

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071818\
 Data File : VF059546.D
 Acq On : 19 Jul 2018 8:13
 Operator : VA/AP
 Sample : VF0719SBS01
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0719SBS01

Quant Time: Jul 19 08:36:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	215371	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.76	114	341875	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.91	117	337449	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	223154	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	190222	56.79	ug/l	-0.02
Spiked Amount			Recovery	=	113.58%	
35) Dibromofluoromethane	4.28	113	156407	52.82	ug/l	-0.02
Spiked Amount			Recovery	=	105.64%	
50) Toluene-d8	7.70	98	349086	46.80	ug/l	-0.02
Spiked Amount			Recovery	=	93.60%	
62) 4-Bromofluorobenzene	11.51	95	204779	52.34	ug/l	-0.01
Spiked Amount			Recovery	=	104.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	57870	21.931	ug/l	95
3) Chloromethane	1.09	50	29779	20.510	ug/l	97
4) Vinyl Chloride	1.15	62	33973	23.190	ug/l	92
5) Bromomethane	1.33	94	27141	26.732	ug/l	94
6) Chloroethane	1.42	64	20020	27.101	ug/l #	83
7) Trichlorofluoromethane	1.52	101	35761	9.974	ug/l	99
8) Diethyl Ether	1.70	74	15882	23.020	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.90	101	44645	29.485	ug/l	93
10) Methyl Iodide	1.96	142	80597	30.406	ug/l	93
11) Tert butyl alcohol	2.67	59	17615	117.384	ug/l #	83
12) 1,1-Dichloroethene	1.86	96	37435	23.248	ug/l	93
13) Acrolein	2.08	56	7874	100.763	ug/l	90
14) Allyl chloride	2.18	41	61317	30.514	ug/l #	80
15) Acrylonitrile	3.07	53	34065	121.216	ug/l	91
16) Acetone	2.33	43	68468	122.837	ug/l	98
17) Carbon Disulfide	1.84	76	27902	6.762	ug/l #	92
18) Methyl Acetate	2.53	43	44208	42.773	ug/l	94
19) Methyl tert-butyl Ether	2.53	73	117703	23.301	ug/l	97
20) Methylene Chloride	2.27	84	27763	15.180	ug/l #	76
21) trans-1,2-Dichloroethene	2.41	96	38315	25.735	ug/l	95
22) Diisopropyl ether	2.92	45	124494	22.044	ug/l	95
23) Vinyl Acetate	3.32	43	313531	95.003	ug/l #	95
24) 1,1-Dichloroethane	2.99	63	90258	25.879	ug/l	98
25) 2-Butanone	4.51	43	82571	106.178	ug/l	96
26) 2,2-Dichloropropane	3.75	77	53462	23.170	ug/l	96
27) cis-1,2-Dichloroethene	3.62	96	47123	27.196	ug/l	93
28) Bromochloromethane	3.88	49	34888	22.725	ug/l	99
29) Tetrahydrofuran	4.24	42	37956	107.764	ug/l	99
30) Chloroform	4.02	83	123442	24.500	ug/l	96
31) Cyclohexane	3.85	56	49696	27.509	ug/l	89
32) 1,1,1-Trichloroethane	4.26	97	101043	30.860	ug/l	90
36) 1,1-Dichloropropene	4.45	75	69829	20.406	ug/l	91
37) Ethyl Acetate	4.28	43	38258	16.965	ug/l #	9
38) Carbon Tetrachloride	4.16	117	115128	29.358	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071818\
 Data File : VF059546.D
 Acq On : 19 Jul 2018 8:13
 Operator : VA/AP
 Sample : VF0719SBS01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0719SBS01

Quant Time: Jul 19 08:36:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	63746	24.546	ug/l	95
40) Benzene	4.80	78	140883	21.222	ug/l	97
41) Methacrylonitrile	4.90	41	19412	19.782	ug/l #	91
42) 1,2-Dichloroethane	5.11	62	101806	23.347	ug/l	96
43) Isopropyl Acetate	7.10	43	45396	18.462	ug/l #	95
44) Trichloroethene	5.66	130	54095	22.014	ug/l	94
45) 1,2-Dichloropropane	6.39	63	38755	21.033	ug/l #	88
46) Dibromomethane	6.24	93	36685	21.862	ug/l	94
47) Bromodichloromethane	6.54	83	97373	22.543	ug/l	98
48) Methyl methacrylate	6.87	41	33506	19.079	ug/l	91
49) 1,4-Dioxane	6.87	88	4750	560.921	ug/l #	61
51) 4-Methyl-2-Pentanone	8.40	43	178847	102.609	ug/l	98
52) Toluene	7.77	92	102442	21.277	ug/l	90
53) t-1,3-Dichloropropene	8.42	75	84335	21.226	ug/l	98
54) cis-1,3-Dichloropropene	7.45	75	80215	20.276	ug/l	98
55) 1,1,2-Trichloroethane	8.63	97	43765	23.460	ug/l	98
56) Ethyl methacrylate	8.76	69	43815	18.939	ug/l	99
57) 1,3-Dichloropropane	8.99	76	72235	21.898	ug/l	91
58) 2-Chloroethyl Vinyl ether	7.77	63	23388	114.509	ug/l	100
59) 2-Hexanone	9.62	43	132415	100.520	ug/l	95
60) Dibromochloromethane	8.85	129	68962	21.935	ug/l	98
61) 1,2-Dibromoethane	9.13	107	52297	22.593	ug/l	97
64) Tetrachloroethene	8.29	164	61087	24.309	ug/l	98
65) Chlorobenzene	9.93	112	143620	22.694	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.06	131	63406	21.996	ug/l	91
67) Ethyl Benzene	10.03	91	249791	22.174	ug/l	98
68) m/p-Xylenes	10.26	106	180935	45.507	ug/l	99
69) o-Xylene	10.83	106	94434	22.305	ug/l	95
70) Styrene	10.90	104	153128	23.531	ug/l	96
71) Bromoform	10.89	173	42888	21.420	ug/l	98
73) Isopropylbenzene	11.22	105	298502	21.198	ug/l	99
74) N-amyl acetate	11.46	43	78408	17.386	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.78	83	64692	21.064	ug/l	96
76) 1,2,3-Trichloropropane	11.88	75	53368	21.279	ug/l	96
77) Bromobenzene	11.59	156	80020	20.274	ug/l	74
78) n-propylbenzene	11.68	91	353479	21.884	ug/l	99
79) 2-Chlorotoluene	11.80	91	221130	22.225	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	265073	22.465	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	28157	24.577	ug/l #	89
82) 4-Chlorotoluene	11.98	91	229053	20.546	ug/l	99
83) tert-Butylbenzene	12.21	119	254398	22.465	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	273890	22.562	ug/l	98
85) sec-Butylbenzene	12.38	105	335782	23.315	ug/l	95
86) p-Isopropyltoluene	12.53	119	274955	21.943	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	145864	21.542	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	143527	21.511	ug/l	94
89) n-Butylbenzene	12.92	91	272420	23.230	ug/l	98
90) Hexachloroethane	12.99	117	67349	23.661	ug/l	90
91) 1,2-Dichlorobenzene	13.01	146	143303	22.128	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	14825	21.306	ug/l	86

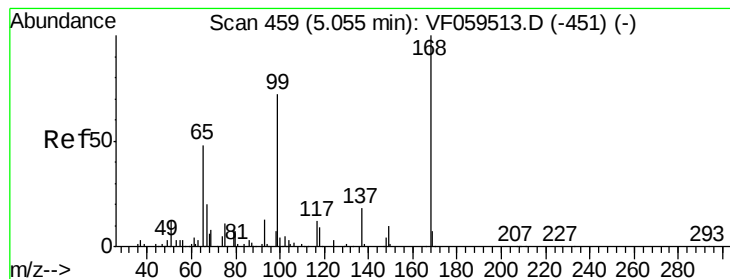
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF071818\
Data File : VF059546.D
Acq On : 19 Jul 2018 8:13
Operator : VA/AP
Sample : VF0719SBSD01
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0719SBSD01

Quant Time: Jul 19 08:36:14 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 18 04:09:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	102369	26.015	ug/l	94
94) Hexachlorobutadiene	14.26	225	59855	29.692	ug/l	96
95) Naphthalene	14.52	128	191678	23.448	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	97477	27.416	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF059546.D

Acq: 19 Jul 2018 8:13

Instrument :

MSVOA_F

ClientSampleId :

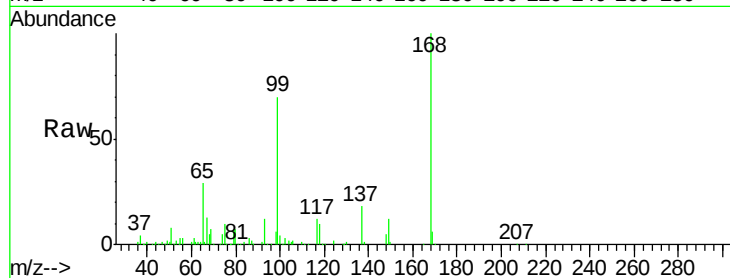
VF0719SBS01

Tot Ion:168 Resp: 215371

Ion Ratio Lower Upper

168 100

99 70.3 57.6 86.4



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

80000

60000

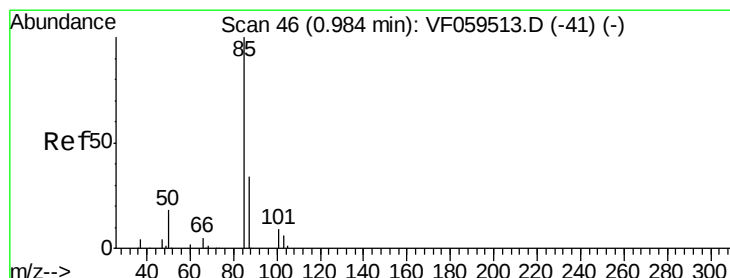
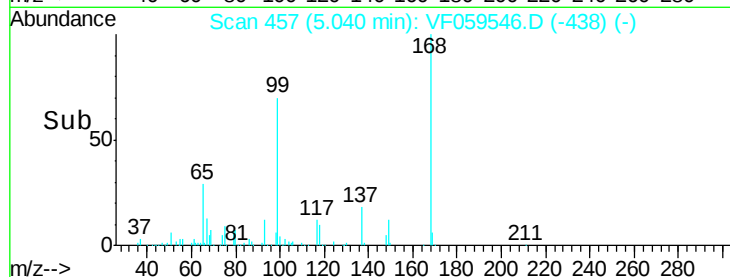
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 21.931 ug/l

RT: 0.99 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059546.D

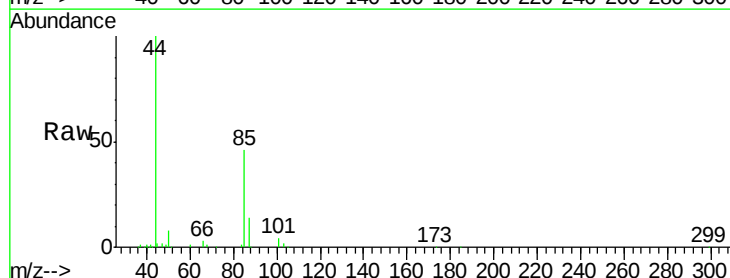
Acq: 19 Jul 2018 8:13

Tgt Ion: 85 Resp: 57870

Ion Ratio Lower Upper

85 100

87 31.1 16.9 50.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

15000

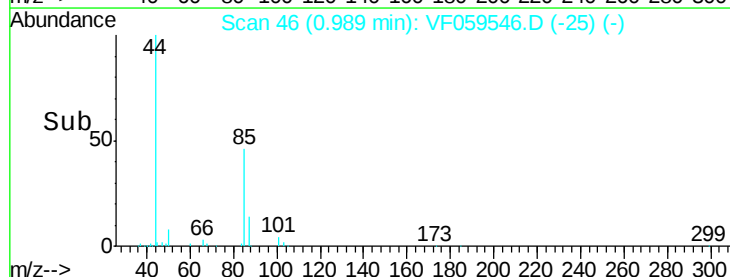
10000

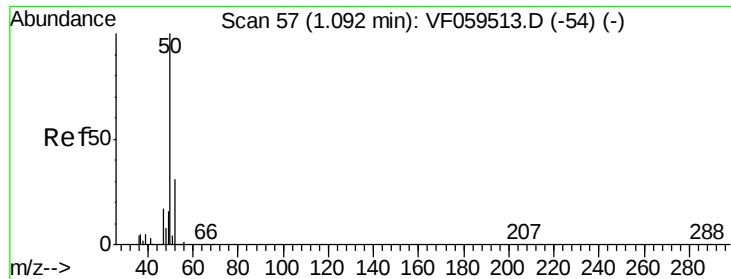
5000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 20.510 ug/l

RT: 1.09 min Scan# 56

Delta R.T. -0.01 min

Lab File: VF059546.D

Acq: 19 Jul 2018 8:13

Instrument :

MSVOA_F

ClientSampleId :

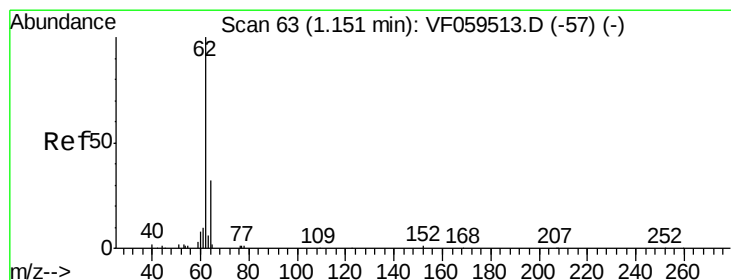
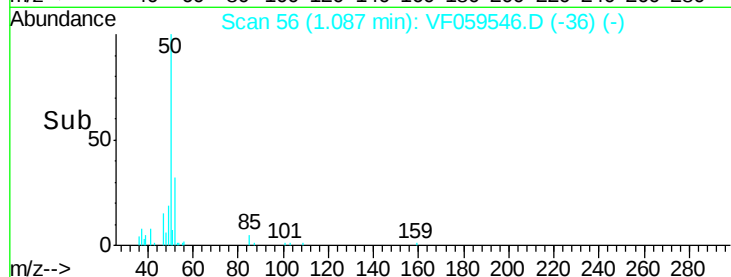
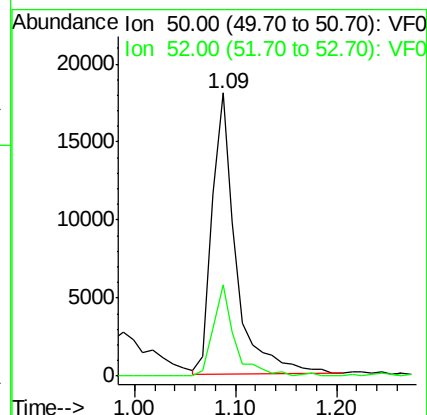
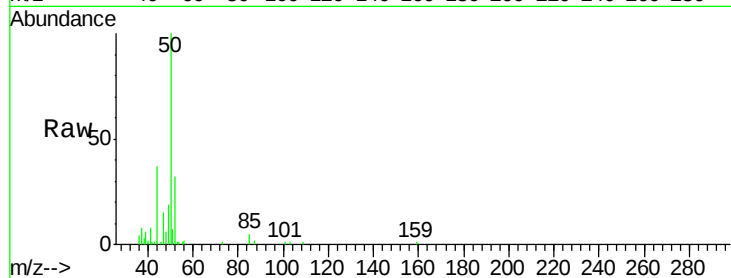
VF0719SBS01

Tot Ion: 50 Resp: 29779

Ion Ratio Lower Upper

50 100

52 32.4 24.6 37.0



#4

Vinyl Chloride

Concen: 23.190 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF059546.D

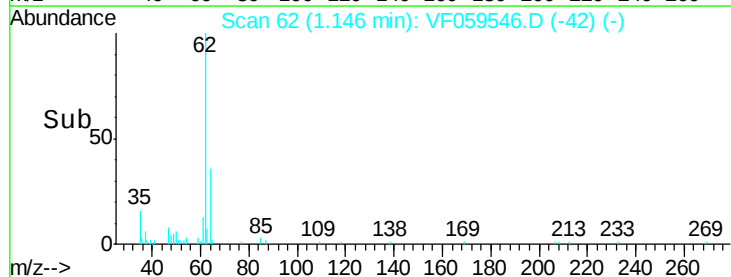
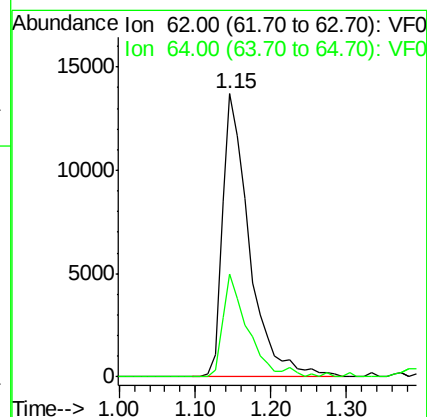
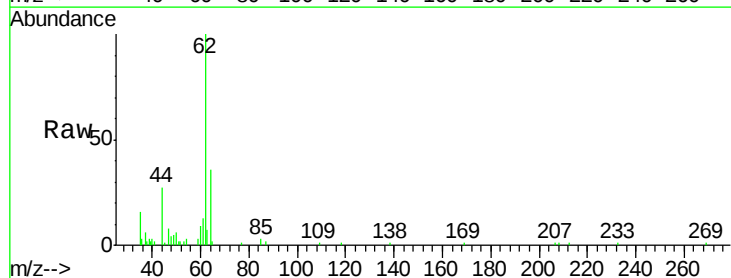
Acq: 19 Jul 2018 8:13

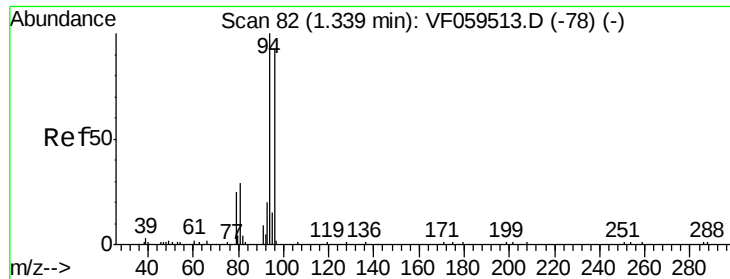
Tgt Ion: 62 Resp: 33973

Ion Ratio Lower Upper

62 100

64 36.3 25.7 38.5





#5

Bromomethane

Concen: 26.732 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF059546.D

Acq: 19 Jul 2018 8:13

Instrument :

MSVOA_F

ClientSampleId :

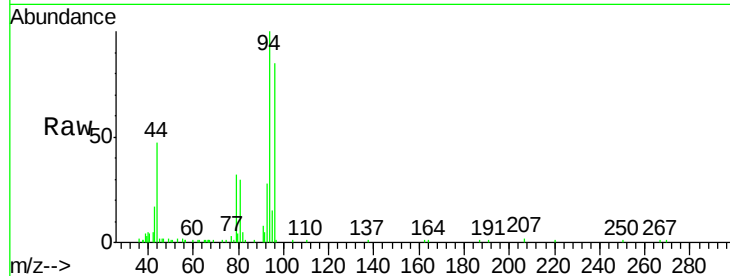
VF0719SBSD01

Tot Ion: 94 Resp: 27141

Ion Ratio Lower Upper

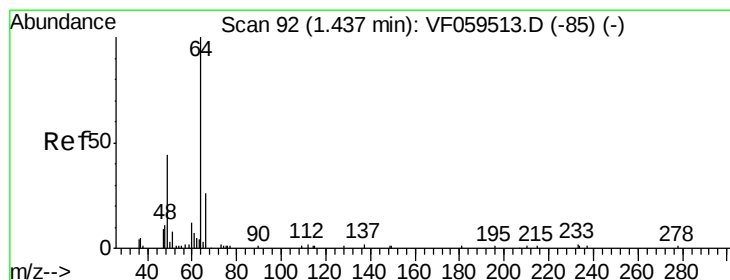
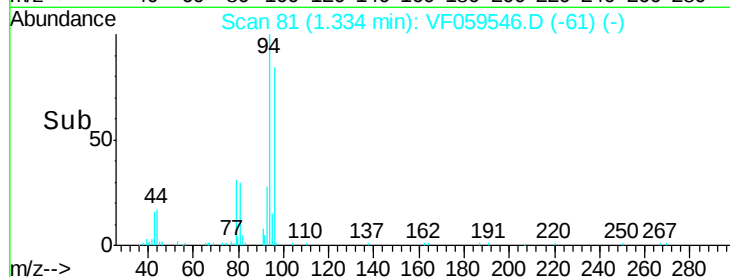
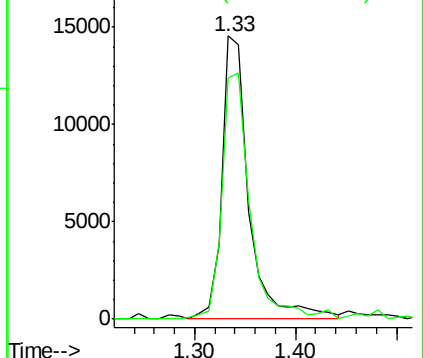
94 100

96 86.7 74.2 111.2



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 27.101 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.01 min

Lab File: VF059546.D

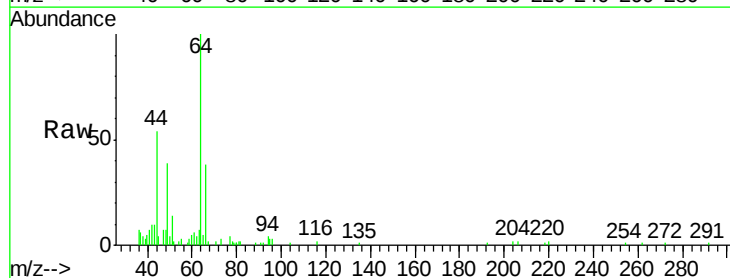
Acq: 19 Jul 2018 8:13

Tgt Ion: 64 Resp: 20020

Ion Ratio Lower Upper

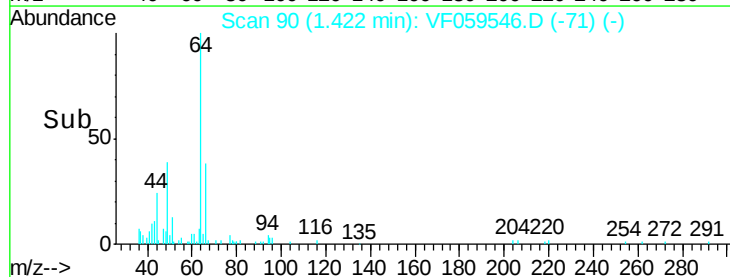
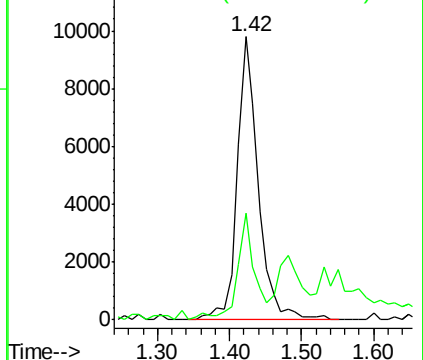
64 100

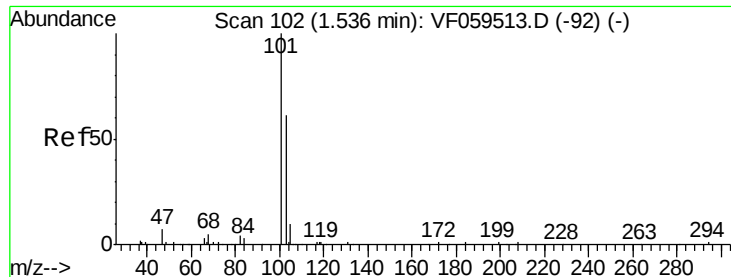
66 37.6 22.9 34.3#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



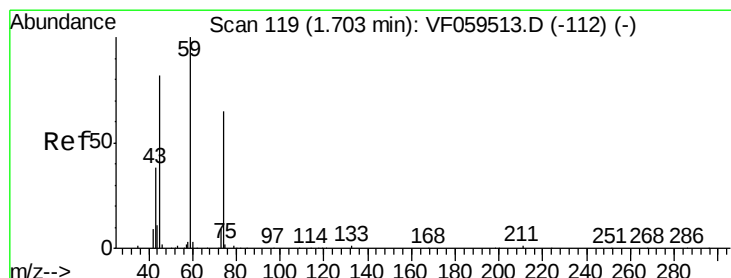
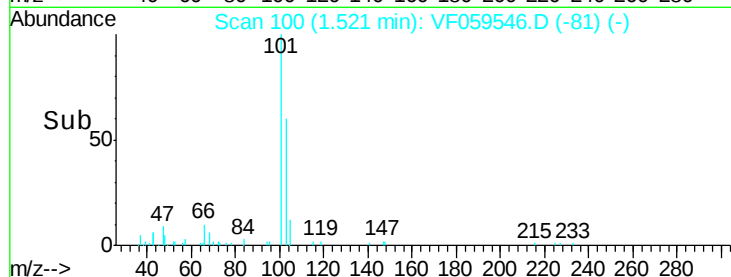
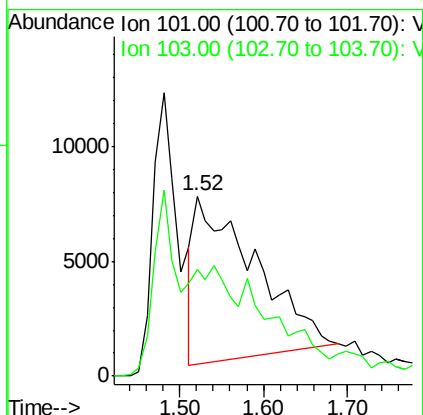
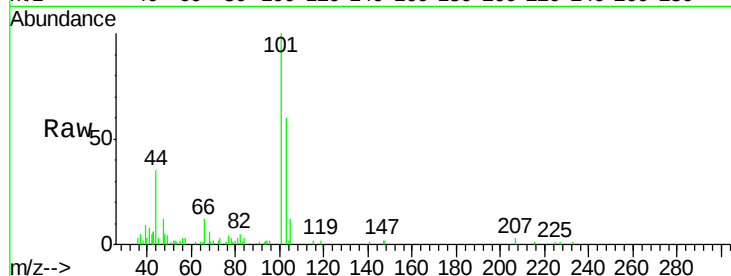


#7

Trichlorofluoromethane
Concen: 9.974 ug/l
RT: 1.52 min Scan# 100
Delta R.T. -0.01 min
Lab File: VF059546.D
Acq: 19 Jul 2018 8:13

Instrument :
MSVOA_F
ClientSampleId :
VF0719SBS01

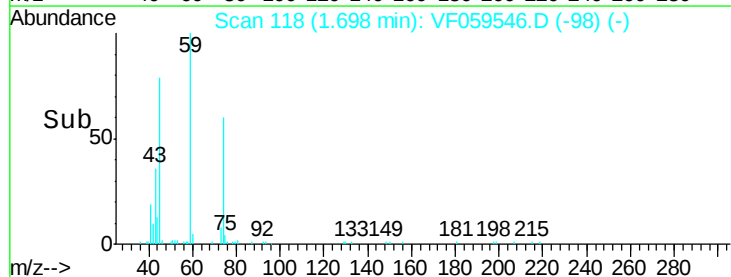
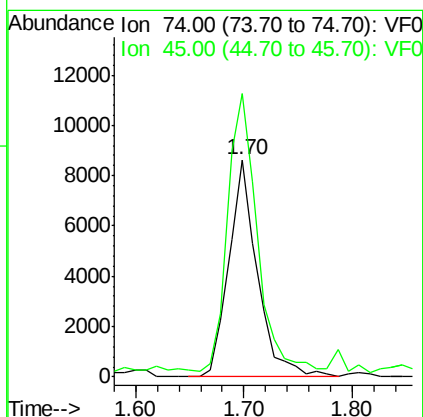
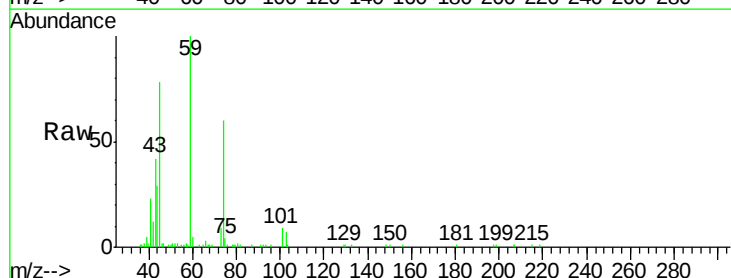
Tot Ion:101 Resp: 35761
Ion Ratio Lower Upper
101 100
103 59.7 48.6 72.8

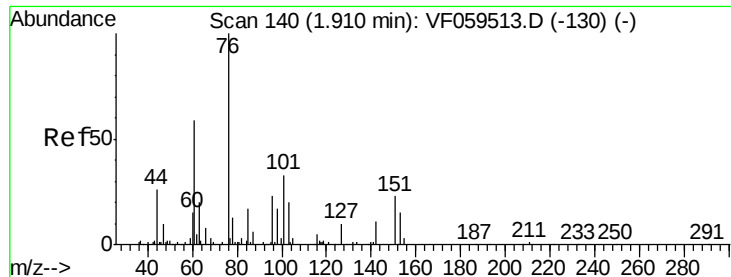


#8

Diethyl Ether
Concen: 23.020 ug/l
RT: 1.70 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF059546.D
Acq: 19 Jul 2018 8:13

Tgt Ion: 74 Resp: 15882
Ion Ratio Lower Upper
74 100
45 130.6 63.6 190.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 29.485 ug/l

RT: 1.90 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF059546.D

Acq: 19 Jul 2018 8:13

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS01

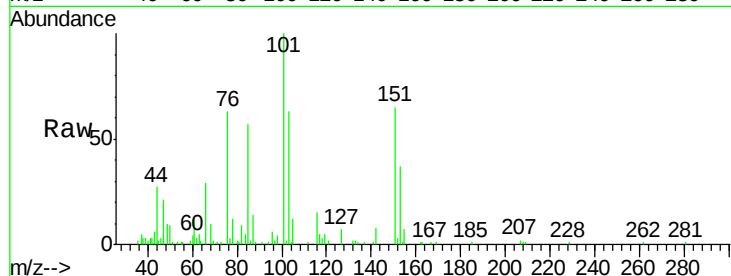
Tot Ion:101 Resp: 44645

Ion Ratio Lower Upper

101 100

85 57.0 39.8 59.6

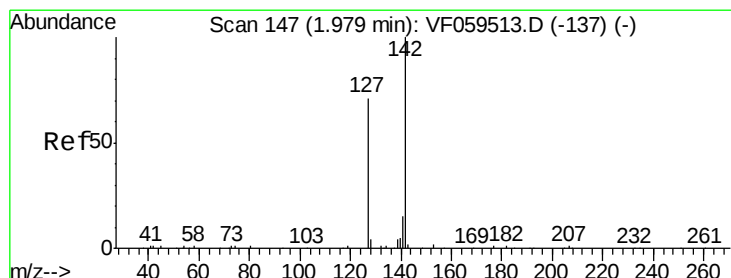
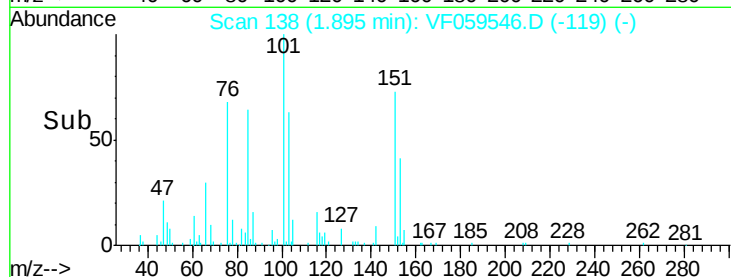
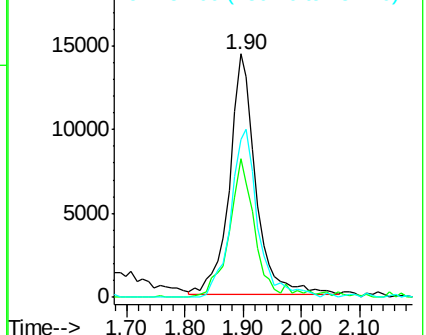
151 64.8 54.2 81.2



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: 30.406 ug/l

RT: 1.96 min Scan# 145

Delta R.T. -0.01 min

Lab File: VF059546.D

Acq: 19 Jul 2018 8:13

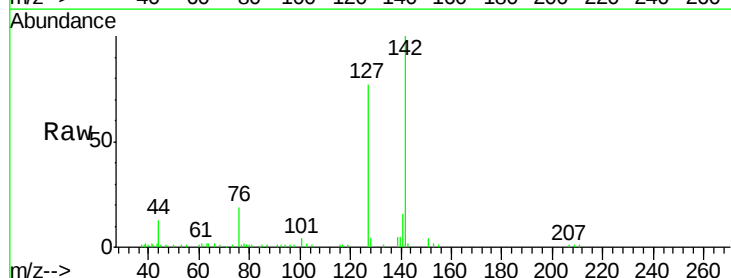
Tgt Ion:142 Resp: 80597

Ion Ratio Lower Upper

142 100

127 76.7 56.4 84.6

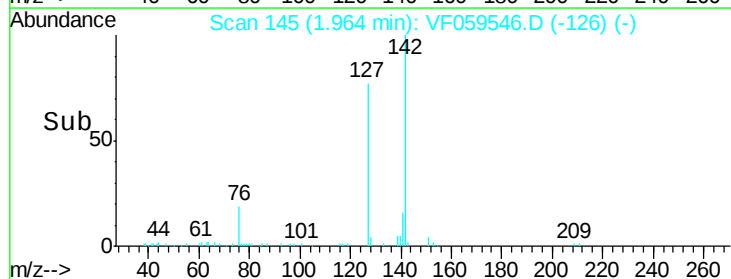
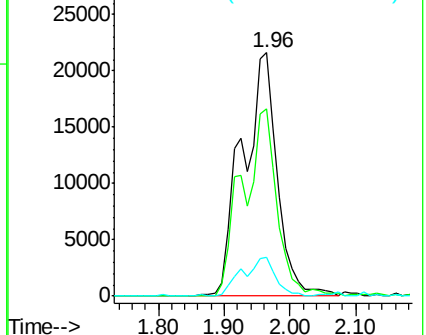
141 16.1 12.0 18.0

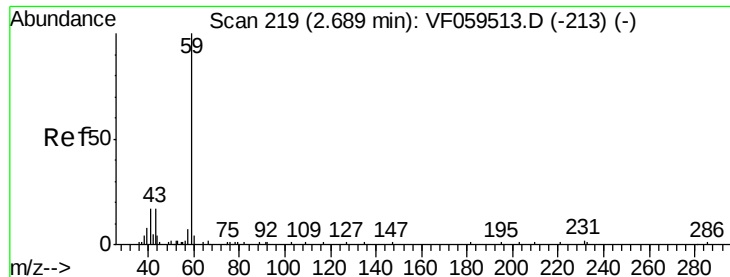


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



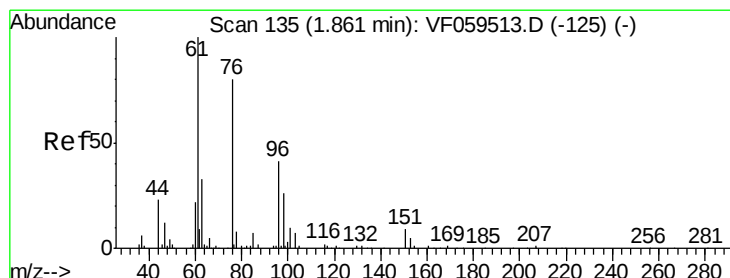
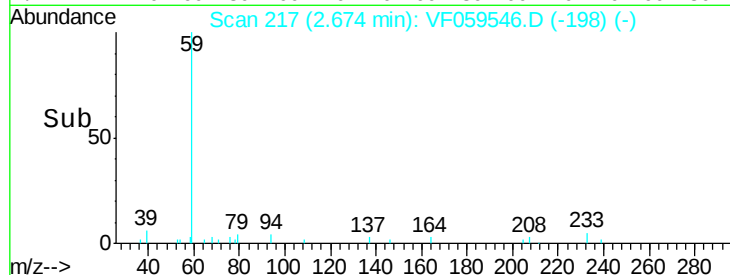
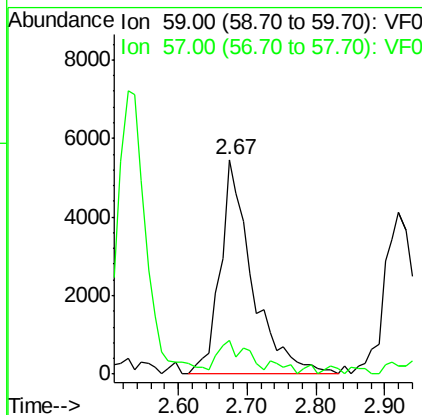
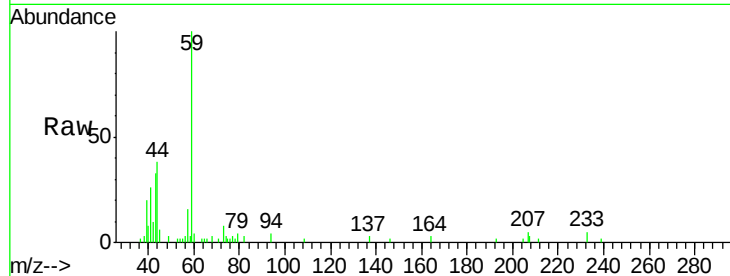


#11

Tert butyl alcohol
 Concen: 117.384 ug/l
 RT: 2.67 min Scan# 217
 Delta R.T. -0.01 min
 Lab File: VF059546.D
 Acq: 19 Jul 2018 8:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0719SBS01

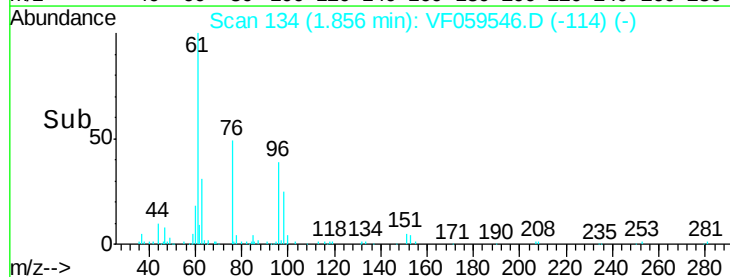
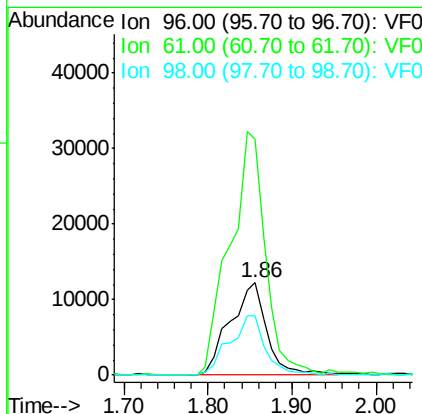
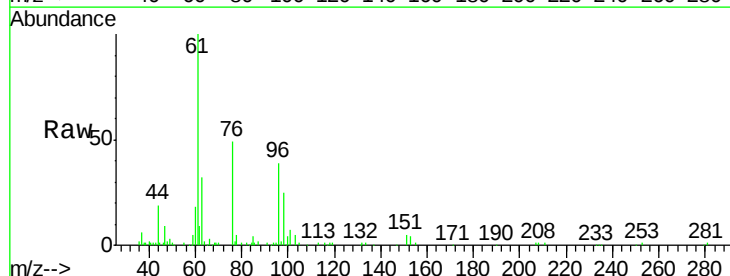
Tot Ion: 59 Resp: 17615
 Ion Ratio Lower Upper
 59 100
 57 15.7 7.7 11.5#

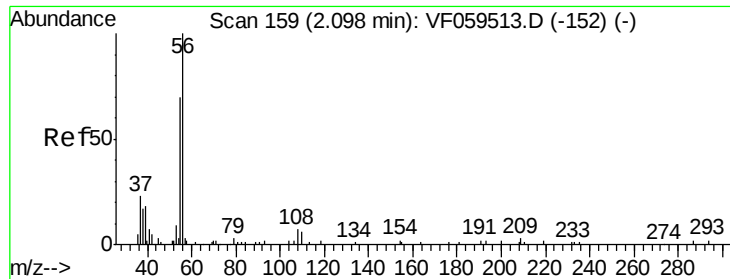


#12

1,1-Dichloroethene
 Concen: 23.248 ug/l
 RT: 1.86 min Scan# 134
 Delta R.T. -0.01 min
 Lab File: VF059546.D
 Acq: 19 Jul 2018 8:13

Tgt Ion: 96 Resp: 37435
 Ion Ratio Lower Upper
 96 100
 61 256.6 194.3 291.5
 98 64.3 50.3 75.5





#13

Acrolein

Concen: 100.763 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF059546.D

Acq: 19 Jul 2018 8:13

Instrument :

MSVOA_F

ClientSampleId :

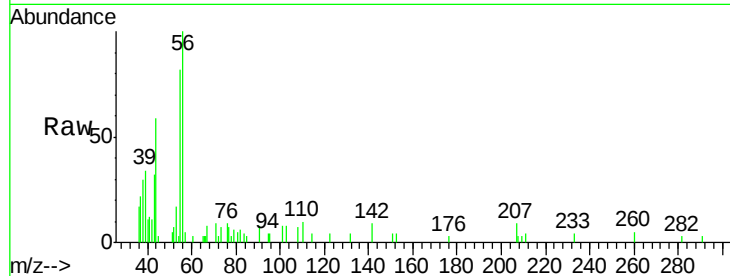
VF0719SBS01

Tot Ion: 56 Resp: 7874

Ion Ratio Lower Upper

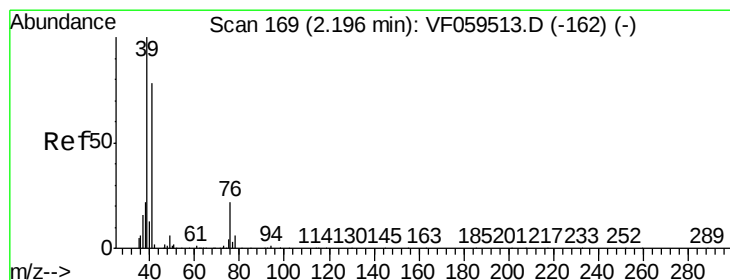
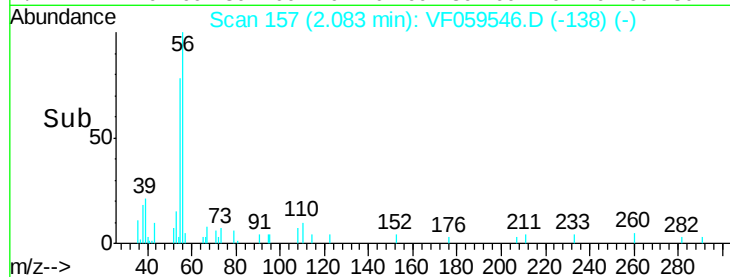
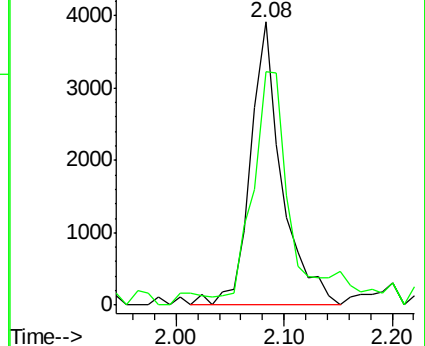
56 100

55 82.5 59.4 89.2



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 30.514 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.01 min

Lab File: VF059546.D

Acq: 19 Jul 2018 8:13

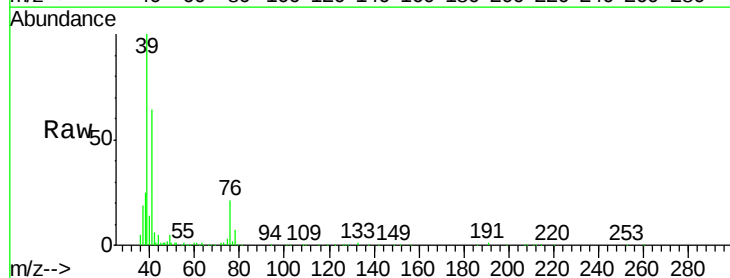
Tgt Ion: 41 Resp: 61317

Ion Ratio Lower Upper

41 100

39 155.2 103.0 154.4#

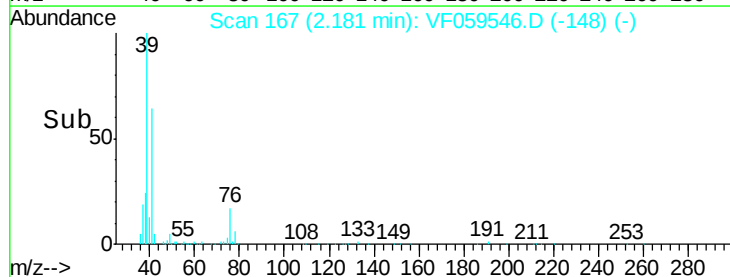
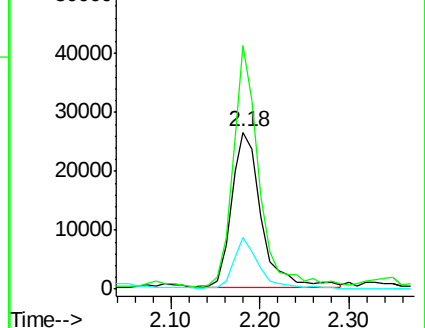
76 32.8 22.6 34.0

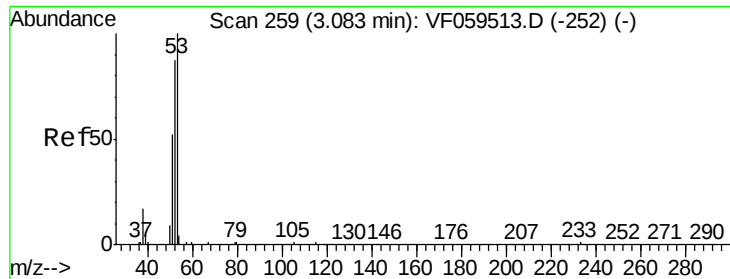


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 121.216 ug/l

RT: 3.07 min Scan# 257

Delta R.T. -0.01 min

Lab File: VF059546.D

Acq: 19 Jul 2018 8:13

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS01

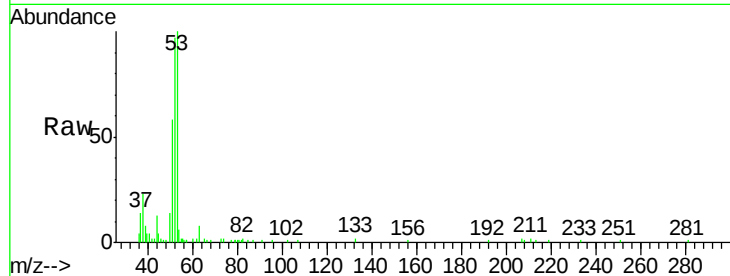
Tot Ion: 53 Resp: 34065

Ion Ratio Lower Upper

53 100

52 96.9 70.1 105.1

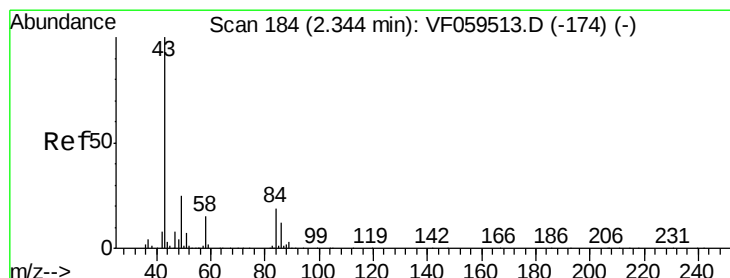
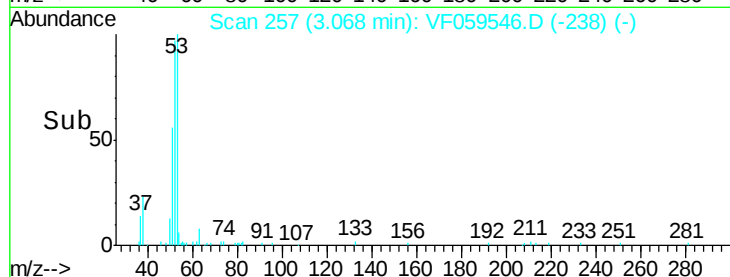
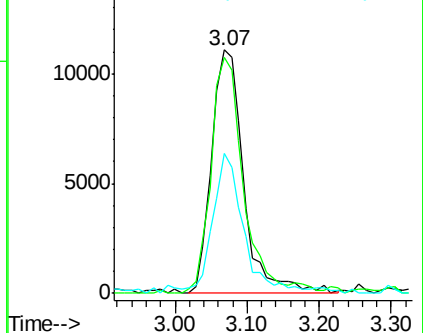
51 57.6 42.5 63.7



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: 122.837 ug/l

RT: 2.33 min Scan# 182

Delta R.T. -0.01 min

Lab File: VF059546.D

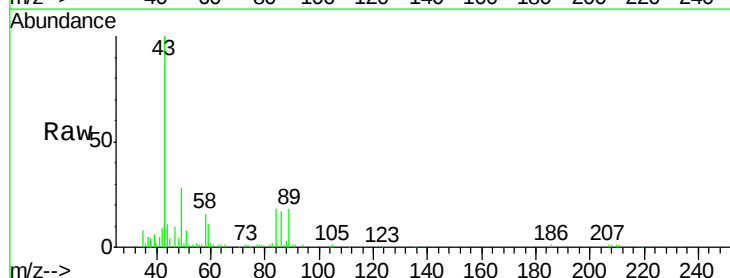
Acq: 19 Jul 2018 8:13

Tgt Ion: 43 Resp: 68468

Ion Ratio Lower Upper

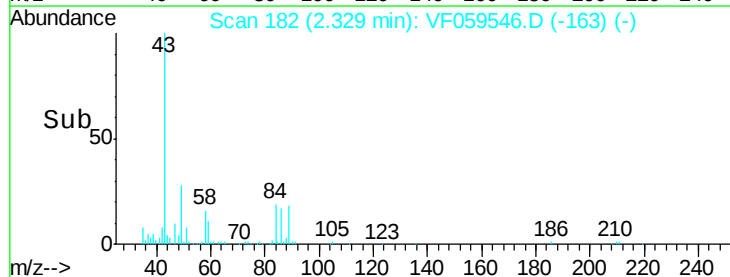
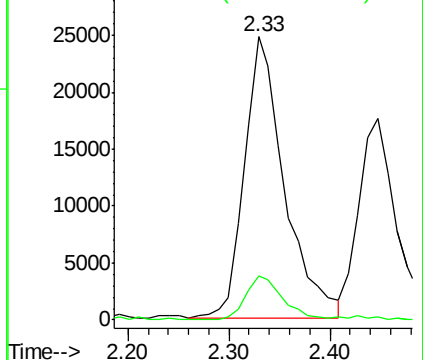
43 100

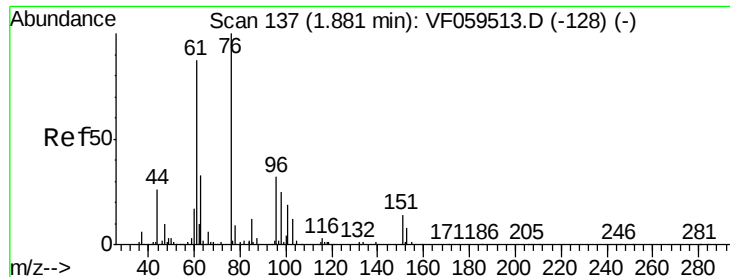
58 15.5 11.8 17.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

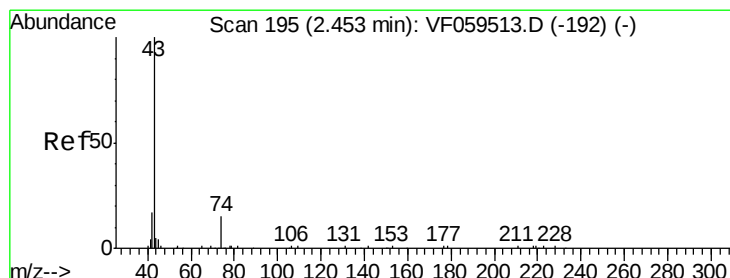
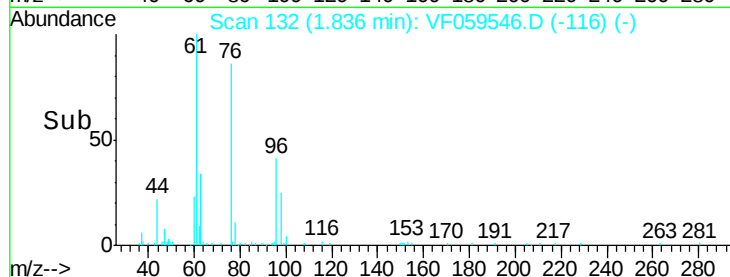
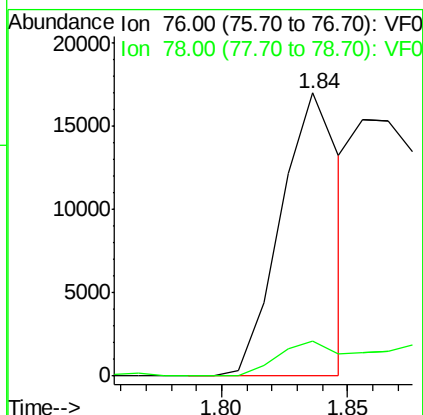
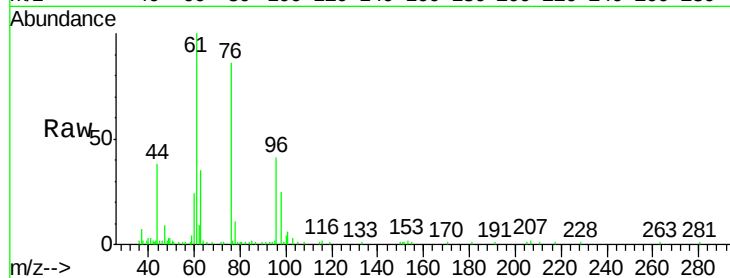




#17
Carbon Disulfide
Concen: 6.762 ug/l
RT: 1.84 min Scan# 132
Delta R.T. -0.04 min
Lab File: VF059546.D
Acq: 19 Jul 2018 8:13

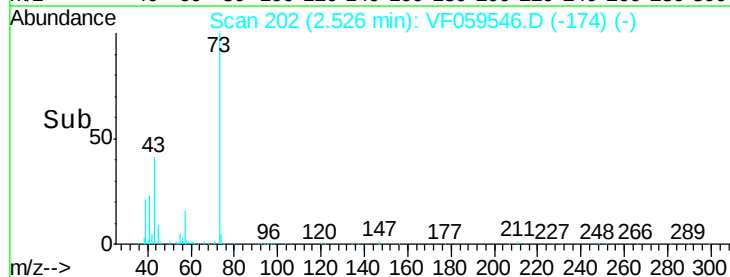
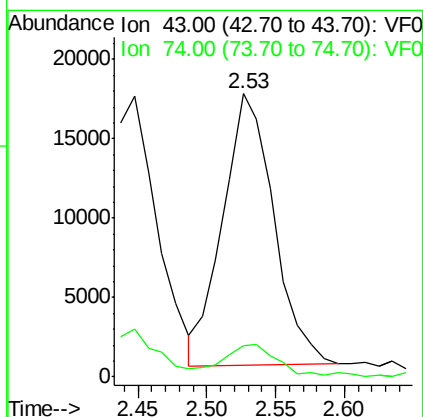
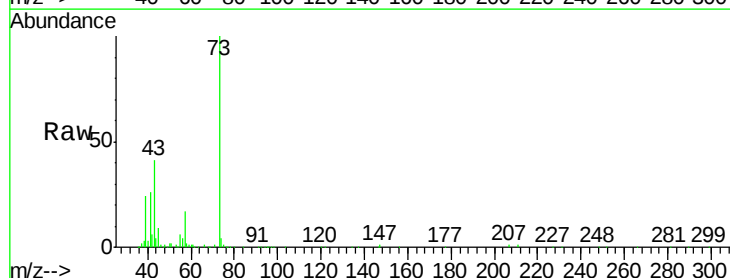
Instrument :
MSVOA_F
ClientSampleId :
VF0719SBSD01

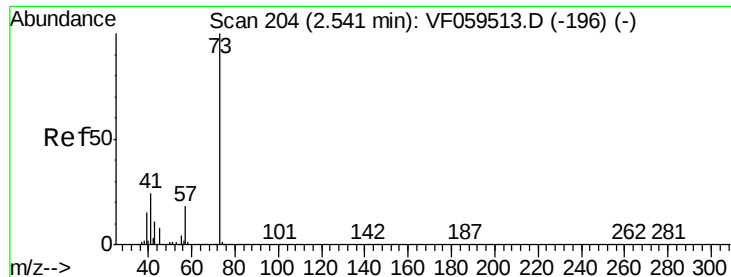
Tot Ion: 76 Resp: 27902
Ion Ratio Lower Upper
76 100
78 12.6 7.8 11.6#



#18
Methyl Acetate
Concen: 42.773 ug/l
RT: 2.53 min Scan# 202
Delta R.T. 0.07 min
Lab File: VF059546.D
Acq: 19 Jul 2018 8:13

Tgt Ion: 43 Resp: 44208
Ion Ratio Lower Upper
43 100
74 10.9 10.6 15.8



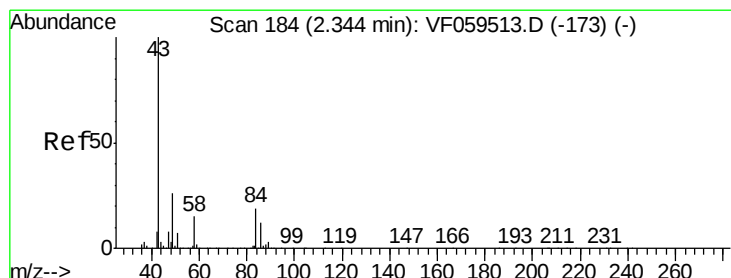
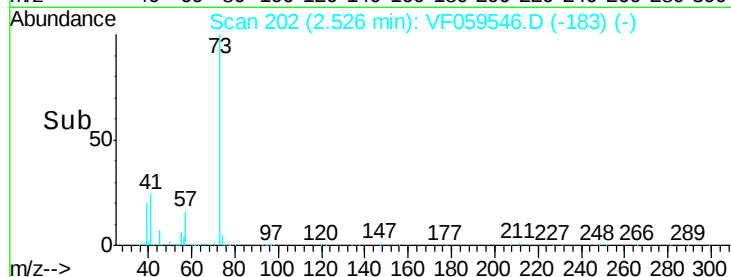
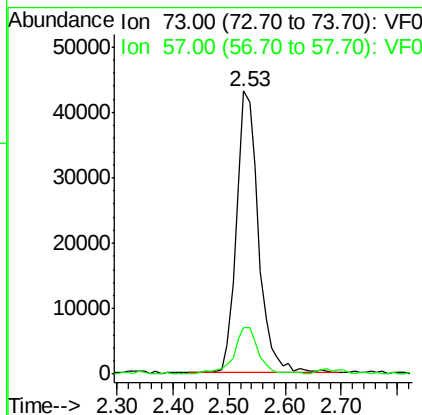
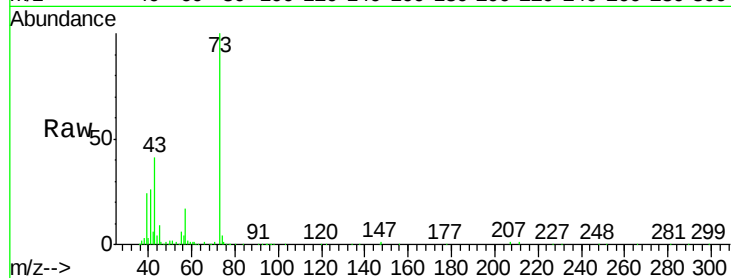


#19

Methyl tert-butyl Ether
 Concen: 23.301 ug/l
 RT: 2.53 min Scan# 202
 Delta R.T. -0.01 min
 Lab File: VF059546.D
 Acq: 19 Jul 2018 8:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0719SBS01

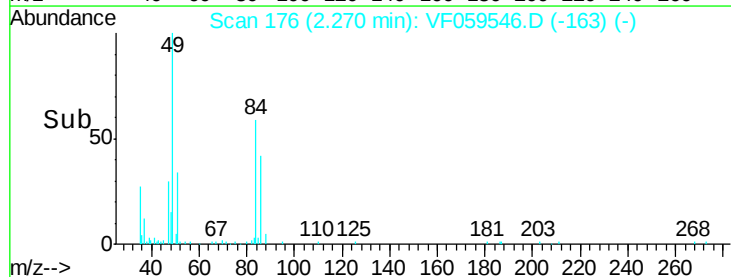
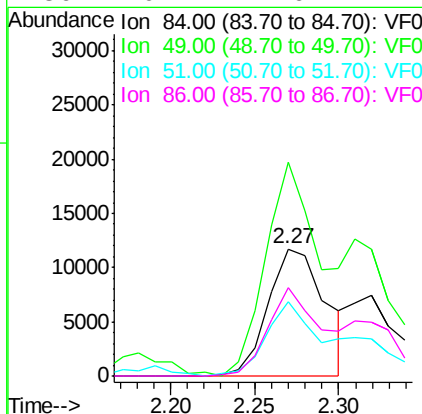
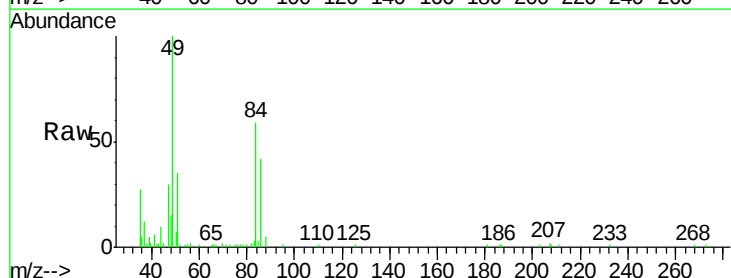
Tot Ion: 73 Resp: 117703
 Ion Ratio Lower Upper
 73 100
 57 16.7 14.3 21.5

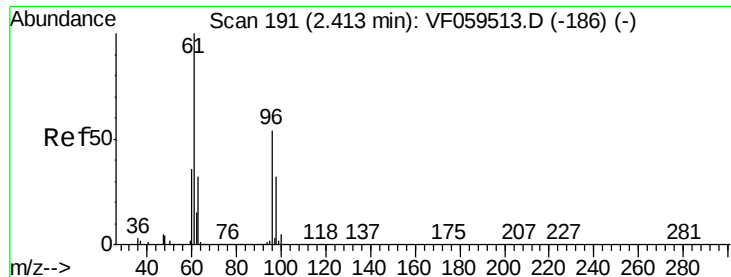


#20

Methylene Chloride
 Concen: 15.180 ug/l
 RT: 2.27 min Scan# 176
 Delta R.T. -0.07 min
 Lab File: VF059546.D
 Acq: 19 Jul 2018 8:13

Tgt Ion: 84 Resp: 27763
 Ion Ratio Lower Upper
 84 100
 49 168.4 109.4 164.2#
 51 58.2 30.5 45.7#
 86 70.1 47.6 71.4





#21

trans-1,2-Dichloroethene

Concen: 25.735 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059546.D

Acq: 19 Jul 2018 8:13

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS01

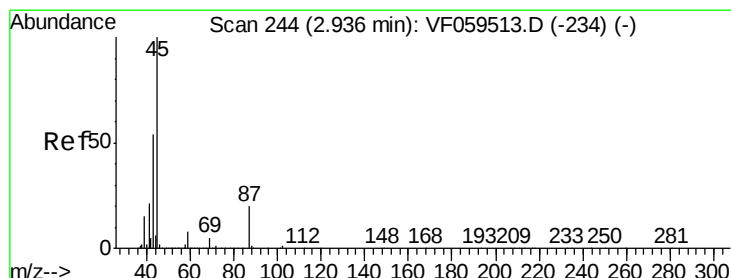
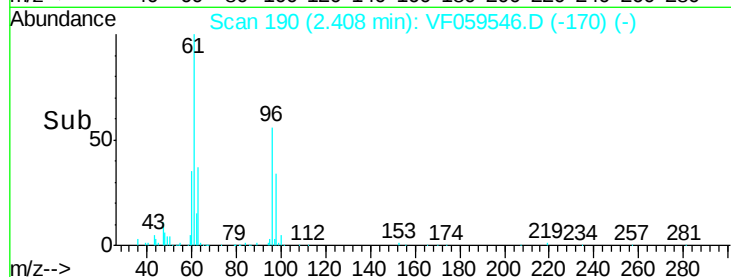
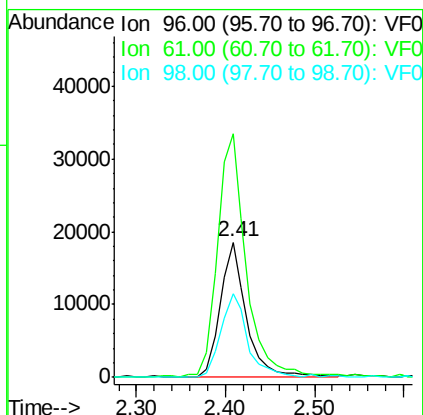
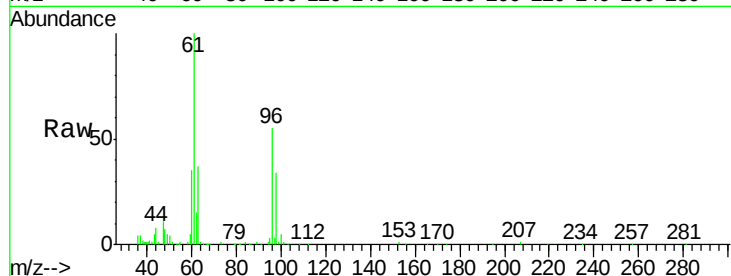
Tot Ion: 96 Resp: 38315

Ion Ratio Lower Upper

96 100

61 180.4 149.8 224.8

98 64.0 47.8 71.8



#22

Diisopropyl ether

Concen: 22.044 ug/l

RT: 2.92 min Scan# 242

Delta R.T. -0.01 min

Lab File: VF059546.D

Acq: 19 Jul 2018 8:13

Tgt Ion: 45 Resp: 124494

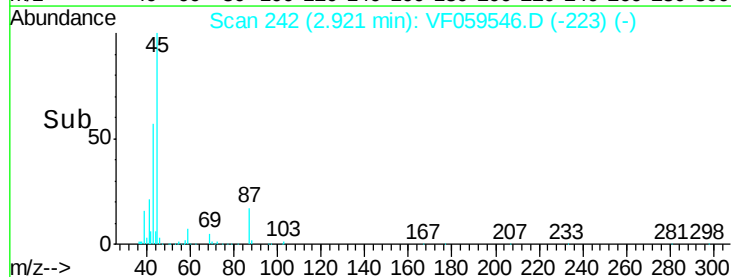
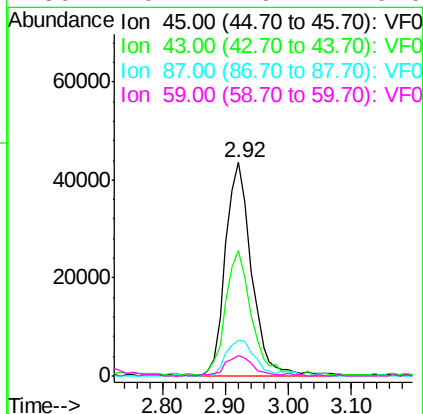
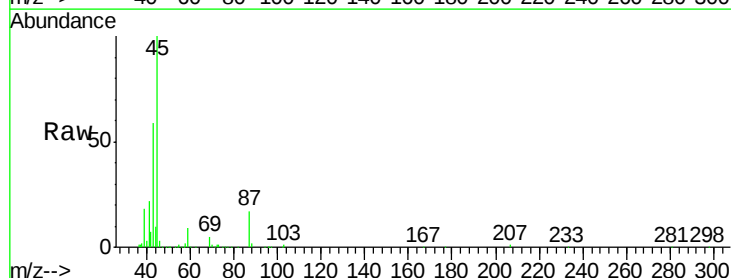
Ion Ratio Lower Upper

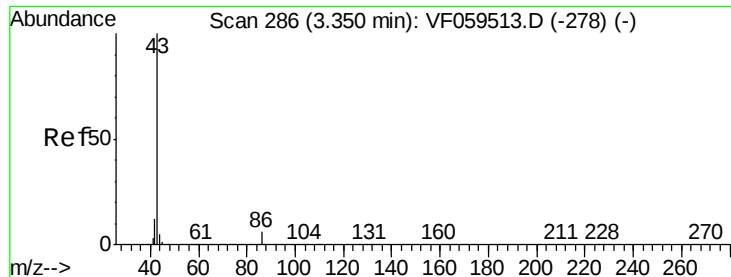
45 100

43 58.6 43.6 65.4

87 17.1 15.6 23.4

59 9.4 6.4 9.6





#23

Vinyl Acetate

Concen: 95.003 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.02 min

Lab File: VF059546.D

Acq: 19 Jul 2018 8:13

Instrument :

MSVOA_F

ClientSampleId :

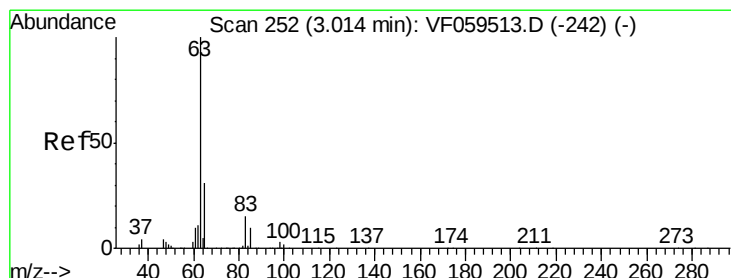
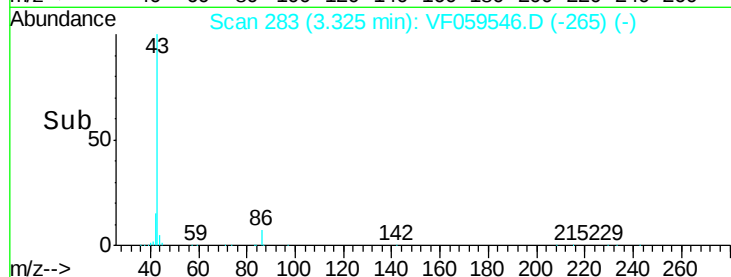
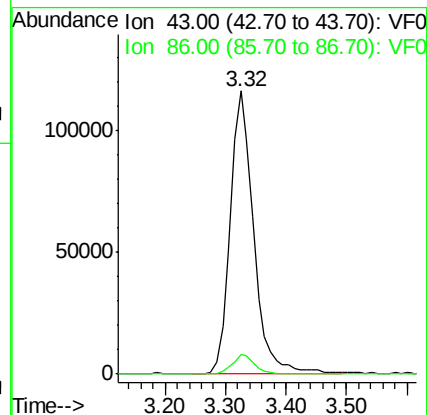
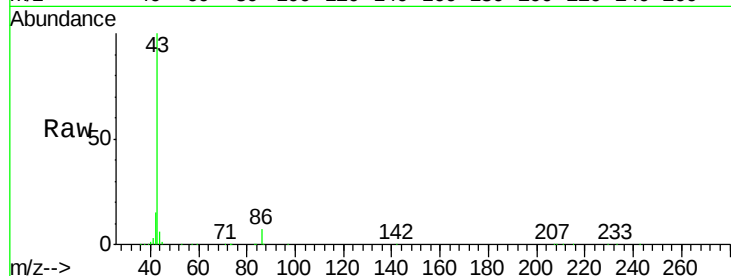
VF0719SBS01

Tot Ion: 43 Resp: 313531

Ion Ratio Lower Upper

43 100

86 7.1 4.4 6.6#



#24

1,1-Dichloroethane

Concen: 25.879 ug/l

RT: 2.99 min Scan# 249

Delta R.T. -0.02 min

Lab File: VF059546.D

Acq: 19 Jul 2018 8:13

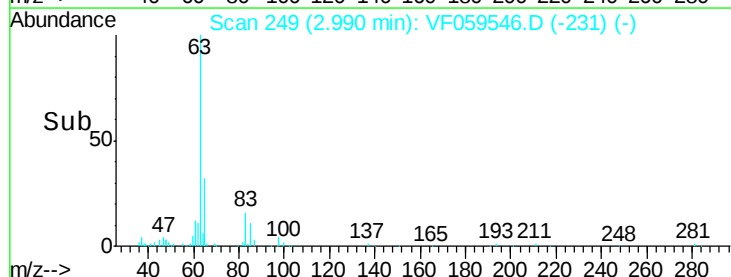
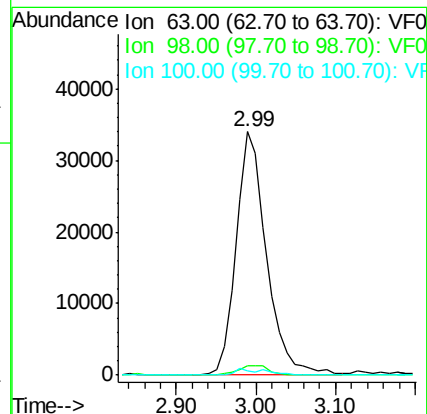
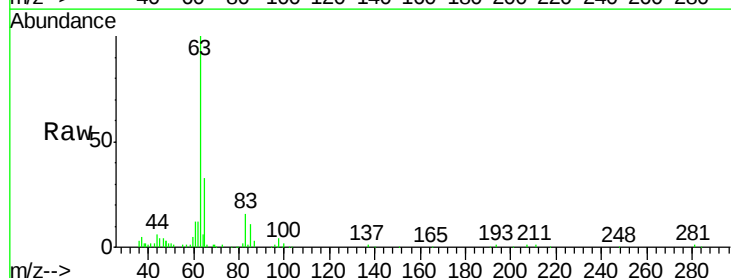
Tgt Ion: 63 Resp: 90258

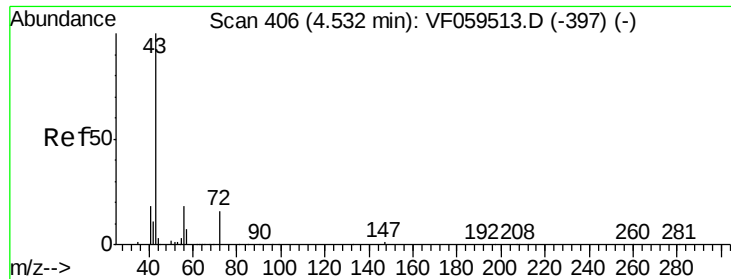
Ion Ratio Lower Upper

63 100

98 4.0 1.8 5.4

100 1.8 1.3 3.8





#25

2-Butanone

Concen: 106.178 ug/l

RT: 4.51 min Scan# 403

Delta R.T. -0.02 min

Lab File: VF059546.D

Acq: 19 Jul 2018 8:13

Instrument :

MSVOA_F

ClientSampleId :

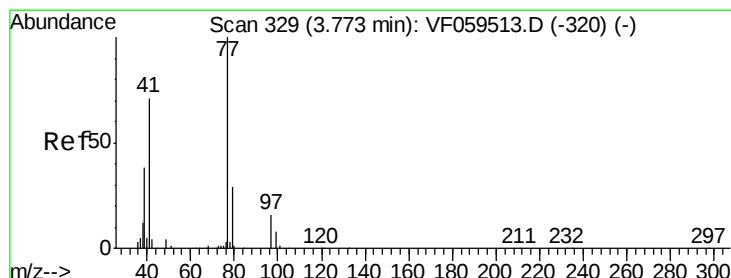
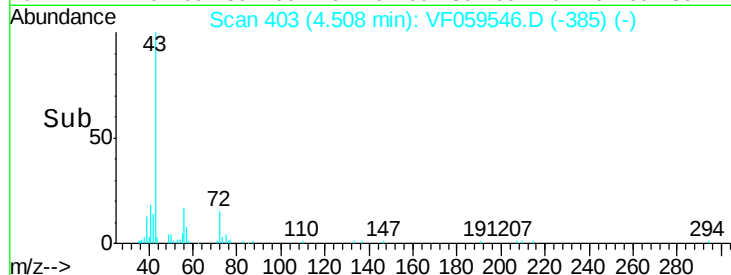
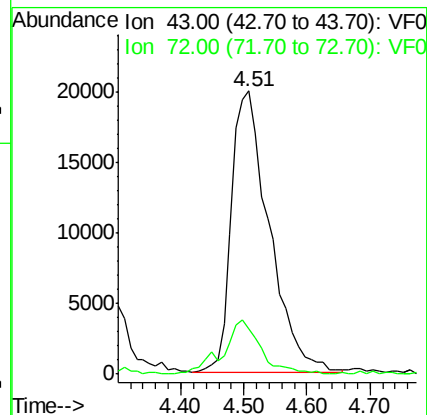
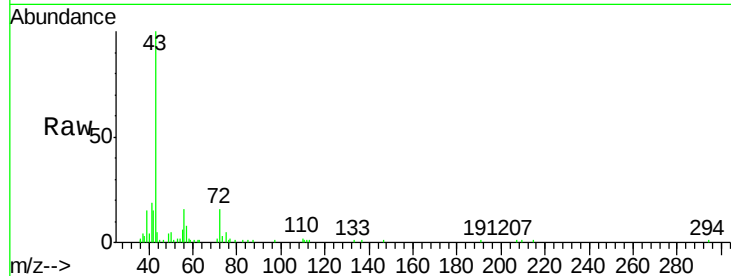
VF0719SBS01

Tot Ion: 43 Resp: 82571

Ion Ratio Lower Upper

43 100

72 15.9 14.2 21.4



#26

2,2-Dichloropropane

Concen: 23.170 ug/l

RT: 3.75 min Scan# 326

Delta R.T. -0.02 min

Lab File: VF059546.D

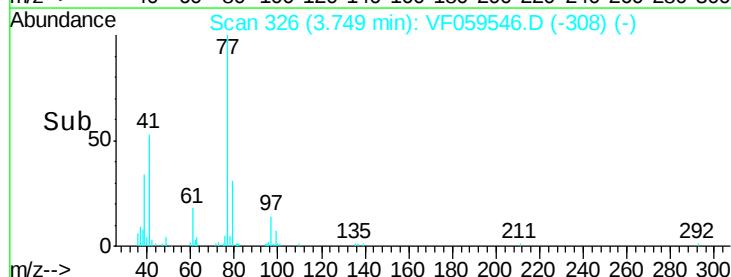
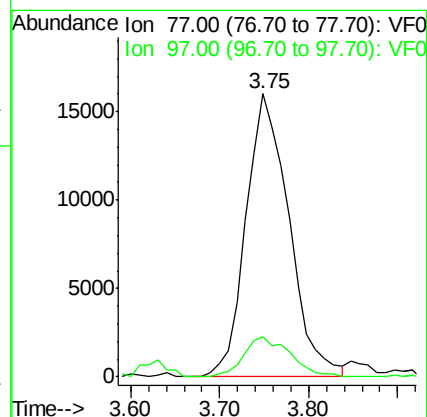
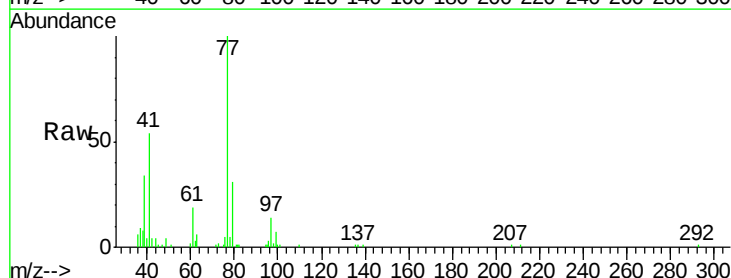
Acq: 19 Jul 2018 8:13

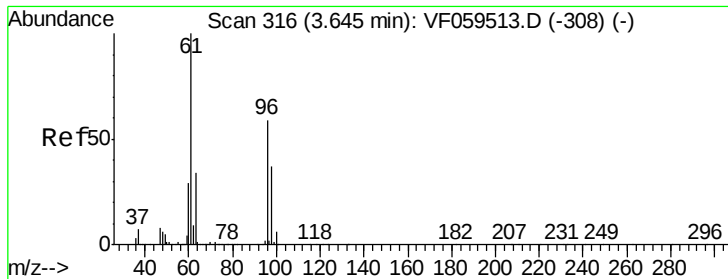
Tgt Ion: 77 Resp: 53462

Ion Ratio Lower Upper

77 100

97 14.4 8.1 24.3



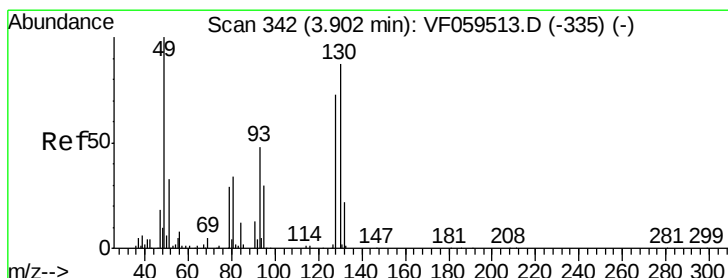
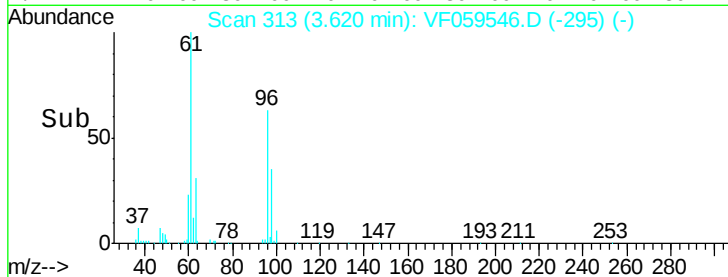
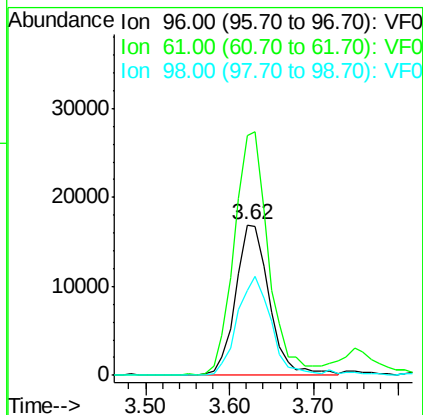
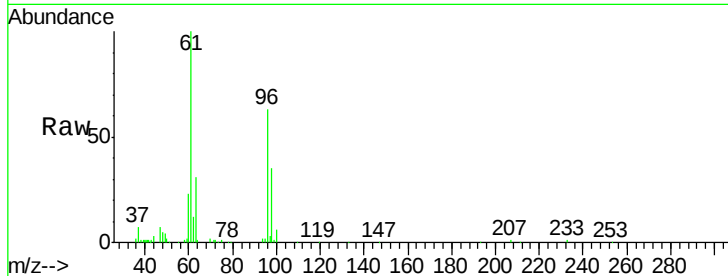


#27

cis-1,2-Dichloroethene
 Concen: 27.196 ug/l
 RT: 3.62 min Scan# 313
 Delta R.T. -0.02 min
 Lab File: VF059546.D
 Acq: 19 Jul 2018 8:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0719SBS01

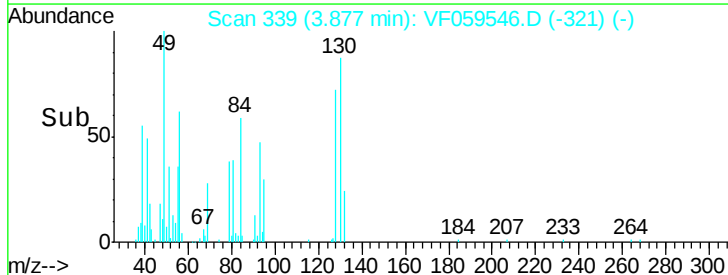
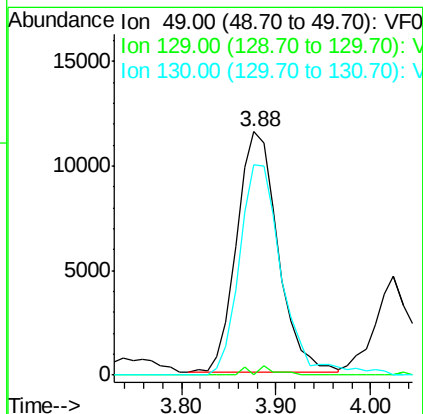
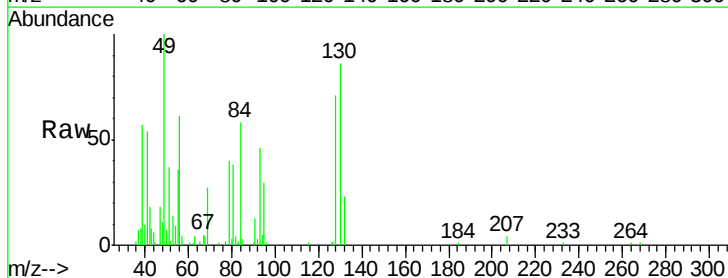
Tot Ion	Ratio	Lower	Upper
96	100		
61	159.8	0.0	339.0
98	56.2	0.0	125.4

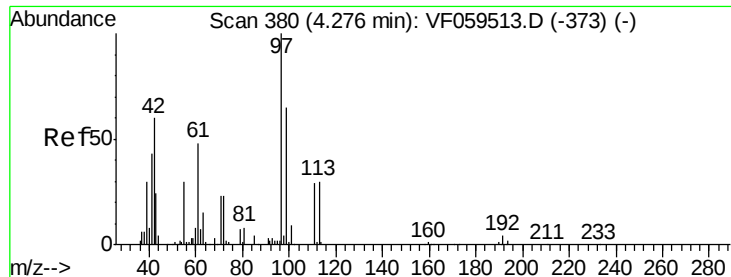


#28

Bromochloromethane
 Concen: 22.725 ug/l
 RT: 3.88 min Scan# 339
 Delta R.T. -0.02 min
 Lab File: VF059546.D
 Acq: 19 Jul 2018 8:13

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	86.3	69.8	104.6





#29

Tetrahydrofuran

Concen: 107.764 ug/l

RT: 4.24 min Scan# 376

Delta R.T. -0.03 min

Lab File: VF059546.D

Acq: 19 Jul 2018 8:13

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS01

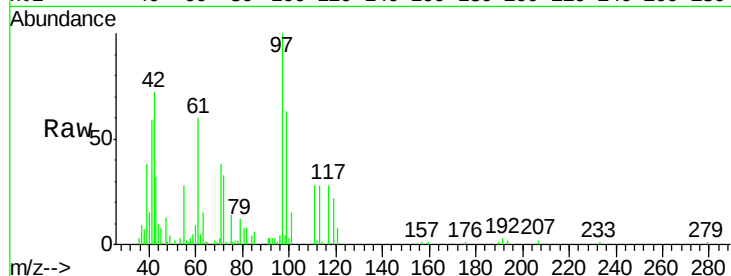
Tot Ion: 42 Resp: 37956

Ion Ratio Lower Upper

42 100

72 36.6 28.7 43.1

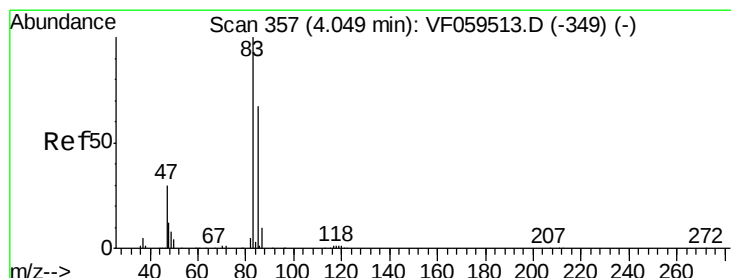
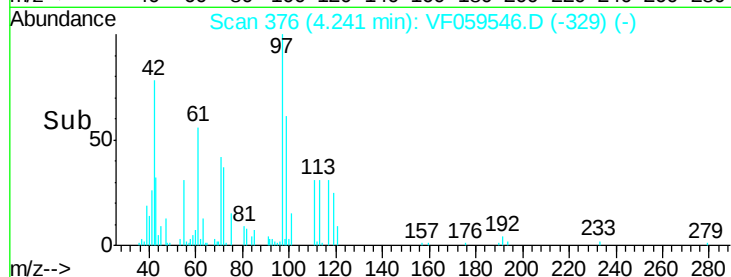
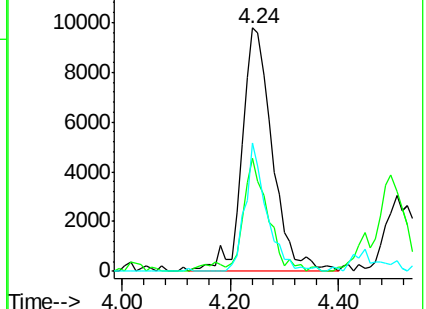
71 37.5 30.8 46.2



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 24.500 ug/l

RT: 4.02 min Scan# 354

Delta R.T. -0.02 min

Lab File: VF059546.D

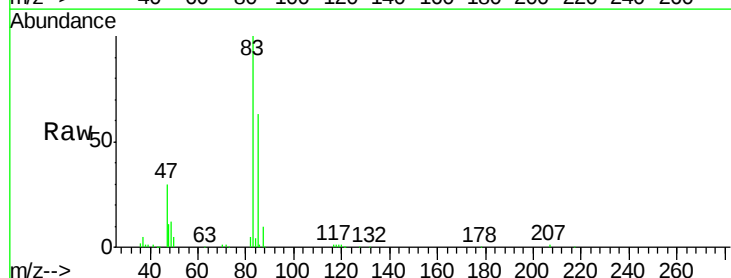
Acq: 19 Jul 2018 8:13

Tgt Ion: 83 Resp: 123442

Ion Ratio Lower Upper

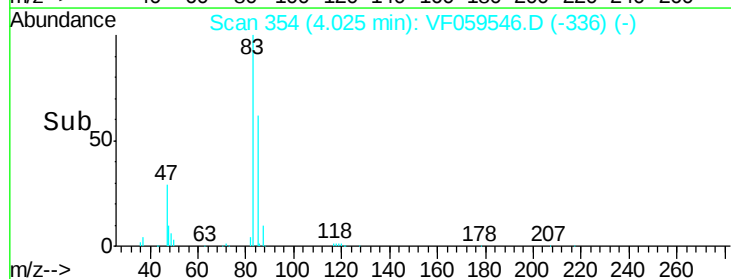
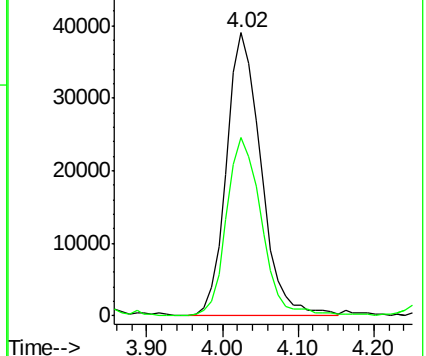
83 100

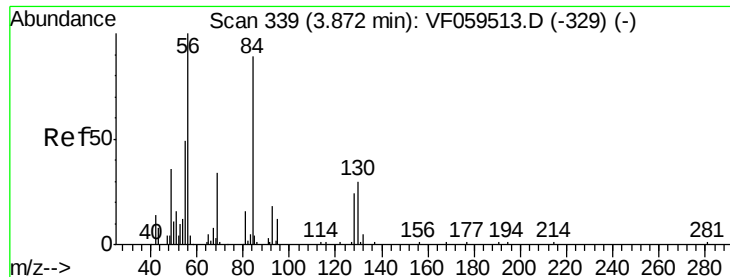
85 63.0 53.2 79.8



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 27.509 ug/l

RT: 3.85 min Scan# 336

Delta R.T. -0.02 min

Lab File: VF059546.D

Acq: 19 Jul 2018 8:13

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS01

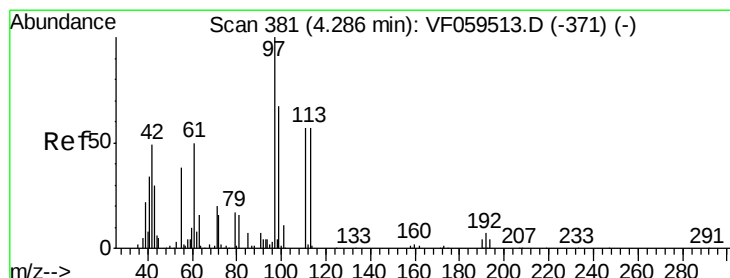
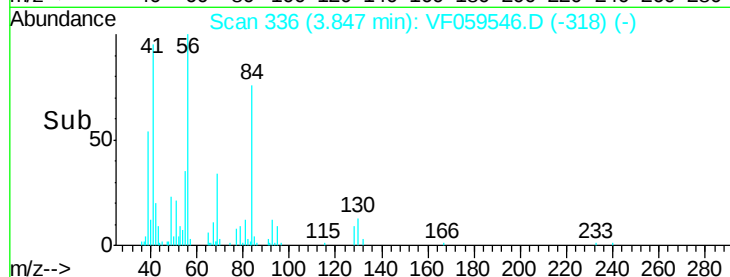
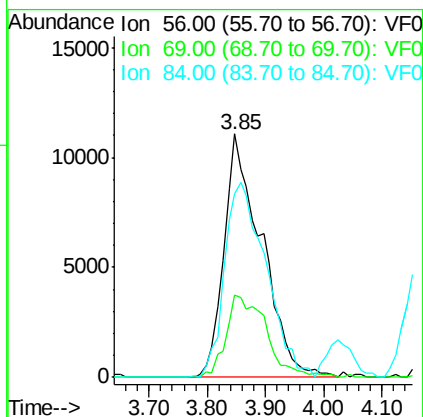
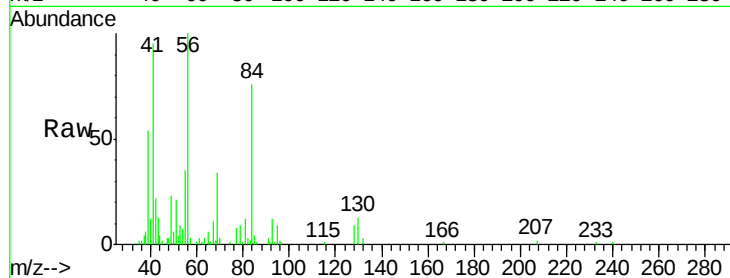
Tot Ion: 56 Resp: 49696

Ion Ratio Lower Upper

56 100

69 33.7 27.6 41.4

84 75.6 71.4 107.2



#32

1,1,1-Trichloroethane

Concen: 30.860 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.02 min

Lab File: VF059546.D

Acq: 19 Jul 2018 8:13

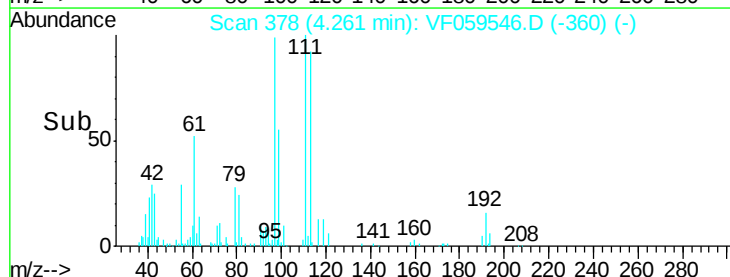
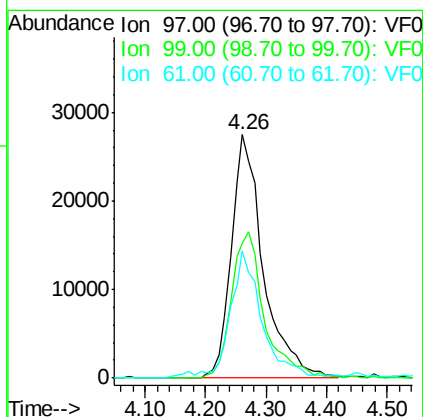
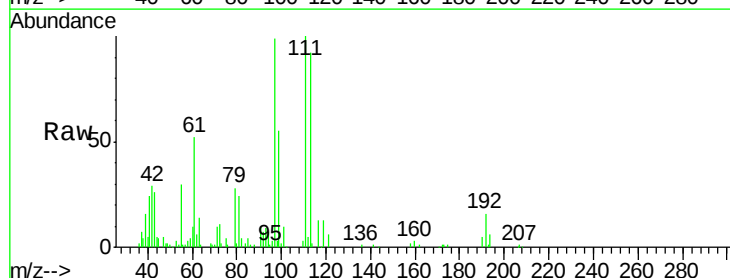
Tgt Ion: 97 Resp: 101043

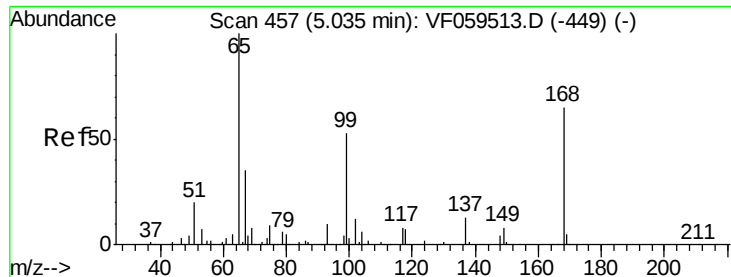
Ion Ratio Lower Upper

97 100

99 55.2 53.5 80.3

61 52.2 39.7 59.5





#33

1,2-Dichloroethane-d4

Concen: 56.790 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.02 min

Lab File: VF059546.D

Acq: 19 Jul 2018 8:13

Instrument :

MSVOA_F

ClientSampleId :

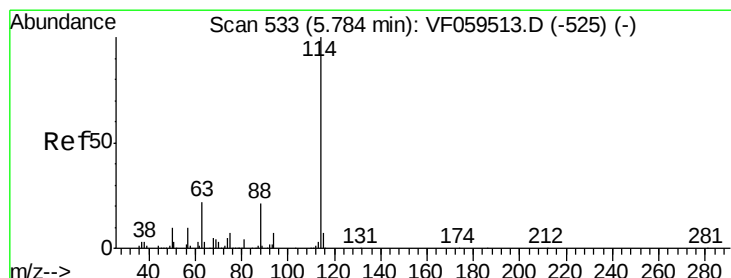
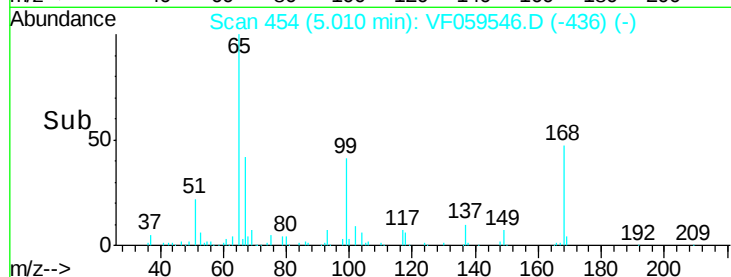
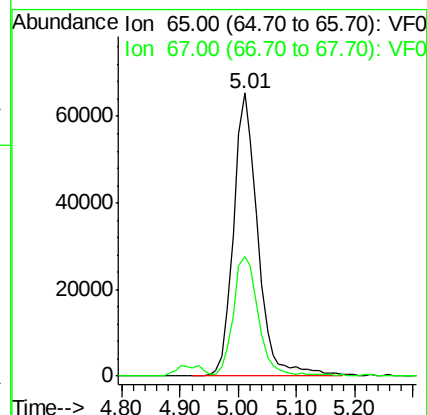
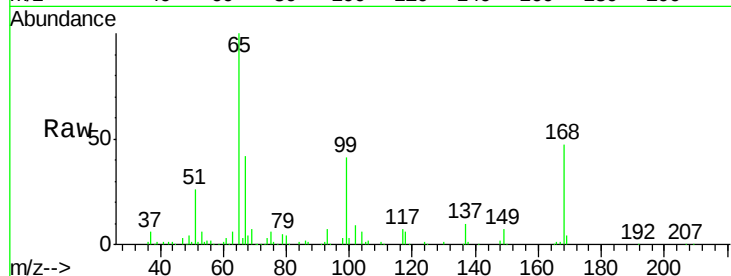
VF0719SBS01

Tot Ion: 65 Resp: 190222

Ion Ratio Lower Upper

65 100

67 42.1 0.0 91.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 530

Delta R.T. -0.02 min

Lab File: VF059546.D

Acq: 19 Jul 2018 8:13

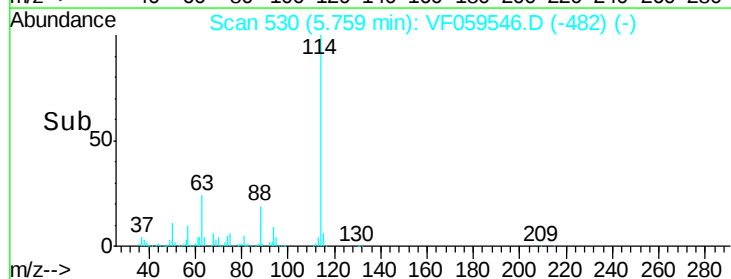
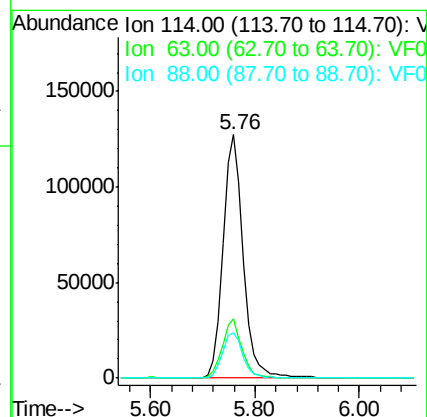
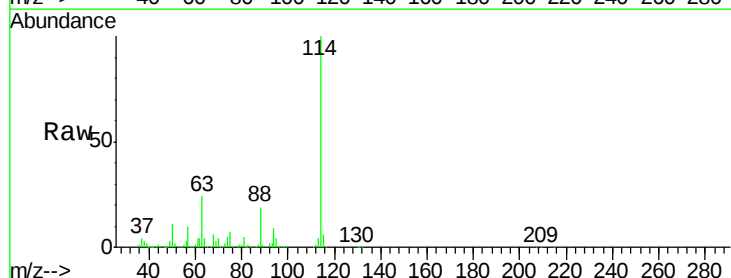
Tgt Ion: 114 Resp: 341875

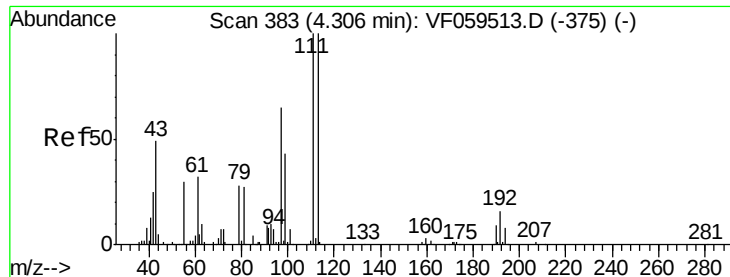
Ion Ratio Lower Upper

114 100

63 24.2 0.0 44.8

88 18.5 0.0 42.6





#35

Dibromofluoromethane

Concen: 52.824 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.02 min

Lab File: VF059546.D

Acq: 19 Jul 2018 8:13

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS01

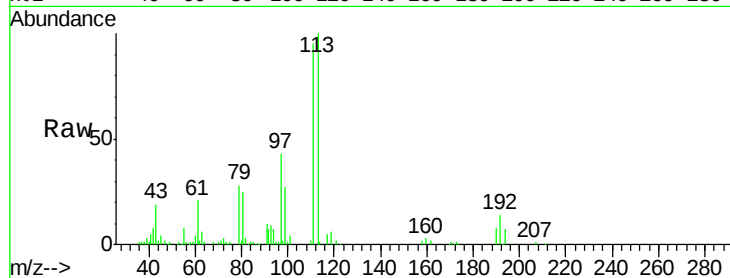
Tot Ion:113 Resp: 156407

Ion Ratio Lower Upper

113 100

111 95.0 80.3 120.5

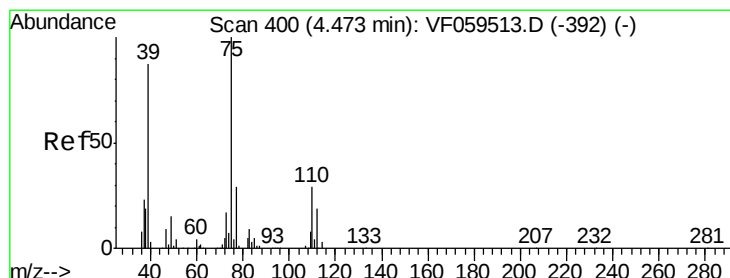
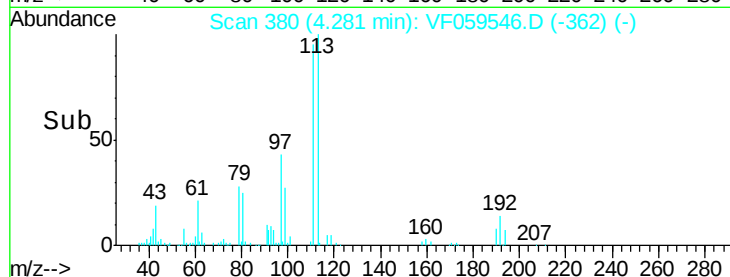
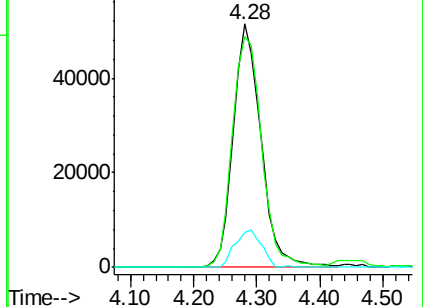
192 14.5 13.1 19.7



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 20.406 ug/l

RT: 4.45 min Scan# 397

Delta R.T. -0.02 min

Lab File: VF059546.D

Acq: 19 Jul 2018 8:13

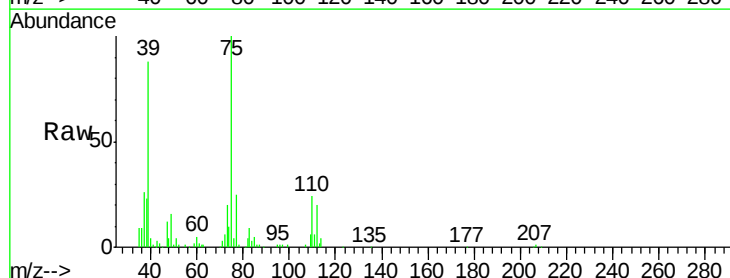
Tgt Ion: 75 Resp: 69829

Ion Ratio Lower Upper

75 100

110 24.0 14.6 43.8

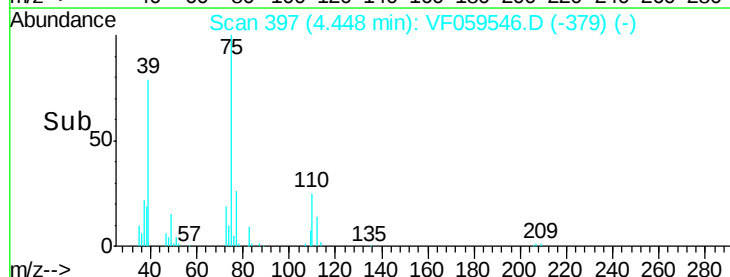
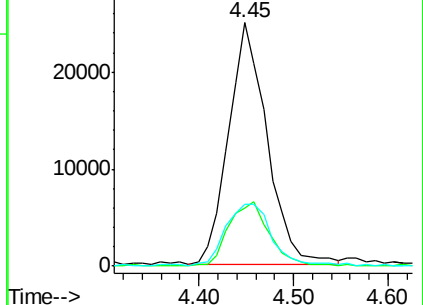
77 25.5 23.7 35.5

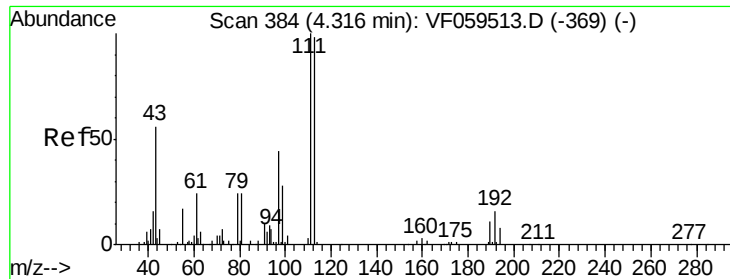


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

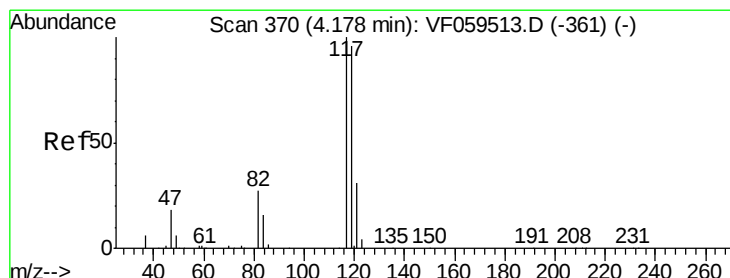
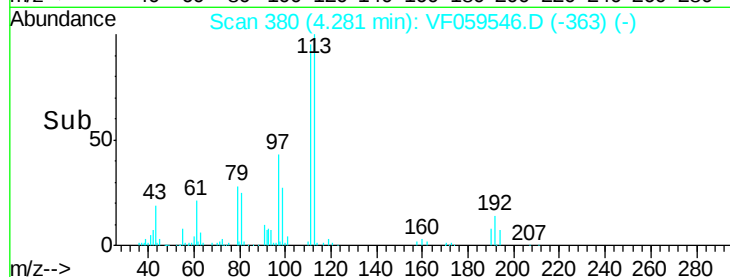
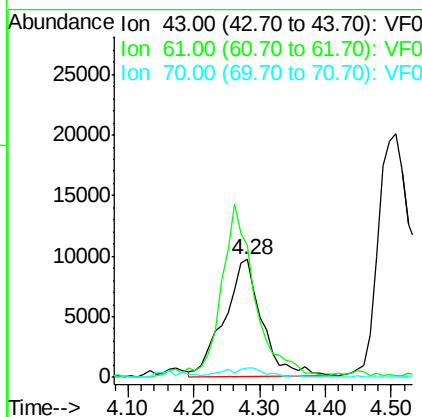
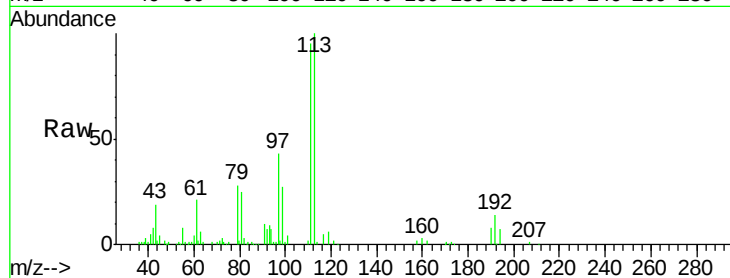




#37
Ethyl Acetate
Concen: 16.965 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.03 min
Lab File: VF059546.D
Acq: 19 Jul 2018 8:13

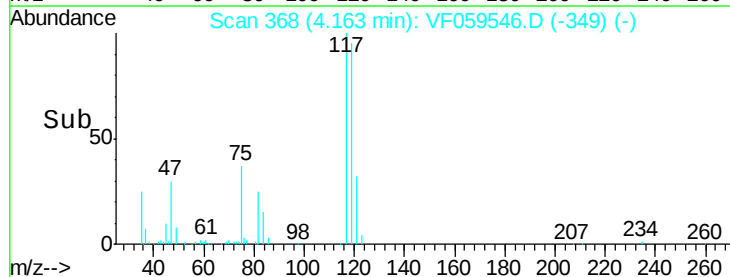
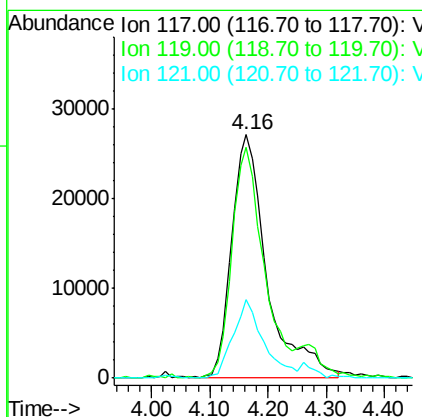
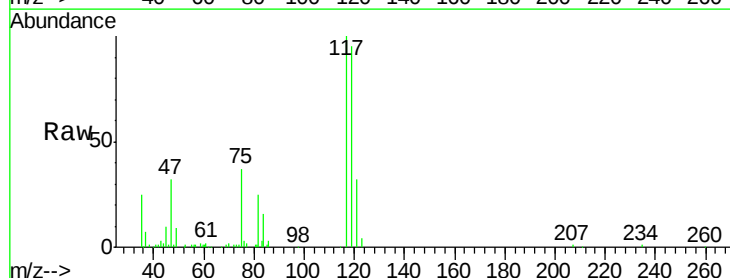
Instrument :
MSVOA_F
ClientSampleId :
VF0719SBS01

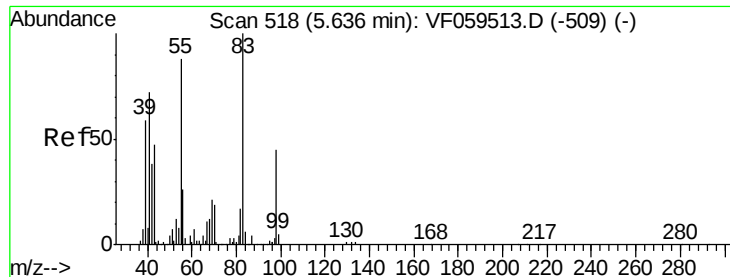
Tot Ion: 43 Resp: 38258
Ion Ratio Lower Upper
43 100
61 112.0 33.7 50.5#
70 7.8 7.4 11.0



#38
Carbon Tetrachloride
Concen: 29.358 ug/l
RT: 4.16 min Scan# 368
Delta R.T. -0.01 min
Lab File: VF059546.D
Acq: 19 Jul 2018 8:13

Tgt Ion: 117 Resp: 115128
Ion Ratio Lower Upper
117 100
119 94.6 77.6 116.4
121 32.2 24.9 37.3

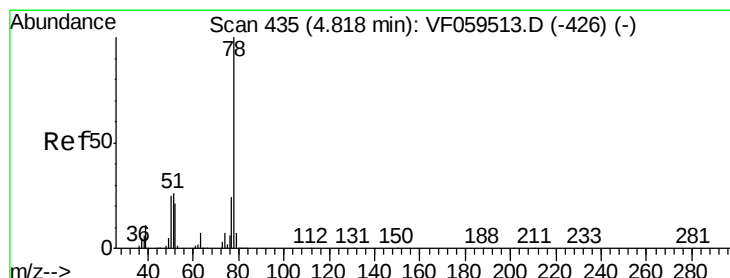
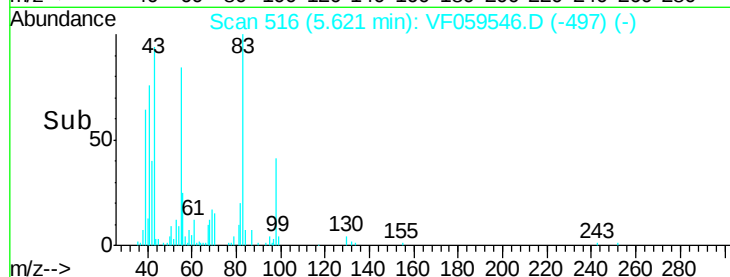
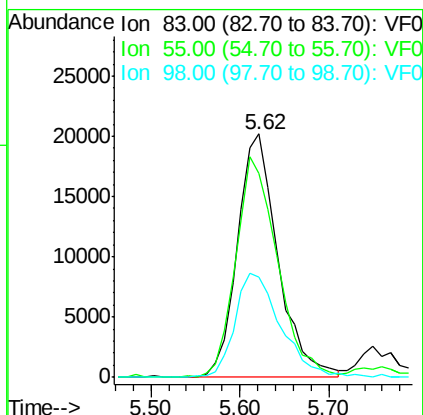
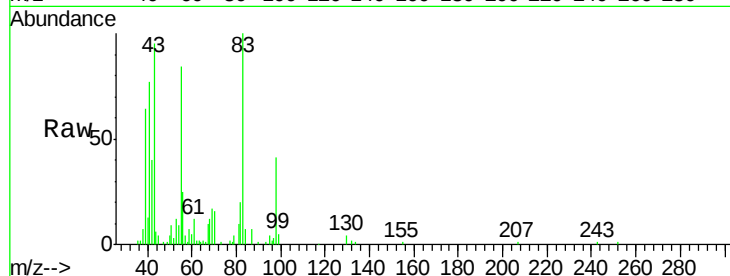




#39
Methvlcvclohexane
Concen: 24.546 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.01 min
Lab File: VF059546.D
Acq: 19 Jul 2018 8:13

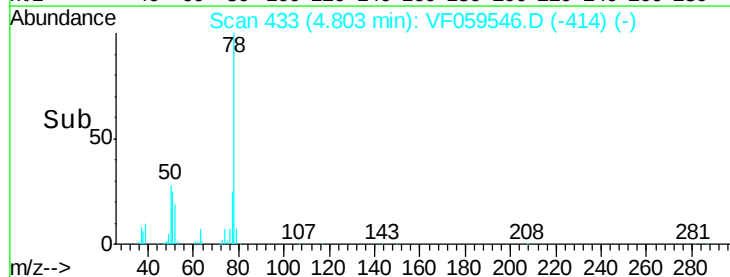
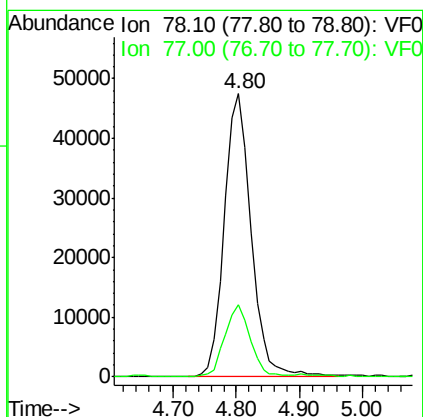
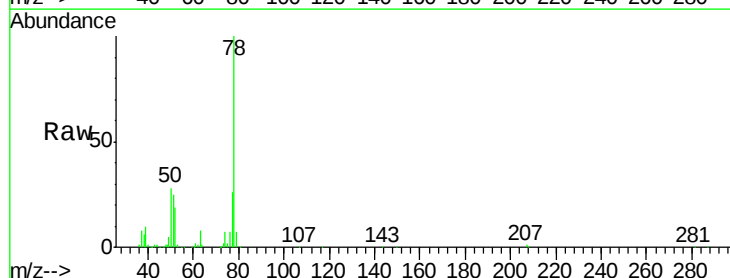
Instrument :
MSVOA_F
ClientSampleId :
VF0719SBS01

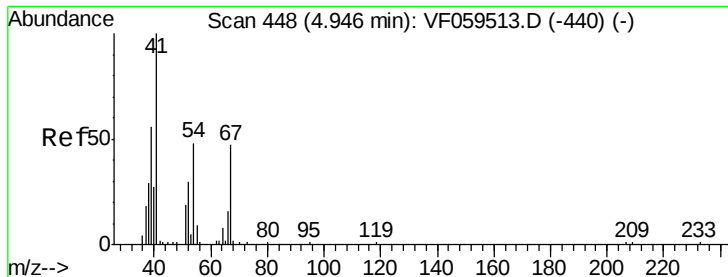
Tot Ion: 83 Resp: 63746
Ion Ratio Lower Upper
83 100
55 83.8 70.2 105.4
98 41.1 36.2 54.2



#40
Benzene
Concen: 21.222 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF059546.D
Acq: 19 Jul 2018 8:13

Tgt Ion: 78 Resp: 140883
Ion Ratio Lower Upper
78 100
77 25.6 19.4 29.0

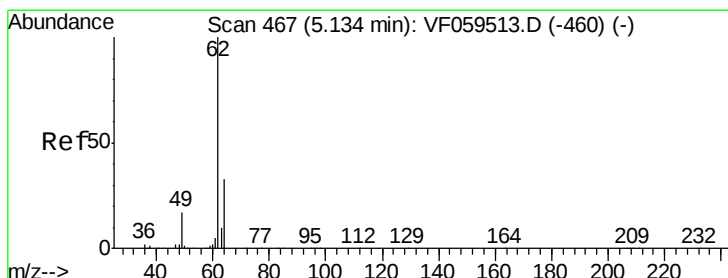
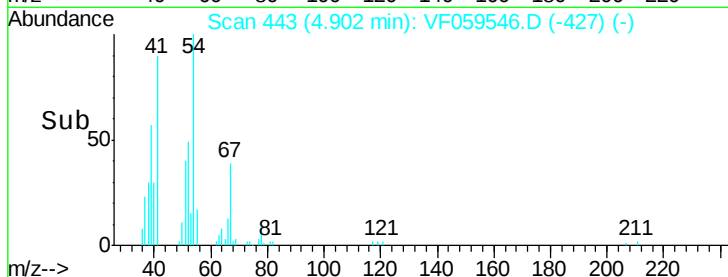
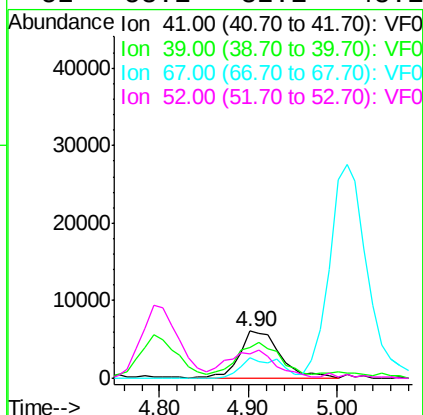
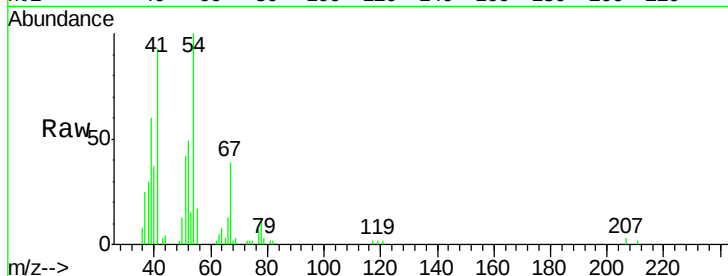




#41
Methacrylonitrile
Concen: 19.782 ug/l
RT: 4.90 min Scan# 443
Delta R.T. -0.04 min
Lab File: VF059546.D
Acq: 19 Jul 2018 8:13

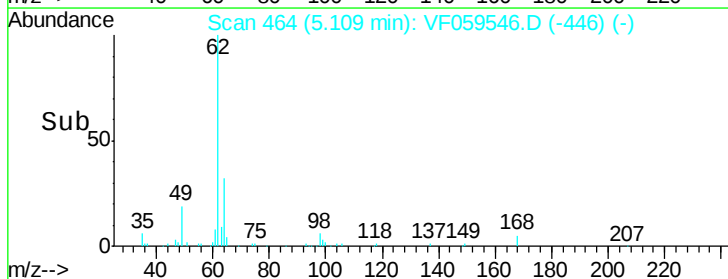
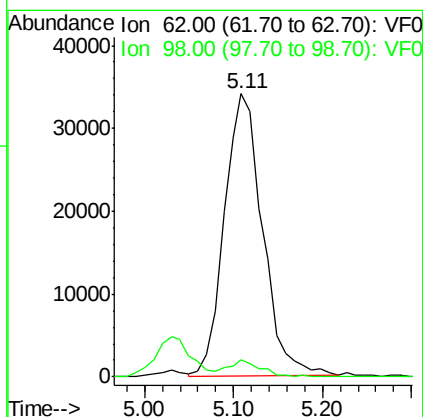
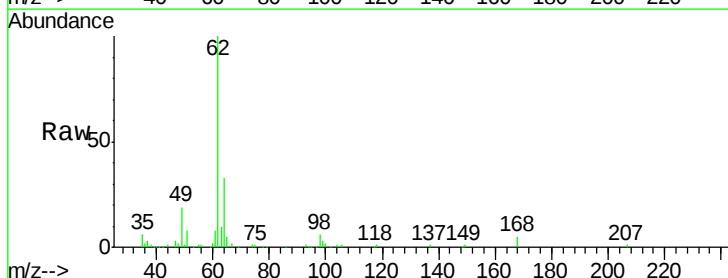
Instrument :
MSVOA_F
ClientSampleId :
VF0719SBS01

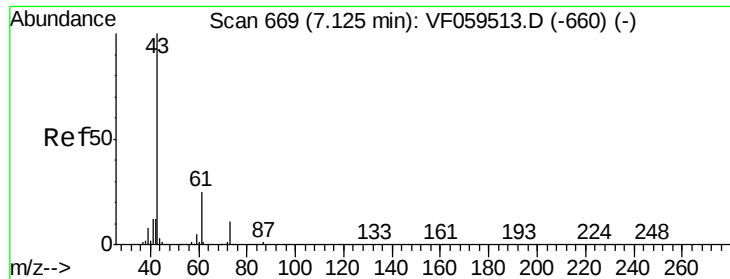
Tot Ion:	41	Resp:	19412
Ion	Ratio	Lower	Upper
41	100		
39	64.4	49.4	74.0
67	42.4	37.4	56.2
52	53.1	32.1	48.1#



#42
1,2-Dichloroethane
Concen: 23.347 ug/l
RT: 5.11 min Scan# 464
Delta R.T. -0.02 min
Lab File: VF059546.D
Acq: 19 Jul 2018 8:13

Tgt Ion:	62	Resp:	101806
Ion	Ratio	Lower	Upper
62	100		
98	6.2	0.0	9.6



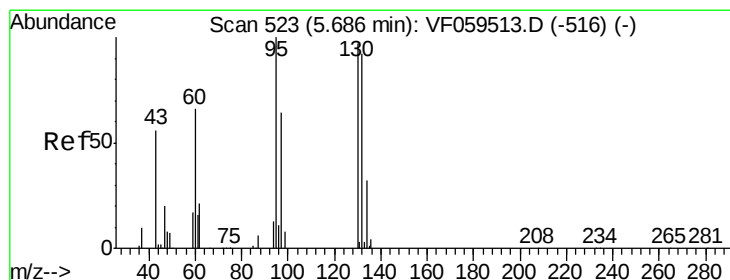
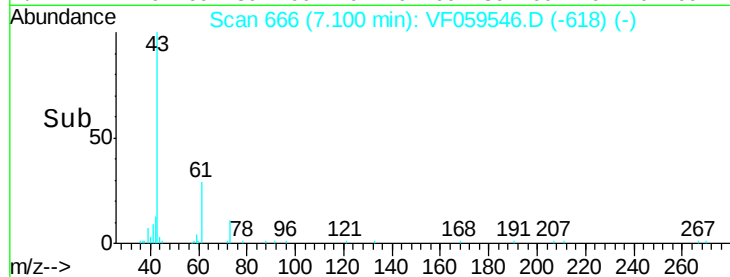
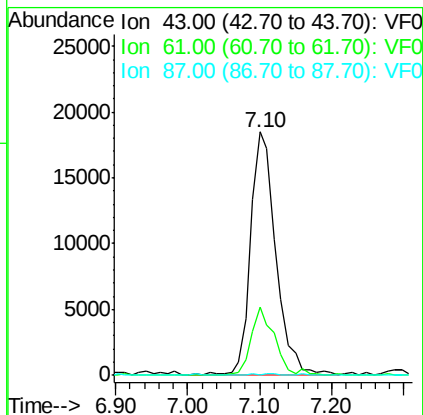
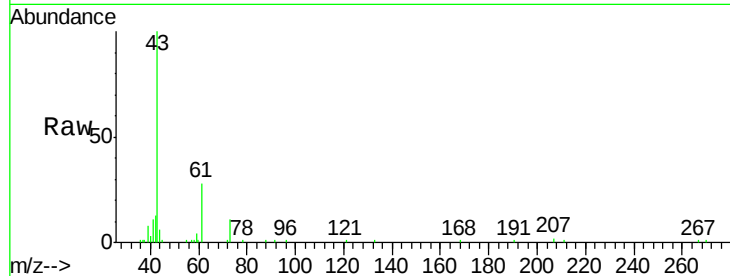


#43

Isopropyl Acetate
 Concen: 18.462 ug/l
 RT: 7.10 min Scan# 666
 Delta R.T. -0.02 min
 Lab File: VF059546.D
 Acq: 19 Jul 2018 8:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0719SBS01

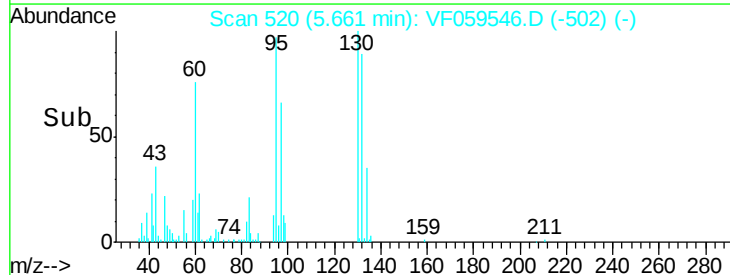
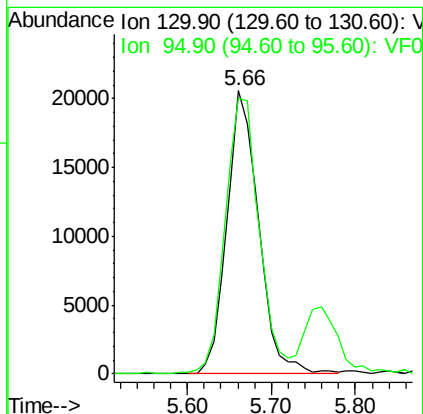
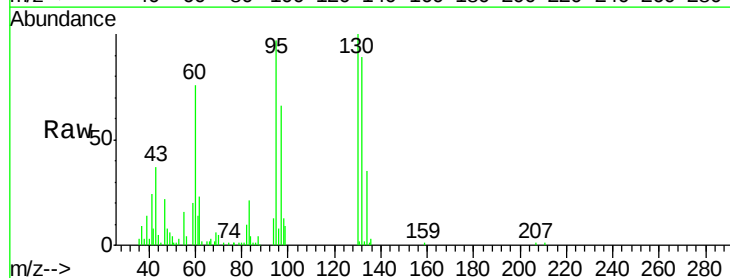
Tot Ion	Ratio	Lower	Upper
43	100		
61	28.1	20.3	30.5
87	0.0	0.4	0.6

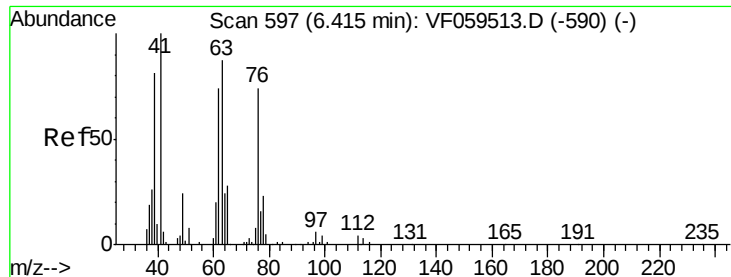


#44

Trichloroethene
 Concen: 22.014 ug/l
 RT: 5.66 min Scan# 520
 Delta R.T. -0.02 min
 Lab File: VF059546.D
 Acq: 19 Jul 2018 8:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.4	0.0	206.6





#45

1,2-Dichloropropane

Concen: 21.033 ug/l

RT: 6.39 min Scan# 594

Delta R.T. -0.02 min

Lab File: VF059546.D

Acq: 19 Jul 2018 8:13

Instrument :

MSVOA_F

ClientSampleId :

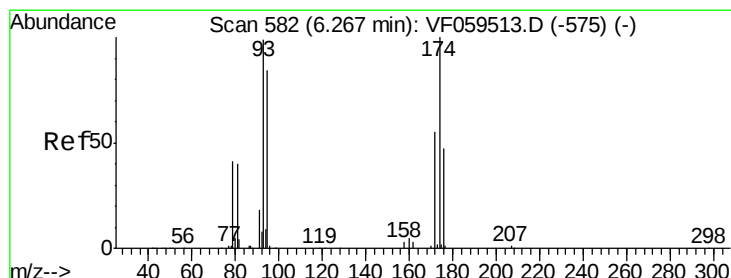
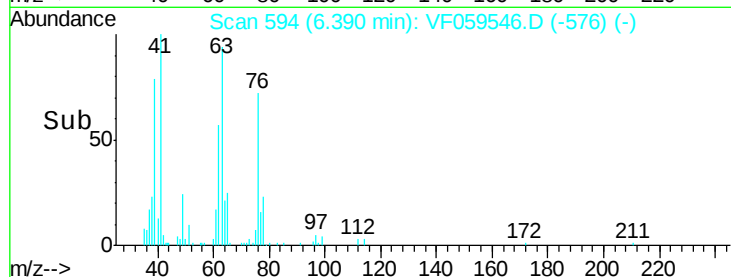
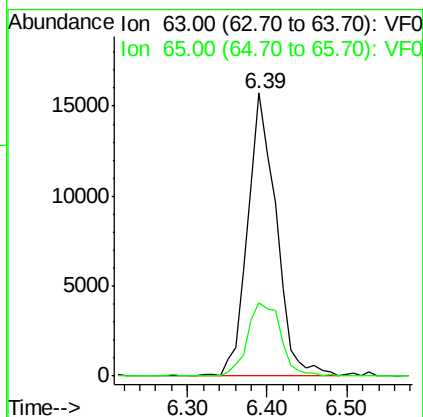
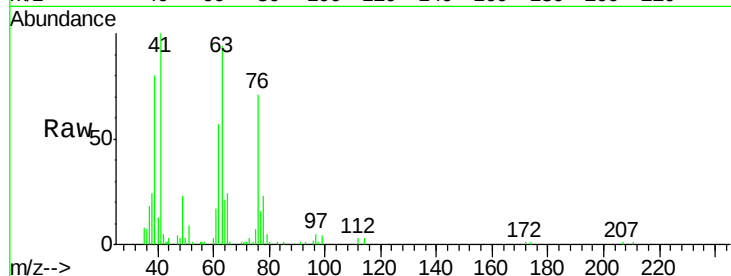
VF0719SBS01

Tot Ion: 63 Resp: 38755

Ion Ratio Lower Upper

63 100

65 25.9 26.1 39.1#



#46

Dibromomethane

Concen: 21.862 ug/l

RT: 6.24 min Scan# 579

Delta R.T. -0.02 min

Lab File: VF059546.D

Acq: 19 Jul 2018 8:13

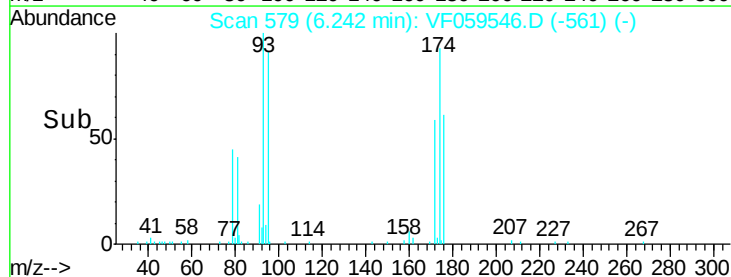
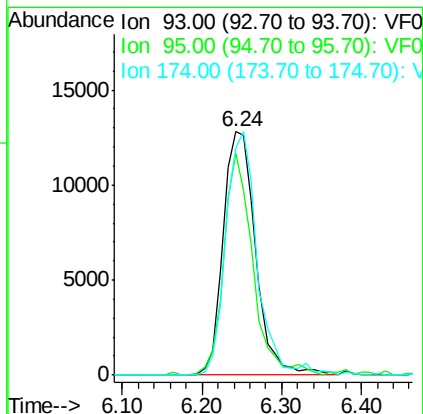
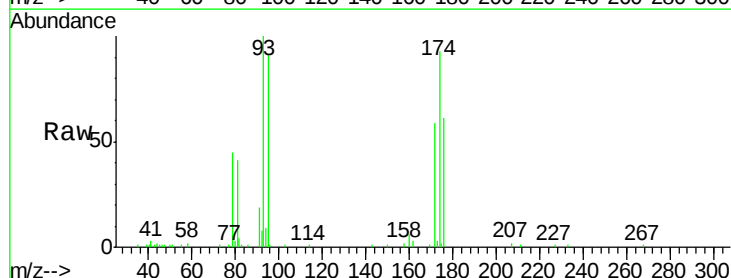
Tgt Ion: 93 Resp: 36685

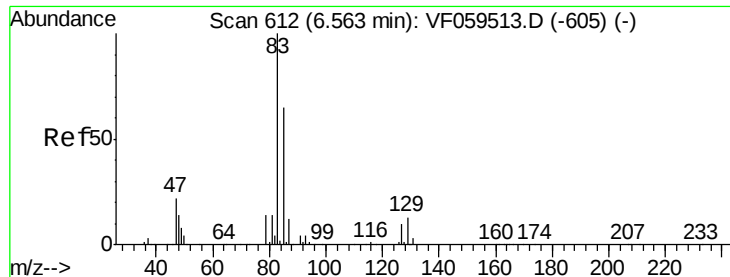
Ion Ratio Lower Upper

93 100

95 90.9 68.3 102.5

174 95.4 81.2 121.8





#47

Bromodichloromethane

Concen: 22.543 ug/l

RT: 6.54 min Scan# 609

Delta R.T. -0.02 min

Lab File: VF059546.D

Acq: 19 Jul 2018 8:13

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS01

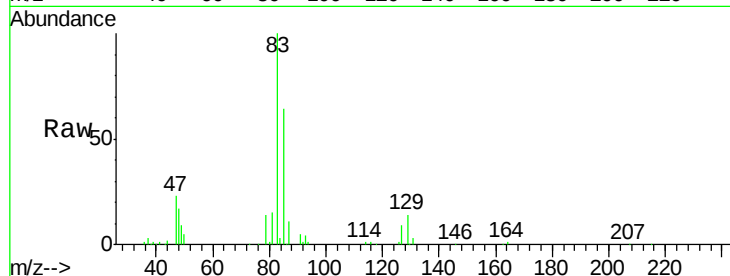
Tot Ion: 83 Resp: 97373

Ion Ratio Lower Upper

83 100

85 64.3 52.4 78.6

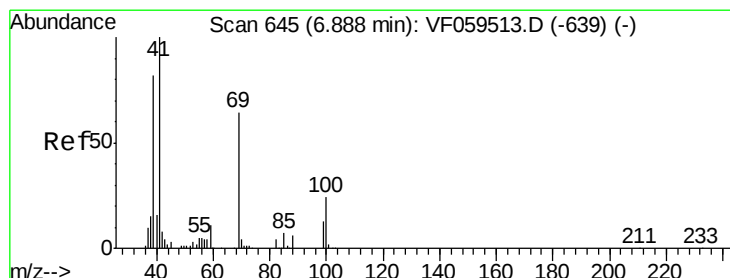
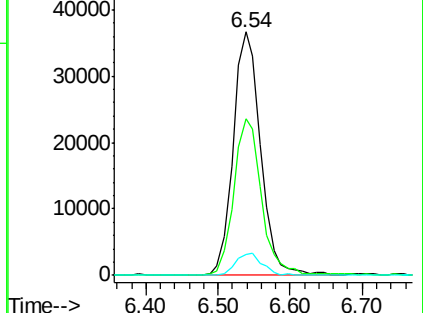
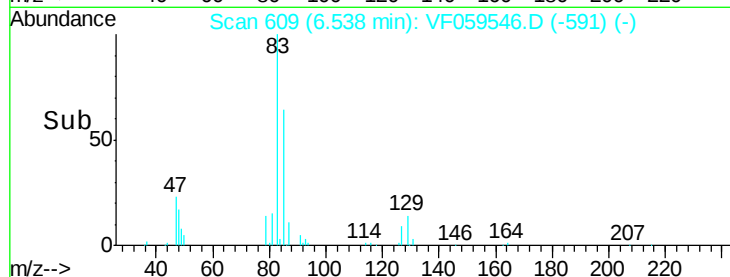
127 8.7 8.2 12.4



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: 19.079 ug/l

RT: 6.87 min Scan# 643

Delta R.T. -0.01 min

Lab File: VF059546.D

Acq: 19 Jul 2018 8:13

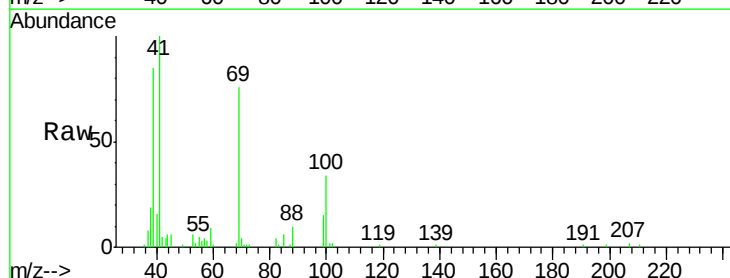
Tgt Ion: 41 Resp: 33506

Ion Ratio Lower Upper

41 100

69 75.6 51.3 76.9

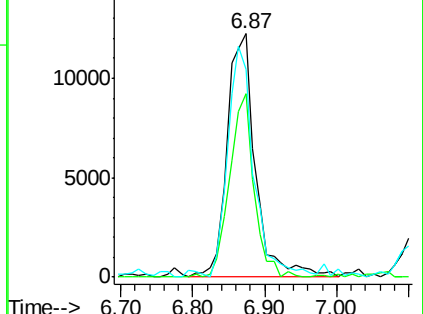
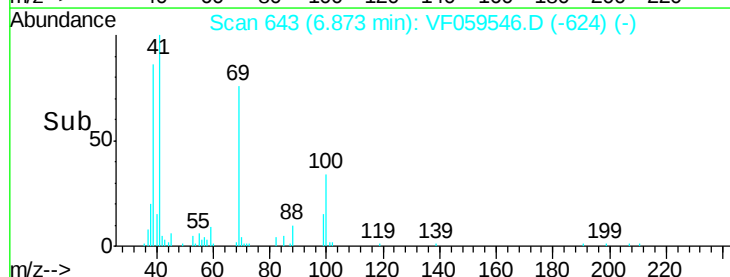
39 85.4 65.3 97.9

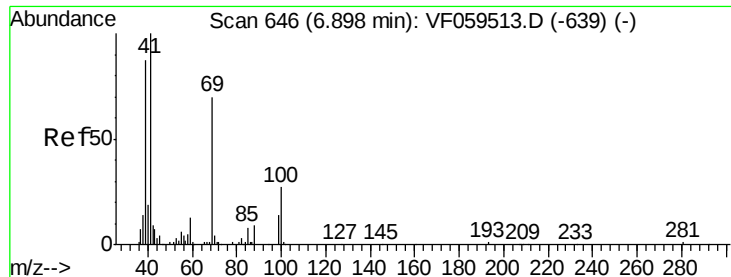


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 560.921 ug/l

RT: 6.87 min Scan# 643

Delta R.T. -0.02 min

Lab File: VF059546.D

Acq: 19 Jul 2018 8:13

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS01

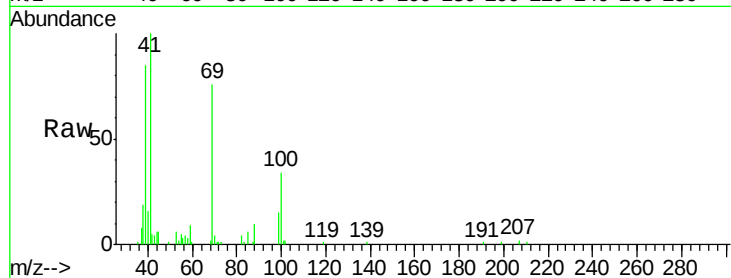
Tot Ion: 88 Resp: 4750

Ion Ratio Lower Upper

88 100

43 41.5 64.8 97.2#

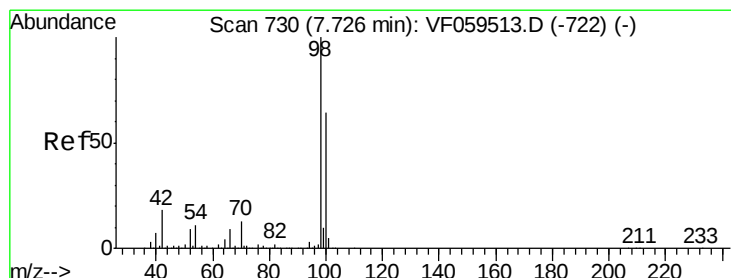
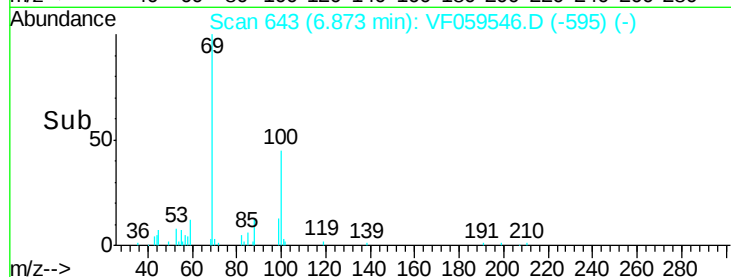
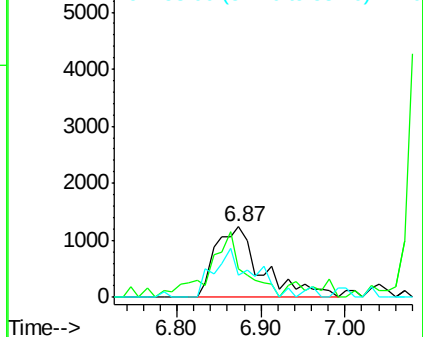
58 32.0 44.1 66.1#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 46.805 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.02 min

Lab File: VF059546.D

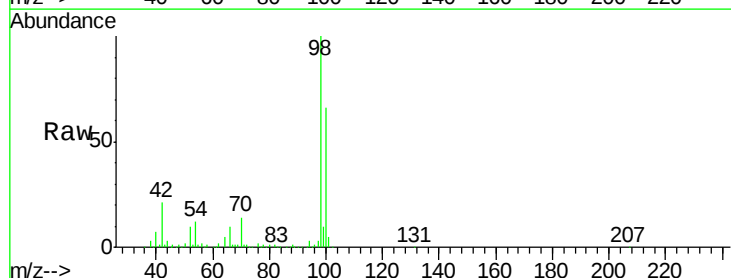
Acq: 19 Jul 2018 8:13

Tgt Ion: 98 Resp: 349086

Ion Ratio Lower Upper

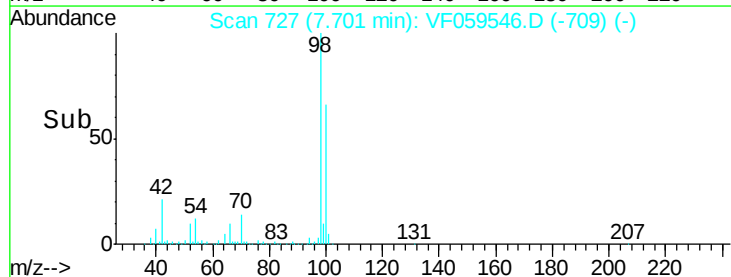
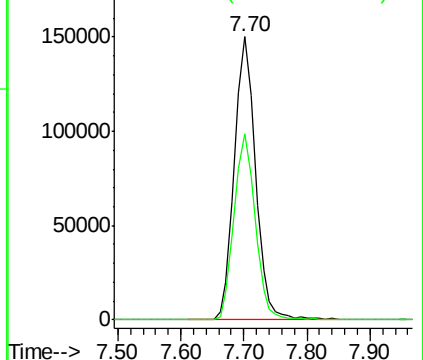
98 100

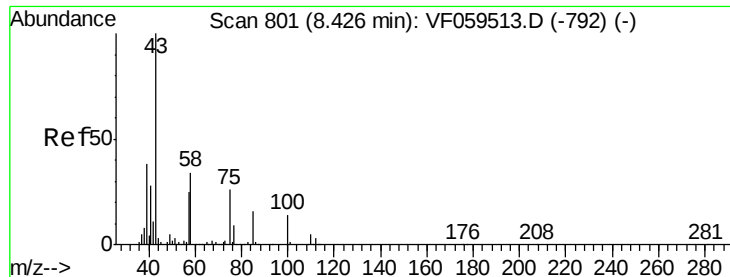
100 65.7 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 102.609 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.02 min

Lab File: VF059546.D

Acq: 19 Jul 2018 8:13

Instrument :

MSVOA_F

ClientSampleId :

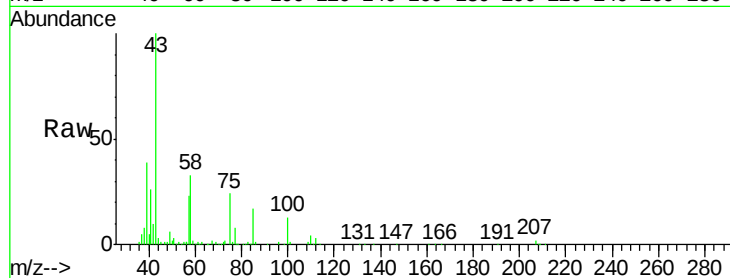
VF0719SBS01

Tot Ion: 43 Resp: 178847

Ion Ratio Lower Upper

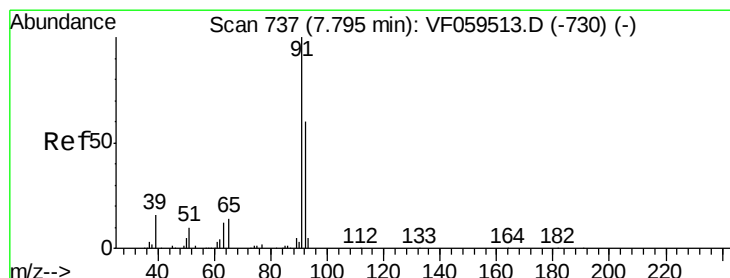
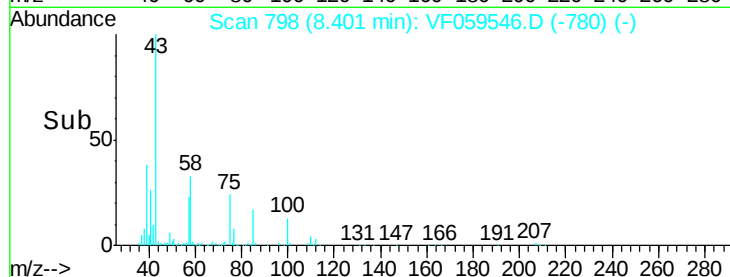
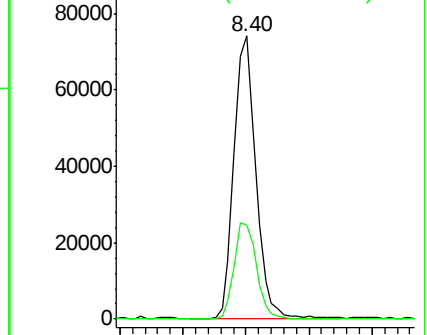
43 100

58 33.0 27.4 41.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 21.277 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.02 min

Lab File: VF059546.D

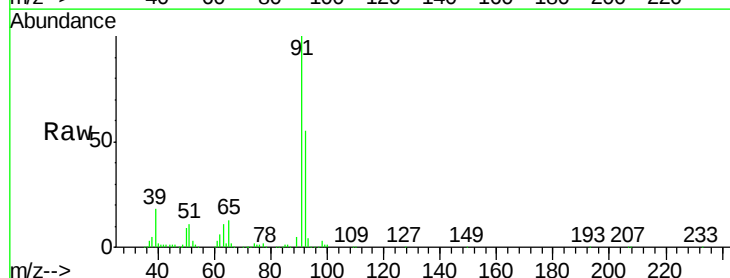
Acq: 19 Jul 2018 8:13

Tgt Ion: 92 Resp: 102442

Ion Ratio Lower Upper

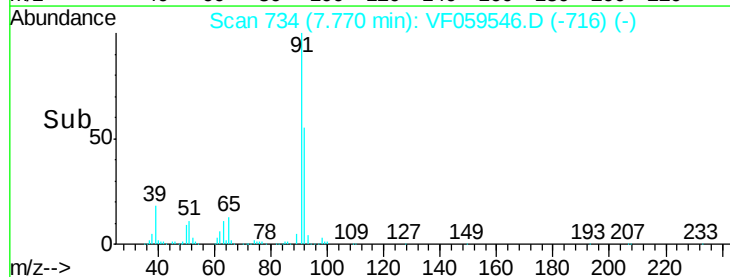
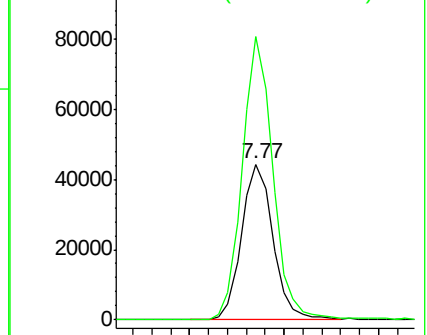
92 100

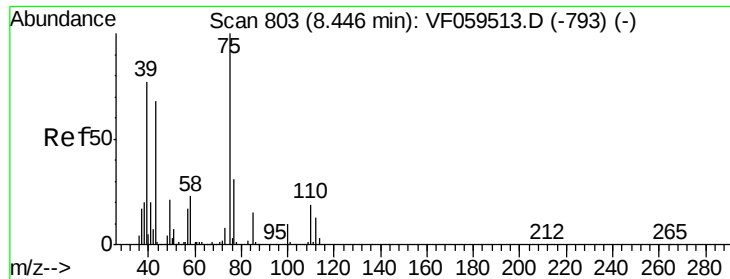
91 182.0 134.2 201.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 21.226 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.02 min

Lab File: VF059546.D

Acq: 19 Jul 2018 8:13

Instrument :

MSVOA_F

ClientSampleId :

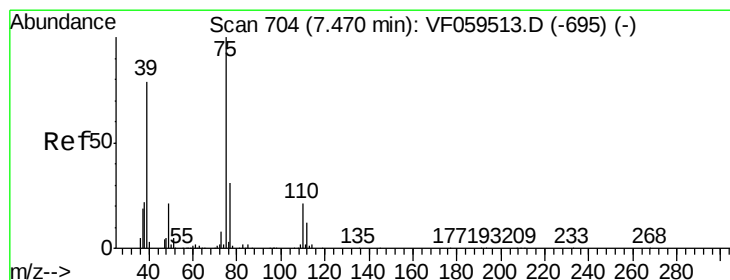
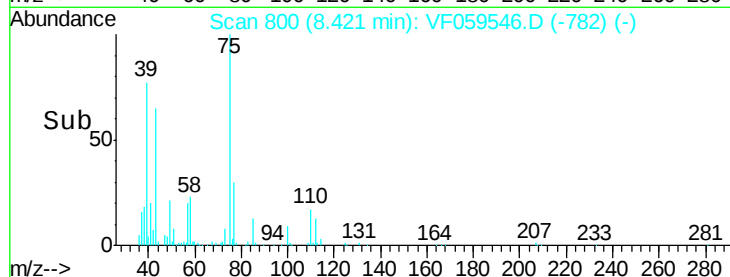
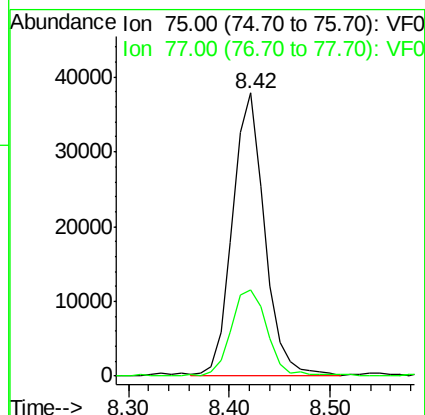
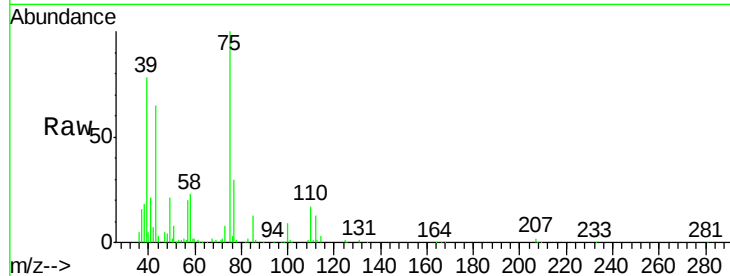
VF0719SBS01

Tot Ion: 75 Resp: 84335

Ion Ratio Lower Upper

75 100

77 30.5 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 20.276 ug/l

RT: 7.45 min Scan# 701

Delta R.T. -0.02 min

Lab File: VF059546.D

Acq: 19 Jul 2018 8:13

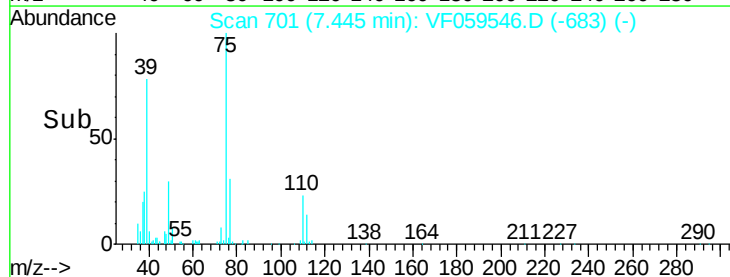
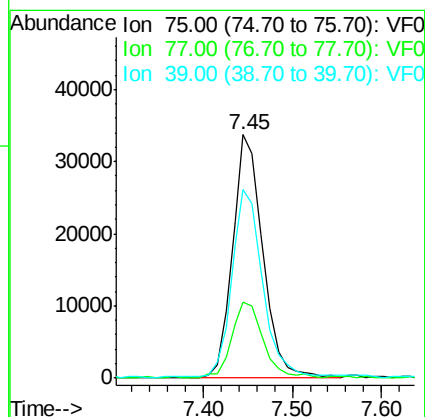
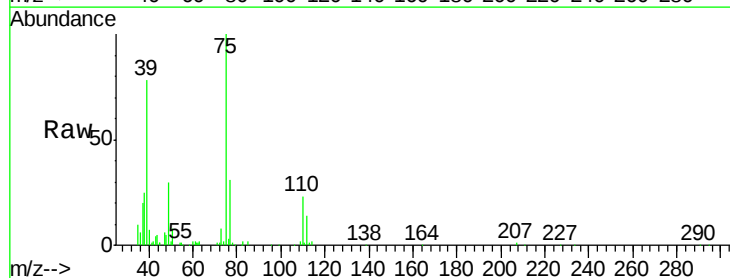
Tgt Ion: 75 Resp: 80215

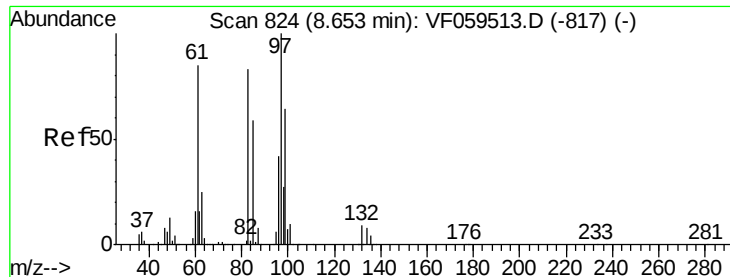
Ion Ratio Lower Upper

75 100

77 31.1 25.0 37.6

39 77.6 63.8 95.6





#55

1,1,2-Trichloroethane

Concen: 23.460 ug/l

RT: 8.63 min Scan# 821

Delta R.T. -0.02 min

Lab File: VF059546.D

Acq: 19 Jul 2018 8:13

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS01

Tot Ion: 97 Resp: 43765

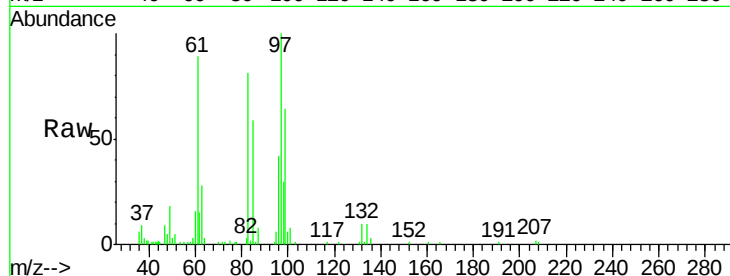
Ion Ratio Lower Upper

97 100

83 81.1 66.9 100.3

85 59.2 46.9 70.3

99 63.9 51.5 77.3

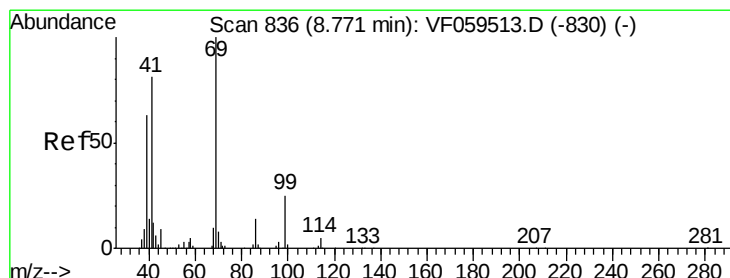
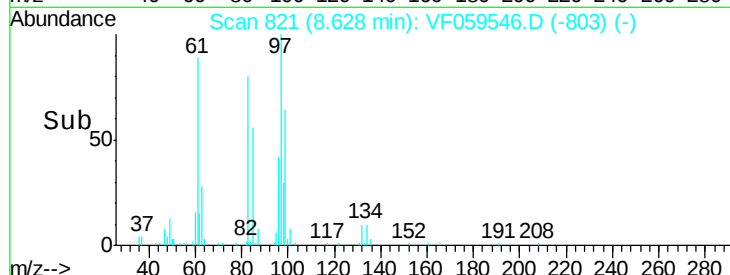
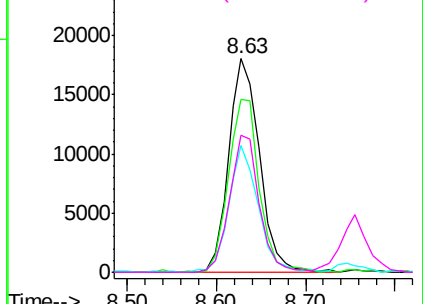


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 18.939 ug/l

RT: 8.76 min Scan# 834

Delta R.T. -0.01 min

Lab File: VF059546.D

Acq: 19 Jul 2018 8:13

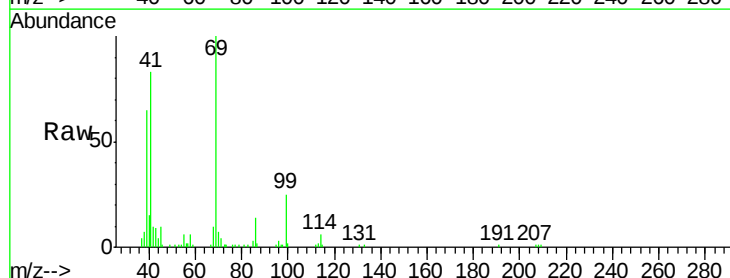
Tgt Ion: 69 Resp: 43815

Ion Ratio Lower Upper

69 100

41 82.7 65.4 98.2

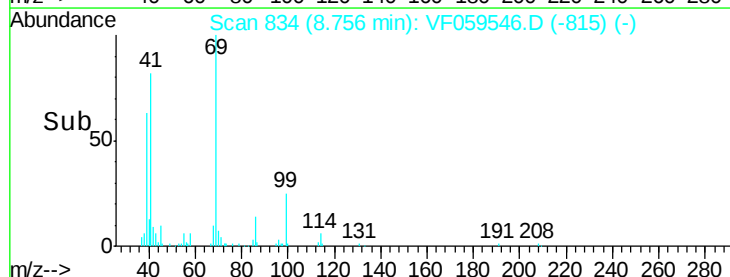
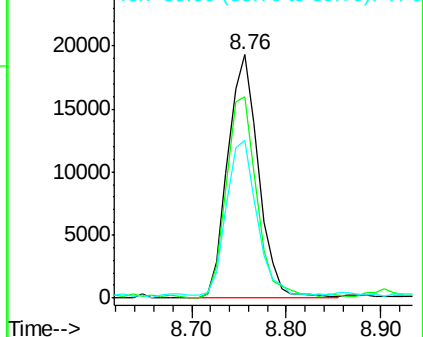
39 64.9 51.0 76.4

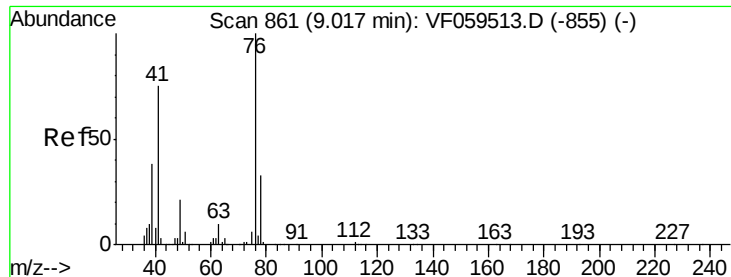


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 21.898 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.02 min

Lab File: VF059546.D

Acq: 19 Jul 2018 8:13

Instrument :

MSVOA_F

ClientSampleId :

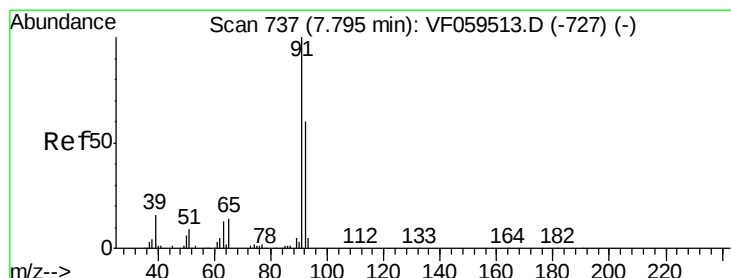
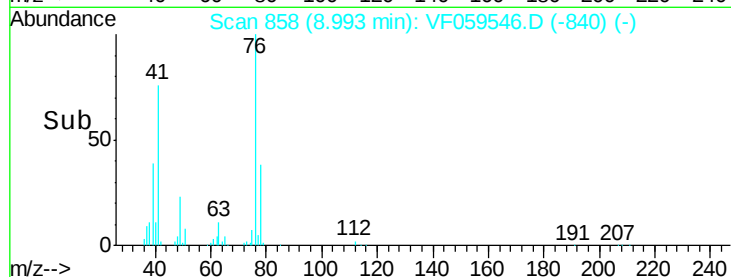
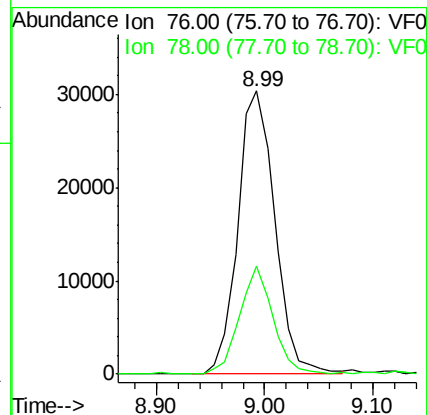
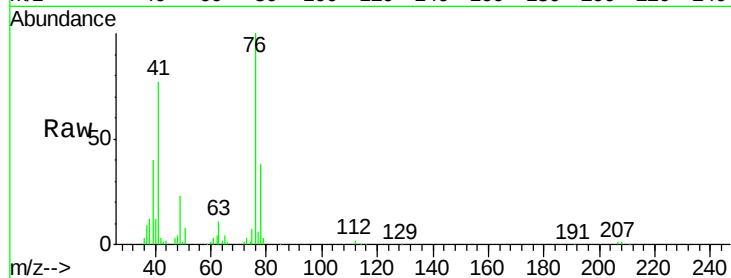
VF0719SBS01

Tot Ion: 76 Resp: 72235

Ion Ratio Lower Upper

76 100

78 38.1 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 114.509 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.02 min

Lab File: VF059546.D

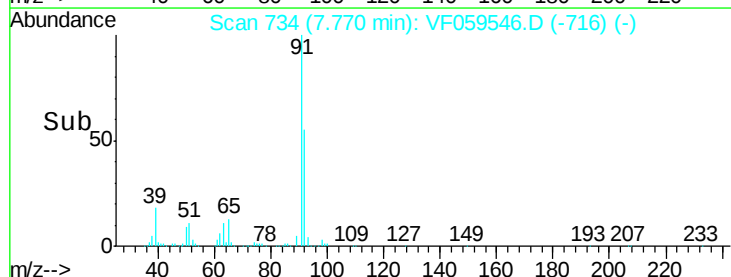
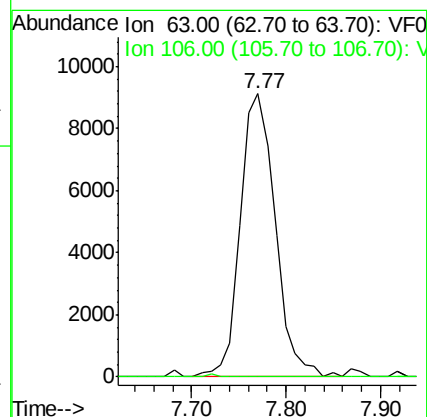
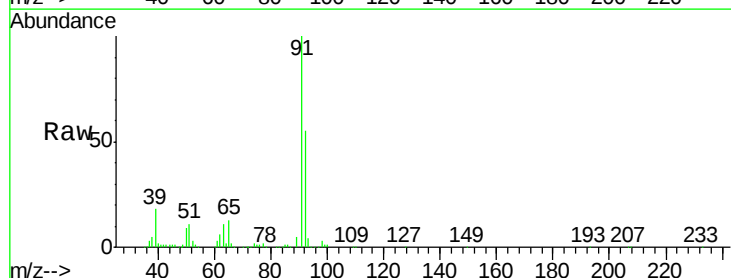
Acq: 19 Jul 2018 8:13

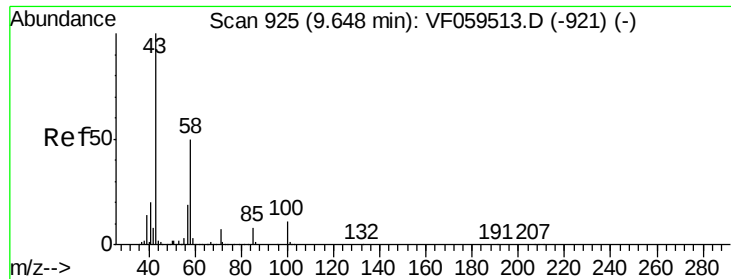
Tgt Ion: 63 Resp: 23388

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

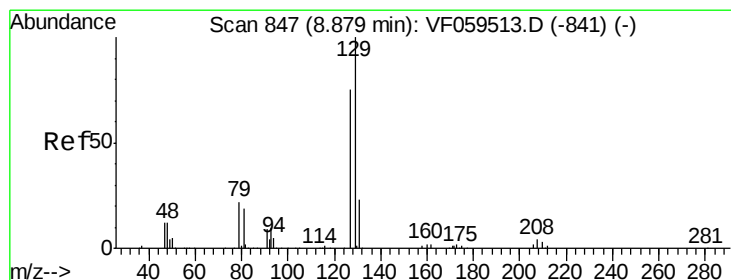
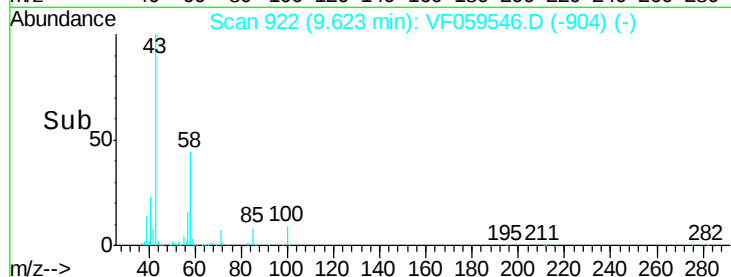
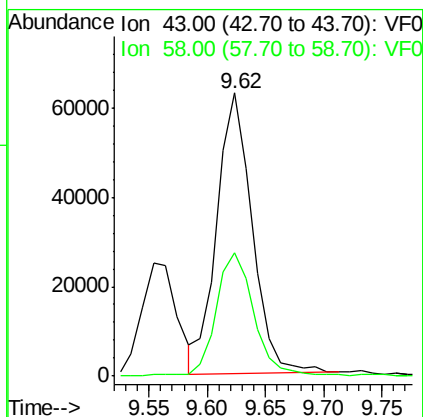
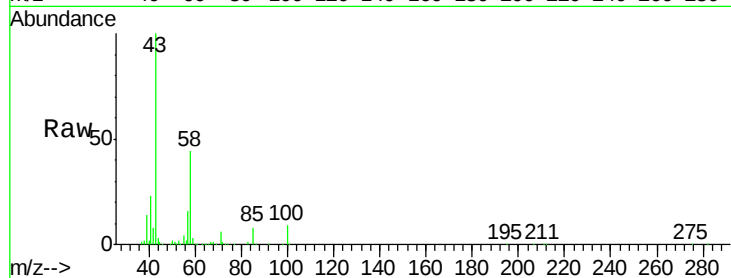




#59
2-Hexanone
Concen: 100.520 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.02 min
Lab File: VF059546.D
Acq: 19 Jul 2018 8:13

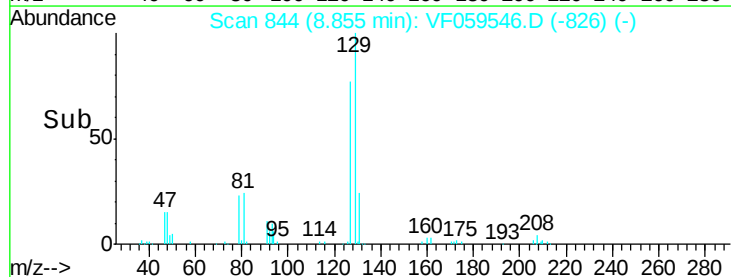
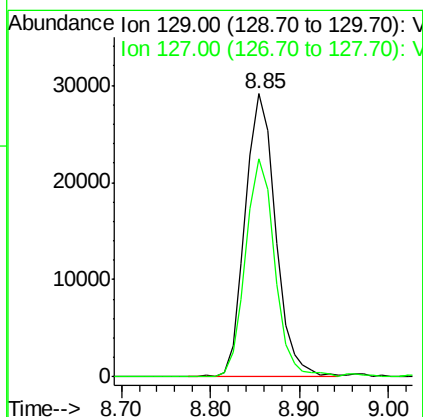
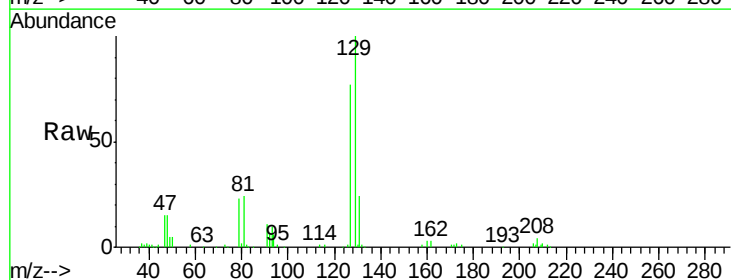
Instrument :
MSVOA_F
ClientSampleId :
VF0719SBS01

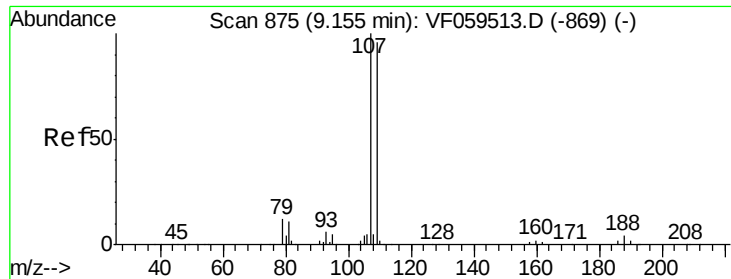
Tot Ion: 43 Resp: 132415
Ion Ratio Lower Upper
43 100
58 43.6 23.3 69.9



#60
Dibromochloromethane
Concen: 21.935 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.02 min
Lab File: VF059546.D
Acq: 19 Jul 2018 8:13

Tgt Ion: 129 Resp: 68962
Ion Ratio Lower Upper
129 100
127 77.3 37.6 112.8





#61

1,2-Dibromoethane

Concen: 22.593 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.02 min

Lab File: VF059546.D

Acq: 19 Jul 2018 8:13

Instrument :

MSVOA_F

ClientSampleId :

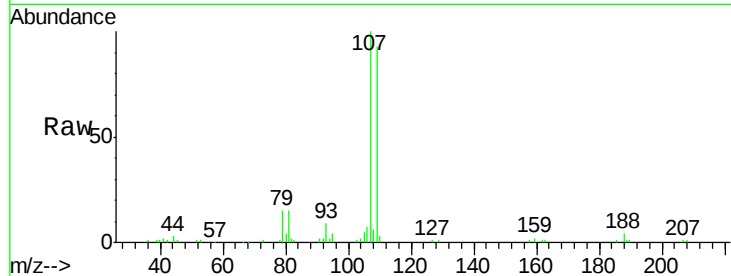
VF0719SBS01

Tot Ion: 107 Resp: 52297

Ion Ratio Lower Upper

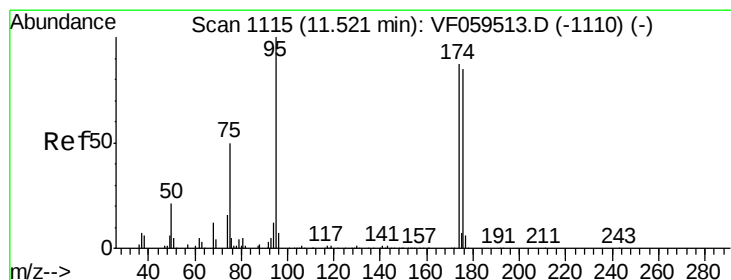
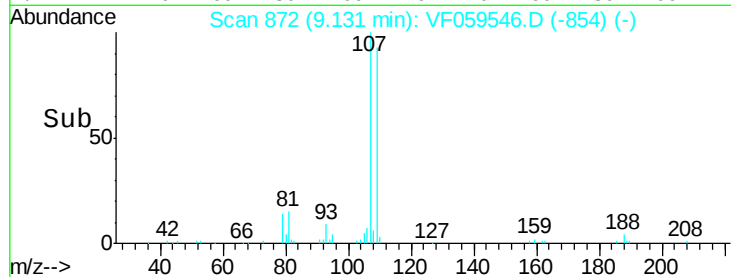
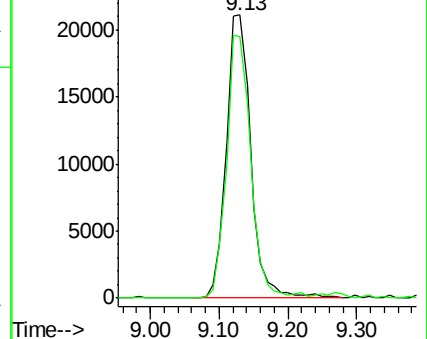
107 100

109 92.6 76.5 114.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 52.338 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059546.D

Acq: 19 Jul 2018 8:13

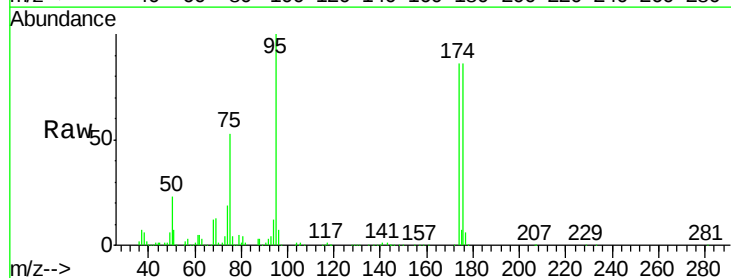
Tgt Ion: 95 Resp: 204779

Ion Ratio Lower Upper

95 100

174 85.7 0.0 174.4

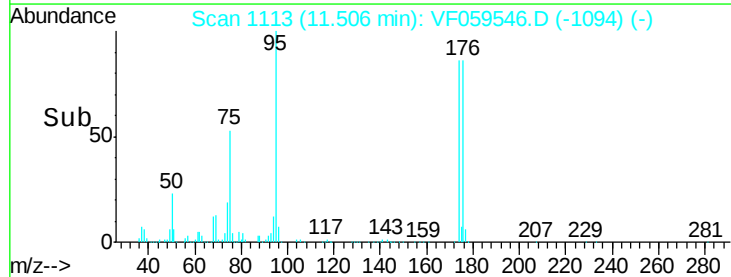
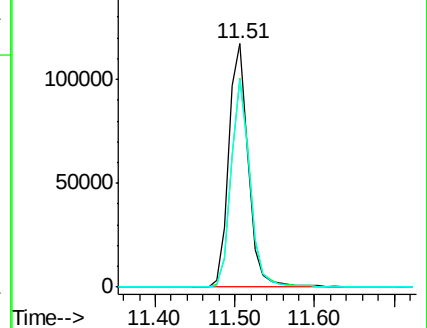
176 85.5 0.0 169.4

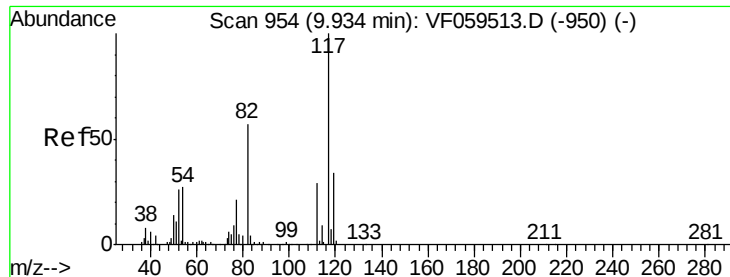


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

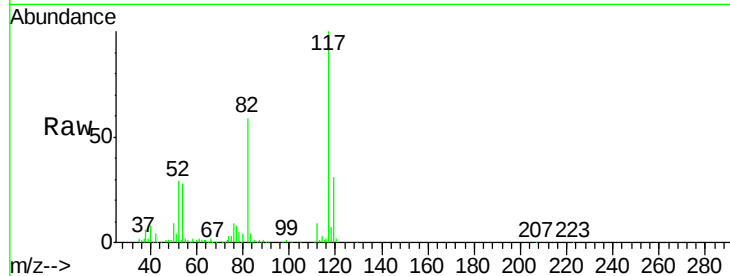




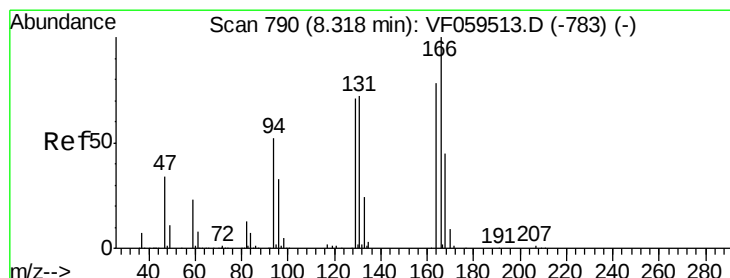
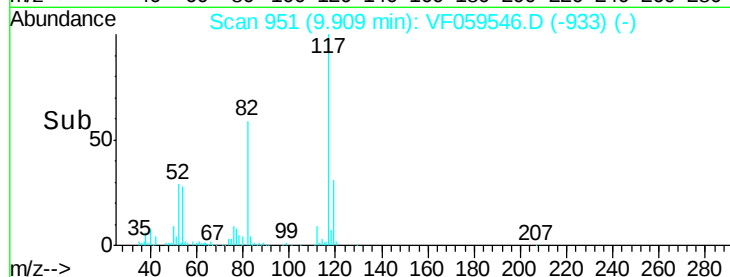
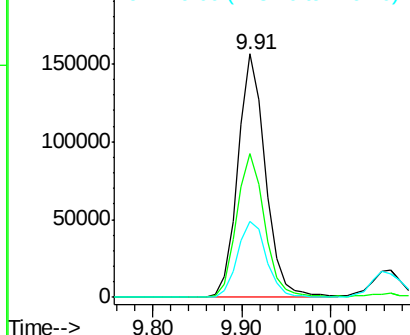
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.02 min
Lab File: VF059546.D
Acq: 19 Jul 2018 8:13

Instrument :
MSVOA_F
ClientSampleId :
VF0719SBS01

Tot Ion:117 Resp: 337449
Ion Ratio Lower Upper
117 100
82 59.2 46.1 69.1
119 31.2 27.2 40.8

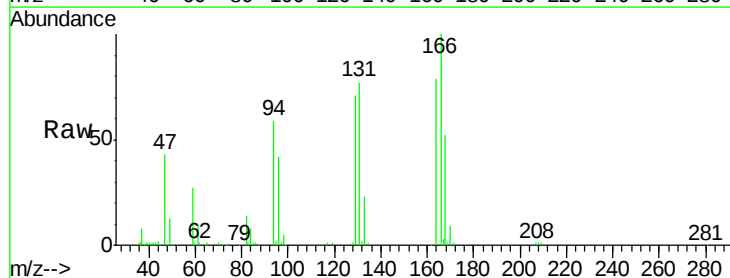


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

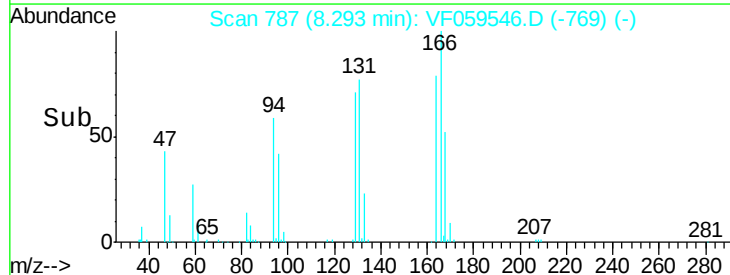
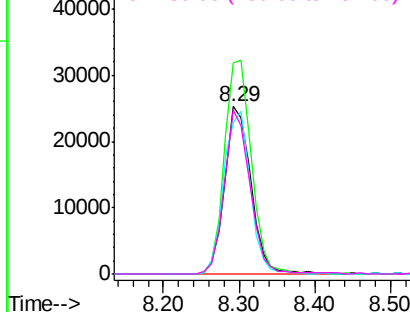


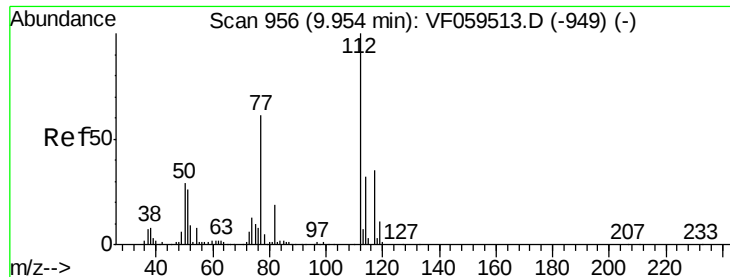
#64
Tetrachloroethene
Concen: 24.309 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.02 min
Lab File: VF059546.D
Acq: 19 Jul 2018 8:13

Tgt Ion:164 Resp: 61087
Ion Ratio Lower Upper
164 100
166 126.4 102.3 153.5
129 90.2 72.4 108.6
131 97.8 73.7 110.5



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

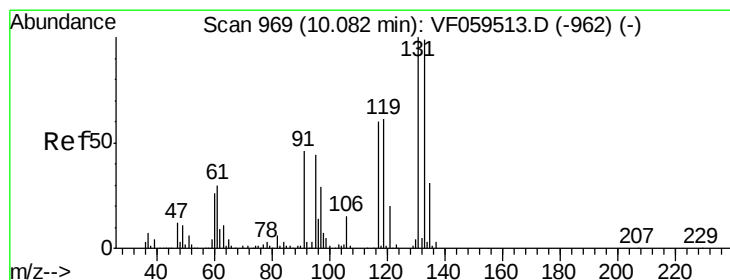
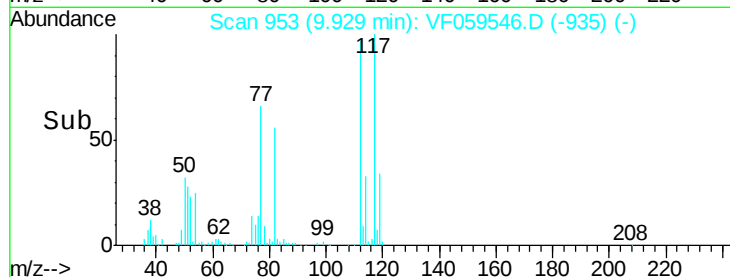
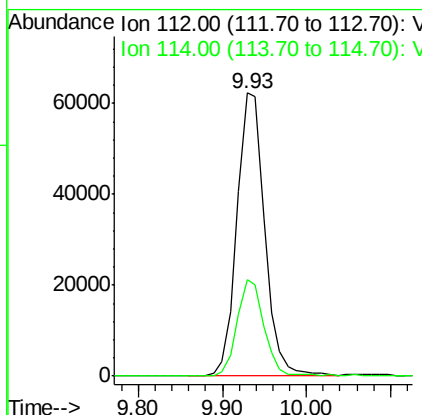
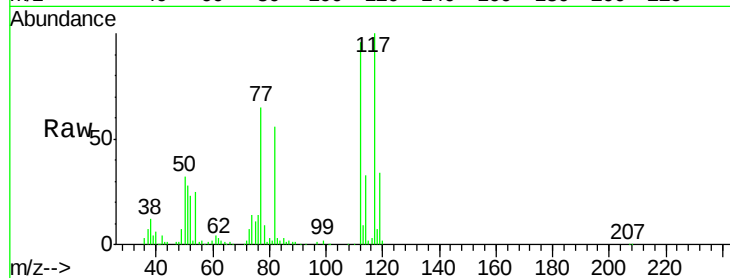




#65
Chlorobenzene
Concen: 22.694 ug/l
RT: 9.93 min Scan# 953
Delta R.T. -0.02 min
Lab File: VF059546.D
Acq: 19 Jul 2018 8:13

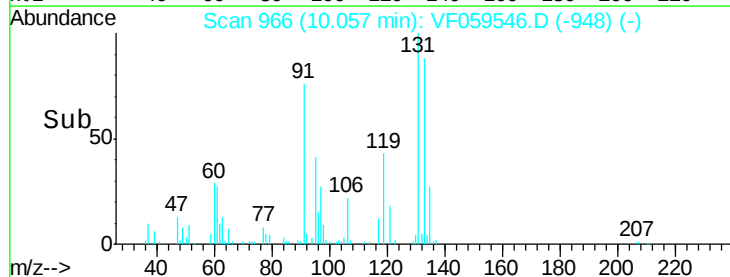
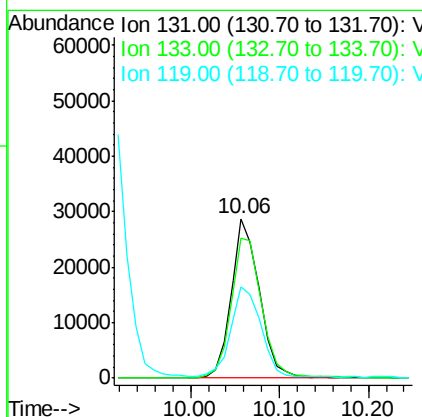
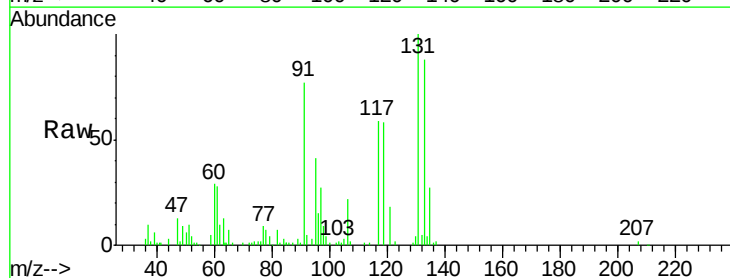
Instrument :
MSVOA_F
ClientSampleId :
VF0719SBS01

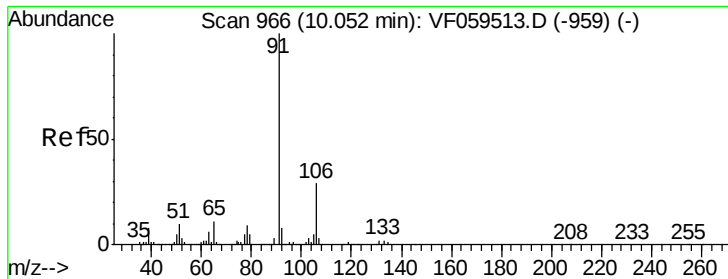
Tot Ion:112 Resp: 143620
Ion Ratio Lower Upper
112 100
114 33.9 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 21.996 ug/l
RT: 10.06 min Scan# 966
Delta R.T. -0.02 min
Lab File: VF059546.D
Acq: 19 Jul 2018 8:13

Tgt Ion:131 Resp: 63406
Ion Ratio Lower Upper
131 100
133 88.1 49.6 148.8
119 57.6 31.4 94.3





#67

Ethyl Benzene

Concen: 22.174 ug/l

RT: 10.03 min Scan# 963

Delta R.T. -0.02 min

Lab File: VF059546.D

Acq: 19 Jul 2018 8:13

Instrument :

MSVOA_F

ClientSampleId :

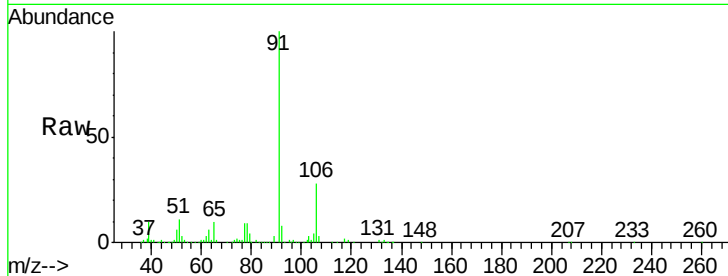
VF0719SBS01

Tot Ion: 91 Resp: 249791

Ion Ratio Lower Upper

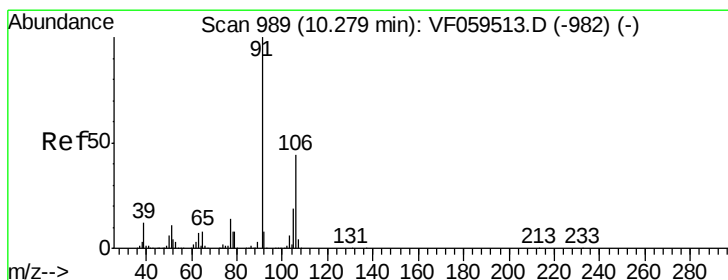
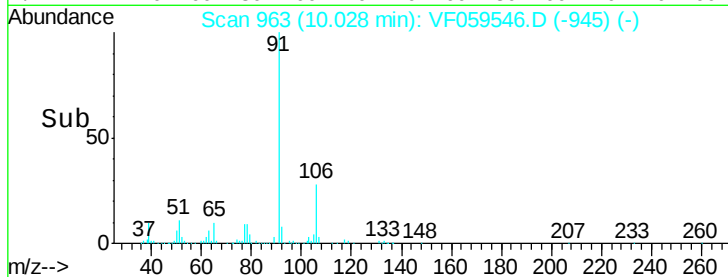
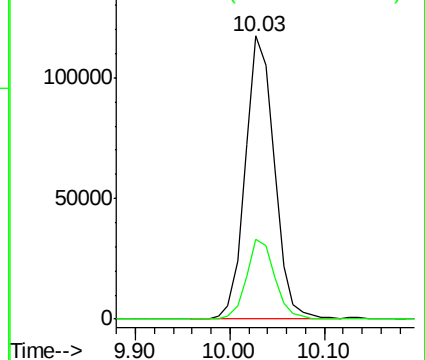
91 100

106 28.4 23.4 35.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 45.507 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF059546.D

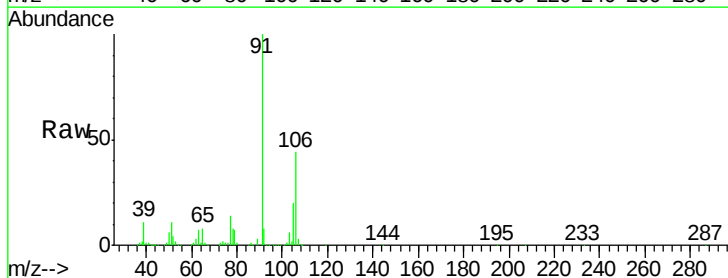
Acq: 19 Jul 2018 8:13

Tgt Ion: 106 Resp: 180935

Ion Ratio Lower Upper

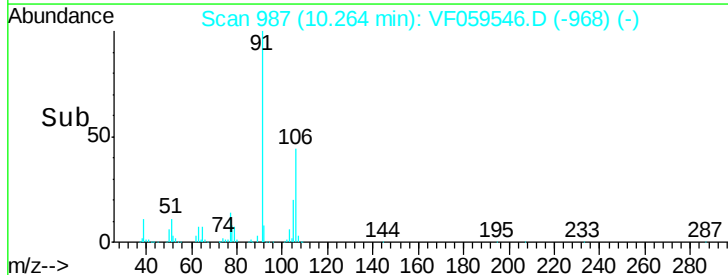
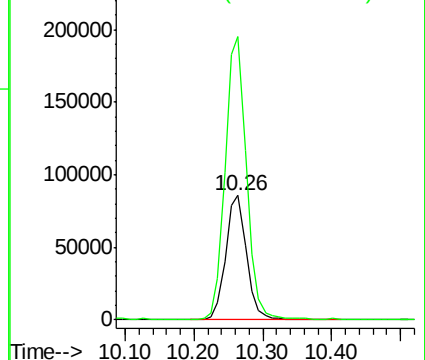
106 100

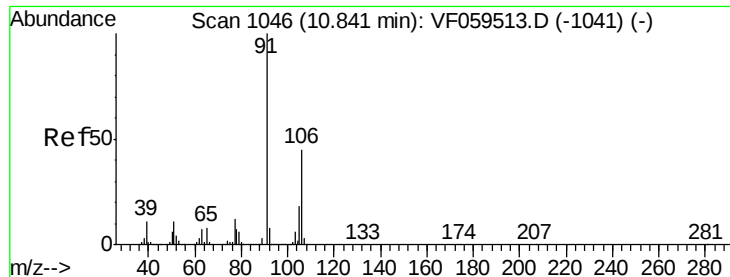
91 227.6 181.0 271.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

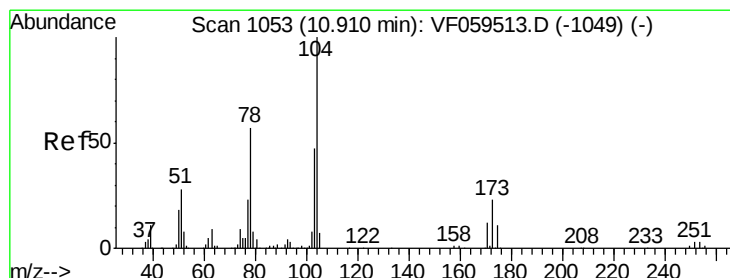
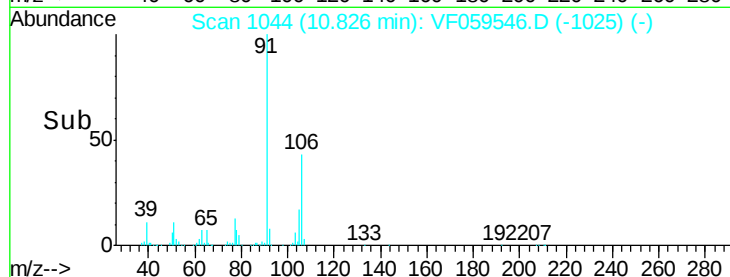
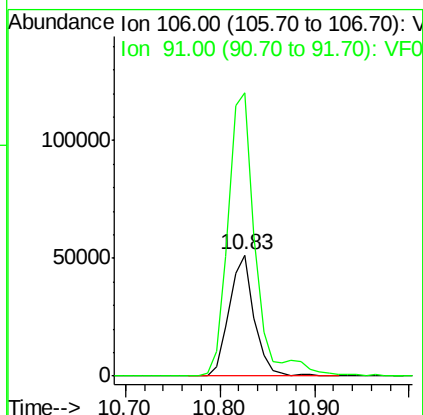
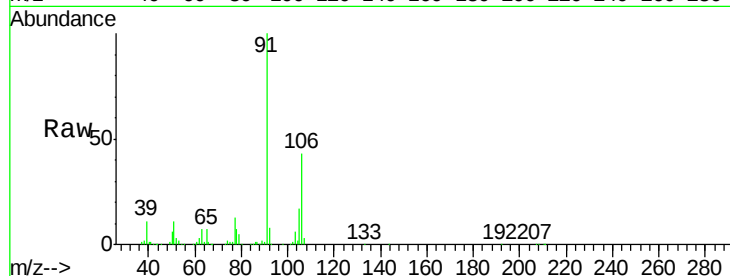




#69
o-Xylene
Concen: 22.305 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059546.D
Acq: 19 Jul 2018 8:13

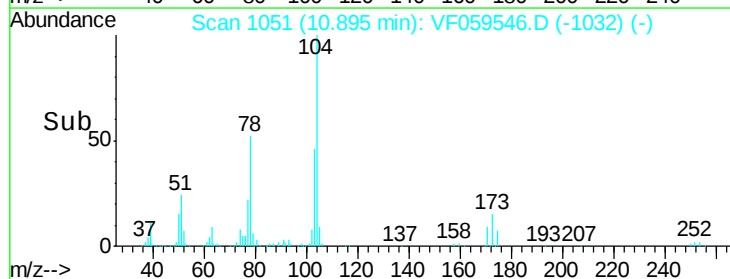
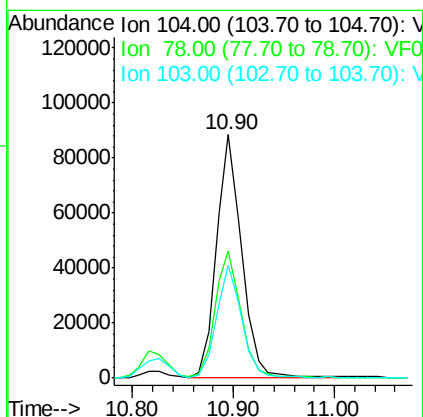
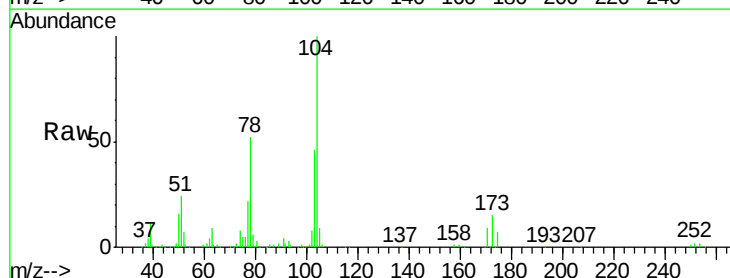
Instrument :
MSVOA_F
ClientSampleId :
VF0719SBS01

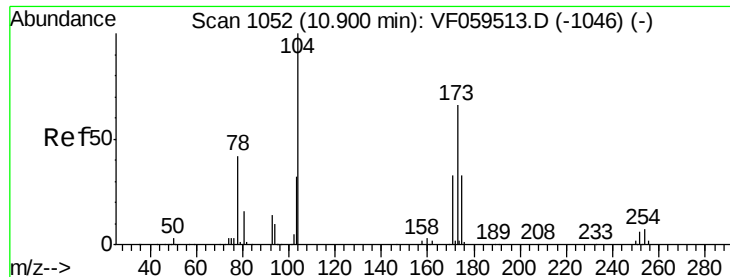
Tot Ion:106 Resp: 94434
Ion Ratio Lower Upper
106 100
91 233.5 112.3 336.9



#70
Styrene
Concen: 23.531 ug/l
RT: 10.90 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VF059546.D
Acq: 19 Jul 2018 8:13

Tgt Ion:104 Resp: 153128
Ion Ratio Lower Upper
104 100
78 52.2 45.7 68.5
103 46.5 38.1 57.1





#71

Bromoform

Concen: 21.420 ug/l

RT: 10.89 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF059546.D

Acq: 19 Jul 2018 8:13

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS01

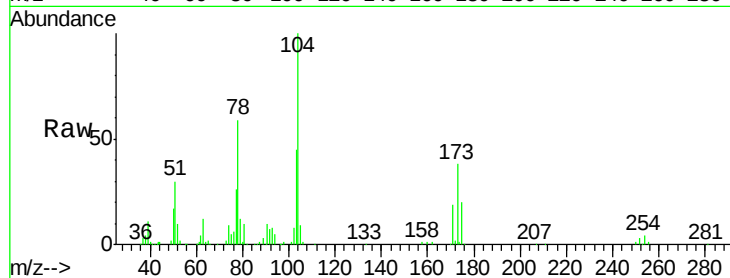
Tot Ion:173 Resp: 42888

Ion Ratio Lower Upper

173 100

175 51.6 25.3 75.8

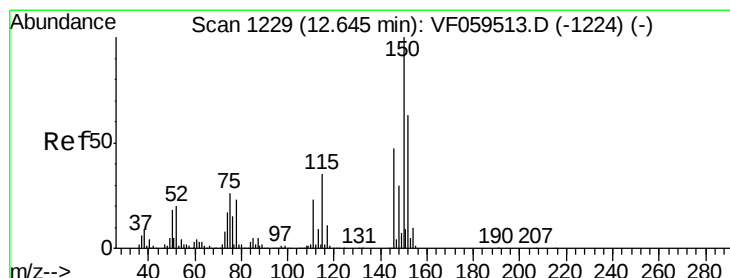
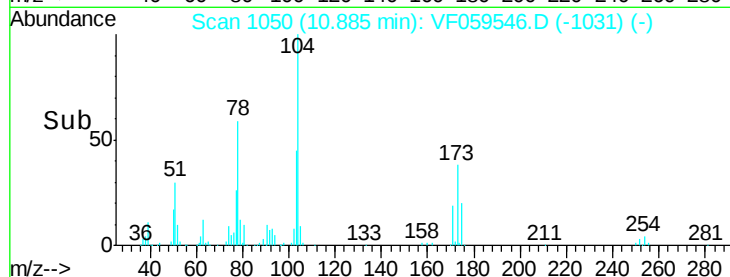
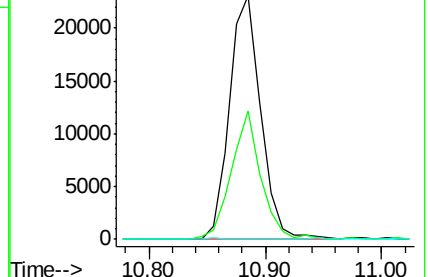
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF059546.D

Acq: 19 Jul 2018 8:13

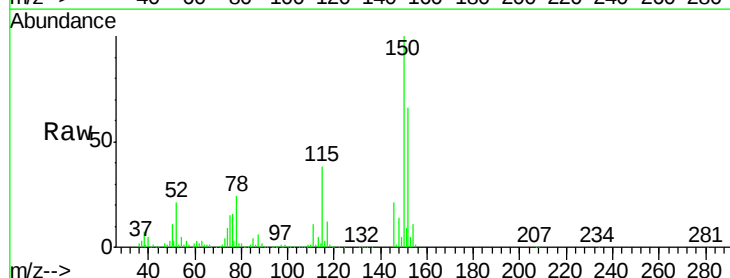
Tgt Ion:152 Resp: 223154

Ion Ratio Lower Upper

152 100

115 57.5 27.8 83.3

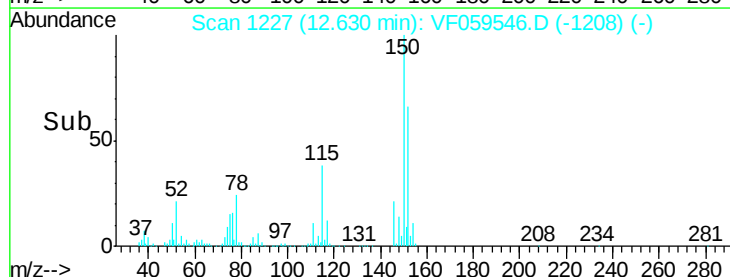
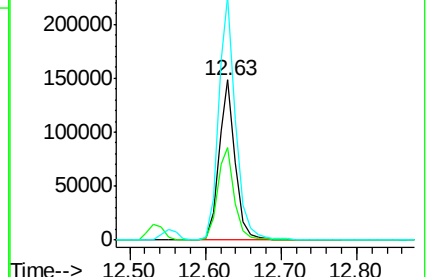
150 152.0 0.0 318.4

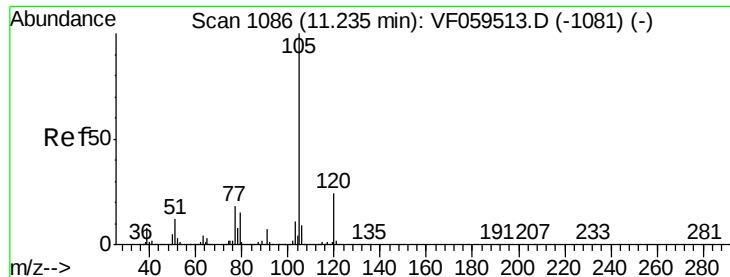


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 21.198 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.01 min

Lab File: VF059546.D

Acq: 19 Jul 2018 8:13

Instrument :

MSVOA_F

ClientSampleId :

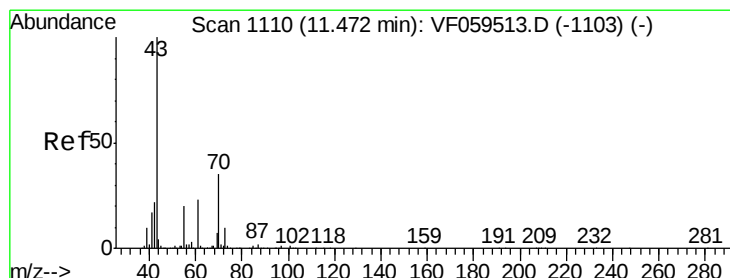
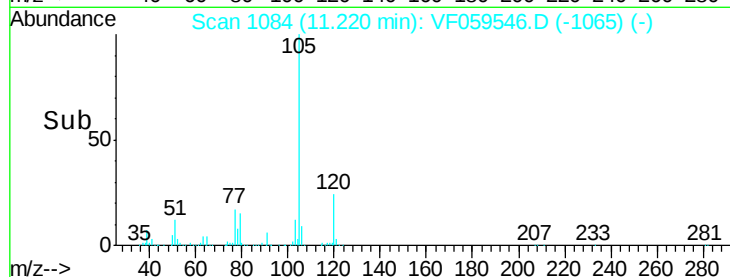
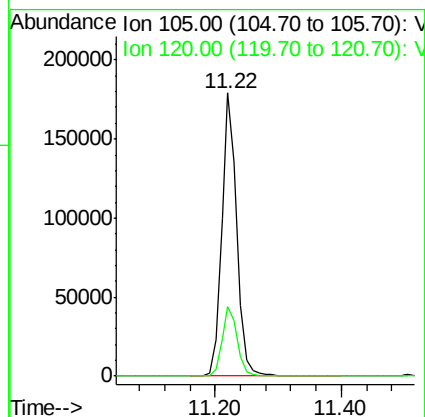
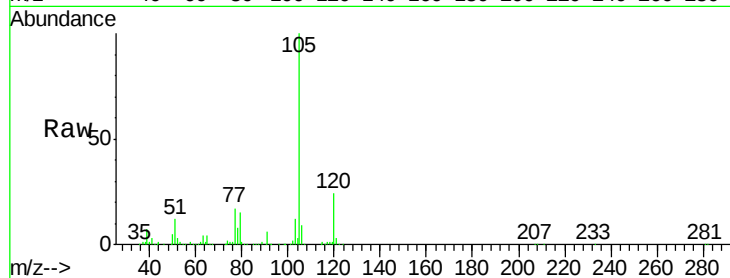
VF0719SBS01

Tot Ion:105 Resp: 298502

Ion Ratio Lower Upper

105 100

120 24.4 12.0 36.0



#74

N-ethyl acetate

Concen: 17.386 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF059546.D

Acq: 19 Jul 2018 8:13

Tgt Ion: 43 Resp: 78408

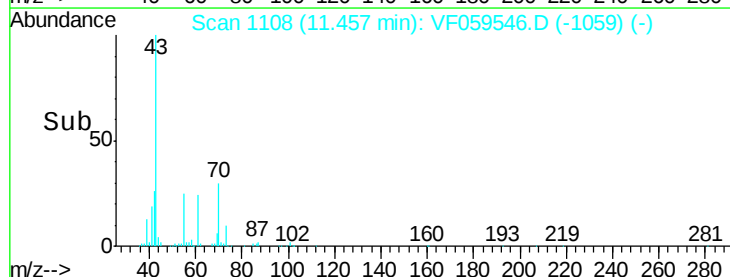
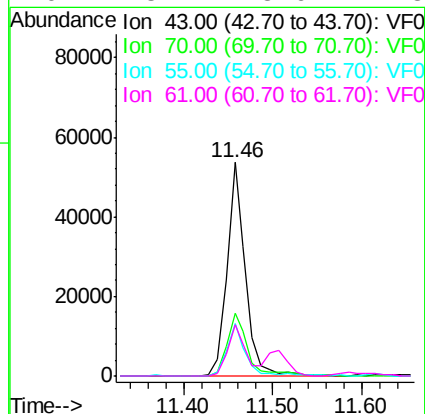
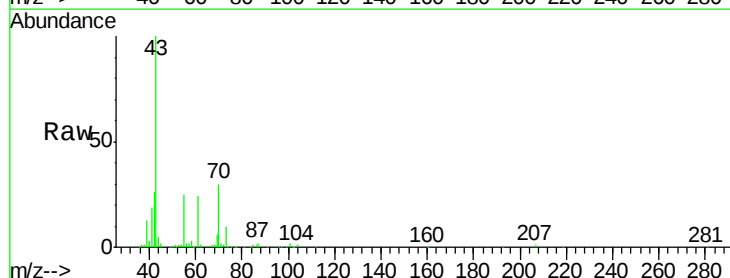
Ion Ratio Lower Upper

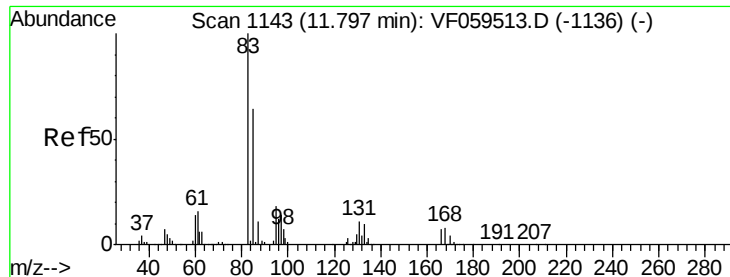
43 100

70 29.5 27.9 41.9

55 24.8 16.2 24.2#

61 23.7 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 21.064 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF059546.D

Acq: 19 Jul 2018 8:13

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS01

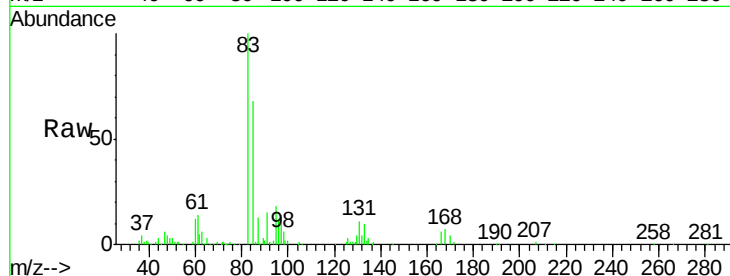
Tot Ion: 83 Resp: 64692

Ion Ratio Lower Upper

83 100

131 11.0 5.7 17.1

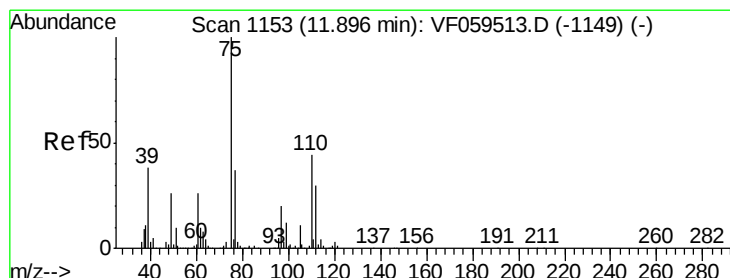
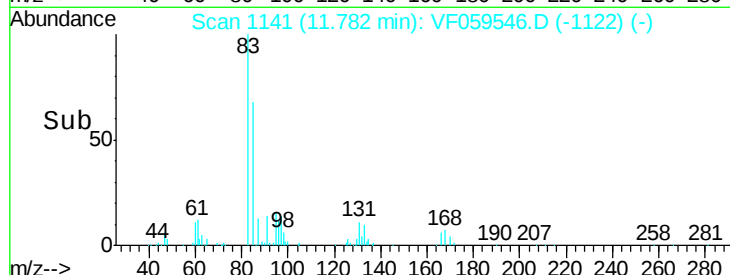
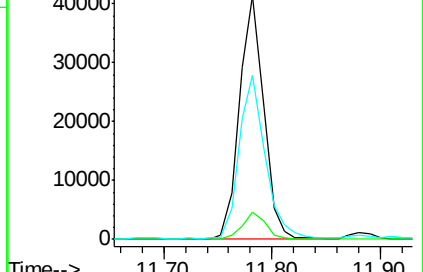
85 67.7 31.9 95.9



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: 21.279 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.01 min

Lab File: VF059546.D

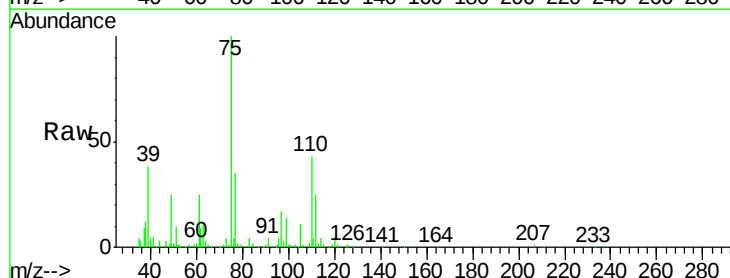
Acq: 19 Jul 2018 8:13

Tgt Ion: 75 Resp: 53368

Ion Ratio Lower Upper

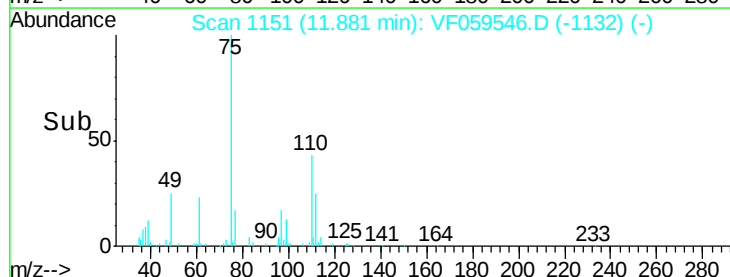
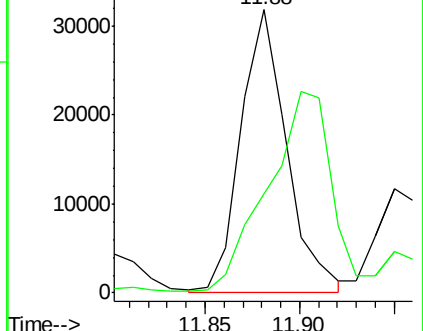
75 100

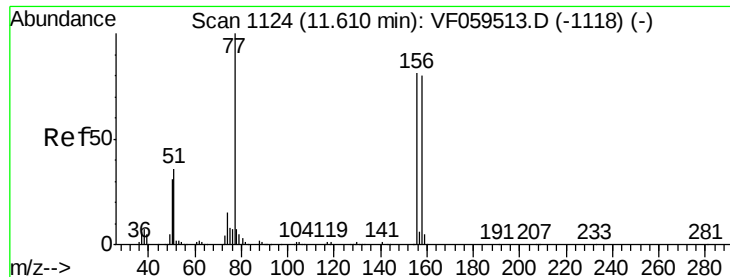
77 34.8 18.7 56.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 20.274 ug/l

RT: 11.59 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VF059546.D

Acq: 19 Jul 2018 8:13

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS01

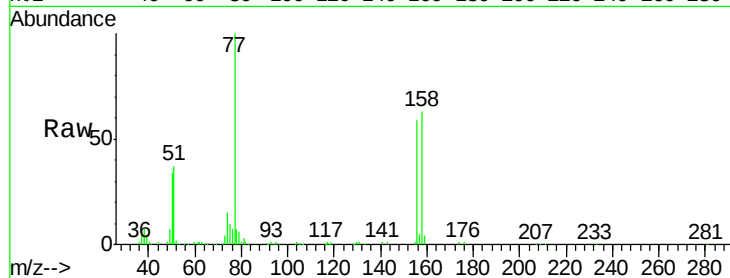
Tot Ion:156 Resp: 80020

Ion Ratio Lower Upper

156 100

77 170.6 62.0 186.0

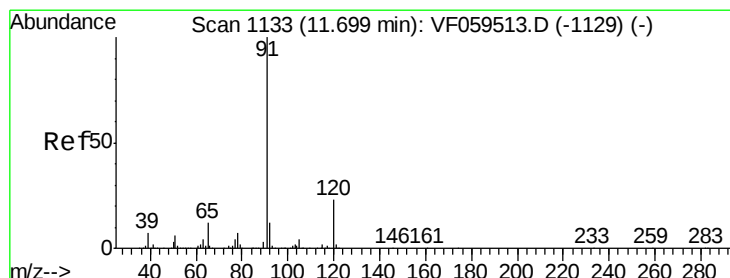
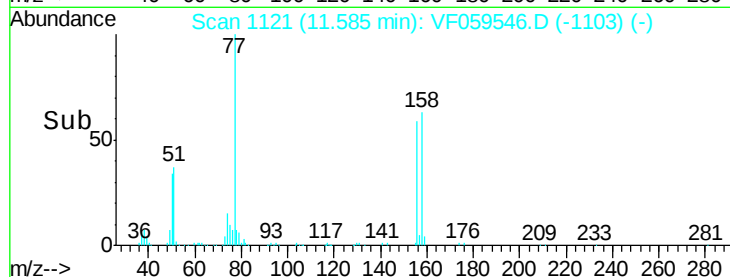
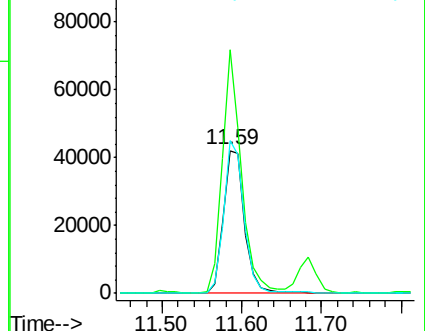
158 107.3 49.8 149.3



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: 21.884 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF059546.D

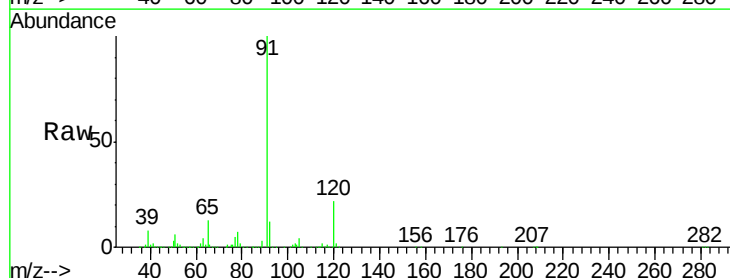
Acq: 19 Jul 2018 8:13

Tgt Ion: 91 Resp: 353479

Ion Ratio Lower Upper

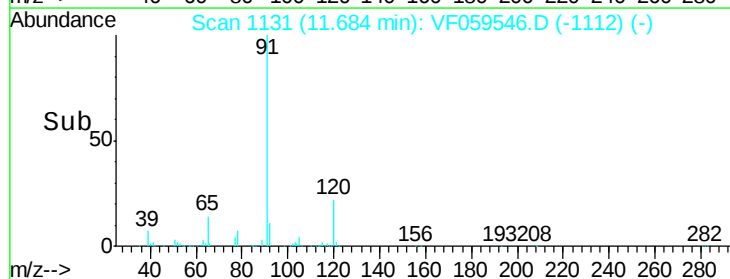
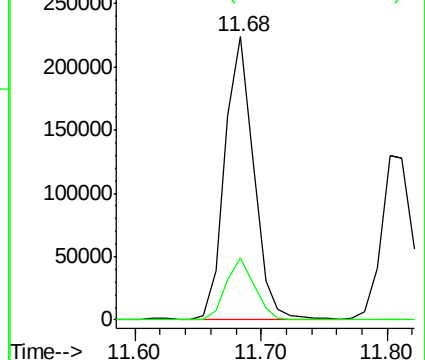
91 100

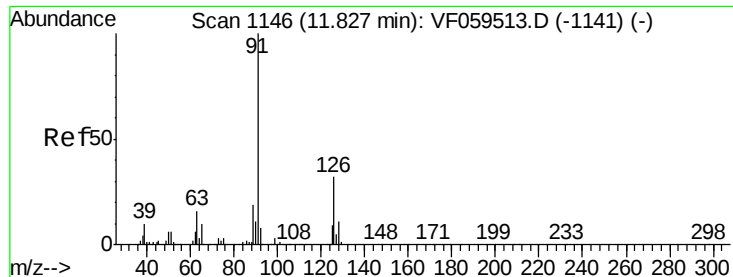
120 21.9 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.225 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.02 min

Lab File: VF059546.D

Acq: 19 Jul 2018 8:13

Instrument :

MSVOA_F

ClientSampleId :

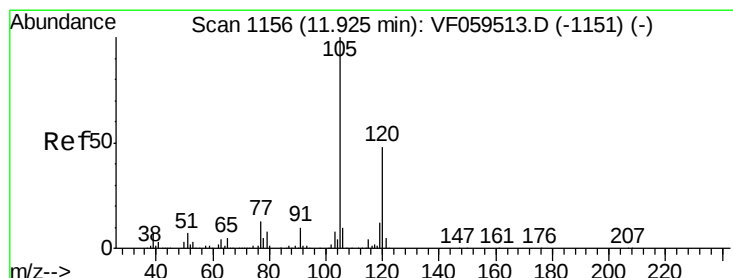
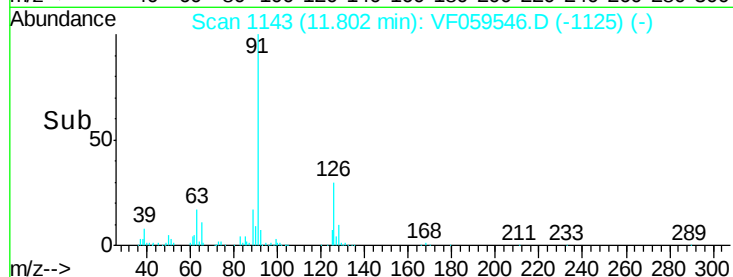
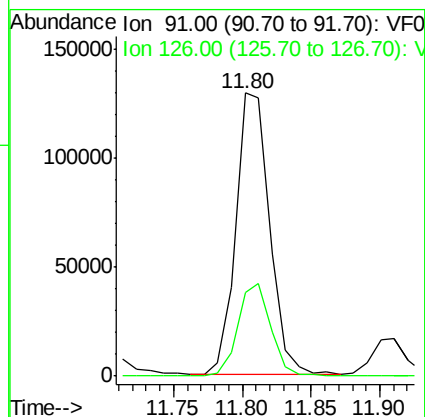
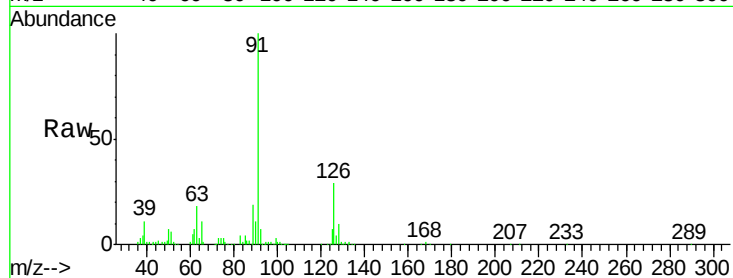
VF0719SBS01

Tot Ion: 91 Resp: 221130

Ion Ratio Lower Upper

91 100

126 29.4 15.7 47.1



#80

1,3,5-Trimethylbenzene

Concen: 22.465 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF059546.D

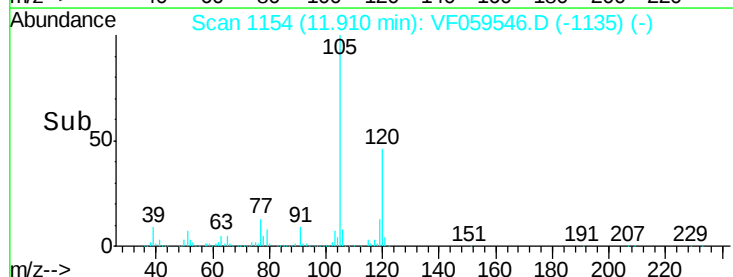
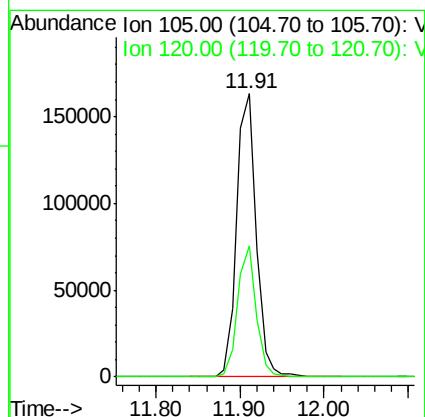
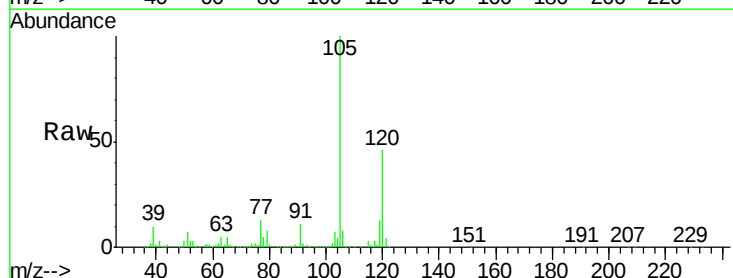
Acq: 19 Jul 2018 8:13

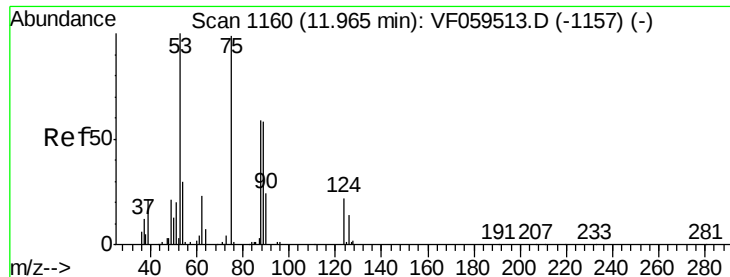
Tgt Ion:105 Resp: 265073

Ion Ratio Lower Upper

105 100

120 46.4 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 24.577 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VF059546.D

Acq: 19 Jul 2018 8:13

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS01

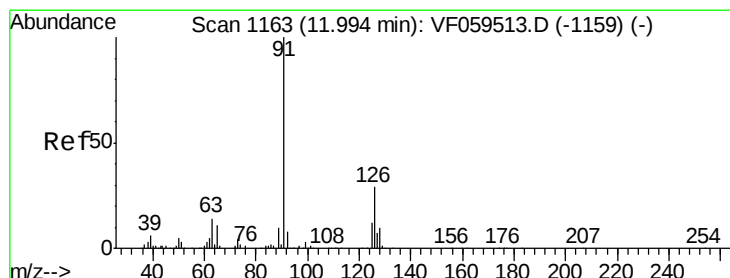
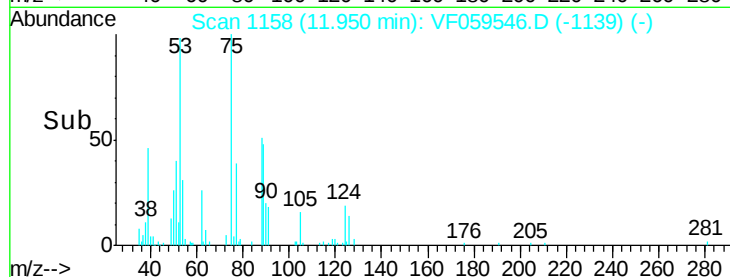
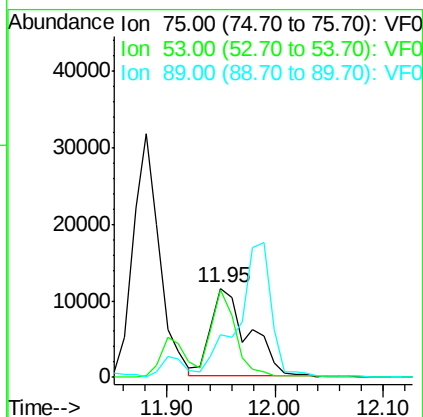
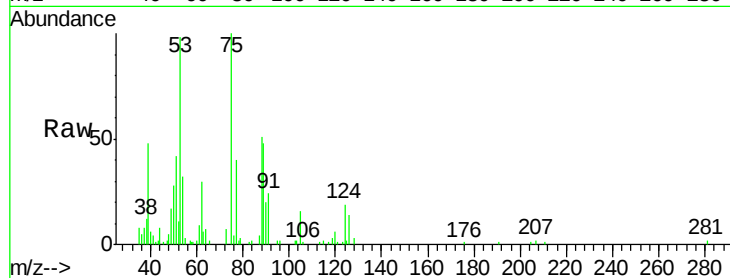
Tot Ion: 75 Resp: 28157

Ion Ratio Lower Upper

75 100

53 97.9 84.6 127.0

89 47.5 48.2 72.4#



#82

4-Chlorotoluene

Concen: 20.546 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. -0.01 min

Lab File: VF059546.D

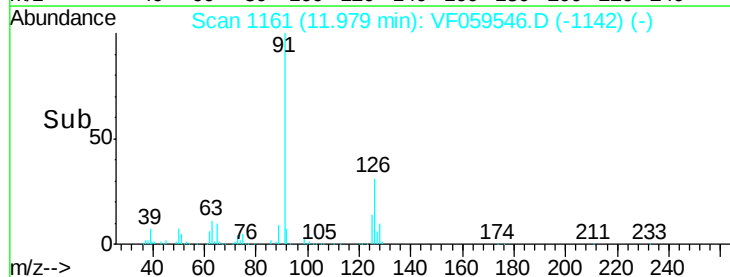
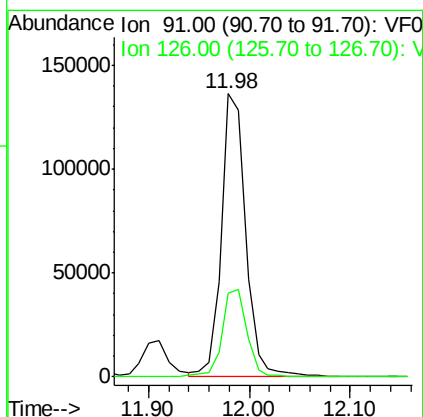
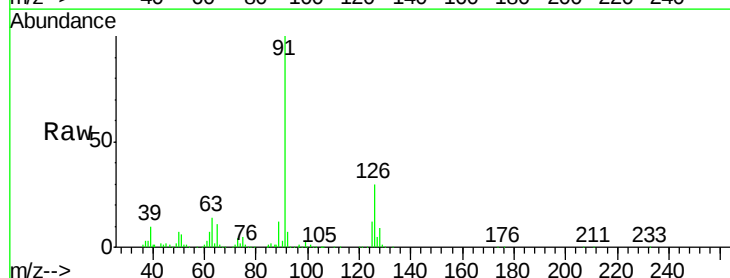
Acq: 19 Jul 2018 8:13

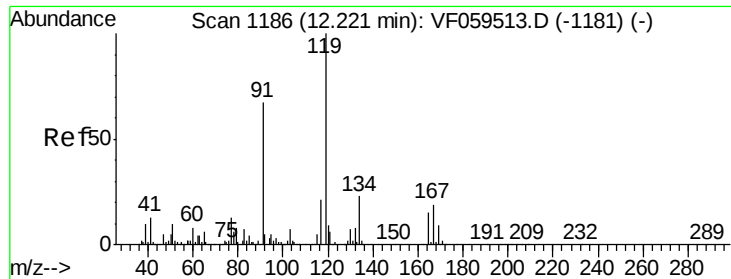
Tgt Ion: 91 Resp: 229053

Ion Ratio Lower Upper

91 100

126 29.7 14.4 43.4





#83

tert-Butylbenzene

Concen: 22.465 ug/l

RT: 12.21 min Scan# 1184

Delta R.T. -0.01 min

Lab File: VF059546.D

Acq: 19 Jul 2018 8:13

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS01

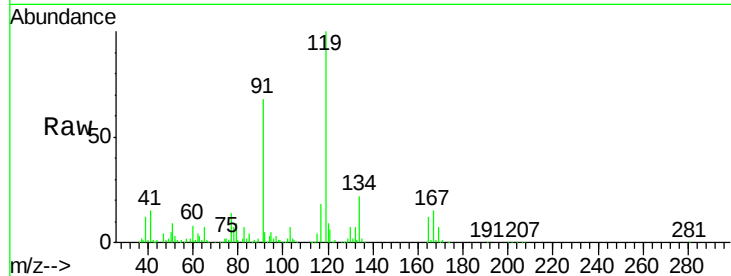
Tot Ion:119 Resp: 254398

Ion Ratio Lower Upper

119 100

91 67.9 33.5 100.5

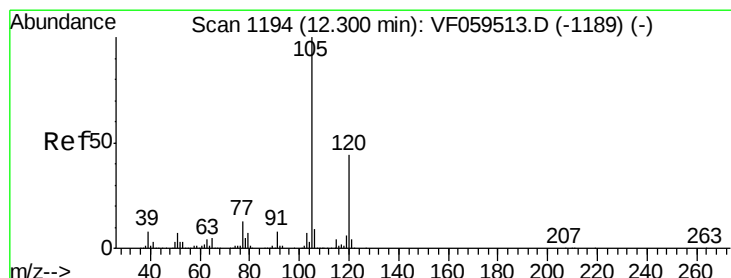
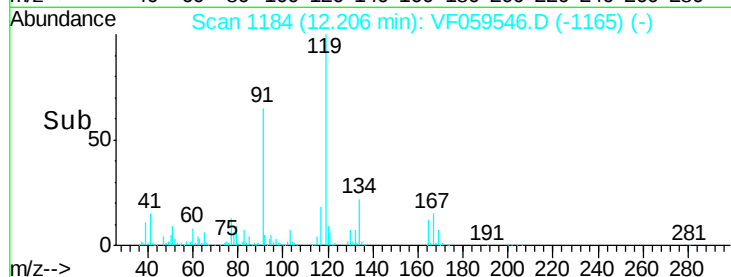
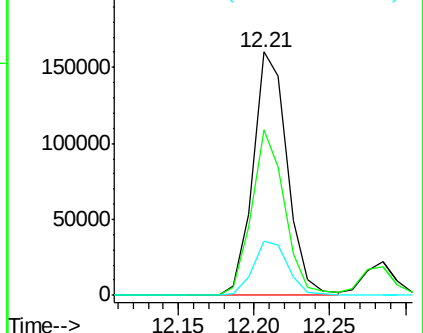
134 22.4 11.3 33.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 22.562 ug/l

RT: 12.28 min Scan# 1192

Delta R.T. -0.01 min

Lab File: VF059546.D

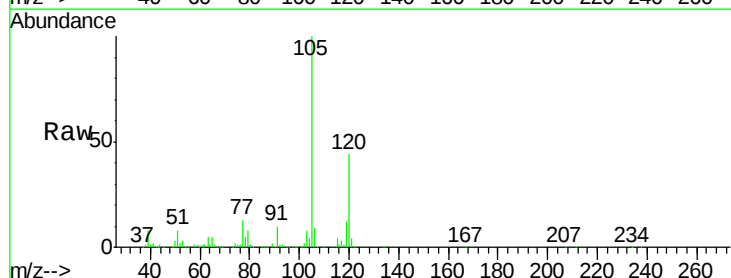
Acq: 19 Jul 2018 8:13

Tgt Ion:105 Resp: 273890

Ion Ratio Lower Upper

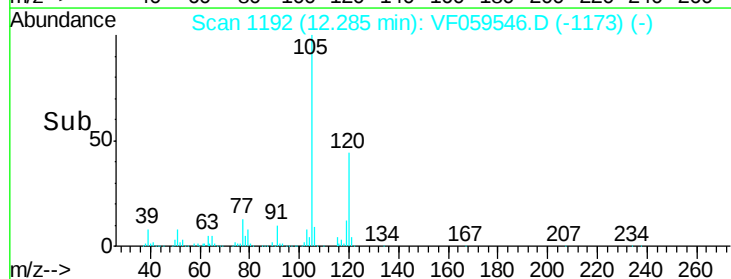
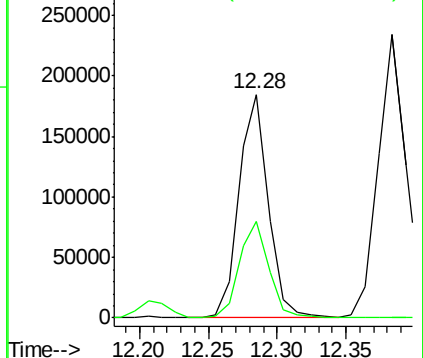
105 100

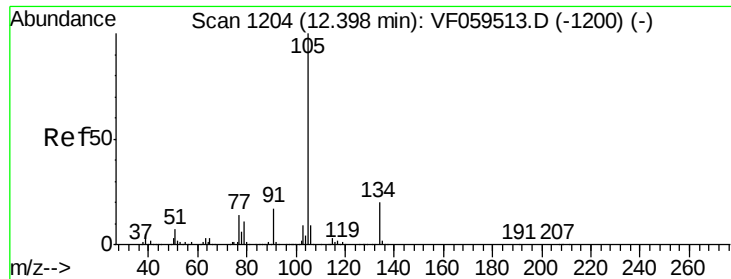
120 43.5 22.5 67.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 23.315 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VF059546.D

Acq: 19 Jul 2018 8:13

Instrument :

MSVOA_F

ClientSampleId :

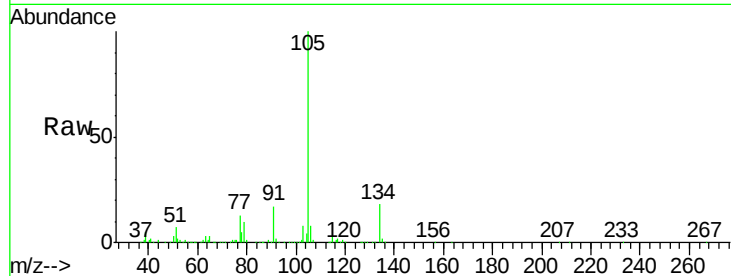
VF0719SBS01

Tot Ion:105 Resp: 335782

Ion Ratio Lower Upper

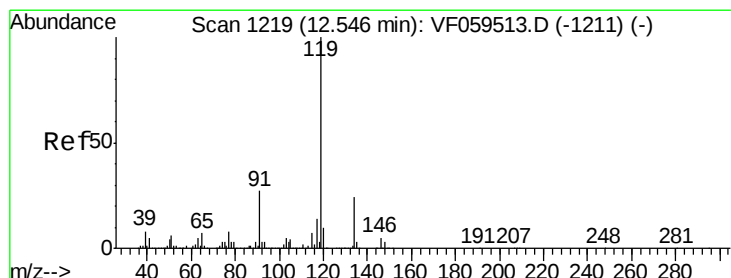
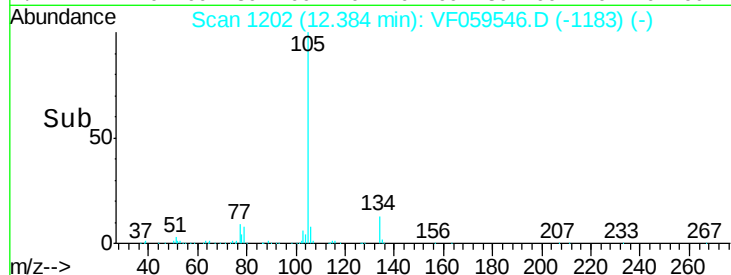
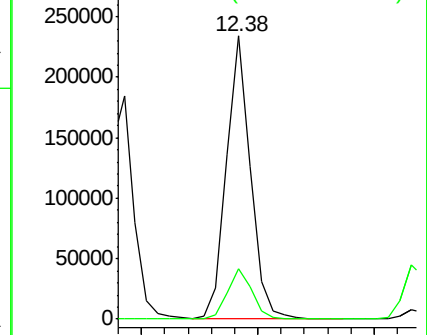
105 100

134 17.7 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.943 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VF059546.D

Acq: 19 Jul 2018 8:13

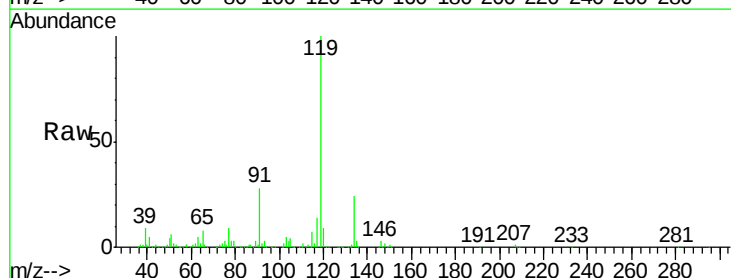
Tgt Ion:119 Resp: 274955

Ion Ratio Lower Upper

119 100

134 23.6 12.0 36.0

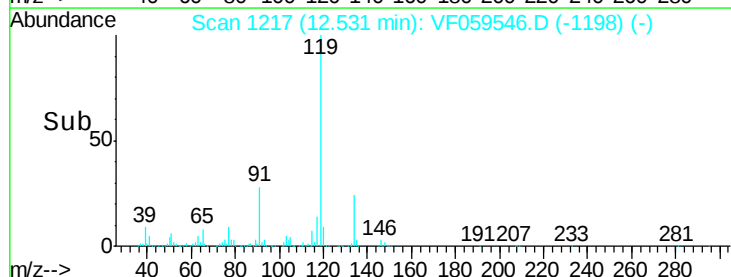
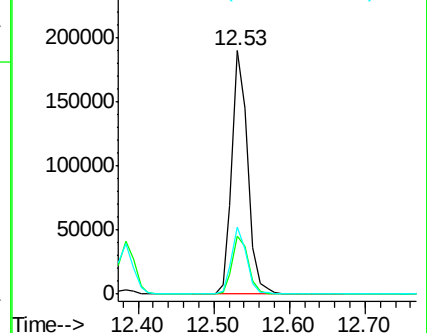
91 27.8 13.5 40.4

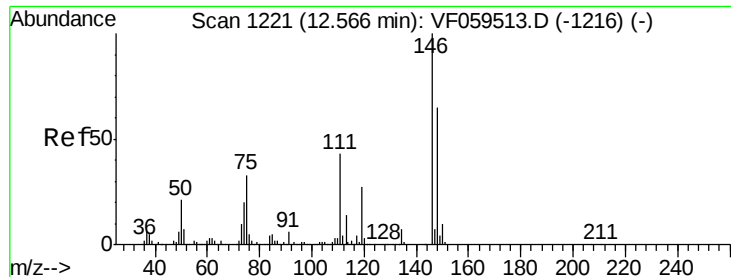


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

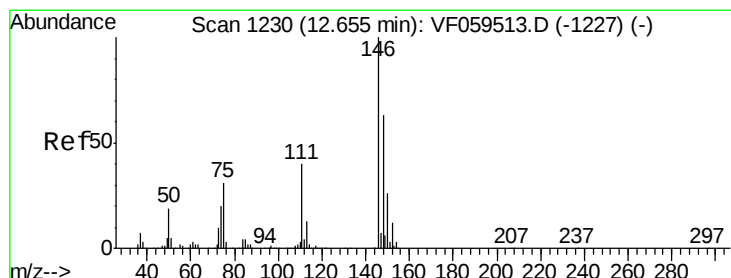
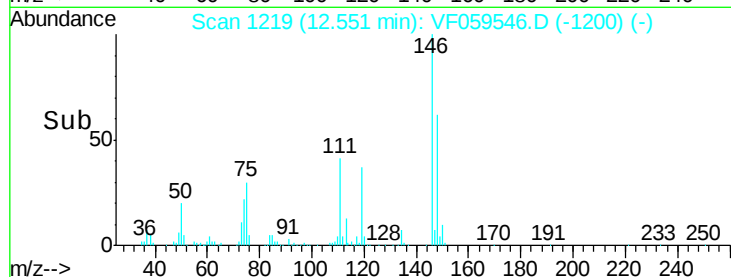
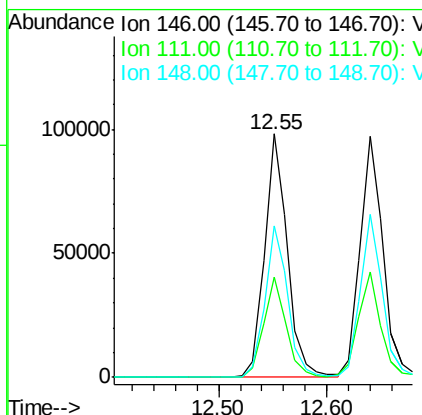
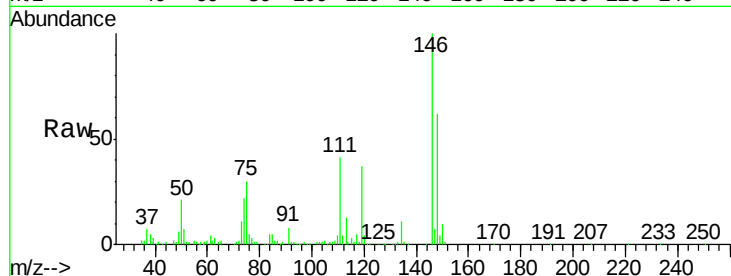




#87
 1,3-Dichlorobenzene
 Concen: 21.542 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: VF059546.D
 Acq: 19 Jul 2018 8:13

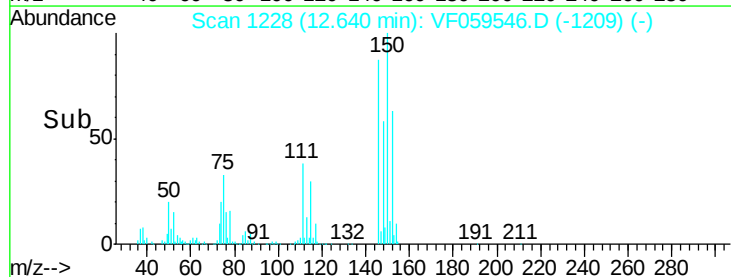
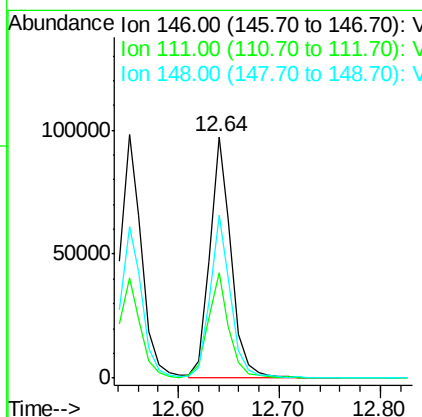
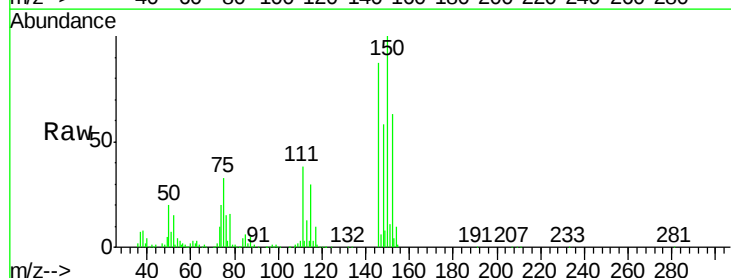
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0719SBSD01

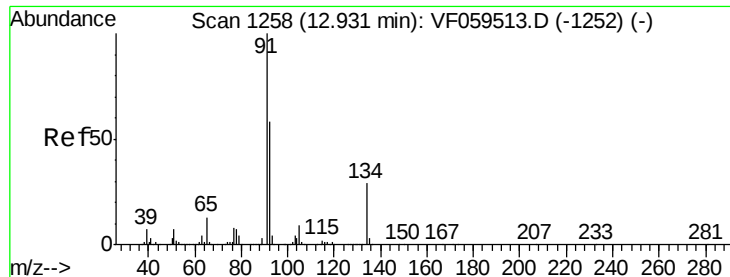
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.4	64.3
148	62.1	32.7	98.1



#88
 1,4-Dichlorobenzene
 Concen: 21.511 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VF059546.D
 Acq: 19 Jul 2018 8:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.7	20.0	59.9
148	67.4	31.5	94.5





#89

n-Butylbenzene

Concen: 23.230 ug/l

RT: 12.92 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VF059546.D

Acq: 19 Jul 2018 8:13

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS01

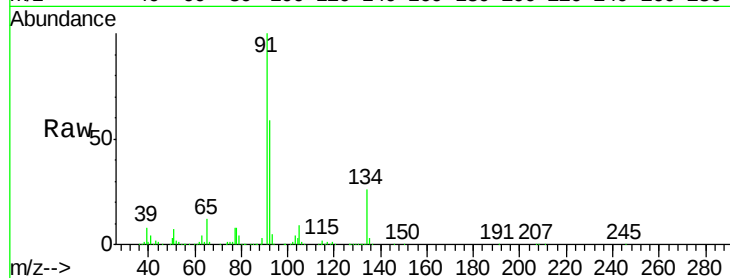
Tot Ion: 91 Resp: 272420

Ion Ratio Lower Upper

91 100

92 58.7 29.1 87.3

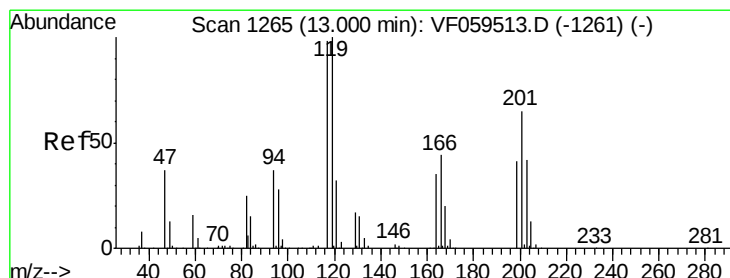
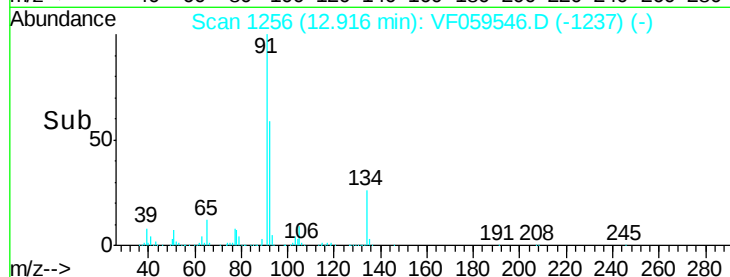
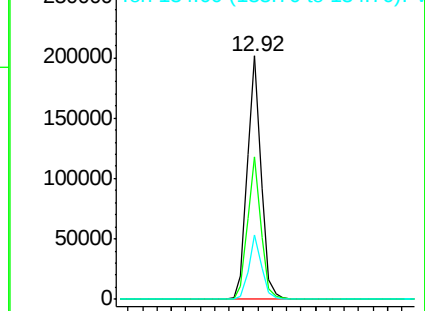
134 26.3 14.3 42.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 23.661 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VF059546.D

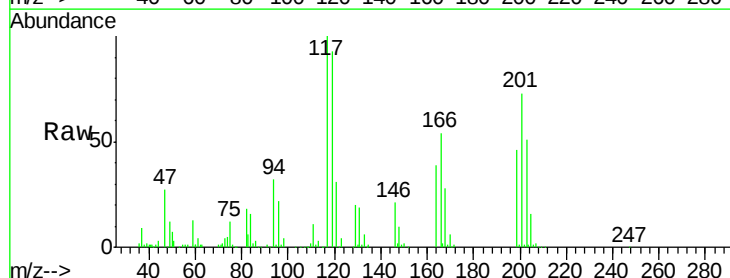
Acq: 19 Jul 2018 8:13

Tgt Ion: 117 Resp: 67349

Ion Ratio Lower Upper

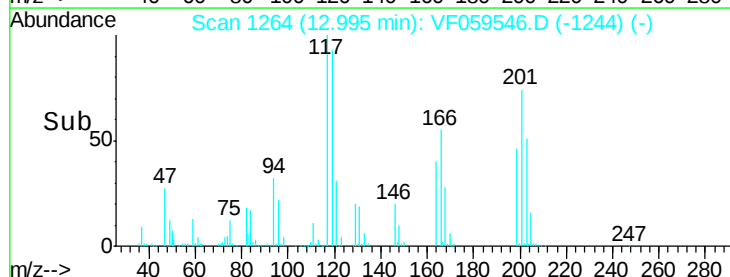
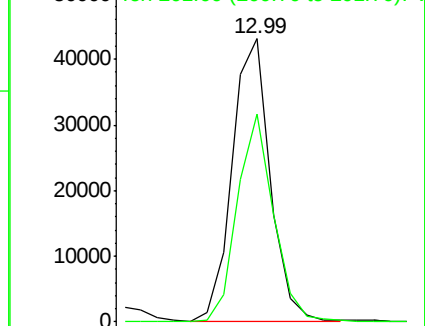
117 100

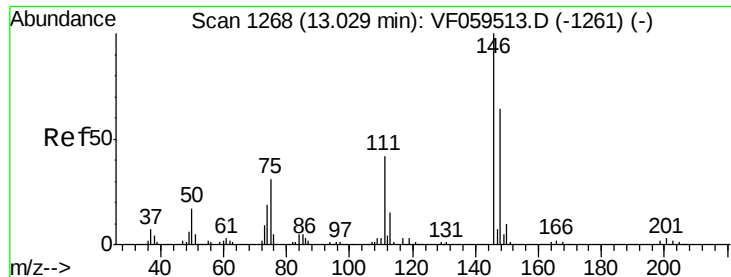
201 73.3 32.6 98.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 22.128 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. -0.01 min

Lab File: VF059546.D

Acq: 19 Jul 2018 8:13

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS01

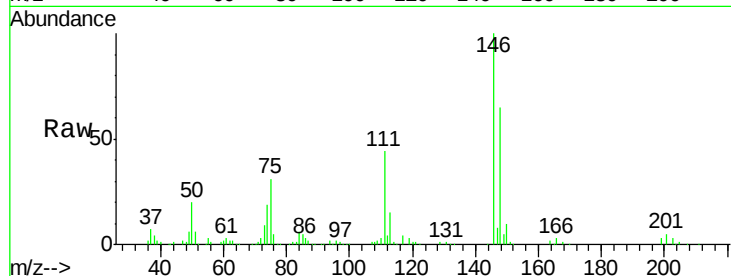
Tot Ion:146 Resp: 143303

Ion Ratio Lower Upper

146 100

111 44.2 21.1 63.1

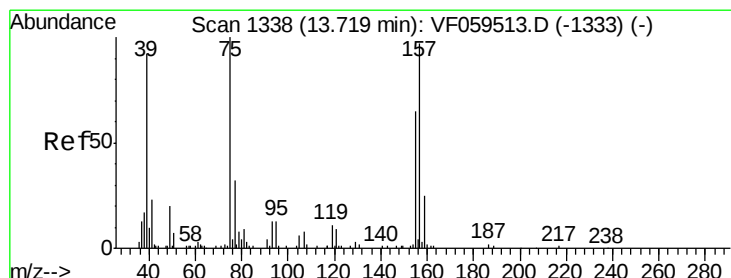
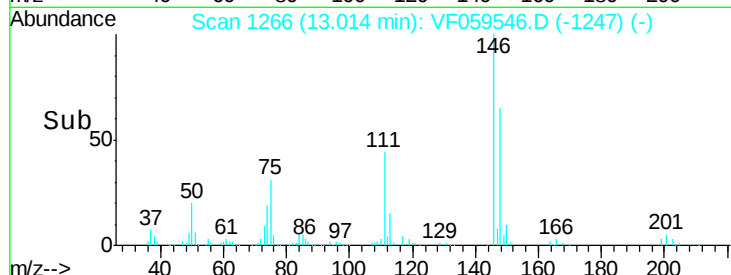
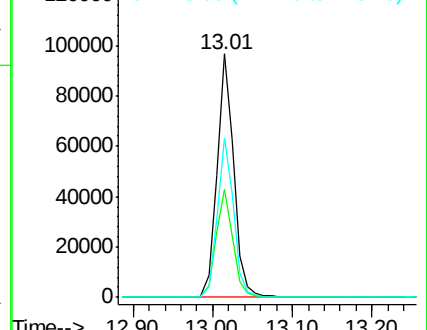
148 65.2 32.3 96.8



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: 21.306 ug/l

RT: 13.71 min Scan# 1337

Delta R.T. -0.01 min

Lab File: VF059546.D

Acq: 19 Jul 2018 8:13

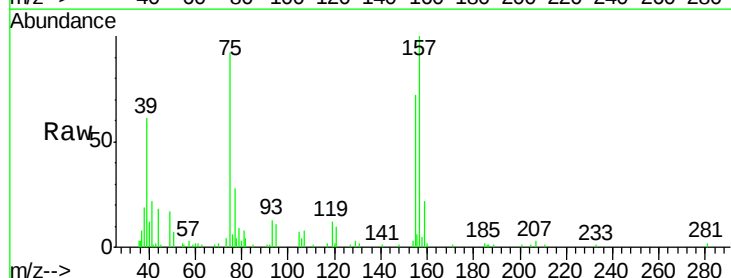
Tgt Ion: 75 Resp: 14825

Ion Ratio Lower Upper

75 100

155 78.8 32.8 98.3

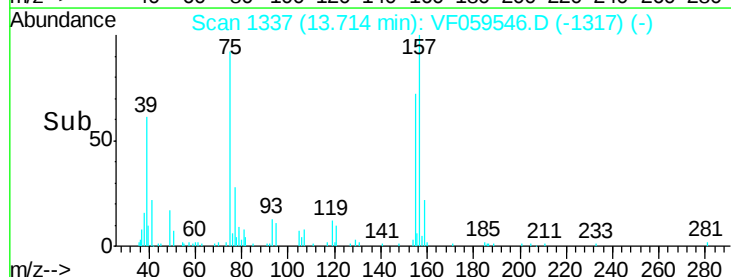
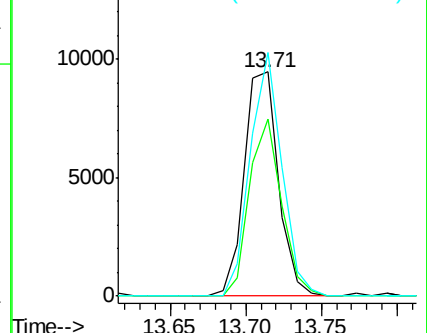
157 108.7 48.5 145.5

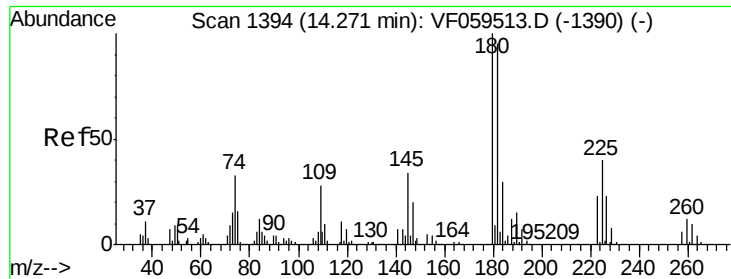


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

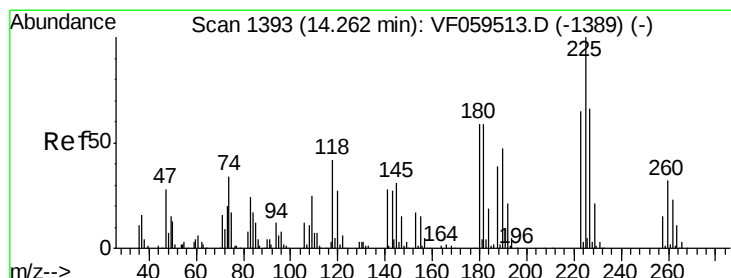
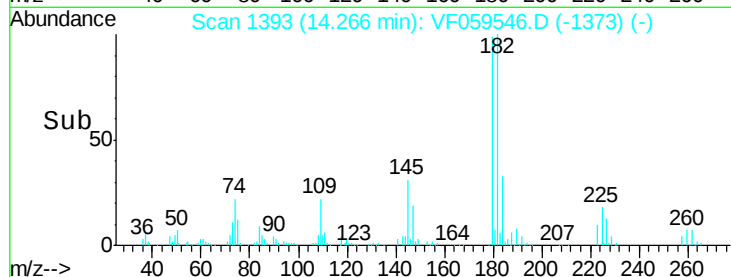
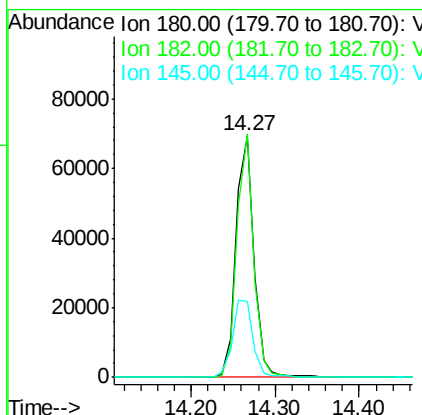
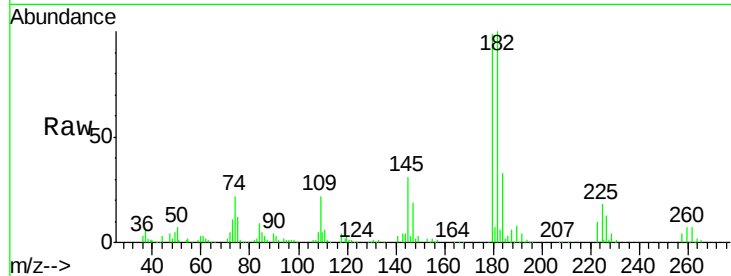




#93
 1,2,4-Trichlorobenzene
 Concen: 26.015 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF059546.D
 Acq: 19 Jul 2018 8:13

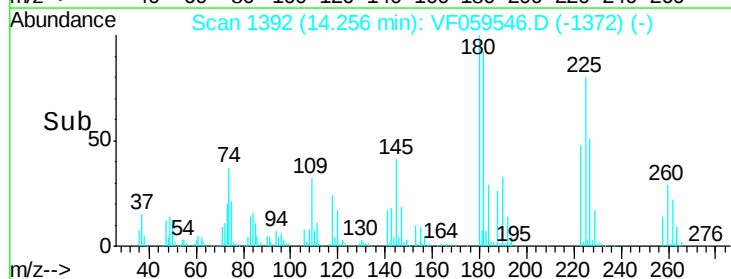
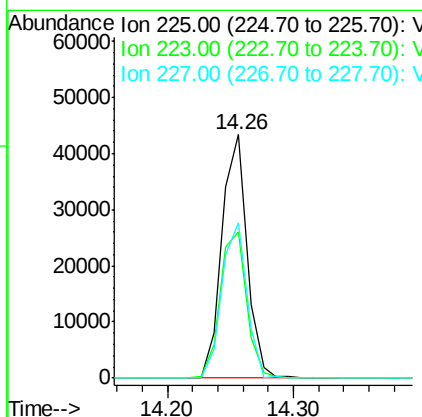
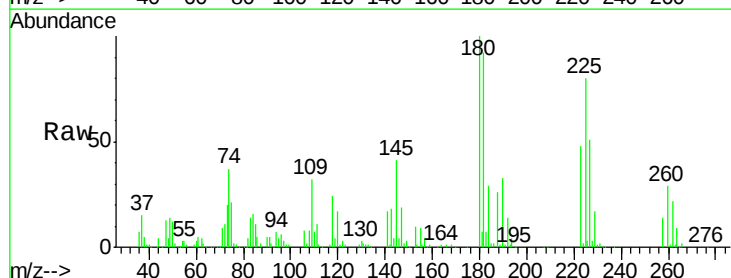
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0719SBS01

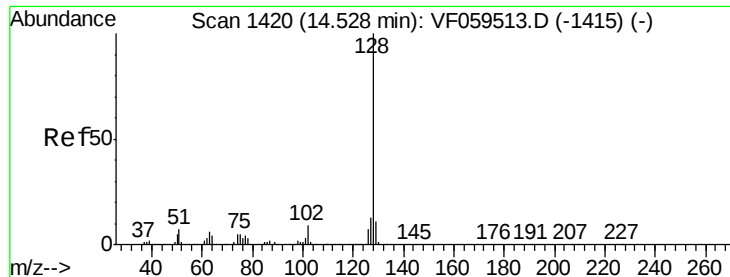
Tot Ion	Ratio	Lower	Upper
180	100		
182	101.0	47.5	142.5
145	31.7	17.3	51.7



#94
 Hexachlorobutadiene
 Concen: 29.692 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF059546.D
 Acq: 19 Jul 2018 8:13

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.2	32.3	96.8
227	64.0	33.2	99.6





#95

Naphthalene

Concen: 23.448 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.01 min

Lab File: VF059546.D

Acq: 19 Jul 2018 8:13

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS01

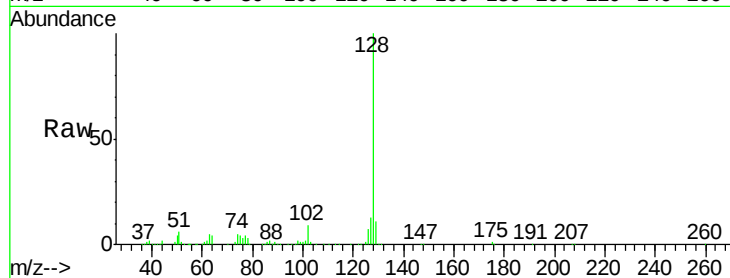
Tot Ion:128 Resp: 191678

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.2

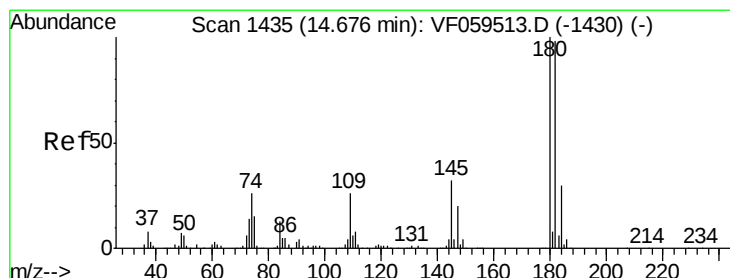
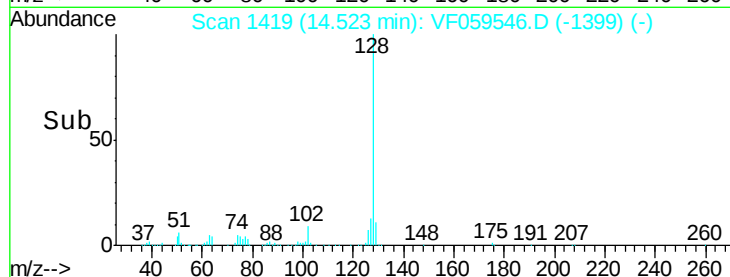
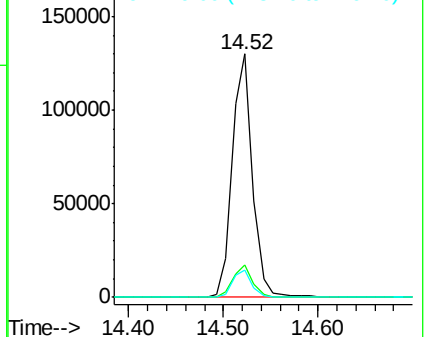
129 11.2 9.0 13.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 27.416 ug/l

RT: 14.66 min Scan# 1433

Delta R.T. -0.01 min

Lab File: VF059546.D

Acq: 19 Jul 2018 8:13

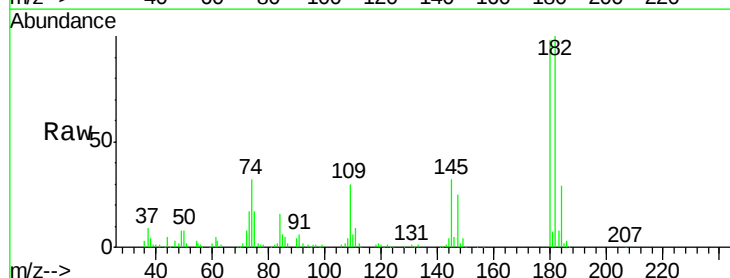
Tgt Ion:180 Resp: 97477

Ion Ratio Lower Upper

180 100

182 102.5 48.8 146.4

145 32.8 16.2 48.6



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

