

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062618\
 Data File : VF059316.D
 Acq On : 26 Jun 2018 14:55
 Operator : VA/AP
 Sample : J3664-07MS
 Misc : 7.37g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB476-25-27-180619MS

Quant Time: Jun 27 02:19:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	262793	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	412315	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.89	117	415982	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.61	152	251453	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.99	65	163719	48.22	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	96.44%	
35) Dibromofluoromethane	4.28	113	140545	46.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.30%	
50) Toluene-d8	7.69	98	357631	47.95	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	95.90%	
62) 4-Bromofluorobenzene	11.49	95	196260	46.64	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	93.28%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.98	85	117785	49.057	ug/l	93
3) Chloromethane	1.08	50	78264	48.520	ug/l	100
4) Vinyl Chloride	1.15	62	80956	50.988	ug/l	95
5) Bromomethane	1.34	94	52418	59.340	ug/l	97
6) Chloroethane	1.42	64	40954	51.213	ug/l	98
7) Trichlorofluoromethane	1.48	101	64893	20.669	ug/l	89
8) Diethyl Ether	1.69	74	37292	46.324	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.89	101	92497	50.471	ug/l	96
10) Methyl Iodide	1.95	142	169327	50.667	ug/l	93
11) Tert butyl alcohol	2.67	59	51607	228.315	ug/l	98
12) 1,1-Dichloroethene	1.85	96	84510	54.546	ug/l	98
13) Acrolein	2.08	56	16659	146.568	ug/l	93
14) Allyl chloride	2.18	41	152988	52.603	ug/l	99
15) Acrylonitrile	3.05	53	103972	261.209	ug/l	91
16) Acetone	2.32	43	323063	386.563	ug/l	95
17) Carbon Disulfide	1.83	76	51202	14.049	ug/l	99
18) Methyl Acetate	2.43	43	97816	64.159	ug/l #	92
19) Methyl tert-butyl Ether	2.52	73	311187	53.848	ug/l	93
20) Methylene Chloride	2.26	84	48503	21.220	ug/l	94
21) trans-1,2-Dichloroethene	2.40	96	84283	50.996	ug/l	98
22) Diisopropyl ether	2.91	45	329526	51.166	ug/l	97
23) Vinyl Acetate	3.31	43	999647	243.723	ug/l	99
24) 1,1-Dichloroethane	2.98	63	206626	51.746	ug/l	100
25) 2-Butanone	4.49	43	313417	305.761	ug/l	99
26) 2,2-Dichloropropane	3.74	77	146903	53.340	ug/l	97
27) cis-1,2-Dichloroethene	3.61	96	136762	54.502	ug/l	87
28) Bromochloromethane	3.87	49	83496	54.863	ug/l	92
29) Tetrahydrofuran	4.23	42	129533	298.332	ug/l	98
30) Chloroform	4.01	83	304649	52.701	ug/l	99
31) Cyclohexane	3.84	56	135380	51.754	ug/l	98
32) 1,1,1-Trichloroethane	4.26	97	232628	54.992	ug/l	97
36) 1,1-Dichloropropene	4.43	75	194680	54.049	ug/l	98
37) Ethyl Acetate	4.27	43	125798	54.737	ug/l	86
38) Carbon Tetrachloride	4.15	117	264665	58.225	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	157552	49.361	ug/l	97
40) Benzene	4.79	78	398242	49.866	ug/l	99
41) Methacrylonitrile	4.90	41	60611	49.331	ug/l	89
42) 1,2-Dichloroethane	5.09	62	239748	51.375	ug/l	99
43) Isopropyl Acetate	7.09	43	159960	53.316	ug/l #	97
44) Trichloroethene	5.66	130	136840	49.949	ug/l	99
45) 1,2-Dichloropropane	6.38	63	123691	54.209	ug/l	98
46) Dibromomethane	6.24	93	103301	52.161	ug/l	96
47) Bromodichloromethane	6.52	83	246144	51.345	ug/l	98
48) Methyl methacrylate	6.85	41	110223	54.815	ug/l	88
49) 1,4-Dioxane	6.84	88	10577	985.222	ug/l	95
51) 4-Methyl-2-Pentanone	8.39	43	615799	277.049	ug/l	99
52) Toluene	7.75	92	304000	50.871	ug/l	94
53) t-1,3-Dichloropropene	8.41	75	232415	53.187	ug/l	100
54) cis-1,3-Dichloropropene	7.44	75	249537	52.573	ug/l	98
55) 1,1,2-Trichloroethane	8.61	97	123757	53.338	ug/l	95
56) Ethyl methacrylate	8.74	69	160700	55.910	ug/l	98
57) 1,3-Dichloropropane	8.98	76	216861	54.497	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.75	63	54461	252.643	ug/l #	100
59) 2-Hexanone	9.61	43	462435	278.888	ug/l	99
60) Dibromochloromethane	8.85	129	195882	54.684	ug/l	88
61) 1,2-Dibromoethane	9.12	107	150498	53.483	ug/l	97
64) Tetrachloroethene	8.29	164	143433	53.163	ug/l	97
65) Chlorobenzene	9.92	112	381337	49.472	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.05	131	163284	48.978	ug/l	95
67) Ethyl Benzene	10.02	91	645276	49.346	ug/l	98
68) m/p-Xylenes	10.25	106	465276	99.967	ug/l	98
69) o-Xylene	10.81	106	264820	50.869	ug/l	97
70) Styrene	10.89	104	389438	49.109	ug/l	97
71) Bromoform	10.87	173	122978	53.818	ug/l	99
73) Isopropylbenzene	11.21	105	780153	53.256	ug/l	97
74) N-amyl acetate	11.45	43	271183	51.013	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	196916	53.226	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	147466	52.841	ug/l	98
77) Bromobenzene	11.58	156	207608	51.081	ug/l	91
78) n-propylbenzene	11.68	91	897446	51.012	ug/l	100
79) 2-Chlorotoluene	11.80	91	553593	51.504	ug/l	96
80) 1,3,5-Trimethylbenzene	11.89	105	653786	50.949	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.94	75	89864	54.102	ug/l	92
82) 4-Chlorotoluene	11.97	91	562740	48.880	ug/l	90
83) tert-Butylbenzene	12.20	119	643258	50.121	ug/l	95
84) 1,2,4-Trimethylbenzene	12.27	105	685319	50.710	ug/l	97
85) sec-Butylbenzene	12.38	105	829648	48.768	ug/l	99
86) p-Isopropyltoluene	12.53	119	701279	49.121	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	356050	53.372	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	365121	50.304	ug/l	97
89) n-Butylbenzene	12.91	91	705077	48.649	ug/l	98
90) Hexachloroethane	12.98	117	181226	50.931	ug/l	81
91) 1,2-Dichlorobenzene	13.01	146	366335	49.650	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.70	75	42212	51.470	ug/l	76

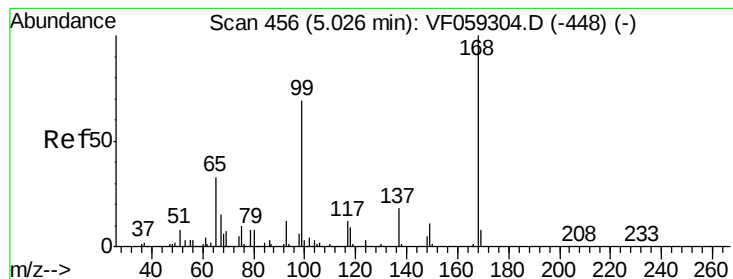
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF062618\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	270330	49.550	ug/l	96
94) Hexachlorobutadiene	14.24	225	150079	49.249	ug/l	96
95) Naphthalene	14.51	128	609448	53.392	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	256119	49.556	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 456

Delta R.T. -0.00 min

Lab File: VF059316.D

Acq: 26 Jun 2018 14:55

Instrument :

MSVOA_F

ClientSampleId :

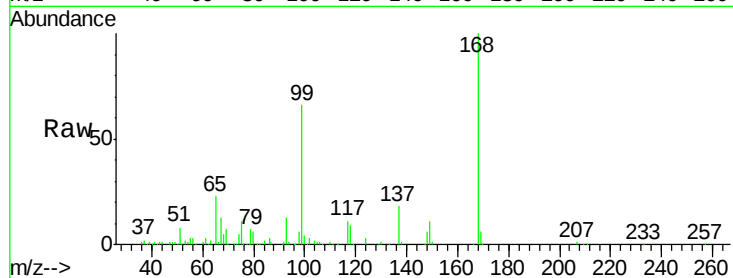
WP021SB476-25-27-180619MS

Tot Ion:168 Resp: 262793

Ion Ratio Lower Upper

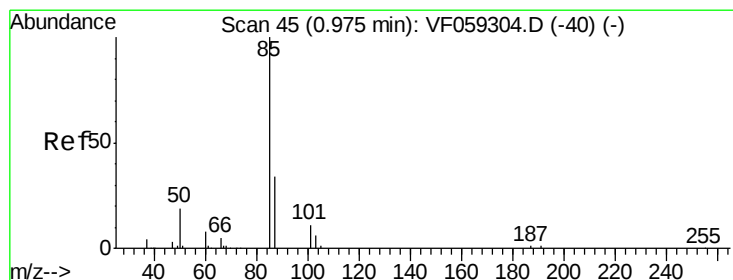
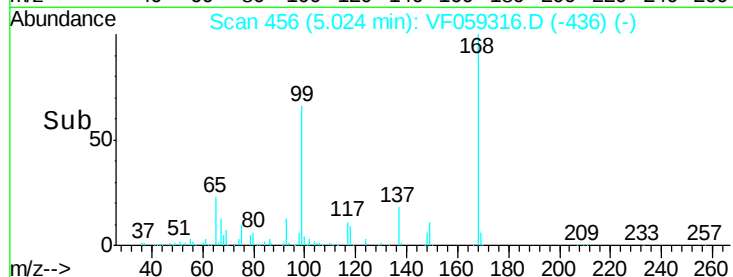
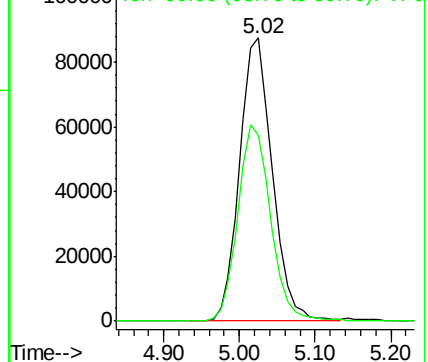
168 100

99 65.8 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 49.057 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.01 min

Lab File: VF059316.D

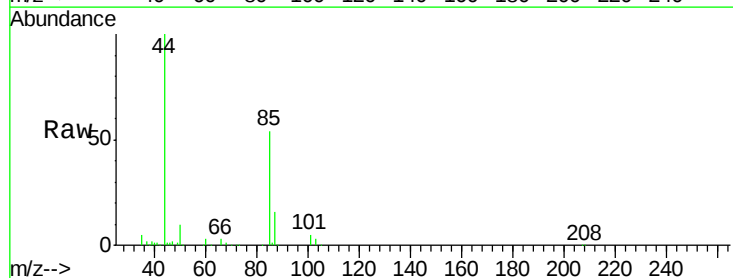
Acq: 26 Jun 2018 14:55

Tgt Ion: 85 Resp: 117785

Ion Ratio Lower Upper

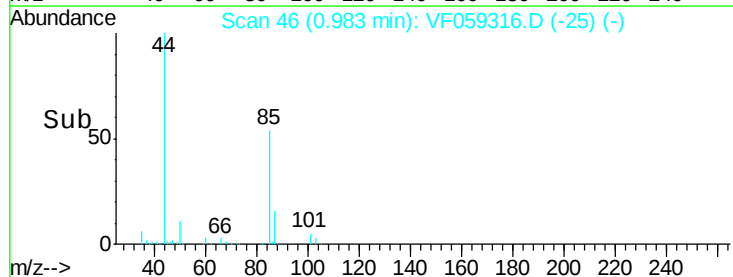
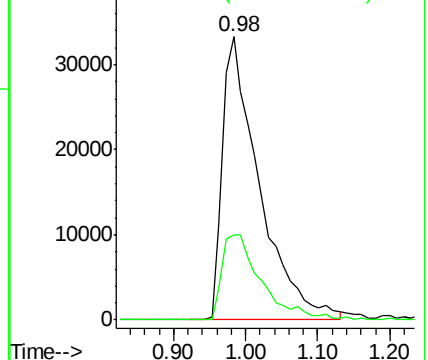
85 100

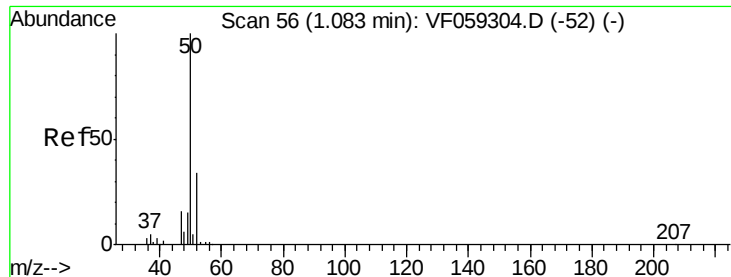
87 30.1 17.1 51.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 48.520 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059316.D

Acq: 26 Jun 2018 14:55

Instrument :

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ClientSampleId :

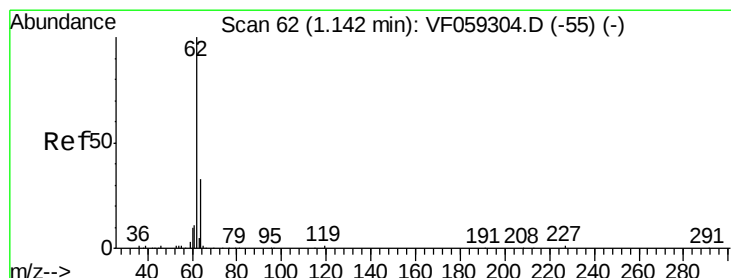
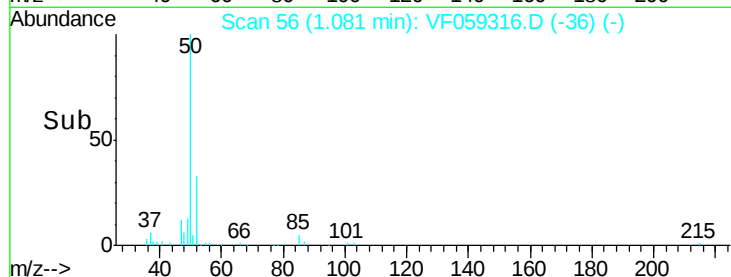
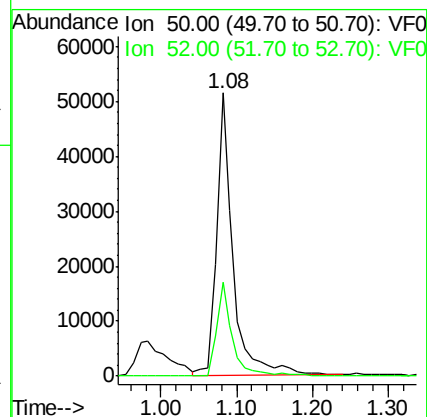
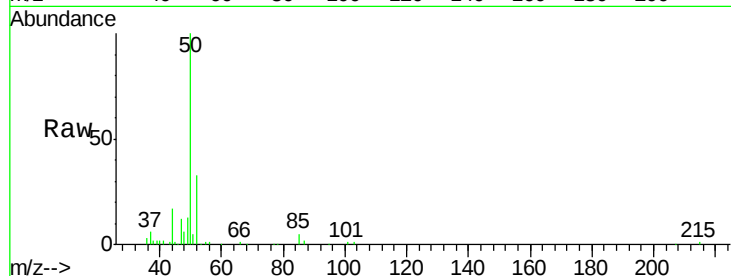
WP021SB476-25-27-180619MS

Tot Ion: 50 Resp: 78264

Ion Ratio Lower Upper

50 100

52 33.3 26.7 40.1



#4

Vinyl Chloride

Concen: 50.988 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.01 min

Lab File: VF059316.D

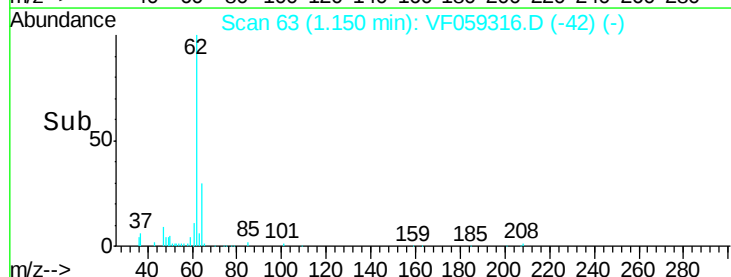
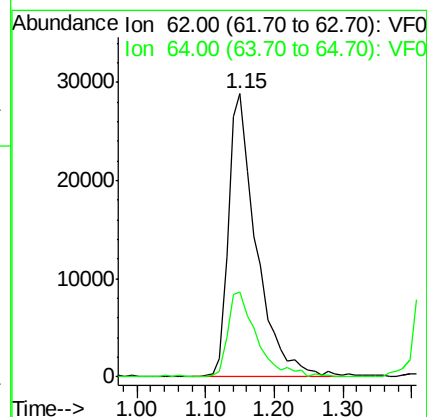
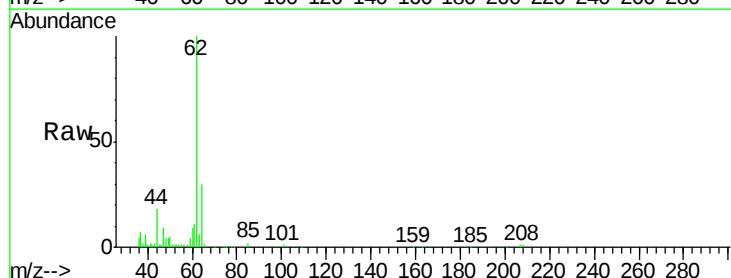
Acq: 26 Jun 2018 14:55

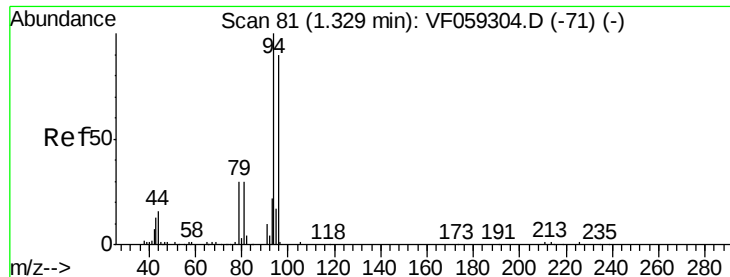
Tgt Ion: 62 Resp: 80956

Ion Ratio Lower Upper

62 100

64 29.8 26.3 39.5





#5

Bromomethane

Concen: 59.340 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.01 min

Lab File: VF059316.D

Acq: 26 Jun 2018 14:55

Instrument :

MSVOA_F

ClientSampleId :

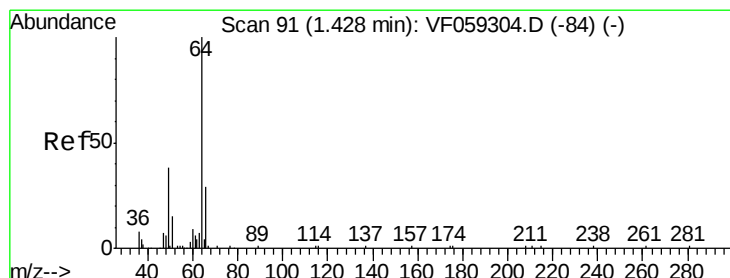
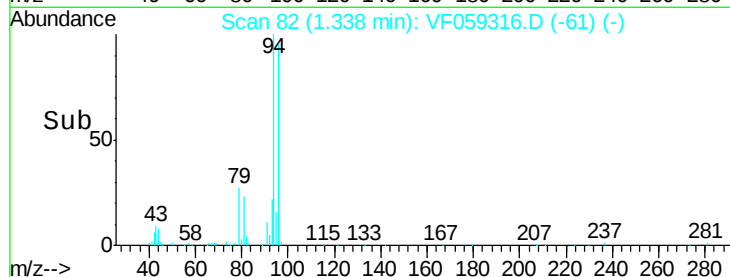
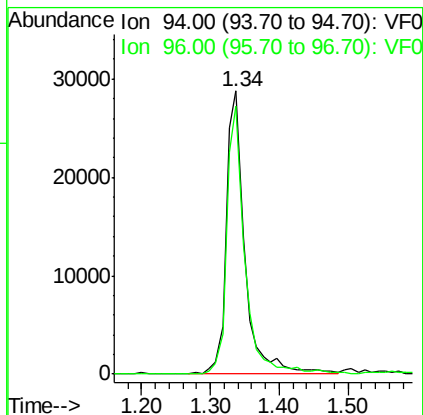
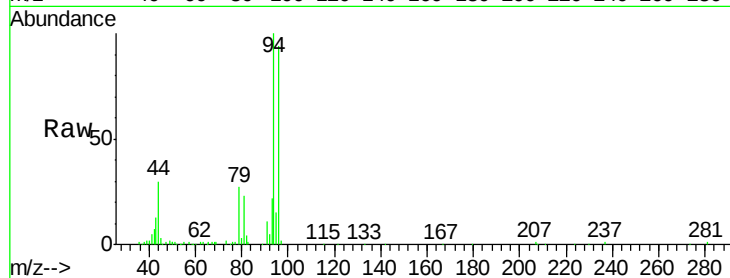
WP021SB476-25-27-180619MS

Tot Ion: 94 Resp: 52418

Ion Ratio Lower Upper

94 100

96 94.5 73.4 110.0



#6

Chloroethane

Concen: 51.213 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.01 min

Lab File: VF059316.D

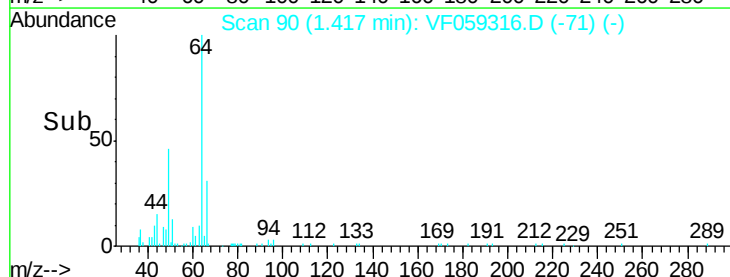
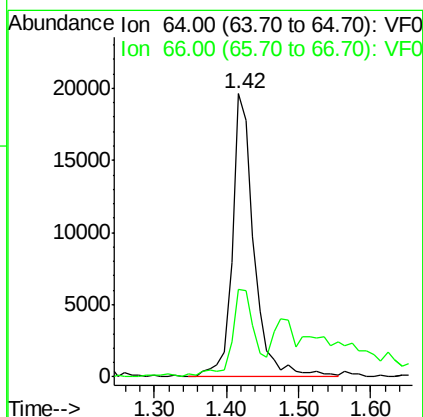
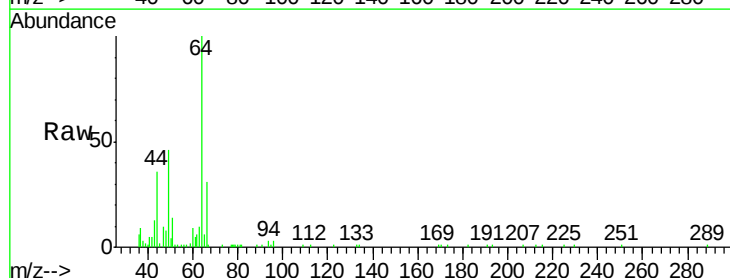
Acq: 26 Jun 2018 14:55

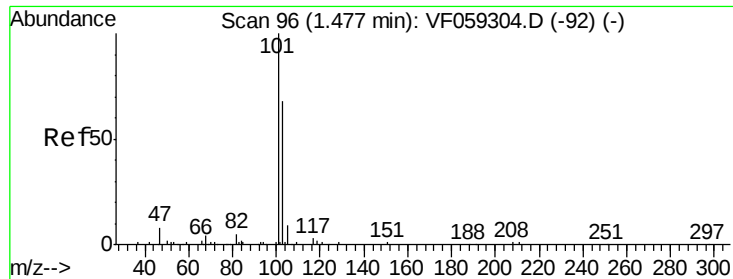
Tgt Ion: 64 Resp: 40954

Ion Ratio Lower Upper

64 100

66 31.0 23.9 35.9





#7

Trichlorofluoromethane

Concen: 20.669 ug/l

RT: 1.48 min Scan# 96

Delta R.T. -0.00 min

Lab File: VF059316.D

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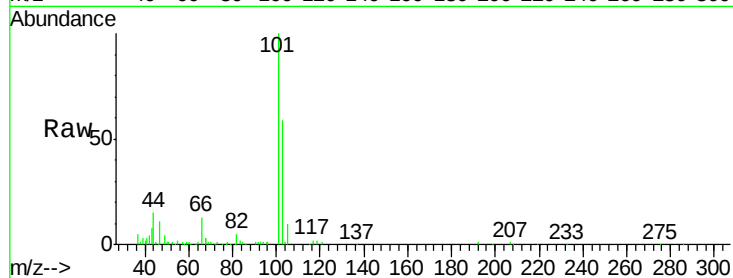
WP021SB476-25-27-180619MS

Tot Ion:101 Resp: 64893

Ion Ratio Lower Upper

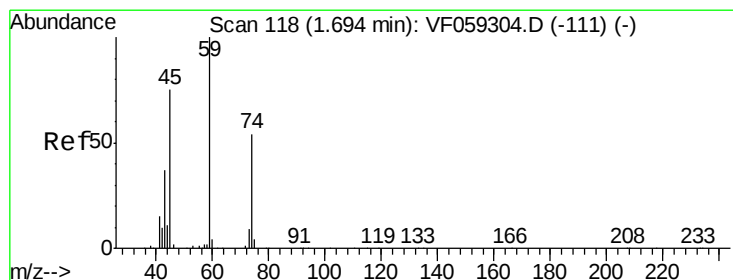
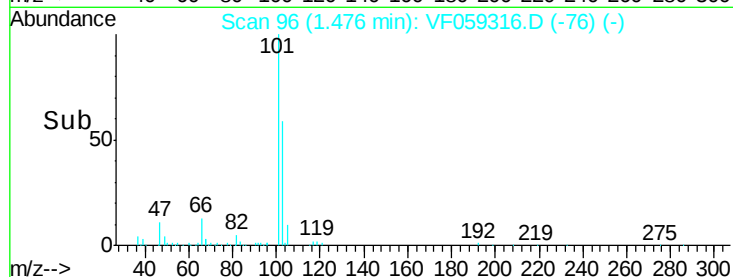
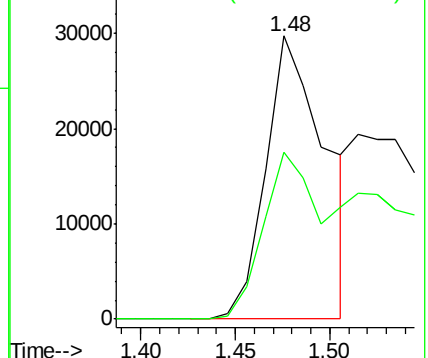
101 100

103 59.0 54.2 81.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 46.324 ug/l

RT: 1.69 min Scan# 118

Delta R.T. -0.00 min

Lab File: VF059316.D

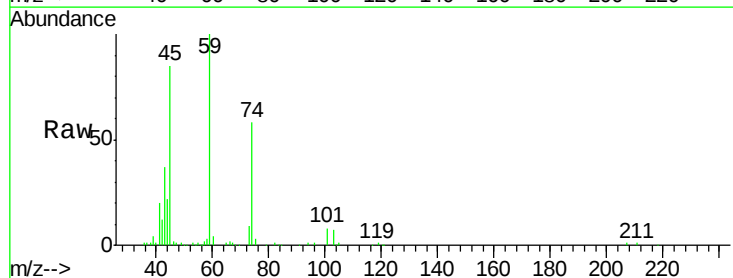
Acq: 26 Jun 2018 14:55

Tgt Ion: 74 Resp: 37292

Ion Ratio Lower Upper

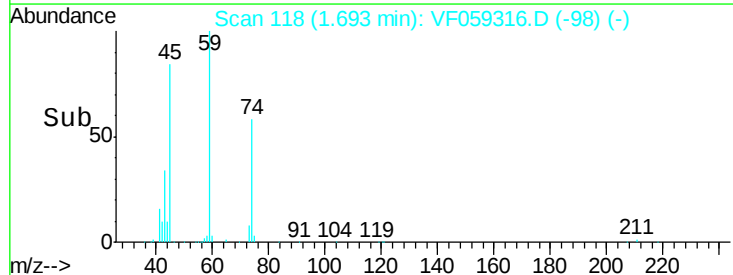
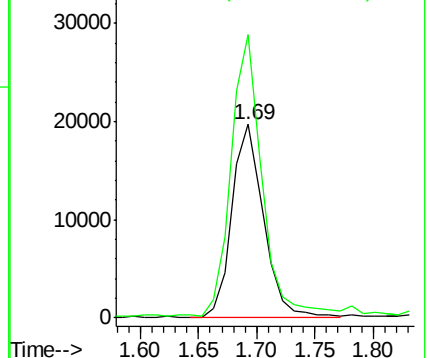
74 100

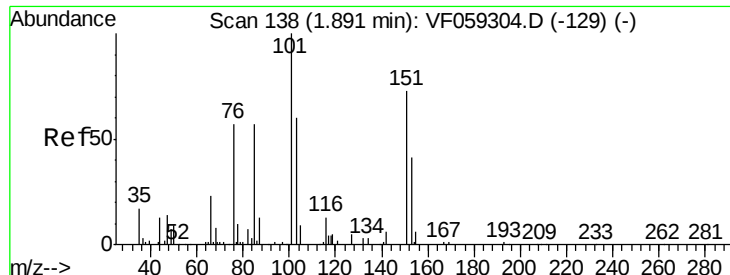
45 146.5 70.0 210.0



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.471 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.00 min

Lab File: VF059316.D

Acq: 26 Jun 2018 14:55

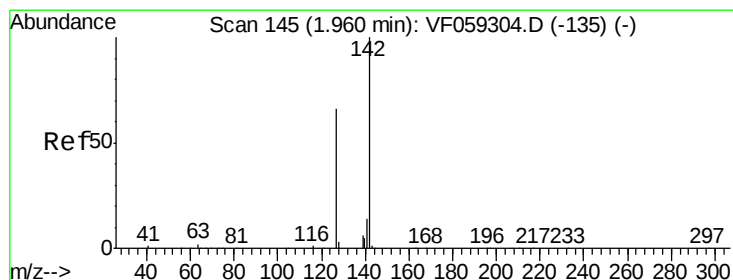
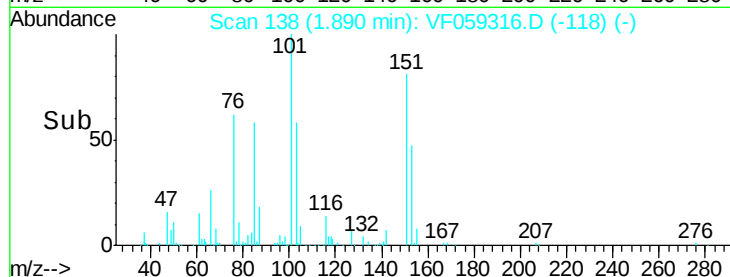
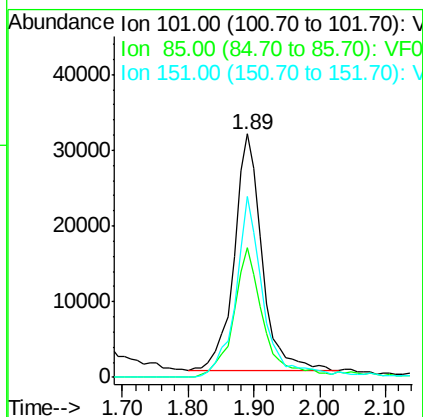
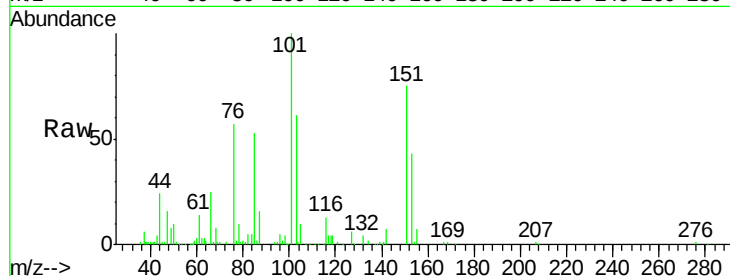
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WP021SB476-25-27-180619MS

Tot Ion:101	Resp:	92497
Ion Ratio	Lower	Upper
101	100	
85	53.4	44.5 66.7
151	74.6	56.8 85.2



#10

Methyl Iodide

Concen: 50.667 ug/l

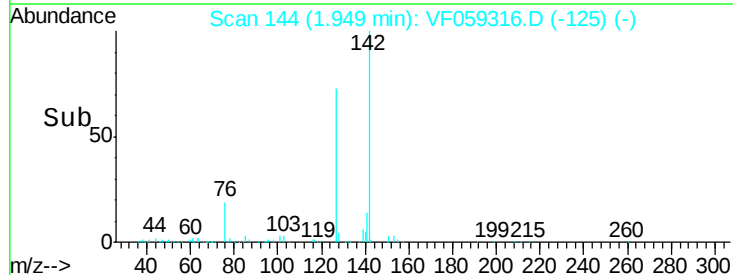
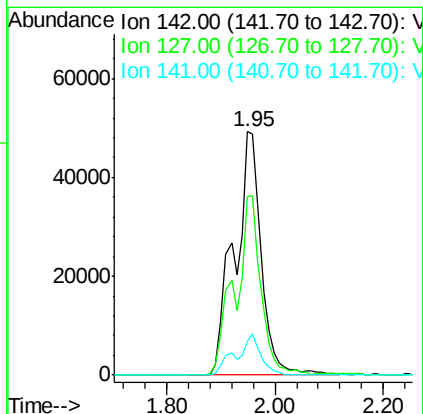
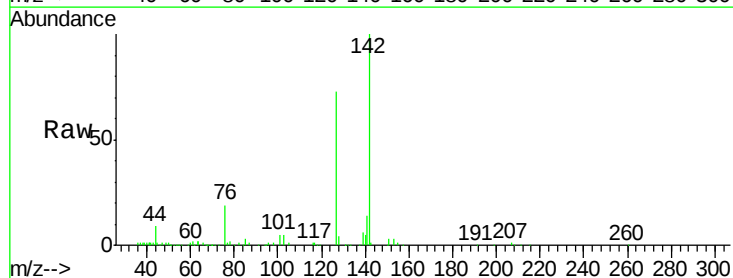
RT: 1.95 min Scan# 144

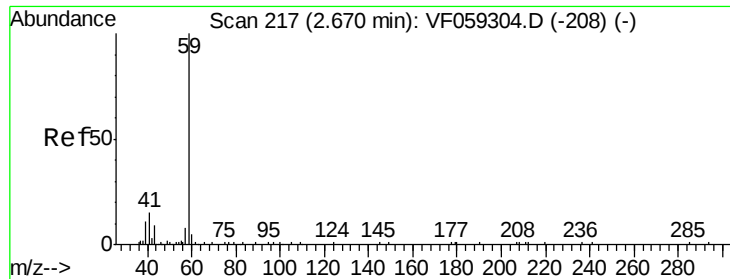
Delta R.T. -0.01 min

Lab File: VF059316.D

Acq: 26 Jun 2018 14:55

Tgt Ion:142	Resp:	169327
Ion Ratio	Lower	Upper
142	100	
127	72.3	52.5 78.7
141	13.5	11.5 17.3



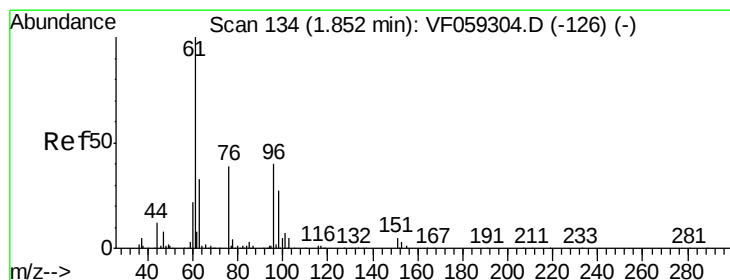
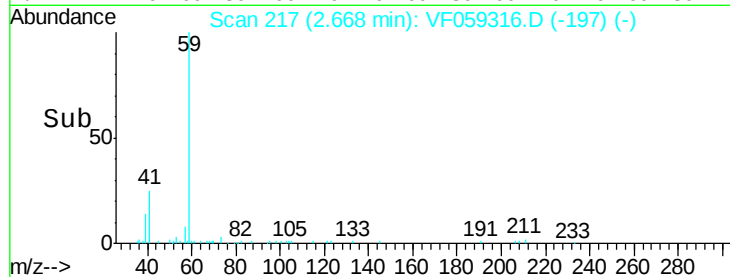
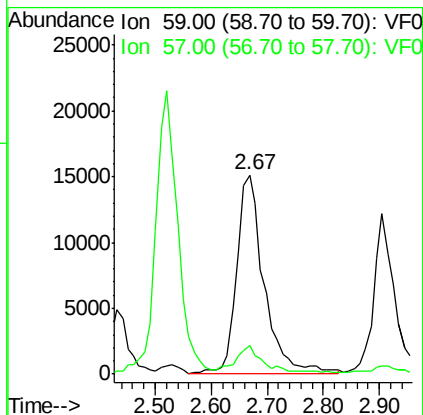
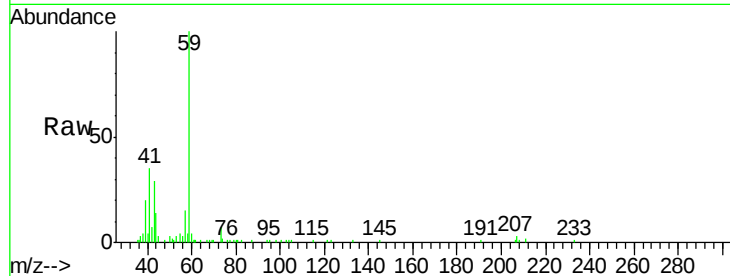


#11

Tert butyl alcohol
 Concen: 228.315 ug/l
 RT: 2.67 min Scan# 217
 Delta R.T. -0.00 min
 Lab File: VF059316.D
 Acq: 26 Jun 2018 14:55

Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB476-25-27-180619MS

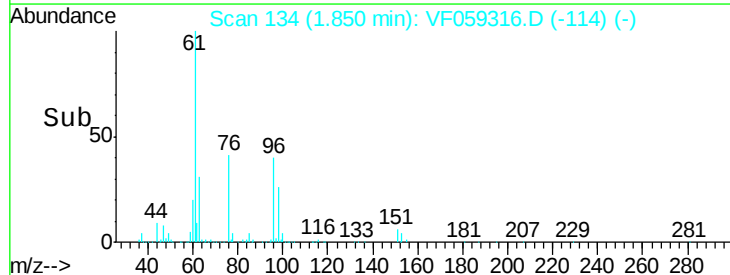
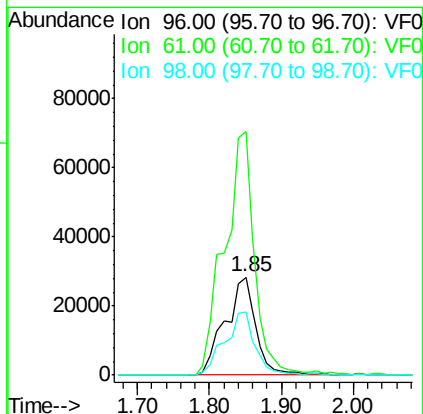
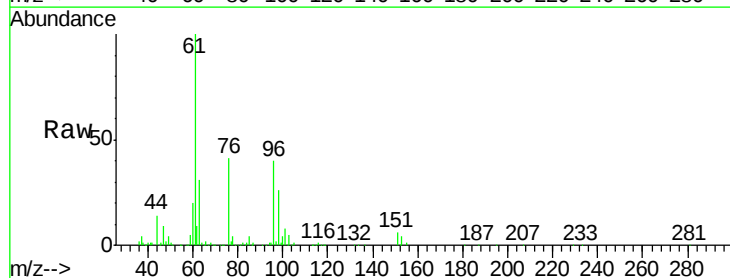
Tot Ion: 59 Resp: 51607
 Ion Ratio Lower Upper
 59 100
 57 14.5 11.0 16.4

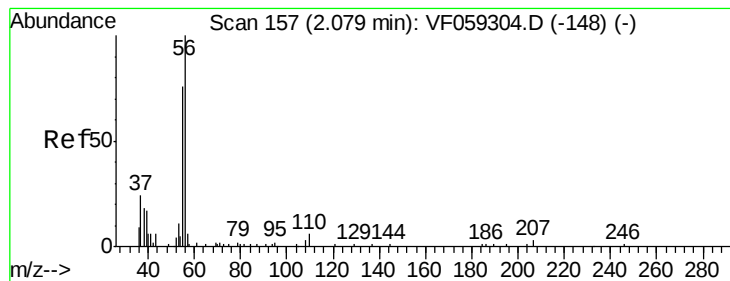


#12

1,1-Dichloroethene
 Concen: 54.546 ug/l
 RT: 1.85 min Scan# 134
 Delta R.T. -0.00 min
 Lab File: VF059316.D
 Acq: 26 Jun 2018 14:55

Tgt Ion: 96 Resp: 84510
 Ion Ratio Lower Upper
 96 100
 61 248.9 201.1 301.7
 98 63.9 53.9 80.9





#13

Acrolein

Concen: 146.568 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.00 min

Lab File: VF059316.D

Acq: 26 Jun 2018 14:55

Instrument :

MSVOA_F

ClientSampleId :

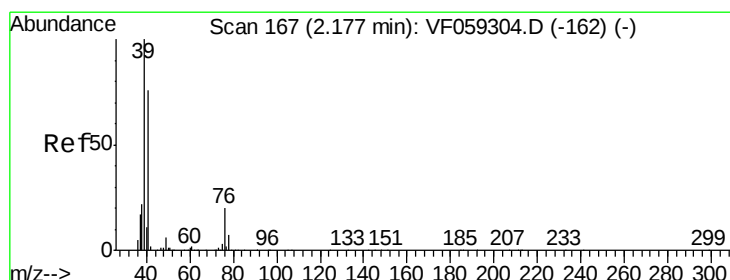
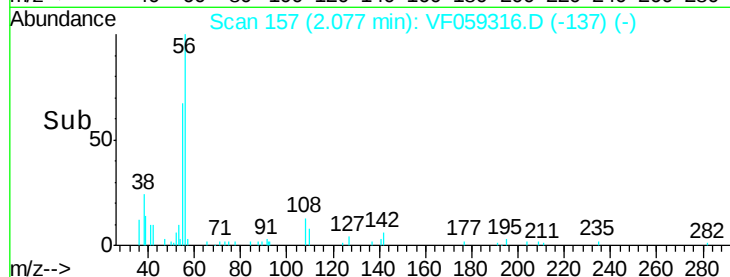
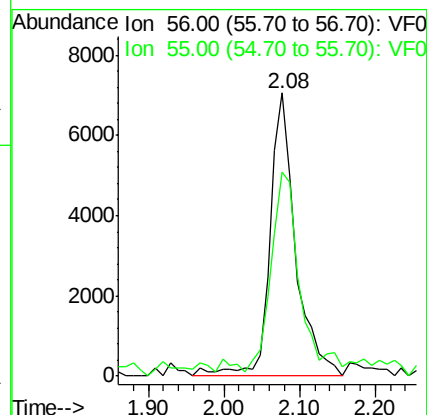
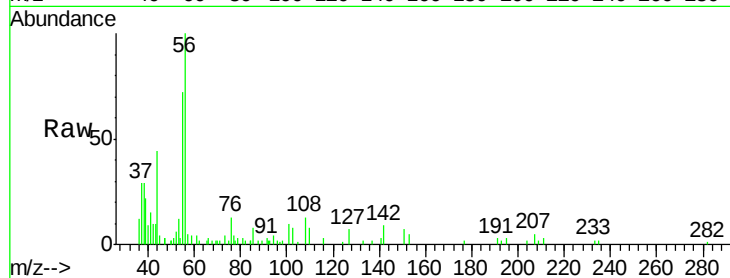
WP021SB476-25-27-180619MS

Tot Ion: 56 Resp: 16659

Ion Ratio Lower Upper

56 100

55 71.9 62.4 93.6



#14

Allyl chloride

Concen: 52.603 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.00 min

Lab File: VF059316.D

Acq: 26 Jun 2018 14:55

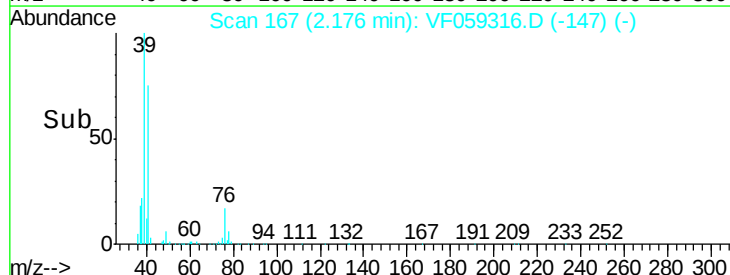
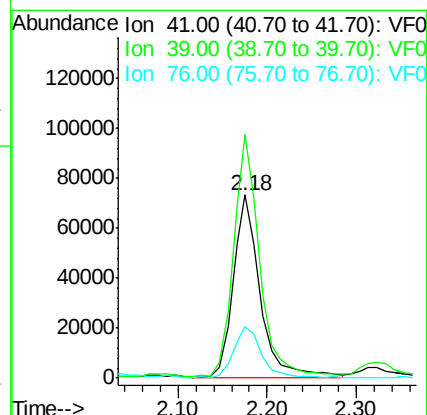
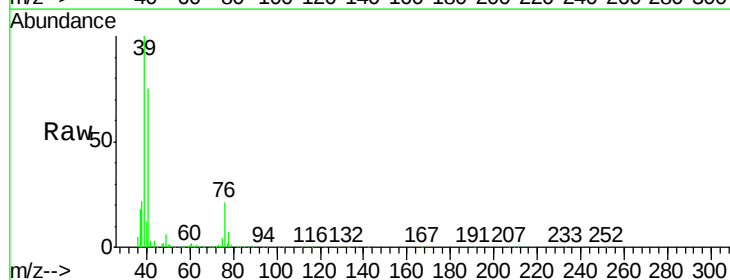
Tgt Ion: 41 Resp: 152988

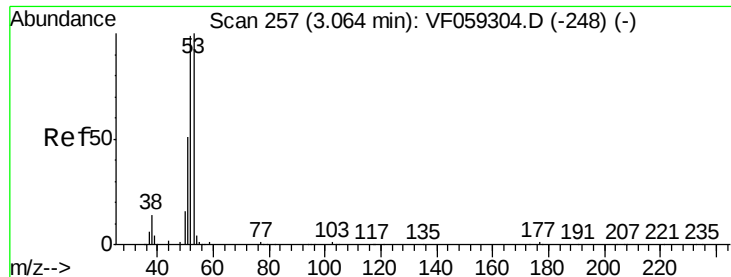
Ion Ratio Lower Upper

41 100

39 133.0 105.6 158.4

76 28.0 21.6 32.4





#15

Acrylonitrile

Concen: 261.209 ug/l

RT: 3.05 min Scan# 256

Delta R.T. -0.01 min

Lab File: VF059316.D

Acq: 26 Jun 2018 14:55

Instrument :

MSVOA_F

ClientSampleId :

WP021SB476-25-27-180619MS

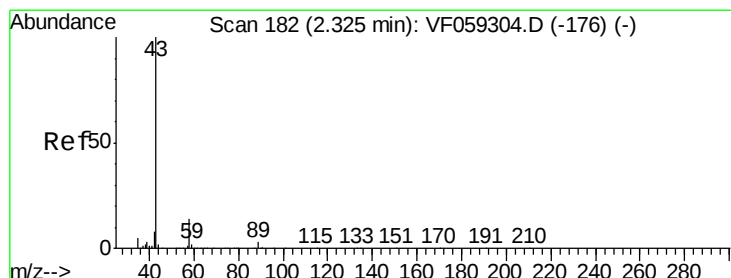
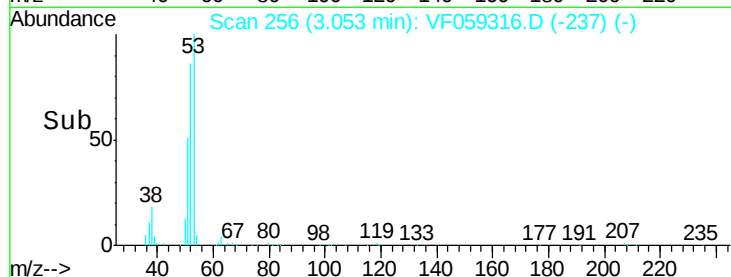
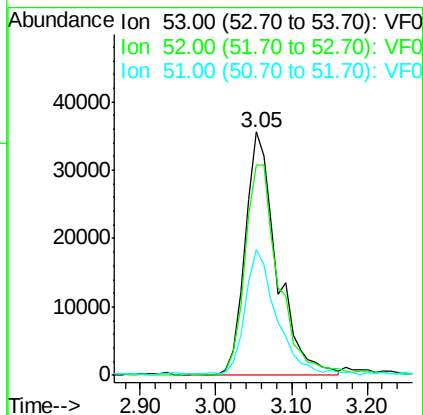
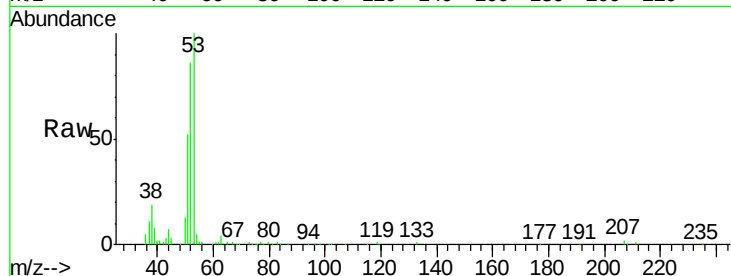
Tot Ion: 53 Resp: 103972

Ion Ratio Lower Upper

53 100

52 86.5 79.2 118.8

51 51.8 40.9 61.3



#16

Acetone

Concen: 386.563 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.00 min

Lab File: VF059316.D

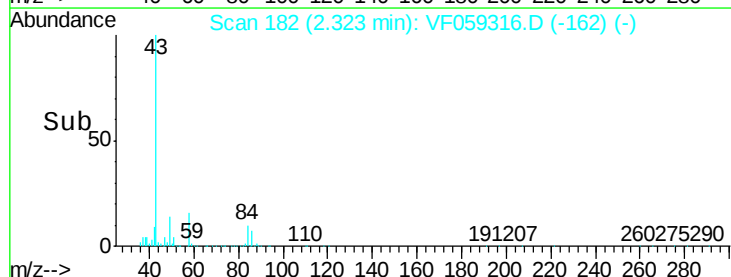
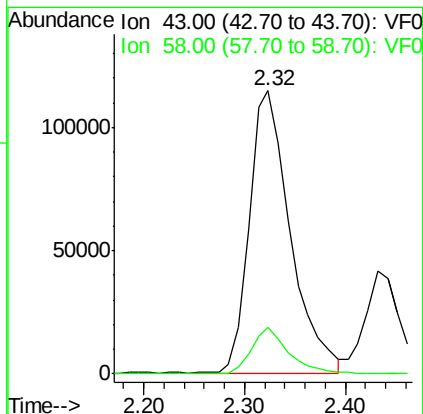
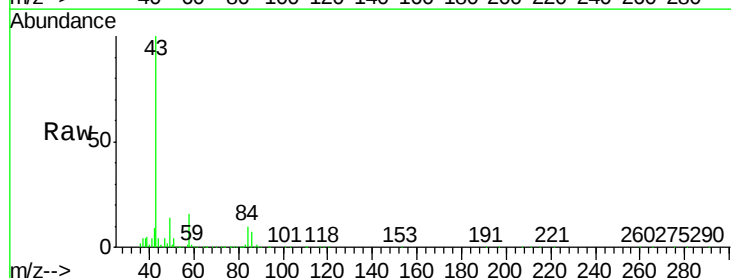
Acq: 26 Jun 2018 14:55

Tgt Ion: 43 Resp: 323063

Ion Ratio Lower Upper

43 100

58 16.3 11.4 17.0





#17

Carbon Disulfide

Concen: 14.049 ug/l

RT: 1.83 min Scan# 132

Delta R.T. -0.00 min

Lab File: VF059316.D

Acq: 26 Jun 2018 14:55

Instrument :

MSVOA_F

ClientSampleId :

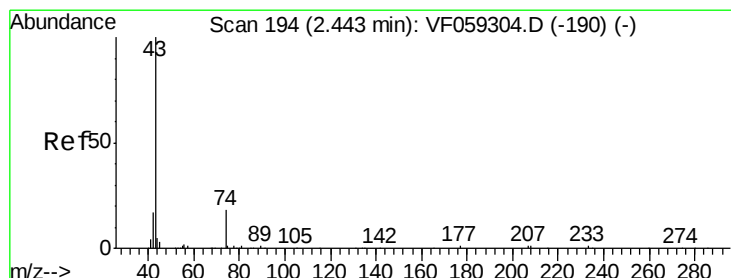
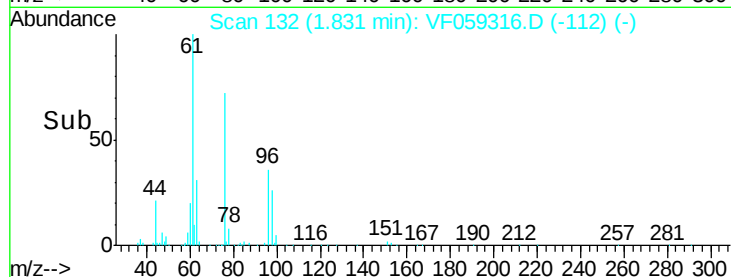
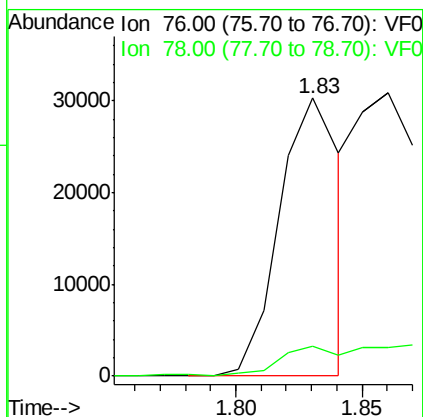
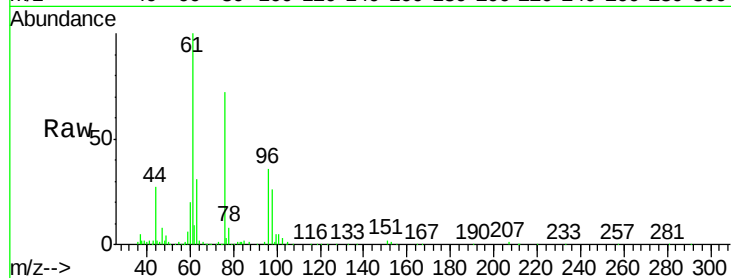
WP021SB476-25-27-180619MS

Tot Ion: 76 Resp: 51202

Ion Ratio Lower Upper

76 100

78 10.8 8.9 13.3



#18

Methyl Acetate

Concen: 64.159 ug/l

RT: 2.43 min Scan# 193

Delta R.T. -0.01 min

Lab File: VF059316.D

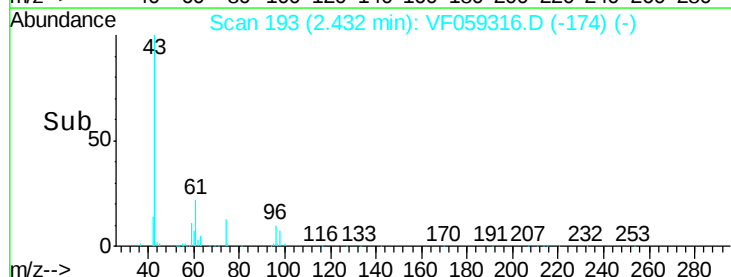
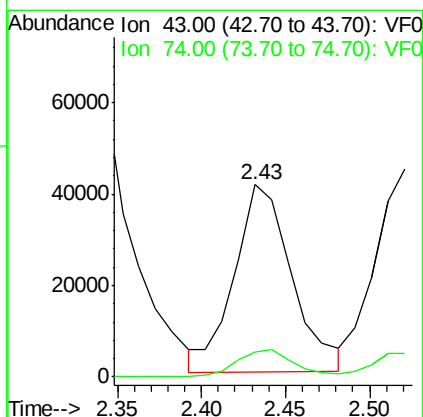
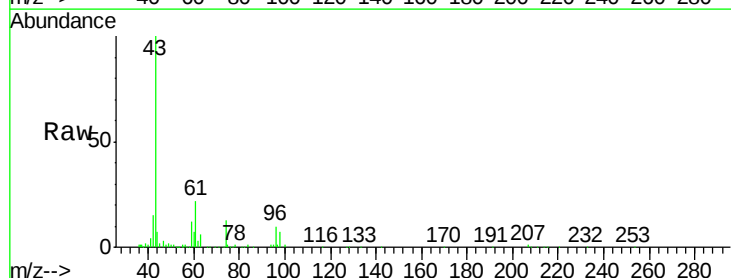
Acq: 26 Jun 2018 14:55

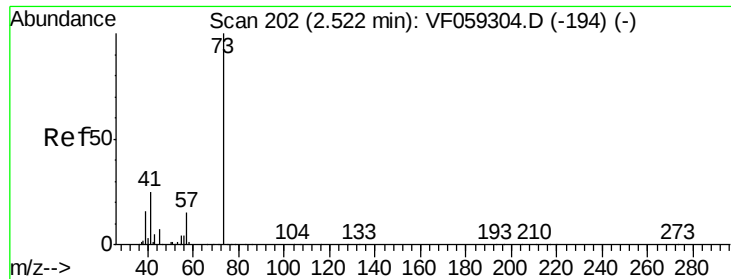
Tgt Ion: 43 Resp: 97816

Ion Ratio Lower Upper

43 100

74 13.2 13.3 19.9#



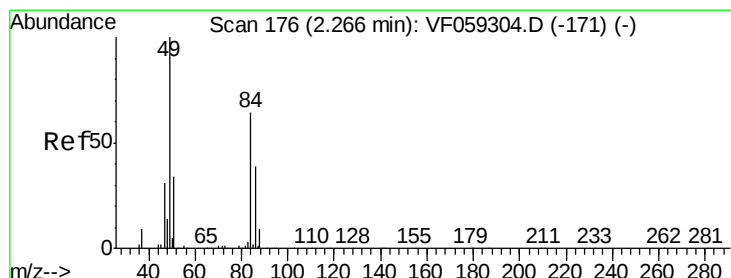
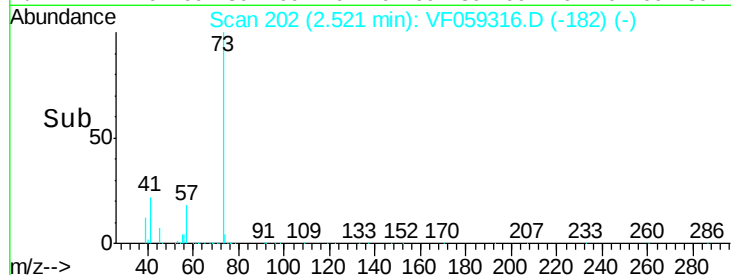
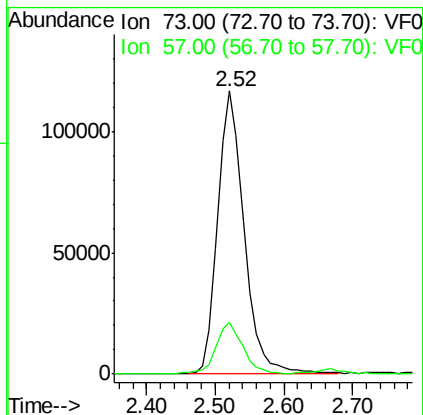
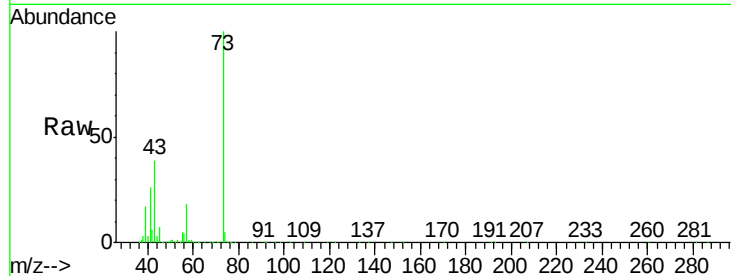


#19

Methyl tert-butyl Ether
Concen: 53.848 ug/l
RT: 2.52 min Scan# 202
Delta R.T. -0.00 min
Lab File: VF059316.D
Acq: 26 Jun 2018 14:55

Instrument :
MSVOA_F
ClientSampleId :
WP021SB476-25-27-180619MS

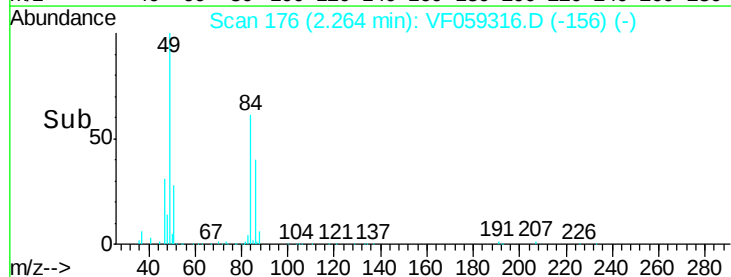
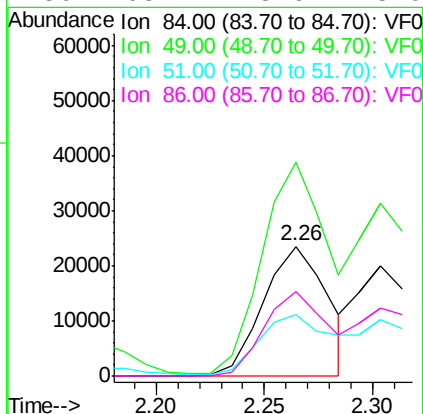
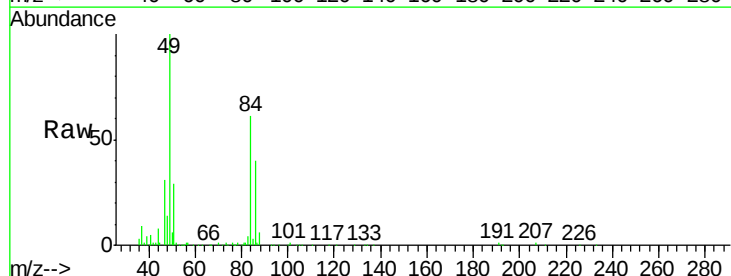
Tot Ion: 73 Resp: 311187
Ion Ratio Lower Upper
73 100
57 18.4 12.3 18.5

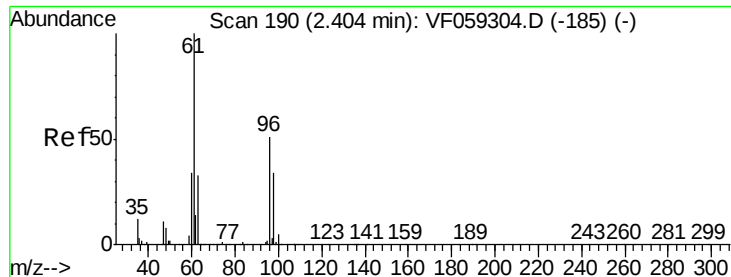


#20

Methylene Chloride
Concen: 21.220 ug/l
RT: 2.26 min Scan# 176
Delta R.T. -0.00 min
Lab File: VF059316.D
Acq: 26 Jun 2018 14:55

Tgt Ion: 84 Resp: 48503
Ion Ratio Lower Upper
84 100
49 164.8 126.5 189.7
51 47.3 42.9 64.3
86 65.1 48.6 73.0





#21

trans-1,2-Dichloroethene

Concen: 50.996 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.00 min

Lab File: VF059316.D

Acq: 26 Jun 2018 14:55

Instrument :

MSVOA_F

ClientSampleId :

WP021SB476-25-27-180619MS

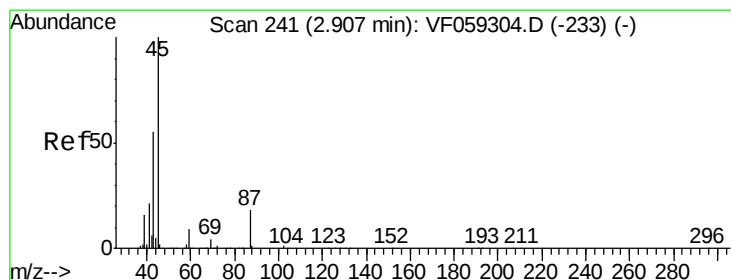
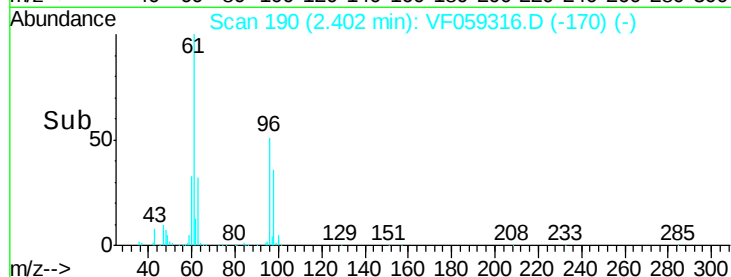
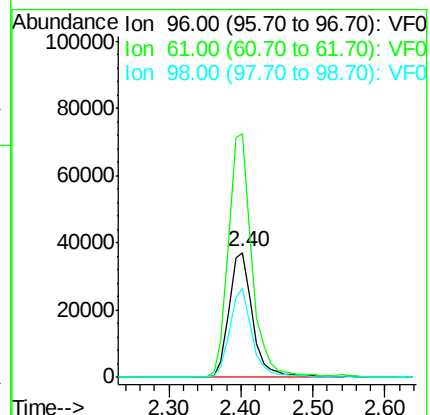
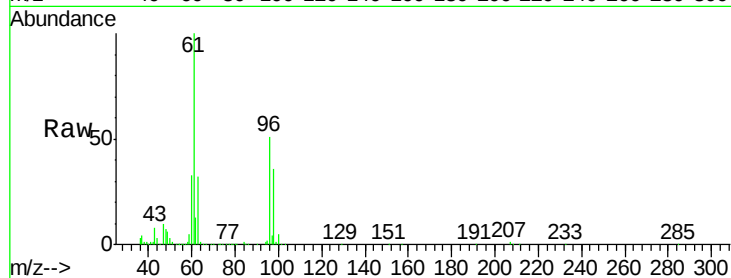
Tot Ion: 96 Resp: 84283

Ion Ratio Lower Upper

96 100

61 195.3 157.4 236.2

98 71.0 53.7 80.5



#22

Diisopropyl ether

Concen: 51.166 ug/l

RT: 2.91 min Scan# 241

Delta R.T. -0.00 min

Lab File: VF059316.D

Acq: 26 Jun 2018 14:55

Tgt Ion: 45 Resp: 329526

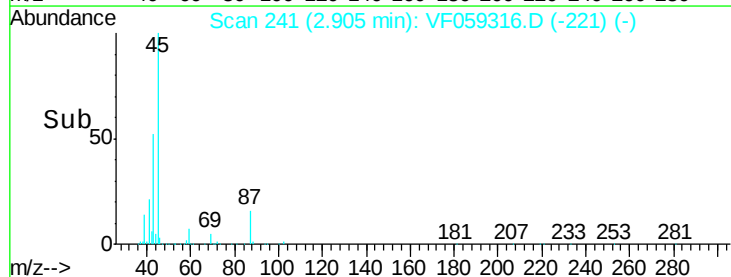
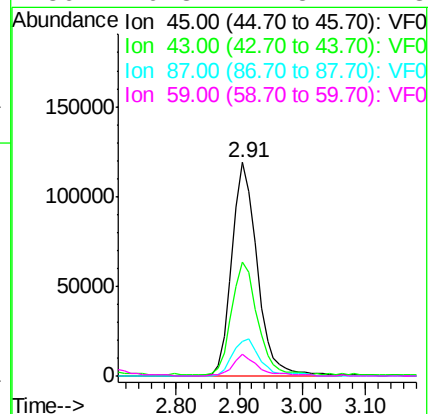
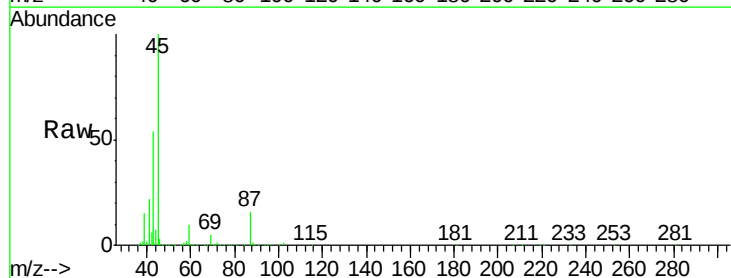
Ion Ratio Lower Upper

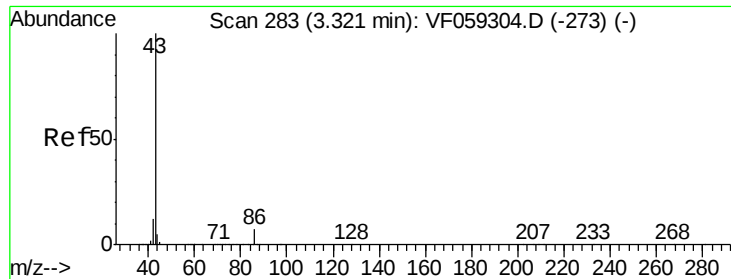
45 100

43 53.6 44.6 66.8

87 16.1 14.3 21.5

59 10.3 7.5 11.3





#23

Vinyl Acetate

Concen: 243.723 ug/l

RT: 3.31 min Scan# 282

Delta R.T. -0.01 min

Lab File: VF059316.D

Acq: 26 Jun 2018 14:55

Instrument :

MSVOA_F

ClientSampleId :

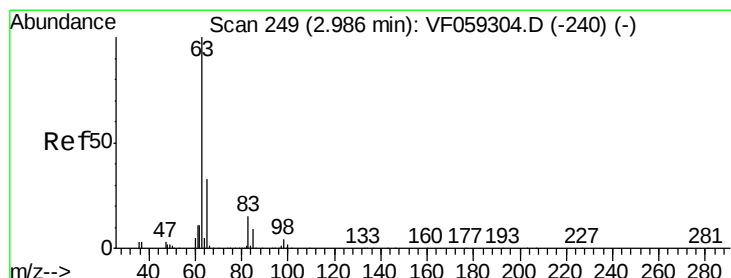
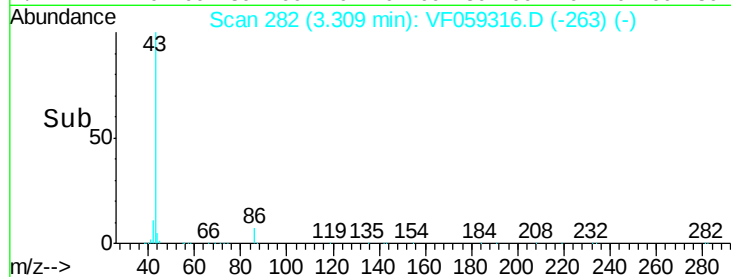
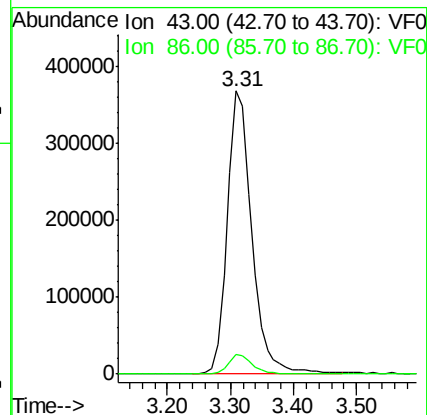
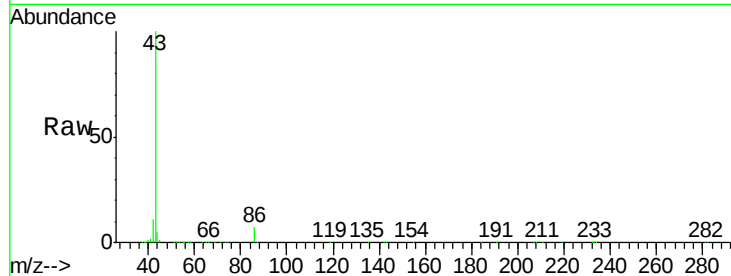
WP021SB476-25-27-180619MS

Tot Ion: 43 Resp: 999647

Ion Ratio Lower Upper

43 100

86 6.8 5.8 8.6



#24

1,1-Dichloroethane

Concen: 51.746 ug/l

RT: 2.98 min Scan# 249

Delta R.T. -0.00 min

Lab File: VF059316.D

Acq: 26 Jun 2018 14:55

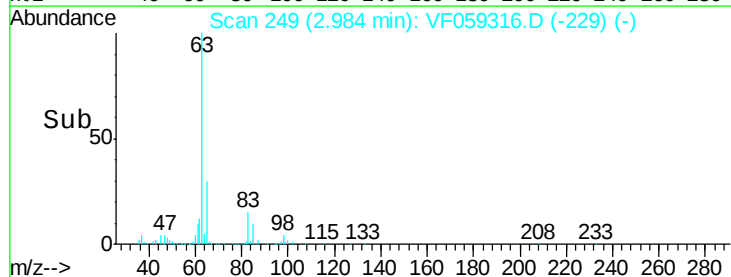
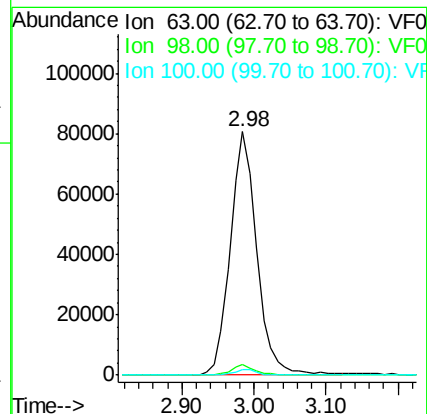
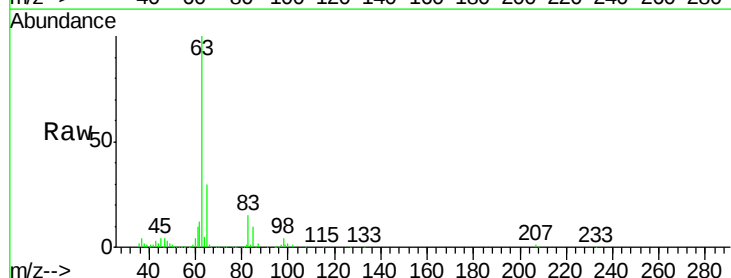
Tgt Ion: 63 Resp: 206626

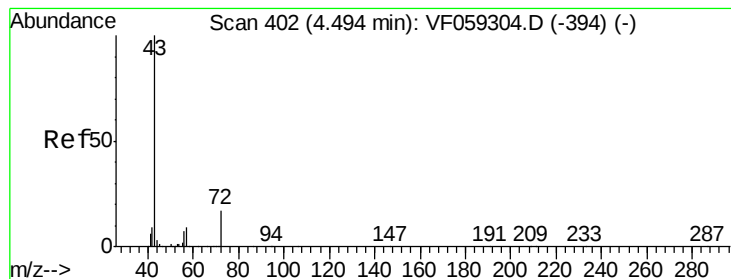
Ion Ratio Lower Upper

63 100

98 4.2 2.0 6.0

100 2.5 1.3 3.9





#25

2-Butanone

Concen: 305.761 ug/l

RT: 4.49 min Scan# 402

Delta R.T. -0.00 min

Lab File: VF059316.D

Acq: 26 Jun 2018 14:55

Instrument :

MSVOA_F

ClientSampleId :

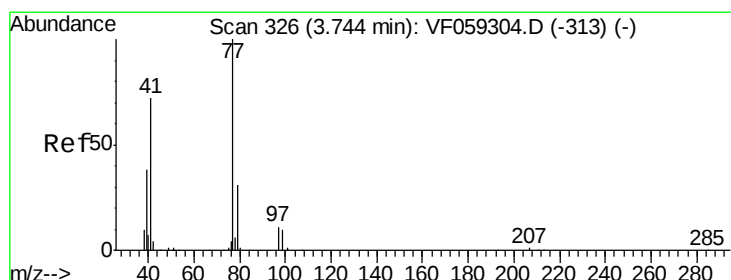
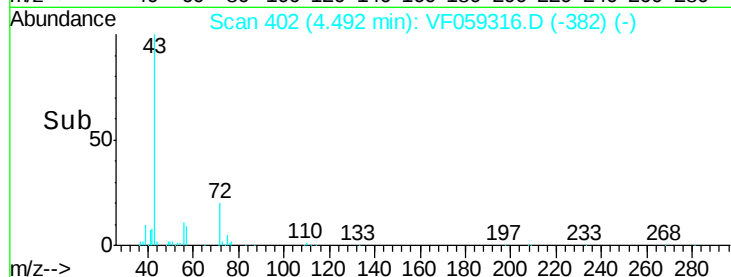
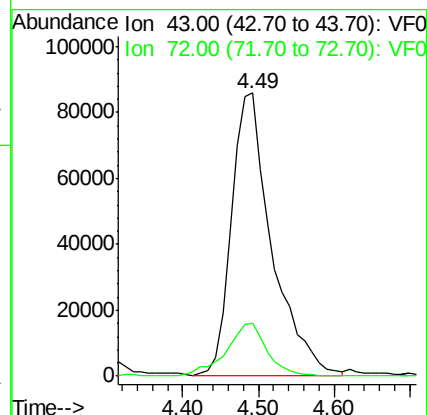
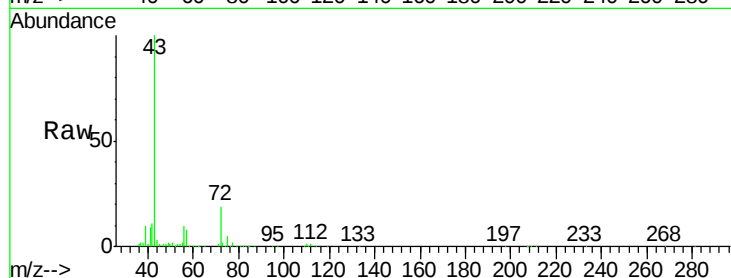
WP021SB476-25-27-180619MS

Tot Ion: 43 Resp: 313417

Ion Ratio Lower Upper

43 100

72 18.6 14.4 21.6



#26

2,2-Dichloropropane

Concen: 53.340 ug/l

RT: 3.74 min Scan# 326

Delta R.T. -0.00 min

Lab File: VF059316.D

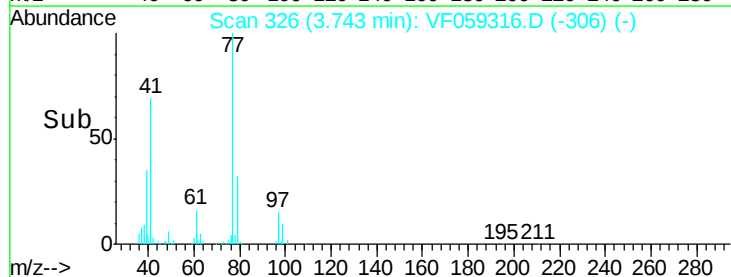
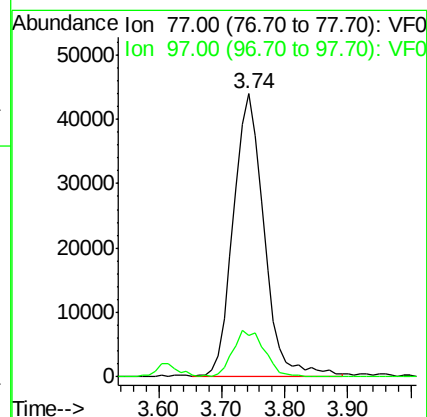
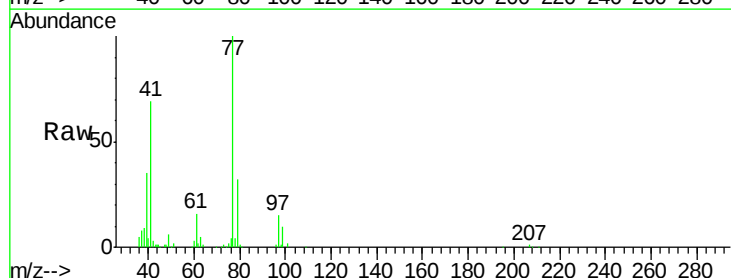
Acq: 26 Jun 2018 14:55

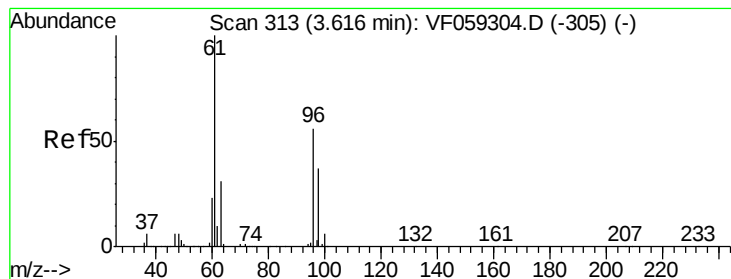
Tgt Ion: 77 Resp: 146903

Ion Ratio Lower Upper

77 100

97 14.5 8.0 23.8



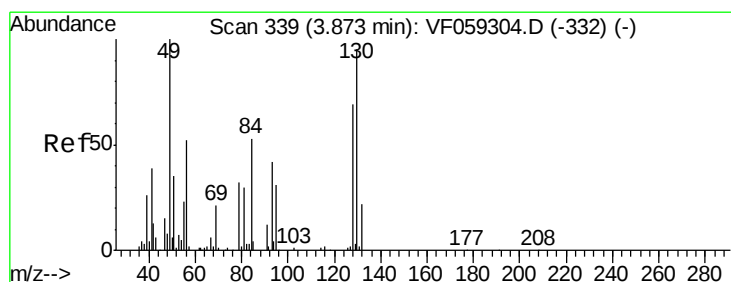
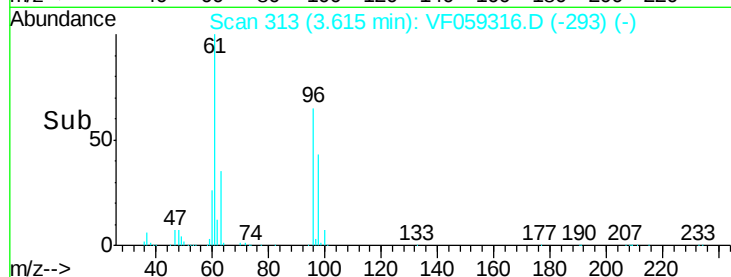
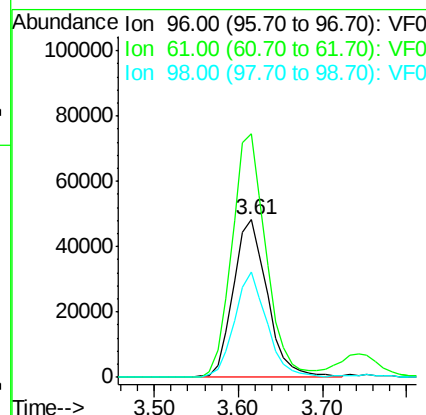
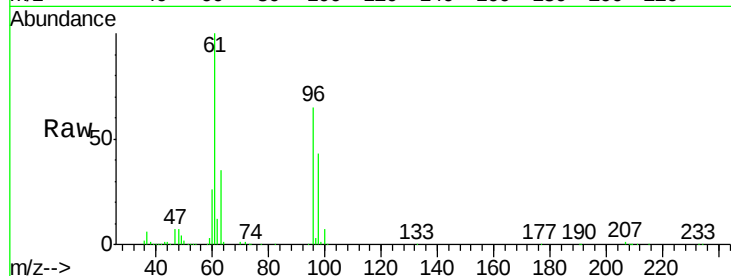


#27

cis-1,2-Dichloroethene
 Concen: 54.502 ug/l
 RT: 3.61 min Scan# 313
 Delta R.T. -0.00 min
 Lab File: VF059316.D
 Acq: 26 Jun 2018 14:55

Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB476-25-27-180619MS

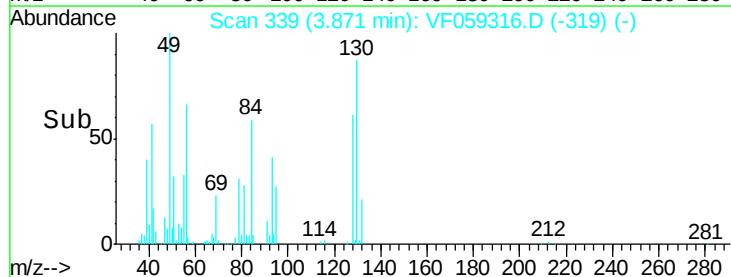
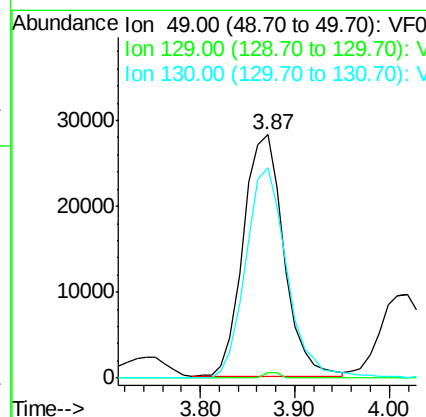
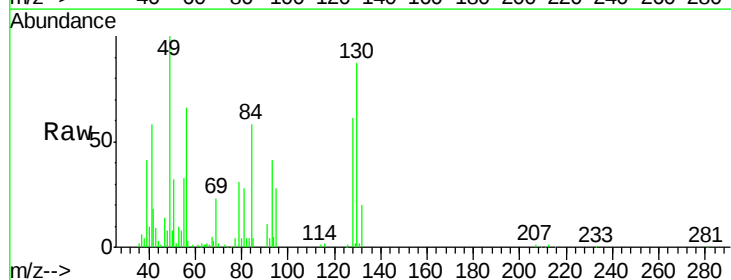
Tot Ion	Ratio	Lower	Upper
96	100		
61	154.3	0.0	355.4
98	66.8	0.0	131.0

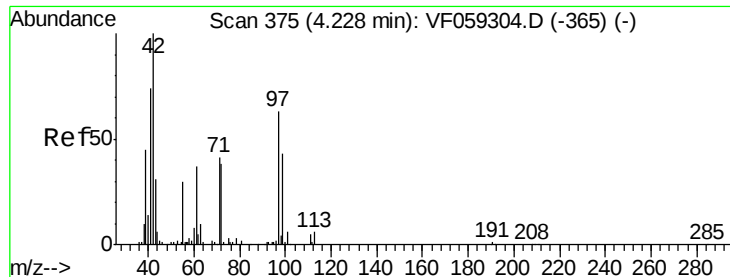


#28

Bromochloromethane
 Concen: 54.863 ug/l
 RT: 3.87 min Scan# 339
 Delta R.T. -0.00 min
 Lab File: VF059316.D
 Acq: 26 Jun 2018 14:55

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	6.4
130	86.5	75.1	112.7

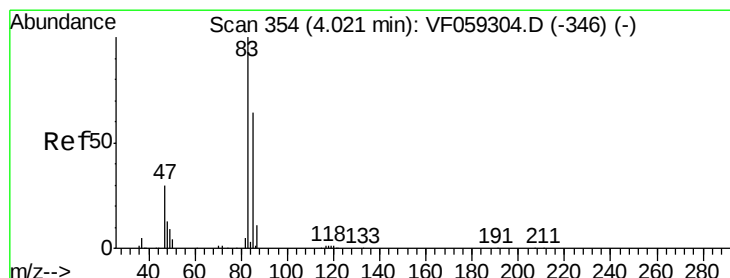
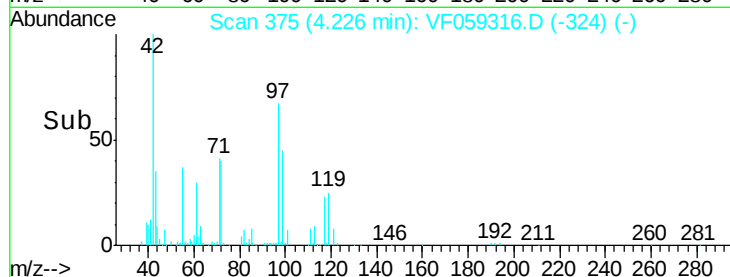
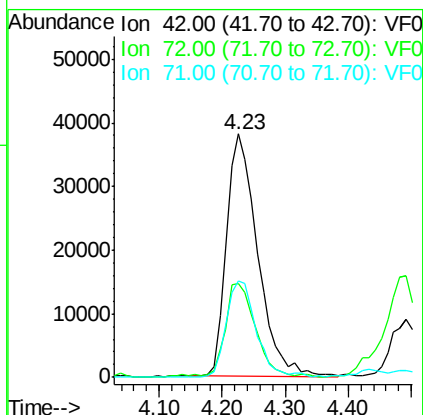
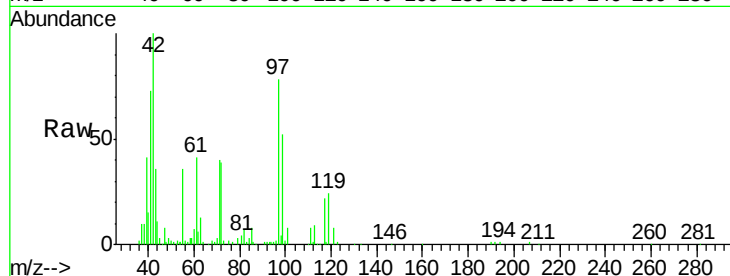




#29
Tetrahydrofuran
Concen: 298.332 ug/l
RT: 4.23 min Scan# 375
Delta R.T. -0.00 min
Lab File: VF059316.D
Acq: 26 Jun 2018 14:55

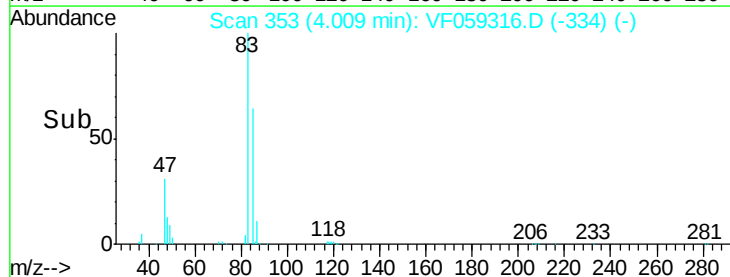
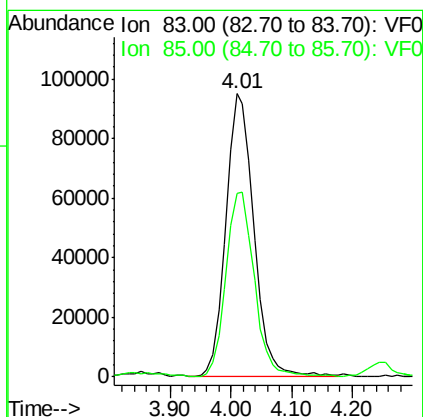
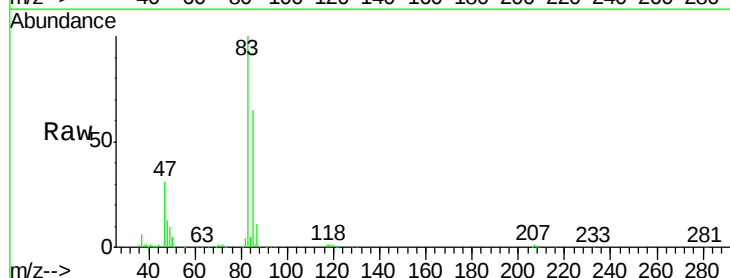
Instrument :
MSVOA_F
ClientSampleId :
WP021SB476-25-27-180619MS

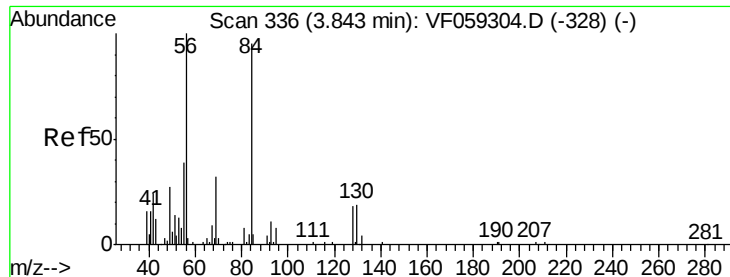
Tot Ion	Ratio	Lower	Upper
42	100		
72	39.0	30.5	45.7
71	38.8	32.5	48.7



#30
Chloroform
Concen: 52.701 ug/l
RT: 4.01 min Scan# 353
Delta R.T. -0.01 min
Lab File: VF059316.D
Acq: 26 Jun 2018 14:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.3	76.9





#31

Cyclohexane

Concen: 51.754 ug/l

RT: 3.84 min Scan# 336

Delta R.T. -0.00 min

Lab File: VF059316.D

Acq: 26 Jun 2018 14:55

Instrument :

MSVOA_F

ClientSampleId :

WP021SB476-25-27-180619MS

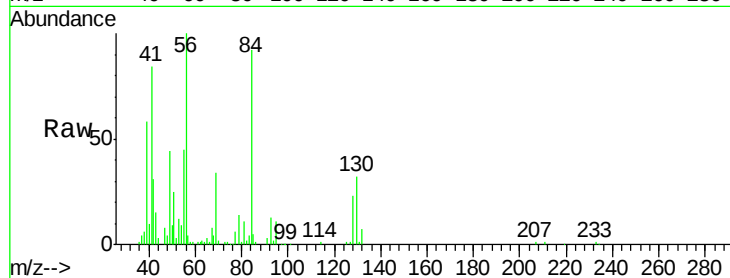
Tot Ion: 56 Resp: 135380

Ion Ratio Lower Upper

56 100

69 33.6 25.8 38.8

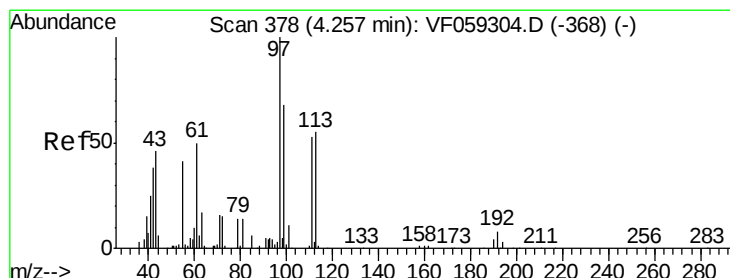
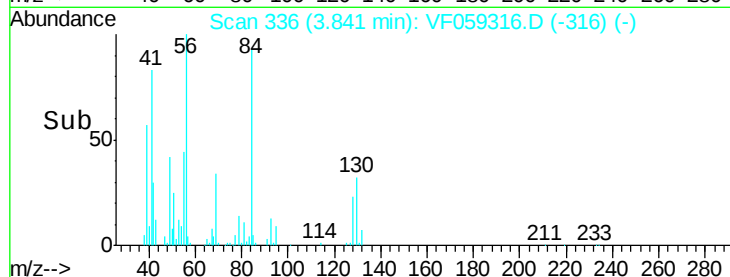
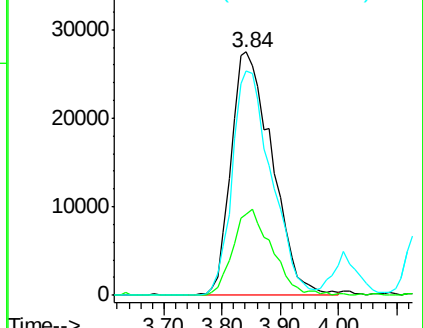
84 92.3 75.6 113.4



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 54.992 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.00 min

Lab File: VF059316.D

Acq: 26 Jun 2018 14:55

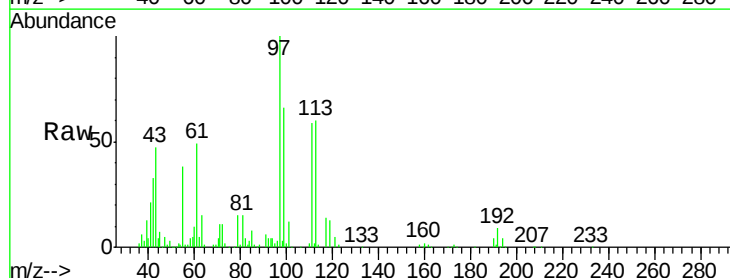
Tgt Ion: 97 Resp: 232628

Ion Ratio Lower Upper

97 100

99 66.0 54.1 81.1

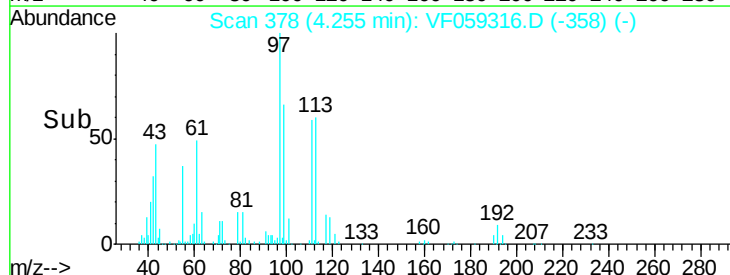
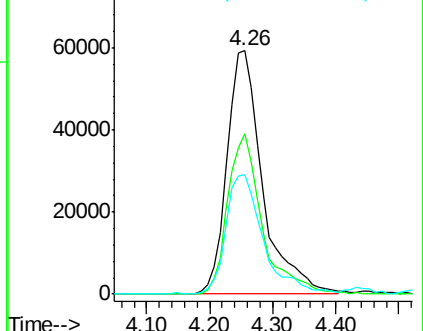
61 49.2 41.2 61.8

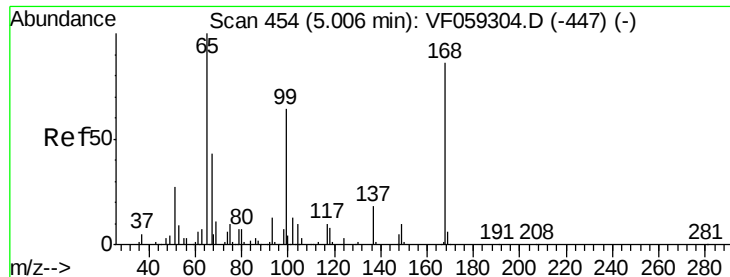


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 48.220 ug/l

RT: 4.99 min Scan# 453

Delta R.T. -0.01 min

Lab File: VF059316.D

Acq: 26 Jun 2018 14:55

Instrument :

MSVOA_F

ClientSampleId :

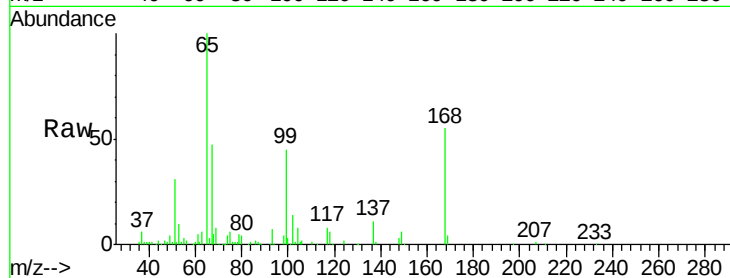
WP021SB476-25-27-180619MS

Tot Ion: 65 Resp: 163719

Ion Ratio Lower Upper

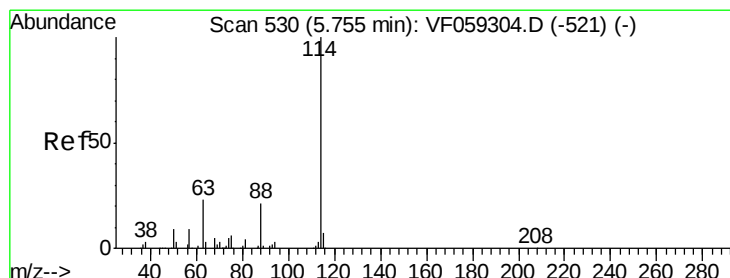
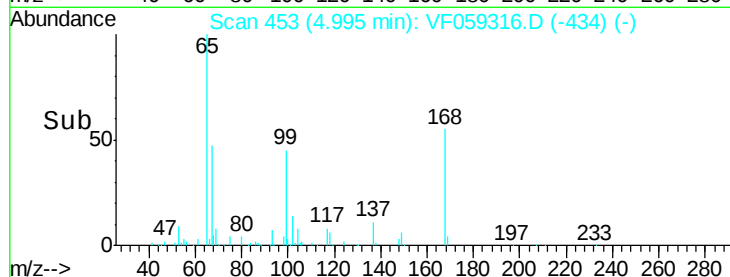
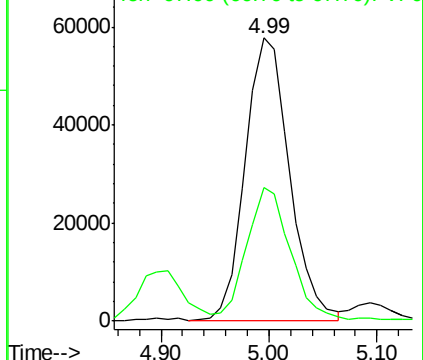
65 100

67 47.1 0.0 96.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.74 min Scan# 529

Delta R.T. -0.01 min

Lab File: VF059316.D

Acq: 26 Jun 2018 14:55

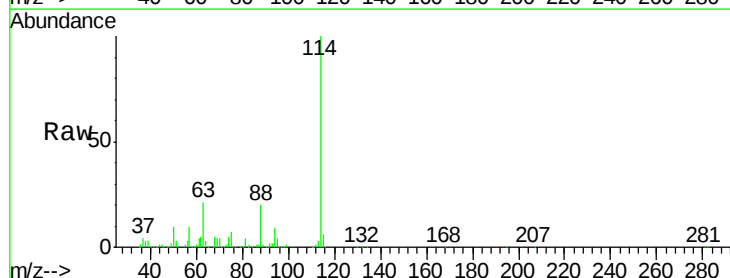
Tgt Ion: 114 Resp: 412315

Ion Ratio Lower Upper

114 100

63 21.1 0.0 45.8

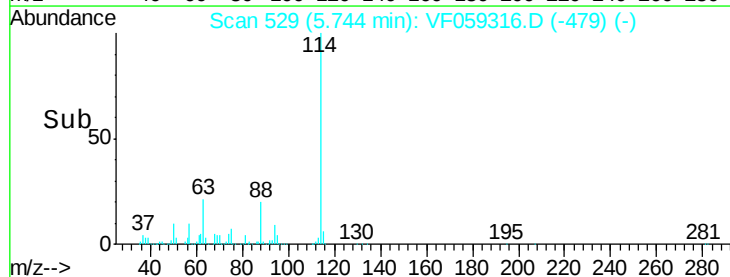
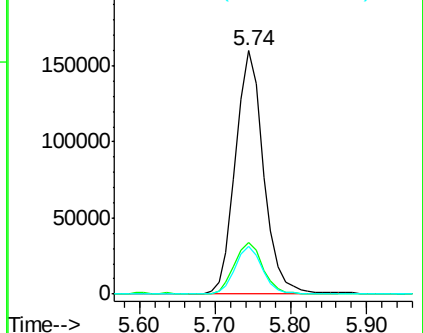
88 19.7 0.0 41.2

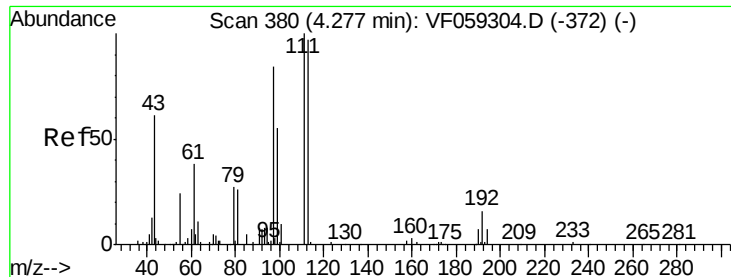


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 46.652 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.00 min

Lab File: VF059316.D

Acq: 26 Jun 2018 14:55

Instrument :

MSVOA_F

ClientSampleId :

WP021SB476-25-27-180619MS

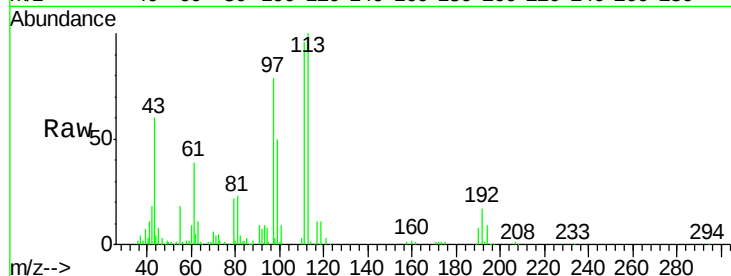
Tot Ion:113 Resp: 140545

Ion Ratio Lower Upper

113 100

111 95.8 82.1 123.1

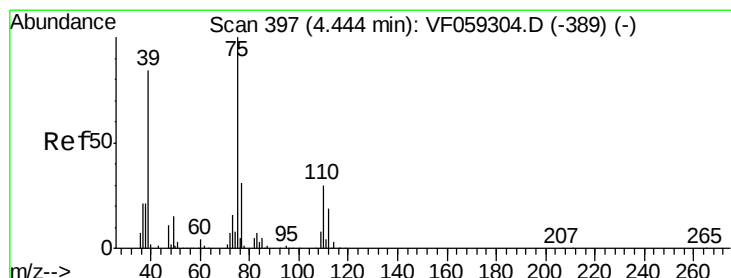
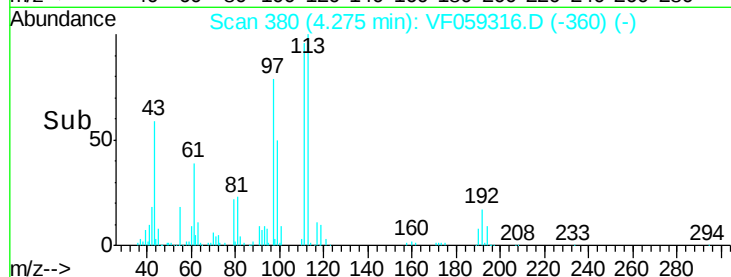
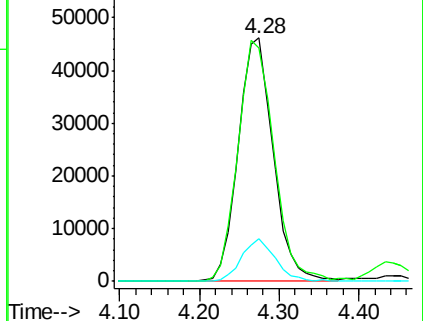
192 17.6 13.0 19.6



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: 54.049 ug/l

RT: 4.43 min Scan# 396

Delta R.T. -0.01 min

Lab File: VF059316.D

Acq: 26 Jun 2018 14:55

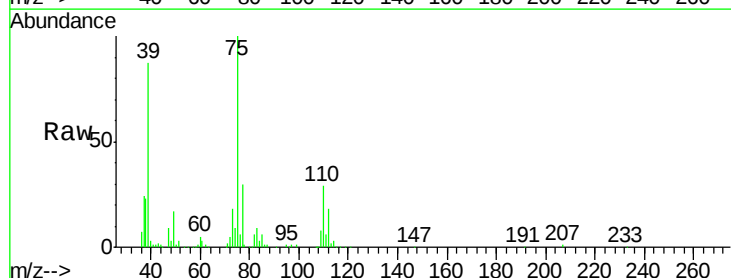
Tgt Ion: 75 Resp: 194680

Ion Ratio Lower Upper

75 100

110 29.1 14.8 44.4

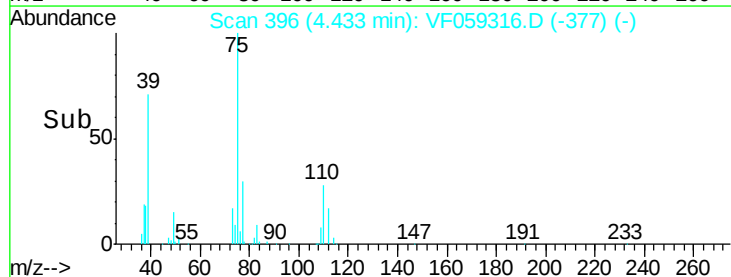
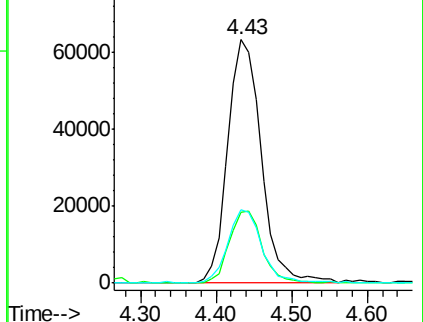
77 30.1 25.2 37.8

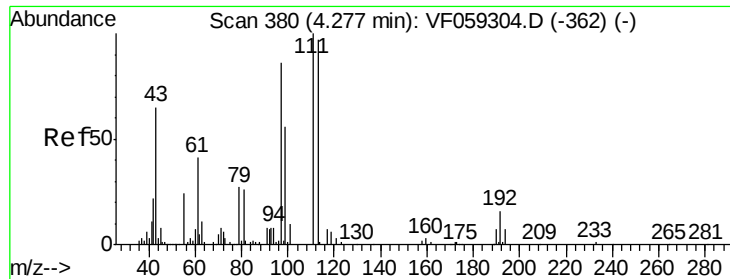


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 54.737 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.01 min

Lab File: VF059316.D

Acq: 26 Jun 2018 14:55

Instrument :

MSVOA_F

ClientSampleId :

WP021SB476-25-27-180619MS

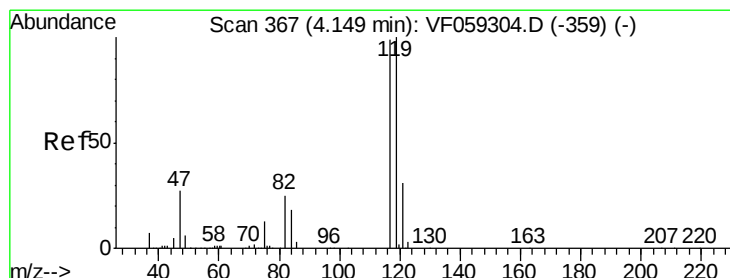
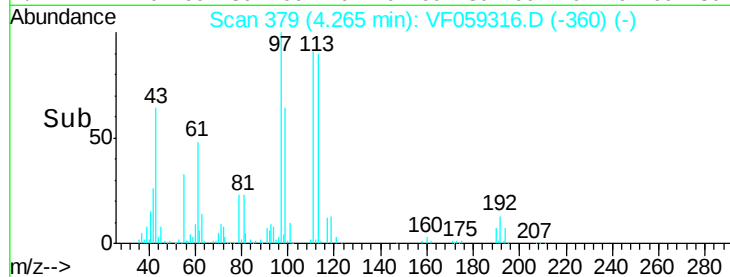
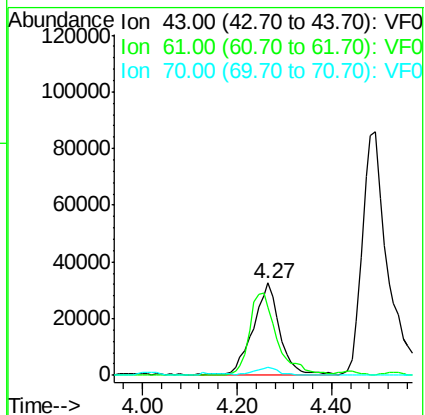
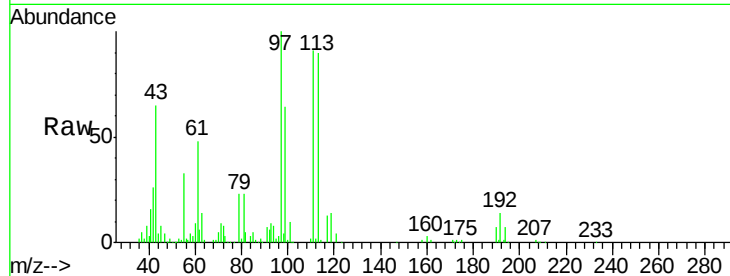
Tot Ion: 43 Resp: 125798

Ion Ratio Lower Upper

43 100

61 74.6 50.1 75.1

70 8.1 6.2 9.4



#38

Carbon Tetrachloride

Concen: 58.225 ug/l

RT: 4.15 min Scan# 367

Delta R.T. -0.00 min

Lab File: VF059316.D

Acq: 26 Jun 2018 14:55

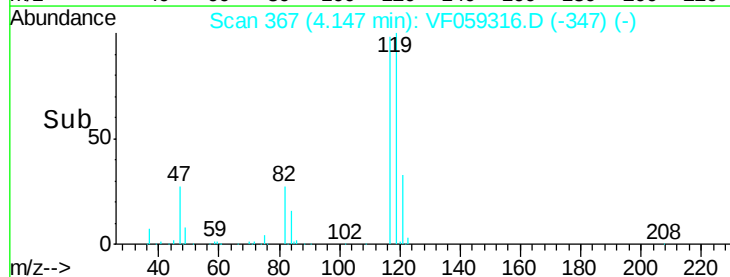
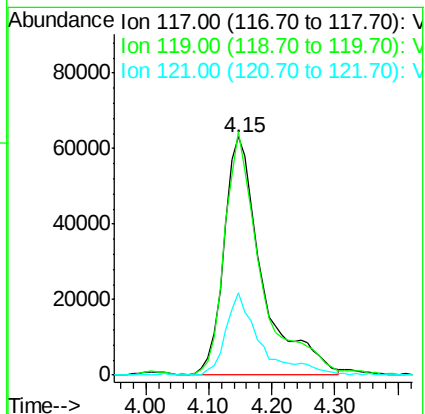
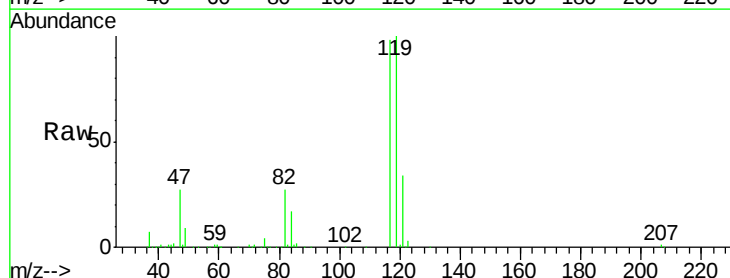
Tgt Ion: 117 Resp: 264665

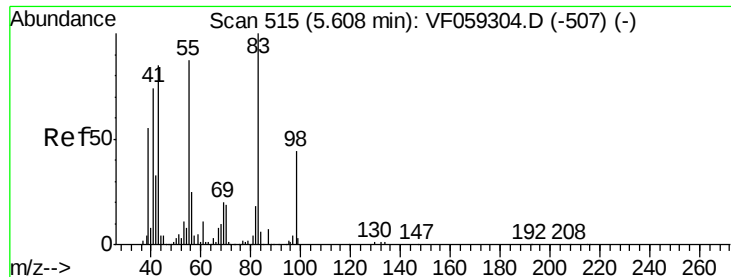
Ion Ratio Lower Upper

117 100

119 102.3 81.0 121.4

121 34.4 24.7 37.1

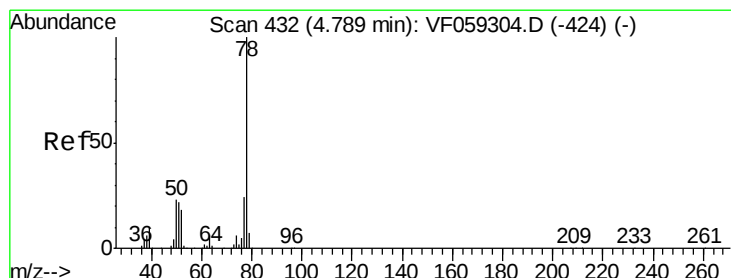
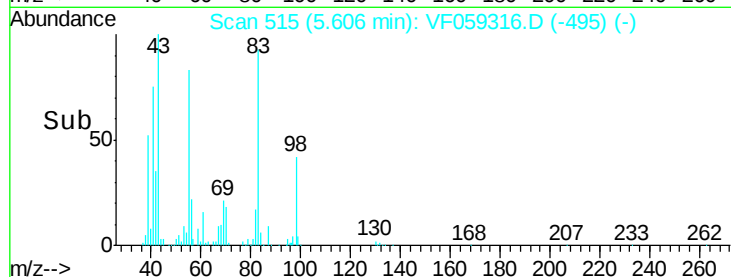
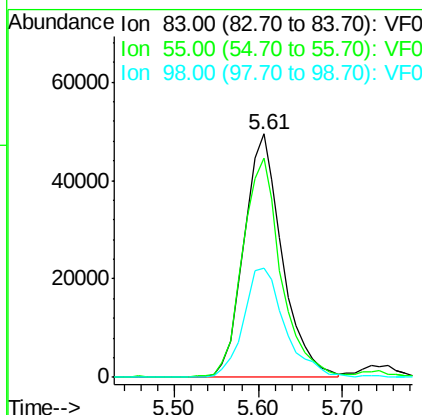
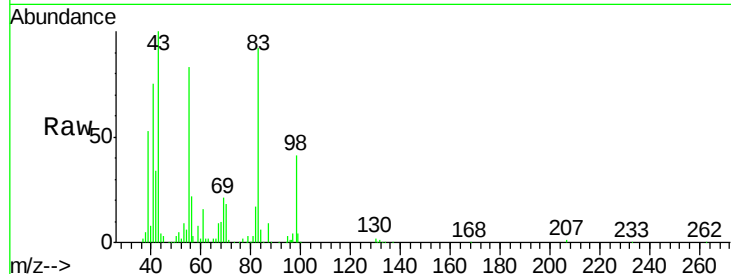




#39
Methvlcvclohexane
Concen: 49.361 ug/l
RT: 5.61 min Scan# 515
Delta R.T. -0.00 min
Lab File: VF059316.D
Acq: 26 Jun 2018 14:55

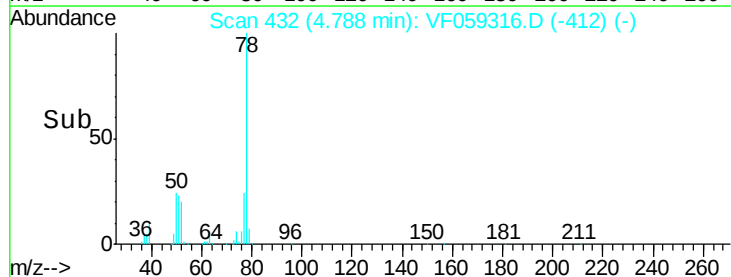
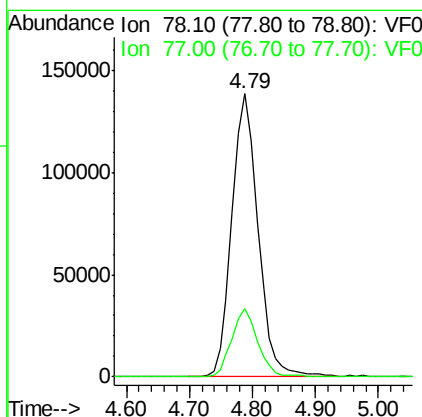
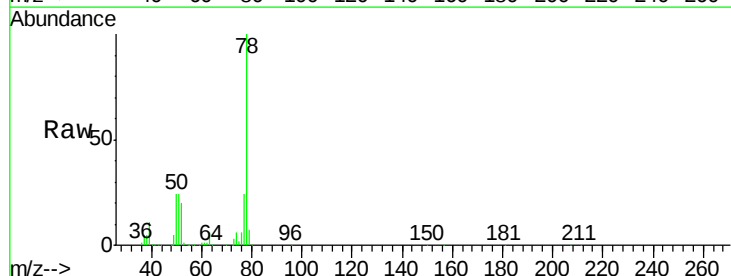
Instrument :
MSVOA_F
ClientSampleId :
WP021SB476-25-27-180619MS

Tot Ion: 83 Resp: 157552
Ion Ratio Lower Upper
83 100
55 90.1 69.2 103.8
98 44.9 35.0 52.6



#40
Benzene
Concen: 49.866 ug/l
RT: 4.79 min Scan# 432
Delta R.T. -0.00 min
Lab File: VF059316.D
Acq: 26 Jun 2018 14:55

Tgt Ion: 78 Resp: 398242
Ion Ratio Lower Upper
78 100
77 24.1 19.6 29.4





#41

Methacrylonitrile

Concen: 49.331 ug/l

RT: 4.90 min Scan# 443

Delta R.T. -0.01 min

Lab File: VF059316.D

Acq: 26 Jun 2018 14:55

Instrument :

MSVOA_F

ClientSampleId :

WP021SB476-25-27-180619MS

Tot Ion: 41 Resp: 60611

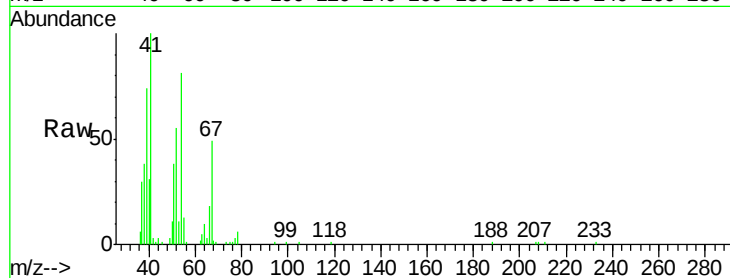
Ion Ratio Lower Upper

41 100

39 74.2 50.0 75.0

67 48.8 37.0 55.6

52 55.1 37.1 55.7

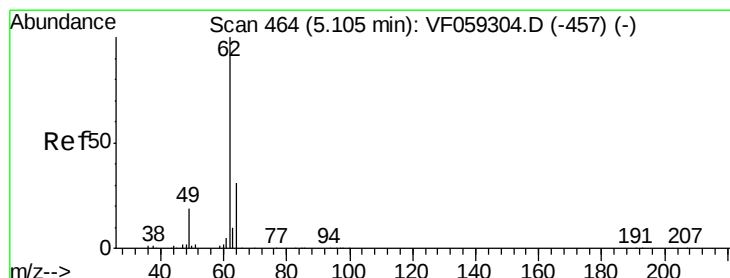
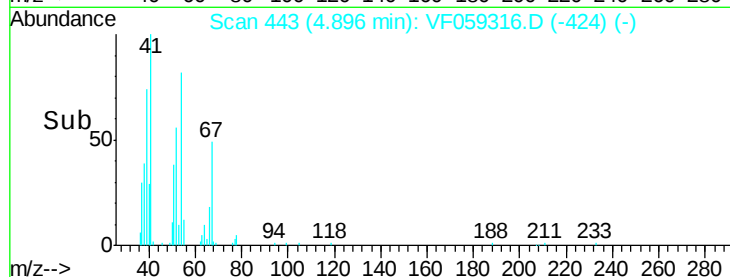
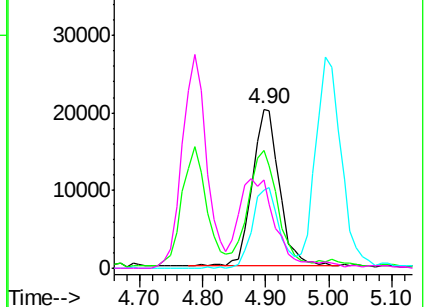


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 51.375 ug/l

RT: 5.09 min Scan# 463

Delta R.T. -0.01 min

Lab File: VF059316.D

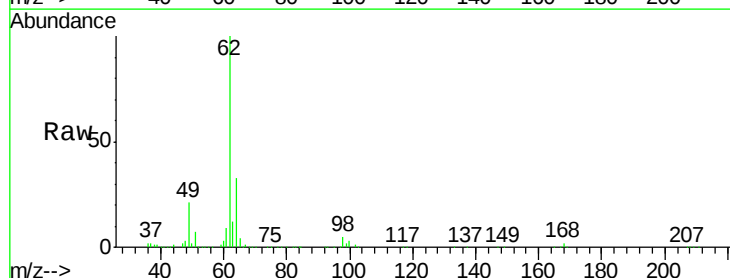
Acq: 26 Jun 2018 14:55

Tgt Ion: 62 Resp: 239748

Ion Ratio Lower Upper

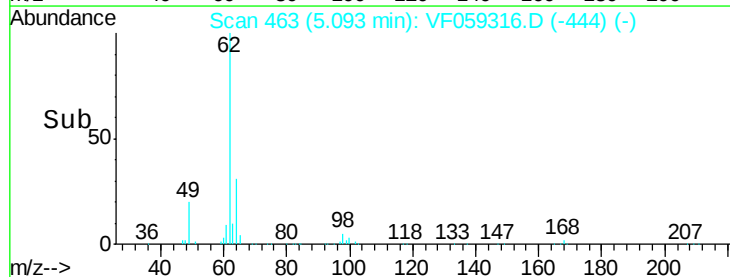
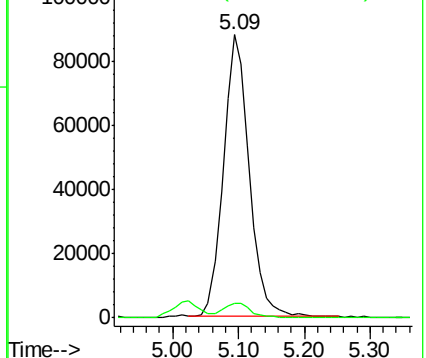
62 100

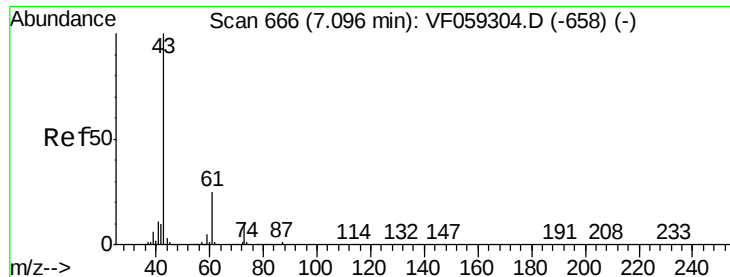
98 5.2 0.0 11.4



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



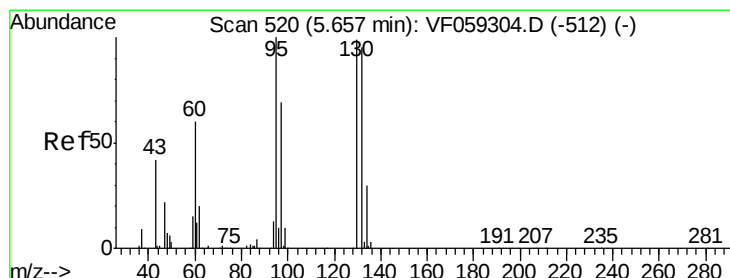
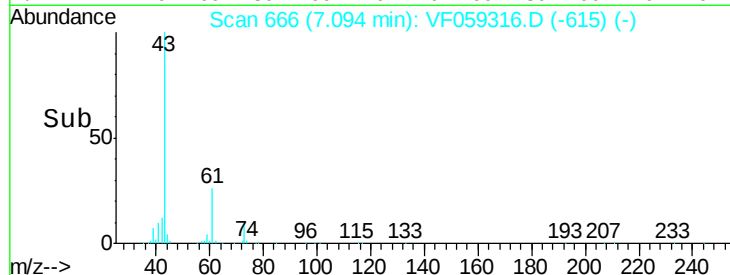
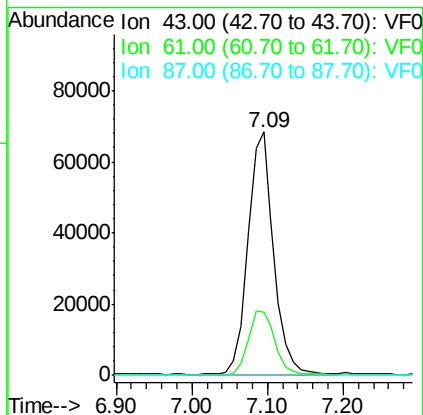
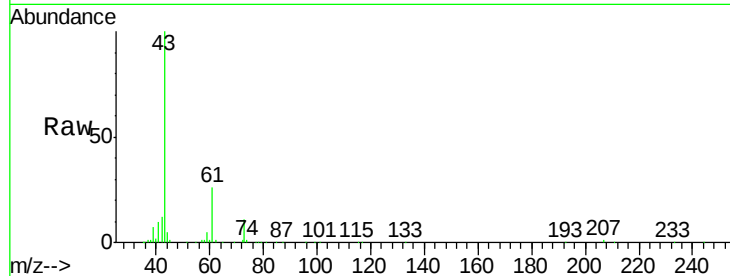


#43

Isopropyl Acetate
 Concen: 53.316 ug/l
 RT: 7.09 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VF059316.D
 Acq: 26 Jun 2018 14:55

Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB476-25-27-180619MS

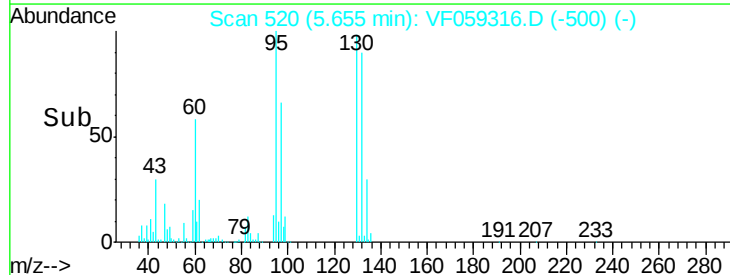
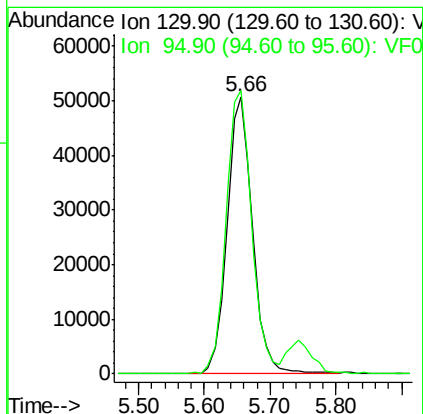
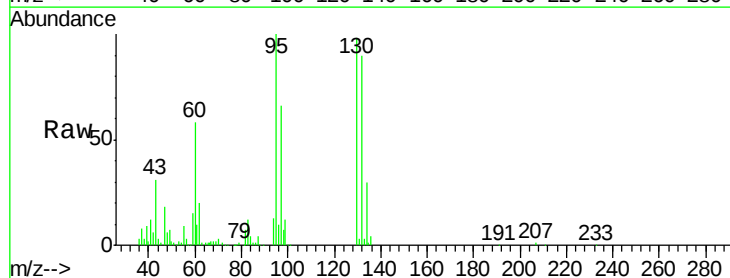
Tot Ion: 43 Resp: 159960
 Ion Ratio Lower Upper
 43 100
 61 26.0 19.7 29.5
 87 0.2 0.5 0.7#

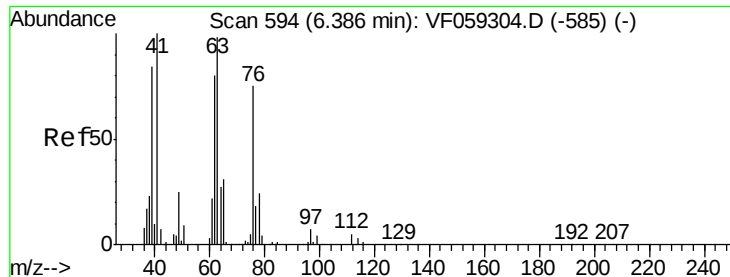


#44

Trichloroethene
 Concen: 49.949 ug/l
 RT: 5.66 min Scan# 520
 Delta R.T. -0.00 min
 Lab File: VF059316.D
 Acq: 26 Jun 2018 14:55

Tgt Ion: 130 Resp: 136840
 Ion Ratio Lower Upper
 130 100
 95 102.1 0.0 202.4





#45

1,2-Dichloropropane

Concen: 54.209 ug/l

RT: 6.38 min Scan# 594

Delta R.T. -0.00 min

Lab File: VF059316.D

Acq: 26 Jun 2018 14:55

Instrument :

MSVOA_F

ClientSampleId :

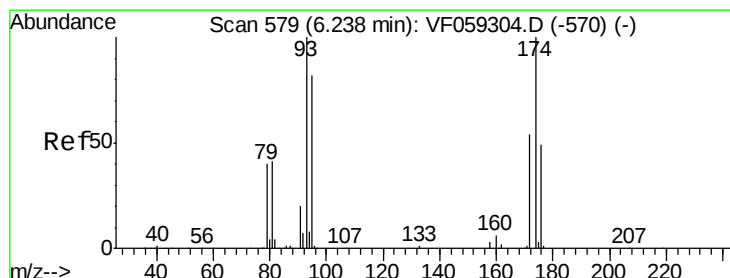
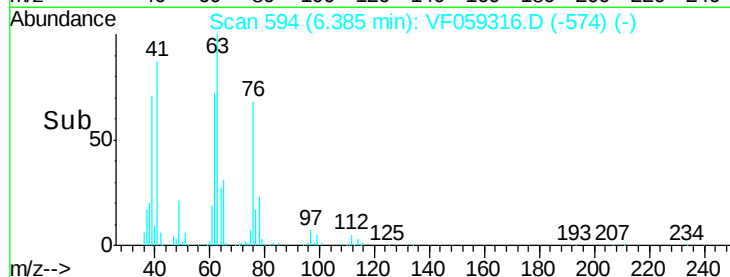
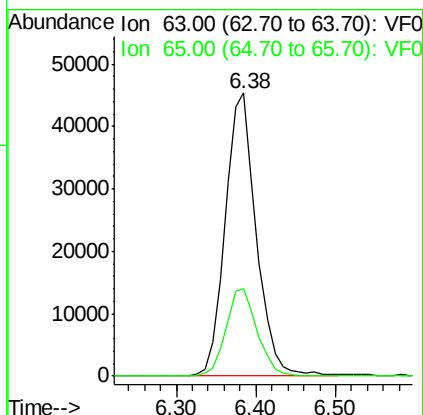
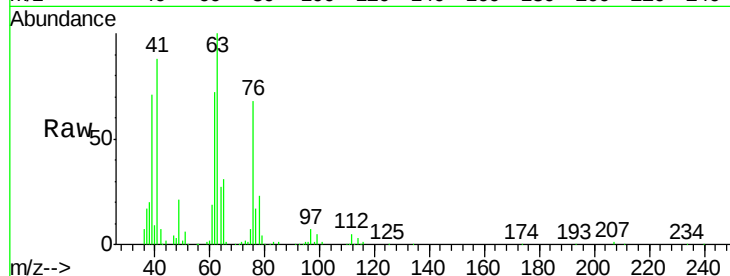
WP021SB476-25-27-180619MS

Tot Ion: 63 Resp: 123691

Ion Ratio Lower Upper

63 100

65 30.7 25.3 37.9



#46

Dibromomethane

Concen: 52.161 ug/l

RT: 6.24 min Scan# 579

Delta R.T. -0.00 min

Lab File: VF059316.D

Acq: 26 Jun 2018 14:55

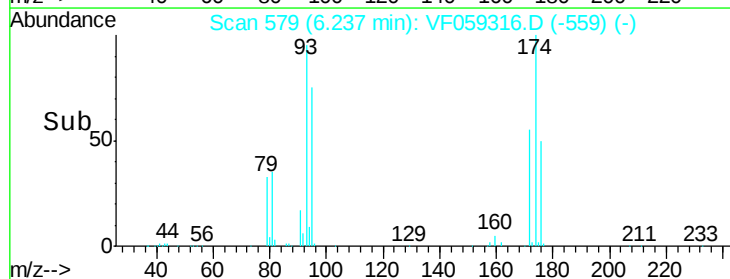
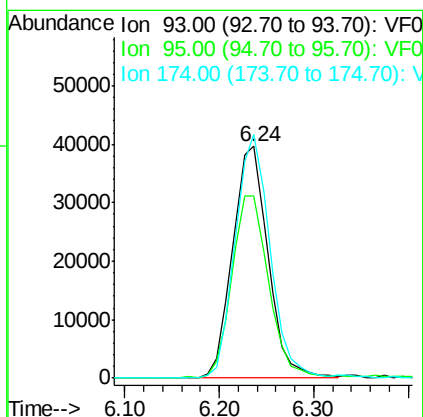
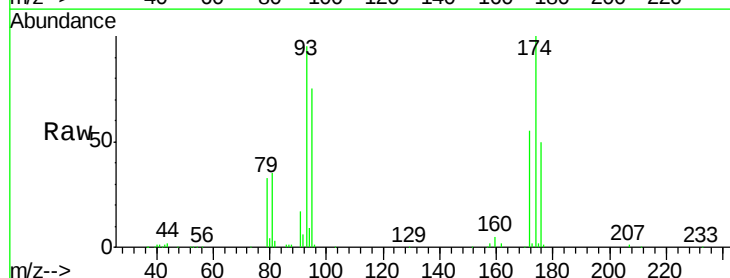
Tgt Ion: 93 Resp: 103301

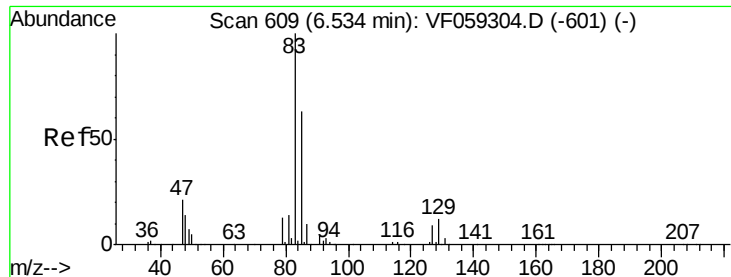
Ion Ratio Lower Upper

93 100

95 79.9 65.6 98.4

174 105.0 80.0 120.0





#47

Bromodichloromethane

Concen: 51.345 ug/l

RT: 6.52 min Scan# 608

Delta R.T. -0.01 min

Lab File: VF059316.D

Acq: 26 Jun 2018 14:55

Instrument :

MSVOA_F

ClientSampleId :

WP021SB476-25-27-180619MS

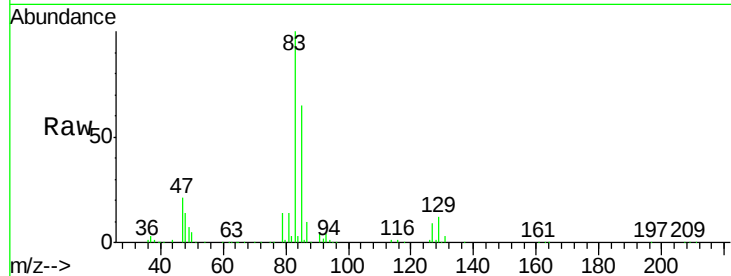
Tot Ion: 83 Resp: 246144

Ion Ratio Lower Upper

83 100

85 64.6 50.2 75.2

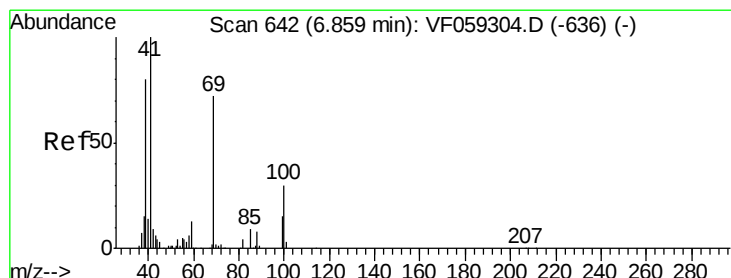
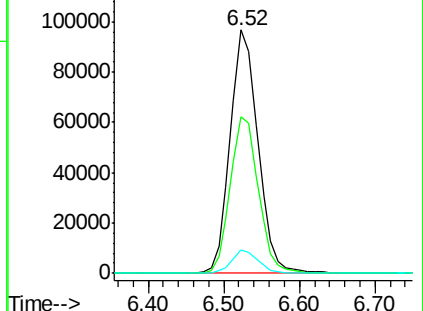
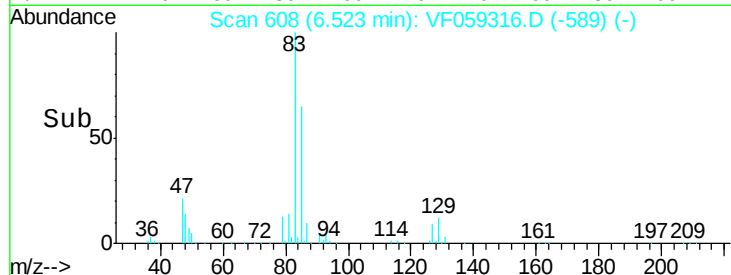
127 9.4 7.0 10.4



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: 54.815 ug/l

RT: 6.85 min Scan# 641

Delta R.T. -0.01 min

Lab File: VF059316.D

Acq: 26 Jun 2018 14:55

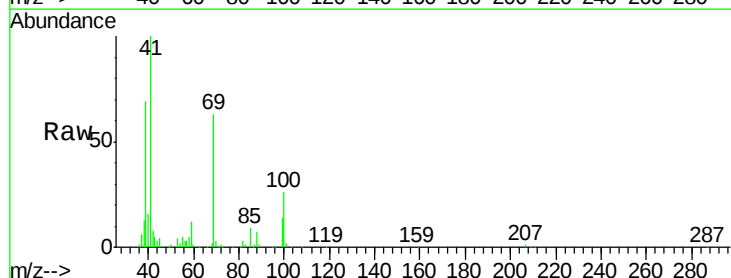
Tgt Ion: 41 Resp: 110223

Ion Ratio Lower Upper

41 100

69 62.9 57.3 85.9

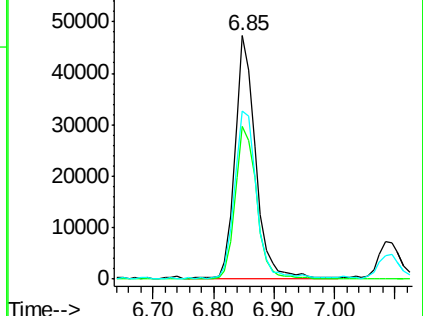
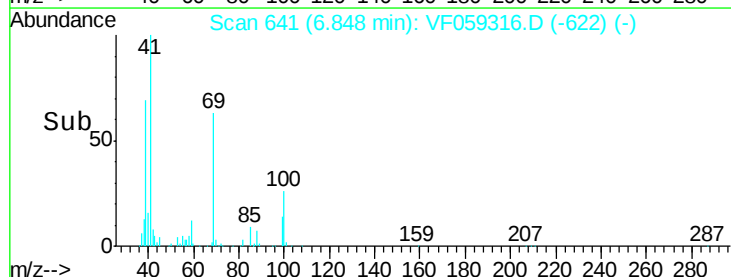
39 68.9 64.4 96.6

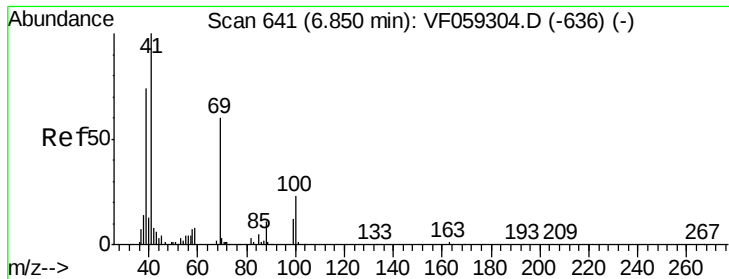


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 985.222 ug/l

RT: 6.84 min Scan# 640

Delta R.T. -0.01 min

Lab File: VF059316.D

Acq: 26 Jun 2018 14:55

Instrument :

MSVOA_F

ClientSampleId :

WP021SB476-25-27-180619MS

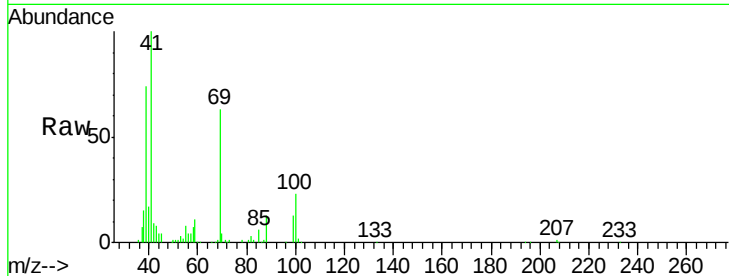
Tot Ion: 88 Resp: 10577

Ion Ratio Lower Upper

88 100

43 59.3 50.6 75.8

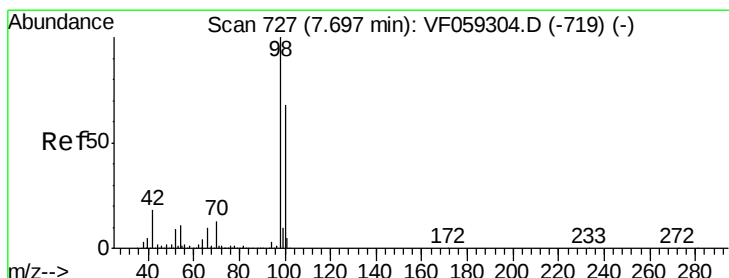
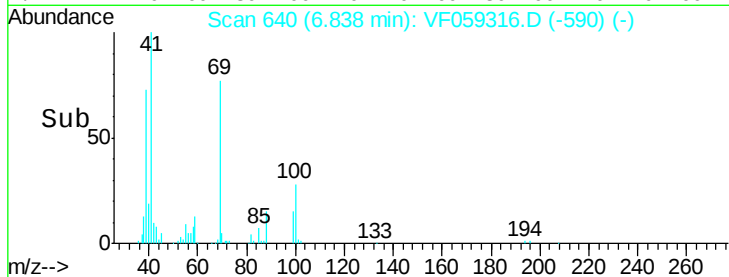
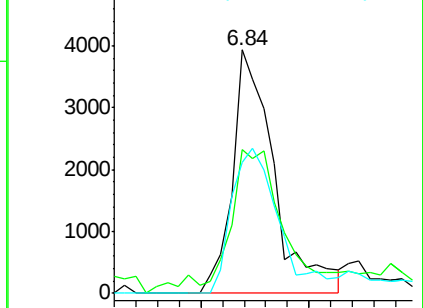
58 54.0 46.6 69.8



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 47.946 ug/l

RT: 7.69 min Scan# 726

Delta R.T. -0.01 min

Lab File: VF059316.D

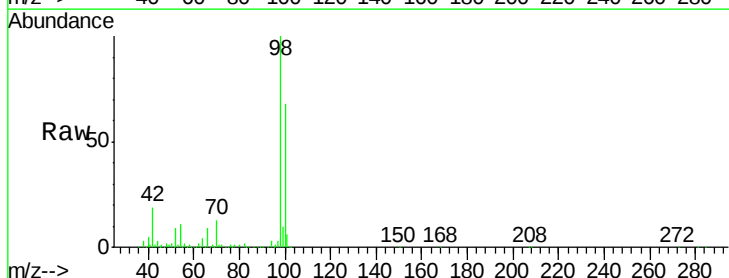
Acq: 26 Jun 2018 14:55

Tgt Ion: 98 Resp: 357631

Ion Ratio Lower Upper

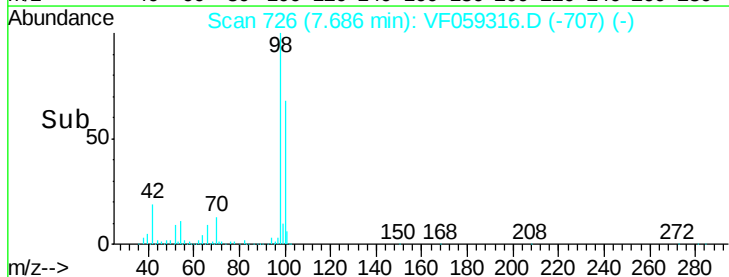
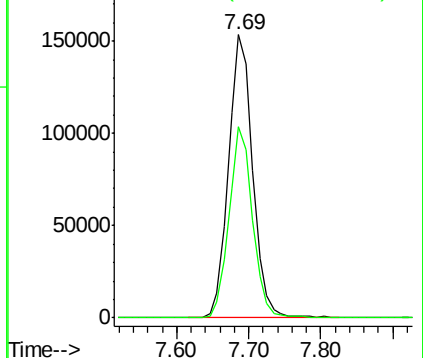
98 100

100 67.8 54.6 82.0



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: 277.049 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.00 min

Lab File: VF059316.D

Acq: 26 Jun 2018 14:55

Instrument :

MSVOA_F

ClientSampleId :

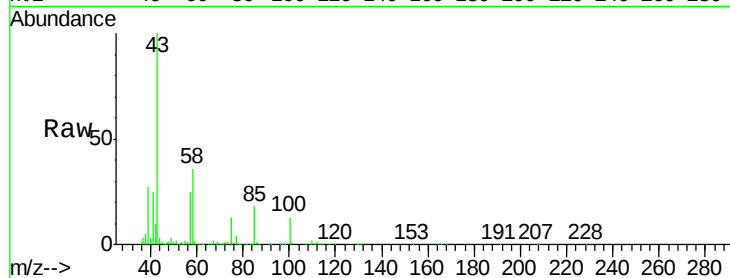
WP021SB476-25-27-180619MS

Tot Ion: 43 Resp: 615799

Ion Ratio Lower Upper

43 100

58 36.3 28.4 42.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.39

250000

200000

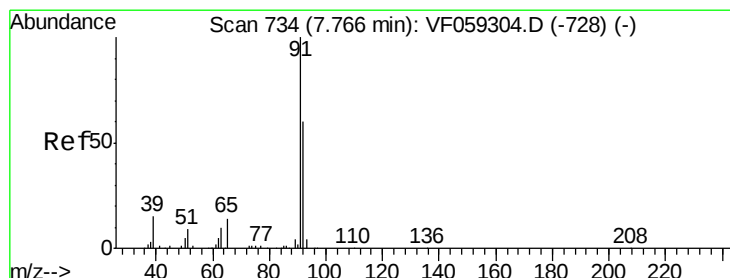
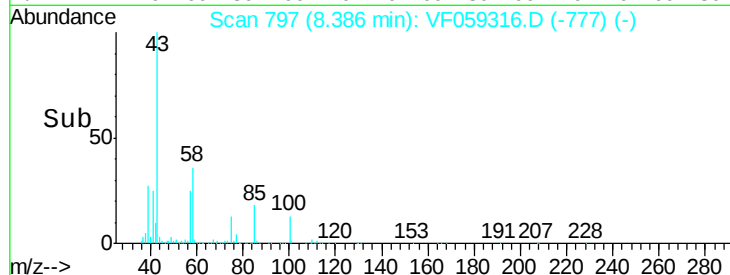
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 50.871 ug/l

RT: 7.75 min Scan# 733

Delta R.T. -0.01 min

Lab File: VF059316.D

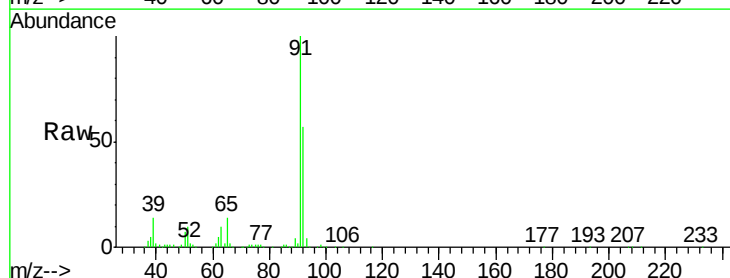
Acq: 26 Jun 2018 14:55

Tgt Ion: 92 Resp: 304000

Ion Ratio Lower Upper

92 100

91 174.0 132.8 199.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

250000

200000

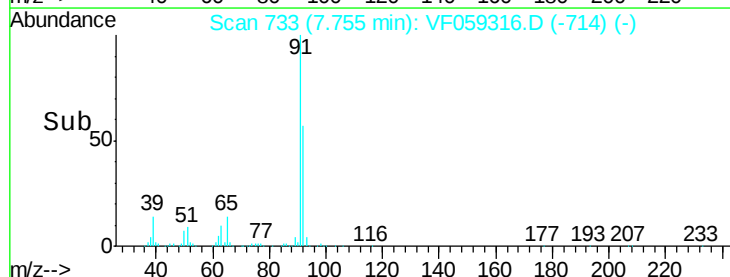
150000

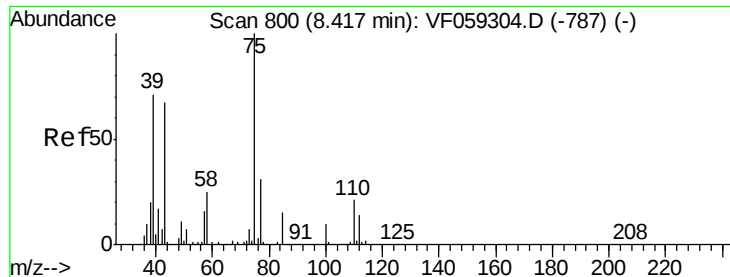
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 53.187 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.01 min

Lab File: VF059316.D

Acq: 26 Jun 2018 14:55

Instrument :

MSVOA_F

ClientSampleId :

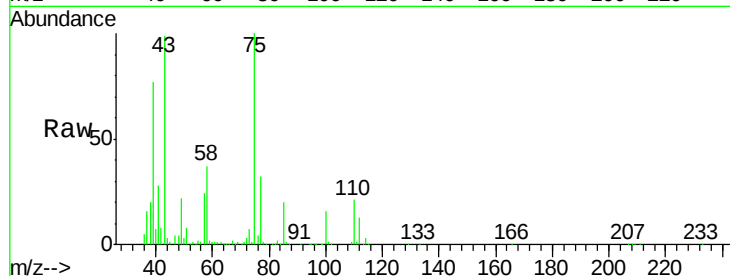
WP021SB476-25-27-180619MS

Tot Ion: 75 Resp: 232415

Ion Ratio Lower Upper

75 100

77 31.8 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.41

120000

100000

80000

60000

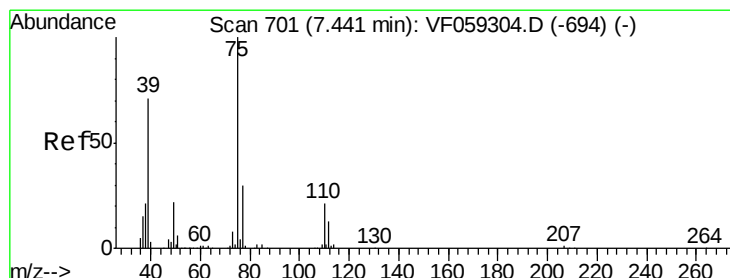
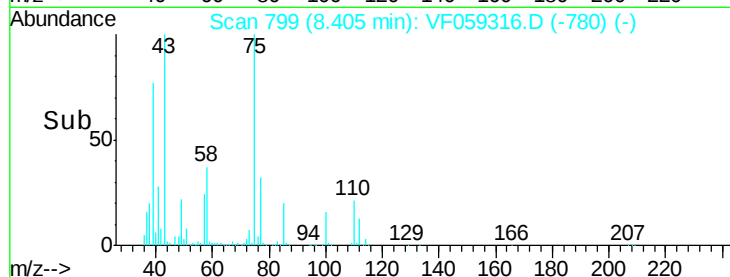
40000

20000

0

Time-->

8.20 8.40 8.60



#54

cis-1,3-Dichloropropene

Concen: 52.573 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.00 min

Lab File: VF059316.D

Acq: 26 Jun 2018 14:55

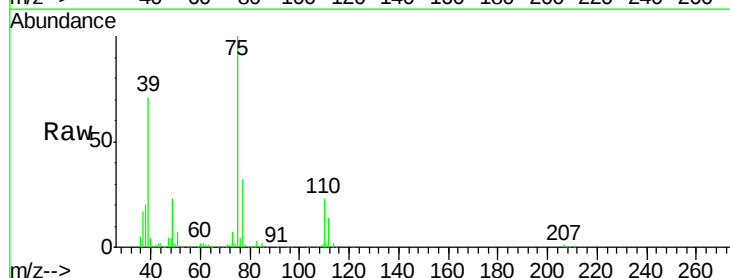
Tgt Ion: 75 Resp: 249537

Ion Ratio Lower Upper

75 100

77 32.4 24.3 36.5

39 70.6 57.2 85.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

7.44

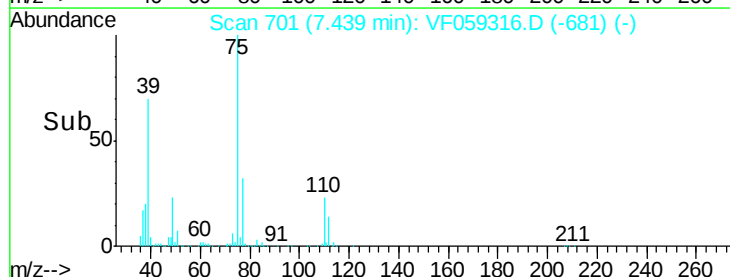
100000

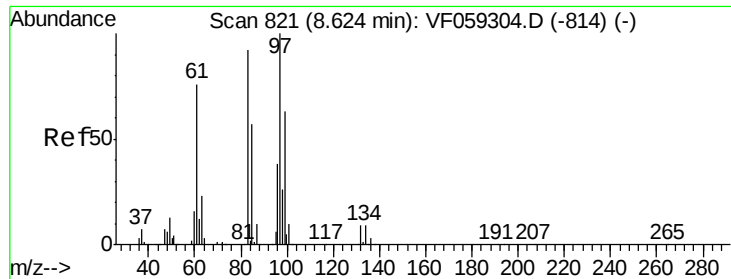
50000

0

Time-->

7.30 7.40 7.50 7.60





#55

1,1,2-Trichloroethane

Concen: 53.338 ug/l

RT: 8.61 min Scan# 820

Delta R.T. -0.01 min

Lab File: VF059316.D

Acq: 26 Jun 2018 14:55

Instrument :

MSVOA_F

ClientSampleId :

WP021SB476-25-27-180619MS

Tot Ion: 97 Resp: 123757

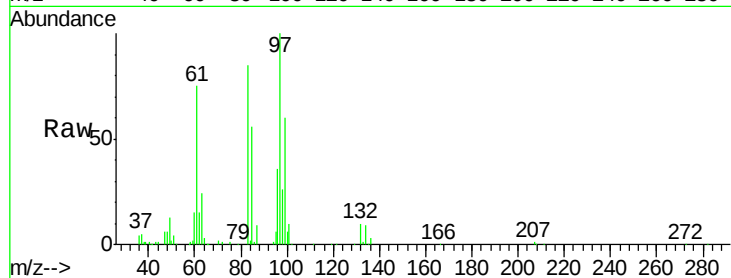
Ion Ratio Lower Upper

97 100

83 85.4 73.8 110.8

85 55.6 45.5 68.3

99 60.4 50.7 76.1

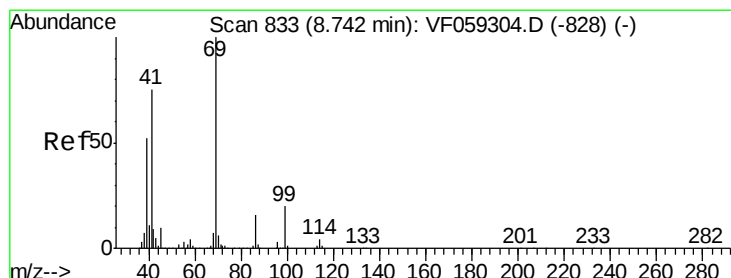
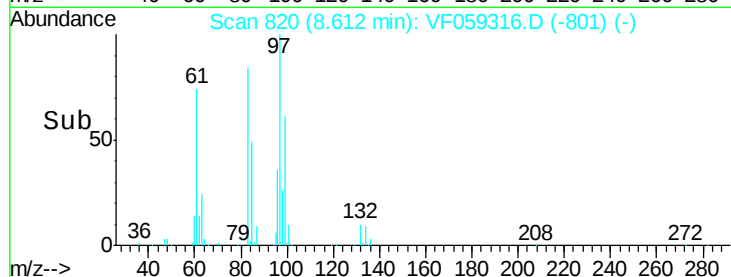
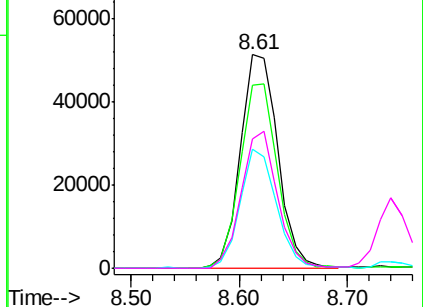


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 55.910 ug/l

RT: 8.74 min Scan# 833

Delta R.T. -0.00 min

Lab File: VF059316.D

Acq: 26 Jun 2018 14:55

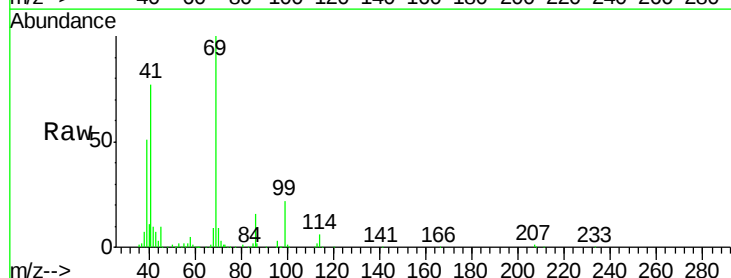
Tgt Ion: 69 Resp: 160700

Ion Ratio Lower Upper

69 100

41 76.9 60.3 90.5

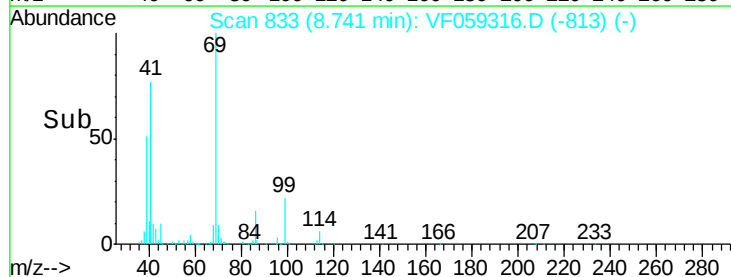
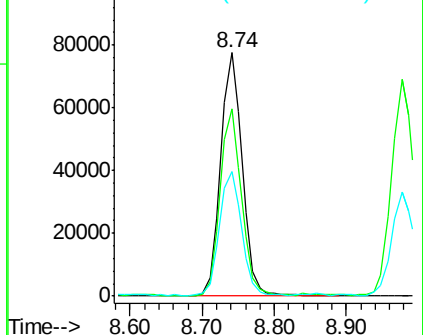
39 51.1 42.2 63.4

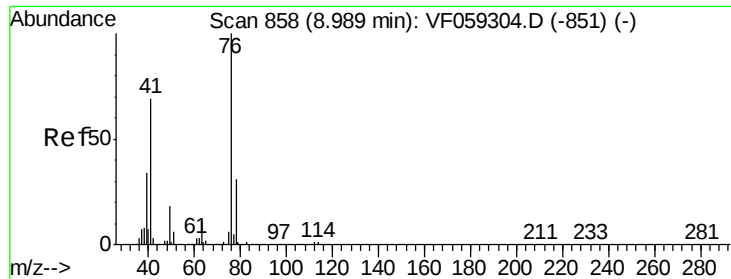


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

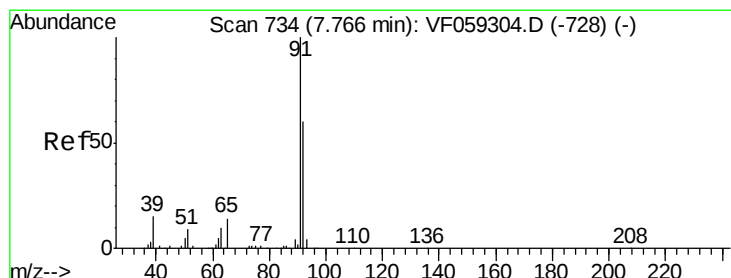
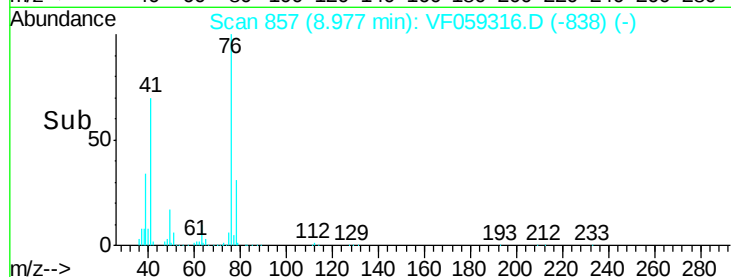
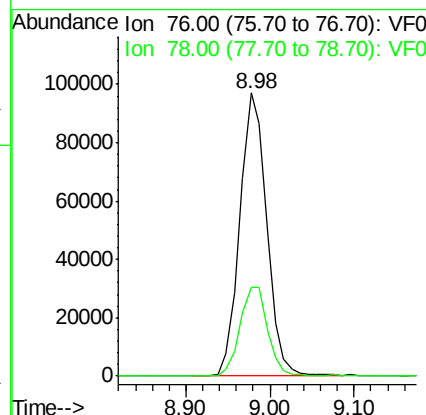
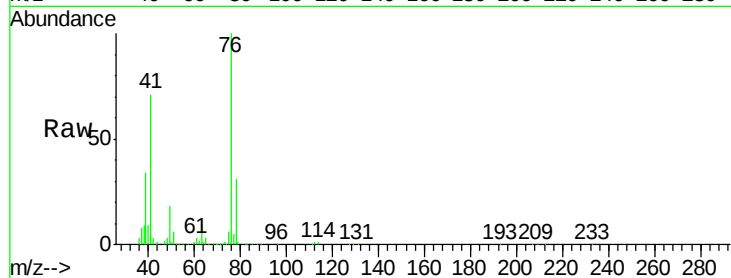




#57
 1,3-Dichloropropane
 Concen: 54.497 ug/l
 RT: 8.98 min Scan# 857
 Delta R.T. -0.01 min
 Lab File: VF059316.D
 Acq: 26 Jun 2018 14:55

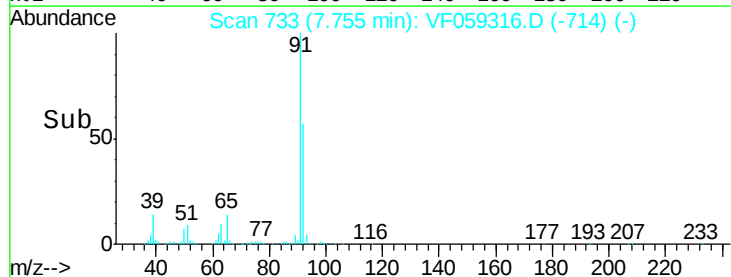
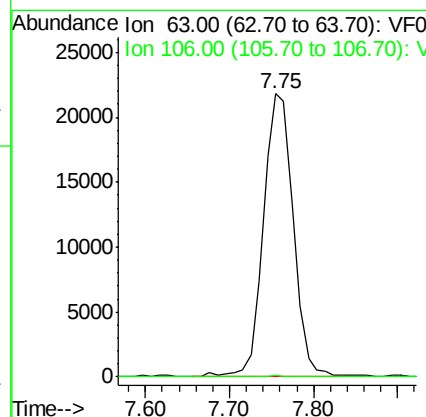
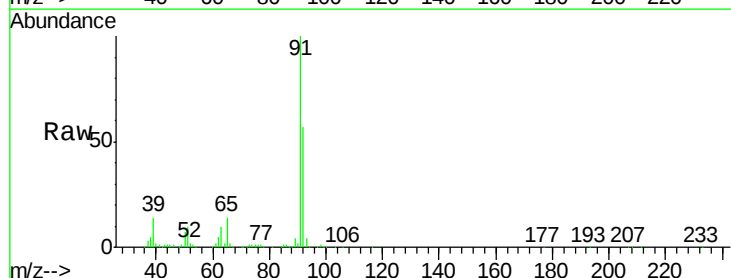
Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB476-25-27-180619MS

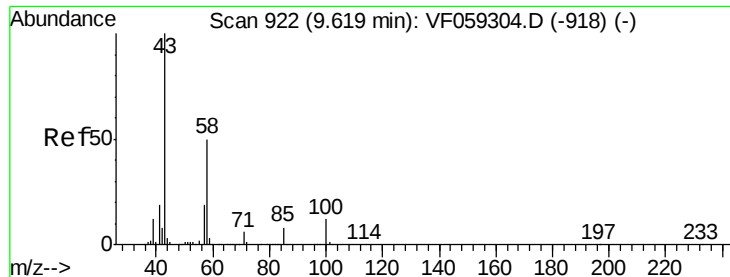
Tot Ion: 76 Resp: 216861
 Ion Ratio Lower Upper
 76 100
 78 31.2 24.9 37.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 252.643 ug/l
 RT: 7.75 min Scan# 733
 Delta R.T. -0.01 min
 Lab File: VF059316.D
 Acq: 26 Jun 2018 14:55

Tgt Ion: 63 Resp: 54461
 Ion Ratio Lower Upper
 63 100
 106 0.5 0.0 0.0#

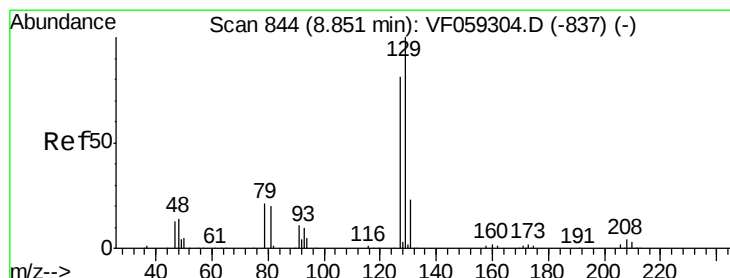
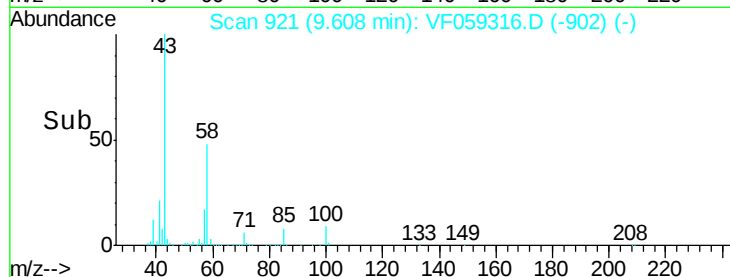
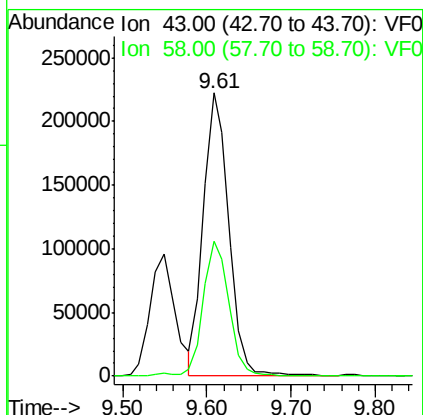
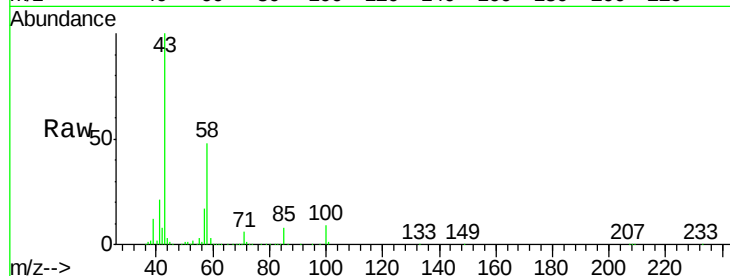




#59
2-Hexanone
Concen: 278.888 ug/l
RT: 9.61 min Scan# 921
Delta R.T. -0.01 min
Lab File: VF059316.D
Acq: 26 Jun 2018 14:55

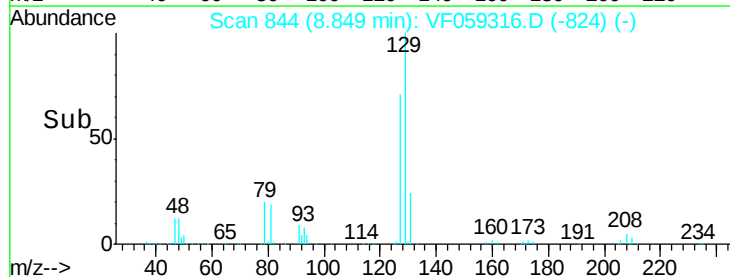
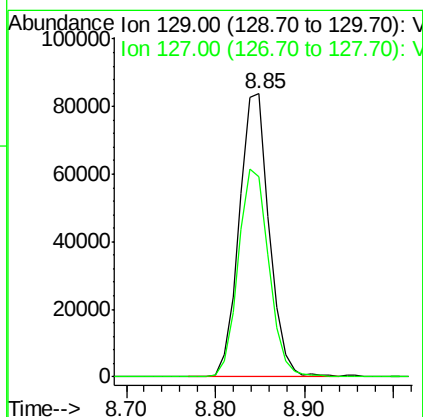
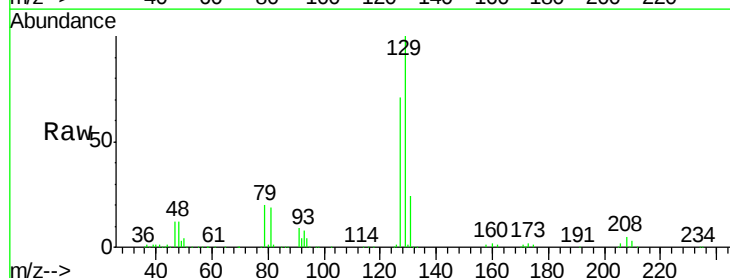
Instrument :
MSVOA_F
ClientSampleId :
WP021SB476-25-27-180619MS

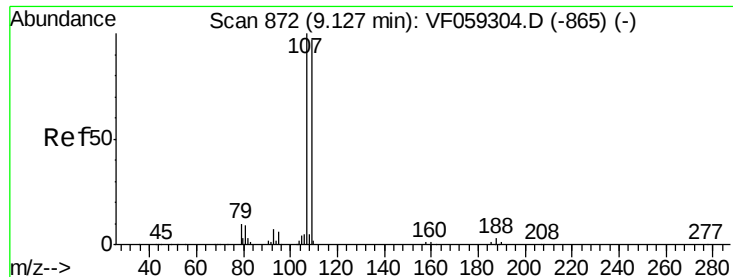
Tot Ion: 43 Resp: 462435
Ion Ratio Lower Upper
43 100
58 47.6 23.3 69.9



#60
Dibromochloromethane
Concen: 54.684 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.00 min
Lab File: VF059316.D
Acq: 26 Jun 2018 14:55

Tgt Ion: 129 Resp: 195882
Ion Ratio Lower Upper
129 100
127 70.5 40.7 122.1





#61

1,2-Dibromoethane

Concen: 53.483 ug/l

RT: 9.12 min Scan# 871

Delta R.T. -0.01 min

Lab File: VF059316.D

Acq: 26 Jun 2018 14:55

Instrument :

MSVOA_F

ClientSampleId :

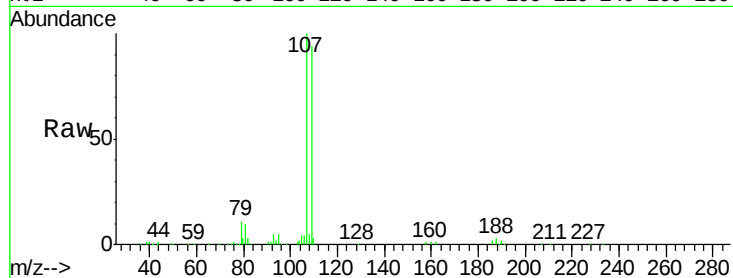
WP021SB476-25-27-180619MS

Tot Ion:107 Resp: 150498

Ion Ratio Lower Upper

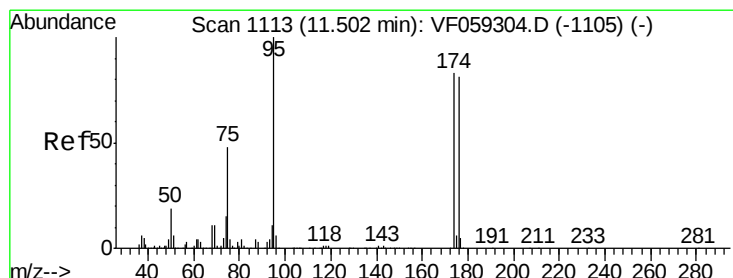
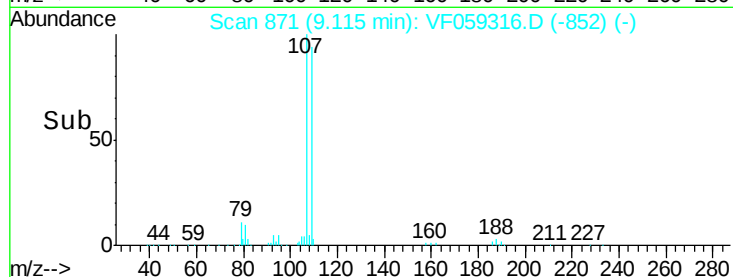
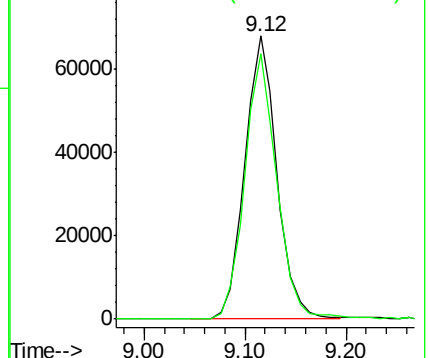
107 100

109 93.8 77.3 115.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 46.644 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF059316.D

Acq: 26 Jun 2018 14:55

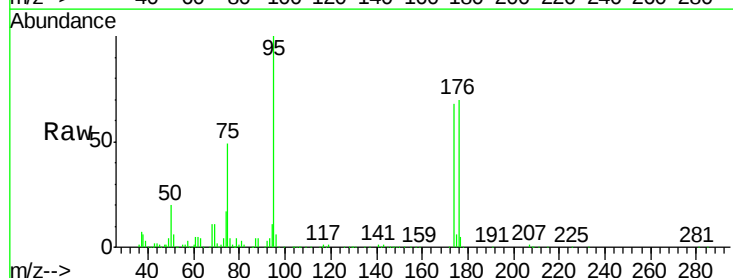
Tgt Ion: 95 Resp: 196260

Ion Ratio Lower Upper

95 100

174 68.5 0.0 165.2

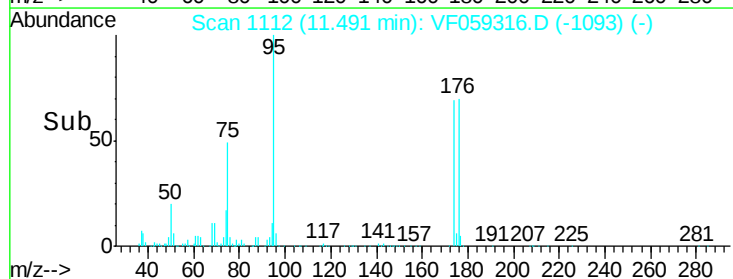
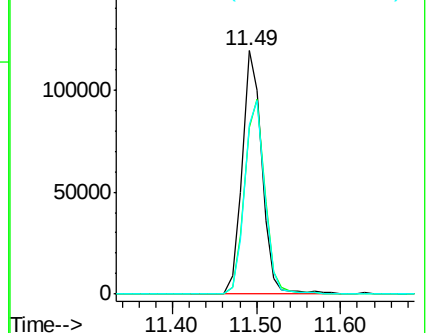
176 69.6 0.0 161.0

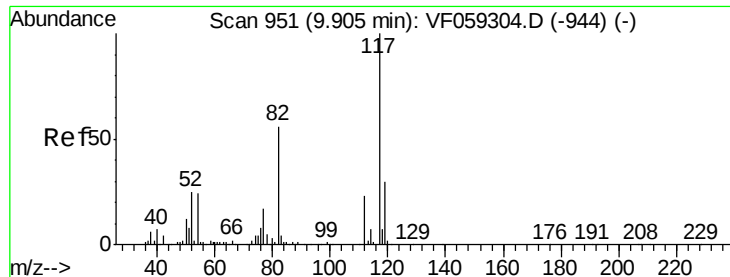


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

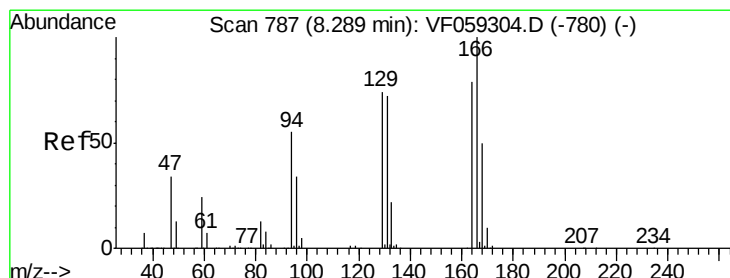
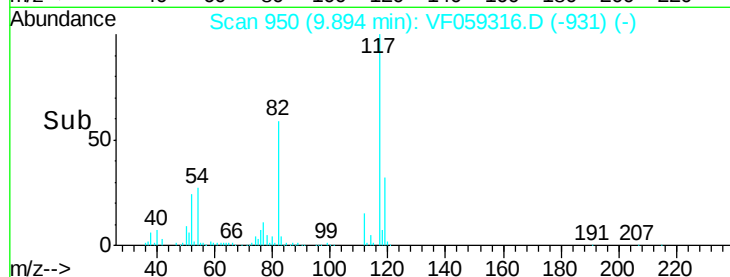
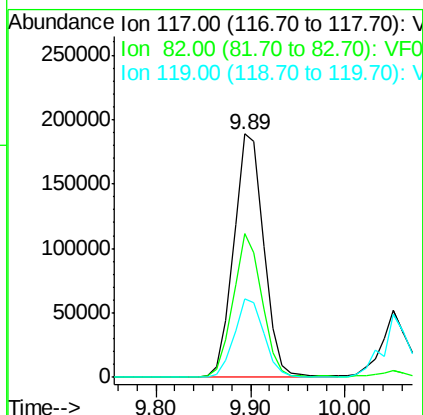
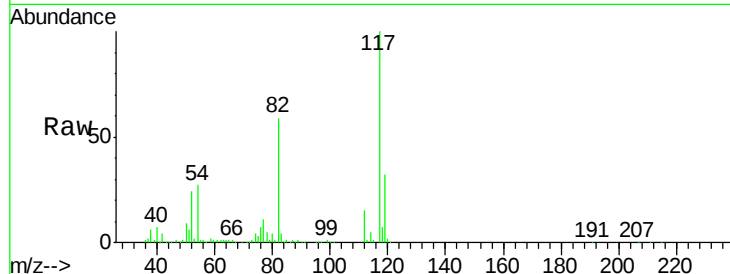




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 950
Delta R.T. -0.01 min
Lab File: VF059316.D
Acq: 26 Jun 2018 14:55

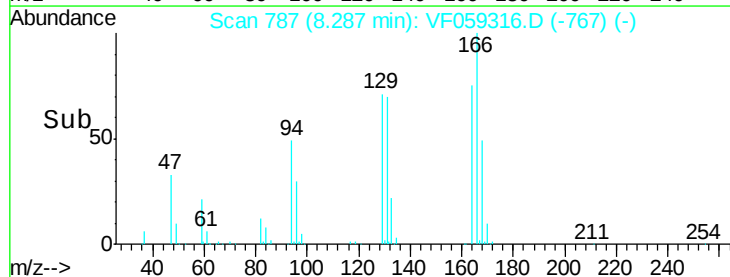
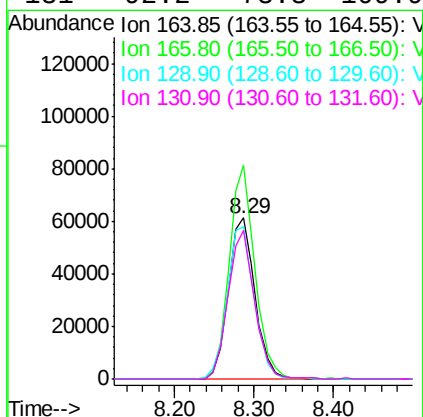
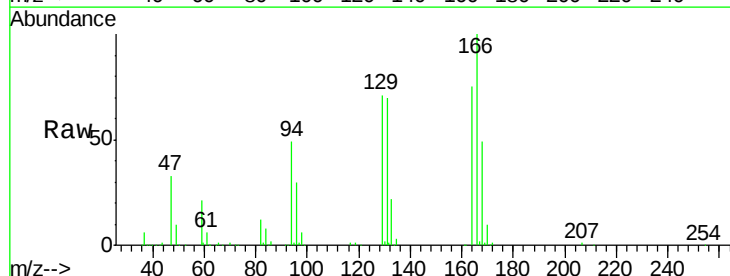
Instrument :
MSVOA_F
ClientSampleId :
WP021SB476-25-27-180619MS

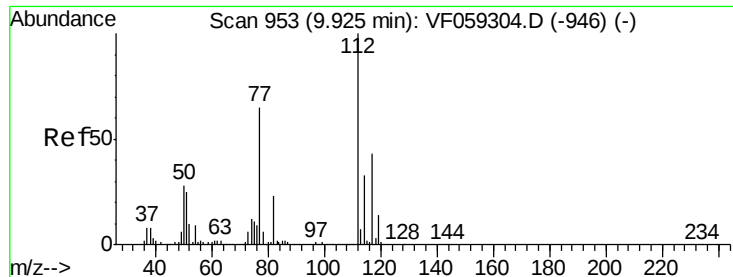
Tot Ion	Ratio	Lower	Upper
117	100		
82	59.2	44.6	66.8
119	32.1	24.1	36.1



#64
Tetrachloroethene
Concen: 53.163 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.00 min
Lab File: VF059316.D
Acq: 26 Jun 2018 14:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.6	101.1	151.7
129	94.5	75.0	112.4
131	92.2	73.3	109.9

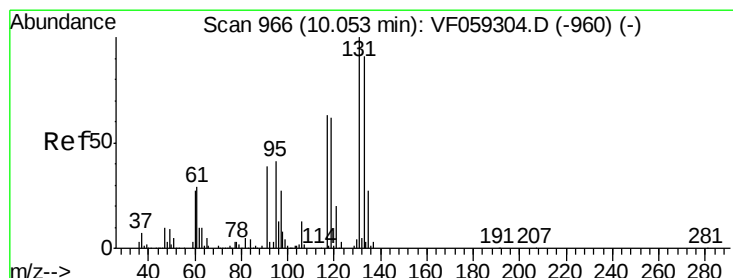
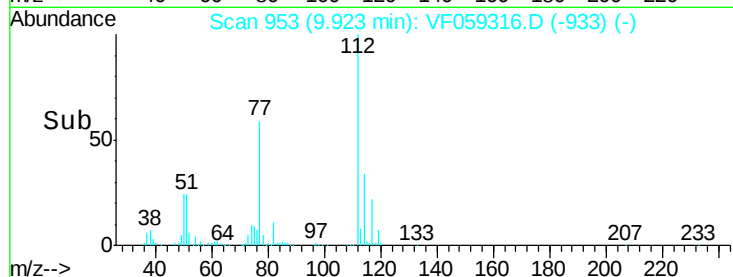
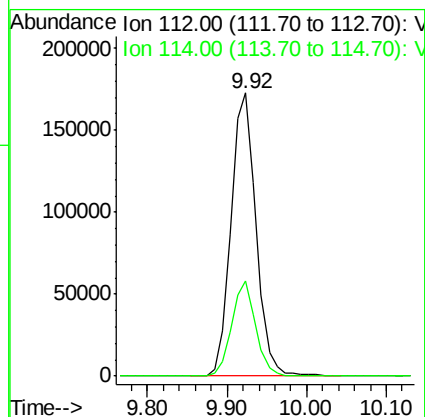
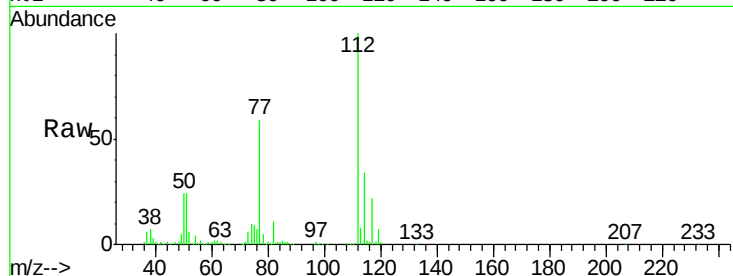




#65
Chlorobenzene
Concen: 49.472 ug/l
RT: 9.92 min Scan# 953
Delta R.T. -0.00 min
Lab File: VF059316.D
Acq: 26 Jun 2018 14:55

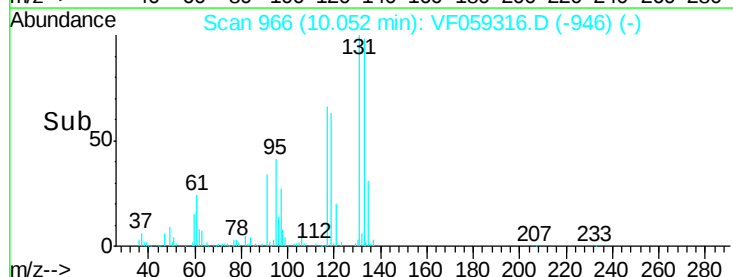
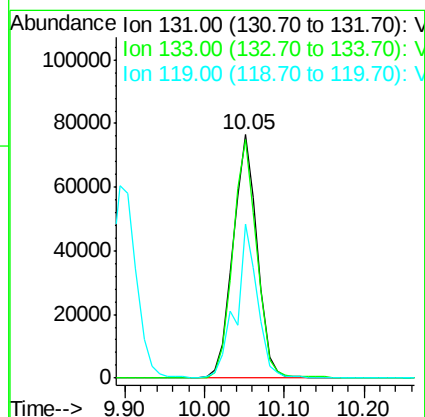
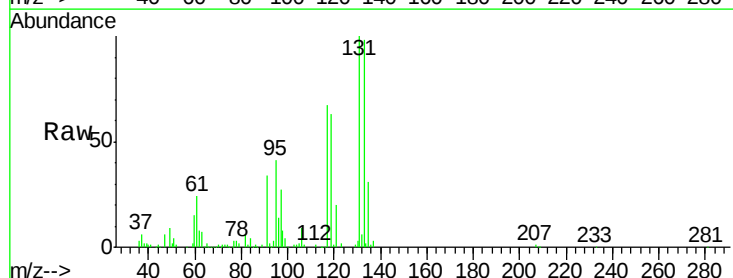
Instrument :
MSVOA_F
ClientSampleId :
WP021SB476-25-27-180619MS

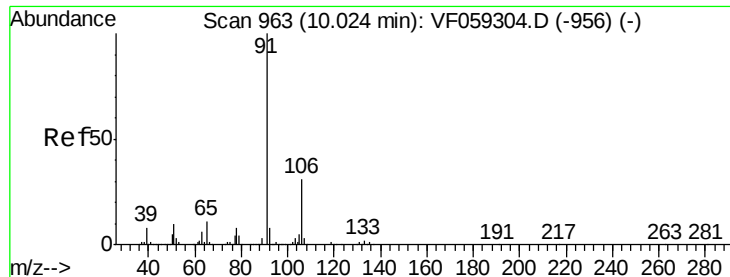
Tot Ion:112 Resp: 381337
Ion Ratio Lower Upper
112 100
114 33.6 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 48.978 ug/l
RT: 10.05 min Scan# 966
Delta R.T. -0.00 min
Lab File: VF059316.D
Acq: 26 Jun 2018 14:55

Tgt Ion:131 Resp: 163284
Ion Ratio Lower Upper
131 100
133 97.9 45.3 135.9
119 63.4 31.3 93.9





#67

Ethyl Benzene

Concen: 49.346 ug/l

RT: 10.02 min Scan# 963

Delta R.T. -0.00 min

Lab File: VF059316.D

Acq: 26 Jun 2018 14:55

Instrument :

MSVOA_F

ClientSampleId :

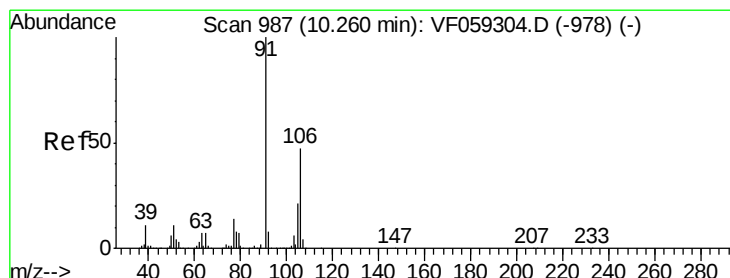
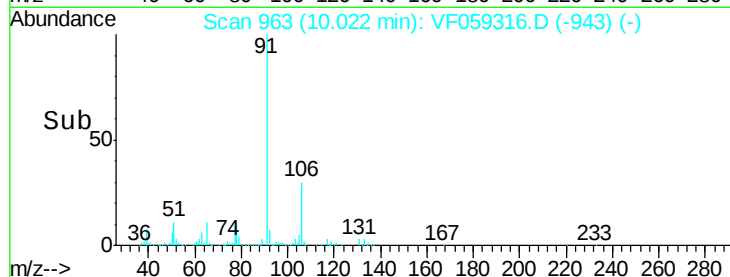
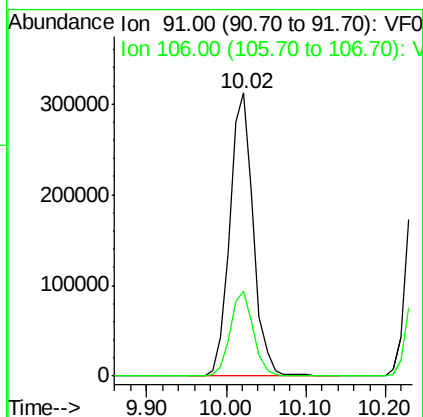
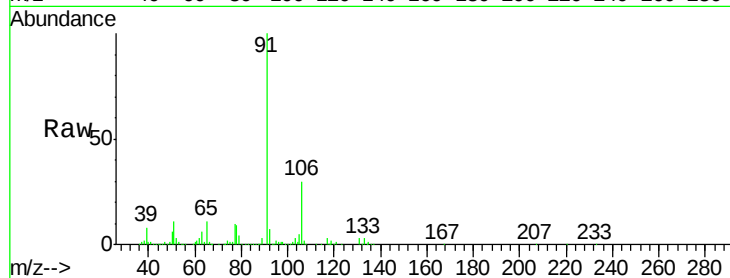
WP021SB476-25-27-180619MS

Tot Ion: 91 Resp: 645276

Ion Ratio Lower Upper

91 100

106 30.1 24.8 37.2



#68

m/p-Xylenes

Concen: 99.967 ug/l

RT: 10.25 min Scan# 986

Delta R.T. -0.01 min

Lab File: VF059316.D

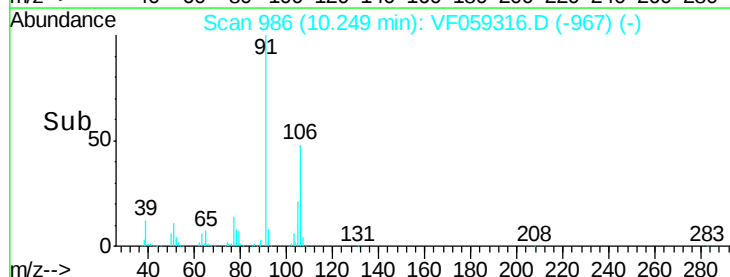
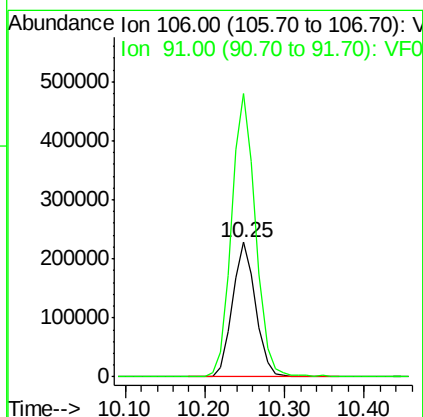
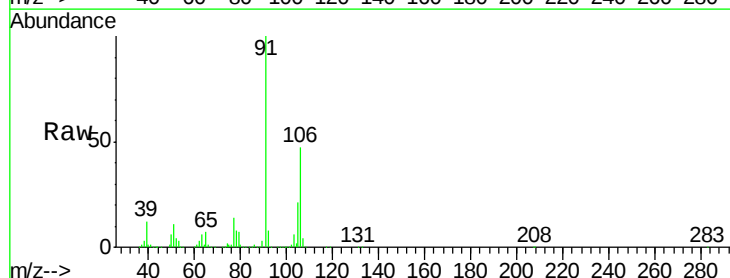
Acq: 26 Jun 2018 14:55

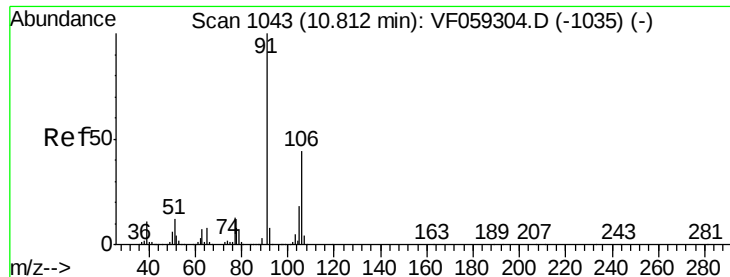
Tgt Ion: 106 Resp: 465276

Ion Ratio Lower Upper

106 100

91 210.8 170.8 256.2

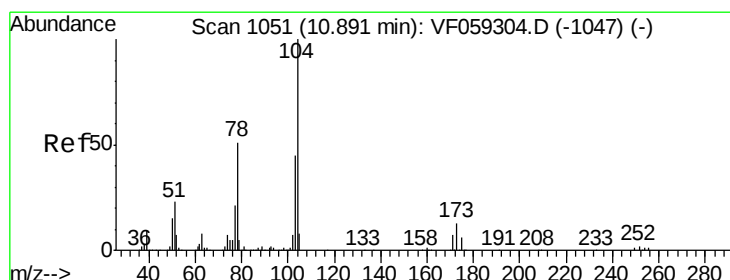
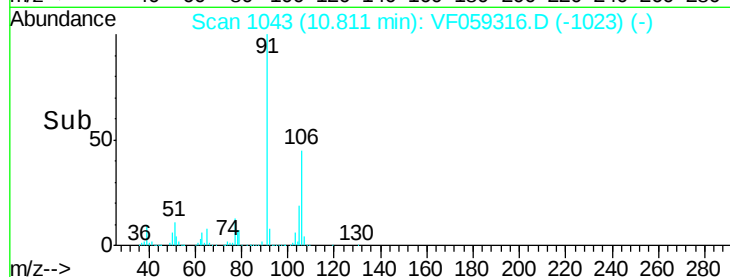
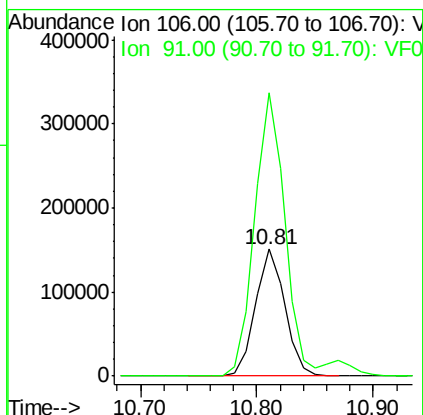
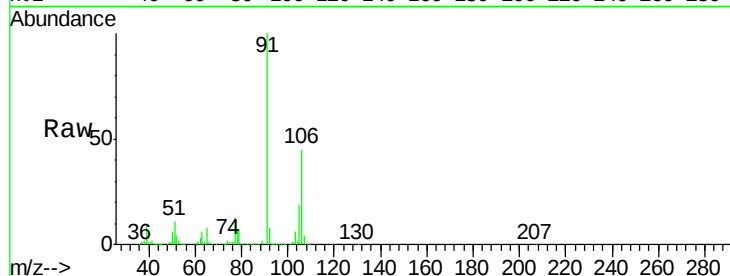




#69
o-Xylene
Concen: 50.869 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VF059316.D
Acq: 26 Jun 2018 14:55

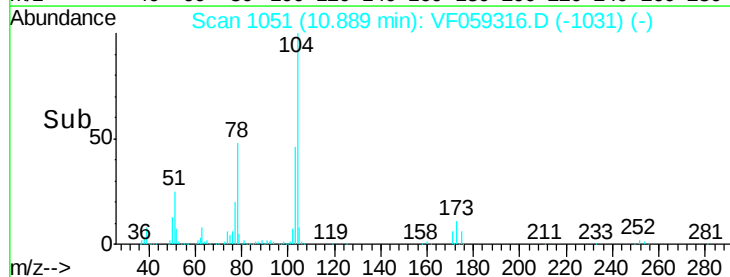
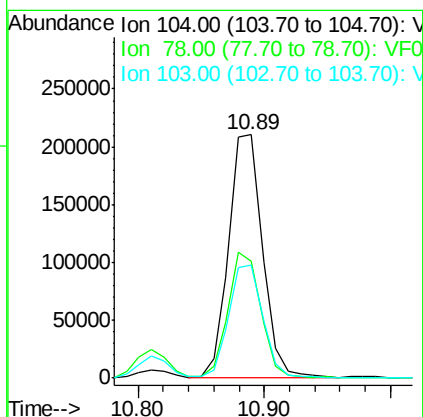
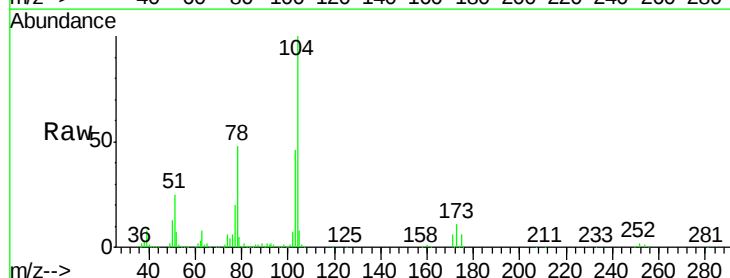
Instrument :
MSVOA_F
ClientSampleId :
WP021SB476-25-27-180619MS

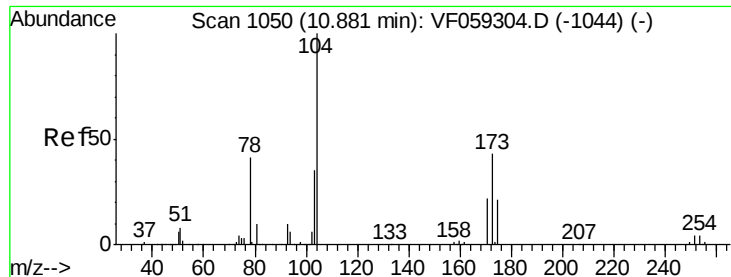
Tot Ion:106 Resp: 264820
Ion Ratio Lower Upper
106 100
91 223.5 114.6 343.6



#70
Styrene
Concen: 49.109 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF059316.D
Acq: 26 Jun 2018 14:55

Tgt Ion:104 Resp: 389438
Ion Ratio Lower Upper
104 100
78 47.8 40.9 61.3
103 46.3 36.5 54.7





#71

Bromoform

Concen: 53.818 ug/l

RT: 10.87 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VF059316.D

Acq: 26 Jun 2018 14:55

Instrument :

MSVOA_F

ClientSampleId :

WP021SB476-25-27-180619MS

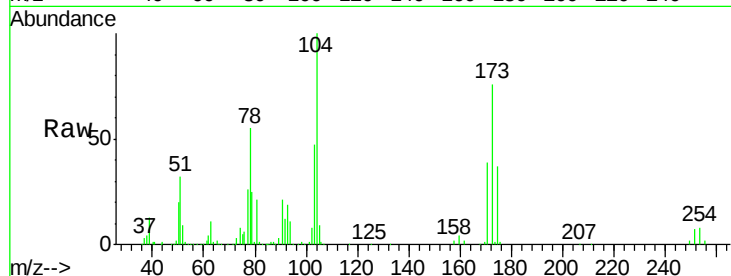
Tot Ion:173 Resp: 122978

Ion Ratio Lower Upper

173 100

175 48.9 24.8 74.3

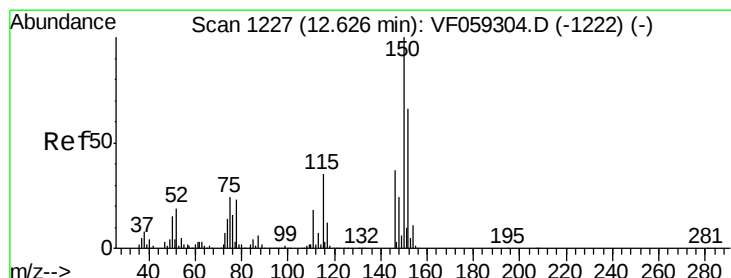
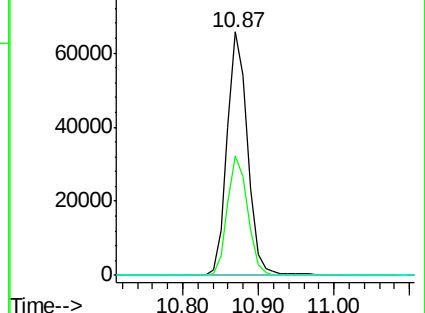
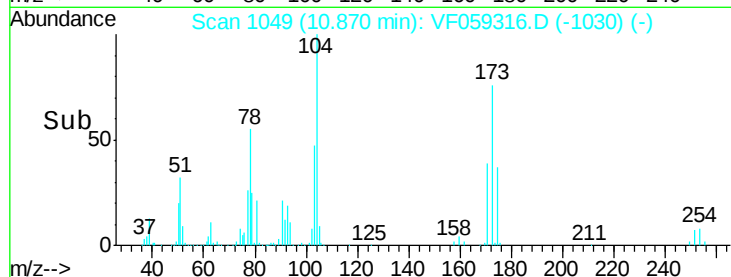
254 0.0 0.0 0.0



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: 12.61 min Scan# 1226

Delta R.T. -0.01 min

Lab File: VF059316.D

Acq: 26 Jun 2018 14:55

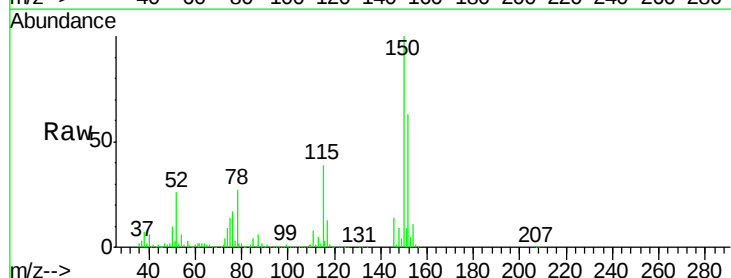
Tgt Ion:152 Resp: 251453

Ion Ratio Lower Upper

152 100

115 61.3 27.1 81.3

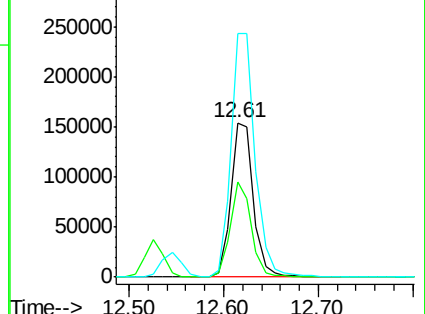
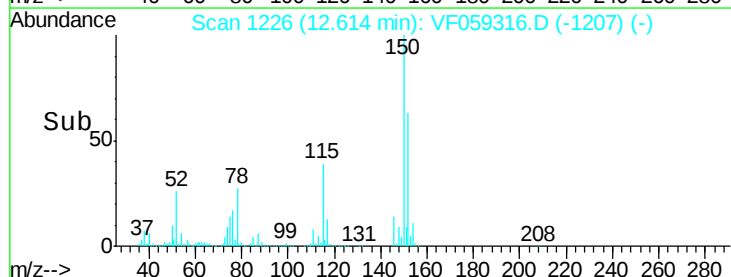
150 157.9 0.0 305.2

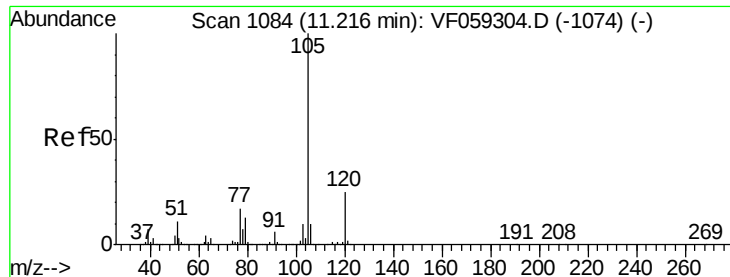


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 53.256 ug/l

RT: 11.21 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VF059316.D

Acq: 26 Jun 2018 14:55

Instrument :

MSVOA_F

ClientSampleId :

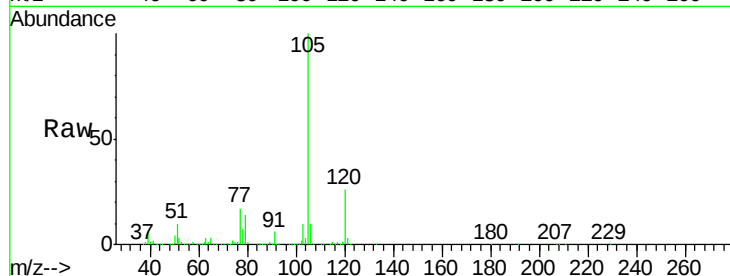
WP021SB476-25-27-180619MS

Tot Ion:105 Resp: 780153

Ion Ratio Lower Upper

105 100

120 26.0 12.3 36.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.21

400000

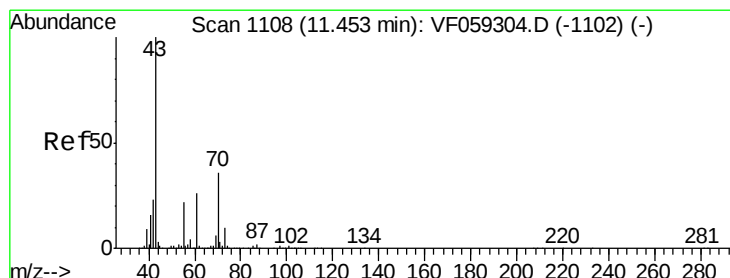
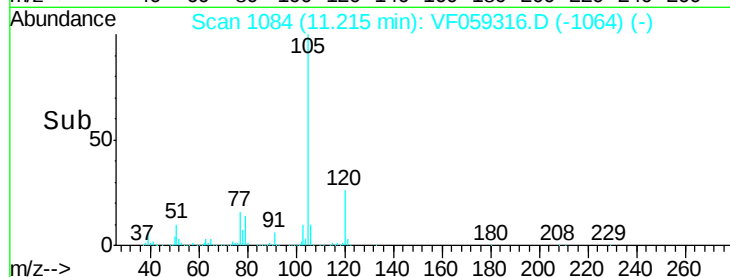
300000

200000

100000

0

Time--> 11.10 11.20 11.30 11.40



#74

N-ethyl acetate

Concen: 51.013 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF059316.D

Acq: 26 Jun 2018 14:55

Tgt Ion: 43 Resp: 271183

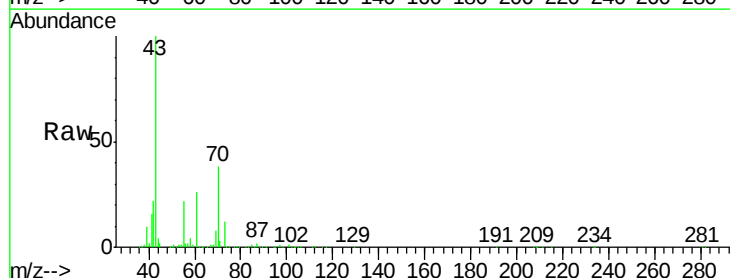
Ion Ratio Lower Upper

43 100

70 38.0 28.8 43.2

55 22.1 17.4 26.0

61 26.1 21.1 31.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

11.45

250000

200000

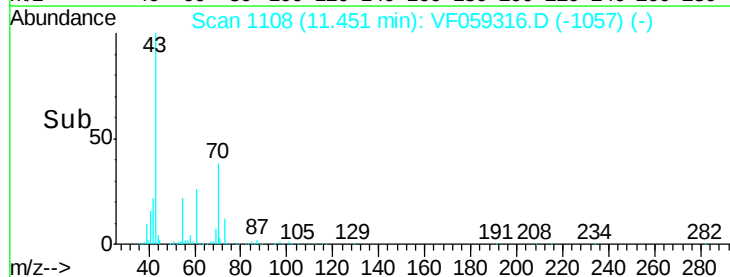
150000

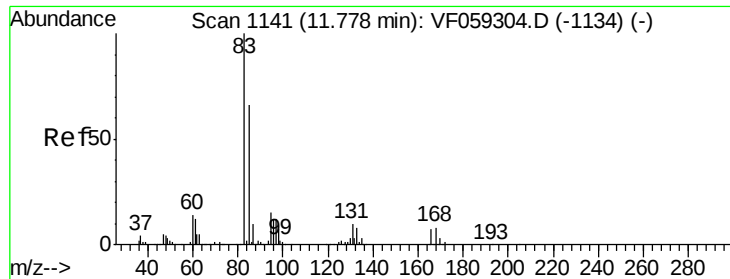
100000

50000

0

Time--> 11.30 11.40 11.50 11.60





#75

1,1,2,2-Tetrachloroethane

Concen: 53.226 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF059316.D

Acq: 26 Jun 2018 14:55

Instrument :

MSVOA_F

ClientSampleId :

WP021SB476-25-27-180619MS

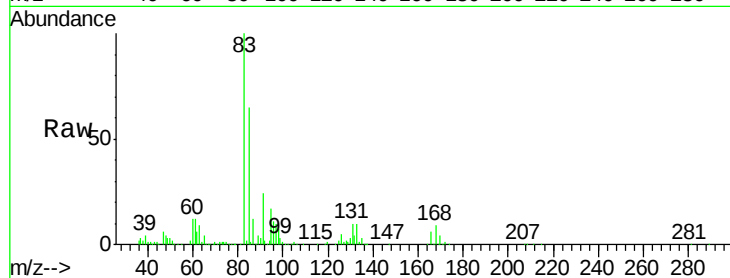
Tot Ion: 83 Resp: 196916

Ion Ratio Lower Upper

83 100

131 10.3 4.9 14.6

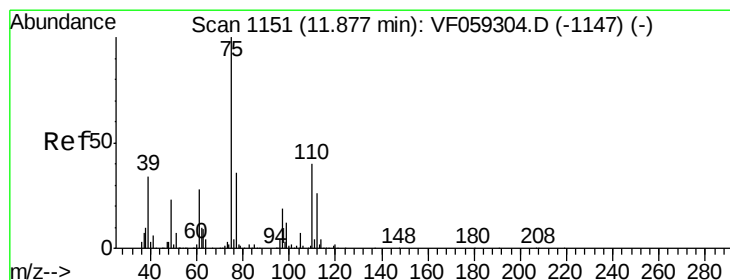
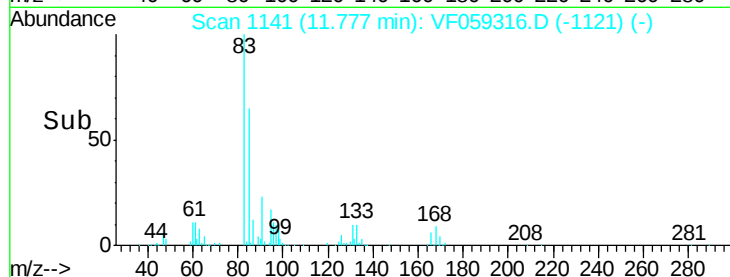
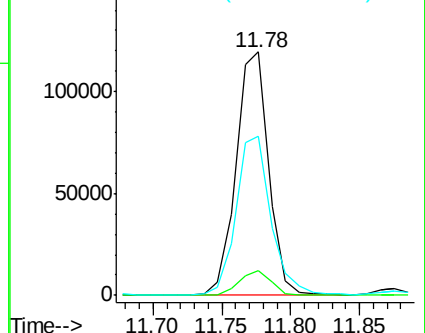
85 65.1 32.8 98.4



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: 52.841 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.00 min

Lab File: VF059316.D

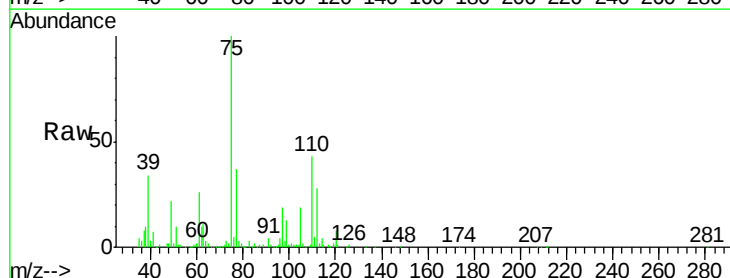
Acq: 26 Jun 2018 14:55

Tgt Ion: 75 Resp: 147466

Ion Ratio Lower Upper

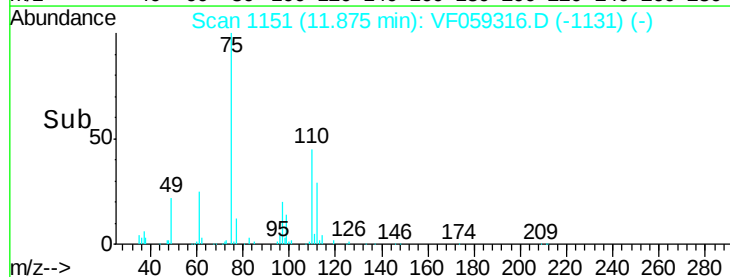
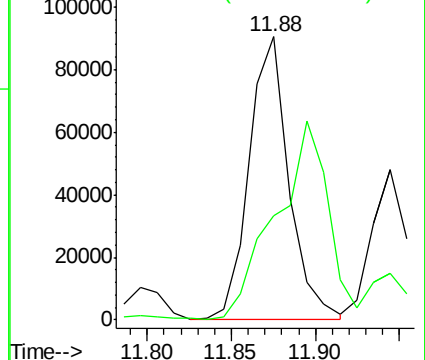
75 100

77 36.9 18.0 54.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 51.081 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VF059316.D

Acq: 26 Jun 2018 14:55

Instrument :

MSVOA_F

ClientSampleId :

WP021SB476-25-27-180619MS

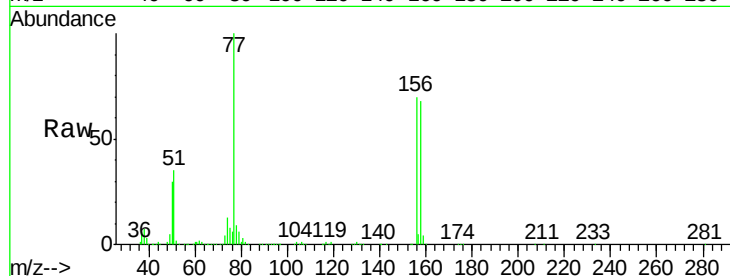
Tot Ion:156 Resp: 207608

Ion Ratio Lower Upper

156 100

77 143.6 79.7 238.9

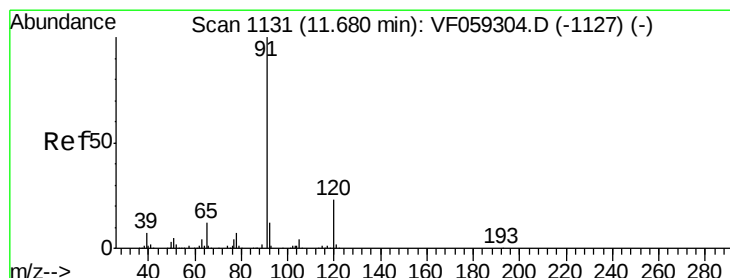
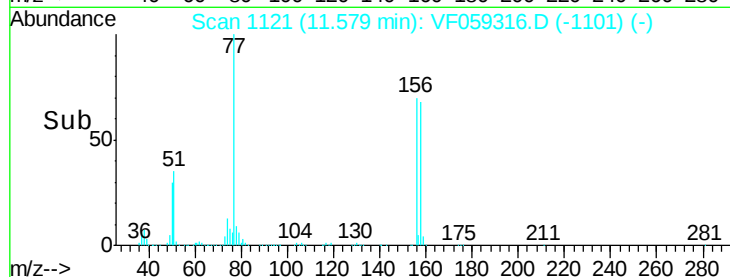
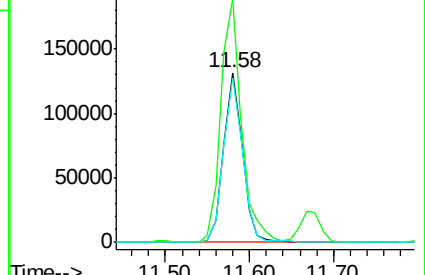
158 97.2 46.2 138.6



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: 51.012 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF059316.D

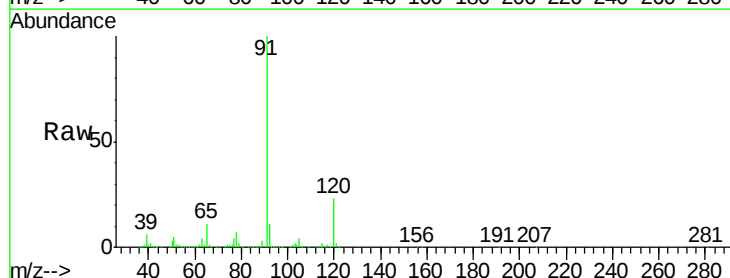
Acq: 26 Jun 2018 14:55

Tgt Ion: 91 Resp: 897446

Ion Ratio Lower Upper

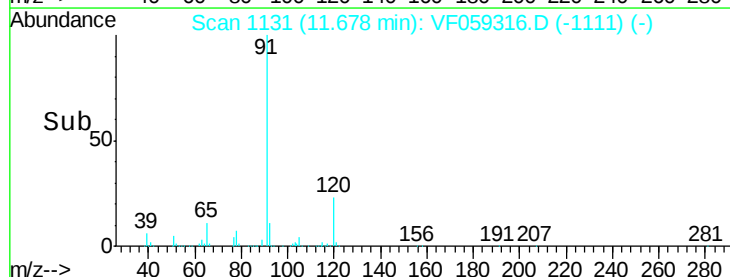
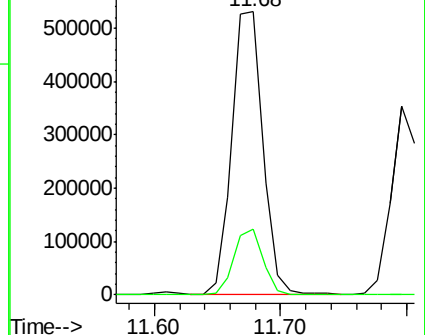
91 100

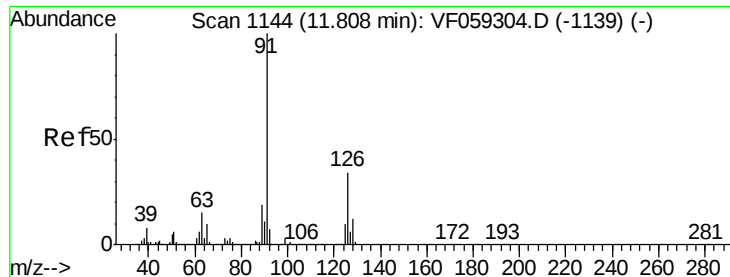
120 23.3 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

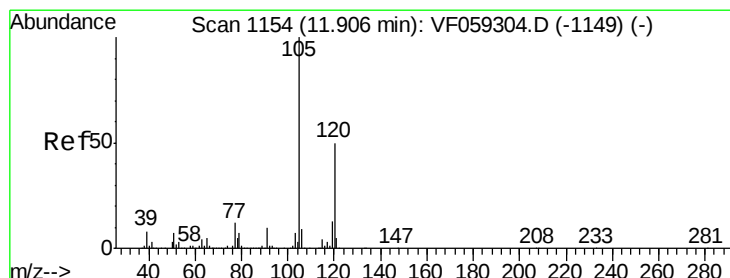
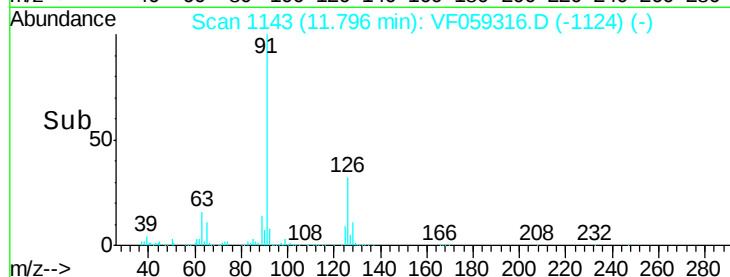
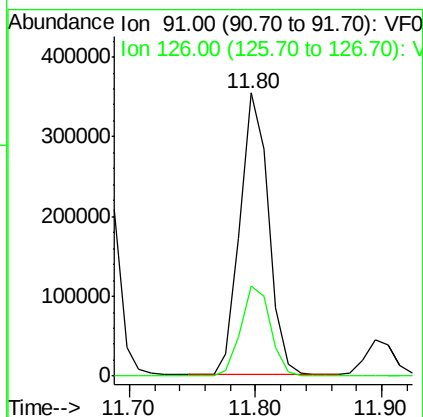
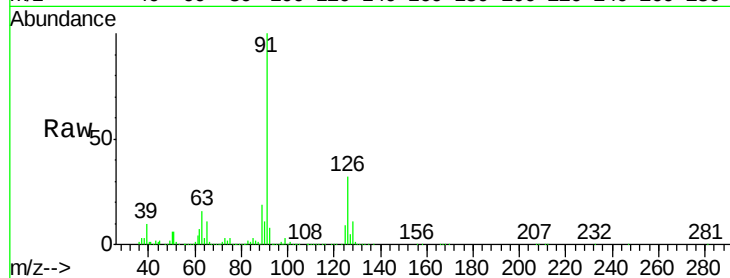




#79
 2-Chlorotoluene
 Concen: 51.504 ug/l
 RT: 11.80 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VF059316.D
 Acq: 26 Jun 2018 14:55

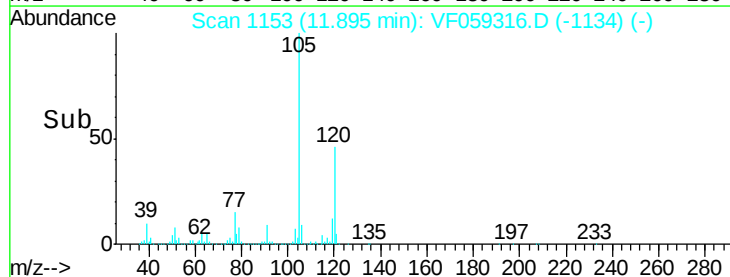
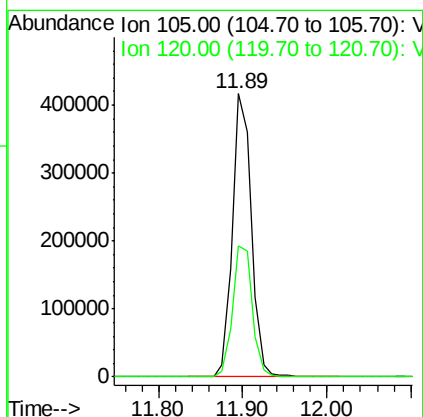
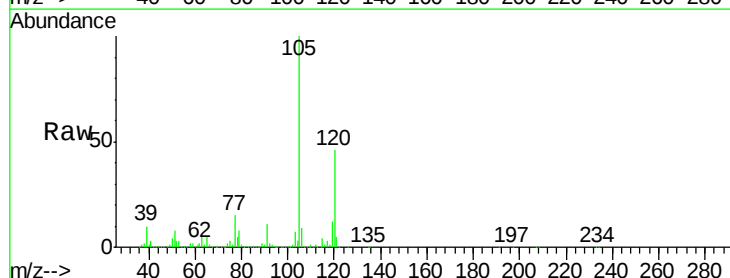
Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB476-25-27-180619MS

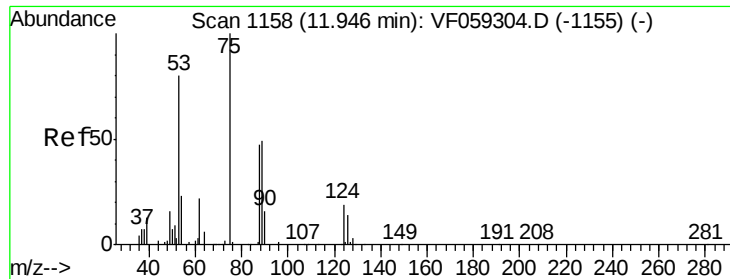
Tot Ion: 91 Resp: 553593
 Ion Ratio Lower Upper
 91 100
 126 31.8 17.2 51.5



#80
 1,3,5-Trimethylbenzene
 Concen: 50.949 ug/l
 RT: 11.89 min Scan# 1153
 Delta R.T. -0.01 min
 Lab File: VF059316.D
 Acq: 26 Jun 2018 14:55

Tgt Ion:105 Resp: 653786
 Ion Ratio Lower Upper
 105 100
 120 46.3 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 54.102 ug/l

RT: 11.94 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF059316.D

Acq: 26 Jun 2018 14:55

Instrument :

MSVOA_F

ClientSampleId :

WP021SB476-25-27-180619MS

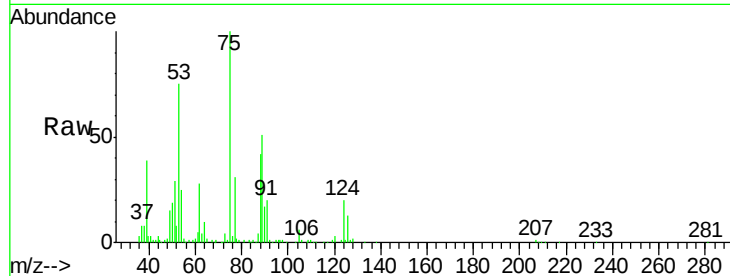
Tot Ion: 75 Resp: 89864

Ion Ratio Lower Upper

75 100

53 75.0 68.8 103.2

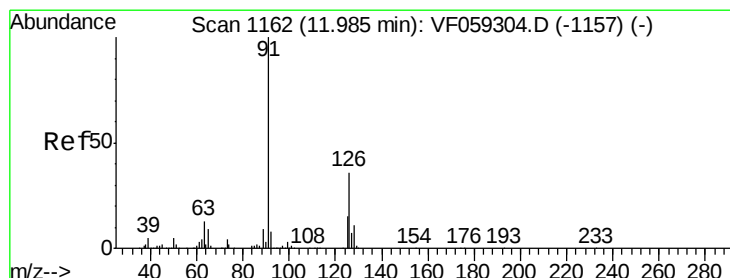
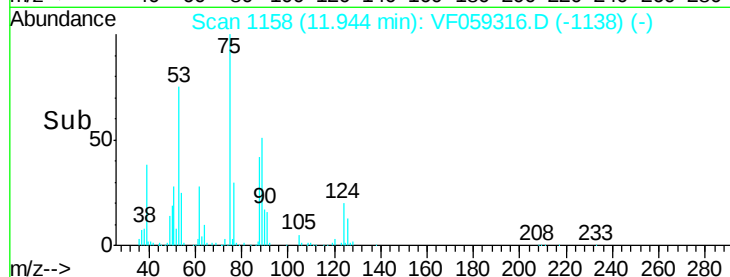
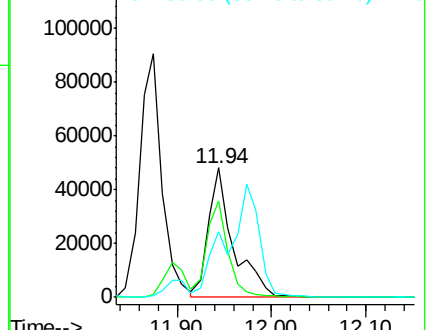
89 50.9 42.0 63.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 48.880 ug/l

RT: 11.97 min Scan# 1161

Delta R.T. -0.01 min

Lab File: VF059316.D

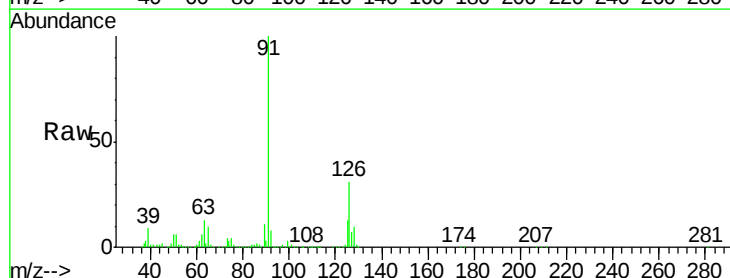
Acq: 26 Jun 2018 14:55

Tgt Ion: 91 Resp: 562740

Ion Ratio Lower Upper

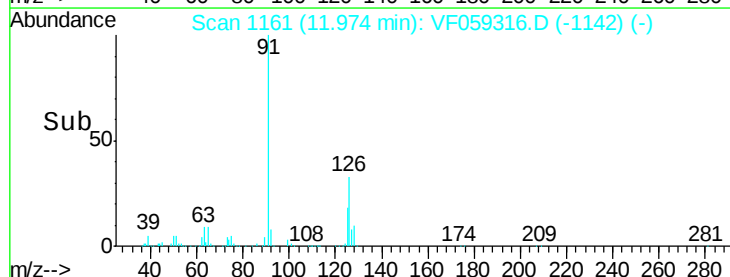
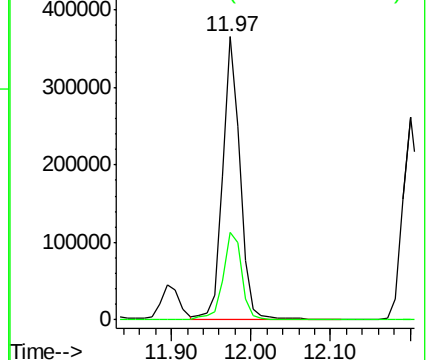
91 100

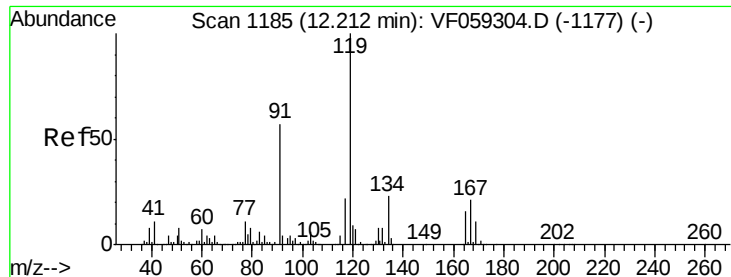
126 30.8 18.2 54.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

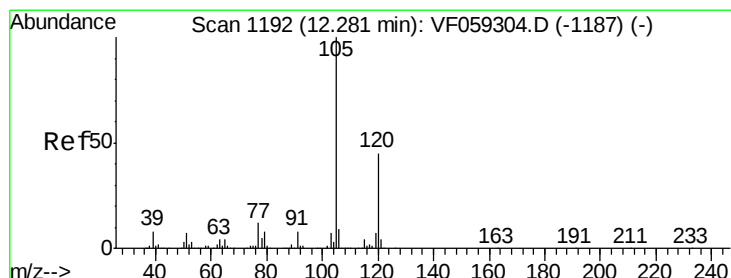
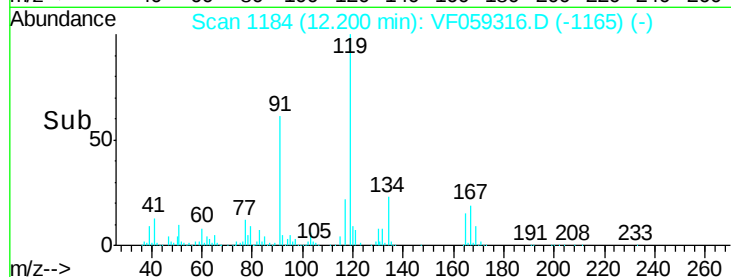
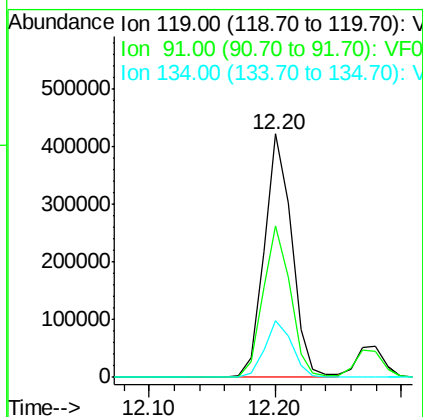
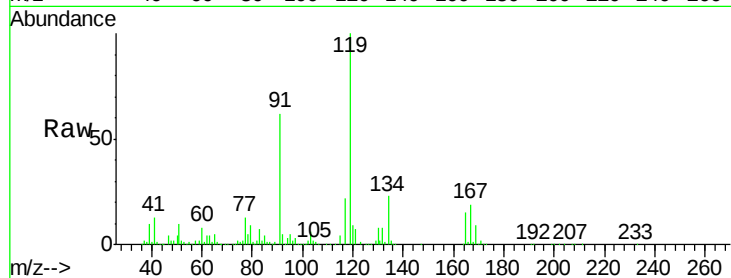




#83
 tert-Butylbenzene
 Concen: 50.121 ug/l
 RT: 12.20 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: VF059316.D
 Acq: 26 Jun 2018 14:55

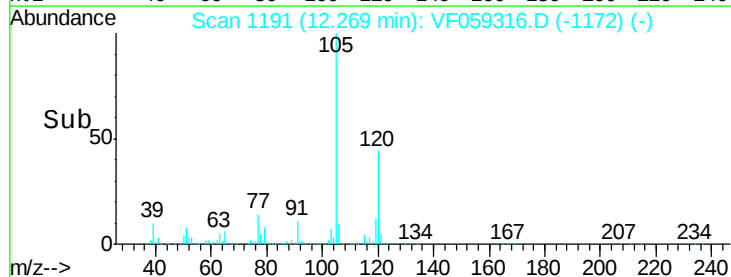
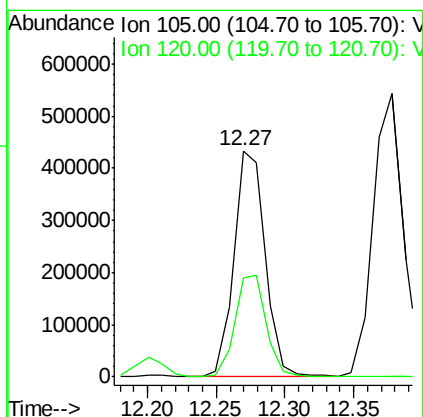
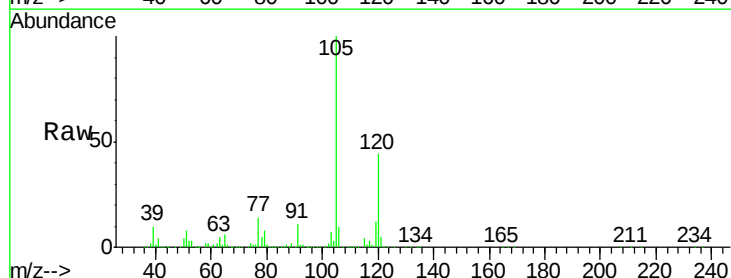
Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB476-25-27-180619MS

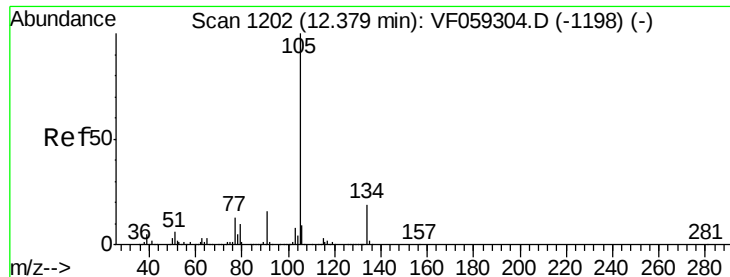
Tot Ion:119 Resp: 643258
 Ion Ratio Lower Upper
 119 100
 91 62.0 28.4 85.2
 134 23.1 11.7 35.1



#84
 1,2,4-Trimethylbenzene
 Concen: 50.710 ug/l
 RT: 12.27 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: VF059316.D
 Acq: 26 Jun 2018 14:55

Tgt Ion:105 Resp: 685319
 Ion Ratio Lower Upper
 105 100
 120 43.7 22.8 68.4





#85

sec-Butylbenzene

Concen: 48.768 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VF059316.D

Acq: 26 Jun 2018 14:55

Instrument :

MSVOA_F

ClientSampleId :

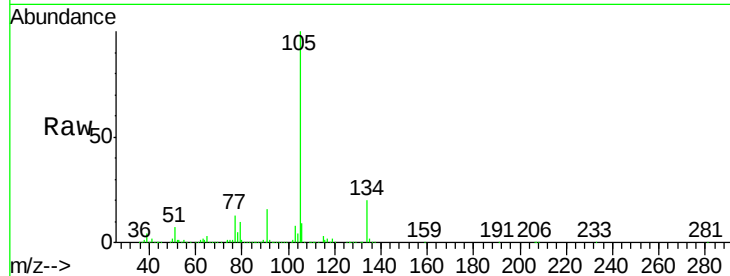
WP021SB476-25-27-180619MS

Tot Ion:105 Resp: 829648

Ion Ratio Lower Upper

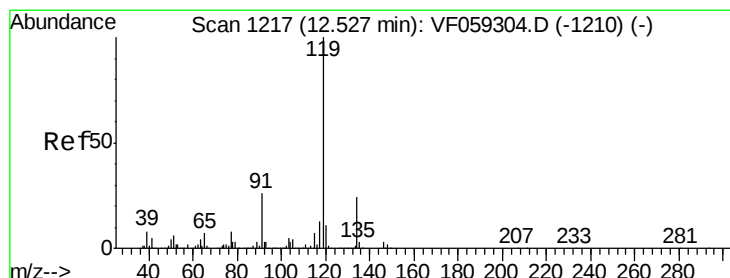
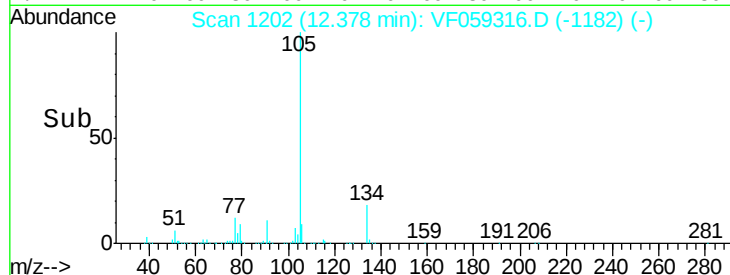
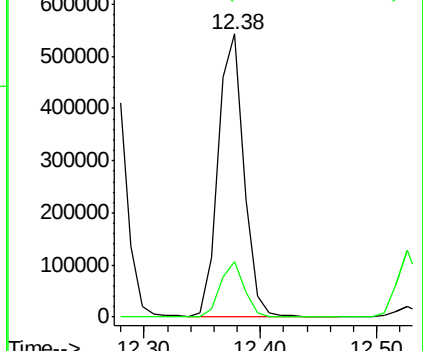
105 100

134 19.5 9.4 28.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.121 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VF059316.D

Acq: 26 Jun 2018 14:55

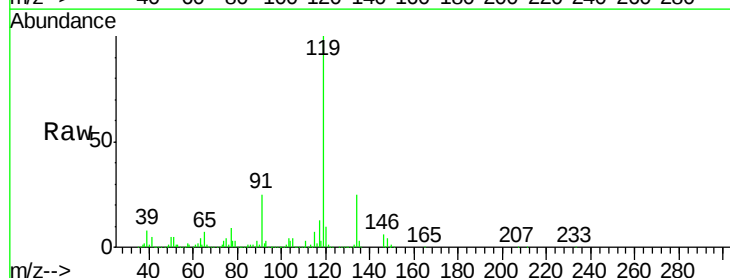
Tgt Ion:119 Resp: 701279

Ion Ratio Lower Upper

119 100

134 24.6 12.2 36.4

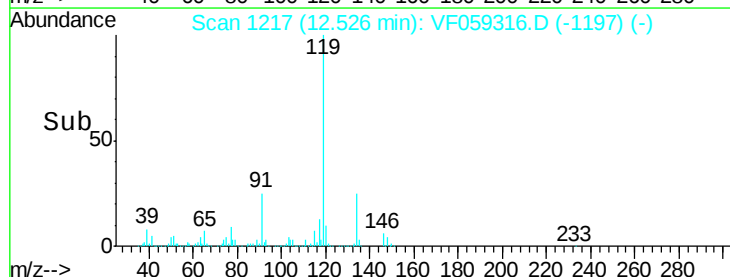
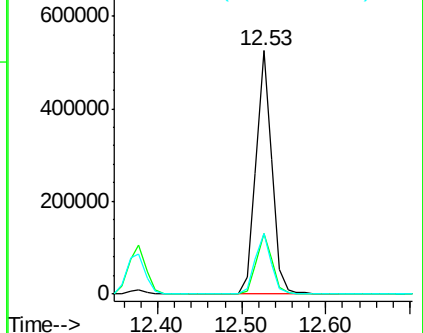
91 25.0 12.9 38.6

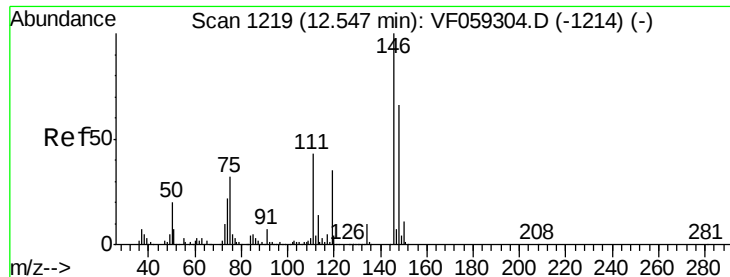


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#87

1,3-Dichlorobenzene

Concen: 53.372 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VF059316.D

Acq: 26 Jun 2018 14:55

Instrument :

MSVOA_F

ClientSampleId :

WP021SB476-25-27-180619MS

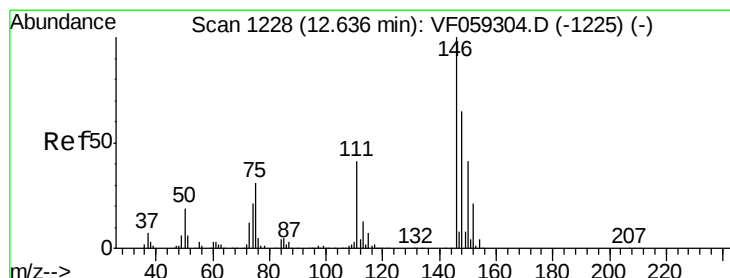
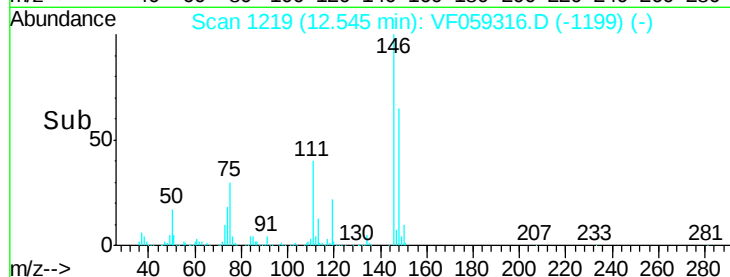
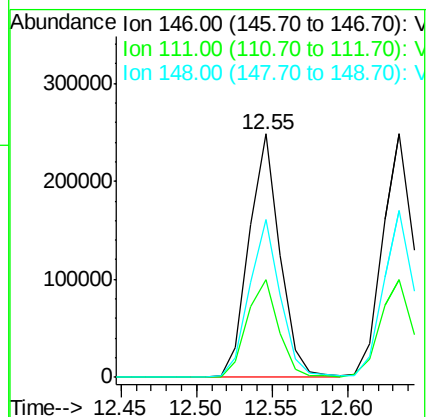
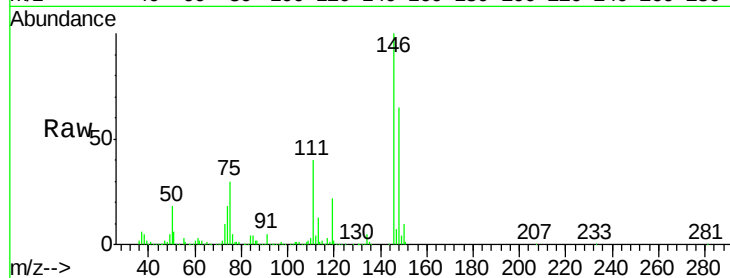
Tot Ion:146 Resp: 356050

Ion Ratio Lower Upper

146 100

111 40.3 21.4 64.2

148 65.0 32.8 98.4



#88

1,4-Dichlorobenzene

Concen: 50.304 ug/l

RT: 12.63 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VF059316.D

Acq: 26 Jun 2018 14:55

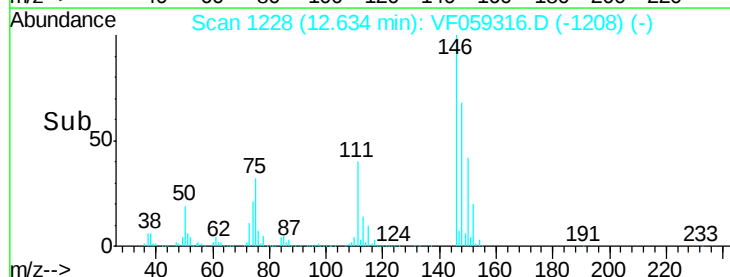
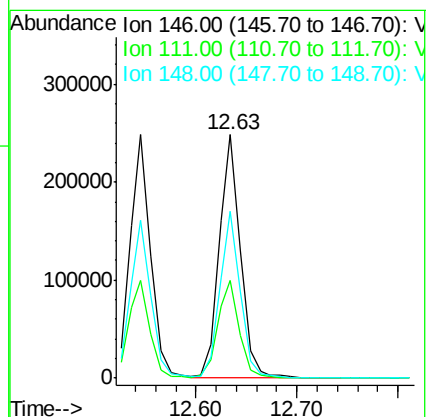
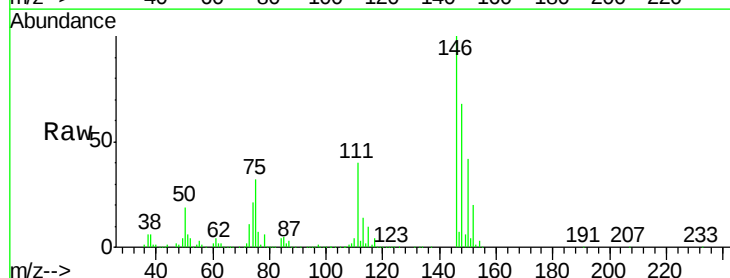
Tgt Ion:146 Resp: 365121

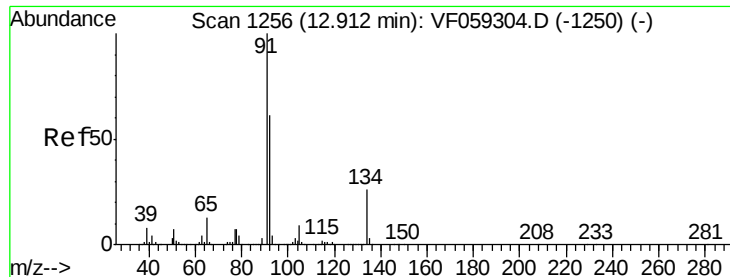
Ion Ratio Lower Upper

146 100

111 40.2 20.7 62.1

148 68.4 32.8 98.3





#89

n-Butylbenzene

Concen: 48.649 ug/l

RT: 12.91 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VF059316.D

Acq: 26 Jun 2018 14:55

Instrument :

MSVOA_F

ClientSampleId :

WP021SB476-25-27-180619MS

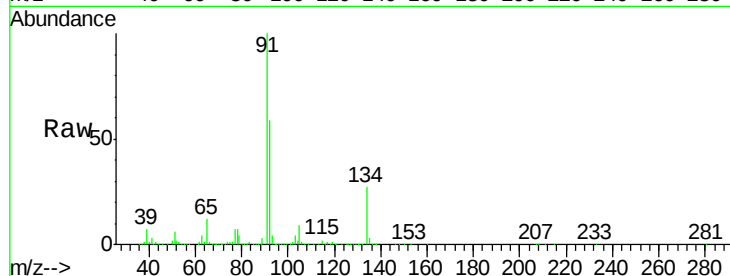
Tot Ion: 91 Resp: 705077

Ion	Ratio	Lower	Upper
91	100		
92	59.2	30.3	91.0
134	27.2	12.9	38.7

91 100

92 59.2 30.3 91.0

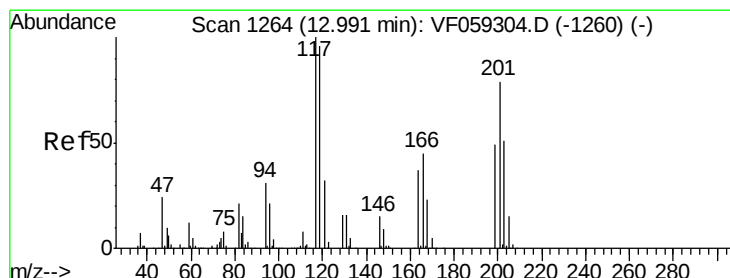
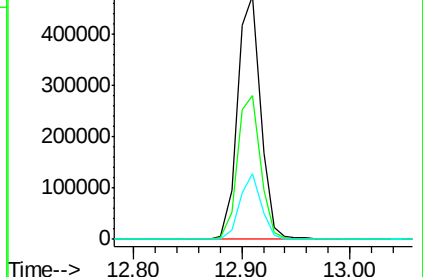
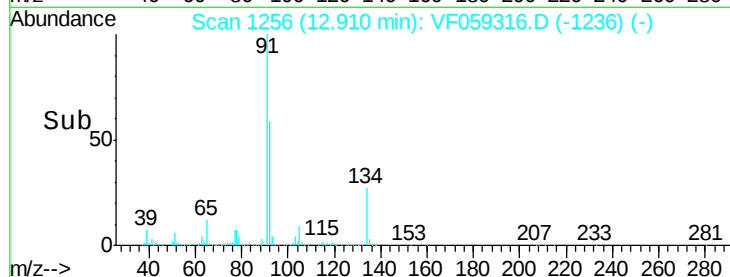
134 27.2 12.9 38.7



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: 50.931 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VF059316.D

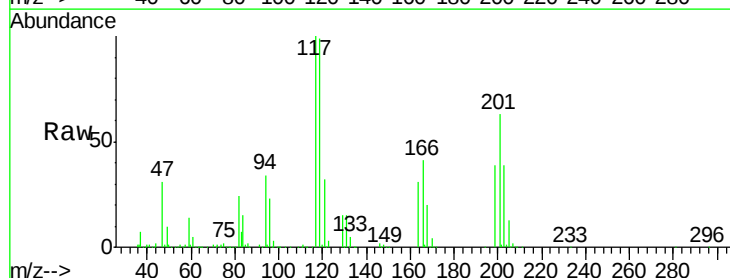
Acq: 26 Jun 2018 14:55

Tgt Ion: 117 Resp: 181226

Ion	Ratio	Lower	Upper
117	100		
201	62.7	39.5	118.5

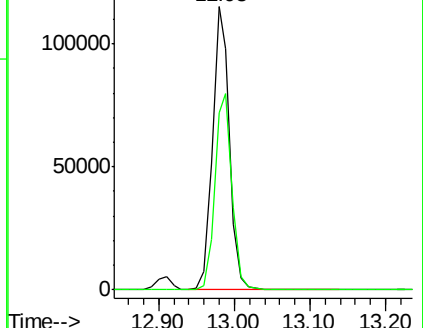
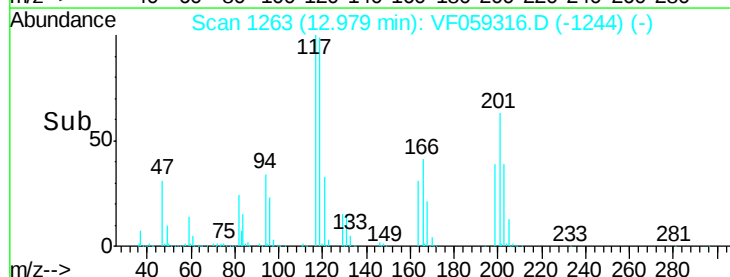
117 100

201 62.7 39.5 118.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

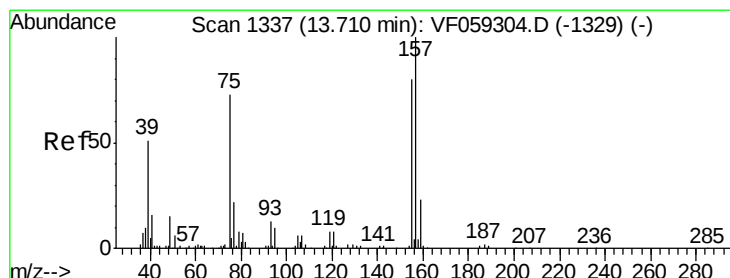
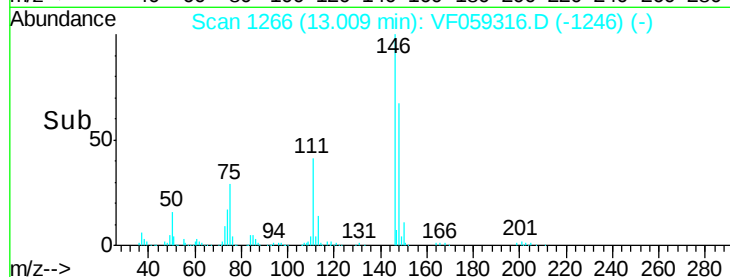
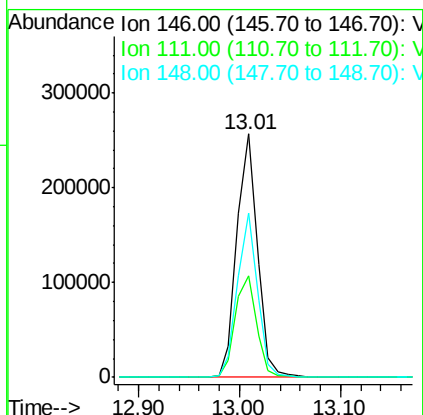
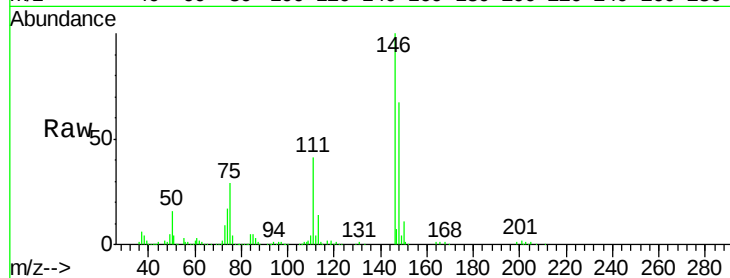




#91
 1,2-Dichlorobenzene
 Concen: 49.650 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VF059316.D
 Acq: 26 Jun 2018 14:55

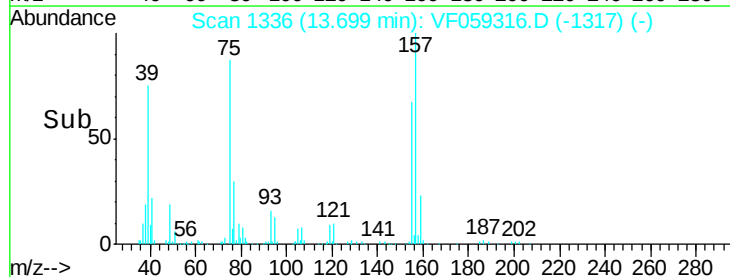
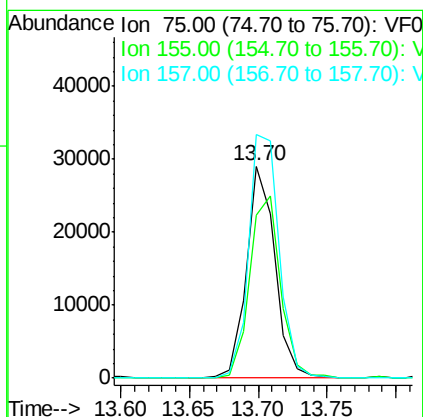
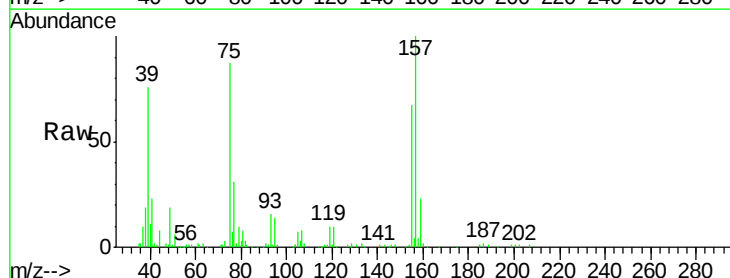
Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB476-25-27-180619MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	22.7	68.0
148	67.4	33.5	100.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.470 ug/l
 RT: 13.70 min Scan# 1336
 Delta R.T. -0.01 min
 Lab File: VF059316.D
 Acq: 26 Jun 2018 14:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.0	54.6	163.8
157	115.0	68.7	205.9

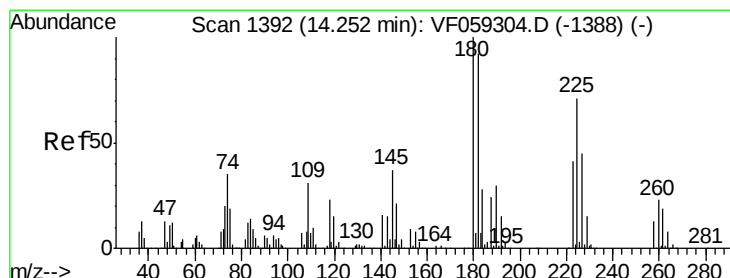
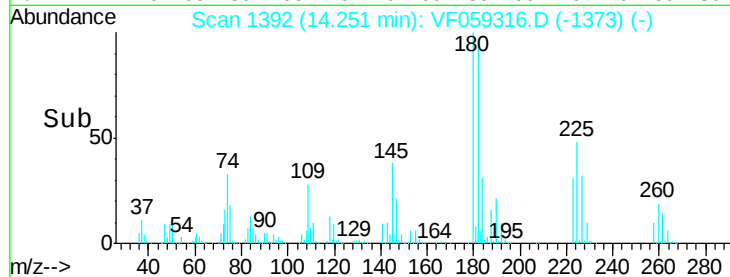
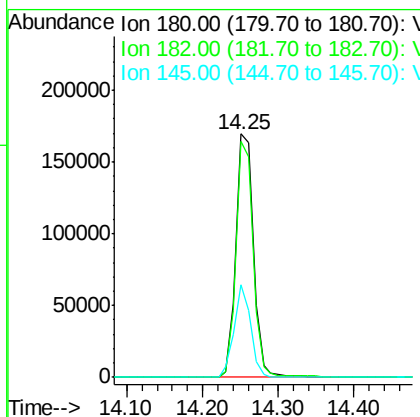
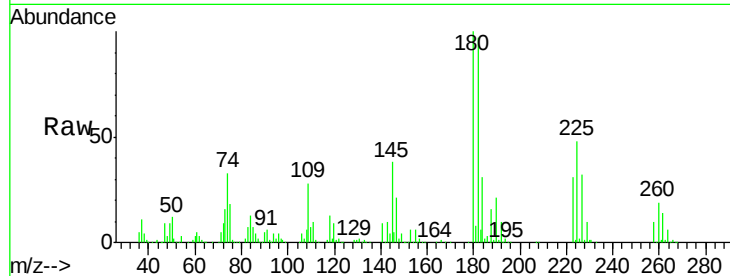




#93
 1,2,4-Trichlorobenzene
 Concen: 49.550 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF059316.D
 Acq: 26 Jun 2018 14:55

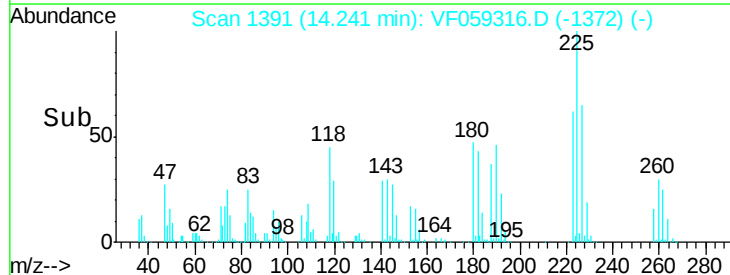
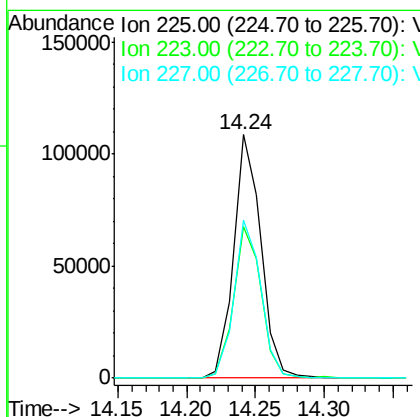
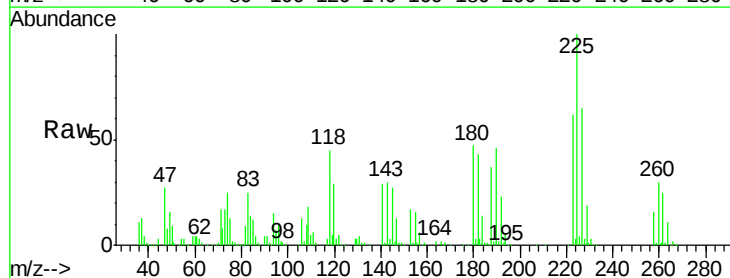
Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB476-25-27-180619MS

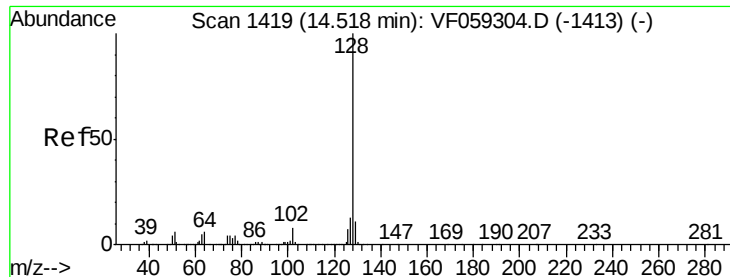
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	48.1	144.3
145	37.8	15.3	45.8



#94
 Hexachlorobutadiene
 Concen: 49.249 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VF059316.D
 Acq: 26 Jun 2018 14:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	28.9	86.8
227	64.6	31.3	93.8





#95

Naphthalene

Concen: 53.392 ug/l

RT: 14.51 min Scan# 1418

Delta R.T. -0.01 min

Lab File: VF059316.D

Acq: 26 Jun 2018 14:55

Instrument :

MSVOA_F

ClientSampleId :

WP021SB476-25-27-180619MS

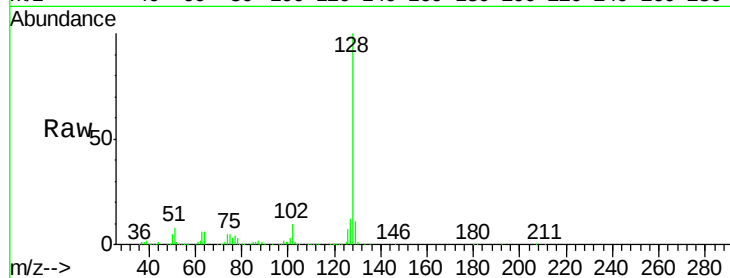
Tot Ion:128 Resp: 609448

Ion Ratio Lower Upper

128 100

127 12.2 10.1 15.1

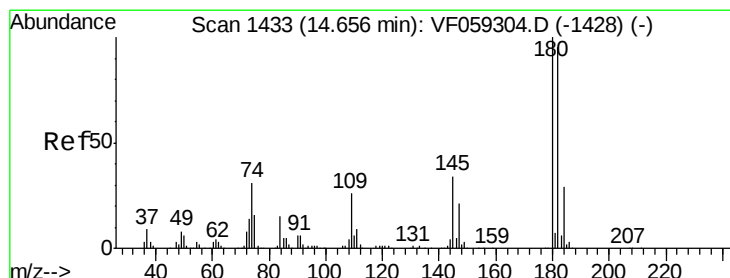
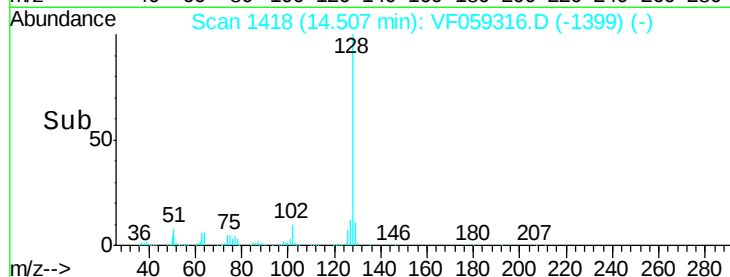
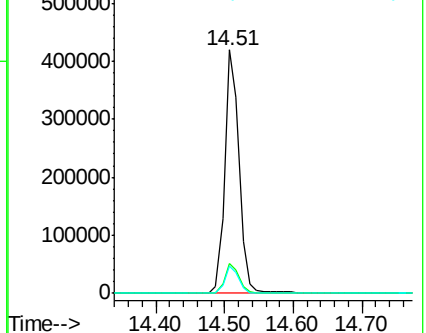
129 11.1 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.556 ug/l

RT: 14.65 min Scan# 1433

Delta R.T. -0.00 min

Lab File: VF059316.D

Acq: 26 Jun 2018 14:55

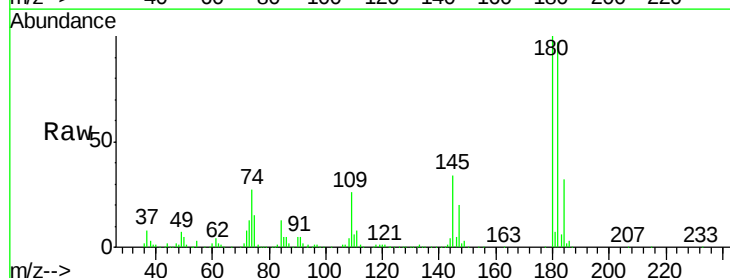
Tgt Ion:180 Resp: 256119

Ion Ratio Lower Upper

180 100

182 96.9 47.5 142.5

145 33.7 17.0 50.9



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

