

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010819\
 Data File : VF061290.D
 Acq On : 8 Jan 2019 16:55
 Operator : VA/AP
 Sample : VSTDIC150
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Quant Time: Jan 09 06:09:01 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	4.89	168	186602	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.61	114	329449	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.79	117	310494	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	167319	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.86	65	301360	127.23	ug/l	0.00
Spiked Amount						
			Recovery	=	254.46%	
35) Dibromofluoromethane	4.13	113	349861	138.03	ug/l	0.01
Spiked Amount						
			Recovery	=	276.06%	
50) Toluene-d8	7.57	98	997508	132.62	ug/l	0.00
Spiked Amount						
			Recovery	=	265.24%	
62) 4-Bromofluorobenzene	11.42	95	434889	130.49	ug/l	0.00
Spiked Amount						
			Recovery	=	260.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	487236	135.990	ug/l	93
3) Chloromethane	1.09	50	410900	149.702	ug/l	97
4) Vinyl Chloride	1.14	62	369605	155.462	ug/l	99
5) Bromomethane	1.30	94	251346	154.633	ug/l	91
6) Chloroethane	1.38	64	173045	160.606	ug/l	95
7) Trichlorofluoromethane	1.48	101	649276	151.759	ug/l	98
8) Diethyl Ether	1.63	74	96307	157.787	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.82	101	318806	149.148	ug/l	98
10) Methyl Iodide	1.85	142	304866	88.275	ug/l	95
11) Tert butyl alcohol	2.57	59	57293	573.214	ug/l #	87
12) 1,1-Dichloroethene	1.76	96	264256	147.072	ug/l	89
13) Acrolein	2.01	56	58901	629.595	ug/l	96
14) Allyl chloride	2.11	41	491903	198.027	ug/l	96
15) Acrylonitrile	2.96	53	208908	781.811	ug/l	93
16) Acetone	2.25	43	301779	636.165	ug/l	93
17) Carbon Disulfide	1.77	76	848477	155.079	ug/l	98
18) Methyl Acetate	2.35	43	127399	121.361	ug/l	99
19) Methyl tert-butyl Ether	2.43	73	521190	139.158	ug/l	100
20) Methylene Chloride	2.19	84	260667	118.402	ug/l	96
21) trans-1,2-Dichloroethene	2.31	96	295732	156.490	ug/l	96
22) Diisopropyl ether	2.81	45	949168	151.963	ug/l	98
23) Vinyl Acetate	3.19	43	1572912	549.882	ug/l	98
24) 1,1-Dichloroethane	2.88	63	573346	156.565	ug/l	99
25) 2-Butanone	4.35	43	498373	559.667	ug/l	99
26) 2,2-Dichloropropane	3.61	77	355202	168.434	ug/l	97
27) cis-1,2-Dichloroethene	3.49	96	398265	143.419	ug/l	95
28) Bromochloromethane	3.73	49	232793	134.284	ug/l	94
29) Tetrahydrofuran	4.08	42	217872	629.278	ug/l	98
30) Chloroform	3.87	83	688607	134.432	ug/l	99
31) Cyclohexane	3.71	56	577406	148.761	ug/l	99
32) 1,1,1-Trichloroethane	4.11	97	586103	176.159	ug/l	100
36) 1,1-Dichloropropene	4.30	75	531379	136.951	ug/l	99
37) Ethyl Acetate	4.12	43	196770	127.014	ug/l #	85
38) Carbon Tetrachloride	4.01	117	622780	200.485	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010819\
 Data File : VF061290.D
 Acq On : 8 Jan 2019 16:55
 Operator : VA/AP
 Sample : VSTDICC150
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC150

Quant Time: Jan 09 06:09:01 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	5.47	83	617845	148.965	ug/l	99
40) Benzene	4.64	78	1157470	131.443	ug/l	99
41) Methacrylonitrile	4.76	41	111215	126.251	ug/l	94
42) 1,2-Dichloroethane	4.96	62	404867	137.417	ug/l	99
43) Isopropyl Acetate	6.97	43	263628	127.535	ug/l #	97
44) Trichloroethene	5.52	130	340518	124.230	ug/l	93
45) 1,2-Dichloropropane	6.25	63	309195	137.532	ug/l	99
46) Dibromomethane	6.10	93	206586	139.649	ug/l	95
47) Bromodichloromethane	6.40	83	503590	133.732	ug/l	97
48) Methyl methacrylate	6.72	41	172906	129.177	ug/l	94
49) 1,4-Dioxane	6.72	88	21893	2360.551	ug/l #	89
51) 4-Methyl-2-Pentanone	8.27	43	895591	623.808	ug/l	99
52) Toluene	7.64	92	758309	131.884	ug/l	93
53) t-1,3-Dichloropropene	8.29	75	389545	126.897	ug/l	96
54) cis-1,3-Dichloropropene	7.32	75	529542	135.724	ug/l	97
55) 1,1,2-Trichloroethane	8.51	97	229257	138.648	ug/l	98
56) Ethyl methacrylate	8.63	69	250931	137.314	ug/l	95
57) 1,3-Dichloropropane	8.86	76	400820	128.953	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.31	63	54196	244.215	ug/l #	90
59) 2-Hexanone	9.51	43	628078	604.285	ug/l	98
60) Dibromochloromethane	8.73	129	328109	139.697	ug/l	99
61) 1,2-Dibromoethane	9.00	107	242371	135.816	ug/l	100
64) Tetrachloroethene	8.16	164	310244	130.383	ug/l	98
65) Chlorobenzene	9.81	112	852803	135.073	ug/l	94
66) 1,1,1,2-Tetrachloroethane	9.95	131	338095	130.396	ug/l	99
67) Ethyl Benzene	9.91	91	1476529	127.218	ug/l	91
68) m/p-Xylenes	10.15	106	1042292	246.078	ug/l	86
69) o-Xylene	10.73	106	615959	134.431	ug/l	90
70) Styrene	10.80	104	805044	127.631	ug/l	98
71) Bromoform	10.79	173	157227	130.248	ug/l #	98
73) Isopropylbenzene	11.13	105	1643611	115.644	ug/l	96
74) N-amyl acetate	11.38	43	389019	108.414	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.71	83	301123	121.296	ug/l	98
76) 1,2,3-Trichloropropane	11.80	75	214482	116.382	ug/l	97
77) Bromobenzene	11.51	156	358625	120.197	ug/l	94
78) n-propylbenzene	11.61	91	1852575	109.355	ug/l	94
79) 2-Chlorotoluene	11.73	91	1135841	116.094	ug/l	96
80) 1,3,5-Trimethylbenzene	11.83	105	1307723	113.973	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.88	75	132093	156.386	ug/l	94
82) 4-Chlorotoluene	11.91	91	1150406	115.990	ug/l	97
83) tert-Butylbenzene	12.14	119	1336933	113.009	ug/l	96
84) 1,2,4-Trimethylbenzene	12.22	105	1366302	119.614	ug/l	94
85) sec-Butylbenzene	12.32	105	1836183	114.423	ug/l	93
86) p-Isopropyltoluene	12.46	119	1471451	111.286	ug/l	96
87) 1,3-Dichlorobenzene	12.48	146	659089	114.478	ug/l	98
88) 1,4-Dichlorobenzene	12.57	146	697738	124.209	ug/l	97
89) n-Butylbenzene	12.85	91	1478279	108.817	ug/l	93
90) Hexachloroethane	12.93	117	403716	123.760	ug/l	86
91) 1,2-Dichlorobenzene	12.95	146	661936	119.017	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.65	75	59967	134.417	ug/l	79

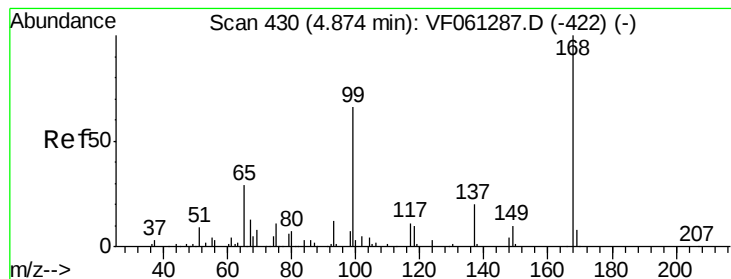
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010819\
Data File : VF061290.D
Acq On : 8 Jan 2019 16:55
Operator : VA/AP
Sample : VSTDICC150
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC150

Quant Time: Jan 09 06:09:01 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	14.21	180	461871	118.596	ug/l	97
94) Hexachlorobutadiene	14.20	225	308057	124.151	ug/l	96
95) Naphthalene	14.47	128	994752	136.650	ug/l	98
96) 1,2,3-Trichlorobenzene	14.62	180	442416	122.521	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. 0.01 min

Lab File: VF061290.D

Acq: 8 Jan 2019 16:55

Instrument :

MSVOA_F

ClientSampleId :

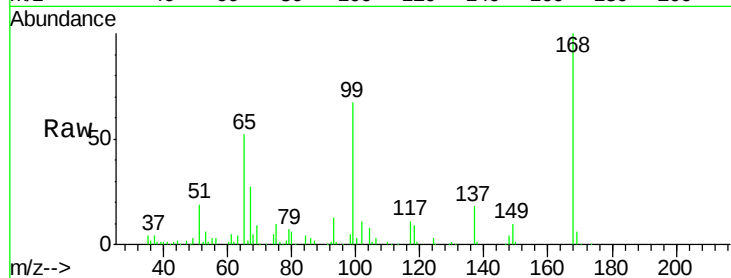
VSTDIC150

Tot Ion:168 Resp: 186602

Ion Ratio Lower Upper

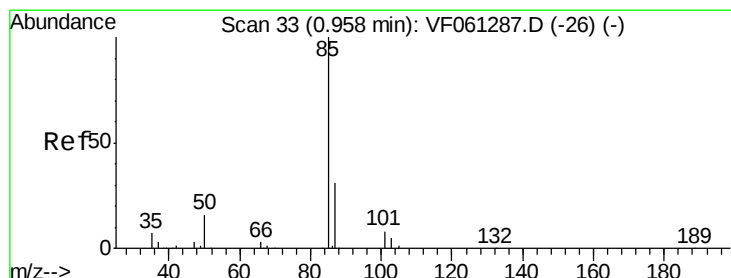
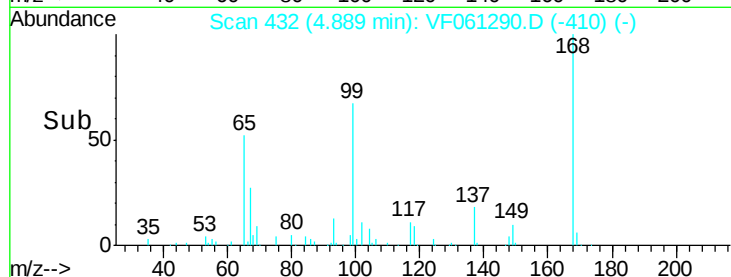
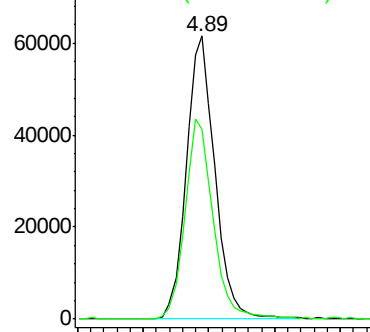
168 100

99 67.2 52.7 79.1



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 135.990 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.01 min

Lab File: VF061290.D

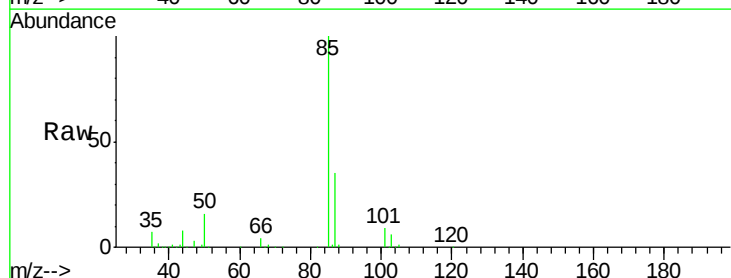
Acq: 8 Jan 2019 16:55

Tgt Ion: 85 Resp: 487236

Ion Ratio Lower Upper

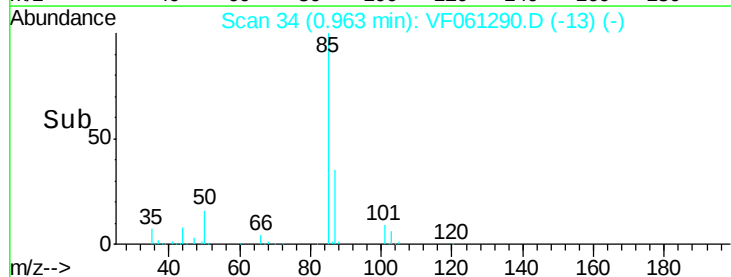
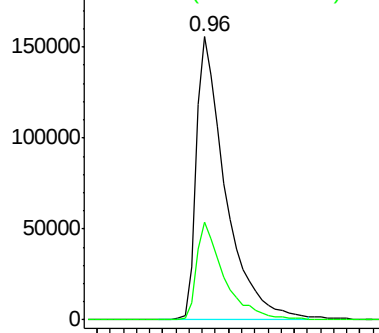
85 100

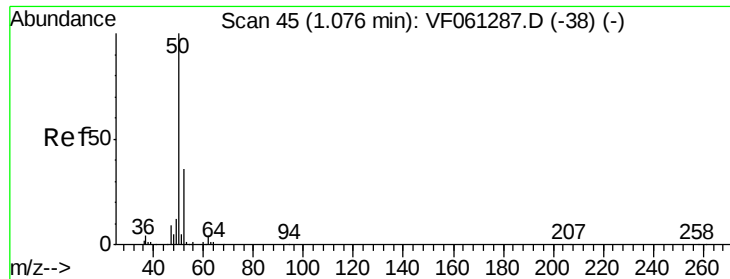
87 34.7 15.4 46.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 149.702 ug/l

RT: 1.09 min Scan# 47

Delta R.T. 0.01 min

Lab File: VF061290.D

Acq: 8 Jan 2019 16:55

Instrument :

MSVOA_F

ClientSampleId :

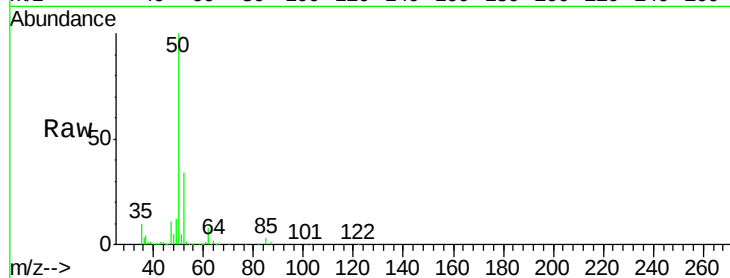
VSTDIC150

Tot Ion: 50 Resp: 410900

Ion Ratio Lower Upper

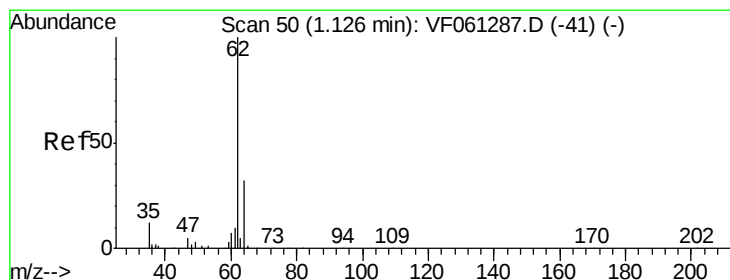
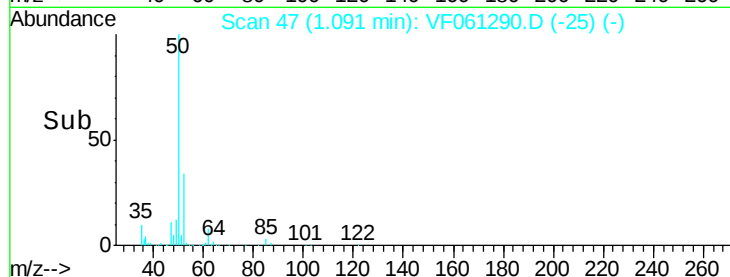
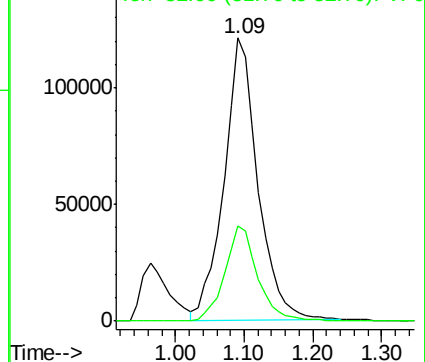
50 100

52 33.6 28.2 42.2



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 155.462 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.01 min

Lab File: VF061290.D

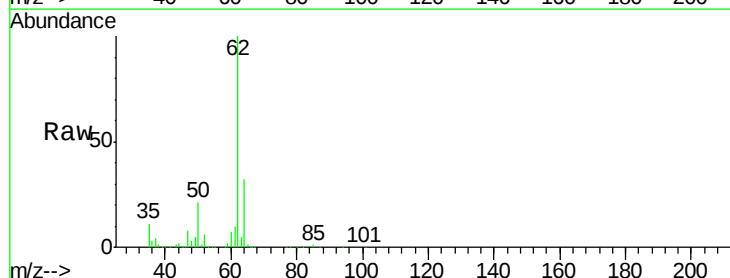
Acq: 8 Jan 2019 16:55

Tgt Ion: 62 Resp: 369605

Ion Ratio Lower Upper

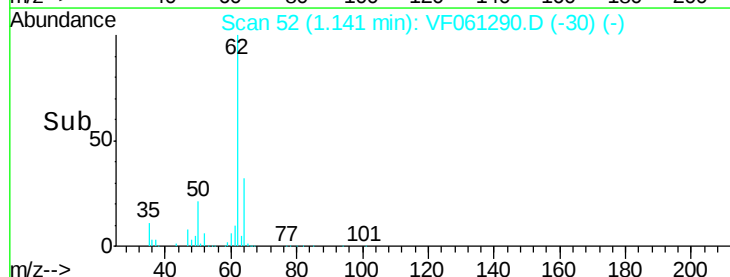
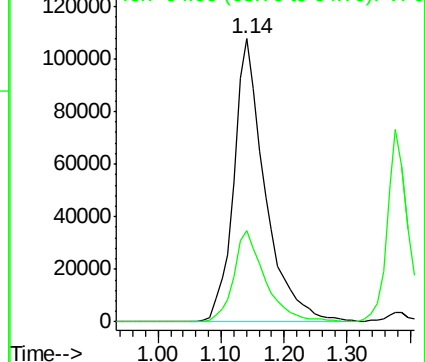
62 100

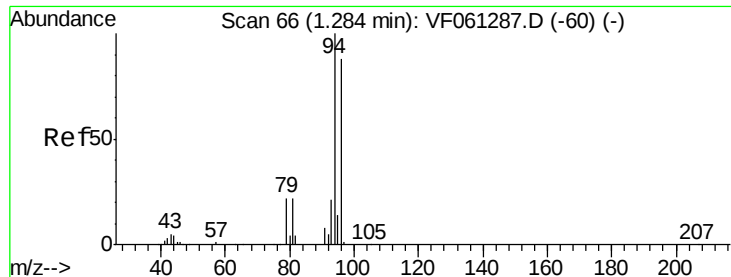
64 32.3 25.4 38.0



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 154.633 ug/l

RT: 1.30 min Scan# 68

Delta R.T. 0.01 min

Lab File: VF061290.D

Acq: 8 Jan 2019 16:55

Instrument :

MSVOA_F

ClientSampleId :

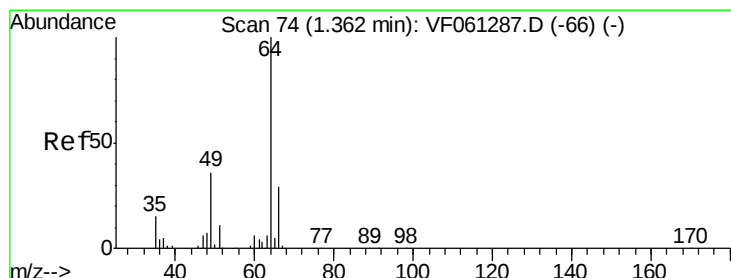
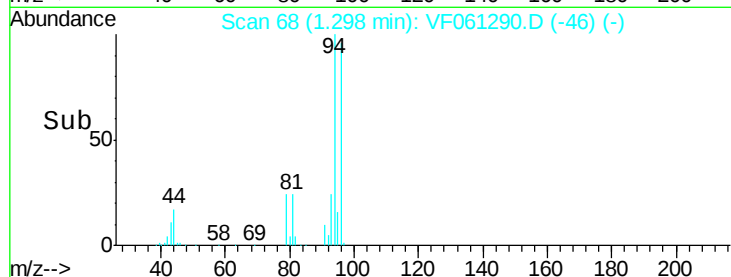
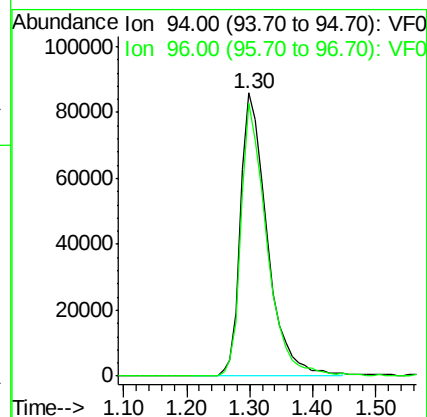
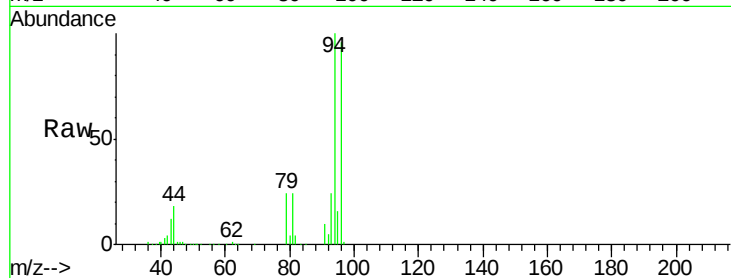
VSTDIC150

Tot Ion: 94 Resp: 251346

Ion Ratio Lower Upper

94 100

96 96.3 70.2 105.4



#6

Chloroethane

Concen: 160.606 ug/l

RT: 1.38 min Scan# 76

Delta R.T. 0.01 min

Lab File: VF061290.D

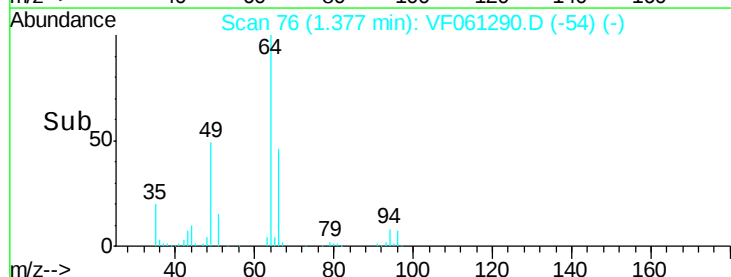
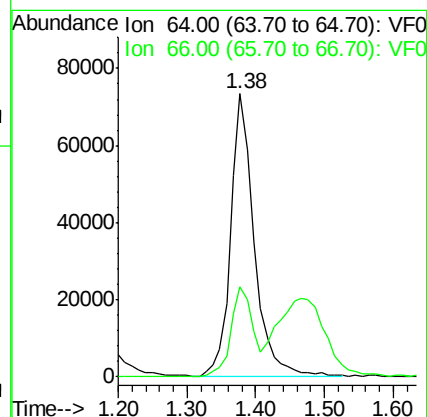
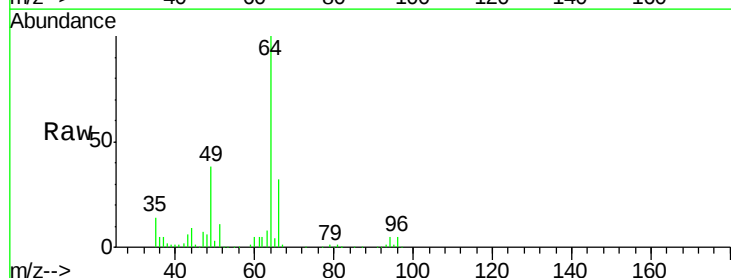
Acq: 8 Jan 2019 16:55

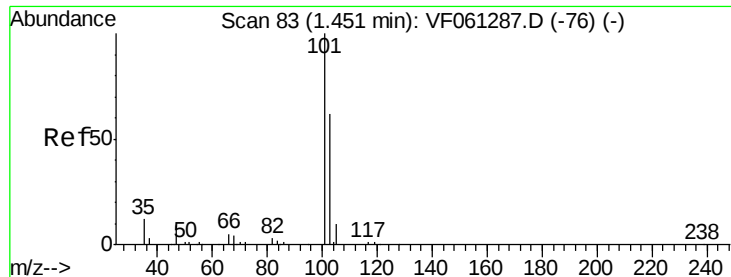
Tgt Ion: 64 Resp: 173045

Ion Ratio Lower Upper

64 100

66 31.7 23.4 35.0





#7

Trichlorofluoromethane

Concen: 151.759 ug/l

RT: 1.48 min Scan# 86

Delta R.T. 0.02 min

Lab File: VF061290.D

Acq: 8 Jan 2019 16:55

Instrument :

MSVOA_F

ClientSampleId :

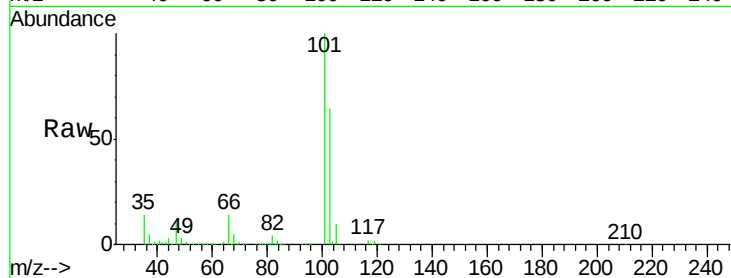
VSTDIC150

Tot Ion:101 Resp: 649276

Ion Ratio Lower Upper

101 100

103 63.6 49.9 74.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

150000

100000

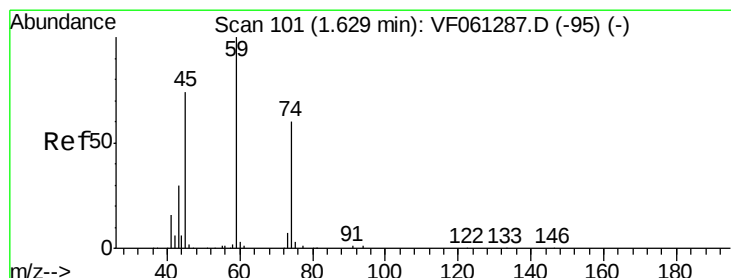
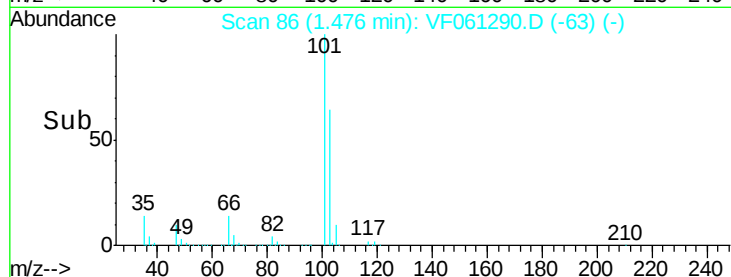
50000

0

1.48

1.30 1.40 1.50 1.60

Time-->



#8

Diethyl Ether

Concen: 157.787 ug/l

RT: 1.63 min Scan# 102

Delta R.T. 0.01 min

Lab File: VF061290.D

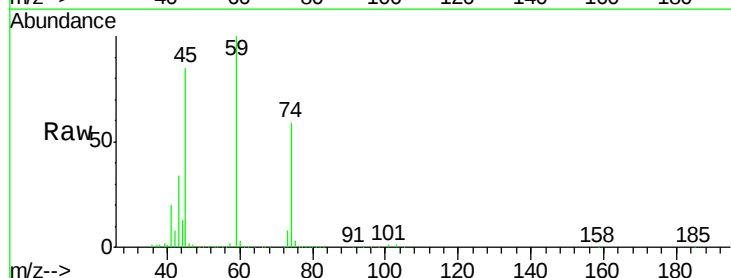
Acq: 8 Jan 2019 16:55

Tgt Ion: 74 Resp: 96307

Ion Ratio Lower Upper

74 100

45 143.9 62.1 186.3



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0

80000

60000

40000

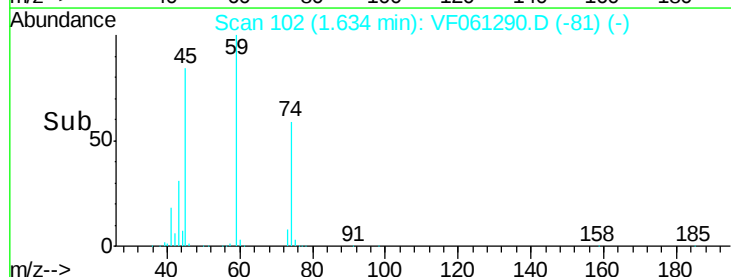
20000

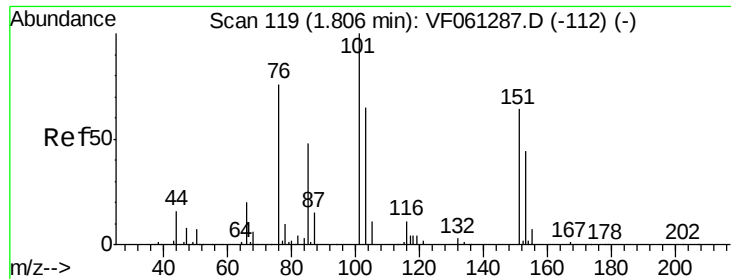
0

1.63

1.60 1.70

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 149.148 ug/l

RT: 1.82 min Scan# 121

Delta R.T. 0.01 min

Lab File: VF061290.D

Acq: 8 Jan 2019 16:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

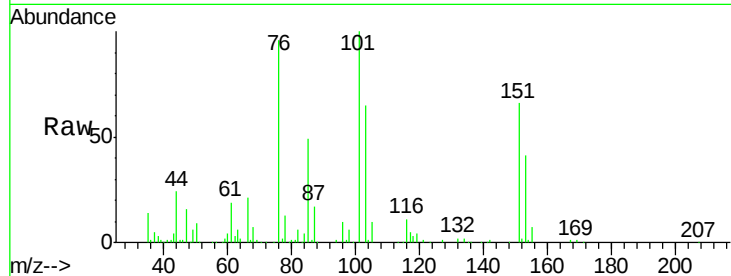
Tot Ion:101 Resp: 318806

Ion Ratio Lower Upper

101 100

85 49.0 38.4 57.6

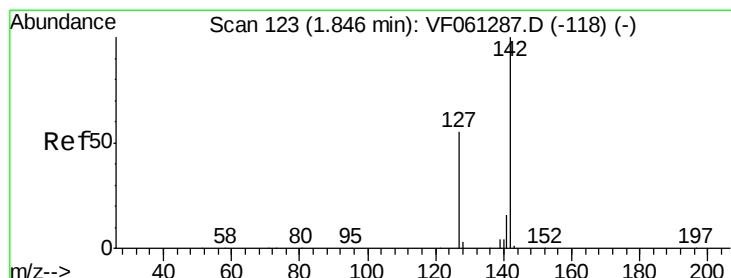
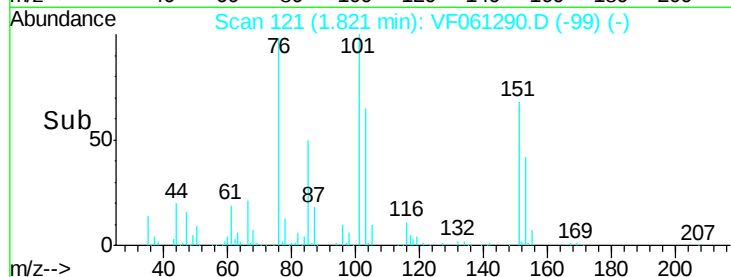
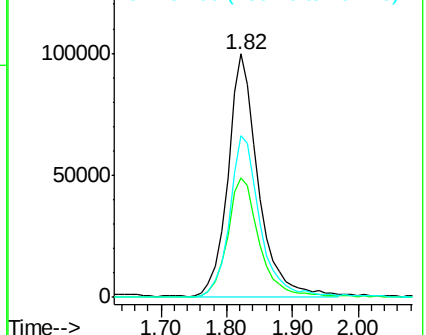
151 66.4 51.4 77.2



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: 88.275 ug/l

RT: 1.85 min Scan# 124

Delta R.T. 0.01 min

Lab File: VF061290.D

Acq: 8 Jan 2019 16:55

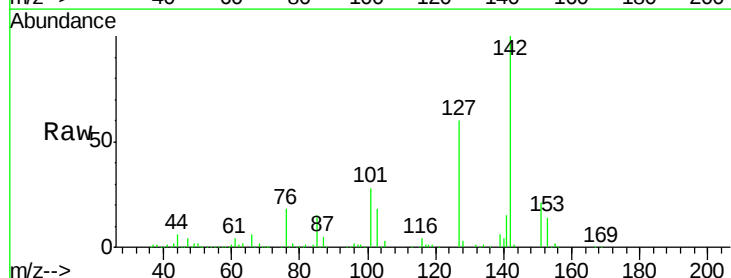
Tgt Ion:142 Resp: 304866

Ion Ratio Lower Upper

142 100

127 59.7 44.3 66.5

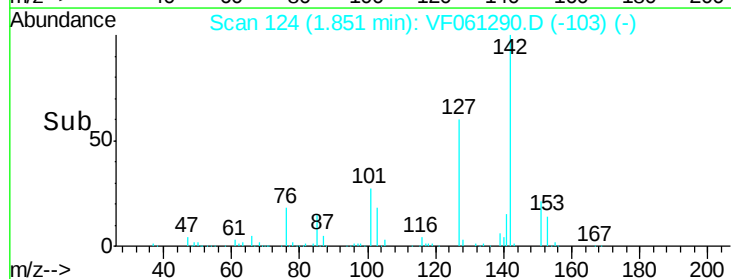
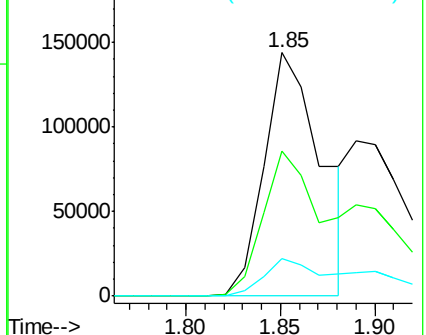
141 15.4 13.2 19.8

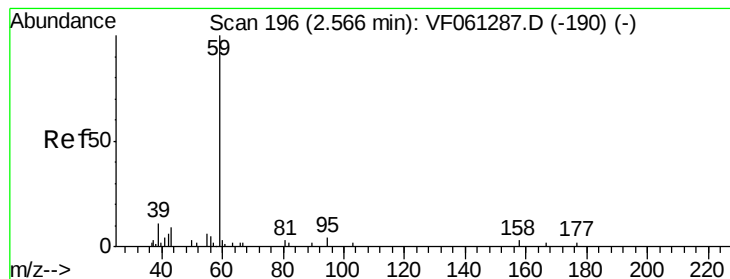


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



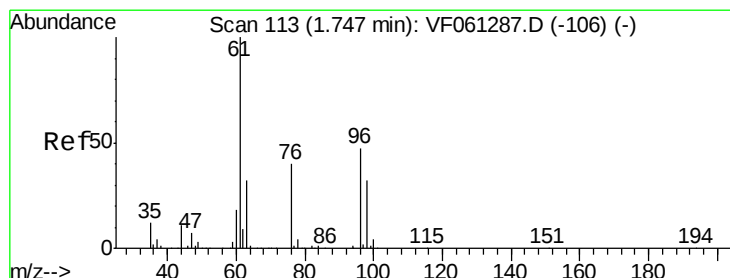
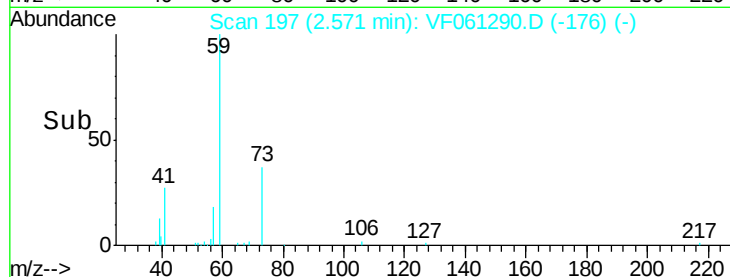
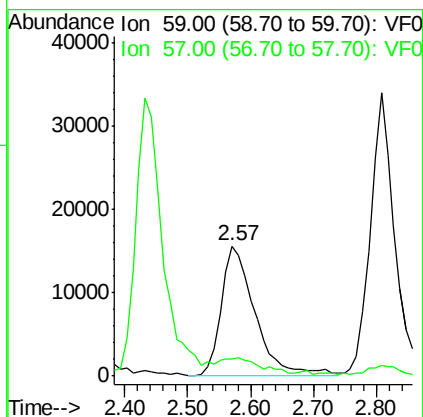
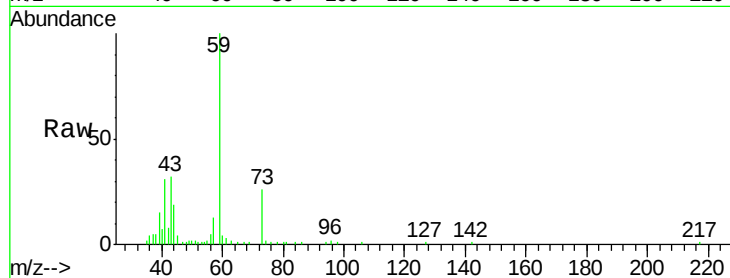


#11

Tert butyl alcohol
Concen: 573.214 ug/l
RT: 2.57 min Scan# 197
Delta R.T. 0.01 min
Lab File: VF061290.D
Acq: 8 Jan 2019 16:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

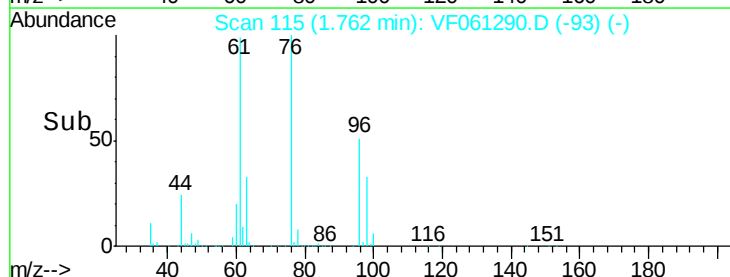
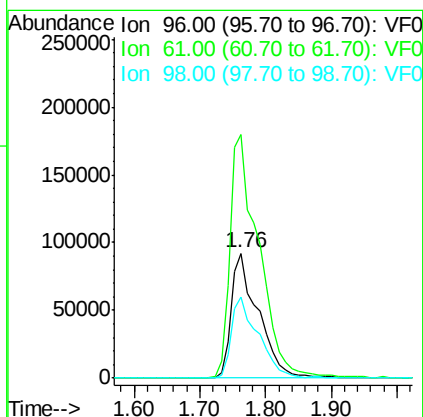
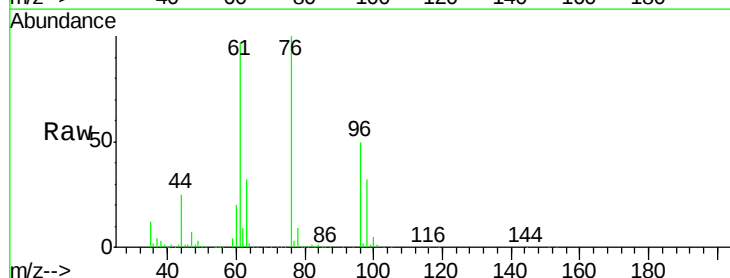
Tot Ion: 59 Resp: 57293
Ion Ratio Lower Upper
59 100
57 13.2 15.1 22.7#

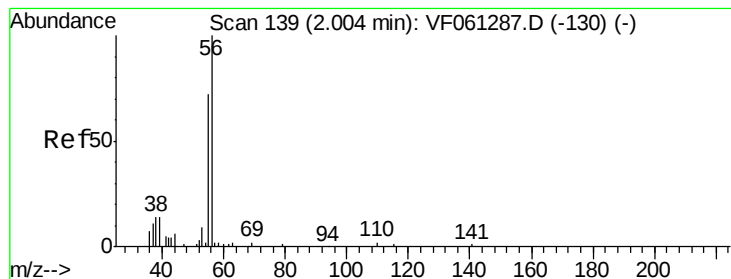


#12

1,1-Dichloroethene
Concen: 147.072 ug/l
RT: 1.76 min Scan# 115
Delta R.T. 0.01 min
Lab File: VF061290.D
Acq: 8 Jan 2019 16:55

Tgt Ion: 96 Resp: 264256
Ion Ratio Lower Upper
96 100
61 194.8 171.8 257.8
98 64.7 54.2 81.4





#13

Acrolein

Concen: 629.595 ug/l

RT: 2.01 min Scan# 140

Delta R.T. 0.01 min

Lab File: VF061290.D

Acq: 8 Jan 2019 16:55

Instrument :

MSVOA_F

ClientSampleId :

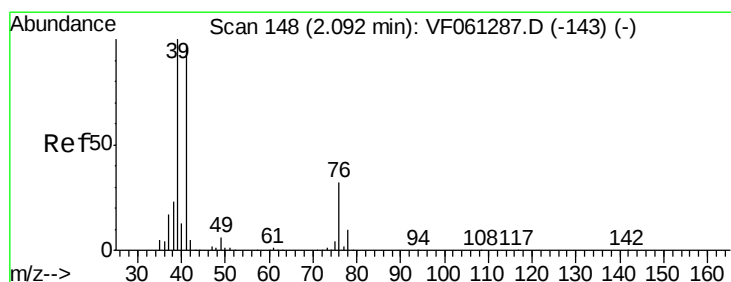
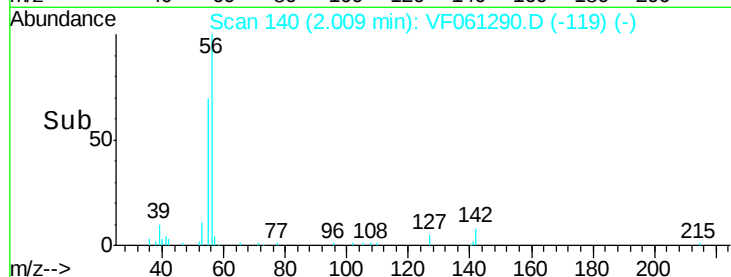
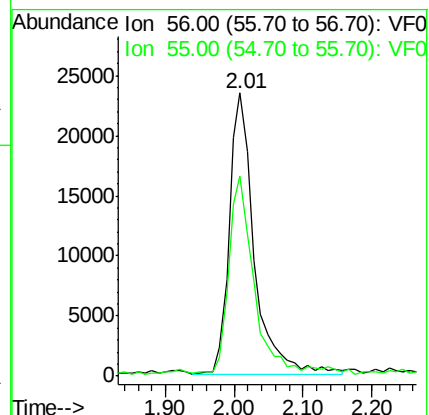
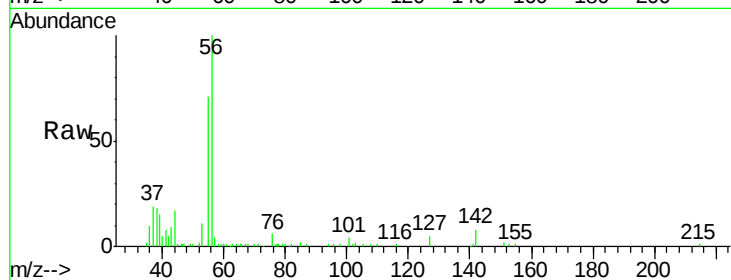
VSTDIC150

Tot Ion: 56 Resp: 58901

Ion Ratio Lower Upper

56 100

55 70.9 59.4 89.0



#14

Allyl chloride

Concen: 198.027 ug/l

RT: 2.11 min Scan# 150

Delta R.T. 0.01 min

Lab File: VF061290.D

Acq: 8 Jan 2019 16:55

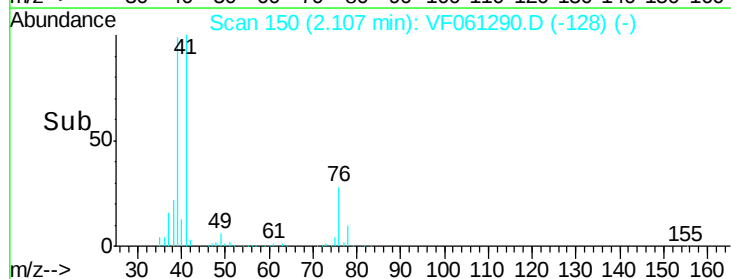
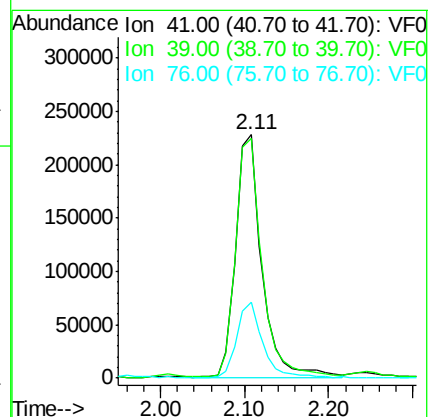
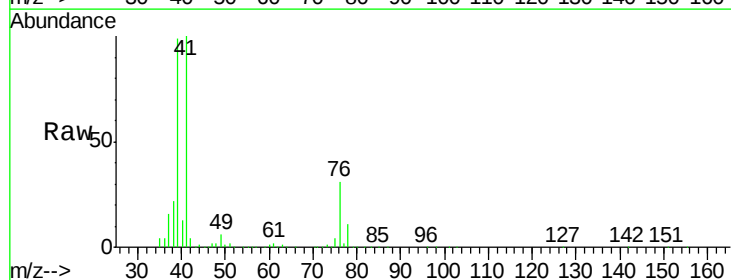
Tgt Ion: 41 Resp: 491903

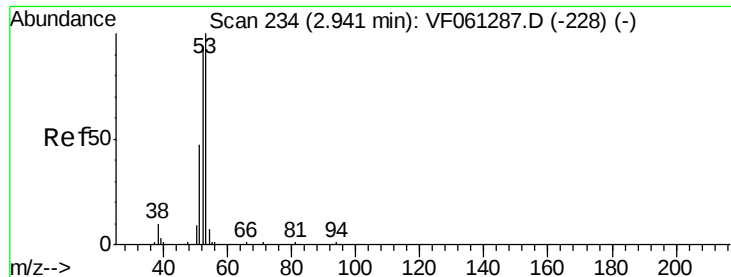
Ion Ratio Lower Upper

41 100

39 98.7 82.6 123.8

76 31.4 26.9 40.3





#15

Acrylonitrile

Concen: 781.811 ug/l

RT: 2.96 min Scan# 236

Delta R.T. 0.01 min

Lab File: VF061290.D

Acq: 8 Jan 2019 16:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

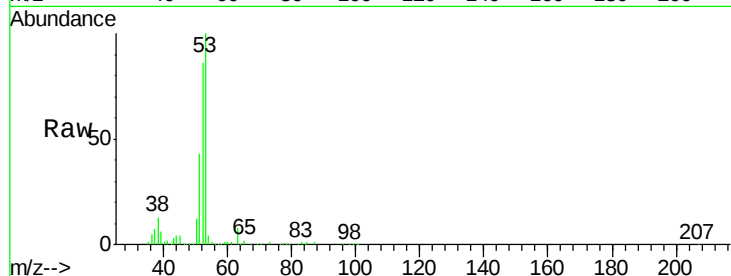
Tot Ion: 53 Resp: 208908

Ion Ratio Lower Upper

53 100

52 85.5 74.6 111.8

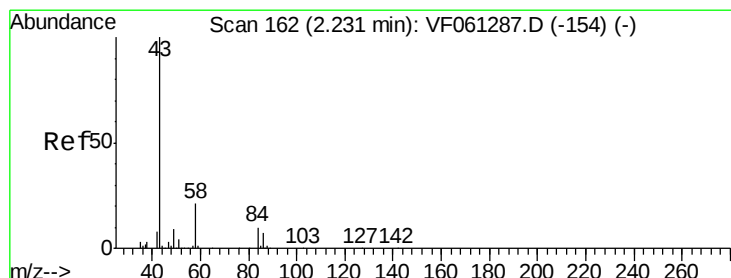
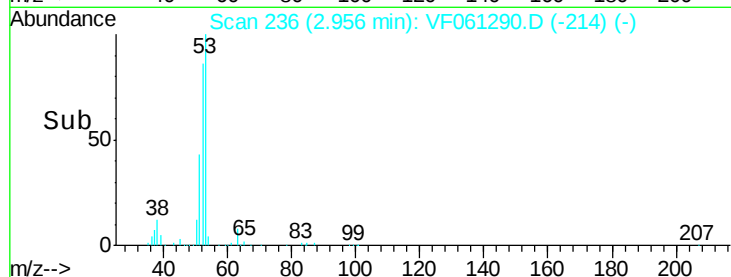
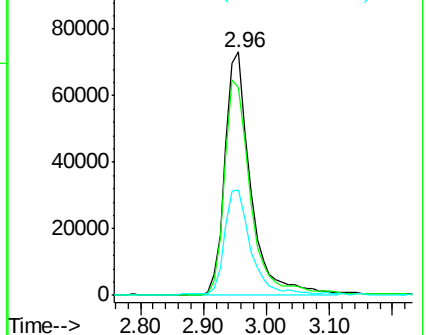
51 43.1 37.8 56.6



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 636.165 ug/l

RT: 2.25 min Scan# 164

Delta R.T. 0.01 min

Lab File: VF061290.D

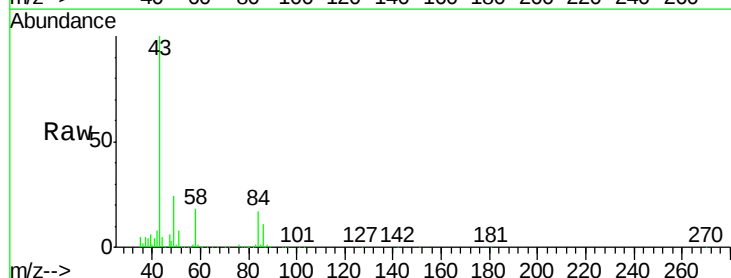
Acq: 8 Jan 2019 16:55

Tgt Ion: 43 Resp: 301779

Ion Ratio Lower Upper

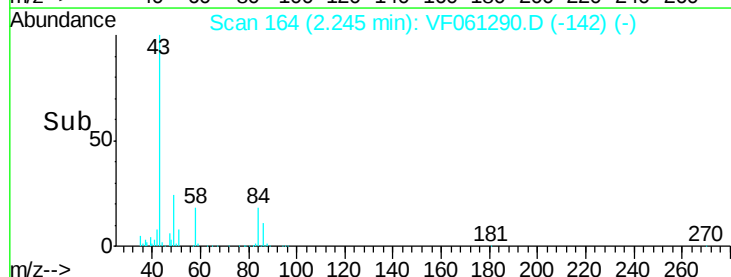
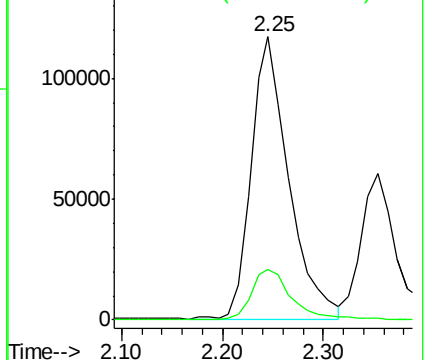
43 100

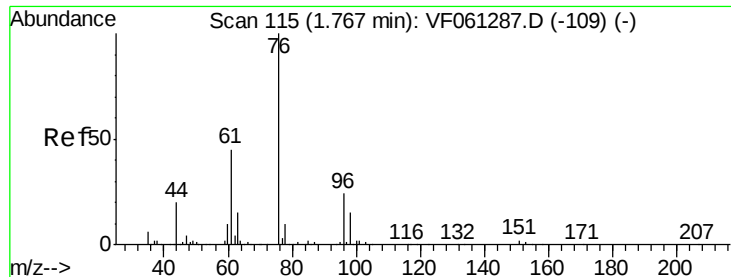
58 17.6 16.6 25.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 155.079 ug/l

RT: 1.77 min Scan# 116

Delta R.T. 0.01 min

Lab File: VF061290.D

Acq: 8 Jan 2019 16:55

Instrument :

MSVOA_F

ClientSampleId :

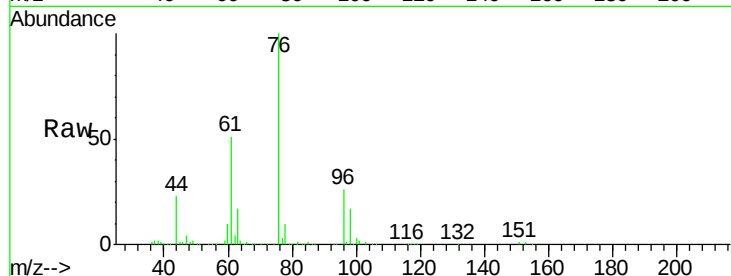
VSTDIC150

Tot Ion: 76 Resp: 848477

Ion Ratio Lower Upper

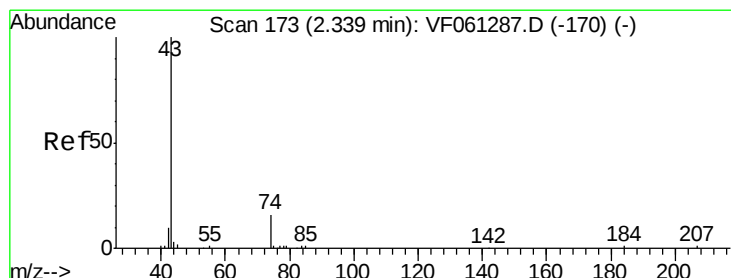
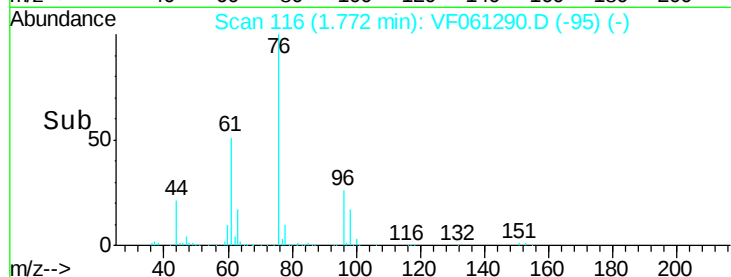
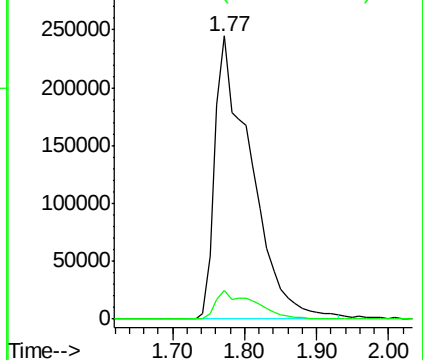
76 100

78 10.3 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 121.361 ug/l

RT: 2.35 min Scan# 175

Delta R.T. 0.01 min

Lab File: VF061290.D

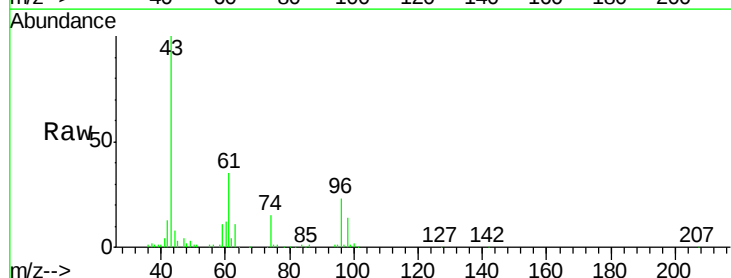
Acq: 8 Jan 2019 16:55

Tgt Ion: 43 Resp: 127399

Ion Ratio Lower Upper

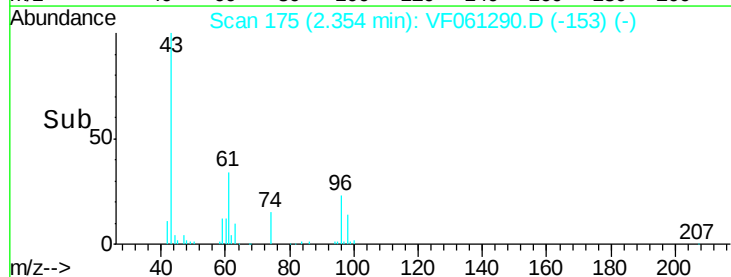
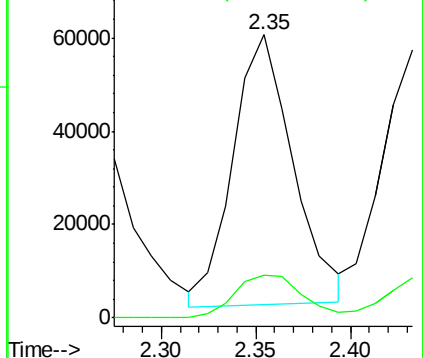
43 100

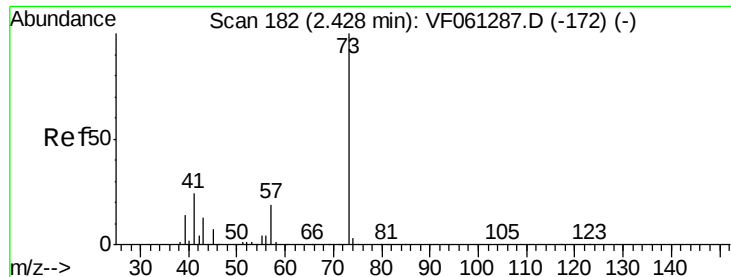
74 15.0 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0



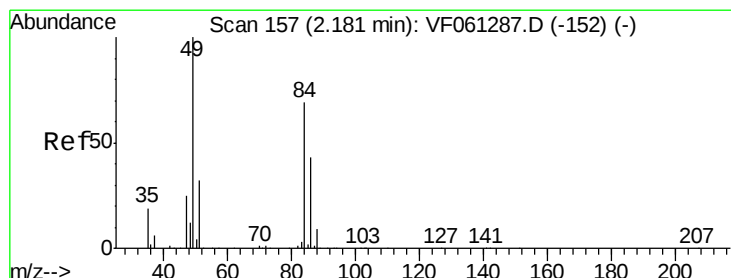
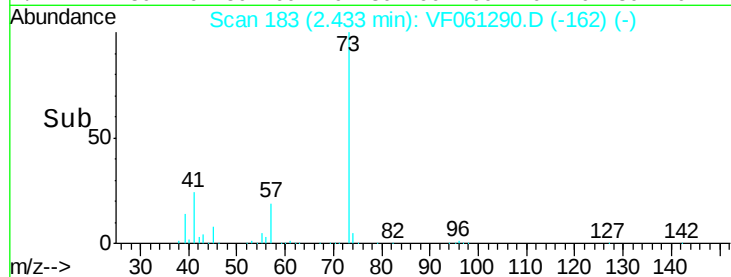
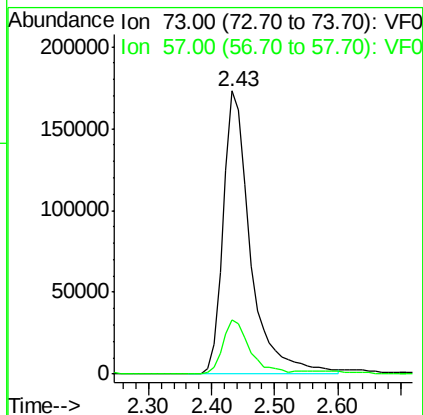
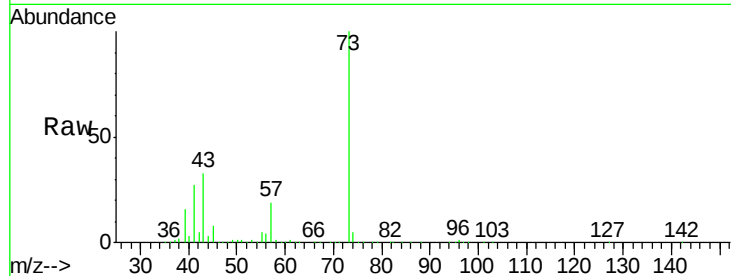


#19

Methyl tert-butyl Ether
 Concen: 139.158 ug/l
 RT: 2.43 min Scan# 183
 Delta R.T. 0.01 min
 Lab File: VF061290.D
 Acq: 8 Jan 2019 16:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

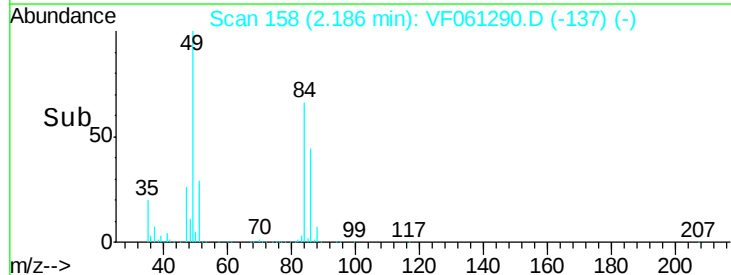
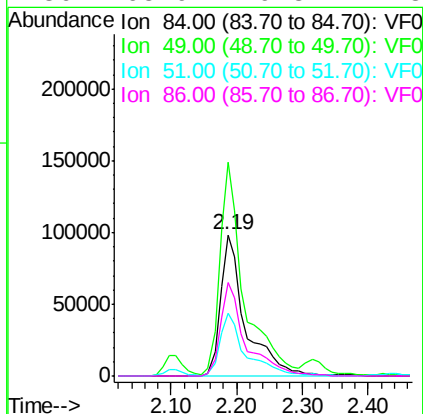
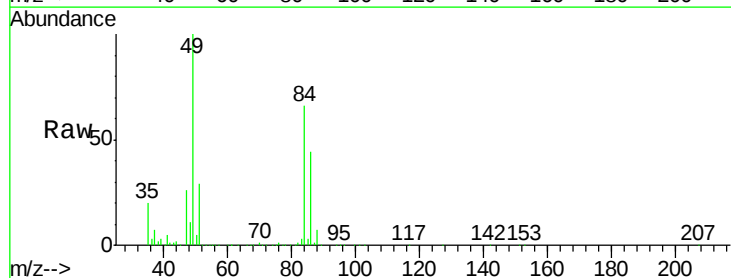
Tot Ion: 73 Resp: 521190
 Ion Ratio Lower Upper
 73 100
 57 19.3 15.5 23.3

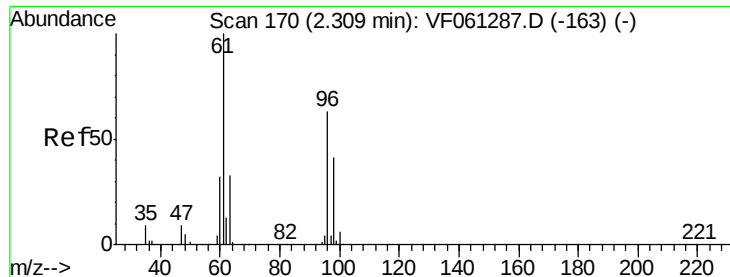


#20

Methylene Chloride
 Concen: 118.402 ug/l
 RT: 2.19 min Scan# 158
 Delta R.T. 0.01 min
 Lab File: VF061290.D
 Acq: 8 Jan 2019 16:55

Tgt Ion: 84 Resp: 260667
 Ion Ratio Lower Upper
 84 100
 49 151.4 116.6 175.0
 51 44.5 37.7 56.5
 86 65.9 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 156.490 ug/l

RT: 2.31 min Scan# 171

Delta R.T. 0.01 min

Lab File: VF061290.D

Acq: 8 Jan 2019 16:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

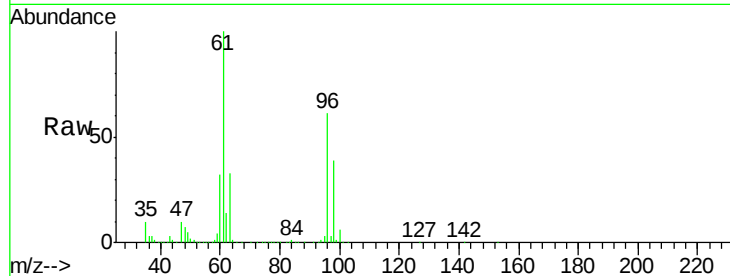
Tot Ion: 96 Resp: 295732

Ion Ratio Lower Upper

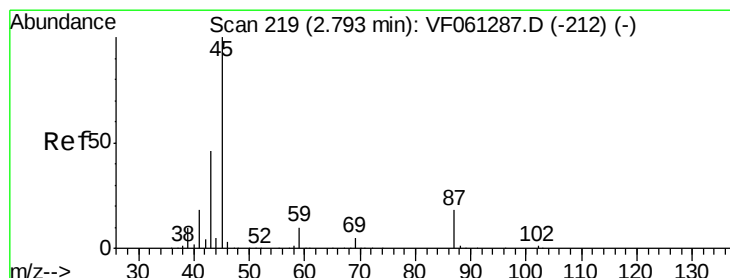
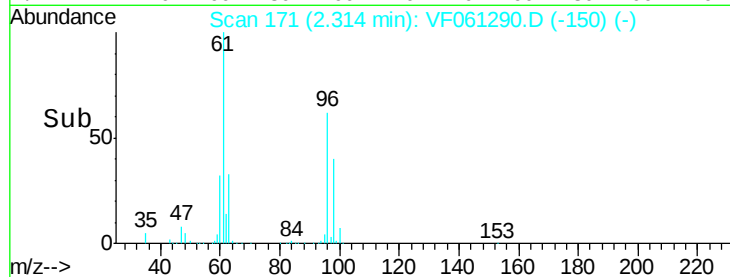
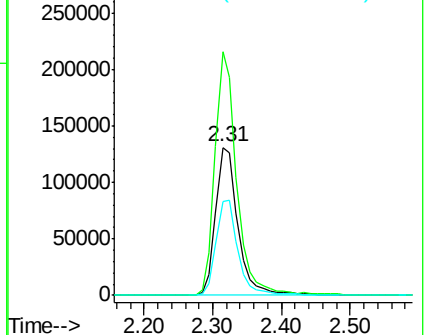
96 100

61 164.9 127.0 190.4

98 64.0 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: 151.963 ug/l

RT: 2.81 min Scan# 221

Delta R.T. 0.01 min

Lab File: VF061290.D

Acq: 8 Jan 2019 16:55

Tgt Ion: 45 Resp: 949168

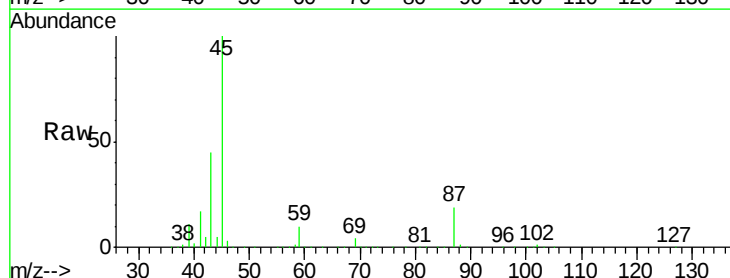
Ion Ratio Lower Upper

45 100

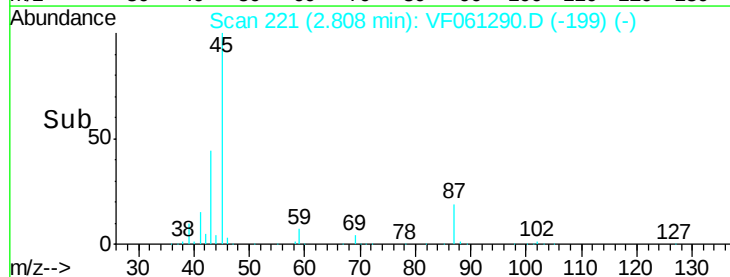
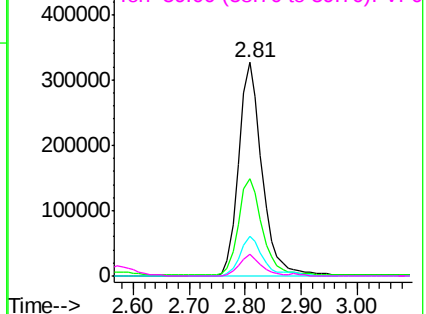
43 45.4 37.4 56.2

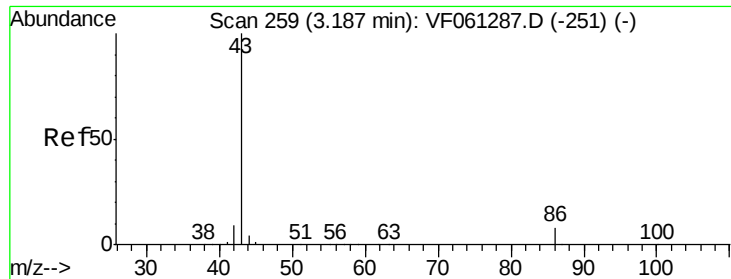
87 18.8 14.2 21.2

59 10.4 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

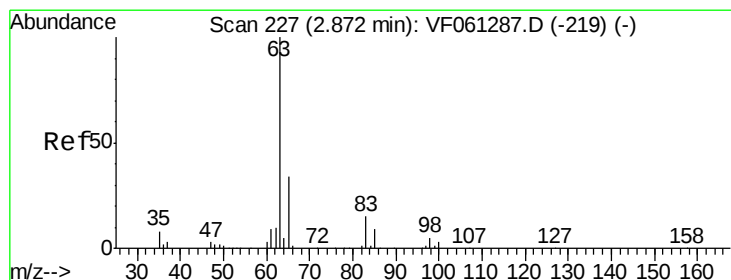
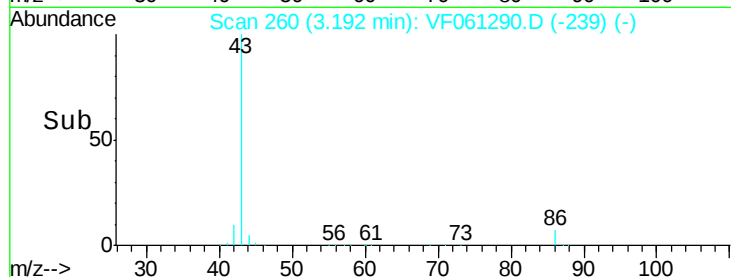
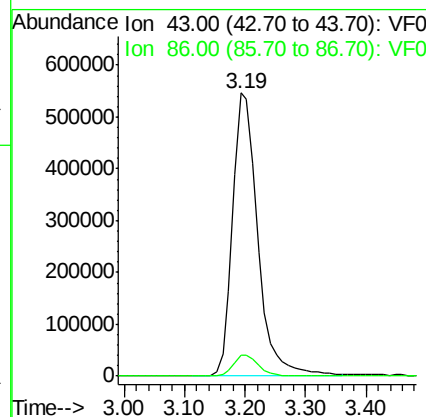
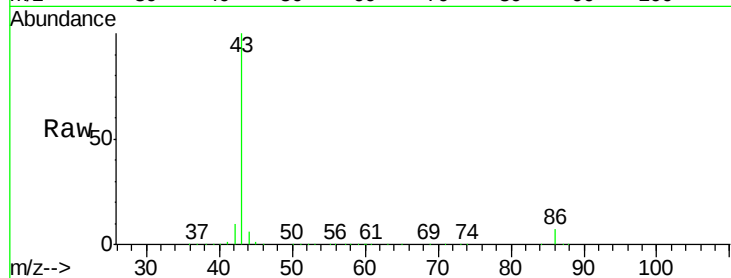




#23
 Vinyl Acetate
 Concen: 549.882 ug/l
 RT: 3.19 min Scan# 260
 Delta R.T. 0.01 min
 Lab File: VF061290.D
 Acq: 8 Jan 2019 16:55

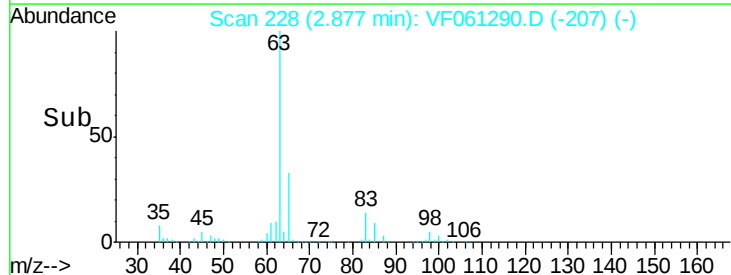
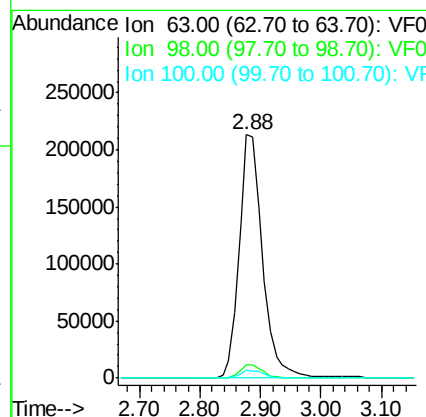
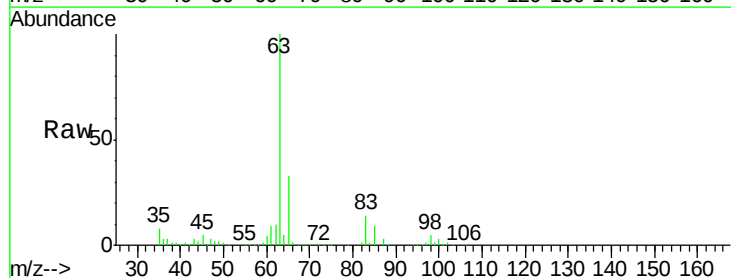
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

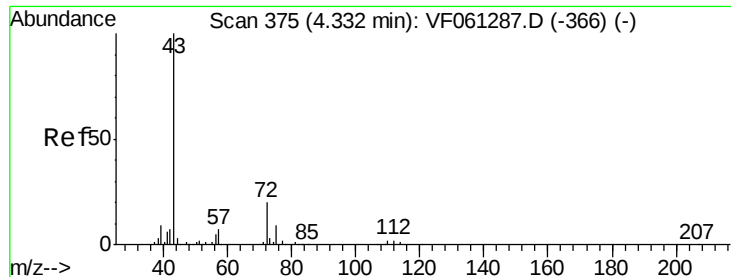
Tot Ion: 43 Resp: 1572912
 Ion Ratio Lower Upper
 43 100
 86 7.5 6.5 9.7



#24
 1,1-Dichloroethane
 Concen: 156.565 ug/l
 RT: 2.88 min Scan# 228
 Delta R.T. 0.01 min
 Lab File: VF061290.D
 Acq: 8 Jan 2019 16:55

Tgt Ion: 63 Resp: 573346
 Ion Ratio Lower Upper
 63 100
 98 5.4 2.5 7.6
 100 3.1 1.7 5.0





#25

2-Butanone

Concen: 559.667 ug/l

RT: 4.35 min Scan# 377

Delta R.T. 0.01 min

Lab File: VF061290.D

Acq: 8 Jan 2019 16:55

Instrument :

MSVOA_F

ClientSampleId :

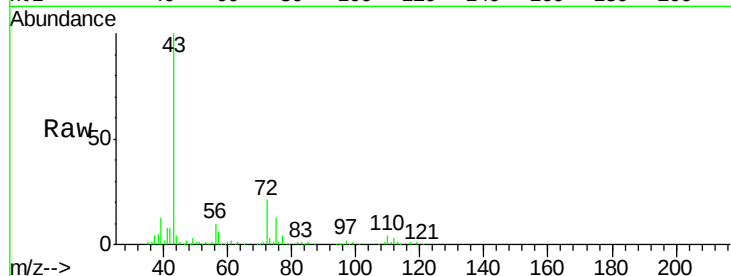
VSTDIC150

Tot Ion: 43 Resp: 498373

Ion Ratio Lower Upper

43 100

72 21.2 16.5 24.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

4.35

120000

100000

80000

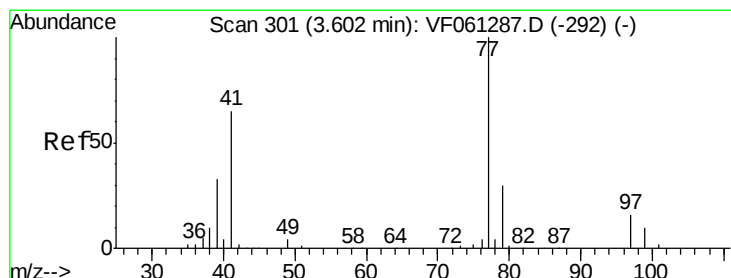
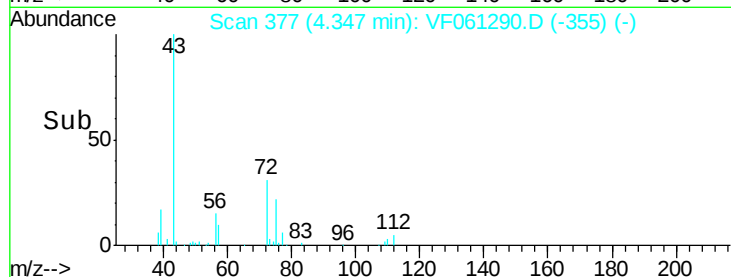
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 168.434 ug/l

RT: 3.61 min Scan# 302

Delta R.T. 0.01 min

Lab File: VF061290.D

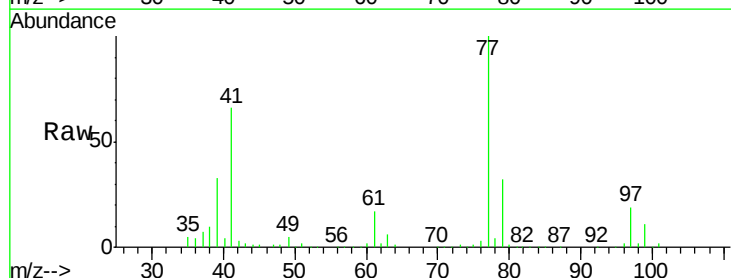
Acq: 8 Jan 2019 16:55

Tgt Ion: 77 Resp: 355202

Ion Ratio Lower Upper

77 100

97 18.8 8.6 25.9



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

3.61

120000

100000

80000

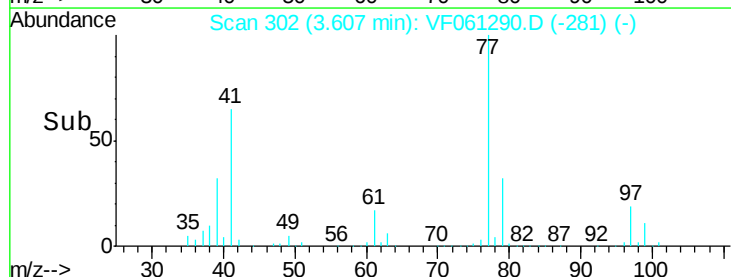
60000

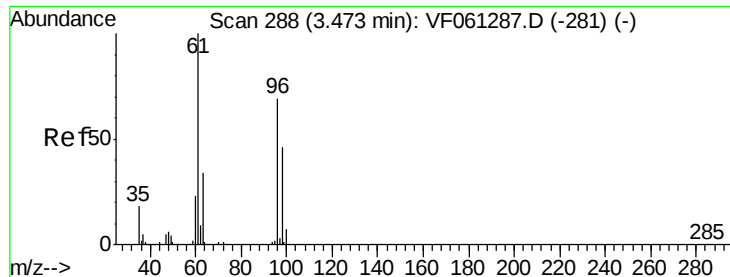
40000

20000

0

Time-->



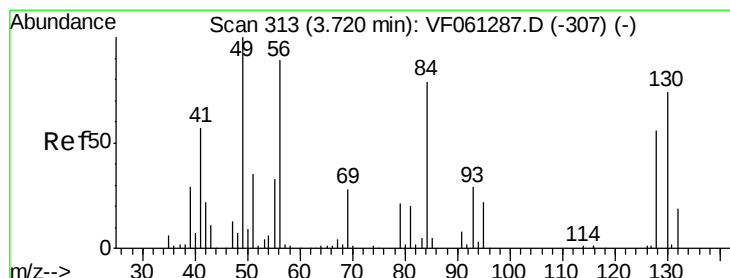
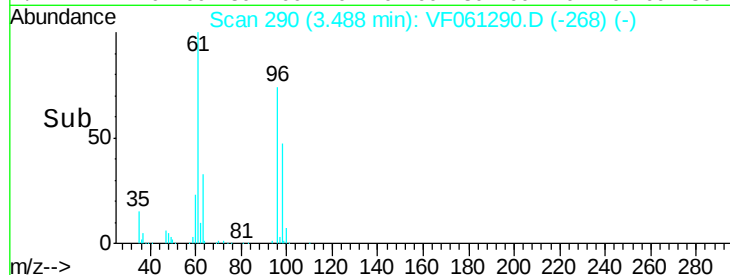
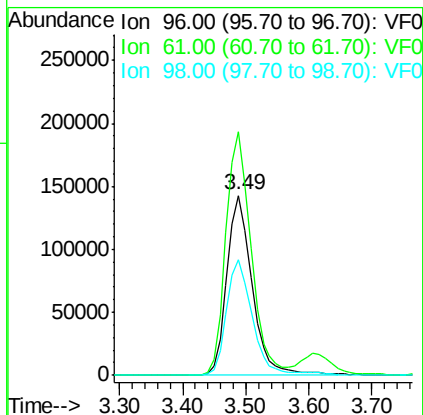
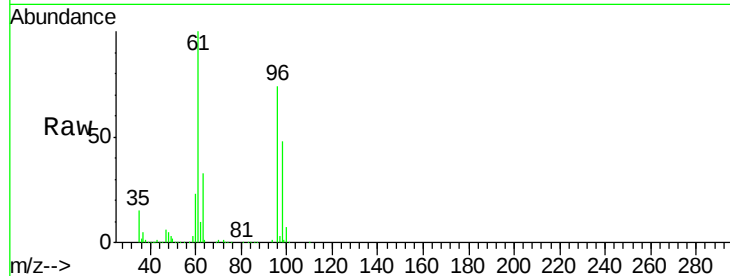


#27

cis-1,2-Dichloroethene
Concen: 143.419 ug/l
RT: 3.49 min Scan# 290
Delta R.T. 0.01 min
Lab File: VF061290.D
Acq: 8 Jan 2019 16:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

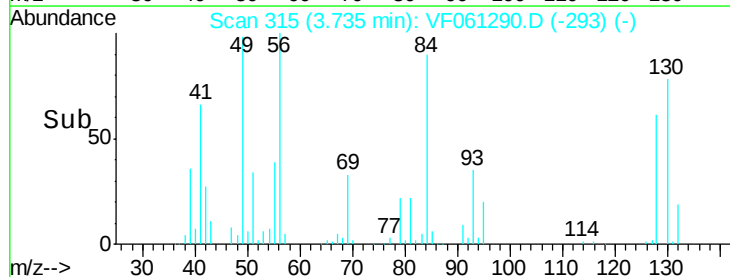
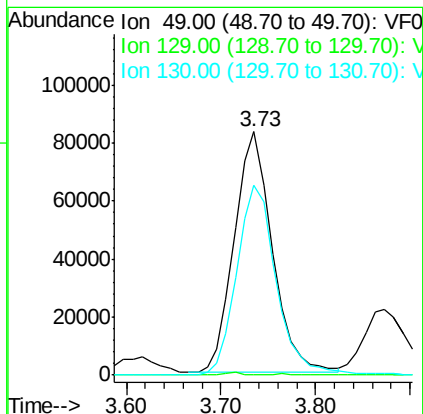
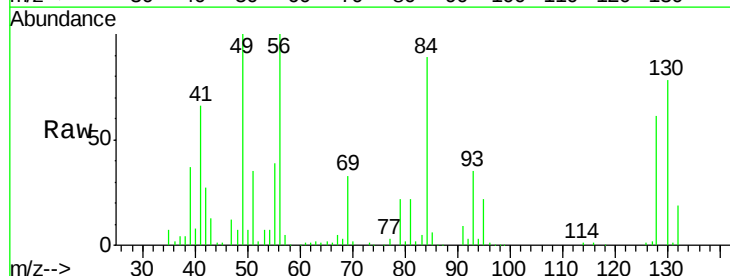
Tot Ion	Ratio	Lower	Upper
96	100		
61	135.5	0.0	288.2
98	64.4	0.0	132.2

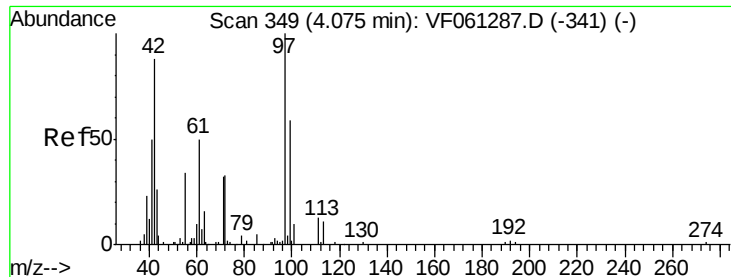


#28

Bromochloromethane
Concen: 134.284 ug/l
RT: 3.73 min Scan# 315
Delta R.T. 0.01 min
Lab File: VF061290.D
Acq: 8 Jan 2019 16:55

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	78.1	58.6	88.0





#29

Tetrahydrofuran

Concen: 629.278 ug/l

RT: 4.08 min Scan# 350

Delta R.T. 0.01 min

Lab File: VF061290.D

Acq: 8 Jan 2019 16:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

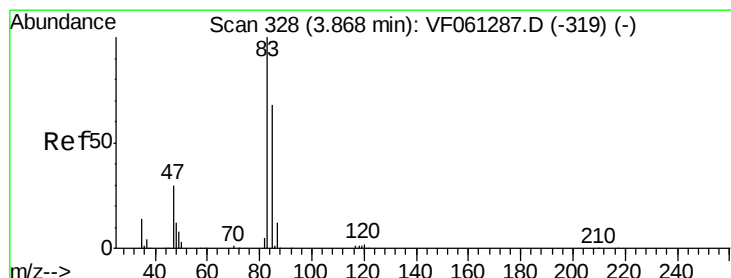
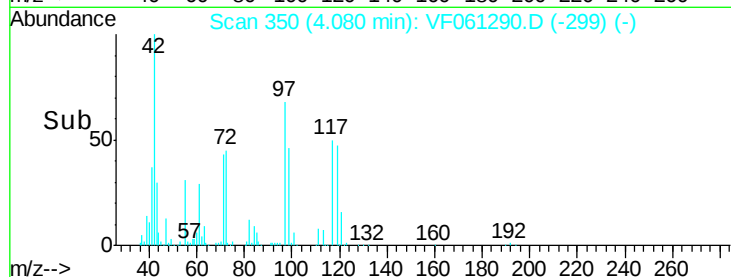
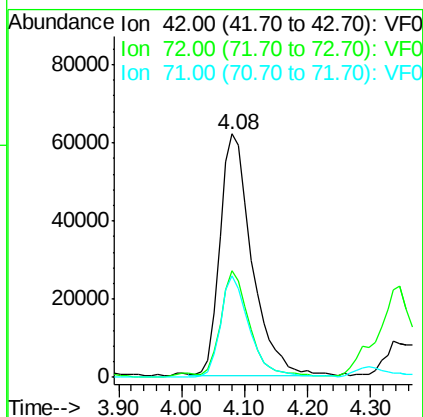
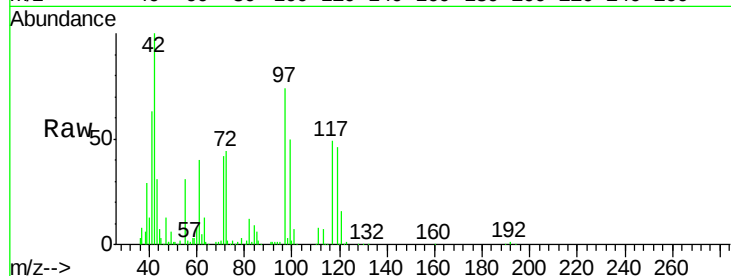
Tot Ion: 42 Resp: 217872

Ion Ratio Lower Upper

42 100

72 39.4 32.3 48.5

71 38.3 29.5 44.3



#30

Chloroform

Concen: 134.432 ug/l

RT: 3.87 min Scan# 329

Delta R.T. 0.01 min

Lab File: VF061290.D

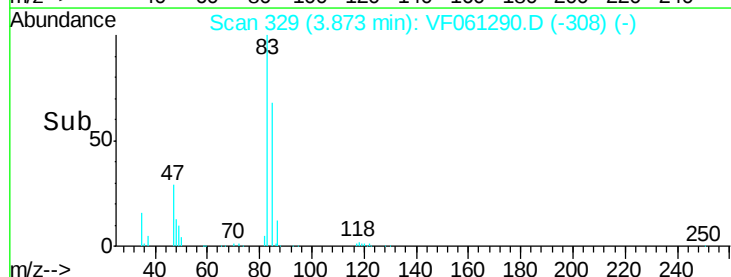
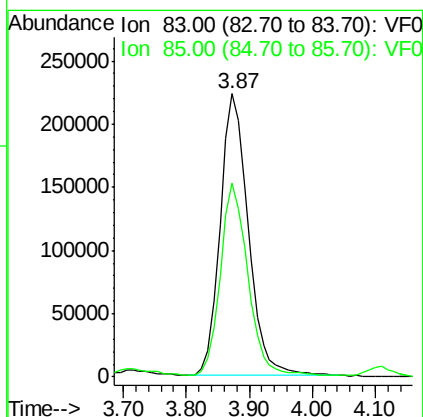
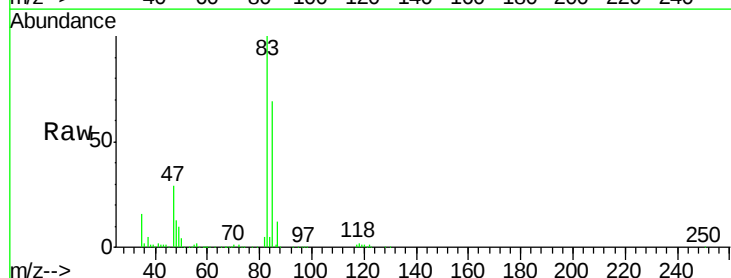
Acq: 8 Jan 2019 16:55

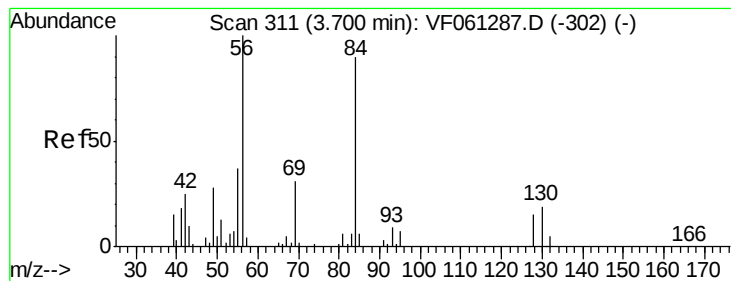
Tgt Ion: 83 Resp: 688607

Ion Ratio Lower Upper

83 100

85 68.6 54.4 81.6





#31

Cyclohexane

Concen: 148.761 ug/l

RT: 3.71 min Scan# 312

Delta R.T. 0.01 min

Lab File: VF061290.D

Acq: 8 Jan 2019 16:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

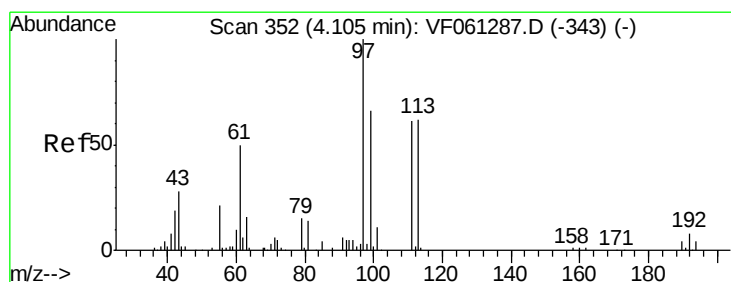
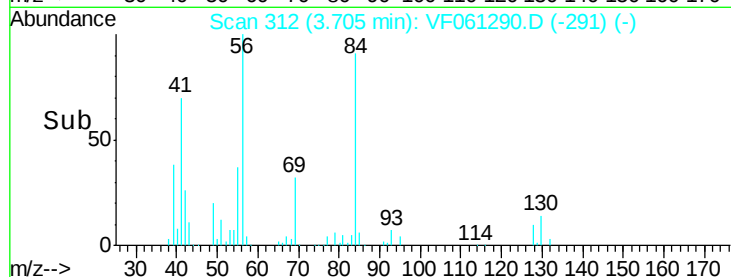
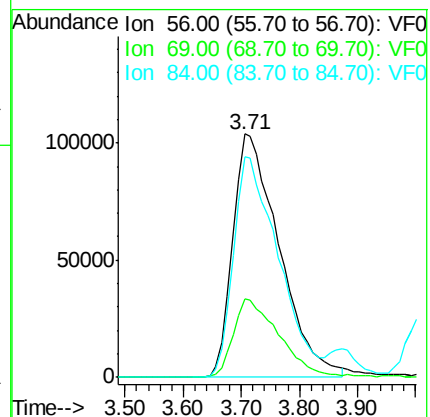
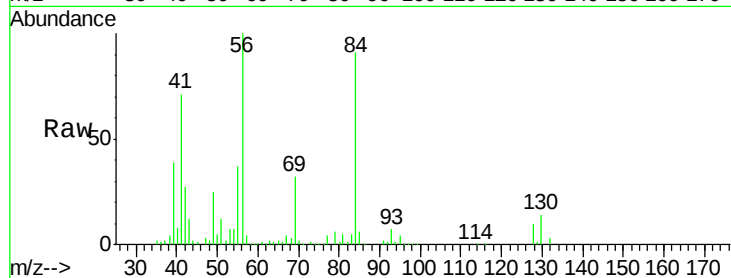
Tot Ion: 56 Resp: 577406

Ion Ratio Lower Upper

56 100

69 32.1 24.7 37.1

84 90.6 72.2 108.4



#32

1,1,1-Trichloroethane

Concen: 176.159 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.01 min

Lab File: VF061290.D

Acq: 8 Jan 2019 16:55

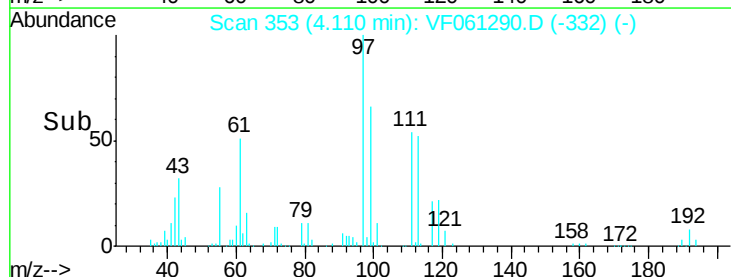
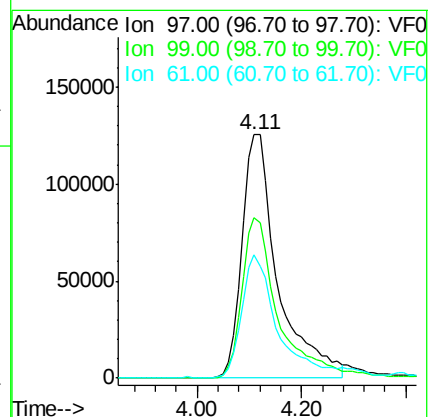
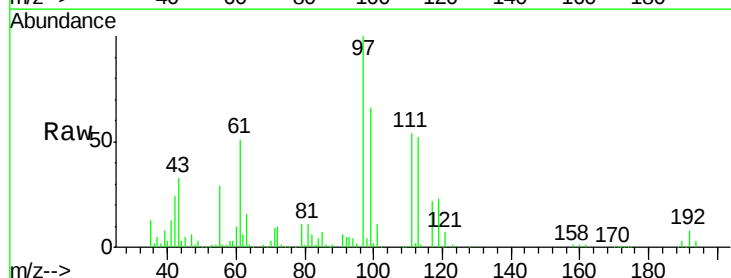
Tgt Ion: 97 Resp: 586103

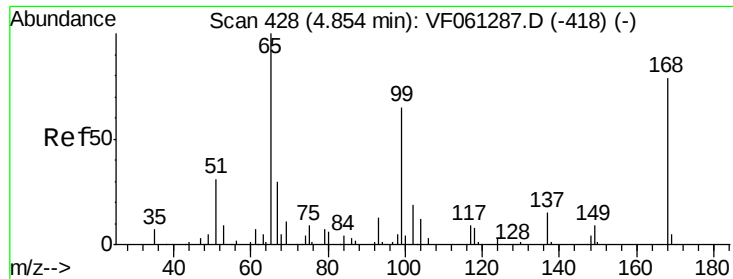
Ion Ratio Lower Upper

97 100

99 65.9 52.7 79.1

61 50.8 40.8 61.2





#33

1,2-Dichloroethane-d4

Concen: 127.227 ug/l

RT: 4.86 min Scan# 429

Delta R.T. 0.01 min

Lab File: VF061290.D

Acq: 8 Jan 2019 16:55

Instrument :

MSVOA_F

ClientSampleId :

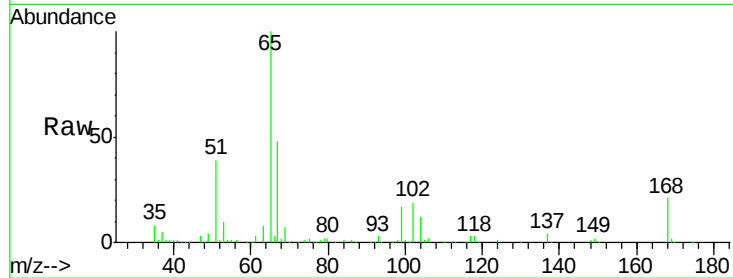
VSTDIC150

Tot Ion: 65 Resp: 301360

Ion Ratio Lower Upper

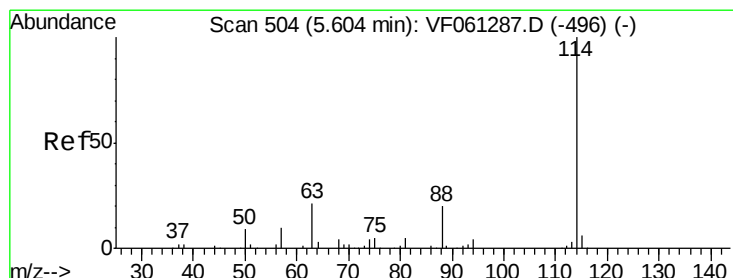
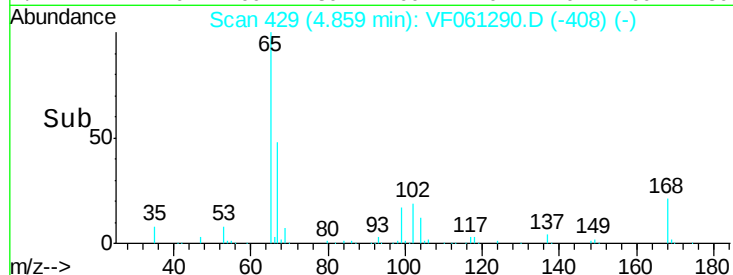
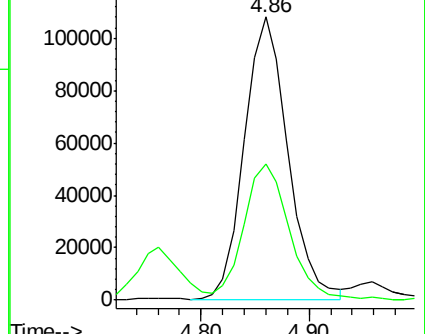
65 100

67 48.2 0.0 98.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. 0.01 min

Lab File: VF061290.D

Acq: 8 Jan 2019 16:55

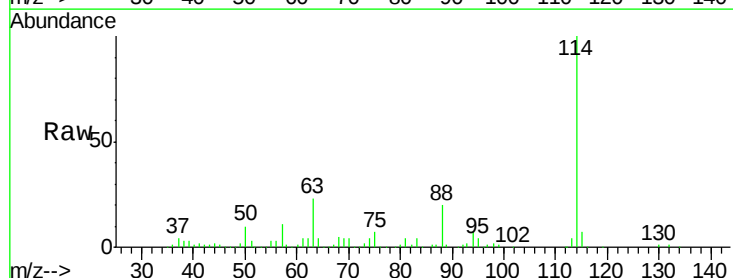
Tgt Ion: 114 Resp: 329449

Ion Ratio Lower Upper

114 100

63 22.8 0.0 42.8

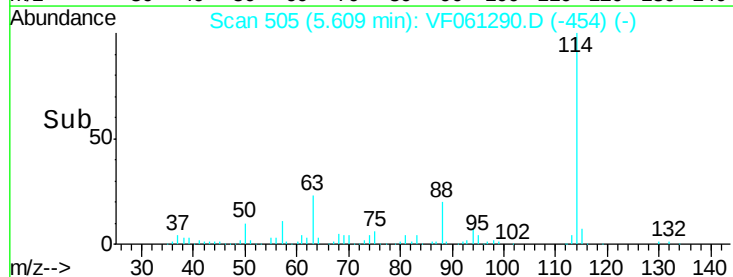
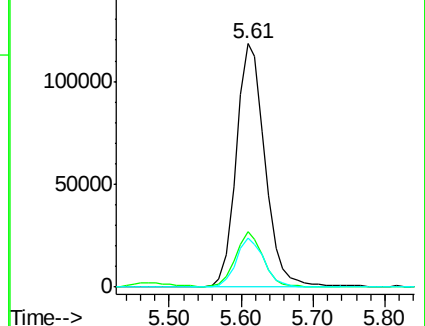
88 20.4 0.0 40.0

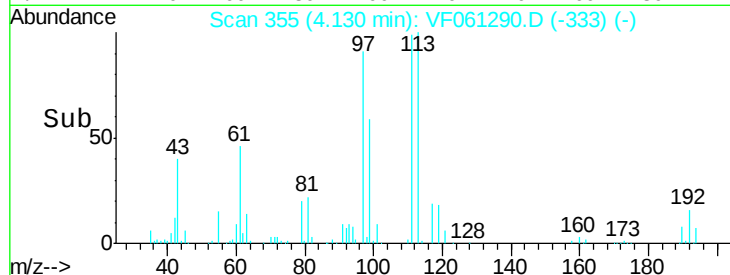
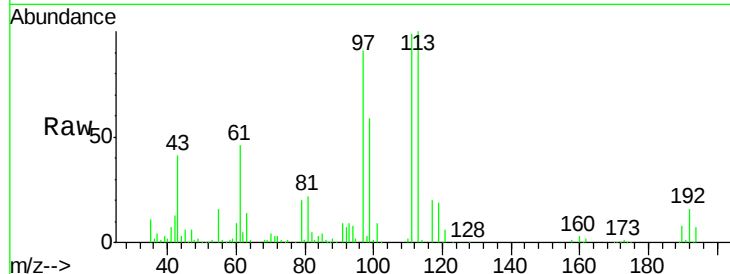
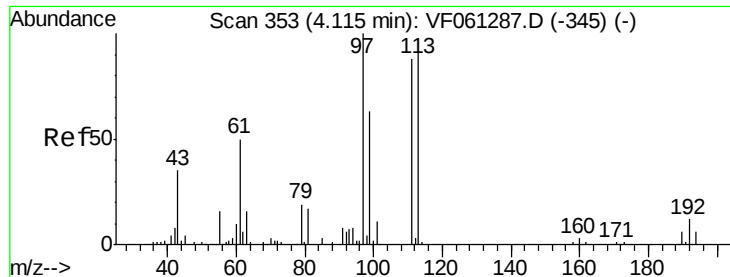


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

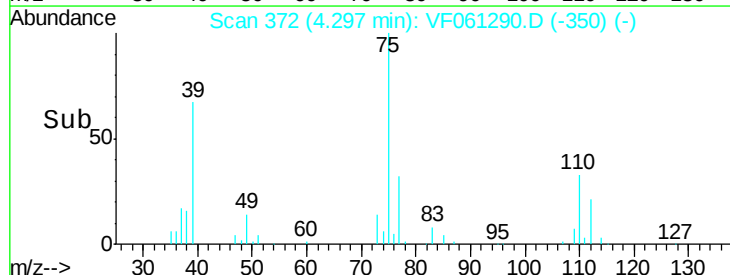
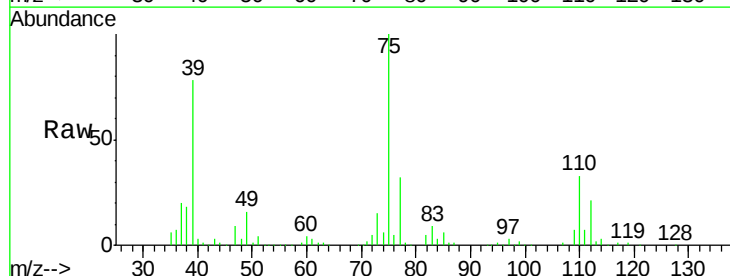
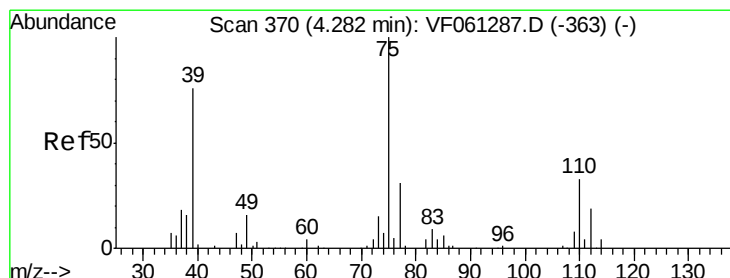
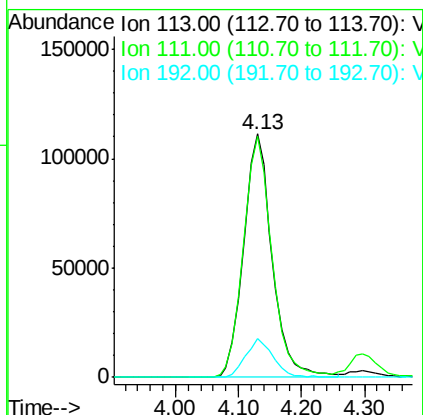




#35
Dibromofluoromethane
Concen: 138.033 ug/l
RT: 4.13 min Scan# 355
Delta R.T. 0.01 min
Lab File: VF061290.D
Acq: 8 Jan 2019 16:55

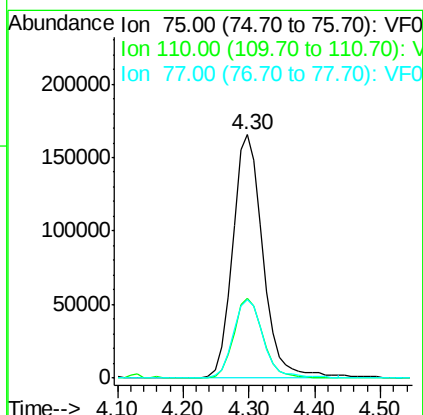
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

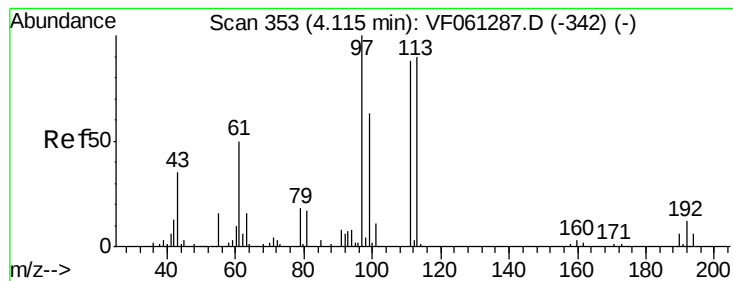
Tot Ion:113 Resp: 349861
Ion Ratio Lower Upper
113 100
111 99.2 78.0 117.0
192 15.8 10.6 16.0



#36
1,1-Dichloropropene
Concen: 136.951 ug/l
RT: 4.30 min Scan# 372
Delta R.T. 0.01 min
Lab File: VF061290.D
Acq: 8 Jan 2019 16:55

Tgt Ion: 75 Resp: 531379
Ion Ratio Lower Upper
75 100
110 32.8 16.6 49.8
77 32.4 25.1 37.7





#37

Ethyl Acetate

Concen: 127.014 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.01 min

Lab File: VF061290.D

Acq: 8 Jan 2019 16:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

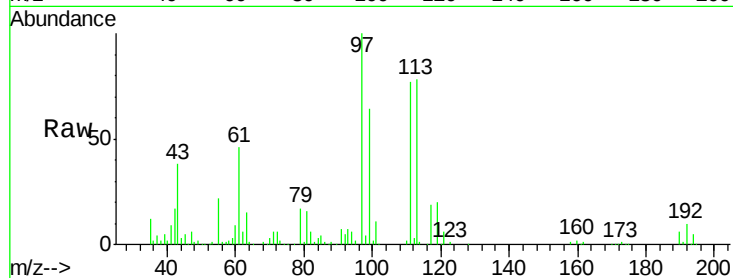
Tot Ion: 43 Resp: 196770

Ion Ratio Lower Upper

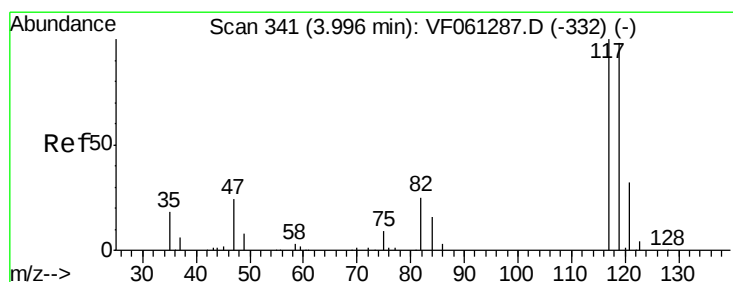
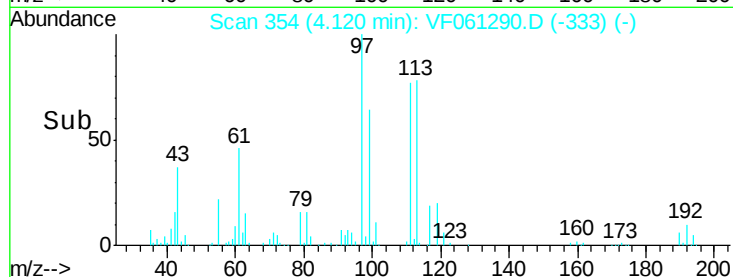
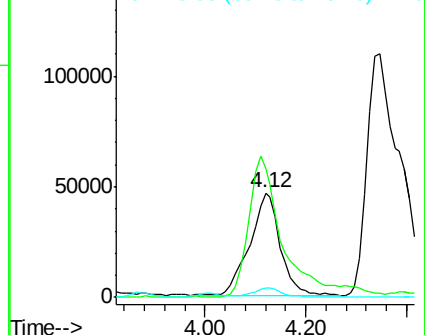
43 100

61 122.5 113.3 169.9

70 9.0 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: 200.485 ug/l

RT: 4.01 min Scan# 343

Delta R.T. 0.01 min

Lab File: VF061290.D

Acq: 8 Jan 2019 16:55

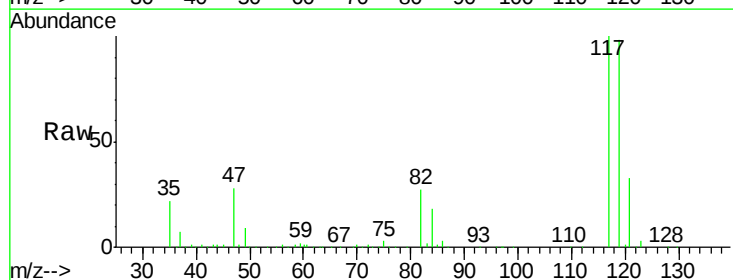
Tgt Ion: 117 Resp: 622780

Ion Ratio Lower Upper

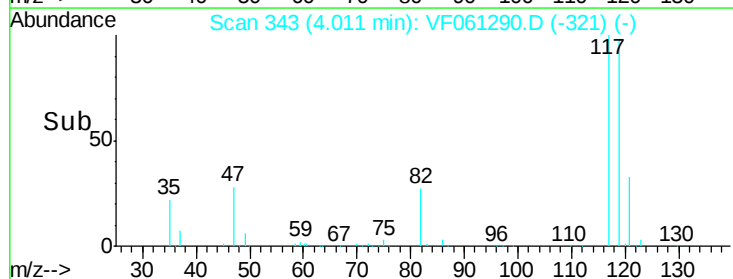
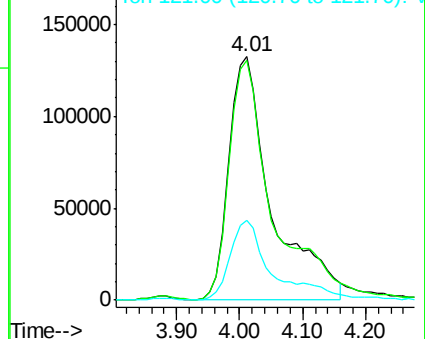
117 100

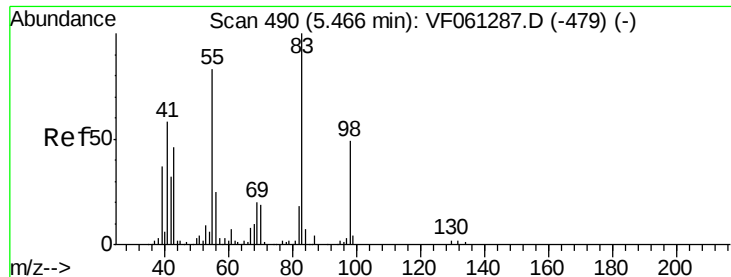
119 98.5 78.5 117.7

121 32.6 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

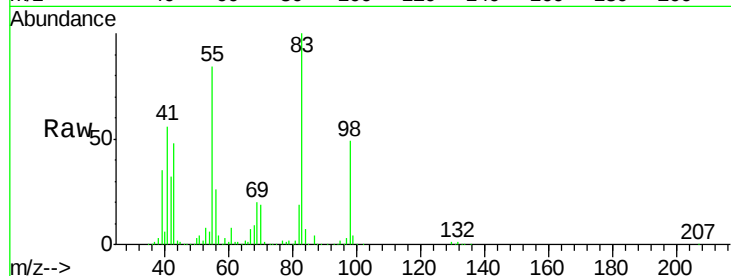




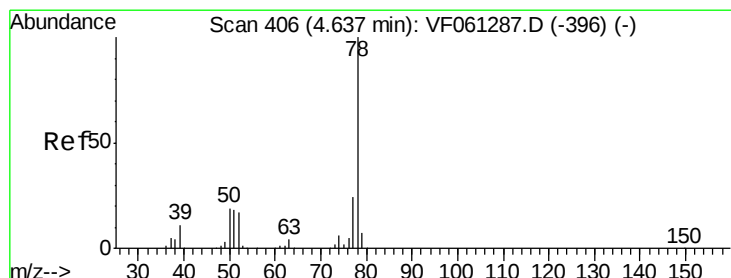
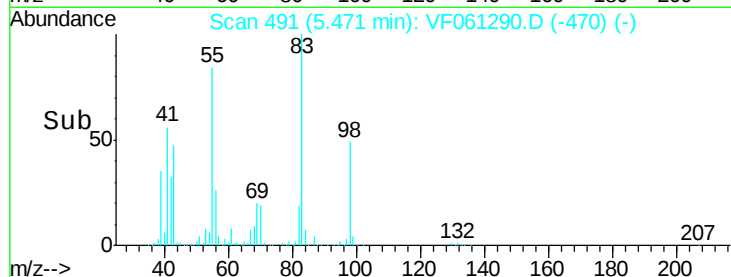
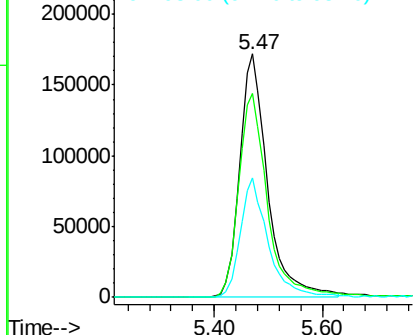
#39
Methvlcvclohexane
Concen: 148.965 ug/l
RT: 5.47 min Scan# 491
Delta R.T. 0.01 min
Lab File: VF061290.D
Acq: 8 Jan 2019 16:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion: 83 Resp: 617845
Ion Ratio Lower Upper
83 100
55 83.9 66.4 99.6
98 48.9 39.1 58.7

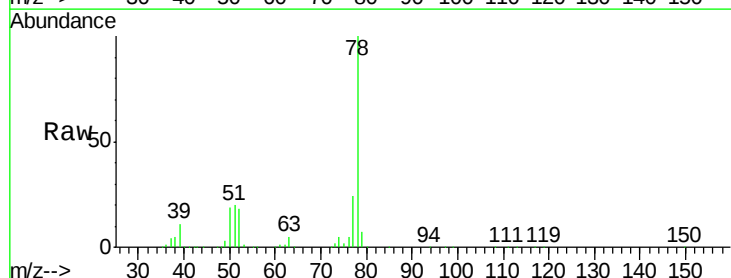


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

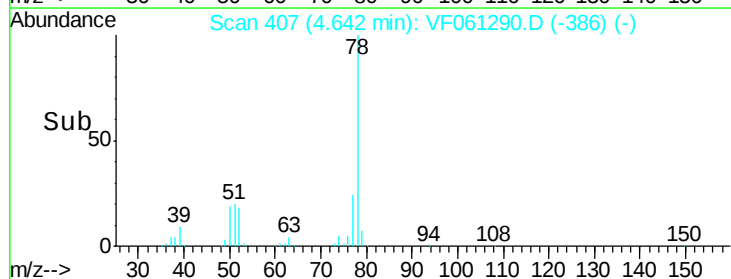
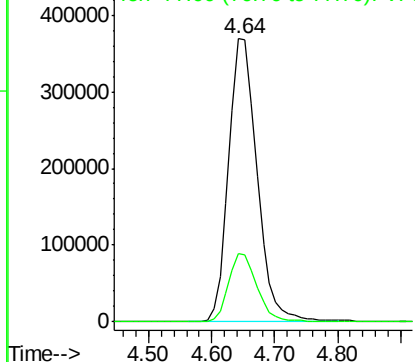


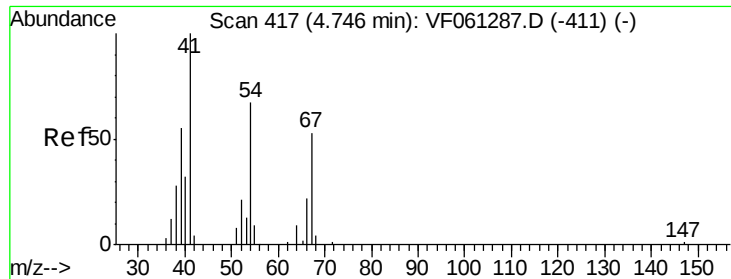
#40
Benzene
Concen: 131.443 ug/l
RT: 4.64 min Scan# 407
Delta R.T. 0.01 min
Lab File: VF061290.D
Acq: 8 Jan 2019 16:55

Tgt Ion: 78 Resp: 1157470
Ion Ratio Lower Upper
78 100
77 24.2 19.1 28.7



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0

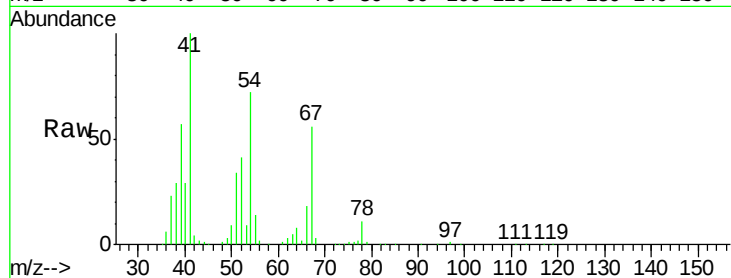




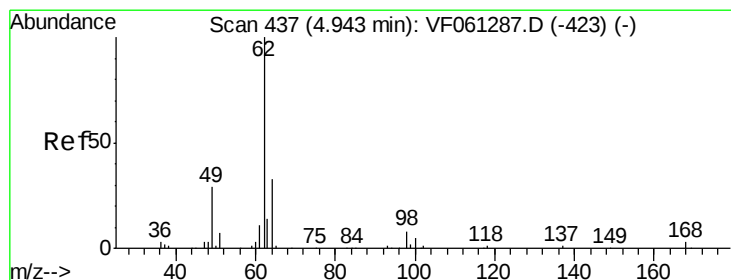
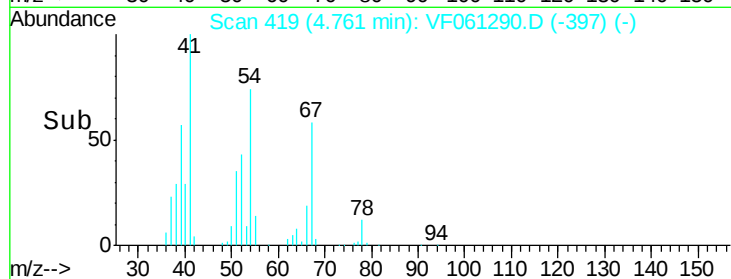
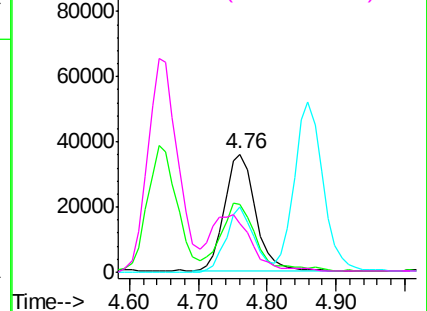
#41
Methacrylonitrile
Concen: 126.251 ug/l
RT: 4.76 min Scan# 419
Delta R.T. 0.01 min
Lab File: VF061290.D
Acq: 8 Jan 2019 16:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion:	41	Resp:	111215
Ion	Ratio	Lower	Upper
41	100		
39	57.2	52.7	79.1
67	55.5	41.4	62.2
52	41.5	33.0	49.4

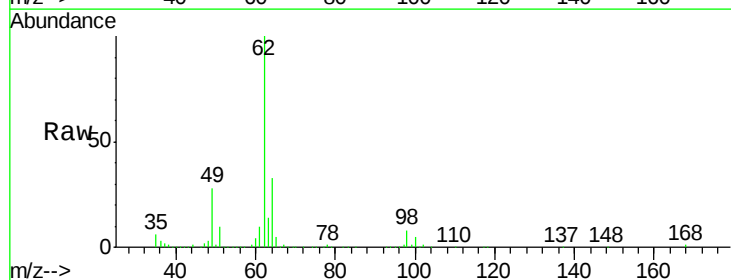


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

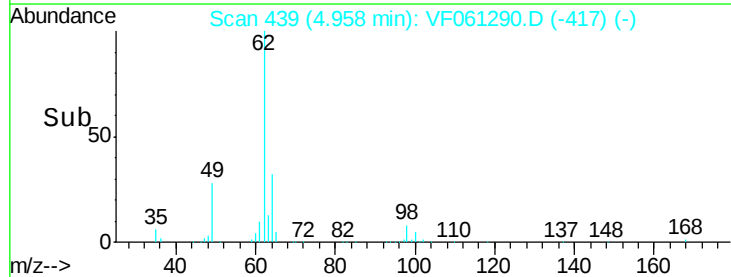
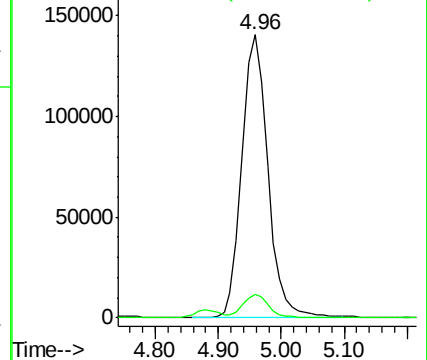


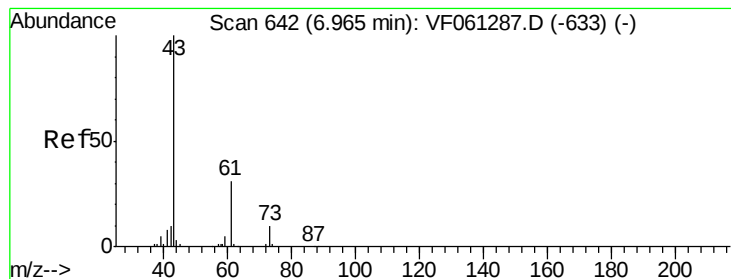
#42
1,2-Dichloroethane
Concen: 137.417 ug/l
RT: 4.96 min Scan# 439
Delta R.T. 0.01 min
Lab File: VF061290.D
Acq: 8 Jan 2019 16:55

Tgt Ion:	62	Resp:	404867
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	16.8



Abundance Ion 62.00 (61.70 to 62.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



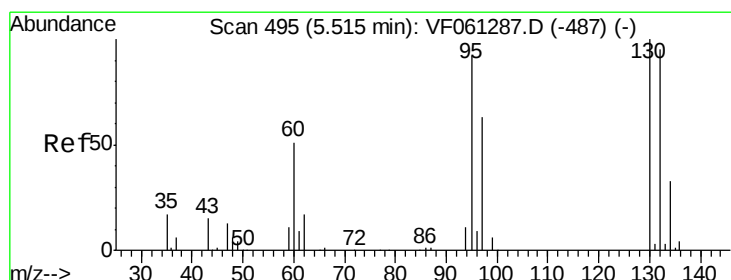
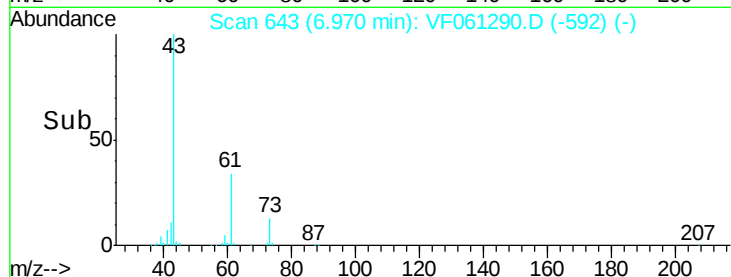
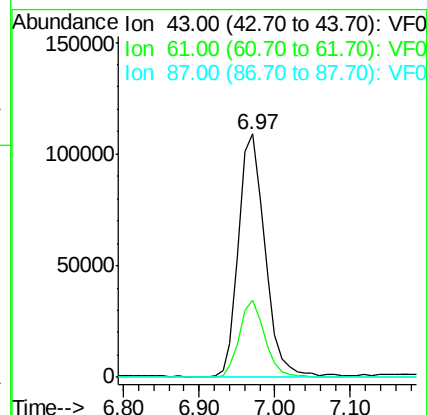
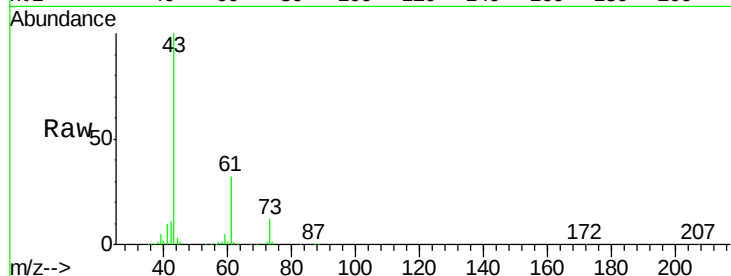


#43

Isopropyl Acetate
 Concen: 127.535 ug/l
 RT: 6.97 min Scan# 643
 Delta R.T. 0.01 min
 Lab File: VF061290.D
 Acq: 8 Jan 2019 16:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

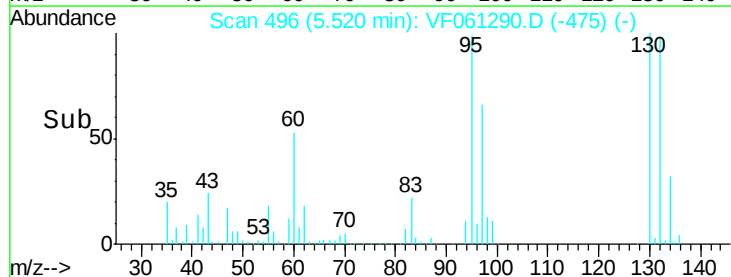
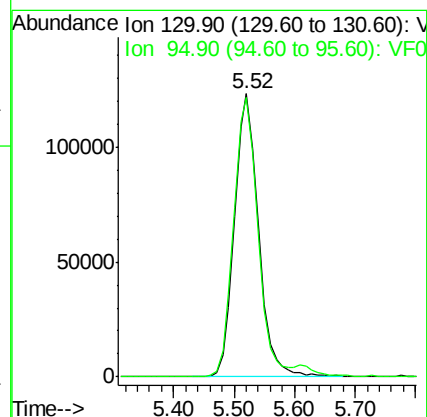
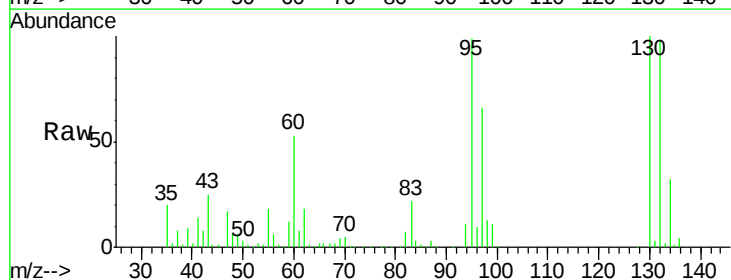
Tot Ion: 43 Resp: 263628
 Ion Ratio Lower Upper
 43 100
 61 31.9 24.3 36.5
 87 0.4 0.2 0.4#

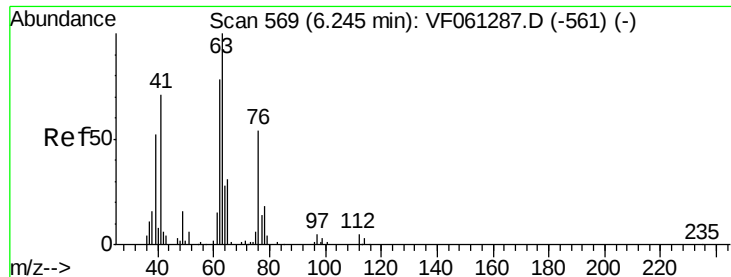


#44

Trichloroethene
 Concen: 124.230 ug/l
 RT: 5.52 min Scan# 496
 Delta R.T. 0.01 min
 Lab File: VF061290.D
 Acq: 8 Jan 2019 16:55

Tgt Ion: 130 Resp: 340518
 Ion Ratio Lower Upper
 130 100
 95 98.6 0.0 184.4





#45

1,2-Dichloropropane

Concen: 137.532 ug/l

RT: 6.25 min Scan# 570

Delta R.T. 0.01 min

Lab File: VF061290.D

Acq: 8 Jan 2019 16:55

Instrument :

MSVOA_F

ClientSampleId :

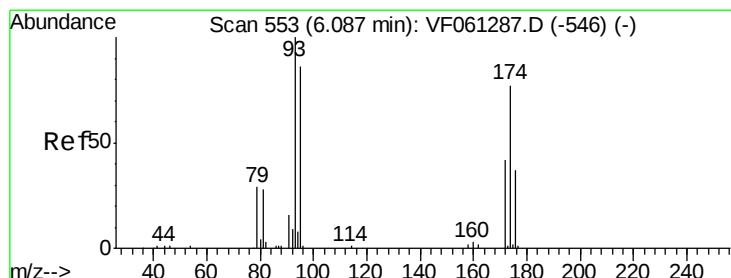
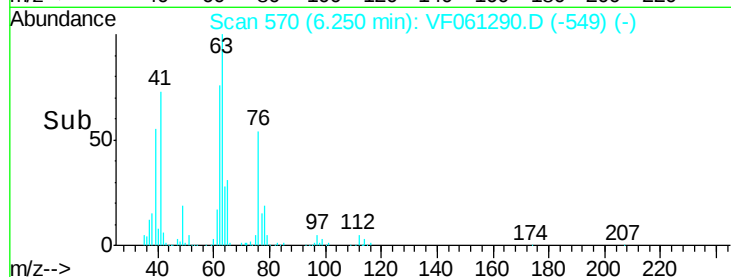
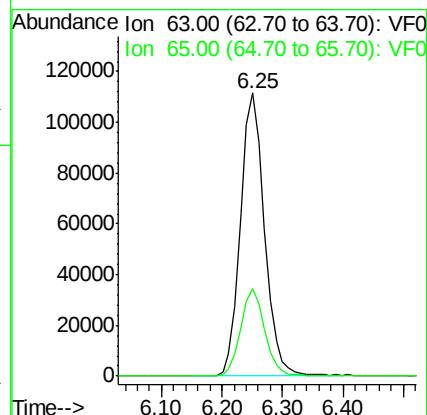
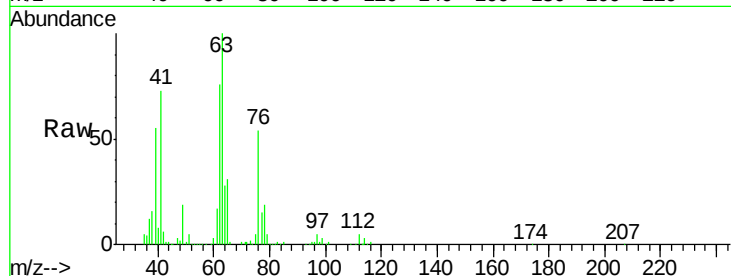
VSTDIC150

Tot Ion: 63 Resp: 309195

Ion Ratio Lower Upper

63 100

65 30.9 25.1 37.7



#46

Dibromomethane

Concen: 139.649 ug/l

RT: 6.10 min Scan# 555

Delta R.T. 0.01 min

Lab File: VF061290.D

Acq: 8 Jan 2019 16:55

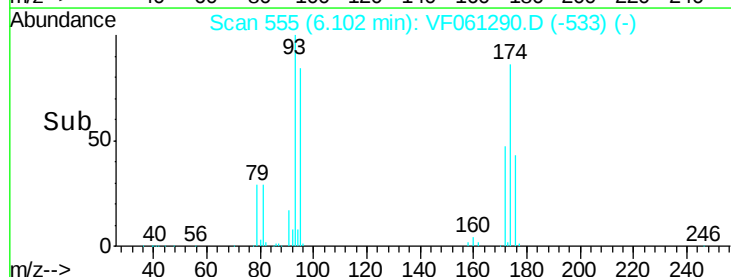
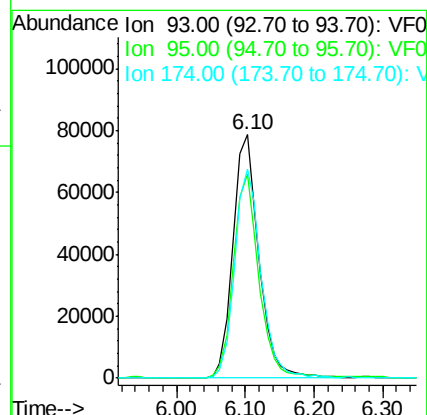
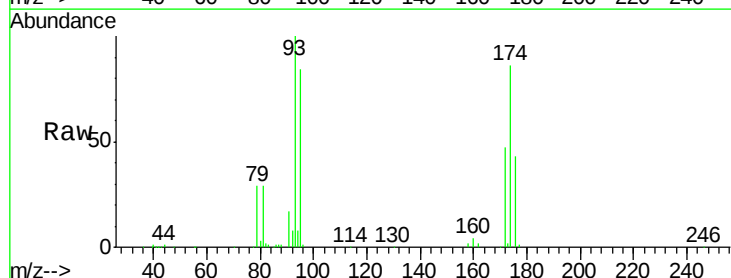
Tgt Ion: 93 Resp: 206586

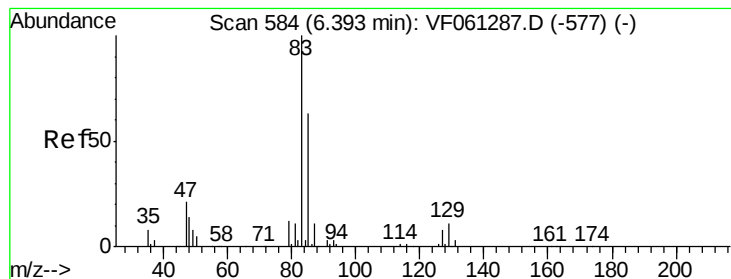
Ion Ratio Lower Upper

93 100

95 83.8 68.8 103.2

174 85.9 62.9 94.3





#47

Bromodichloromethane

Concen: 133.732 ug/l

RT: 6.40 min Scan# 585

Delta R.T. 0.01 min

Lab File: VF061290.D

Acq: 8 Jan 2019 16:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

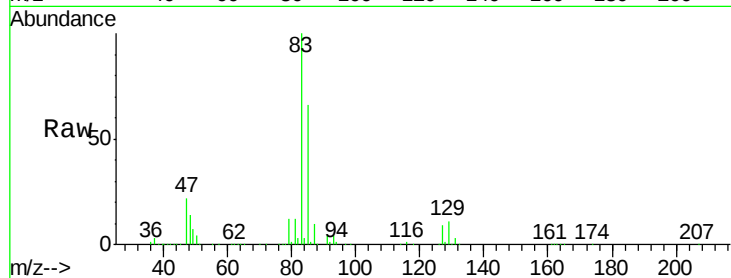
Tot Ion: 83 Resp: 503590

Ion Ratio Lower Upper

83 100

85 65.8 50.4 75.6

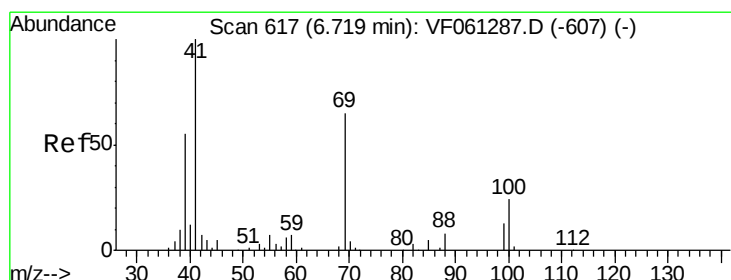
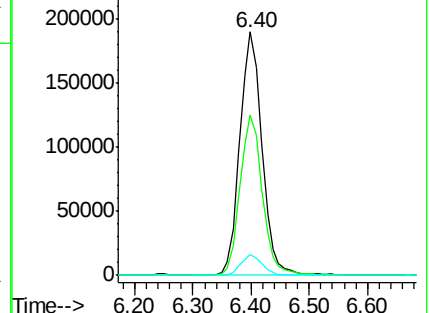
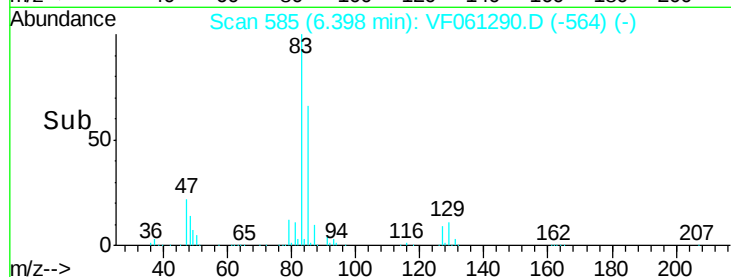
127 8.7 6.4 9.6



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: 129.177 ug/l

RT: 6.72 min Scan# 618

Delta R.T. 0.01 min

Lab File: VF061290.D

Acq: 8 Jan 2019 16:55

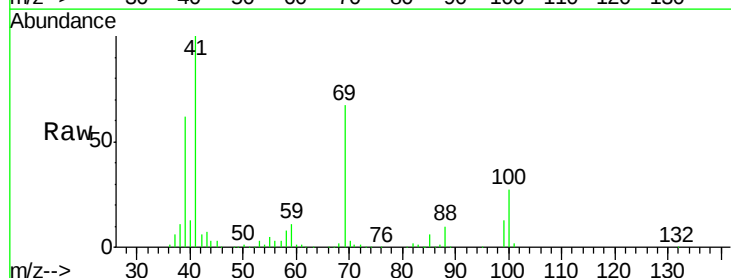
Tgt Ion: 41 Resp: 172906

Ion Ratio Lower Upper

41 100

69 66.8 51.5 77.3

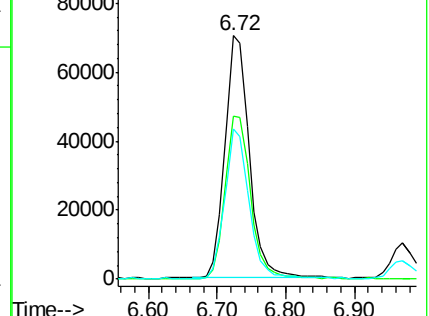
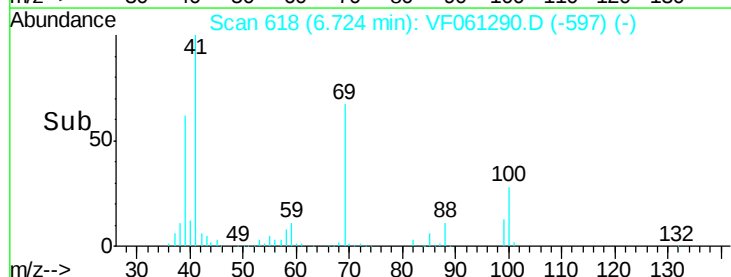
39 61.9 44.1 66.1

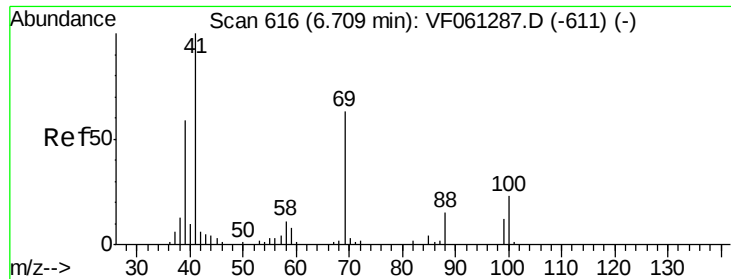


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 2360.551 ug/l

RT: 6.72 min Scan# 618

Delta R.T. 0.01 min

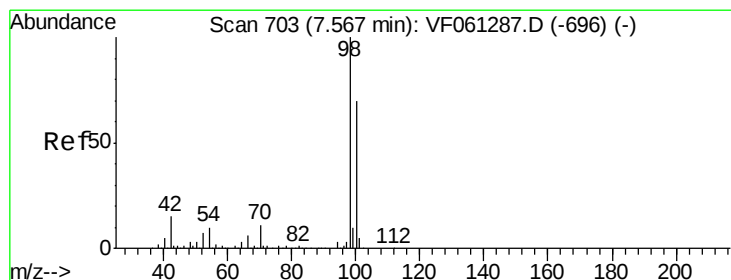
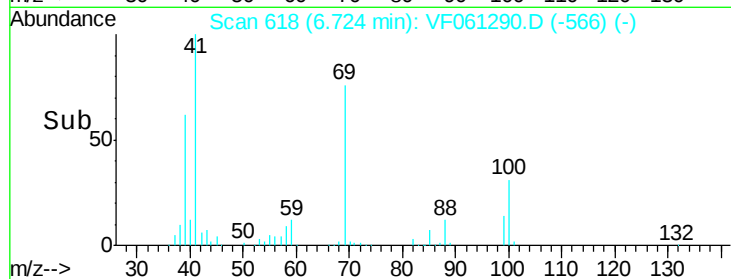
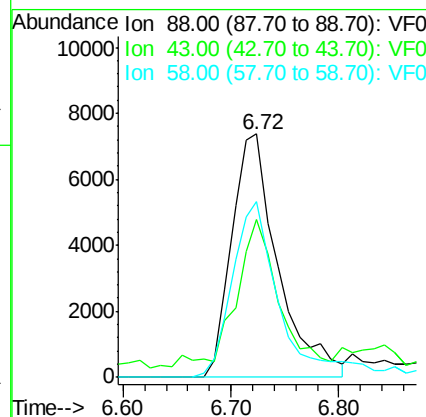
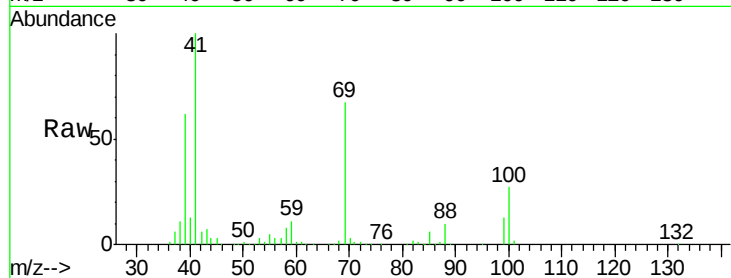
Lab File: VF061290.D

Acq: 8 Jan 2019 16:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion: 88 Resp: 21893

Ion	Ratio	Lower	Upper
88	100		
43	64.9	38.5	57.7#
58	72.4	57.0	85.4



#50

Toluene-d8

Concen: 132.621 ug/l

RT: 7.57 min Scan# 704

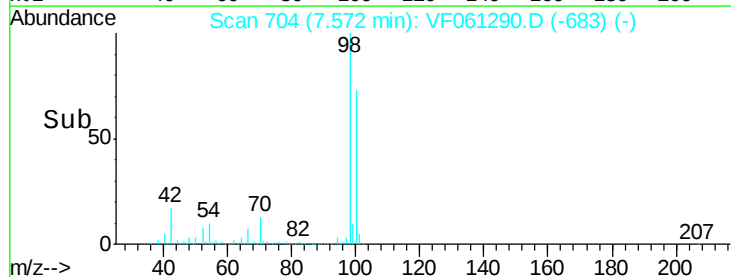
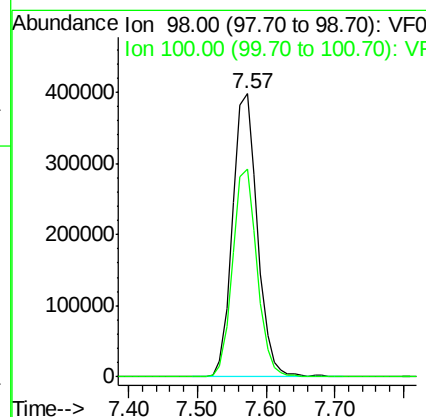
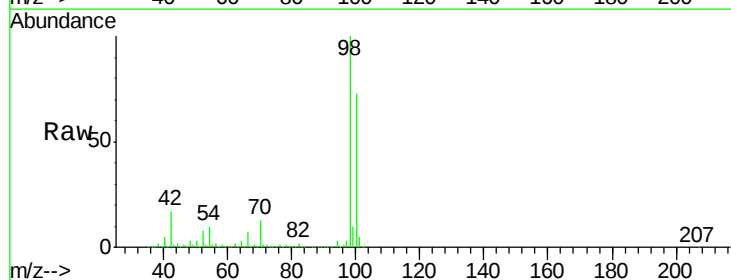
Delta R.T. 0.01 min

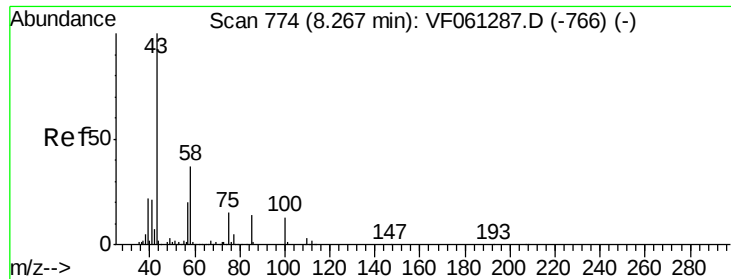
Lab File: VF061290.D

Acq: 8 Jan 2019 16:55

Tgt Ion: 98 Resp: 997508

Ion	Ratio	Lower	Upper
98	100		
100	73.3	55.6	83.4





#51

4-Methyl-2-Pentanone

Concen: 623.808 ug/l

RT: 8.27 min Scan# 775

Delta R.T. 0.01 min

Lab File: VF061290.D

Acq: 8 Jan 2019 16:55

Instrument :

MSVOA_F

ClientSampleId :

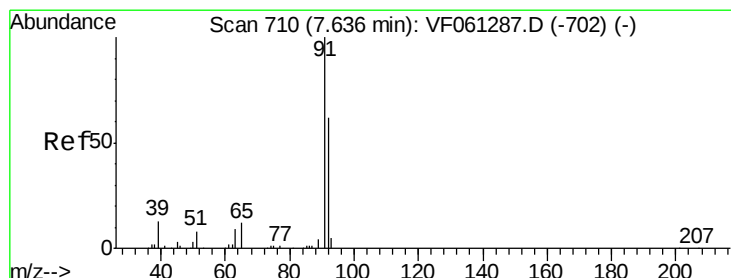
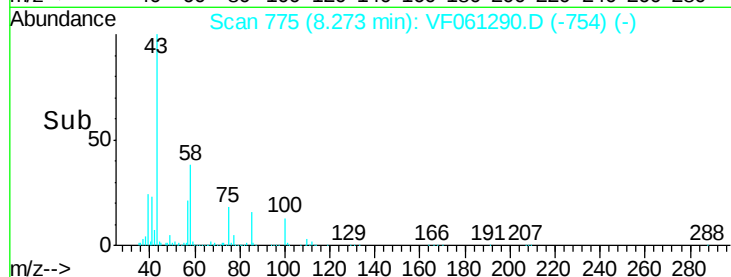
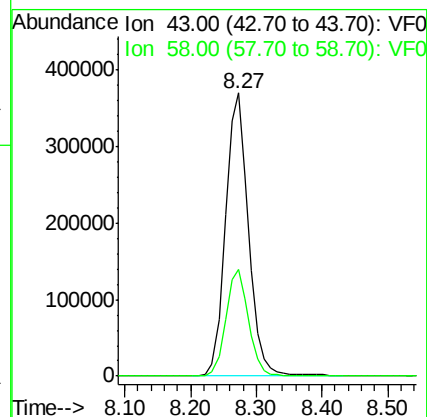
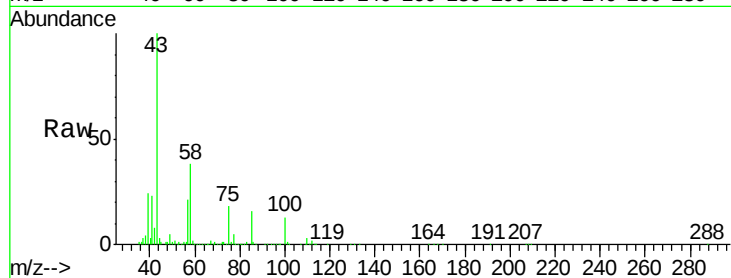
VSTDIC150

Tot Ion: 43 Resp: 895591

Ion Ratio Lower Upper

43 100

58 37.8 29.6 44.4



#52

Toluene

Concen: 131.884 ug/l

RT: 7.64 min Scan# 711

Delta R.T. 0.01 min

Lab File: VF061290.D

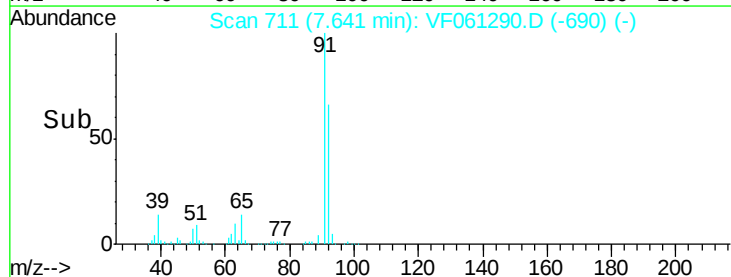
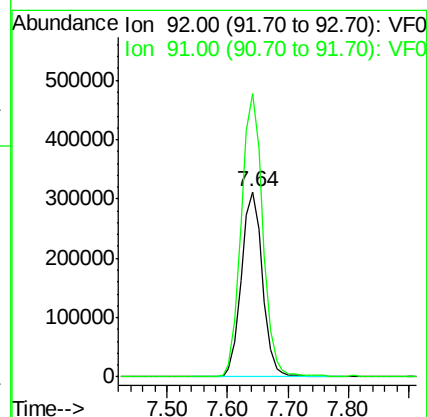
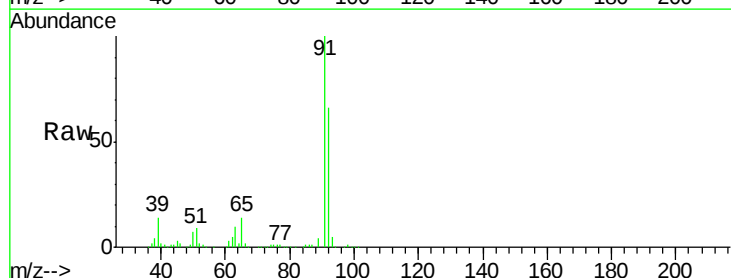
Acq: 8 Jan 2019 16:55

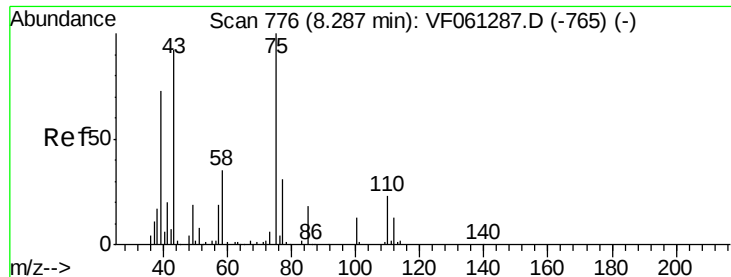
Tgt Ion: 92 Resp: 758309

Ion Ratio Lower Upper

92 100

91 152.7 129.2 193.8





#53

t-1,3-Dichloropropene

Concen: 126.897 ug/l

RT: 8.29 min Scan# 777

Delta R.T. 0.01 min

Lab File: VF061290.D

Acq: 8 Jan 2019 16:55

Instrument :

MSVOA_F

ClientSampleId :

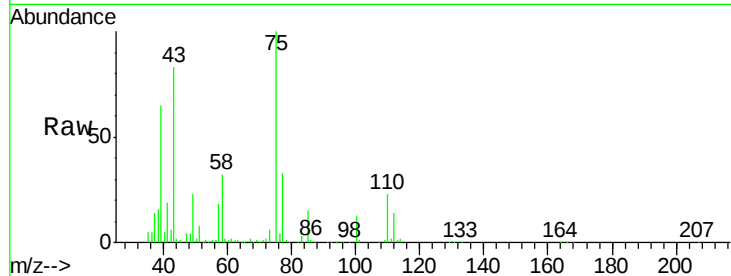
VSTDIC150

Tot Ion: 75 Resp: 389545

Ion Ratio Lower Upper

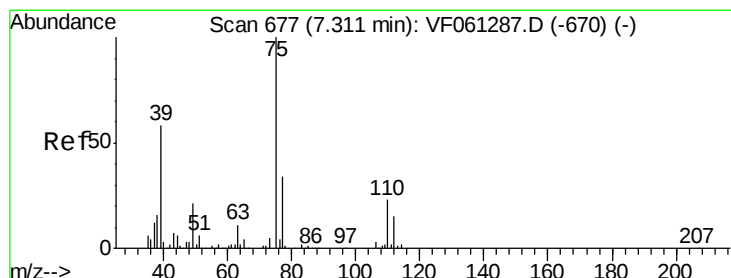
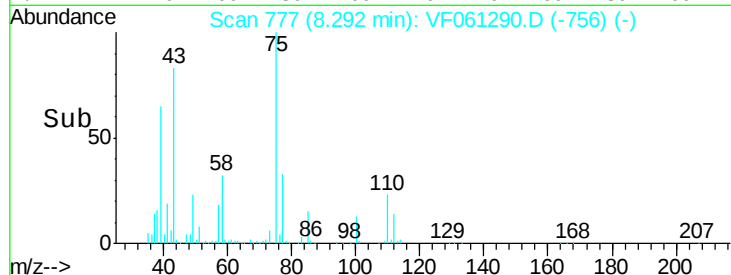
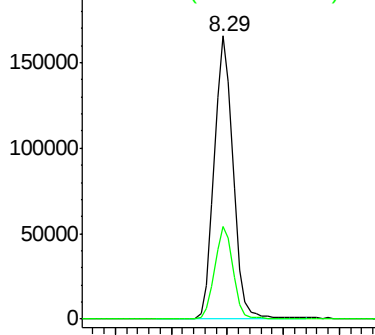
75 100

77 33.0 24.7 37.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 135.724 ug/l

RT: 7.32 min Scan# 678

Delta R.T. 0.01 min

Lab File: VF061290.D

Acq: 8 Jan 2019 16:55

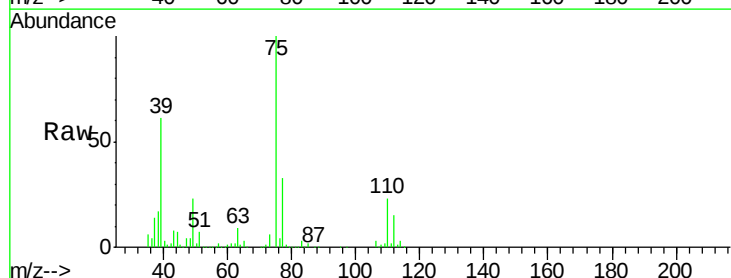
Tgt Ion: 75 Resp: 529542

Ion Ratio Lower Upper

75 100

77 33.0 27.3 40.9

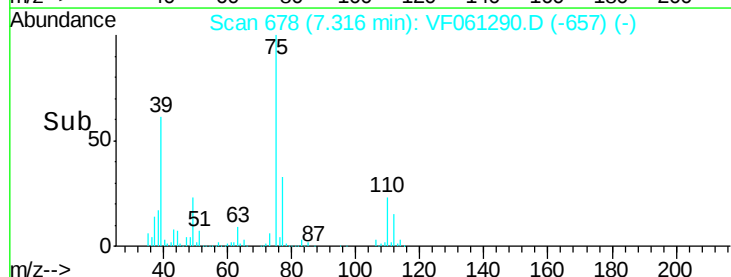
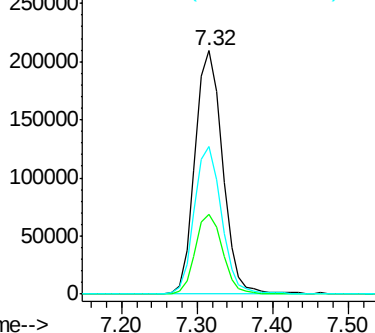
39 60.8 46.3 69.5

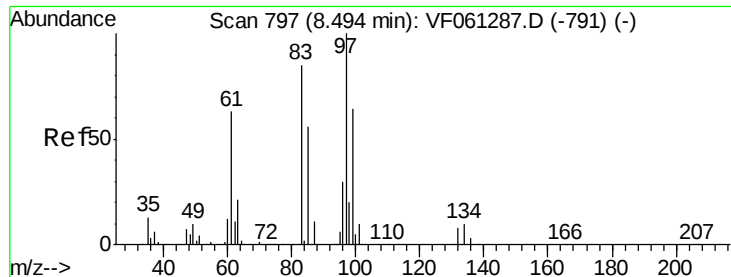


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 138.648 ug/l

RT: 8.51 min Scan# 799

Delta R.T. 0.01 min

Lab File: VF061290.D

Acq: 8 Jan 2019 16:55

Instrument :

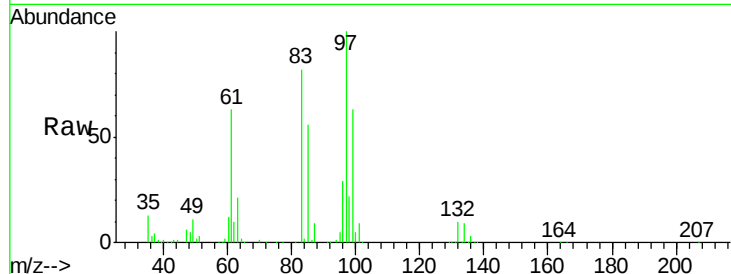
MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 97 Resp: 229257

Ion	Ratio	Lower	Upper
97	100		
83	81.7	67.8	101.6
85	55.7	45.1	67.7
99	62.9	51.0	76.6

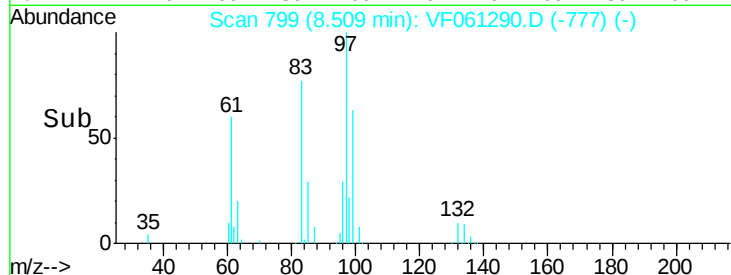


Abundance Ion 97.00 (96.70 to 97.70): VF0

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



Time-->

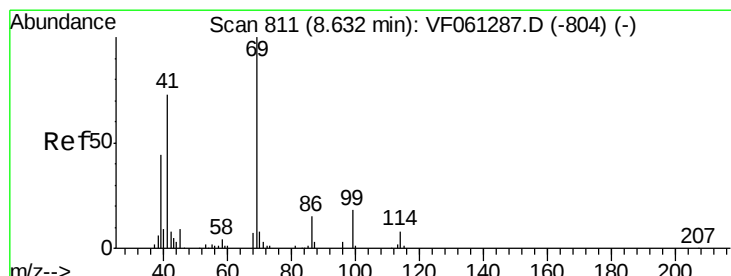
8.40 8.50 8.60

100000

50000

0

8.51



#56

Ethyl methacrylate

Concen: 137.314 ug/l

RT: 8.63 min Scan# 811

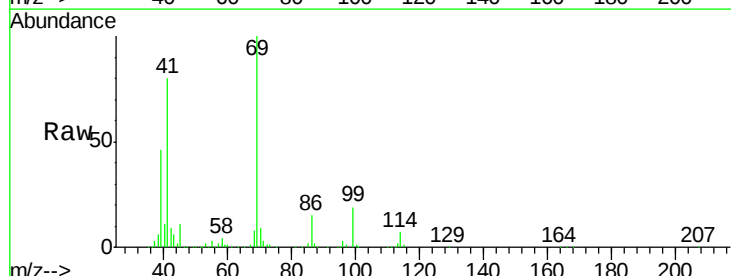
Delta R.T. -0.00 min

Lab File: VF061290.D

Acq: 8 Jan 2019 16:55

Tgt Ion: 69 Resp: 250931

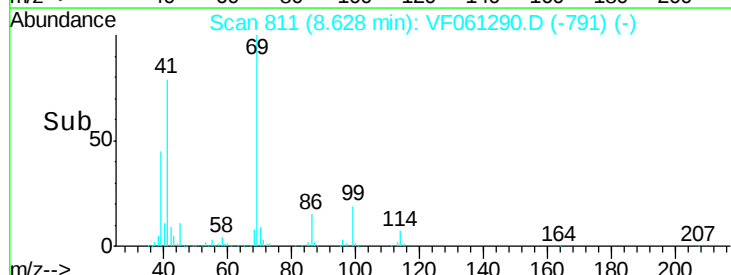
Ion	Ratio	Lower	Upper
69	100		
41	79.5	59.0	88.4
39	45.6	35.3	52.9



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



Time-->

8.50 8.60 8.70

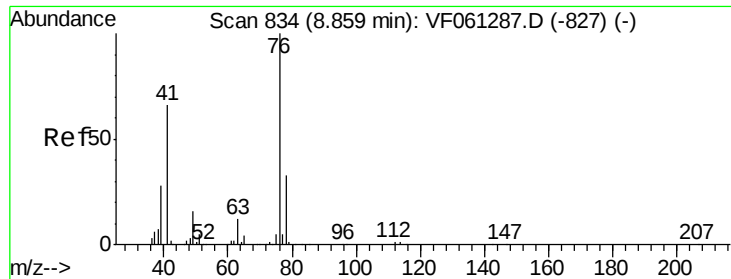
150000

100000

50000

0

8.63



#57

1,3-Dichloropropane

Concen: 128.953 ug/l

RT: 8.86 min Scan# 835

Delta R.T. 0.01 min

Lab File: VF061290.D

Acq: 8 Jan 2019 16:55

Instrument :

MSVOA_F

ClientSampleId :

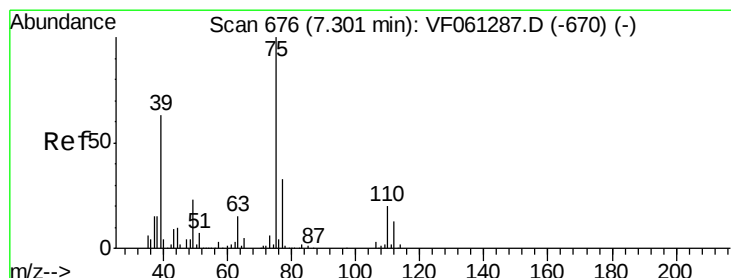
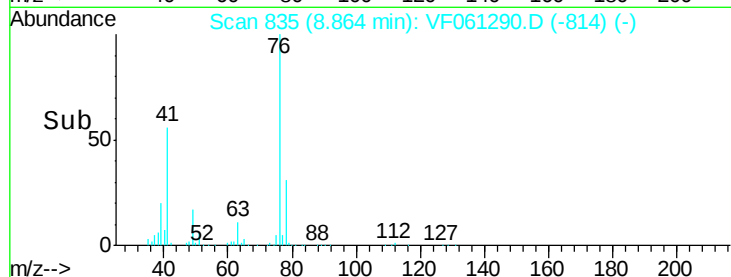
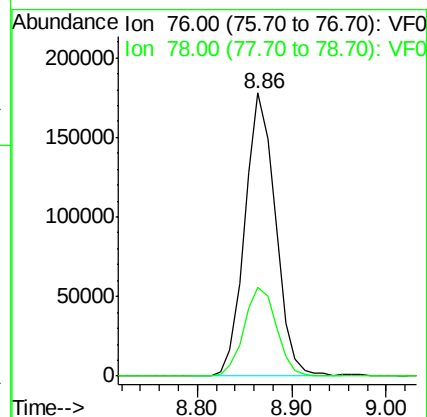
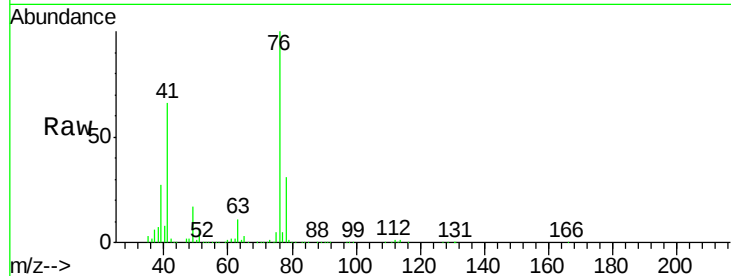
VSTDIC150

Tot Ion: 76 Resp: 400820

Ion Ratio Lower Upper

76 100

78 31.4 26.8 40.2



#58

2-Chloroethyl Vinyl ether

Concen: 244.215 ug/l

RT: 7.31 min Scan# 677

Delta R.T. 0.01 min

Lab File: VF061290.D

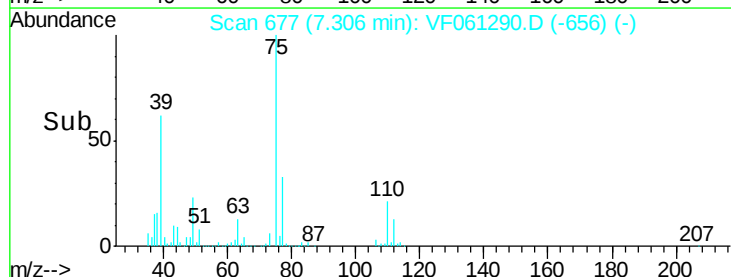
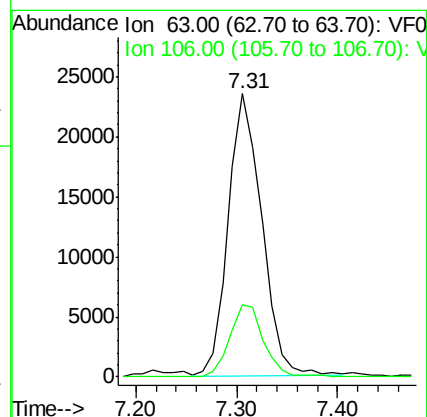
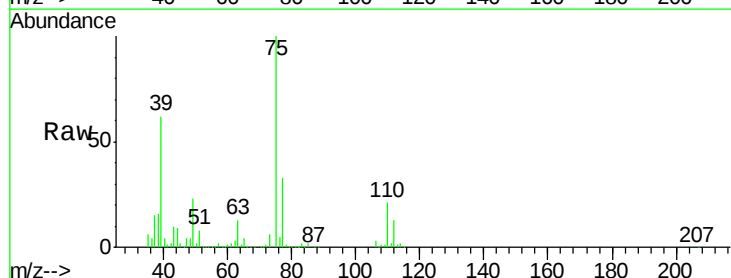
Acq: 8 Jan 2019 16:55

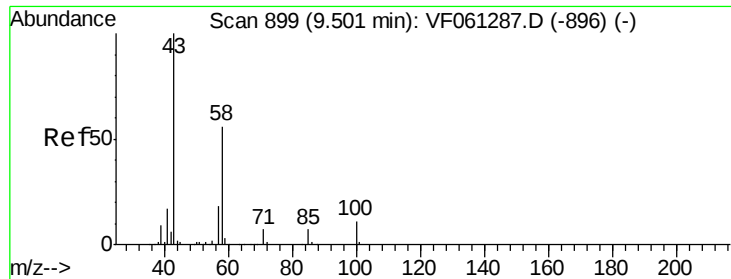
Tgt Ion: 63 Resp: 54196

Ion Ratio Lower Upper

63 100

106 25.4 16.5 24.7#

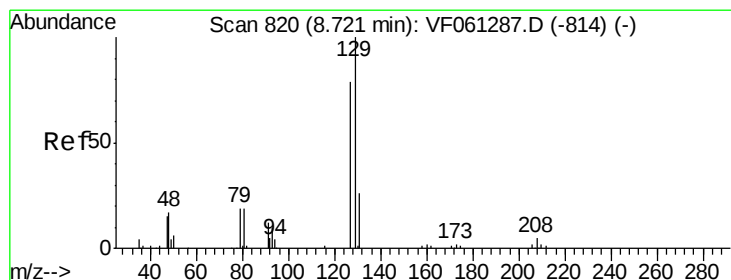
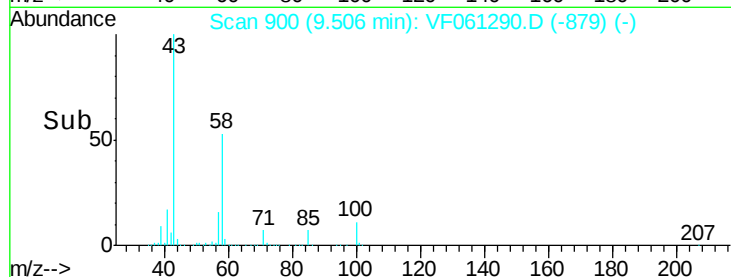
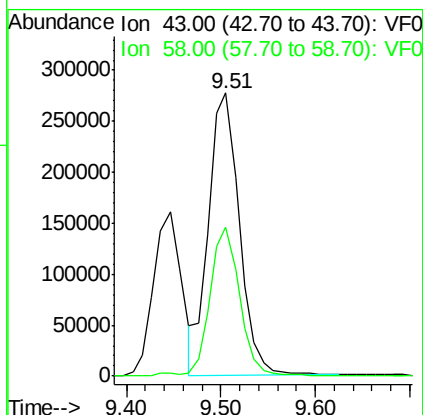
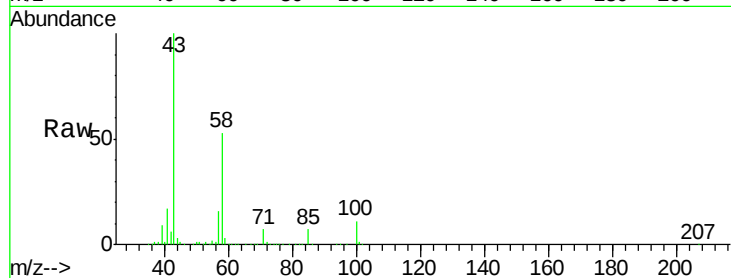




#59
2-Hexanone
Concen: 604.285 ug/l
RT: 9.51 min Scan# 900
Delta R.T. 0.01 min
Lab File: VF061290.D
Acq: 8 Jan 2019 16:55

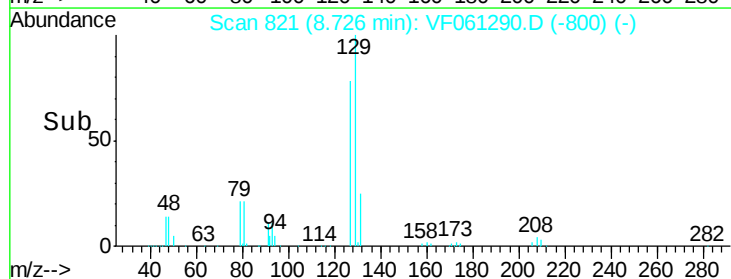
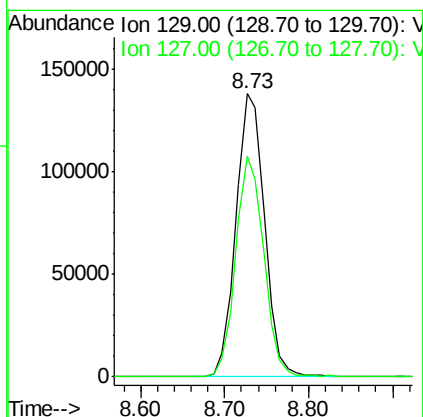
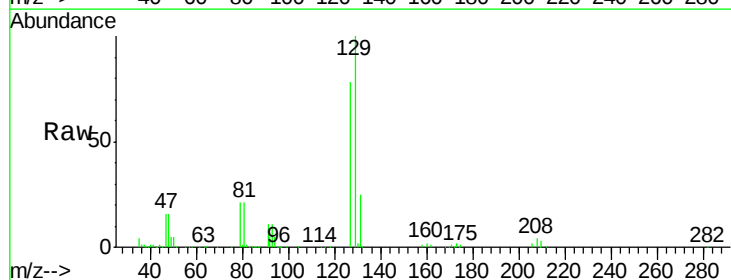
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

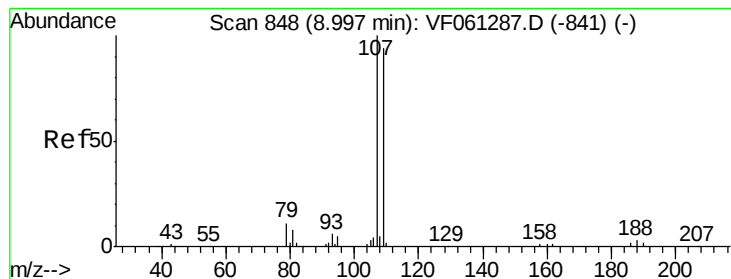
Tot Ion: 43 Resp: 628078
Ion Ratio Lower Upper
43 100
58 52.8 25.6 76.8



#60
Dibromochloromethane
Concen: 139.697 ug/l
RT: 8.73 min Scan# 821
Delta R.T. 0.01 min
Lab File: VF061290.D
Acq: 8 Jan 2019 16:55

Tgt Ion: 129 Resp: 328109
Ion Ratio Lower Upper
129 100
127 77.8 39.4 118.1





#61

1,2-Dibromoethane

Concen: 135.816 ug/l

RT: 9.00 min Scan# 849

Delta R.T. 0.01 min

Lab File: VF061290.D

Acq: 8 Jan 2019 16:55

Instrument :

MSVOA_F

ClientSampleId :

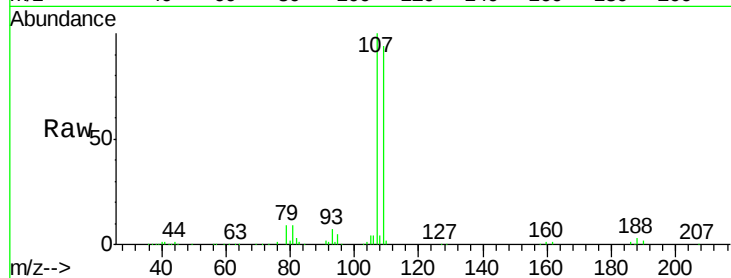
VSTDIC150

Tot Ion:107 Resp: 242371

Ion Ratio Lower Upper

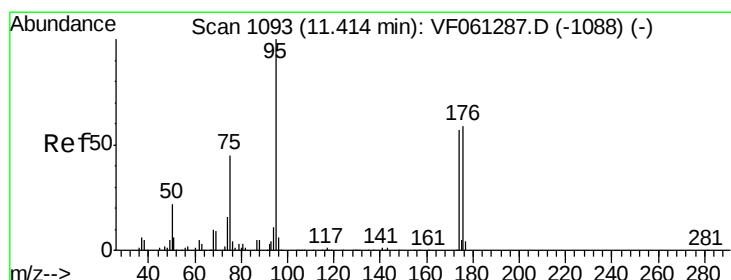
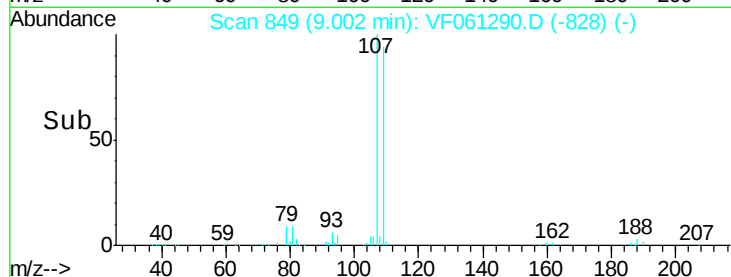
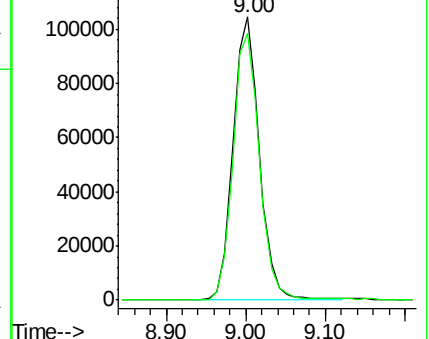
107 100

109 94.1 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: 130.493 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VF061290.D

Acq: 8 Jan 2019 16:55

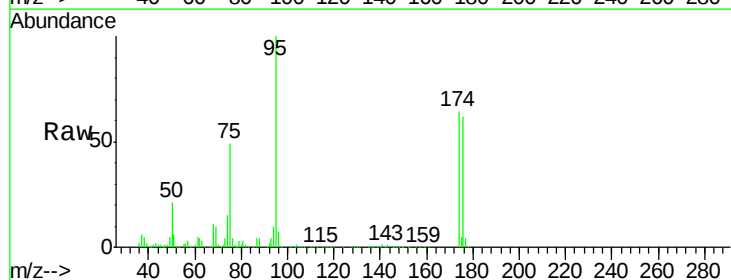
Tgt Ion: 95 Resp: 434889

Ion Ratio Lower Upper

95 100

174 64.1 0.0 114.2

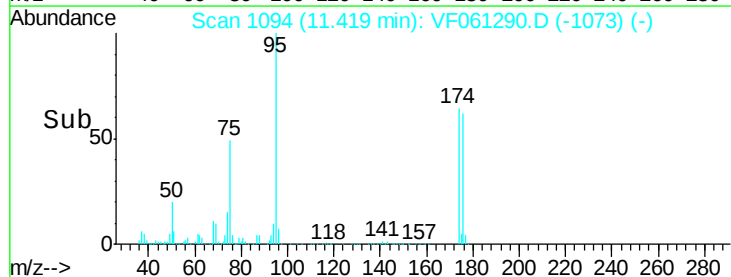
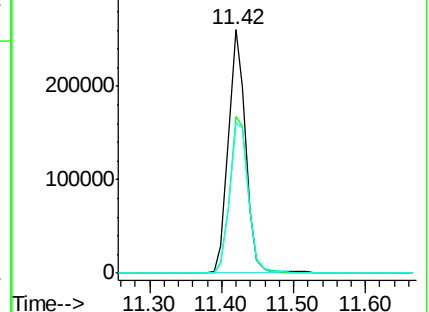
176 61.7 0.0 117.8

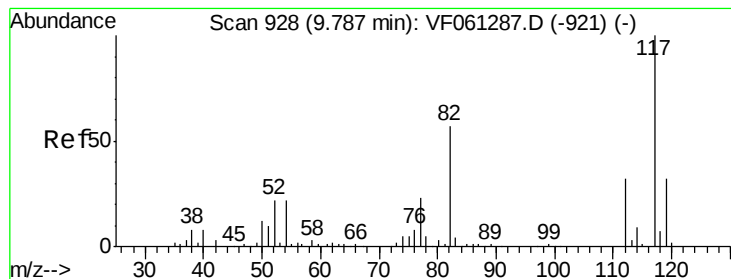


Abundance Ion 95.00 (94.70 to 95.70): VF0

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: 9.79 min Scan# 929

Delta R.T. 0.01 min

Lab File: VF061290.D

Acq: 8 Jan 2019 16:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

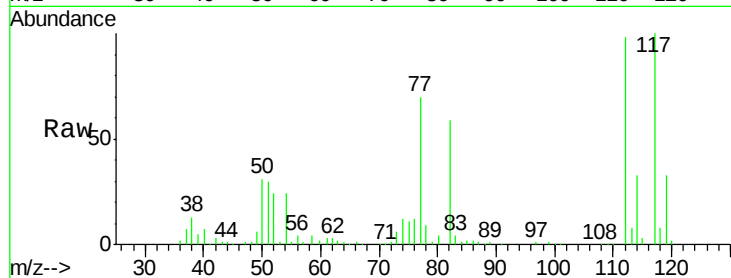
Tot Ion:117 Resp: 310494

Ion Ratio Lower Upper

117 100

82 58.9 45.3 67.9

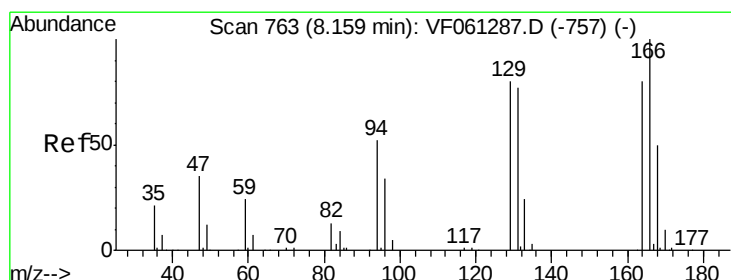
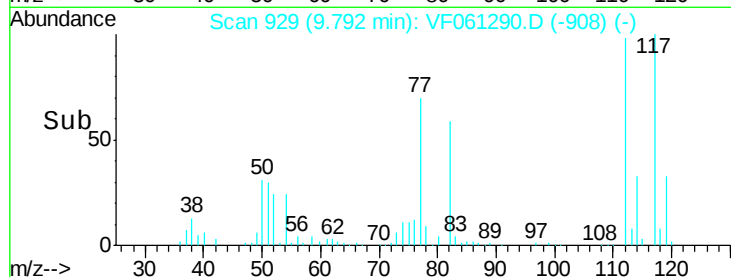
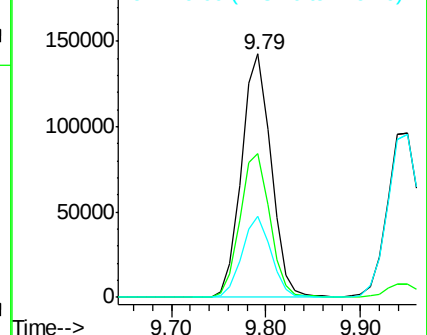
119 33.3 25.4 38.0



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: 130.383 ug/l

RT: 8.16 min Scan# 764

Delta R.T. 0.01 min

Lab File: VF061290.D

Acq: 8 Jan 2019 16:55

Tgt Ion:164 Resp: 310244

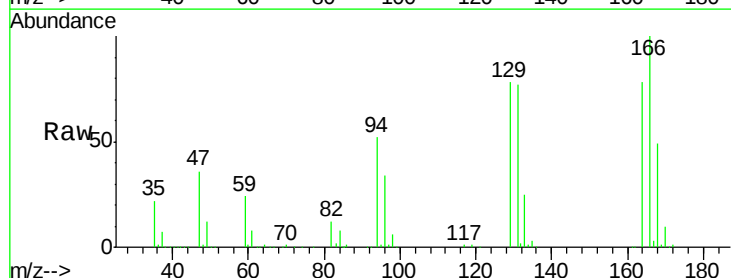
Ion Ratio Lower Upper

164 100

166 127.8 100.1 150.1

129 99.4 80.1 120.1

131 98.1 76.7 115.1

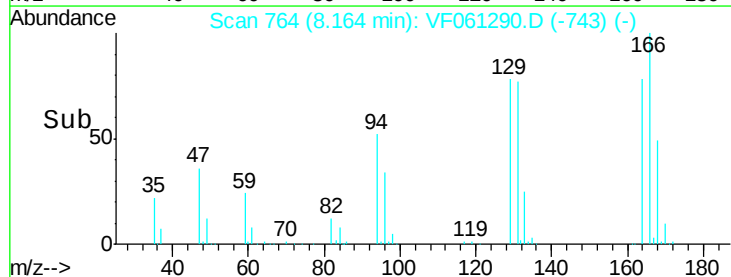
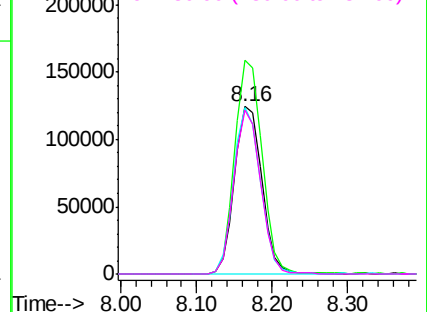


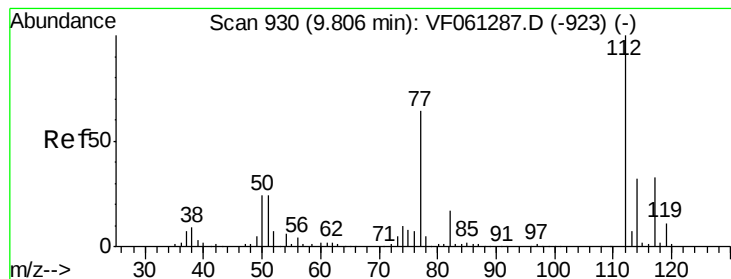
Abundance Ion 163.85 (163.55 to 164.55): V

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: 135.073 ug/l

RT: 9.81 min Scan# 931

Delta R.T. 0.01 min

Lab File: VF061290.D

Acq: 8 Jan 2019 16:55

Instrument :

MSVOA_F

ClientSampleId :

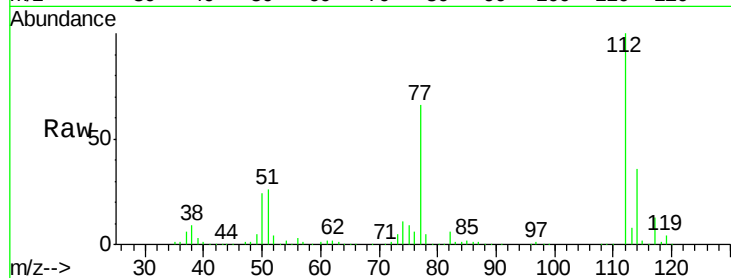
VSTDIC150

Tot Ion:112 Resp: 852803

Ion Ratio Lower Upper

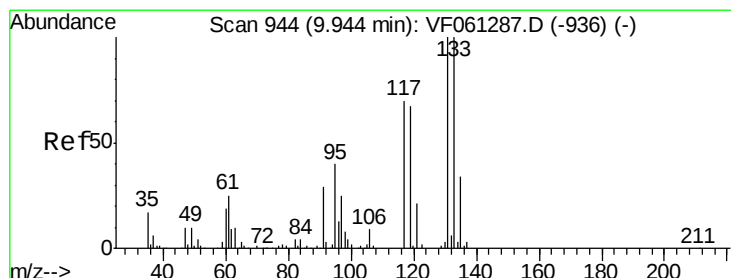
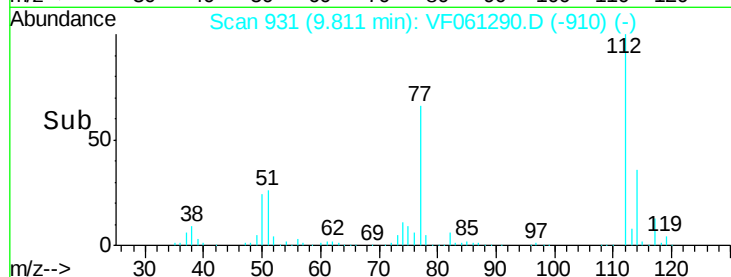
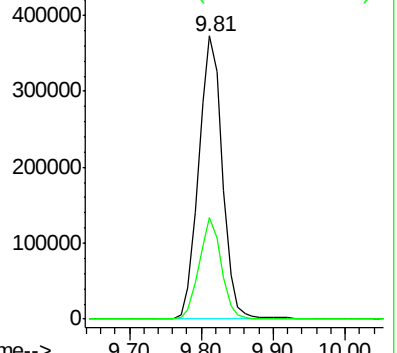
112 100

114 35.8 25.8 38.8



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 130.396 ug/l

RT: 9.95 min Scan# 945

Delta R.T. 0.01 min

Lab File: VF061290.D

Acq: 8 Jan 2019 16:55

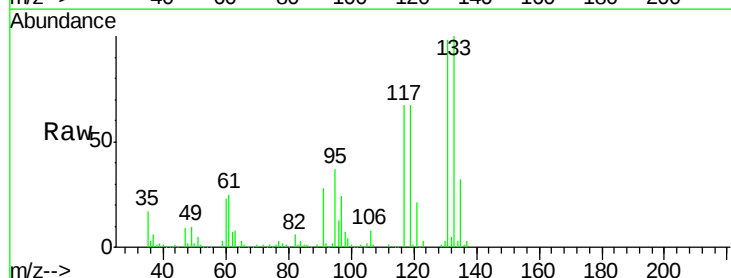
Tgt Ion:131 Resp: 338095

Ion Ratio Lower Upper

131 100

133 101.7 49.9 149.6

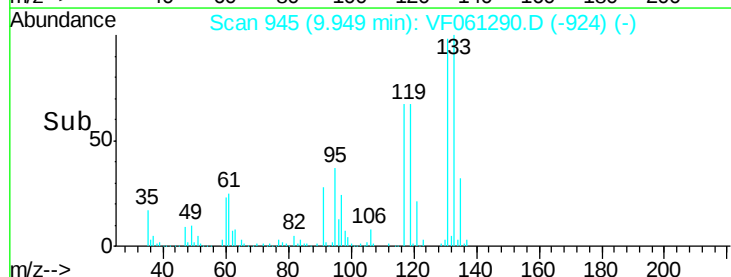
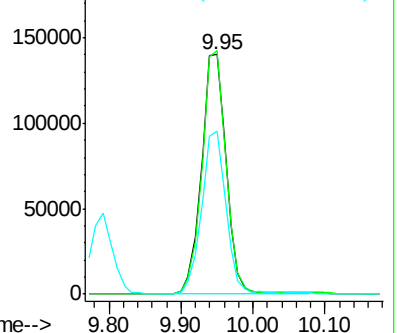
119 68.2 33.9 101.6

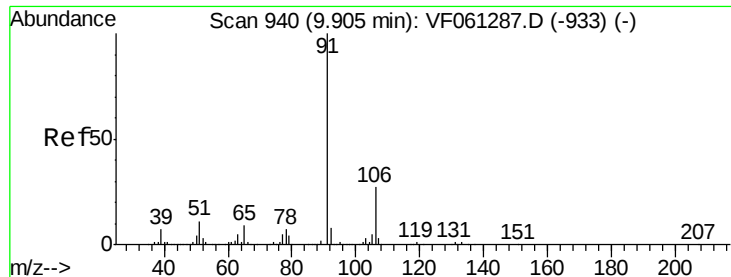


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 127.218 ug/l

RT: 9.91 min Scan# 941

Delta R.T. 0.01 min

Lab File: VF061290.D

Acq: 8 Jan 2019 16:55

Instrument :

MSVOA_F

ClientSampleId :

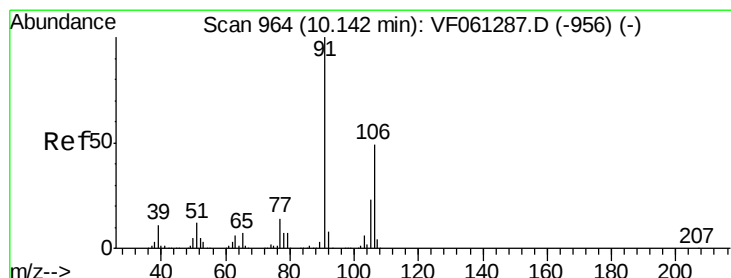
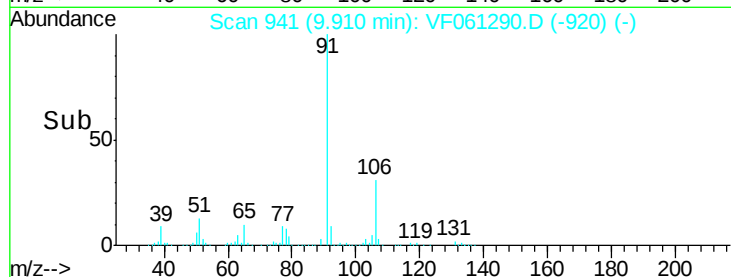
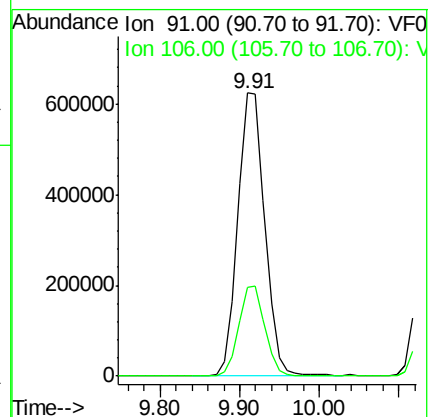
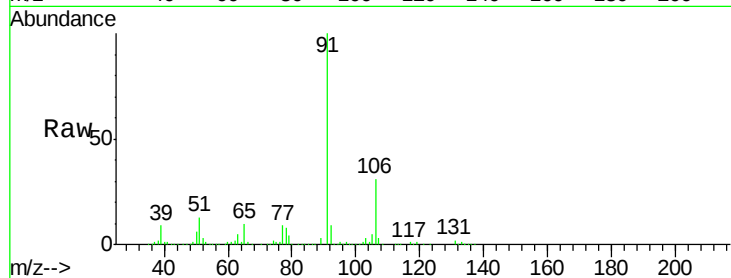
VSTDIC150

Tot Ion: 91 Resp: 1476529

Ion Ratio Lower Upper

91 100

106 31.3 21.4 32.2



#68

m/p-Xylenes

Concen: 246.078 ug/l

RT: 10.15 min Scan# 965

Delta R.T. 0.01 min

Lab File: VF061290.D

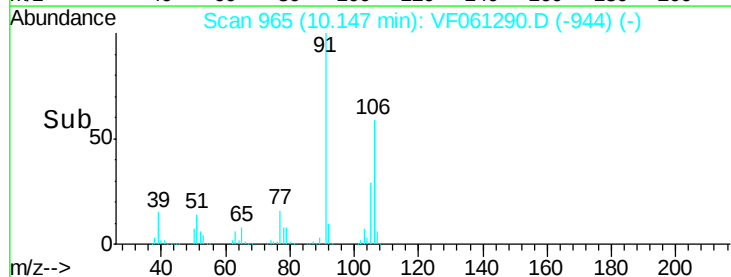
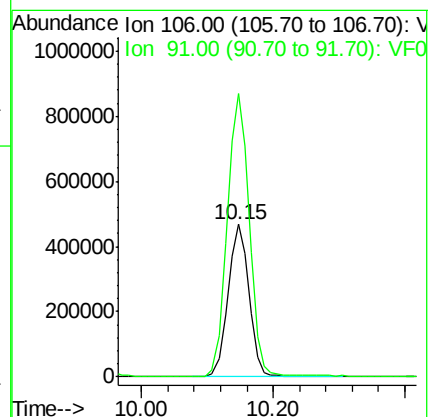
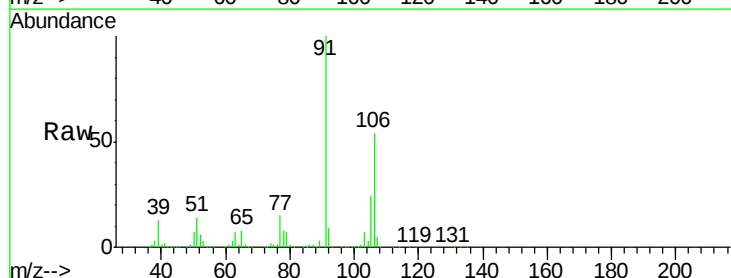
Acq: 8 Jan 2019 16:55

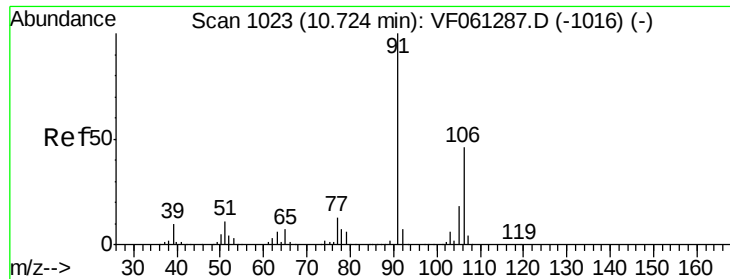
Tgt Ion: 106 Resp: 1042292

Ion Ratio Lower Upper

106 100

91 185.4 165.0 247.6

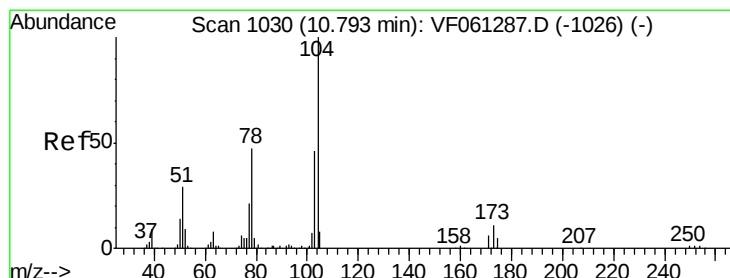
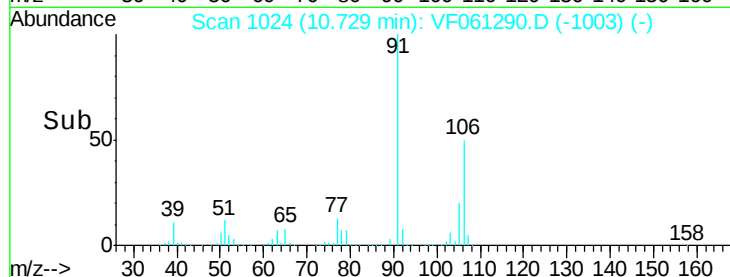
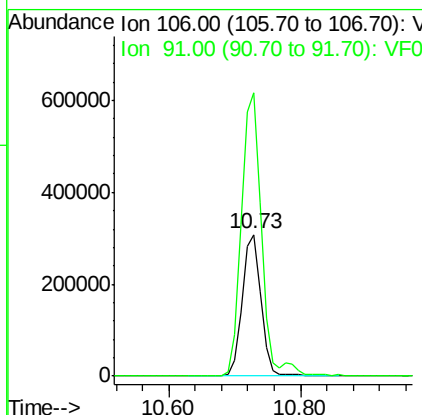
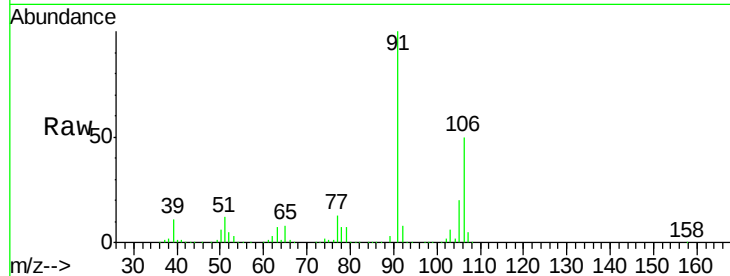




#69
o-Xylene
Concen: 134.431 ug/l
RT: 10.73 min Scan# 1024
Delta R.T. 0.01 min
Lab File: VF061290.D
Acq: 8 Jan 2019 16:55

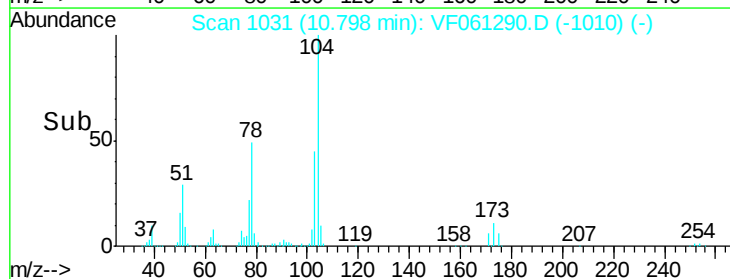
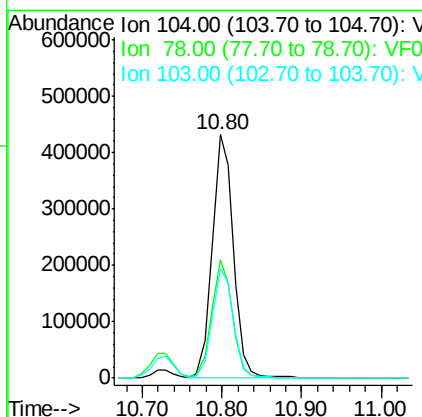
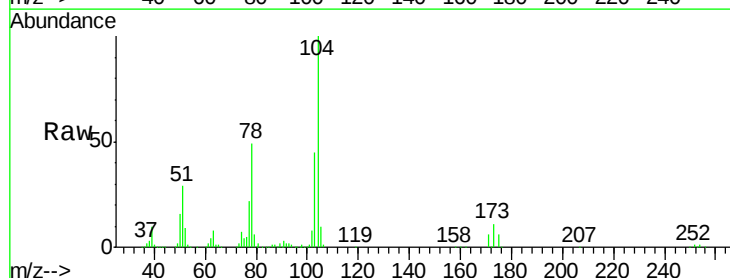
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

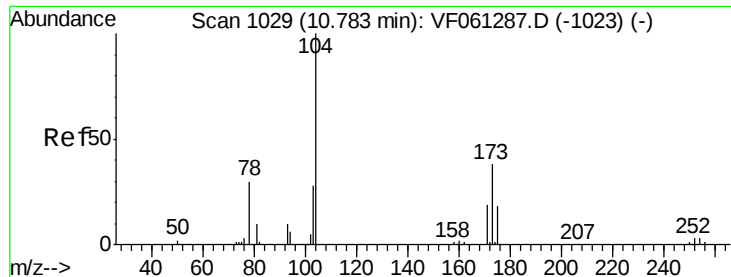
Tot Ion:106 Resp: 615959
Ion Ratio Lower Upper
106 100
91 200.3 108.1 324.4



#70
Styrene
Concen: 127.631 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VF061290.D
Acq: 8 Jan 2019 16:55

Tgt Ion:104 Resp: 805044
Ion Ratio Lower Upper
104 100
78 48.7 38.0 57.0
103 44.9 36.7 55.1





#71

Bromoform

Concen: 130.248 ug/l

RT: 10.79 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VF061290.D

Acq: 8 Jan 2019 16:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

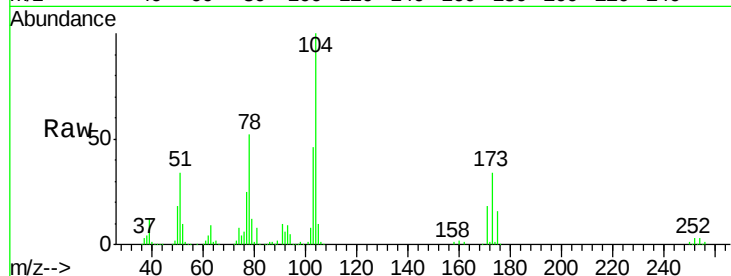
Tot Ion:173 Resp: 157227

Ion Ratio Lower Upper

173 100

175 46.6 24.1 72.2

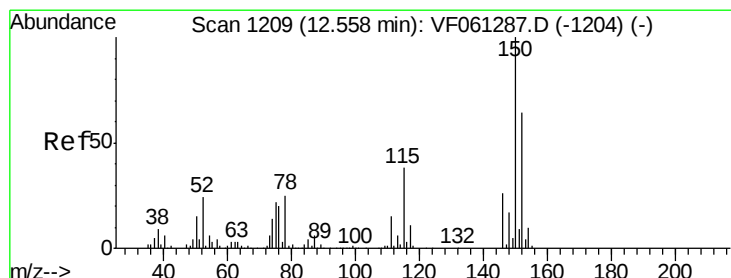
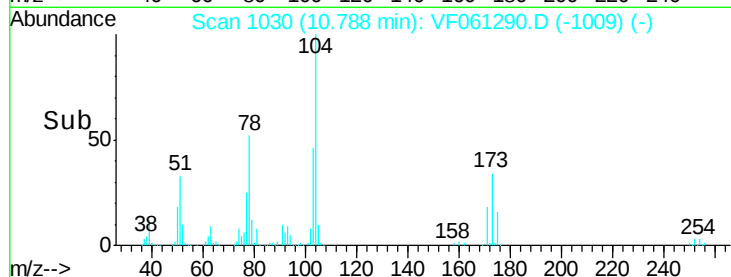
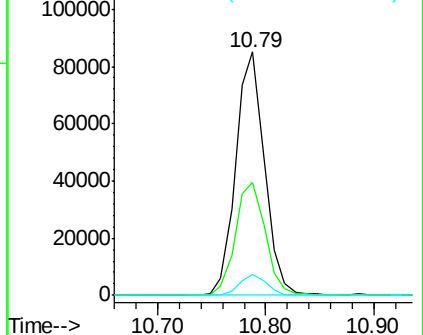
254 8.8 0.0 0.0#



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# 1210

Delta R.T. 0.01 min

Lab File: VF061290.D

Acq: 8 Jan 2019 16:55

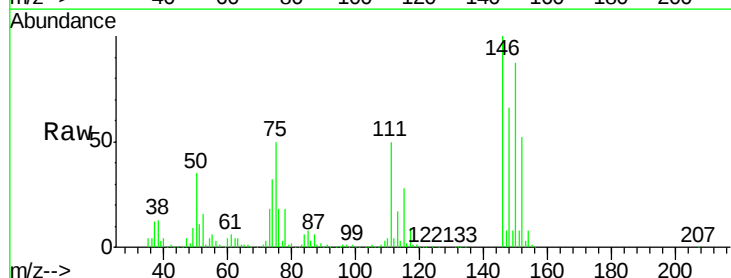
Tgt Ion:152 Resp: 167319

Ion Ratio Lower Upper

152 100

115 53.8 29.6 88.9

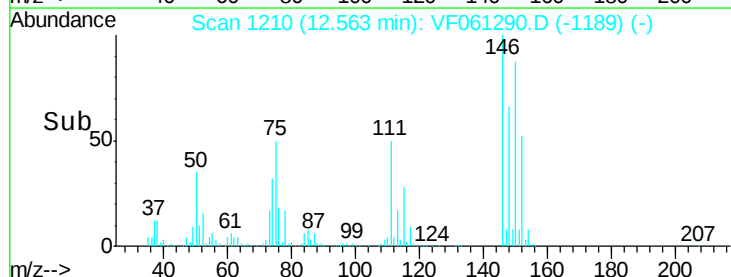
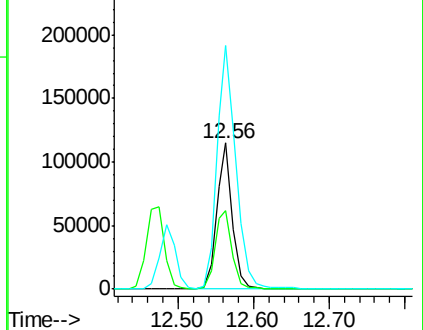
150 166.8 0.0 315.4

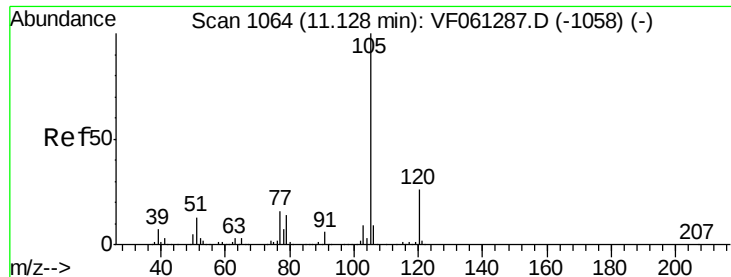


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 115.644 ug/l

RT: 11.13 min Scan# 1065

Delta R.T. 0.01 min

Lab File: VF061290.D

Acq: 8 Jan 2019 16:55

Instrument :

MSVOA_F

ClientSampleId :

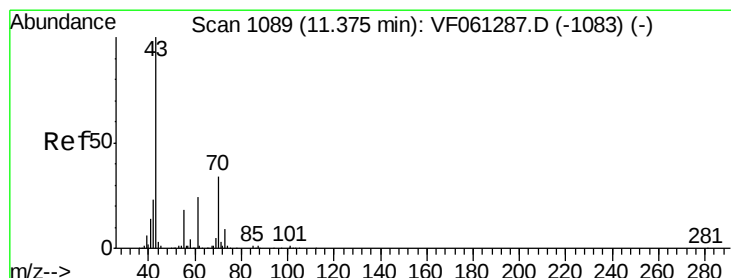
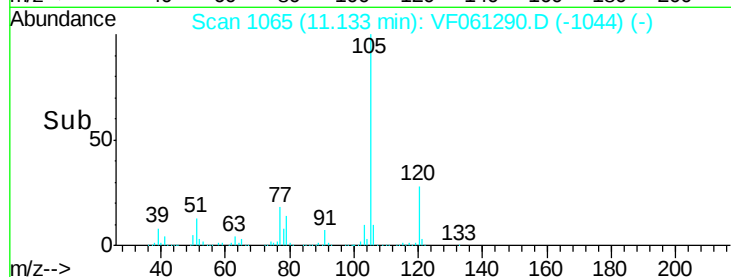
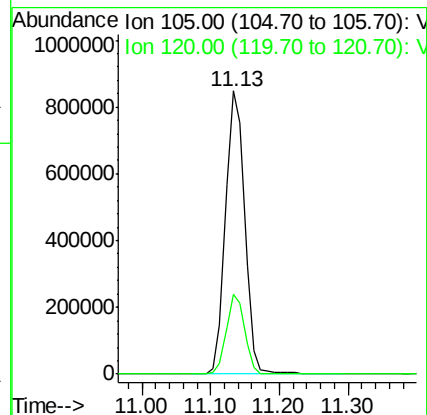
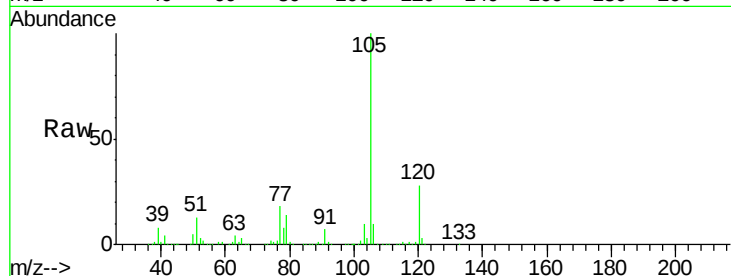
VSTDIC150

Tot Ion:105 Resp: 1643611

Ion Ratio Lower Upper

105 100

120 28.1 12.9 38.7



#74

N-ethyl acetate

Concen: 108.414 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. 0.01 min

Lab File: VF061290.D

Acq: 8 Jan 2019 16:55

Tgt Ion: 43 Resp: 389019

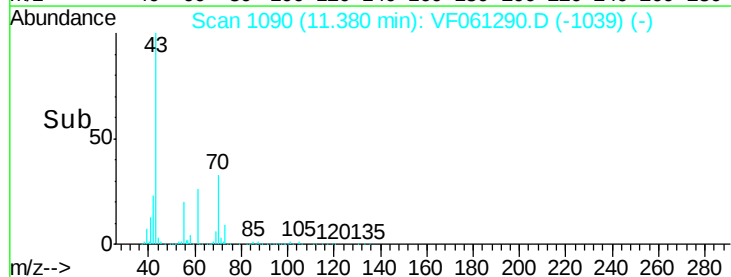
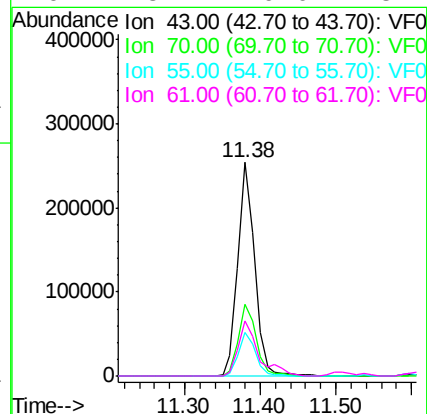
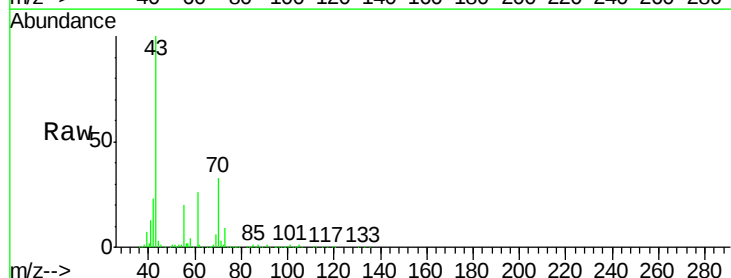
Ion Ratio Lower Upper

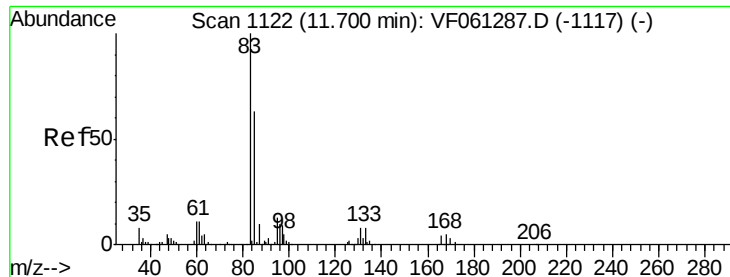
43 100

70 33.3 27.4 41.0

55 20.3 14.7 22.1

61 25.7 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 121.296 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VF061290.D

Acq: 8 Jan 2019 16:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

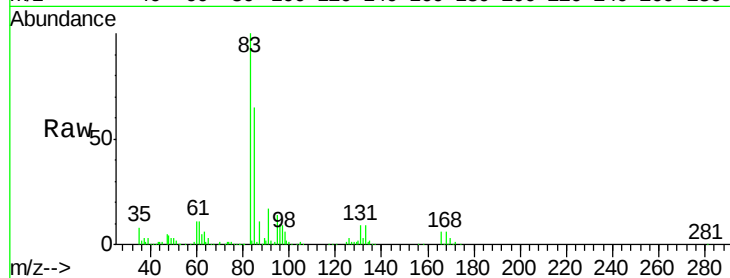
Tot Ion: 83 Resp: 301123

Ion Ratio Lower Upper

83 100

131 9.0 3.9 11.7

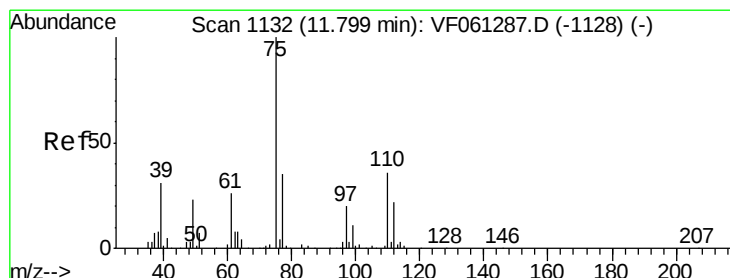
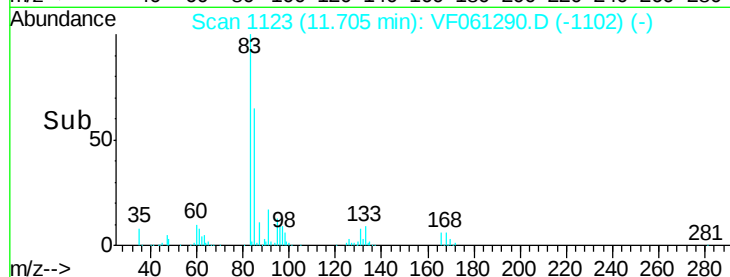
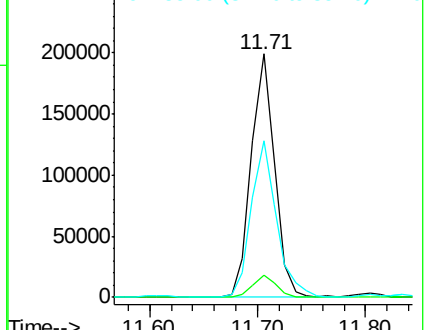
85 64.5 31.6 94.7



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 116.382 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. 0.01 min

Lab File: VF061290.D

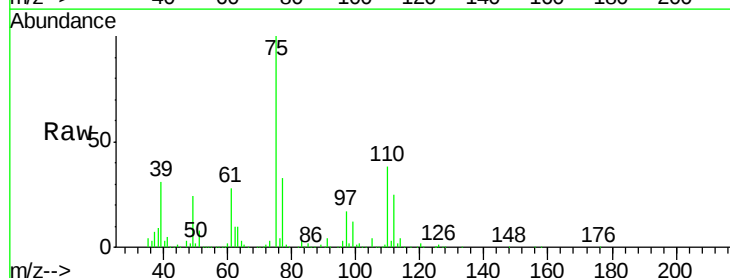
Acq: 8 Jan 2019 16:55

Tgt Ion: 75 Resp: 214482

Ion Ratio Lower Upper

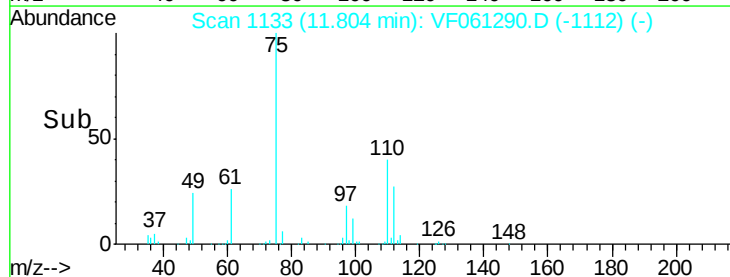
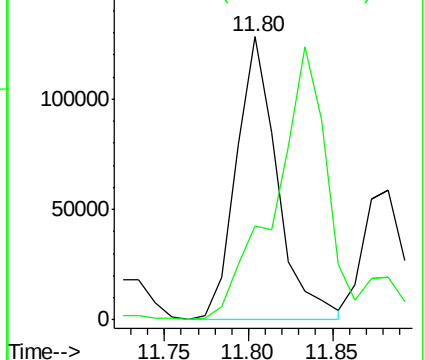
75 100

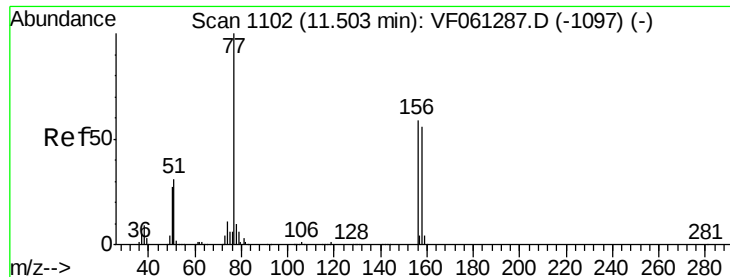
77 33.1 17.5 52.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 120.197 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VF061290.D

Acq: 8 Jan 2019 16:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

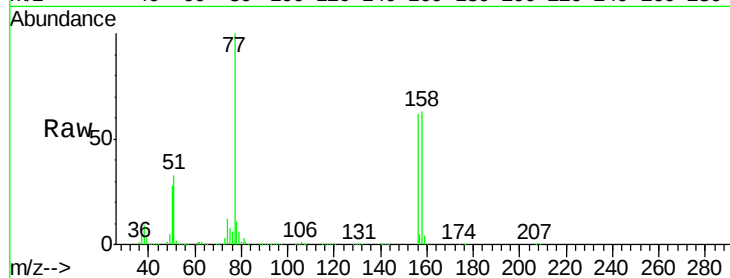
Tot Ion:156 Resp: 358625

Ion Ratio Lower Upper

156 100

77 160.6 84.3 252.9

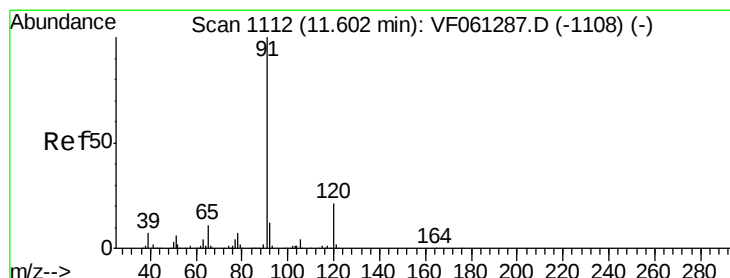
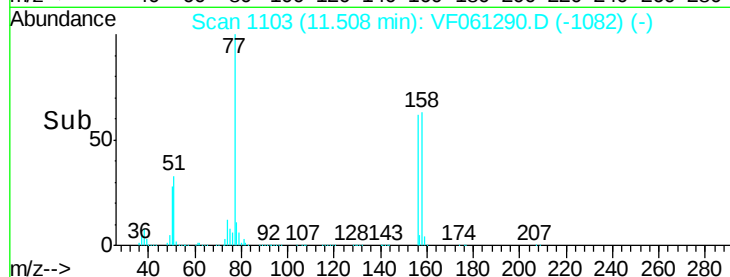
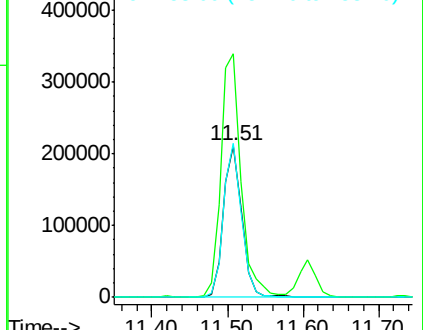
158 101.4 47.1 141.3



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: 109.355 ug/l

RT: 11.61 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VF061290.D

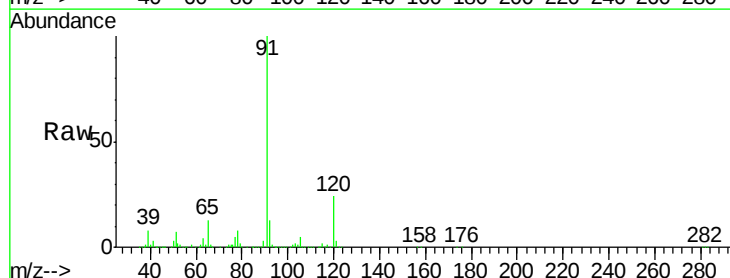
Acq: 8 Jan 2019 16:55

Tgt Ion: 91 Resp: 1852575

Ion Ratio Lower Upper

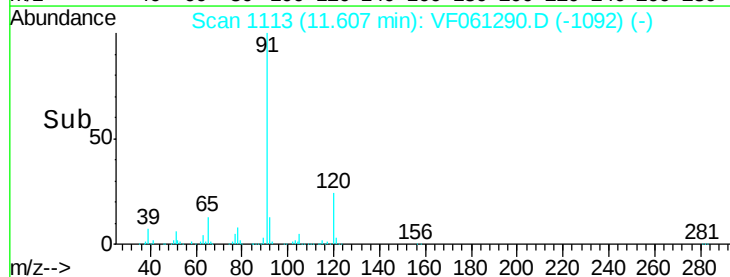
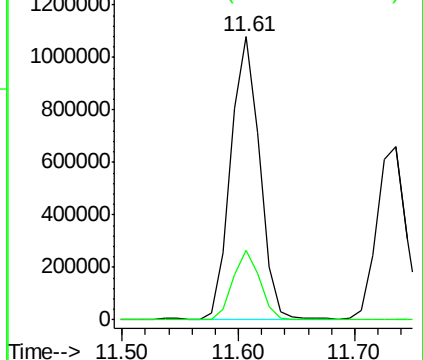
91 100

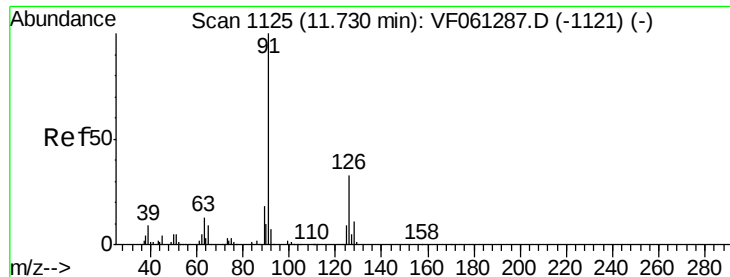
120 24.5 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

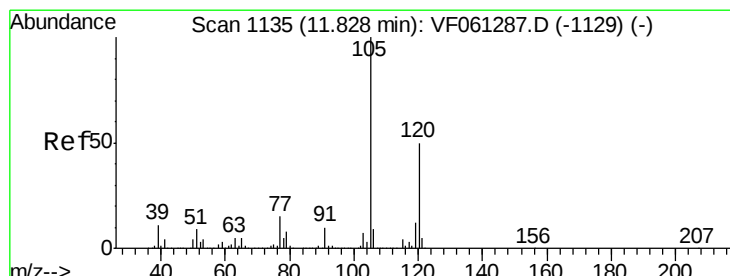
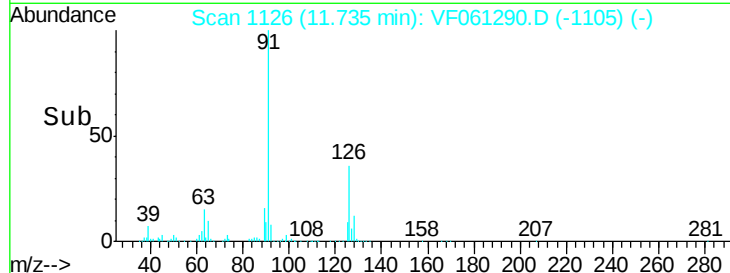
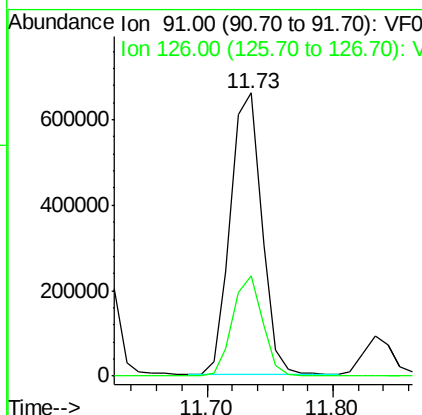
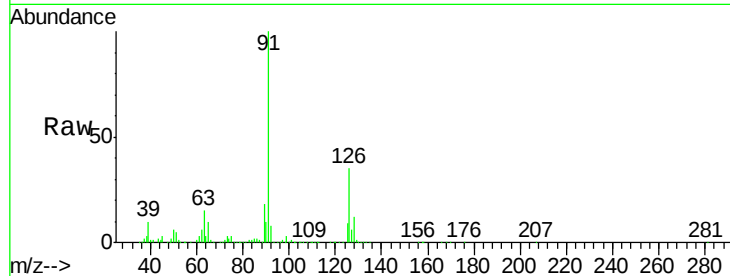




#79
 2-Chlorotoluene
 Concen: 116.094 ug/l
 RT: 11.73 min Scan# 1126
 Delta R.T. 0.01 min
 Lab File: VF061290.D
 Acq: 8 Jan 2019 16:55

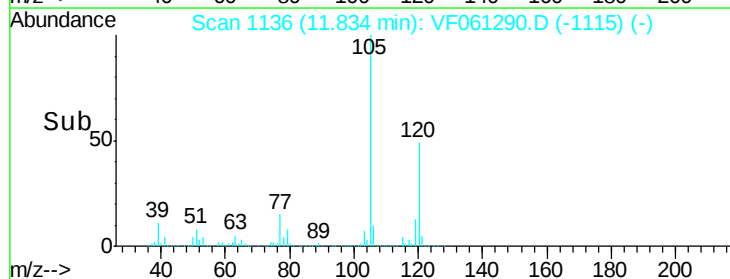
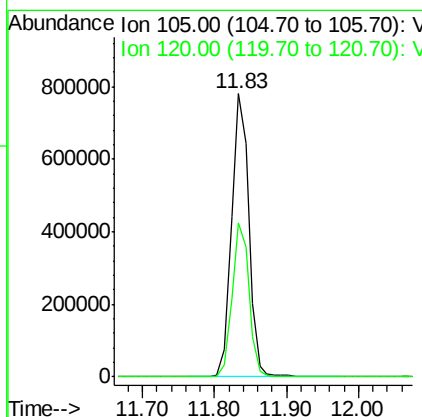
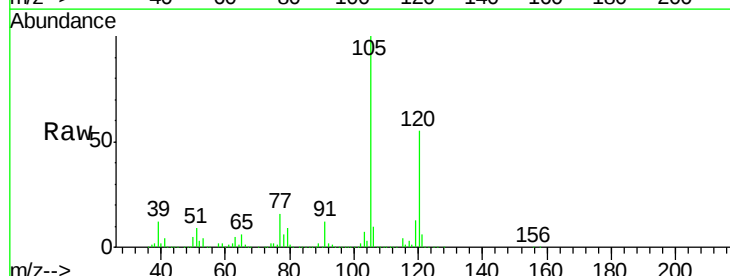
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

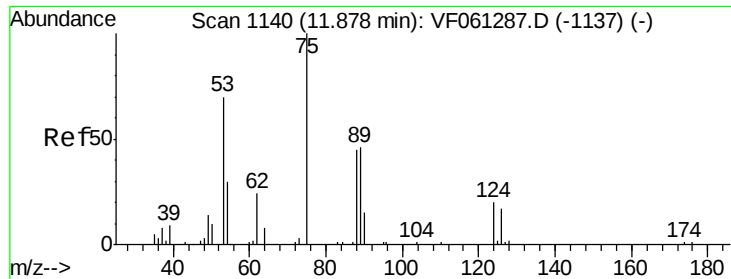
Tot Ion: 91 Resp: 1135841
 Ion Ratio Lower Upper
 91 100
 126 35.5 16.6 49.8



#80
 1,3,5-Trimethylbenzene
 Concen: 113.973 ug/l
 RT: 11.83 min Scan# 1136
 Delta R.T. 0.01 min
 Lab File: VF061290.D
 Acq: 8 Jan 2019 16:55

Tgt Ion: 105 Resp: 1307723
 Ion Ratio Lower Upper
 105 100
 120 54.6 25.2 75.6

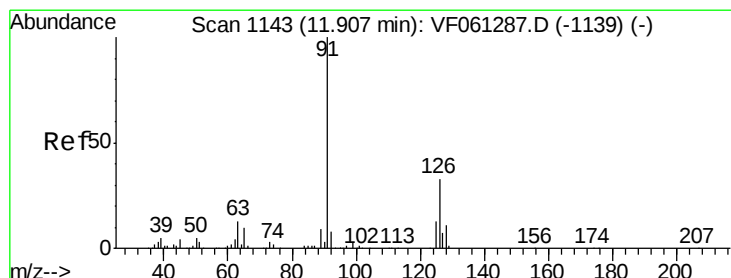
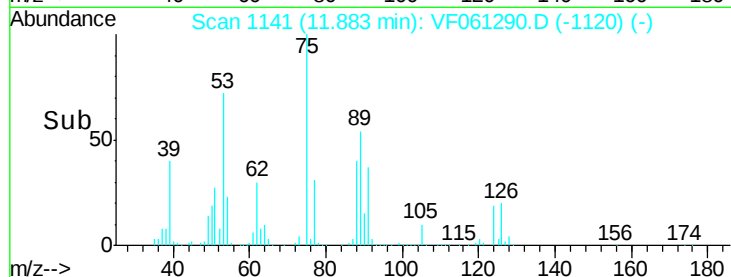
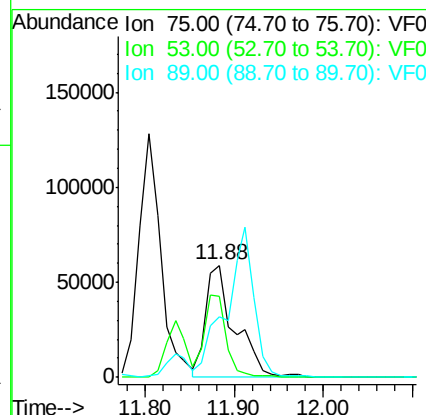
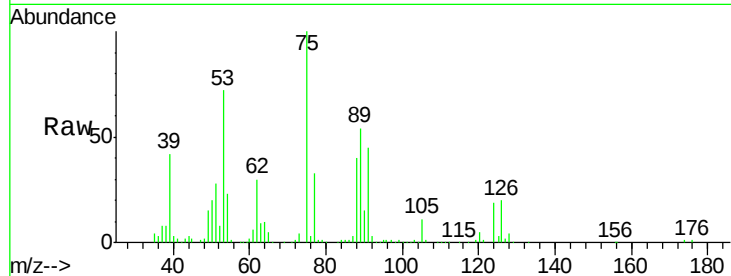




#81
trans-1,4-Dichloro-2-butene
Concen: 156.386 ug/l
RT: 11.88 min Scan# 1141
Delta R.T. 0.01 min
Lab File: VF061290.D
Acq: 8 Jan 2019 16:55

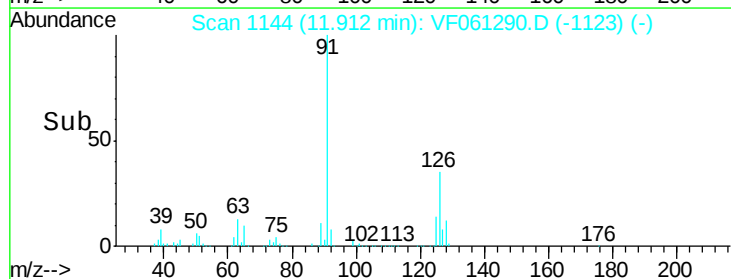
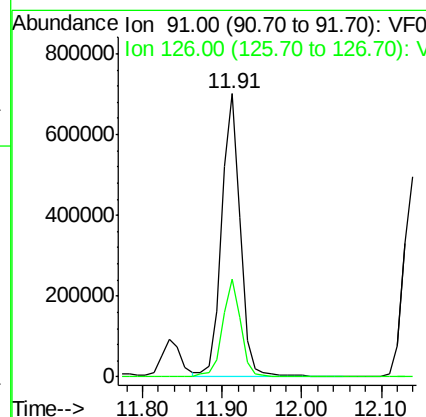
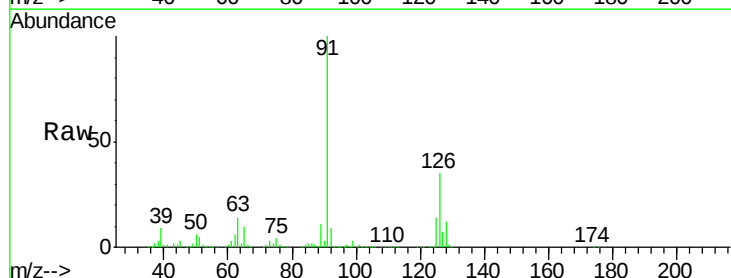
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

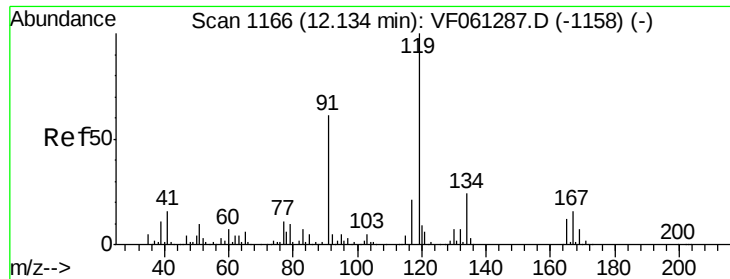
Tot Ion: 75 Resp: 132093
Ion Ratio Lower Upper
75 100
53 72.4 62.2 93.2
89 54.2 40.2 60.4



#82
4-Chlorotoluene
Concen: 115.990 ug/l
RT: 11.91 min Scan# 1144
Delta R.T. 0.01 min
Lab File: VF061290.D
Acq: 8 Jan 2019 16:55

Tgt Ion: 91 Resp: 1150406
Ion Ratio Lower Upper
91 100
126 34.6 16.4 49.4

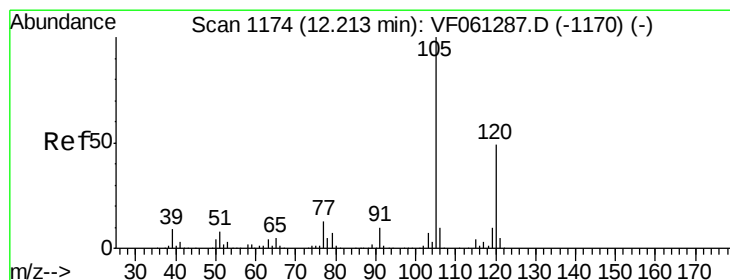
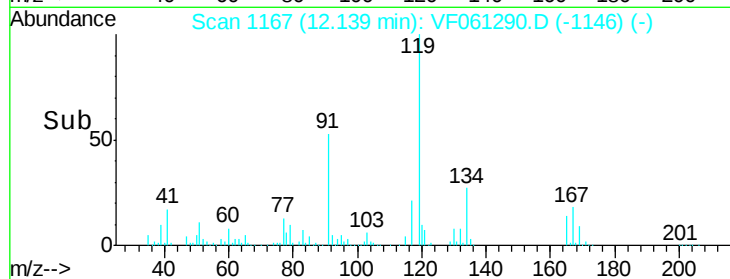
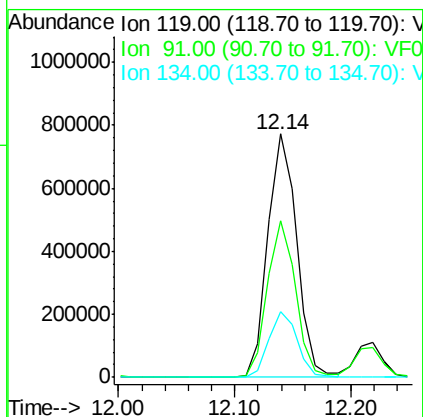
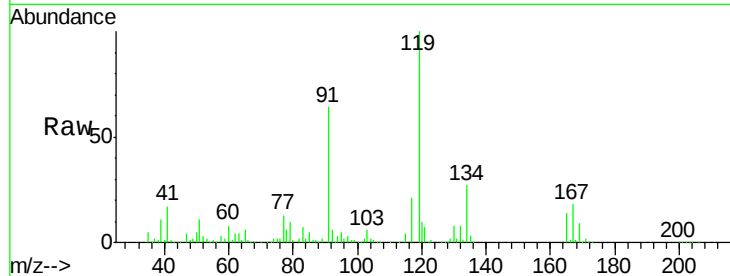




#83
tert-Butylbenzene
Concen: 113.009 ug/l
RT: 12.14 min Scan# 1167
Delta R.T. 0.01 min
Lab File: VF061290.D
Acq: 8 Jan 2019 16:55

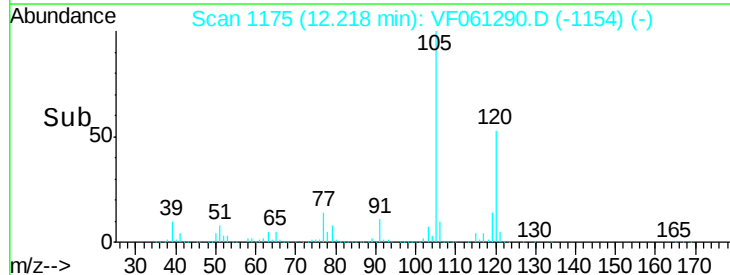
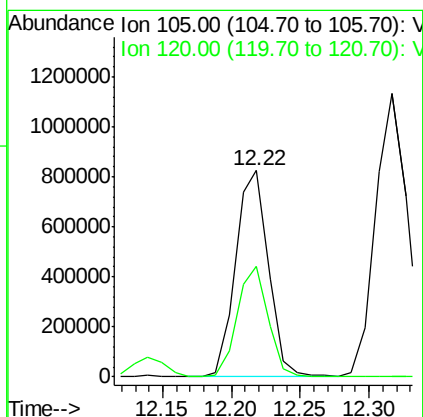
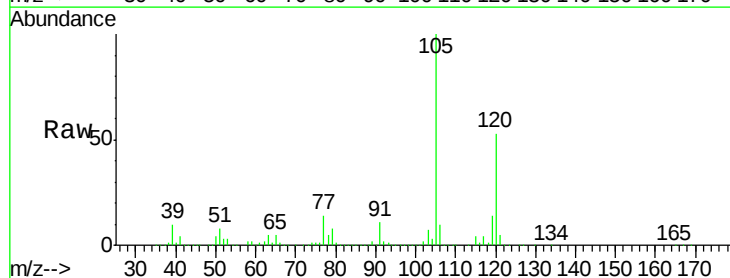
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

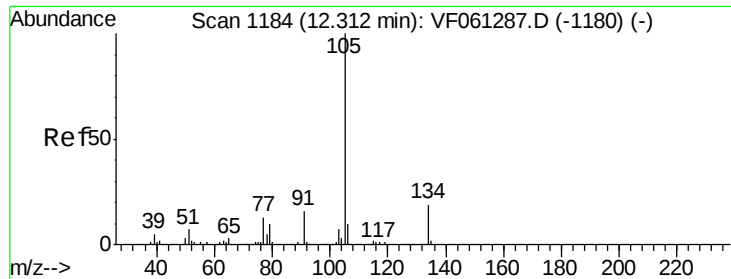
Tot Ion:119 Resp: 1336933
Ion Ratio Lower Upper
119 100
91 64.2 30.8 92.4
134 27.0 11.9 35.9



#84
1,2,4-Trimethylbenzene
Concen: 119.614 ug/l
RT: 12.22 min Scan# 1175
Delta R.T. 0.01 min
Lab File: VF061290.D
Acq: 8 Jan 2019 16:55

Tgt Ion:105 Resp: 1366302
Ion Ratio Lower Upper
105 100
120 53.4 24.7 74.1





#85

sec-Butylbenzene

Concen: 114.423 ug/l

RT: 12.32 min Scan# 1185

Delta R.T. 0.01 min

Lab File: VF061290.D

Acq: 8 Jan 2019 16:55

Instrument :

MSVOA_F

ClientSampleId :

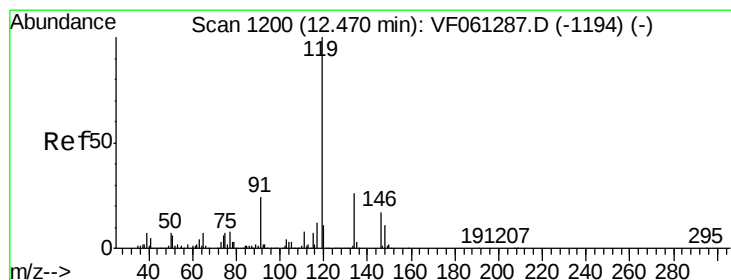
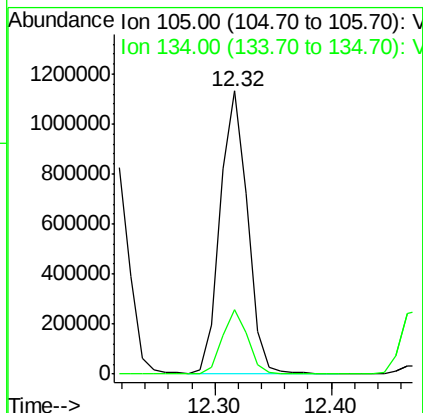
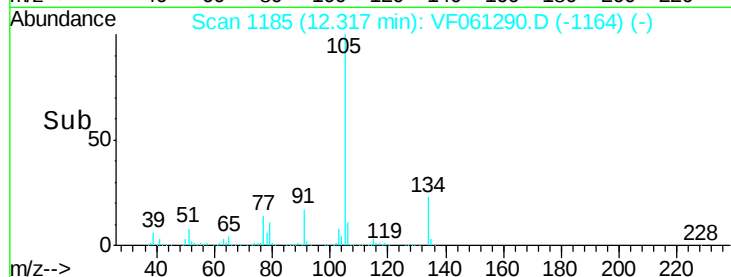
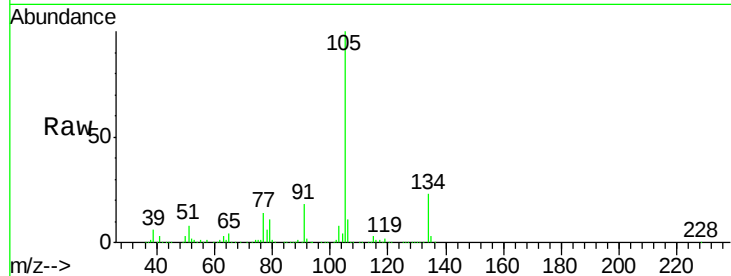
VSTDIC150

Tot Ion:105 Resp: 1836183

Ion Ratio Lower Upper

105 100

134 22.6 9.7 28.9



#86

p-Isopropyltoluene

Concen: 111.286 ug/l

RT: 12.46 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VF061290.D

Acq: 8 Jan 2019 16:55

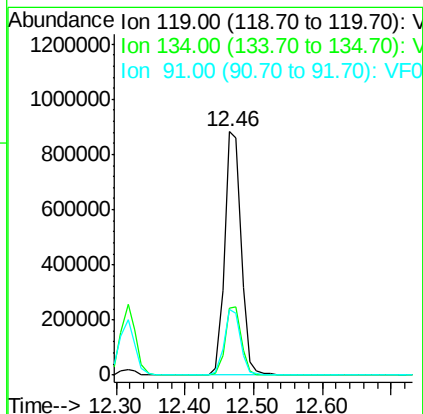
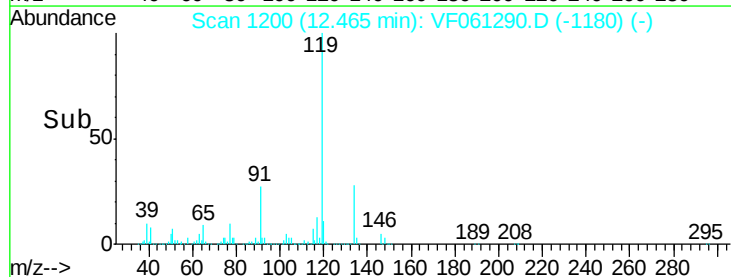
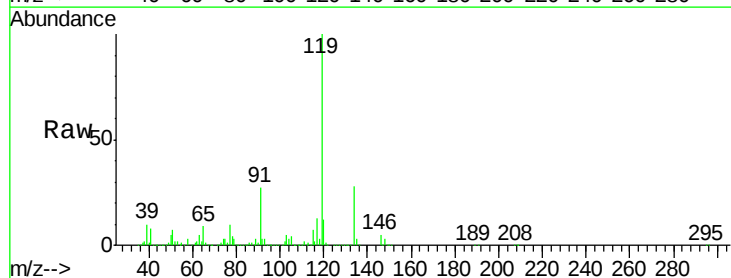
Tgt Ion:119 Resp: 1471451

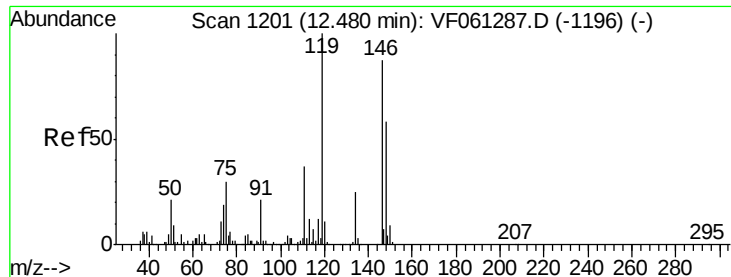
Ion Ratio Lower Upper

119 100

134 27.7 13.0 39.0

91 27.0 12.2 36.4

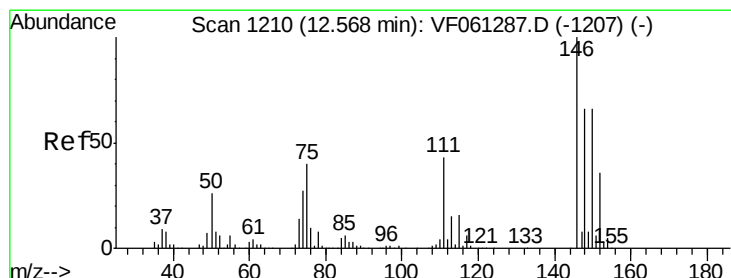
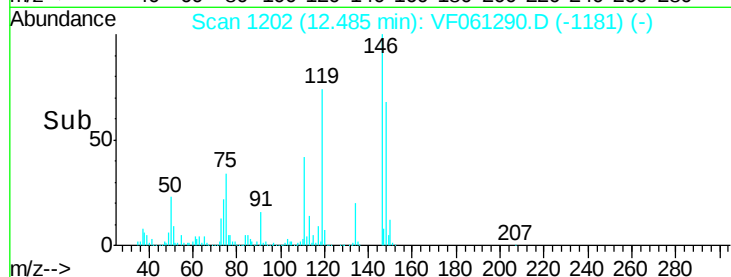
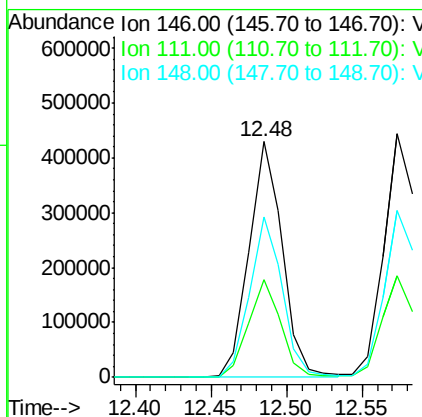
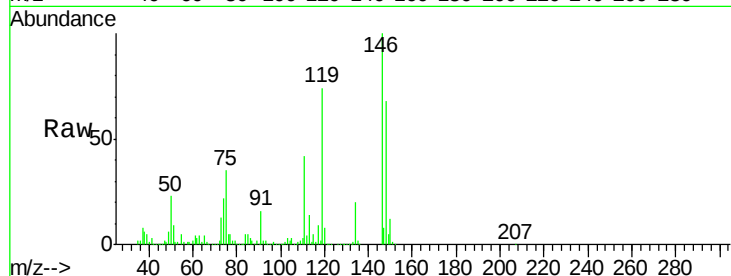




#87
 1,3-Dichlorobenzene
 Concen: 114.478 ug/l
 RT: 12.48 min Scan# 1202
 Delta R.T. 0.01 min
 Lab File: VF061290.D
 Acq: 8 Jan 2019 16:55

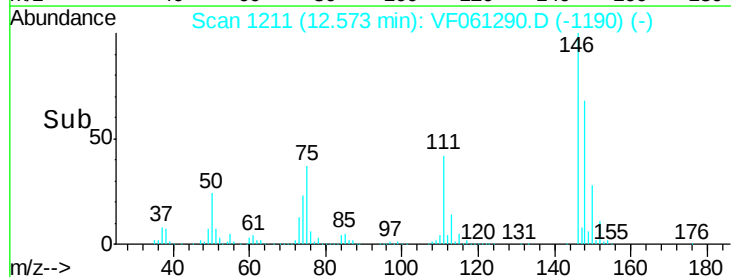
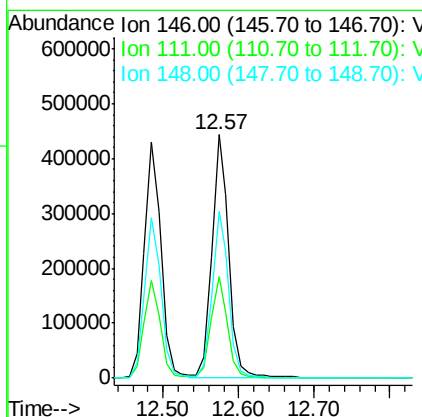
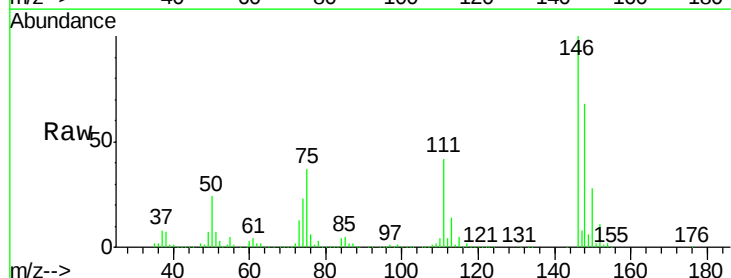
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

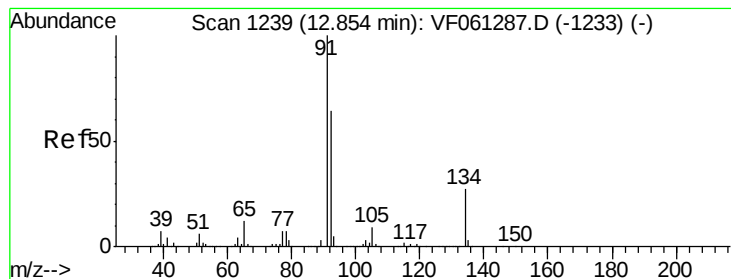
Tot Ion:146 Resp: 659089
 Ion Ratio Lower Upper
 146 100
 111 41.7 21.1 63.3
 148 68.0 33.1 99.5



#88
 1,4-Dichlorobenzene
 Concen: 124.209 ug/l
 RT: 12.57 min Scan# 1211
 Delta R.T. 0.01 min
 Lab File: VF061290.D
 Acq: 8 Jan 2019 16:55

Tgt Ion:146 Resp: 697738
 Ion Ratio Lower Upper
 146 100
 111 41.9 21.4 64.2
 148 68.5 33.0 98.9





#89

n-Butylbenzene

Concen: 108.817 ug/l

RT: 12.85 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VF061290.D

Acq: 8 Jan 2019 16:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

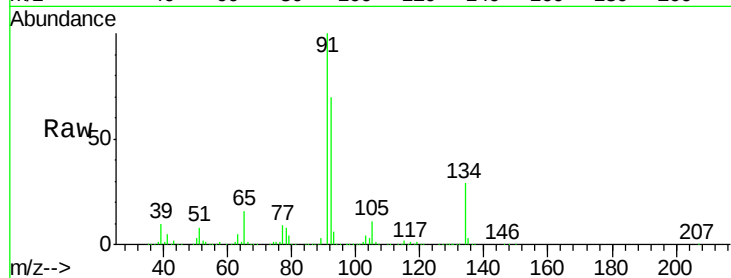
Tot Ion: 91 Resp: 1478279

Ion Ratio Lower Upper

91 100

92 70.3 32.1 96.3

134 28.7 13.4 40.1

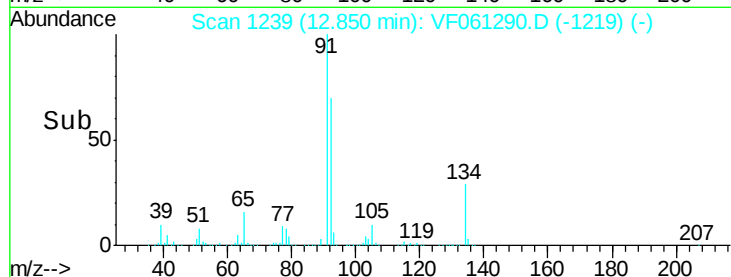


Abundance Ion 91.00 (90.70 to 91.70): VF061287.D (-1233) (-)

Ion 92.00 (91.70 to 92.70): VF061287.D (-1233) (-)

Ion 134.00 (133.70 to 134.70): VF061287.D (-1233) (-)

Time-->

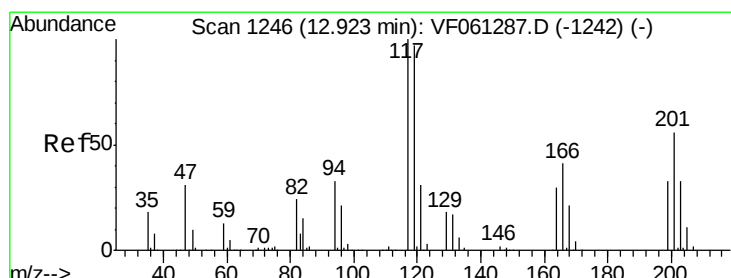


Abundance Ion 91.00 (90.70 to 91.70): VF061290.D (-1219) (-)

Ion 92.00 (91.70 to 92.70): VF061290.D (-1219) (-)

Ion 134.00 (133.70 to 134.70): VF061290.D (-1219) (-)

Time-->



#90

Hexachloroethane

Concen: 123.760 ug/l

RT: 12.93 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VF061290.D

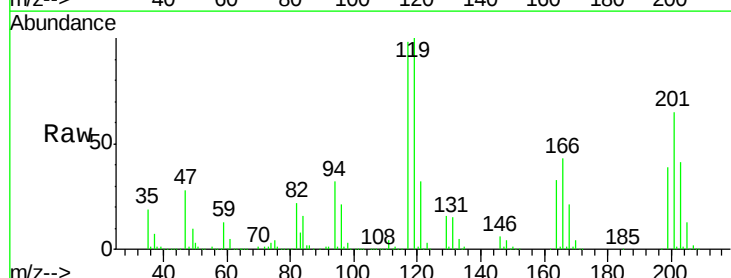
Acq: 8 Jan 2019 16:55

Tgt Ion: 117 Resp: 403716

Ion Ratio Lower Upper

117 100

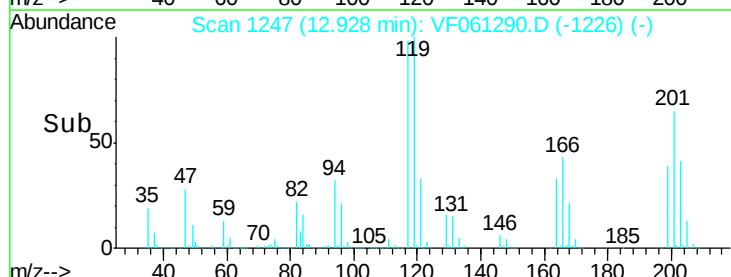
201 65.8 27.9 83.7



Abundance Ion 117.00 (116.70 to 117.70): VF061287.D (-1242) (-)

Ion 201.00 (200.70 to 201.70): VF061287.D (-1242) (-)

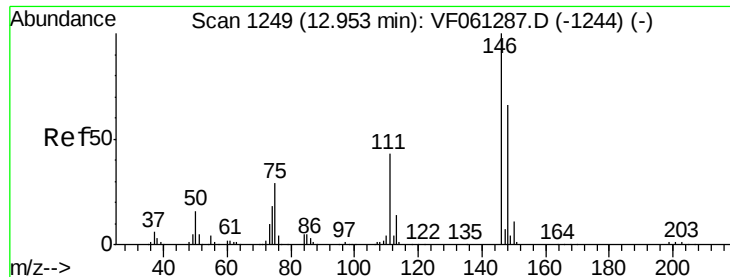
Time-->



Abundance Ion 117.00 (116.70 to 117.70): VF061290.D (-1226) (-)

Ion 201.00 (200.70 to 201.70): VF061290.D (-1226) (-)

Time-->



#91

1,2-Dichlorobenzene

Concen: 119.017 ug/l

RT: 12.95 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VF061290.D

Acq: 8 Jan 2019 16:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

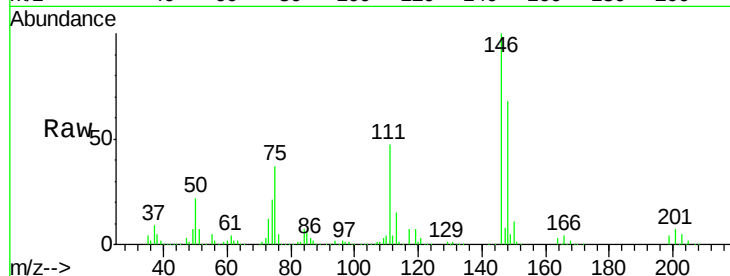
Tot Ion:146 Resp: 661936

Ion Ratio Lower Upper

146 100

111 47.1 21.4 64.3

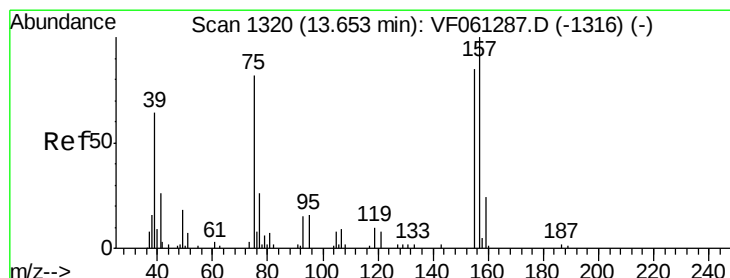
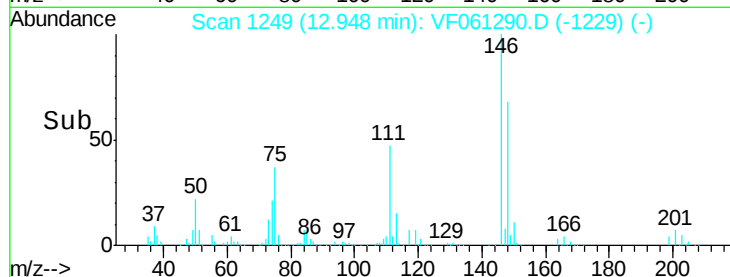
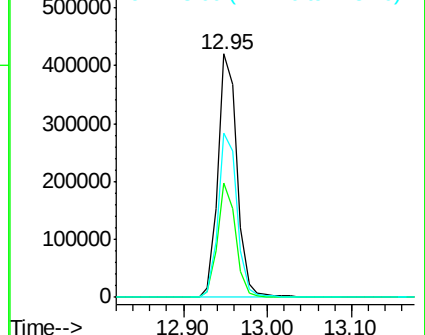
148 67.6 33.1 99.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 134.417 ug/l

RT: 13.65 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VF061290.D

Acq: 8 Jan 2019 16:55

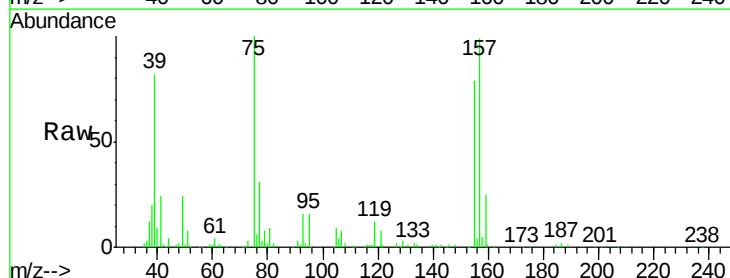
Tgt Ion: 75 Resp: 59967

Ion Ratio Lower Upper

75 100

155 78.7 51.3 154.0

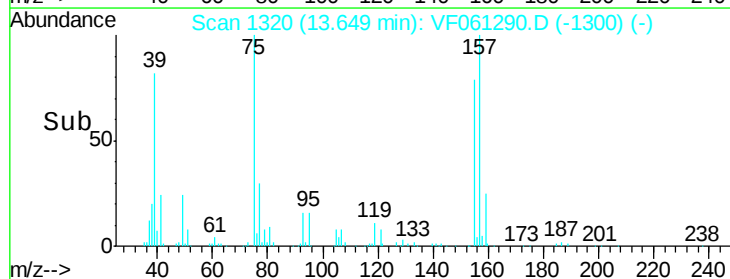
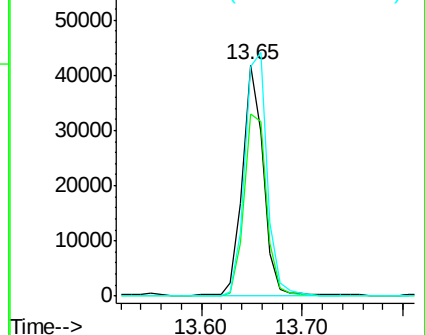
157 99.5 60.7 182.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

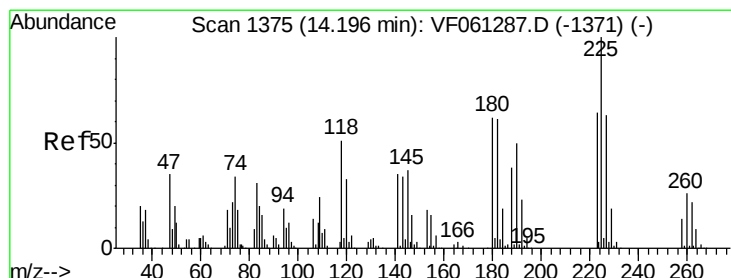
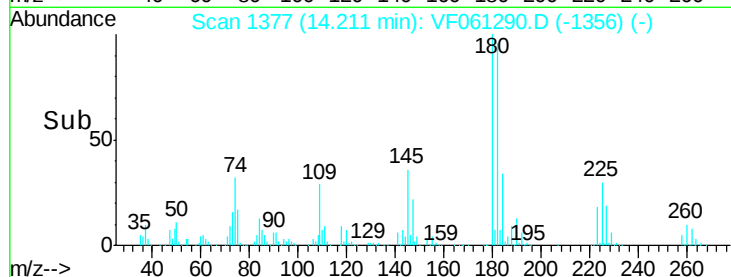
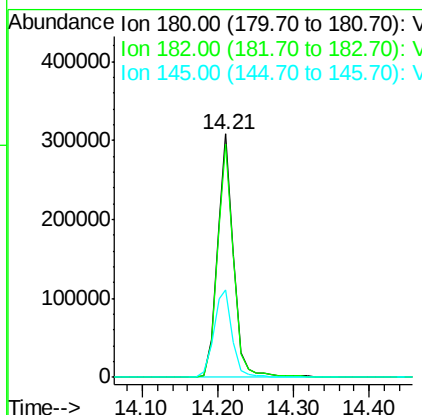
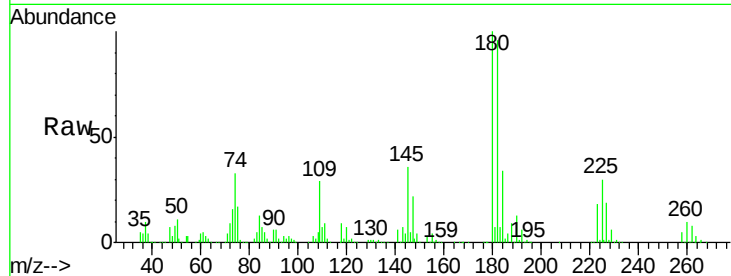




#93
 1,2,4-Trichlorobenzene
 Concen: 118.596 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. 0.01 min
 Lab File: VF061290.D
 Acq: 8 Jan 2019 16:55

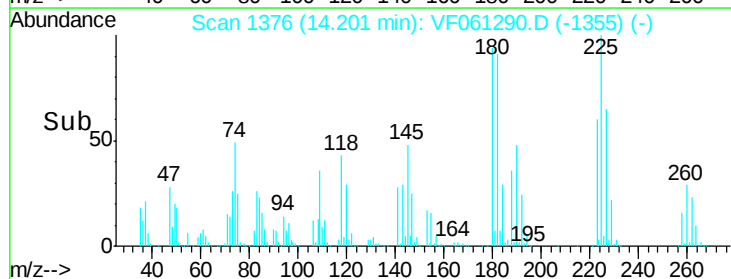
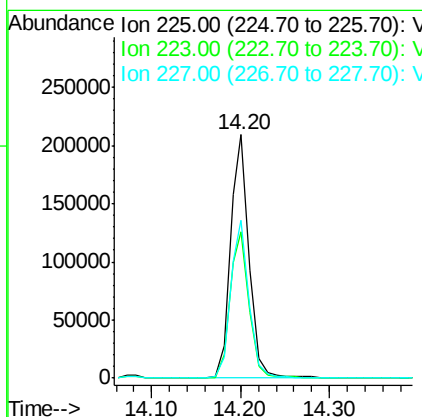
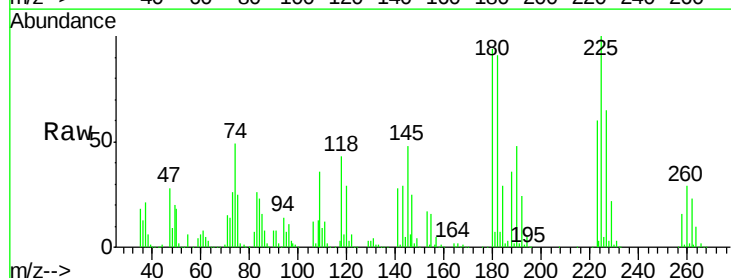
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

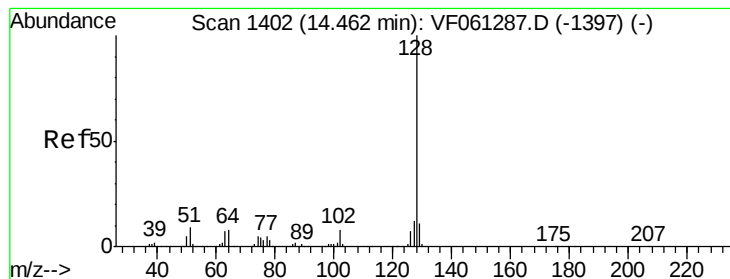
Tot Ion:180 Resp: 461871
 Ion Ratio Lower Upper
 180 100
 182 96.1 47.0 141.2
 145 36.1 19.7 59.1



#94
 Hexachlorobutadiene
 Concen: 124.151 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. 0.01 min
 Lab File: VF061290.D
 Acq: 8 Jan 2019 16:55

Tgt Ion:225 Resp: 308057
 Ion Ratio Lower Upper
 225 100
 223 60.1 31.8 95.4
 227 64.8 31.3 93.9





#95

Naphthalene

Concen: 136.650 ug/l

RT: 14.47 min Scan# 1403

Delta R.T. 0.01 min

Lab File: VF061290.D

Acq: 8 Jan 2019 16:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

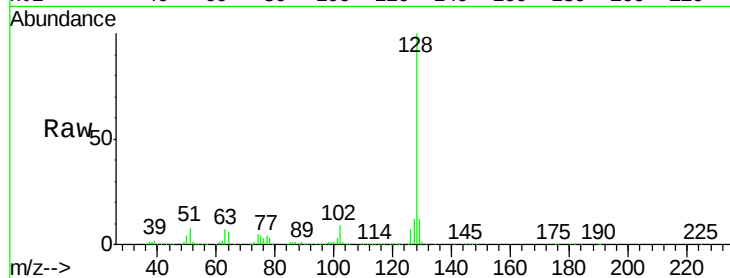
Tot Ion:128 Resp: 994752

Ion Ratio Lower Upper

128 100

127 12.5 9.4 14.0

129 12.1 8.8 13.2

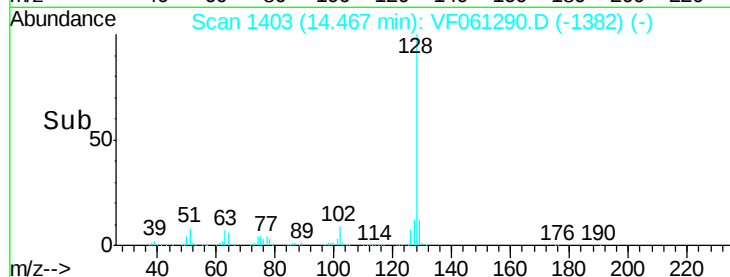


Abundance Ion 128.00 (127.70 to 128.70): V

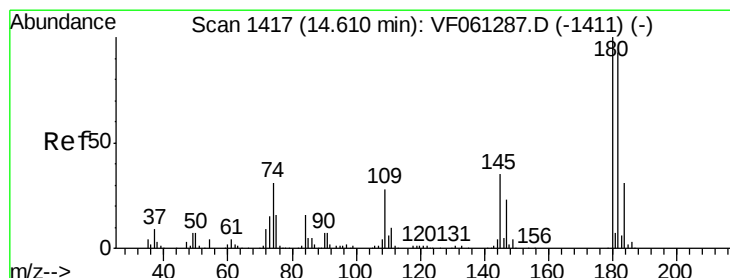
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

14.47



Time--> 14.30 14.40 14.50 14.60



#96

1,2,3-Trichlorobenzene

Concen: 122.521 ug/l

RT: 14.62 min Scan# 1418

Delta R.T. 0.01 min

Lab File: VF061290.D

Acq: 8 Jan 2019 16:55

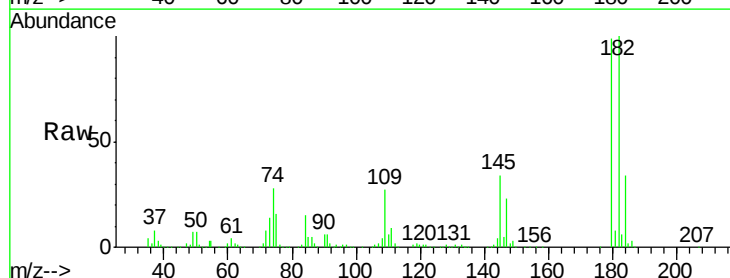
Tgt Ion:180 Resp: 442416

Ion Ratio Lower Upper

180 100

182 101.2 46.5 139.3

145 34.7 17.5 52.6

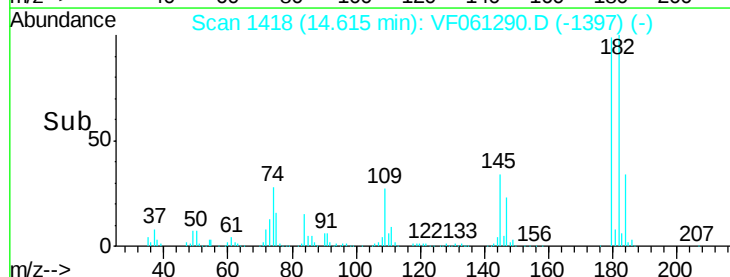


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

14.62



Time--> 14.50 14.60 14.70 14.80