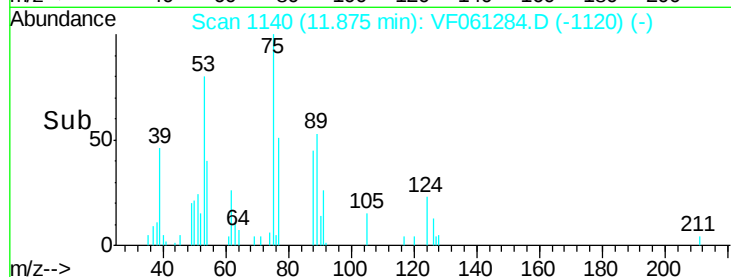
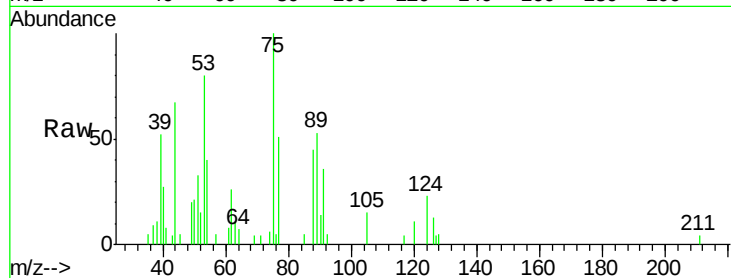
Tot Ion: 75 Resp: 6150

Ion	Ratio	Lower	Upper
75	100		
53	80.3	62.2	93.2
89	52.9	40.2	60.4

75 100

53 80.3 62.2 93.2

89 52.9 40.2 60.4



#82

4-Chlorotoluene

Concen: 5.919 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VF061284.D

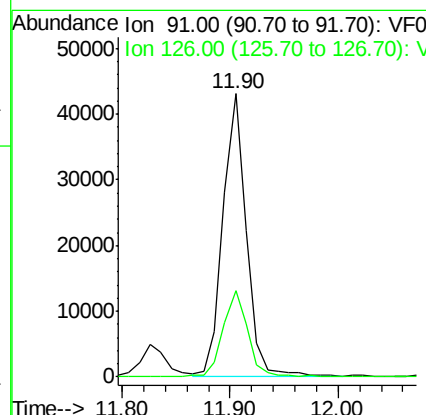
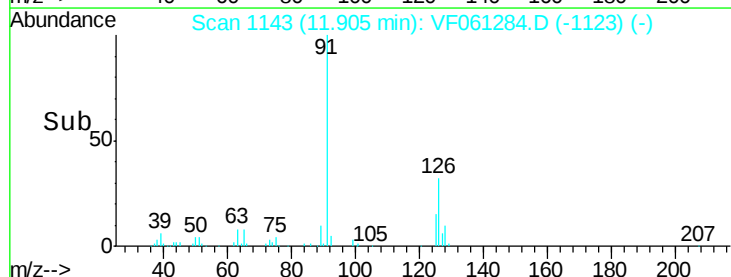
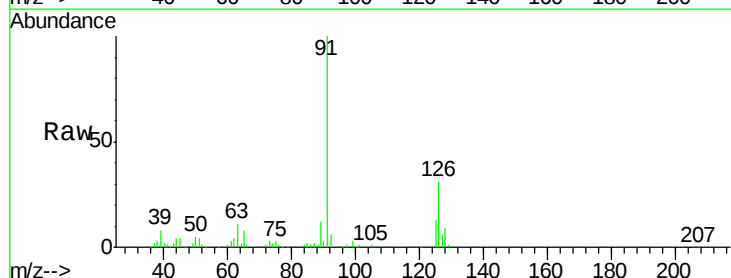
Acq: 8 Jan 2019 14:05

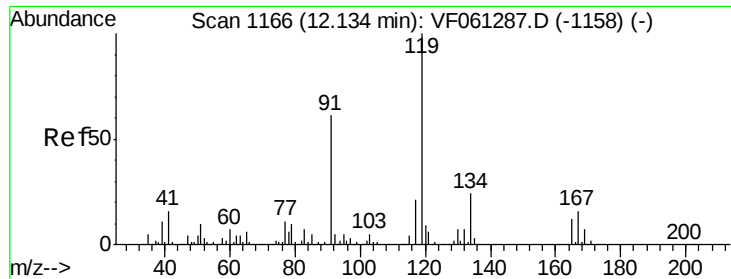
Tgt Ion: 91 Resp: 64596

Ion	Ratio	Lower	Upper
91	100		
126	30.6	16.4	49.4

91 100

126 30.6 16.4 49.4





#83

tert-Butylbenzene

Concen: 5.703 ug/l

RT: 12.13 min Scan# 1166

Delta R.T. -0.00 min

Lab File: VF061284.D

Acq: 8 Jan 2019 14:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

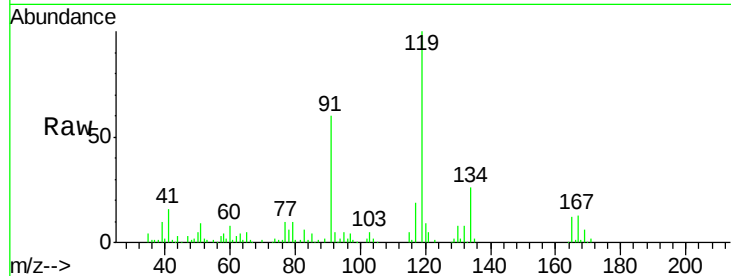
Tot Ion:119 Resp: 74233

Ion Ratio Lower Upper

119 100

91 60.2 30.8 92.4

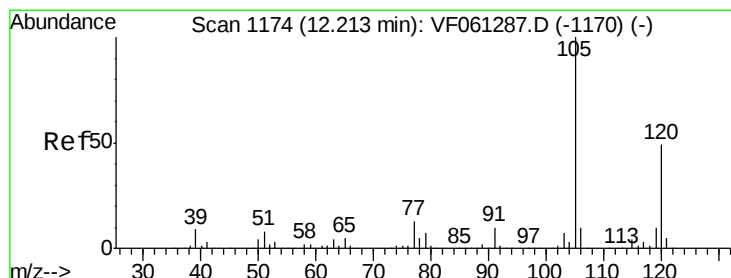
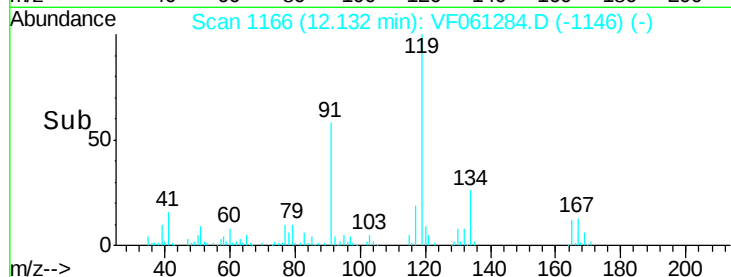
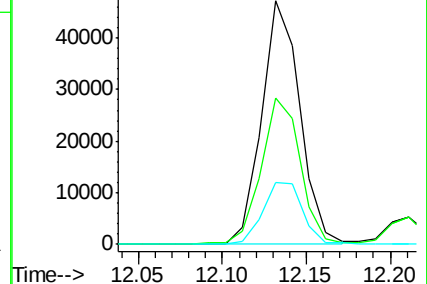
134 25.5 11.9 35.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 5.634 ug/l

RT: 12.21 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VF061284.D

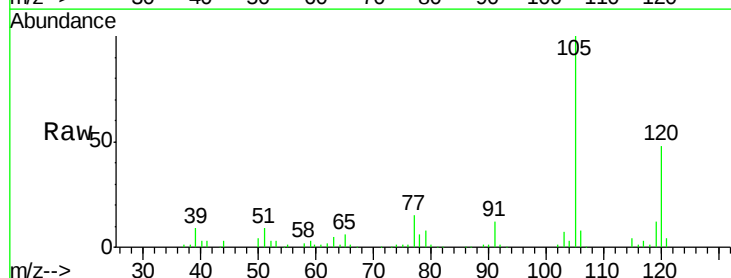
Acq: 8 Jan 2019 14:05

Tgt Ion:105 Resp: 70805

Ion Ratio Lower Upper

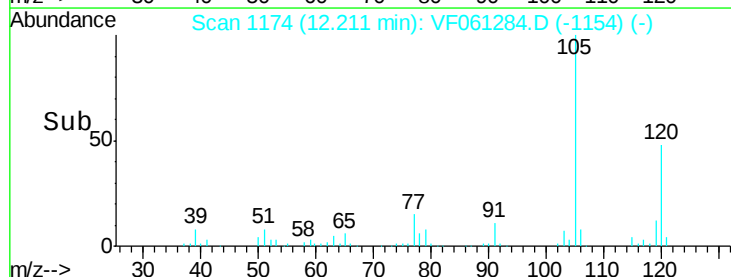
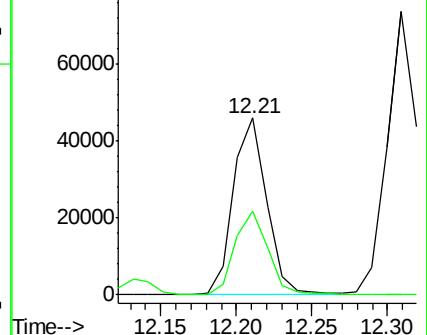
105 100

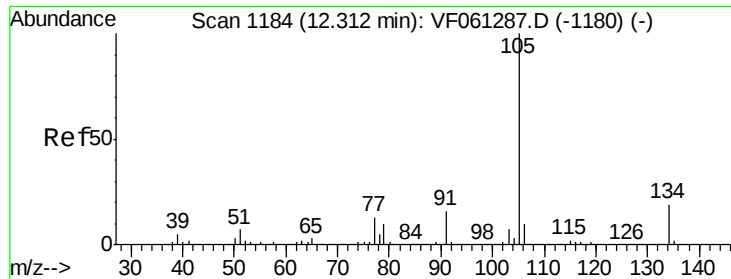
120 47.6 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 6.016 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VF061284.D

Acq: 8 Jan 2019 14:05

Instrument :

MSVOA_F

ClientSampleId :

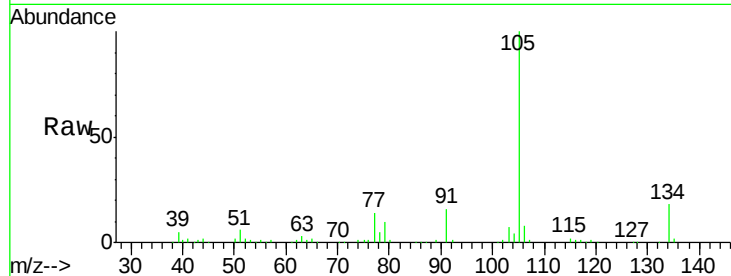
VSTDIC005

Tot Ion:105 Resp: 106214

Ion Ratio Lower Upper

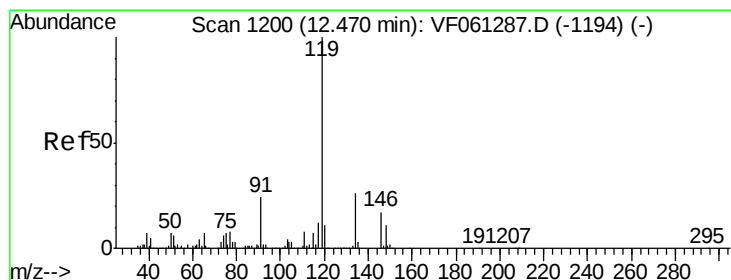
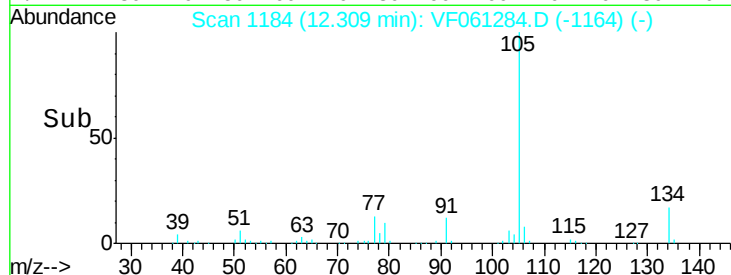
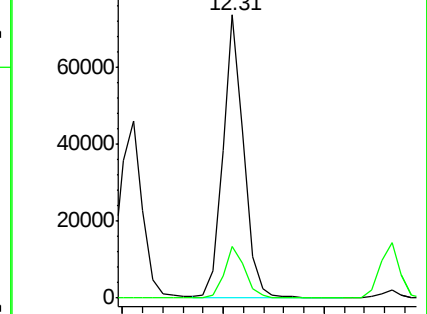
105 100

134 18.3 9.7 28.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.874 ug/l

RT: 12.47 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VF061284.D

Acq: 8 Jan 2019 14:05

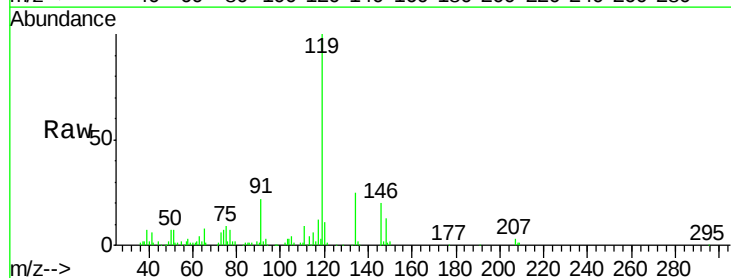
Tgt Ion:119 Resp: 85451

Ion Ratio Lower Upper

119 100

134 24.5 13.0 39.0

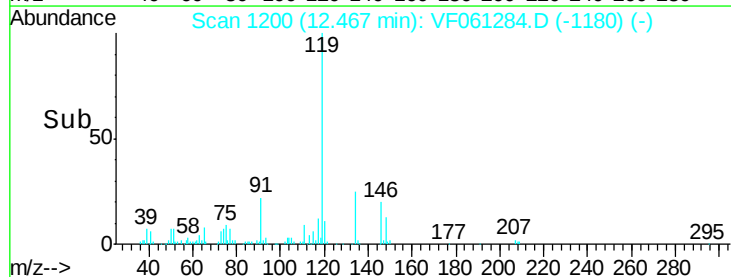
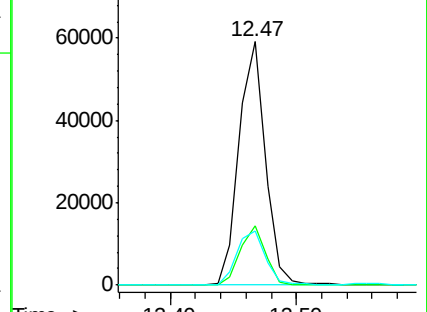
91 22.1 12.2 36.4

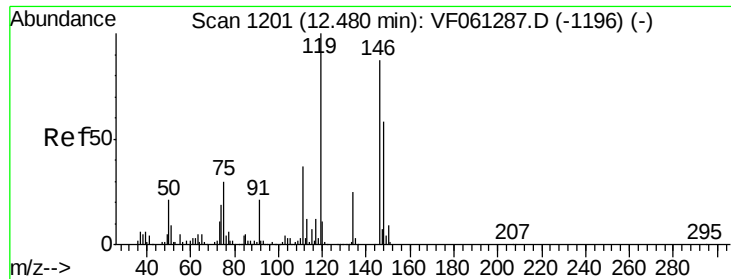


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

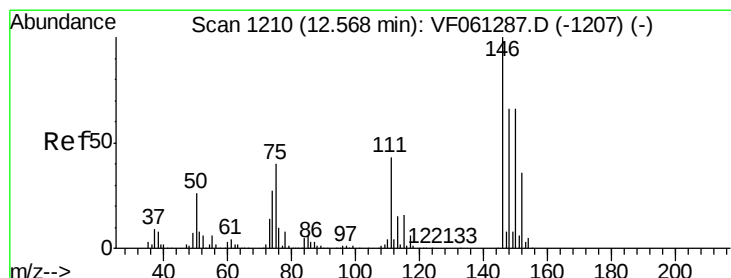
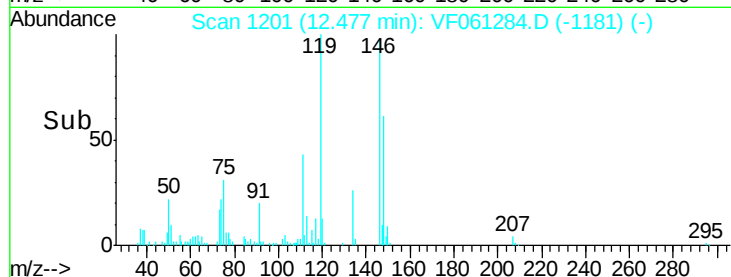
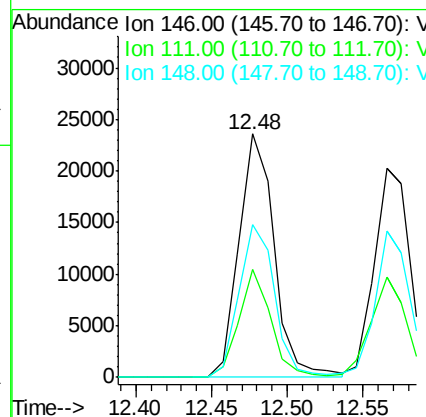
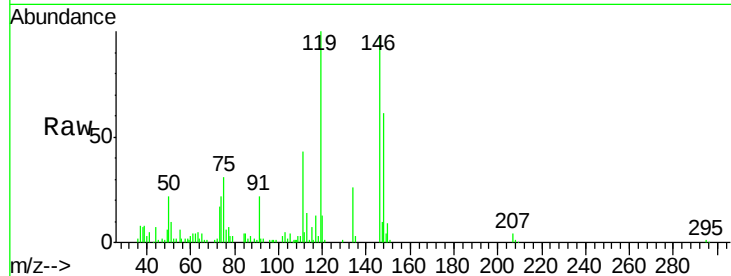




#87
 1,3-Dichlorobenzene
 Concen: 6.021 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VF061284.D
 Acq: 8 Jan 2019 14:05

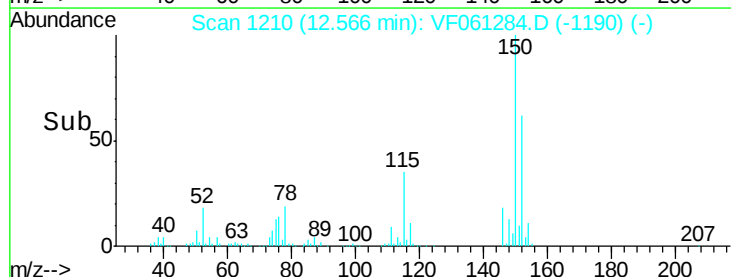
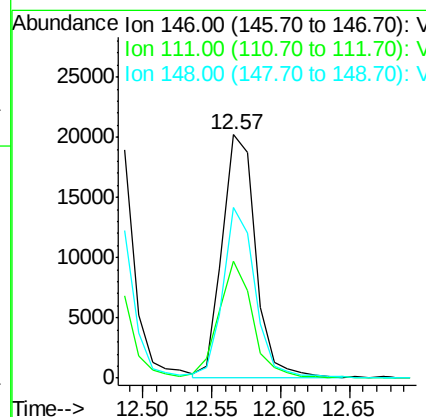
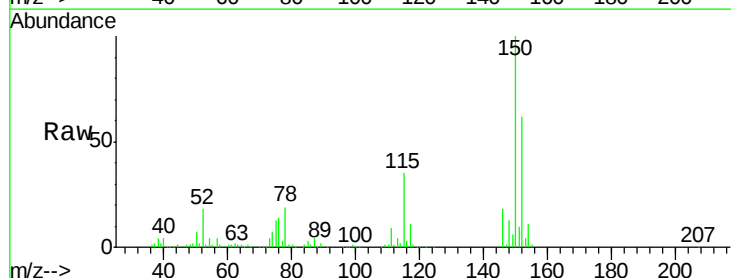
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

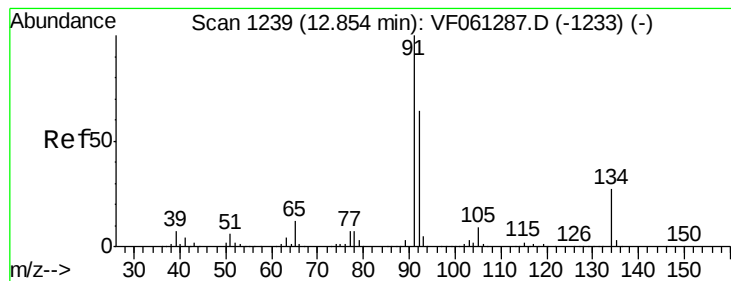
Tot Ion:146 Resp: 38144
 Ion Ratio Lower Upper
 146 100
 111 44.2 21.1 63.3
 148 62.9 33.1 99.5



#88
 1,4-Dichlorobenzene
 Concen: 5.541 ug/l
 RT: 12.57 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VF061284.D
 Acq: 8 Jan 2019 14:05

Tgt Ion:146 Resp: 34246
 Ion Ratio Lower Upper
 146 100
 111 48.0 21.4 64.2
 148 70.1 33.0 98.9





#89

n-Butylbenzene

Concen: 5.817 ug/l

RT: 12.85 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VF061284.D

Acq: 8 Jan 2019 14:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

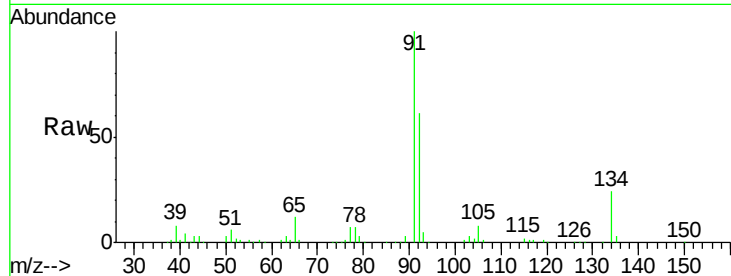
Tot Ion: 91 Resp: 86951

Ion Ratio Lower Upper

91 100

92 61.2 32.1 96.3

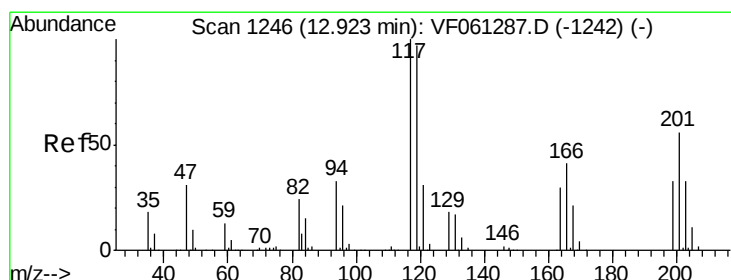
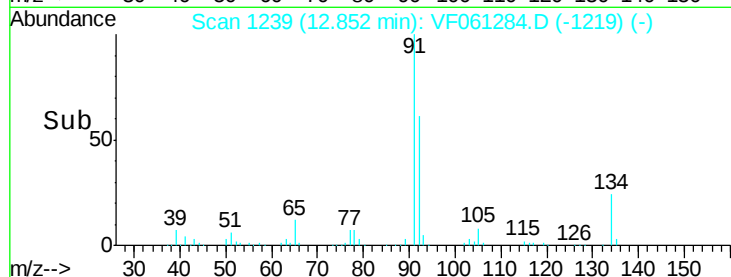
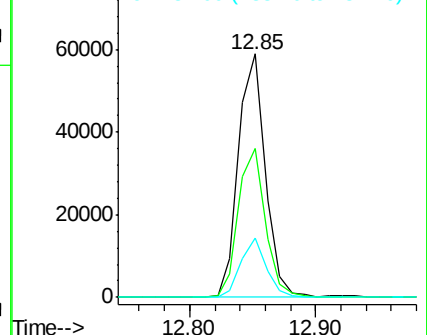
134 24.1 13.4 40.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 5.084 ug/l

RT: 12.92 min Scan# 1246

Delta R.T. -0.00 min

Lab File: VF061284.D

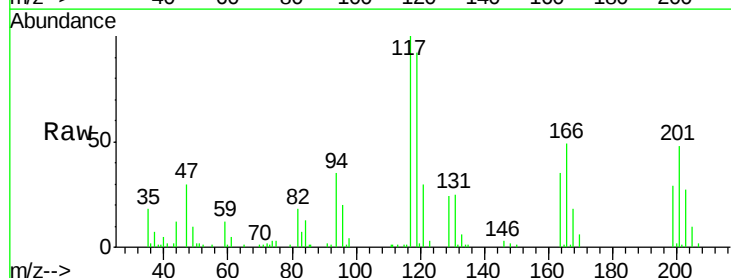
Acq: 8 Jan 2019 14:05

Tgt Ion: 117 Resp: 18247

Ion Ratio Lower Upper

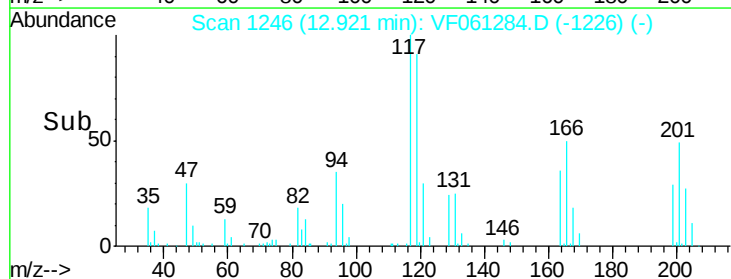
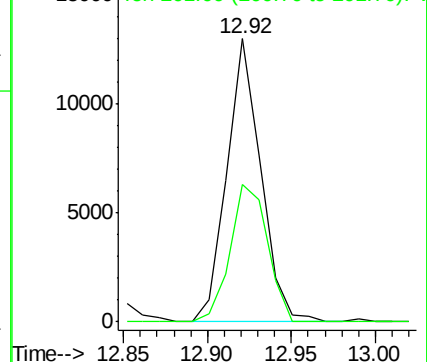
117 100

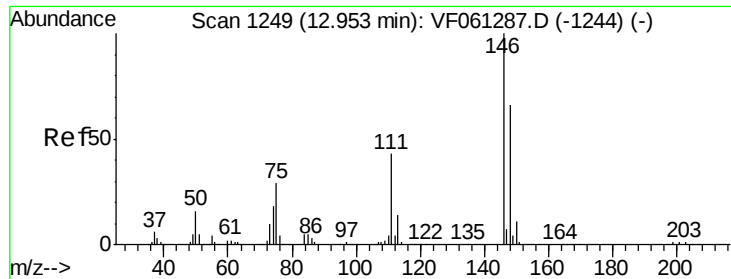
201 48.4 27.9 83.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

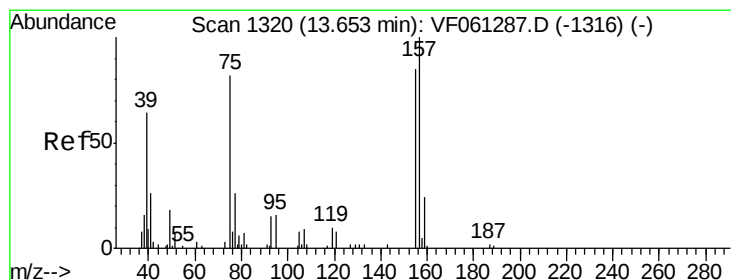
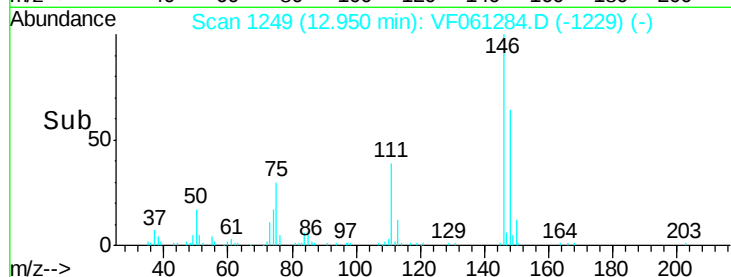
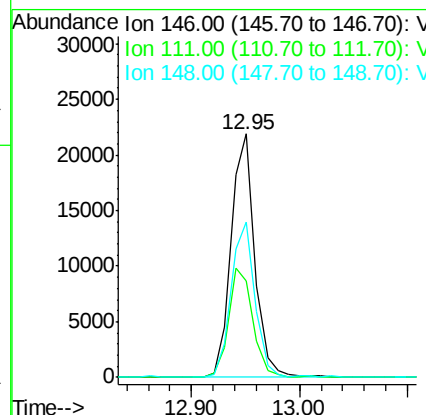
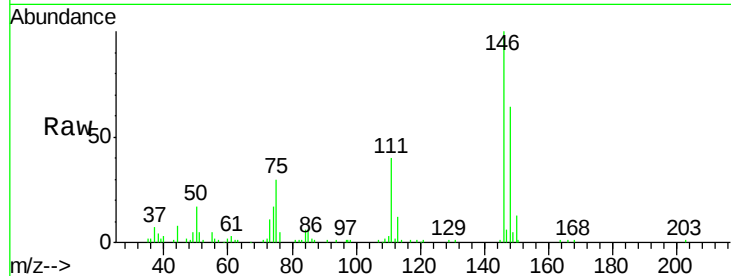




#91
 1,2-Dichlorobenzene
 Concen: 5.436 ug/l
 RT: 12.95 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VF061284.D
 Acq: 8 Jan 2019 14:05

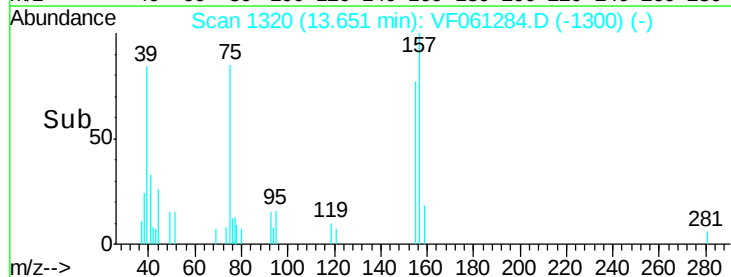
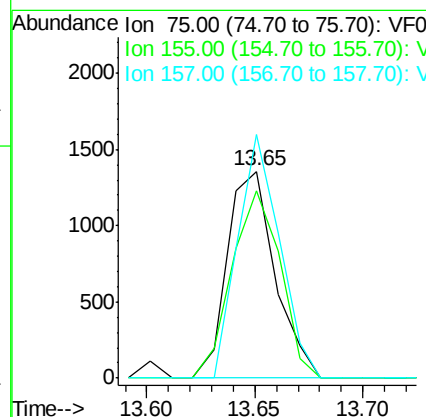
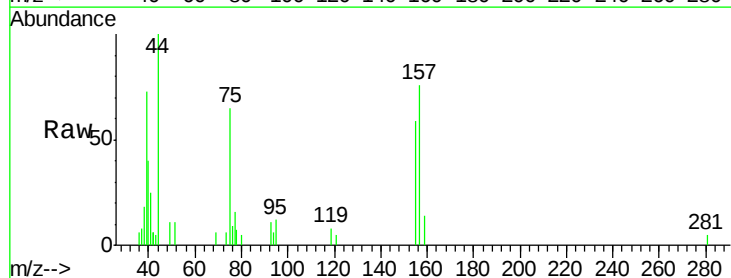
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

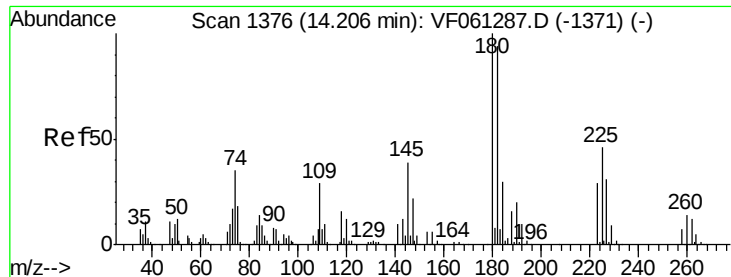
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	21.4	64.3
148	63.6	33.1	99.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.256 ug/l
 RT: 13.65 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VF061284.D
 Acq: 8 Jan 2019 14:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.5	51.3	154.0
157	117.6	60.7	182.0

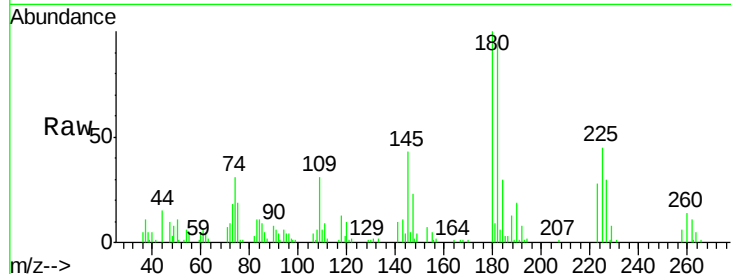




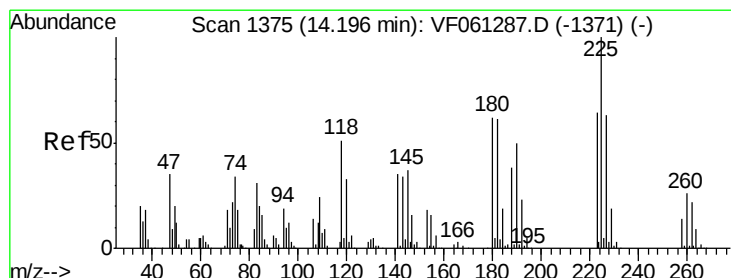
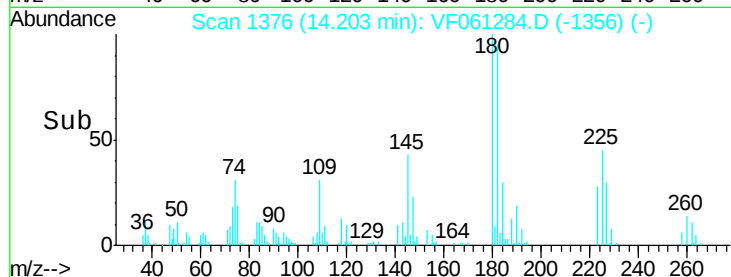
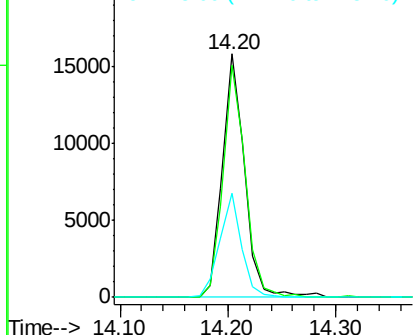
#93
 1,2,4-Trichlorobenzene
 Concen: 5.287 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VF061284.D
 Acq: 8 Jan 2019 14:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion:180 Resp: 22654
 Ion Ratio Lower Upper
 180 100
 182 95.1 47.0 141.2
 145 42.7 19.7 59.1

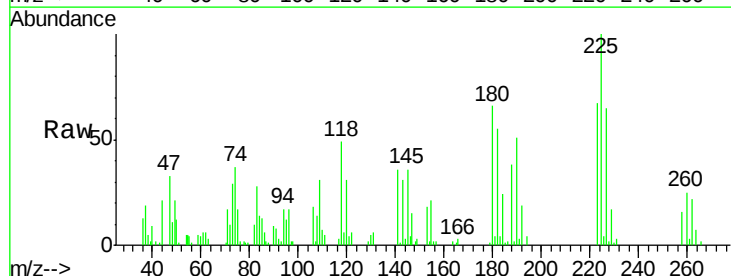


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

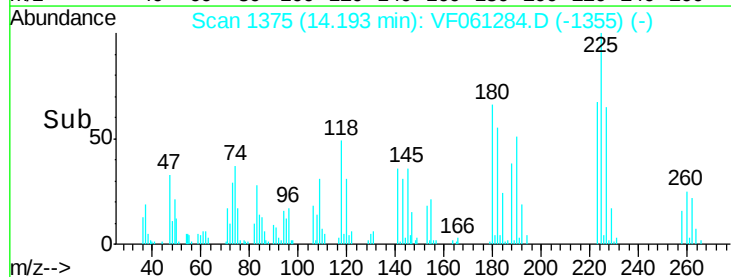
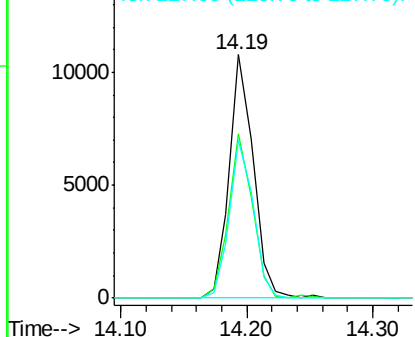


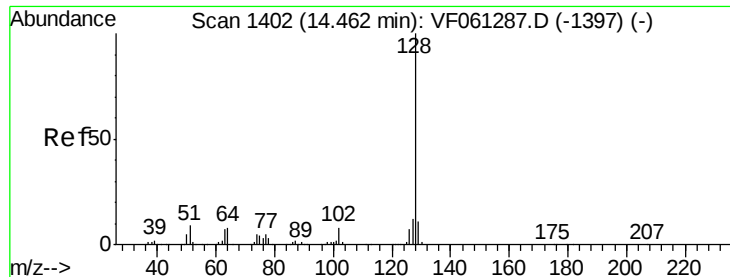
#94
 Hexachlorobutadiene
 Concen: 5.222 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VF061284.D
 Acq: 8 Jan 2019 14:05

Tgt Ion:225 Resp: 14256
 Ion Ratio Lower Upper
 225 100
 223 67.3 31.8 95.4
 227 64.8 31.3 93.9



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

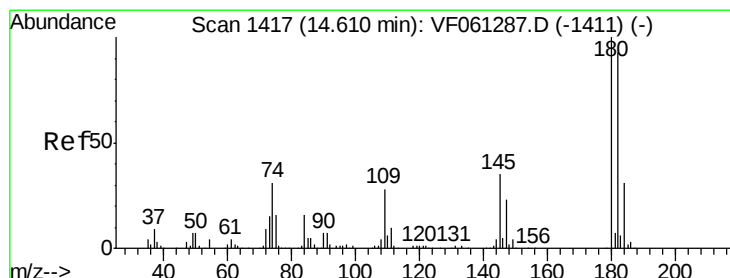
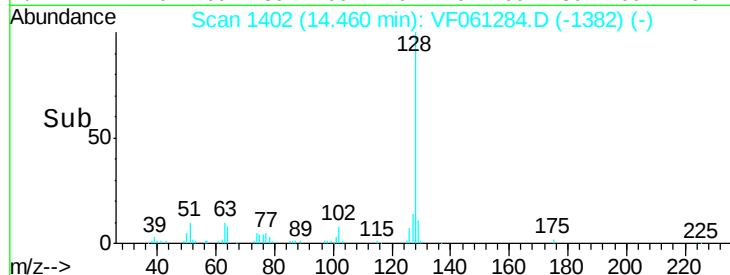
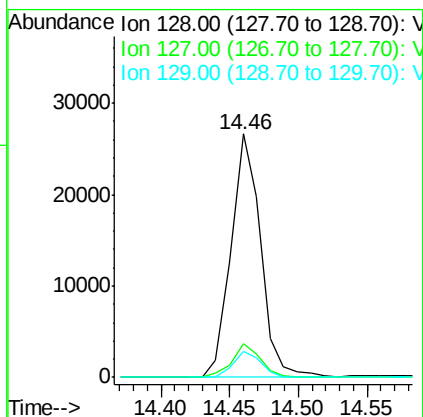
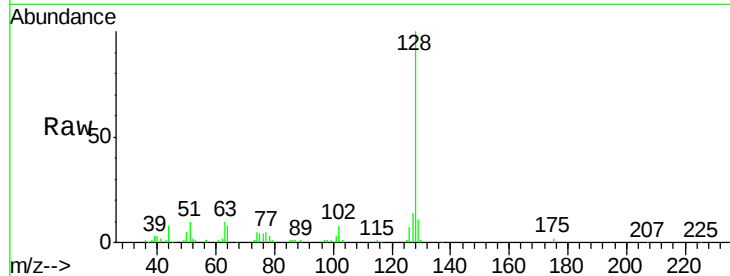




#95
Naphthalene
Concen: 4.999 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. -0.00 min
Lab File: VF061284.D
Acq: 8 Jan 2019 14:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion:128 Resp: 40042
Ion Ratio Lower Upper
128 100
127 13.7 9.4 14.0
129 11.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 5.613 ug/l
RT: 14.61 min Scan# 1417
Delta R.T. -0.00 min
Lab File: VF061284.D
Acq: 8 Jan 2019 14:05

Tgt Ion:180 Resp: 22301
Ion Ratio Lower Upper
180 100
182 95.7 46.5 139.3
145 30.0 17.5 52.6

