

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062718\
 Data File : VF059333.D
 Acq On : 27 Jun 2018 12:34
 Operator : VA/AP
 Sample : VF0627SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 27 16:02:49 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	311226	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	479092	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	483838	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	285909	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.00	65	179730	44.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.40%	
35) Dibromofluoromethane	4.28	113	156598	44.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.46%	
50) Toluene-d8	7.69	98	338324	39.04	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	78.08%	
62) 4-Bromofluorobenzene	11.50	95	219407	44.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	54023	19.00	ug/l	98
3) Chloromethane	1.08	50	38612	20.21	ug/l	100
4) Vinyl Chloride	1.14	62	37876	20.14	ug/l	97
5) Bromomethane	1.34	94	24980	20.87	ug/l	98
6) Chloroethane	1.43	64	17601	18.58	ug/l	90
7) Trichlorofluoromethane	1.49	101	26336	7.08	ug/l	94
8) Diethyl Ether	1.69	74	20587	21.59	ug/l	78
9) 1,1,2-Trichlorotrifluoroet	1.89	101	44029	20.29	ug/l	97
10) Methyl Iodide	1.96	142	46490	11.75	ug/l	97
11) Tert butyl alcohol	2.67	59	25827	96.48	ug/l	99
12) 1,1-Dichloroethene	1.85	96	38524	21.00	ug/l	96
13) Acrolein	2.08	56	18056	132.36	ug/l	95
14) Allyl chloride	2.18	41	72685	21.10	ug/l	94
15) Acrylonitrile	3.06	53	46399	98.43	ug/l	97
16) Acetone	2.32	43	118137	112.01	ug/l	98
17) Carbon Disulfide	1.86	76	86667	20.08	ug/l	95
18) Methyl Acetate	2.44	43	35187	18.66	ug/l	98
19) Methyl tert-butyl Ether	2.53	73	136815	19.99	ug/l	94
20) Methylene Chloride	2.26	84	34720	9.40	ug/l	96
21) trans-1,2-Dichloroethene	2.40	96	43604	22.28	ug/l	97
22) Diisopropyl ether	2.91	45	160736	21.07	ug/l	94
23) Vinyl Acetate	3.32	43	539853	111.14	ug/l	99
24) 1,1-Dichloroethane	2.99	63	97338	20.58	ug/l	98
25) 2-Butanone	4.49	43	136313	110.53	ug/l #	90
26) 2,2-Dichloropropane	3.74	77	68857	21.11	ug/l	98
27) cis-1,2-Dichloroethene	3.61	96	62920	21.17	ug/l	90
28) Bromochloromethane	3.87	49	49563	25.18	ug/l	88
29) Tetrahydrofuran	4.24	42	58515	108.11	ug/l	95
30) Chloroform	4.02	83	134036	19.58	ug/l	100
31) Cyclohexane	3.84	56	64451	20.80	ug/l	95
32) 1,1,1-Trichloroethane	4.26	97	98607	19.68	ug/l	94
36) 1,1-Dichloropropene	4.44	75	90148	21.54	ug/l	97
37) Ethyl Acetate	4.27	43	58863	21.13	ug/l #	83
38) Carbon Tetrachloride	4.16	117	113690	21.53	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	80670	21.75	ug/l	96
40) Benzene	4.80	78	199205	21.47	ug/l	98
41) Methacrylonitrile	4.91	41	27785	19.46	ug/l	98
42) 1,2-Dichloroethane	5.10	62	108034	19.92	ug/l	99
43) Isopropyl Acetate	7.10	43	69987	20.08	ug/l #	97
44) Trichloroethene	5.66	130	65627	20.62	ug/l	97
45) 1,2-Dichloropropane	6.38	63	55825	21.06	ug/l	90
46) Dibromomethane	6.24	93	44922	19.52	ug/l	97
47) Bromodichloromethane	6.53	83	110218	19.79	ug/l	97
48) Methyl methacrylate	6.86	41	45582	19.51	ug/l #	87
49) 1,4-Dioxane	6.85	88	6253	479.44	ug/l #	77
51) 4-Methyl-2-Pentanone	8.40	43	268778	104.07	ug/l	98
52) Toluene	7.76	92	143173	20.62	ug/l	98
53) t-1,3-Dichloropropene	8.42	75	100366	19.77	ug/l	95
54) cis-1,3-Dichloropropene	7.44	75	108480	19.67	ug/l	97
55) 1,1,2-Trichloroethane	8.62	97	54192	20.10	ug/l	97
56) Ethyl methacrylate	8.75	69	64301	19.25	ug/l	97
57) 1,3-Dichloropropane	8.99	76	96513	20.87	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.76	63	24656	98.44	ug/l	100
59) 2-Hexanone	9.62	43	224690	106.08	ug/l	95
60) Dibromochloromethane	8.85	129	79305	19.05	ug/l	95
61) 1,2-Dibromoethane	9.12	107	62056	18.98	ug/l	99
64) Tetrachloroethene	8.29	164	64656	20.60	ug/l	97
65) Chlorobenzene	9.92	112	182281	20.33	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.06	131	72991	18.82	ug/l	98
67) Ethyl Benzene	10.02	91	298483	19.62	ug/l	98
68) m/p-Xylenes	10.26	106	223089	41.21	ug/l	100
69) o-Xylene	10.82	106	122887	20.29	ug/l	87
70) Styrene	10.89	104	182029	19.73	ug/l	97
71) Bromoform	10.88	173	51335	19.31	ug/l	96
73) Isopropylbenzene	11.21	105	361751	21.72	ug/l	97
74) N-amyl acetate	11.45	43	124794	20.65	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.78	83	87510	20.80	ug/l	95
76) 1,2,3-Trichloropropane	11.87	75	63082	19.88	ug/l	93
77) Bromobenzene	11.59	156	94202	20.38	ug/l	84
78) n-propylbenzene	11.68	91	388597	19.43	ug/l	96
79) 2-Chlorotoluene	11.81	91	249835	20.44	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	297414	20.38	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.94	75	37796	20.01	ug/l #	67
82) 4-Chlorotoluene	11.98	91	282600	21.59	ug/l	74
83) tert-Butylbenzene	12.21	119	319338	21.88	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	317327	20.65	ug/l	99
85) sec-Butylbenzene	12.38	105	414193	21.41	ug/l	99
86) p-Isopropyltoluene	12.53	119	342830	21.12	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	175369	20.25	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	171686	20.80	ug/l	96
89) n-Butylbenzene	12.91	91	363479	22.06	ug/l	95
90) Hexachloroethane	12.99	117	82829	20.47	ug/l	99
91) 1,2-Dichlorobenzene	13.01	146	173770	20.71	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.71	75	15287	16.39	ug/l	94

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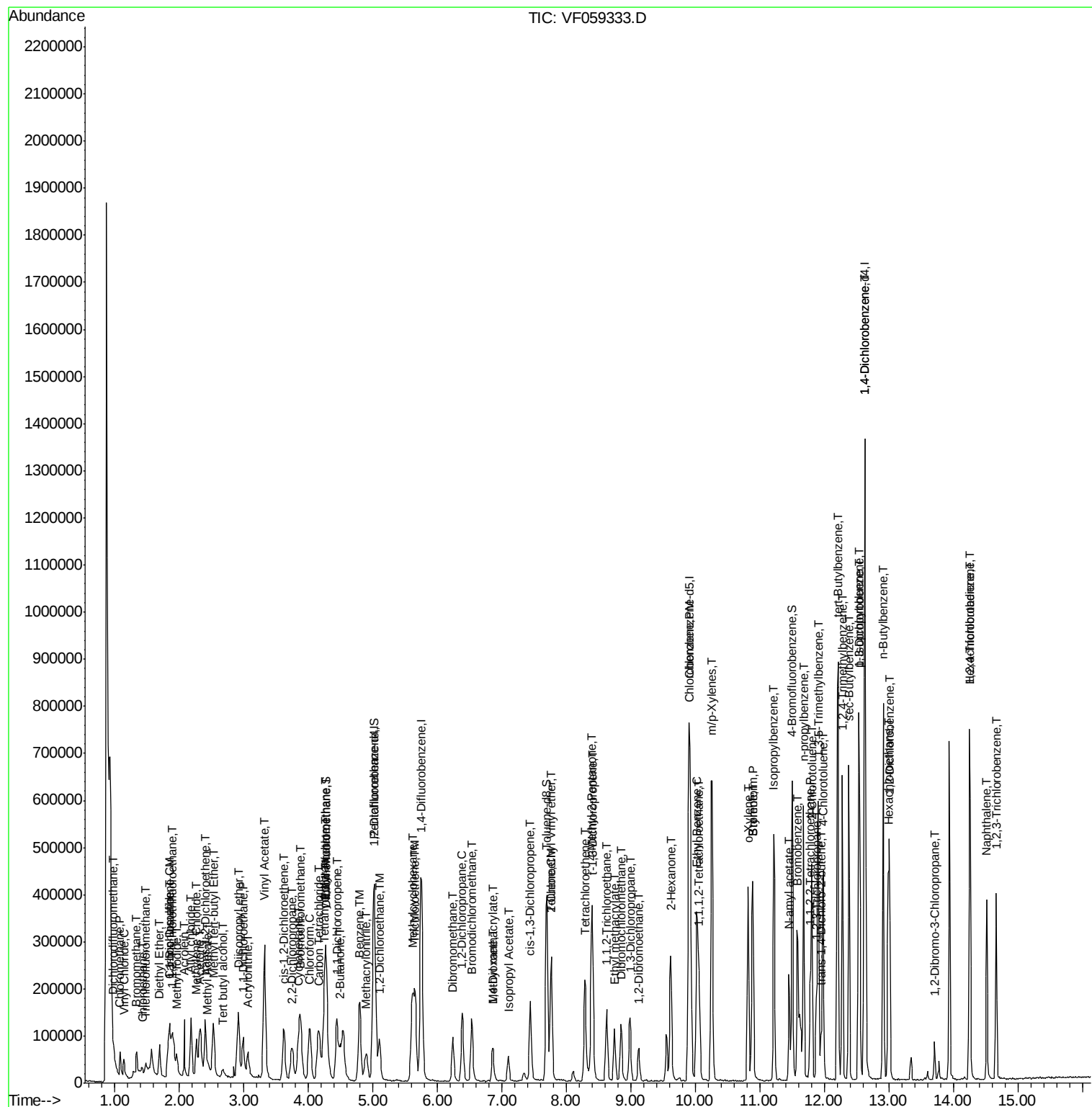
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	128827	20.77	ug/l	98
94) Hexachlorobutadiene	14.25	225	71801	20.72	ug/l	95
95) Naphthalene	14.52	128	253065	19.50	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	114995	19.57	ug/l	98

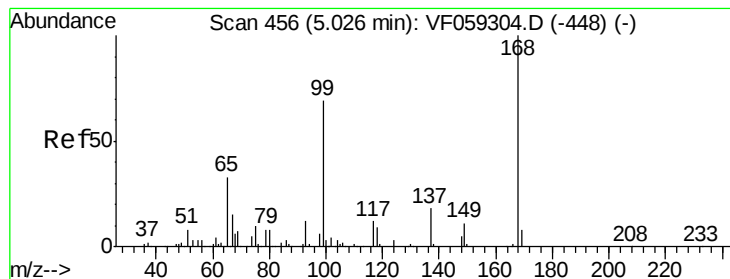
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.02 min Scan# 456

Delta R.T. -0.00 min

Lab File: VF059333.D

Acq: 27 Jun 2018 12:34

Instrument :

MSVOA_F

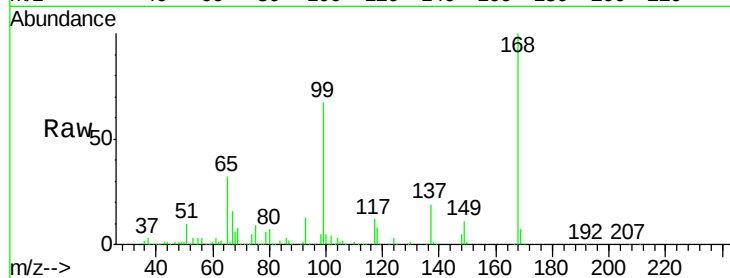
ClientSampled :

Tot Ion:168 Resp: 311226

Ion Ratio Lower Upper

168 100

99 67.4 54.9 82.3



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

120000

100000

80000

60000

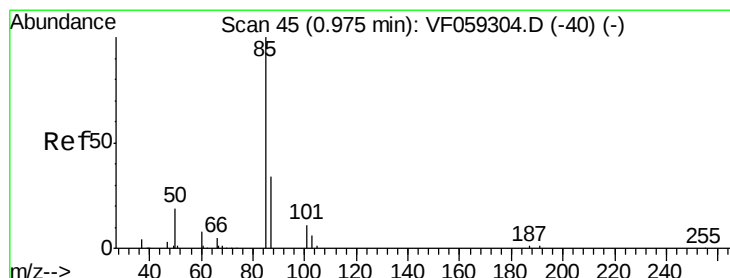
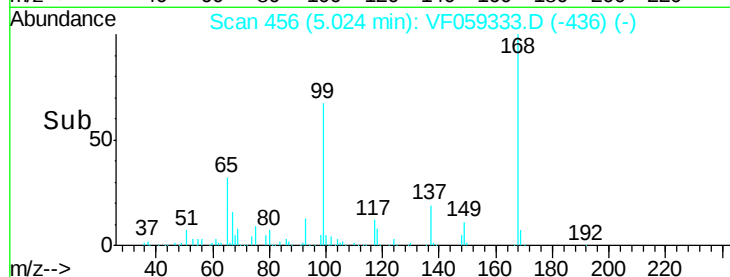
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 19.00 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.01 min

Lab File: VF059333.D

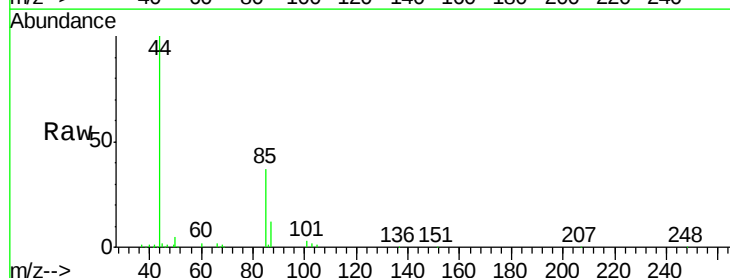
Acq: 27 Jun 2018 12:34

Tgt Ion: 85 Resp: 54023

Ion Ratio Lower Upper

85 100

87 33.1 17.1 51.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

20000

15000

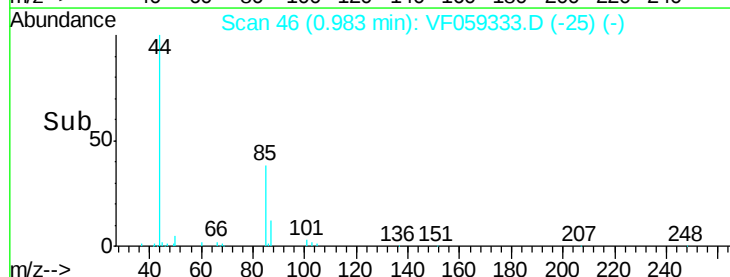
10000

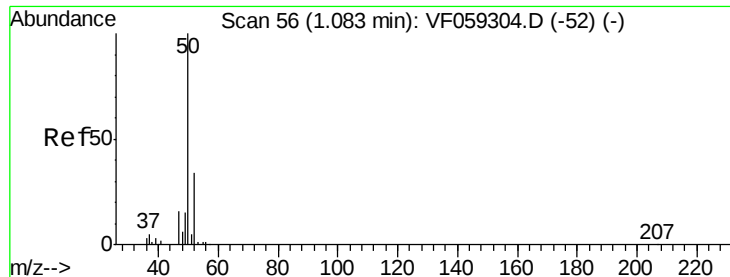
5000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 20.21 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059333.D

Acq: 27 Jun 2018 12:34

Instrument :

MSVOA_F

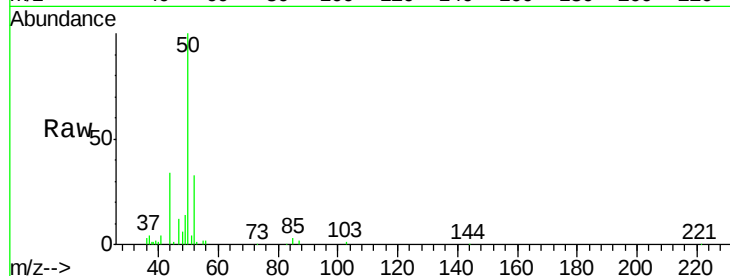
ClientSampleId :

Tot Ion: 50 Resp: 38612

Ion Ratio Lower Upper

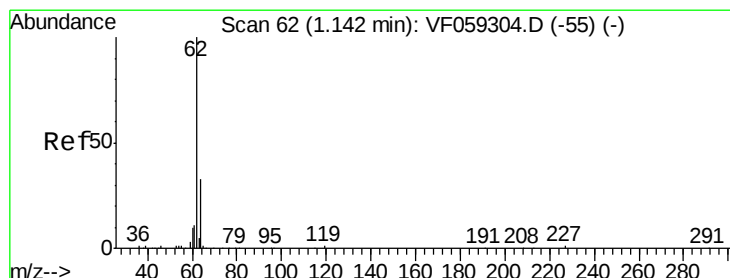
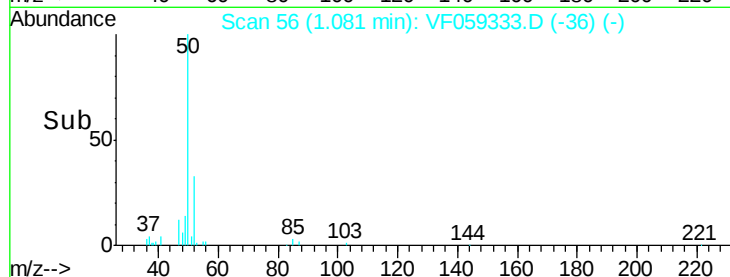
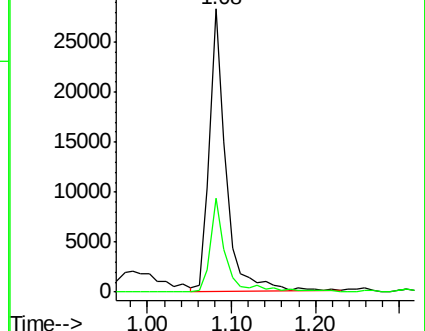
50 100

52 33.4 26.7 40.1



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 20.14 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF059333.D

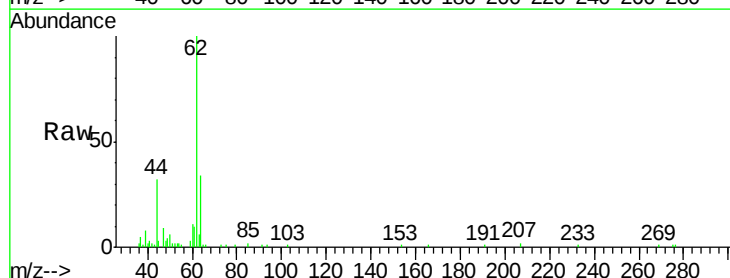
Acq: 27 Jun 2018 12:34

Tgt Ion: 62 Resp: 37876

Ion Ratio Lower Upper

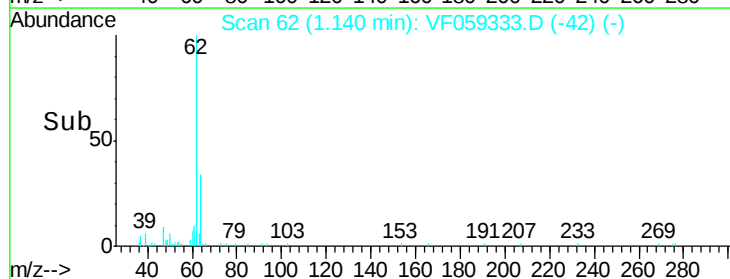
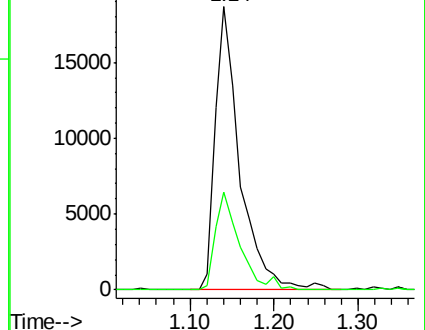
62 100

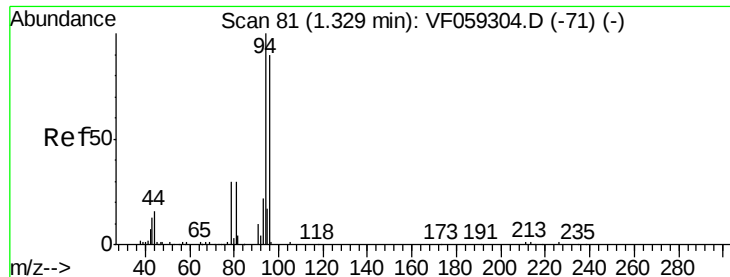
64 34.4 26.3 39.5



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 20.87 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.01 min

Lab File: VF059333.D

Acq: 27 Jun 2018 12:34

Instrument :

MSVOA_F

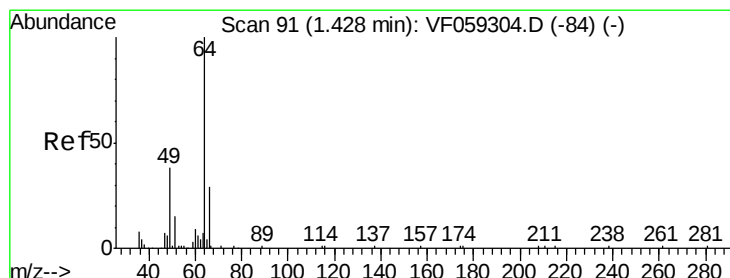
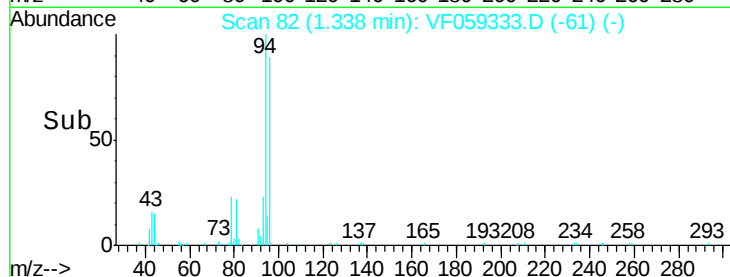
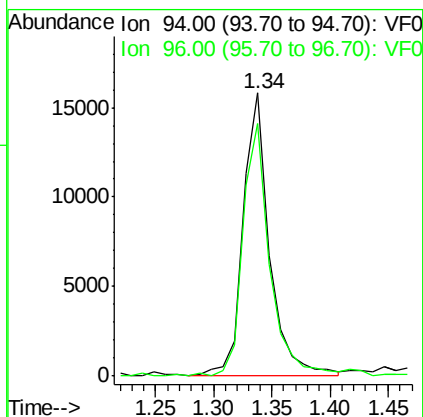
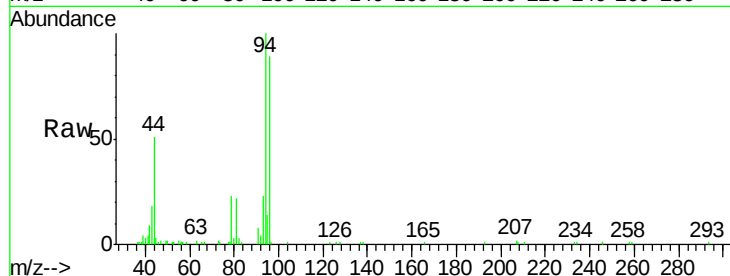
ClientSampleId :

Tot Ion: 94 Resp: 24980

Ion Ratio Lower Upper

94 100

96 89.5 73.4 110.0



#6

Chloroethane

Concen: 18.58 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.00 min

Lab File: VF059333.D

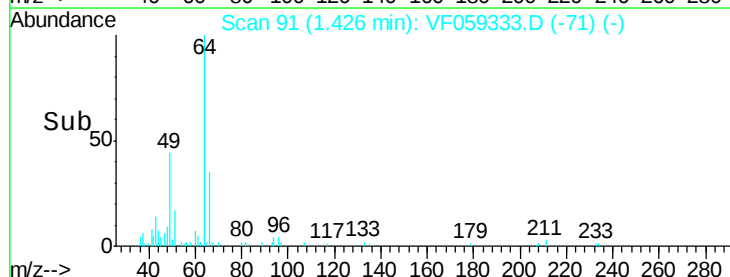
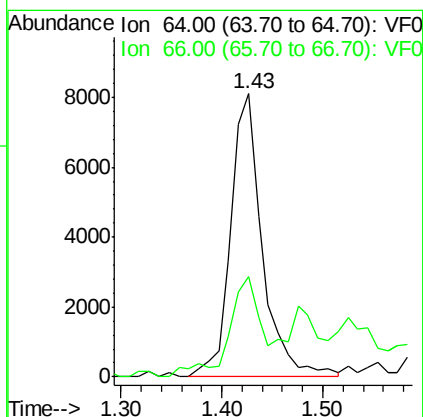
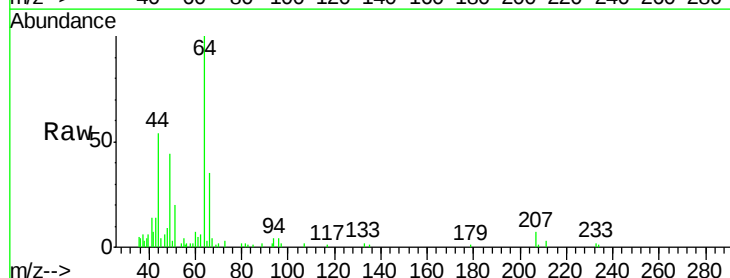
Acq: 27 Jun 2018 12:34

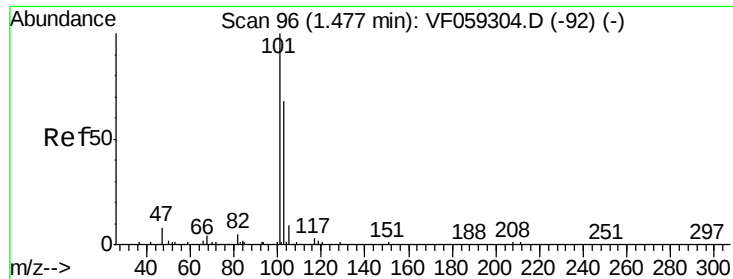
Tgt Ion: 64 Resp: 17601

Ion Ratio Lower Upper

64 100

66 35.2 23.9 35.9





#7

Trichlorofluoromethane

Concen: 7.08 ug/l

RT: 1.49 min Scan# 97

Delta R.T. 0.01 min

Lab File: VF059333.D

Acq: 27 Jun 2018 12:34

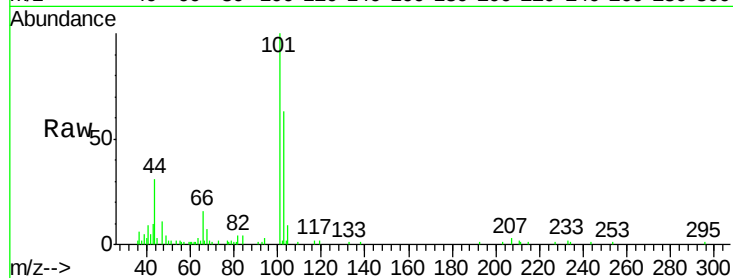
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:101 Resp: 26336

Ion Ratio Lower Upper

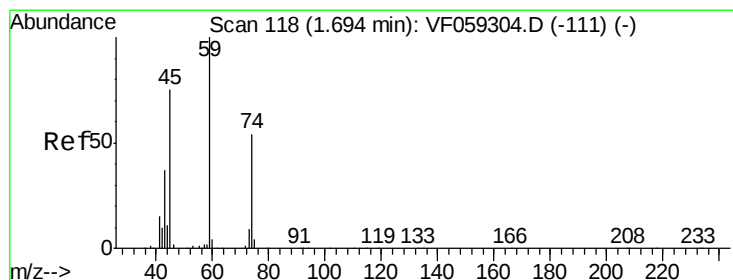
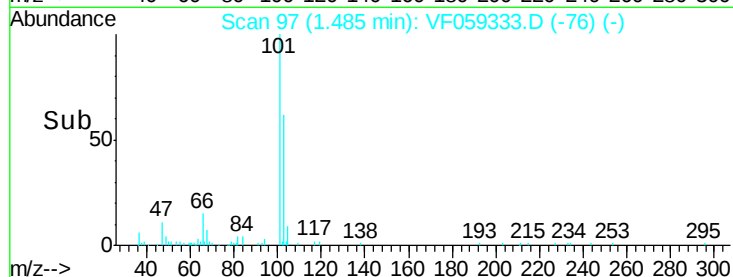
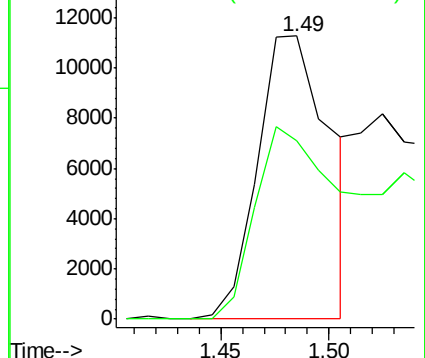
101 100

103 63.0 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: 21.59 ug/l

RT: 1.69 min Scan# 118

Delta R.T. -0.00 min

Lab File: VF059333.D

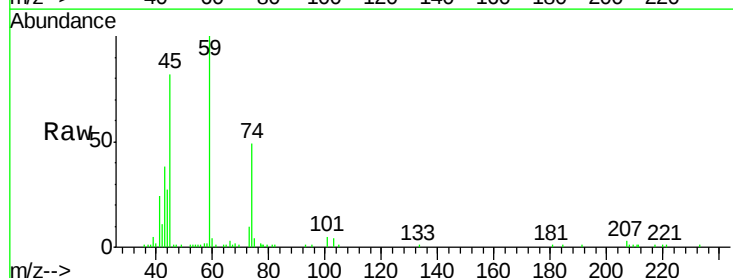
Acq: 27 Jun 2018 12:34

Tgt Ion: 74 Resp: 20587

Ion Ratio Lower Upper

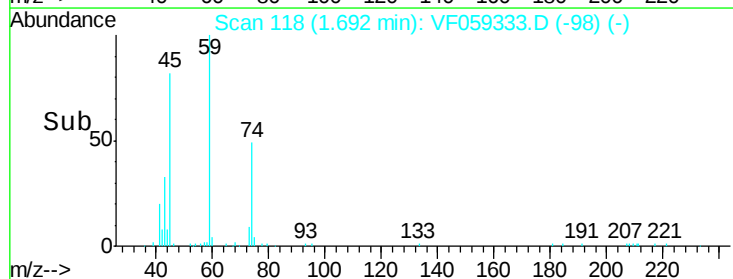
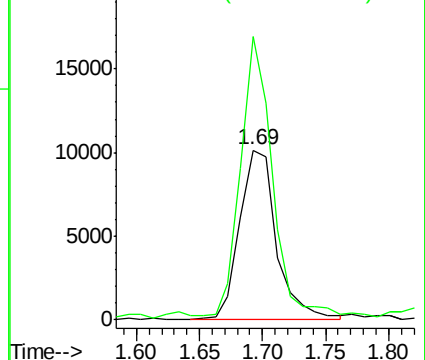
74 100

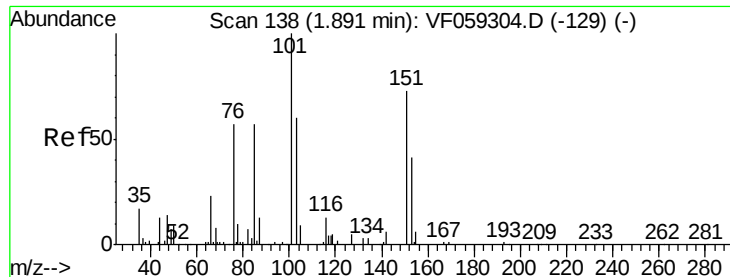
45 167.0 70.0 210.0



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: 20.29 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.00 min

Lab File: VF059333.D

Acq: 27 Jun 2018 12:34

Instrument :

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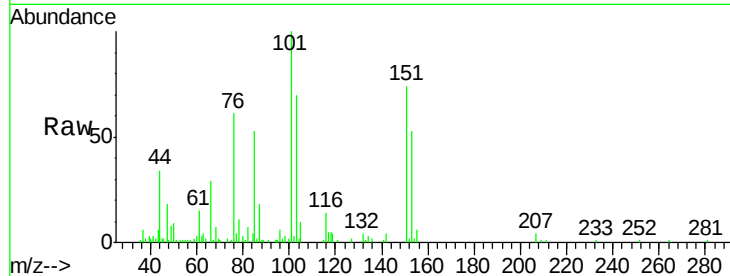
Tot Ion:101 Resp: 44029

Ion Ratio Lower Upper

101 100

85 53.3 44.5 66.7

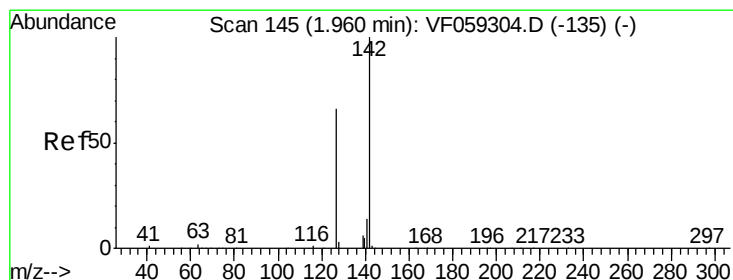
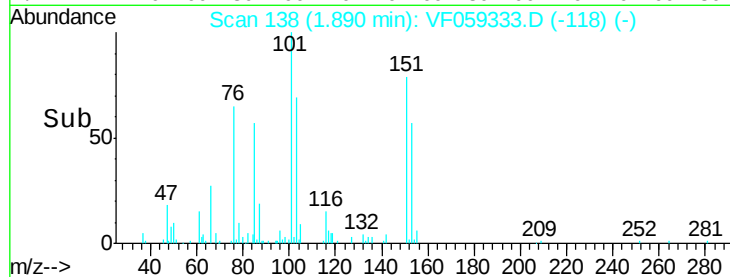
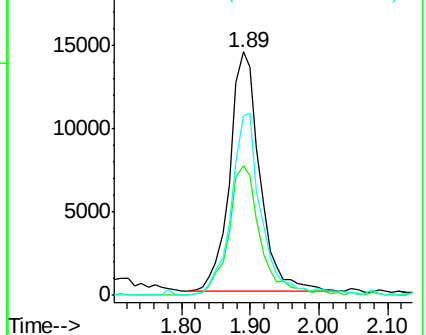
151 73.5 56.8 85.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 11.75 ug/l

RT: 1.96 min Scan# 145

Delta R.T. -0.00 min

Lab File: VF059333.D

Acq: 27 Jun 2018 12:34

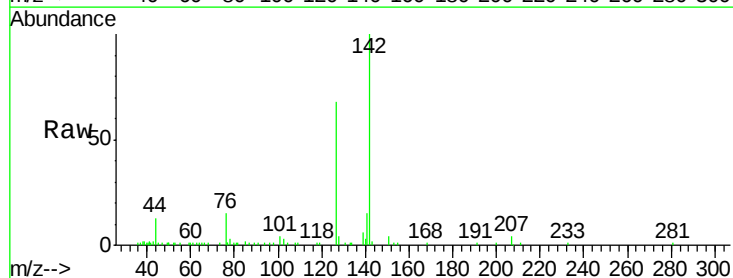
Tgt Ion:142 Resp: 46490

Ion Ratio Lower Upper

142 100

127 68.1 52.5 78.7

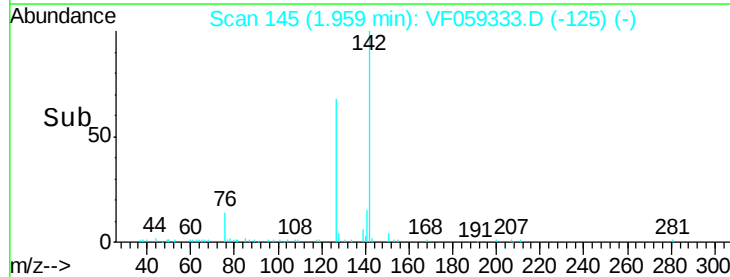
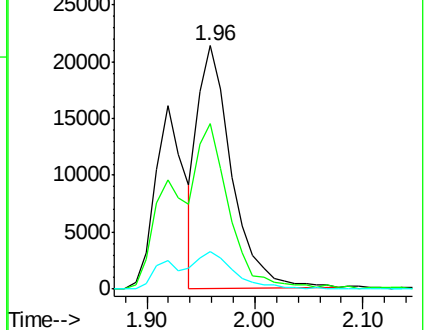
141 15.2 11.5 17.3

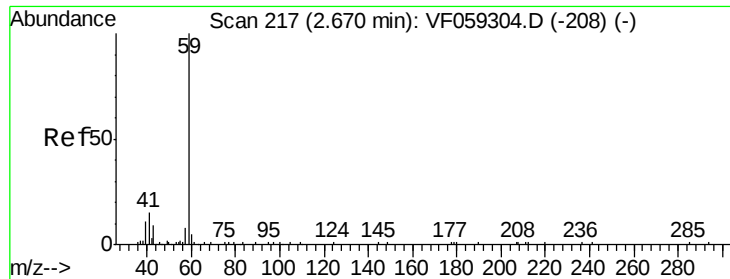


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



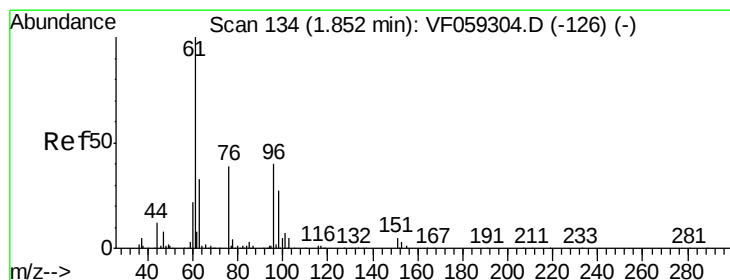
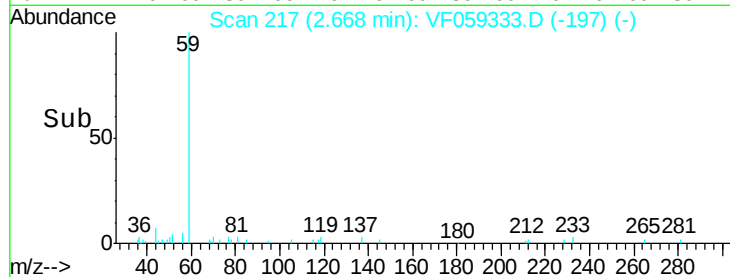
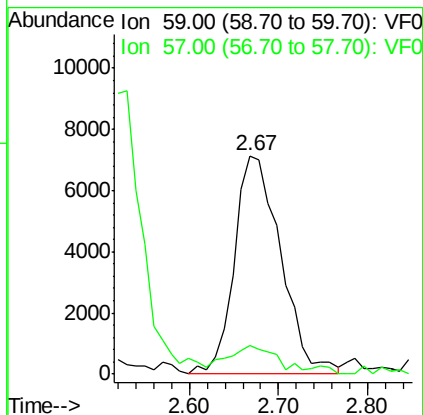
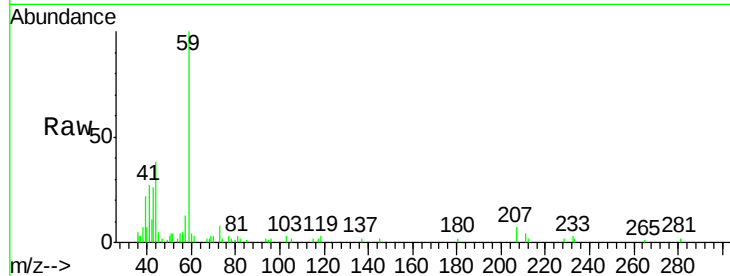


#11

Tert butyl alcohol
Concen: 96.48 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.00 min
Lab File: VF059333.D
Acq: 27 Jun 2018 12:34

Instrument :
MSVOA_F
ClientSampled :

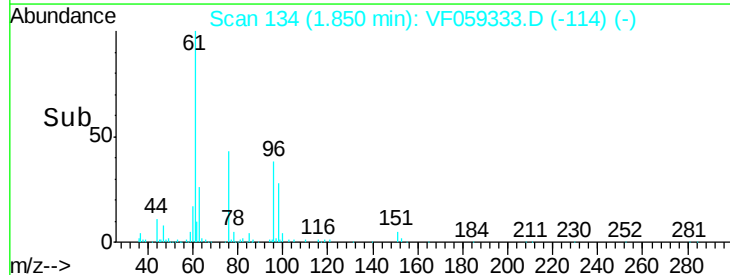
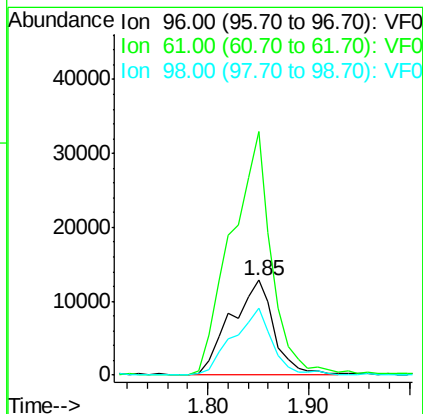
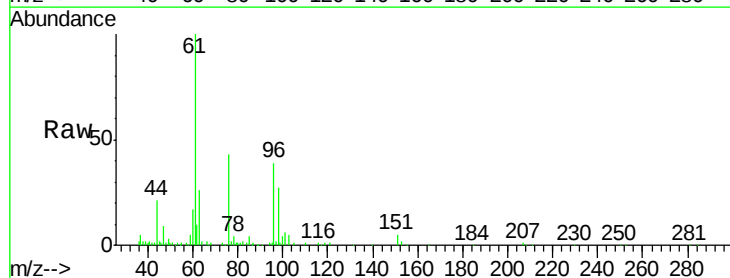
Tot Ion: 59 Resp: 25827
Ion Ratio Lower Upper
59 100
57 13.2 11.0 16.4

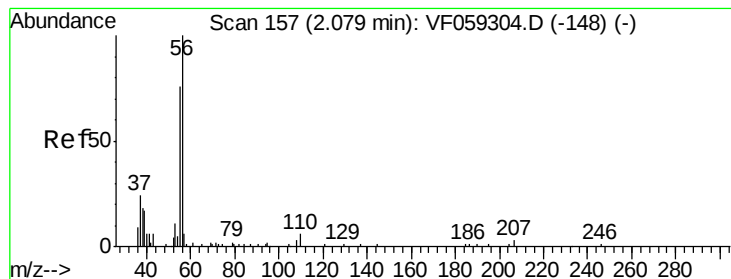


#12

1,1-Dichloroethene
Concen: 21.00 ug/l
RT: 1.85 min Scan# 134
Delta R.T. -0.00 min
Lab File: VF059333.D
Acq: 27 Jun 2018 12:34

Tgt Ion: 96 Resp: 38524
Ion Ratio Lower Upper
96 100
61 256.9 201.1 301.7
98 72.6 53.9 80.9





#13

Acrolein

Concen: 132.36 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.00 min

Lab File: VF059333.D

Acq: 27 Jun 2018 12:34

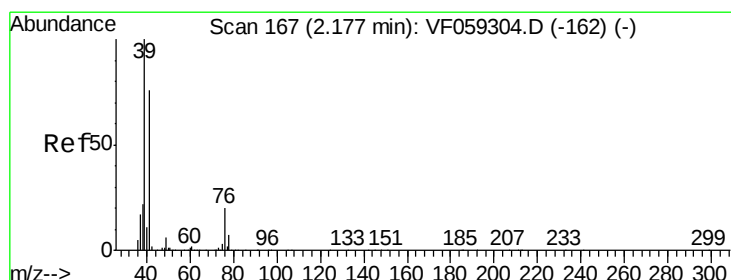
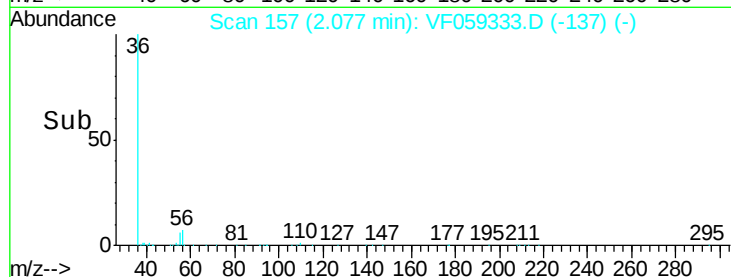
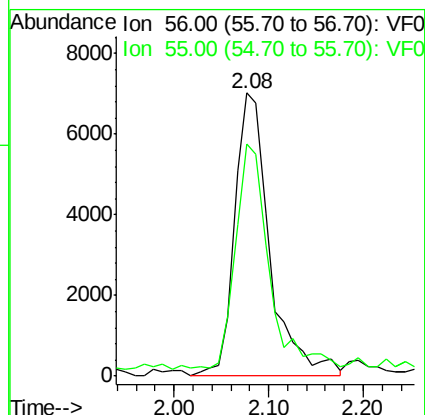
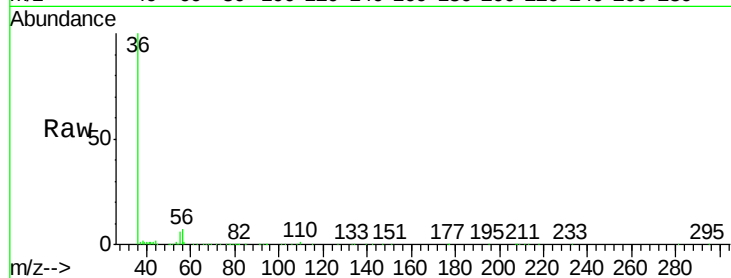
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 56 Resp: 18056

Ion Ratio Lower Upper

56 100

55 82.1 62.4 93.6



#14

Allyl chloride

Concen: 21.10 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.00 min

Lab File: VF059333.D

Acq: 27 Jun 2018 12:34

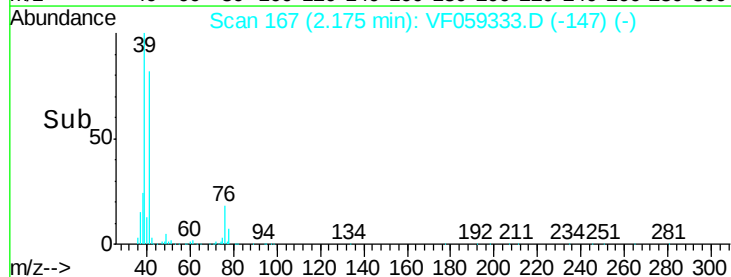
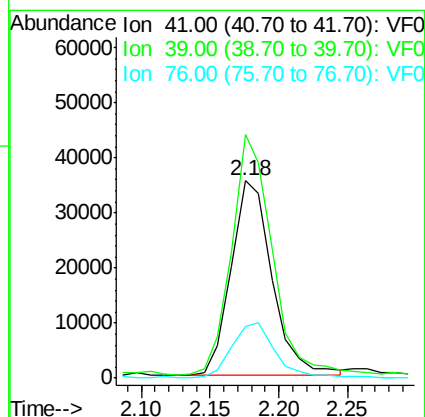
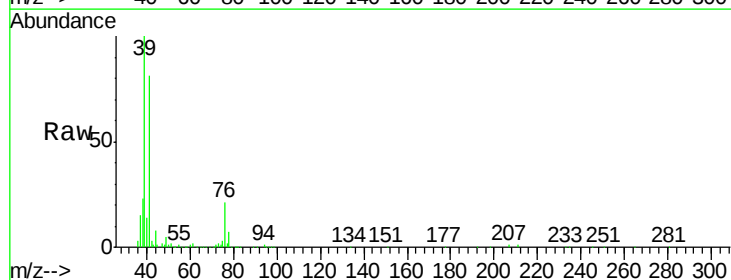
Tgt Ion: 41 Resp: 72685

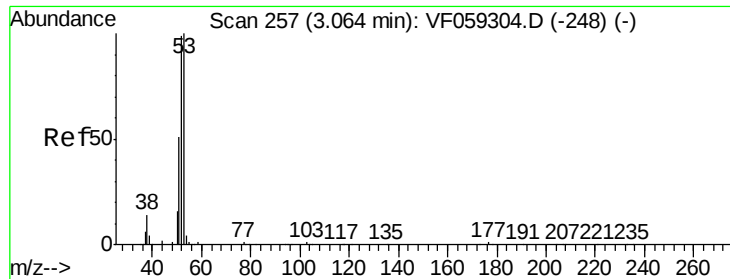
Ion Ratio Lower Upper

41 100

39 123.6 105.6 158.4

76 26.4 21.6 32.4





#15

Acrylonitrile

Concen: 98.43 ug/l

RT: 3.06 min Scan# 257

Delta R.T. -0.00 min

Lab File: VF059333.D

Acq: 27 Jun 2018 12:34

Instrument :

MSVOA_F

ClientSampleId :

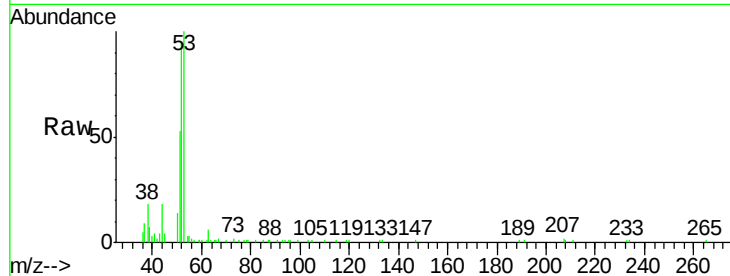
Tot Ion: 53 Resp: 46399

Ion Ratio Lower Upper

53 100

52 95.3 79.2 118.8

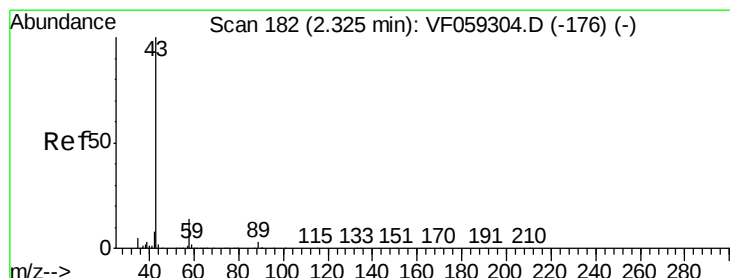
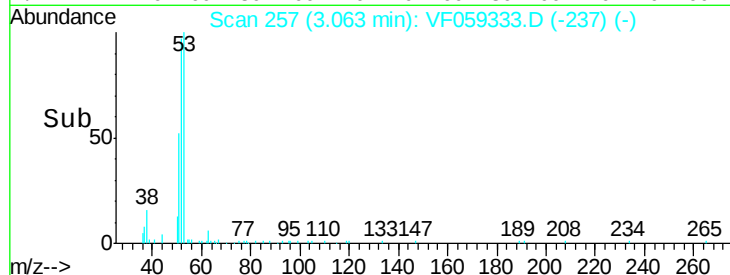
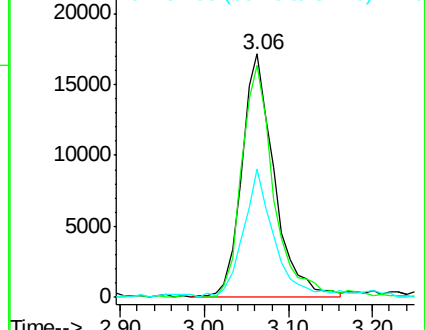
51 52.7 40.9 61.3



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 112.01 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.00 min

Lab File: VF059333.D

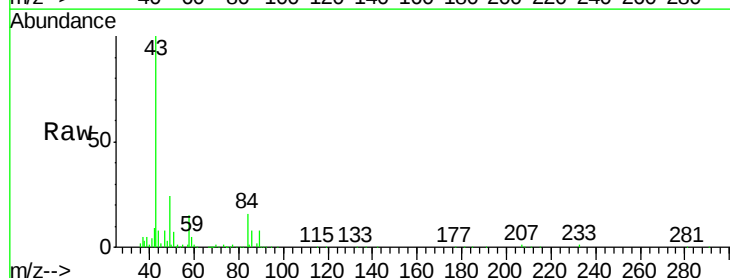
Acq: 27 Jun 2018 12:34

Tgt Ion: 43 Resp: 118137

Ion Ratio Lower Upper

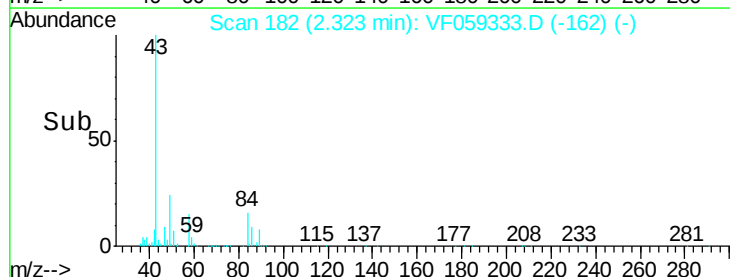
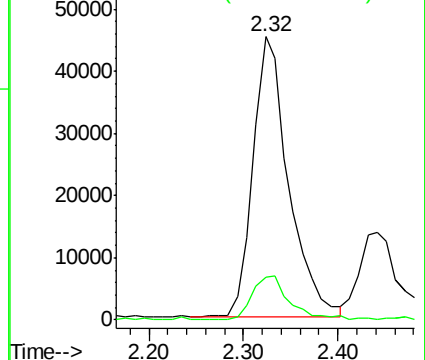
43 100

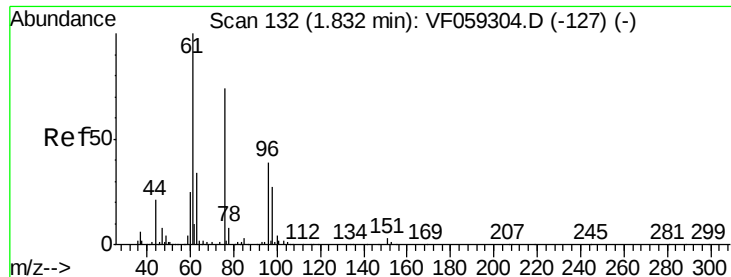
58 15.2 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

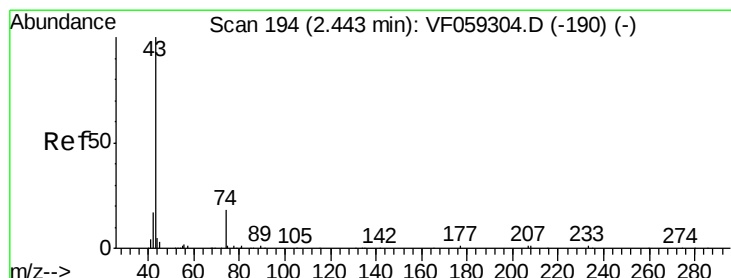
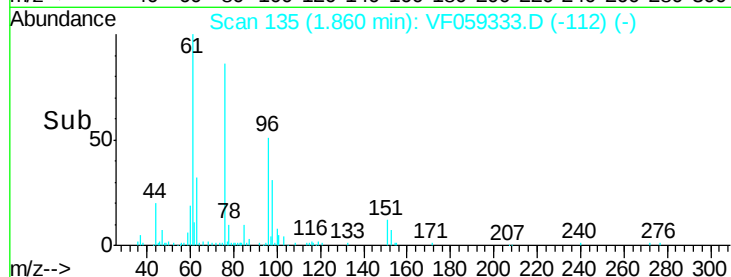
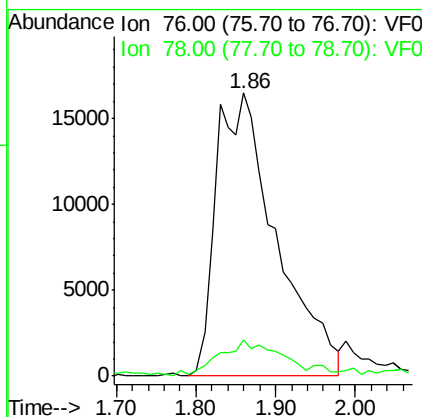
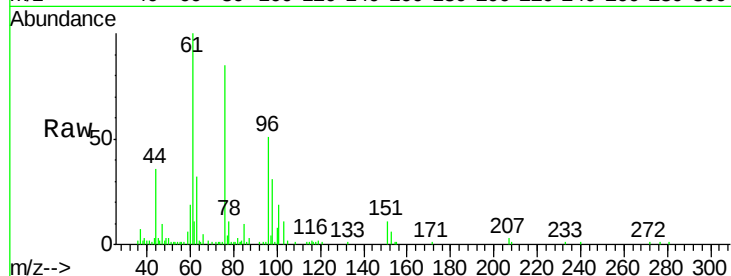




#17
Carbon Disulfide
Concen: 20.08 ug/l
RT: 1.86 min Scan# 135
Delta R.T. 0.03 min
Lab File: VF059333.D
Acq: 27 Jun 2018 12:34

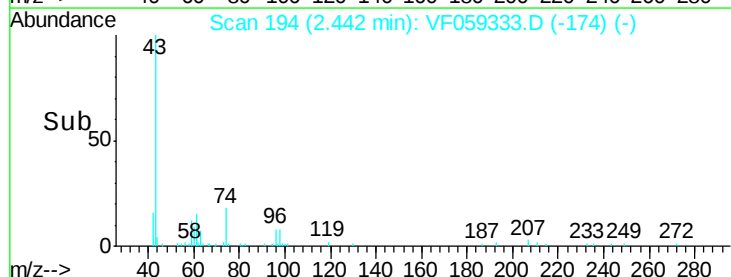
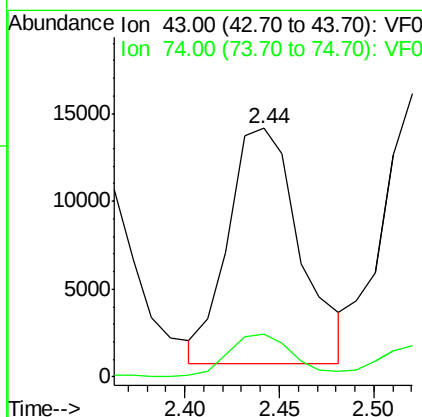
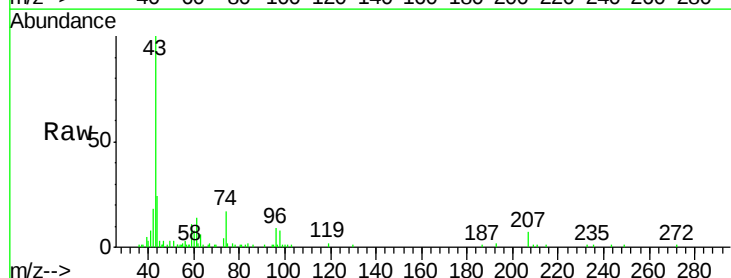
Instrument :
MSVOA_F
ClientSampleId :

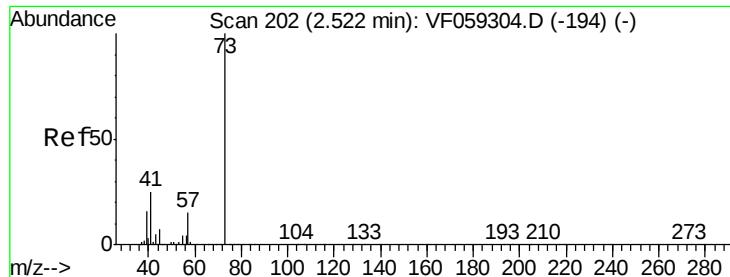
Tot Ion: 76 Resp: 86667
Ion Ratio Lower Upper
76 100
78 13.0 8.9 13.3



#18
Methyl Acetate
Concen: 18.66 ug/l
RT: 2.44 min Scan# 194
Delta R.T. -0.00 min
Lab File: VF059333.D
Acq: 27 Jun 2018 12:34

Tgt Ion: 43 Resp: 35187
Ion Ratio Lower Upper
43 100
74 17.3 13.3 19.9



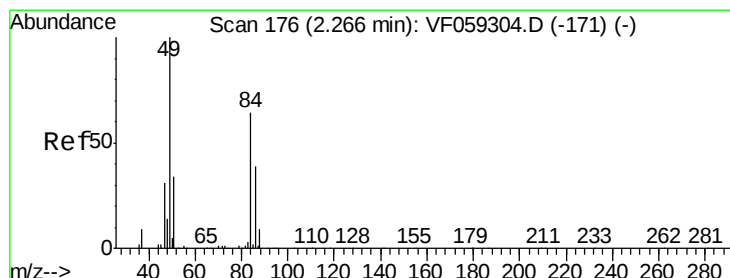
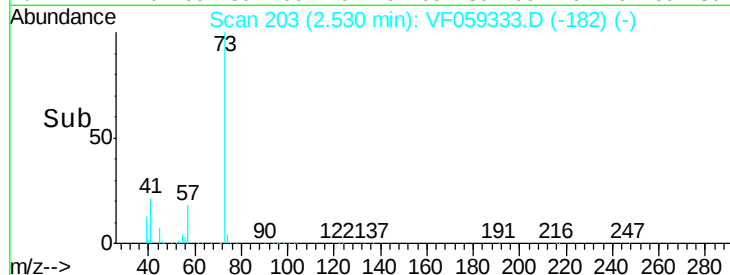
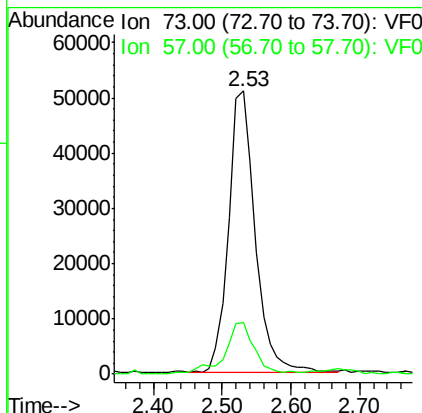
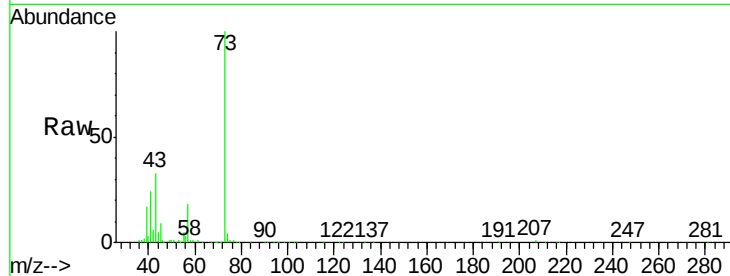


#19

Methyl tert-butyl Ether
 Concen: 19.99 ug/l
 RT: 2.53 min Scan# 203
 Delta R.T. 0.01 min
 Lab File: VF059333.D
 Acq: 27 Jun 2018 12:34

Instrument :
 MSVOA_F
 ClientSampled :

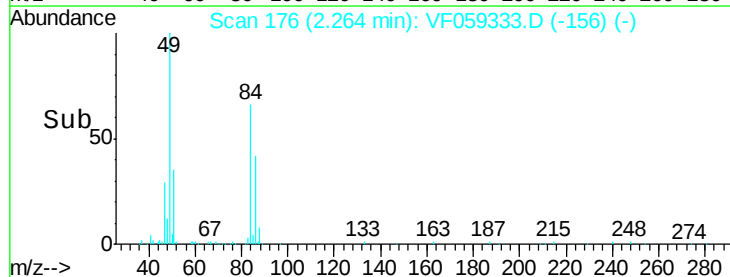
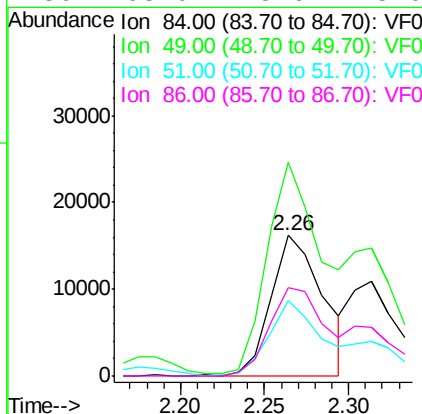
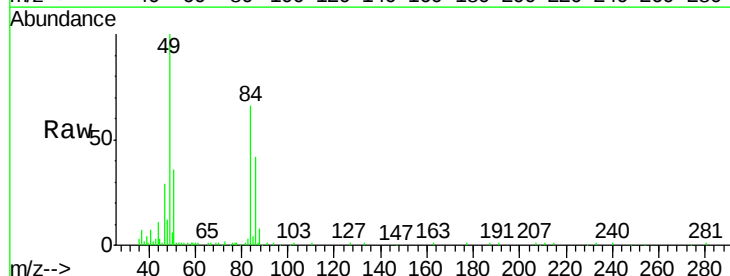
Tot Ion: 73 Resp: 136815
 Ion Ratio Lower Upper
 73 100
 57 18.1 12.3 18.5

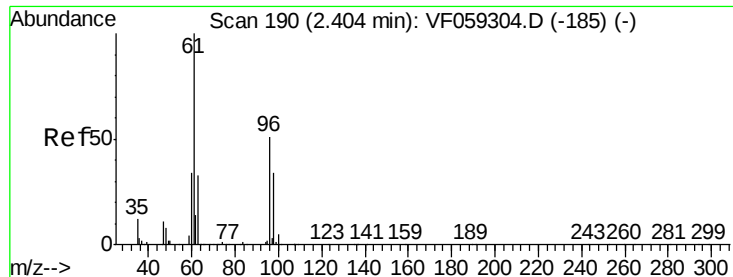


#20

Methylene Chloride
 Concen: 9.40 ug/l
 RT: 2.26 min Scan# 176
 Delta R.T. -0.00 min
 Lab File: VF059333.D
 Acq: 27 Jun 2018 12:34

Tgt Ion: 84 Resp: 34720
 Ion Ratio Lower Upper
 84 100
 49 151.7 126.5 189.7
 51 53.9 42.9 64.3
 86 63.0 48.6 73.0





#21

trans-1,2-Dichloroethene

Concen: 22.28 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.00 min

Lab File: VF059333.D

Acq: 27 Jun 2018 12:34

Instrument :

MSVOA_F

ClientSampleId :

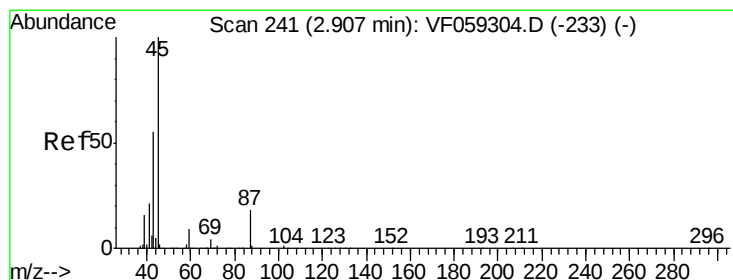
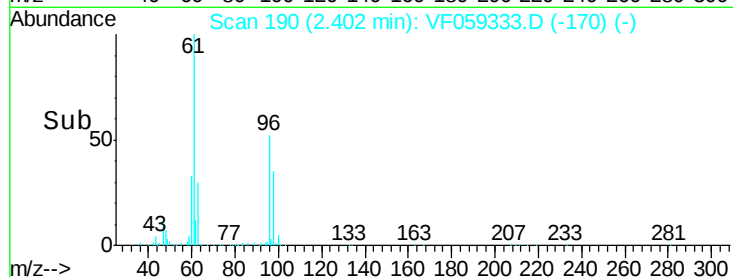
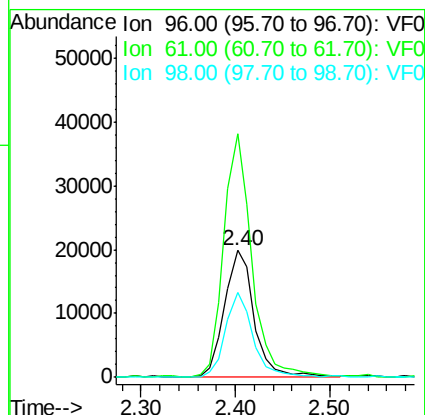
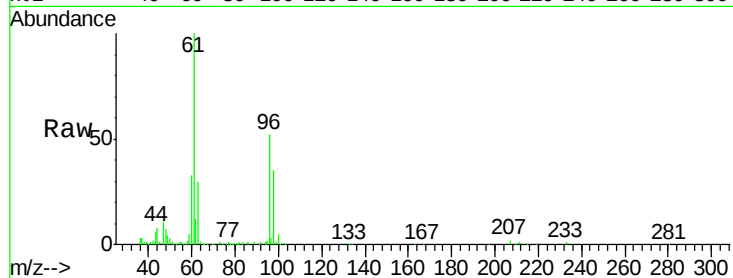
Tot Ion: 96 Resp: 43604

Ion Ratio Lower Upper

96 100

61 191.6 157.4 236.2

98 66.7 53.7 80.5



#22

Diisopropyl ether

Concen: 21.07 ug/l

RT: 2.91 min Scan# 242

Delta R.T. 0.01 min

Lab File: VF059333.D

Acq: 27 Jun 2018 12:34

Tgt Ion: 45 Resp: 160736

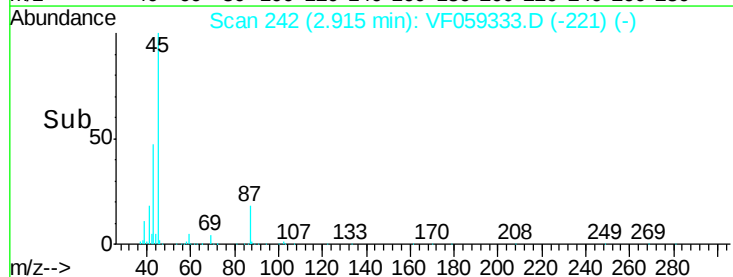
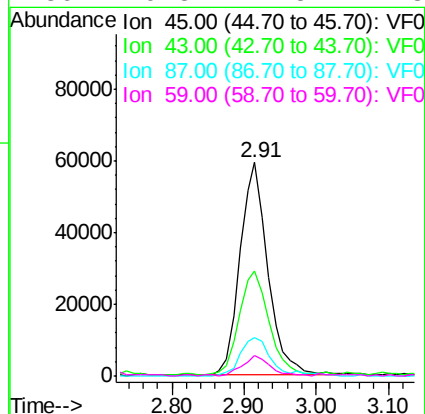
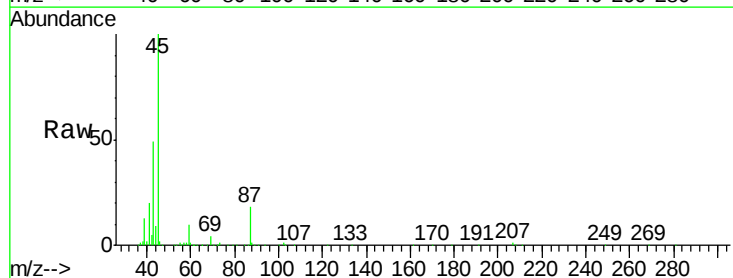
Ion Ratio Lower Upper

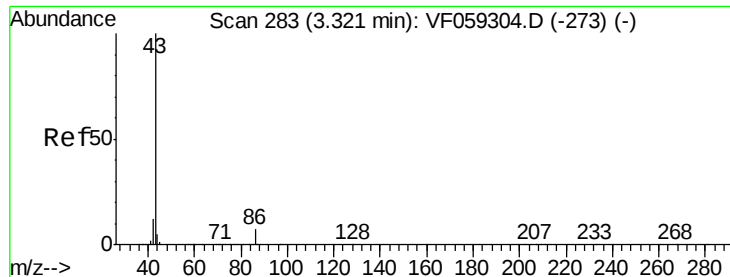
45 100

43 49.2 44.6 66.8

87 18.0 14.3 21.5

59 9.8 7.5 11.3





#23

Vinyl Acetate

Concen: 111.14 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.00 min

Lab File: VF059333.D

Acq: 27 Jun 2018 12:34

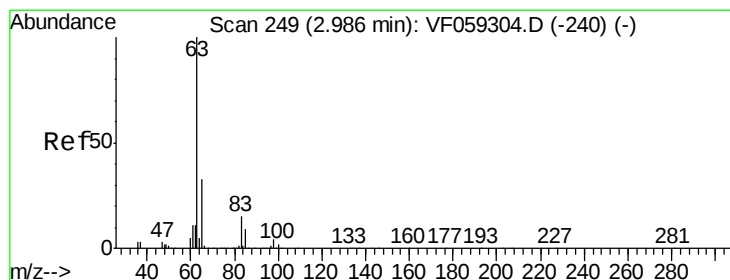
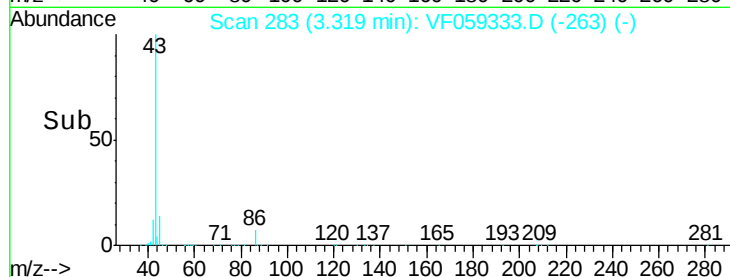
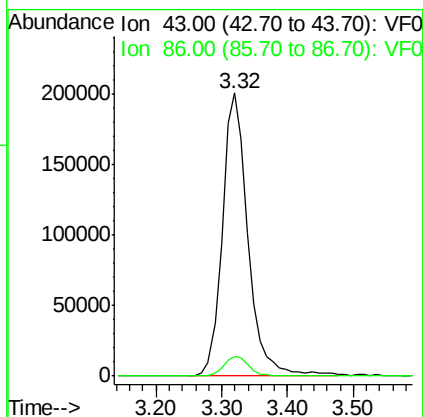
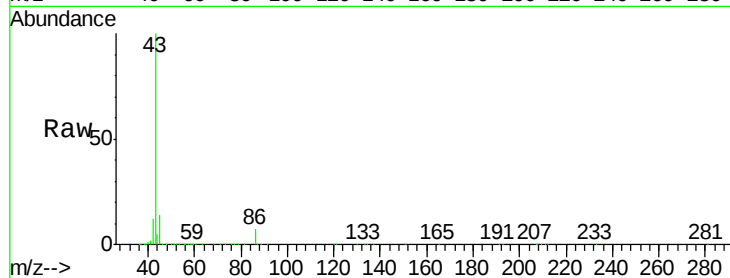
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 539853

Ion Ratio Lower Upper

43 100

86 6.8 5.8 8.6



#24

1,1-Dichloroethane

Concen: 20.58 ug/l

RT: 2.99 min Scan# 250

Delta R.T. 0.01 min

Lab File: VF059333.D

Acq: 27 Jun 2018 12:34

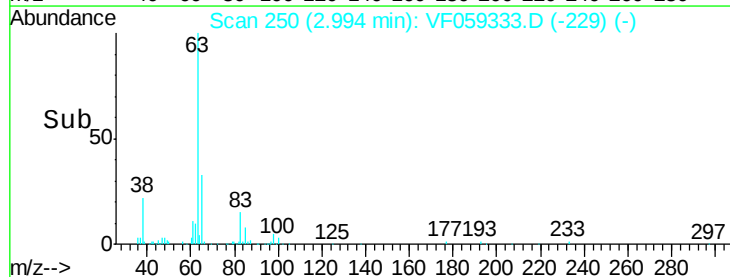
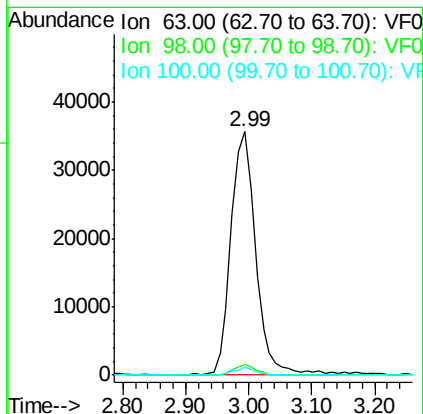
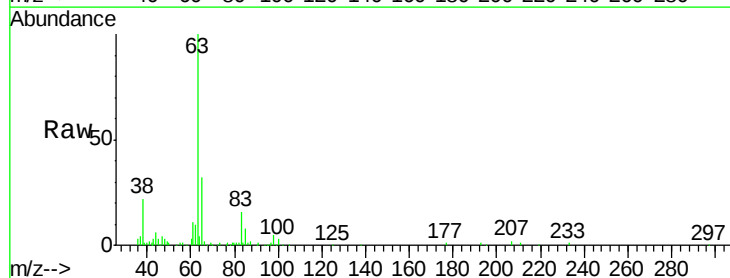
Tgt Ion: 63 Resp: 97338

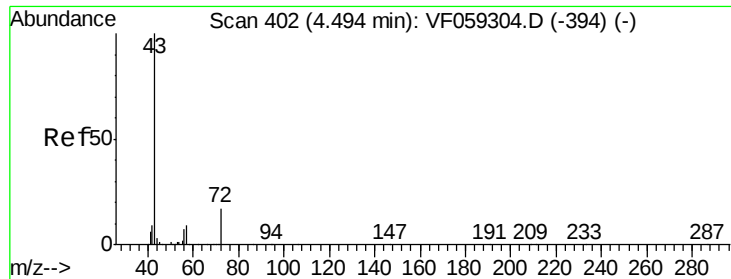
Ion Ratio Lower Upper

63 100

98 4.6 2.0 6.0

100 3.2 1.3 3.9

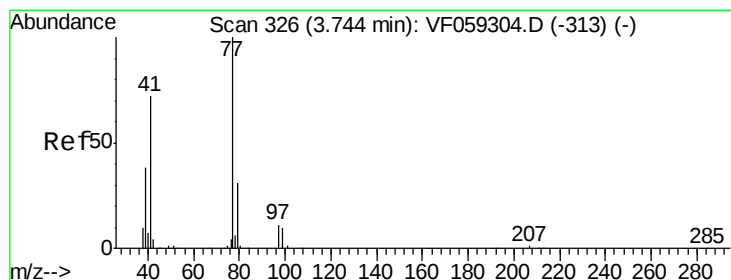
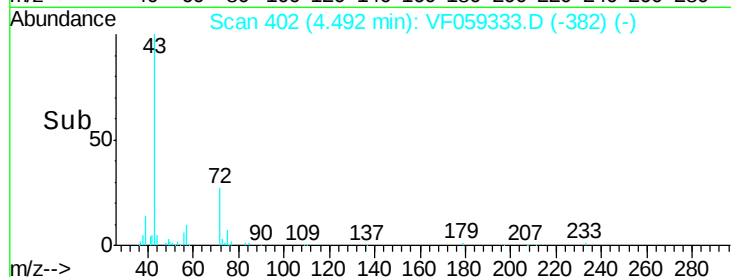
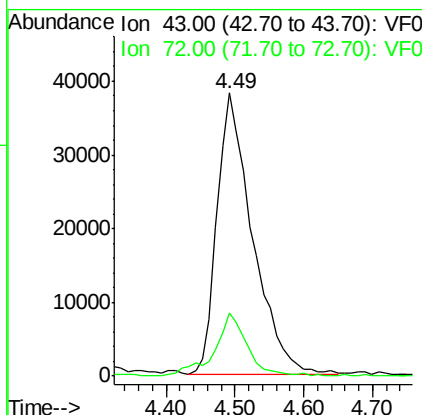
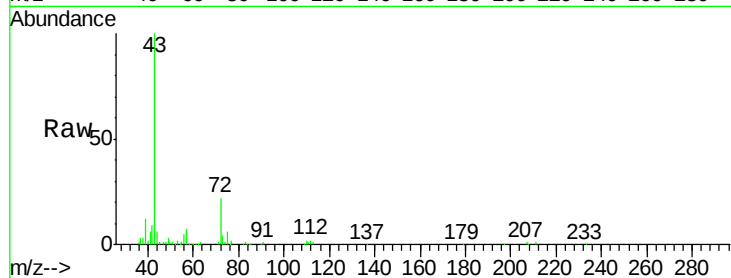




#25
 2-Butanone
 Concen: 110.53 ug/l
 RT: 4.49 min Scan# 402
 Delta R.T. -0.00 min
 Lab File: VF059333.D
 Acq: 27 Jun 2018 12:34

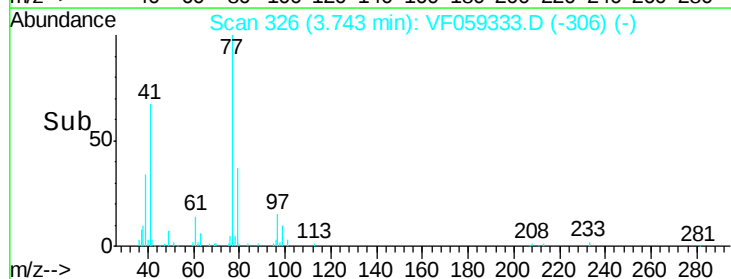
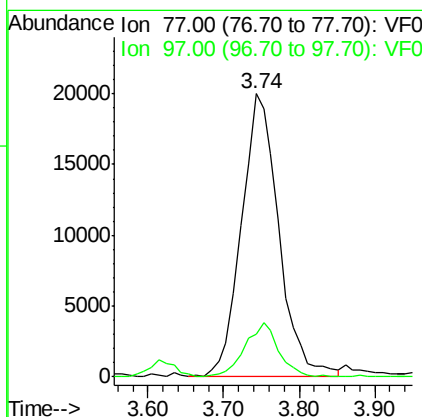
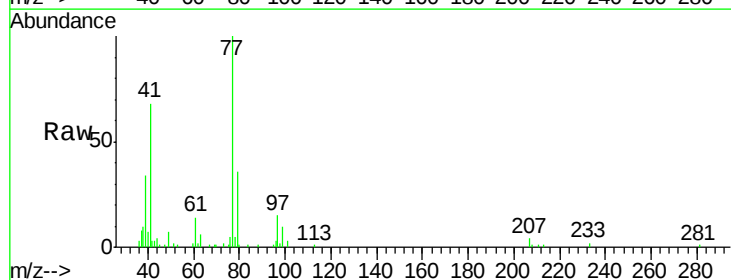
Instrument :
 MSVOA_F
 ClientSampleId :

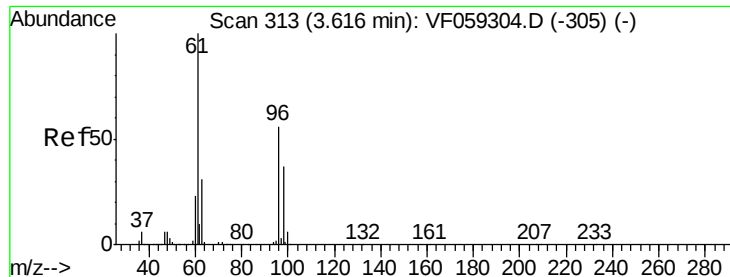
Tot Ion: 43 Resp: 136313
 Ion Ratio Lower Upper
 43 100
 72 22.4 14.4 21.6#



#26
 2,2-Dichloropropane
 Concen: 21.11 ug/l
 RT: 3.74 min Scan# 326
 Delta R.T. -0.00 min
 Lab File: VF059333.D
 Acq: 27 Jun 2018 12:34

Tgt Ion: 77 Resp: 68857
 Ion Ratio Lower Upper
 77 100
 97 15.3 8.0 23.8



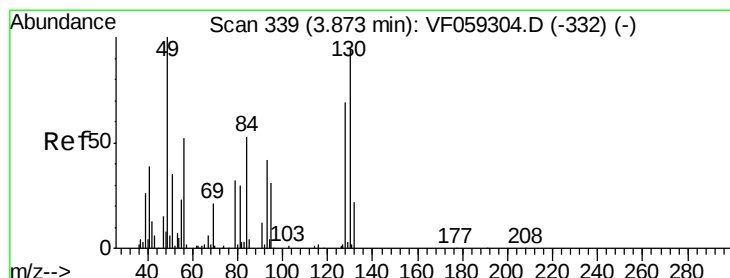
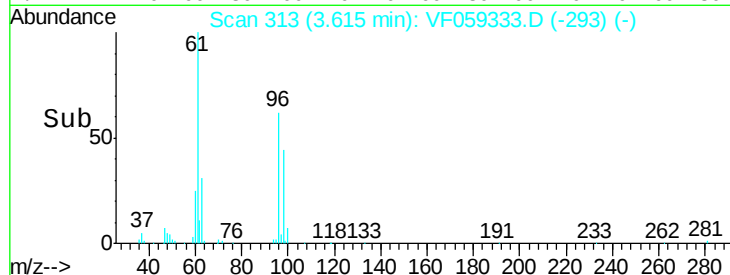
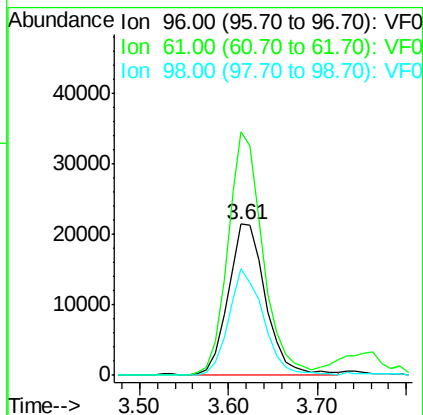
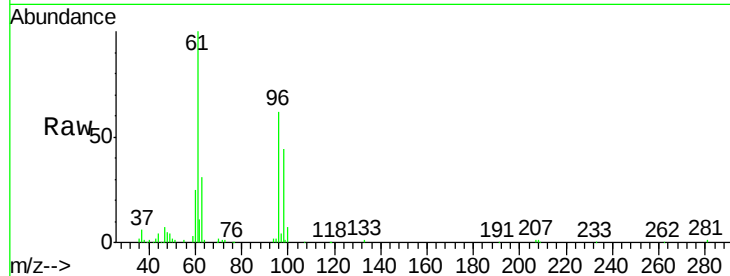


#27

cis-1,2-Dichloroethene
Concen: 21.17 ug/l
RT: 3.61 min Scan# 313
Delta R.T. -0.00 min
Lab File: VF059333.D
Acq: 27 Jun 2018 12:34

Instrument :
MSVOA_F
ClientSampleId :

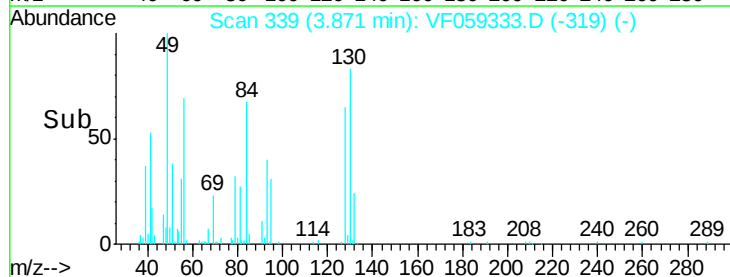
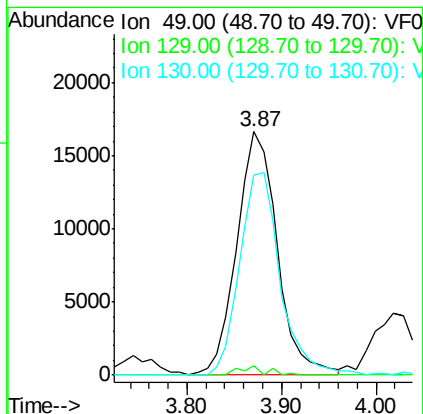
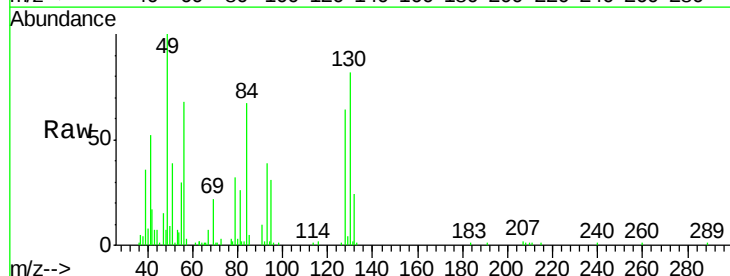
Tot Ion	Ratio	Lower	Upper
96	100		
61	160.9	0.0	355.4
98	70.5	0.0	131.0

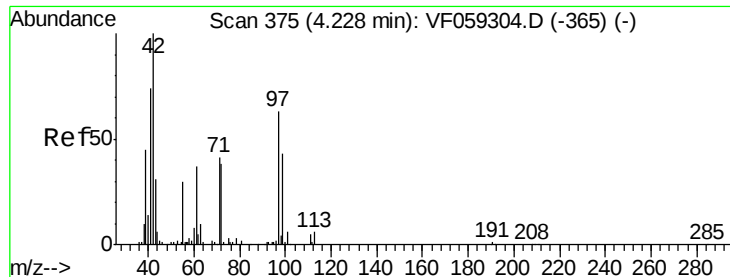


#28

Bromochloromethane
Concen: 25.18 ug/l
RT: 3.87 min Scan# 339
Delta R.T. -0.00 min
Lab File: VF059333.D
Acq: 27 Jun 2018 12:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.7	0.0	6.4
130	82.3	75.1	112.7





#29

Tetrahydrofuran

Concen: 108.11 ug/l

RT: 4.24 min Scan# 376

Delta R.T. 0.01 min

Lab File: VF059333.D

Acq: 27 Jun 2018 12:34

Instrument :

MSVOA_F

ClientSampleId :

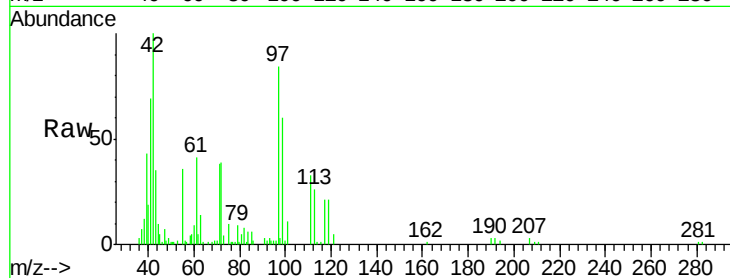
Tot Ion: 42 Resp: 58515

Ion Ratio Lower Upper

42 100

72 39.2 30.5 45.7

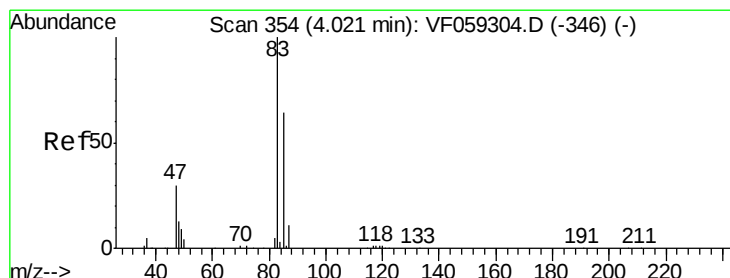
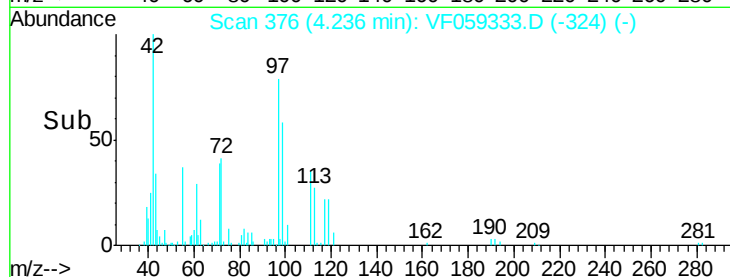
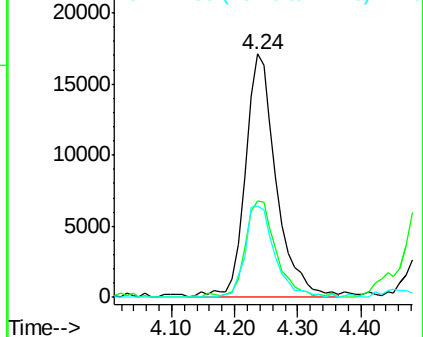
71 36.1 32.5 48.7



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



#30

Chloroform

Concen: 19.58 ug/l

RT: 4.02 min Scan# 354

Delta R.T. -0.00 min

Lab File: VF059333.D

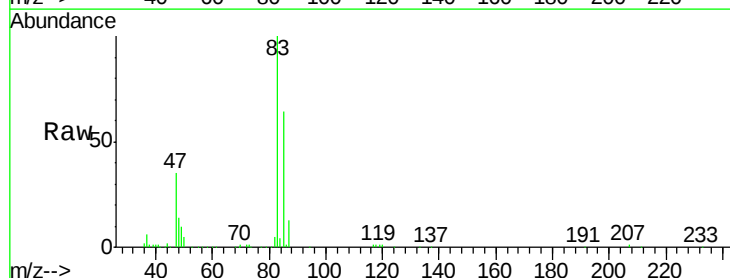
Acq: 27 Jun 2018 12:34

Tgt Ion: 83 Resp: 134036

Ion Ratio Lower Upper

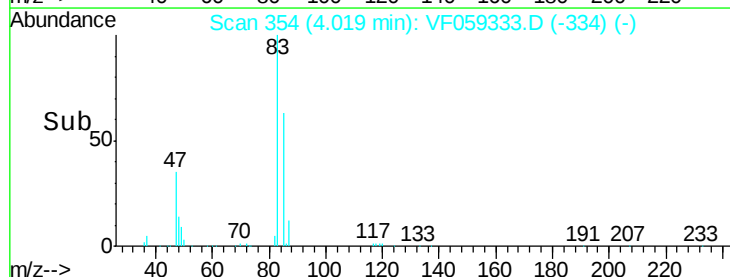
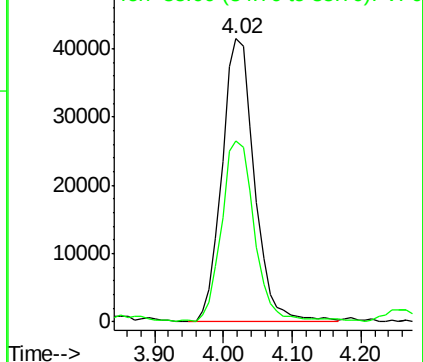
83 100

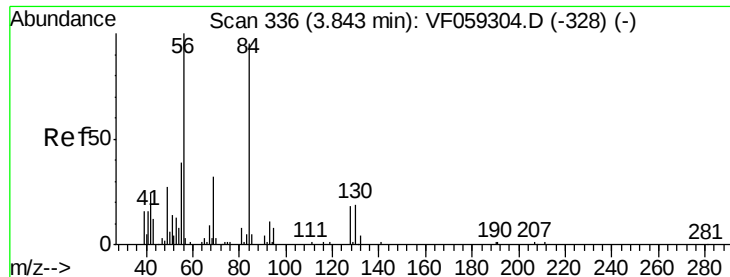
85 63.9 51.3 76.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 20.80 ug/l

RT: 3.84 min Scan# 336

Delta R.T. -0.00 min

Lab File: VF059333.D

Acq: 27 Jun 2018 12:34

Instrument :
MSVOA_F
ClientSampleId :

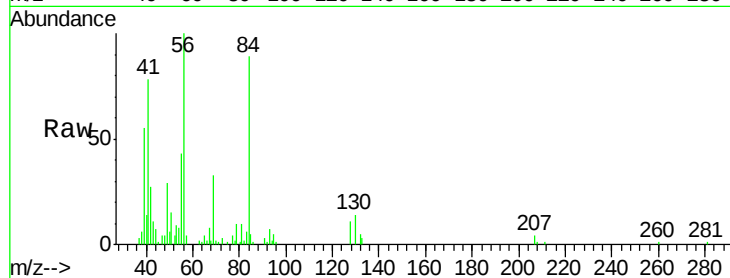
Tot Ion: 56 Resp: 64451

Ion Ratio Lower Upper

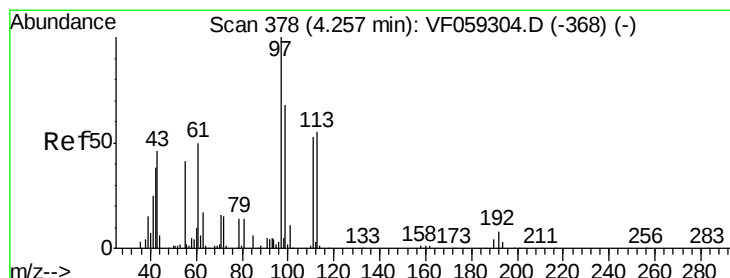
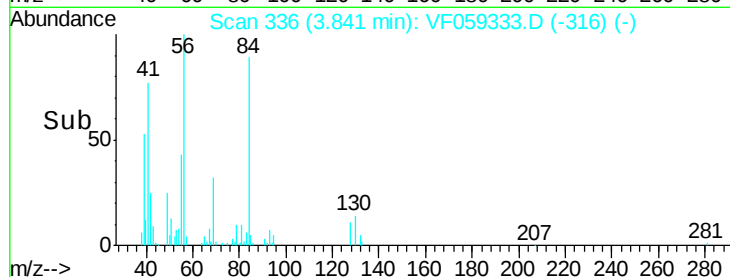
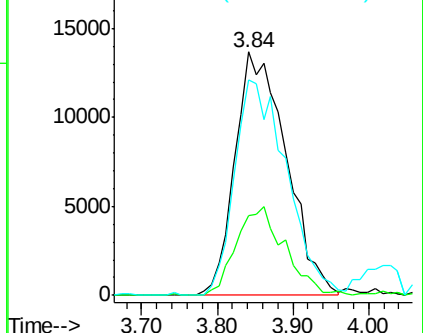
56 100

69 32.7 25.8 38.8

84 88.6 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: 19.68 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.00 min

Lab File: VF059333.D

Acq: 27 Jun 2018 12:34

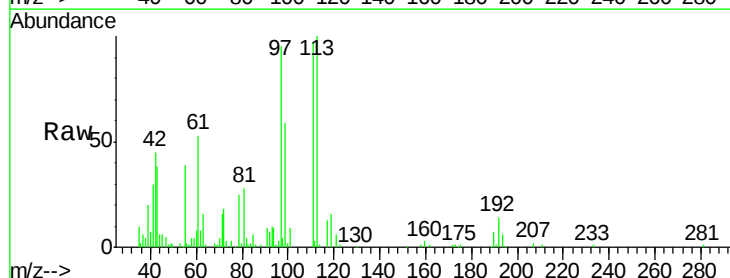
Tgt Ion: 97 Resp: 98607

Ion Ratio Lower Upper

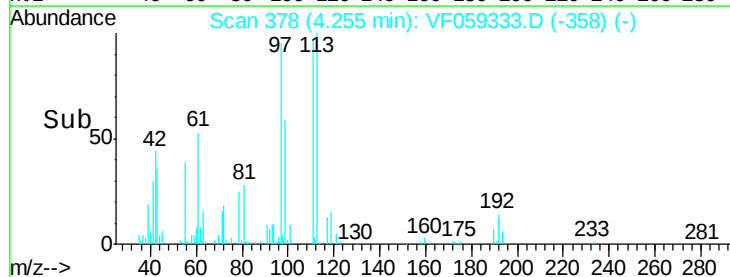
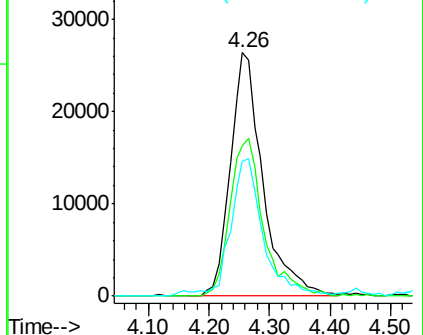
97 100

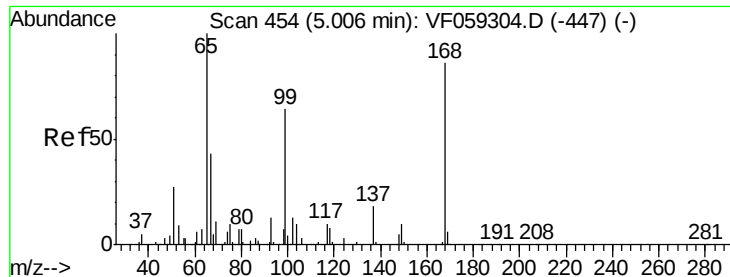
99 61.8 54.1 81.1

61 55.4 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: 44.70 ug/l

RT: 5.00 min Scan# 454

Delta R.T. -0.00 min

Lab File: VF059333.D

Acq: 27 Jun 2018 12:34

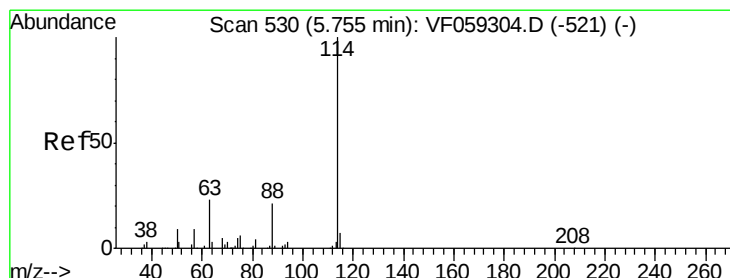
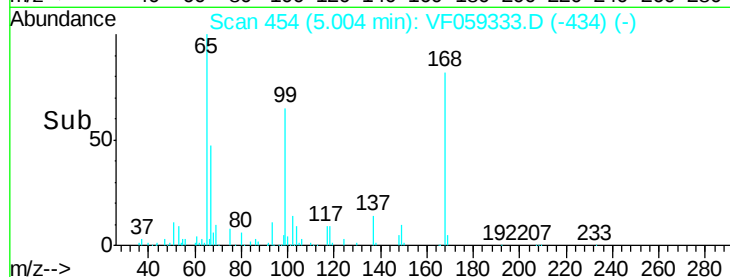
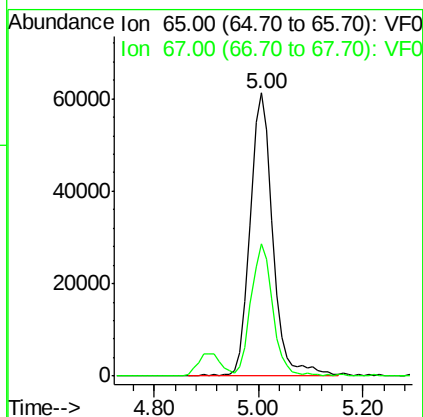
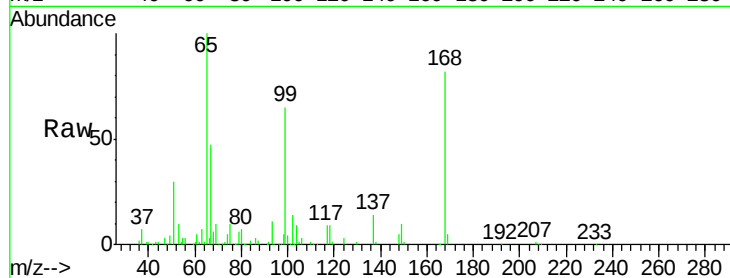
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 65 Resp: 179730

Ion Ratio Lower Upper

65 100

67 46.5 0.0 96.8



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.75 min Scan# 530

Delta R.T. -0.00 min

Lab File: VF059333.D

Acq: 27 Jun 2018 12:34

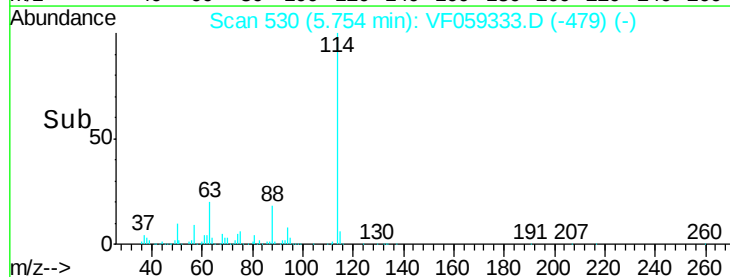
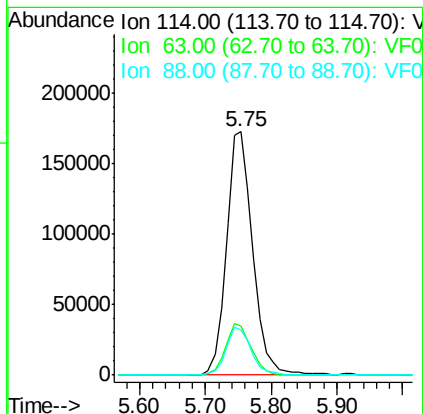
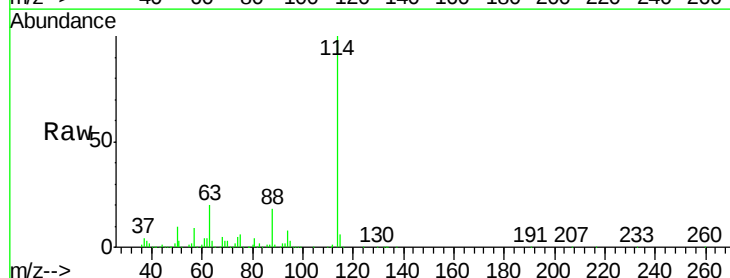
Tgt Ion: 114 Resp: 479092

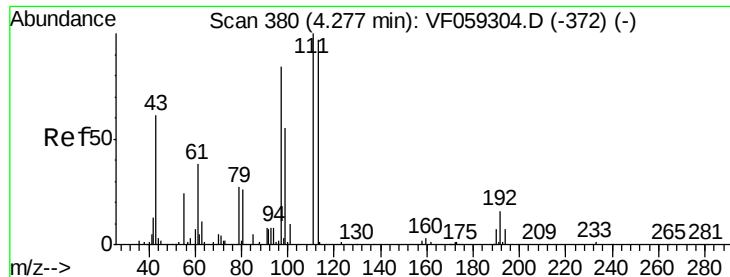
Ion Ratio Lower Upper

114 100

63 19.9 0.0 45.8

88 18.5 0.0 41.2

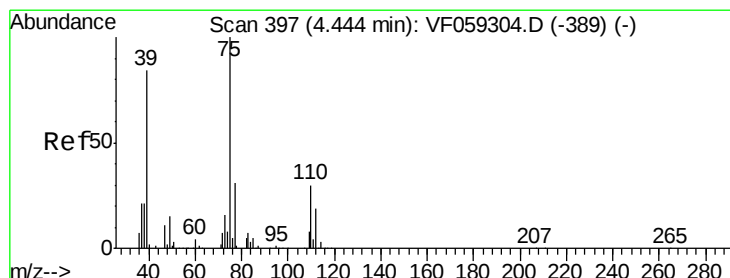
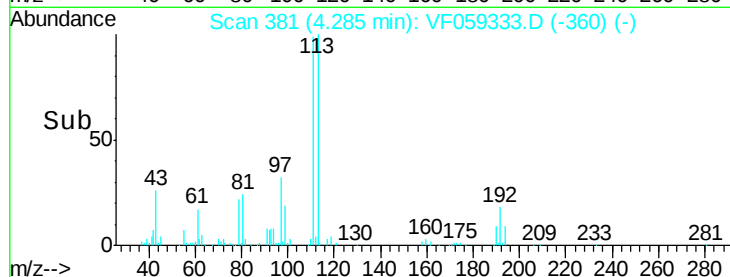
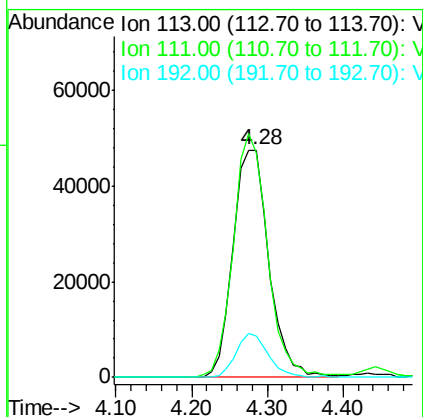
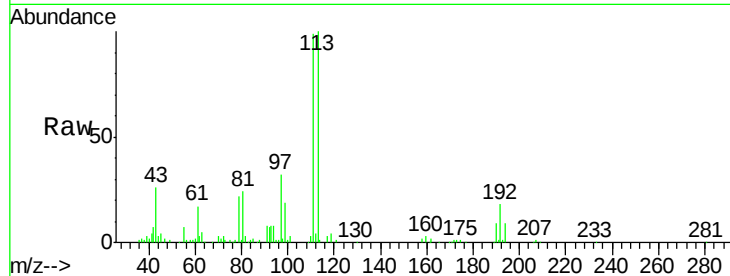




#35
Dibromofluoromethane
Concen: 44.73 ug/l
RT: 4.28 min Scan# 381
Delta R.T. 0.01 min
Lab File: VF059333.D
Acq: 27 Jun 2018 12:34

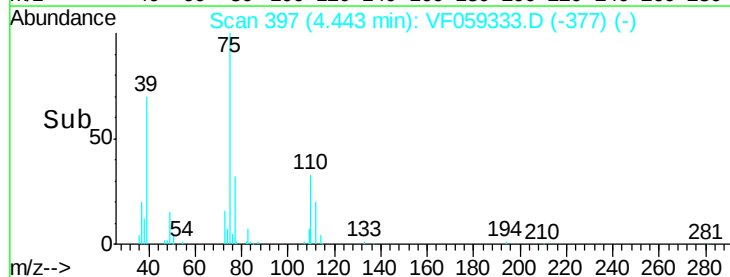
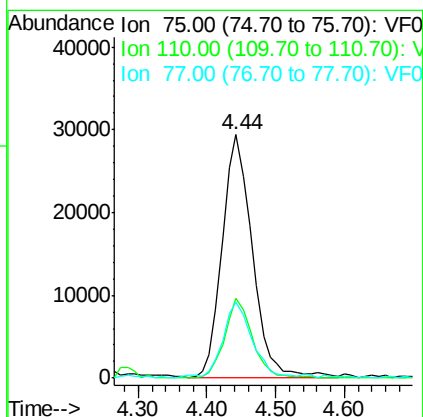
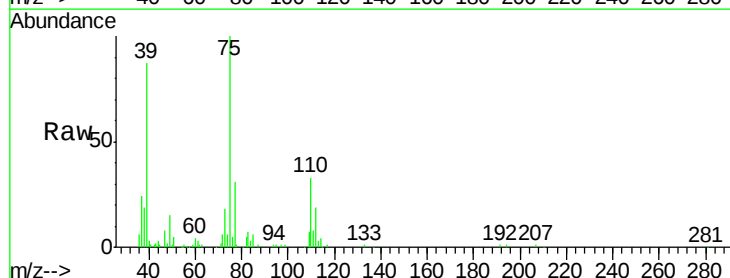
Instrument :
MSVOA_F
ClientSampleId :

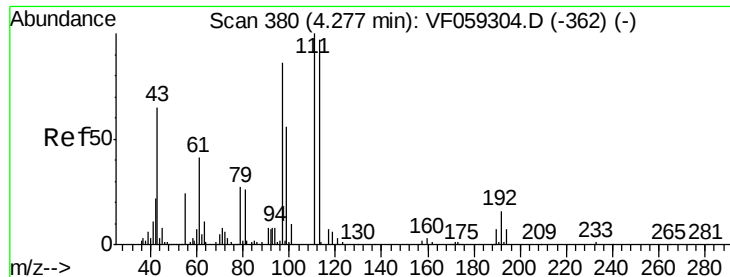
Tot Ion:113 Resp: 156598
Ion Ratio Lower Upper
113 100
111 99.1 82.1 123.1
192 18.1 13.0 19.6



#36
1,1-Dichloropropene
Concen: 21.54 ug/l
RT: 4.44 min Scan# 397
Delta R.T. -0.00 min
Lab File: VF059333.D
Acq: 27 Jun 2018 12:34

Tgt Ion: 75 Resp: 90148
Ion Ratio Lower Upper
75 100
110 32.9 14.8 44.4
77 31.1 25.2 37.8





#37

Ethyl Acetate

Concen: 21.13 ug/l

RT: 4.27 min Scan# 380

Delta R.T. -0.00 min

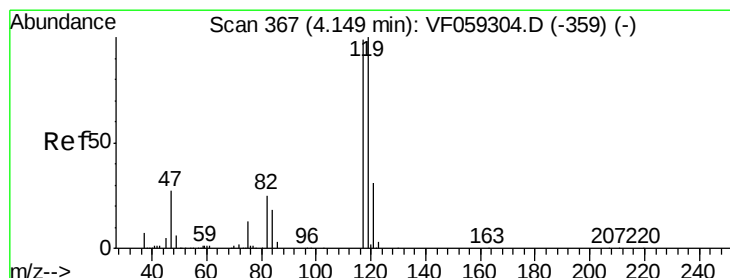
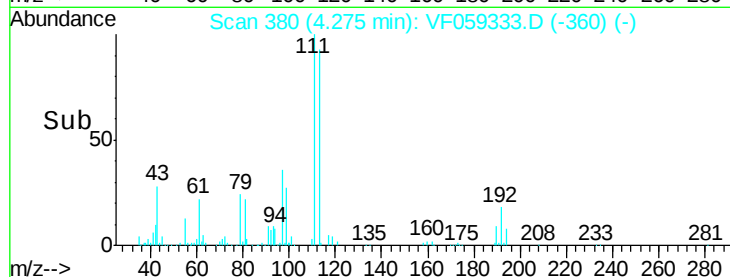
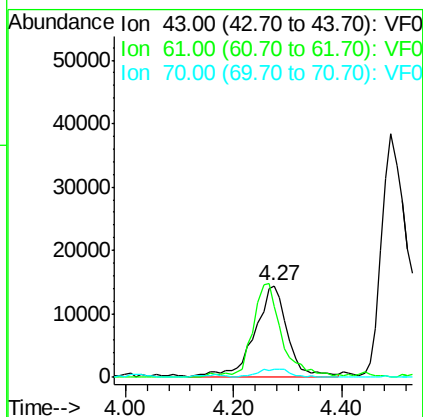
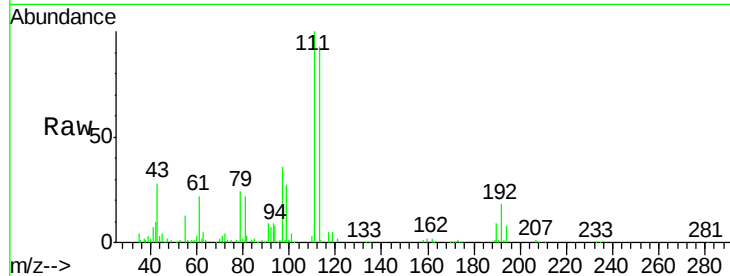
Lab File: VF059333.D

Acq: 27 Jun 2018 12:34

Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 58863

Ion	Ratio	Lower	Upper
43	100		
61	77.7	50.1	75.1#
70	8.2	6.2	9.4



#38

Carbon Tetrachloride

Concen: 21.53 ug/l

RT: 4.16 min Scan# 368

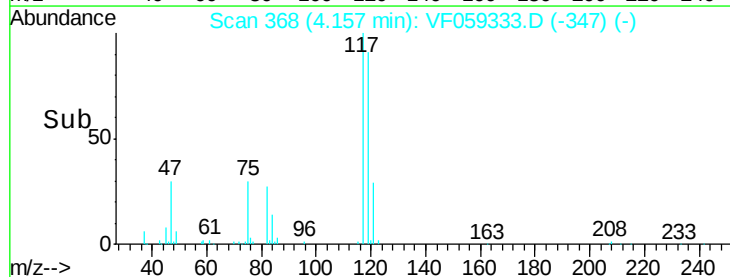
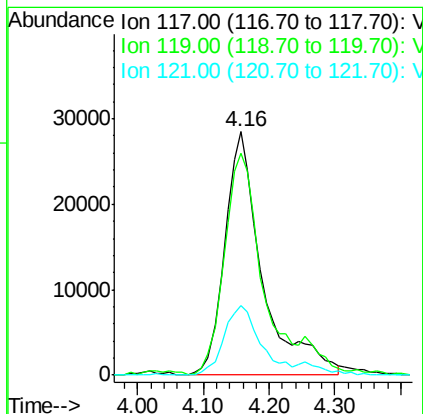
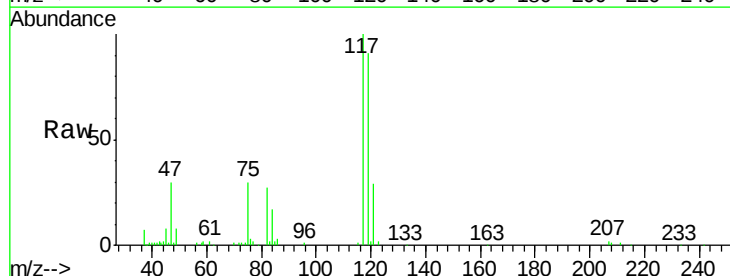
Delta R.T. 0.01 min

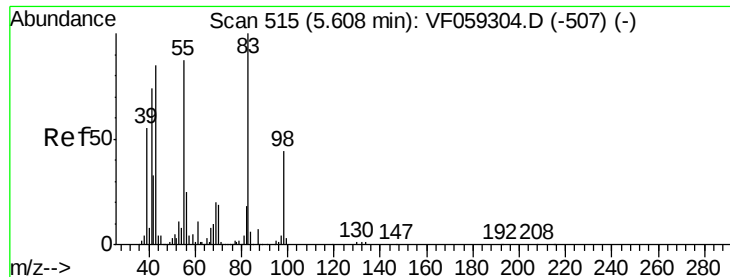
Lab File: VF059333.D

Acq: 27 Jun 2018 12:34

Tgt Ion: 117 Resp: 113690

Ion	Ratio	Lower	Upper
117	100		
119	91.2	81.0	121.4
121	28.7	24.7	37.1

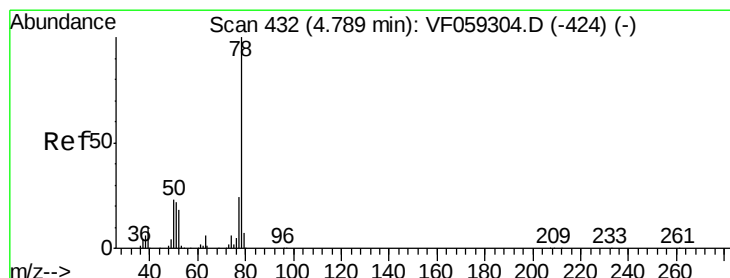
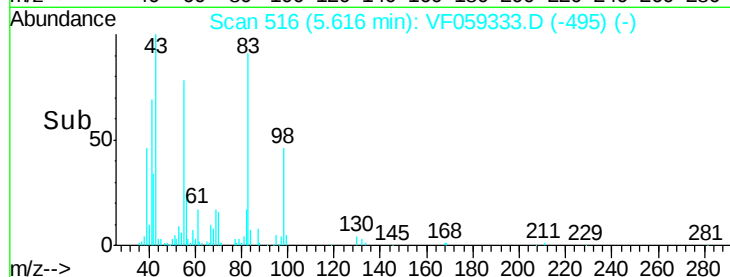
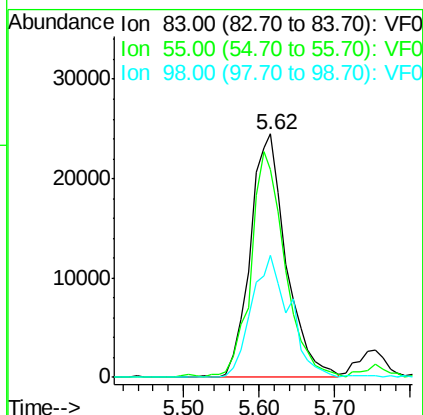
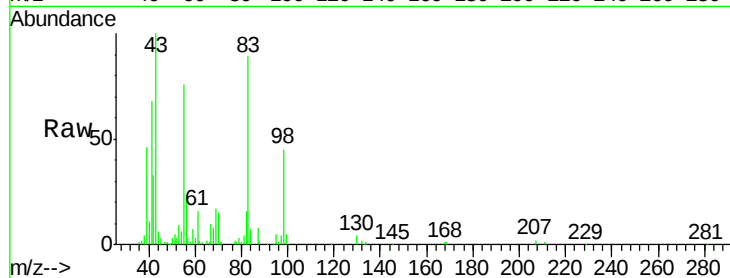




#39
Methvlcvclohexane
Concen: 21.75 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.01 min
Lab File: VF059333.D
Acq: 27 Jun 2018 12:34

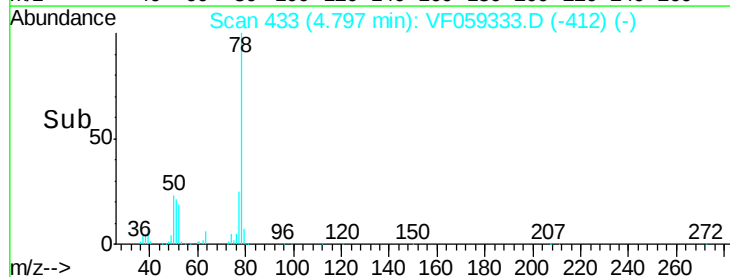
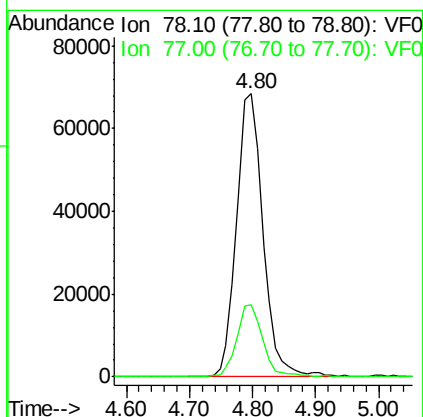
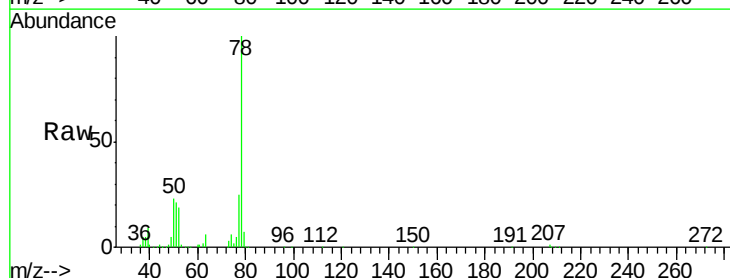
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 83 Resp: 80670
Ion Ratio Lower Upper
83 100
55 85.3 69.2 103.8
98 50.2 35.0 52.6



#40
Benzene
Concen: 21.47 ug/l
RT: 4.80 min Scan# 433
Delta R.T. 0.01 min
Lab File: VF059333.D
Acq: 27 Jun 2018 12:34

Tgt Ion: 78 Resp: 199205
Ion Ratio Lower Upper
78 100
77 25.5 19.6 29.4





#41

Methacrylonitrile

Concen: 19.46 ug/l

RT: 4.91 min Scan# 444

Delta R.T. -0.00 min

Lab File: VF059333.D

Acq: 27 Jun 2018 12:34

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 41 Resp: 27785

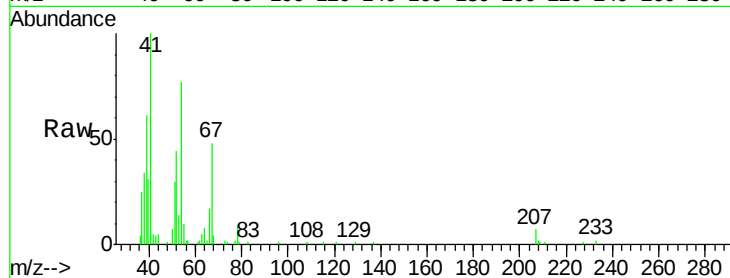
Ion Ratio Lower Upper

41 100

39 61.3 50.0 75.0

67 47.9 37.0 55.6

52 44.3 37.1 55.7

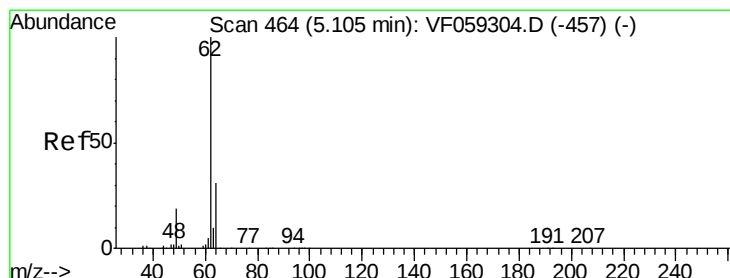
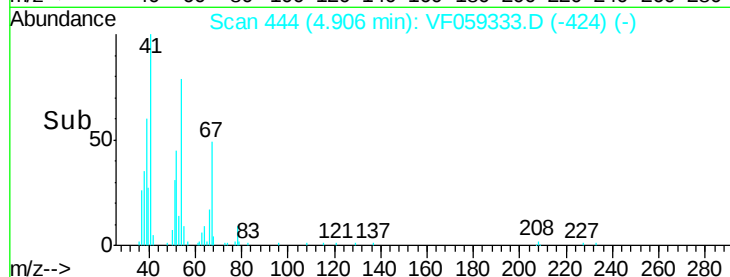
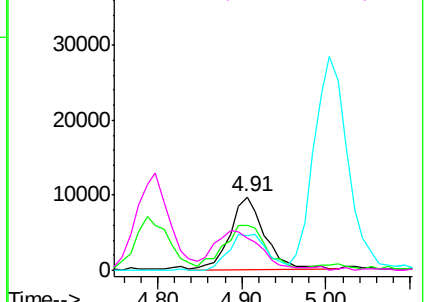


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 19.92 ug/l

RT: 5.10 min Scan# 464

Delta R.T. -0.00 min

Lab File: VF059333.D

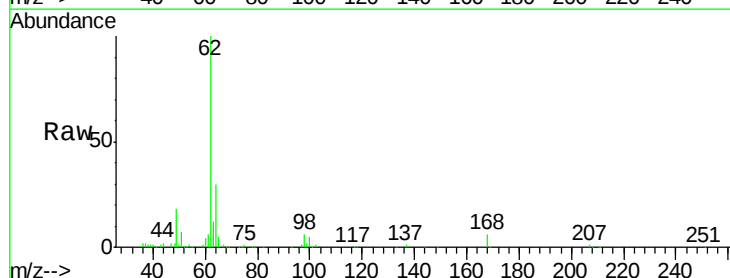
Acq: 27 Jun 2018 12:34

Tgt Ion: 62 Resp: 108034

Ion Ratio Lower Upper

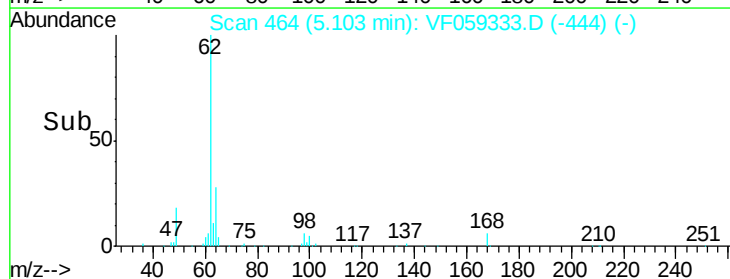
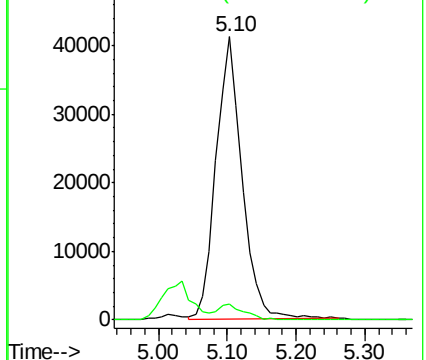
62 100

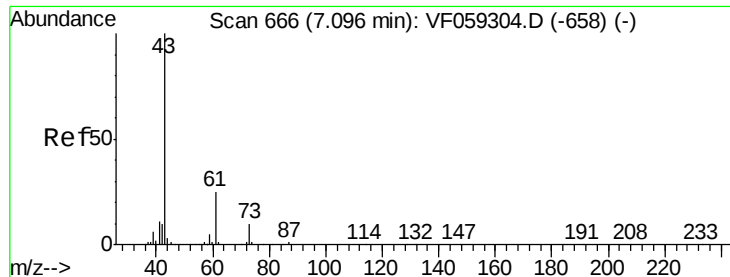
98 5.5 0.0 11.4



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



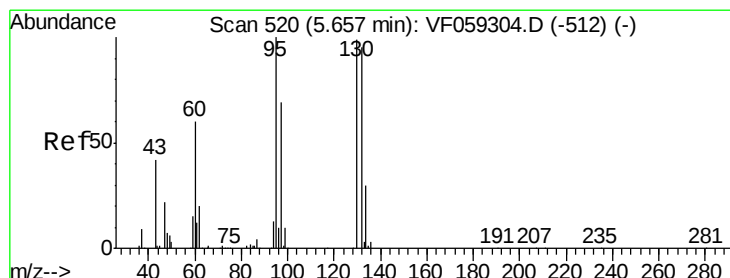
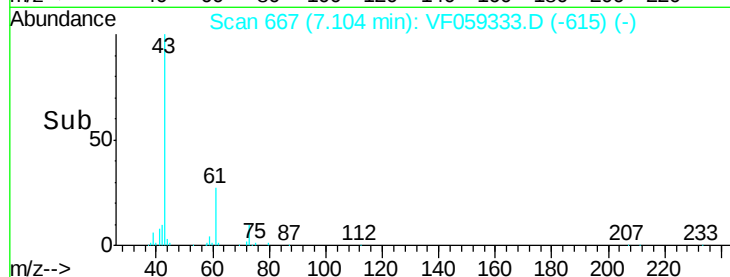
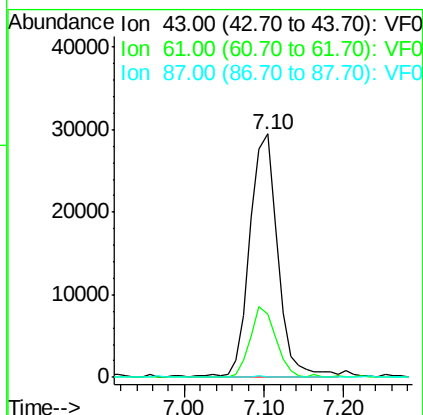
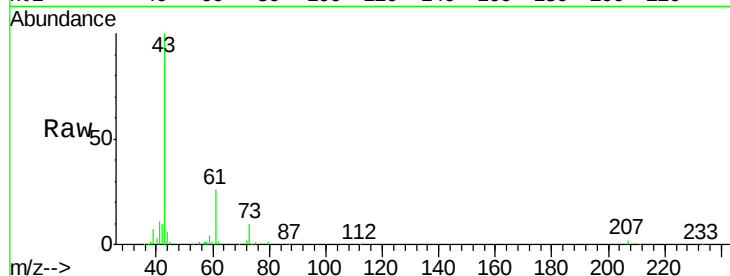


#43

Isopropyl Acetate
 Concen: 20.08 ug/l
 RT: 7.10 min Scan# 667
 Delta R.T. 0.01 min
 Lab File: VF059333.D
 Acq: 27 Jun 2018 12:34

Instrument :
 MSVOA_F
 ClientSampleId :

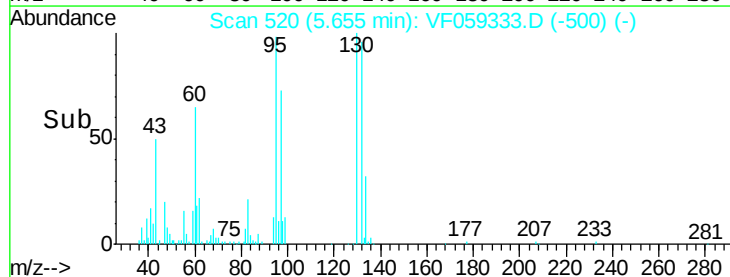
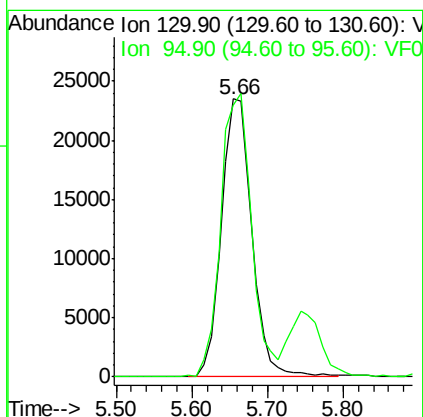
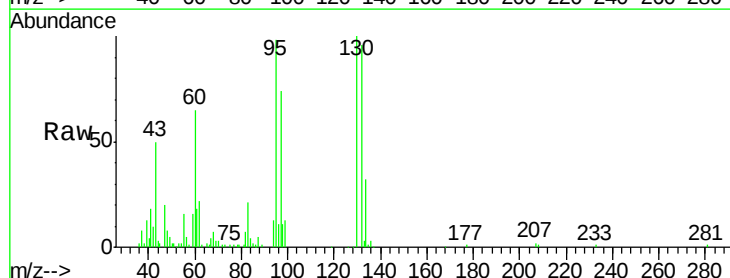
Tot Ion: 43 Resp: 69987
 Ion Ratio Lower Upper
 43 100
 61 25.9 19.7 29.5
 87 0.4 0.5 0.7#

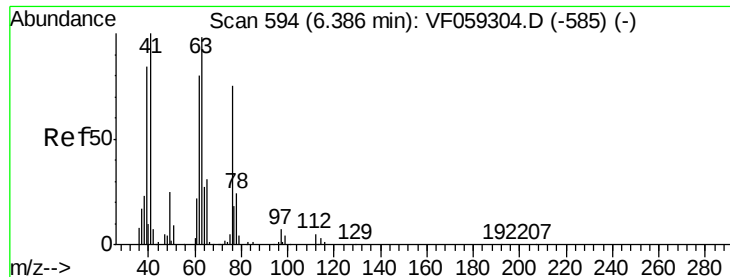


#44

Trichloroethene
 Concen: 20.62 ug/l
 RT: 5.66 min Scan# 520
 Delta R.T. -0.00 min
 Lab File: VF059333.D
 Acq: 27 Jun 2018 12:34

Tgt Ion: 130 Resp: 65627
 Ion Ratio Lower Upper
 130 100
 95 97.8 0.0 202.4





#45

1,2-Dichloropropane

Concen: 21.06 ug/l

RT: 6.38 min Scan# 594

Delta R.T. -0.00 min

Lab File: VF059333.D

Acq: 27 Jun 2018 12:34

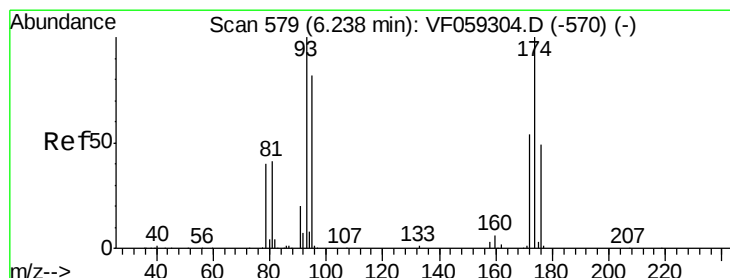
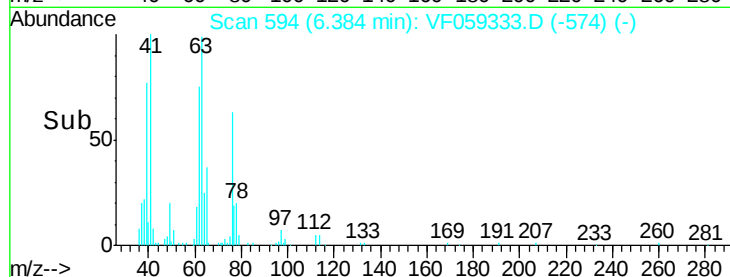
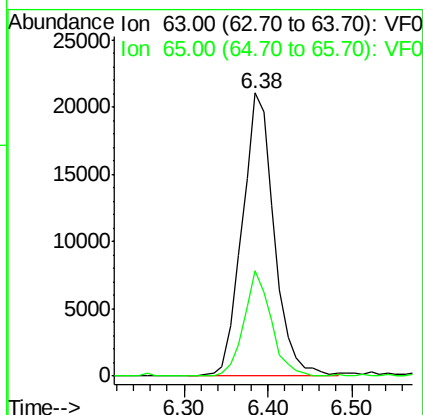
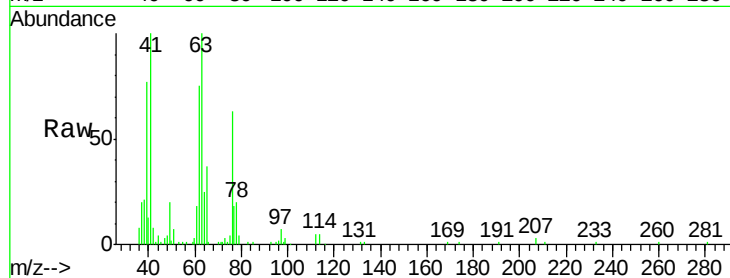
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 63 Resp: 55825

Ion Ratio Lower Upper

63 100

65 37.1 25.3 37.9



#46

Dibromomethane

Concen: 19.52 ug/l

RT: 6.24 min Scan# 579

Delta R.T. -0.00 min

Lab File: VF059333.D

Acq: 27 Jun 2018 12:34

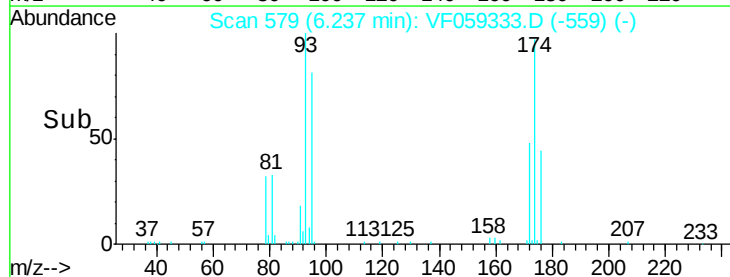
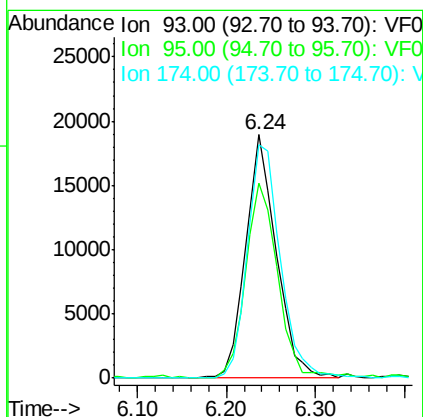
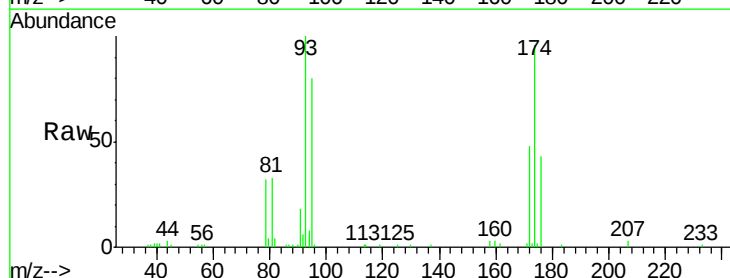
Tgt Ion: 93 Resp: 44922

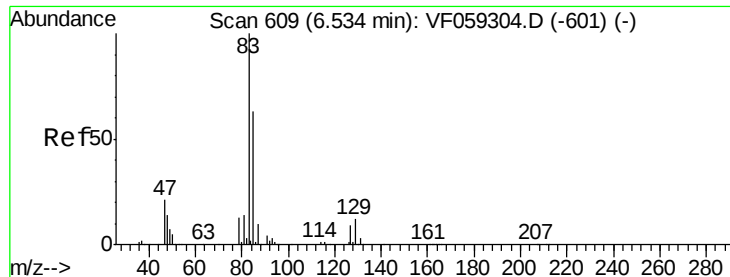
Ion Ratio Lower Upper

93 100

95 80.1 65.6 98.4

174 96.0 80.0 120.0





#47

Bromodichloromethane

Concen: 19.79 ug/l

RT: 6.53 min Scan# 609

Delta R.T. -0.00 min

Lab File: VF059333.D

Acq: 27 Jun 2018 12:34

Instrument :
MSVOA_F
ClientSampleId :

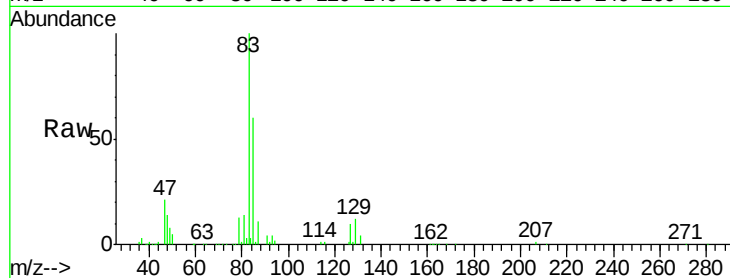
Tot Ion: 83 Resp: 110218

Ion	Ratio	Lower	Upper
83	100		
85	60.4	50.2	75.2
127	10.4	7.0	10.4

83 100

85 60.4 50.2 75.2

127 10.4 7.0 10.4

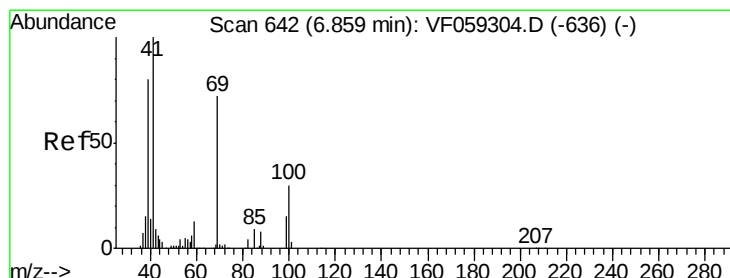
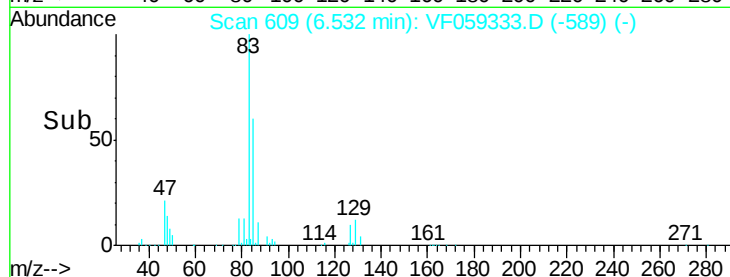
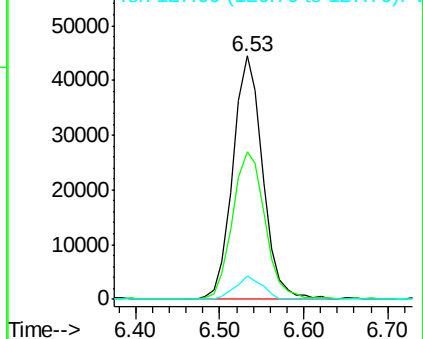


Abundance

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: 19.51 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.00 min

Lab File: VF059333.D

Acq: 27 Jun 2018 12:34

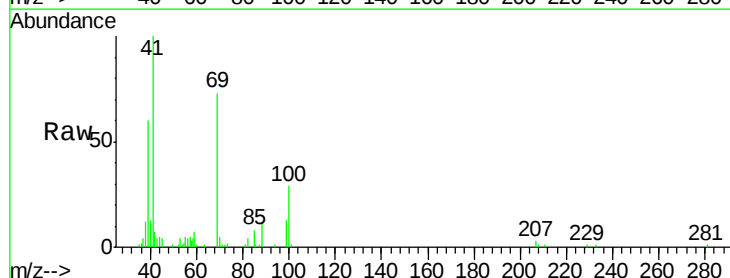
Tgt Ion: 41 Resp: 45582

Ion	Ratio	Lower	Upper
41	100		
69	73.2	57.3	85.9
39	60.3	64.4	96.6#

41 100

69 73.2 57.3 85.9

39 60.3 64.4 96.6#

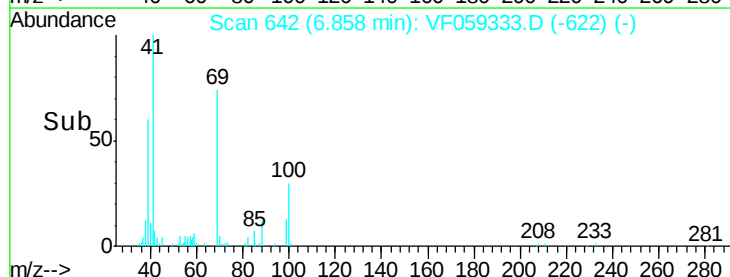
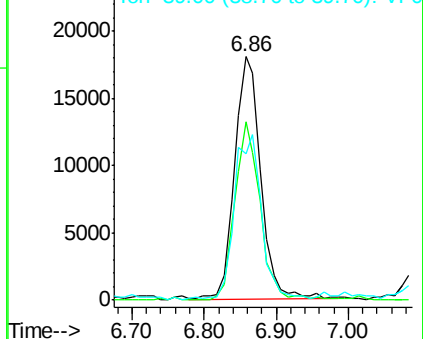


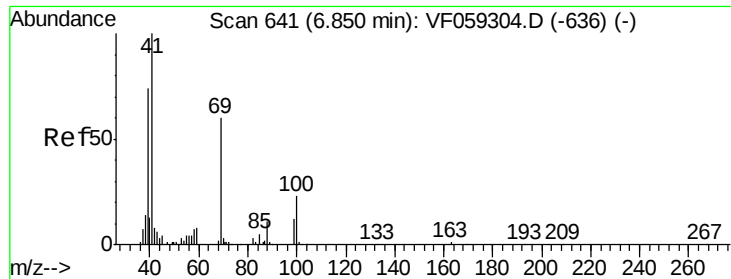
Abundance

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

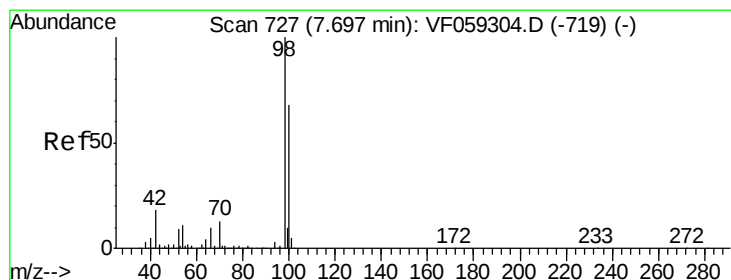
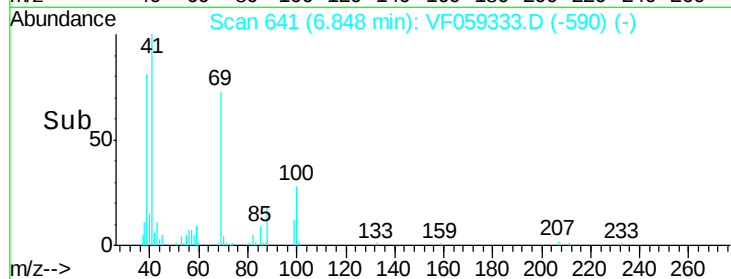
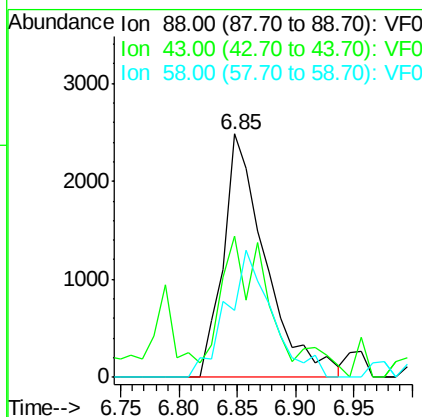
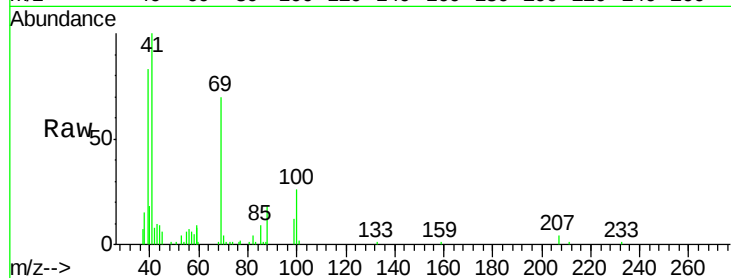




#49
 1,4-Dioxane
 Concen: 479.44 ug/l
 RT: 6.85 min Scan# 641
 Delta R.T. -0.00 min
 Lab File: VF059333.D
 Acq: 27 Jun 2018 12:34

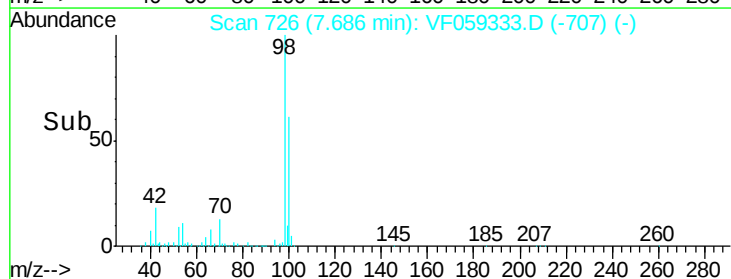
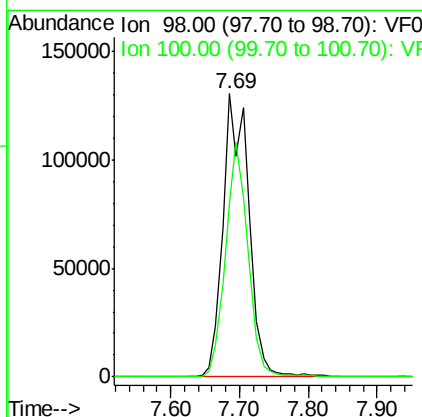
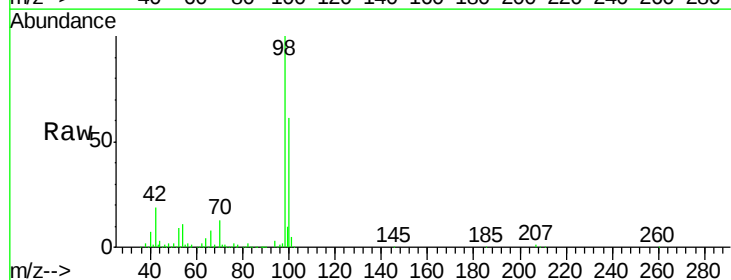
Instrument :
 MSVOA_F
 ClientSampleId :

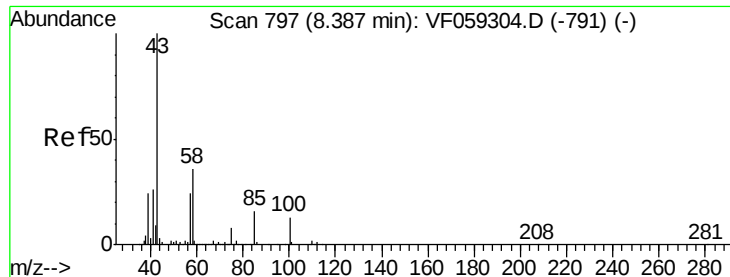
Tot Ion: 88 Resp: 6253
 Ion Ratio Lower Upper
 88 100
 43 57.9 50.6 75.8
 58 27.7 46.6 69.8#



#50
 Toluene-d8
 Concen: 39.04 ug/l
 RT: 7.69 min Scan# 726
 Delta R.T. -0.01 min
 Lab File: VF059333.D
 Acq: 27 Jun 2018 12:34

Tgt Ion: 98 Resp: 338324
 Ion Ratio Lower Upper
 98 100
 100 61.1 54.6 82.0





#51

4-Methyl-2-Pentanone

Concen: 104.07 ug/l

RT: 8.40 min Scan# 798

Delta R.T. 0.01 min

Lab File: VF059333.D

Acq: 27 Jun 2018 12:34

Instrument :

MSVOA_F

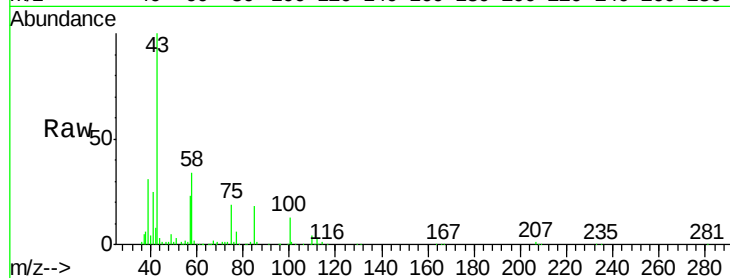
ClientSampled :

Tot Ion: 43 Resp: 268778

Ion Ratio Lower Upper

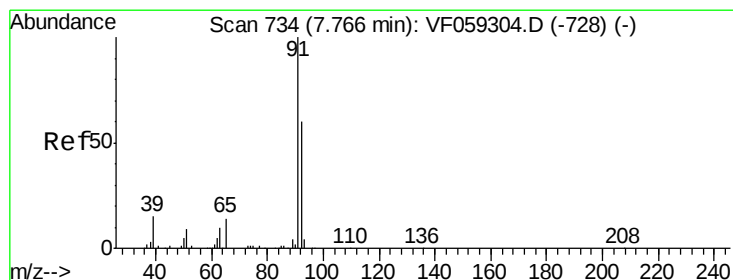
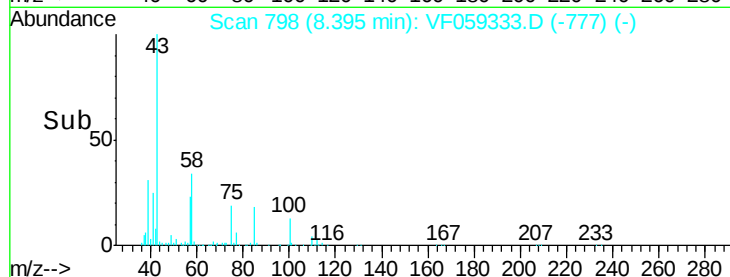
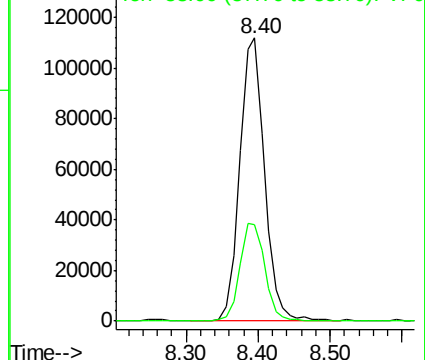
43 100

58 34.0 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: 20.62 ug/l

RT: 7.76 min Scan# 734

Delta R.T. -0.00 min

Lab File: VF059333.D

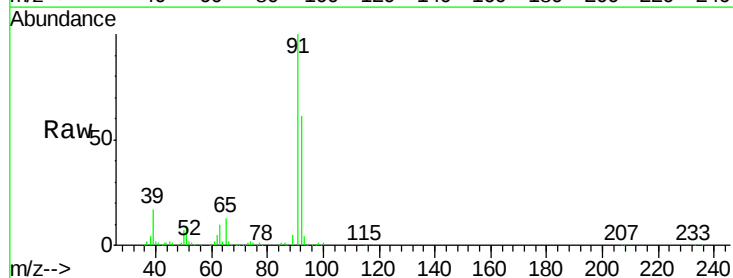
Acq: 27 Jun 2018 12:34

Tgt Ion: 92 Resp: 143173

Ion Ratio Lower Upper

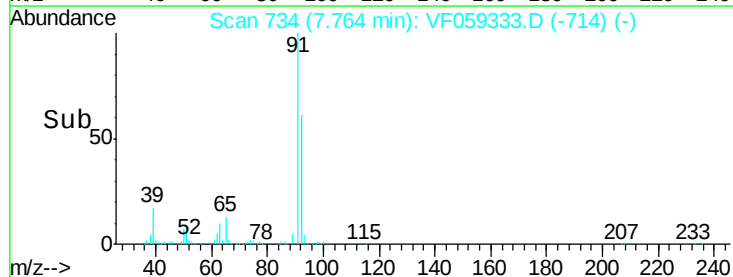
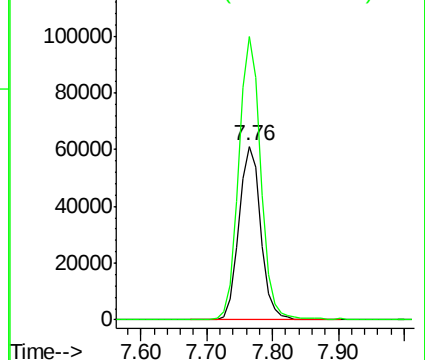
92 100

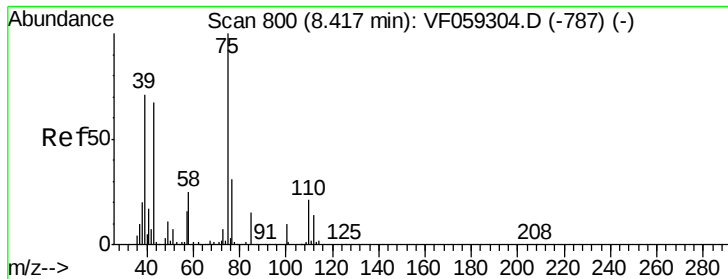
91 163.3 132.8 199.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 19.77 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.00 min

Lab File: VF059333.D

Acq: 27 Jun 2018 12:34

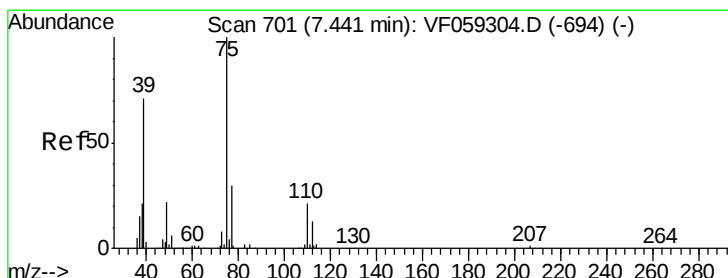
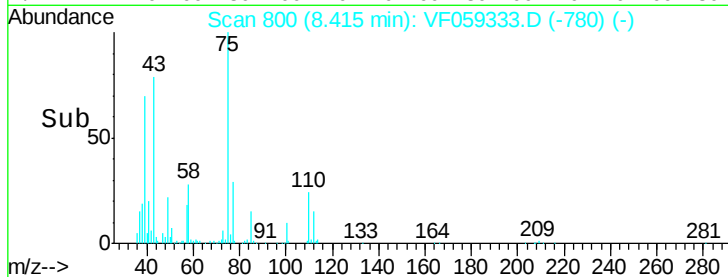
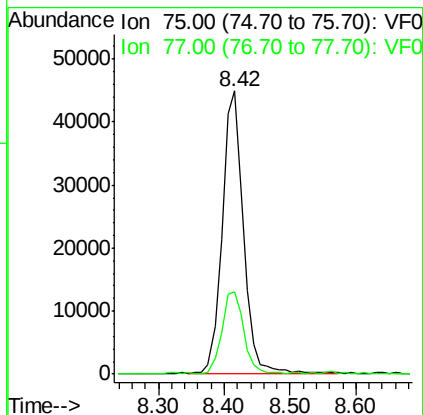
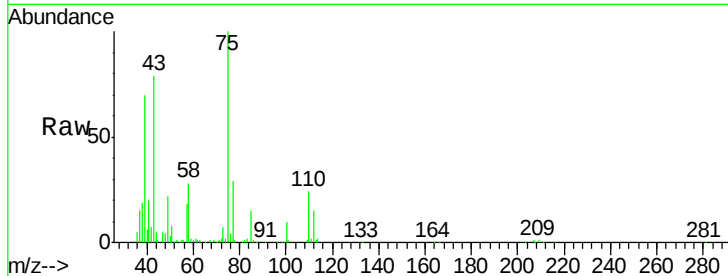
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 75 Resp: 100366

Ion Ratio Lower Upper

75 100

77 29.0 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 19.67 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.00 min

Lab File: VF059333.D

Acq: 27 Jun 2018 12:34

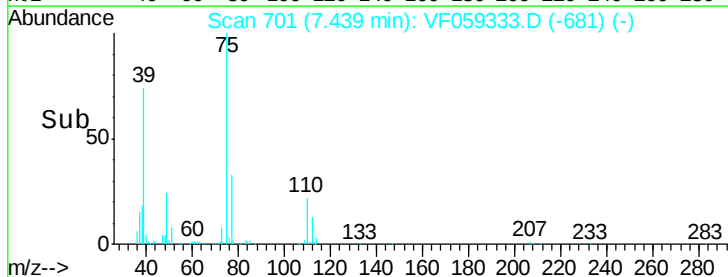
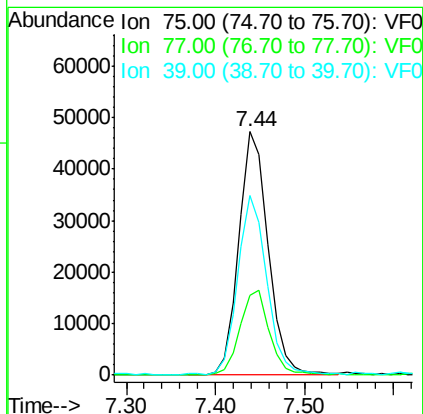
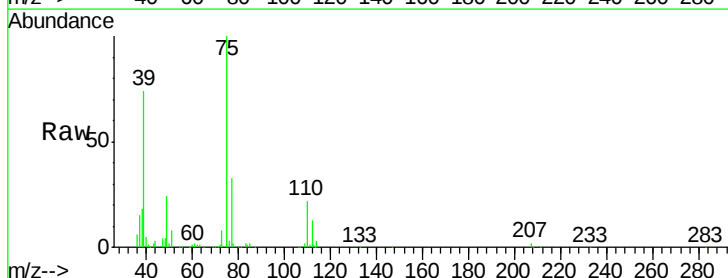
Tgt Ion: 75 Resp: 108480

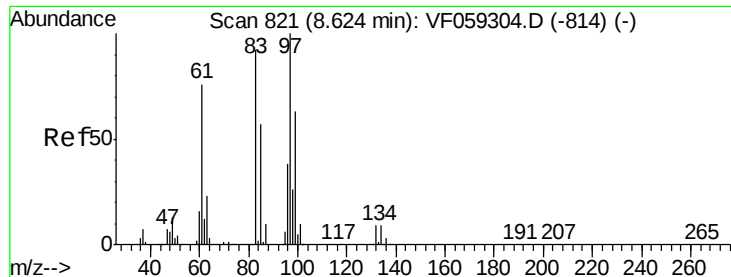
Ion Ratio Lower Upper

75 100

77 32.5 24.3 36.5

39 73.9 57.2 85.8





#55

1,1,2-Trichloroethane

Concen: 20.10 ug/l

RT: 8.62 min Scan# 821

Delta R.T. -0.00 min

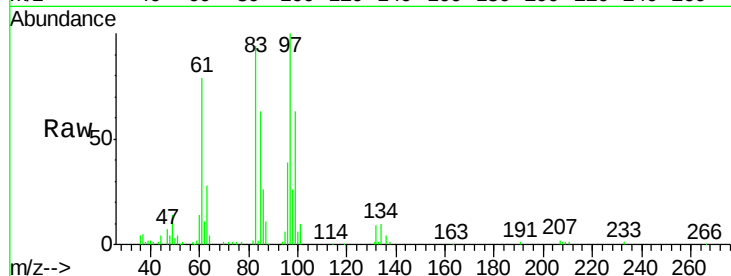
Lab File: VF059333.D

Acq: 27 Jun 2018 12:34

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 97 Resp: 54192

Ion	Ratio	Lower	Upper
97	100		
83	94.1	73.8	110.8
85	63.0	45.5	68.3
99	62.9	50.7	76.1

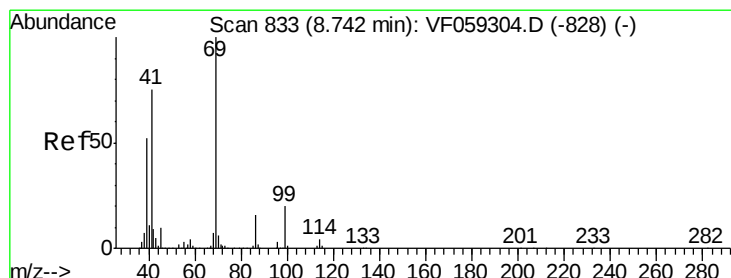
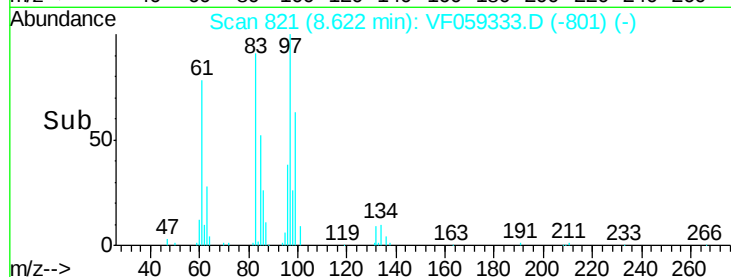
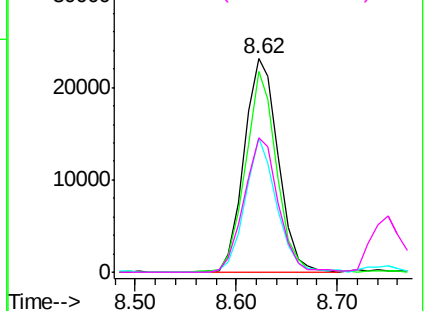


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 19.25 ug/l

RT: 8.75 min Scan# 834

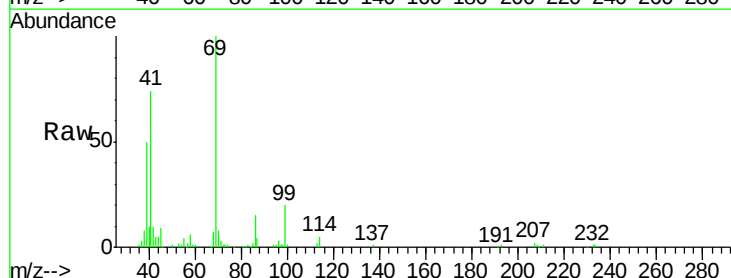
Delta R.T. 0.01 min

Lab File: VF059333.D

Acq: 27 Jun 2018 12:34

Tgt Ion: 69 Resp: 64301

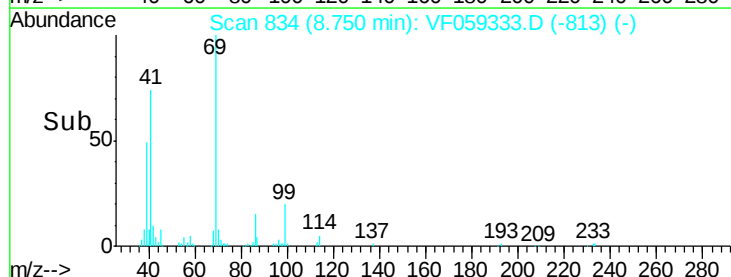
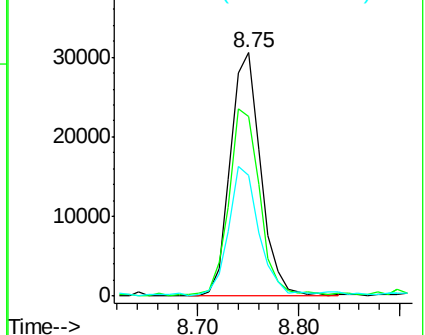
Ion	Ratio	Lower	Upper
69	100		
41	73.8	60.3	90.5
39	49.6	42.2	63.4

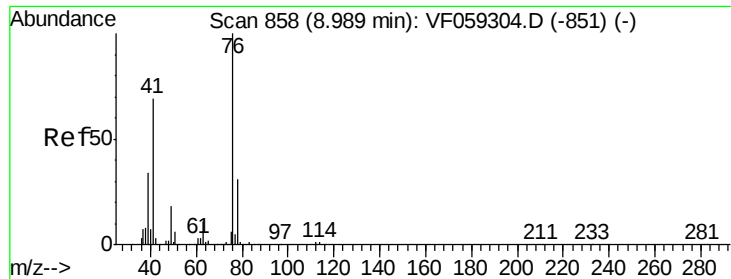


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

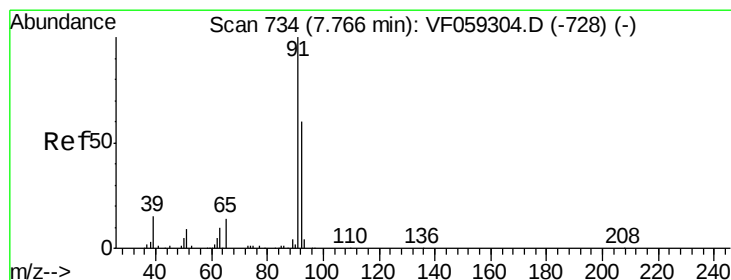
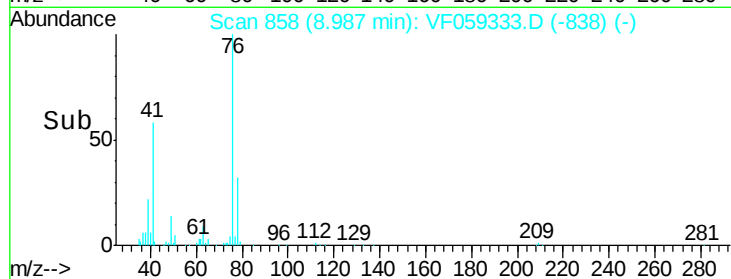
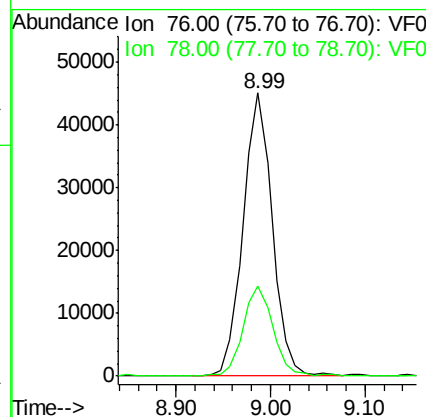
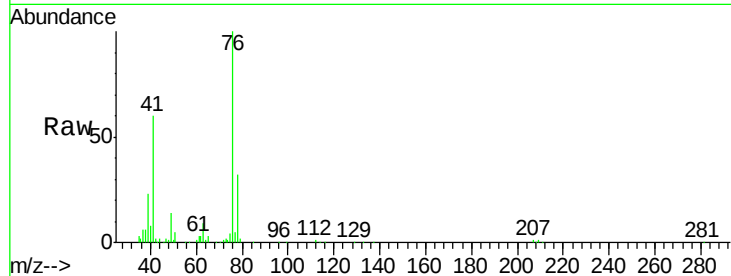




#57
 1,3-Dichloropropane
 Concen: 20.87 ug/l
 RT: 8.99 min Scan# 858
 Delta R.T. -0.00 min
 Lab File: VF059333.D
 Acq: 27 Jun 2018 12:34

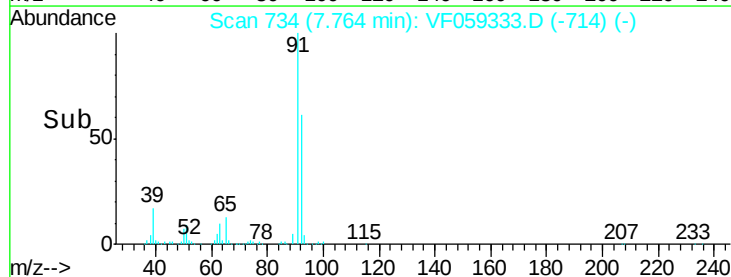
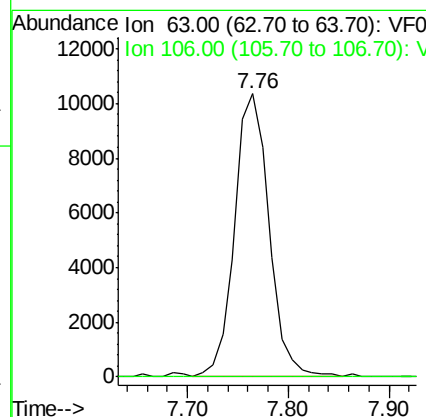
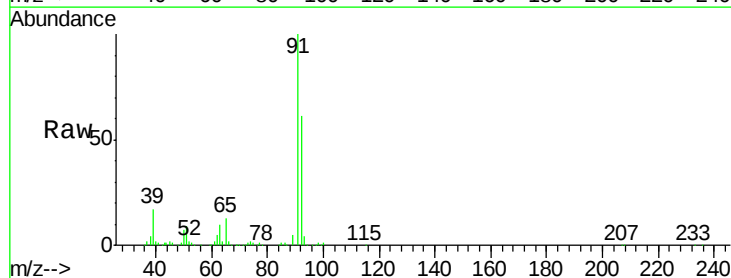
Instrument :
 MSVOA_F
 ClientSampleId :

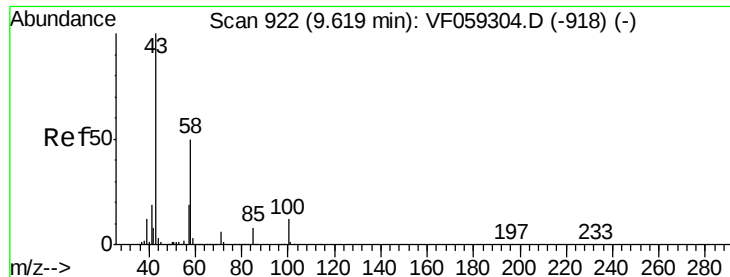
Tot Ion: 76 Resp: 96513
 Ion Ratio Lower Upper
 76 100
 78 32.0 24.9 37.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.44 ug/l
 RT: 7.76 min Scan# 734
 Delta R.T. -0.00 min
 Lab File: VF059333.D
 Acq: 27 Jun 2018 12:34

Tgt Ion: 63 Resp: 24656
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0

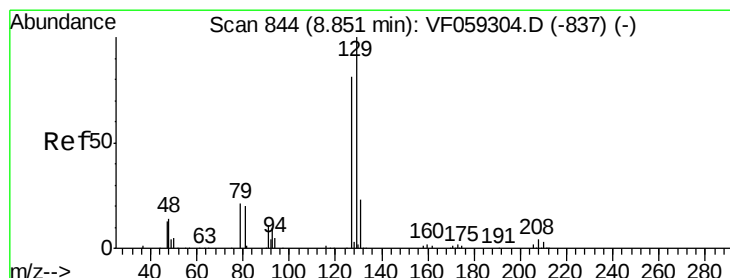
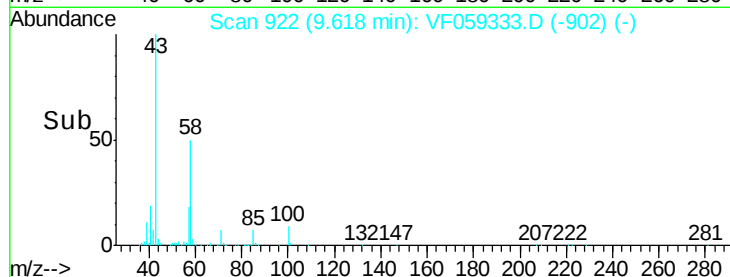
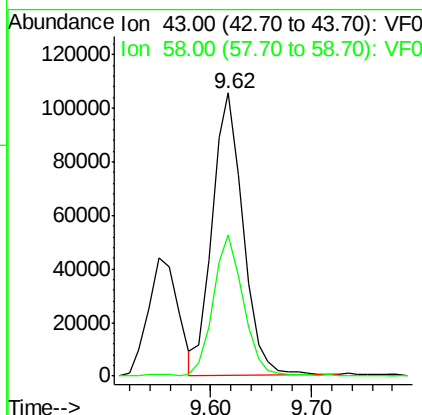
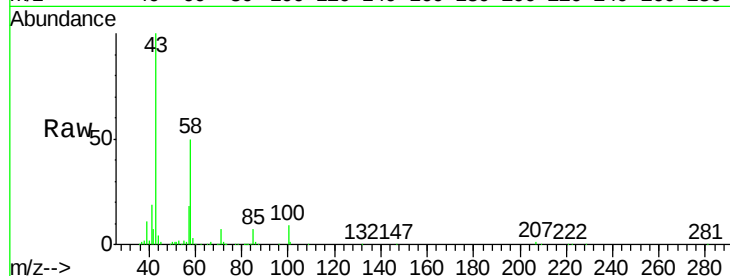




#59
2-Hexanone
Concen: 106.08 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.00 min
Lab File: VF059333.D
Acq: 27 Jun 2018 12:34

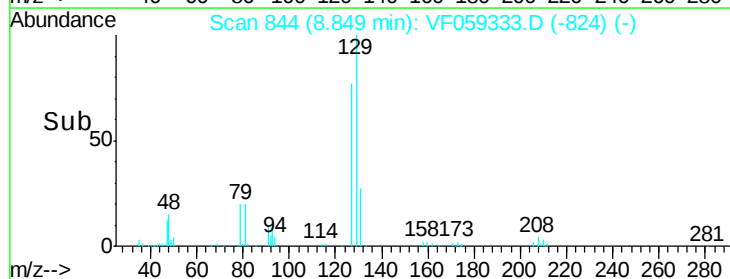
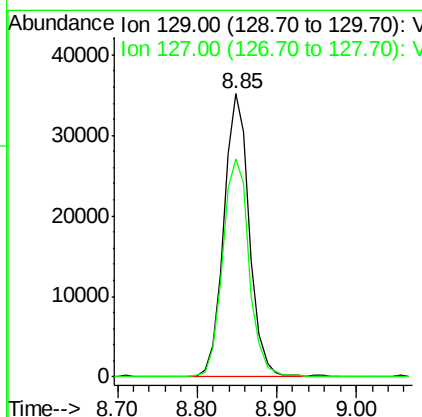
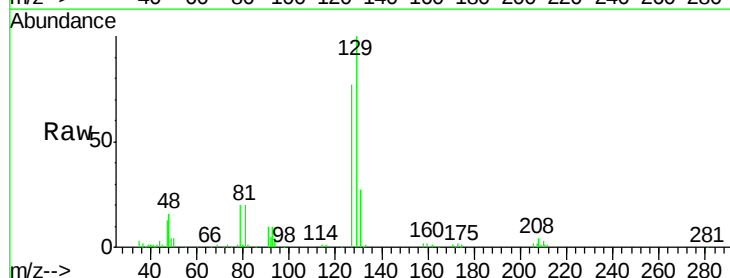
Instrument :
MSVOA_F
ClientSampled :

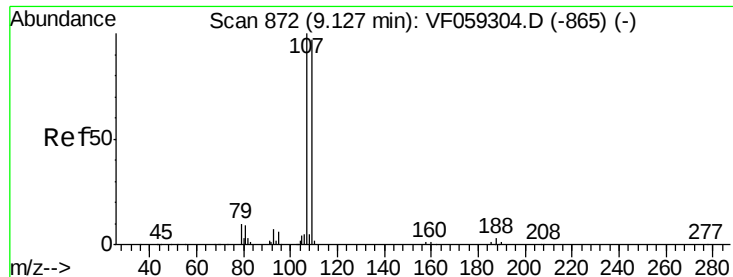
Tot Ion: 43 Resp: 224690
Ion Ratio Lower Upper
43 100
58 49.9 23.3 69.9



#60
Dibromochloromethane
Concen: 19.05 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.00 min
Lab File: VF059333.D
Acq: 27 Jun 2018 12:34

Tgt Ion: 129 Resp: 79305
Ion Ratio Lower Upper
129 100
127 77.2 40.7 122.1

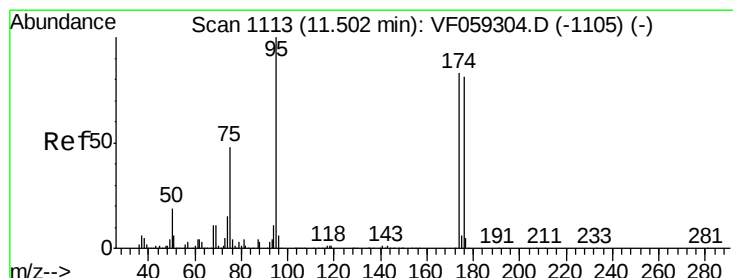
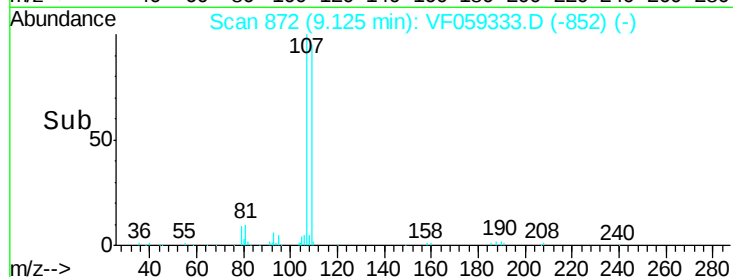
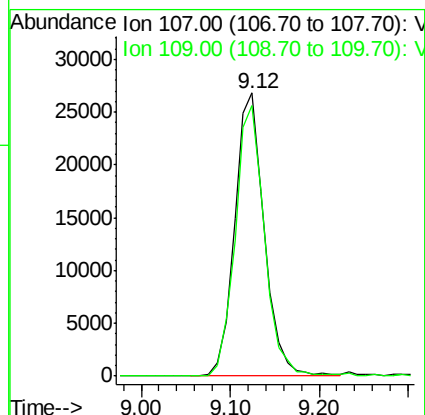
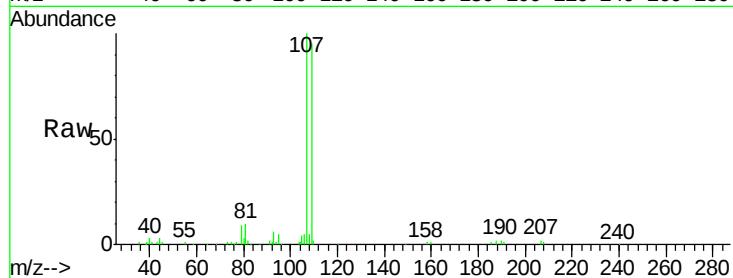




#61
 1,2-Dibromoethane
 Concen: 18.98 ug/l
 RT: 9.12 min Scan# 872
 Delta R.T. -0.00 min
 Lab File: VF059333.D
 Acq: 27 Jun 2018 12:34

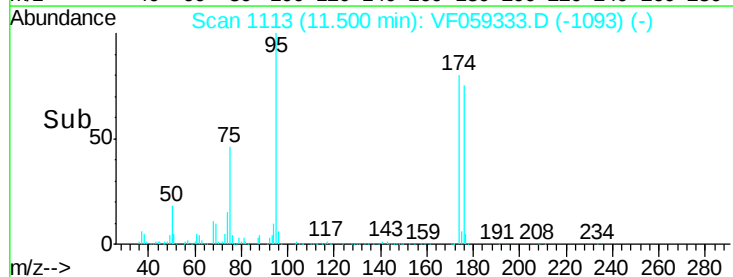
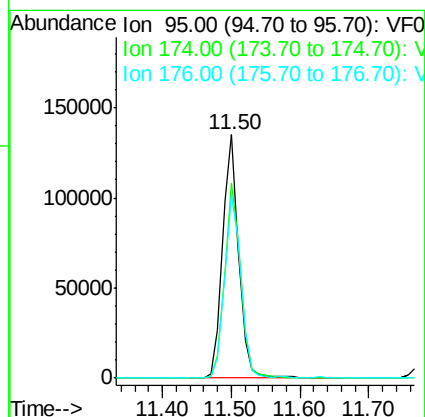
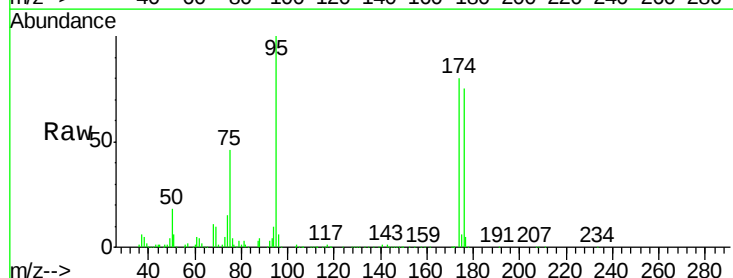
Instrument :
 MSVOA_F
 ClientSampleId :

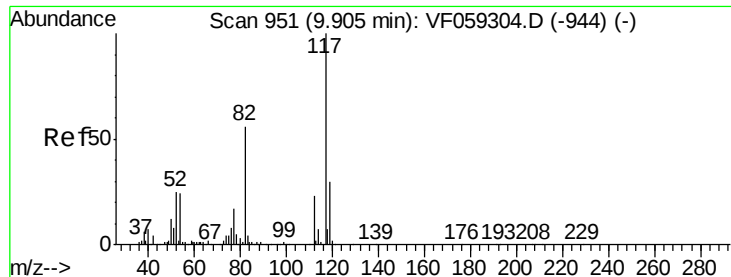
Tot Ion:107 Resp: 62056
 Ion Ratio Lower Upper
 107 100
 109 95.4 77.3 115.9



#62
 4-Bromofluorobenzene
 Concen: 44.88 ug/l
 RT: 11.50 min Scan# 1113
 Delta R.T. -0.00 min
 Lab File: VF059333.D
 Acq: 27 Jun 2018 12:34

Tgt Ion: 95 Resp: 219407
 Ion Ratio Lower Upper
 95 100
 174 80.3 0.0 165.2
 176 75.4 0.0 161.0

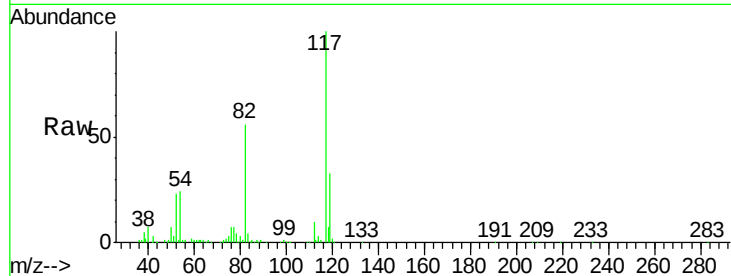




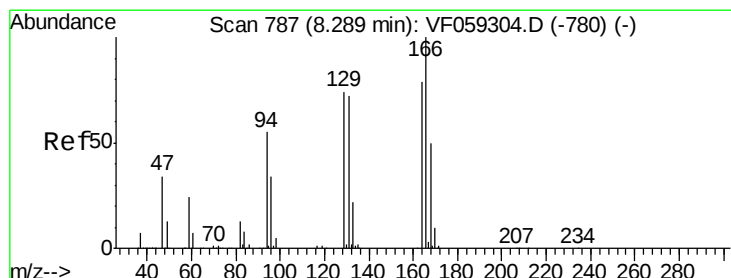
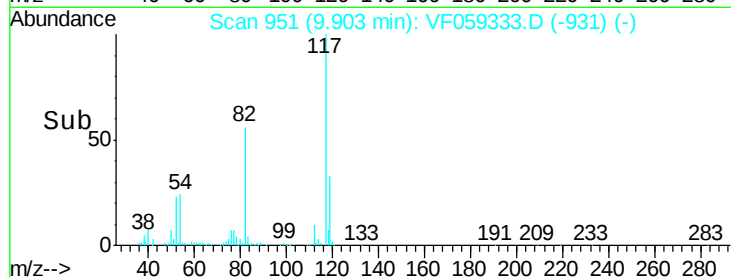
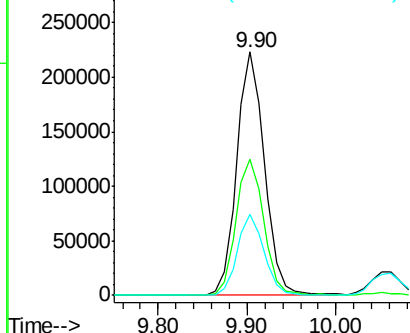
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.90 min Scan# 951
Delta R.T. -0.00 min
Lab File: VF059333.D
Acq: 27 Jun 2018 12:34

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:117 Resp: 483838
Ion Ratio Lower Upper
117 100
82 55.9 44.6 66.8
119 33.1 24.1 36.1

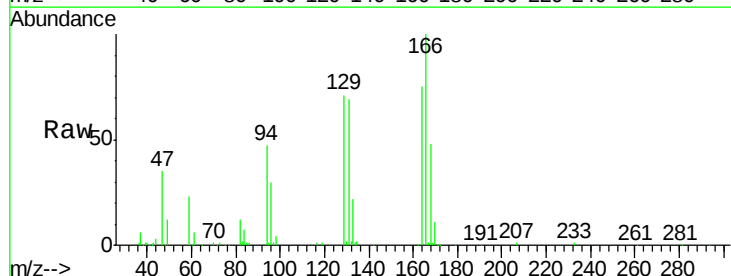


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

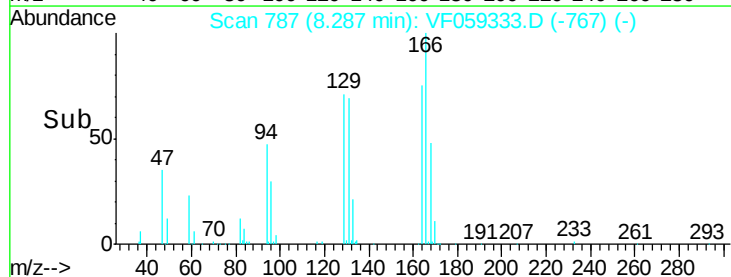
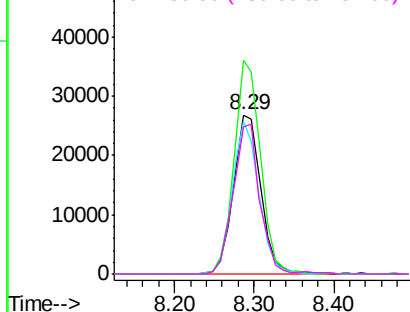


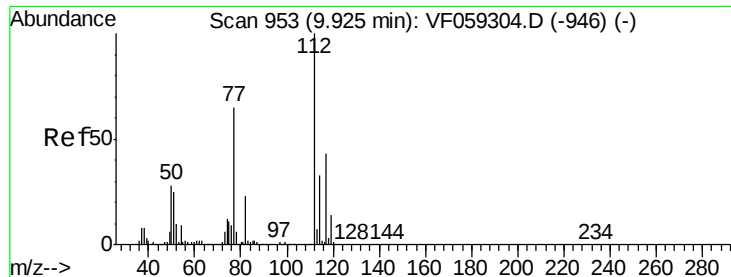
#64
Tetrachloroethene
Concen: 20.60 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.00 min
Lab File: VF059333.D
Acq: 27 Jun 2018 12:34

Tgt Ion:164 Resp: 64656
Ion Ratio Lower Upper
164 100
166 134.2 101.1 151.7
129 95.4 75.0 112.4
131 92.2 73.3 109.9



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 20.33 ug/l

RT: 9.92 min Scan# 953

Delta R.T. -0.00 min

Lab File: VF059333.D

Acq: 27 Jun 2018 12:34

Instrument :

MSVOA_F

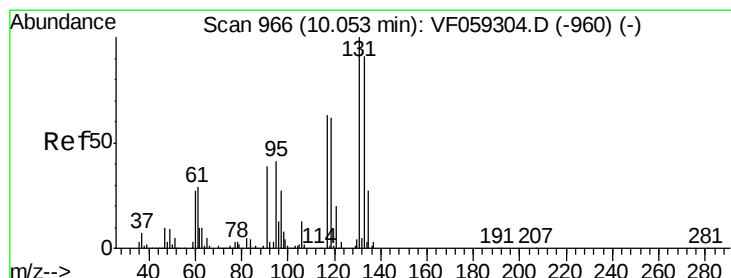
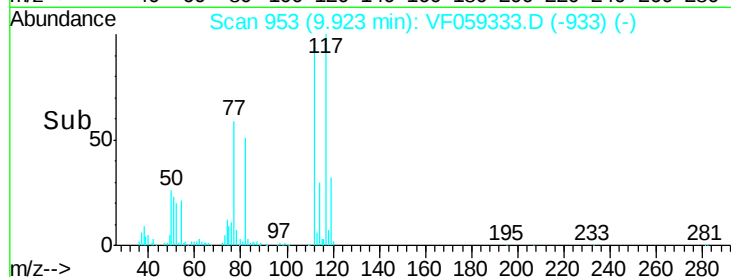
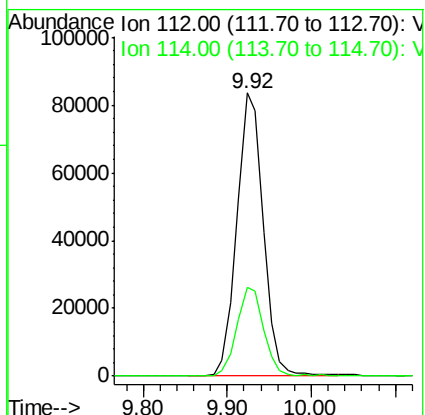
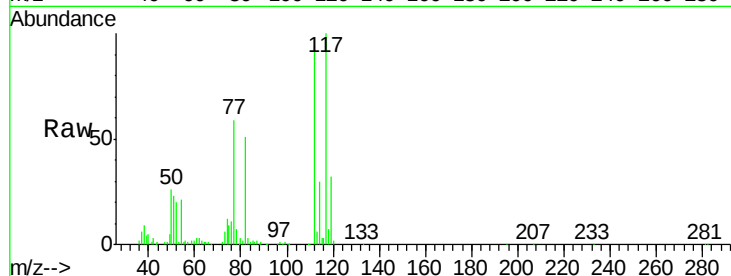
ClientSampleId :

Tot Ion:112 Resp: 182281

Ion Ratio Lower Upper

112 100

114 31.3 26.5 39.7



#66

1,1,1,2-Tetrachloroethane

Concen: 18.82 ug/l

RT: 10.06 min Scan# 967

Delta R.T. 0.01 min

Lab File: VF059333.D

Acq: 27 Jun 2018 12:34

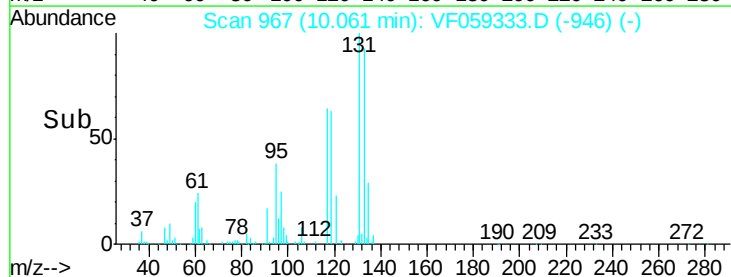
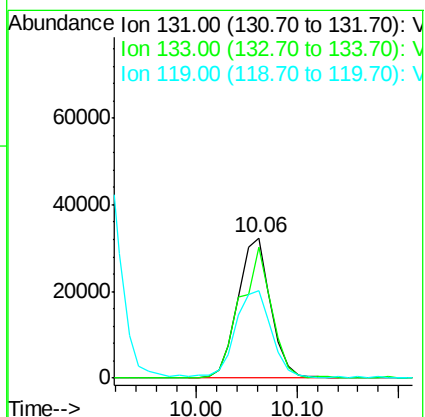
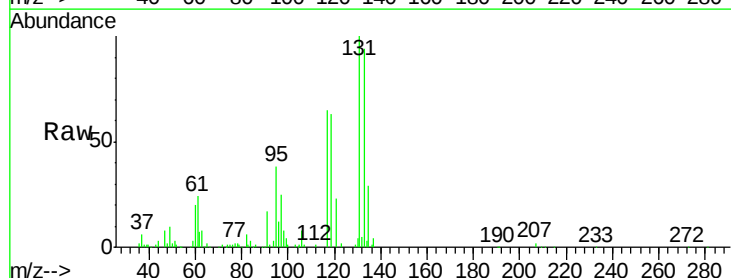
Tgt Ion:131 Resp: 72991

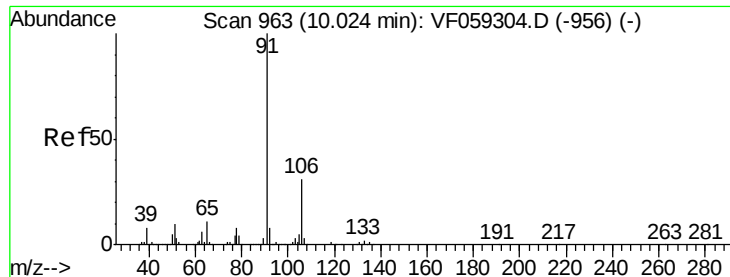
Ion Ratio Lower Upper

131 100

133 93.8 45.3 135.9

119 62.5 31.3 93.9





#67

Ethyl Benzene

Concen: 19.62 ug/l

RT: 10.02 min Scan# 963

Delta R.T. -0.00 min

Lab File: VF059333.D

Acq: 27 Jun 2018 12:34

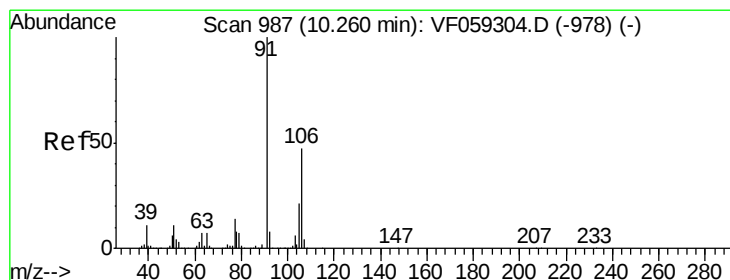
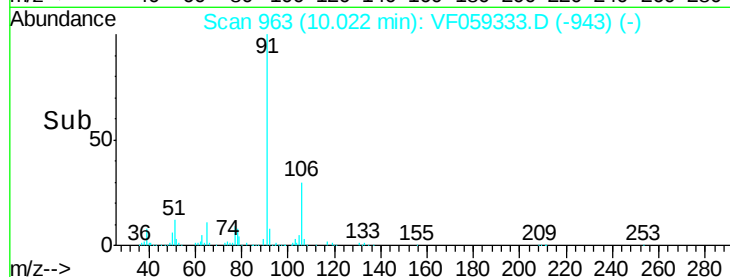
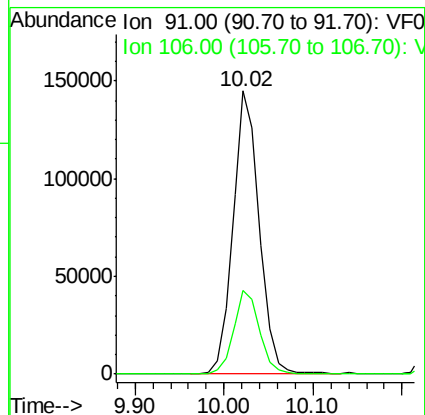
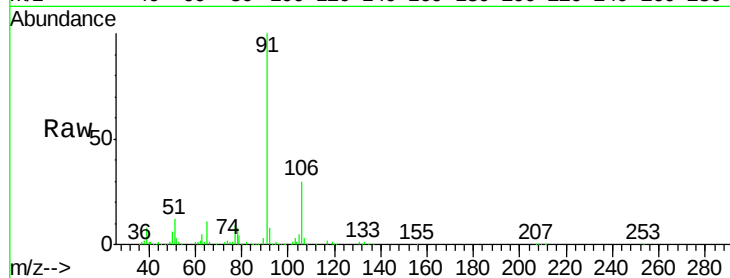
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 91 Resp: 298483

Ion Ratio Lower Upper

91 100

106 29.8 24.8 37.2



#68

m/p-Xylenes

Concen: 41.21 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.00 min

Lab File: VF059333.D

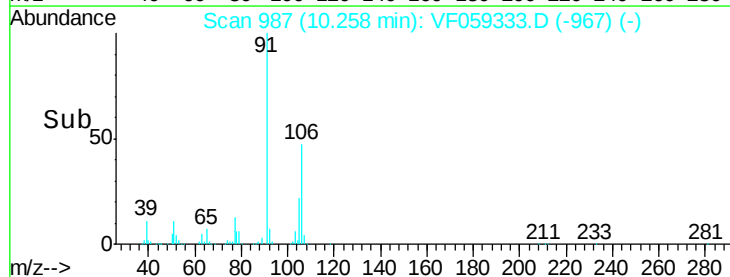
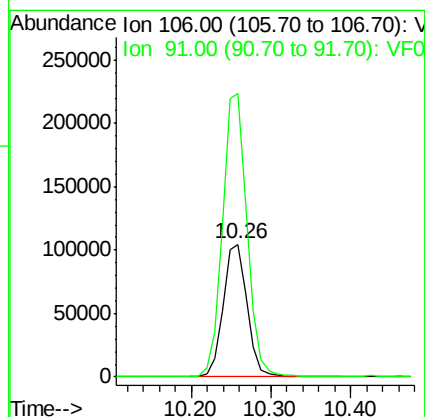
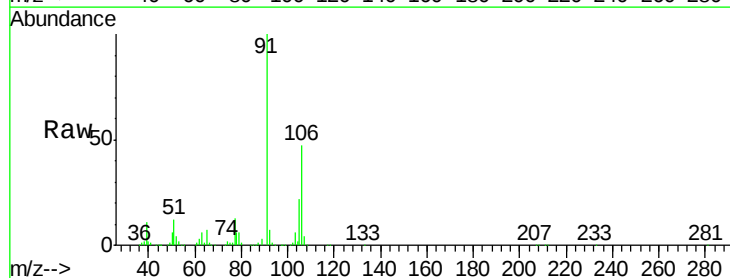
Acq: 27 Jun 2018 12:34

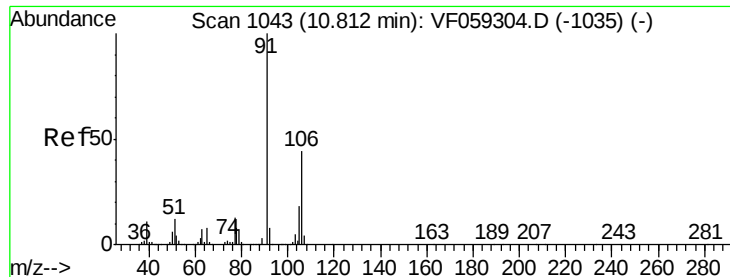
Tgt Ion: 106 Resp: 223089

Ion Ratio Lower Upper

106 100

91 213.2 170.8 256.2

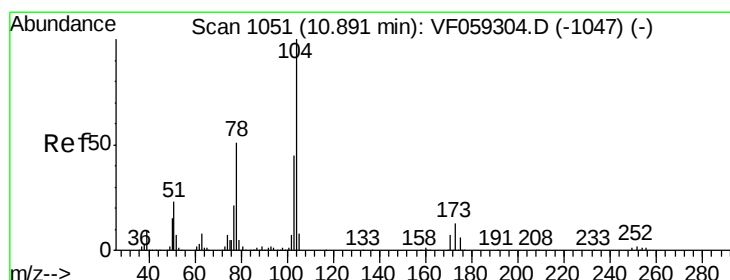
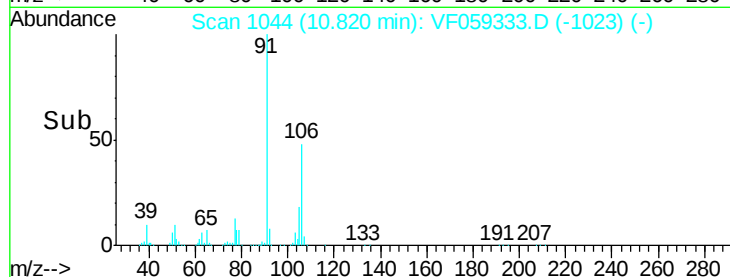
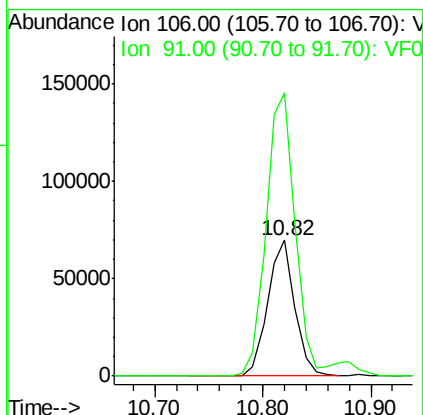
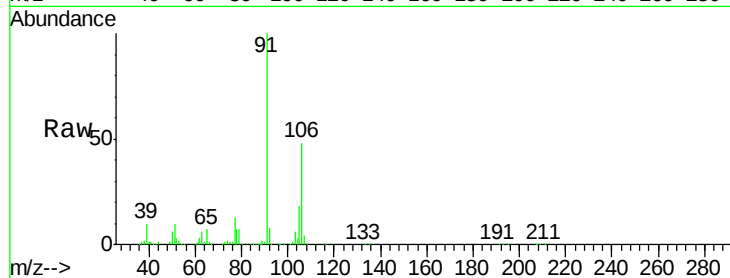




#69
o-Xylene
Concen: 20.29 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VF059333.D
Acq: 27 Jun 2018 12:34

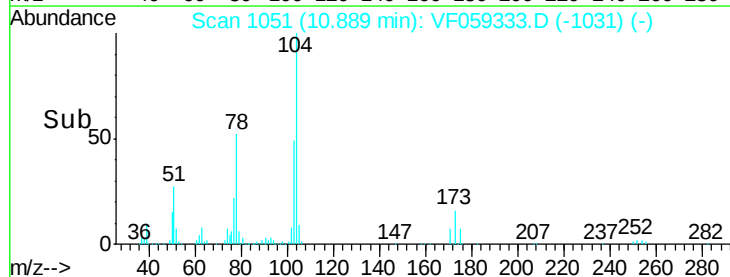
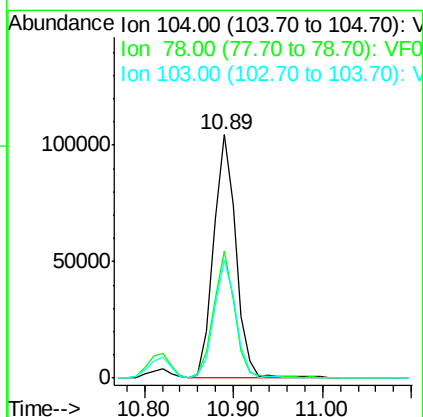
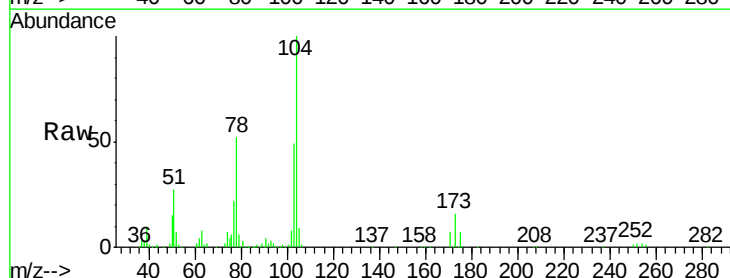
Instrument :
MSVOA_F
ClientSampled :

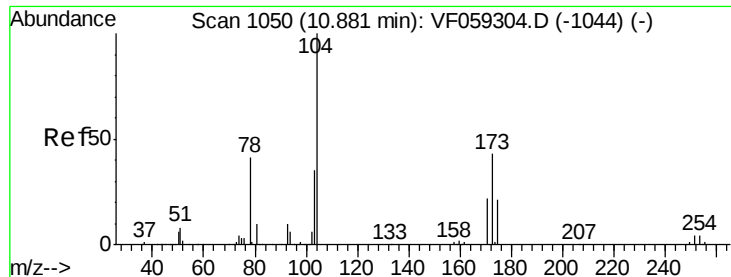
Tot Ion:106 Resp: 122887
Ion Ratio Lower Upper
106 100
91 208.1 114.6 343.6



#70
Styrene
Concen: 19.73 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF059333.D
Acq: 27 Jun 2018 12:34

Tgt Ion:104 Resp: 182029
Ion Ratio Lower Upper
104 100
78 52.1 40.9 61.3
103 48.6 36.5 54.7





#71

Bromoform

Concen: 19.31 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VF059333.D

Acq: 27 Jun 2018 12:34

Instrument :

MSVOA_F

ClientSampleId :

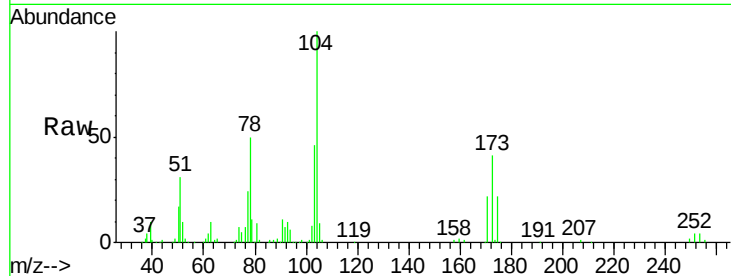
Tot Ion:173 Resp: 51335

Ion Ratio Lower Upper

173 100

175 52.6 24.8 74.3

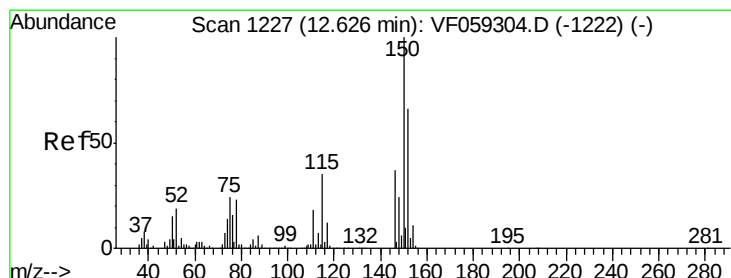
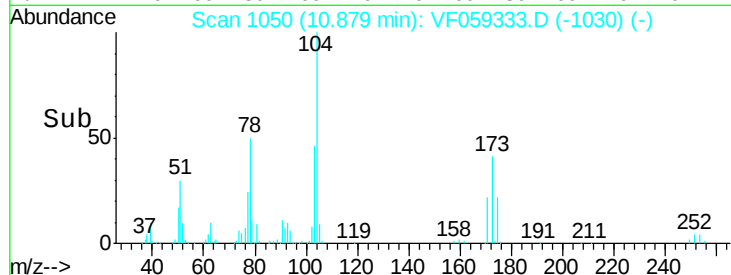
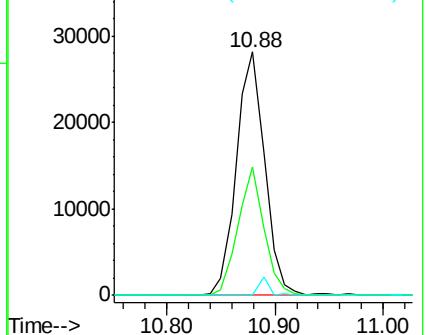
254 0.0 0.0 0.0



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: 50.00 ug/l

RT: 12.62 min Scan# 1227

Delta R.T. -0.00 min

Lab File: VF059333.D

Acq: 27 Jun 2018 12:34

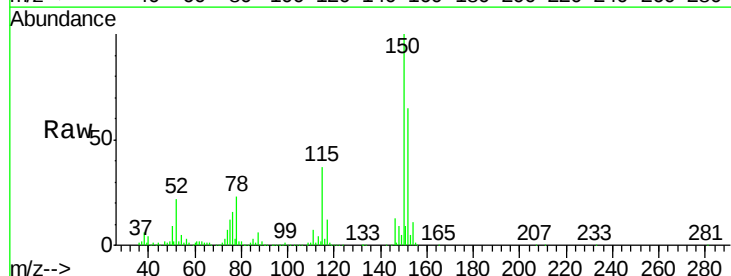
Tgt Ion:152 Resp: 285909

Ion Ratio Lower Upper

152 100

115 57.3 27.1 81.3

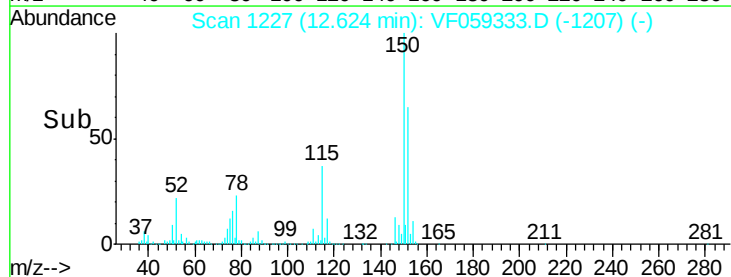
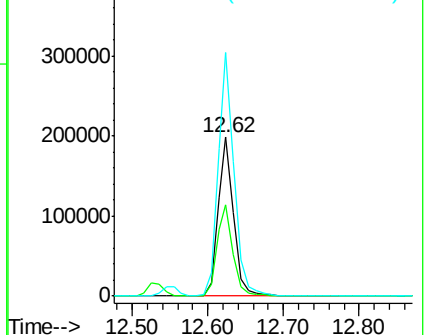
150 153.2 0.0 305.2

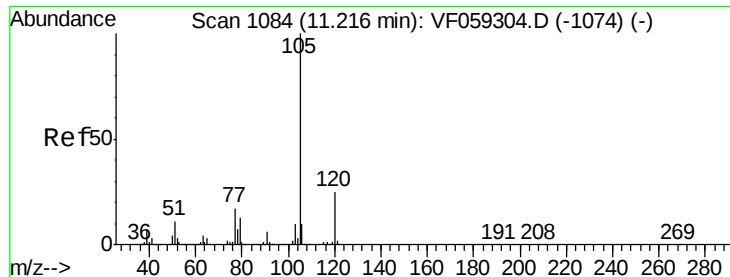


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 21.72 ug/l

RT: 11.21 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VF059333.D

Acq: 27 Jun 2018 12:34

Instrument :

MSVOA_F

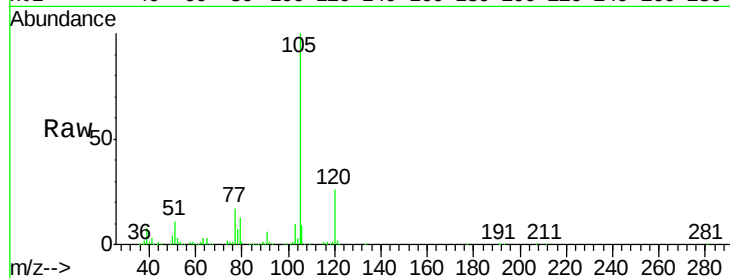
ClientSampleId :

Tot Ion:105 Resp: 361751

Ion Ratio Lower Upper

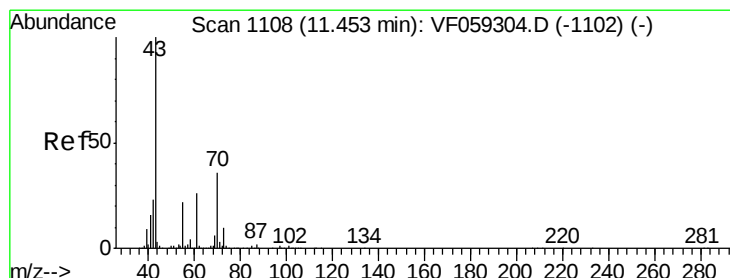
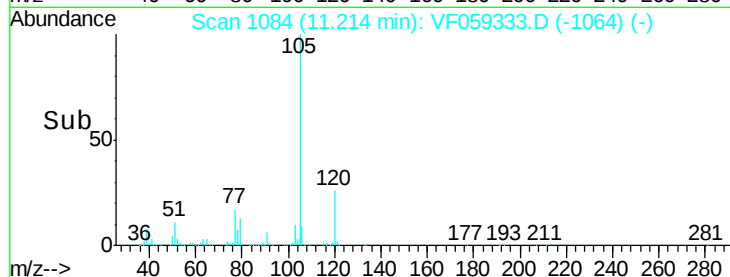
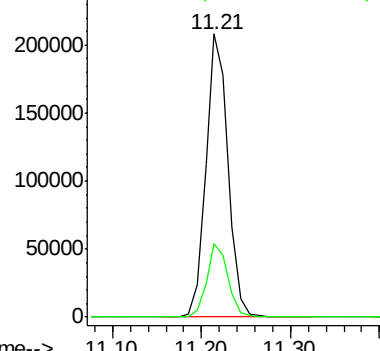
105 100

120 25.9 12.3 36.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.65 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF059333.D

Acq: 27 Jun 2018 12:34

Tgt Ion: 43 Resp: 124794

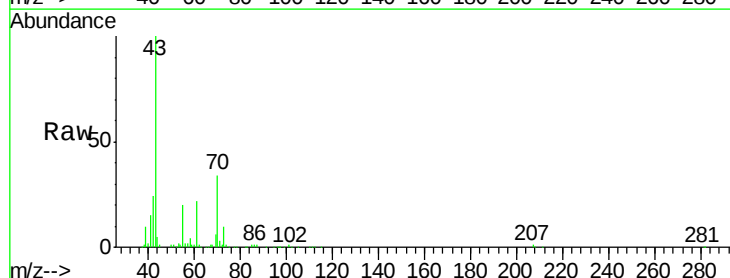
Ion Ratio Lower Upper

43 100

70 33.5 28.8 43.2

55 20.0 17.4 26.0

61 22.4 21.1 31.7

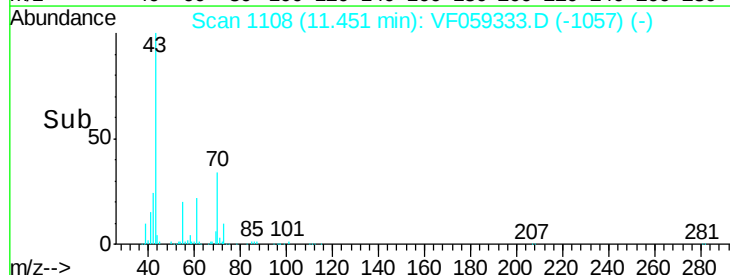
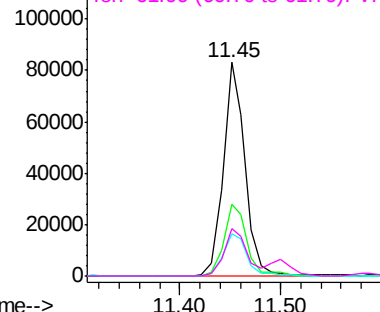


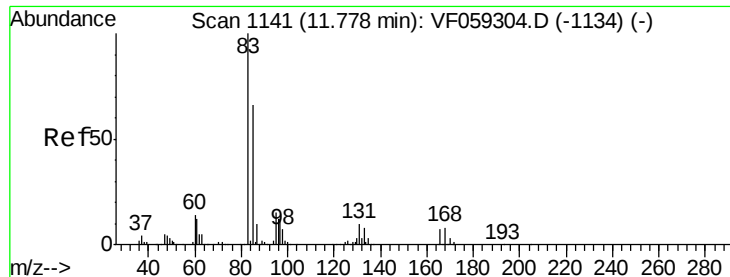
Abundance Ion 43.00 (42.70 to 43.70): VF0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 20.80 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF059333.D

Acq: 27 Jun 2018 12:34

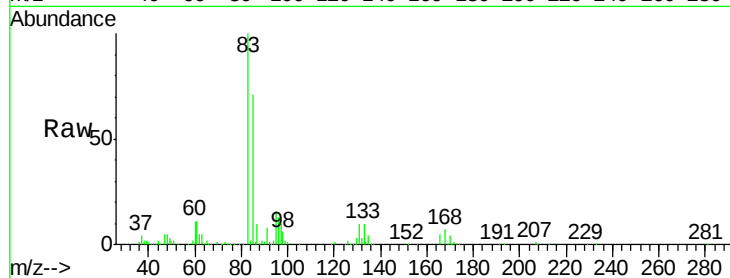
Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 83 Resp: 87510

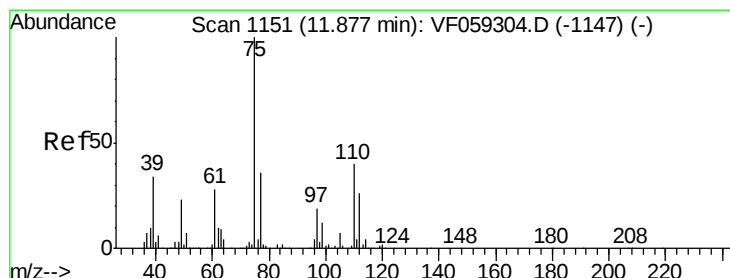
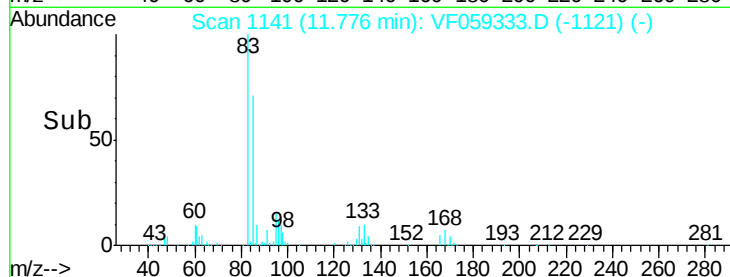
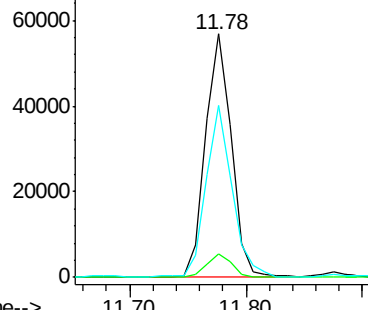
Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.9	14.6
85	70.5	32.8	98.4



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: 19.88 ug/l

RT: 11.87 min Scan# 1151

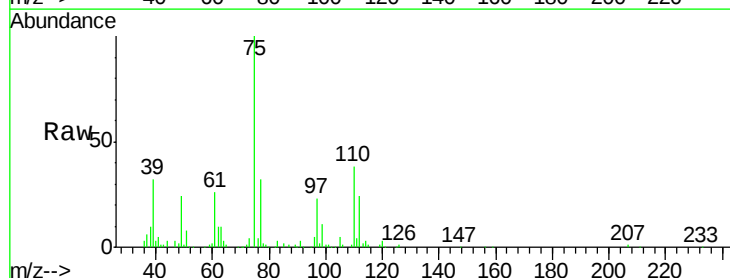
Delta R.T. -0.00 min

Lab File: VF059333.D

Acq: 27 Jun 2018 12:34

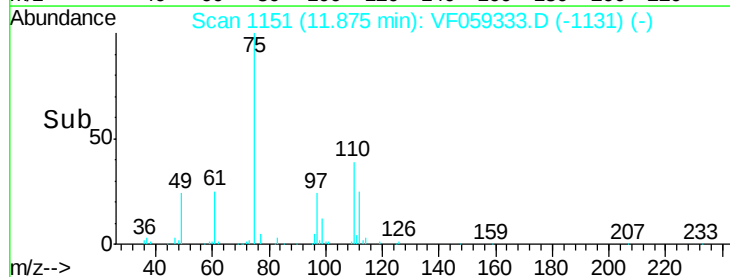
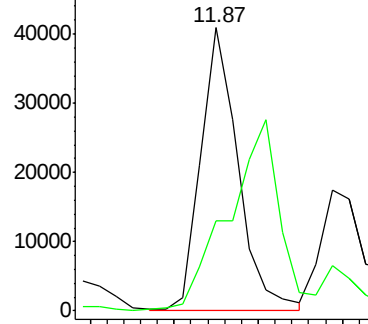
Tgt Ion: 75 Resp: 63082

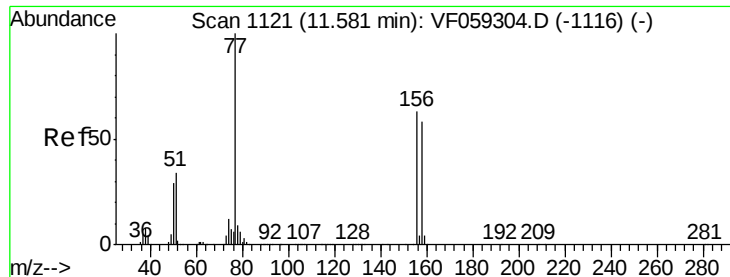
Ion	Ratio	Lower	Upper
75	100		
77	32.0	18.0	54.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 20.38 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF059333.D

Acq: 27 Jun 2018 12:34

Instrument :

MSVOA_F

ClientSampleId :

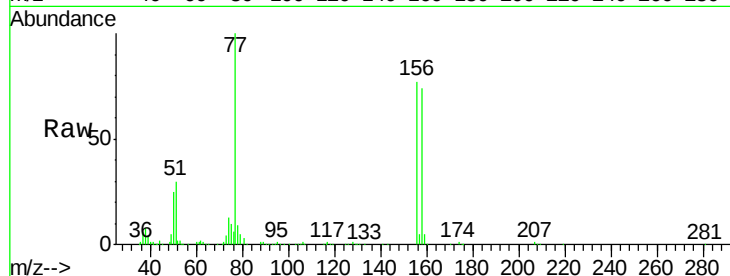
Tot Ion:156 Resp: 94202

Ion Ratio Lower Upper

156 100

77 129.3 79.7 238.9

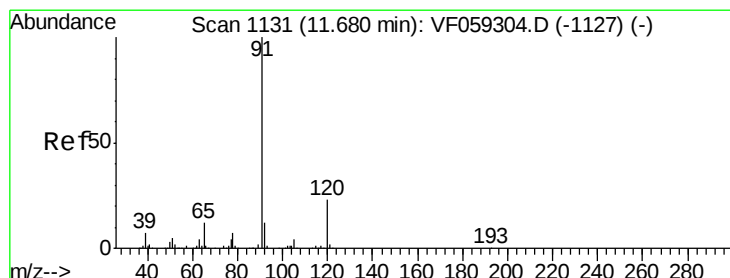
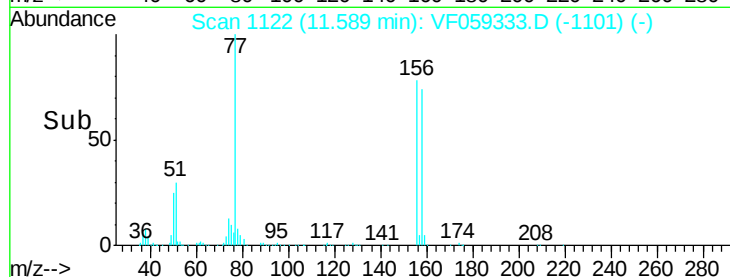
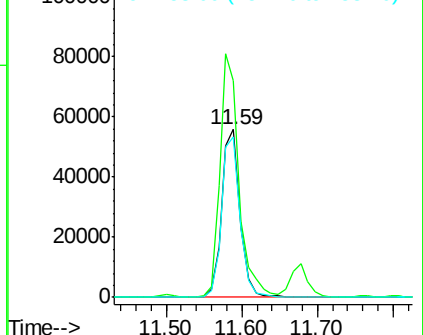
158 95.5 46.2 138.6



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: 19.43 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF059333.D

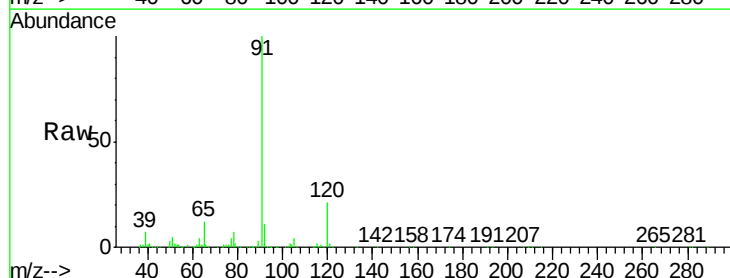
Acq: 27 Jun 2018 12:34

Tgt Ion: 91 Resp: 388597

Ion Ratio Lower Upper

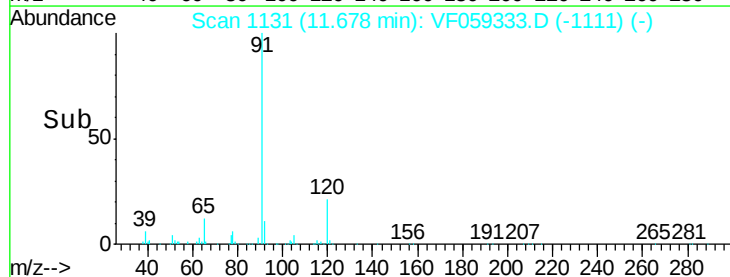
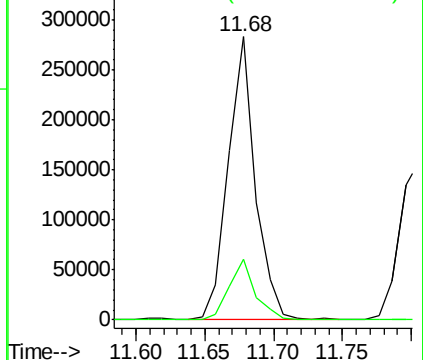
91 100

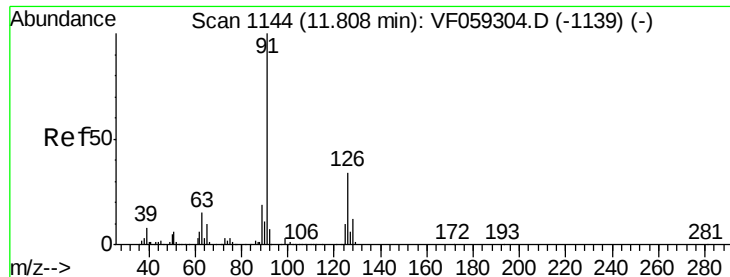
120 21.5 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.44 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VF059333.D

Acq: 27 Jun 2018 12:34

Instrument :

MSVOA_F

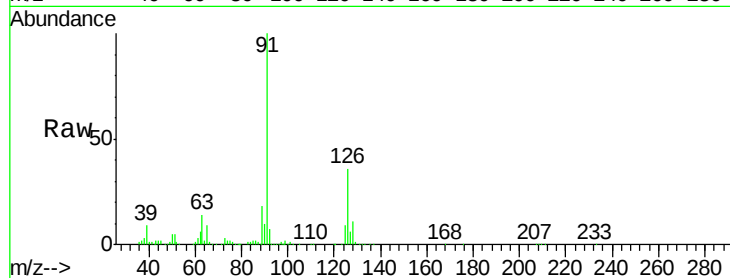
ClientSampleId :

Tot Ion: 91 Resp: 249835

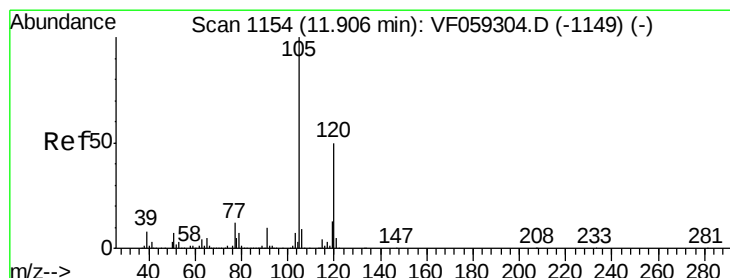
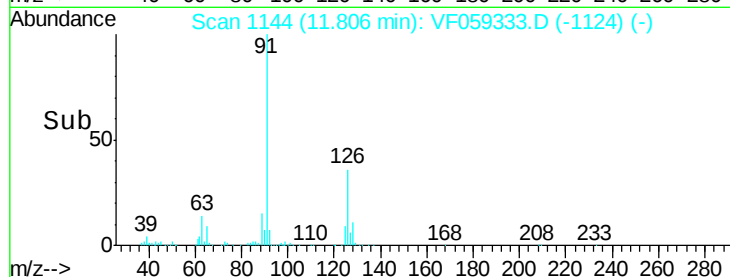
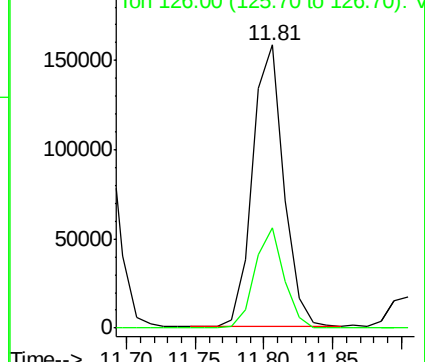
Ion Ratio Lower Upper

91 100

126 35.5 17.2 51.5



Abundance Ion 91.00 (90.70 to 91.70): VF0



#80

1,3,5-Trimethylbenzene

Concen: 20.38 ug/l

RT: 11.90 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VF059333.D

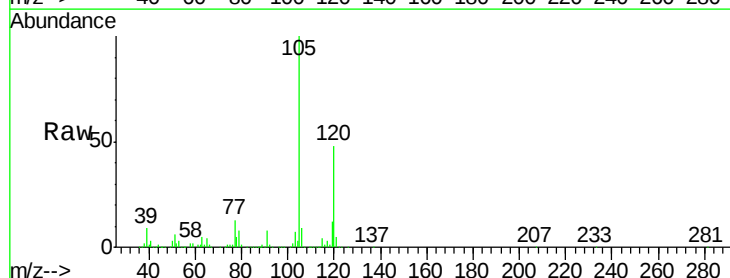
Acq: 27 Jun 2018 12:34

Tgt Ion:105 Resp: 297414

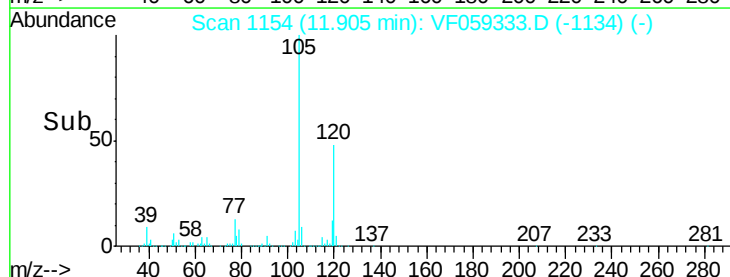
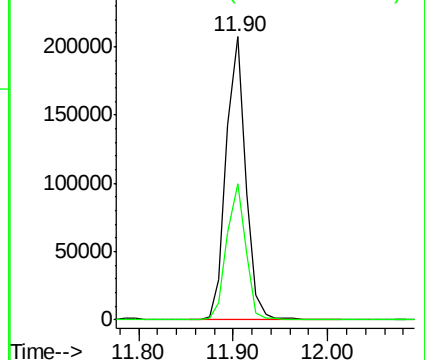
Ion Ratio Lower Upper

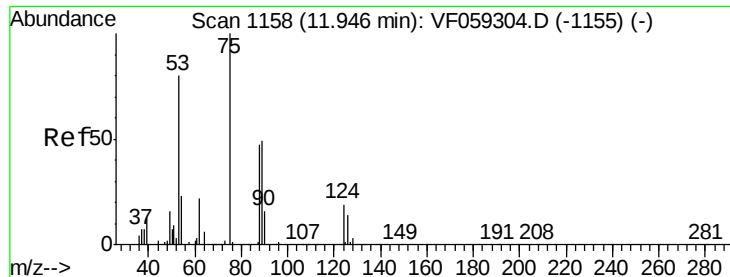
105 100

120 48.3 24.9 74.7



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.01 ug/l

RT: 11.94 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF059333.D

Acq: 27 Jun 2018 12:34

Instrument :

MSVOA_F

ClientSampleId :

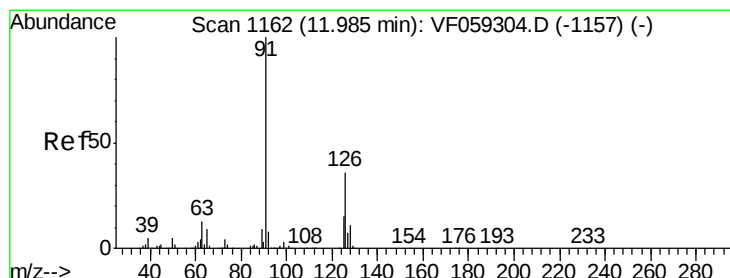
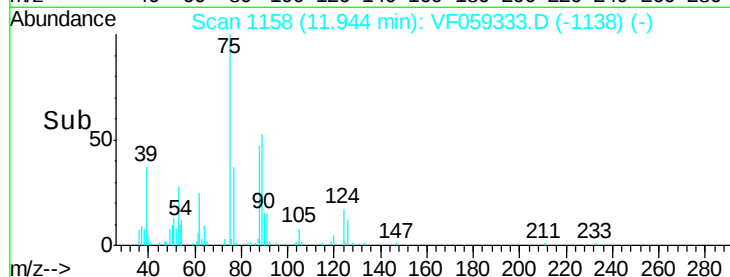
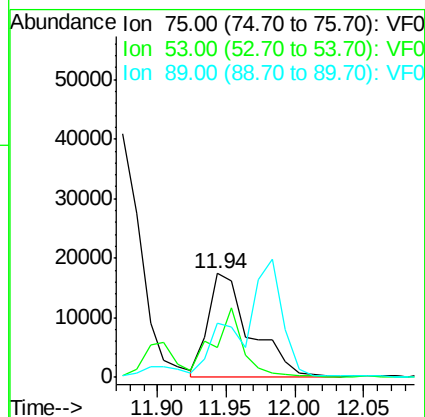
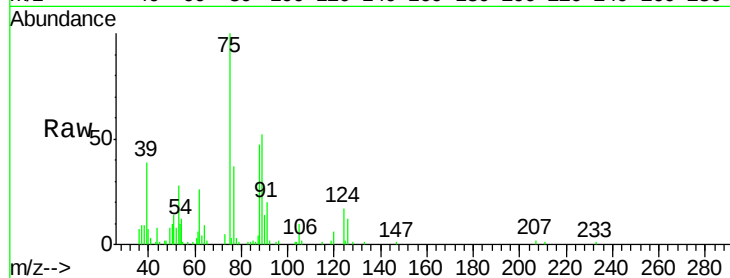
Tot Ion: 75 Resp: 37796

Ion Ratio Lower Upper

75 100

53 38.3 68.8 103.2#

89 51.6 42.0 63.0



#82

4-Chlorotoluene

Concen: 21.59 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. -0.00 min

Lab File: VF059333.D

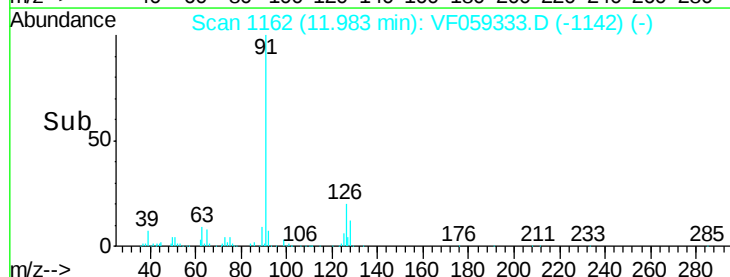
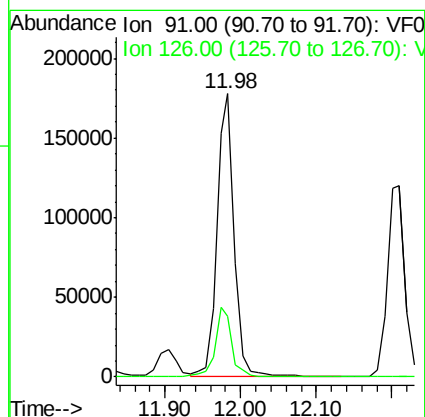
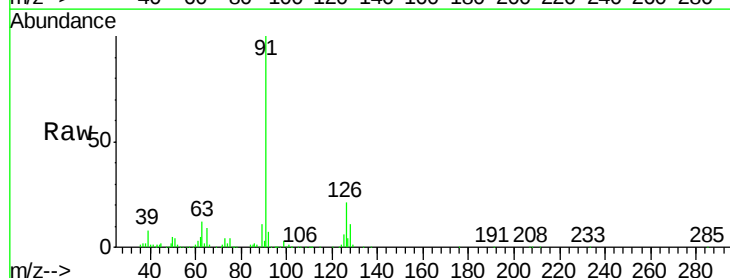
Acq: 27 Jun 2018 12:34

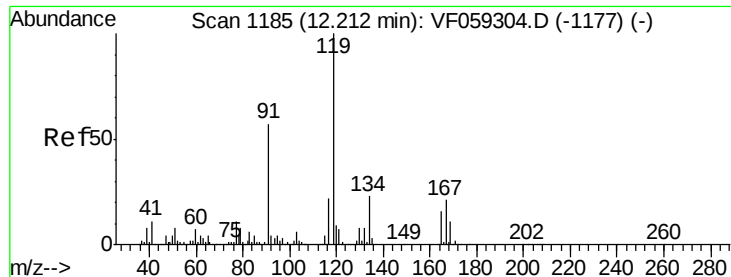
Tgt Ion: 91 Resp: 282600

Ion Ratio Lower Upper

91 100

126 21.3 18.2 54.6





#83

tert-Butylbenzene

Concen: 21.88 ug/l

RT: 12.21 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VF059333.D

Acq: 27 Jun 2018 12:34

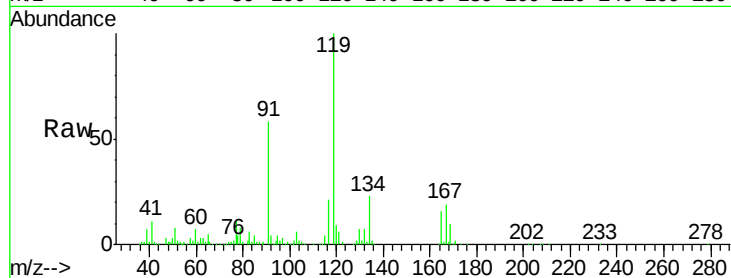
Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:119 Resp: 319338

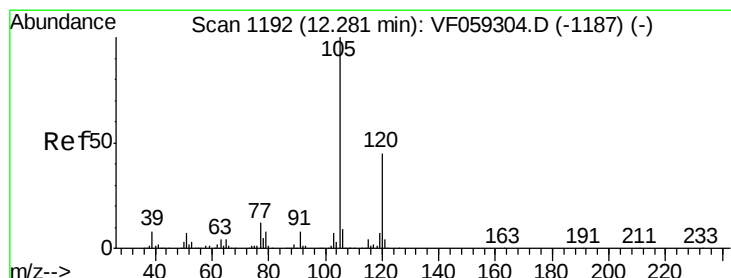
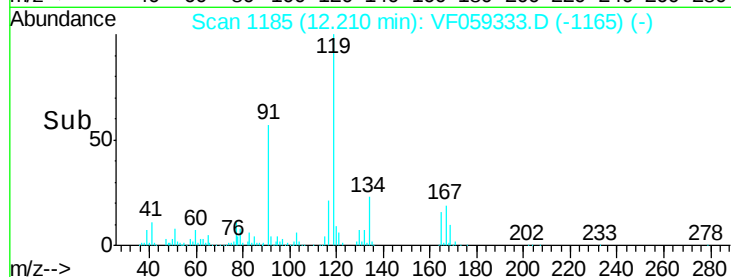
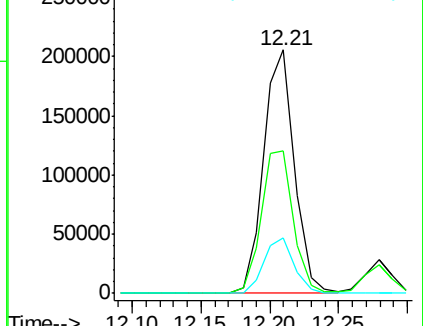
Ion	Ratio	Lower	Upper
119	100		
91	58.5	28.4	85.2
134	22.6	11.7	35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.65 ug/l

RT: 12.28 min Scan# 1192

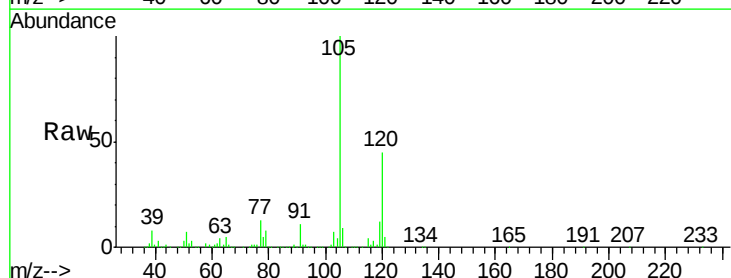
Delta R.T. -0.00 min

Lab File: VF059333.D

Acq: 27 Jun 2018 12:34

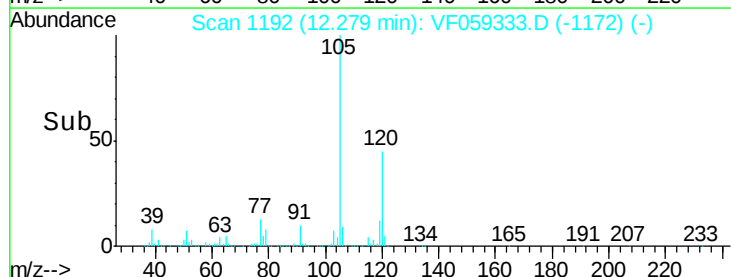
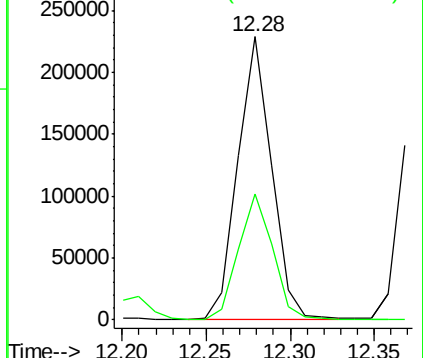
Tgt Ion:105 Resp: 317327

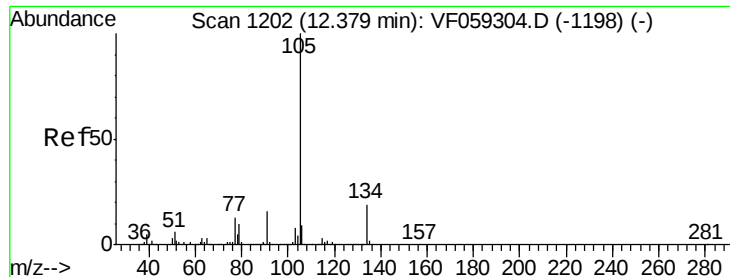
Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.8	68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.41 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VF059333.D

Acq: 27 Jun 2018 12:34

Instrument :

MSVOA_F

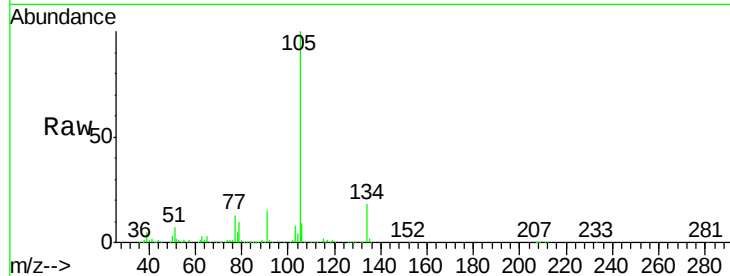
ClientSampleId :

Tot Ion:105 Resp: 414193

Ion Ratio Lower Upper

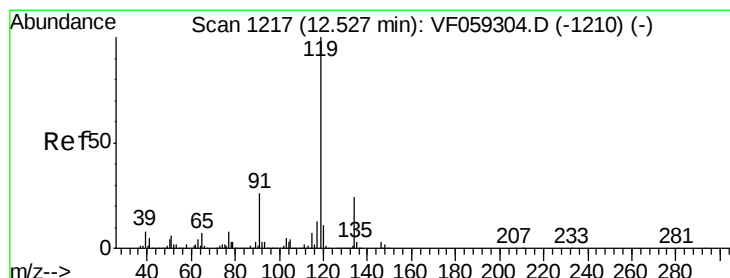
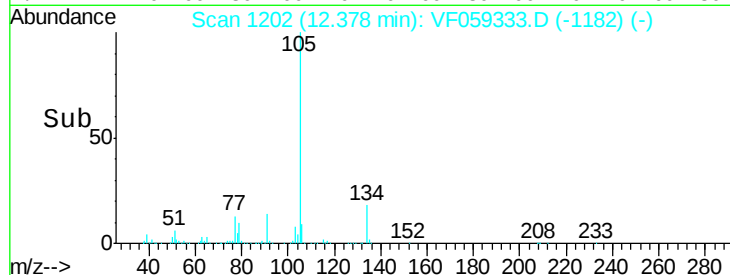
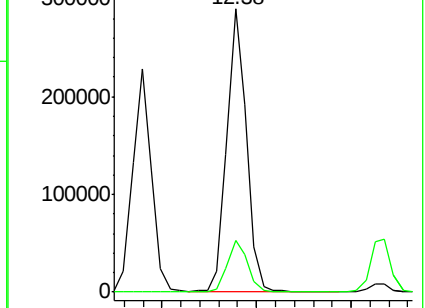
105 100

134 18.4 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: 21.12 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VF059333.D

Acq: 27 Jun 2018 12:34

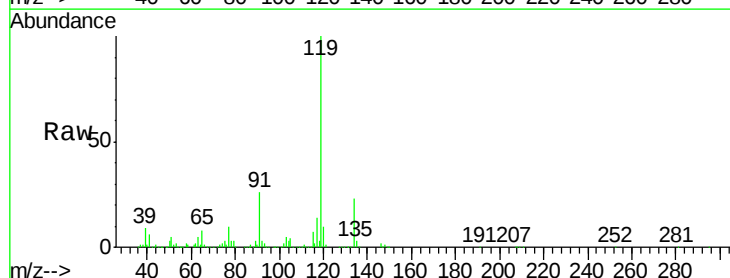
Tgt Ion:119 Resp: 342830

Ion Ratio Lower Upper

119 100

134 23.0 12.2 36.4

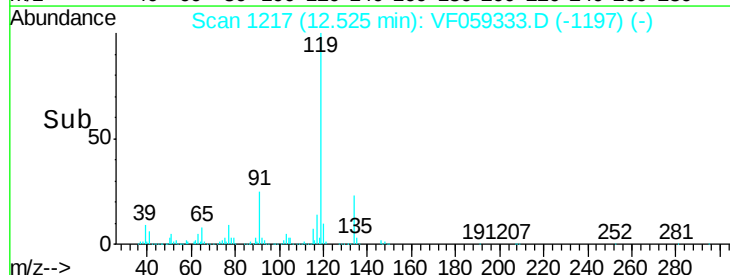
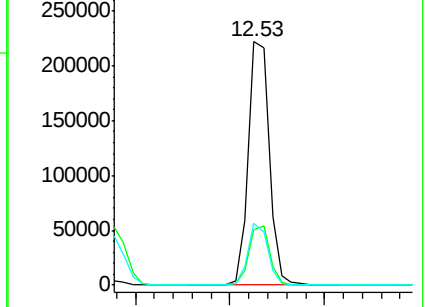
91 25.6 12.9 38.6

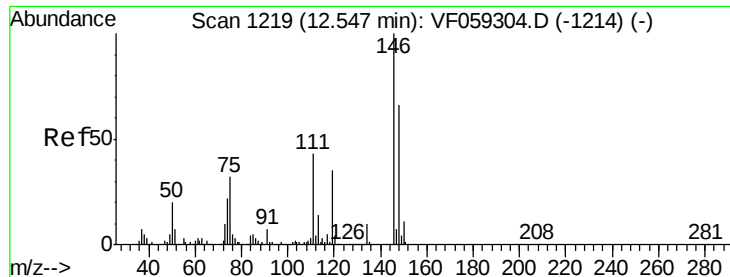


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.25 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VF059333.D

Acq: 27 Jun 2018 12:34

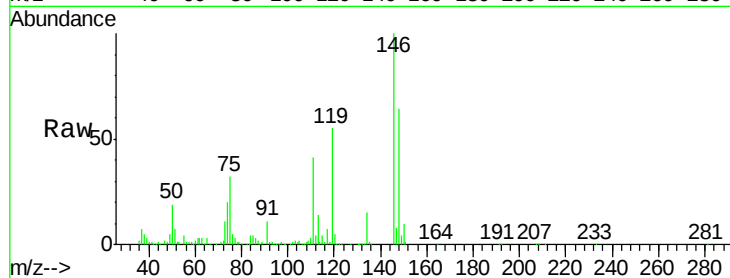
Instrument :

MSVOA_F

ClientSampled :

Tot Ion:146 Resp: 175369

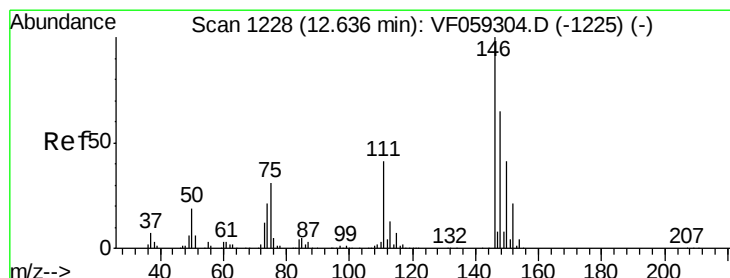
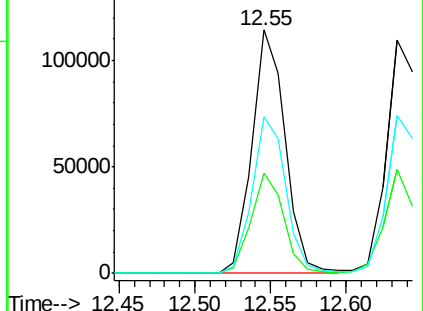
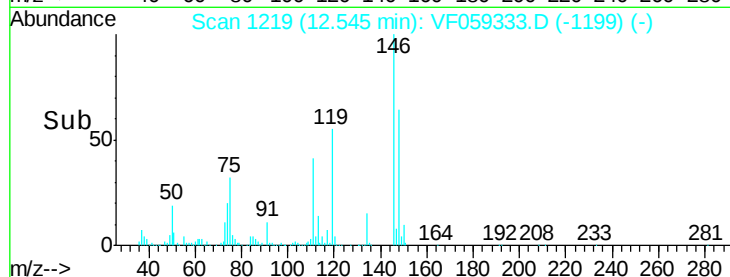
Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.4	64.2
148	64.4	32.8	98.4



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



#88

1,4-Dichlorobenzene

Concen: 20.80 ug/l

RT: 12.63 min Scan# 1228

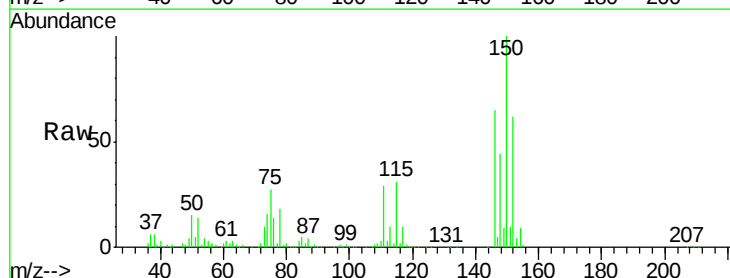
Delta R.T. -0.00 min

Lab File: VF059333.D

Acq: 27 Jun 2018 12:34

Tgt Ion:146 Resp: 171686

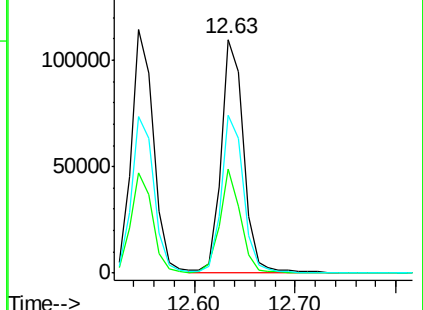
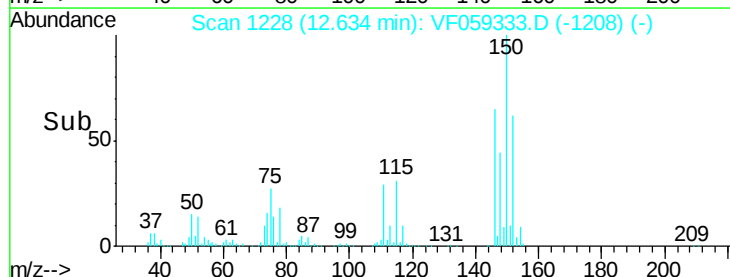
Ion	Ratio	Lower	Upper
146	100		
111	44.8	20.7	62.1
148	67.3	32.8	98.3

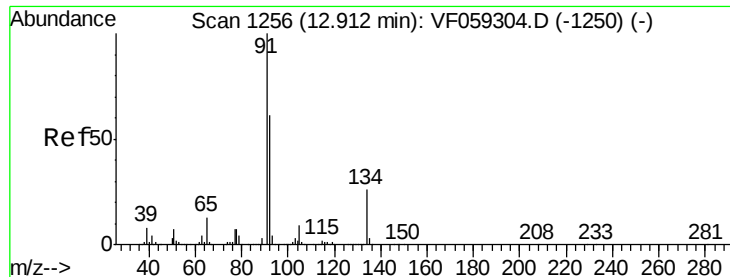


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 22.06 ug/l

RT: 12.91 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VF059333.D

Acq: 27 Jun 2018 12:34

Instrument :

MSVOA_F

ClientSampleId :

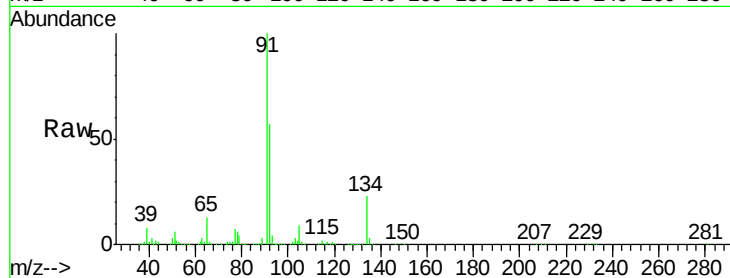
Tot Ion: 91 Resp: 363479

Ion Ratio Lower Upper

91 100

92 56.7 30.3 91.0

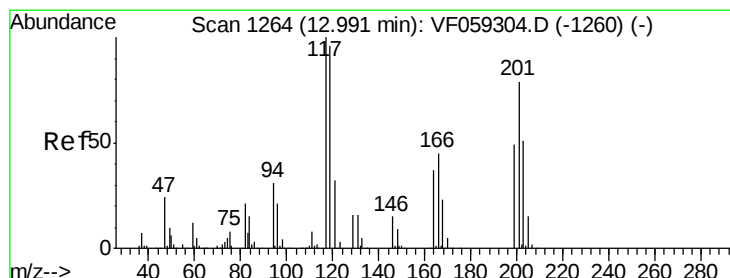
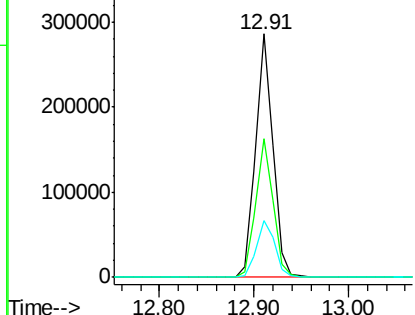
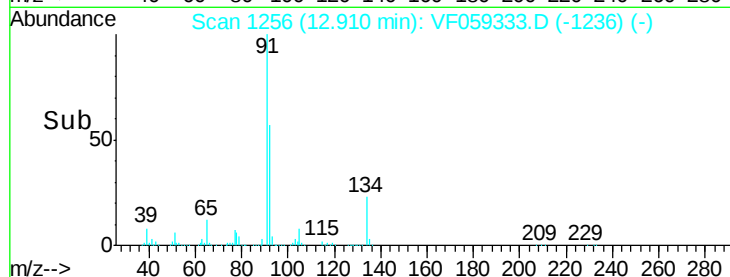
134 23.1 12.9 38.7



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: 20.47 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VF059333.D

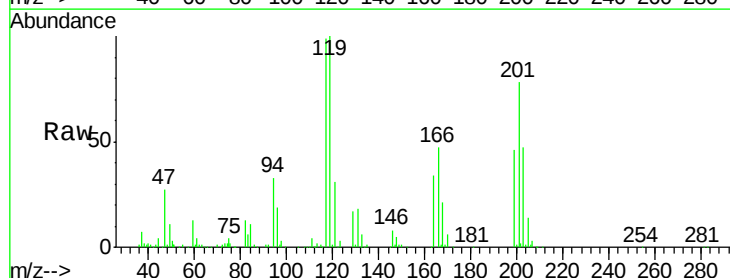
Acq: 27 Jun 2018 12:34

Tgt Ion: 117 Resp: 82829

Ion Ratio Lower Upper

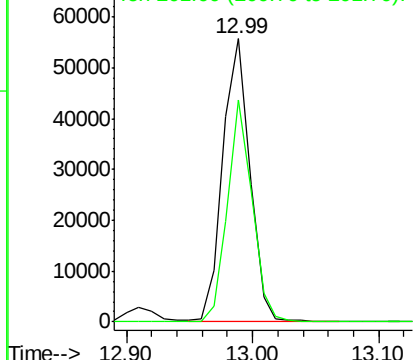
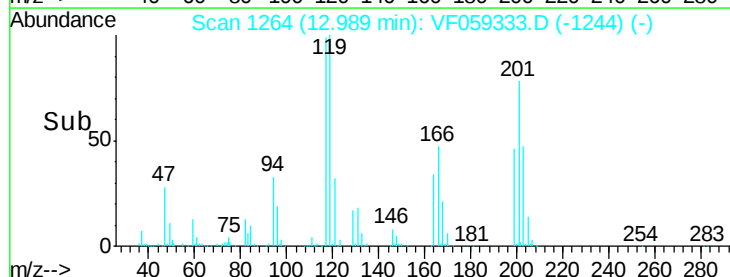
117 100

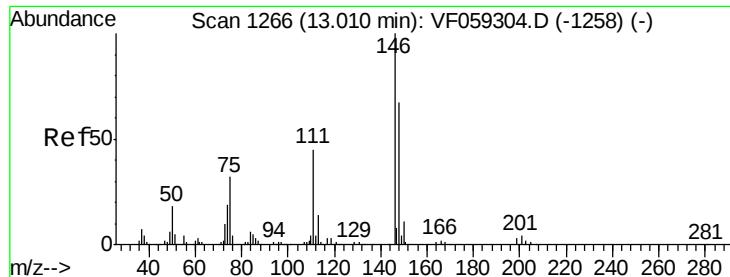
201 78.3 39.5 118.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: 20.71 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VF059333.D

Acq: 27 Jun 2018 12:34

Instrument :

MSVOA_F

ClientSampled :

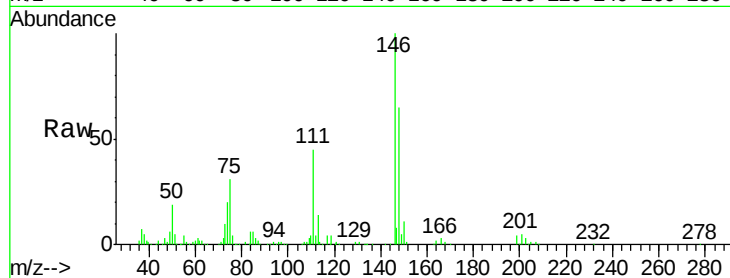
Tot Ion:146 Resp: 173770

Ion Ratio Lower Upper

146 100

111 45.5 22.7 68.0

148 65.2 33.5 100.4

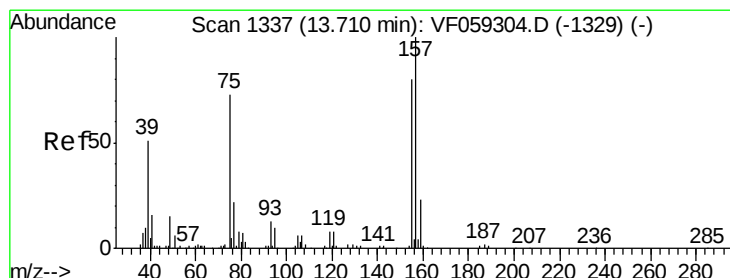
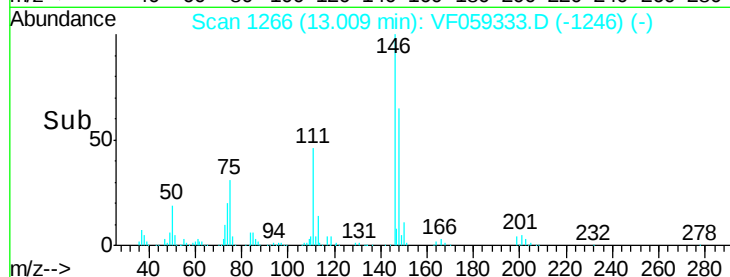
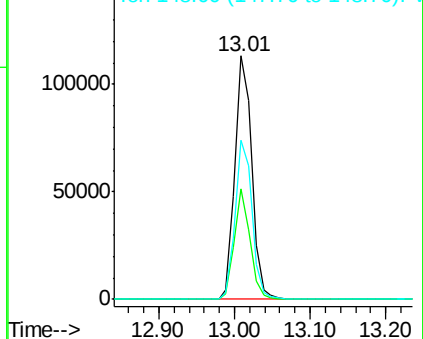


Abundance

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: 16.39 ug/l

RT: 13.71 min Scan# 1337

Delta R.T. -0.00 min

Lab File: VF059333.D

Acq: 27 Jun 2018 12:34

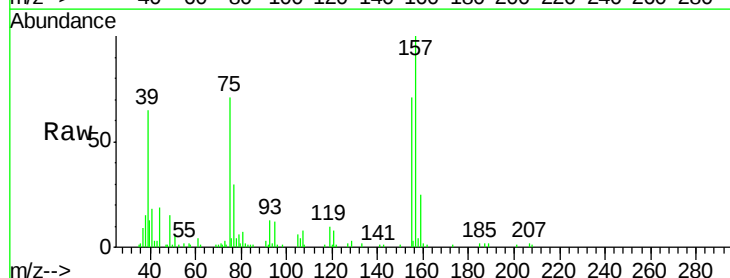
Tgt Ion: 75 Resp: 15287

Ion Ratio Lower Upper

75 100

155 99.2 54.6 163.8

157 140.3 68.7 205.9

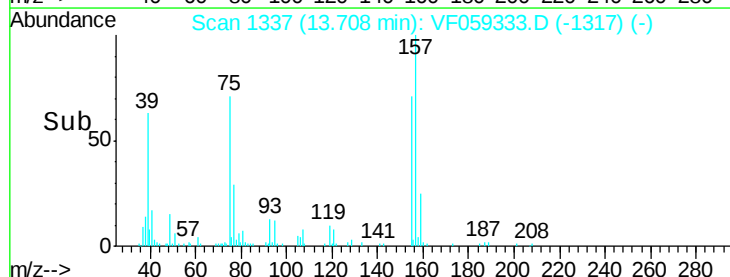
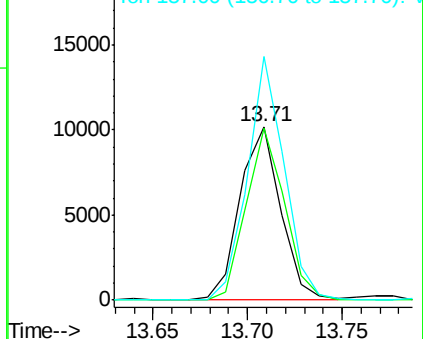


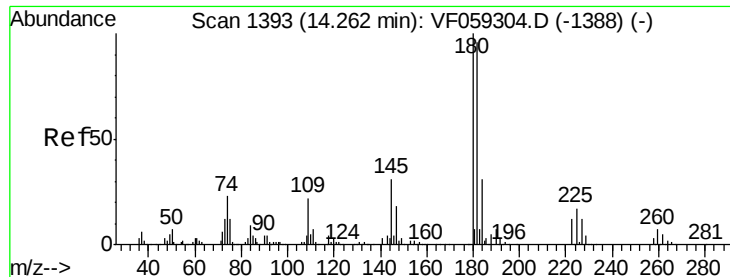
Abundance

Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

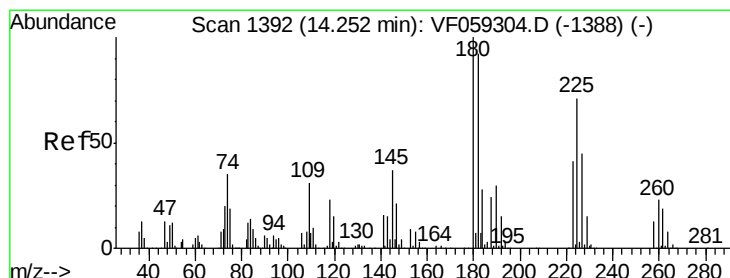
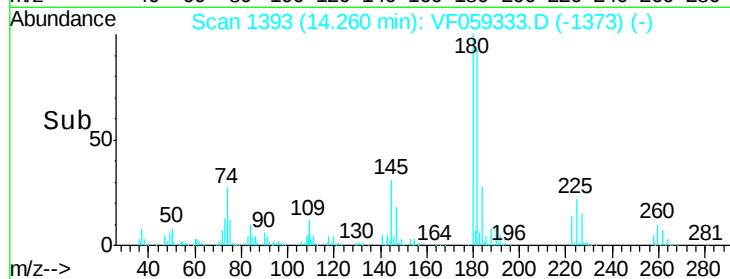
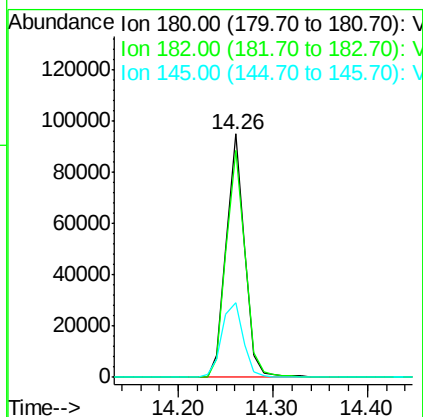
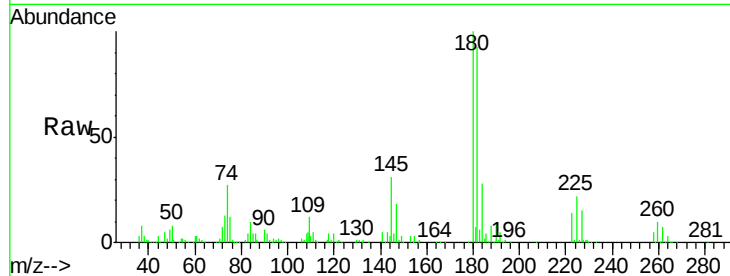




#93
 1,2,4-Trichlorobenzene
 Concen: 20.77 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: VF059333.D
 Acq: 27 Jun 2018 12:34

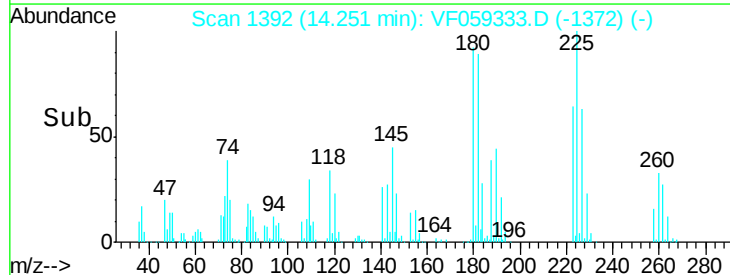
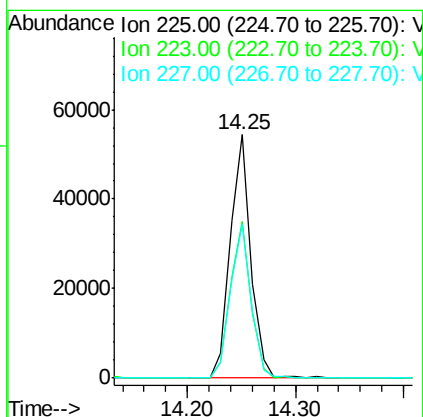
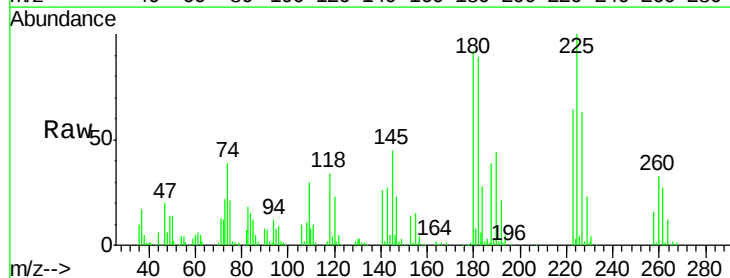
Instrument :
 MSVOA_F
 ClientSampleId :

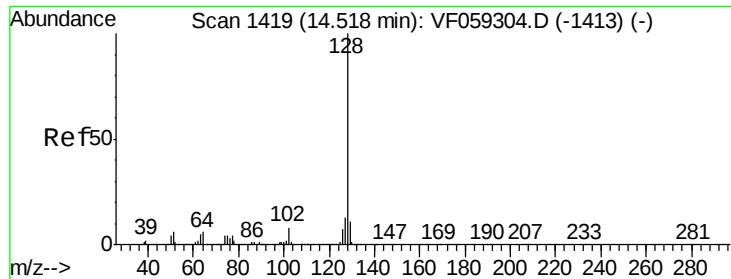
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.3	48.1	144.3
145	30.5	15.3	45.8



#94
 Hexachlorobutadiene
 Concen: 20.72 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VF059333.D
 Acq: 27 Jun 2018 12:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	28.9	86.8
227	63.3	31.3	93.8





#95

Naphthalene

Concen: 19.50 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.00 min

Lab File: VF059333.D

Acq: 27 Jun 2018 12:34

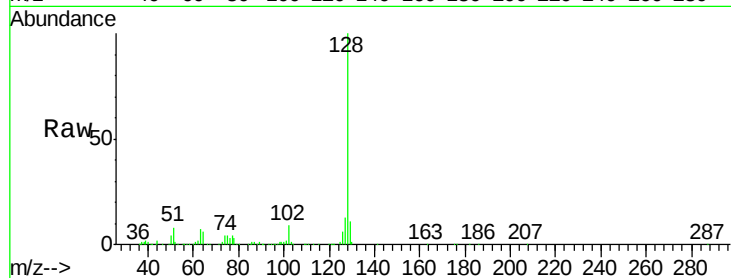
Instrument :

MSVOA_F

ClientSampleId :

Tot Ion:128 Resp: 253065

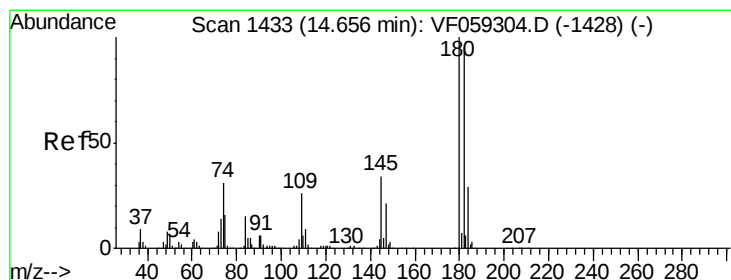
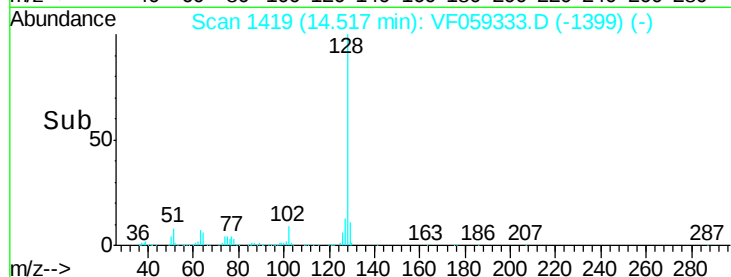
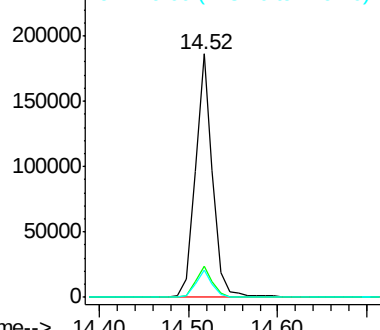
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	11.0	8.8	13.2



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: 19.57 ug/l

RT: 14.66 min Scan# 1434

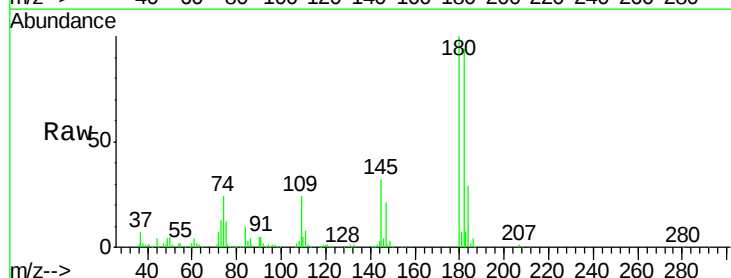
Delta R.T. 0.01 min

Lab File: VF059333.D

Acq: 27 Jun 2018 12:34

Tgt Ion:180 Resp: 114995

Ion	Ratio	Lower	Upper
180	100		
182	93.5	47.5	142.5
145	32.5	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

