

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062018\
 Data File : VF059258.D
 Acq On : 21 Jun 2018 12:13
 Operator : VA/AP
 Sample : VF0620SBS02
 Misc : 5.00µg/5mL/MSVOA-F/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Jun 21 14:06:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 10:52:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	247617	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	388741	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	385815	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	247160	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	161769	53.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.74%	
35) Dibromofluoromethane	4.29	113	145763	53.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.88%	
50) Toluene-d8	7.71	98	370248	46.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.40%	
62) 4-Bromofluorobenzene	11.51	95	208440	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	59181	21.12	ug/l	98
3) Chloromethane	1.09	50	36522	16.82	ug/l	97
4) Vinyl Chloride	1.15	62	37814	19.31	ug/l	99
5) Bromomethane	1.33	94	26371	23.11	ug/l	99
6) Chloroethane	1.42	64	19014	23.40	ug/l	90
7) Trichlorofluoromethane	1.48	101	27351	8.98	ug/l	87
8) Diethyl Ether	1.70	74	17073	22.29	ug/l	73
9) 1,1,2-Trichlorotrifluoroet	1.89	101	45610	23.51	ug/l	94
10) Methyl Iodide	1.95	142	74344	21.90	ug/l	93
11) Tert butyl alcohol	2.68	59	22266	115.72	ug/l	94
12) 1,1-Dichloroethene	1.86	96	37744	23.13	ug/l	89
13) Acrolein	2.08	56	10088	60.57	ug/l #	75
14) Allyl chloride	2.18	41	70517	22.02	ug/l	88
15) Acrylonitrile	3.07	53	43140	112.89	ug/l	97
16) Acetone	2.34	43	101530	141.60	ug/l	93
17) Carbon Disulfide	1.87	76	85936	18.76	ug/l	96
18) Methyl Acetate	2.45	43	31080	25.21	ug/l	100
19) Methyl tert-butyl Ether	2.54	73	125217	24.72	ug/l	100
20) Methylene Chloride	2.28	84	25410	14.80	ug/l	92
21) trans-1,2-Dichloroethene	2.41	96	38480	21.50	ug/l	87
22) Diisopropyl ether	2.92	45	144883	23.02	ug/l	99
23) Vinyl Acetate	3.33	43	506520	122.04	ug/l	100
24) 1,1-Dichloroethane	3.00	63	90076	23.60	ug/l	99
25) 2-Butanone	4.52	43	119317	107.34	ug/l	97
26) 2,2-Dichloropropane	3.76	77	66203	23.91	ug/l	99
27) cis-1,2-Dichloroethene	3.63	96	56099	20.37	ug/l	86
28) Bromochloromethane	3.89	49	42844	24.94	ug/l #	94
29) Tetrahydrofuran	4.25	42	55326	112.95	ug/l	94
30) Chloroform	4.03	83	130299	23.87	ug/l	95
31) Cyclohexane	3.87	56	61962	18.59	ug/l	97
32) 1,1,1-Trichloroethane	4.27	97	98554	24.18	ug/l	93
36) 1,1-Dichloropropene	4.46	75	83985	22.29	ug/l	96
37) Ethyl Acetate	4.28	43	52793	22.68	ug/l	91
38) Carbon Tetrachloride	4.17	117	107053	26.21	ug/l	97

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 10:52:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	81688	21.27	µg/l	96
40) Benzene	4.80	78	182220	20.83	µg/l	97
41) Methacrylonitrile	4.92	41	25497	22.29	µg/l	95
42) 1,2-Dichloroethane	5.11	62	100255	25.56	µg/l	99
43) Isopropyl Acetate	7.11	43	64640	20.73	µg/l #	94
44) Trichloroethene	5.67	130	62781	22.97	µg/l	94
45) 1,2-Dichloropropane	6.40	63	56054	22.23	µg/l	96
46) Dibromomethane	6.25	93	44386	23.39	µg/l #	82
47) Bromodichloromethane	6.55	83	103163	23.90	µg/l	94
48) Methyl methacrylate	6.87	41	40413	21.02	µg/l	96
49) 1,4-Dioxane	6.86	88	4459	304.28	µg/l #	85
51) 4-Methyl-2-Pentanone	8.40	43	250748	117.33	µg/l	97
52) Toluene	7.78	92	135513	21.51	µg/l	93
53) t-1,3-Dichloropropene	8.42	75	96992	23.20	µg/l	100
54) cis-1,3-Dichloropropene	7.45	75	110705	23.05	µg/l	96
55) 1,1,2-Trichloroethane	8.64	97	50874	22.29	µg/l	94
56) Ethyl methacrylate	8.76	69	59803	20.78	µg/l	96
57) 1,3-Dichloropropane	9.00	76	90193	23.10	µg/l	96
58) 2-Chloroethyl Vinyl ether	7.78	63	23797	115.66	µg/l	100
59) 2-Hexanone	9.63	43	217153	128.46	µg/l	97
60) Dibromochloromethane	8.86	129	80022	24.39	µg/l	98
61) 1,2-Dibromoethane	9.14	107	60337	22.75	µg/l	97
64) Tetrachloroethene	8.30	164	61118	21.60	µg/l	97
65) Chlorobenzene	9.94	112	180338	23.60	µg/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	74356	24.47	µg/l	92
67) Ethyl Benzene	10.04	91	300843	22.66	µg/l	99
68) m/p-Xylenes	10.27	106	217298	43.72	µg/l	90
69) o-Xylene	10.83	106	129074	24.03	µg/l	100
70) Styrene	10.90	104	185320	22.80	µg/l	97
71) Bromoform	10.88	173	50536	24.49	µg/l #	93
73) Isopropylbenzene	11.23	105	355227	20.76	µg/l	100
74) N-amyl acetate	11.47	43	126140	20.64	µg/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	86244	21.26	µg/l	99
76) 1,2,3-Trichloropropane	11.89	75	65487	21.86	µg/l	97
77) Bromobenzene	11.59	156	94101	21.85	µg/l	90
78) n-propylbenzene	11.69	91	431894	21.32	µg/l	98
79) 2-Chlorotoluene	11.81	91	255580	21.36	µg/l	94
80) 1,3,5-Trimethylbenzene	11.91	105	319415	22.55	µg/l	95
81) trans-1,4-Dichloro-2-buten	11.96	75	39300	20.23	µg/l	95
82) 4-Chlorotoluene	11.99	91	273394	21.46	µg/l	97
83) tert-Butylbenzene	12.22	119	312923	22.25	µg/l	100
84) 1,2,4-Trimethylbenzene	12.28	105	317837	21.66	µg/l	92
85) sec-Butylbenzene	12.39	105	415664	21.75	µg/l	100
86) p-Isopropyltoluene	12.54	119	351429	22.39	µg/l	98
87) 1,3-Dichlorobenzene	12.56	146	176760	22.23	µg/l	96
88) 1,4-Dichlorobenzene	12.65	146	171165	22.34	µg/l	97
89) n-Butylbenzene	12.92	91	356794	19.97	µg/l	92
90) Hexachloroethane	12.99	117	83966	21.72	µg/l	87
91) 1,2-Dichlorobenzene	13.02	146	177577	23.18	µg/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	16982	21.34	µg/l	85

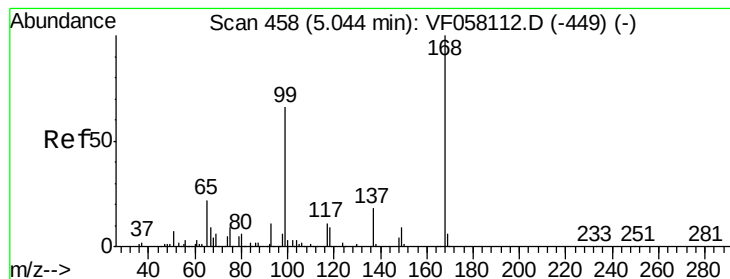
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 10:52:00 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	131150	24.48	ug/l	95
94) Hexachlorobutadiene	14.26	225	74905	24.16	ug/l	95
95) Naphthalene	14.52	128	251100	21.94	ug/l	100
96) 1,2,3-Trichlorobenzene	14.67	180	119523	24.14	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.00 min

Lab File: VF059258.D

Acq: 21 Jun 2018 12:13

Instrument :

MSVOA_F

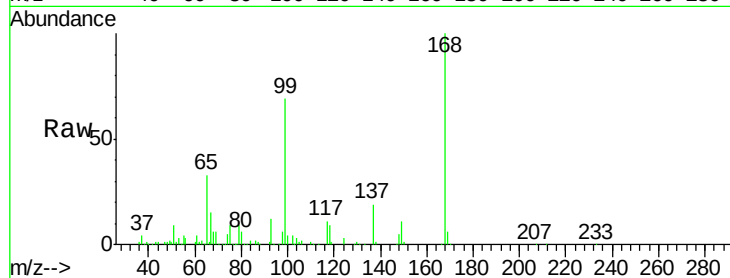
ClientSampleId :

Tot Ion:168 Resp: 247617

Ion Ratio Lower Upper

168 100

99 68.8 52.9 79.3

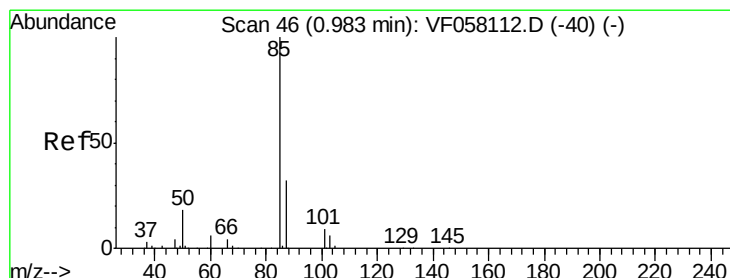
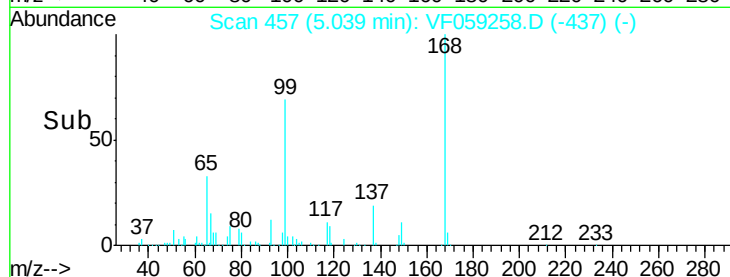


Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

Time-->



#2

Dichlorodifluoromethane

Concen: 21.12 ug/l

RT: 0.99 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059258.D

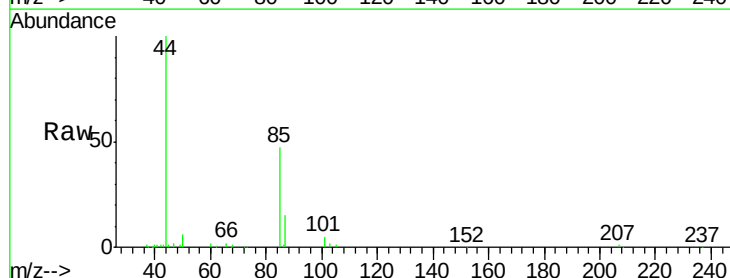
Acq: 21 Jun 2018 12:13

Tgt Ion: 85 Resp: 59181

Ion Ratio Lower Upper

85 100

87 31.4 16.2 48.6

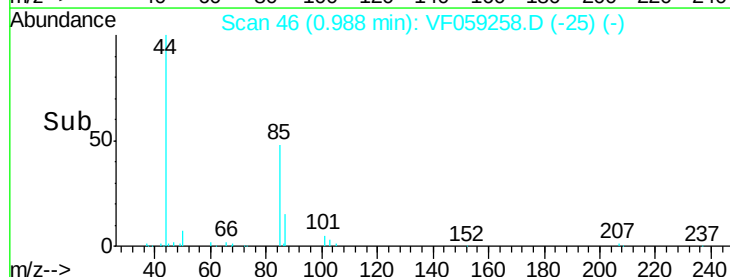


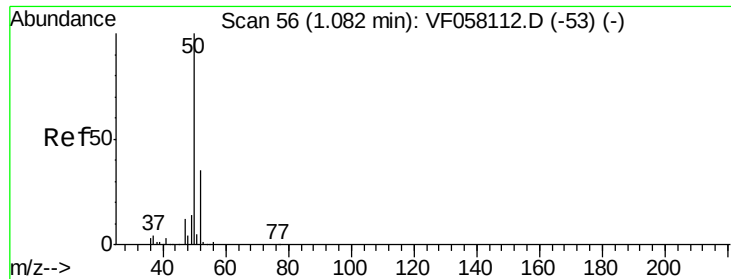
Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

Time-->





#3

Chloromethane

Concen: 16.82 ug/l

RT: 1.09 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059258.D

Acq: 21 Jun 2018 12:13

Instrument :

MSVOA_F

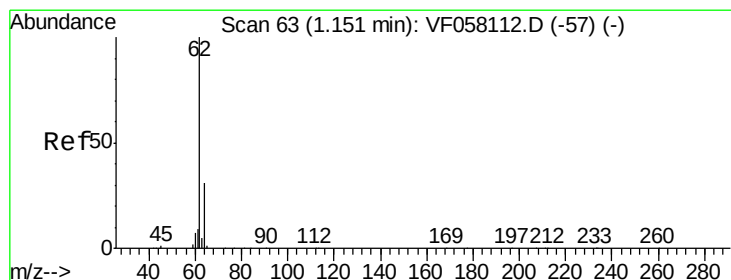
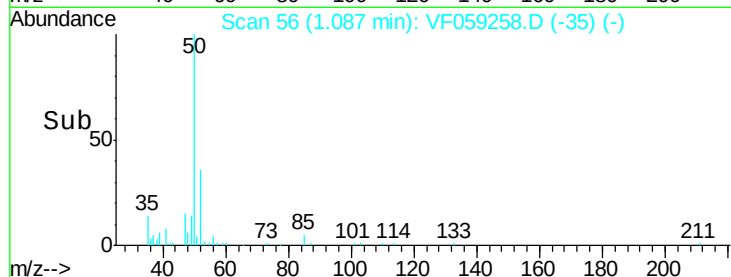
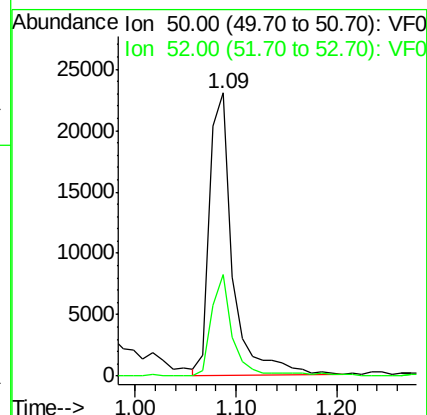
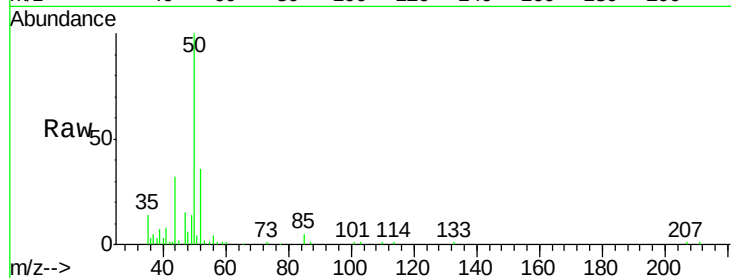
ClientSampleId :

Tot Ion: 50 Resp: 36522

Ion Ratio Lower Upper

50 100

52 35.9 27.3 40.9



#4

Vinyl Chloride

Concen: 19.31 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF059258.D

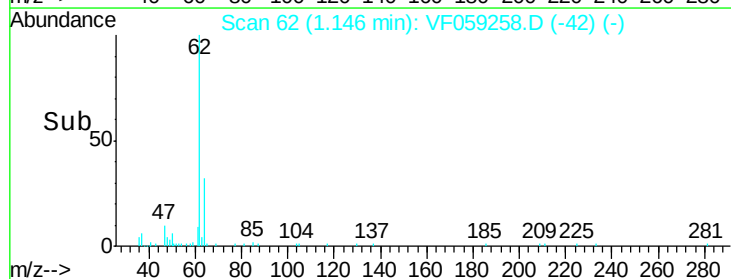
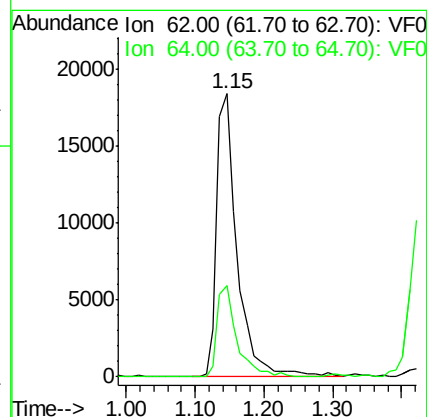
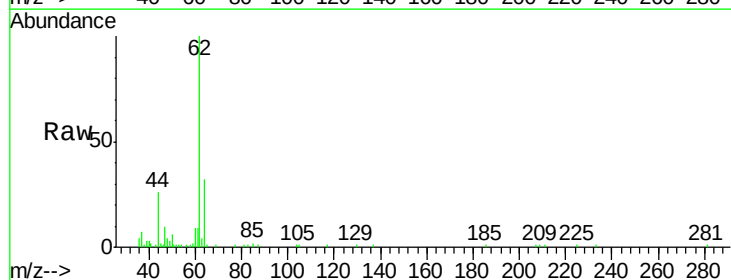
Acq: 21 Jun 2018 12:13

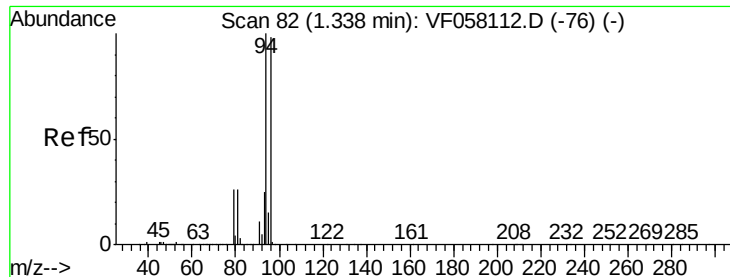
Tgt Ion: 62 Resp: 37814

Ion Ratio Lower Upper

62 100

64 32.1 25.0 37.6





#5

Bromomethane

Concen: 23.11 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.00 min

Lab File: VF059258.D

Acq: 21 Jun 2018 12:13

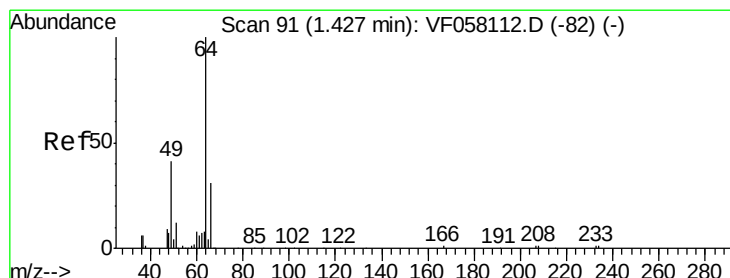
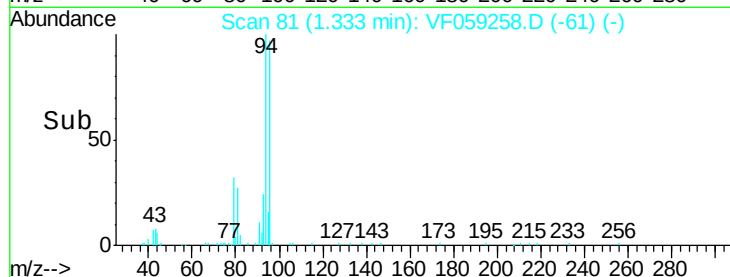
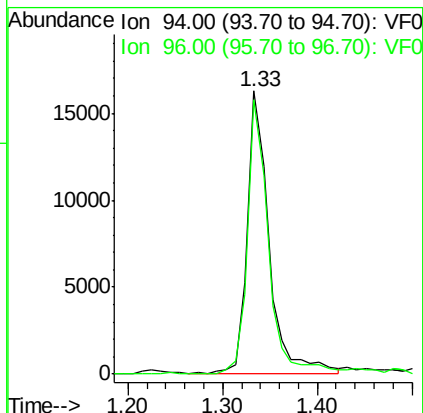
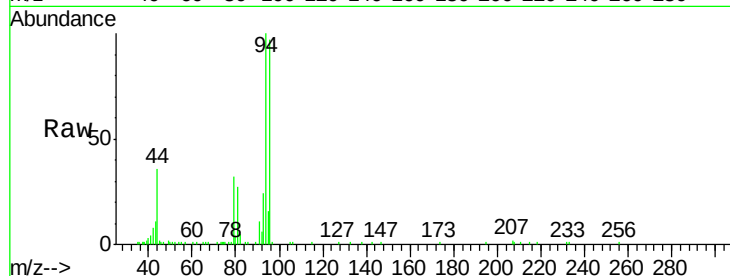
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 26371

Ion Ratio Lower Upper

94 100

96 96.7 78.6 117.8



#6

Chloroethane

Concen: 23.40 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.00 min

Lab File: VF059258.D

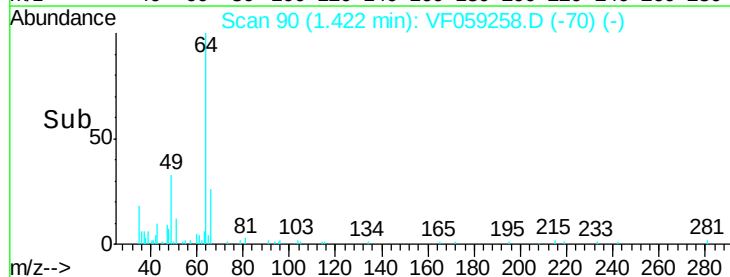
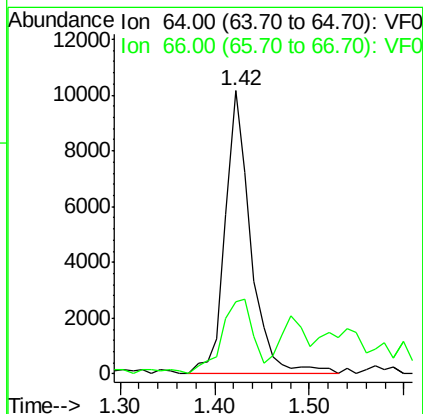
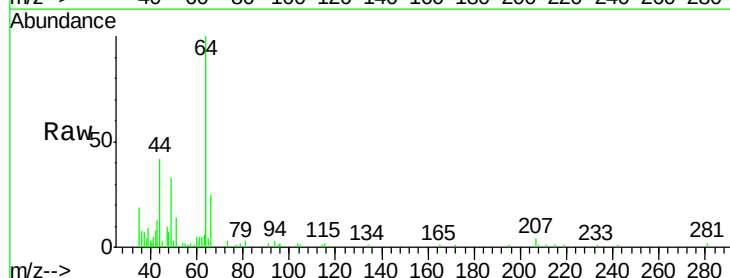
Acq: 21 Jun 2018 12:13

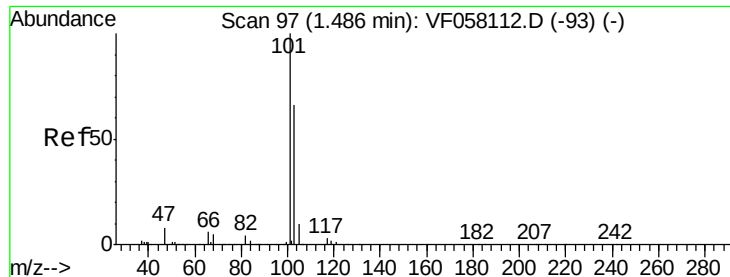
Tgt Ion: 64 Resp: 19014

Ion Ratio Lower Upper

64 100

66 25.5 24.9 37.3





#7

Trichlorofluoromethane

Concen: 8.98 ug/l

RT: 1.48 min Scan# 96

Delta R.T. -0.00 min

Lab File: VF059258.D

Acq: 21 Jun 2018 12:13

Instrument :

MSVOA_F

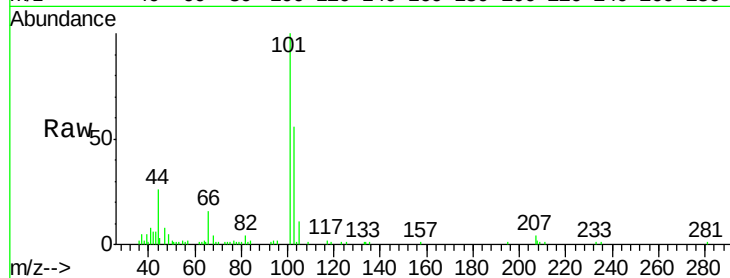
ClientSampleId :

Tot Ion:101 Resp: 27351

Ion Ratio Lower Upper

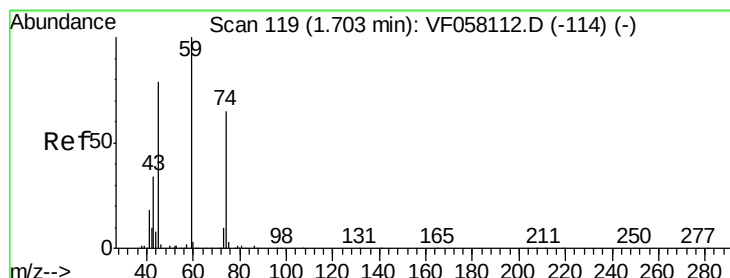
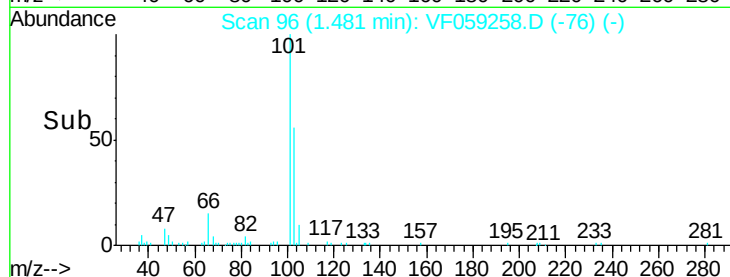
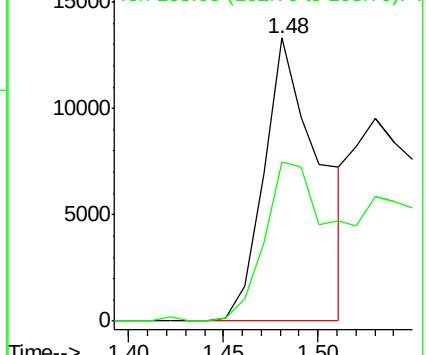
101 100

103 56.2 53.4 80.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 22.29 ug/l

RT: 1.70 min Scan# 118

Delta R.T. -0.00 min

Lab File: VF059258.D

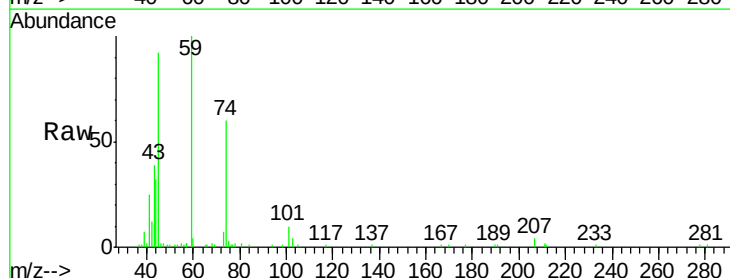
Acq: 21 Jun 2018 12:13

Tgt Ion: 74 Resp: 17073

Ion Ratio Lower Upper

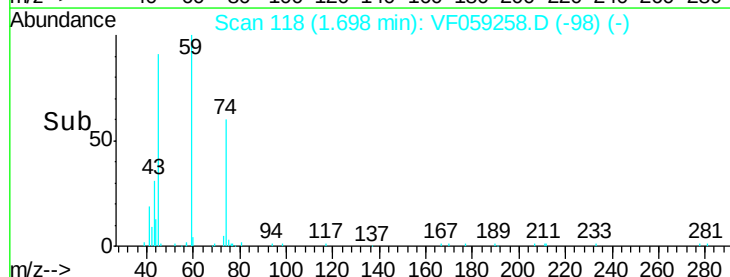
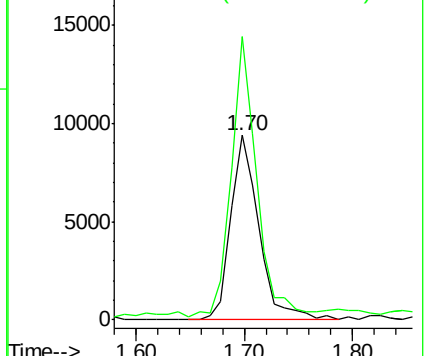
74 100

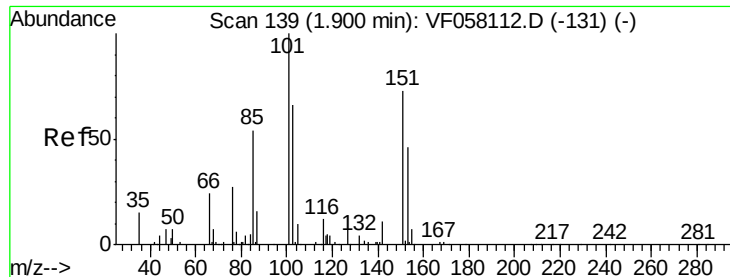
45 153.5 61.5 184.4



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: 23.51 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.00 min

Lab File: VF059258.D

Acq: 21 Jun 2018 12:13

Instrument :

MSVOA_F

ClientSampleId :

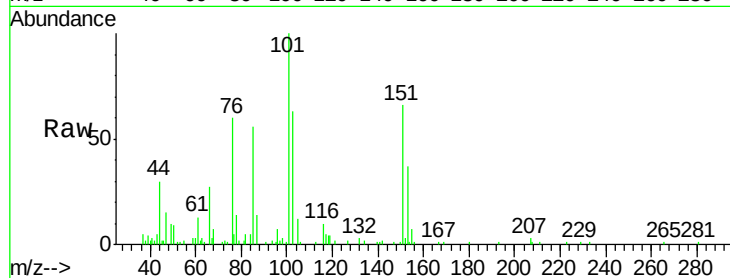
Tot Ion:101 Resp: 45610

Ion Ratio Lower Upper

101 100

85 55.9 42.2 63.4

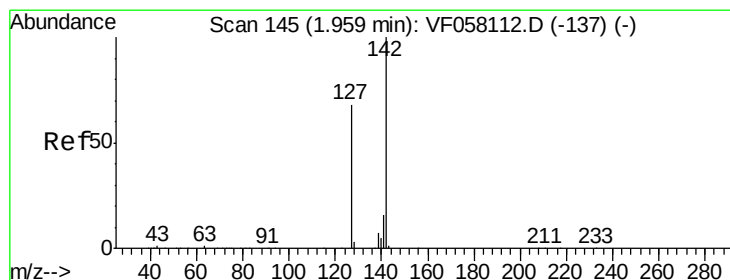
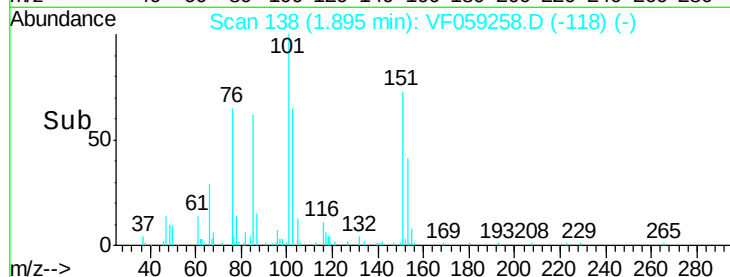
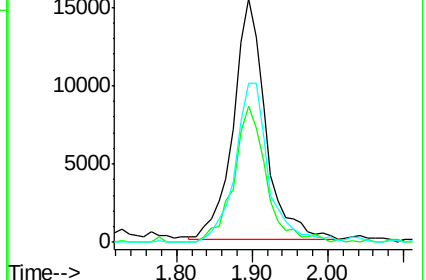
151 65.5 56.8 85.2



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: 21.90 ug/l

RT: 1.95 min Scan# 144

Delta R.T. -0.00 min

Lab File: VF059258.D

Acq: 21 Jun 2018 12:13

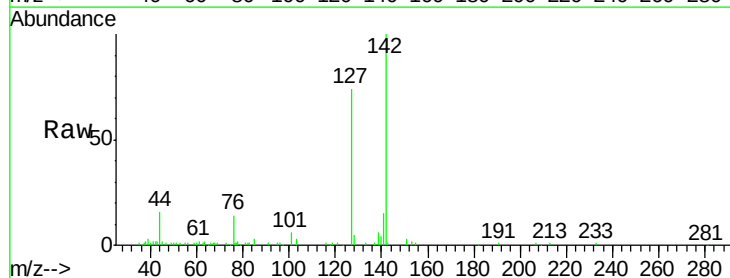
Tgt Ion:142 Resp: 74344

Ion Ratio Lower Upper

142 100

127 74.5 54.1 81.1

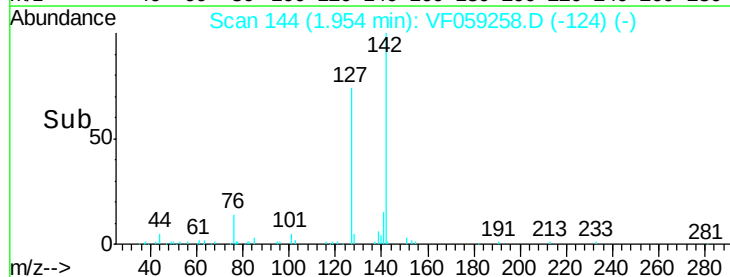
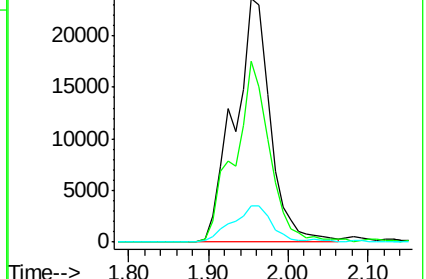
141 15.1 13.0 19.4

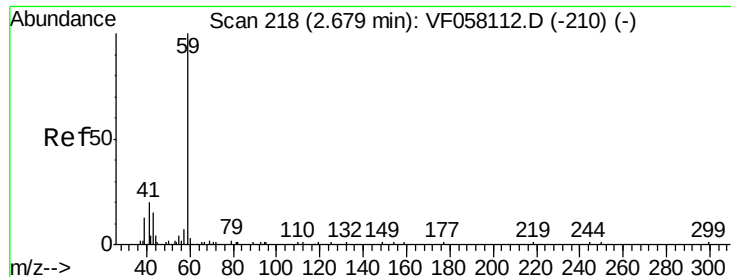


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

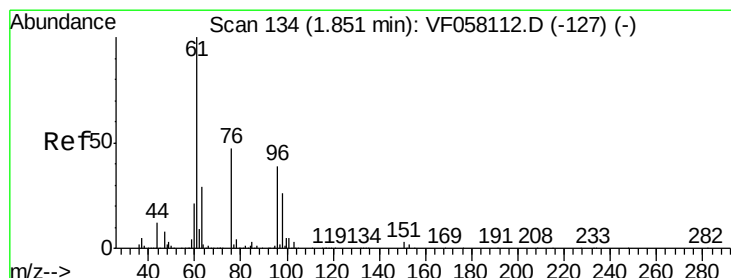
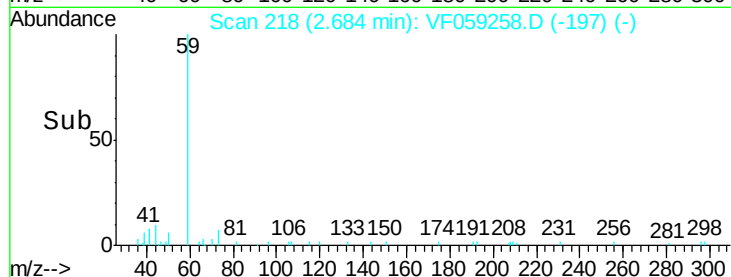
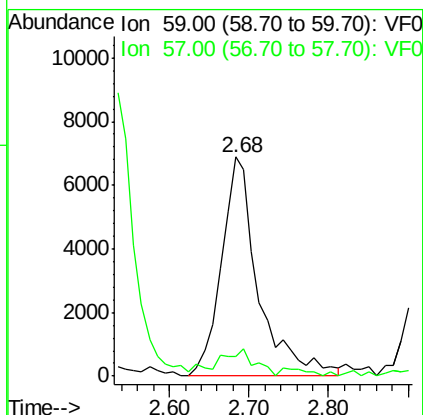
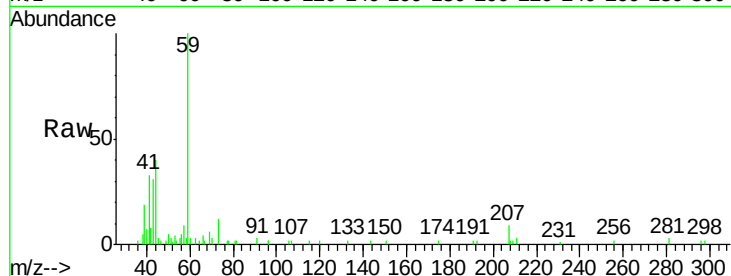




#11
Tert butyl alcohol
Concen: 115.72 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.00 min
Lab File: VF059258.D
Acq: 21 Jun 2018 12:13

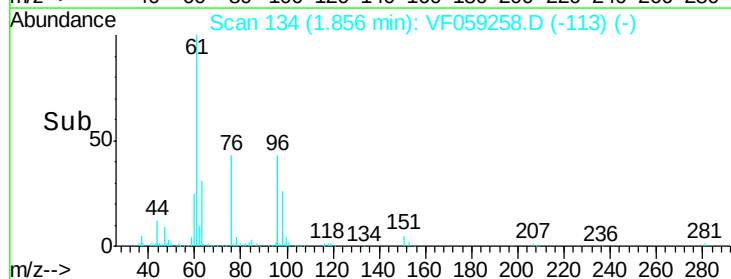
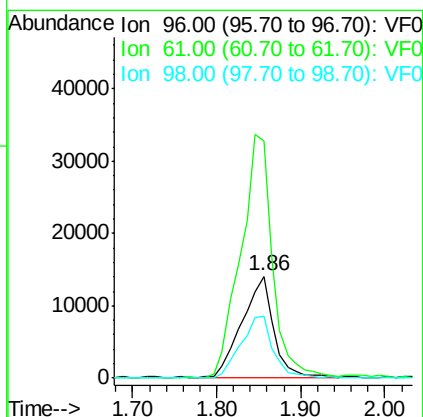
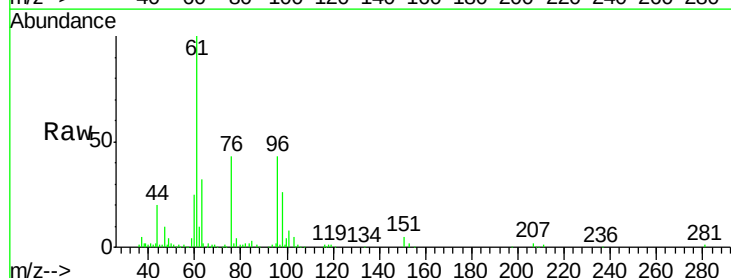
Instrument :
MSVOA_F
ClientSampleId :

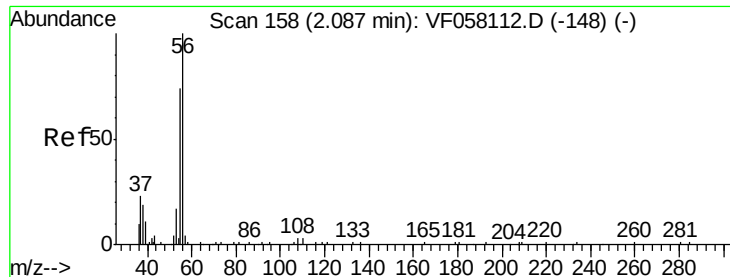
Tot Ion: 59 Resp: 22266
Ion Ratio Lower Upper
59 100
57 8.8 8.7 13.1



#12
1,1-Dichloroethene
Concen: 23.13 ug/l
RT: 1.86 min Scan# 134
Delta R.T. 0.00 min
Lab File: VF059258.D
Acq: 21 Jun 2018 12:13

Tgt Ion: 96 Resp: 37744
Ion Ratio Lower Upper
96 100
61 233.1 203.0 304.4
98 60.4 52.7 79.1





#13

Acrolein

Concen: 60.57 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.00 min

Lab File: VF059258.D

Acq: 21 Jun 2018 12:13

Instrument :

MSVOA_F

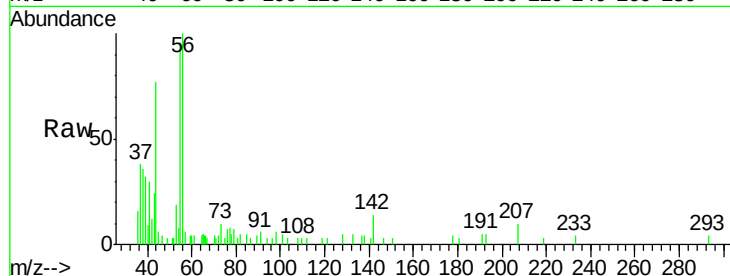
ClientSampleId :

Tot Ion: 56 Resp: 10088

Ion Ratio Lower Upper

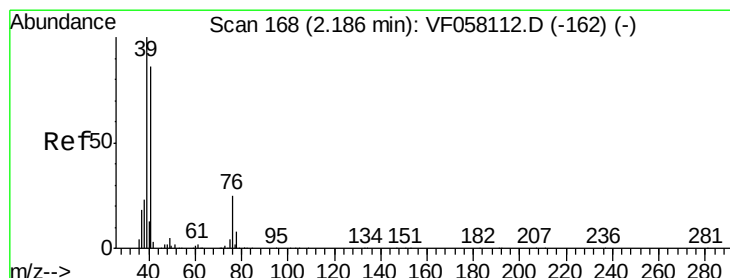
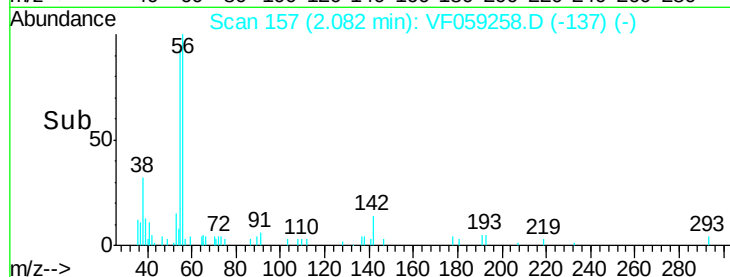
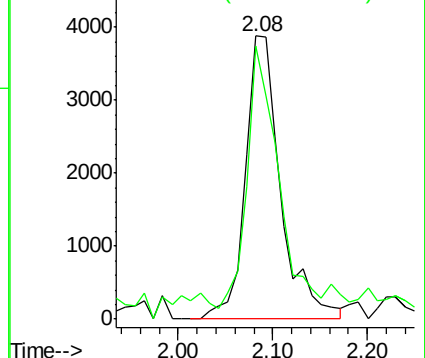
56 100

55 96.3 60.0 90.0#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 22.02 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.00 min

Lab File: VF059258.D

Acq: 21 Jun 2018 12:13

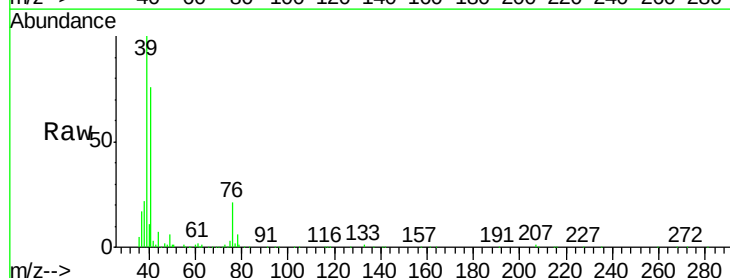
Tgt Ion: 41 Resp: 70517

Ion Ratio Lower Upper

41 100

39 132.1 93.5 140.3

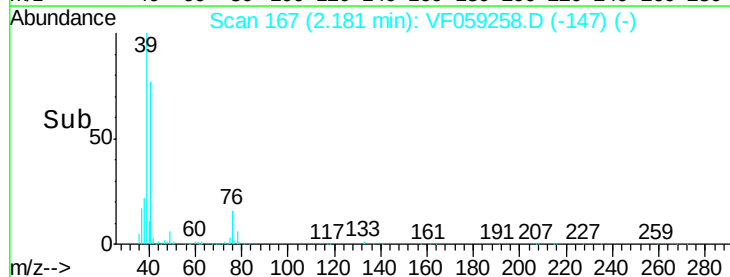
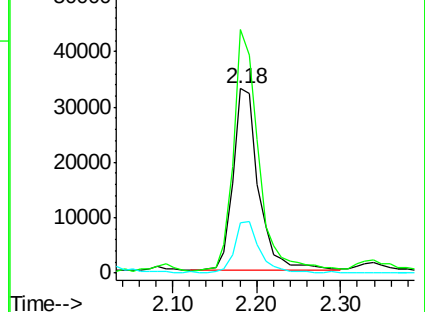
76 27.5 23.9 35.9

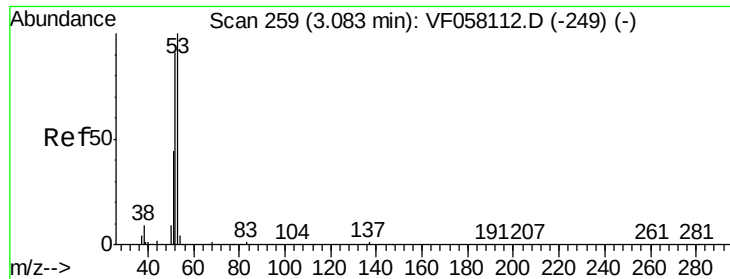


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 112.89 ug/l

RT: 3.07 min Scan# 257

Delta R.T. -0.01 min

Lab File: VF059258.D

Acq: 21 Jun 2018 12:13

Instrument :

MSVOA_F

ClientSampleId :

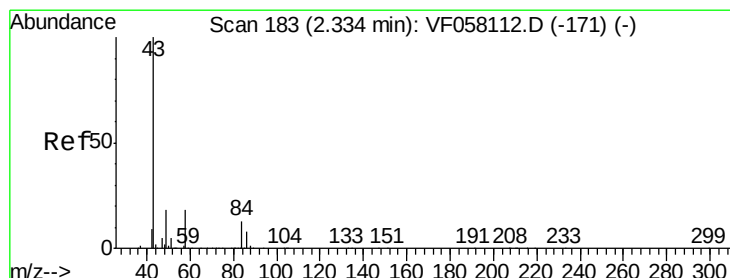
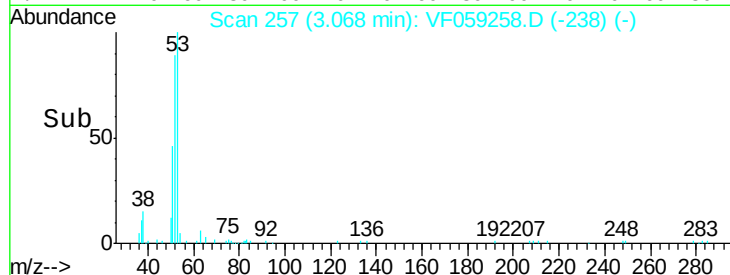
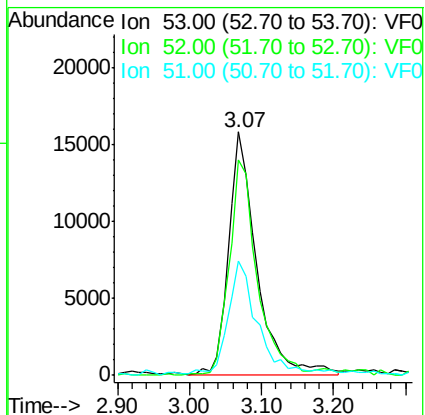
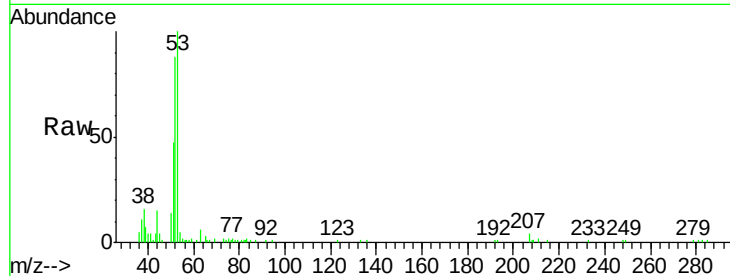
Tot Ion: 53 Resp: 43140

Ion Ratio Lower Upper

53 100

52 88.4 73.2 109.8

51 47.1 35.6 53.4



#16

Acetone

Concen: 141.60 ug/l

RT: 2.34 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF059258.D

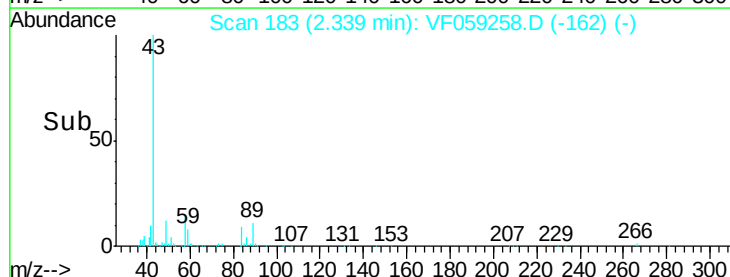
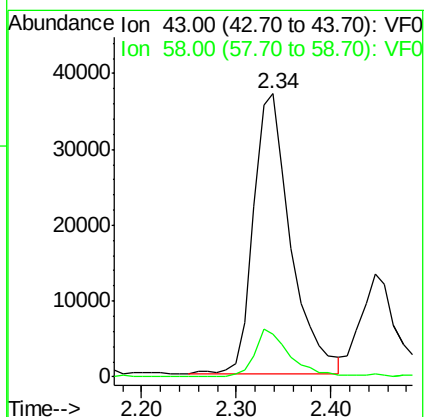
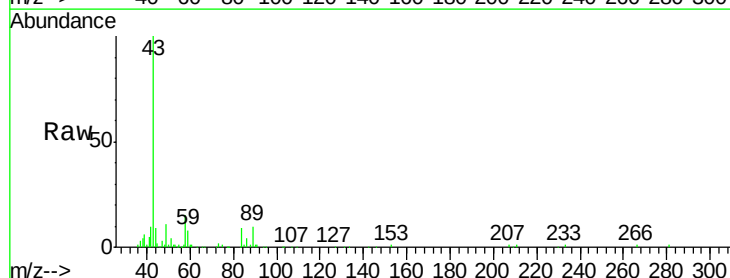
Acq: 21 Jun 2018 12:13

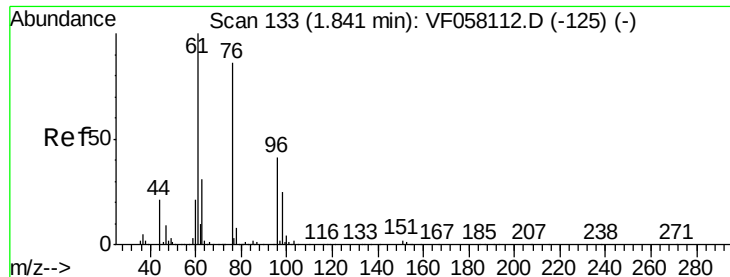
Tgt Ion: 43 Resp: 101530

Ion Ratio Lower Upper

43 100

58 15.1 14.4 21.6





#17

Carbon Disulfide

Concen: 18.76 ug/l

RT: 1.87 min Scan# 135

Delta R.T. 0.02 min

Lab File: VF059258.D

Acq: 21 Jun 2018 12:13

Instrument :

MSVOA_F

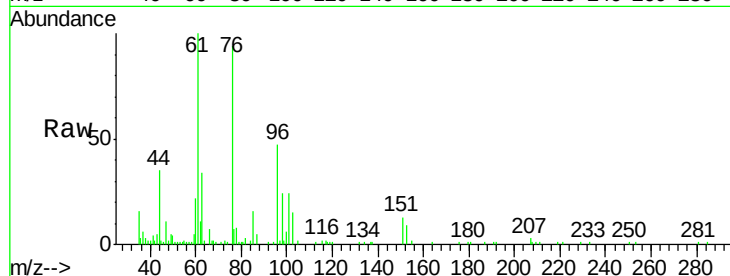
ClientSampleId :

Tot Ion: 76 Resp: 85936

Ion Ratio Lower Upper

76 100

78 8.3 7.8 11.8



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

1.87

15000

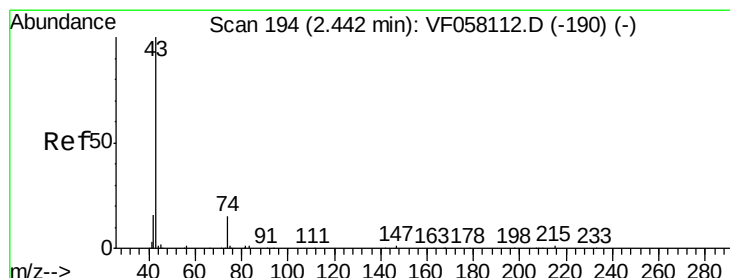
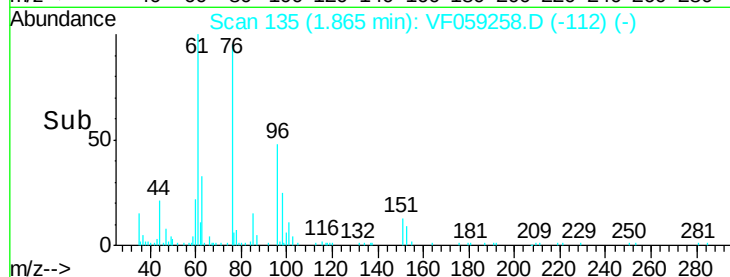
10000

5000

0

Time-->

1.70 1.80 1.90 2.00



#18

Methyl Acetate

Concen: 25.21 ug/l

RT: 2.45 min Scan# 194

Delta R.T. 0.00 min

Lab File: VF059258.D

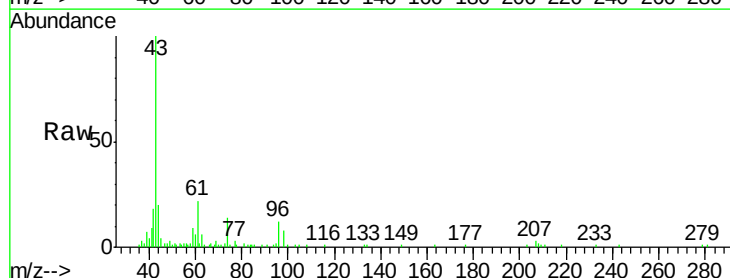
Acq: 21 Jun 2018 12:13

Tgt Ion: 43 Resp: 31080

Ion Ratio Lower Upper

43 100

74 13.7 10.9 16.3



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

2.45

20000

15000

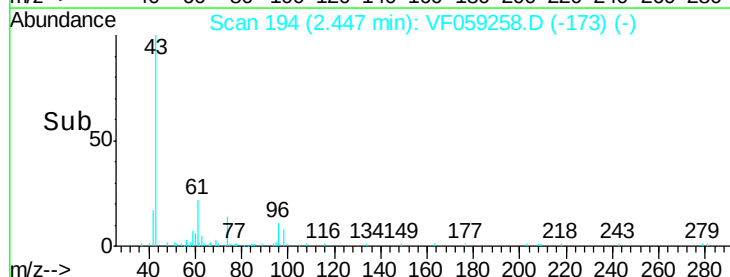
10000

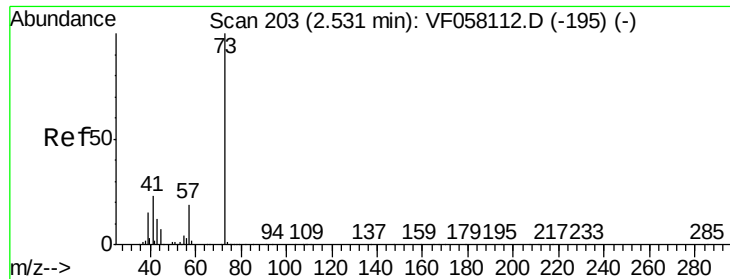
5000

0

Time-->

2.40 2.45 2.50

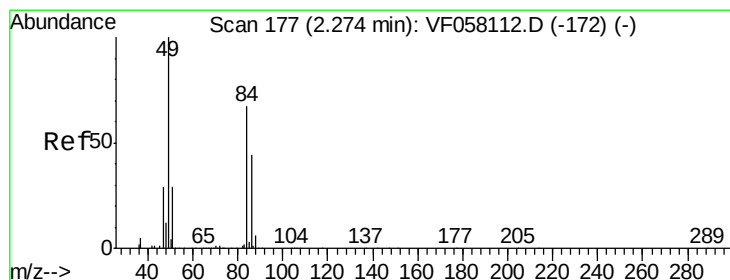
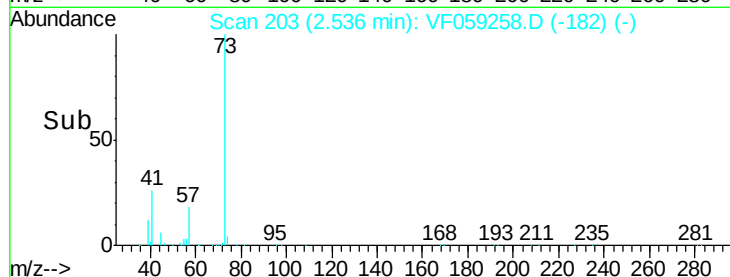
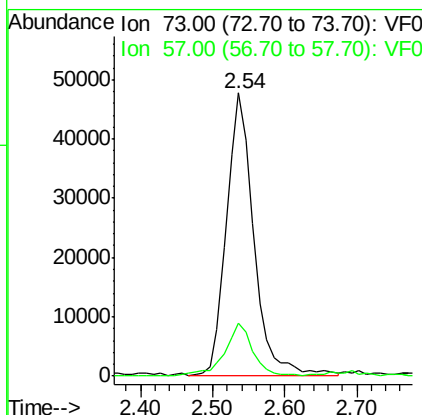
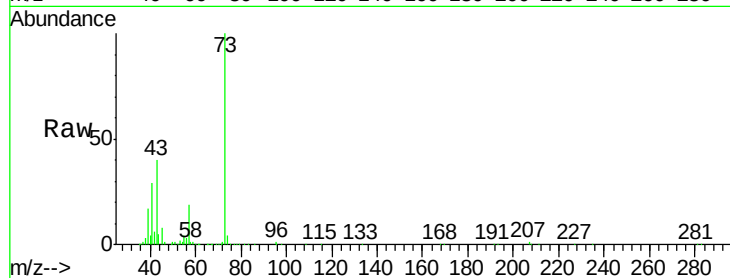




#19
Methyl tert-butyl Ether
Concen: 24.72 ug/l
RT: 2.54 min Scan# 203
Delta R.T. 0.00 min
Lab File: VF059258.D
Acq: 21 Jun 2018 12:13

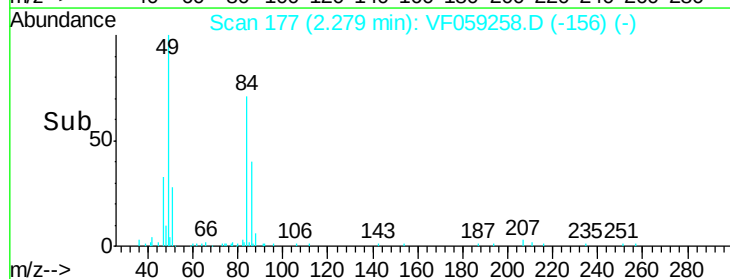
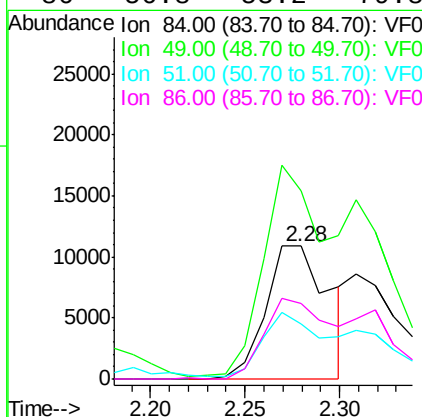
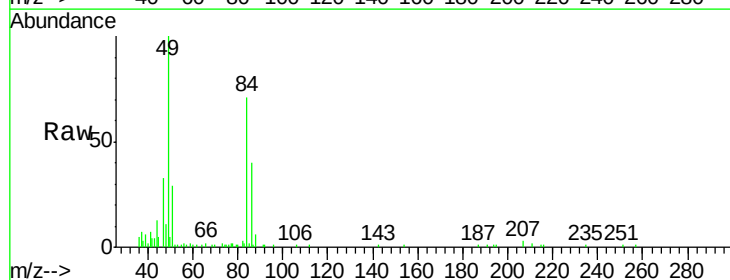
Instrument :
MSVOA_F
ClientSampled :

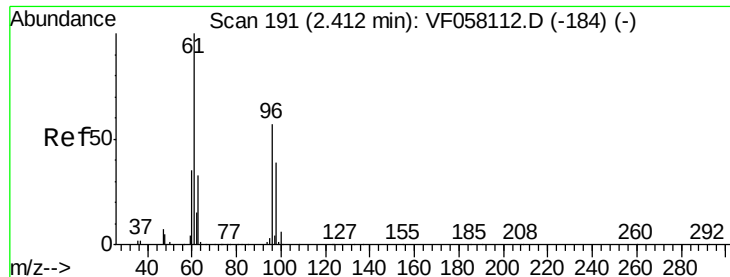
Tot Ion: 73 Resp: 125217
Ion Ratio Lower Upper
73 100
57 18.6 15.0 22.4



#20
Methylene Chloride
Concen: 14.80 ug/l
RT: 2.28 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF059258.D
Acq: 21 Jun 2018 12:13

Tgt Ion: 84 Resp: 25410
Ion Ratio Lower Upper
84 100
49 141.5 121.0 181.4
51 41.5 35.8 53.6
86 56.8 53.2 79.8





#21

trans-1,2-Dichloroethene

Concen: 21.50 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.00 min

Lab File: VF059258.D

Acq: 21 Jun 2018 12:13

Instrument :

MSVOA_F

ClientSampleId :

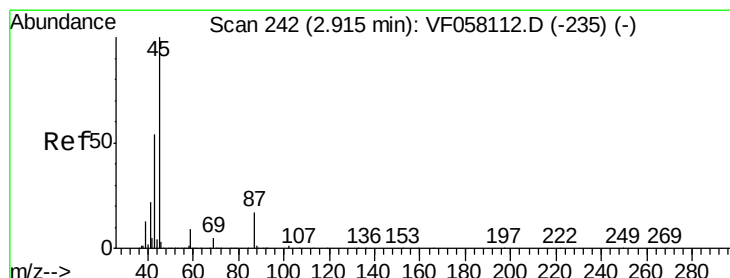
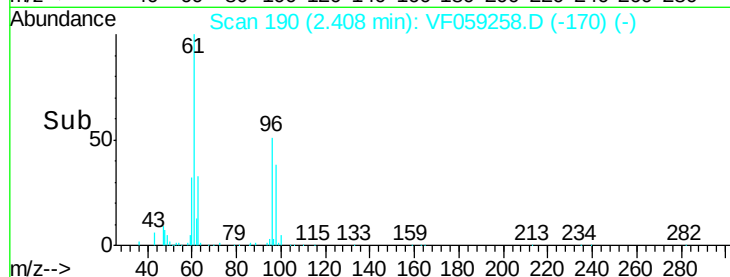
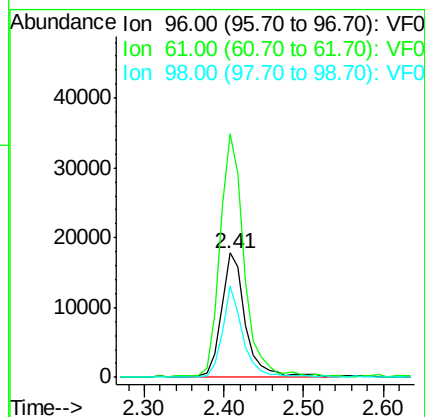
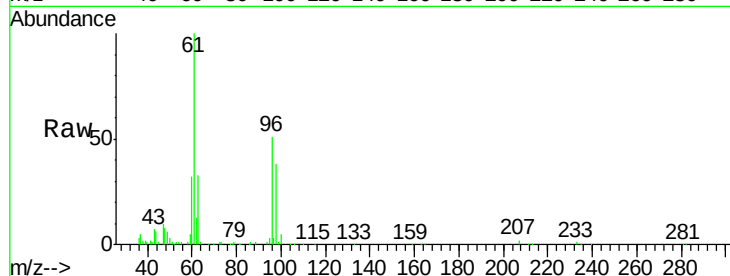
Tot Ion: 96 Resp: 38480

Ion Ratio Lower Upper

96 100

61 195.6 139.4 209.2

98 73.5 54.0 81.0



#22

Diisopropyl ether

Concen: 23.02 ug/l

RT: 2.92 min Scan# 242

Delta R.T. 0.00 min

Lab File: VF059258.D

Acq: 21 Jun 2018 12:13

Tgt Ion: 45 Resp: 144883

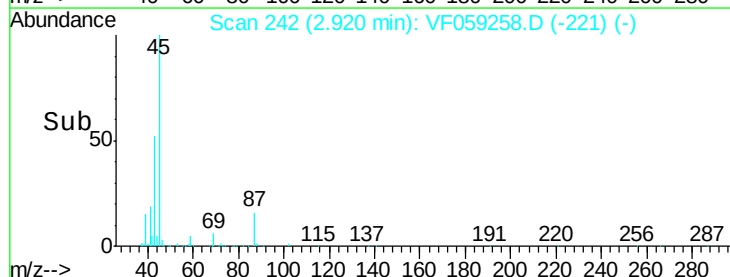
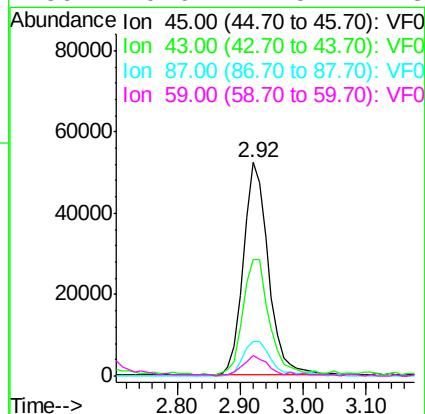
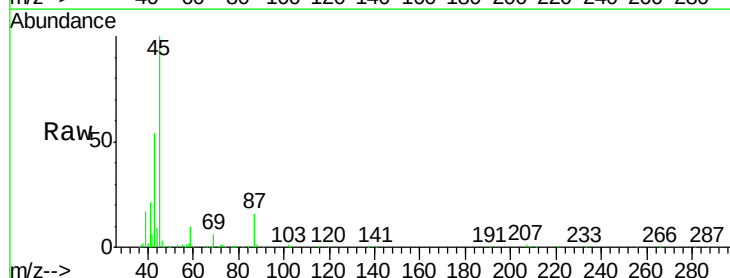
Ion Ratio Lower Upper

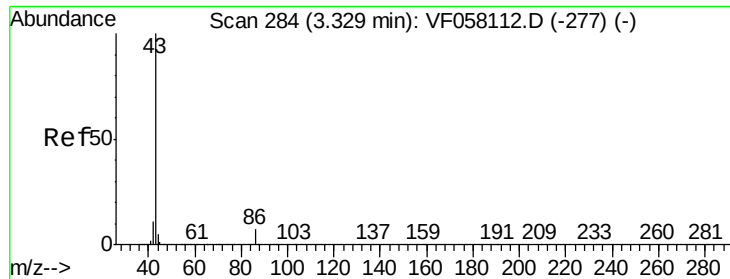
45 100

43 54.5 43.2 64.8

87 16.0 13.8 20.6

59 9.6 7.5 11.3





#23

Vinyl Acetate

Concen: 122.04 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: VF059258.D

Acq: 21 Jun 2018 12:13

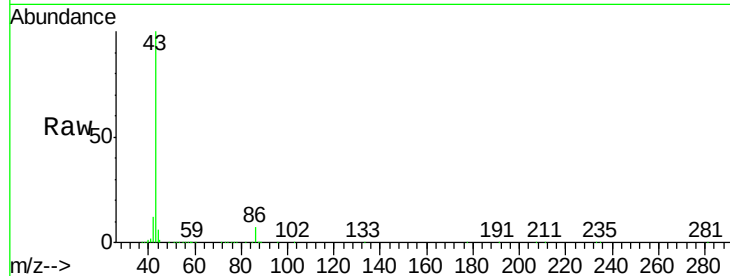
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 506520

Ion Ratio Lower Upper

43 100

86 7.4 6.0 9.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.33

200000

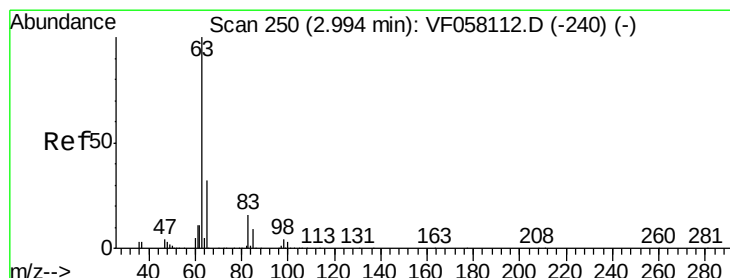
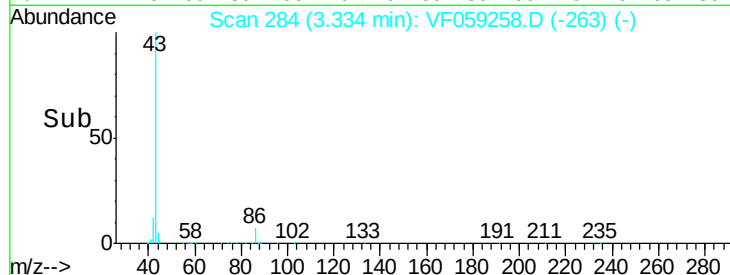
150000

100000

50000

0

Time--> 3.10 3.20 3.30 3.40 3.50



#24

1,1-Dichloroethane

Concen: 23.60 ug/l

RT: 3.00 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF059258.D

Acq: 21 Jun 2018 12:13

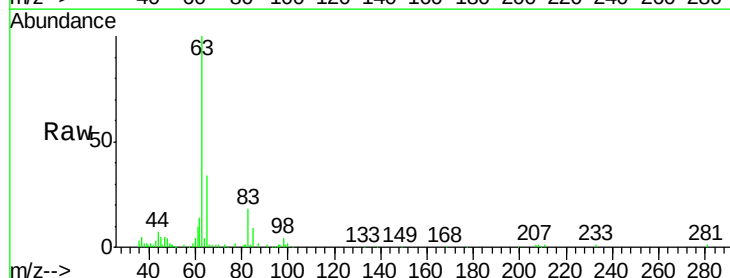
Tgt Ion: 63 Resp: 90076

Ion Ratio Lower Upper

63 100

98 4.2 2.0 6.0

100 2.2 1.4 4.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

3.00

40000

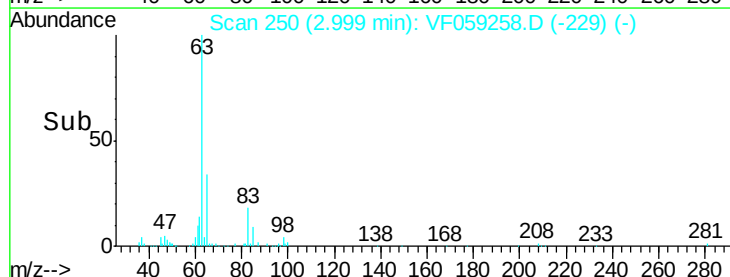
30000

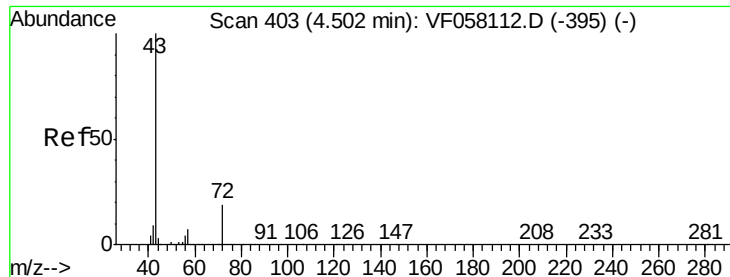
20000

10000

0

Time--> 2.90 3.00 3.10





#25

2-Butanone

Concen: 107.34 ug/l

RT: 4.52 min Scan# 404

Delta R.T. 0.01 min

Lab File: VF059258.D

Acq: 21 Jun 2018 12:13

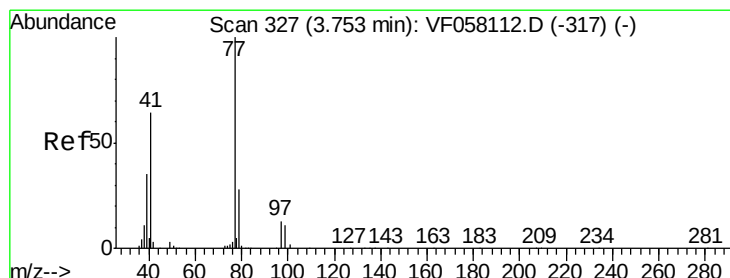
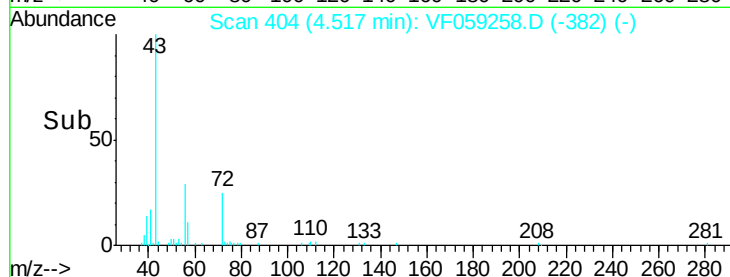
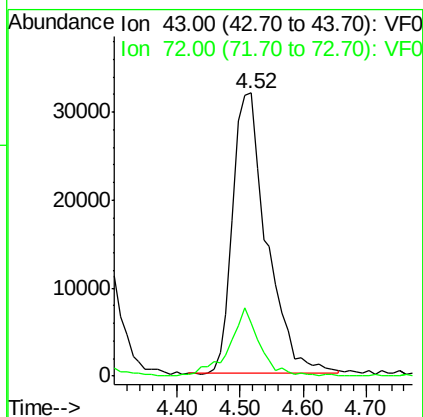
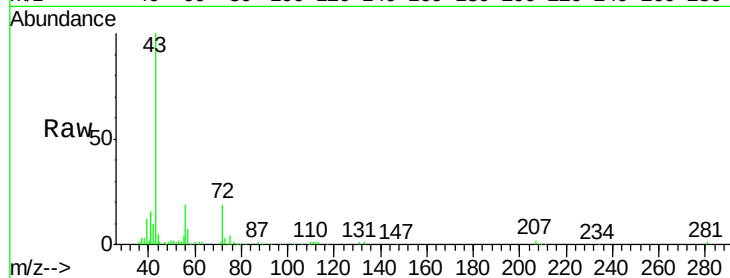
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 43 Resp: 119317

Ion Ratio Lower Upper

43 100

72 18.8 16.1 24.1



#26

2,2-Dichloropropane

Concen: 23.91 ug/l

RT: 3.76 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF059258.D

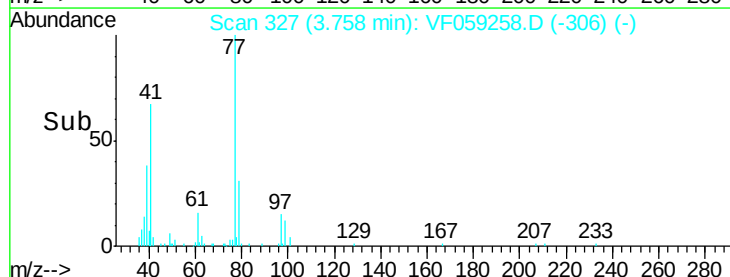
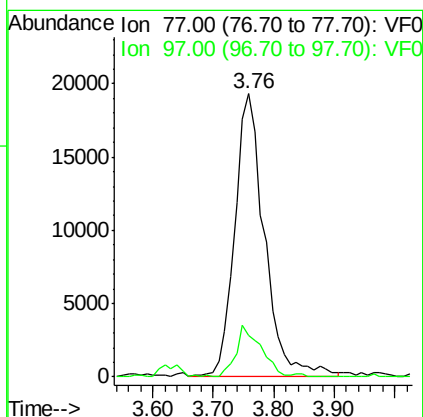
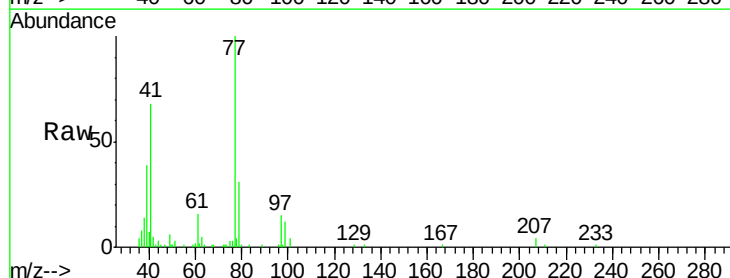
Acq: 21 Jun 2018 12:13

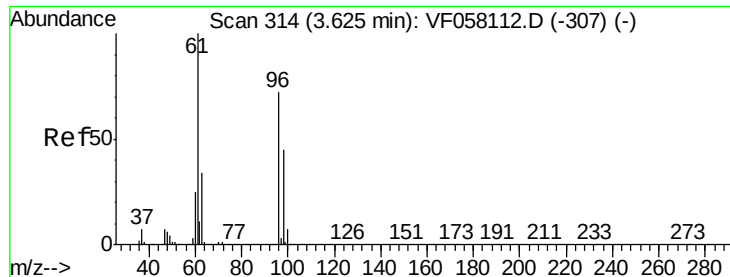
Tgt Ion: 77 Resp: 66203

Ion Ratio Lower Upper

77 100

97 14.6 7.2 21.6



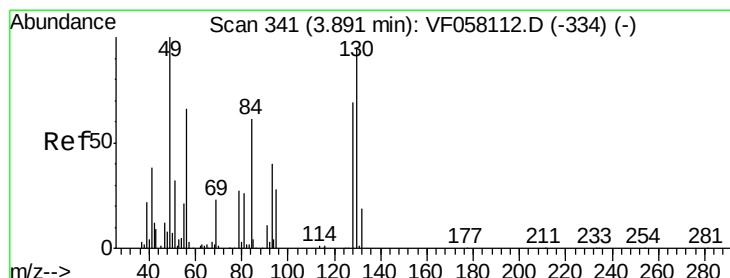
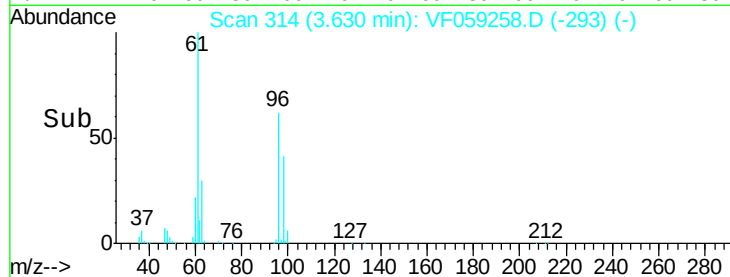
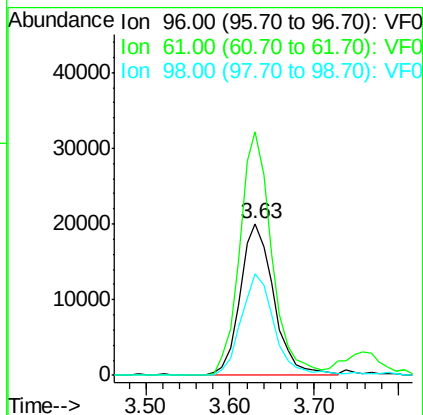
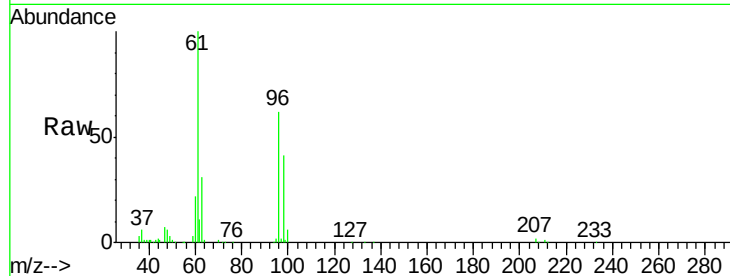


#27

cis-1,2-Dichloroethene
Concen: 20.37 ug/l
RT: 3.63 min Scan# 314
Delta R.T. 0.00 min
Lab File: VF059258.D
Acq: 21 Jun 2018 12:13

Instrument :
MSVOA_F
ClientSampleId :

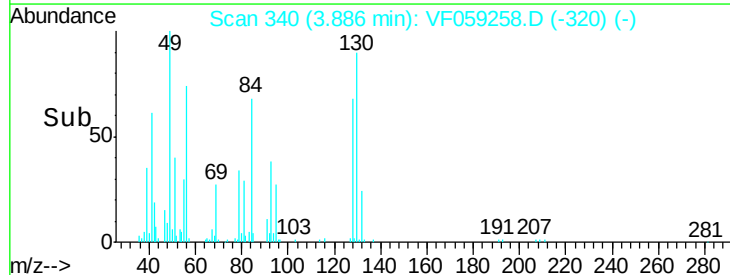
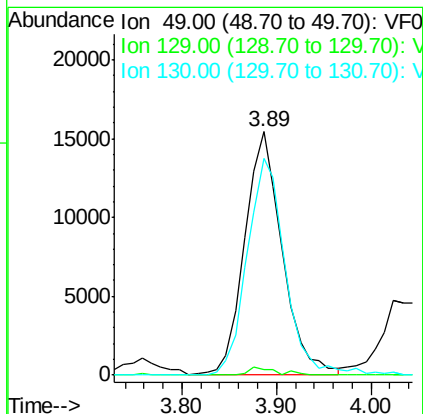
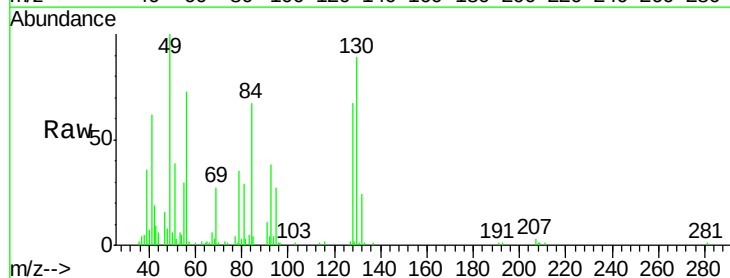
Tot Ion	Ratio	Lower	Upper
96	100		
61	160.3	0.0	278.6
98	66.5	0.0	125.2

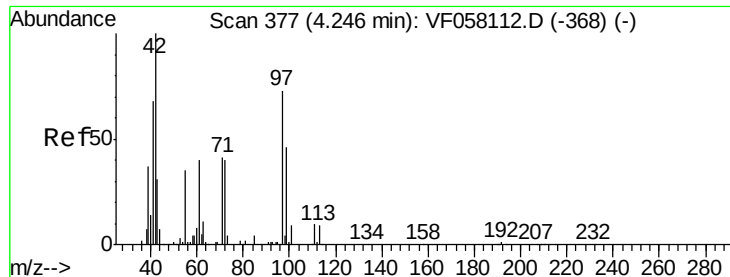


#28

Bromochloromethane
Concen: 24.94 ug/l
RT: 3.89 min Scan# 340
Delta R.T. -0.00 min
Lab File: VF059258.D
Acq: 21 Jun 2018 12:13

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	0.0#
130	89.1	75.8	113.8





#29

Tetrahydrofuran

Concen: 112.95 ug/l

RT: 4.25 min Scan# 377

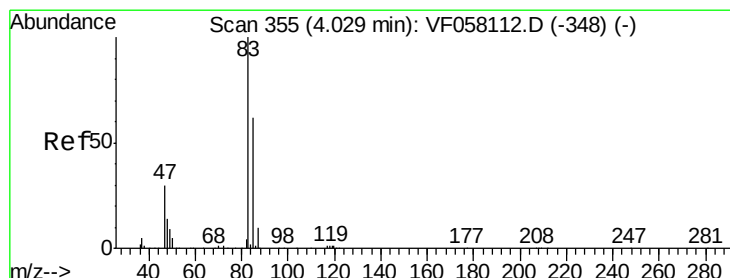
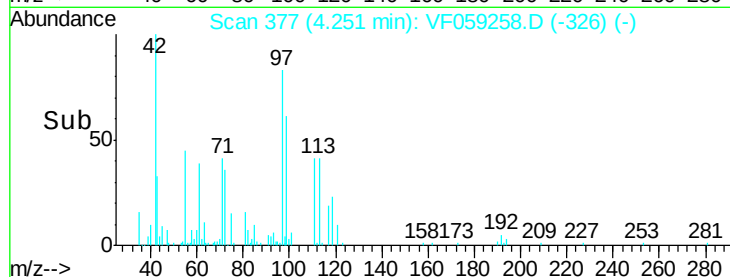
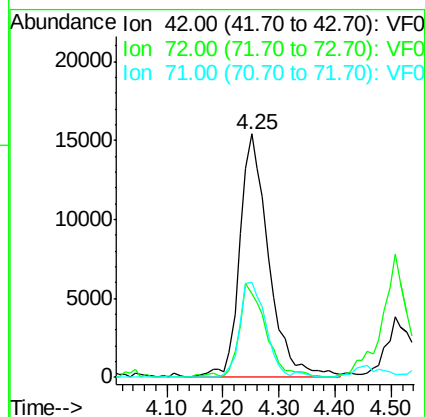
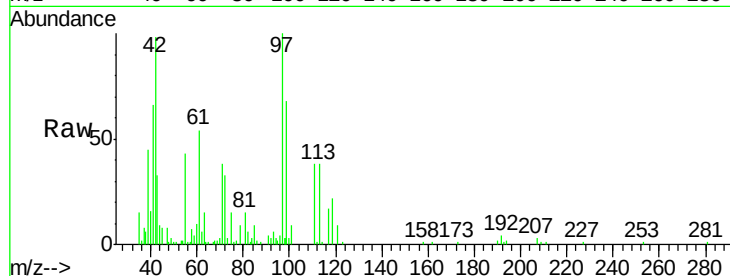
Delta R.T. 0.00 min

Lab File: VF059258.D

Acq: 21 Jun 2018 12:13

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	42	Resp:	55326
Ion	Ratio	Lower	Upper
42	100		
72	35.7	30.5	45.7
71	34.6	31.5	47.3



#30

Chloroform

Concen: 23.87 ug/l

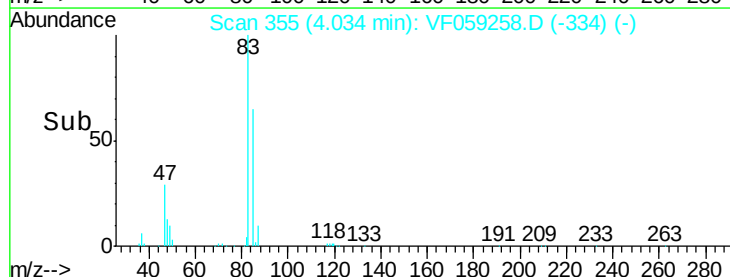
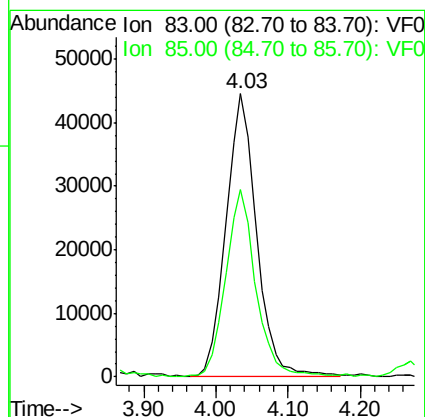
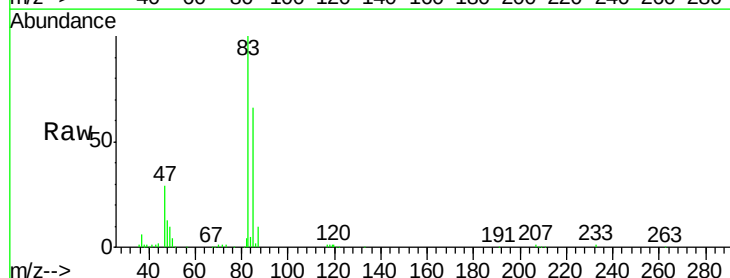
RT: 4.03 min Scan# 355

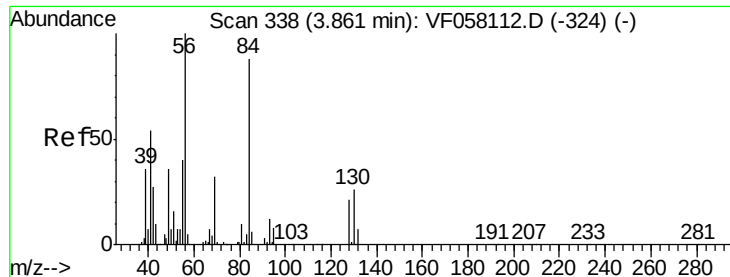
Delta R.T. 0.00 min

Lab File: VF059258.D

Acq: 21 Jun 2018 12:13

Tgt Ion:	83	Resp:	130299
Ion	Ratio	Lower	Upper
83	100		
85	66.1	49.5	74.3





#31

Cyclohexane

Concen: 18.59 ug/l

RT: 3.87 min Scan# 338

Delta R.T. 0.00 min

Lab File: VF059258.D

Acq: 21 Jun 2018 12:13

Instrument :
MSVOA_F
ClientSampleId :

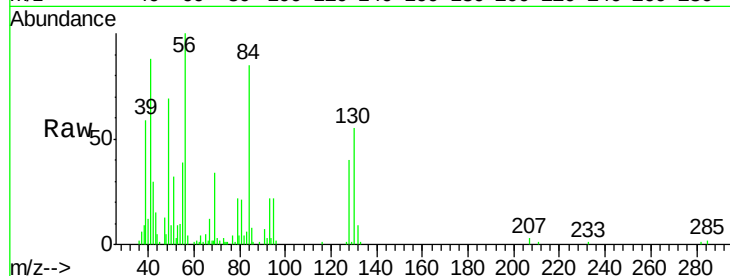
Tot Ion: 56 Resp: 61962

Ion Ratio Lower Upper

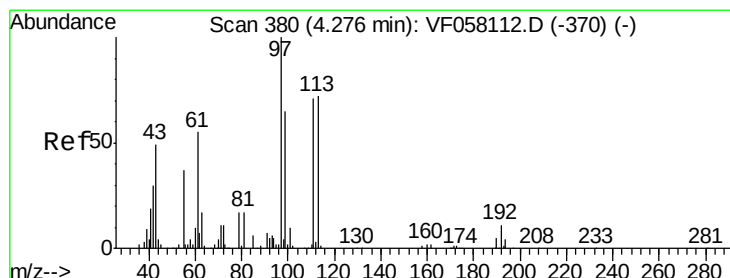
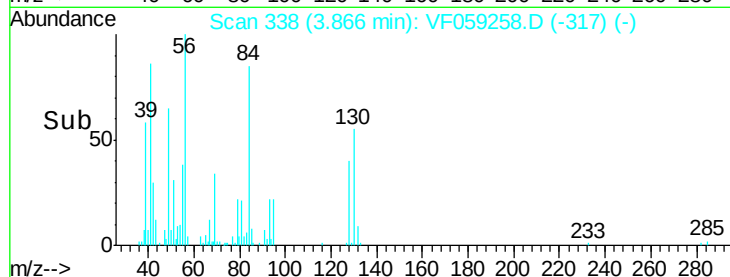
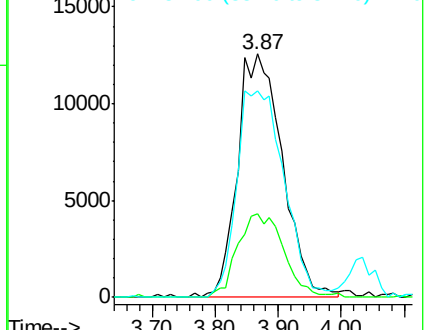
56 100

69 34.4 25.9 38.9

84 85.0 70.3 105.5



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: 24.18 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.00 min

Lab File: VF059258.D

Acq: 21 Jun 2018 12:13

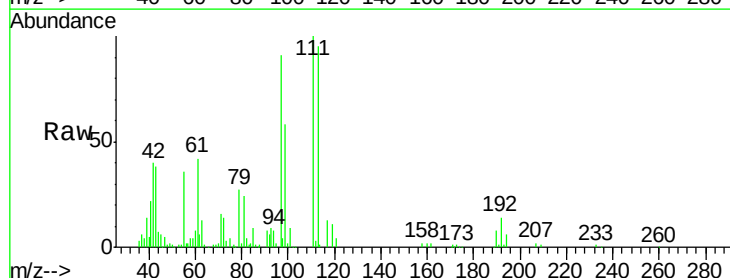
Tgt Ion: 97 Resp: 98554

Ion Ratio Lower Upper

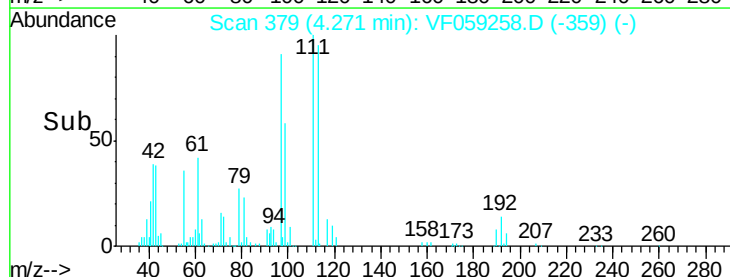
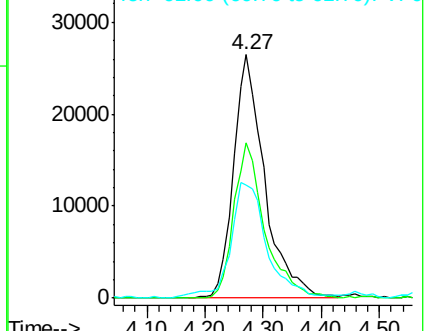
97 100

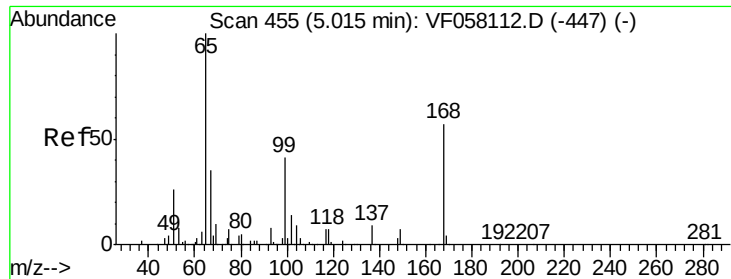
99 63.7 52.0 78.0

61 46.3 44.3 66.5



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

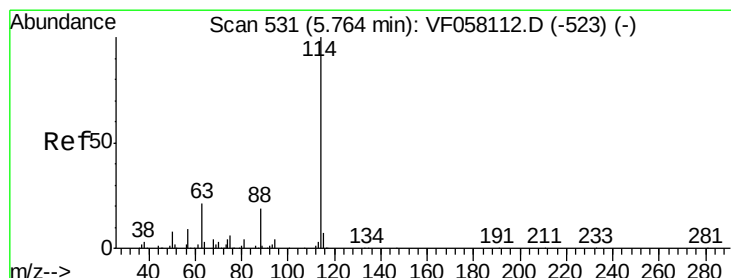
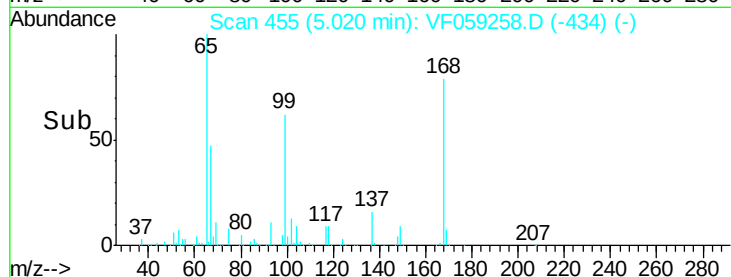
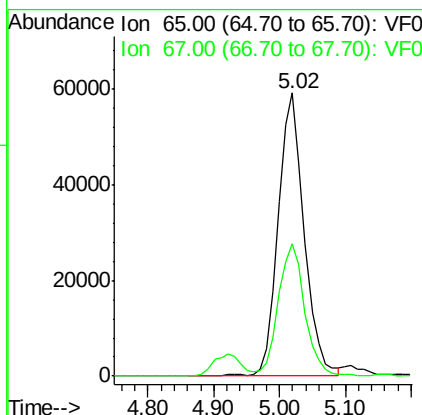
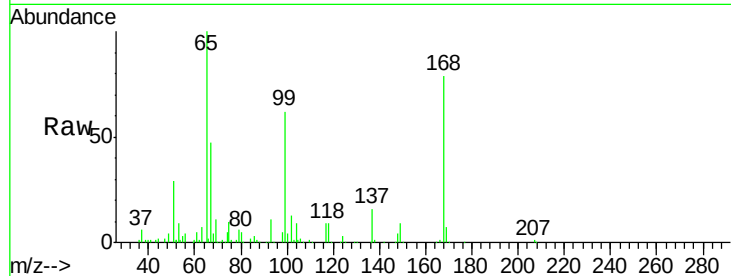




#33
 1,2-Dichloroethane-d4
 Concen: 53.87 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: VF059258.D
 Acq: 21 Jun 2018 12:13

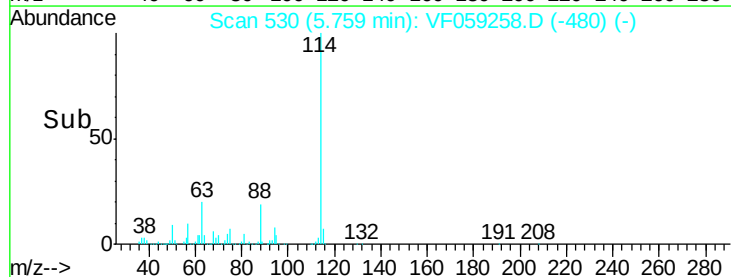
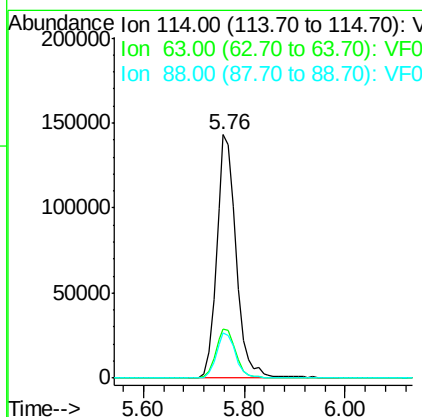
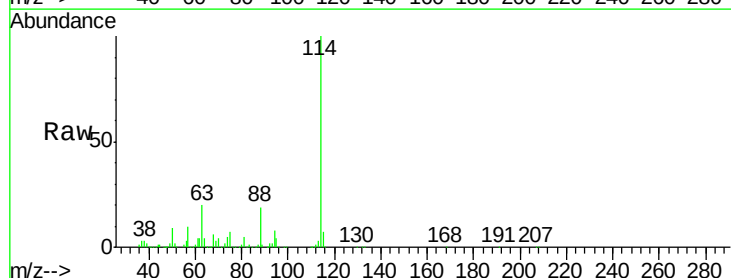
Instrument :
 MSVOA_F
 ClientSampleId :

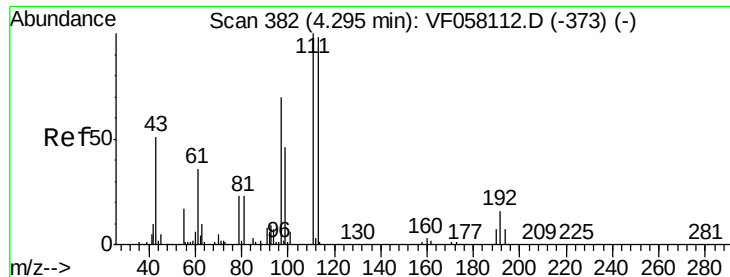
Tot Ion: 65 Resp: 161769
 Ion Ratio Lower Upper
 65 100
 67 46.7 0.0 97.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. -0.00 min
 Lab File: VF059258.D
 Acq: 21 Jun 2018 12:13

Tgt Ion: 114 Resp: 388741
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 41.6
 88 18.7 0.0 38.8





#35

Dibromofluoromethane

Concen: 53.44 ug/l

RT: 4.29 min Scan# 381

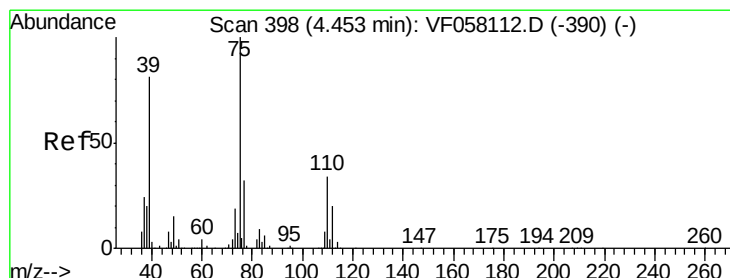
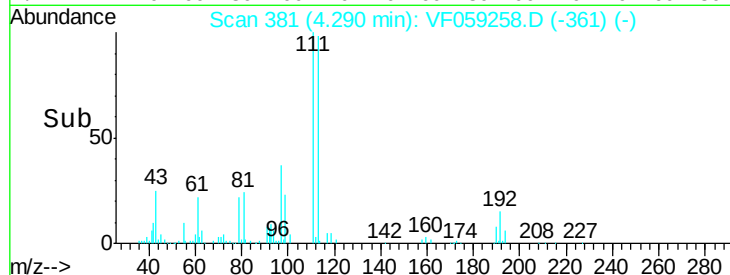
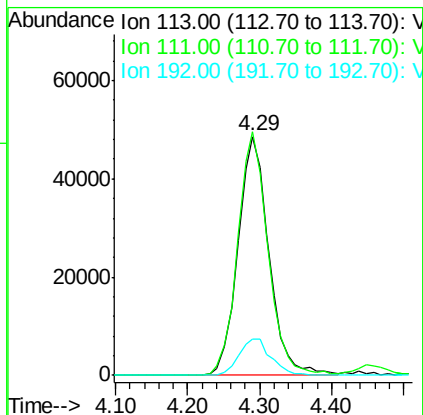
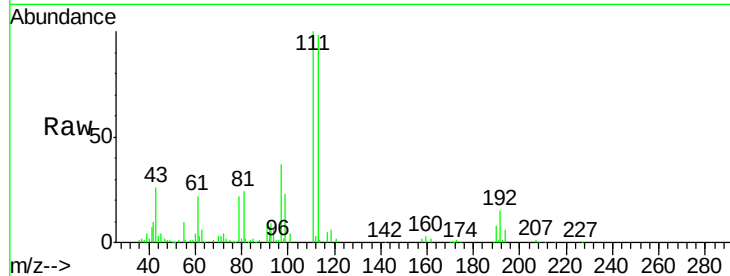
Delta R.T. -0.00 min

Lab File: VF059258.D

Acq: 21 Jun 2018 12:13

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	113	Resp:	145763
Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.3	121.9
192	15.2	12.7	19.1



#36

1,1-Dichloropropene

Concen: 22.29 ug/l

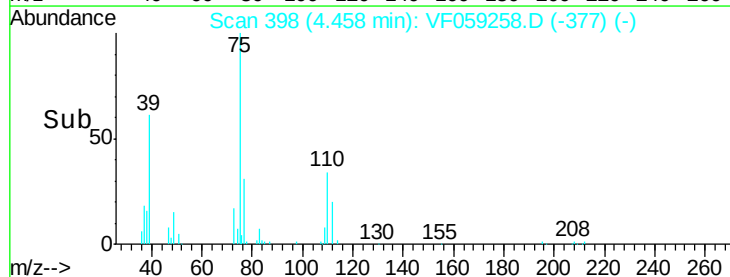
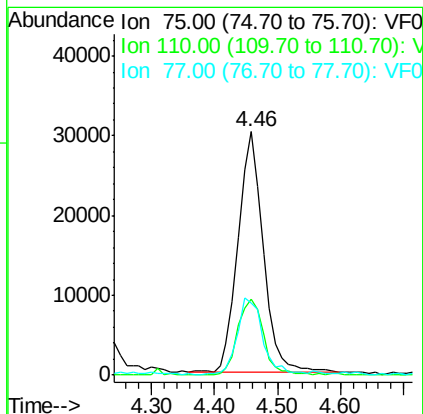
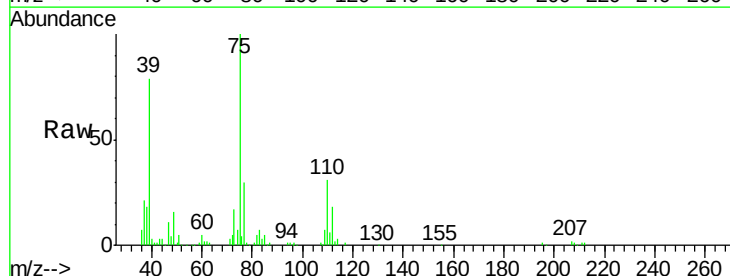
RT: 4.46 min Scan# 398

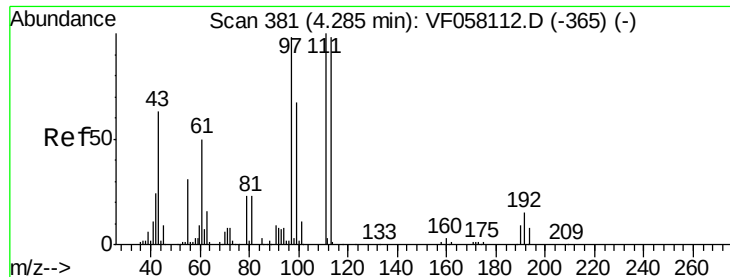
Delta R.T. 0.00 min

Lab File: VF059258.D

Acq: 21 Jun 2018 12:13

Tgt Ion:	75	Resp:	83985
Ion	Ratio	Lower	Upper
75	100		
110	31.3	17.0	50.9
77	29.7	25.3	37.9

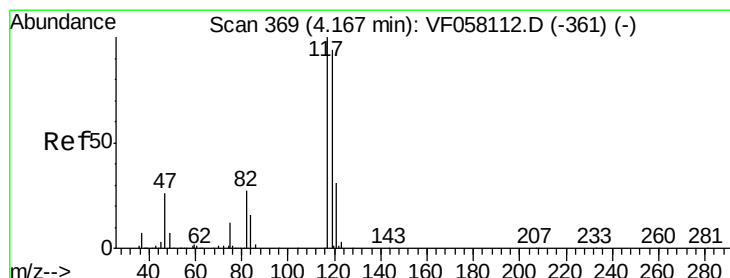
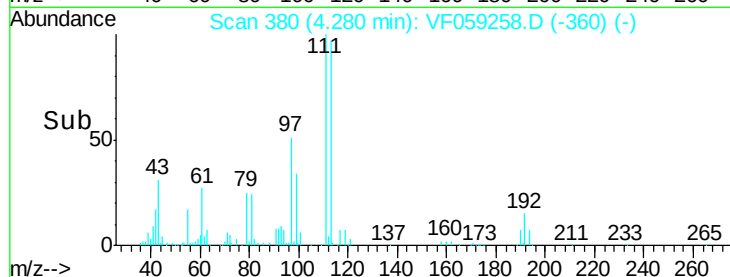
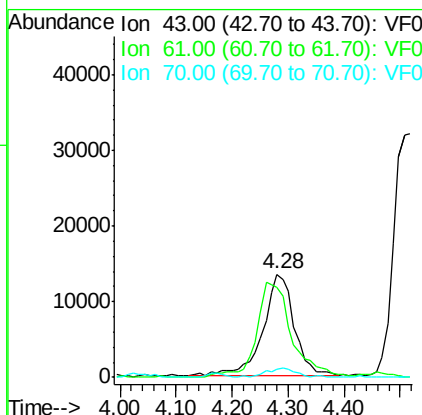
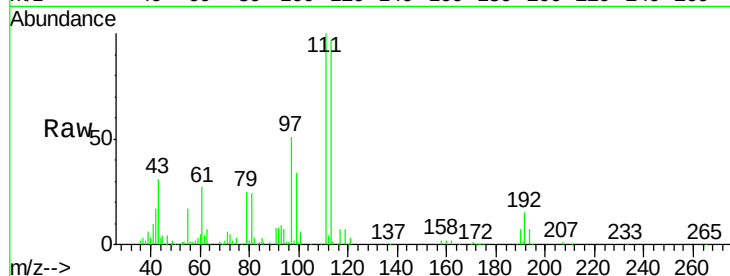




#37
Ethyl Acetate
Concen: 22.68 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.00 min
Lab File: VF059258.D
Acq: 21 Jun 2018 12:13

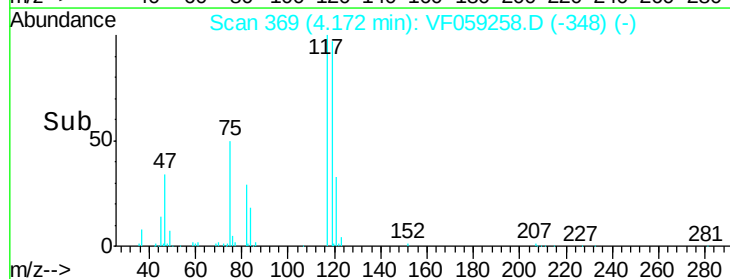
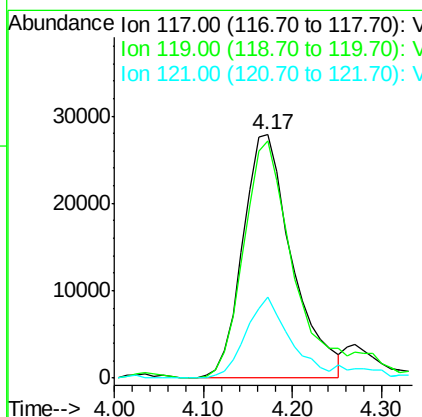
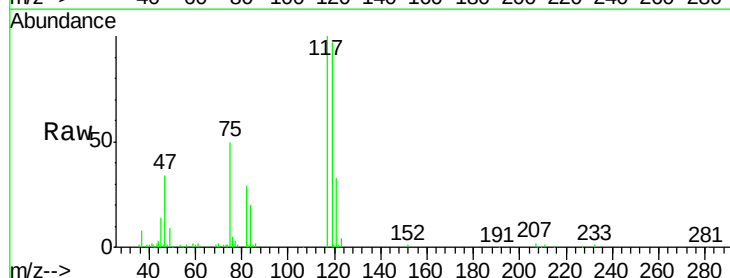
Instrument :
MSVOA_F
ClientSampleId :

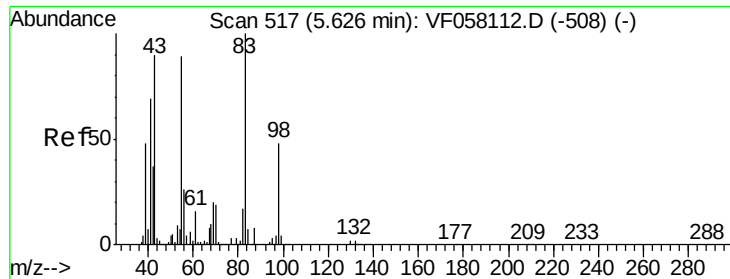
Tot Ion: 43 Resp: 52793
Ion Ratio Lower Upper
43 100
61 87.5 63.0 94.4
70 7.6 7.5 11.3



#38
Carbon Tetrachloride
Concen: 26.21 ug/l
RT: 4.17 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF059258.D
Acq: 21 Jun 2018 12:13

Tgt Ion: 117 Resp: 107053
Ion Ratio Lower Upper
117 100
119 97.3 75.7 113.5
121 33.4 24.8 37.2

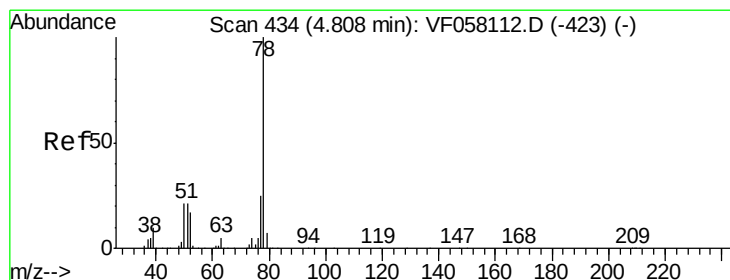
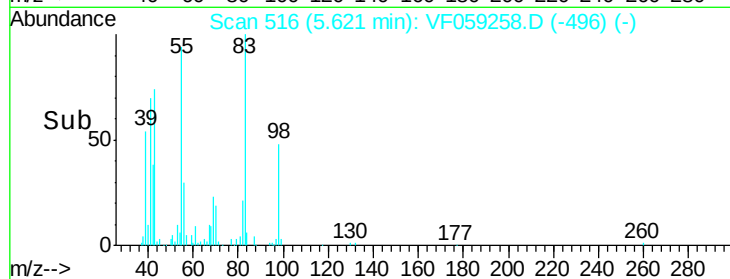
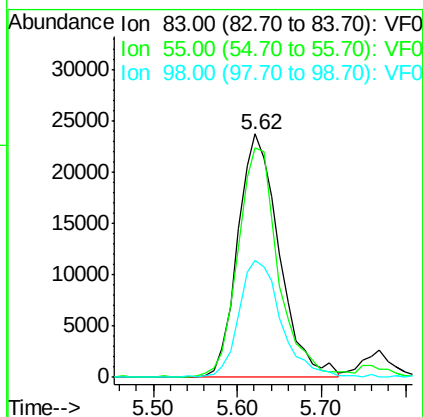
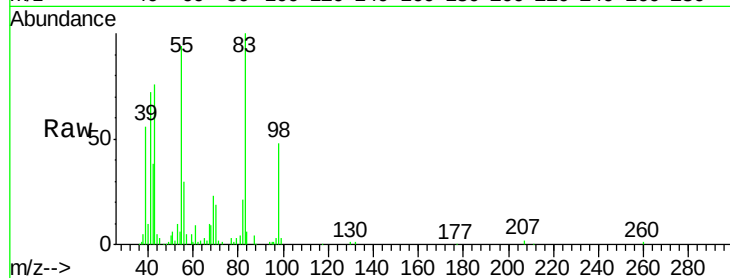




#39
Methylvlcyclohexane
Concen: 21.27 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.00 min
Lab File: VF059258.D
Acq: 21 Jun 2018 12:13

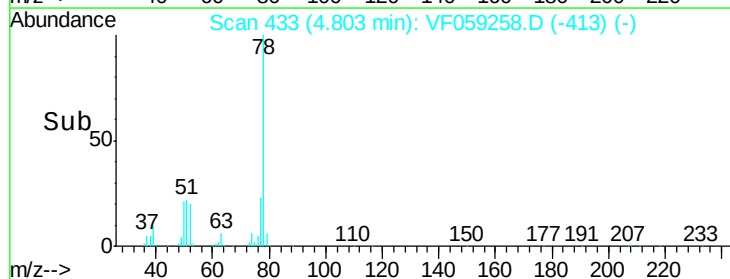
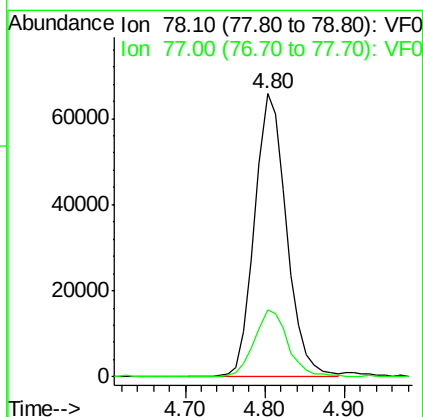
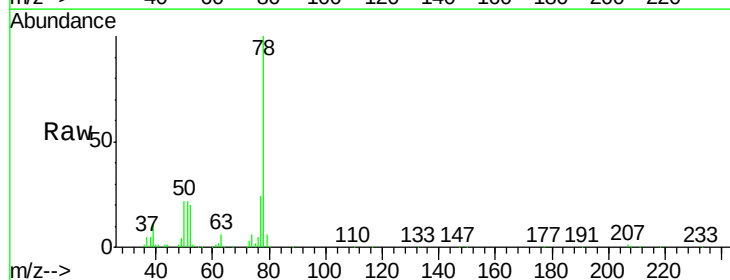
Instrument :
MSVOA_F
ClientSampleId :

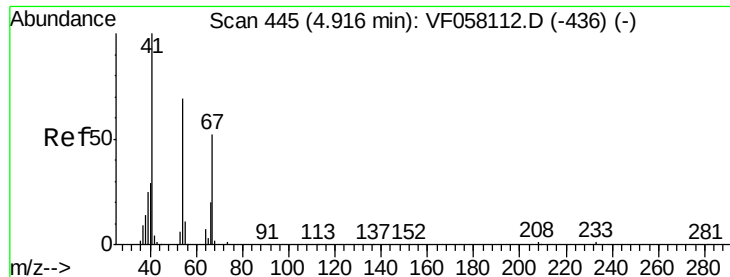
Tot Ion: 83 Resp: 81688
Ion Ratio Lower Upper
83 100
55 94.1 71.0 106.4
98 48.1 38.1 57.1



#40
Benzene
Concen: 20.83 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.00 min
Lab File: VF059258.D
Acq: 21 Jun 2018 12:13

Tgt Ion: 78 Resp: 182220
Ion Ratio Lower Upper
78 100
77 23.6 20.2 30.2

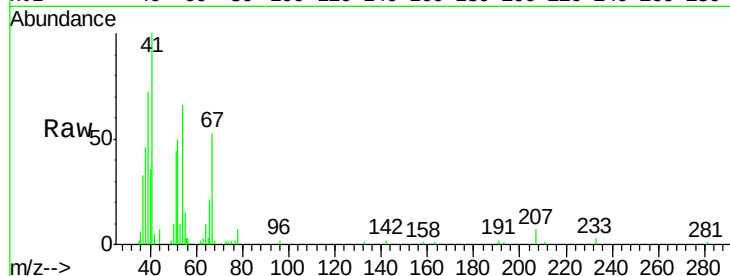




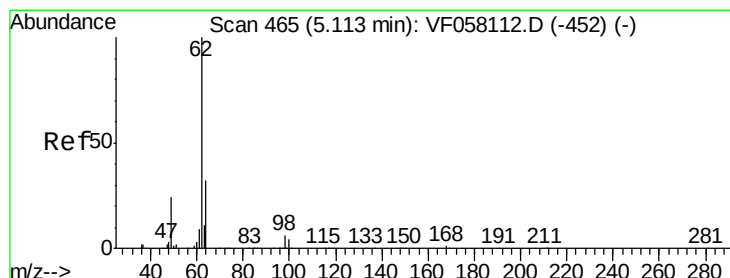
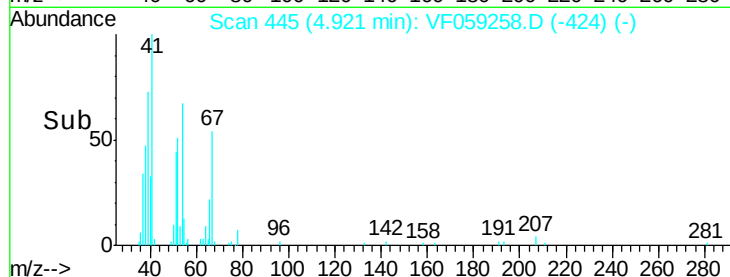
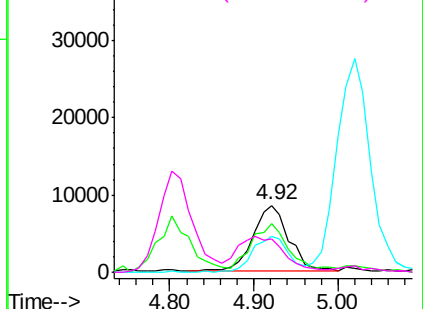
#41
Methacrylonitrile
Concen: 22.29 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF059258.D
Acq: 21 Jun 2018 12:13

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:	41	Resp:	25497
Ion	Ratio	Lower	Upper
41	100		
39	72.5	53.0	79.4
67	52.7	41.0	61.6
52	49.6	36.8	55.2

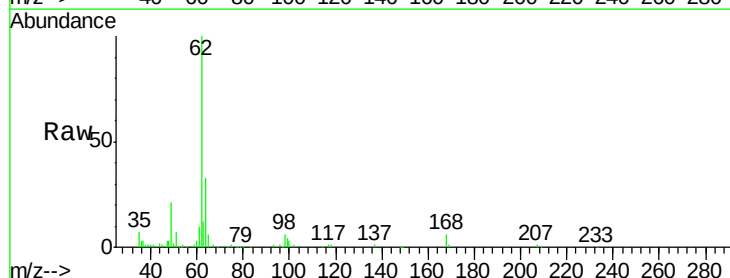


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

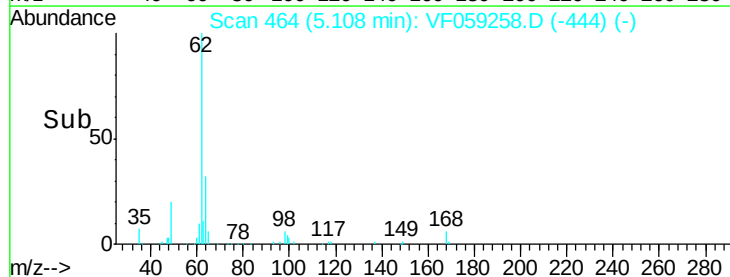
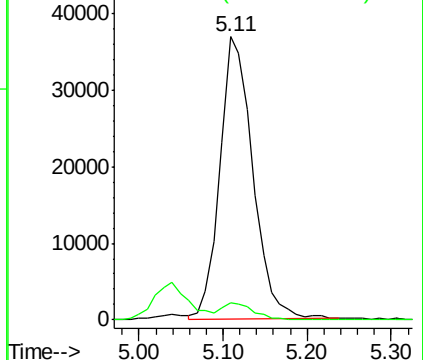


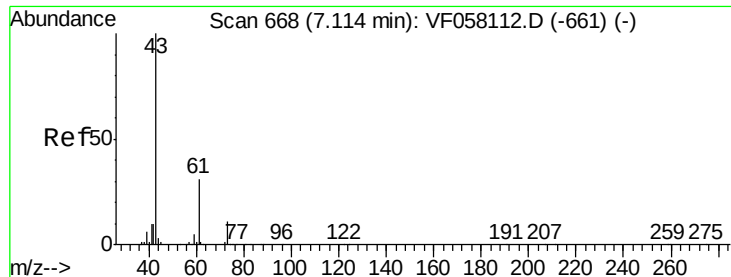
#42
1,2-Dichloroethane
Concen: 25.56 ug/l
RT: 5.11 min Scan# 464
Delta R.T. -0.00 min
Lab File: VF059258.D
Acq: 21 Jun 2018 12:13

Tgt Ion:	62	Resp:	100255
Ion	Ratio	Lower	Upper
62	100		
98	6.2	0.0	11.8



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





#43

Isopropyl Acetate

Concen: 20.73 ug/l

RT: 7.11 min Scan# 667

Delta R.T. -0.00 min

Lab File: VF059258.D

Acq: 21 Jun 2018 12:13

Instrument :

MSVOA_F

ClientSampleId :

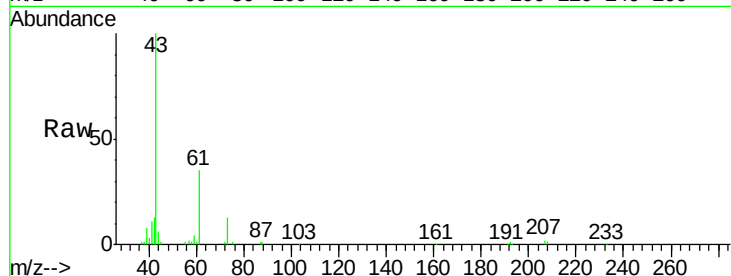
Tot Ion: 43 Resp: 64640

Ion Ratio Lower Upper

43 100

61 34.7 25.1 37.7

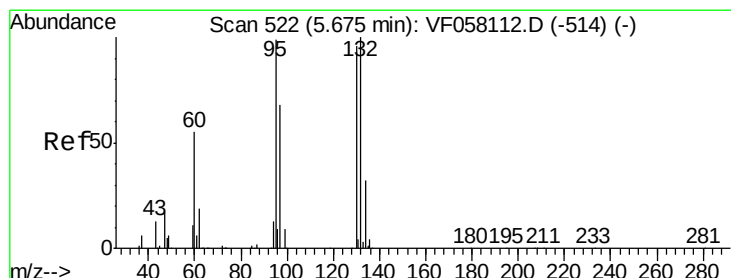
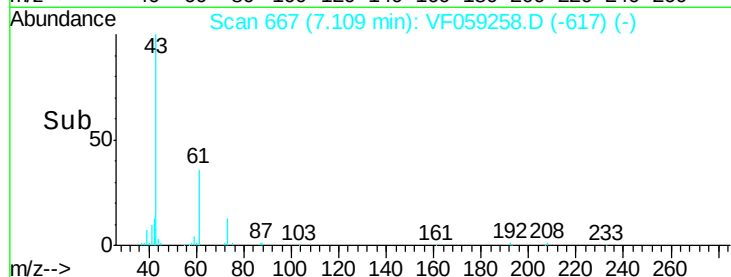
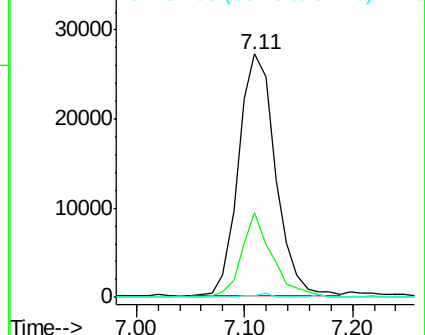
87 0.7 0.2 0.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 22.97 ug/l

RT: 5.67 min Scan# 521

Delta R.T. -0.00 min

Lab File: VF059258.D

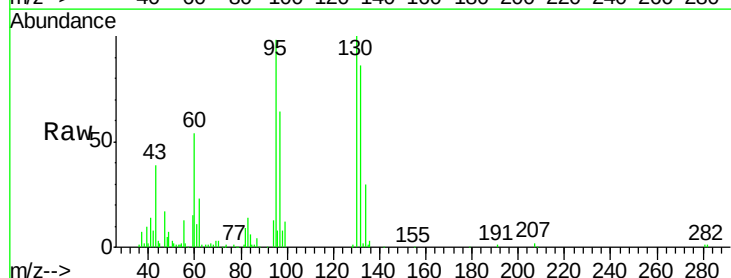
Acq: 21 Jun 2018 12:13

Tgt Ion: 130 Resp: 62781

Ion Ratio Lower Upper

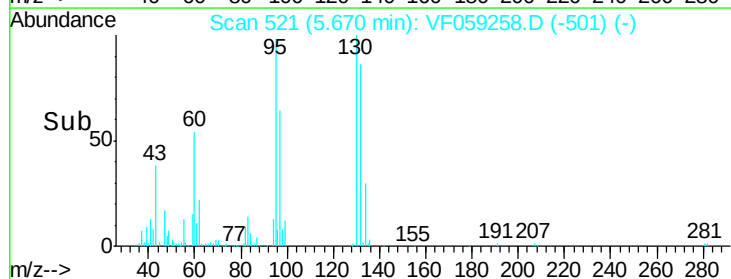
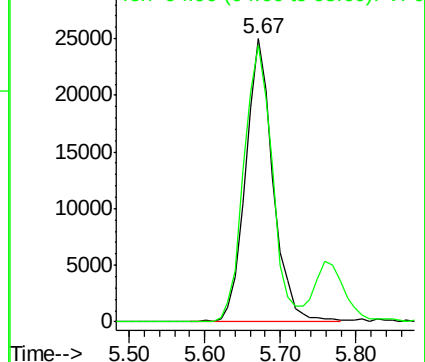
130 100

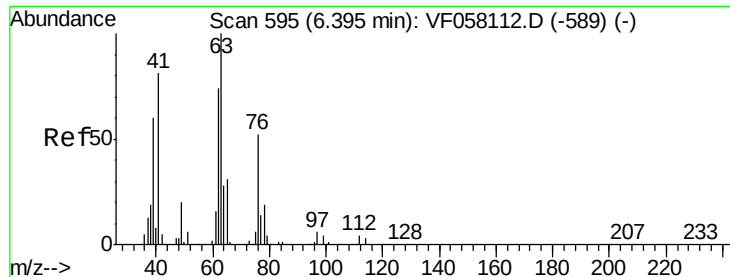
95 97.7 0.0 206.8



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 22.23 ug/l

RT: 6.40 min Scan# 595

Delta R.T. 0.00 min

Lab File: VF059258.D

Acq: 21 Jun 2018 12:13

Instrument :

MSVOA_F

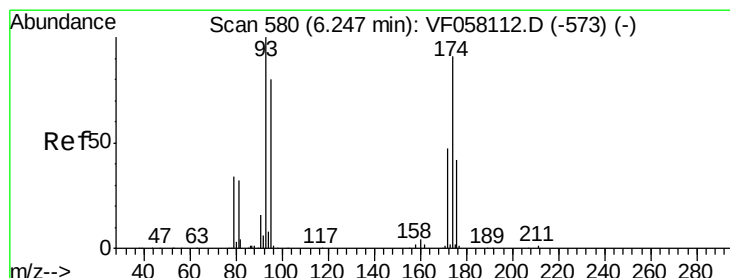
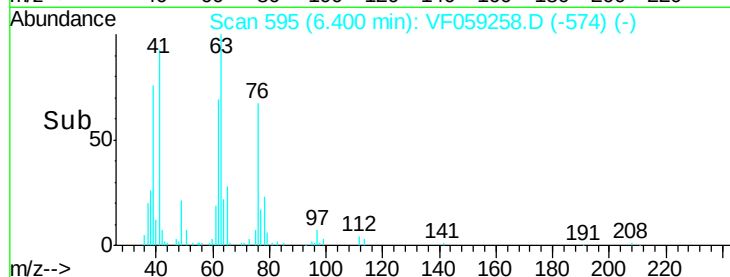
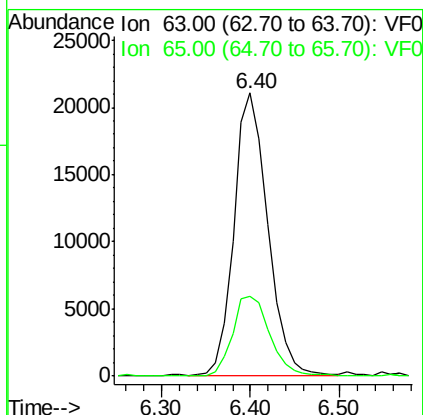
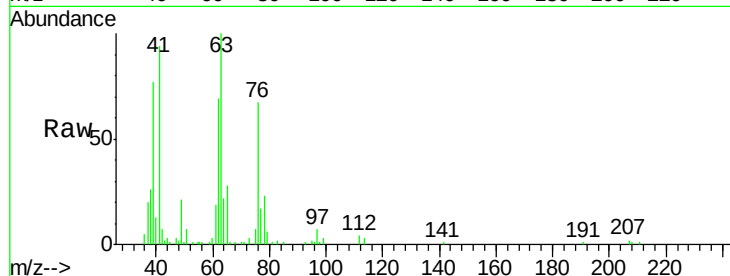
ClientSampleId :

Tot Ion: 63 Resp: 56054

Ion Ratio Lower Upper

63 100

65 28.3 24.6 37.0



#46

Dibromomethane

Concen: 23.39 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF059258.D

Acq: 21 Jun 2018 12:13

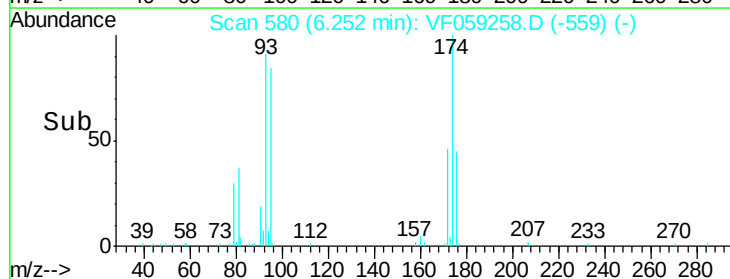
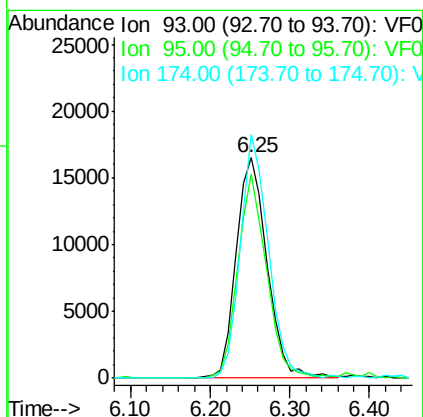
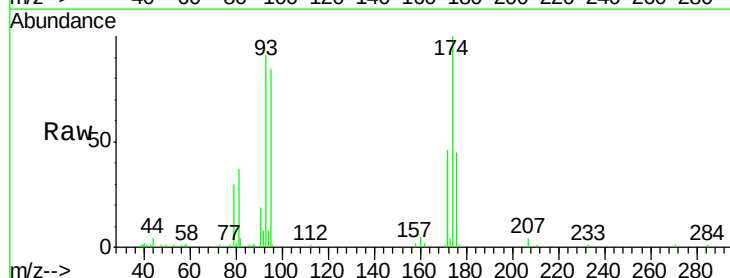
Tgt Ion: 93 Resp: 44386

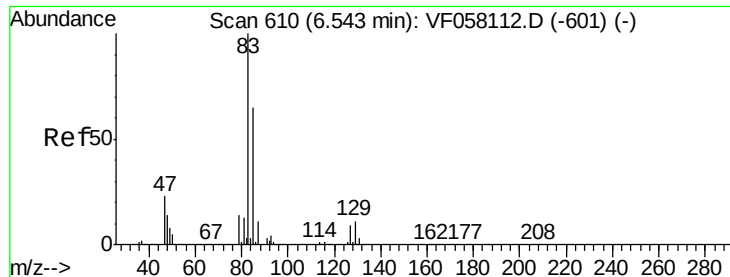
Ion Ratio Lower Upper

93 100

95 93.5 64.2 96.4

174 110.5 72.7 109.1#





#47

Bromodichloromethane

Concen: 23.90 ug/l

RT: 6.55 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF059258.D

Acq: 21 Jun 2018 12:13

Instrument :
MSVOA_F
ClientSampleId :

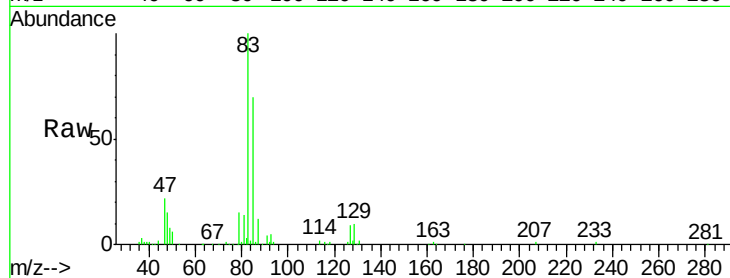
Tot Ion: 83 Resp: 103163

Ion Ratio Lower Upper

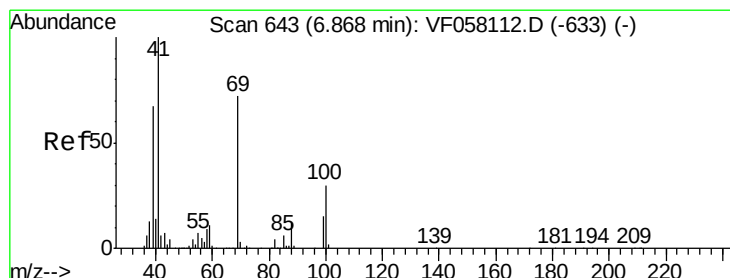
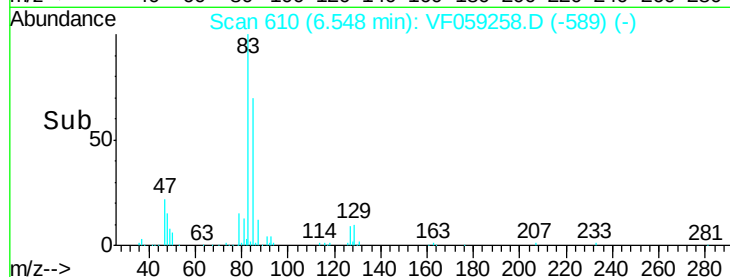
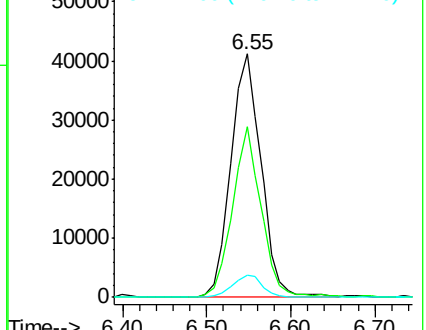
83 100

85 70.0 51.6 77.4

127 9.2 7.2 10.8



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: 21.02 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.00 min

Lab File: VF059258.D

Acq: 21 Jun 2018 12:13

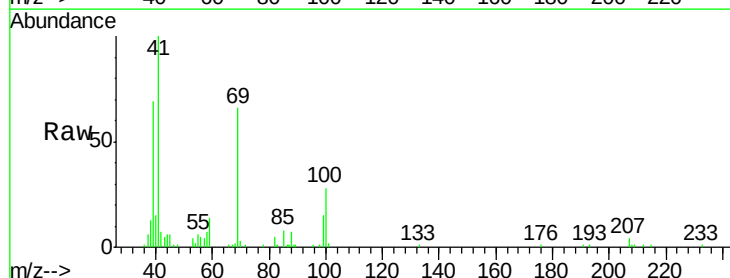
Tgt Ion: 41 Resp: 40413

Ion Ratio Lower Upper

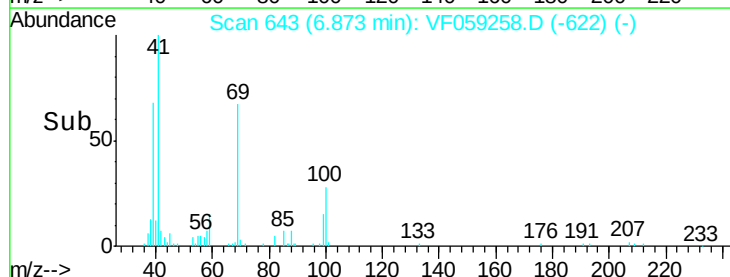
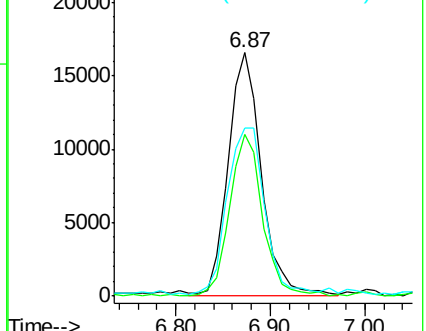
41 100

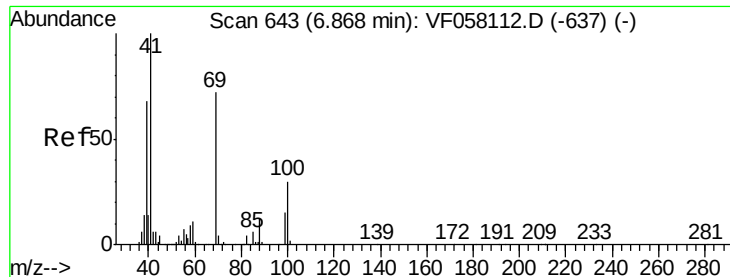
69 66.5 57.2 85.8

39 69.0 54.3 81.5



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: 304.28 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.00 min

Lab File: VF059258.D

Acq: 21 Jun 2018 12:13

Instrument :
MSVOA_F
ClientSampleId :

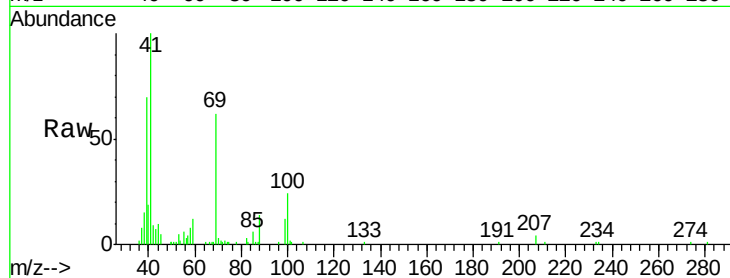
Tot Ion: 88 Resp: 4459

Ion Ratio Lower Upper

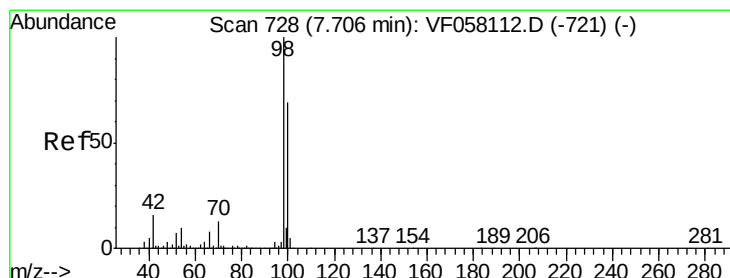
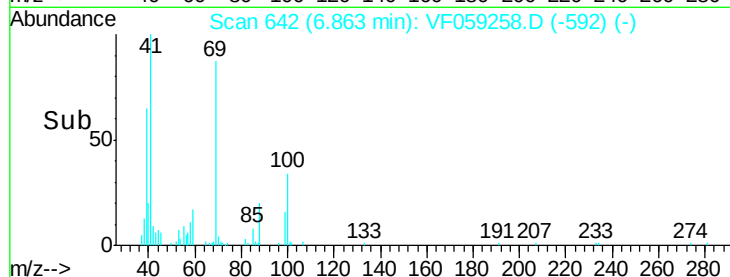
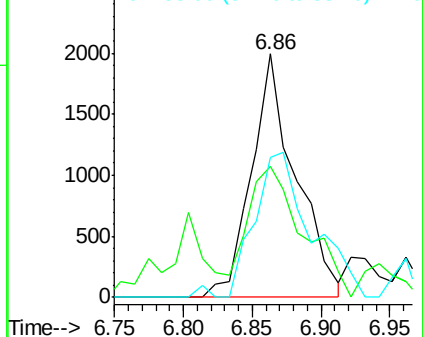
88 100

43 53.7 47.8 71.8

58 57.5 59.4 89.0#



Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 46.20 ug/l

RT: 7.71 min Scan# 728

Delta R.T. 0.00 min

Lab File: VF059258.D

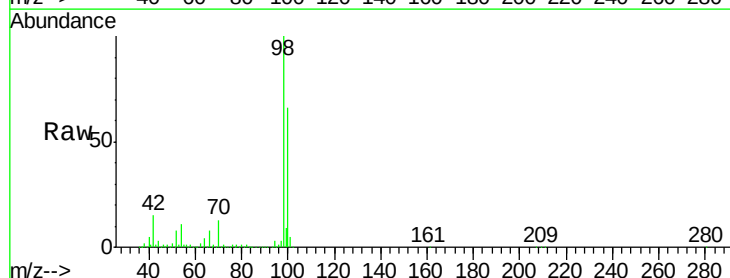
Acq: 21 Jun 2018 12:13

Tgt Ion: 98 Resp: 370248

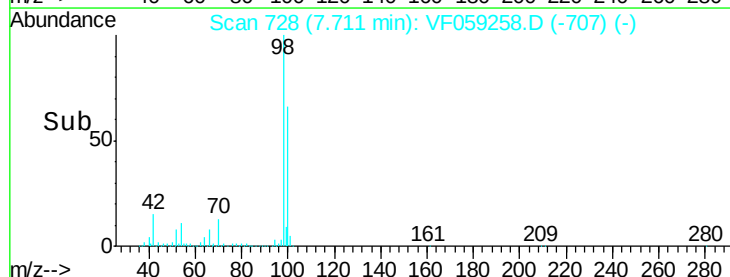
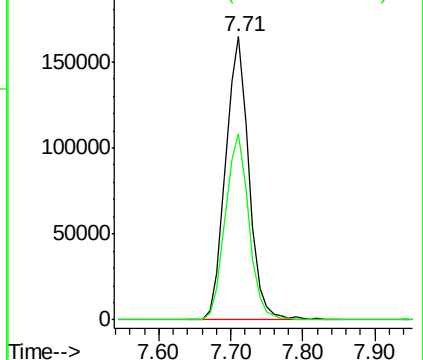
Ion Ratio Lower Upper

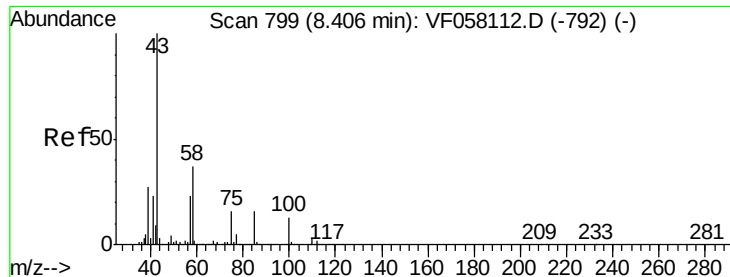
98 100

100 65.7 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 117.33 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.00 min

Lab File: VF059258.D

Acq: 21 Jun 2018 12:13

Instrument :

MSVOA_F

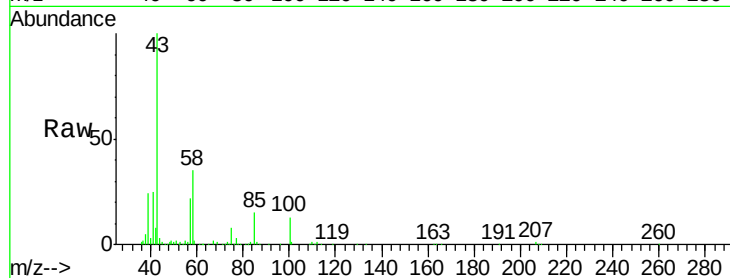
ClientSampleId :

Tot Ion: 43 Resp: 250748

Ion Ratio Lower Upper

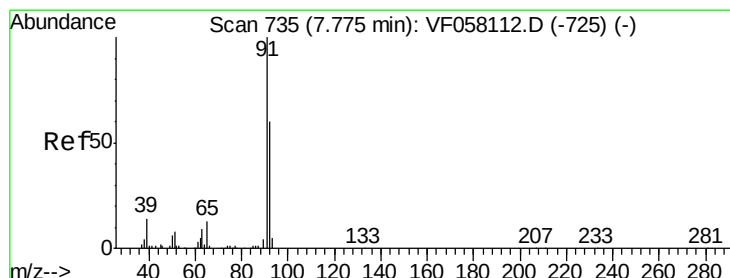
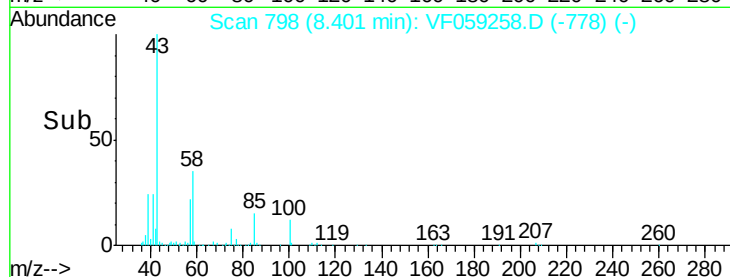
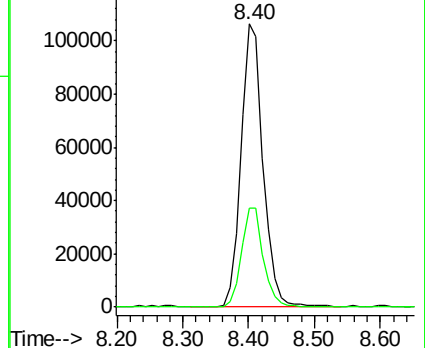
43 100

58 35.0 29.4 44.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 21.51 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059258.D

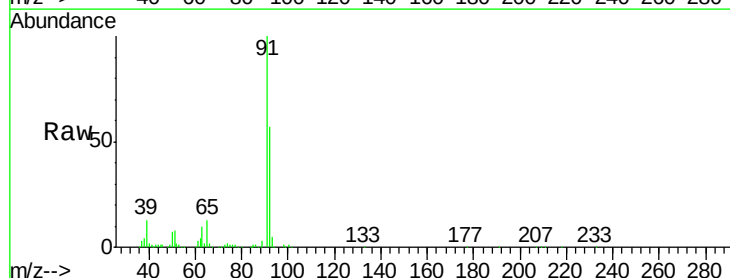
Acq: 21 Jun 2018 12:13

Tgt Ion: 92 Resp: 135513

Ion Ratio Lower Upper

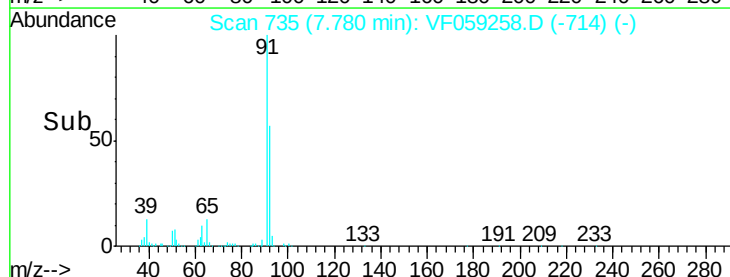
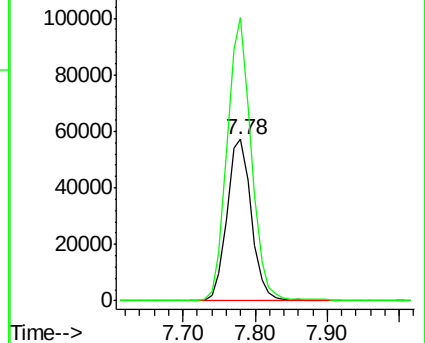
92 100

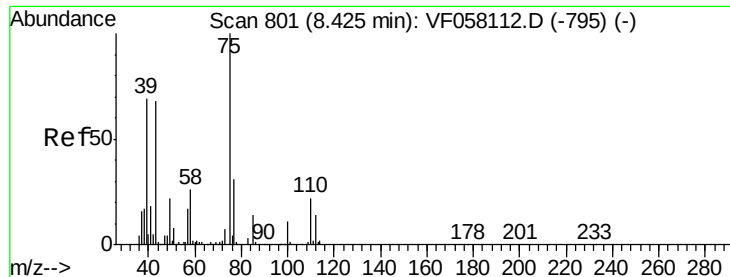
91 175.1 132.9 199.3



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: 23.20 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.00 min

Lab File: VF059258.D

Acq: 21 Jun 2018 12:13

Instrument :

MSVOA_F

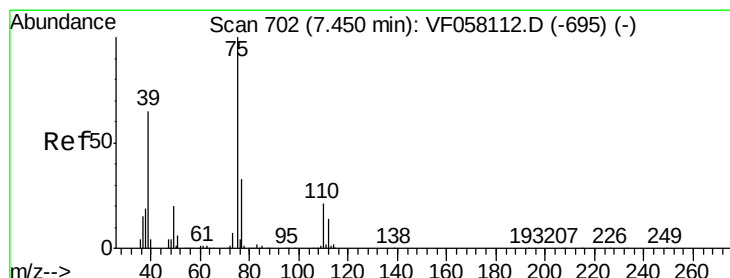
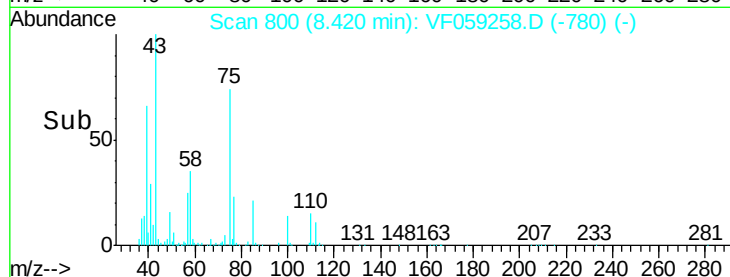
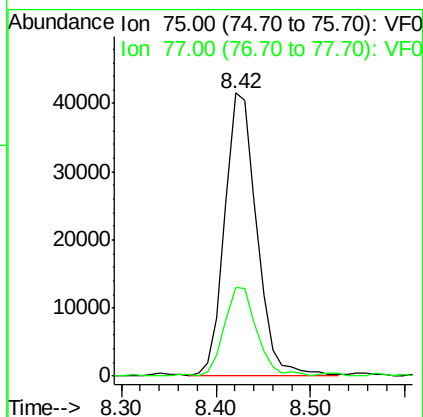
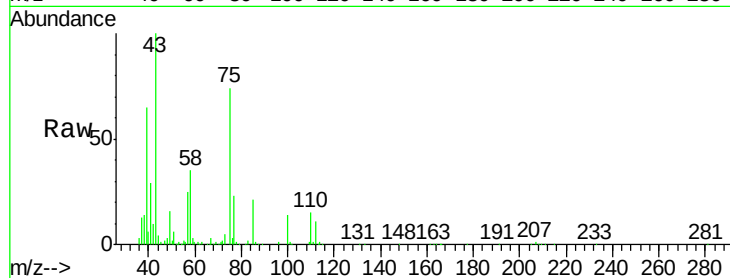
ClientSampleId :

Tot Ion: 75 Resp: 96992

Ion Ratio Lower Upper

75 100

77 31.2 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 23.05 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF059258.D

Acq: 21 Jun 2018 12:13

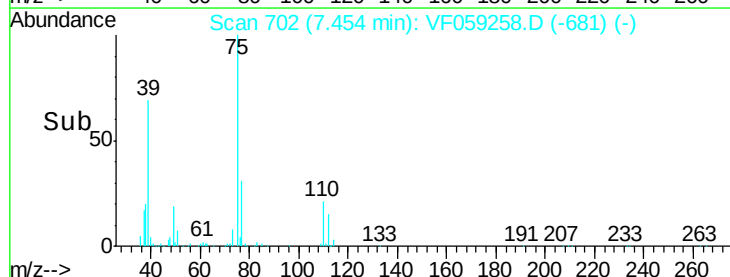
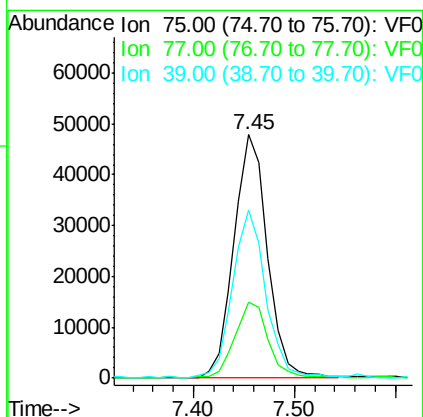
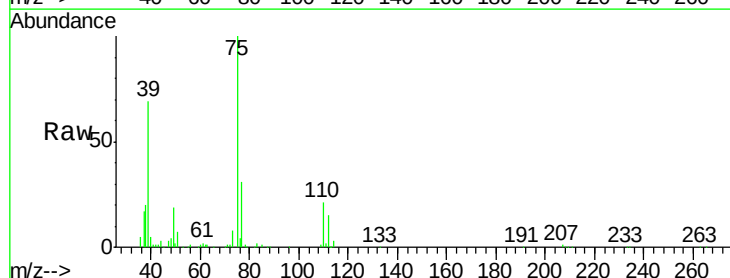
Tgt Ion: 75 Resp: 110705

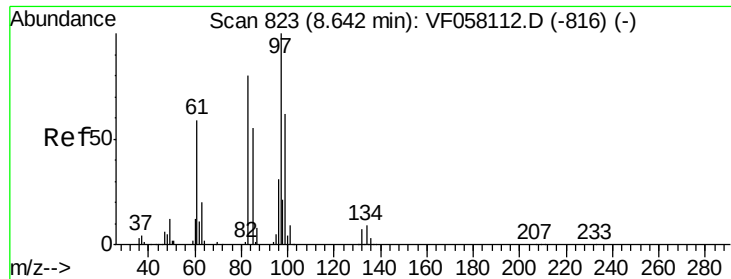
Ion Ratio Lower Upper

75 100

77 31.1 26.3 39.5

39 68.9 52.1 78.1





#55

1,1,2-Trichloroethane

Concen: 22.29 ug/l

RT: 8.64 min Scan# 822

Delta R.T. -0.00 min

Lab File: VF059258.D

Acq: 21 Jun 2018 12:13

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 97 Resp: 50874

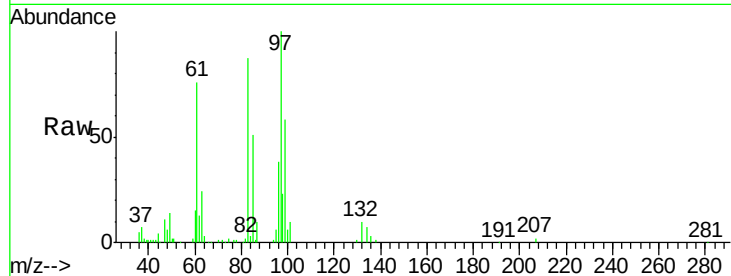
Ion	Ratio	Lower	Upper
97	100		
83	87.3	64.3	96.5
85	51.2	43.8	65.8
99	58.1	49.8	74.8

97 100

83 87.3 64.3 96.5

85 51.2 43.8 65.8

99 58.1 49.8 74.8

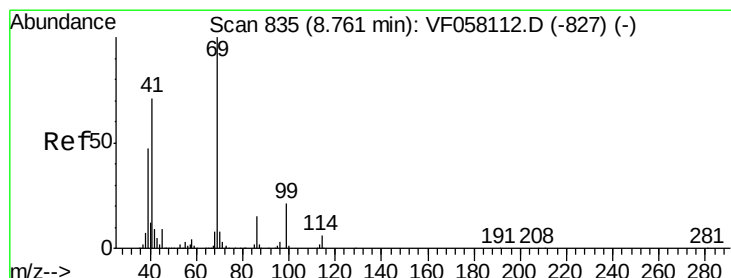
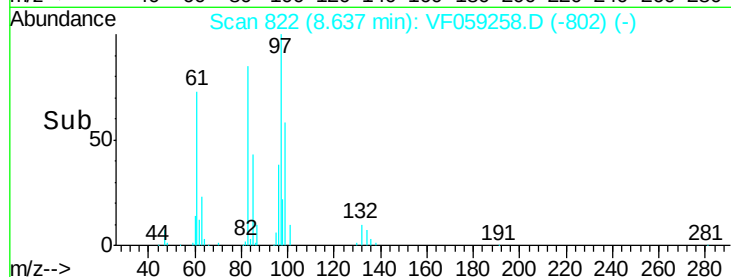
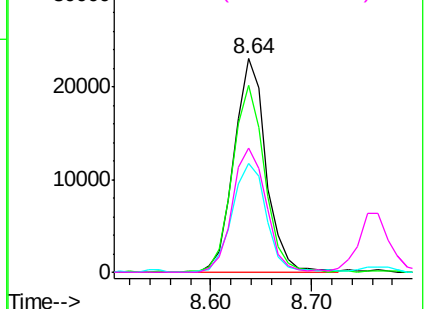


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 20.78 ug/l

RT: 8.76 min Scan# 834

Delta R.T. -0.00 min

Lab File: VF059258.D

Acq: 21 Jun 2018 12:13

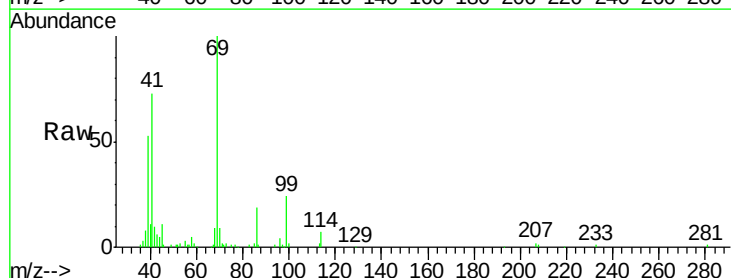
Tgt Ion: 69 Resp: 59803

Ion	Ratio	Lower	Upper
69	100		
41	72.7	56.9	85.3
39	52.8	38.0	57.0

69 100

41 72.7 56.9 85.3

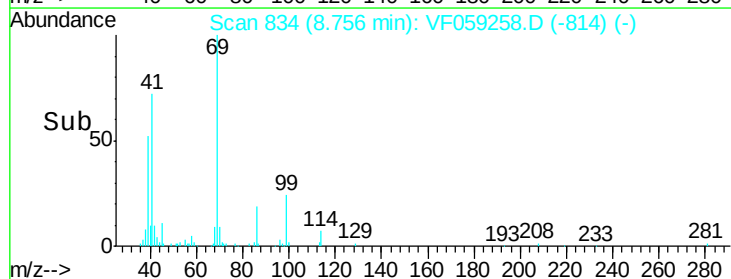
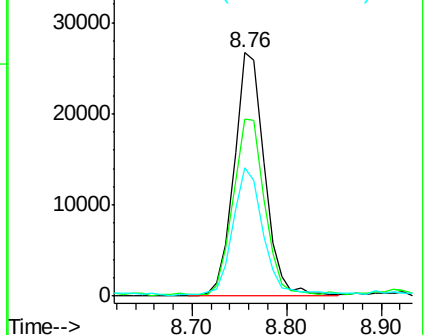
39 52.8 38.0 57.0

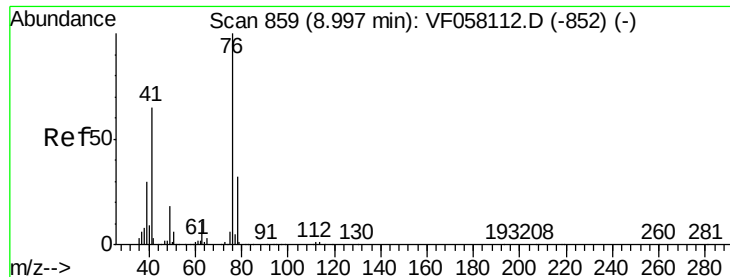


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 23.10 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF059258.D

Acq: 21 Jun 2018 12:13

Instrument :

MSVOA_F

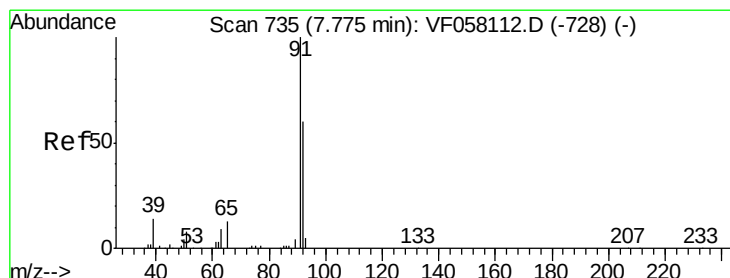
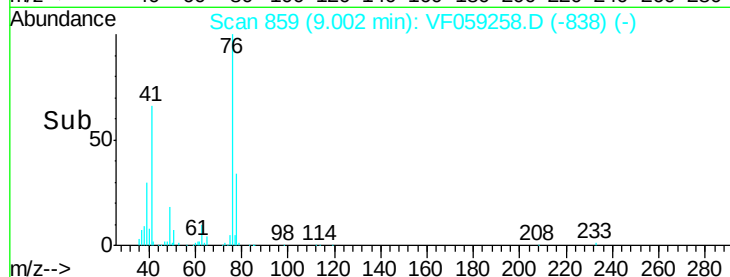
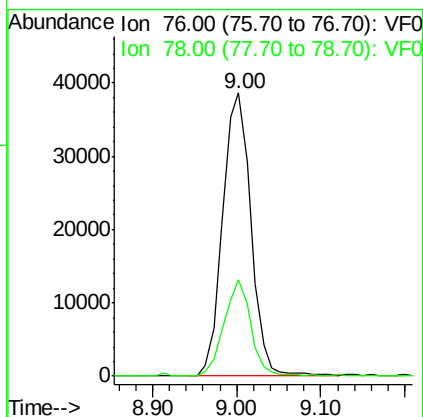
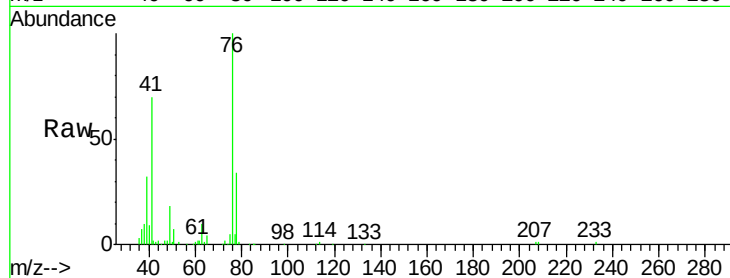
ClientSampleId :

Tot Ion: 76 Resp: 90193

Ion Ratio Lower Upper

76 100

78 34.2 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 115.66 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059258.D

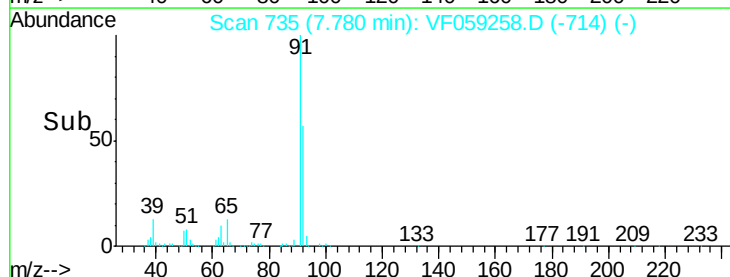
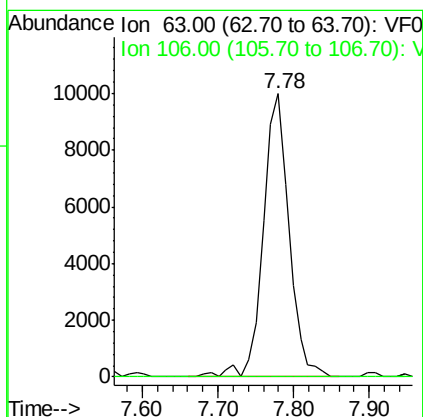
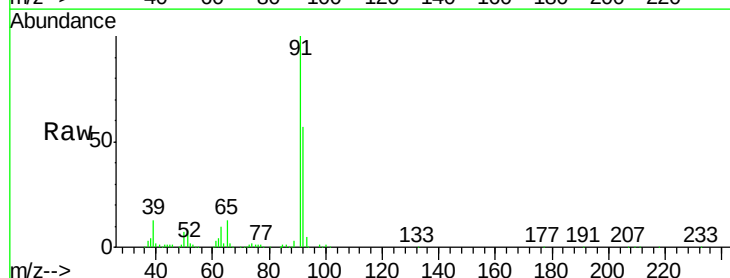
Acq: 21 Jun 2018 12:13

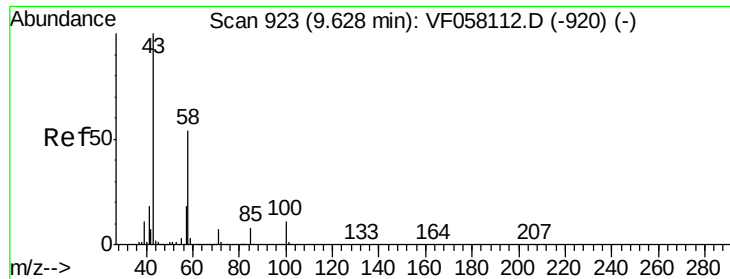
Tgt Ion: 63 Resp: 23797

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

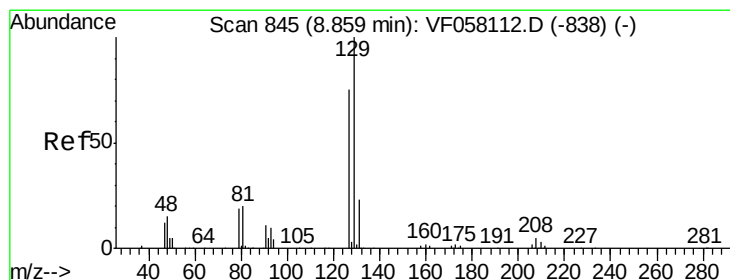
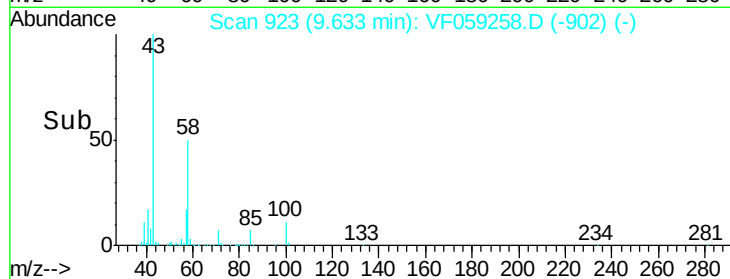
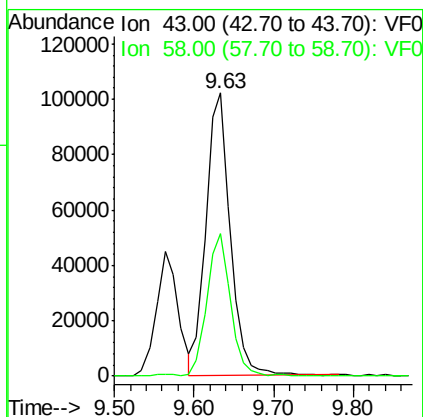
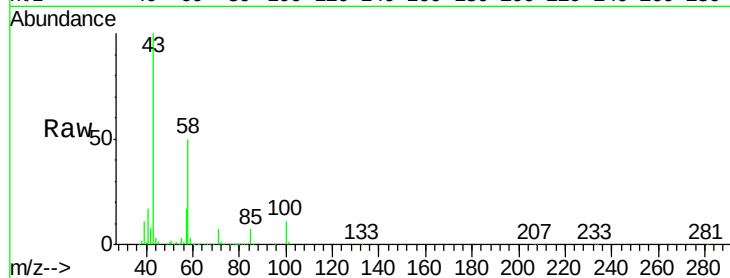




#59
2-Hexanone
Concen: 128.46 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF059258.D
Acq: 21 Jun 2018 12:13

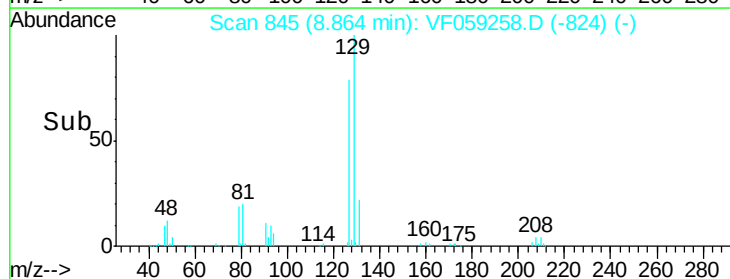
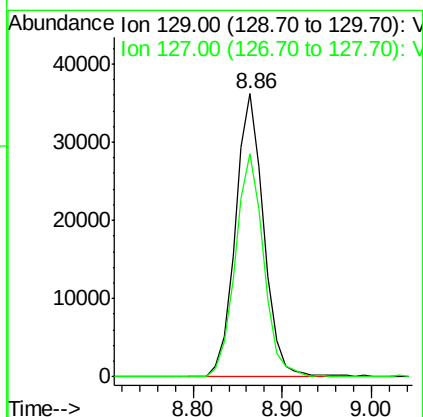
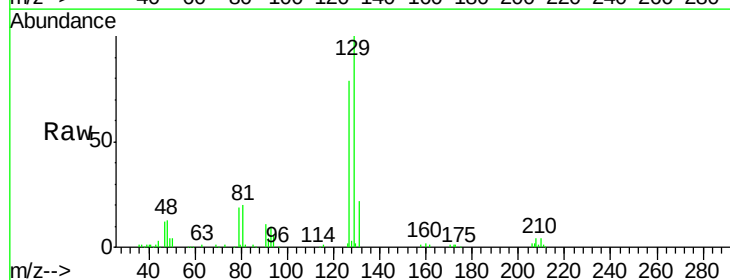
Instrument :
MSVOA_F
ClientSampleId :

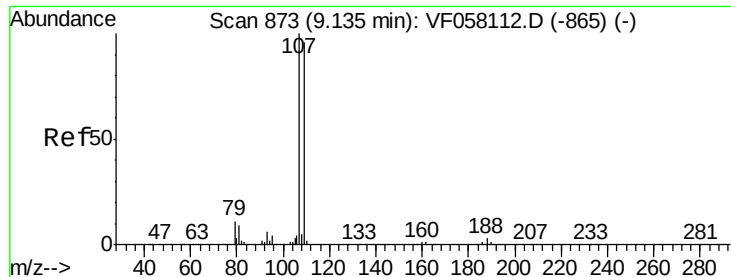
Tot Ion: 43 Resp: 217153
Ion Ratio Lower Upper
43 100
58 50.2 26.3 78.8



#60
Dibromochloromethane
Concen: 24.39 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF059258.D
Acq: 21 Jun 2018 12:13

Tgt Ion:129 Resp: 80022
Ion Ratio Lower Upper
129 100
127 77.3 37.6 112.9





#61

1,2-Dibromoethane

Concen: 22.75 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF059258.D

Acq: 21 Jun 2018 12:13

Instrument :

MSVOA_F

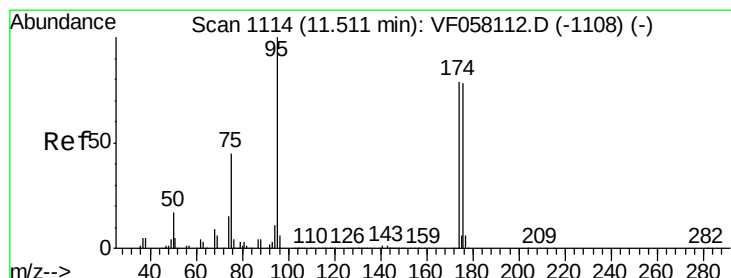
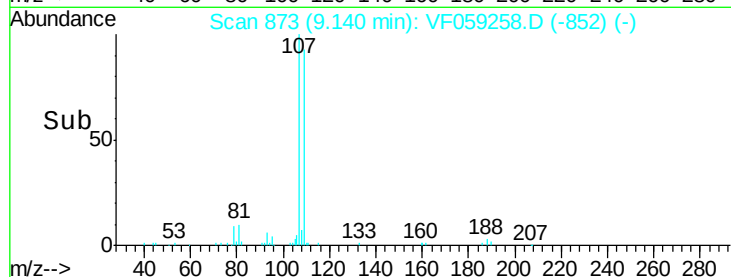
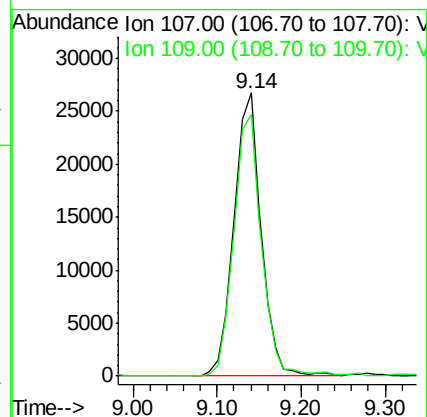
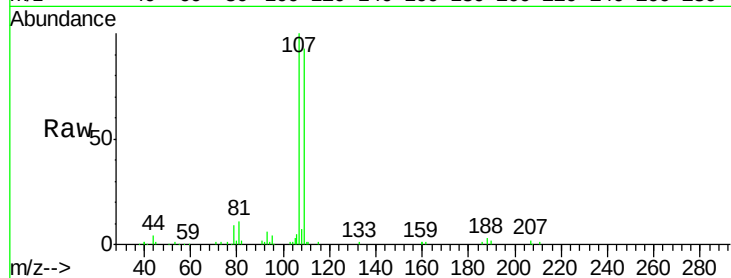
ClientSampleId :

Tot Ion:107 Resp: 60337

Ion Ratio Lower Upper

107 100

109 92.6 76.6 115.0



#62

4-Bromofluorobenzene

Concen: 50.71 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF059258.D

Acq: 21 Jun 2018 12:13

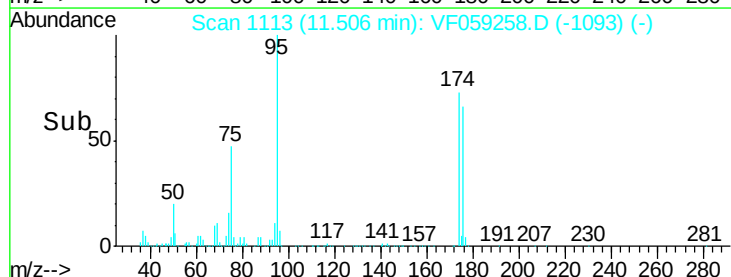
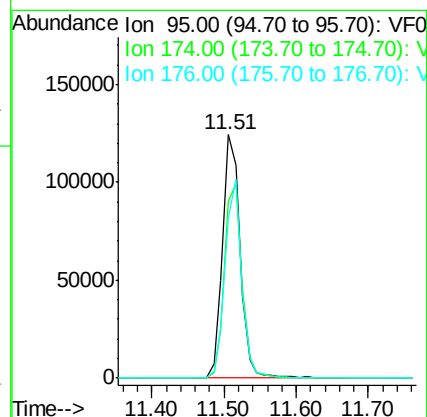
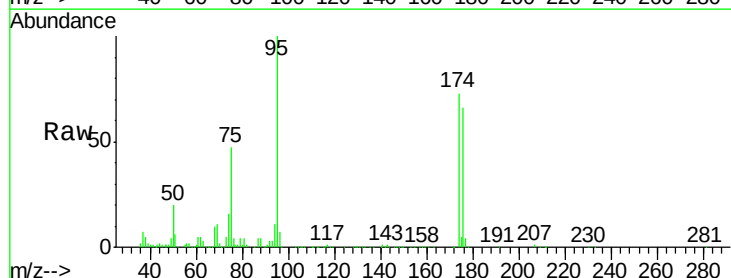
Tgt Ion: 95 Resp: 208440

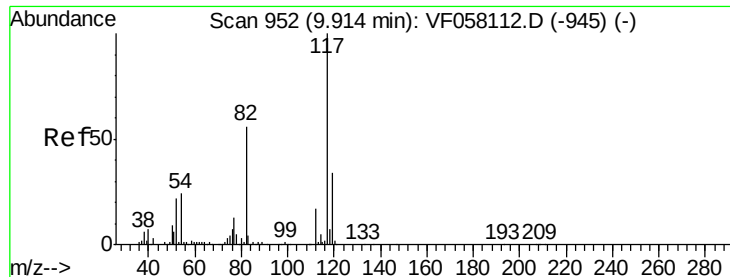
Ion Ratio Lower Upper

95 100

174 72.7 0.0 157.8

176 65.9 0.0 155.8

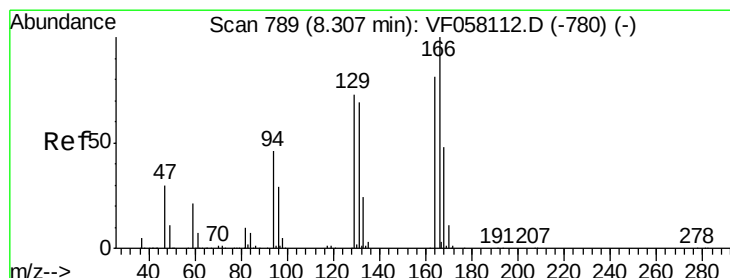
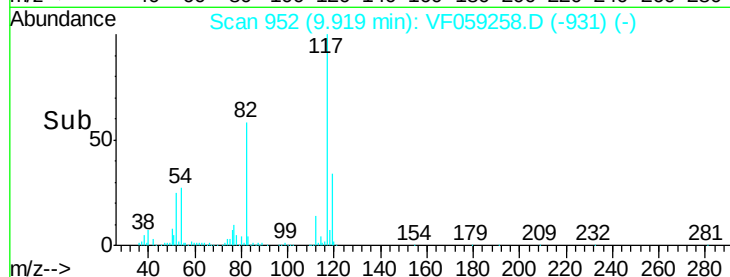
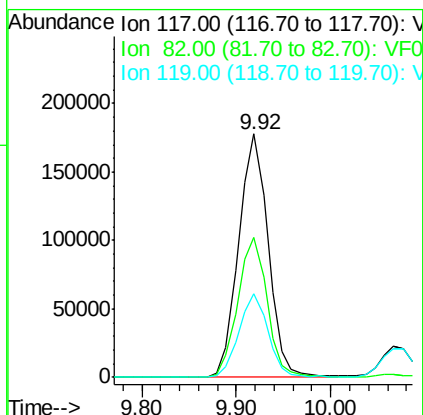
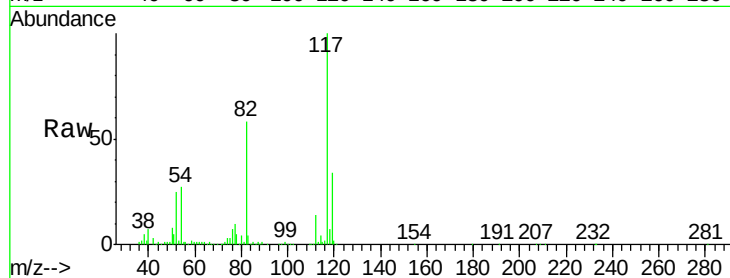




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059258.D
Acq: 21 Jun 2018 12:13

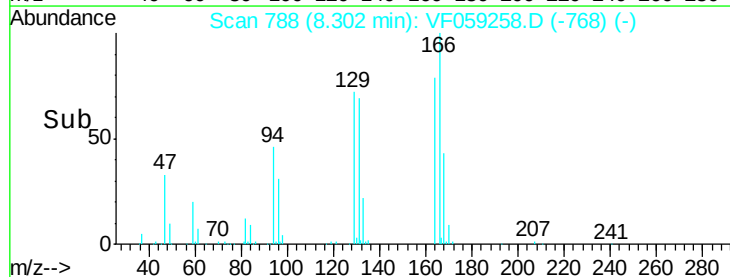
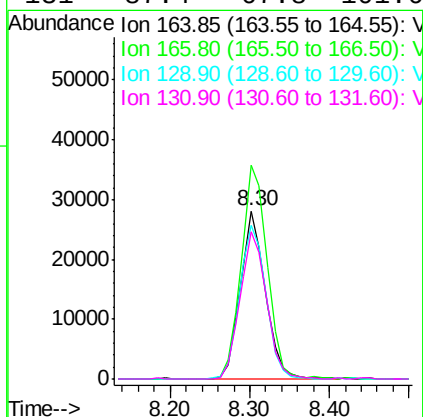
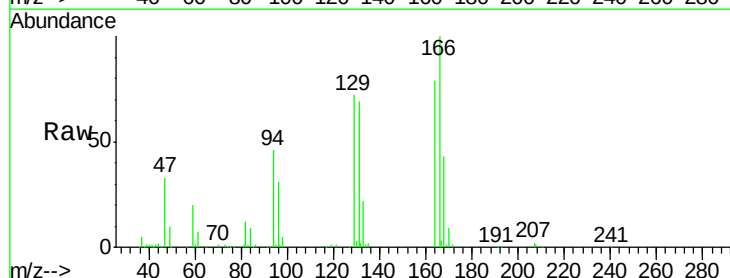
Instrument :
MSVOA_F
ClientSampleId :

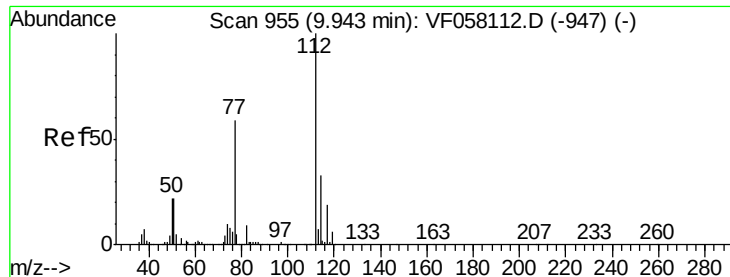
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.7	45.2	67.8
119	34.4	27.5	41.3



#64
Tetrachloroethene
Concen: 21.60 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.00 min
Lab File: VF059258.D
Acq: 21 Jun 2018 12:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	98.2	147.4
129	91.6	71.6	107.4
131	87.4	67.8	101.6

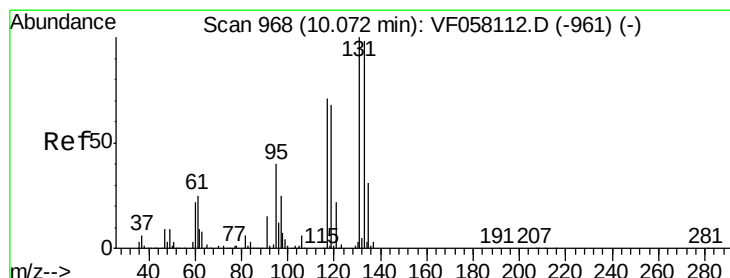
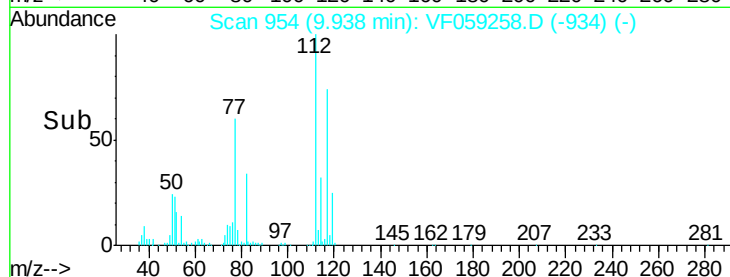
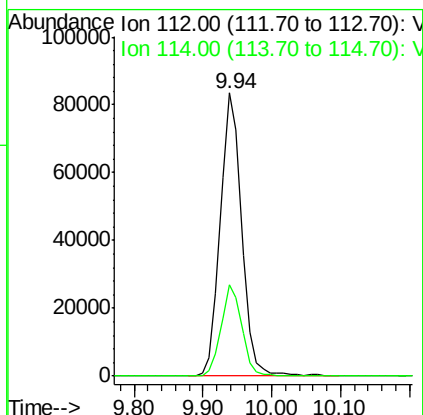
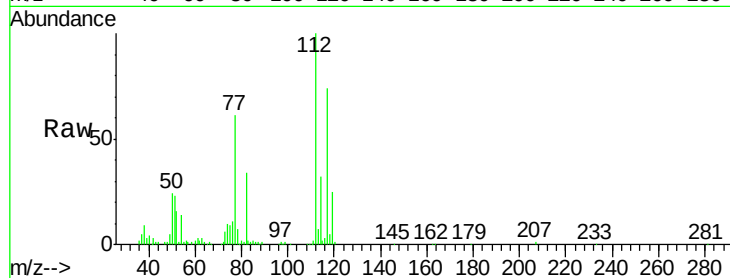




#65
Chlorobenzene
Concen: 23.60 ug/l
RT: 9.94 min Scan# 954
Delta R.T. -0.00 min
Lab File: VF059258.D
Acq: 21 Jun 2018 12:13

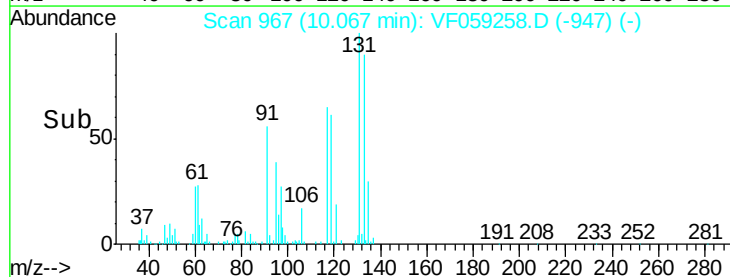
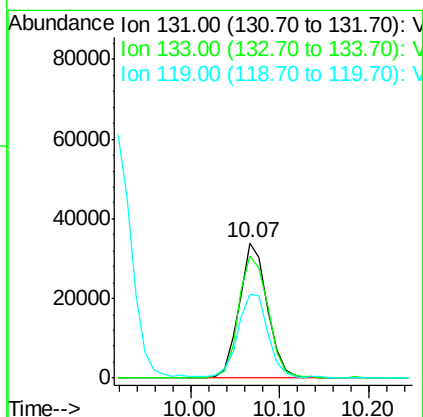
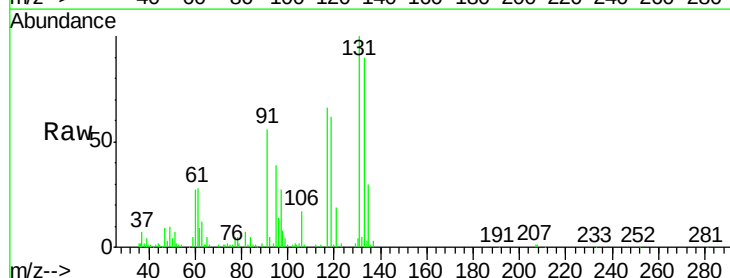
Instrument :
MSVOA_F
ClientSampled :

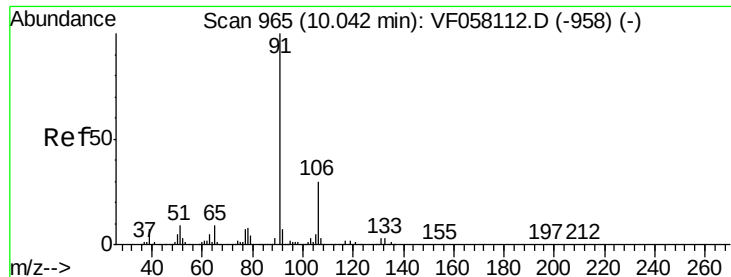
Tot Ion:112 Resp: 180338
Ion Ratio Lower Upper
112 100
114 32.2 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 24.47 ug/l
RT: 10.07 min Scan# 967
Delta R.T. -0.00 min
Lab File: VF059258.D
Acq: 21 Jun 2018 12:13

Tgt Ion:131 Resp: 74356
Ion Ratio Lower Upper
131 100
133 90.1 49.1 147.4
119 61.7 34.3 102.8





#67

Ethyl Benzene

Concen: 22.66 ug/l

RT: 10.04 min Scan# 964

Delta R.T. -0.00 min

Lab File: VF059258.D

Acq: 21 Jun 2018 12:13

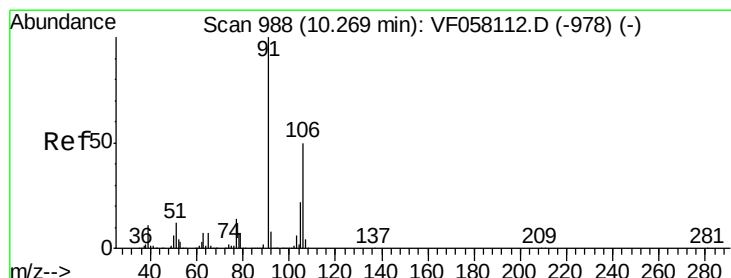
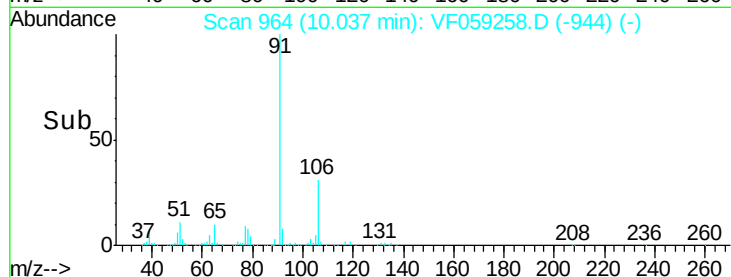
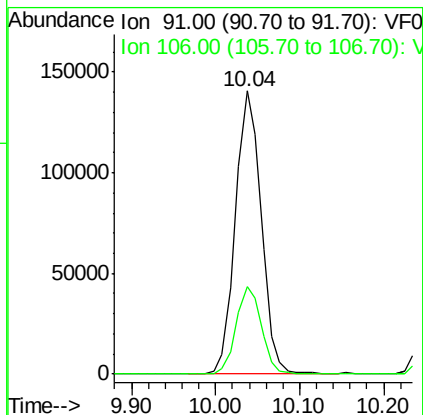
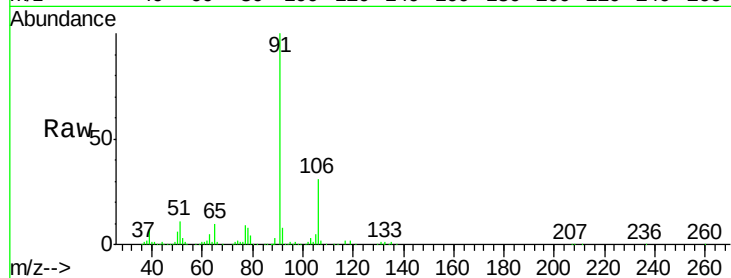
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 91 Resp: 300843

Ion Ratio Lower Upper

91 100

106 30.8 24.2 36.4



#68

m/p-Xylenes

Concen: 43.72 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.00 min

Lab File: VF059258.D

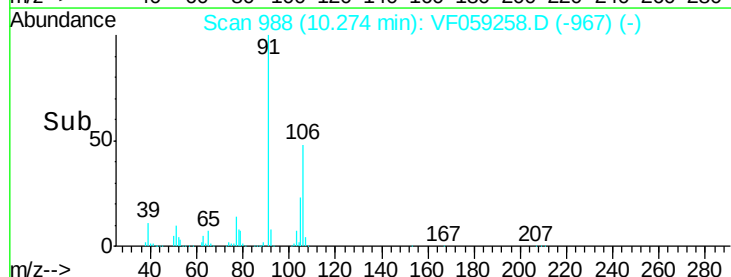
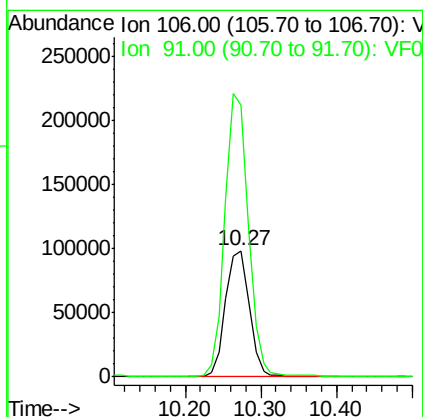
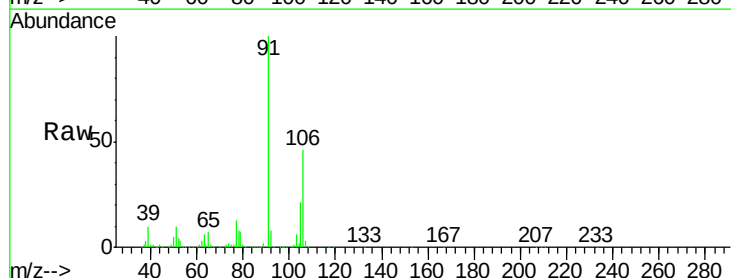
Acq: 21 Jun 2018 12:13

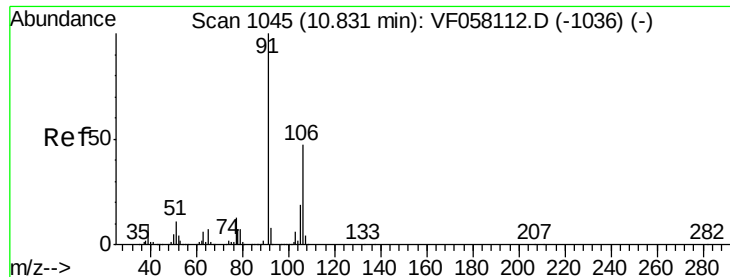
Tgt Ion:106 Resp: 217298

Ion Ratio Lower Upper

106 100

91 215.9 160.7 241.1

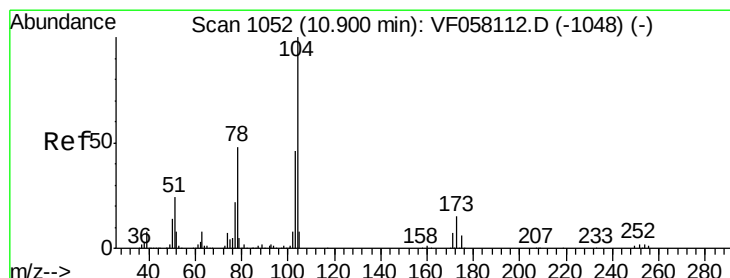
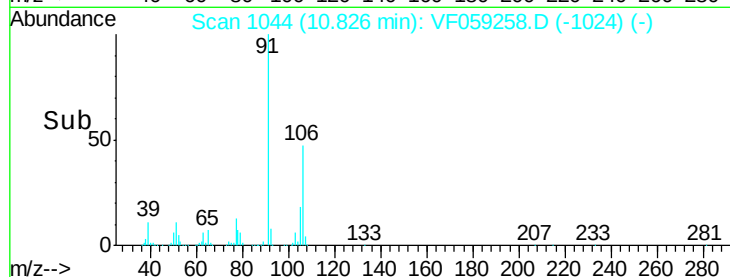
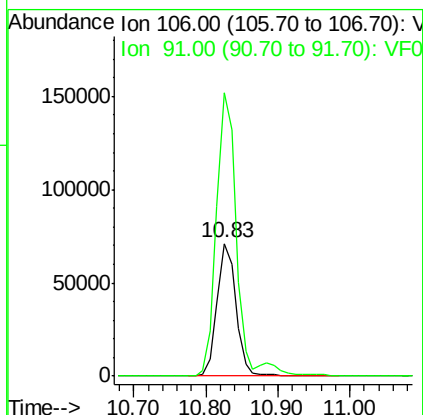
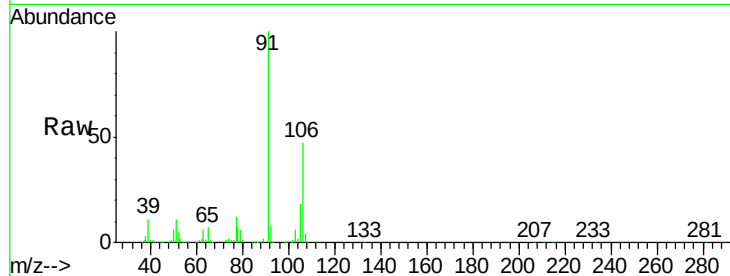




#69
o-Xylene
Concen: 24.03 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VF059258.D
Acq: 21 Jun 2018 12:13

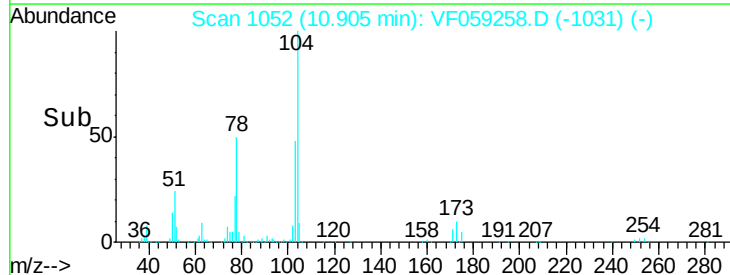
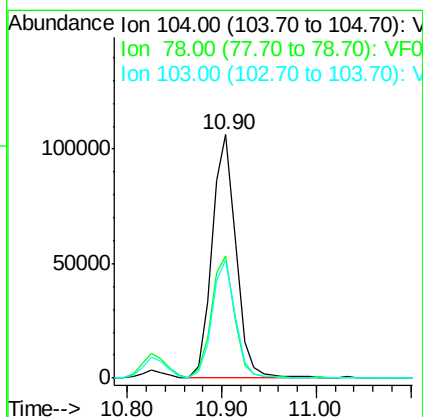
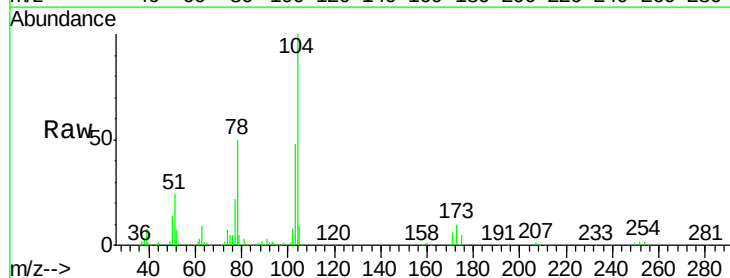
Instrument :
MSVOA_F
ClientSampled :

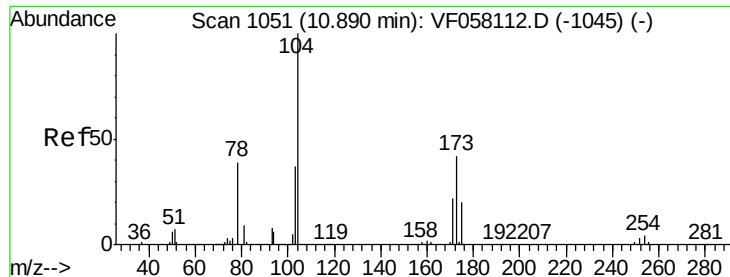
Tot Ion:106 Resp: 129074
Ion Ratio Lower Upper
106 100
91 213.5 107.0 321.0



#70
Styrene
Concen: 22.80 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059258.D
Acq: 21 Jun 2018 12:13

Tgt Ion:104 Resp: 185320
Ion Ratio Lower Upper
104 100
78 50.3 38.4 57.6
103 48.3 37.0 55.6





#71

Bromoform

Concen: 24.49 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VF059258.D

Acq: 21 Jun 2018 12:13

Instrument :

MSVOA_F

ClientSampleId :

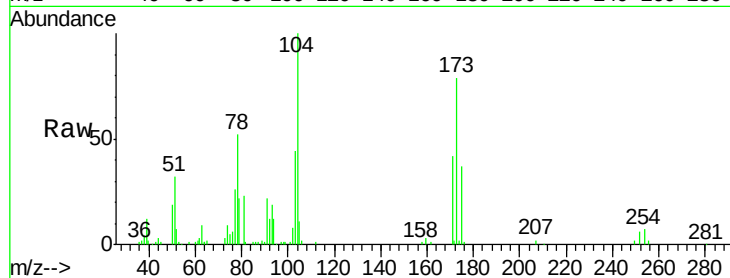
Tot Ion:173 Resp: 50536

Ion Ratio Lower Upper

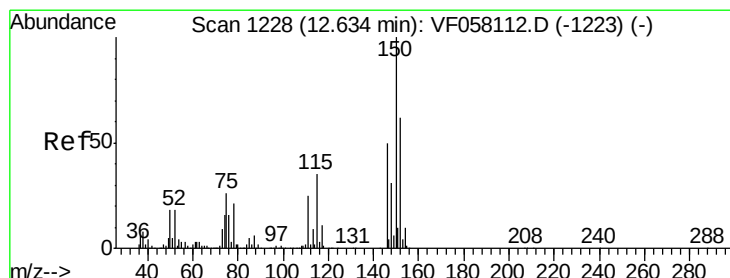
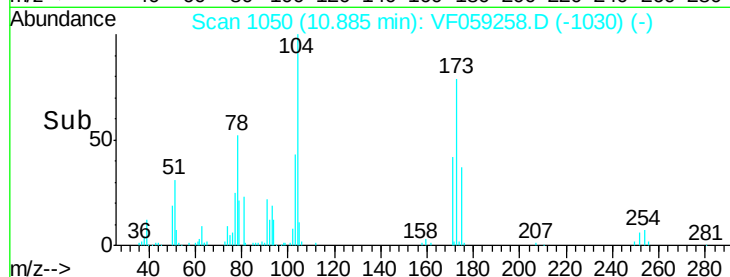
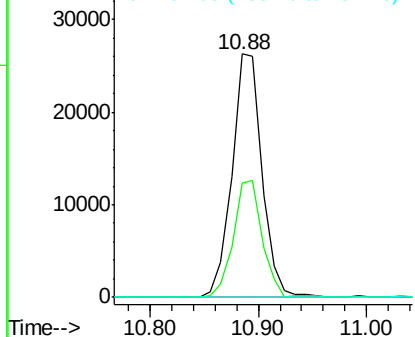
173 100

175 46.9 24.6 74.0

254 0.0 7.8 11.8#



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: 12.63 min Scan# 1227

Delta R.T. -0.00 min

Lab File: VF059258.D

Acq: 21 Jun 2018 12:13

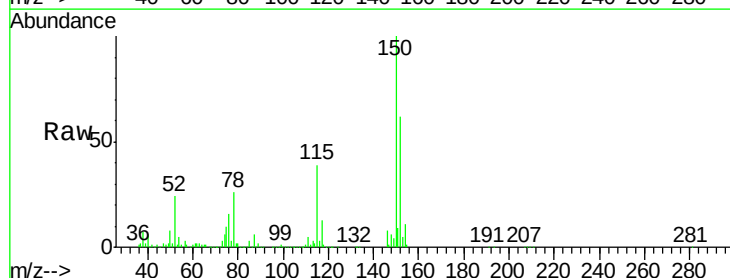
Tgt Ion:152 Resp: 247160

Ion Ratio Lower Upper

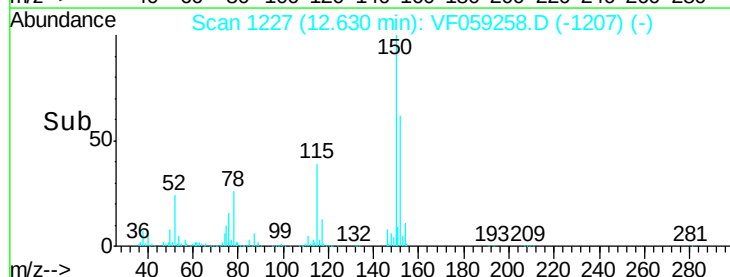
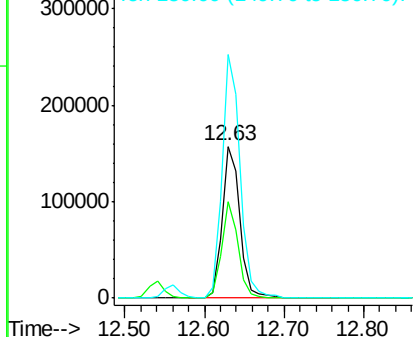
152 100

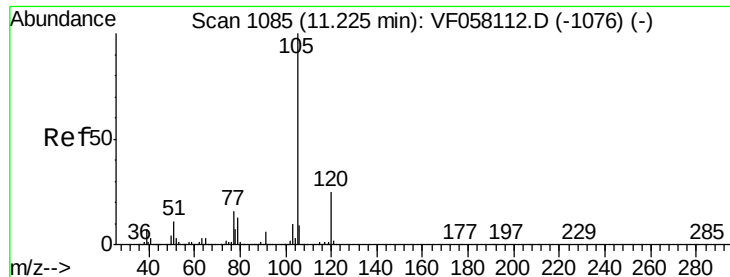
115 63.2 28.5 85.5

150 160.4 0.0 323.8



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: 20.76 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059258.D

Acq: 21 Jun 2018 12:13

Instrument :

MSVOA_F

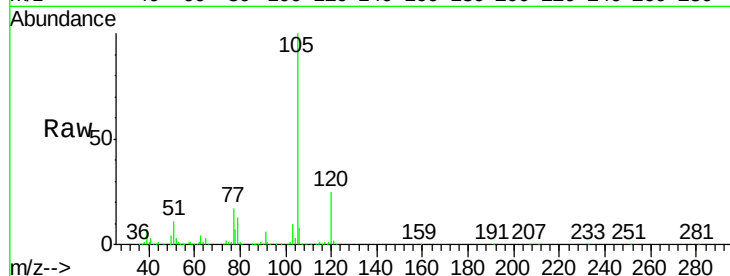
ClientSampleId :

Tot Ion:105 Resp: 355227

Ion Ratio Lower Upper

105 100

120 25.4 12.7 38.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

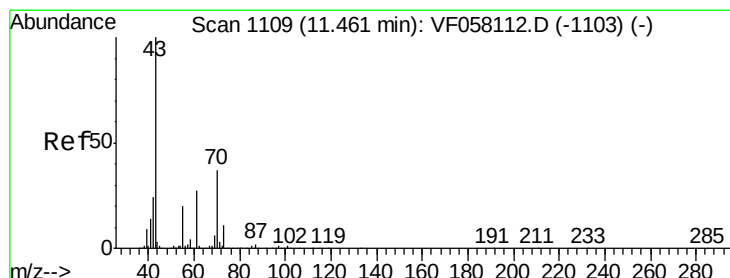
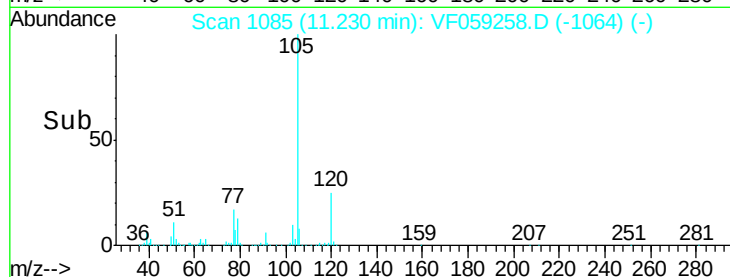
100000

50000

0

11.10 11.20 11.30 11.40

Time-->



#74

N-ethyl acetate

Concen: 20.64 ug/l

RT: 11.47 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059258.D

Acq: 21 Jun 2018 12:13

Tgt Ion: 43 Resp: 126140

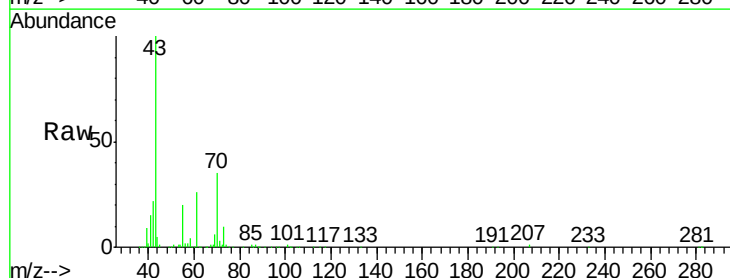
Ion Ratio Lower Upper

43 100

70 35.0 29.2 43.8

55 20.4 15.8 23.6

61 25.8 21.3 31.9



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

120000

100000

80000

60000

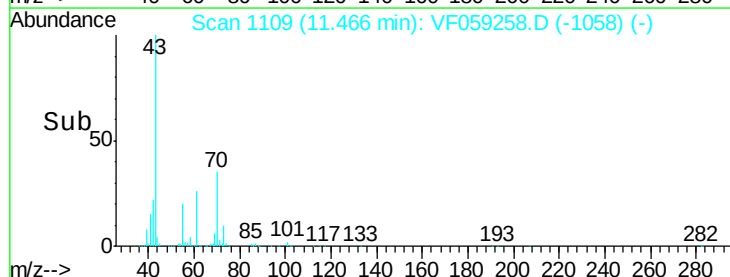
40000

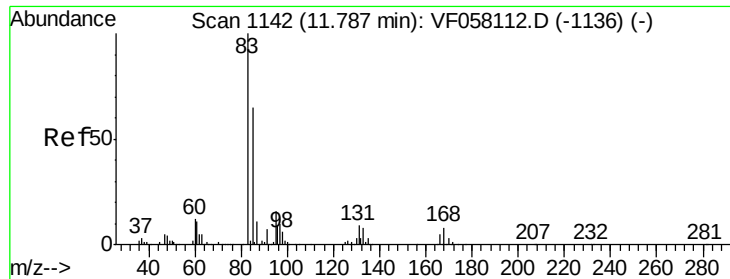
20000

0

11.40 11.50 11.60

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.26 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF059258.D

Acq: 21 Jun 2018 12:13

Instrument :

MSVOA_F

ClientSampleId :

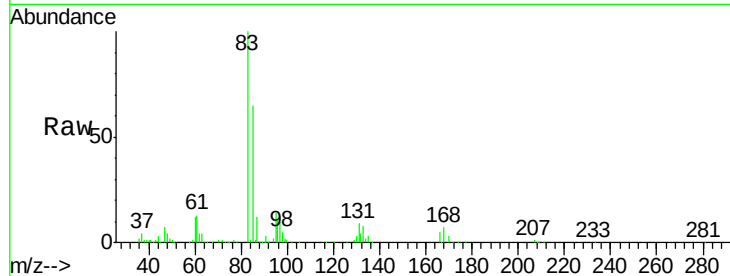
Tot Ion: 83 Resp: 86244

Ion Ratio Lower Upper

83 100

131 8.8 4.5 13.7

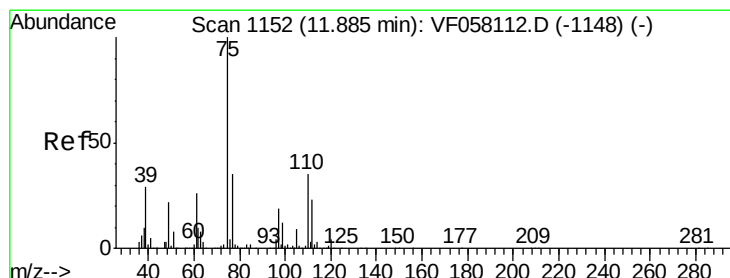
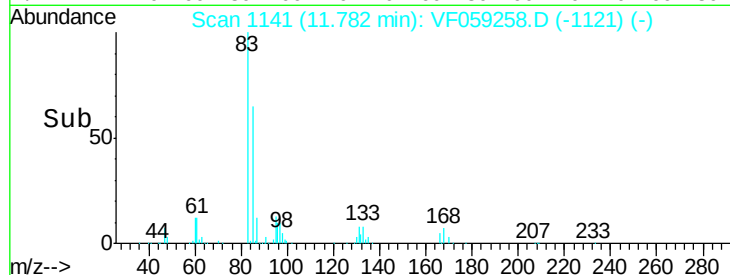
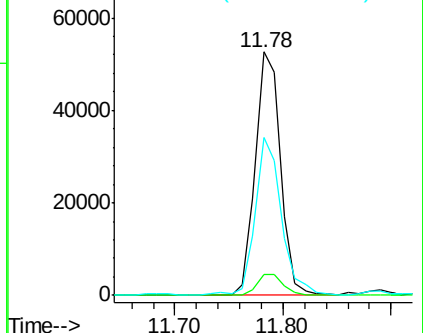
85 64.8 32.8 98.3



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 21.86 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF059258.D

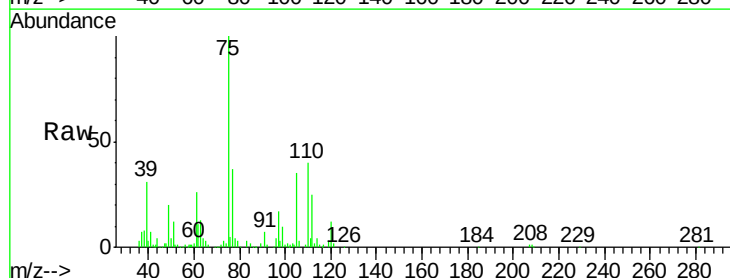
Acq: 21 Jun 2018 12:13

Tgt Ion: 75 Resp: 65487

Ion Ratio Lower Upper

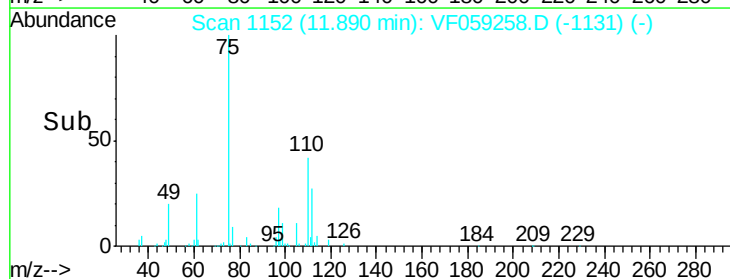
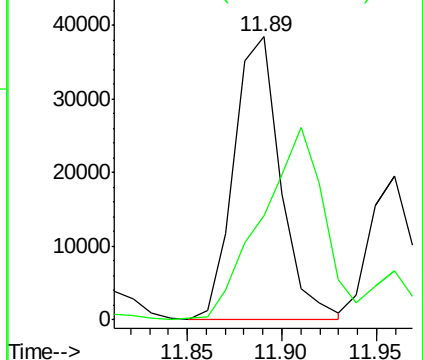
75 100

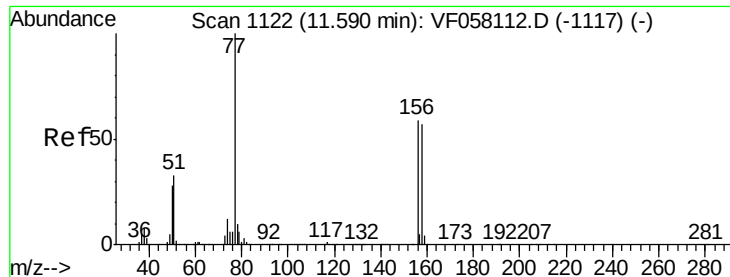
77 36.8 17.5 52.5



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 21.85 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059258.D

Acq: 21 Jun 2018 12:13

Instrument :

MSVOA_F

ClientSampleId :

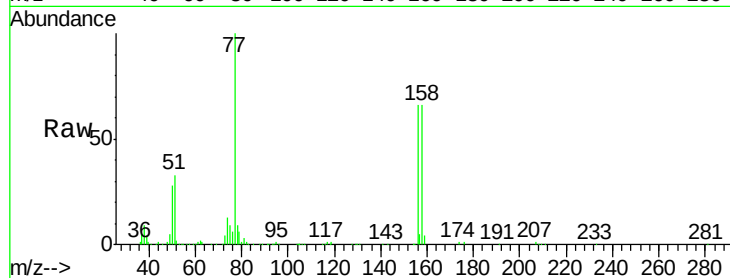
Tot Ion:156 Resp: 94101

Ion Ratio Lower Upper

156 100

77 152.6 84.8 254.4

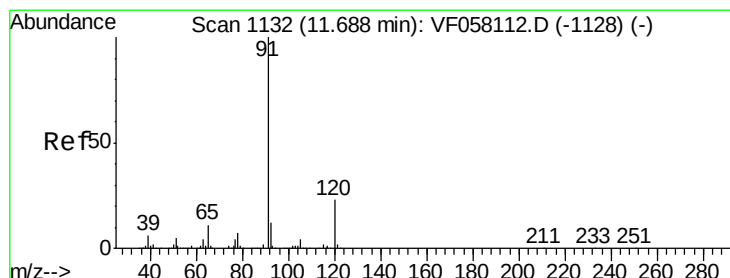
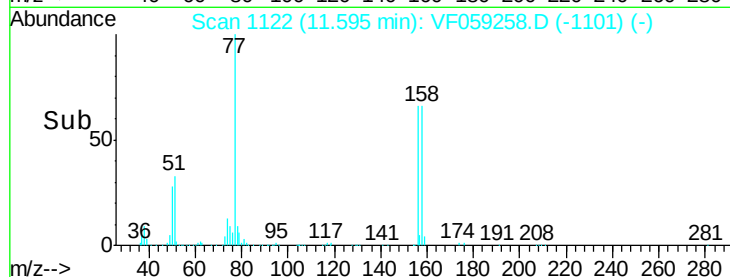
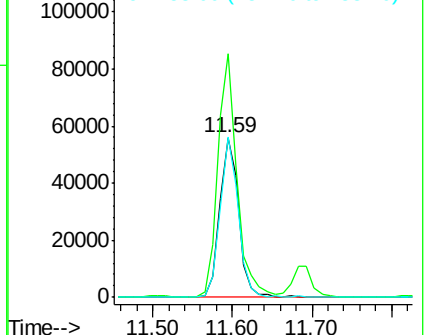
158 100.8 47.9 143.7



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 21.32 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF059258.D

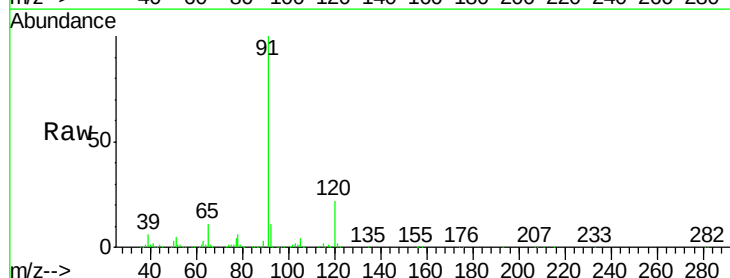
Acq: 21 Jun 2018 12:13

Tgt Ion: 91 Resp: 431894

Ion Ratio Lower Upper

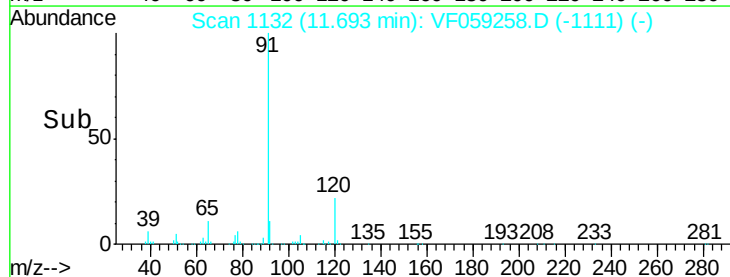
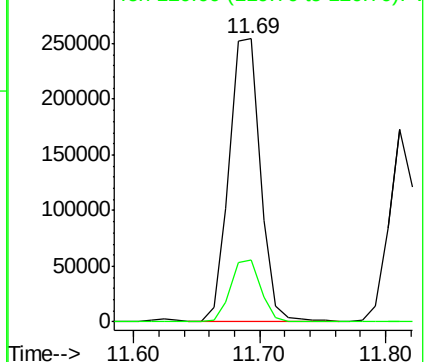
91 100

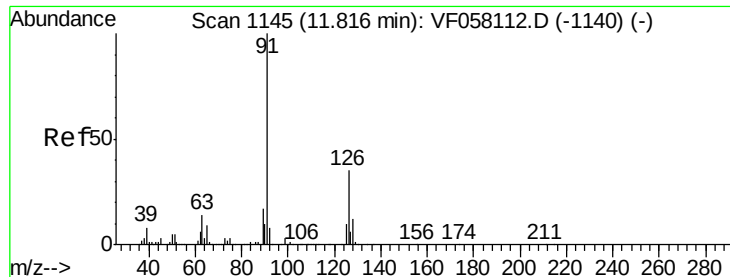
120 22.0 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.36 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VF059258.D

Acq: 21 Jun 2018 12:13

Instrument :

MSVOA_F

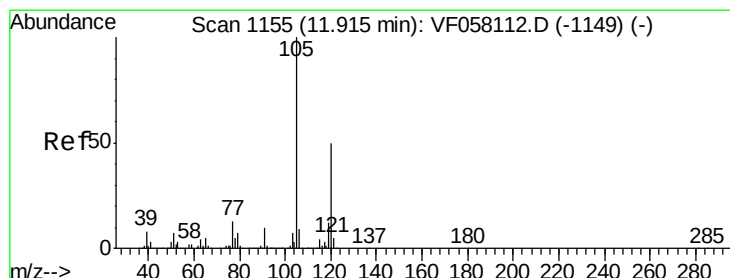
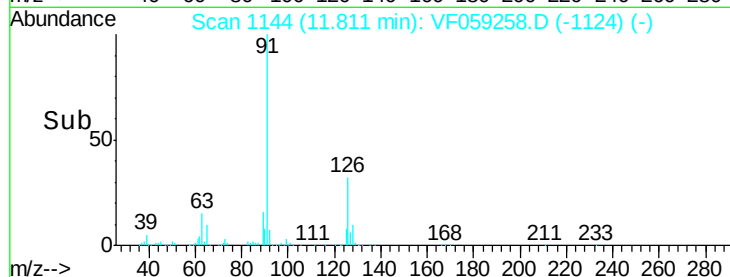
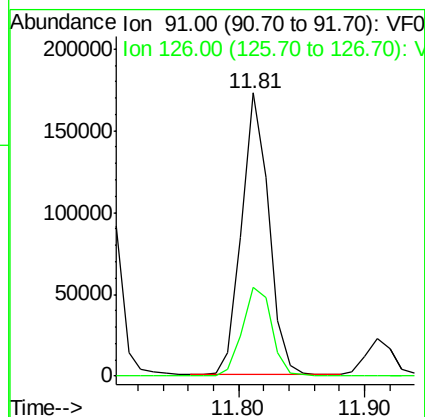
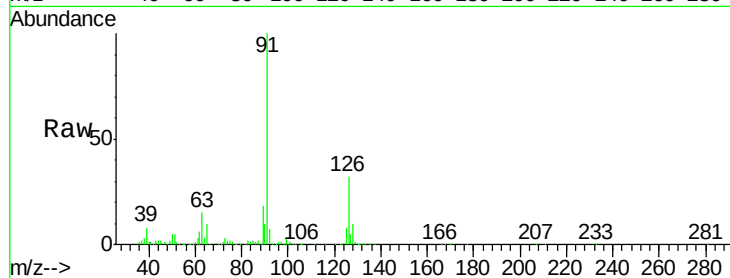
ClientSampleId :

Tot Ion: 91 Resp: 255580

Ion Ratio Lower Upper

91 100

126 31.6 17.6 52.9



#80

1,3,5-Trimethylbenzene

Concen: 22.55 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VF059258.D

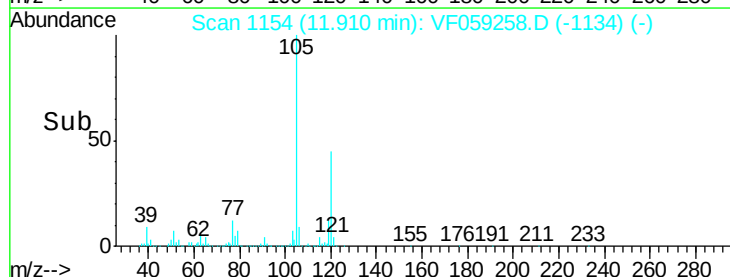
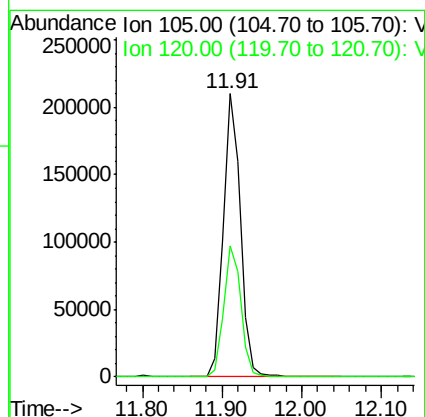
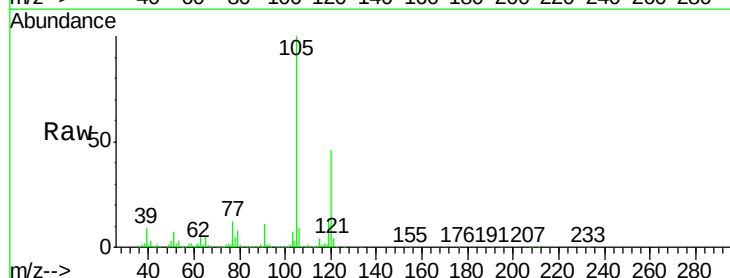
Acq: 21 Jun 2018 12:13

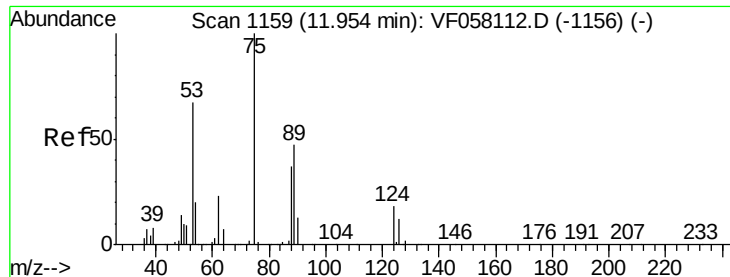
Tgt Ion:105 Resp: 319415

Ion Ratio Lower Upper

105 100

120 46.2 24.9 74.6

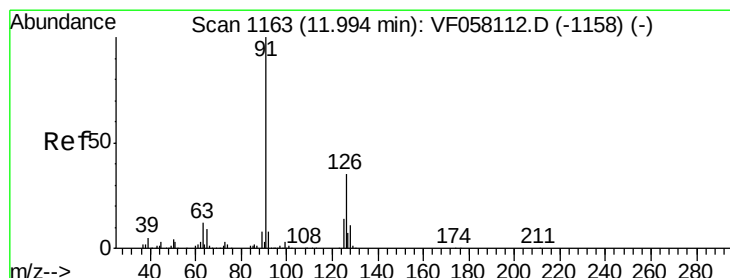
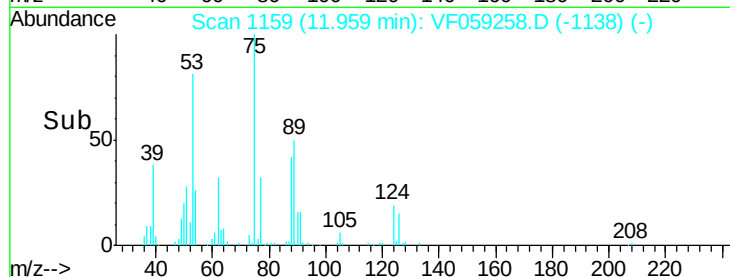
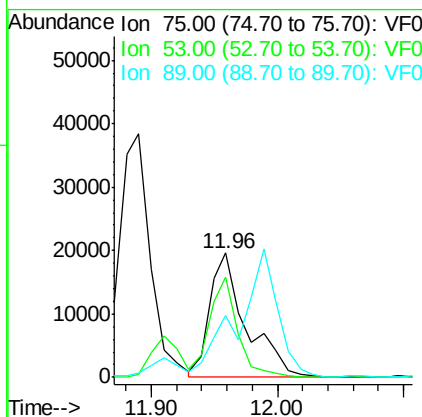
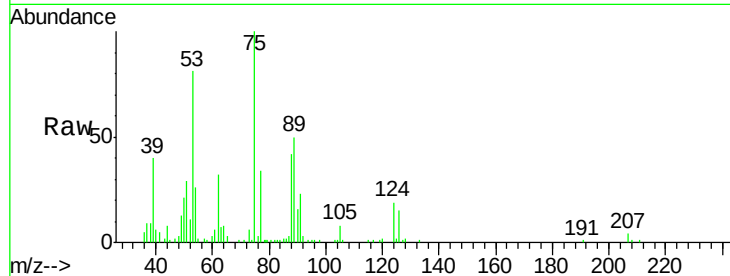




#81
trans-1,4-Dichloro-2-butene
Concen: 20.23 ug/l
RT: 11.96 min Scan# 1159
Delta R.T. 0.00 min
Lab File: VF059258.D
Acq: 21 Jun 2018 12:13

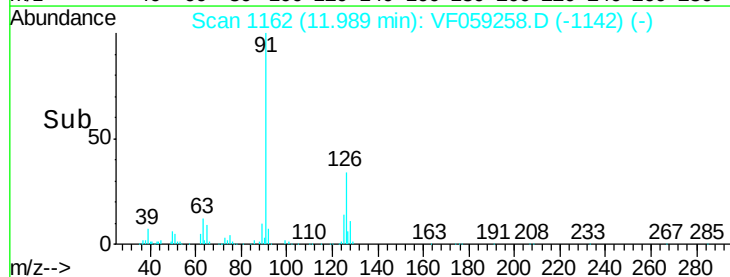
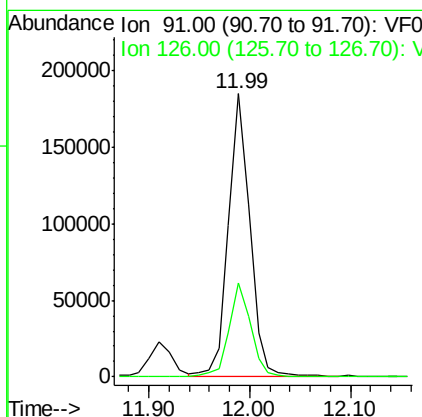
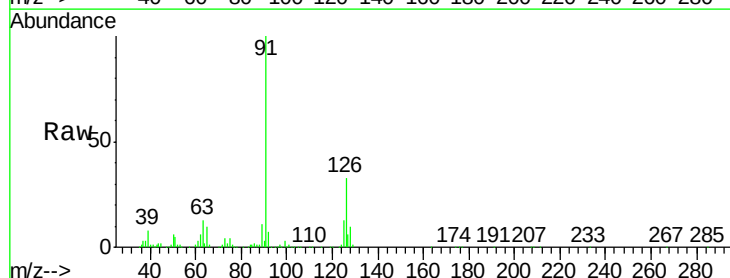
Instrument :
MSVOA_F
ClientSampleId :

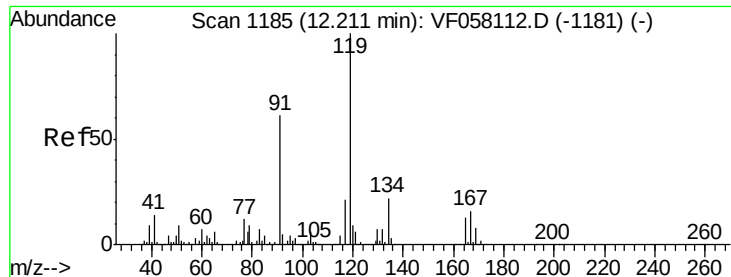
Tot Ion: 75 Resp: 39300
Ion Ratio Lower Upper
75 100
53 80.6 58.7 88.1
89 49.9 39.8 59.6



#82
4-Chlorotoluene
Concen: 21.46 ug/l
RT: 11.99 min Scan# 1162
Delta R.T. -0.00 min
Lab File: VF059258.D
Acq: 21 Jun 2018 12:13

Tgt Ion: 91 Resp: 273394
Ion Ratio Lower Upper
91 100
126 33.3 17.4 52.2

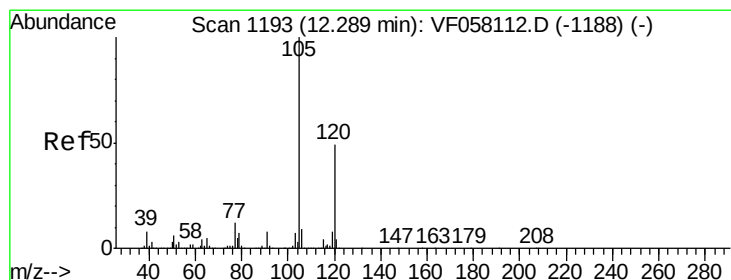
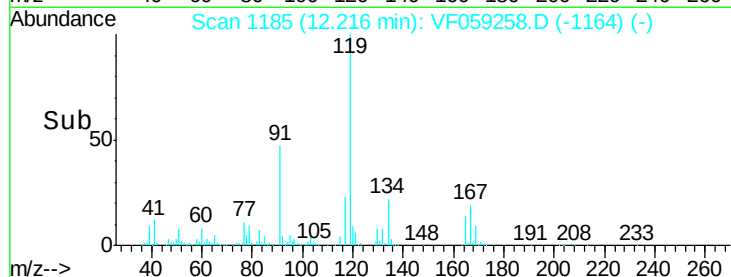
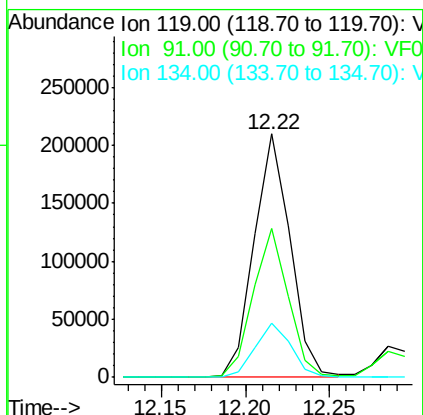
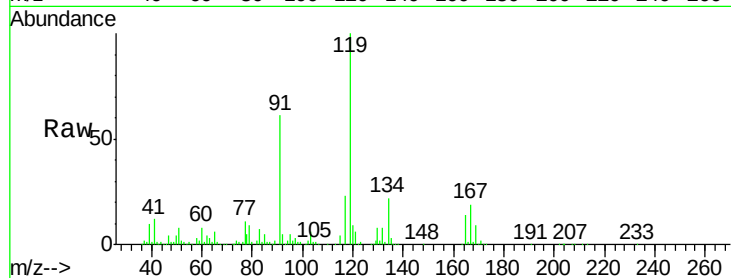




#83
 tert-Butylbenzene
 Concen: 22.25 ug/l
 RT: 12.22 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF059258.D
 Acq: 21 Jun 2018 12:13

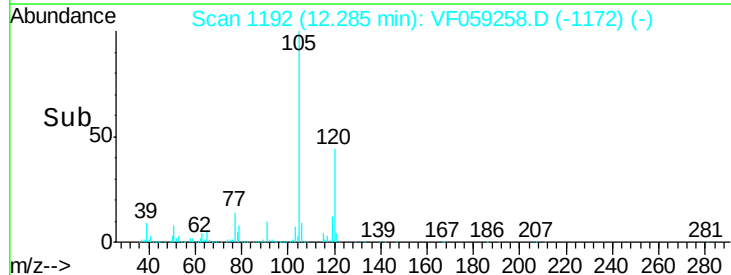
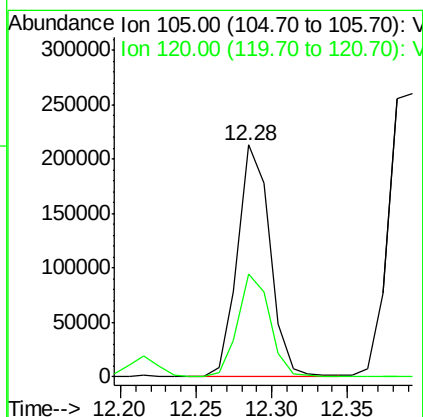
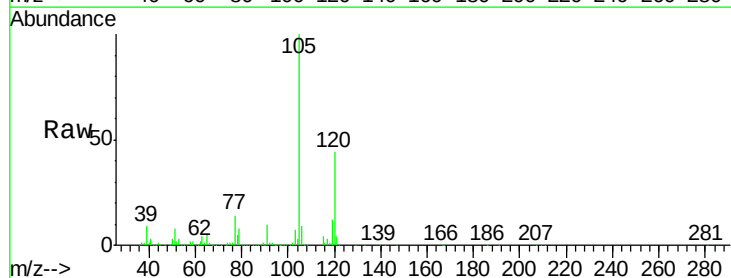
Instrument :
 MSVOA_F
 ClientSampleId :

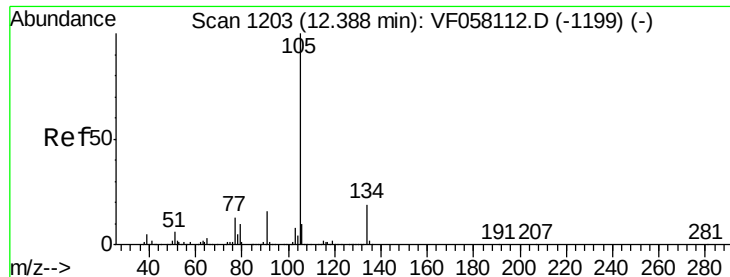
Tot Ion:119 Resp: 312923
 Ion Ratio Lower Upper
 119 100
 91 60.9 30.4 91.3
 134 22.3 11.2 33.5



#84
 1,2,4-Trimethylbenzene
 Concen: 21.66 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.00 min
 Lab File: VF059258.D
 Acq: 21 Jun 2018 12:13

Tgt Ion:105 Resp: 317837
 Ion Ratio Lower Upper
 105 100
 120 44.2 24.7 74.1





#85

sec-Butylbenzene

Concen: 21.75 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VF059258.D

Acq: 21 Jun 2018 12:13

Instrument :

MSVOA_F

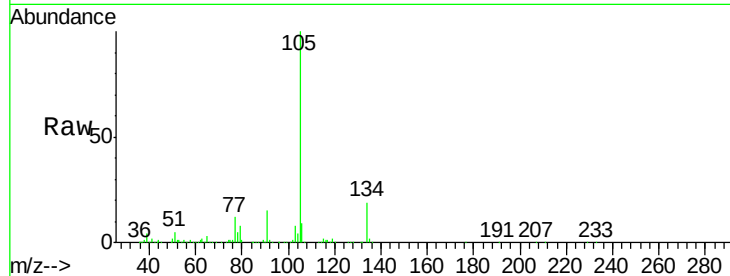
ClientSampled :

Tot Ion:105 Resp: 415664

Ion Ratio Lower Upper

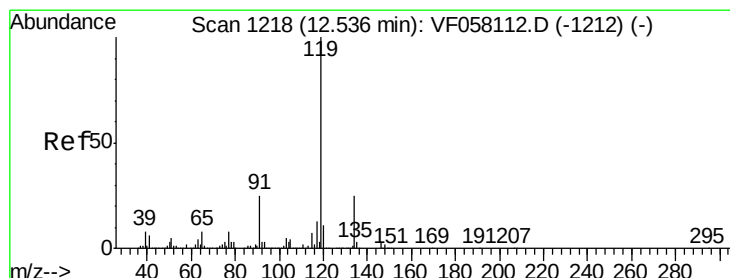
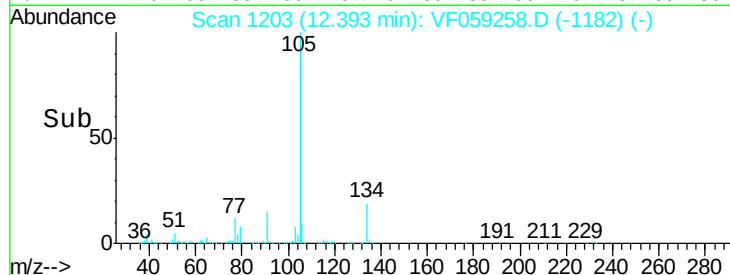
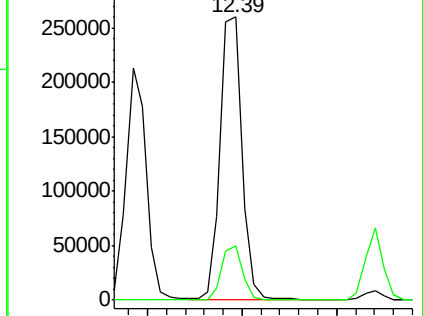
105 100

134 19.1 9.6 28.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.39 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF059258.D

Acq: 21 Jun 2018 12:13

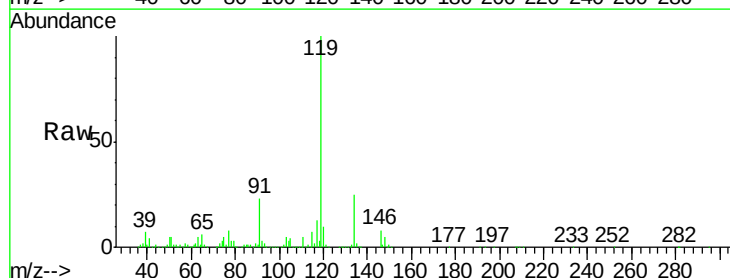
Tgt Ion:119 Resp: 351429

Ion Ratio Lower Upper

119 100

134 25.3 12.7 38.0

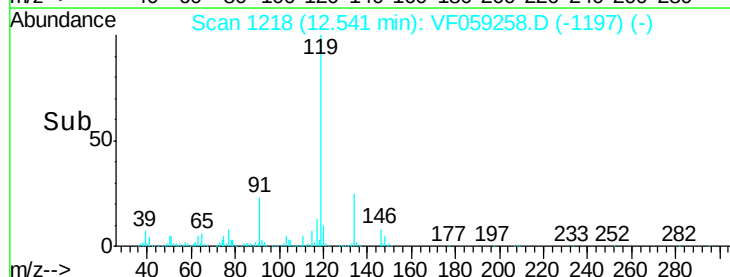
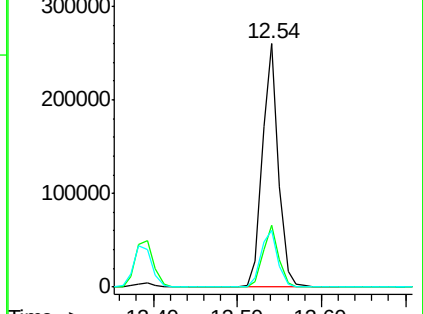
91 23.3 12.6 37.6

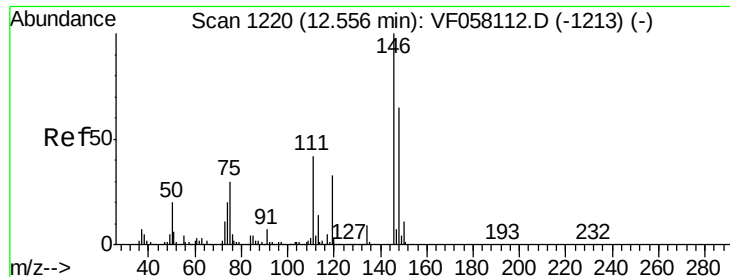


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

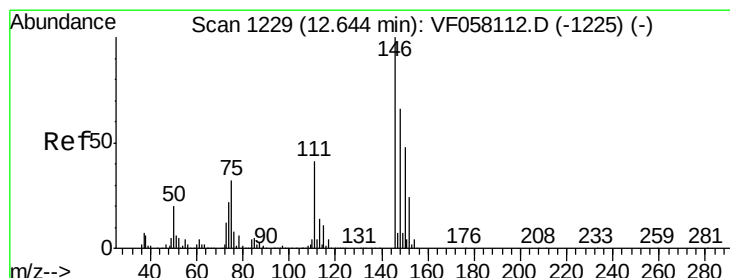
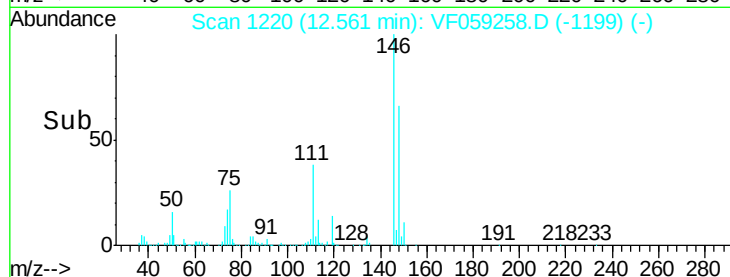
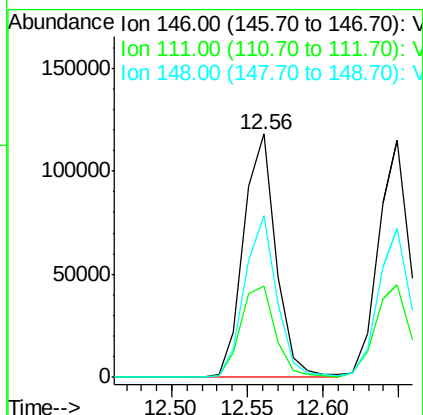
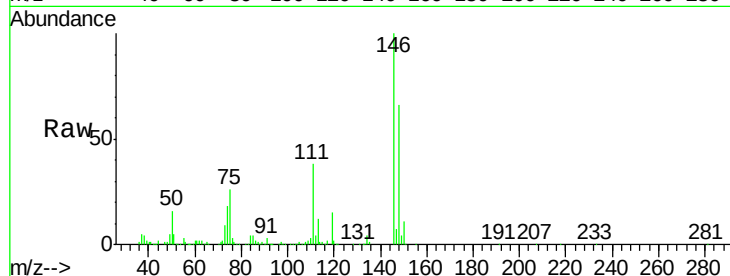




#87
 1,3-Dichlorobenzene
 Concen: 22.23 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059258.D
 Acq: 21 Jun 2018 12:13

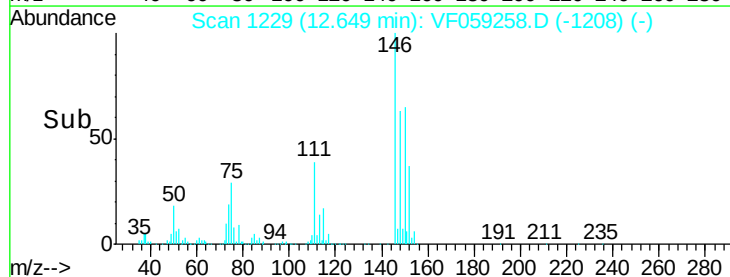
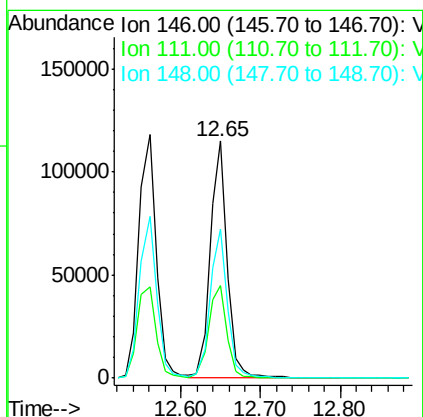
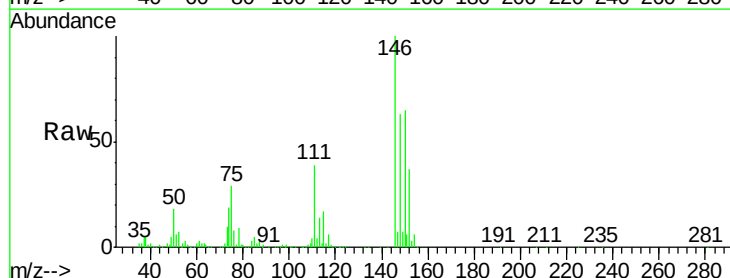
Instrument :
 MSVOA_F
 ClientSampleId :

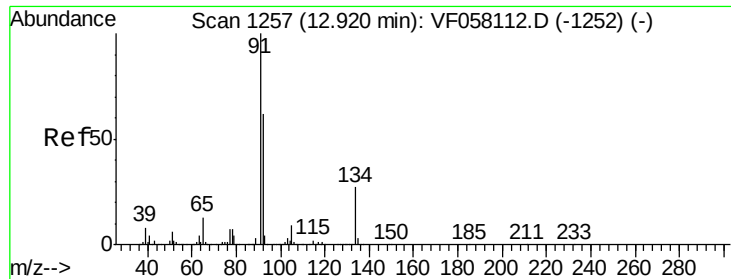
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	20.8	62.5
148	66.3	32.3	96.9



#88
 1,4-Dichlorobenzene
 Concen: 22.34 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059258.D
 Acq: 21 Jun 2018 12:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.4	61.2
148	62.9	33.0	99.0

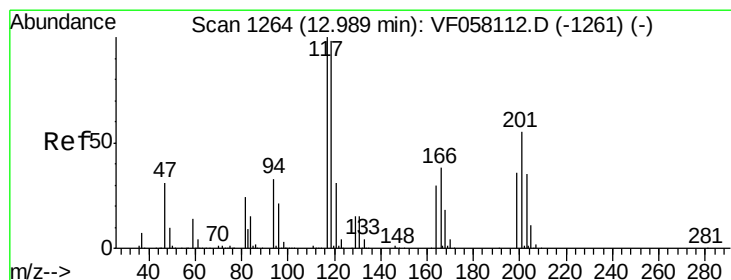
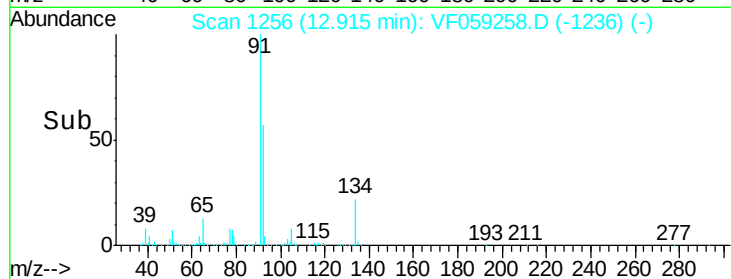
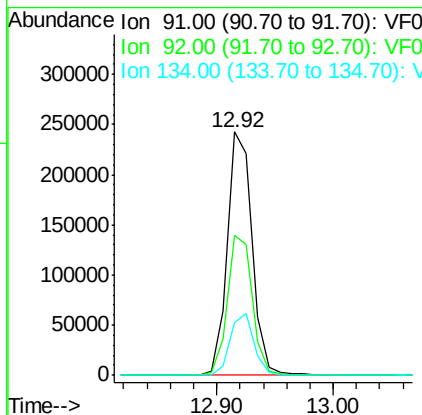
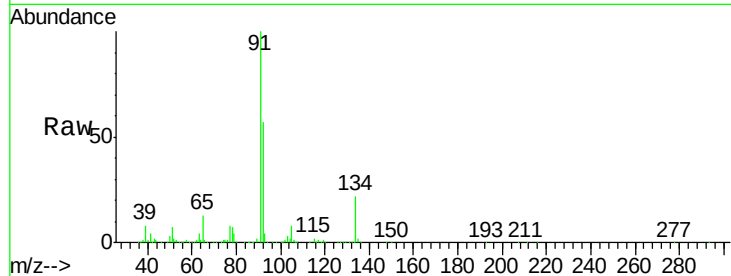




#89
n-Butylbenzene
Concen: 19.97 ug/l
RT: 12.92 min Scan# 1256
Delta R.T. -0.00 min
Lab File: VF059258.D
Acq: 21 Jun 2018 12:13

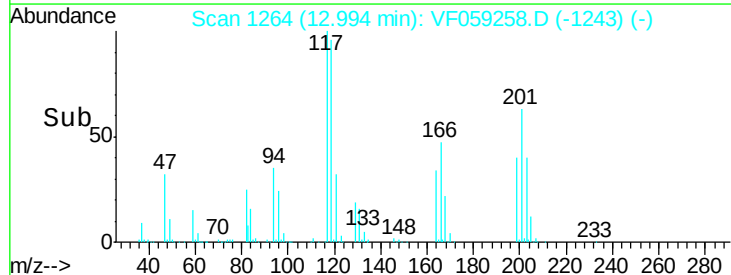
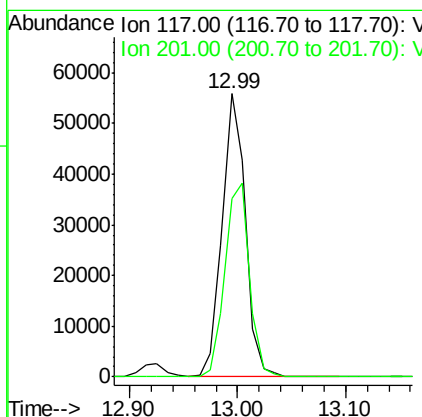
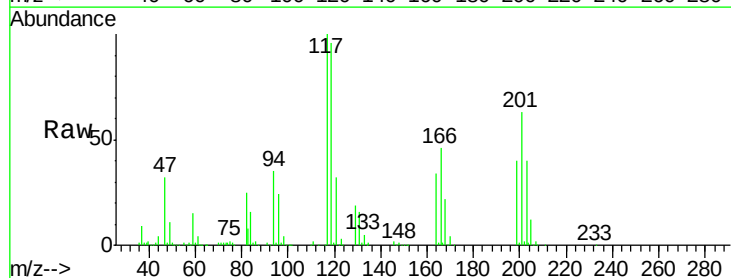
Instrument :
MSVOA_F
ClientSampleId :

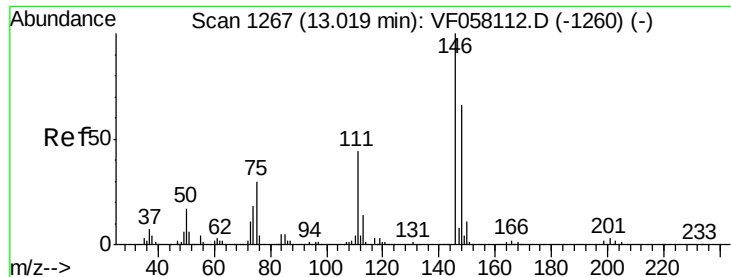
Tot Ion: 91 Resp: 356794
Ion Ratio Lower Upper
91 100
92 57.3 31.1 93.5
134 21.6 13.6 40.8



#90
Hexachloroethane
Concen: 21.72 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF059258.D
Acq: 21 Jun 2018 12:13

Tgt Ion: 117 Resp: 83966
Ion Ratio Lower Upper
117 100
201 64.4 27.5 82.4

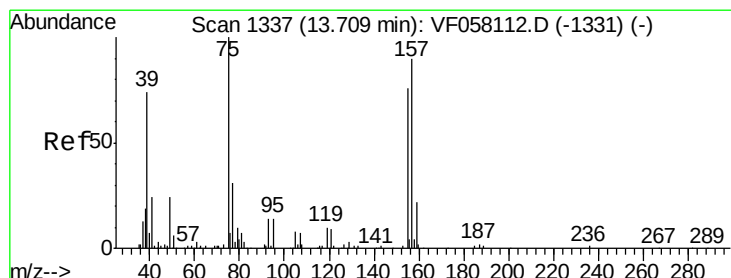
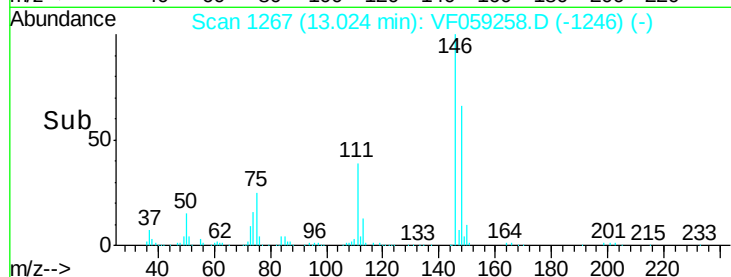
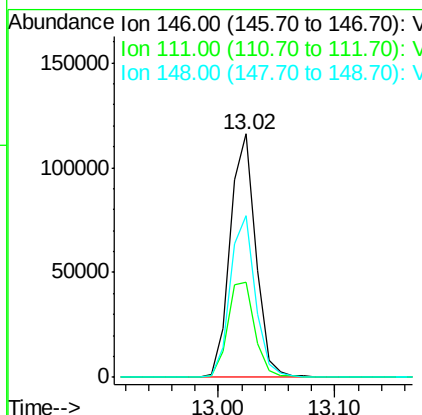
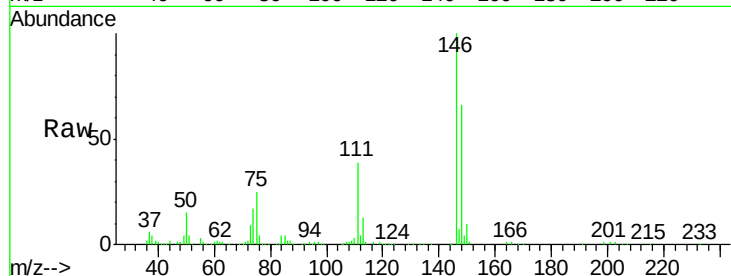




#91
 1,2-Dichlorobenzene
 Concen: 23.18 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VF059258.D
 Acq: 21 Jun 2018 12:13

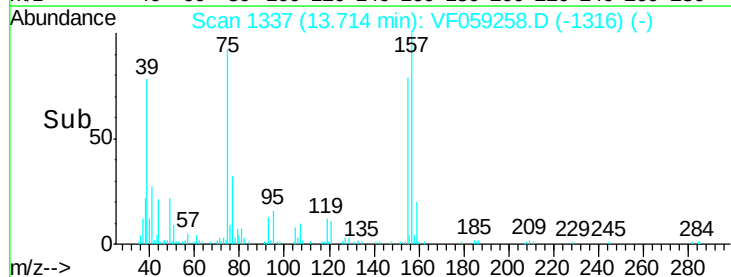
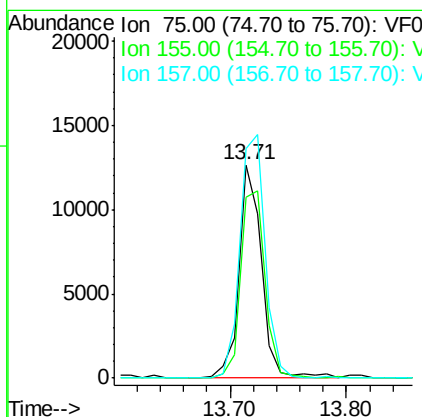
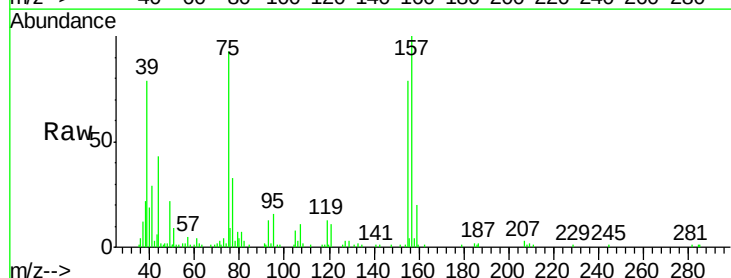
Instrument :
 MSVOA_F
 ClientSampleId :

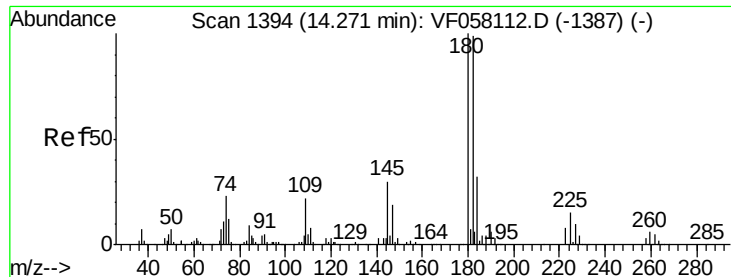
Tot Ion:146 Resp: 177577
 Ion Ratio Lower Upper
 146 100
 111 38.9 22.0 66.0
 148 66.4 33.1 99.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.34 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VF059258.D
 Acq: 21 Jun 2018 12:13

Tgt Ion: 75 Resp: 16982
 Ion Ratio Lower Upper
 75 100
 155 85.1 38.0 114.0
 157 107.7 45.1 135.5

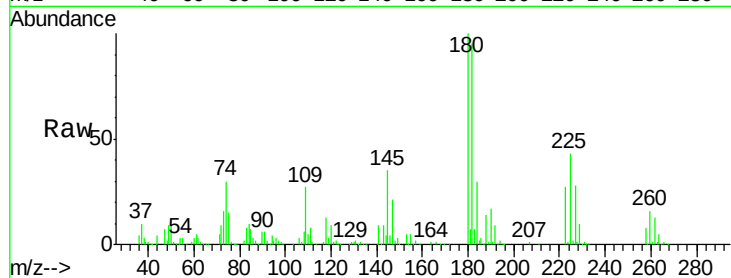




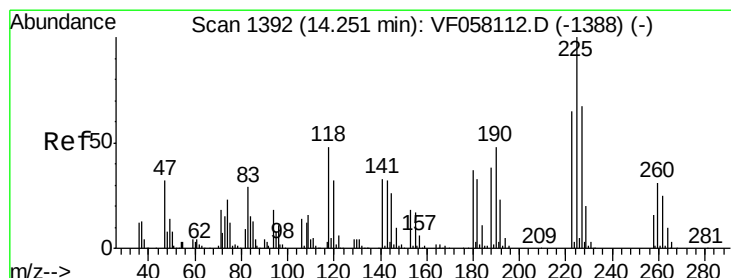
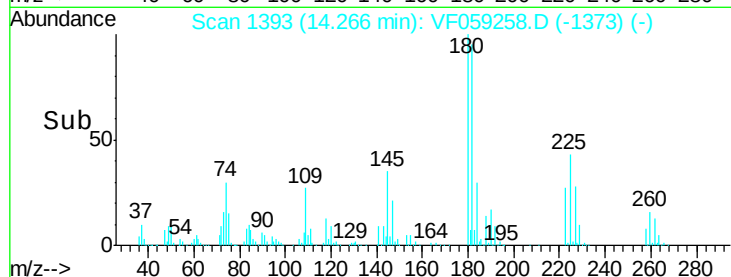
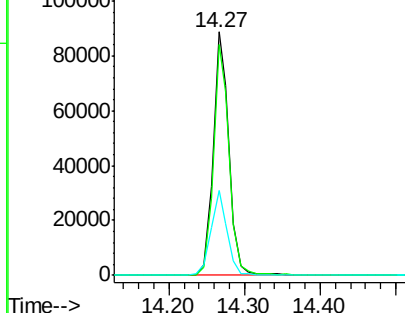
#93
 1,2,4-Trichlorobenzene
 Concen: 24.48 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: VF059258.D
 Acq: 21 Jun 2018 12:13

Instrument :
 MSVOA_F
 ClientSampled :

Tot Ion:180 Resp: 131150
 Ion Ratio Lower Upper
 180 100
 182 94.9 49.3 147.9
 145 34.8 14.9 44.9

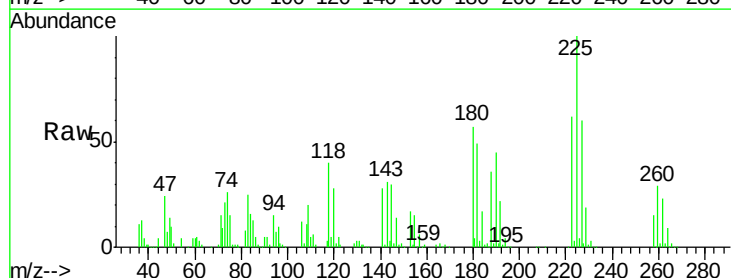


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

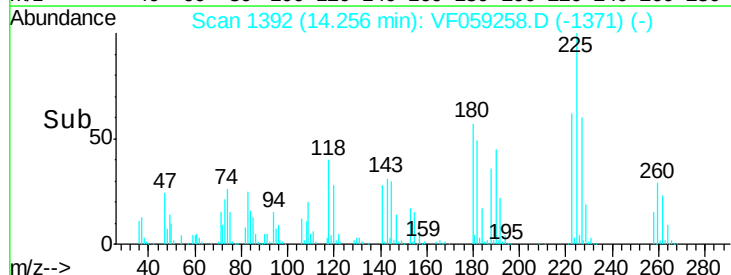
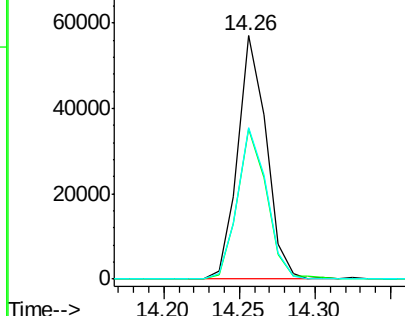


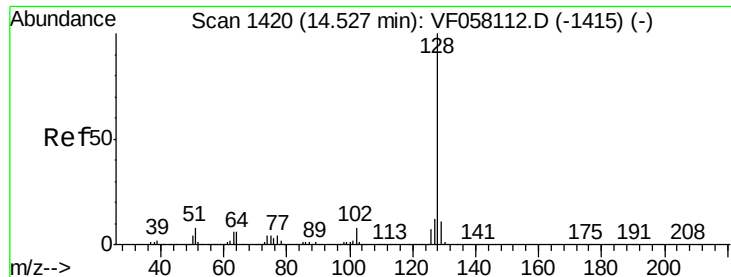
#94
 Hexachlorobutadiene
 Concen: 24.16 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059258.D
 Acq: 21 Jun 2018 12:13

Tgt Ion:225 Resp: 74905
 Ion Ratio Lower Upper
 225 100
 223 61.8 32.8 98.3
 227 62.2 33.3 99.9



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V

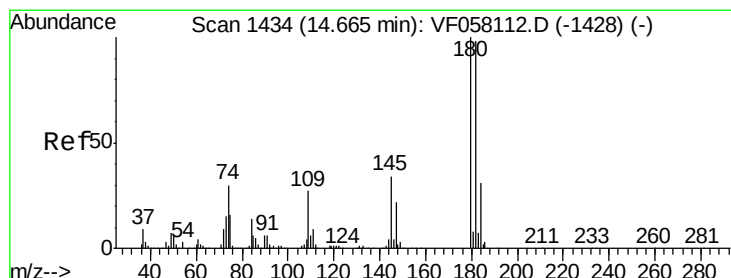
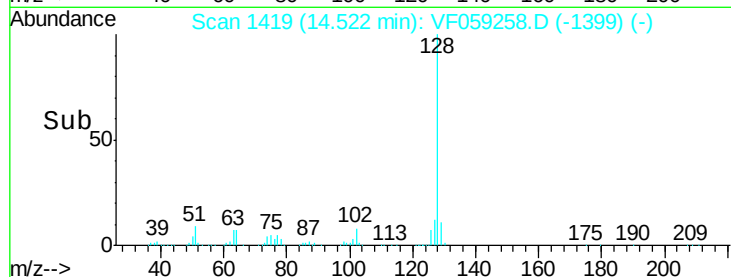
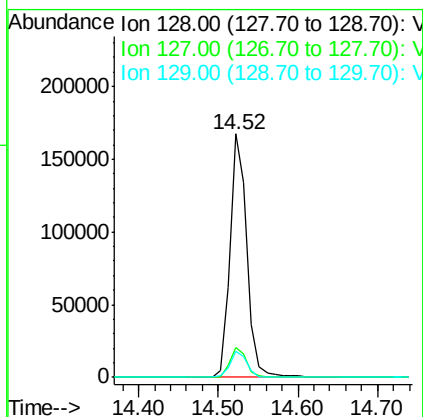
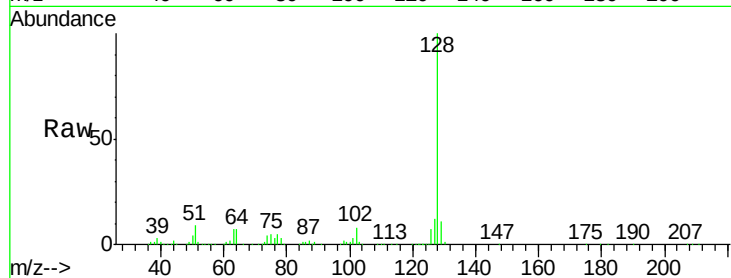




#95
Naphthalene
Concen: 21.94 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.00 min
Lab File: VF059258.D
Acq: 21 Jun 2018 12:13

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.9	14.9
129	10.8	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 24.14 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059258.D
Acq: 21 Jun 2018 12:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.3	48.9	146.6
145	29.4	17.3	51.7

