

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062618\
 Data File : VF059318.D
 Acq On : 26 Jun 2018 15:50
 Operator : VA/AP
 Sample : J3670-07
 Misc : 5.28g/5mL/MSVOA-F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB487-21-23-180621

Quant Time: Jun 27 02:20:34 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	231081	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.74	114	353502	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.89	117	299247	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.61	152	172872	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	128603	43.08	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	86.16%	
35) Dibromofluoromethane	4.28	113	121371	46.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.98%	
50) Toluene-d8	7.69	98	286876	44.86	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	89.72%	
62) 4-Bromofluorobenzene	11.49	95	182996	50.73	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	101.46%	

Target Compounds					Qvalue
4) Vinyl Chloride	1.14	62	15847	11.351 ug/l	94
5) Bromomethane	1.24	94	174	Below Cal	97
11) Tert butyl alcohol	2.67	59	1984	9.982 ug/l #	70
13) Acrolein	2.09	56	999	Below Cal	99
15) Acrylonitrile	3.06	53	2270	6.486 ug/l	95
16) Acetone	2.32	43	35919	39.589 ug/l	99
17) Carbon Disulfide	1.83	76	5093	1.589 ug/l	99
18) Methyl Acetate	2.43	43	7466	4.481 ug/l	94
20) Methylene Chloride	2.26	84	22250	6.923 ug/l	95
21) trans-1,2-Dichloroethene	2.39	96	5921	4.074 ug/l	83
23) Vinyl Acetate	3.32	43	7533	2.089 ug/l #	79
24) 1,1-Dichloroethane	2.98	63	4620	1.316 ug/l #	90
25) 2-Butanone	4.48	43	9498	7.856 ug/l #	84
27) cis-1,2-Dichloroethene	3.62	96	98029	44.428 ug/l	87
28) Bromochloromethane	3.87	49	186	Below Cal #	6
29) Tetrahydrofuran	4.24	42	1932	Below Cal #	46
31) Cyclohexane	3.84	56	2538	1.103 ug/l #	70
37) Ethyl Acetate	4.27	43	2924	Below Cal #	26
39) Methylcyclohexane	5.60	83	24616	8.995 ug/l #	79
40) Benzene	4.79	78	18541	2.708 ug/l	95
43) Isopropyl Acetate	7.09	43	4223	1.642 ug/l #	90
44) Trichloroethene	5.66	130	23794	10.130 ug/l	96
49) 1,4-Dioxane	6.86	88	325	Below Cal #	5
51) 4-Methyl-2-Pentanone	8.40	43	35288	18.517 ug/l #	65
52) Toluene	7.77	92	7801	1.523 ug/l #	73
56) Ethyl methacrylate	8.81	69	10970	4.452 ug/l	87
58) 2-Chloroethyl Vinyl ether	7.76	63	1890	10.226 ug/l	100
59) 2-Hexanone	9.62	43	31575	5.531 ug/l	97
64) Tetrachloroethene	8.29	164	4621	2.381 ug/l #	78
65) Chlorobenzene	9.92	112	2337605	421.564 ug/l	94
68) m/p-Xylenes	10.25	106	3845	1.148 ug/l	89
73) Isopropylbenzene	11.22	105	10127	1.006 ug/l	96
74) N-amyl acetate	11.47	43	43825	11.991 ug/l #	42
75) 1,1,2,2-Tetrachloroethane	11.75	83	35233	13.852 ug/l #	37

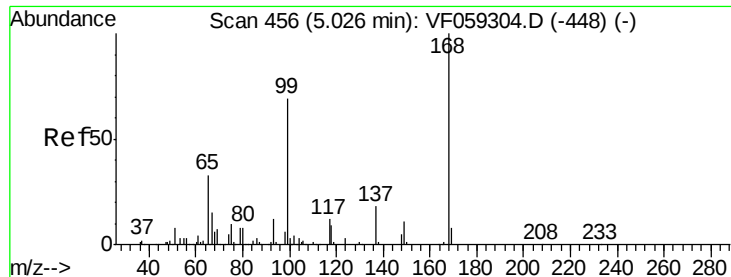
Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062618\
 Data File : VF059318.D
 Acq On : 26 Jun 2018 15:50
 Operator : VA/AP
 Sample : J3670-07
 Misc : 5.28g/5mL/MSVOA-F/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB487-21-23-180621

Quant Time: Jun 27 02:20:34 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)
76) 1,2,3-Trichloropropane	11.88	75	2418	1.260	ug/l #	1
79) 2-Chlorotoluene	11.80	91	7601	1.029	ug/l	85
81) trans-1,4-Dichloro-2-buten	11.94	75	1841	1.612	ug/l #	1
82) 4-Chlorotoluene	11.97	91	12987	1.641	ug/l	85
83) tert-Butylbenzene	12.20	119	177793	20.150	ug/l	89
85) sec-Butylbenzene	12.38	105	128523	10.989	ug/l #	41
86) p-Isopropyltoluene	12.53	119	11314	1.153	ug/l #	76
87) 1,3-Dichlorobenzene	12.55	146	126738	25.191	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	322077	64.544	ug/l	98
89) n-Butylbenzene	12.91	91	20808	2.088	ug/l	84
90) Hexachloroethane	12.99	117	2976	1.217	ug/l	56
91) 1,2-Dichlorobenzene	13.01	146	712836	140.528	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	2867	5.085	ug/l #	26
93) 1,2,4-Trichlorobenzene	14.25	180	13674	3.646	ug/l #	74
95) Naphthalene	14.51	128	28932	3.687	ug/l #	92
96) 1,2,3-Trichlorobenzene	14.66	180	7759	2.184	ug/l #	83

(#) = 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: VF059318.D

Acq: 26 Jun 2018 15:50

Instrument :

MSVOA_F

ClientSampleId :

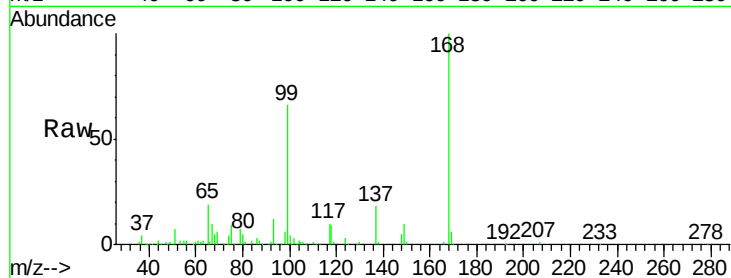
WP021SB487-21-23-180621

Tot Ion:168 Resp: 231081

Ion Ratio Lower Upper

168 100

99 65.9 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

80000

60000

40000

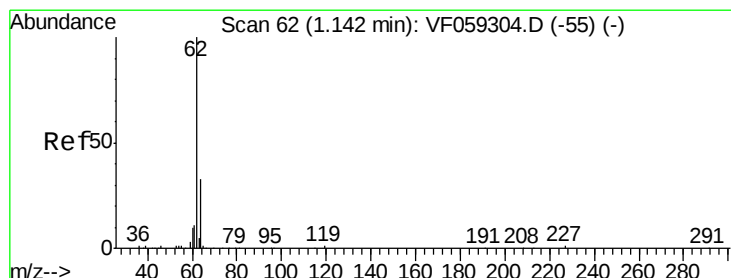
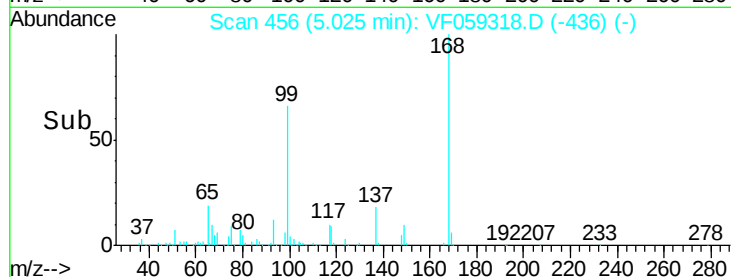
20000

0

5.02

4.90 5.00 5.10 5.20

Time-->



#4

Vinyl Chloride

Concen: 11.351 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF059318.D

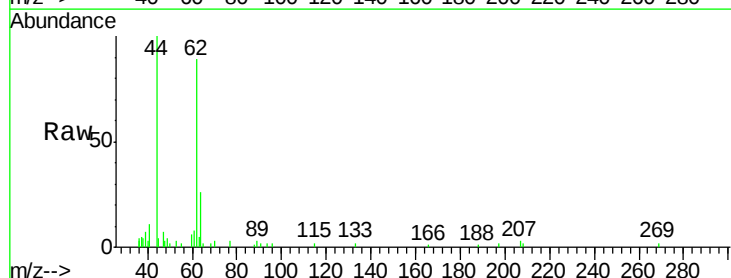
Acq: 26 Jun 2018 15:50

Tgt Ion: 62 Resp: 15847

Ion Ratio Lower Upper

62 100

64 29.3 26.3 39.5



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0

6000

4000

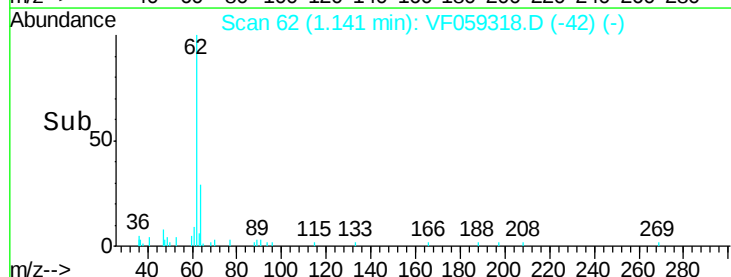
2000

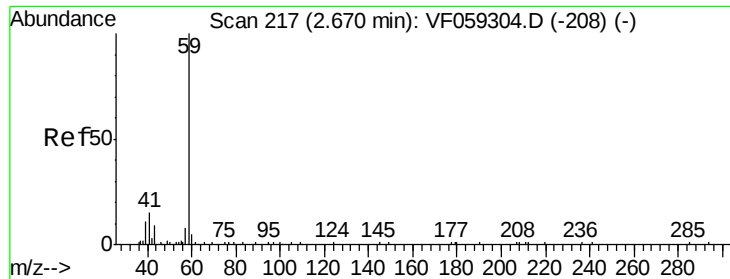
0

1.14

1.10 1.20 1.30

Time-->



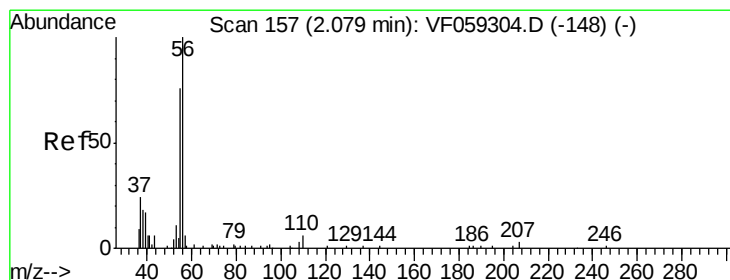
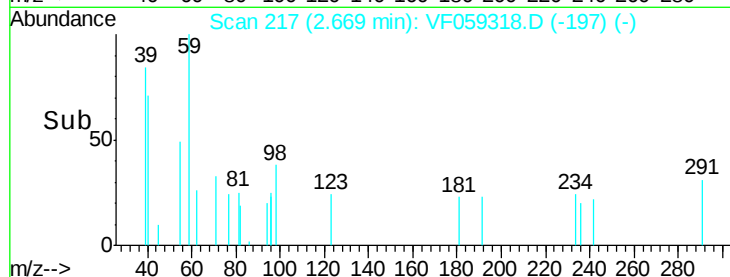
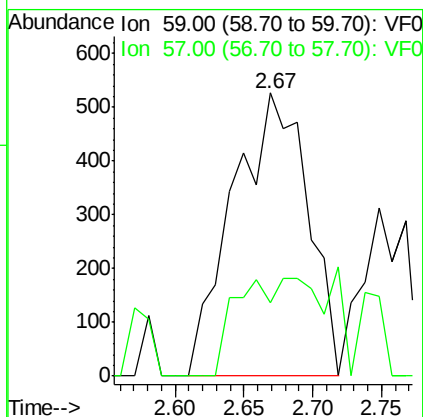
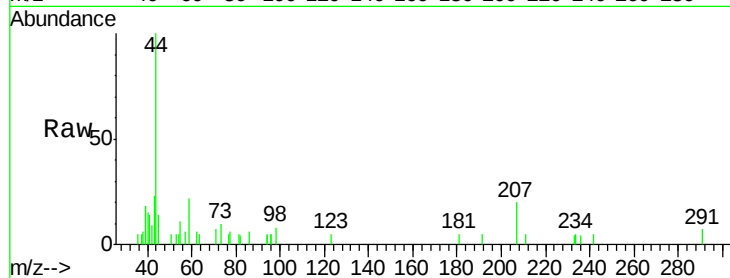


#11

Tert butyl alcohol
 Concen: 9.982 ug/l
 RT: 2.67 min Scan# 217
 Delta R.T. -0.00 min
 Lab File: VF059318.D
 Acq: 26 Jun 2018 15:50

Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB487-21-23-180621

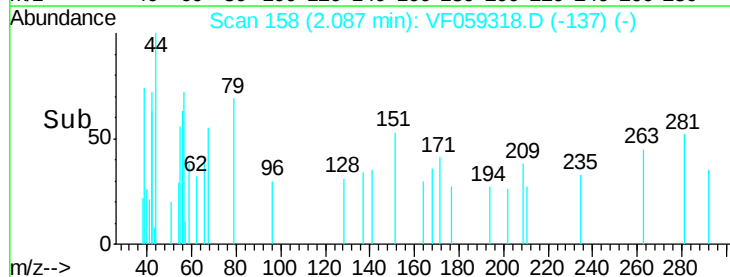
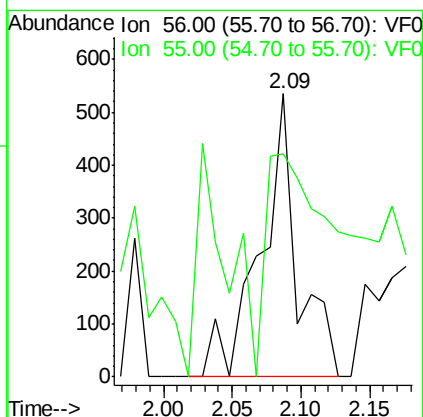
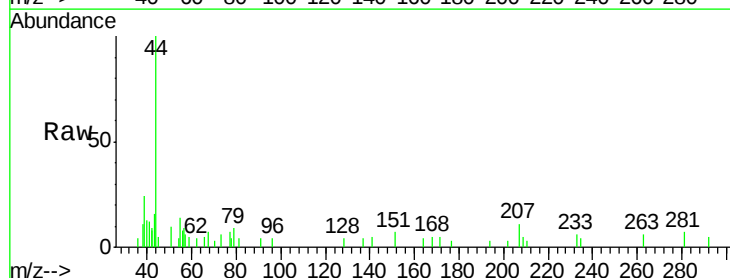
Tot Ion: 59 Resp: 1984
 Ion Ratio Lower Upper
 59 100
 57 26.0 11.0 16.4#

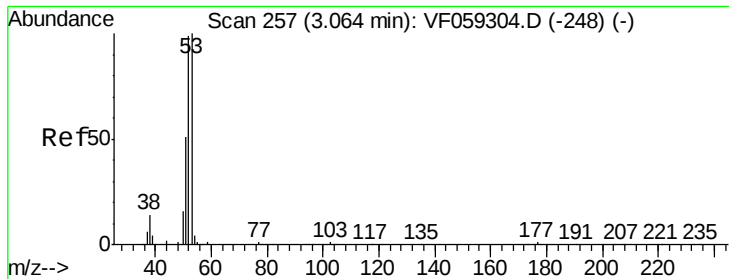


#13

Acrolein
 Concen: Below Cal
 RT: 2.09 min Scan# 158
 Delta R.T. 0.01 min
 Lab File: VF059318.D
 Acq: 26 Jun 2018 15:50

Tgt Ion: 56 Resp: 999
 Ion Ratio Lower Upper
 56 100
 55 79.1 62.4 93.6





#15

Acrylonitrile

Concen: 6.486 ug/l

RT: 3.06 min Scan# 257

Delta R.T. -0.00 min

Lab File: VF059318.D

Acq: 26 Jun 2018 15:50

Instrument :

MSVOA_F

ClientSampleId :

WP021SB487-21-23-180621

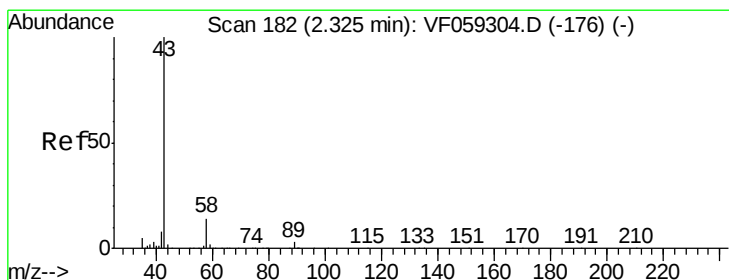
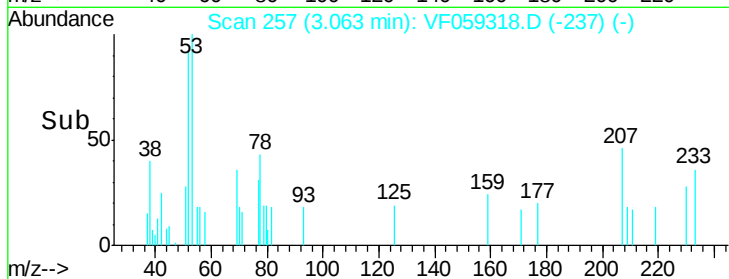
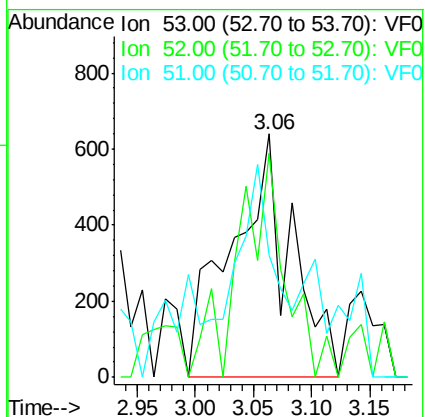
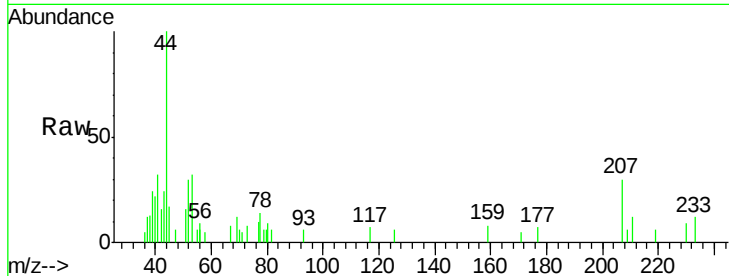
Tot Ion: 53 Resp: 2270

Ion Ratio Lower Upper

53 100

52 92.0 79.2 118.8

51 50.2 40.9 61.3



#16

Acetone

Concen: 39.589 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.00 min

Lab File: VF059318.D

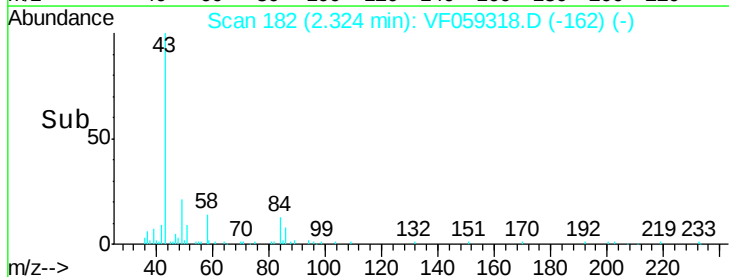
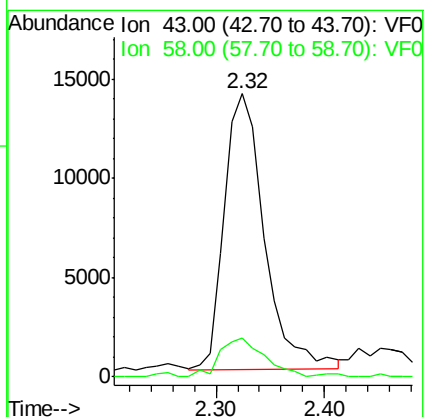
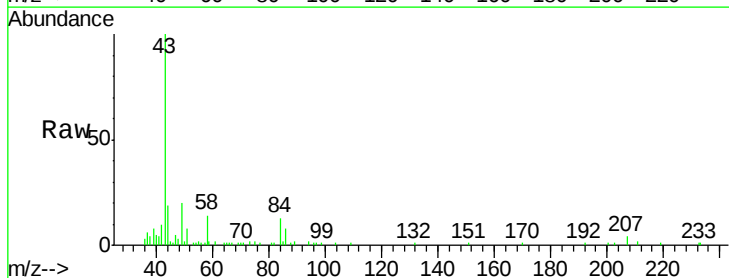
Acq: 26 Jun 2018 15:50

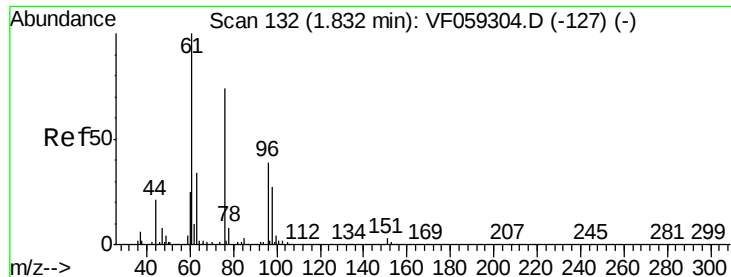
Tgt Ion: 43 Resp: 35919

Ion Ratio Lower Upper

43 100

58 13.7 11.4 17.0

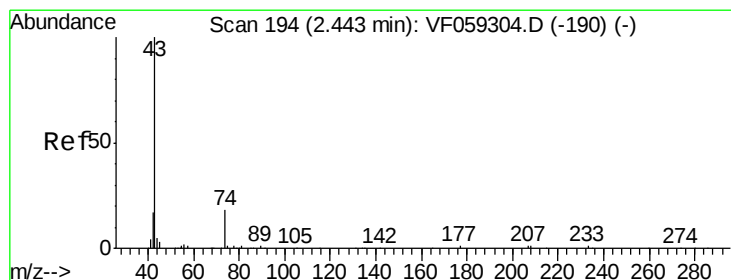
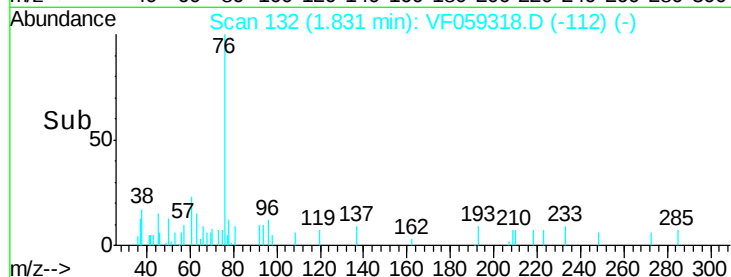
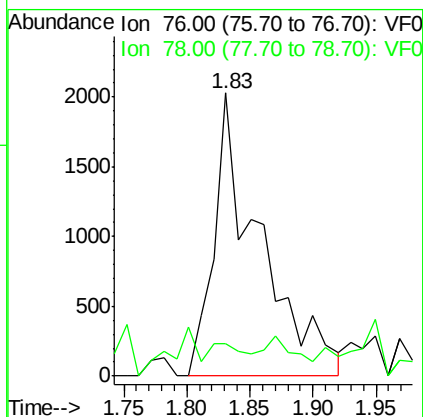
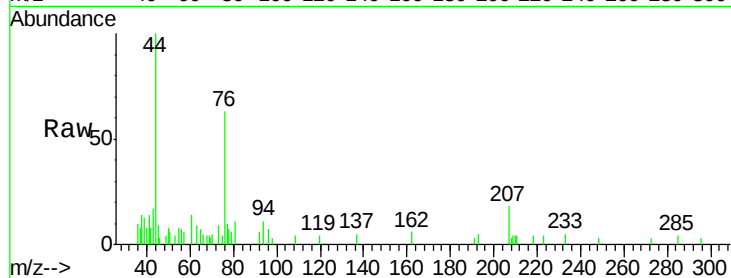




#17
Carbon Disulfide
Concen: 1.589 ug/l
RT: 1.83 min Scan# 132
Delta R.T. -0.00 min
Lab File: VF059318.D
Acq: 26 Jun 2018 15:50

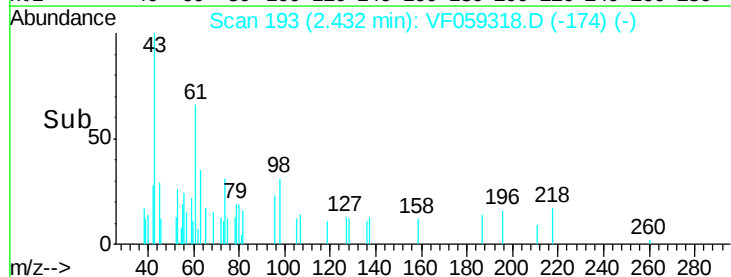
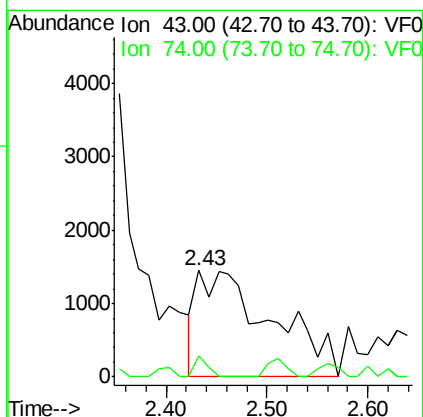
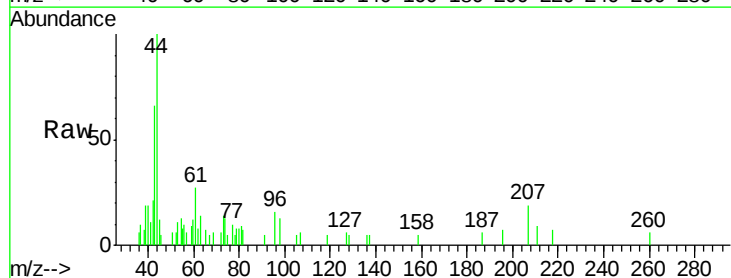
Instrument :
MSVOA_F
ClientSampleId :
WP021SB487-21-23-180621

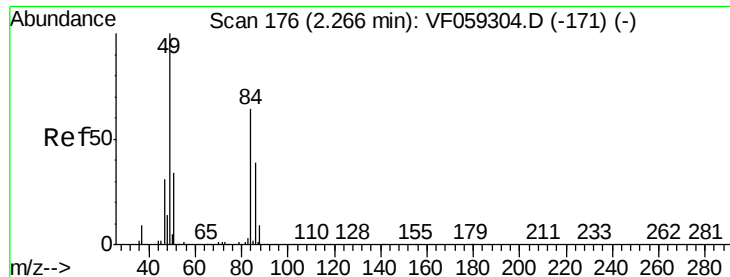
Tot Ion: 76 Resp: 5093
Ion Ratio Lower Upper
76 100
78 11.6 8.9 13.3



#18
Methyl Acetate
Concen: 4.481 ug/l
RT: 2.43 min Scan# 193
Delta R.T. -0.01 min
Lab File: VF059318.D
Acq: 26 Jun 2018 15:50

Tgt Ion: 43 Resp: 7466
Ion Ratio Lower Upper
43 100
74 19.3 13.3 19.9

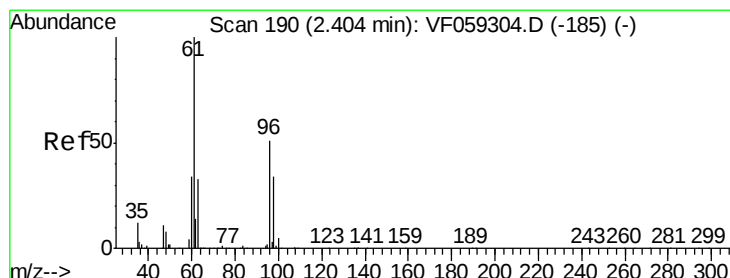
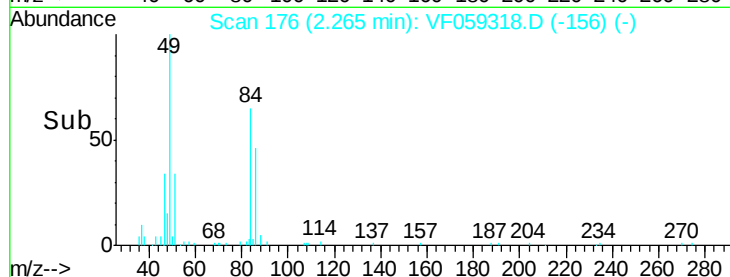
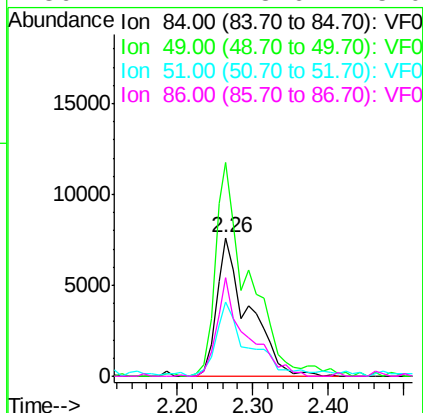
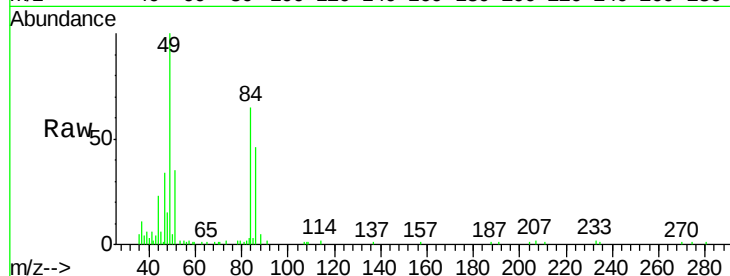




#20
Methvlene Chloride
Concen: 6.923 ug/l
RT: 2.26 min Scan# 176
Delta R.T. -0.00 min
Lab File: VF059318.D
Acq: 26 Jun 2018 15:50

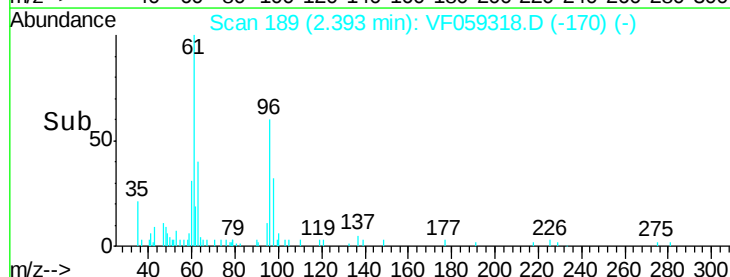
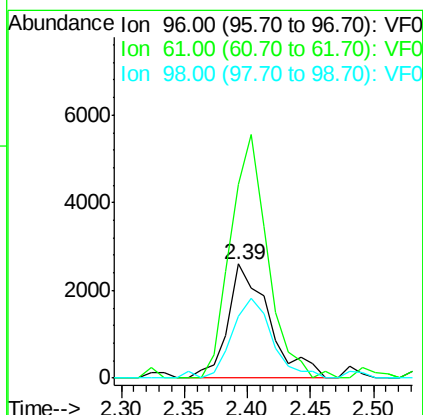
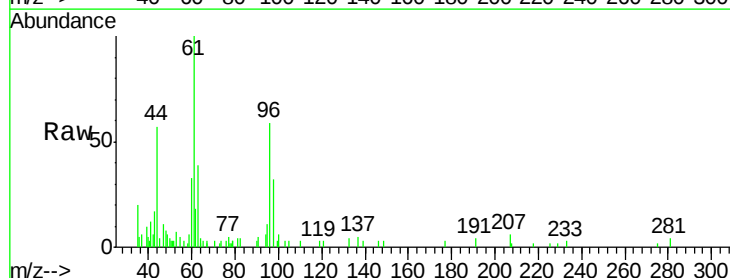
Instrument :
MSVOA_F
ClientSampleId :
WP021SB487-21-23-180621

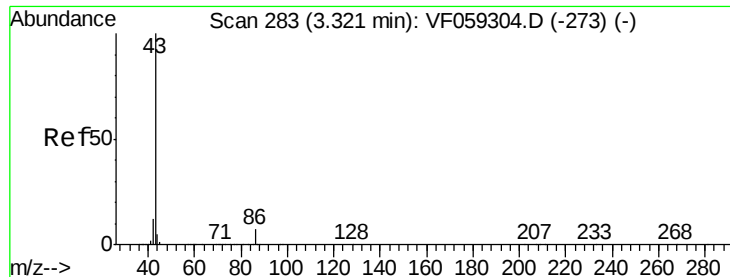
Tot Ion:	84	Resp:	22250
Ion	Ratio	Lower	Upper
84	100		
49	153.9	126.5	189.7
51	53.8	42.9	64.3
86	71.4	48.6	73.0



#21
trans-1,2-Dichloroethene
Concen: 4.074 ug/l
RT: 2.39 min Scan# 189
Delta R.T. -0.01 min
Lab File: VF059318.D
Acq: 26 Jun 2018 15:50

Tgt Ion:	96	Resp:	5921
Ion	Ratio	Lower	Upper
96	100		
61	170.3	157.4	236.2
98	54.0	53.7	80.5





#23

Vinyl Acetate

Concen: 2.089 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.00 min

Lab File: VF059318.D

Acq: 26 Jun 2018 15:50

Instrument :

MSVOA_F

ClientSampleId :

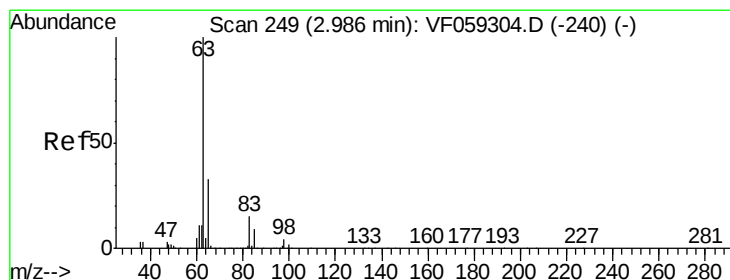
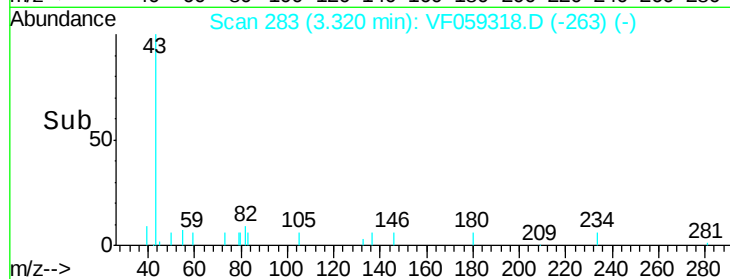
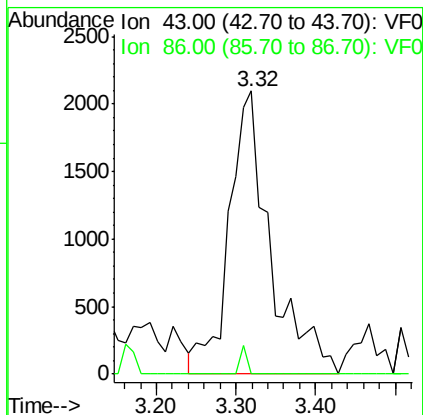
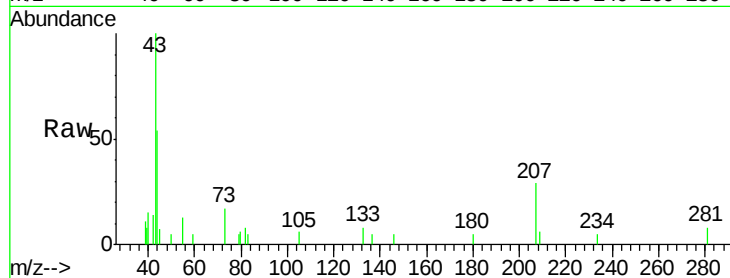
WP021SB487-21-23-180621

Tot Ion: 43 Resp: 7533

Ion Ratio Lower Upper

43 100

86 0.0 5.8 8.6#



#24

1,1-Dichloroethane

Concen: 1.316 ug/l

RT: 2.98 min Scan# 249

Delta R.T. -0.00 min

Lab File: VF059318.D

Acq: 26 Jun 2018 15:50

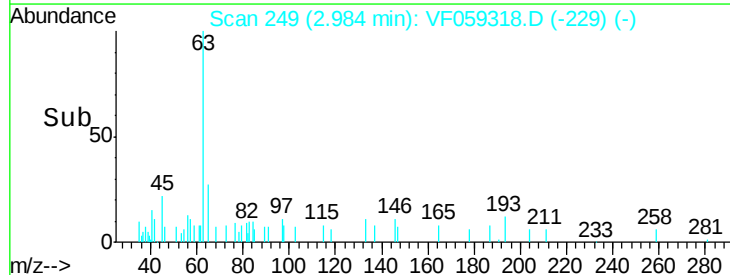
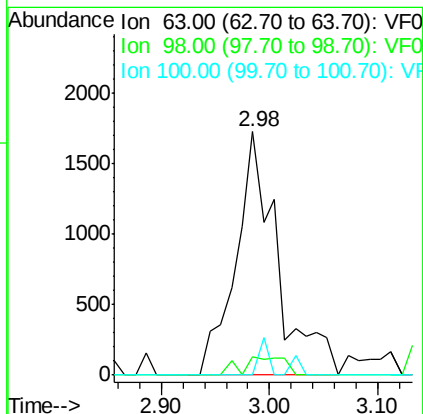
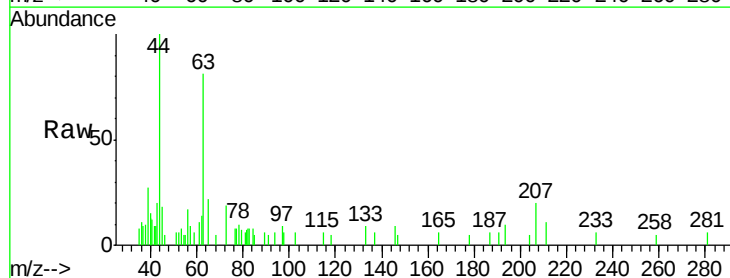
Tgt Ion: 63 Resp: 4620

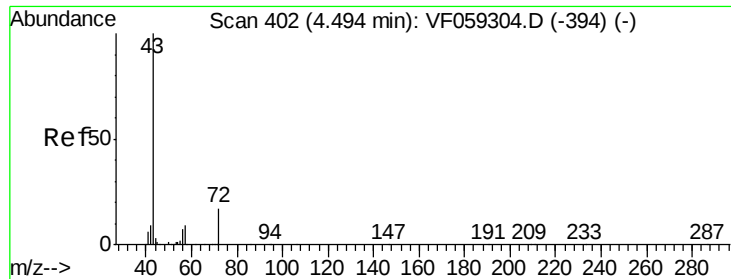
Ion Ratio Lower Upper

63 100

98 7.6 2.0 6.0#

100 0.0 1.3 3.9#





#25

2-Butanone

Concen: 7.856 ug/l

RT: 4.48 min Scan# 401

Delta R.T. -0.01 min

Lab File: VF059318.D

Acq: 26 Jun 2018 15:50

Instrument :

MSVOA_F

ClientSampleId :

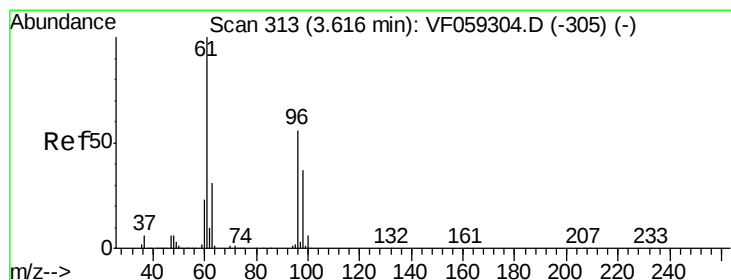
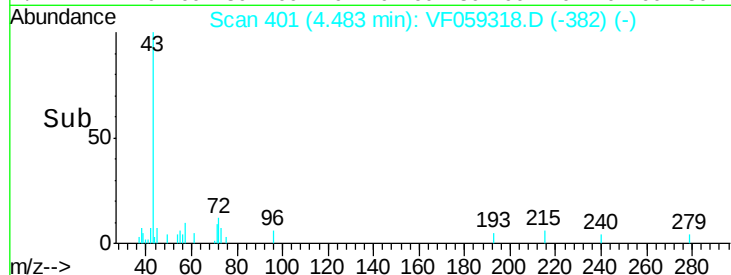
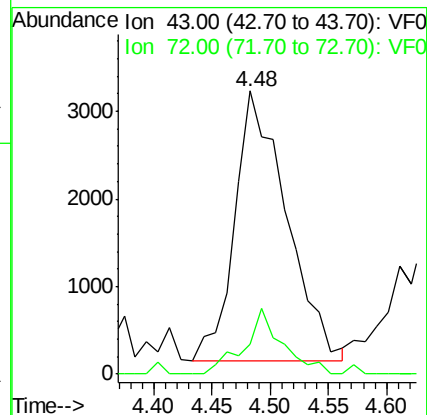
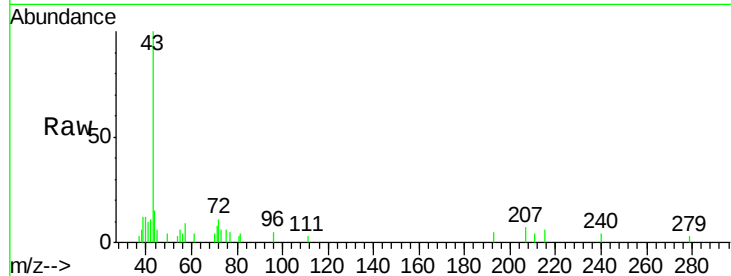
WP021SB487-21-23-180621

Tot Ion: 43 Resp: 9498

Ion Ratio Lower Upper

43 100

72 10.8 14.4 21.6#



#27

cis-1,2-Dichloroethene

Concen: 44.428 ug/l

RT: 3.62 min Scan# 313

Delta R.T. -0.00 min

Lab File: VF059318.D

Acq: 26 Jun 2018 15:50

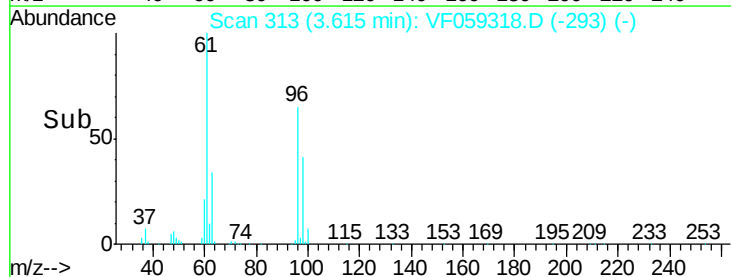
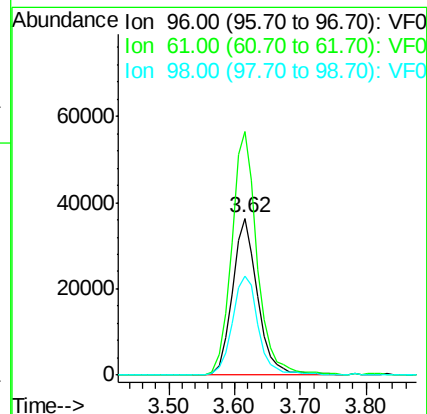
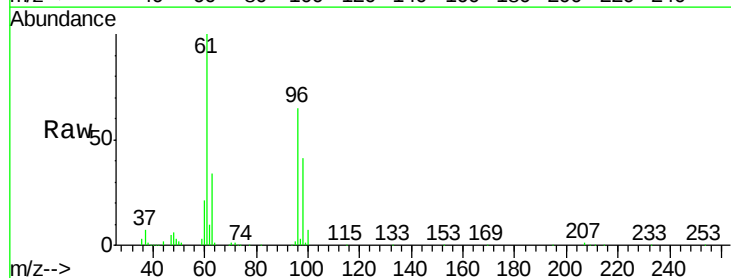
Tgt Ion: 96 Resp: 98029

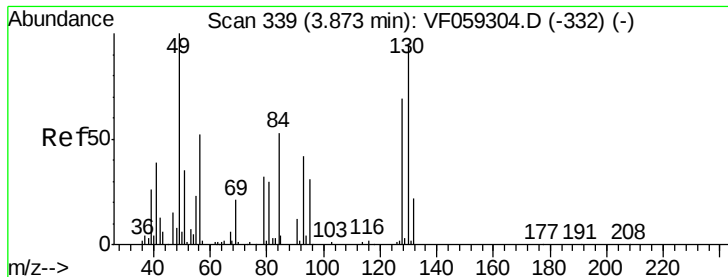
Ion Ratio Lower Upper

96 100

61 155.0 0.0 355.4

98 62.9 0.0 131.0





#28

Bromochloromethane

Concen: Below Cal

RT: 3.87 min Scan# 339

Delta R.T. -0.00 min

Lab File: VF059318.D

Acq: 26 Jun 2018 15:50

Instrument :

MSVOA_F

ClientSampleId :

WP021SB487-21-23-180621

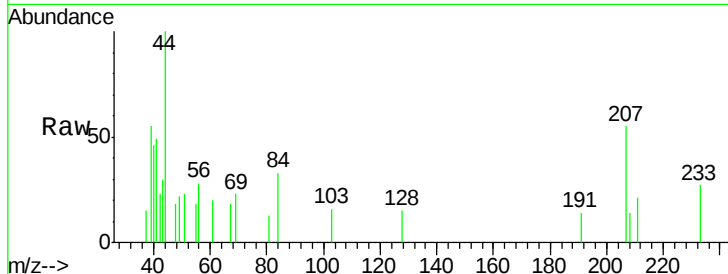
Tot Ion: 49 Resp: 186

Ion Ratio Lower Upper

49 100

129 0.0 0.0 6.4

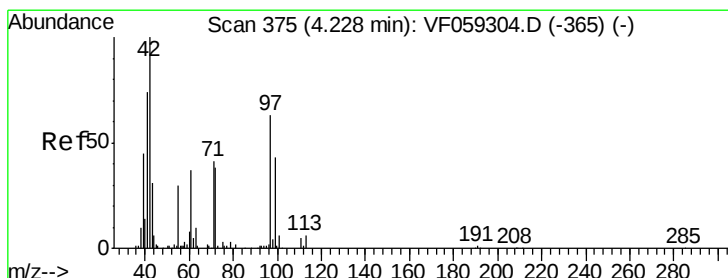
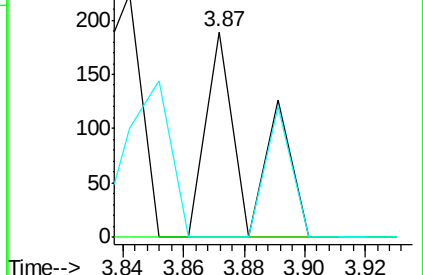
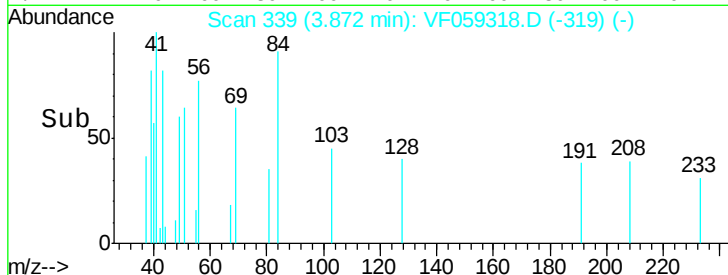
130 0.0 75.1 112.7#



Abundance Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): VF0

Ion 130.00 (129.70 to 130.70): VF0



#29

Tetrahydrofuran

Concen: Below Cal

RT: 4.24 min Scan# 376

Delta R.T. 0.01 min

Lab File: VF059318.D

Acq: 26 Jun 2018 15:50

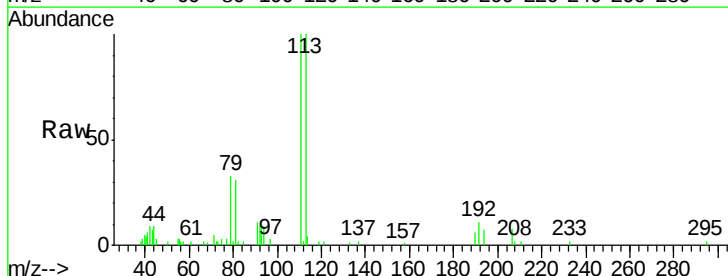
Tgt Ion: 42 Resp: 1932

Ion Ratio Lower Upper

42 100

72 12.5 30.5 45.7#

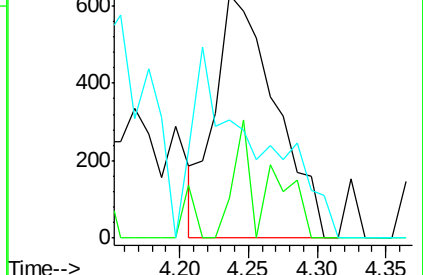
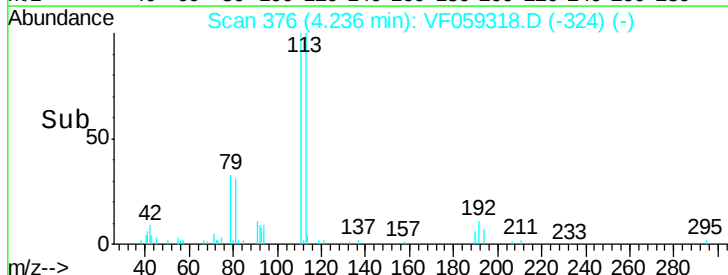
71 0.0 32.5 48.7#

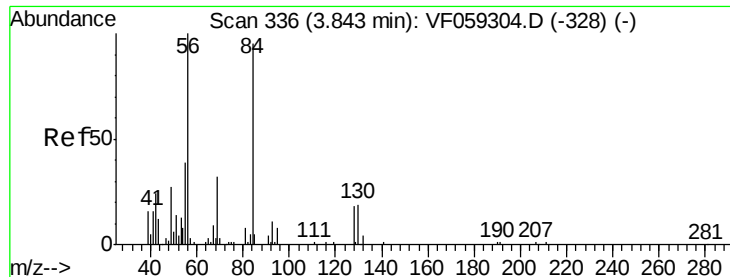


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0

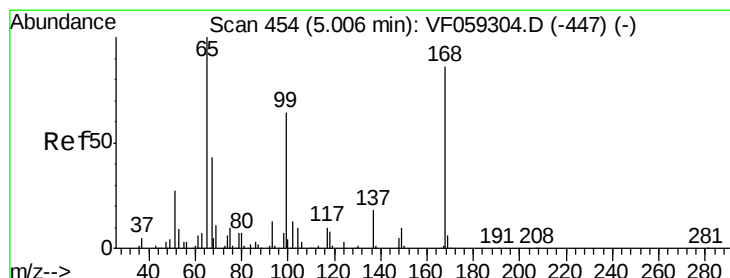
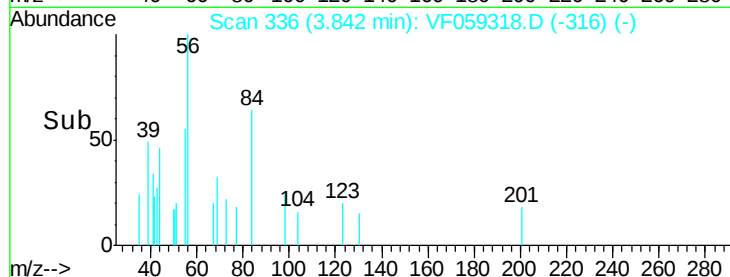
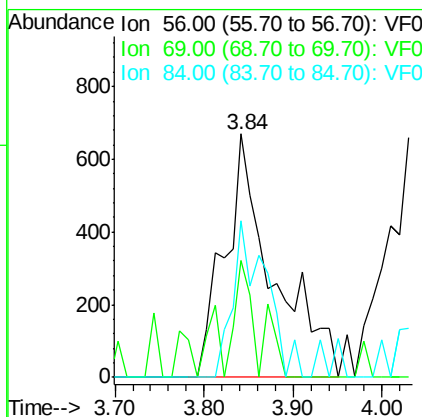
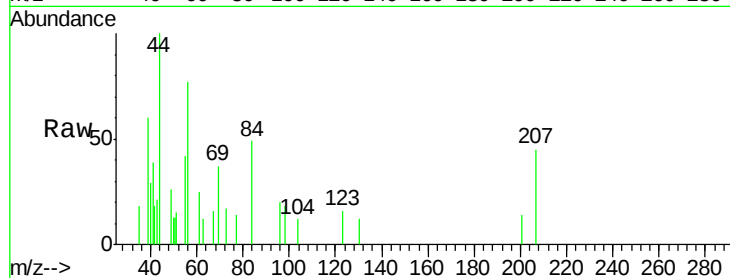




#31
Cyclohexane
Concen: 1.103 ug/l
RT: 3.84 min Scan# 336
Delta R.T. -0.00 min
Lab File: VF059318.D
Acq: 26 Jun 2018 15:50

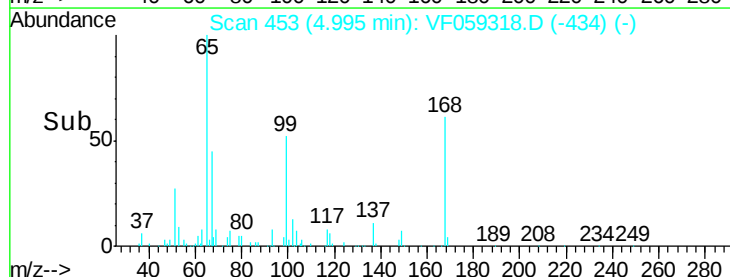
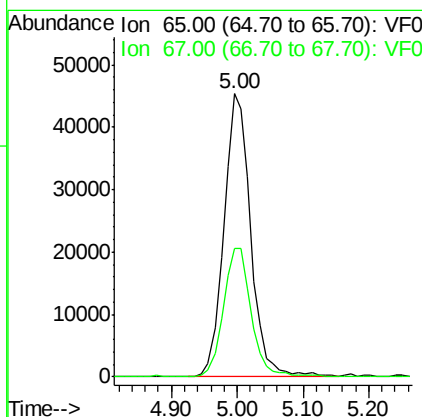
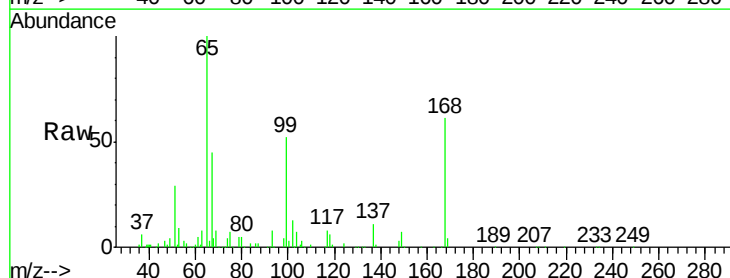
Instrument :
MSVOA_F
ClientSampleId :
WP021SB487-21-23-180621

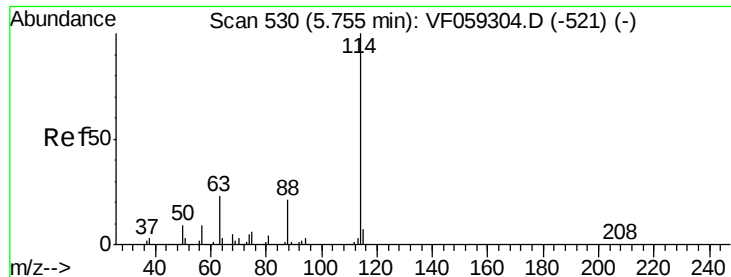
Tot Ion: 56 Resp: 2538
Ion Ratio Lower Upper
56 100
69 47.9 25.8 38.8#
84 64.3 75.6 113.4#



#33
1,2-Dichloroethane-d4
Concen: 43.075 ug/l
RT: 5.00 min Scan# 453
Delta R.T. -0.01 min
Lab File: VF059318.D
Acq: 26 Jun 2018 15:50

Tgt Ion: 65 Resp: 128603
Ion Ratio Lower Upper
65 100
67 45.4 0.0 96.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.74 min Scan# 529

Delta R.T. -0.01 min

Lab File: VF059318.D

Acq: 26 Jun 2018 15:50

Instrument :

MSVOA_F

ClientSampleId :

WP021SB487-21-23-180621

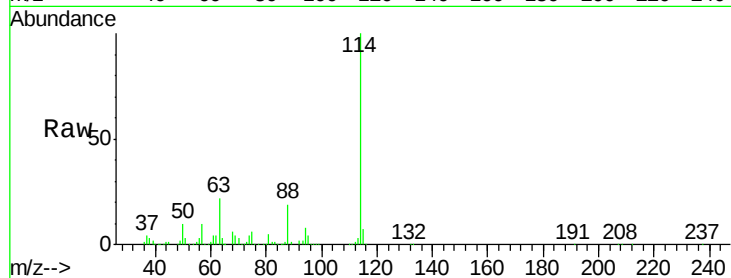
Tot Ion:114 Resp: 353502

Ion Ratio Lower Upper

114 100

63 22.3 0.0 45.8

88 19.3 0.0 41.2

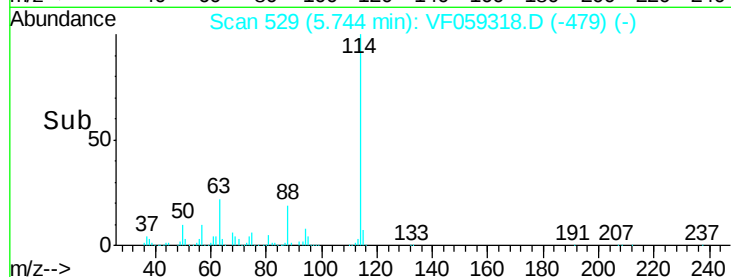


Abundance Ion 114.00 (113.70 to 114.70): V

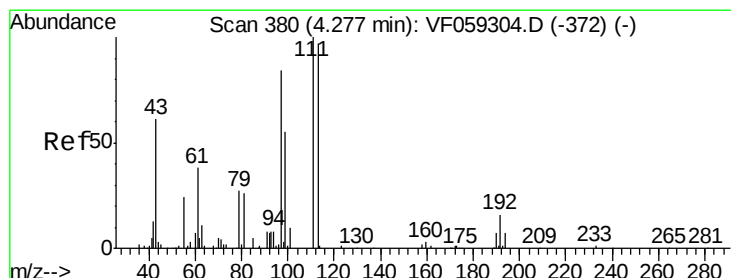
Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

5.74



Time-->



#35

Dibromofluoromethane

Concen: 46.990 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.00 min

Lab File: VF059318.D

Acq: 26 Jun 2018 15:50

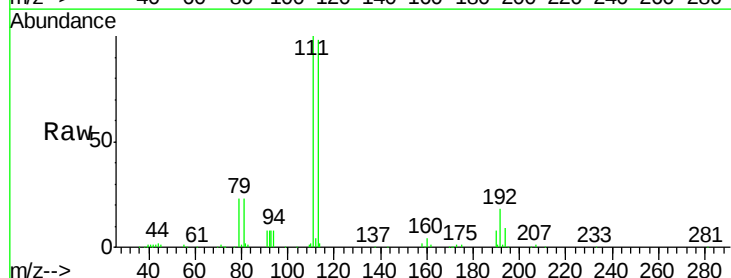
Tgt Ion:113 Resp: 121371

Ion Ratio Lower Upper

113 100

111 102.3 82.1 123.1

192 18.4 13.0 19.6

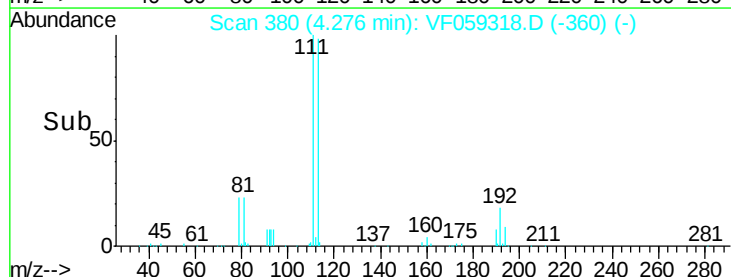


Abundance Ion 113.00 (112.70 to 113.70): V

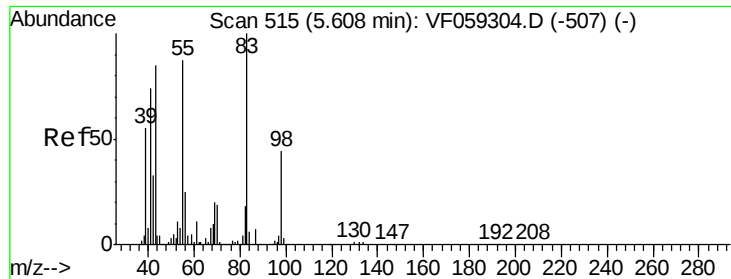
Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

4.28



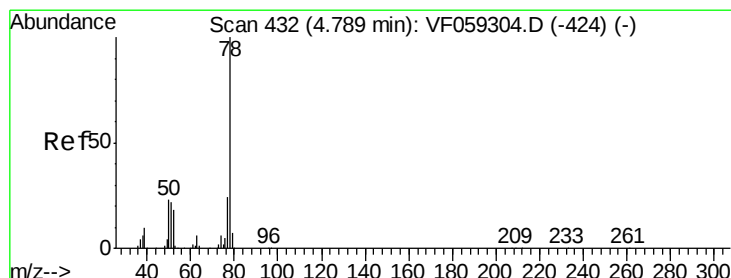
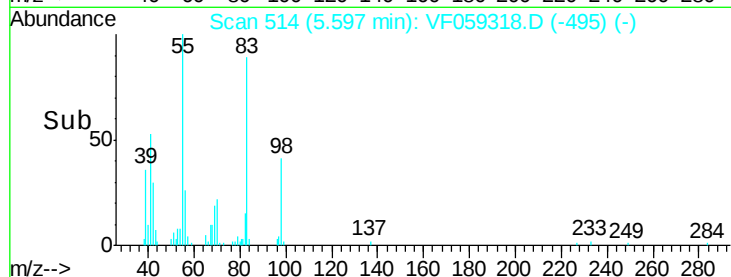
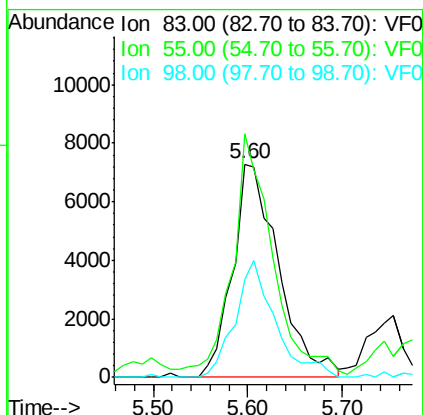
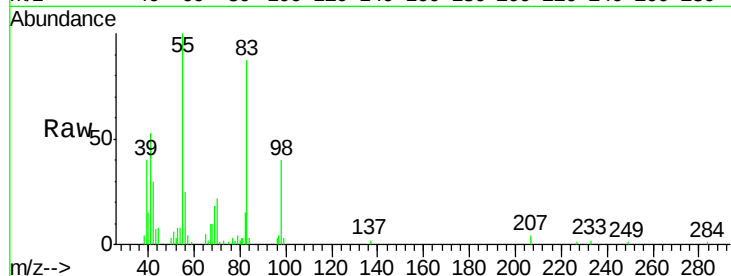
Time-->



#39
Methvlcvclohexane
Concen: 8.995 ug/l
RT: 5.60 min Scan# 514
Delta R.T. -0.01 min
Lab File: VF059318.D
Acq: 26 Jun 2018 15:50

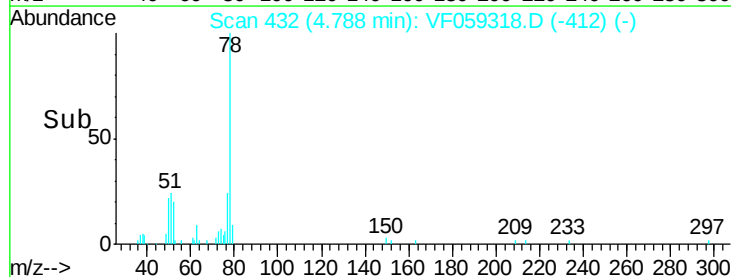
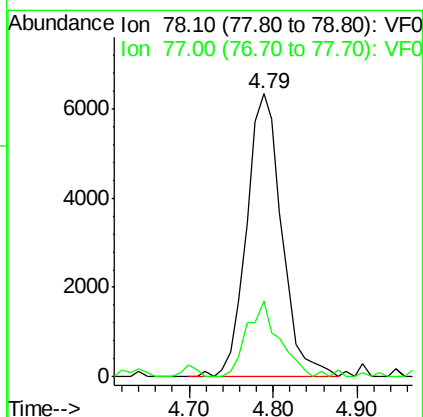
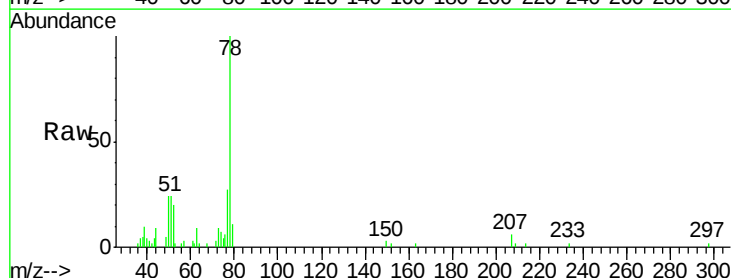
Instrument :
MSVOA_F
ClientSampleId :
WP021SB487-21-23-180621

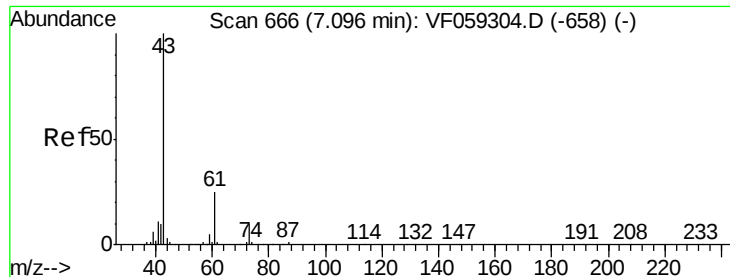
Tot Ion: 83 Resp: 24616
Ion Ratio Lower Upper
83 100
55 114.3 69.2 103.8#
98 45.8 35.0 52.6



#40
Benzene
Concen: 2.708 ug/l
RT: 4.79 min Scan# 432
Delta R.T. -0.00 min
Lab File: VF059318.D
Acq: 26 Jun 2018 15:50

Tgt Ion: 78 Resp: 18541
Ion Ratio Lower Upper
78 100
77 27.0 19.6 29.4





#43

Isopropyl Acetate

Concen: 1.642 ug/l

RT: 7.09 min Scan# 666

Delta R.T. -0.00 min

Lab File: VF059318.D

Acq: 26 Jun 2018 15:50

Instrument :

MSVOA_F

ClientSampleId :

WP021SB487-21-23-180621

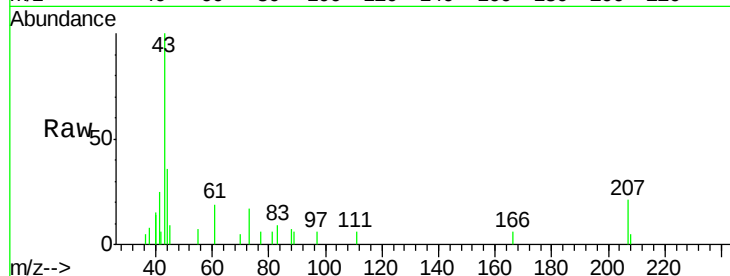
Tot Ion: 43 Resp: 4223

Ion Ratio Lower Upper

43 100

61 19.3 19.7 29.5#

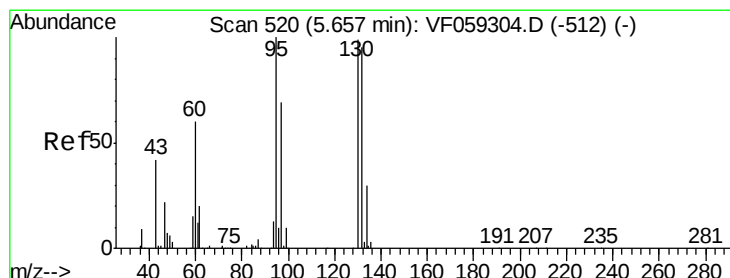
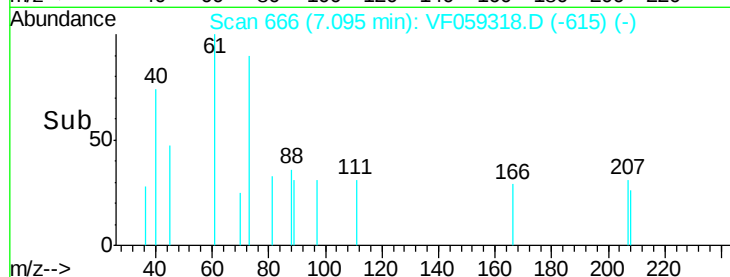
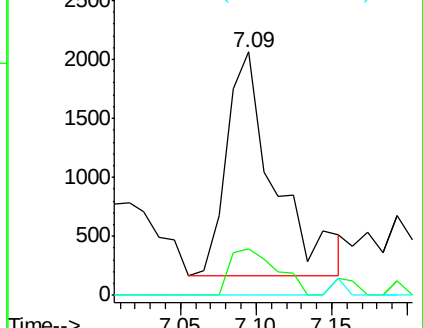
87 0.0 0.5 0.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 10.130 ug/l

RT: 5.66 min Scan# 520

Delta R.T. -0.00 min

Lab File: VF059318.D

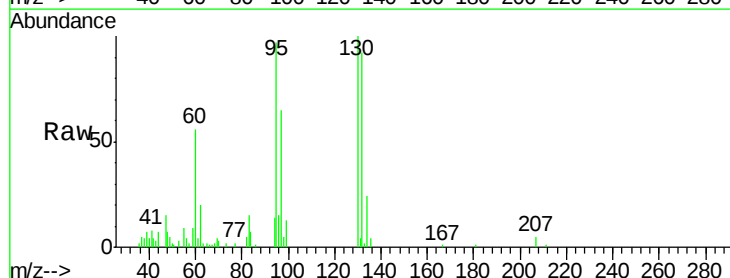
Acq: 26 Jun 2018 15:50

Tgt Ion:130 Resp: 23794

Ion Ratio Lower Upper

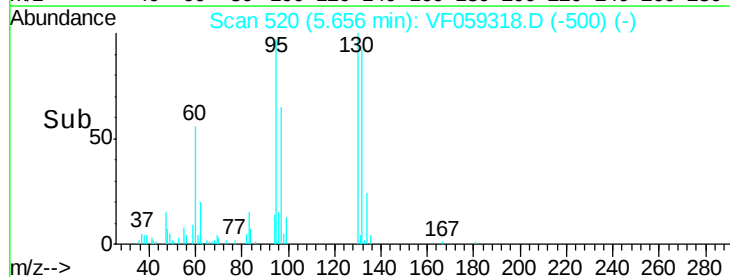
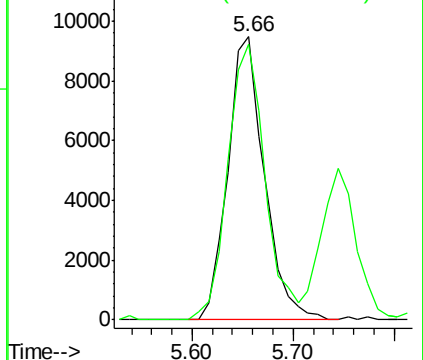
130 100

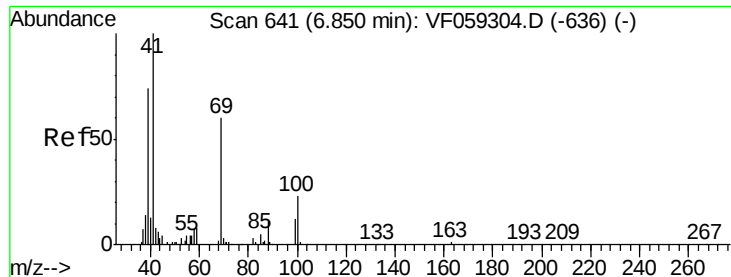
95 97.4 0.0 202.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#49

1,4-Dioxane

Concen: Below Cal

RT: 6.86 min Scan# 642

Delta R.T. 0.01 min

Lab File: VF059318.D

Acq: 26 Jun 2018 15:50

Instrument :

MSVOA_F

ClientSampleId :

WP021SB487-21-23-180621

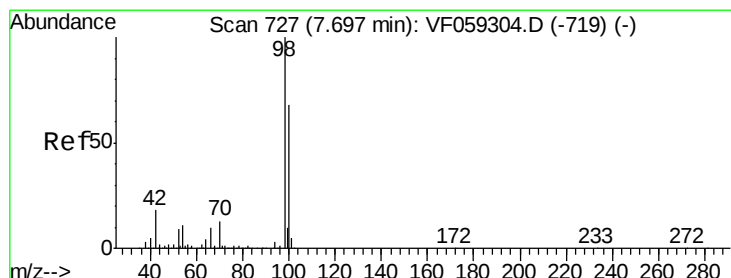
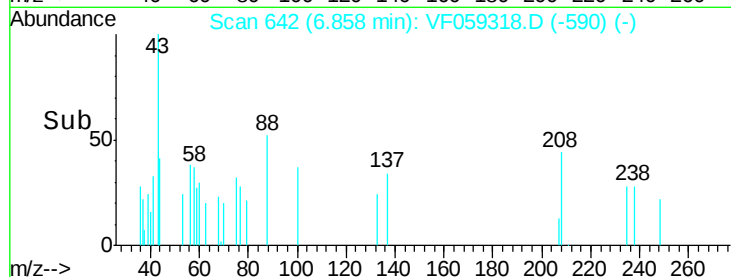
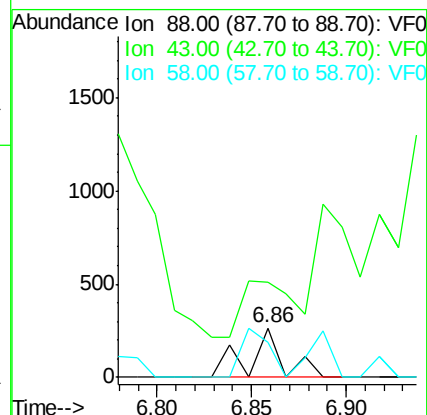
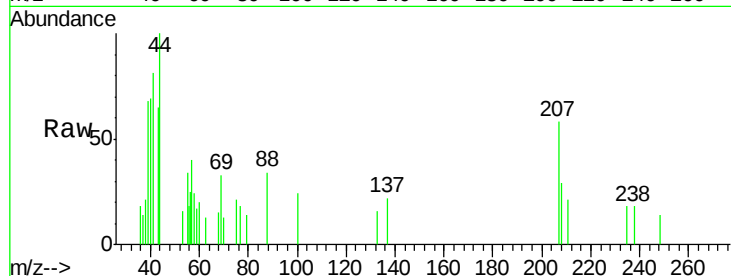
Tot Ion: 88 Resp: 325

Ion Ratio Lower Upper

88 100

43 192.8 50.6 75.8#

58 71.6 46.6 69.8#



#50

Toluene-d8

Concen: 44.859 ug/l

RT: 7.69 min Scan# 726

Delta R.T. -0.01 min

Lab File: VF059318.D

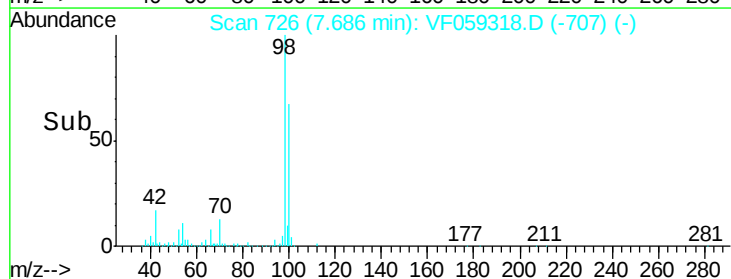
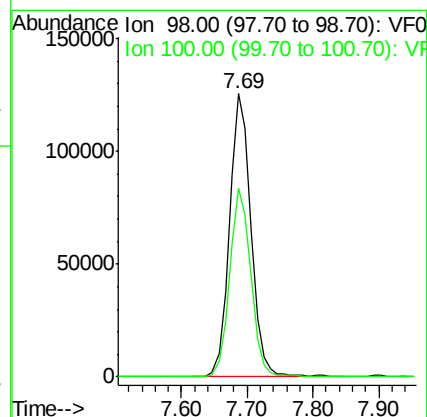
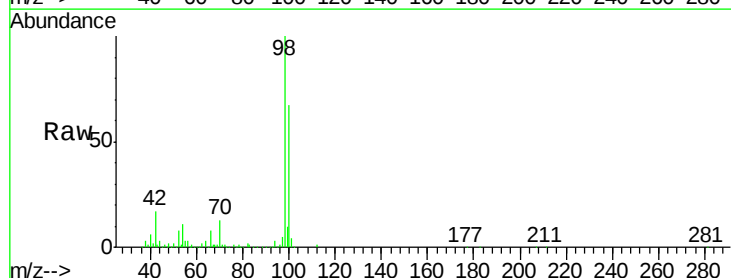
Acq: 26 Jun 2018 15:50

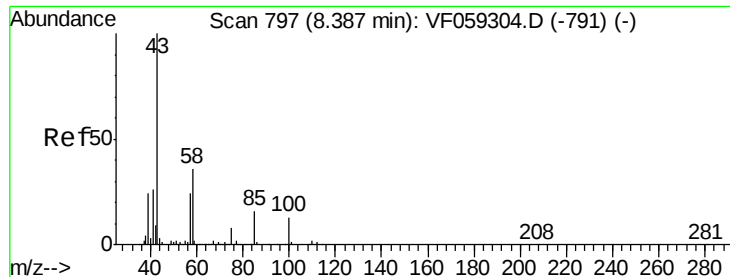
Tgt Ion: 98 Resp: 286876

Ion Ratio Lower Upper

98 100

100 66.8 54.6 82.0





#51

4-Methyl-2-Pentanone

Concen: 18.517 ug/l

RT: 8.40 min Scan# 798

Delta R.T. 0.01 min

Lab File: VF059318.D

Acq: 26 Jun 2018 15:50

Instrument :

MSVOA_F

ClientSampleId :

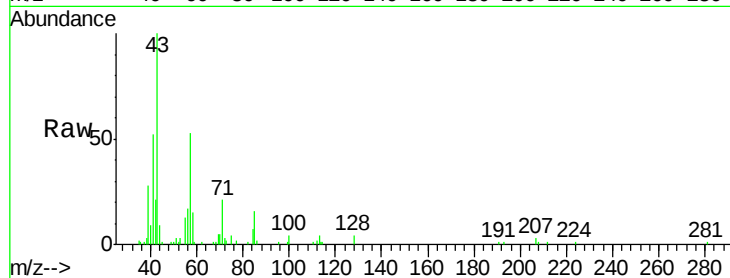
WP021SB487-21-23-180621

Tot Ion: 43 Resp: 35288

Ion Ratio Lower Upper

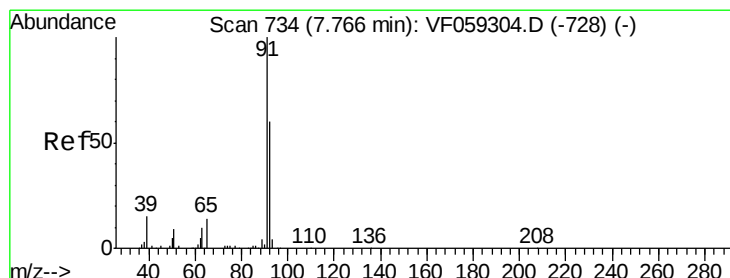
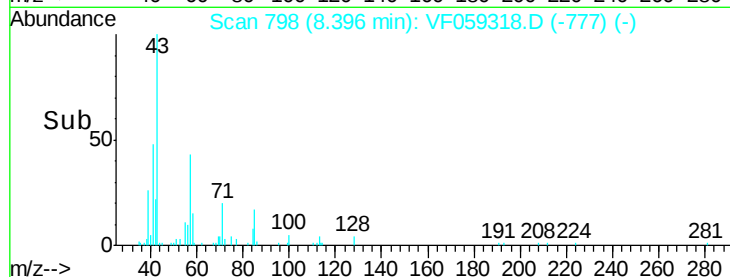
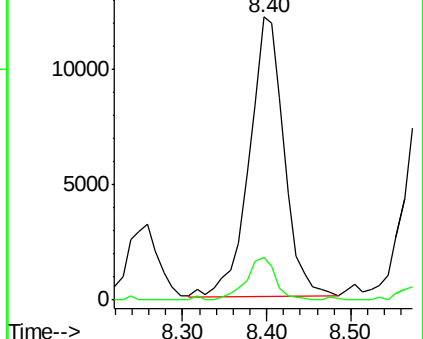
43 100

58 15.0 28.4 42.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 1.523 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.00 min

Lab File: VF059318.D

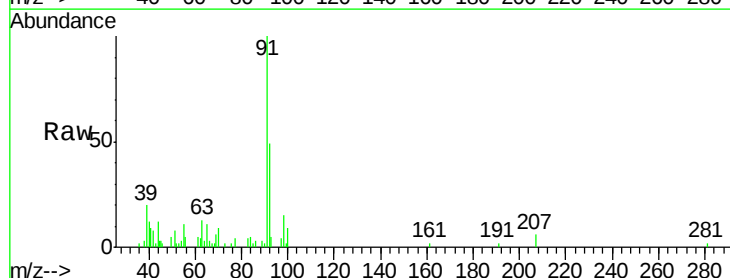
Acq: 26 Jun 2018 15:50

Tgt Ion: 92 Resp: 7801

Ion Ratio Lower Upper

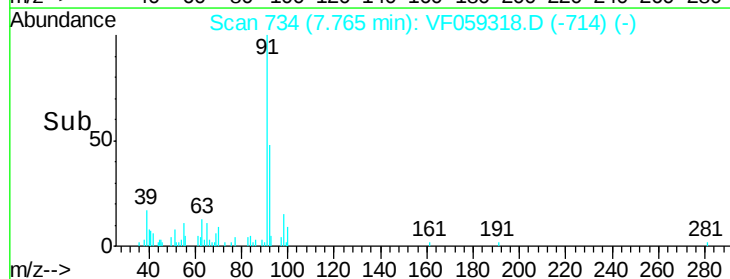
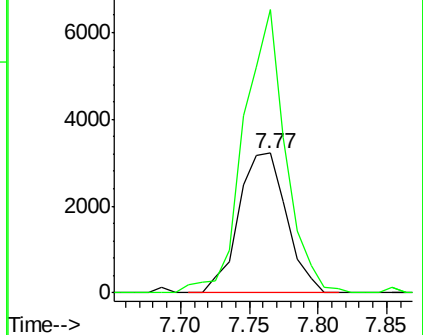
92 100

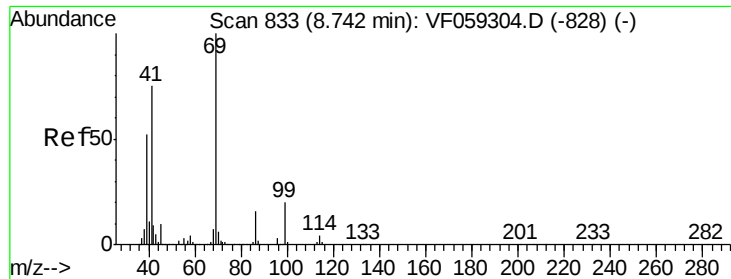
91 202.9 132.8 199.2#



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#56

Ethyl methacrylate

Concen: 4.452 ug/l

RT: 8.81 min Scan# 840

Delta R.T. 0.07 min

Lab File: VF059318.D

Acq: 26 Jun 2018 15:50

Instrument :

MSVOA_F

ClientSampleId :

WP021SB487-21-23-180621

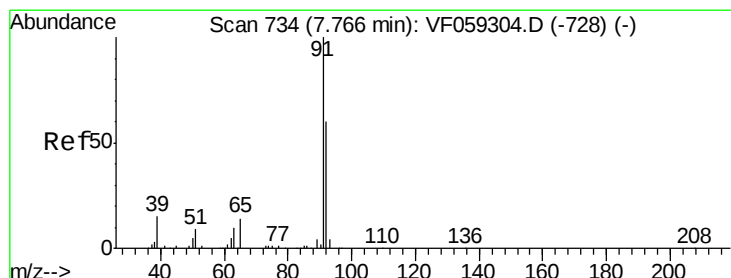
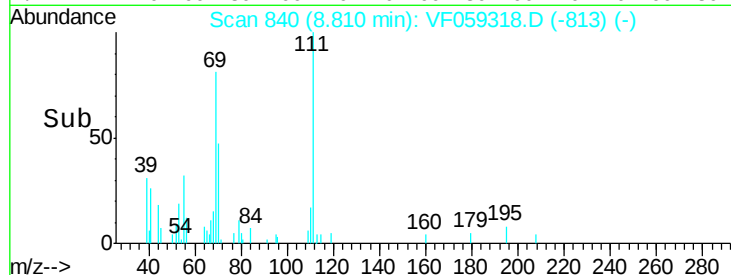
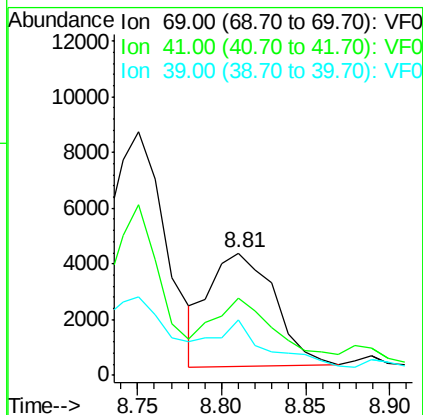
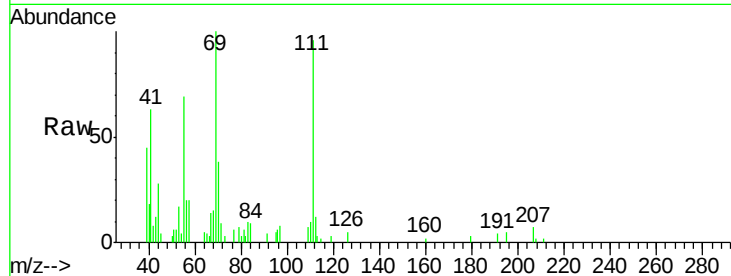
Tot Ion: 69 Resp: 10970

Ion Ratio Lower Upper

69 100

41 62.9 60.3 90.5

39 45.1 42.2 63.4



#58

2-Chloroethyl Vinyl ether

Concen: 10.226 ug/l

RT: 7.76 min Scan# 733

Delta R.T. -0.01 min

Lab File: VF059318.D

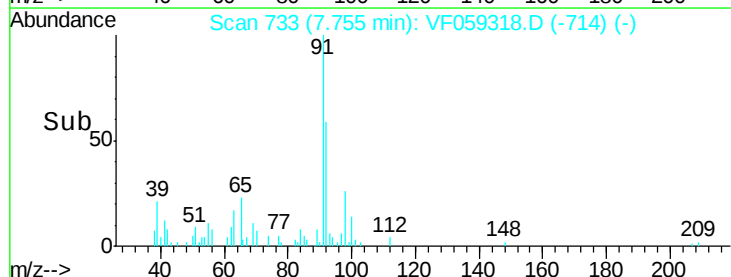
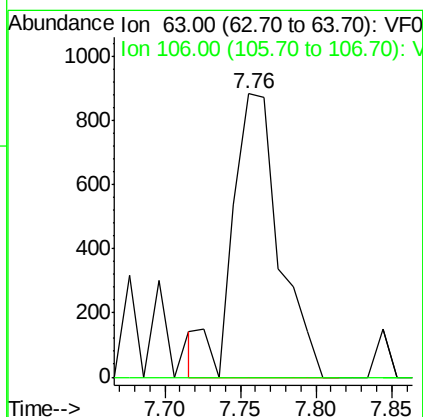
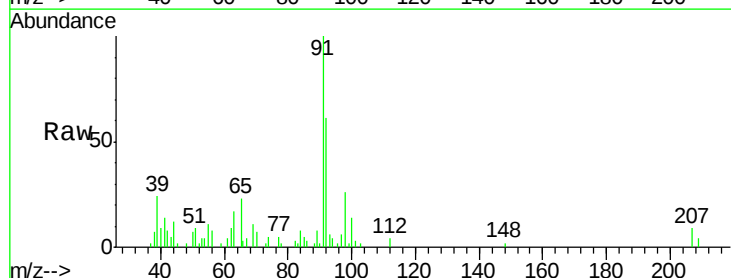
Acq: 26 Jun 2018 15:50

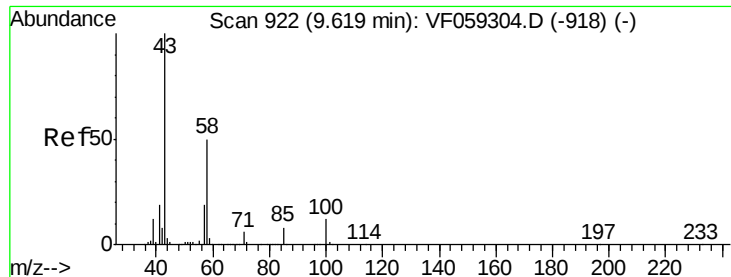
Tgt Ion: 63 Resp: 1890

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

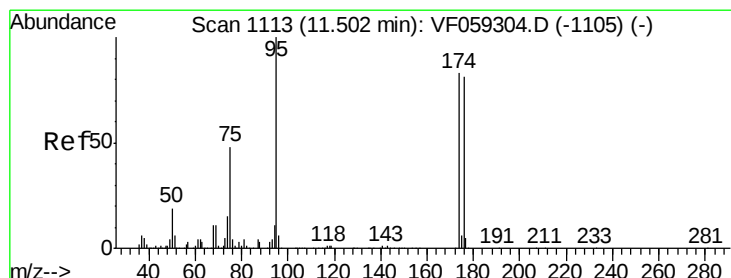
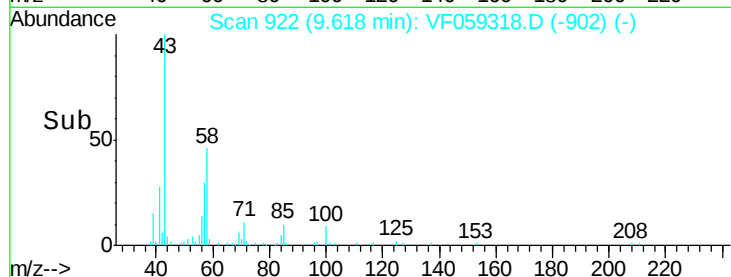
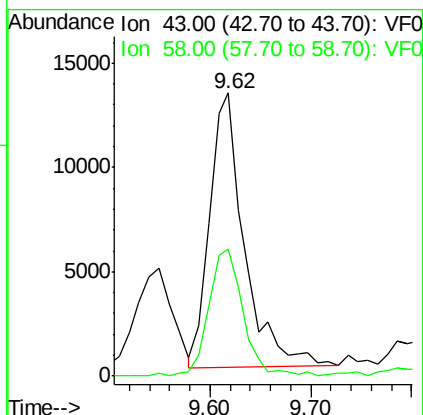
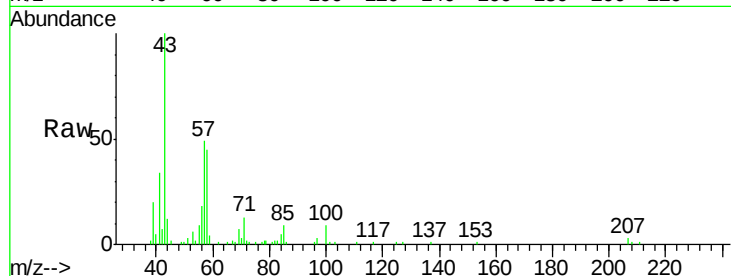




#59
2-Hexanone
Concen: 5.531 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.00 min
Lab File: VF059318.D
Acq: 26 Jun 2018 15:50

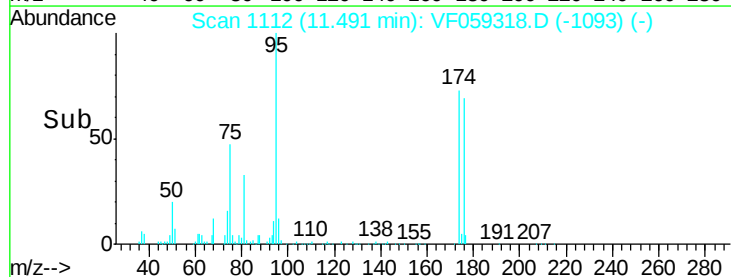
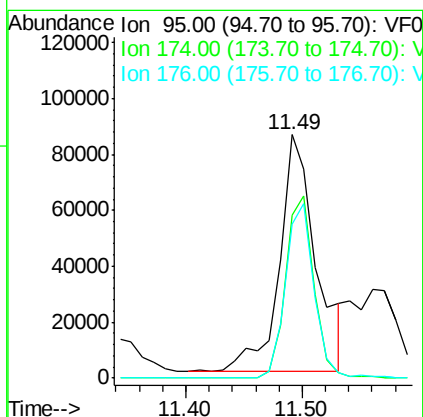
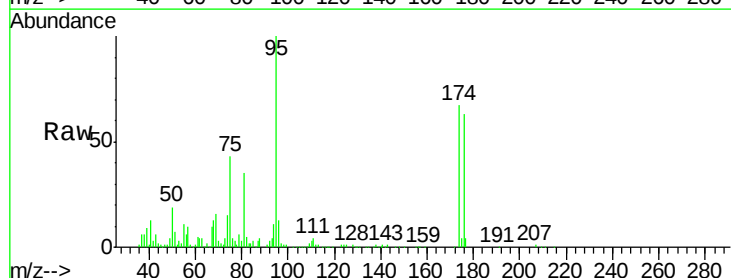
Instrument :
MSVOA_F
ClientSampleId :
WP021SB487-21-23-180621

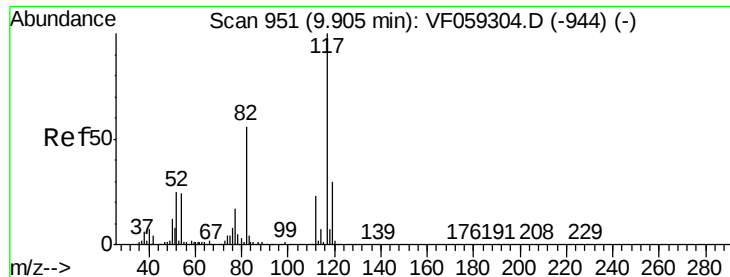
Tot Ion: 43 Resp: 31575
Ion Ratio Lower Upper
43 100
58 44.9 23.3 69.9



#62
4-Bromofluorobenzene
Concen: 50.728 ug/l
RT: 11.49 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VF059318.D
Acq: 26 Jun 2018 15:50

Tgt Ion: 95 Resp: 182996
Ion Ratio Lower Upper
95 100
174 66.7 0.0 165.2
176 63.2 0.0 161.0

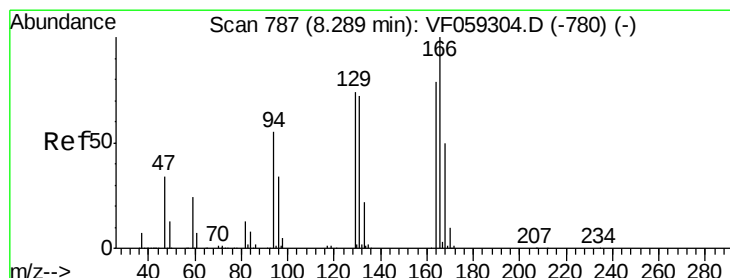
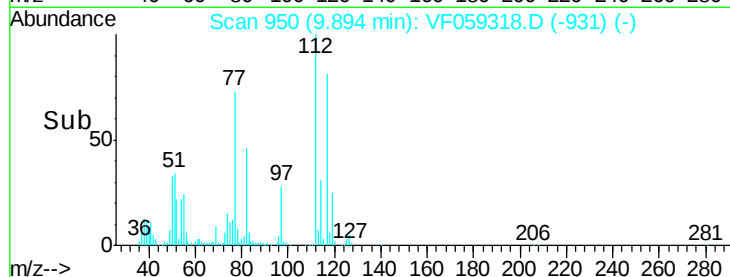
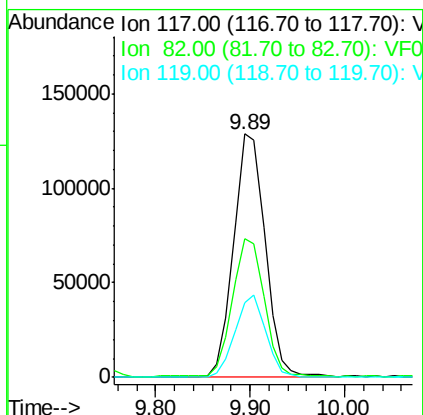
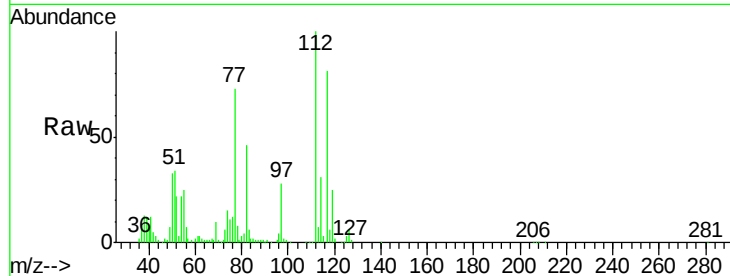




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.89 min Scan# 950
Delta R.T. -0.01 min
Lab File: VF059318.D
Acq: 26 Jun 2018 15:50

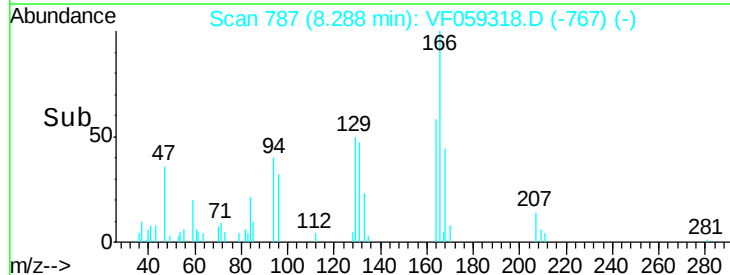
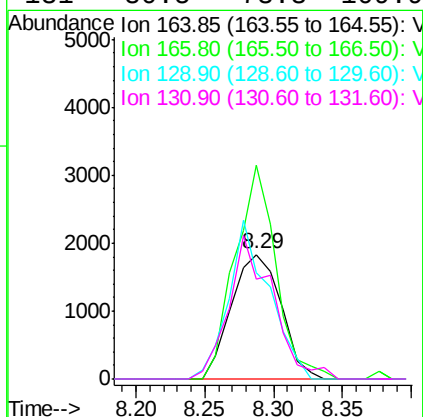
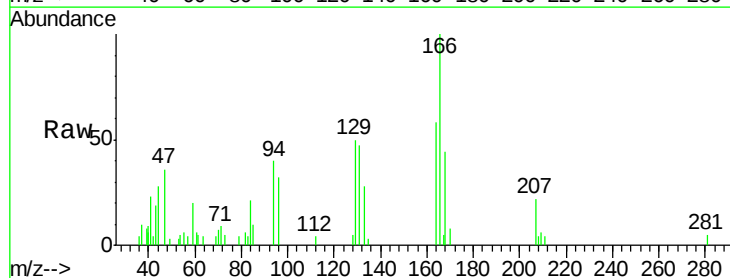
Instrument :
MSVOA_F
ClientSampleId :
WP021SB487-21-23-180621

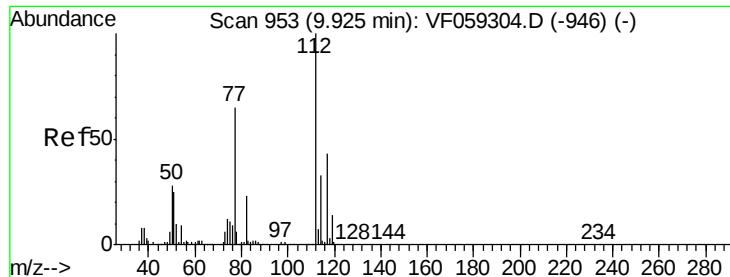
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.2	44.6	66.8
119	30.8	24.1	36.1



#64
Tetrachloroethene
Concen: 2.381 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.00 min
Lab File: VF059318.D
Acq: 26 Jun 2018 15:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	171.1	101.1	151.7#
129	85.1	75.0	112.4
131	80.5	73.3	109.9

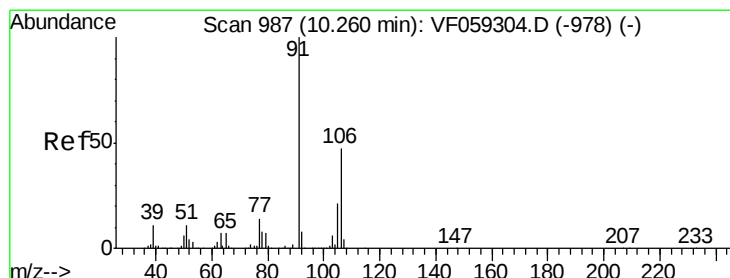
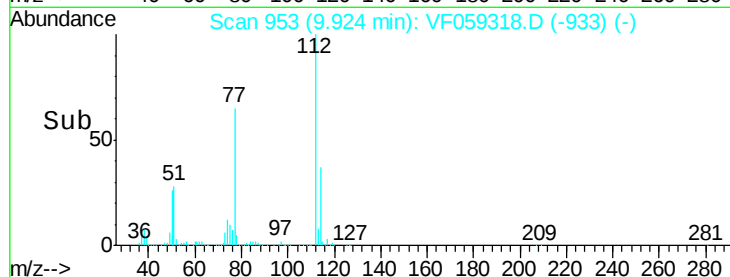
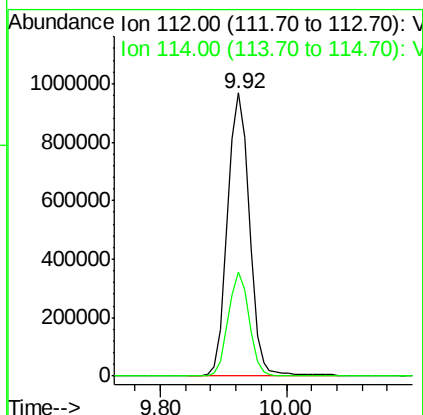
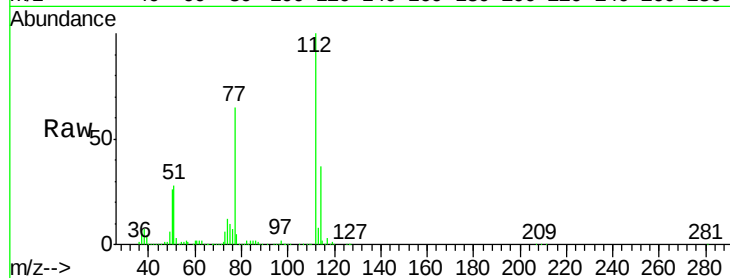




#65
Chlorobenzene
Concen: 421.564 ug/l
RT: 9.92 min Scan# 953
Delta R.T. -0.00 min
Lab File: VF059318.D
Acq: 26 Jun 2018 15:50

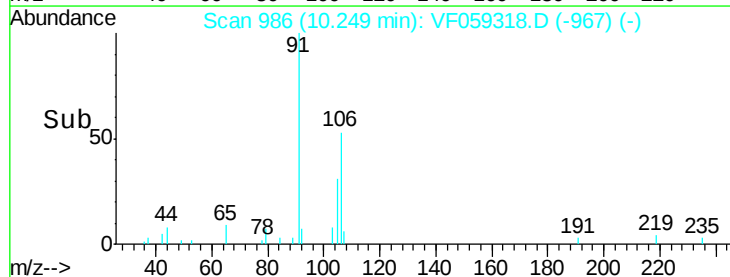
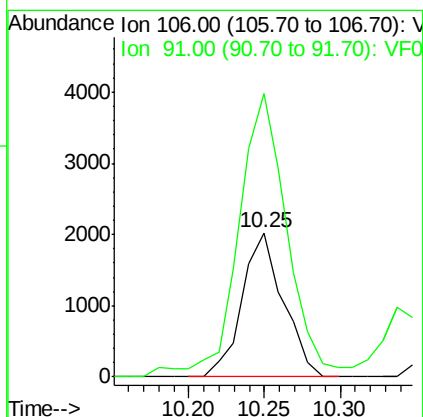
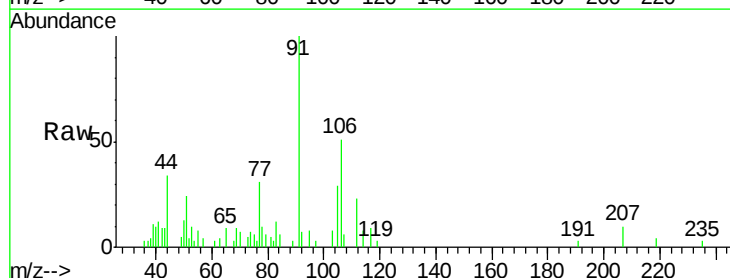
Instrument :
MSVOA_F
ClientSampleId :
WP021SB487-21-23-180621

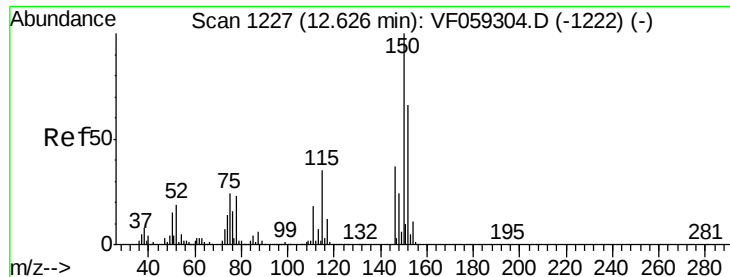
Tot Ion:112 Resp: 2337605
Ion Ratio Lower Upper
112 100
114 36.6 26.5 39.7



#68
m/p-Xylenes
Concen: 1.148 ug/l
RT: 10.25 min Scan# 986
Delta R.T. -0.01 min
Lab File: VF059318.D
Acq: 26 Jun 2018 15:50

Tgt Ion:106 Resp: 3845
Ion Ratio Lower Upper
106 100
91 196.1 170.8 256.2



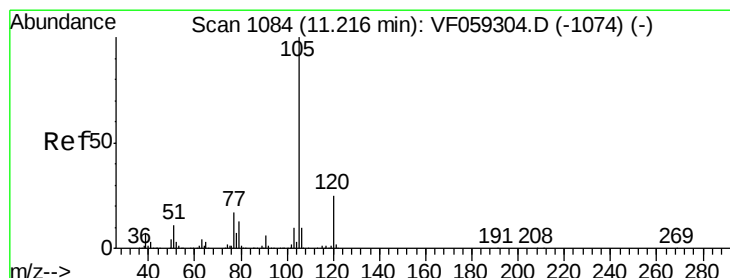
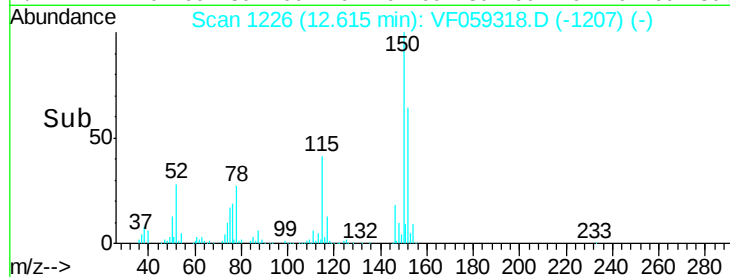
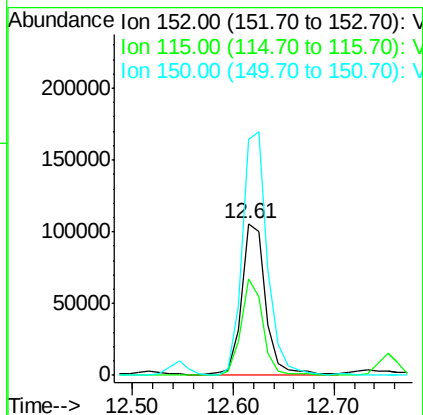
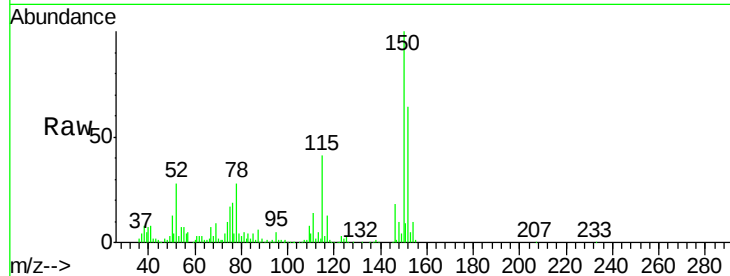


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.61 min Scan# 1226
Delta R.T. -0.01 min
Lab File: VF059318.D
Acq: 26 Jun 2018 15:50

Instrument :
MSVOA_F
ClientSampleId :
WP021SB487-21-23-180621

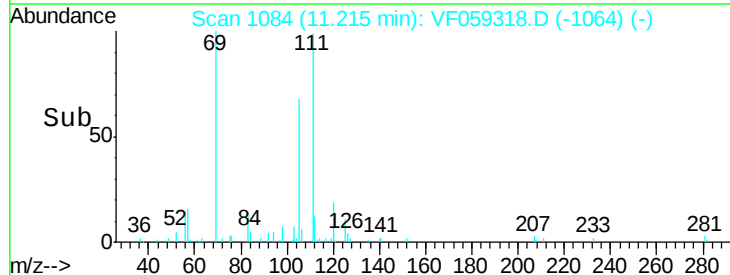
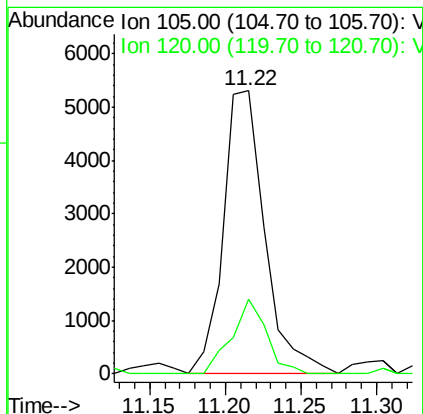
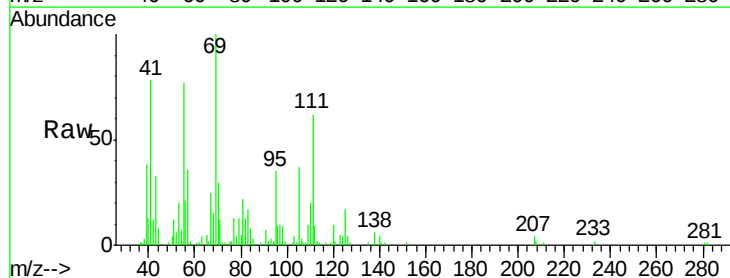
Tot Ion:152 Resp: 172872
Ion Ratio Lower Upper
152 100
115 63.3 27.1 81.3
150 155.6 0.0 305.2

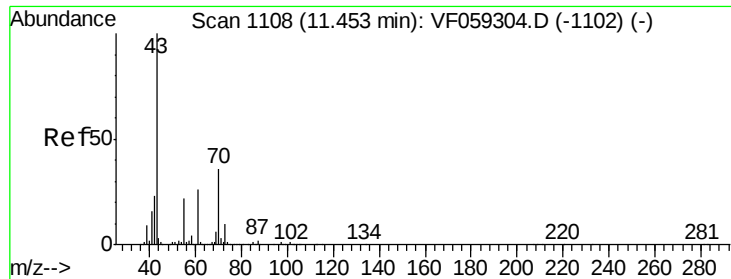


#73

Isopropylbenzene
Concen: 1.006 ug/l
RT: 11.22 min Scan# 1084
Delta R.T. -0.00 min
Lab File: VF059318.D
Acq: 26 Jun 2018 15:50

Tgt Ion:105 Resp: 10127
Ion Ratio Lower Upper
105 100
120 26.4 12.3 36.8





#74

N-amvl acetate

Concen: 11.991 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.02 min

Lab File: VF059318.D

Acq: 26 Jun 2018 15:50

Instrument :

MSVOA_F

ClientSampleId :

WP021SB487-21-23-180621

Tot Ion: 43 Resp: 43825

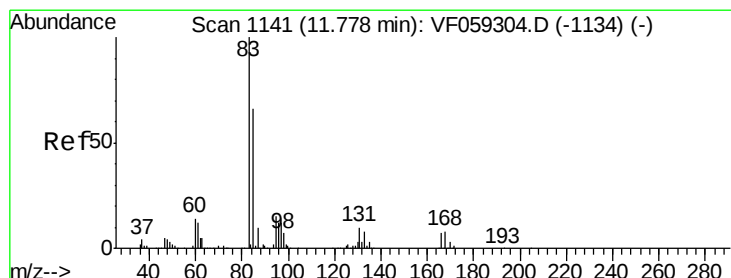
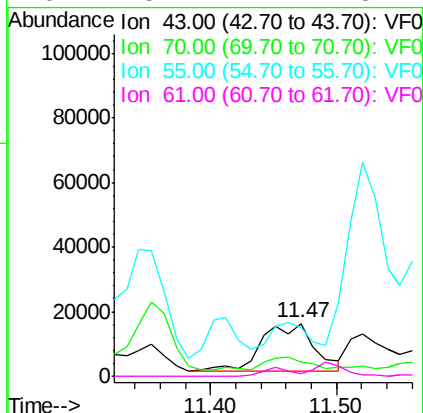
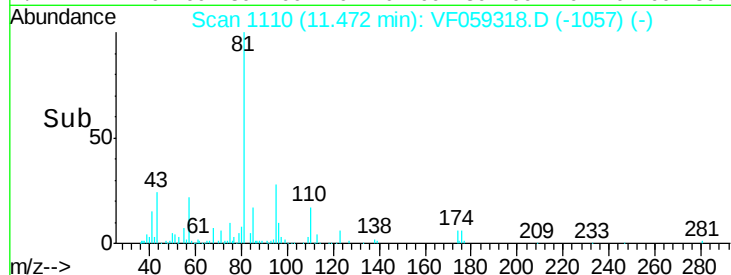
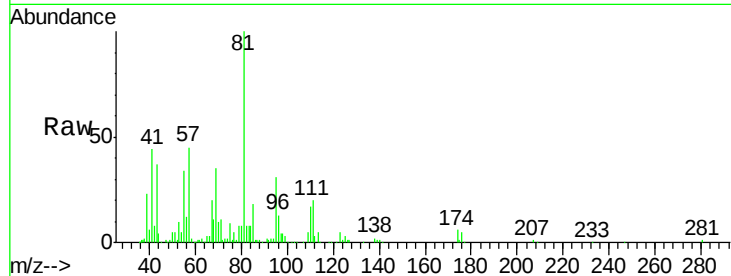
Ion Ratio Lower Upper

43 100

70 27.6 28.8 43.2#

55 91.8 17.4 26.0#

61 3.7 21.1 31.7#



#75

1,1,2,2-Tetrachloroethane

Concen: 13.852 ug/l

RT: 11.75 min Scan# 1138

Delta R.T. -0.03 min

Lab File: VF059318.D

Acq: 26 Jun 2018 15:50

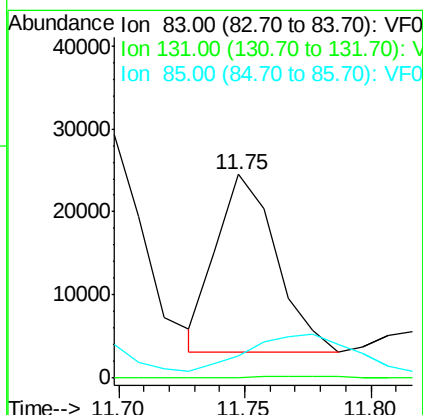
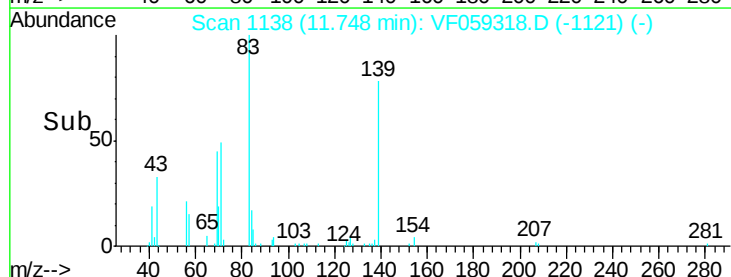
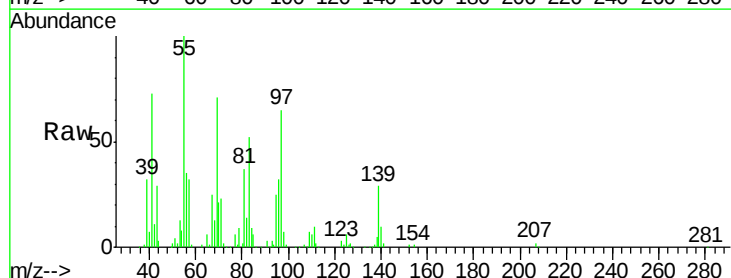
Tgt Ion: 83 Resp: 35233

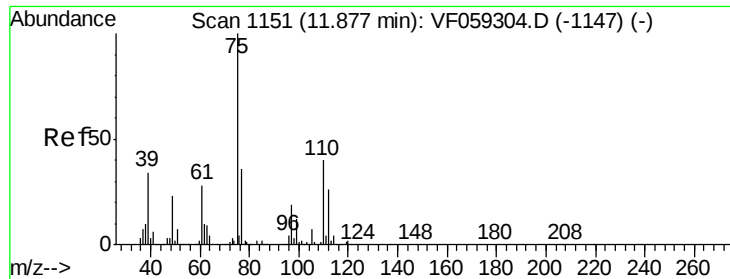
Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.6#

85 11.2 32.8 98.4#

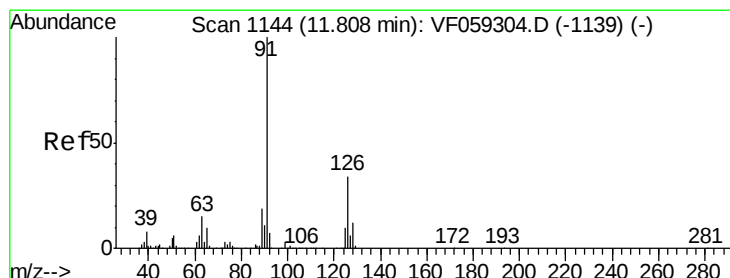
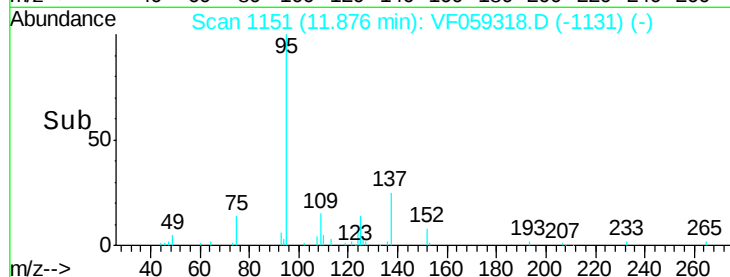
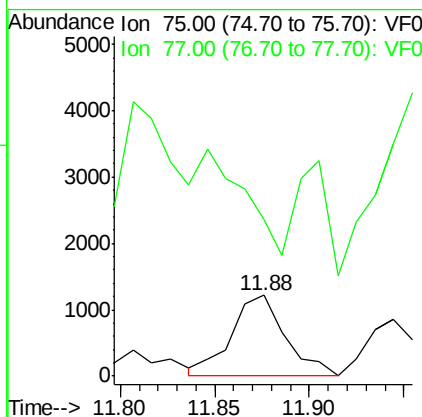
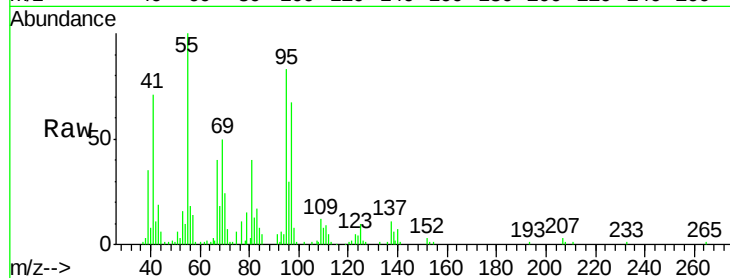




#76
 1,2,3-Trichloropropane
 Concen: 1.260 ug/l
 RT: 11.88 min Scan# 1151
 Delta R.T. -0.00 min
 Lab File: VF059318.D
 Acq: 26 Jun 2018 15:50

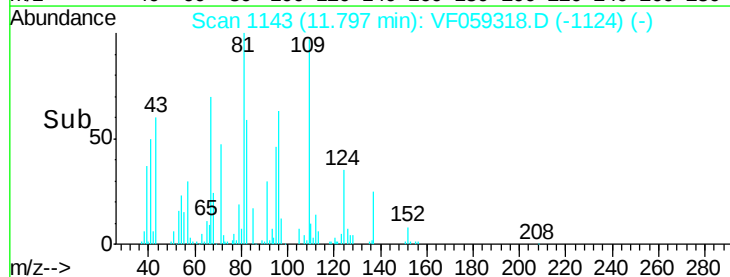
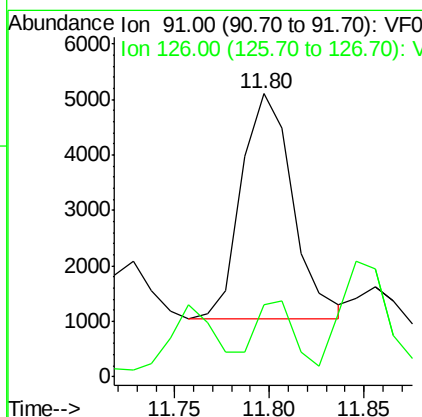
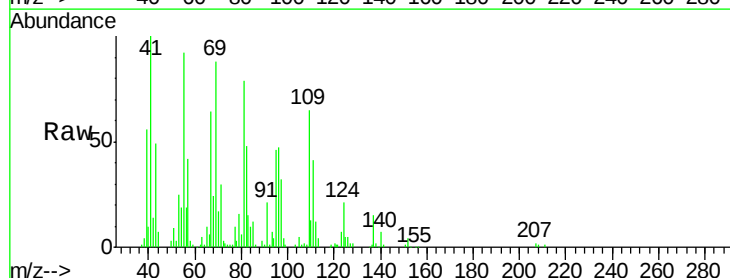
Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB487-21-23-180621

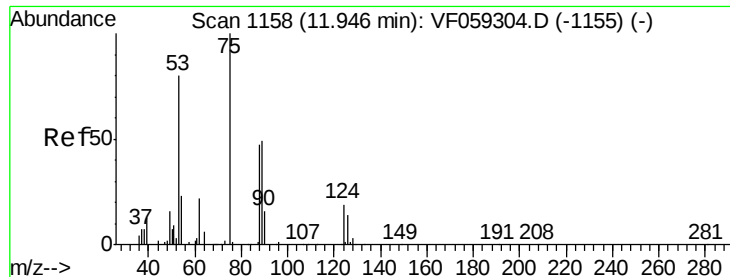
Tot Ion: 75 Resp: 2418
 Ion Ratio Lower Upper
 75 100
 77 193.9 18.0 54.0#



#79
 2-Chlorotoluene
 Concen: 1.029 ug/l
 RT: 11.80 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VF059318.D
 Acq: 26 Jun 2018 15:50

Tgt Ion: 91 Resp: 7601
 Ion Ratio Lower Upper
 91 100
 126 25.5 17.2 51.5





#81

trans-1,4-Dichloro-2-butene

Concen: 1.612 ug/l

RT: 11.94 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF059318.D

Acq: 26 Jun 2018 15:50

Instrument :

MSVOA_F

ClientSampleId :

WP021SB487-21-23-180621

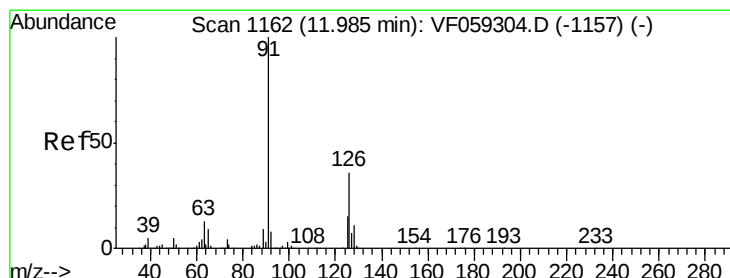
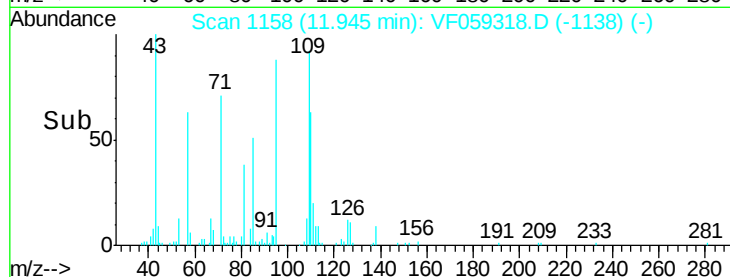
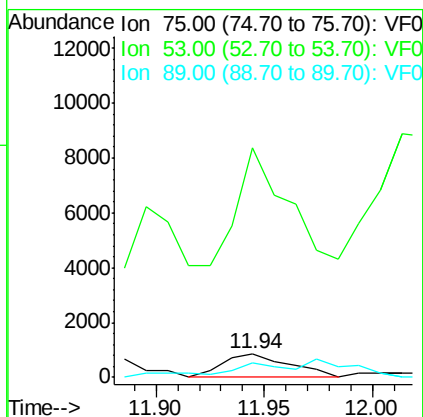
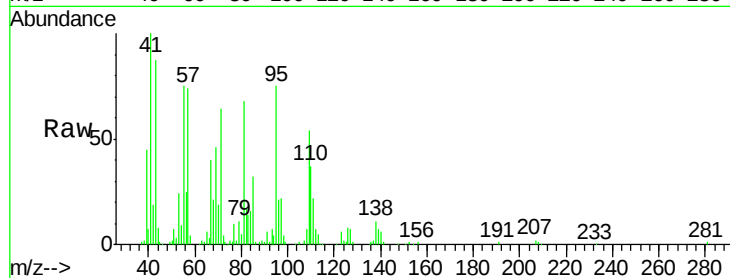
Tot Ion: 75 Resp: 1841

Ion Ratio Lower Upper

75 100

53 968.2 68.8 103.2#

89 62.5 42.0 63.0



#82

4-Chlorotoluene

Concen: 1.641 ug/l

RT: 11.97 min Scan# 1161

Delta R.T. -0.01 min

Lab File: VF059318.D

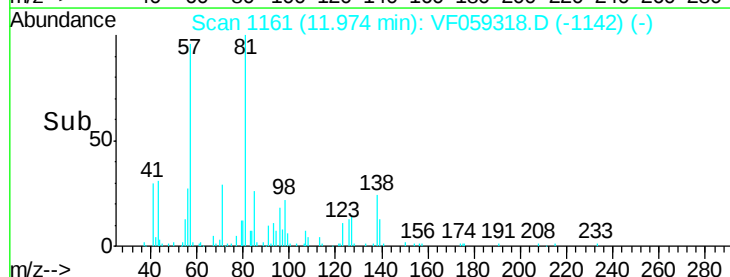
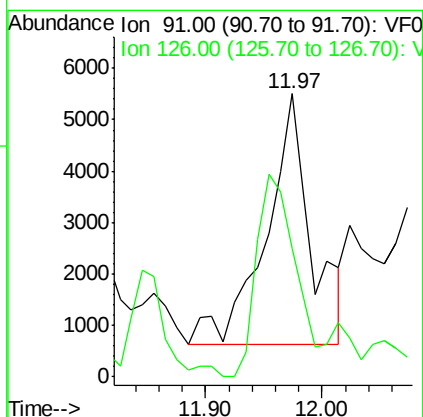
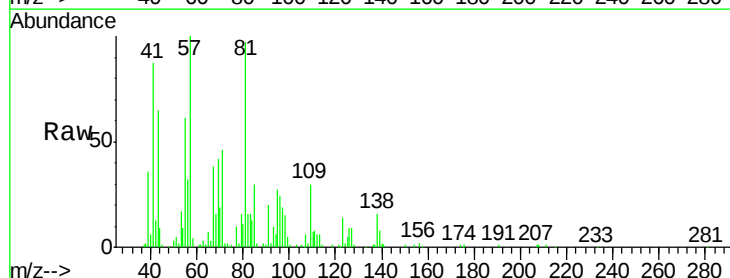
Acq: 26 Jun 2018 15:50

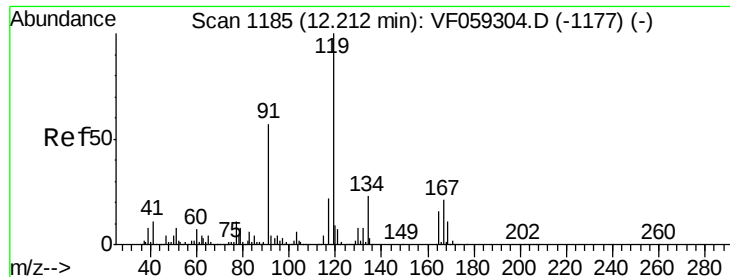
Tgt Ion: 91 Resp: 12987

Ion Ratio Lower Upper

91 100

126 45.4 18.2 54.6

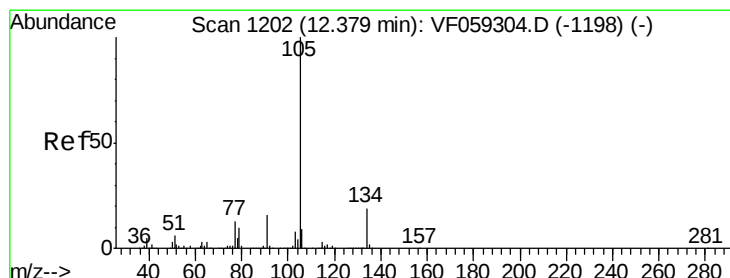
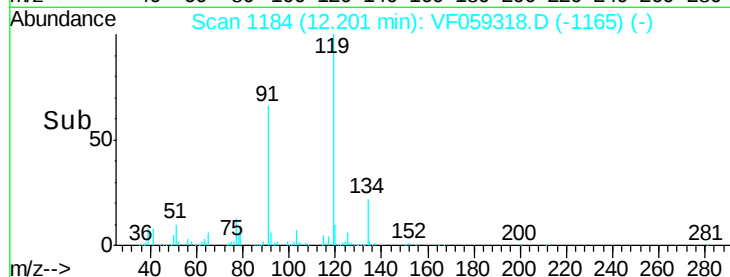
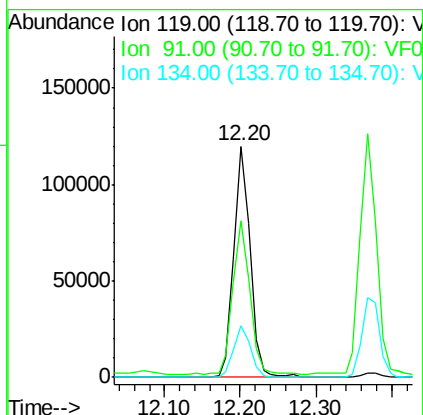
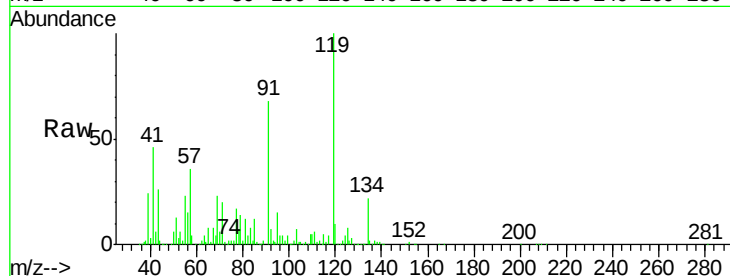




#83
tert-Butylbenzene
Concen: 20.150 ug/l
RT: 12.20 min Scan# 1184
Delta R.T. -0.01 min
Lab File: VF059318.D
Acq: 26 Jun 2018 15:50

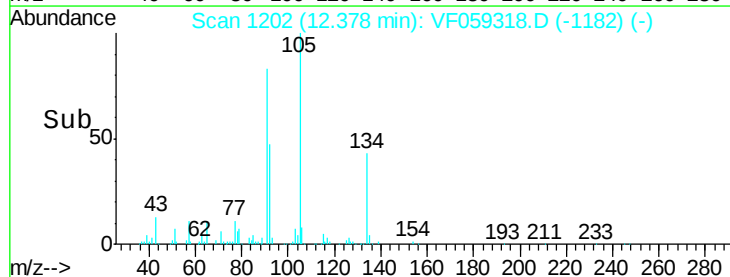
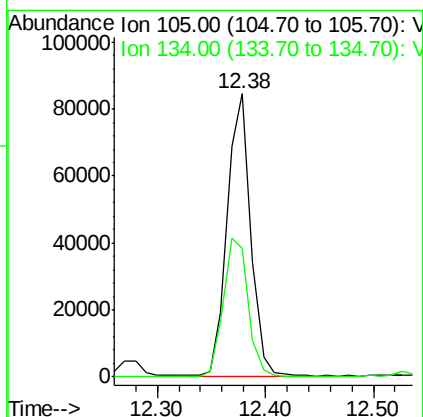
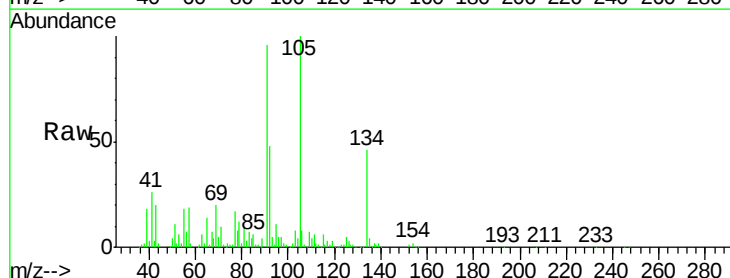
Instrument :
MSVOA_F
ClientSampleId :
WP021SB487-21-23-180621

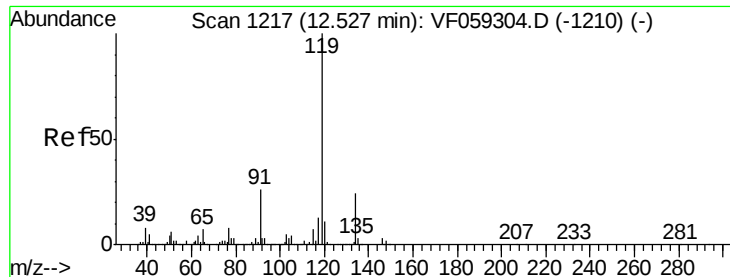
Tot Ion:119 Resp: 177793
Ion Ratio Lower Upper
119 100
91 67.6 28.4 85.2
134 22.1 11.7 35.1



#85
sec-Butylbenzene
Concen: 10.989 ug/l
RT: 12.38 min Scan# 1202
Delta R.T. -0.00 min
Lab File: VF059318.D
Acq: 26 Jun 2018 15:50

Tgt Ion:105 Resp: 128523
Ion Ratio Lower Upper
105 100
134 45.5 9.4 28.3#

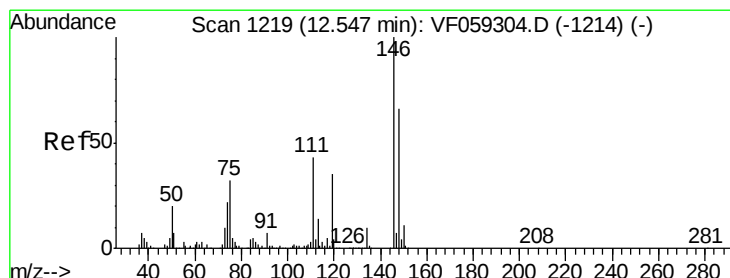
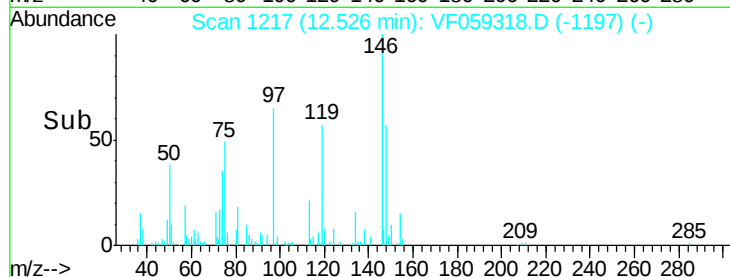
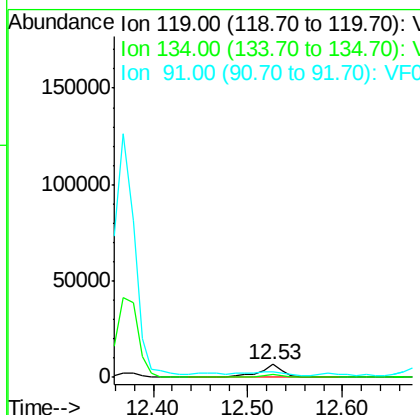
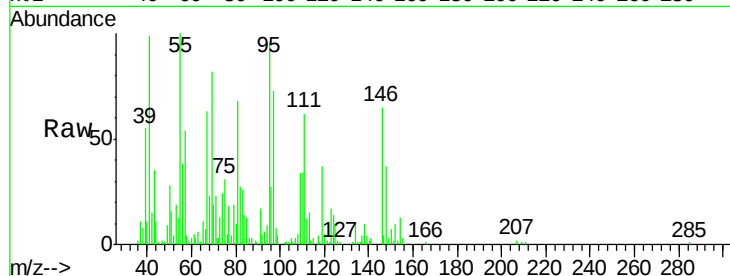




#86
 p-Isopropyltoluene
 Concen: 1.153 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.00 min
 Lab File: VF059318.D
 Acq: 26 Jun 2018 15:50

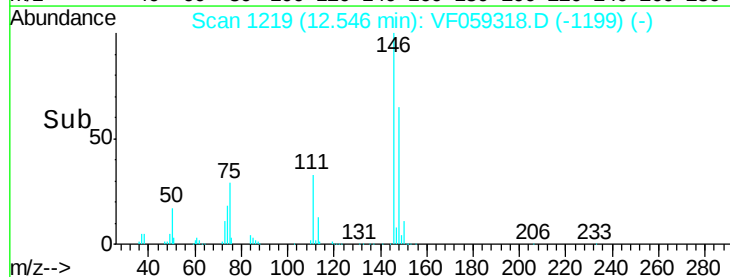
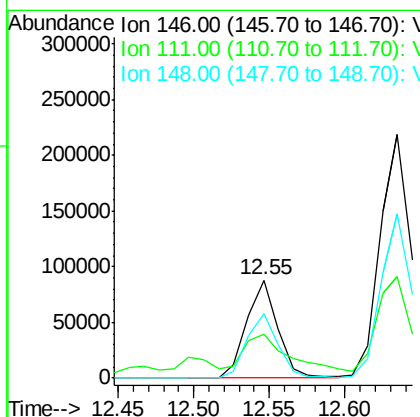
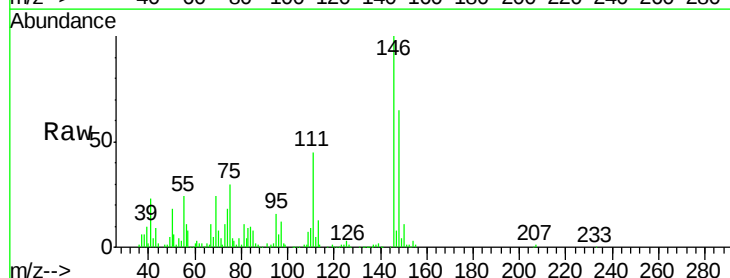
Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB487-21-23-180621

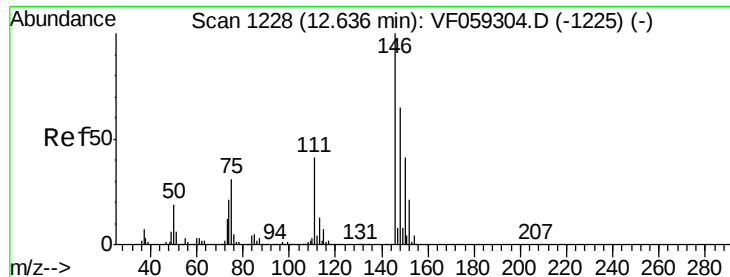
Tot Ion	Ratio	Lower	Upper
119	100		
134	27.8	12.2	36.4
91	45.6	12.9	38.6#



#87
 1,3-Dichlorobenzene
 Concen: 25.191 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF059318.D
 Acq: 26 Jun 2018 15:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.3	21.4	64.2
148	65.1	32.8	98.4

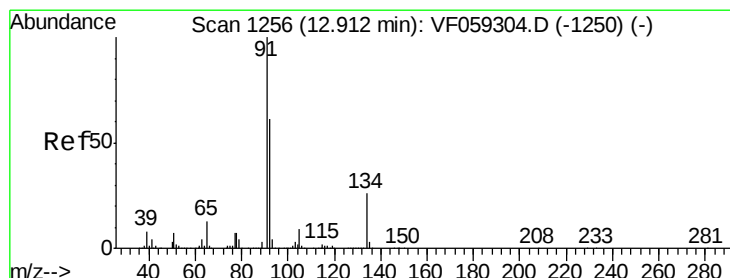
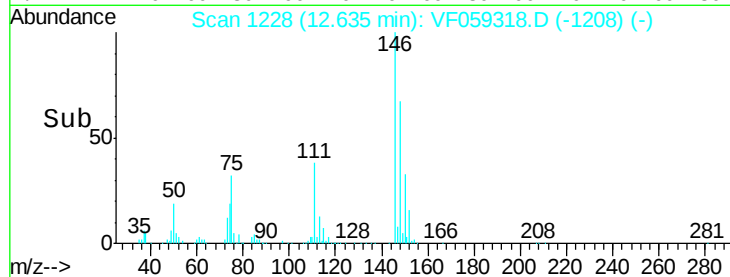
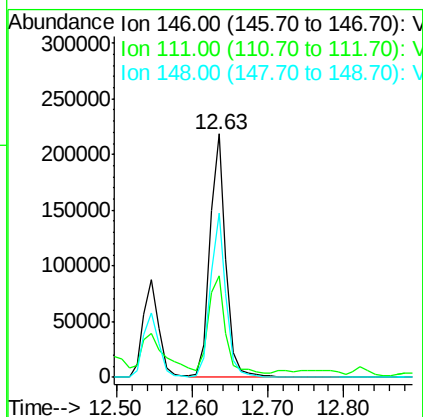
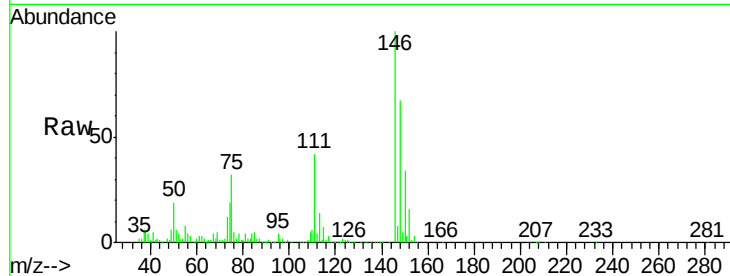




#88
 1,4-Dichlorobenzene
 Concen: 64.544 ug/l
 RT: 12.63 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VF059318.D
 Acq: 26 Jun 2018 15:50

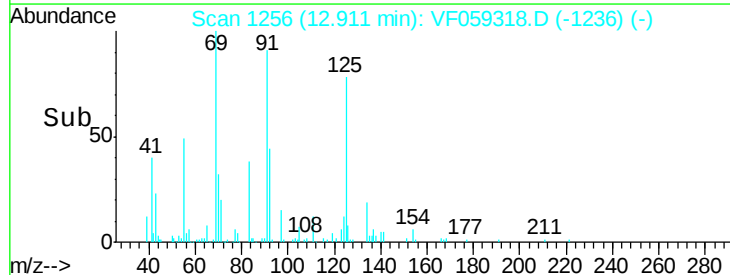
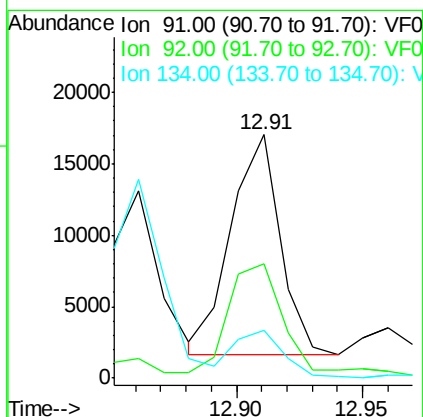
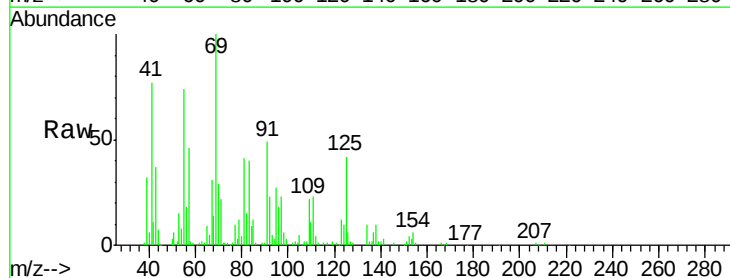
Instrument :
 MSVOA_F
 ClientSampleId :
 WP021SB487-21-23-180621

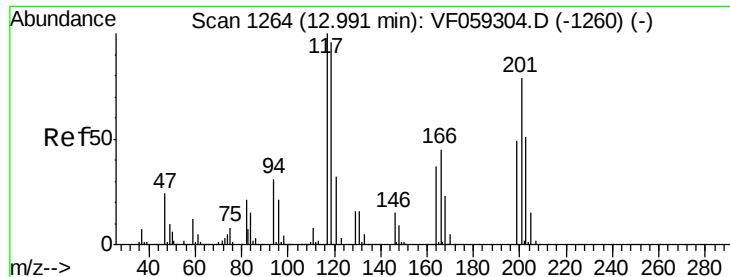
Tot Ion:146 Resp: 322077
 Ion Ratio Lower Upper
 146 100
 111 41.7 20.7 62.1
 148 67.3 32.8 98.3



#89
 n-Butylbenzene
 Concen: 2.088 ug/l
 RT: 12.91 min Scan# 1256
 Delta R.T. -0.00 min
 Lab File: VF059318.D
 Acq: 26 Jun 2018 15:50

Tgt Ion: 91 Resp: 20808
 Ion Ratio Lower Upper
 91 100
 92 46.7 30.3 91.0
 134 19.9 12.9 38.7





#90

Hexachloroethane

Concen: 1.217 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VF059318.D

Acq: 26 Jun 2018 15:50

Instrument :

MSVOA_F

ClientSampleId :

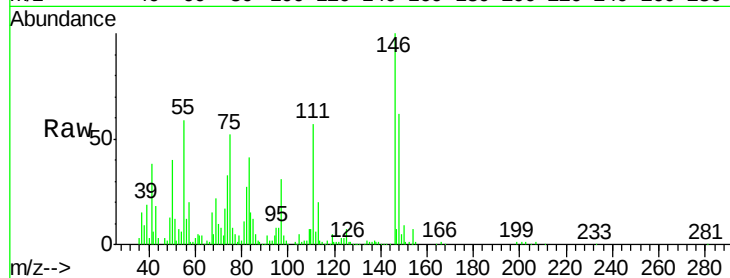
WP021SB487-21-23-180621

Tot Ion:117 Resp: 2976

Ion Ratio Lower Upper

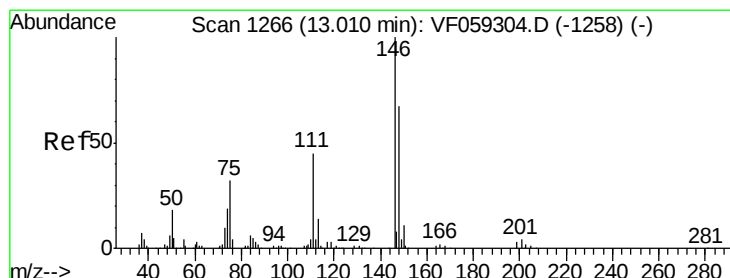
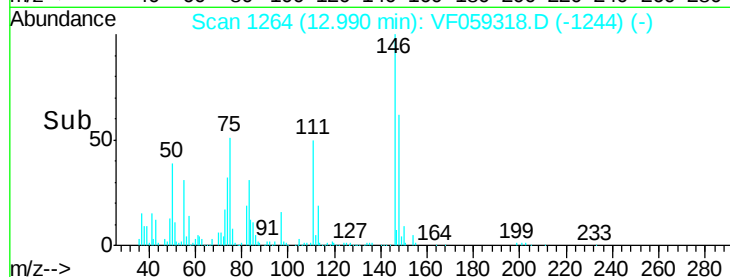
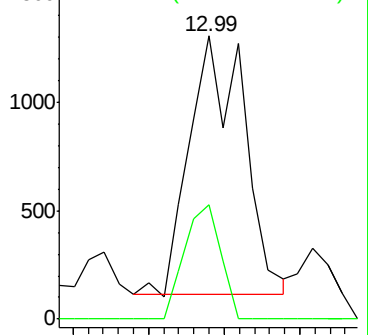
117 100

201 40.4 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: 140.528 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VF059318.D

Acq: 26 Jun 2018 15:50

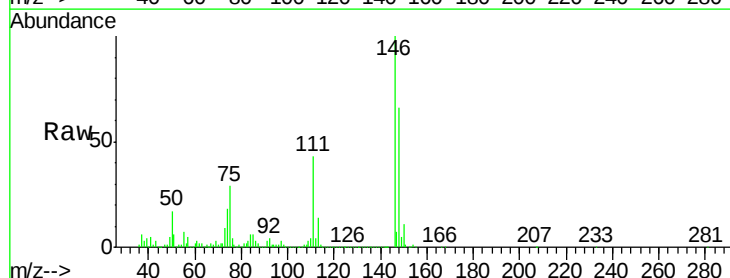
Tgt Ion:146 Resp: 712836

Ion Ratio Lower Upper

146 100

111 43.1 22.7 68.0

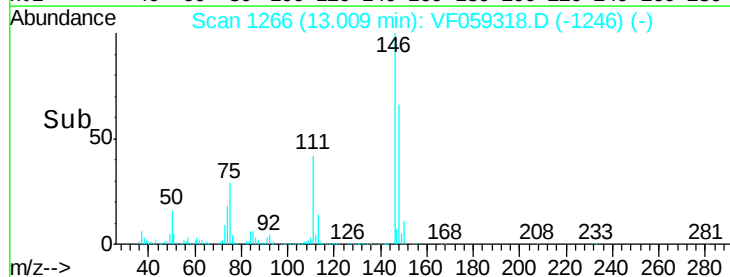
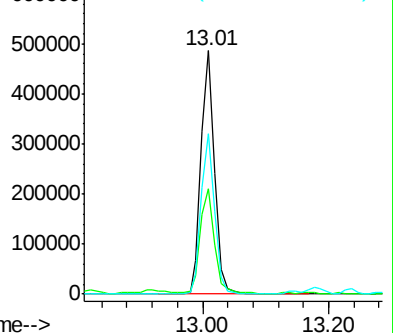
148 65.9 33.5 100.4

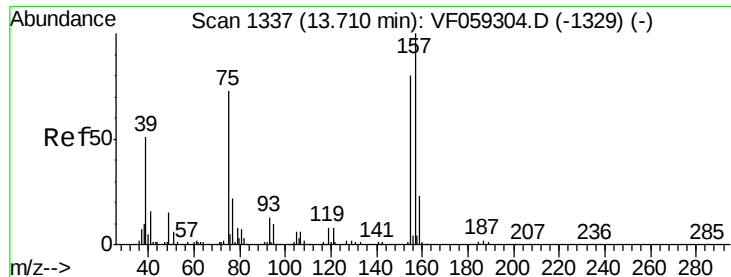


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 5.085 ug/l

RT: 13.70 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VF059318.D

Acq: 26 Jun 2018 15:50

Instrument :

MSVOA_F

ClientSampleId :

WP021SB487-21-23-180621

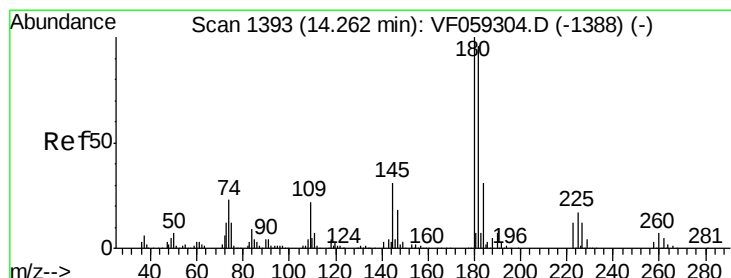
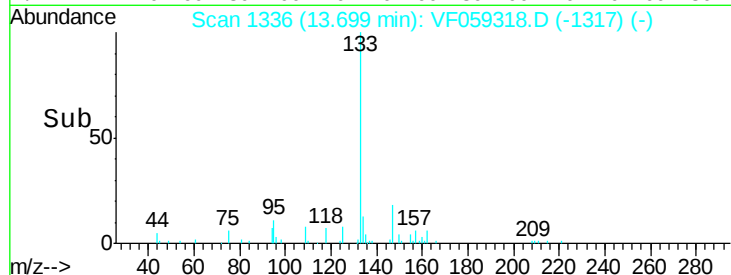
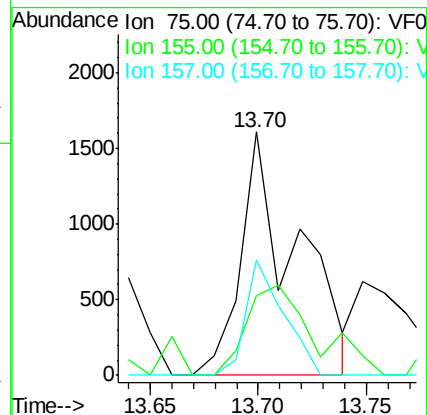
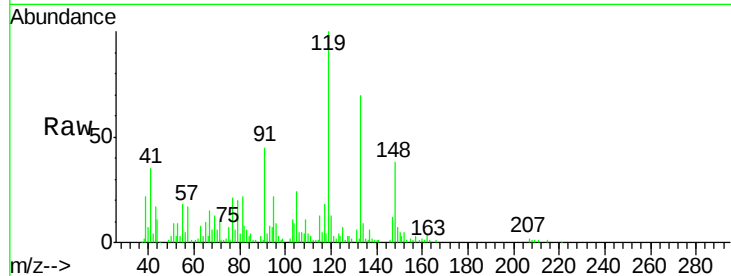
Tot Ion: 75 Resp: 2867

Ion Ratio Lower Upper

75 100

155 32.7 54.6 163.8#

157 47.4 68.7 205.9#



#93

1,2,4-Trichlorobenzene

Concen: 3.646 ug/l

RT: 14.25 min Scan# 1392

Delta R.T. -0.01 min

Lab File: VF059318.D

Acq: 26 Jun 2018 15:50

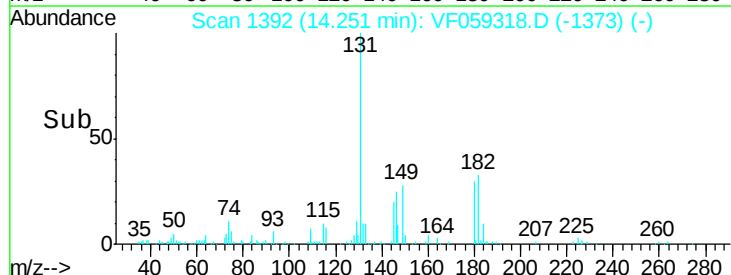
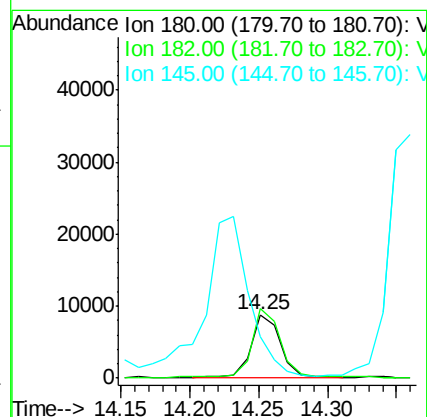
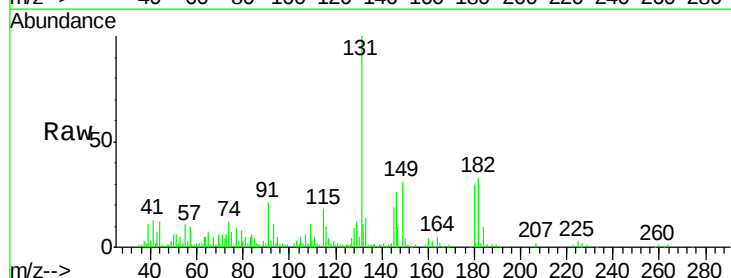
Tgt Ion:180 Resp: 13674

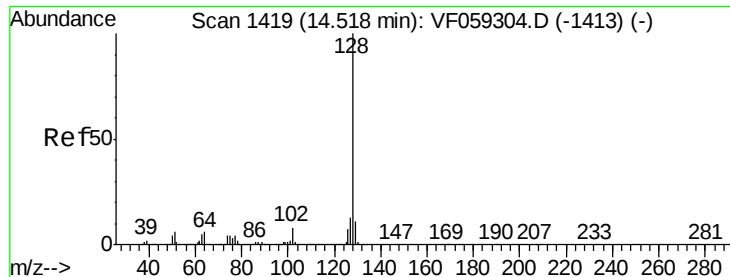
Ion Ratio Lower Upper

180 100

182 110.1 48.1 144.3

145 65.5 15.3 45.8#





#95

Naphthalene

Concen: 3.687 ug/l

RT: 14.51 min Scan# 1418

Delta R.T. -0.01 min

Lab File: VF059318.D

Acq: 26 Jun 2018 15:50

Instrument :

MSVOA_F

ClientSampleId :

WP021SB487-21-23-180621

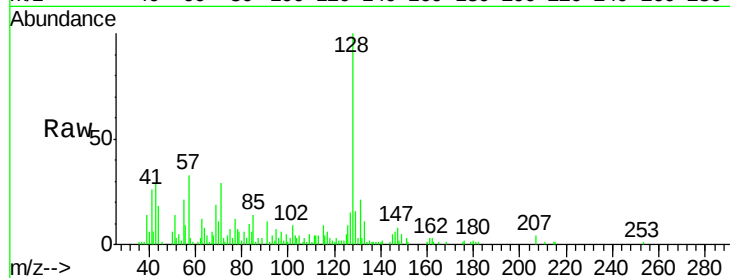
Tot Ion:128 Resp: 28932

Ion Ratio Lower Upper

128 100

127 14.5 10.1 15.1

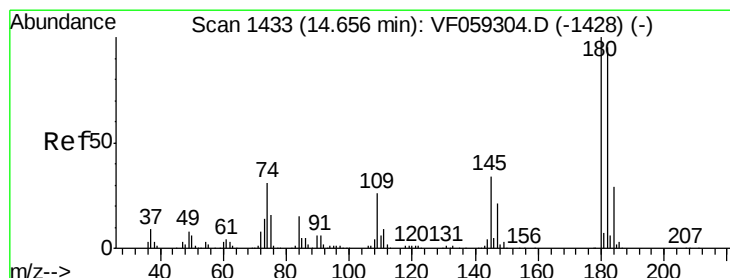
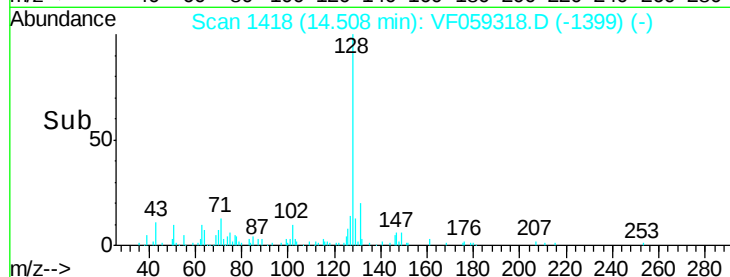
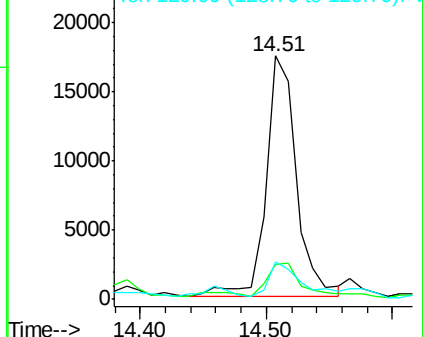
129 15.6 8.8 13.2#



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: 2.184 ug/l

RT: 14.66 min Scan# 1433

Delta R.T. -0.00 min

Lab File: VF059318.D

Acq: 26 Jun 2018 15:50

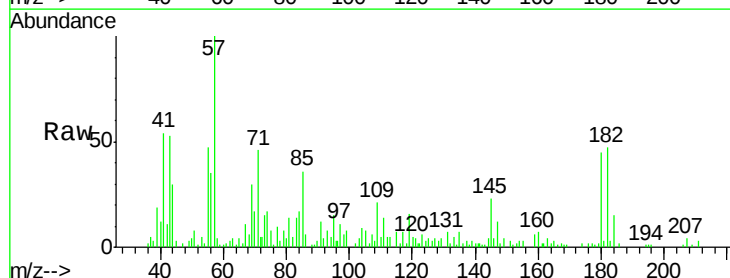
Tgt Ion:180 Resp: 7759

Ion Ratio Lower Upper

180 100

182 106.0 47.5 142.5

145 51.8 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

