

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF062218\
 Data File : VF059282.D
 Acq On : 22 Jun 2018 19:09
 Operator : VA/AP
 Sample : VF0622SBSD01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0622SBSD01

Quant Time: Jun 23 04:36:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 22 05:22:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	237500	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.75	114	373763	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.90	117	367292	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	235993	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	174236	51.11	ug/l	-0.01
Spiked Amount 50.000			Recovery =	102.22%		
35) Dibromofluoromethane	4.28	113	153808	48.91	ug/l	-0.02
Spiked Amount 50.000			Recovery =	97.82%		
50) Toluene-d8	7.70	98	384791	48.11	ug/l	-0.01
Spiked Amount 50.000			Recovery =	96.22%		
62) 4-Bromofluorobenzene	11.50	95	209061	47.13	ug/l	-0.01
Spiked Amount 50.000			Recovery =	94.26%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	57316	20.729	ug/l	96
3) Chloromethane	1.08	50	37004	21.244	ug/l	99
4) Vinyl Chloride	1.14	62	36503	21.135	ug/l	90
5) Bromomethane	1.33	94	24143	19.499	ug/l	90
6) Chloroethane	1.42	64	18697	22.192	ug/l	97
7) Trichlorofluoromethane	1.48	101	24489	7.241	ug/l	87
8) Diethyl Ether	1.69	74	16899	22.199	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.89	101	43087	22.829	ug/l	96
10) Methyl Iodide	1.96	142	76549	22.189	ug/l #	89
11) Tert butyl alcohol	2.69	59	21186	106.647	ug/l	97
12) 1,1-Dichloroethene	1.85	96	34730	20.633	ug/l	94
13) Acrolein	2.08	56	18047	111.934	ug/l	98
14) Allyl chloride	2.18	41	61568	19.816	ug/l	93
15) Acrylonitrile	3.06	53	39465	117.922	ug/l	94
16) Acetone	2.33	43	86375	107.200	ug/l	99
17) Carbon Disulfide	1.86	76	80475	19.683	ug/l	98
18) Methyl Acetate	2.44	43	26747	17.607	ug/l	99
19) Methyl tert-butyl Ether	2.53	73	125349	22.200	ug/l	96
20) Methylene Chloride	2.27	84	37444	21.921	ug/l	88
21) trans-1,2-Dichloroethene	2.40	96	35907	20.434	ug/l	92
22) Diisopropyl ether	2.92	45	144792	22.461	ug/l	100
23) Vinyl Acetate	3.32	43	473846	114.923	ug/l	99
24) 1,1-Dichloroethane	2.99	63	90573	21.673	ug/l	98
25) 2-Butanone	4.49	43	119677	111.346	ug/l	94
26) 2,2-Dichloropropane	3.74	77	69280	23.788	ug/l	98
27) cis-1,2-Dichloroethene	3.62	96	57343	21.481	ug/l	99
28) Bromochloromethane	3.87	49	41561	24.181	ug/l	96
29) Tetrahydrofuran	4.25	42	48403	100.299	ug/l	99
30) Chloroform	4.03	83	130201	21.517	ug/l	97
31) Cyclohexane	3.85	56	63149	21.952	ug/l	98
32) 1,1,1-Trichloroethane	4.27	97	96714	21.169	ug/l	97
36) 1,1-Dichloropropene	4.44	75	81865	20.842	ug/l	98
37) Ethyl Acetate	4.28	43	55037	21.929	ug/l	90
38) Carbon Tetrachloride	4.16	117	107753	22.333	ug/l #	91

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	72733	20.692	ug/l	93
40) Benzene	4.80	78	179406	21.526	ug/l	97
41) Methacrylonitrile	4.91	41	23640	19.717	ug/l #	87
42) 1,2-Dichloroethane	5.10	62	104101	21.683	ug/l	99
43) Isopropyl Acetate	7.10	43	66356	21.576	ug/l #	94
44) Trichloroethene	5.67	130	62687	21.704	ug/l	92
45) 1,2-Dichloropropane	6.39	63	52750	21.695	ug/l	98
46) Dibromomethane	6.24	93	41512	20.230	ug/l	94
47) Bromodichloromethane	6.53	83	105692	21.511	ug/l	94
48) Methyl methacrylate	6.86	41	40567	20.836	ug/l	90
49) 1,4-Dioxane	6.86	88	4266	377.807	ug/l #	87
51) 4-Methyl-2-Pentanone	8.40	43	234712	107.015	ug/l	98
52) Toluene	7.76	92	131597	20.459	ug/l	97
53) t-1,3-Dichloropropene	8.42	75	94235	20.429	ug/l	98
54) cis-1,3-Dichloropropene	7.45	75	104191	21.394	ug/l	97
55) 1,1,2-Trichloroethane	8.63	97	50606	20.381	ug/l	95
56) Ethyl methacrylate	8.75	69	61415	21.633	ug/l	96
57) 1,3-Dichloropropane	8.99	76	88611	21.577	ug/l	91
58) 2-Chloroethyl Vinyl ether	7.76	63	22869	100.728	ug/l	100
59) 2-Hexanone	9.62	43	200976	115.580	ug/l	97
60) Dibromochloromethane	8.85	129	79597	21.786	ug/l	94
61) 1,2-Dibromoethane	9.13	107	61256	21.416	ug/l	90
64) Tetrachloroethene	8.29	164	62609	22.195	ug/l	91
65) Chlorobenzene	9.93	112	166485	21.301	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	72845	22.373	ug/l	98
67) Ethyl Benzene	10.02	91	279904	21.097	ug/l	94
68) m/p-Xylenes	10.26	106	210444	44.126	ug/l	97
69) o-Xylene	10.82	106	117613	22.328	ug/l	100
70) Styrene	10.89	104	175237	22.066	ug/l	98
71) Bromoform	10.88	173	46284	19.933	ug/l	96
73) Isopropylbenzene	11.21	105	354484	21.806	ug/l	95
74) N-amyl acetate	11.45	43	121311	22.854	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.78	83	79698	20.895	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	61818	22.134	ug/l	96
77) Bromobenzene	11.59	156	92950	21.164	ug/l	94
78) n-propylbenzene	11.68	91	419552	21.813	ug/l	97
79) 2-Chlorotoluene	11.81	91	247846	21.492	ug/l	97
80) 1,3,5-Trimethylbenzene	11.90	105	302759	22.027	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	37634	21.042	ug/l	87
82) 4-Chlorotoluene	11.98	91	268266	21.657	ug/l	99
83) tert-Butylbenzene	12.20	119	350144	25.168	ug/l	92
84) 1,2,4-Trimethylbenzene	12.28	105	318830	22.023	ug/l	99
85) sec-Butylbenzene	12.38	105	403229	21.720	ug/l	98
86) p-Isopropyltoluene	12.53	119	351195	22.943	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	173336	22.010	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	168967	21.727	ug/l	97
89) n-Butylbenzene	12.91	91	350061	22.457	ug/l	96
90) Hexachloroethane	12.99	117	84500	22.083	ug/l	87
91) 1,2-Dichlorobenzene	13.01	146	168265	21.545	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.71	75	16354	19.854	ug/l	91

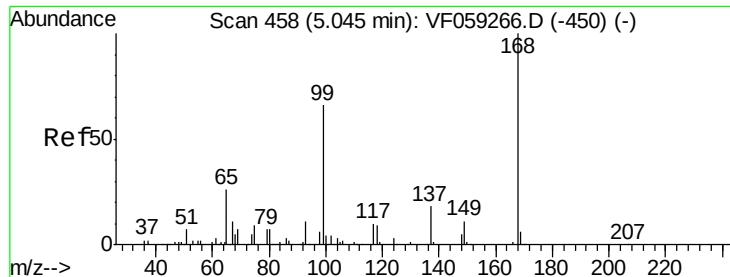
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF062218\
Data File : VF059282.D
Acq On : 22 Jun 2018 19:09
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F062118S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 22 05:22:31 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	127485	22.347	ug/l	100
94) Hexachlorobutadiene	14.25	225	73011	21.594	ug/l	97
95) Naphthalene	14.52	128	254674	21.740	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	119591	22.279	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

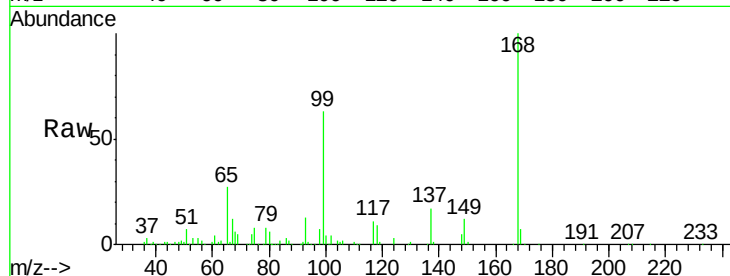
VF0622SBSD01

Tgt Ion:168 Resp: 237500

Ion Ratio Lower Upper

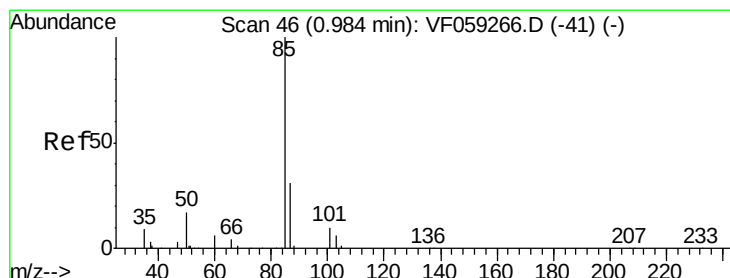
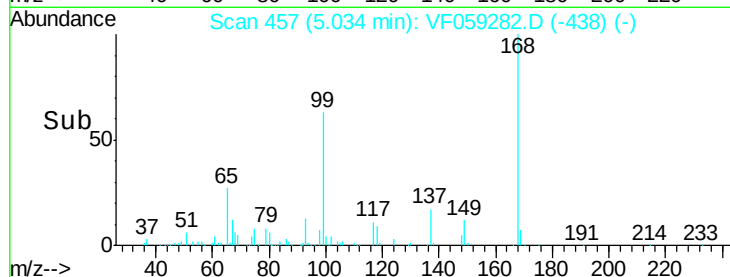
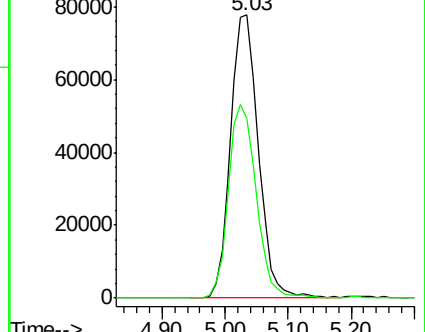
168 100

99 63.3 52.6 78.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 20.729 ug/l

RT: 0.99 min Scan# 47

Delta R.T. 0.01 min

Lab File: VF059282.D

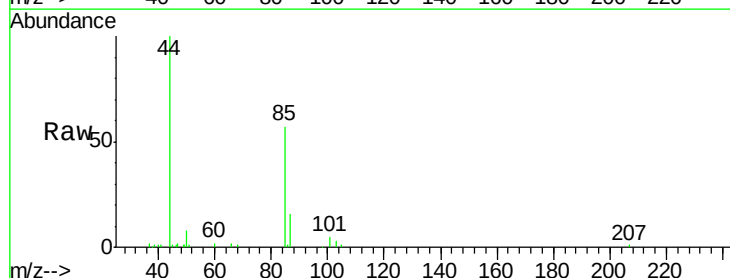
Acq: 22 Jun 2018 19:09

Tgt Ion: 85 Resp: 57316

Ion Ratio Lower Upper

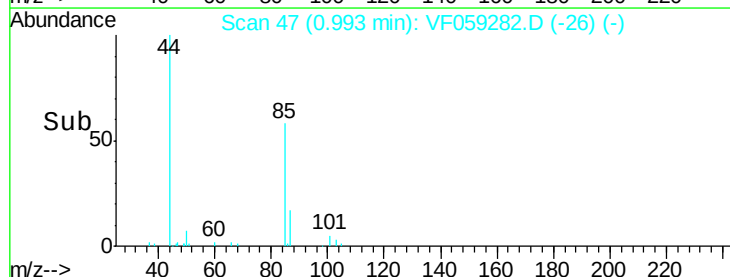
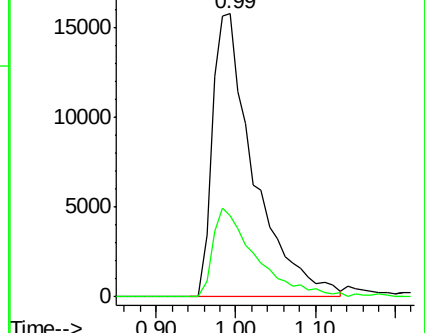
85 100

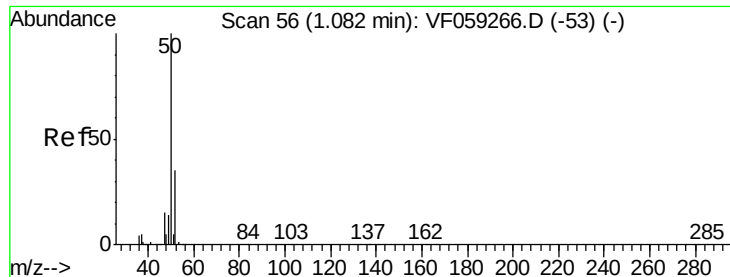
87 28.7 15.6 46.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 21.244 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

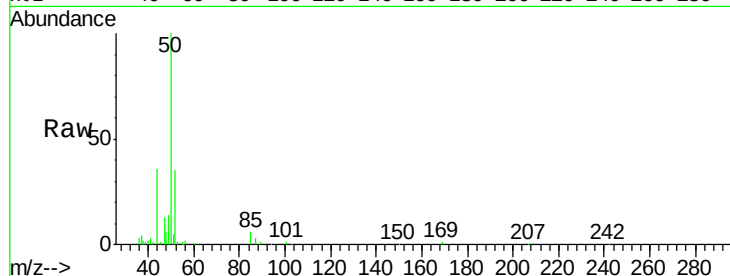
VF0622SBS01

Tgt Ion: 50 Resp: 37004

Ion Ratio Lower Upper

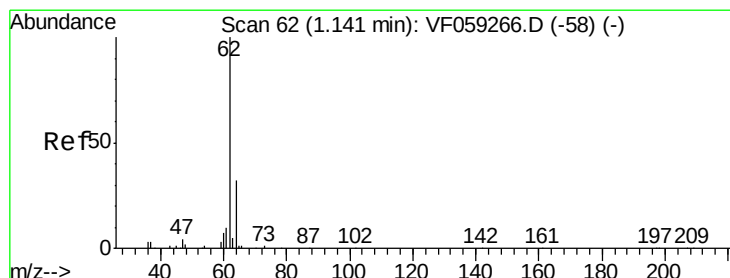
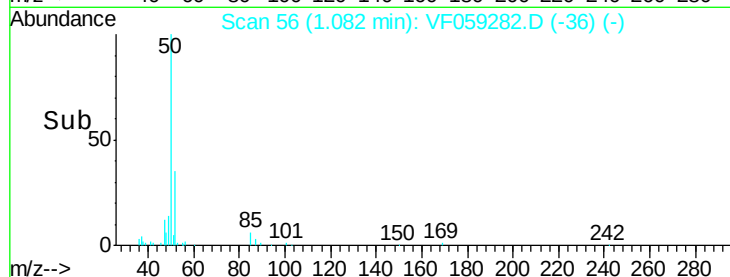
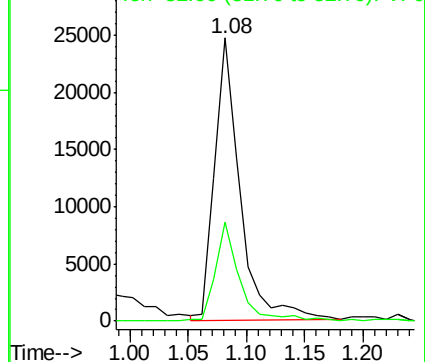
50 100

52 35.1 27.7 41.5



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 21.135 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF059282.D

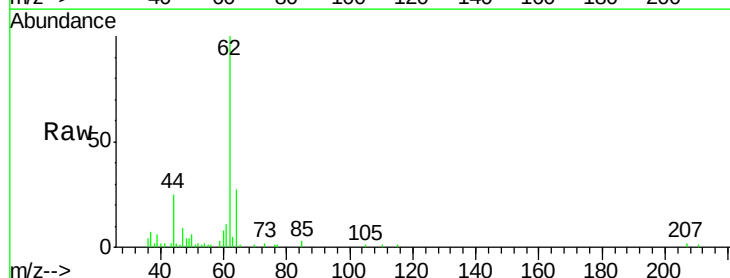
Acq: 22 Jun 2018 19:09

Tgt Ion: 62 Resp: 36503

Ion Ratio Lower Upper

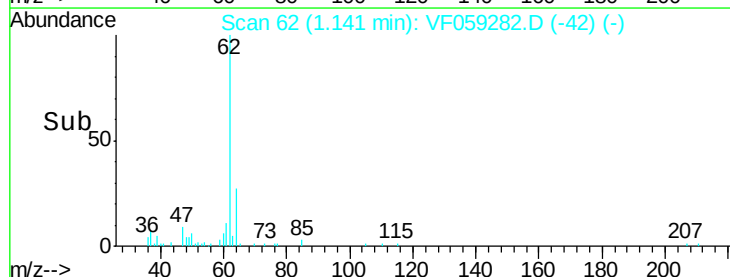
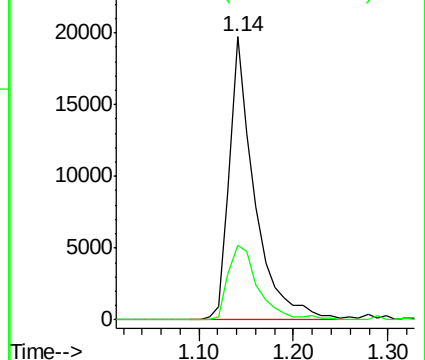
62 100

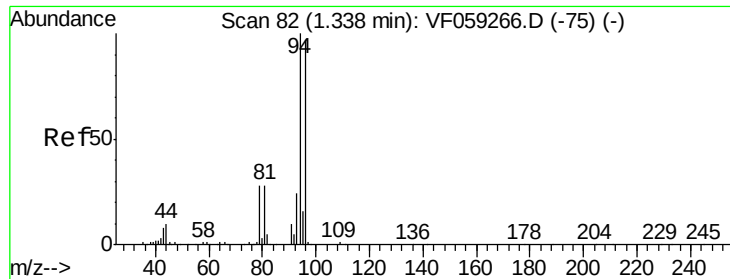
64 26.6 25.7 38.5



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 19.499 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

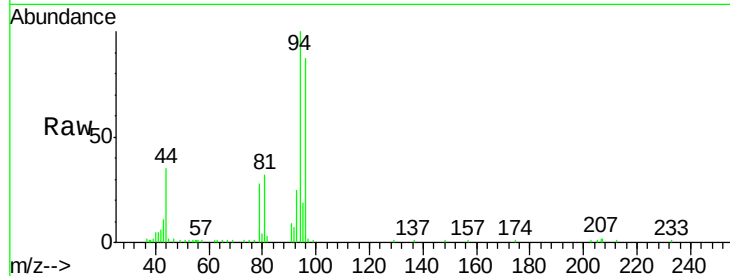
VF0622SBSD01

Tgt Ion: 94 Resp: 24143

Ion Ratio Lower Upper

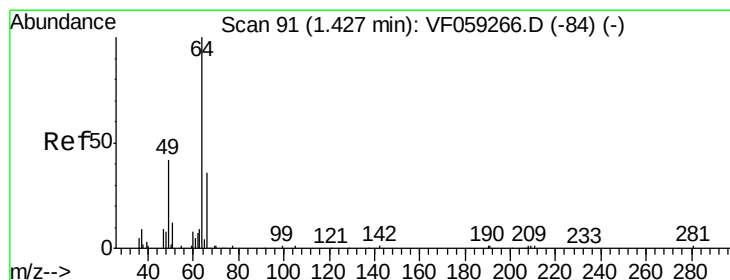
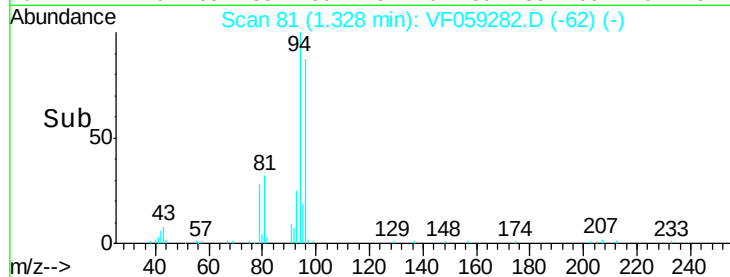
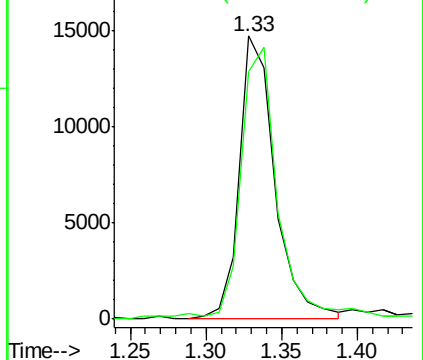
94 100

96 87.5 77.7 116.5



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 22.192 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.01 min

Lab File: VF059282.D

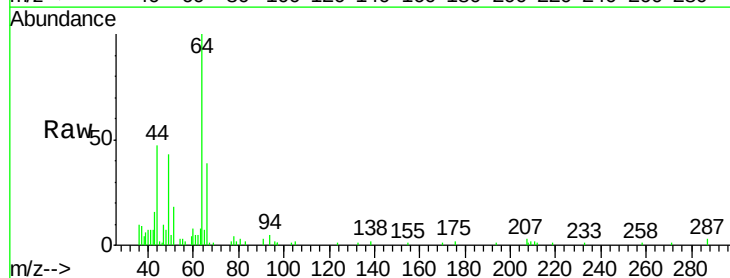
Acq: 22 Jun 2018 19:09

Tgt Ion: 64 Resp: 18697

Ion Ratio Lower Upper

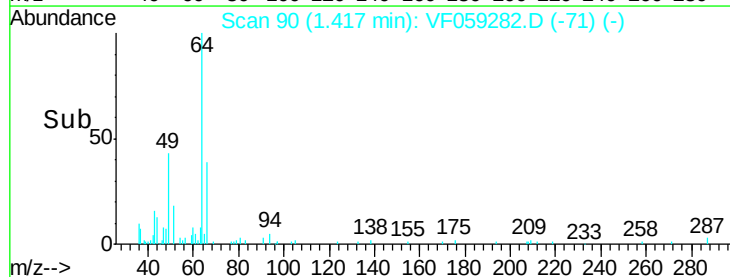
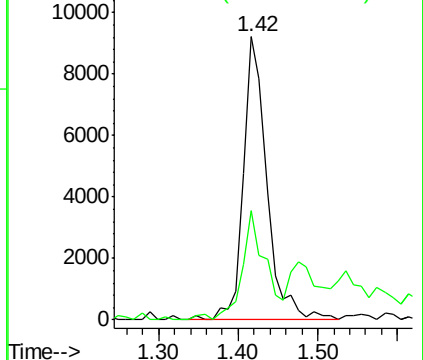
64 100

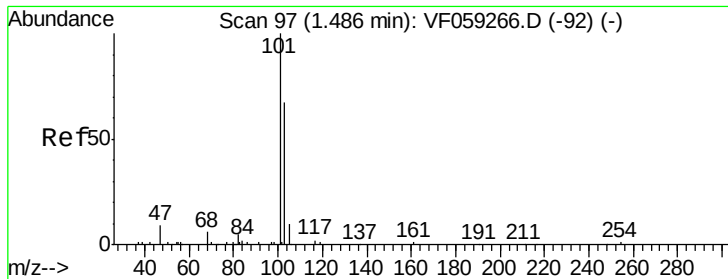
66 38.6 29.4 44.2



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 7.241 ug/l

RT: 1.48 min Scan# 96

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

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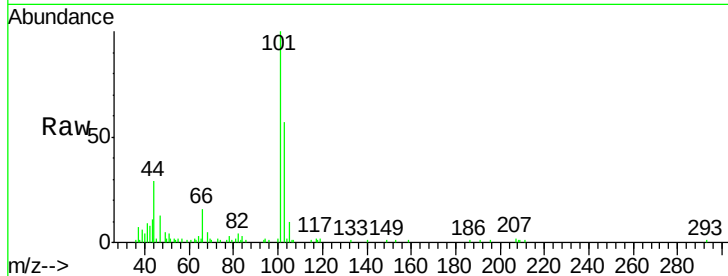
VF0622SBSD01

Tgt Ion:101 Resp: 24489

Ion Ratio Lower Upper

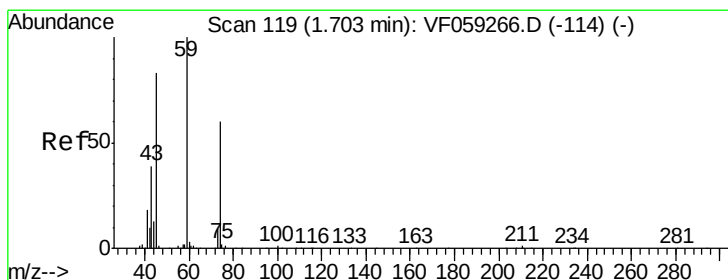
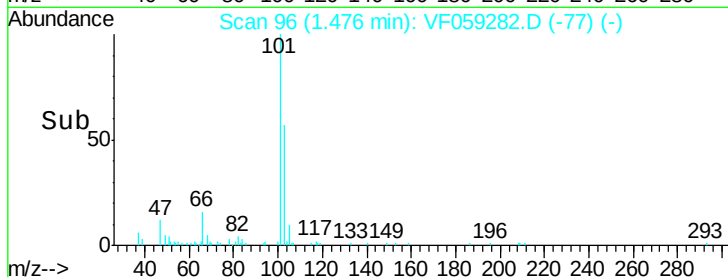
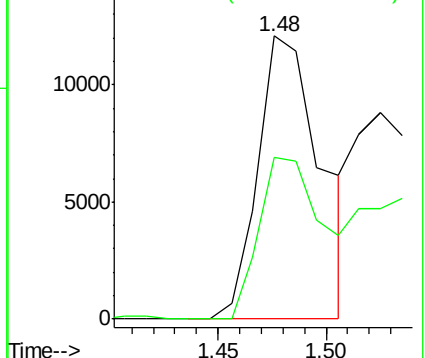
101 100

103 57.2 53.8 80.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 22.199 ug/l

RT: 1.69 min Scan# 118

Delta R.T. -0.01 min

Lab File: VF059282.D

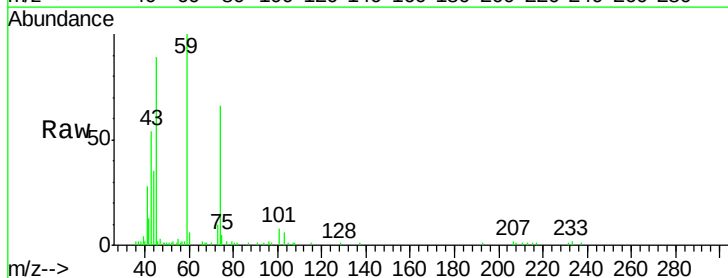
Acq: 22 Jun 2018 19:09

Tgt Ion: 74 Resp: 16899

Ion Ratio Lower Upper

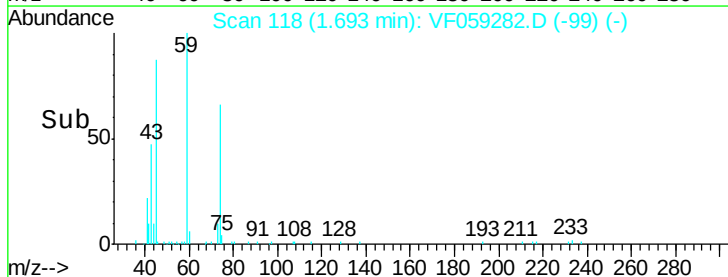
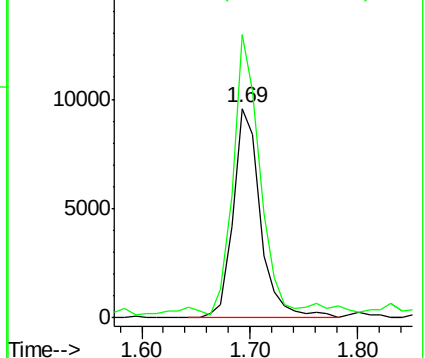
74 100

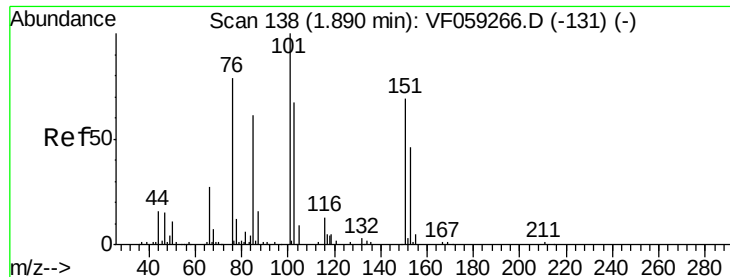
45 135.0 69.2 207.4



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: 22.829 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.00 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VF0622SBS01

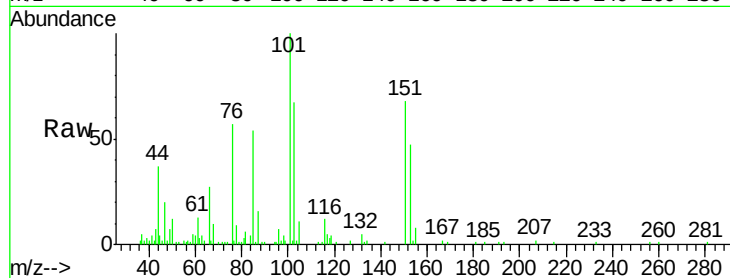
Tgt Ion:101 Resp: 43087

Ion Ratio Lower Upper

101 100

85 54.4 47.2 70.8

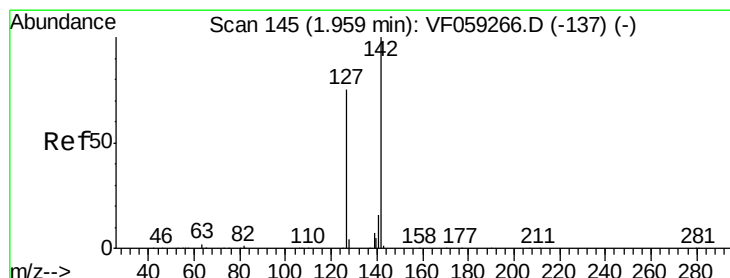
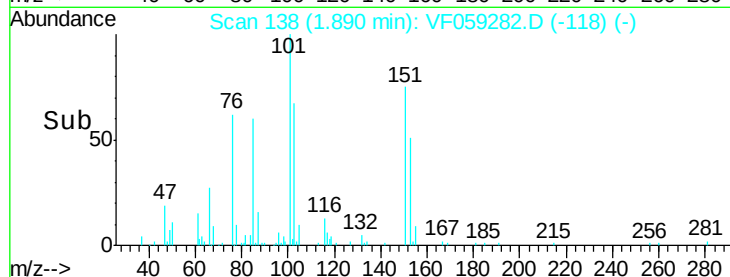
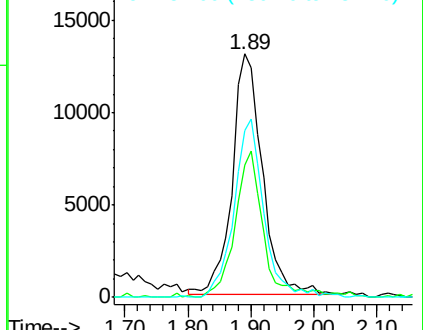
151 68.3 53.3 79.9



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: 22.189 ug/l

RT: 1.96 min Scan# 145

Delta R.T. -0.00 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

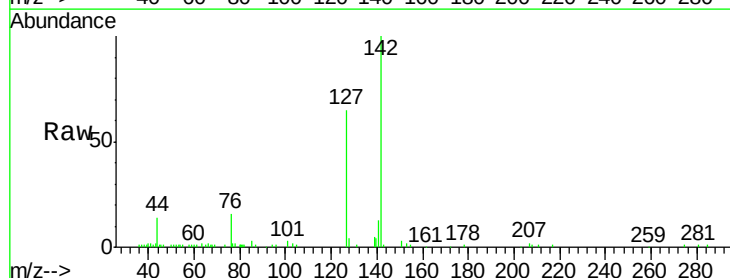
Tgt Ion:142 Resp: 76549

Ion Ratio Lower Upper

142 100

127 65.0 59.9 89.9

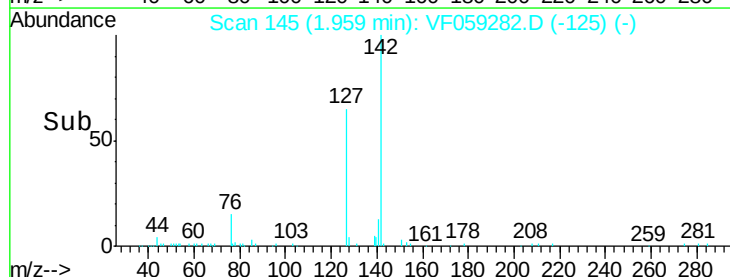
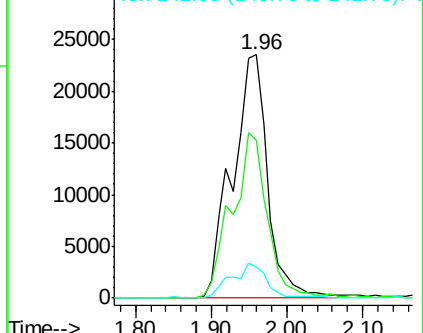
141 12.6 12.7 19.1#

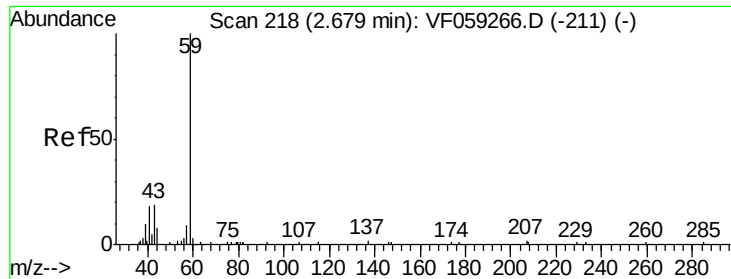


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

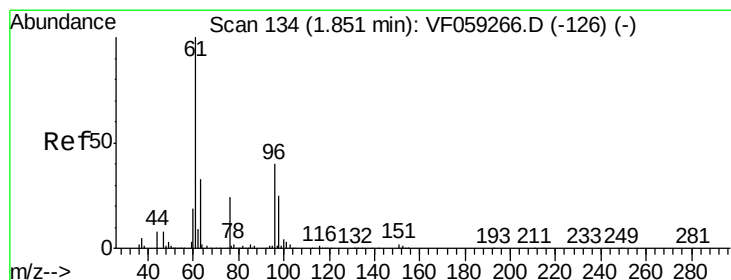
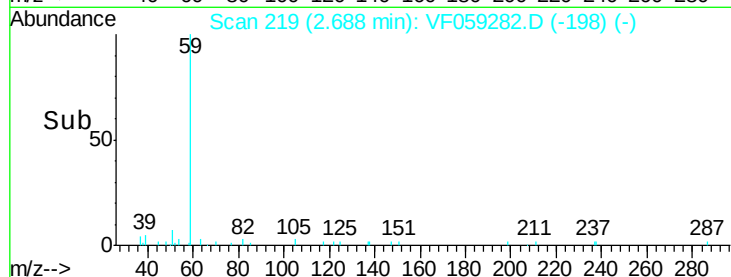
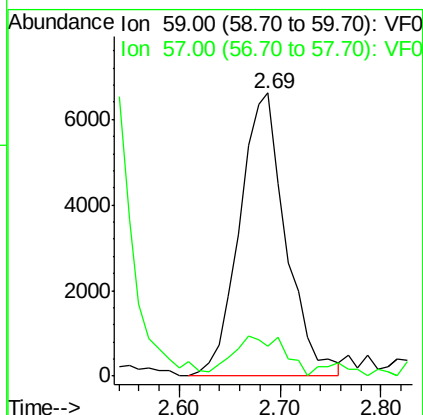
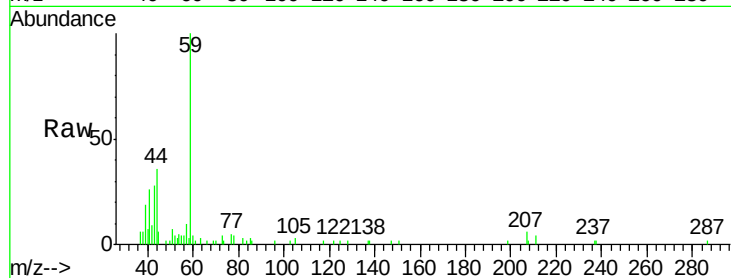




#11
Tert butyl alcohol
Concen: 106.647 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.01 min
Lab File: VF059282.D
Acq: 22 Jun 2018 19:09

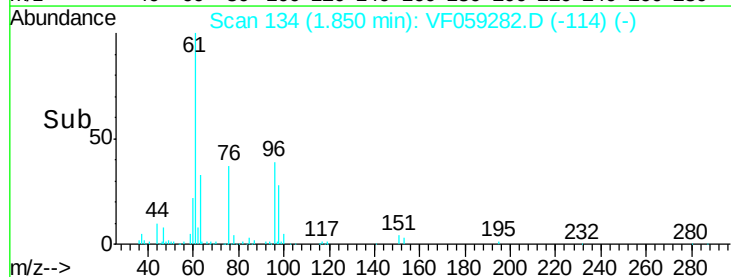
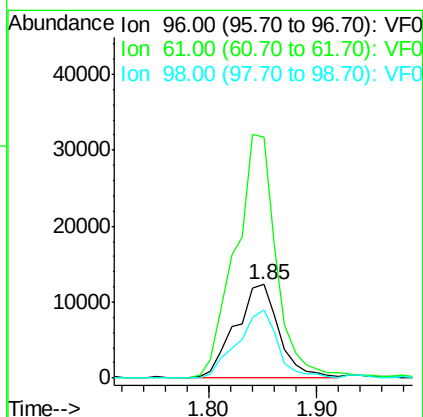
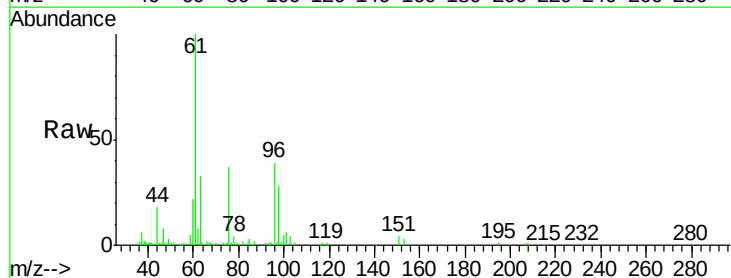
Instrument :
MSVOA_F
ClientSampleId :
VF0622SBS01

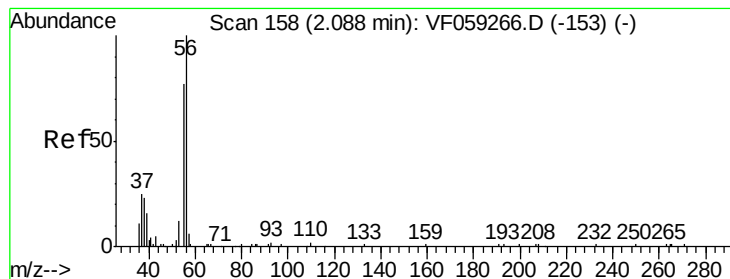
Tgt Ion: 59 Resp: 21186
Ion Ratio Lower Upper
59 100
57 10.4 9.2 13.8



#12
1,1-Dichloroethene
Concen: 20.633 ug/l
RT: 1.85 min Scan# 134
Delta R.T. -0.00 min
Lab File: VF059282.D
Acq: 22 Jun 2018 19:09

Tgt Ion: 96 Resp: 34730
Ion Ratio Lower Upper
96 100
61 258.7 201.4 302.2
98 73.3 50.0 75.0





#13

Acrolein

Concen: 111.934 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

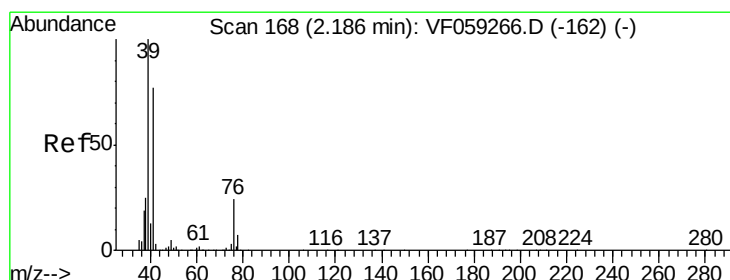
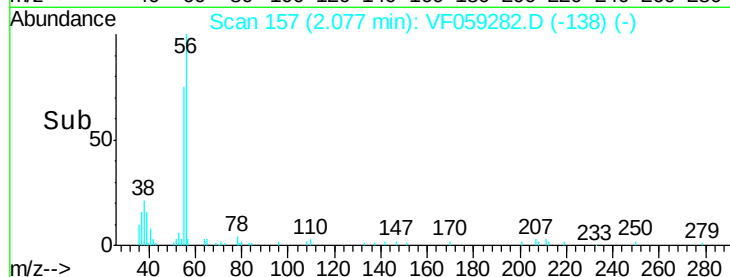
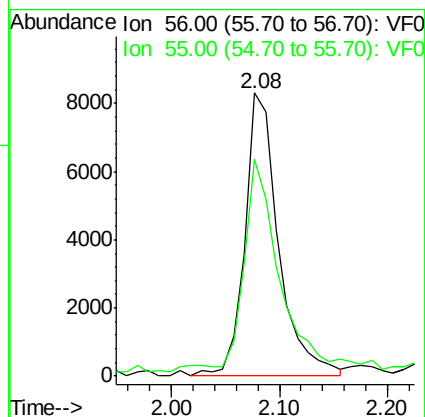
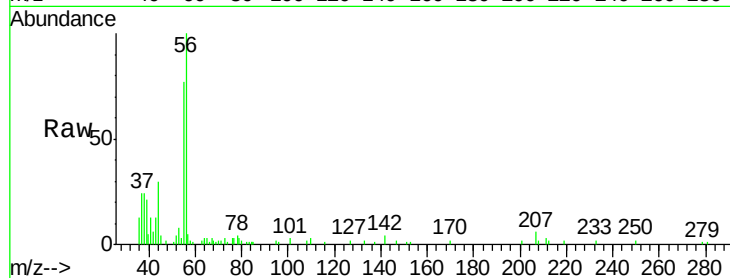
VF0622SBS01

Tgt Ion: 56 Resp: 18047

Ion Ratio Lower Upper

56 100

55 76.6 63.0 94.6



#14

Allyl chloride

Concen: 19.816 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

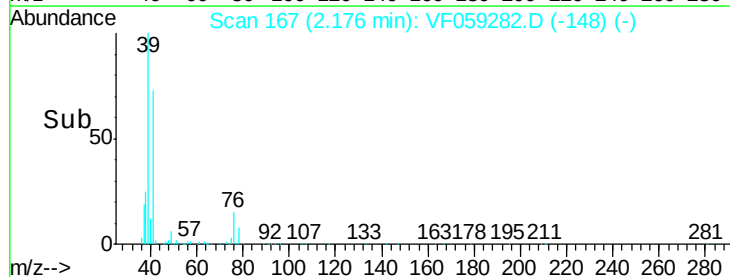
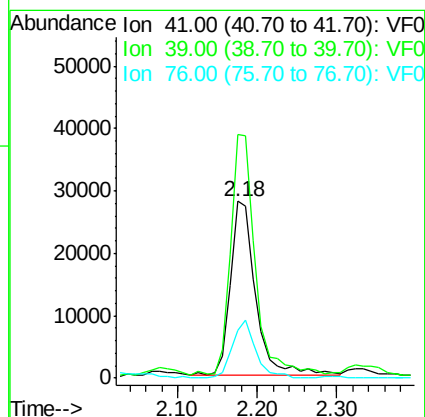
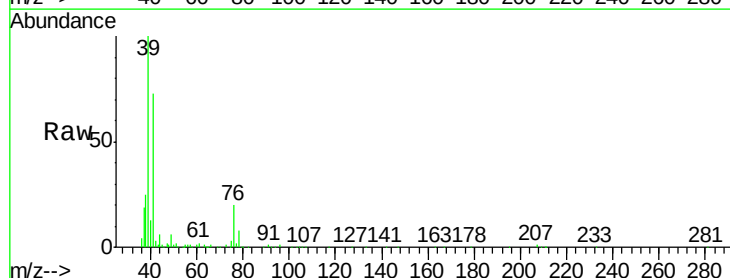
Tgt Ion: 41 Resp: 61568

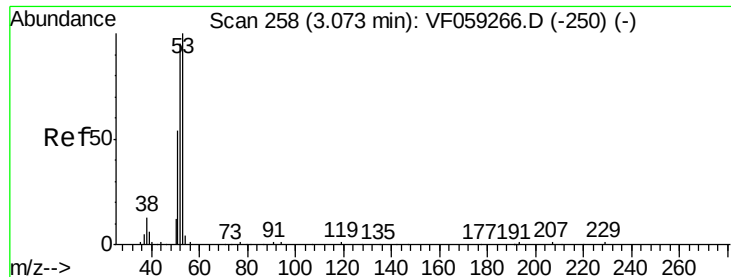
Ion Ratio Lower Upper

41 100

39 137.7 103.8 155.6

76 27.3 25.0 37.6





#15

Acrylonitrile

Concen: 117.922 ug/l

RT: 3.06 min Scan# 257

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VF0622SBS01

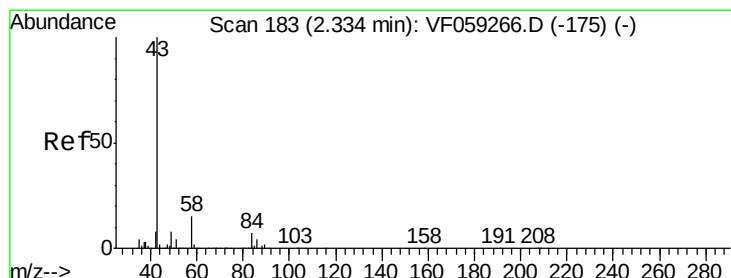
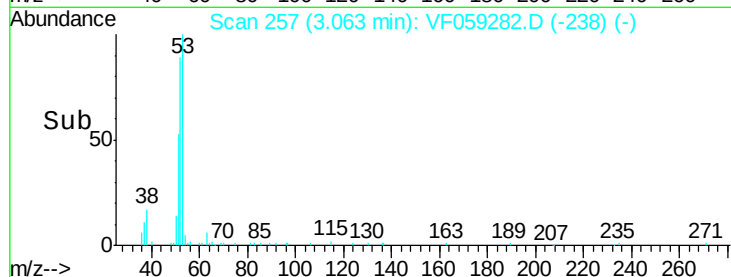
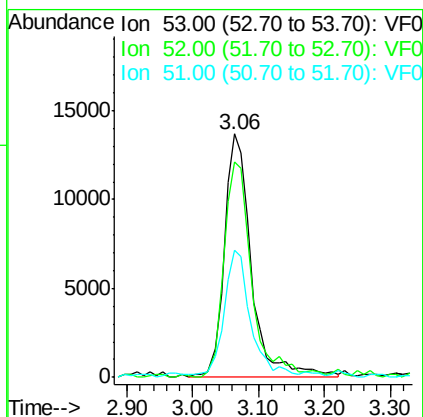
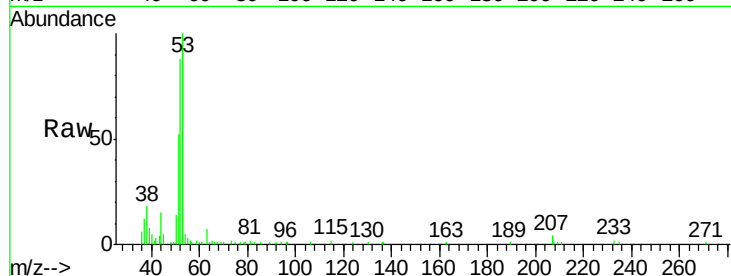
Tgt Ion: 53 Resp: 39465

Ion Ratio Lower Upper

53 100

52 88.4 75.7 113.5

51 52.3 44.5 66.7



#16

Acetone

Concen: 107.200 ug/l

RT: 2.33 min Scan# 183

Delta R.T. -0.00 min

Lab File: VF059282.D

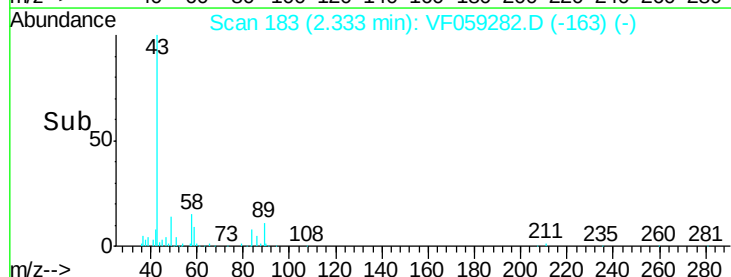
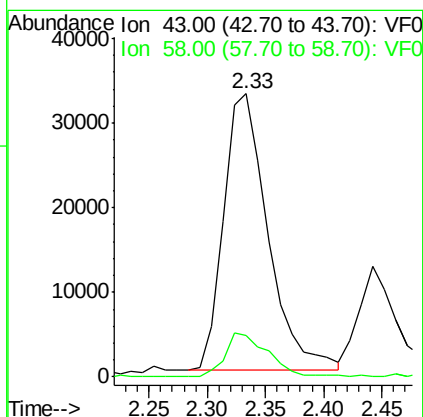
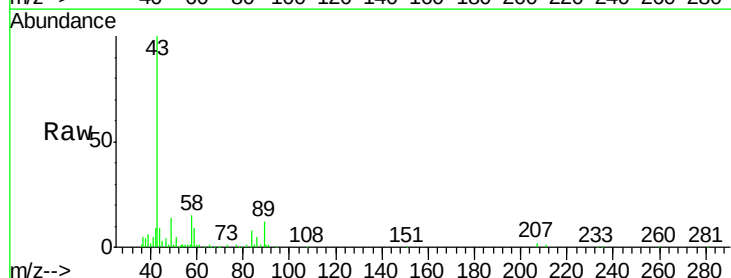
Acq: 22 Jun 2018 19:09

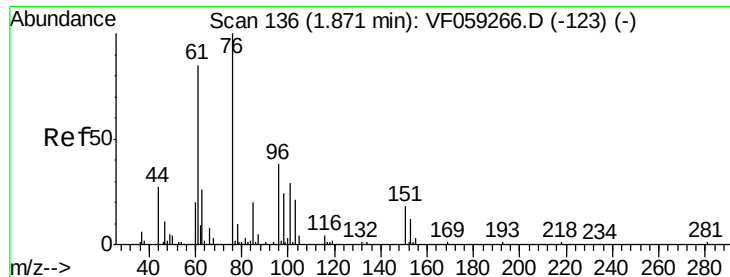
Tgt Ion: 43 Resp: 86375

Ion Ratio Lower Upper

43 100

58 14.5 12.1 18.1

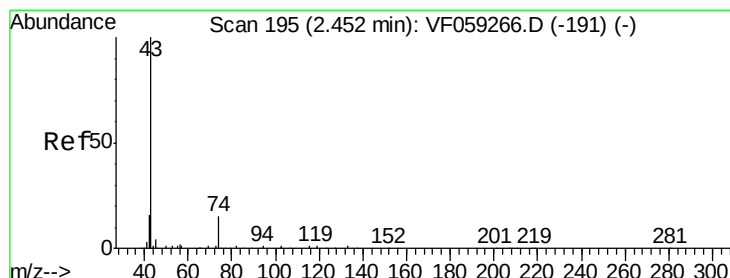
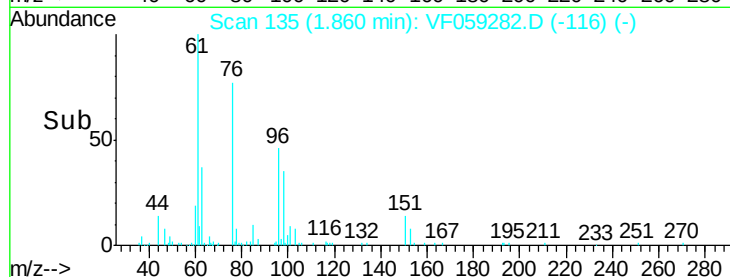
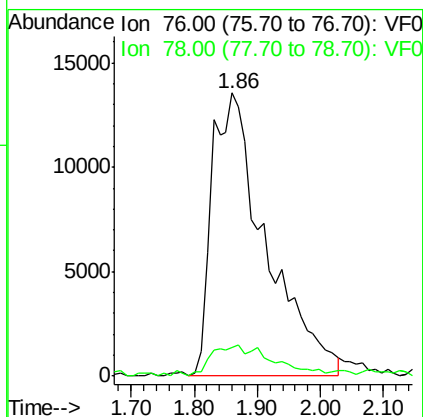
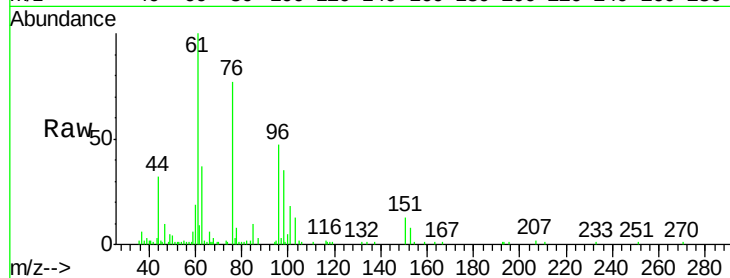




#17
Carbon Disulfide
Concen: 19.683 ug/l
RT: 1.86 min Scan# 135
Delta R.T. -0.01 min
Lab File: VF059282.D
Acq: 22 Jun 2018 19:09

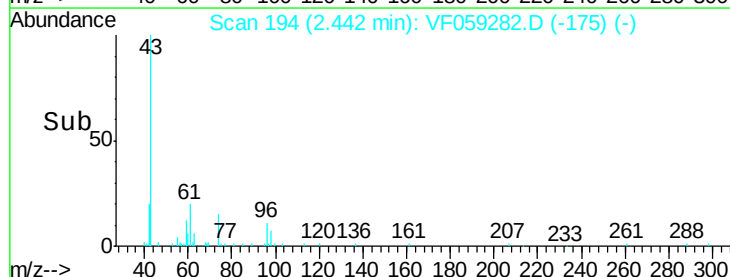
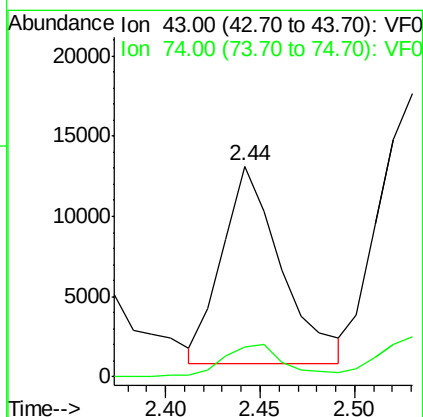
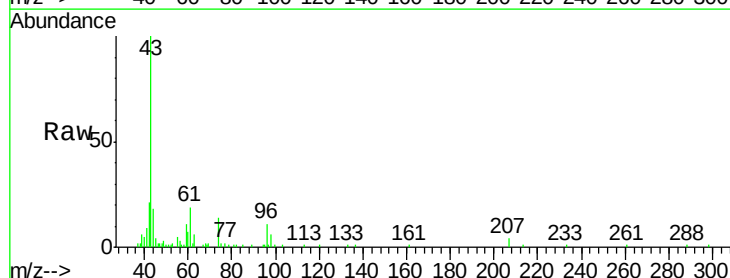
Instrument :
MSVOA_F
ClientSampleId :
VF0622SBSD01

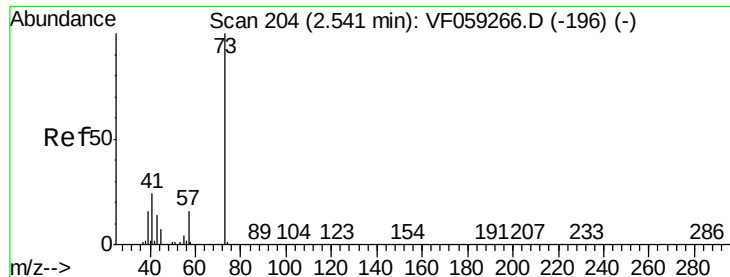
Tgt Ion: 76 Resp: 80475
Ion Ratio Lower Upper
76 100
78 10.1 8.6 12.8



#18
Methyl Acetate
Concen: 17.607 ug/l
RT: 2.44 min Scan# 194
Delta R.T. -0.01 min
Lab File: VF059282.D
Acq: 22 Jun 2018 19:09

Tgt Ion: 43 Resp: 26747
Ion Ratio Lower Upper
43 100
74 14.3 11.0 16.4





#19

Methyl tert-butyl Ether

Concen: 22.200 ug/l

RT: 2.53 min Scan# 203

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

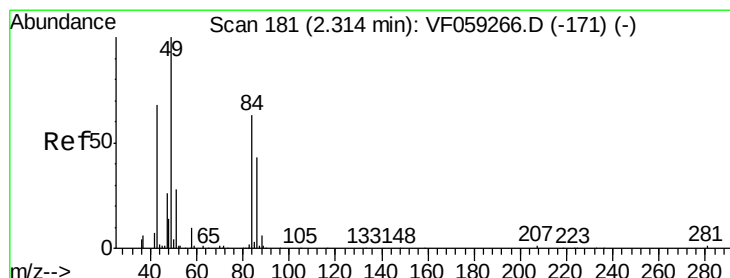
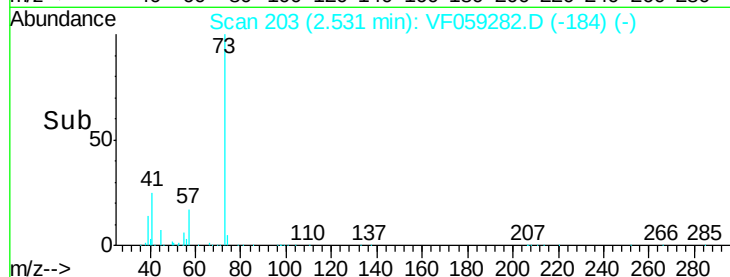
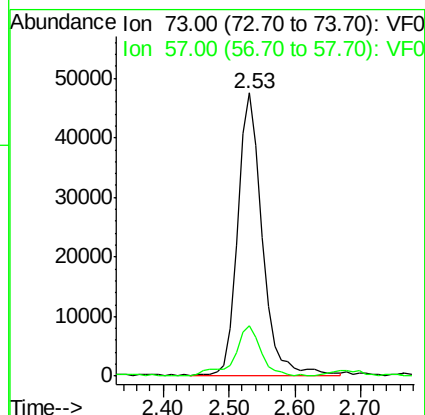
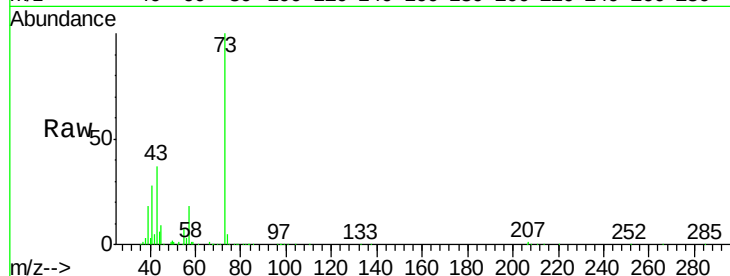
VF0622SBSD01

Tgt Ion: 73 Resp: 125349

Ion Ratio Lower Upper

73 100

57 17.9 13.0 19.4



#20

Methylene Chloride

Concen: 21.921 ug/l

RT: 2.27 min Scan# 177

Delta R.T. -0.04 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Tgt Ion: 84 Resp: 37444

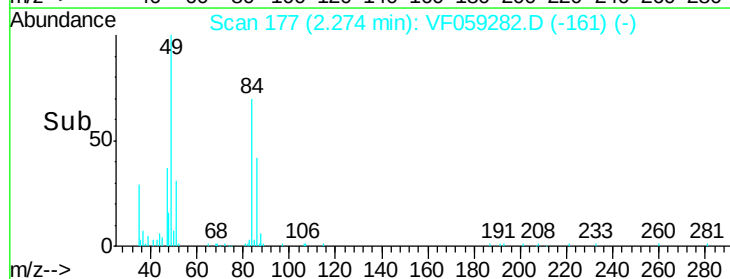
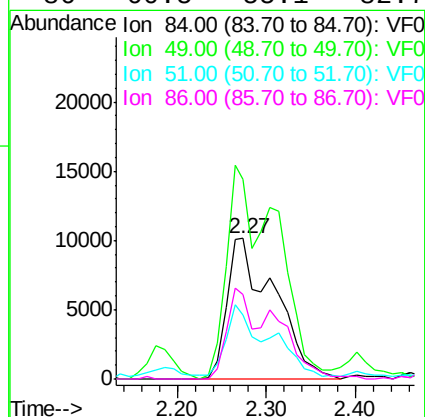
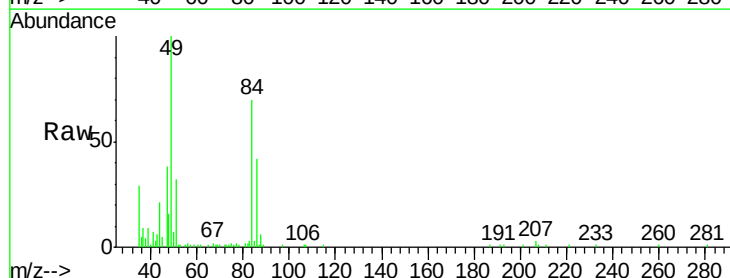
Ion Ratio Lower Upper

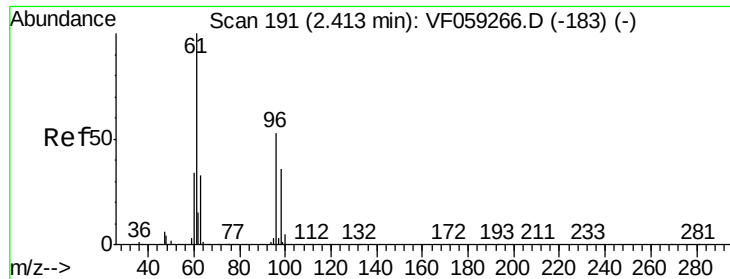
84 100

49 142.3 130.0 195.0

51 45.4 36.6 55.0

86 60.5 55.1 82.7





#21

trans-1,2-Dichloroethene

Concen: 20.434 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VF0622SBS01

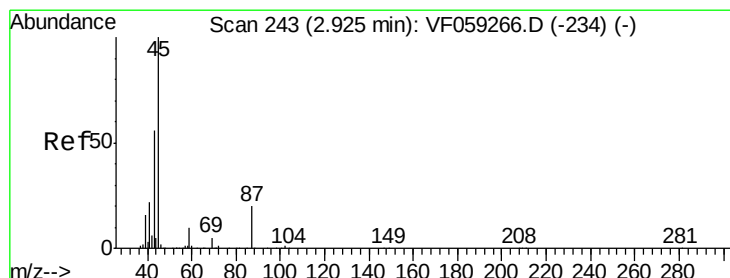
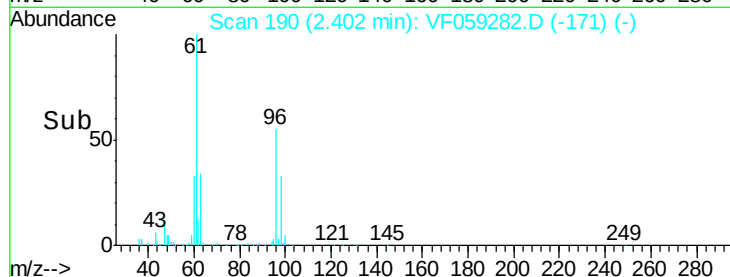
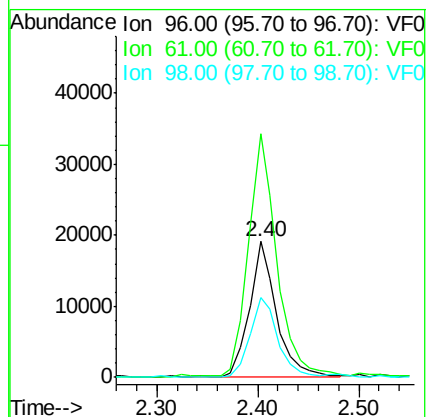
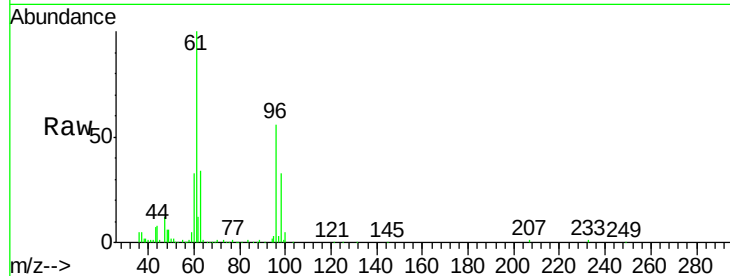
Tgt Ion: 96 Resp: 35907

Ion Ratio Lower Upper

96 100

61 179.4 151.2 226.8

98 58.5 54.2 81.2



#22

Diisopropyl ether

Concen: 22.461 ug/l

RT: 2.92 min Scan# 242

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Tgt Ion: 45 Resp: 144792

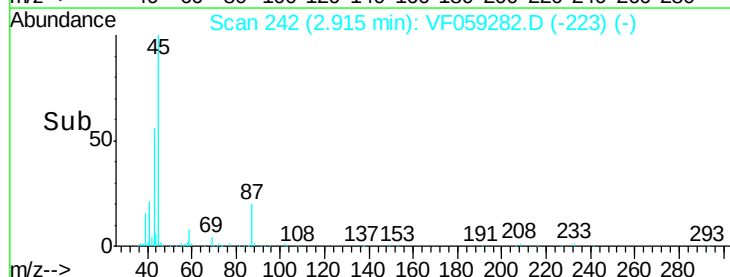
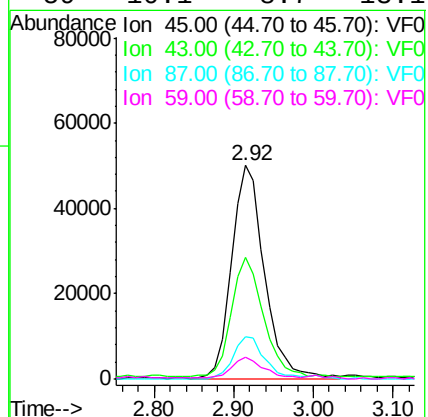
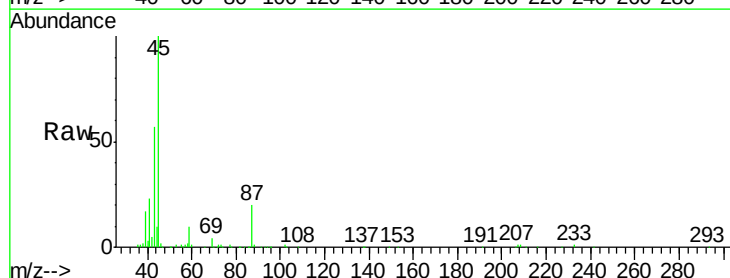
Ion Ratio Lower Upper

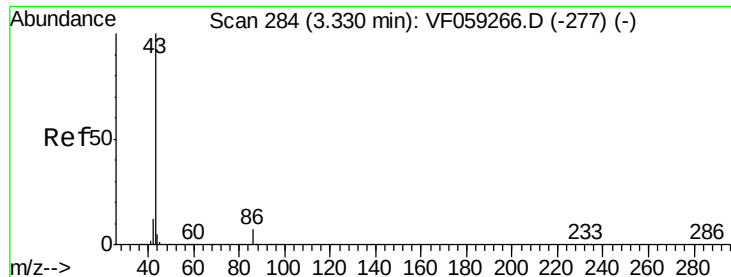
45 100

43 57.0 45.8 68.6

87 19.7 15.7 23.5

59 10.1 8.7 13.1





#23

Vinyl Acetate

Concen: 114.923 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

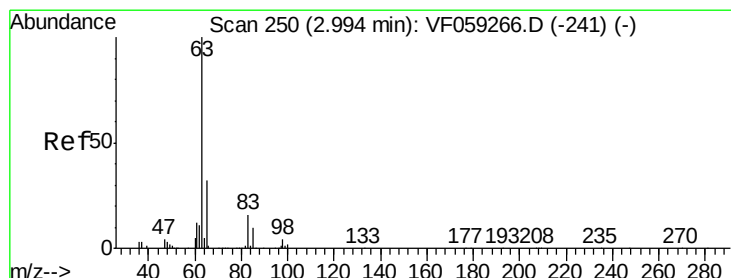
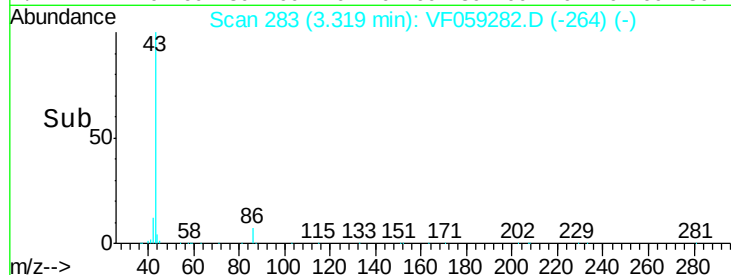
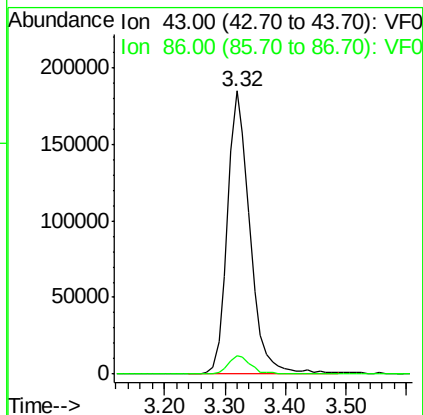
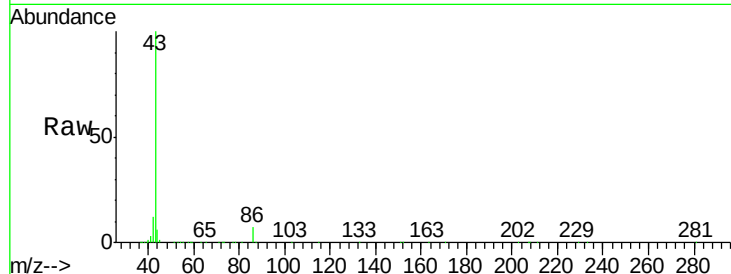
VF0622SBSD01

Tgt Ion: 43 Resp: 473846

Ion Ratio Lower Upper

43 100

86 6.6 5.4 8.2



#24

1,1-Dichloroethane

Concen: 21.673 ug/l

RT: 2.99 min Scan# 250

Delta R.T. -0.00 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

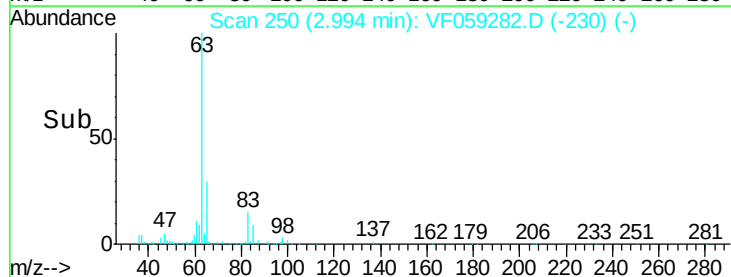
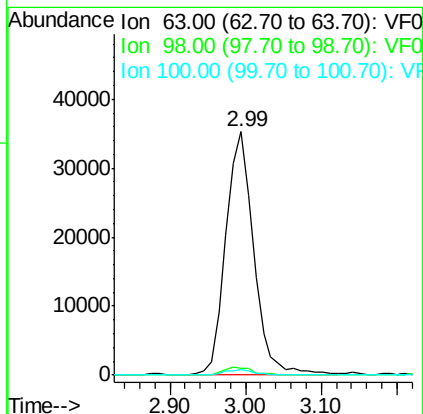
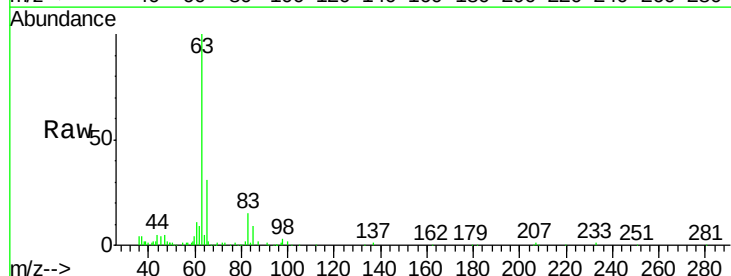
Tgt Ion: 63 Resp: 90573

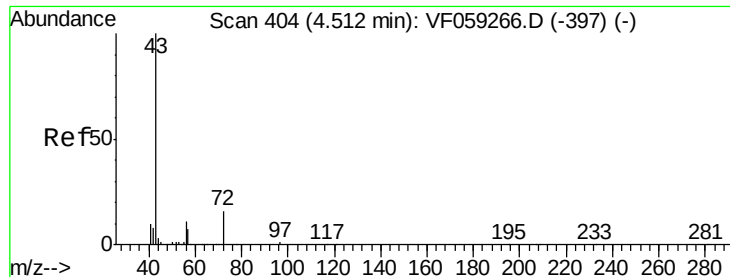
Ion Ratio Lower Upper

63 100

98 3.0 2.0 5.8

100 2.4 1.1 3.1





#25

2-Butanone

Concen: 111.346 ug/l

RT: 4.49 min Scan# 402

Delta R.T. -0.02 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

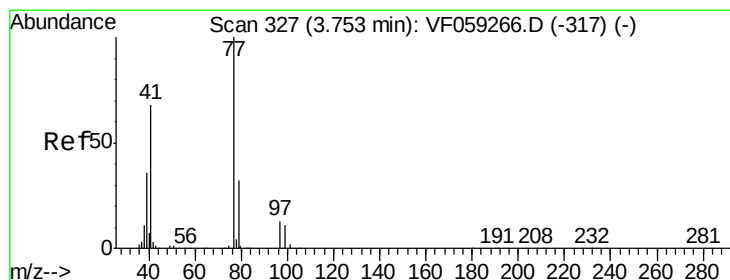
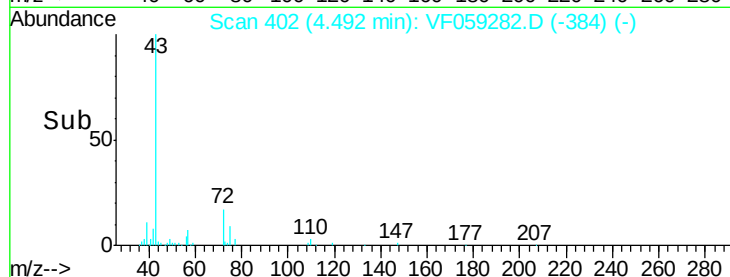
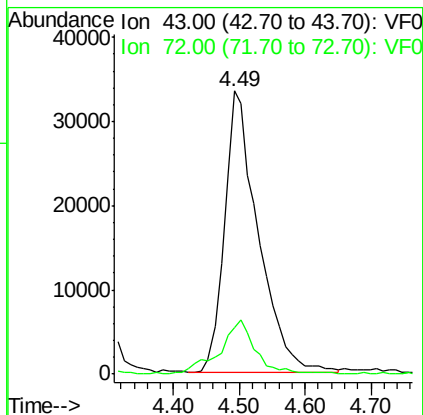
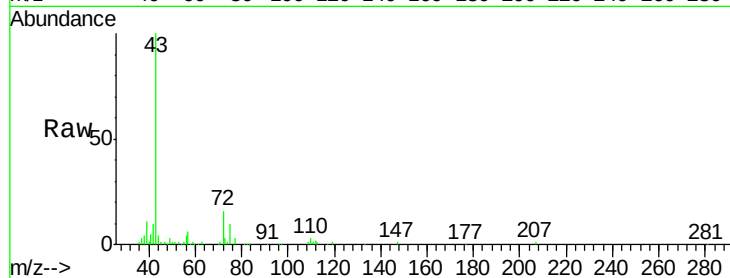
VF0622SBSD01

Tgt Ion: 43 Resp: 119677

Ion Ratio Lower Upper

43 100

72 16.4 15.2 22.8



#26

2,2-Dichloropropane

Concen: 23.788 ug/l

RT: 3.74 min Scan# 326

Delta R.T. -0.01 min

Lab File: VF059282.D

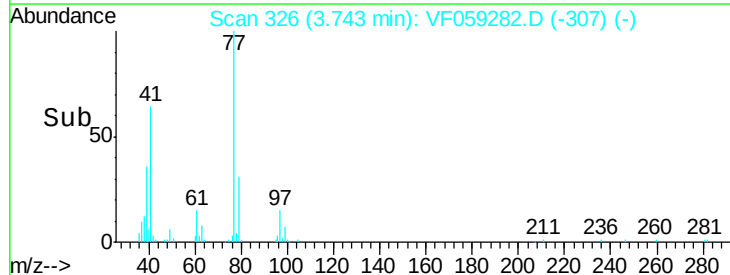
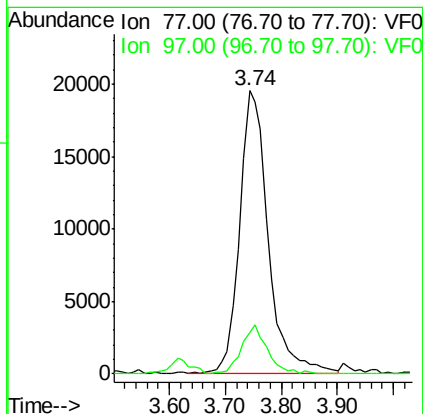
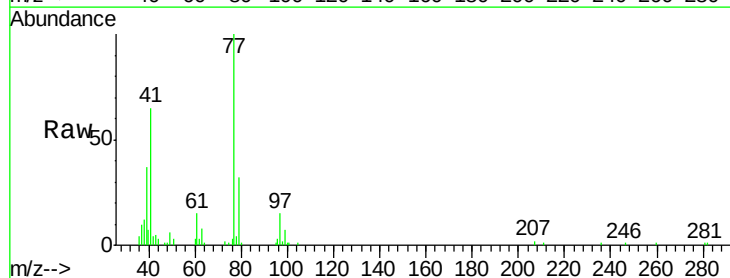
Acq: 22 Jun 2018 19:09

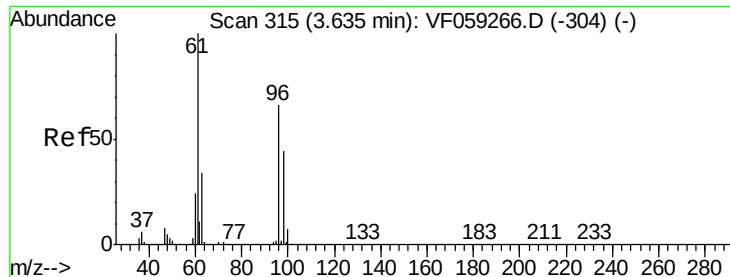
Tgt Ion: 77 Resp: 69280

Ion Ratio Lower Upper

77 100

97 14.5 7.6 22.8



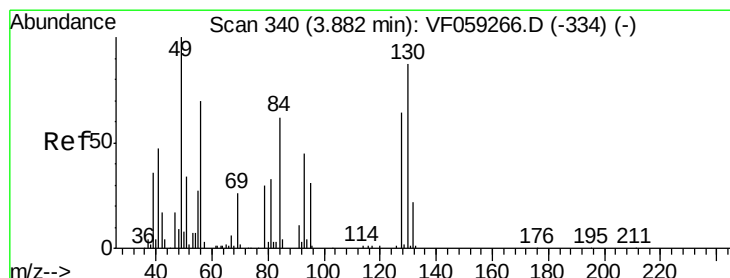
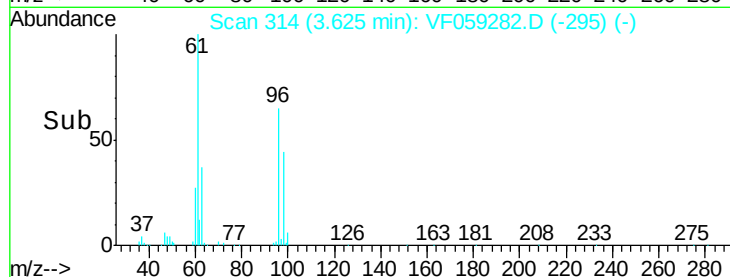
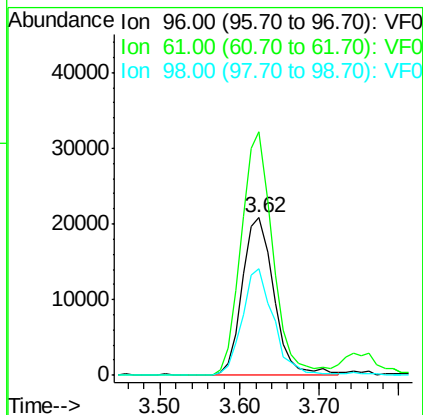
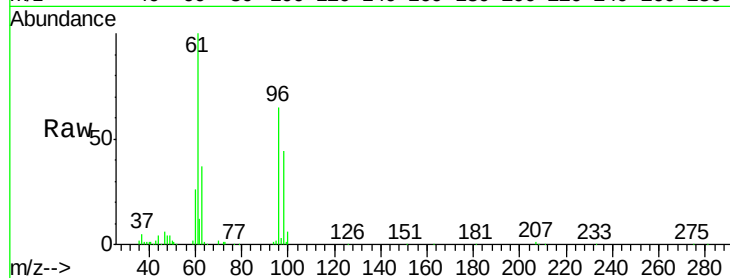


#27

cis-1,2-Dichloroethene
Concen: 21.481 ug/l
RT: 3.62 min Scan# 314
Delta R.T. -0.01 min
Lab File: VF059282.D
Acq: 22 Jun 2018 19:09

Instrument :
MSVOA_F
ClientSampleId :
VF0622SBS01

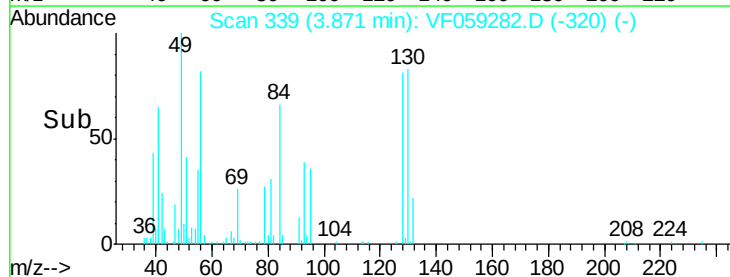
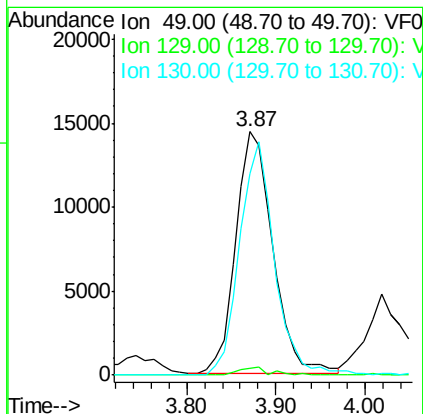
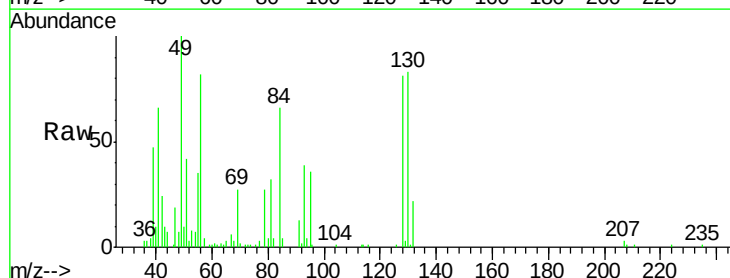
Tgt Ion: 96 Resp: 57343
Ion Ratio Lower Upper
96 100
61 154.8 0.0 305.0
98 67.5 0.0 134.0

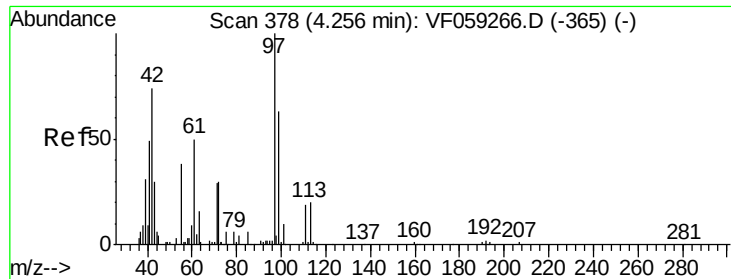


#28

Bromochloromethane
Concen: 24.181 ug/l
RT: 3.87 min Scan# 339
Delta R.T. -0.01 min
Lab File: VF059282.D
Acq: 22 Jun 2018 19:09

Tgt Ion: 49 Resp: 41561
Ion Ratio Lower Upper
49 100
129 2.6 0.0 3.8
130 82.9 69.4 104.2





#29

Tetrahydrofuran

Concen: 100.299 ug/l

RT: 4.25 min Scan# 377

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VF0622SBS01

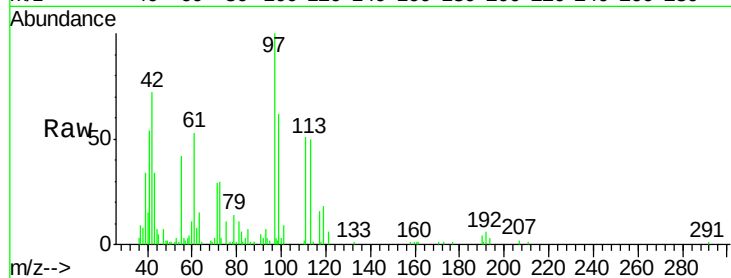
Tgt Ion: 42 Resp: 48403

Ion Ratio Lower Upper

42 100

72 38.7 31.2 46.8

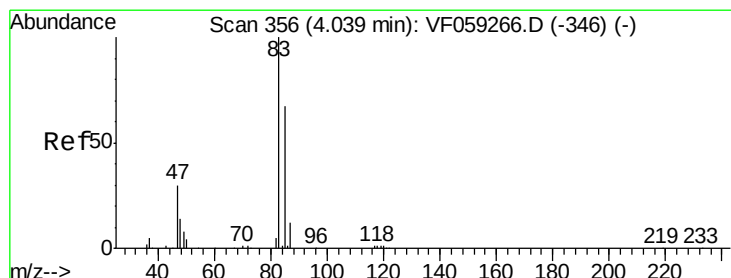
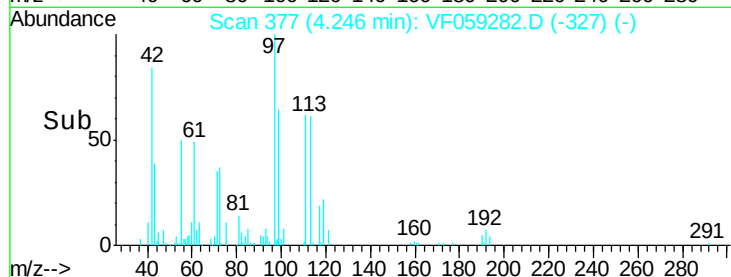
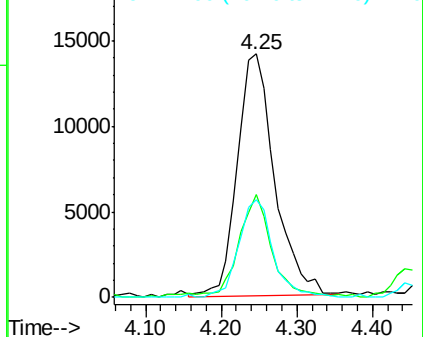
71 36.9 30.2 45.2



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 21.517 ug/l

RT: 4.03 min Scan# 355

Delta R.T. -0.01 min

Lab File: VF059282.D

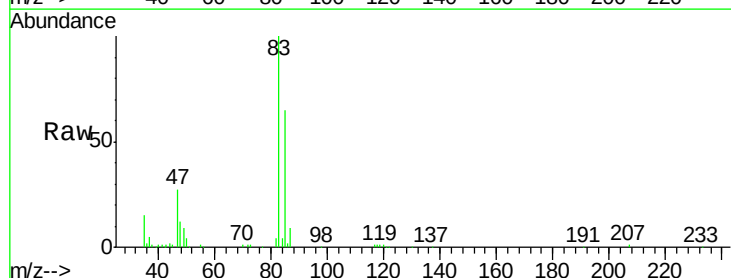
Acq: 22 Jun 2018 19:09

Tgt Ion: 83 Resp: 130201

Ion Ratio Lower Upper

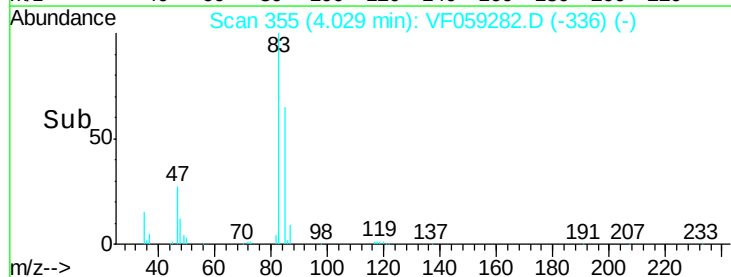
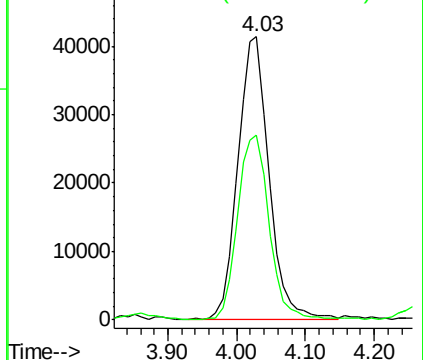
83 100

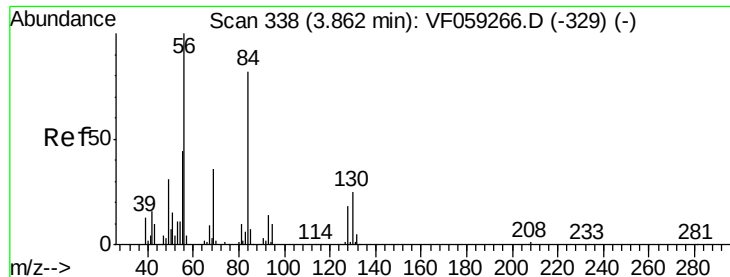
85 65.2 54.2 81.2



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

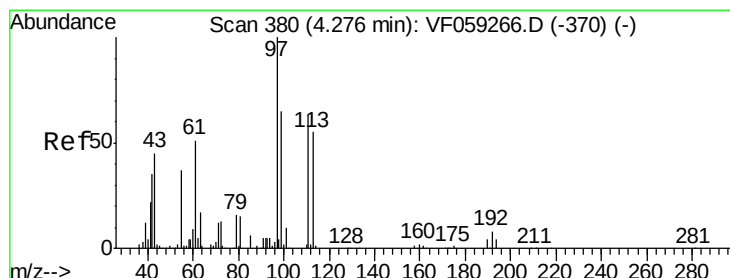
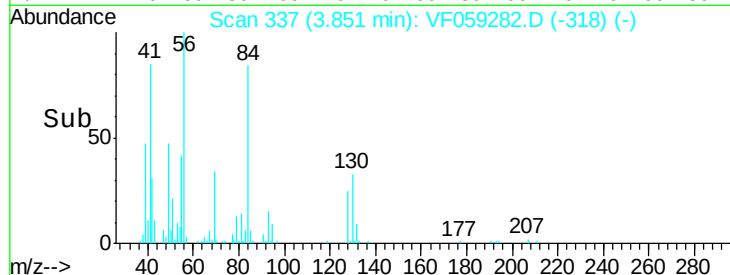
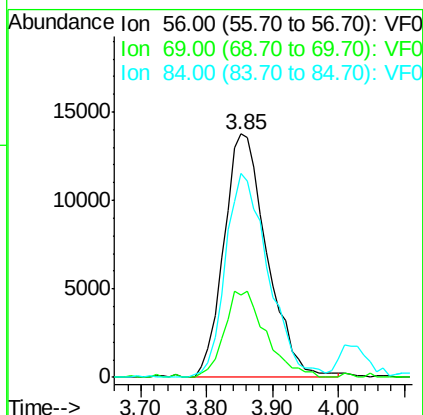
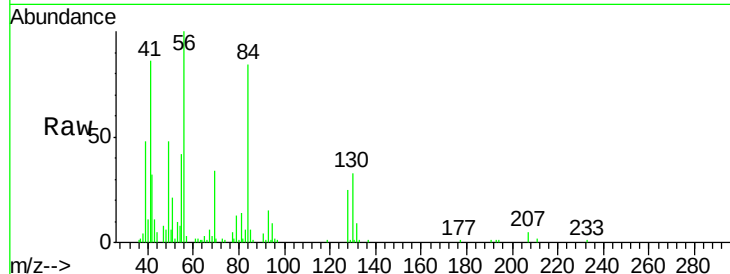




#31
Cyclohexane
Concen: 21.952 ug/l
RT: 3.85 min Scan# 337
Delta R.T. -0.01 min
Lab File: VF059282.D
Acq: 22 Jun 2018 19:09

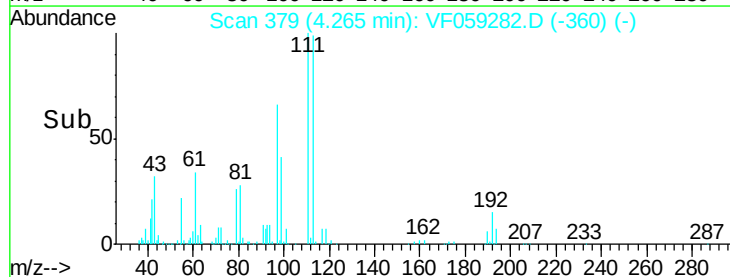
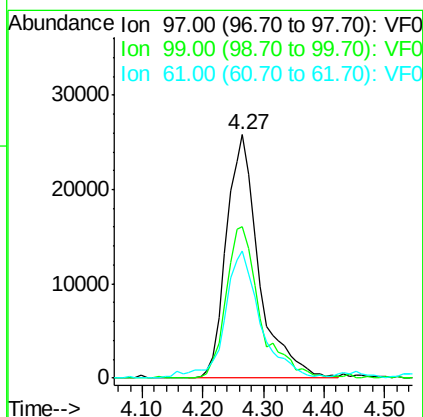
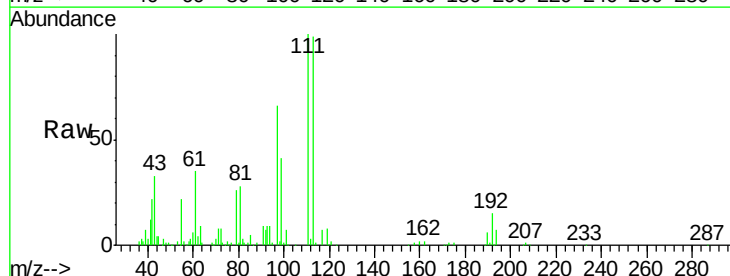
Instrument :
MSVOA_F
ClientSampleId :
VF0622SBSD01

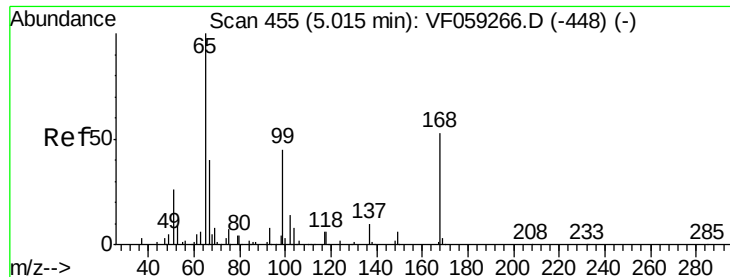
Tgt Ion: 56 Resp: 63149
Ion Ratio Lower Upper
56 100
69 34.0 28.6 43.0
84 83.7 65.8 98.6



#32
1,1,1-Trichloroethane
Concen: 21.169 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.01 min
Lab File: VF059282.D
Acq: 22 Jun 2018 19:09

Tgt Ion: 97 Resp: 96714
Ion Ratio Lower Upper
97 100
99 62.4 52.4 78.6
61 52.4 40.9 61.3

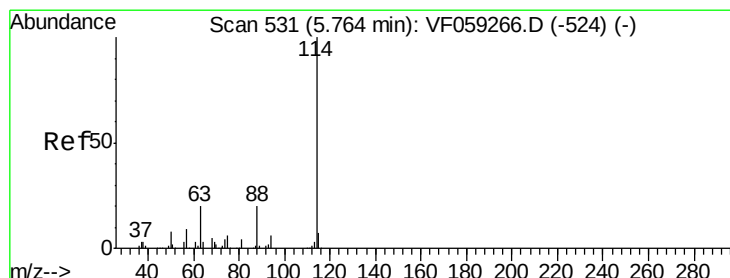
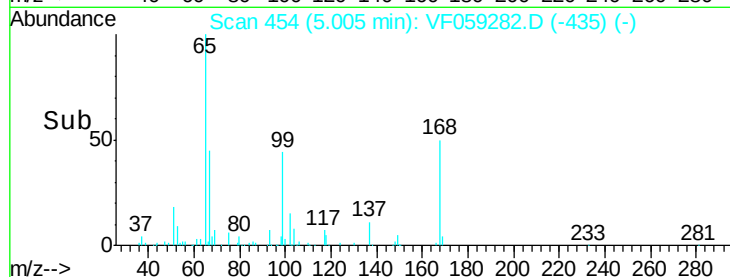
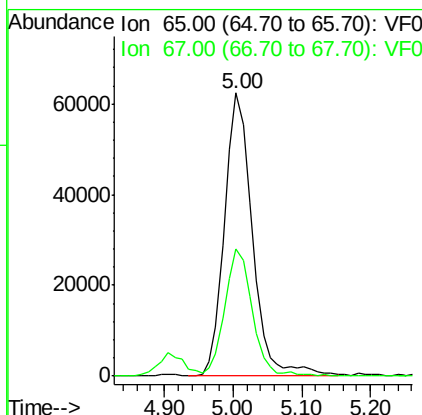
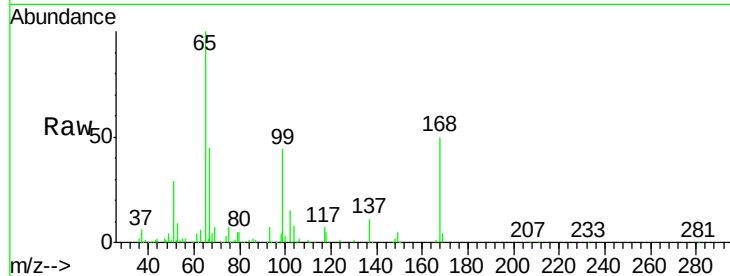




#33
 1,2-Dichloroethane-d4
 Concen: 51.109 ug/l
 RT: 5.00 min Scan# 454
 Delta R.T. -0.01 min
 Lab File: VF059282.D
 Acq: 22 Jun 2018 19:09

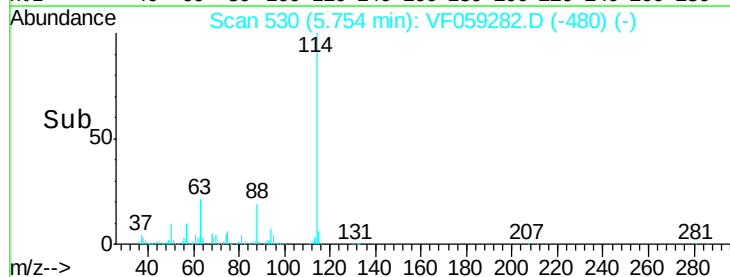
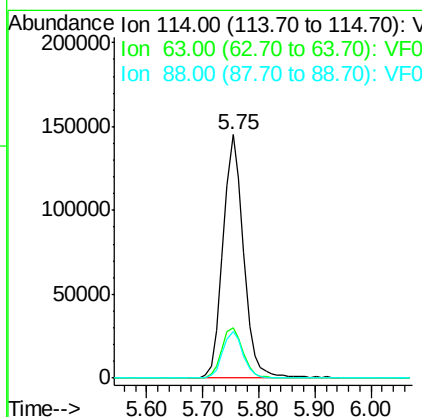
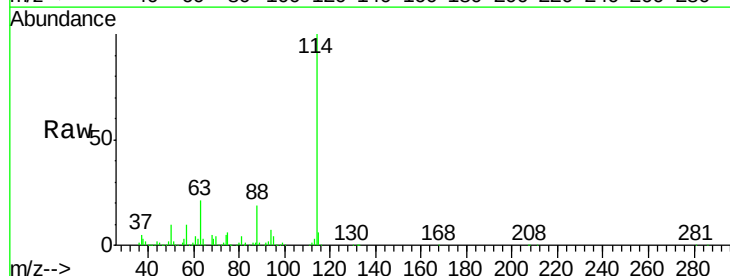
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0622SBSD01

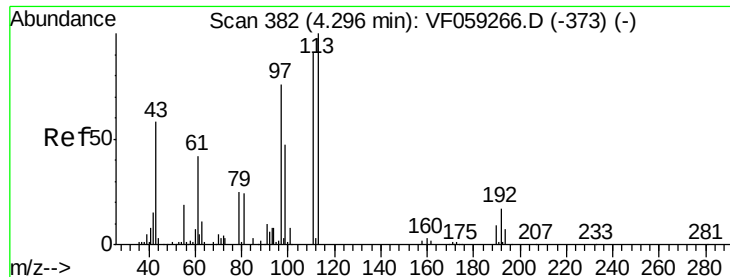
Tgt Ion: 65 Resp: 174236
 Ion Ratio Lower Upper
 65 100
 67 45.1 0.0 95.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VF059282.D
 Acq: 22 Jun 2018 19:09

Tgt Ion: 114 Resp: 373763
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 41.0
 88 19.2 0.0 39.6





#35

Dibromofluoromethane

Concen: 48.911 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.02 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VF0622SBS01

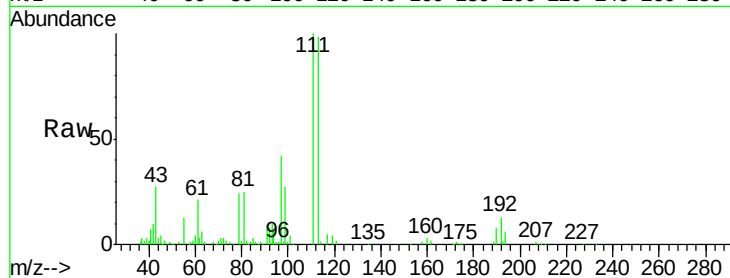
Tgt Ion:113 Resp: 153808

Ion Ratio Lower Upper

113 100

111 101.8 73.1 109.7

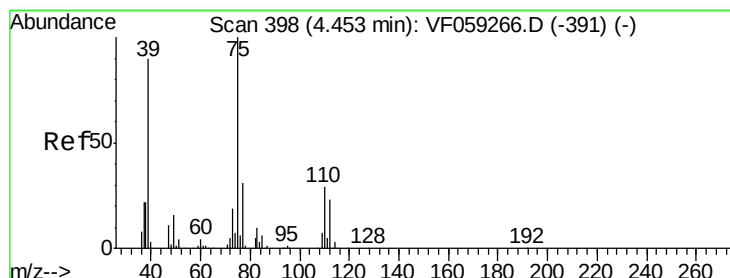
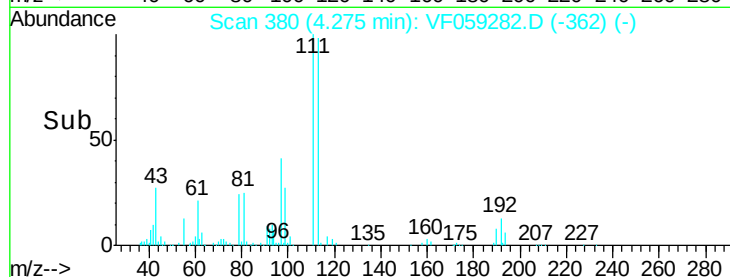
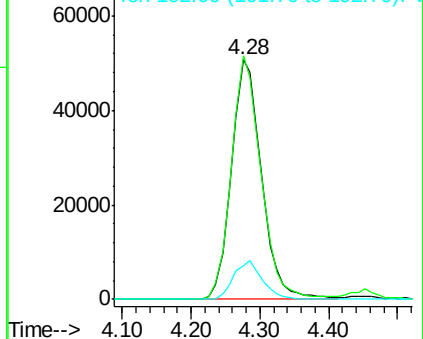
192 13.8 13.9 20.9#



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 20.842 ug/l

RT: 4.44 min Scan# 397

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

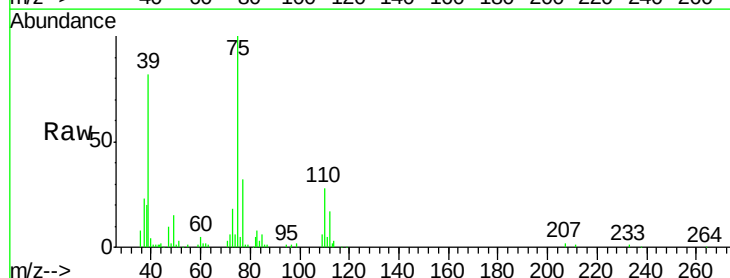
Tgt Ion: 75 Resp: 81865

Ion Ratio Lower Upper

75 100

110 28.2 14.5 43.5

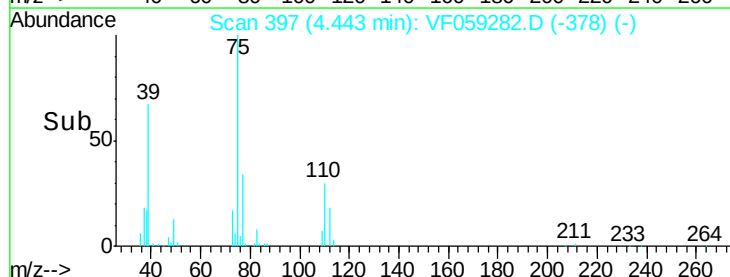
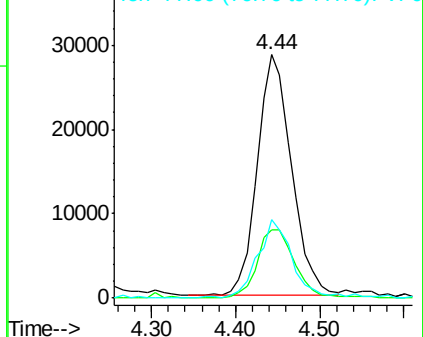
77 32.4 25.0 37.6

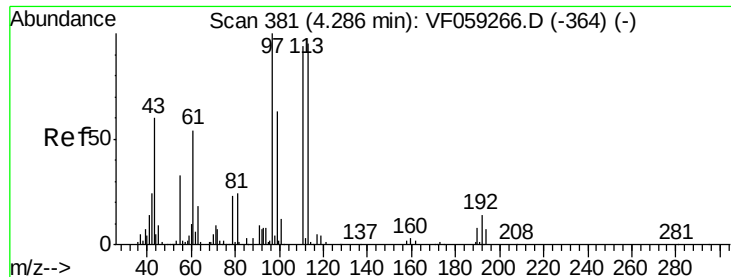


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 21.929 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VF0622SBS01

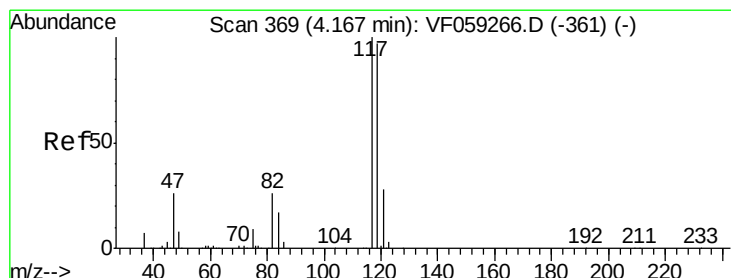
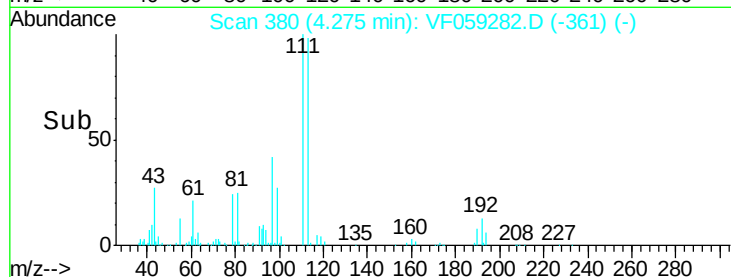
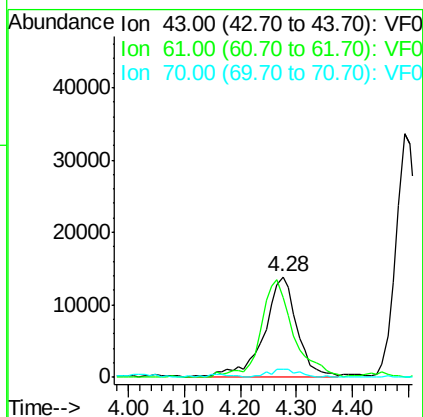
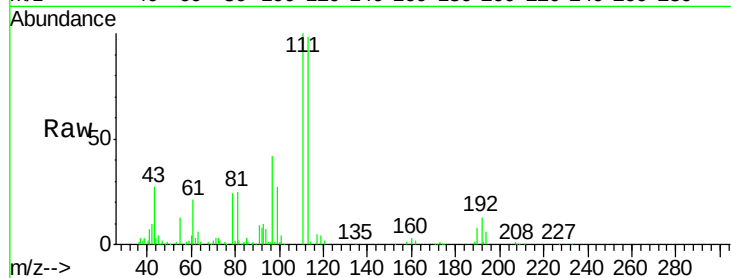
Tgt Ion: 43 Resp: 55037

Ion Ratio Lower Upper

43 100

61 79.1 71.6 107.4

70 7.7 6.9 10.3



#38

Carbon Tetrachloride

Concen: 22.333 ug/l

RT: 4.16 min Scan# 368

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

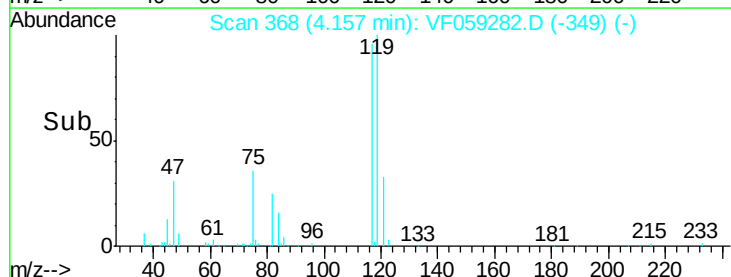
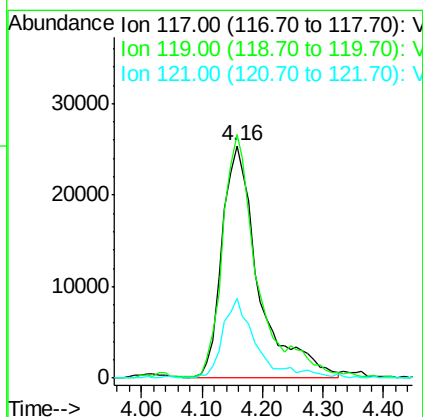
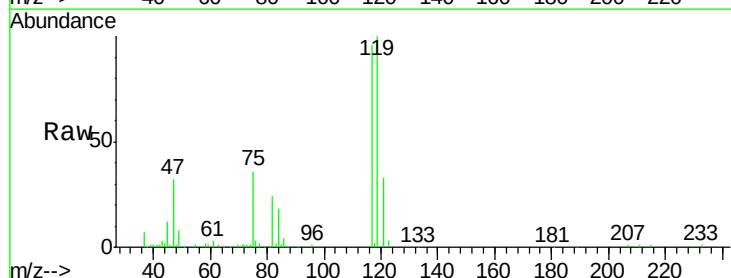
Tgt Ion: 117 Resp: 107753

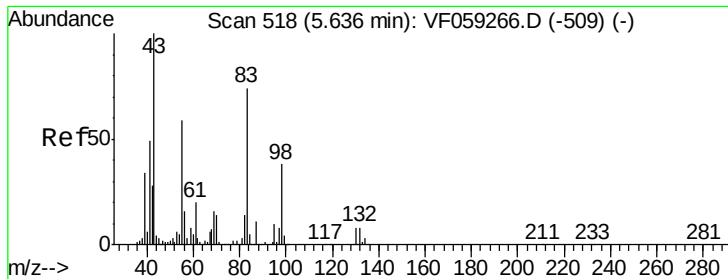
Ion Ratio Lower Upper

117 100

119 104.6 77.5 116.3

121 34.1 22.2 33.4#

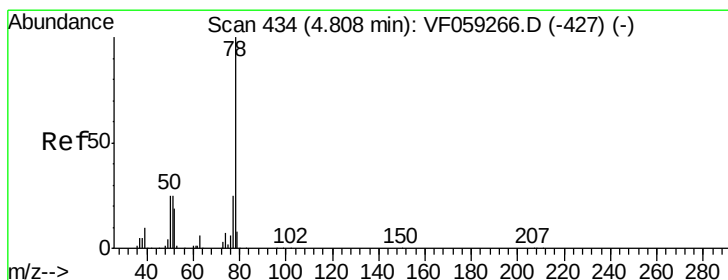
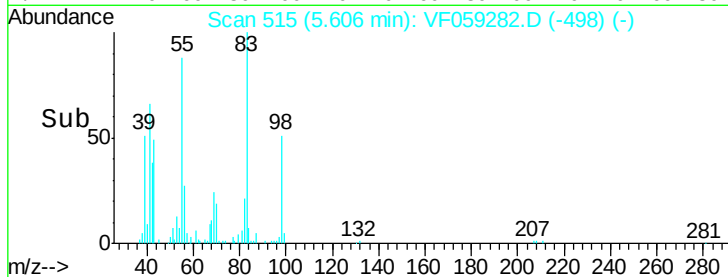
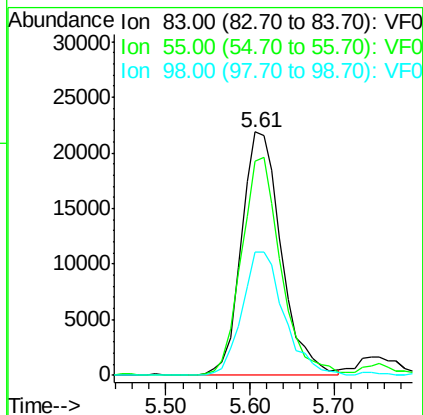
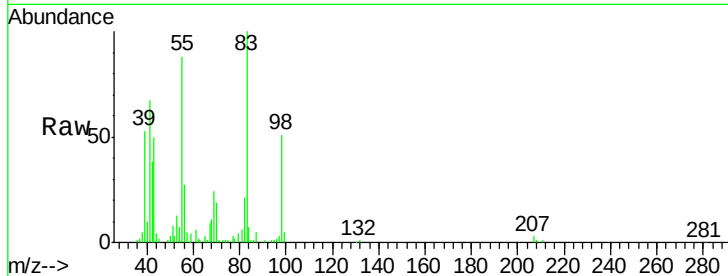




#39
Methylcyclohexane
Concen: 20.692 ug/l
RT: 5.61 min Scan# 515
Delta R.T. -0.03 min
Lab File: VF059282.D
Acq: 22 Jun 2018 19:09

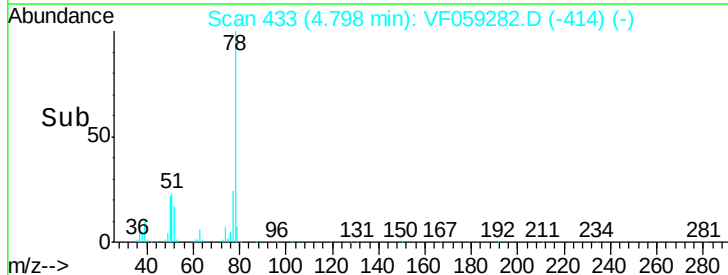
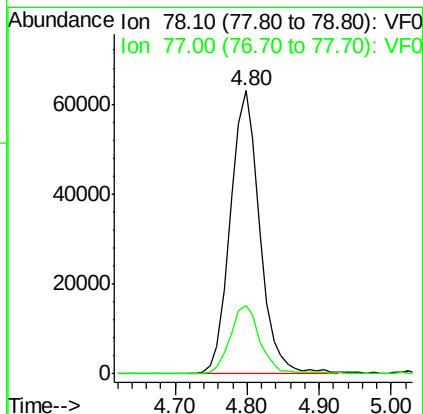
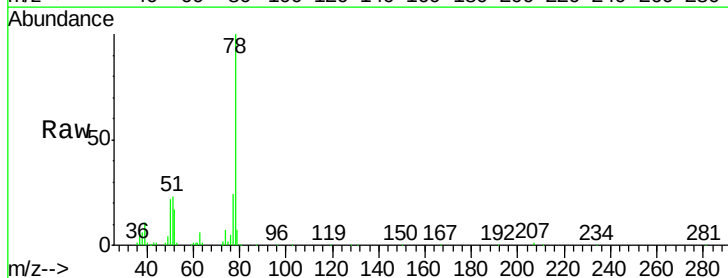
Instrument :
MSVOA_F
ClientSampleId :
VF0622SBSD01

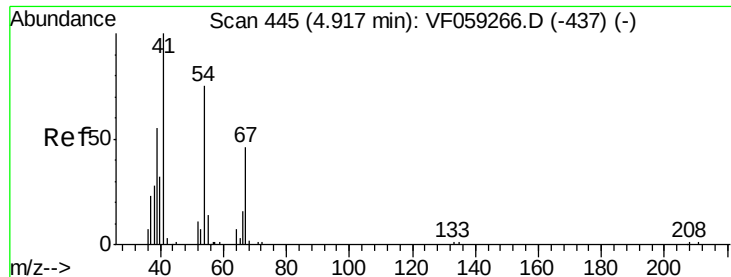
Tgt Ion: 83 Resp: 72733
Ion Ratio Lower Upper
83 100
55 87.9 63.7 95.5
98 50.5 41.6 62.4



#40
Benzene
Concen: 21.526 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF059282.D
Acq: 22 Jun 2018 19:09

Tgt Ion: 78 Resp: 179406
Ion Ratio Lower Upper
78 100
77 24.0 20.4 30.6





#41

Methacrylonitrile

Concen: 19.717 ug/l

RT: 4.91 min Scan# 444

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VF0622SBS01

Tgt Ion: 41 Resp: 23640

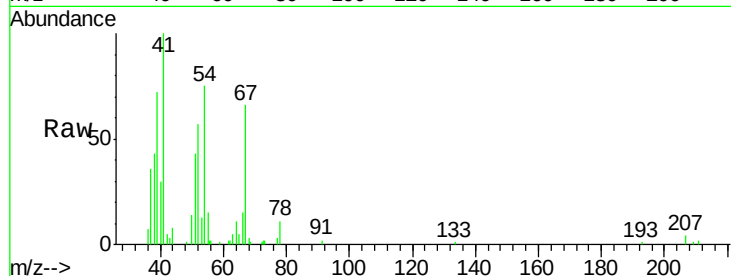
Ion Ratio Lower Upper

41 100

39 71.9 57.0 85.6

67 66.0 36.8 55.2#

52 56.7 37.7 56.5#

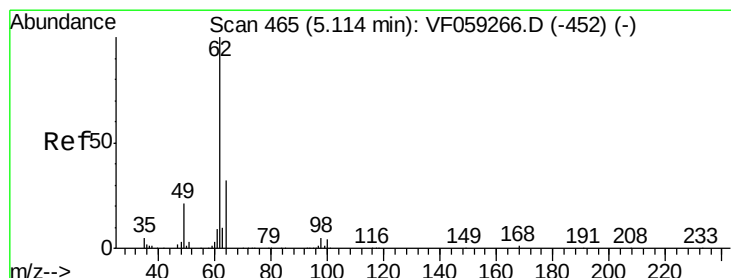
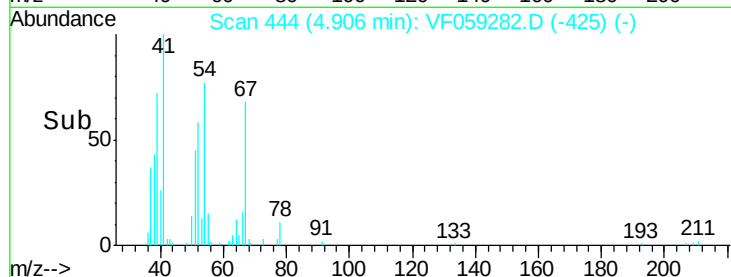
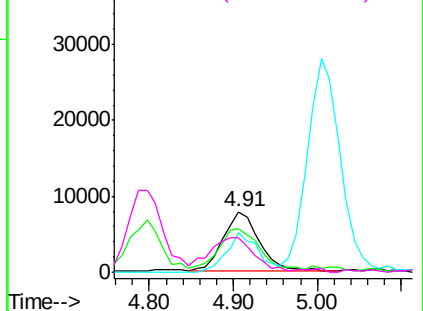


Abundance Ion 41.00 (40.70 to 41.70): VF0

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: 21.683 ug/l

RT: 5.10 min Scan# 464

Delta R.T. -0.01 min

Lab File: VF059282.D

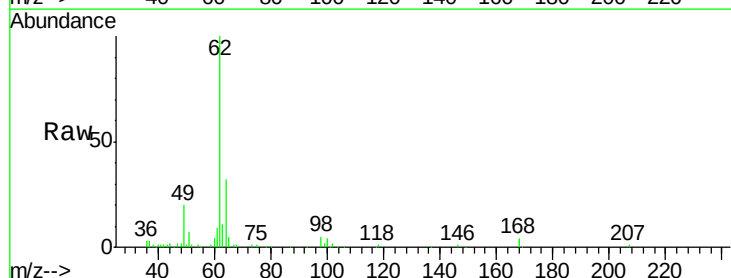
Acq: 22 Jun 2018 19:09

Tgt Ion: 62 Resp: 104101

Ion Ratio Lower Upper

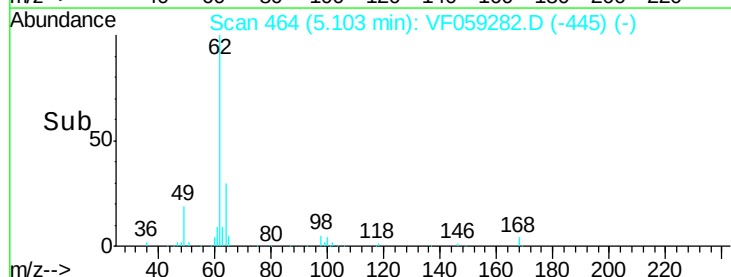
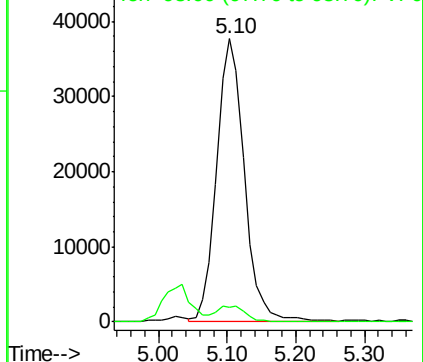
62 100

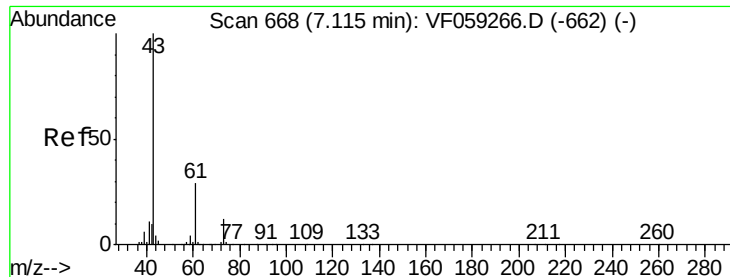
98 5.0 0.0 10.4



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 21.576 ug/l

RT: 7.10 min Scan# 667

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VF0622SBSD01

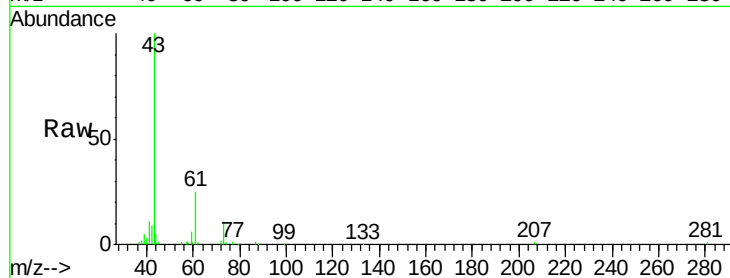
Tgt Ion: 43 Resp: 66356

Ion Ratio Lower Upper

43 100

61 25.1 22.8 34.2

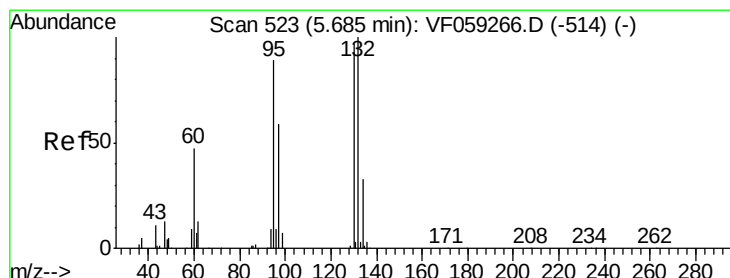
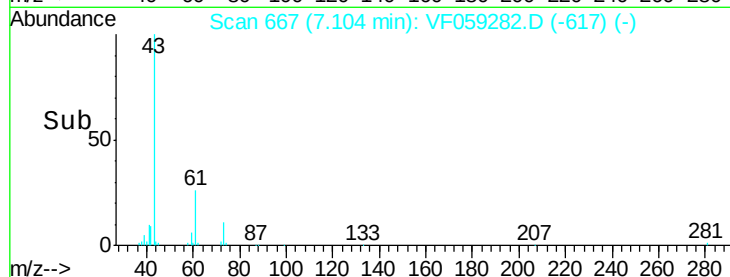
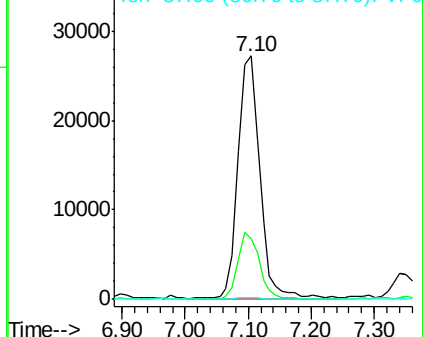
87 0.7 0.3 0.5#



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: 21.704 ug/l

RT: 5.67 min Scan# 521

Delta R.T. -0.02 min

Lab File: VF059282.D

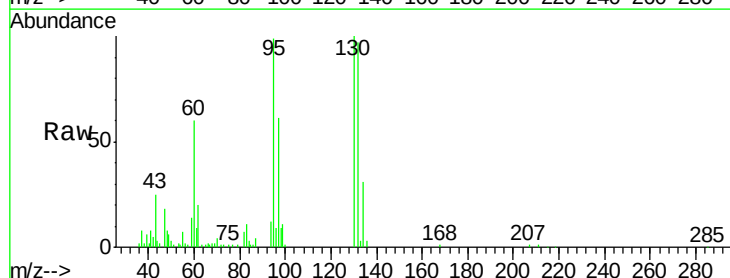
Acq: 22 Jun 2018 19:09

Tgt Ion: 130 Resp: 62687

Ion Ratio Lower Upper

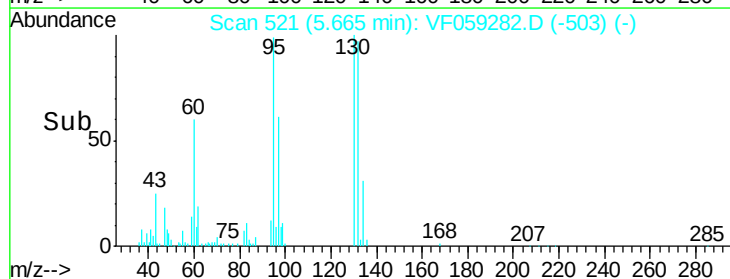
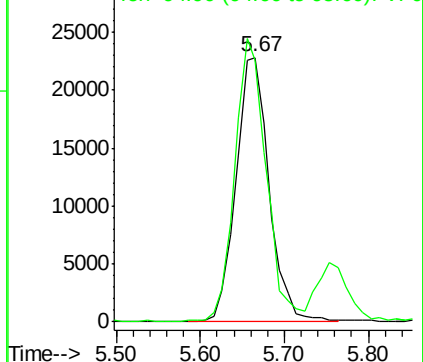
130 100

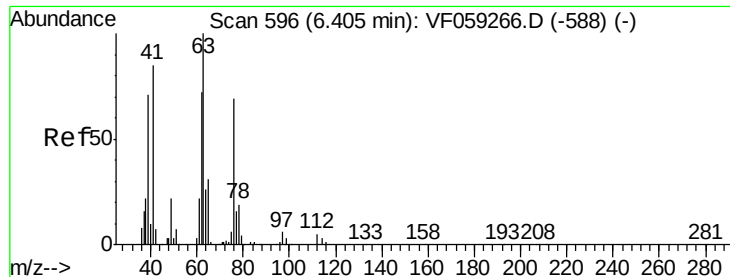
95 99.1 0.0 183.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 21.695 ug/l

RT: 6.39 min Scan# 595

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

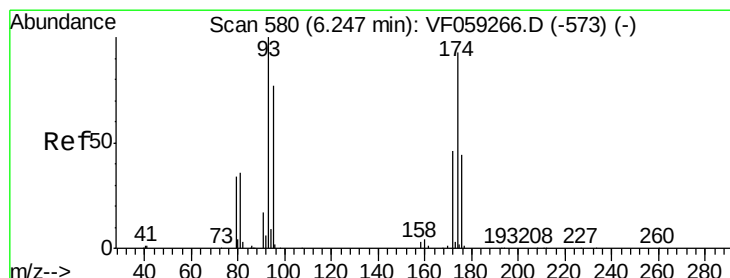
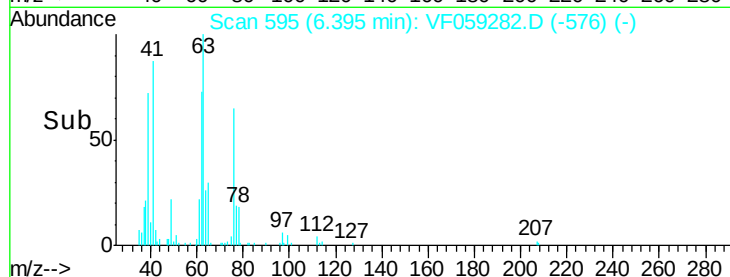
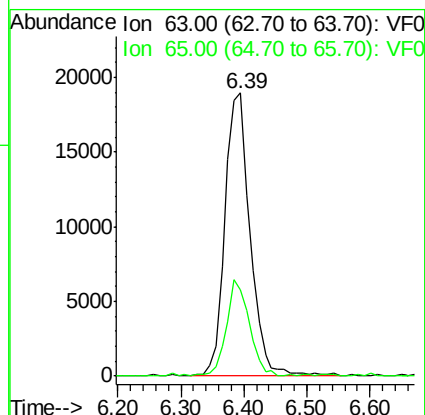
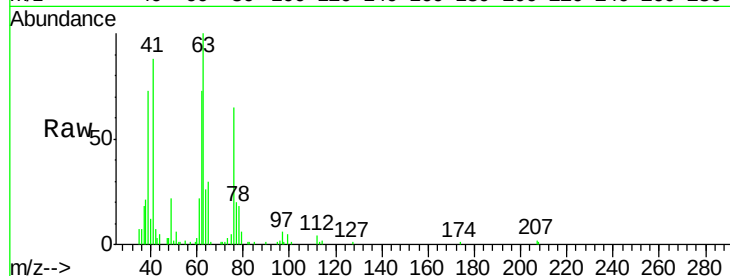
VF0622SBS01

Tgt Ion: 63 Resp: 52750

Ion Ratio Lower Upper

63 100

65 30.3 25.3 37.9



#46

Dibromomethane

Concen: 20.230 ug/l

RT: 6.24 min Scan# 579

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

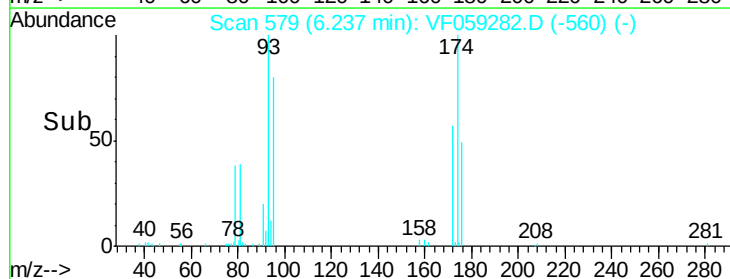
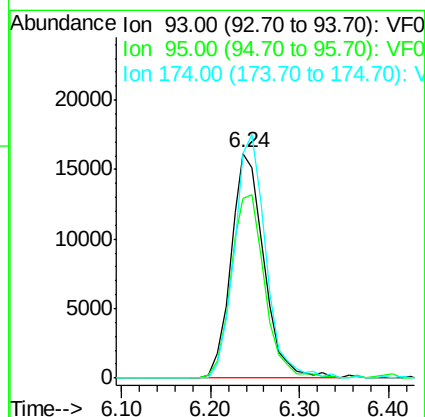
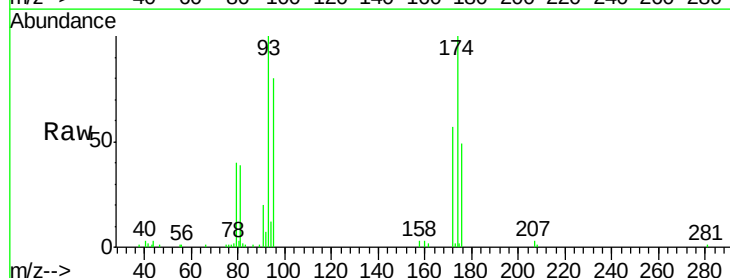
Tgt Ion: 93 Resp: 41512

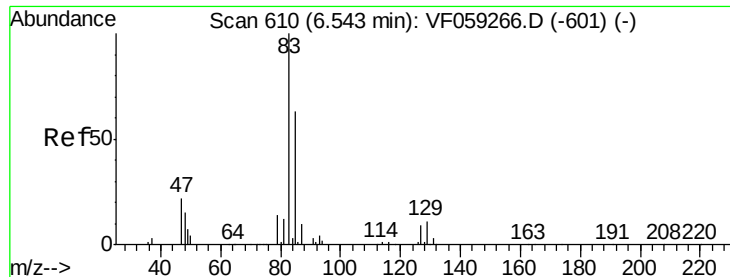
Ion Ratio Lower Upper

93 100

95 80.0 61.8 92.6

174 101.6 74.4 111.6





#47

Bromodichloromethane

Concen: 21.511 ug/l

RT: 6.53 min Scan# 609

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VF0622SBS01

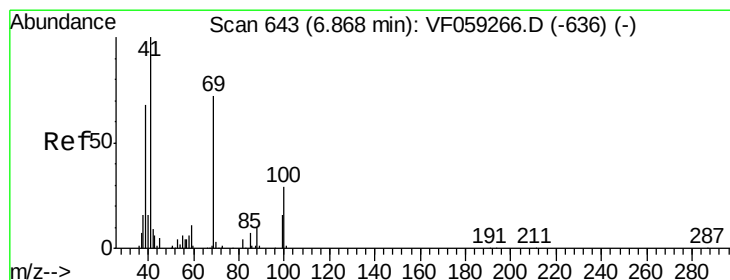
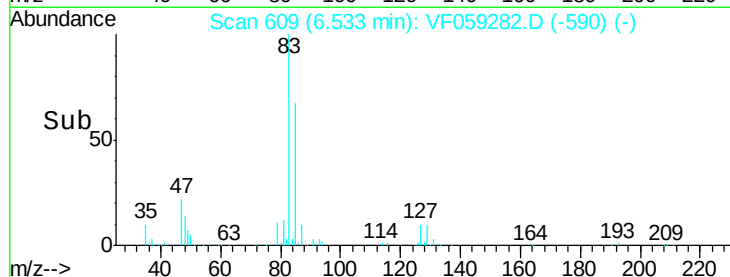
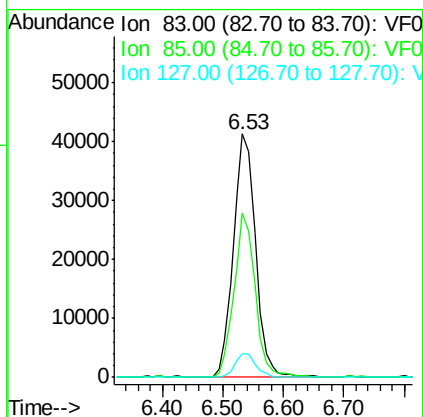
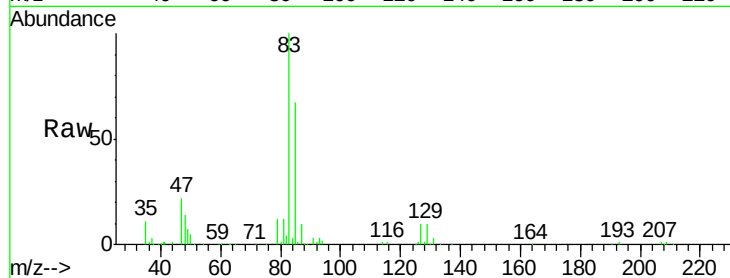
Tgt Ion: 83 Resp: 105692

Ion Ratio Lower Upper

83 100

85 67.5 50.3 75.5

127 9.8 7.0 10.4



#48

Methyl methacrylate

Concen: 20.836 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

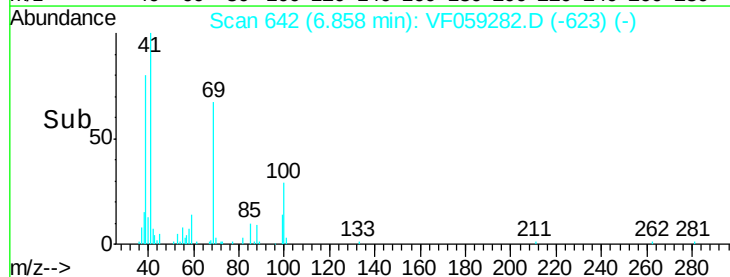
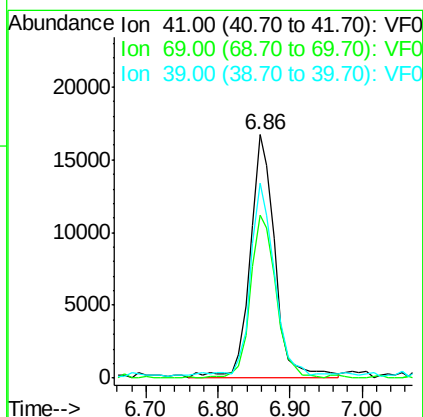
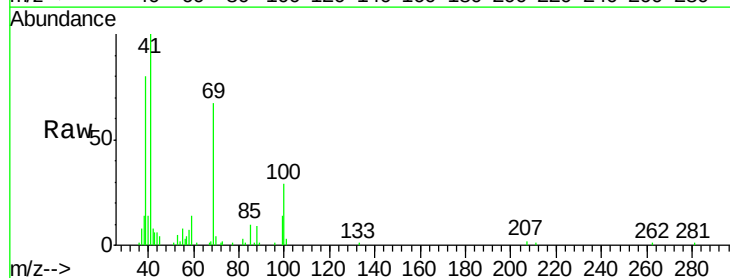
Tgt Ion: 41 Resp: 40567

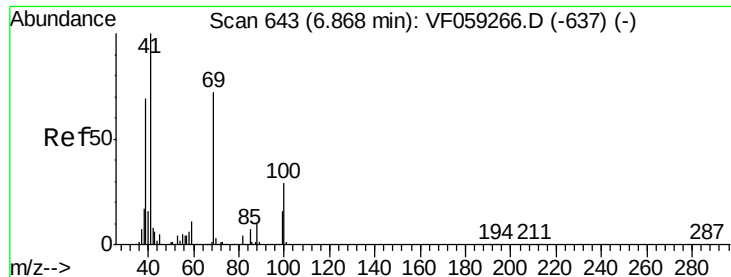
Ion Ratio Lower Upper

41 100

69 66.8 57.4 86.2

39 80.1 54.8 82.2





#49

1,4-Dioxane

Concen: 377.807 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VF0622SBSD01

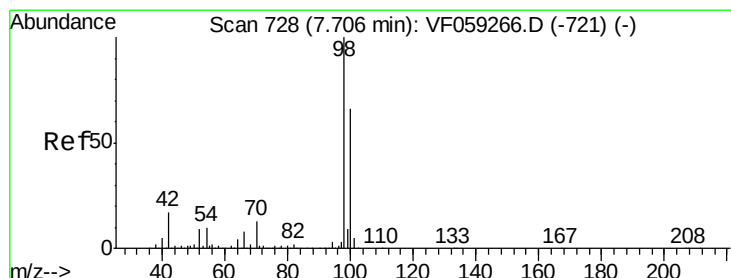
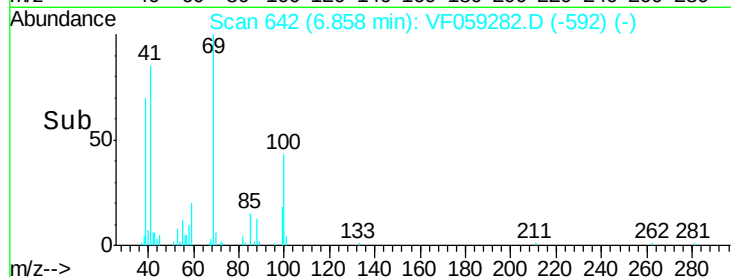
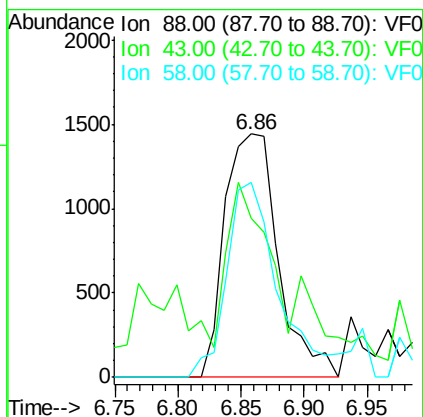
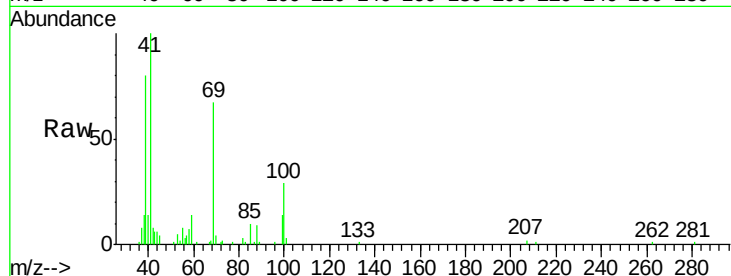
Tgt Ion: 88 Resp: 4266

Ion Ratio Lower Upper

88 100

43 65.6 55.5 83.3

58 80.0 50.1 75.1#



#50

Toluene-d8

Concen: 48.106 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.01 min

Lab File: VF059282.D

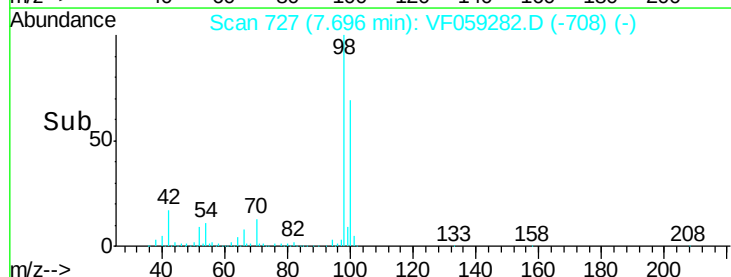
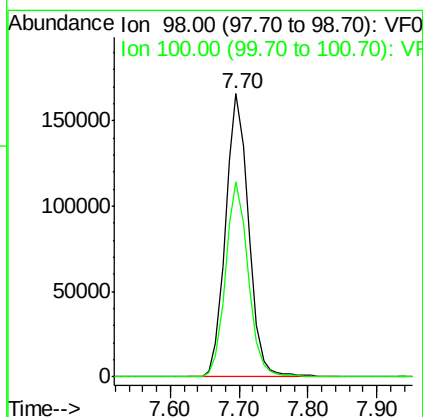
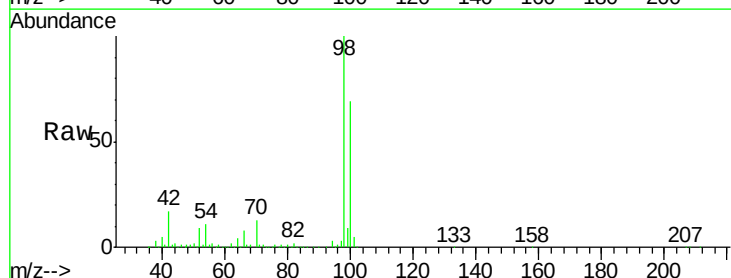
Acq: 22 Jun 2018 19:09

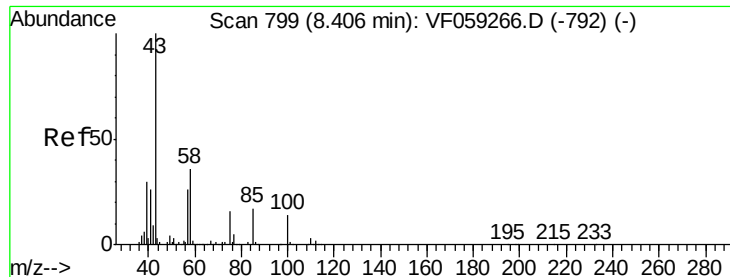
Tgt Ion: 98 Resp: 384791

Ion Ratio Lower Upper

98 100

100 68.7 52.8 79.2





#51

4-Methyl-2-Pentanone

Concen: 107.015 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

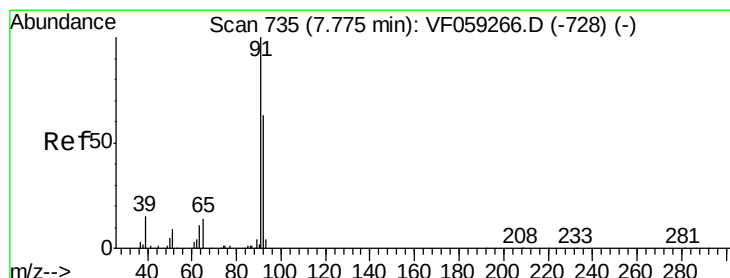
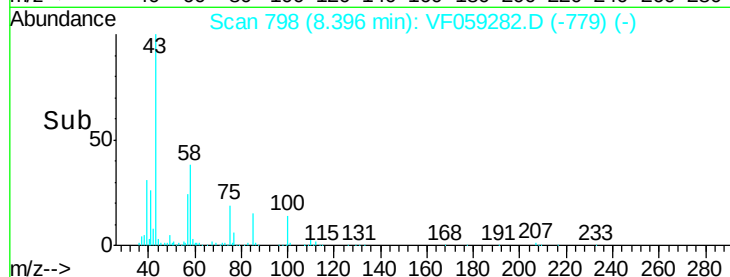
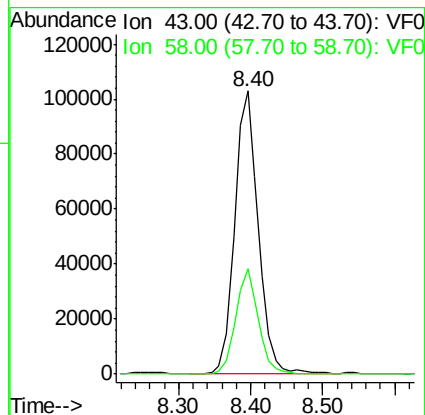
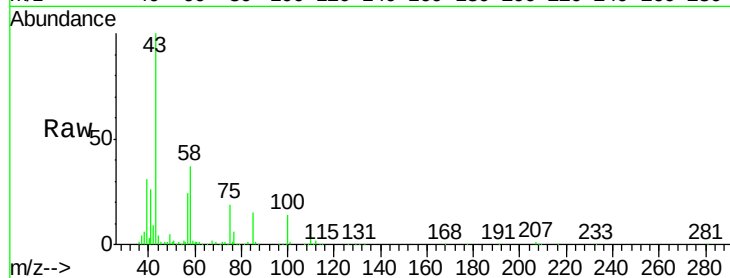
VF0622SBSD01

Tgt Ion: 43 Resp: 234712

Ion Ratio Lower Upper

43 100

58 37.4 29.0 43.6



#52

Toluene

Concen: 20.459 ug/l

RT: 7.76 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF059282.D

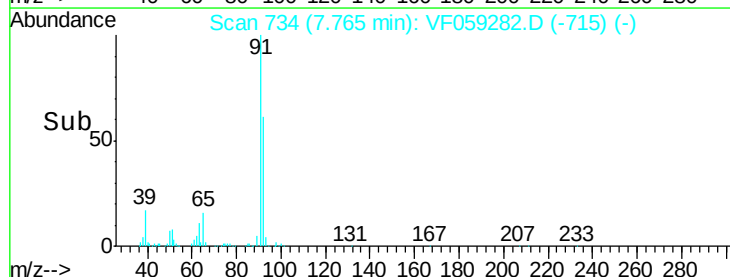
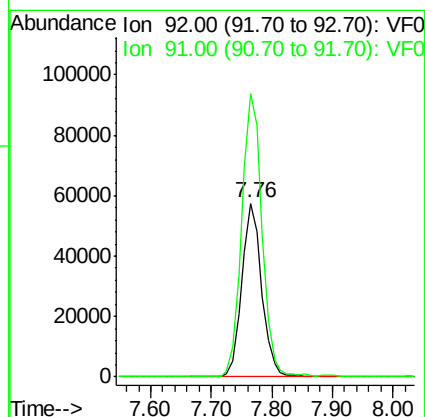
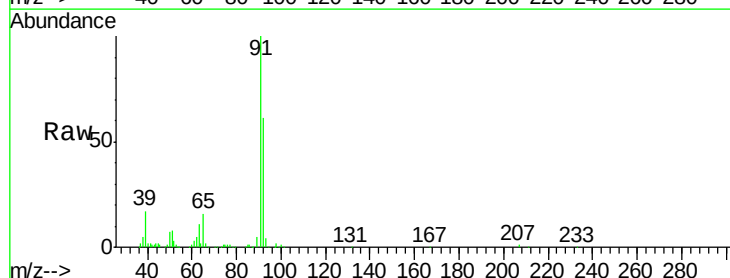
Acq: 22 Jun 2018 19:09

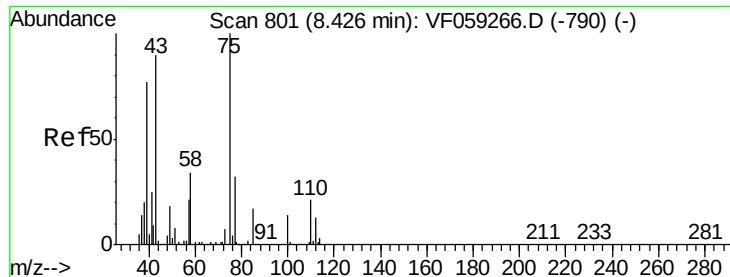
Tgt Ion: 92 Resp: 131597

Ion Ratio Lower Upper

92 100

91 163.2 127.8 191.6





#53

t-1,3-Dichloropropene

Concen: 20.429 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

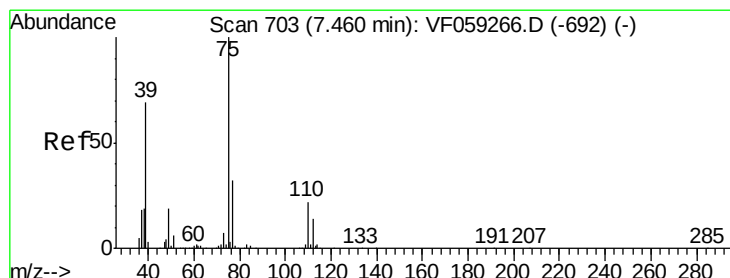
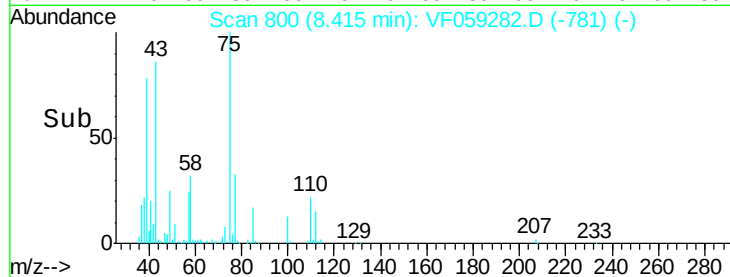
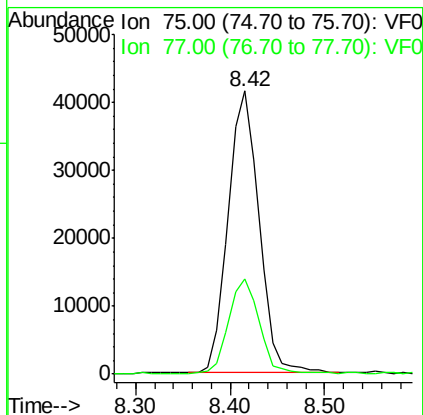
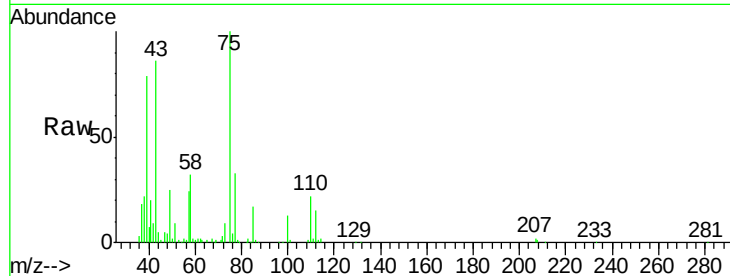
VF0622SBSD01

Tgt Ion: 75 Resp: 94235

Ion Ratio Lower Upper

75 100

77 33.5 26.1 39.1



#54

cis-1,3-Dichloropropene

Concen: 21.394 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

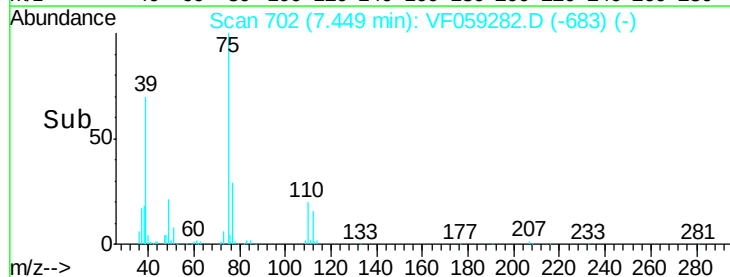
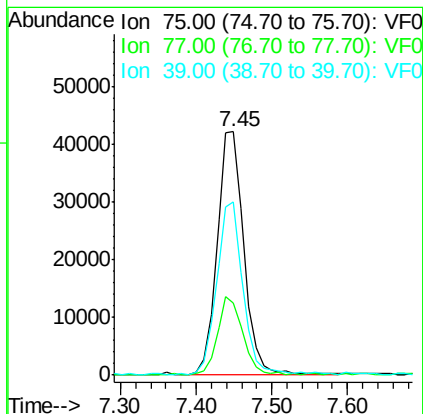
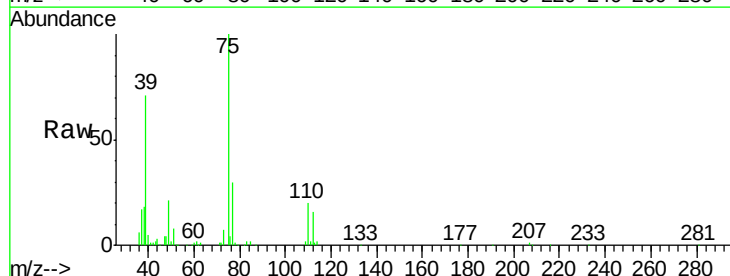
Tgt Ion: 75 Resp: 104191

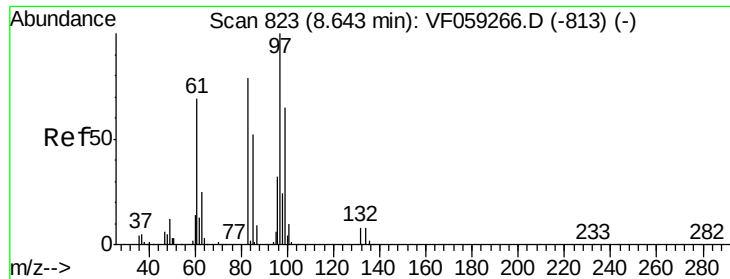
Ion Ratio Lower Upper

75 100

77 29.7 26.0 39.0

39 71.0 55.5 83.3





#55

1,1,2-Trichloroethane

Concen: 20.381 ug/l

RT: 8.63 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VF0622SBS01

Tgt Ion: 97 Resp: 50606

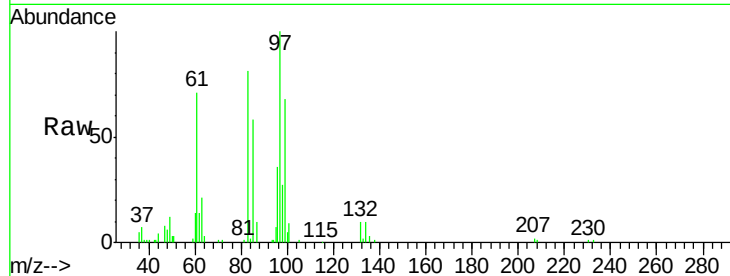
Ion Ratio Lower Upper

97 100

83 81.4 63.2 94.8

85 58.2 41.8 62.6

99 68.2 51.7 77.5

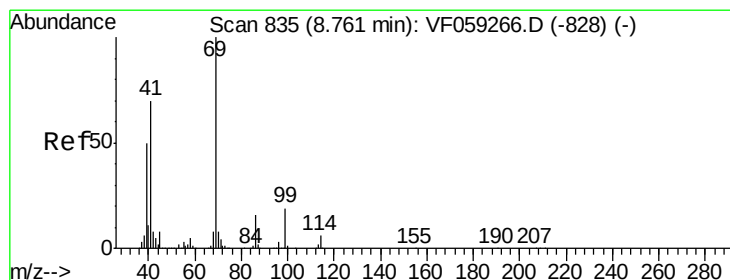
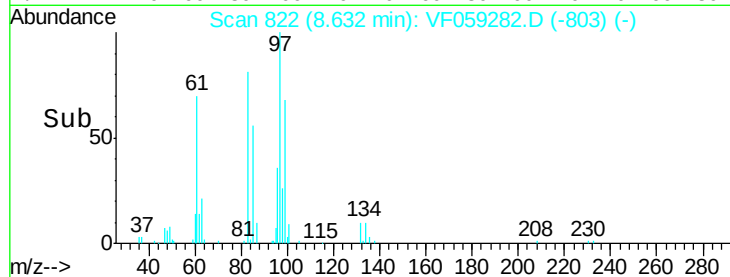
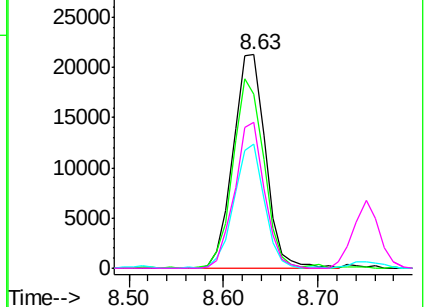


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 21.633 ug/l

RT: 8.75 min Scan# 834

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

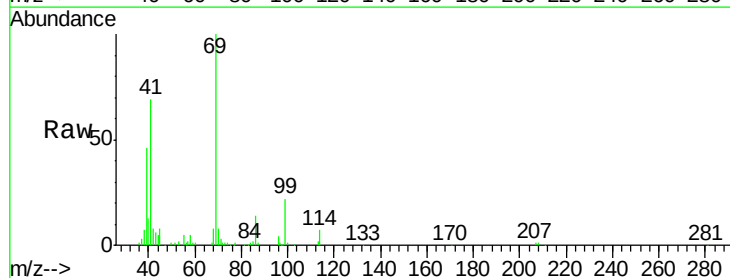
Tgt Ion: 69 Resp: 61415

Ion Ratio Lower Upper

69 100

41 69.1 56.6 85.0

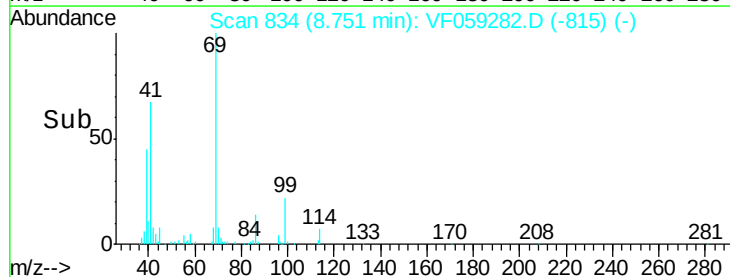
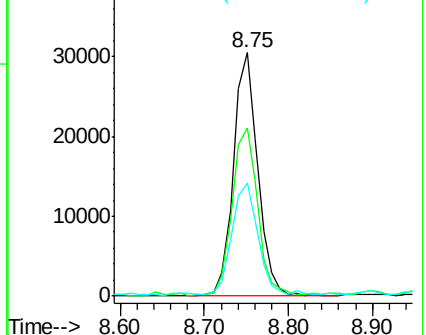
39 46.3 40.5 60.7

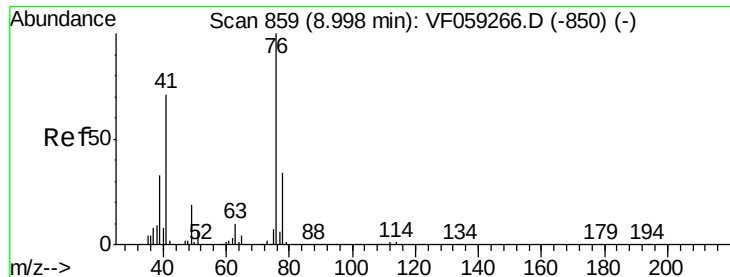


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 21.577 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

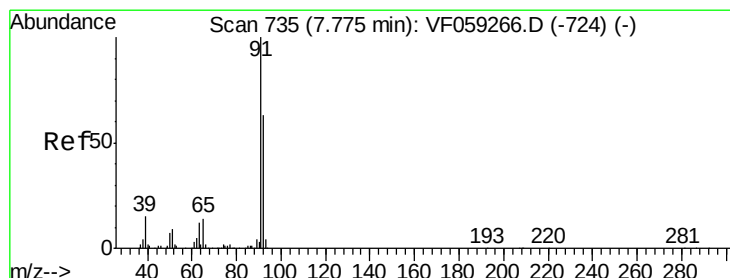
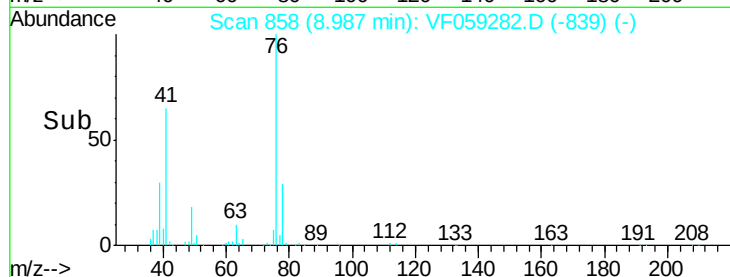
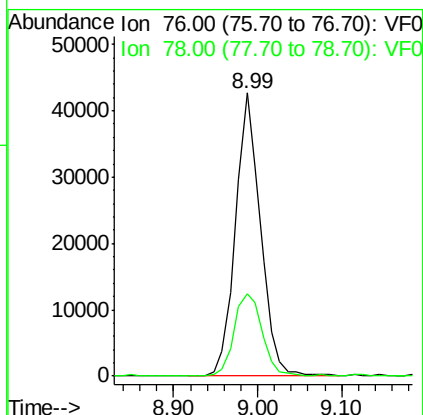
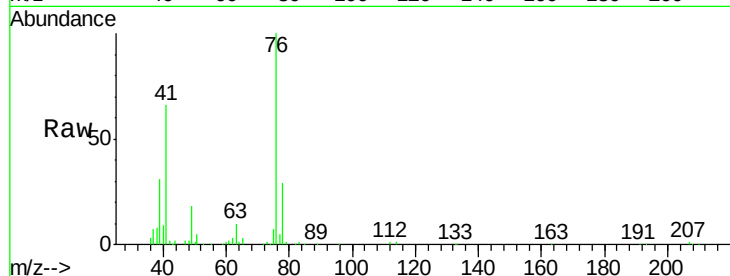
VF0622SBSD01

Tgt Ion: 76 Resp: 88611

Ion Ratio Lower Upper

76 100

78 29.3 27.5 41.3



#58

2-Chloroethyl Vinyl ether

Concen: 100.728 ug/l

RT: 7.76 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF059282.D

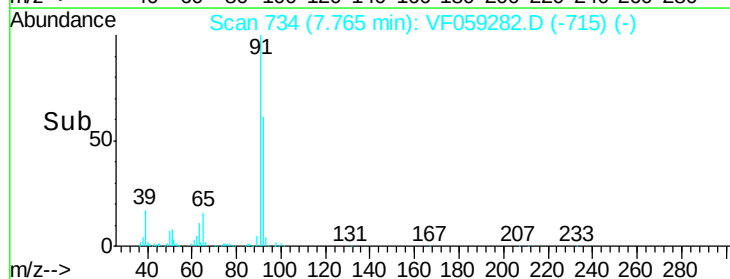
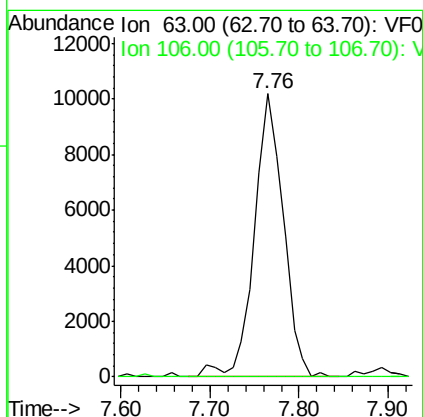
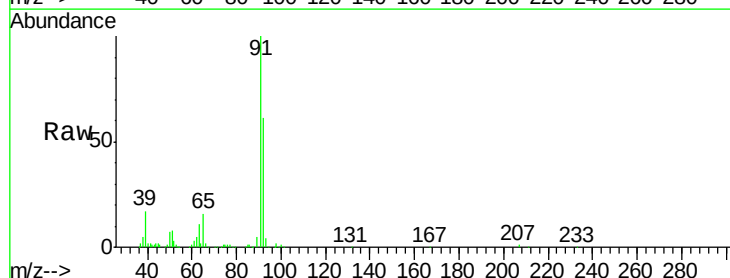
Acq: 22 Jun 2018 19:09

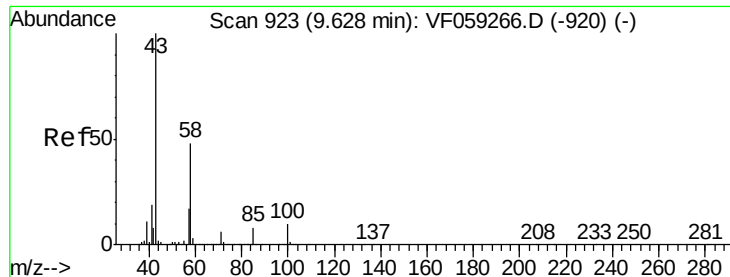
Tgt Ion: 63 Resp: 22869

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

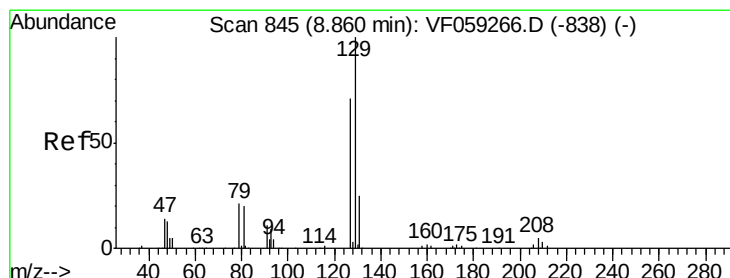
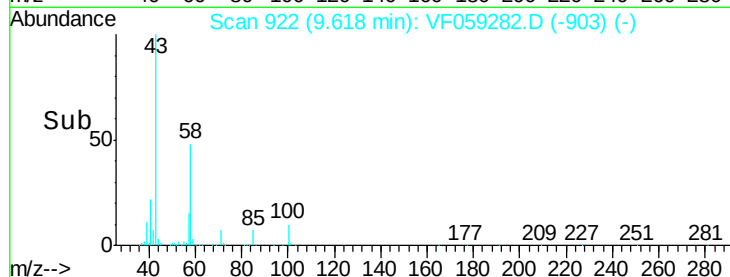
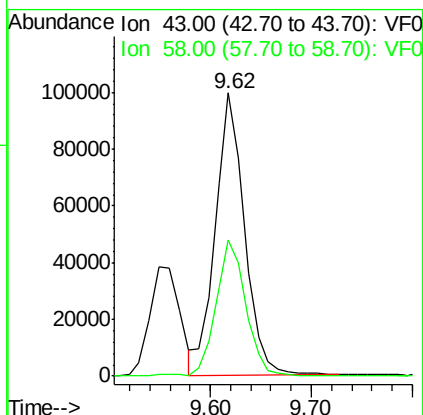
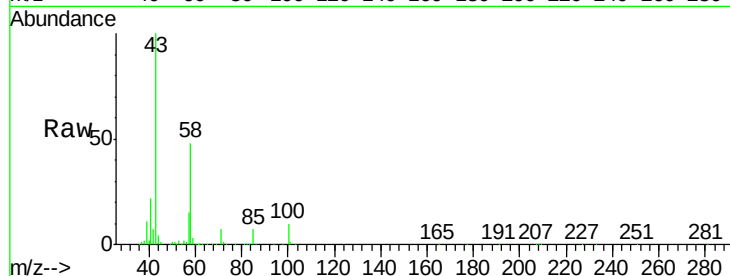




#59
2-Hexanone
Concen: 115.580 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF059282.D
Acq: 22 Jun 2018 19:09

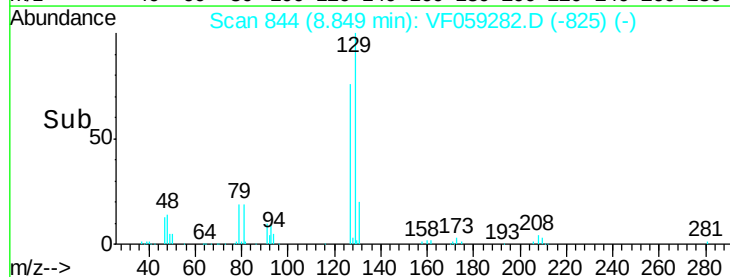
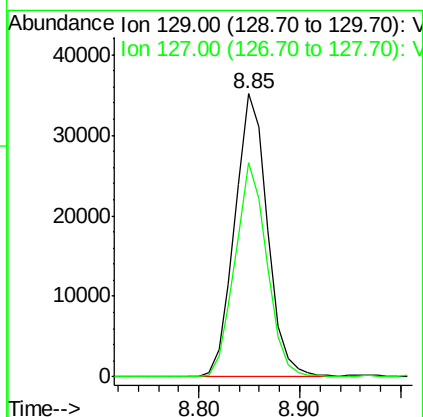
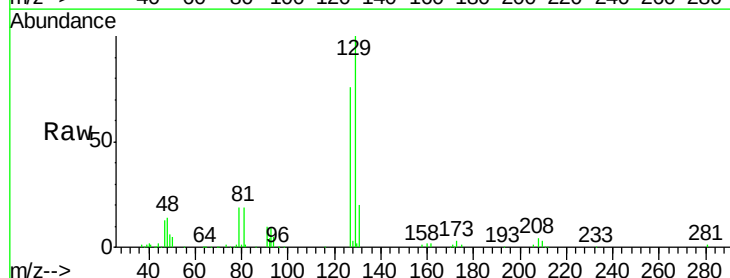
Instrument :
MSVOA_F
ClientSampleId :
VF0622SBSD01

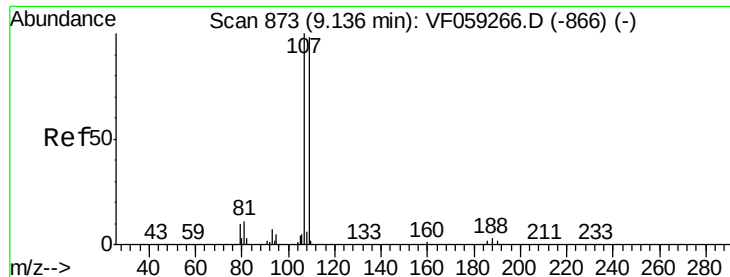
Tgt Ion: 43 Resp: 200976
Ion Ratio Lower Upper
43 100
58 48.3 23.3 69.9



#60
Dibromochloromethane
Concen: 21.786 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.01 min
Lab File: VF059282.D
Acq: 22 Jun 2018 19:09

Tgt Ion: 129 Resp: 79597
Ion Ratio Lower Upper
129 100
127 75.8 35.4 106.2





#61

1,2-Dibromoethane

Concen: 21.416 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

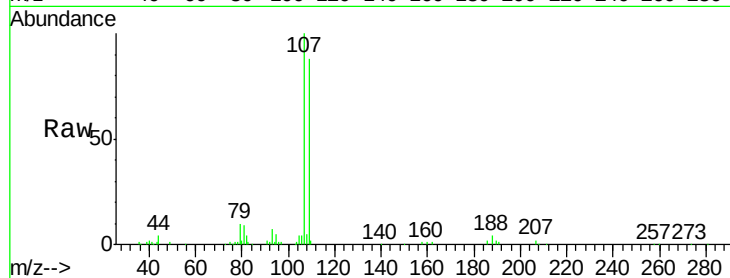
VF0622SBSD01

Tgt Ion: 107 Resp: 61256

Ion Ratio Lower Upper

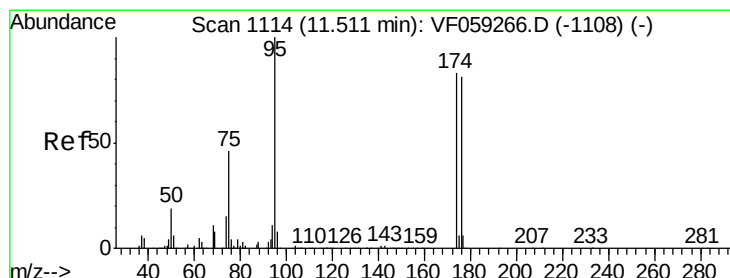
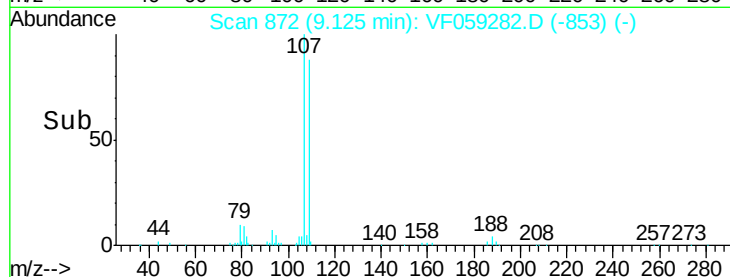
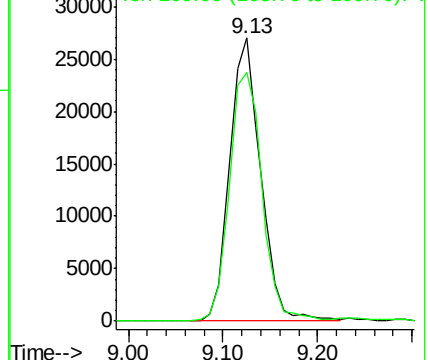
107 100

109 87.9 78.0 117.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 47.133 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

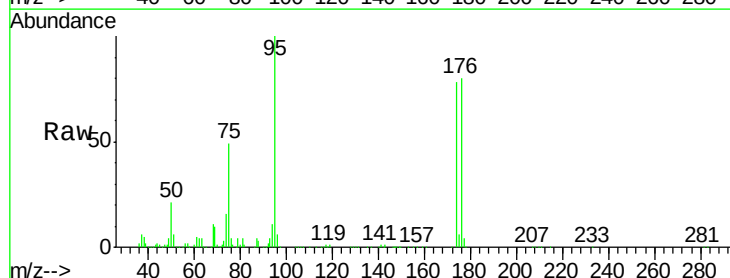
Tgt Ion: 95 Resp: 209061

Ion Ratio Lower Upper

95 100

174 78.2 0.0 166.2

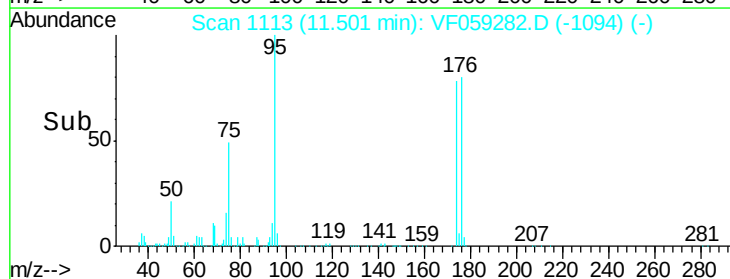
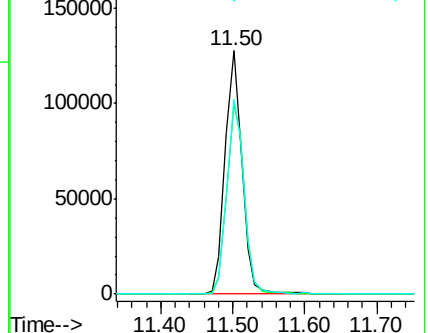
176 80.2 0.0 162.8

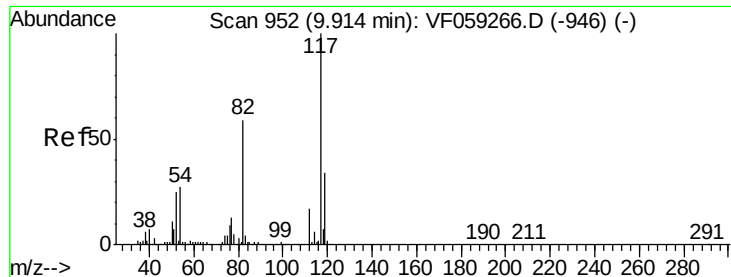


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.90 min Scan# 951

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VF0622SBS01

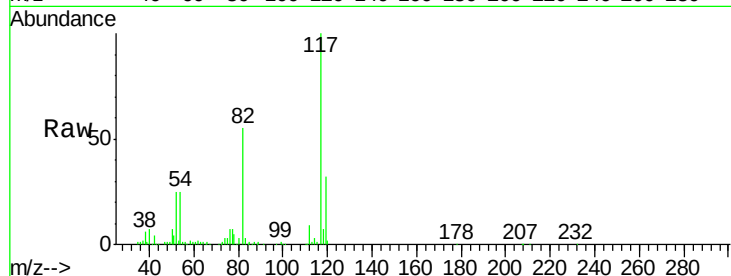
Tgt Ion:117 Resp: 367292

Ion Ratio Lower Upper

117 100

82 54.8 47.1 70.7

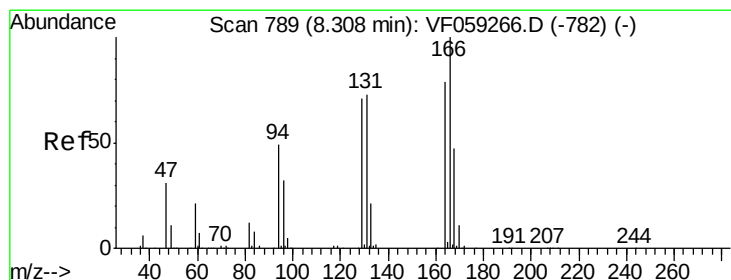
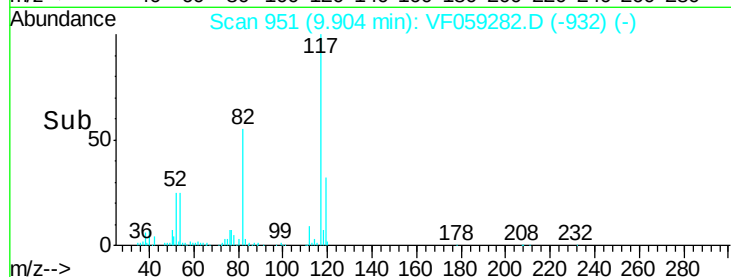
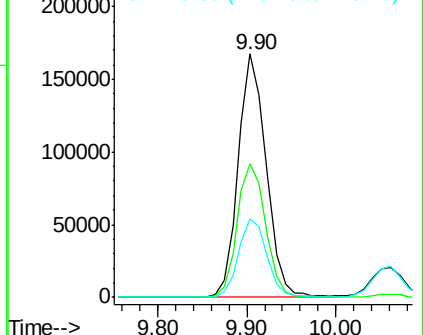
119 32.4 26.9 40.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 22.195 ug/l

RT: 8.29 min Scan# 787

Delta R.T. -0.02 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Tgt Ion:164 Resp: 62609

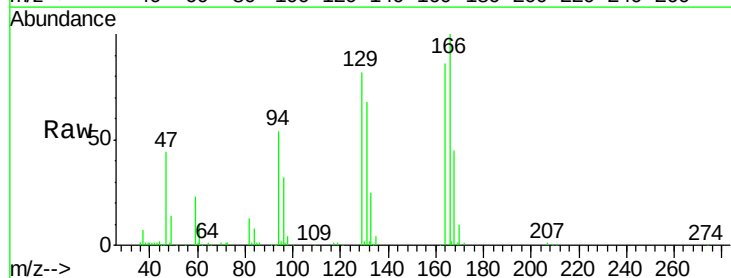
Ion Ratio Lower Upper

164 100

166 116.1 101.4 152.2

129 94.8 72.2 108.4

131 78.8 73.8 110.6

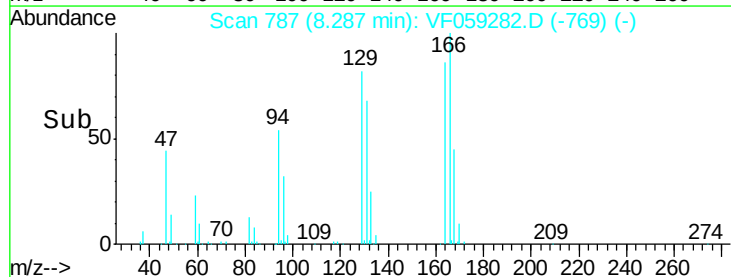
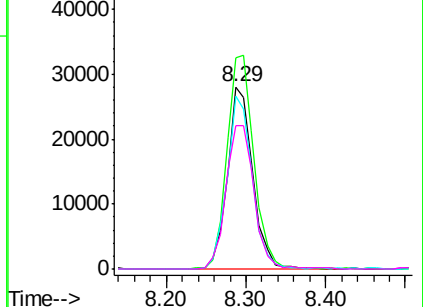


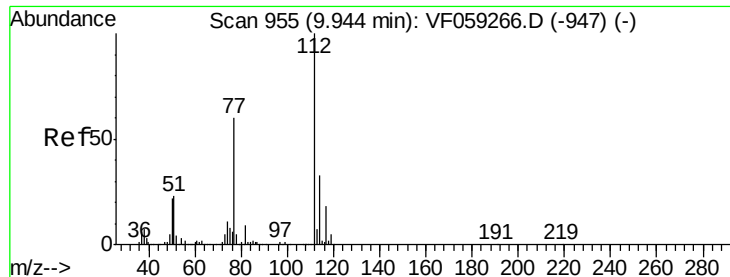
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 21.301 ug/l

RT: 9.93 min Scan# 954

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

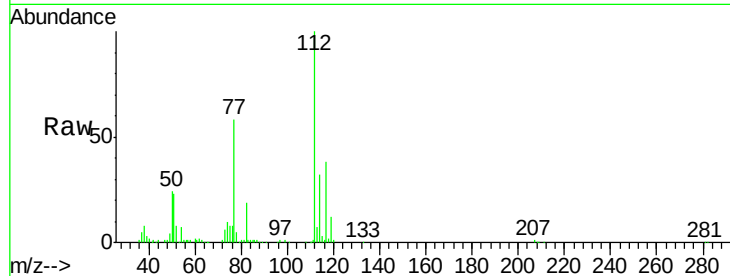
VF0622SBS01

Tgt Ion:112 Resp: 166485

Ion Ratio Lower Upper

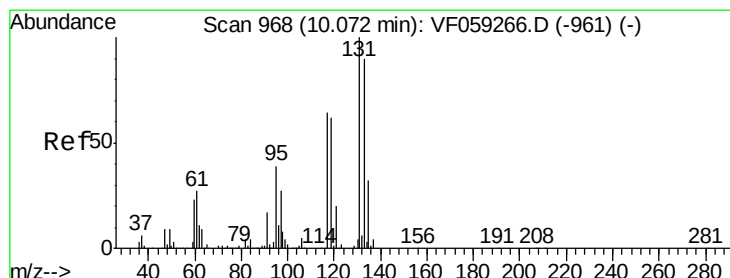
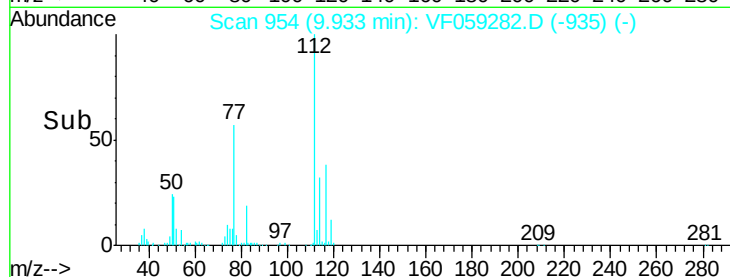
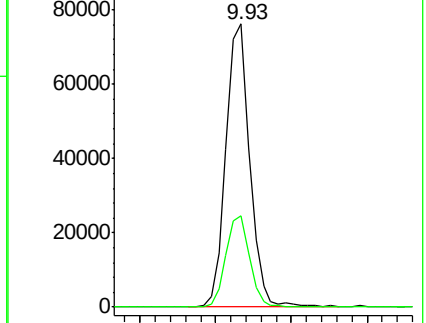
112 100

114 32.1 26.4 39.6



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.373 ug/l

RT: 10.06 min Scan# 967

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

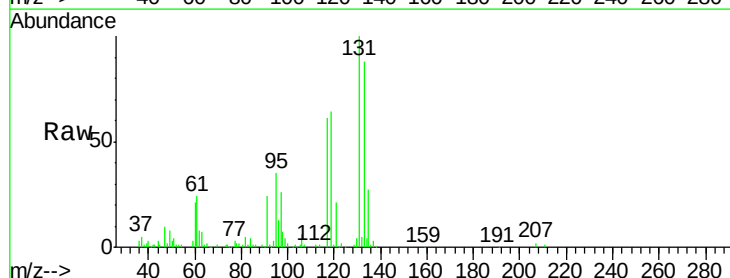
Tgt Ion:131 Resp: 72845

Ion Ratio Lower Upper

131 100

133 87.6 45.1 135.2

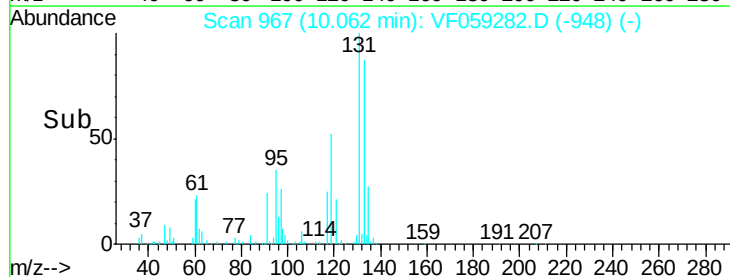
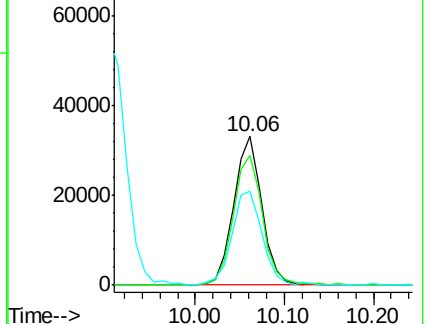
119 63.5 31.2 93.6

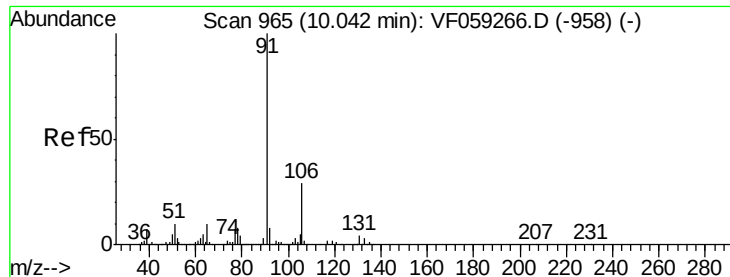


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 21.097 ug/l

RT: 10.02 min Scan# 963

Delta R.T. -0.02 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

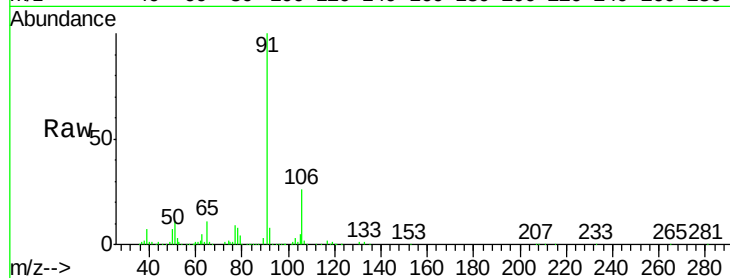
VF0622SBSD01

Tgt Ion: 91 Resp: 279904

Ion Ratio Lower Upper

91 100

106 26.3 23.4 35.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

10.02

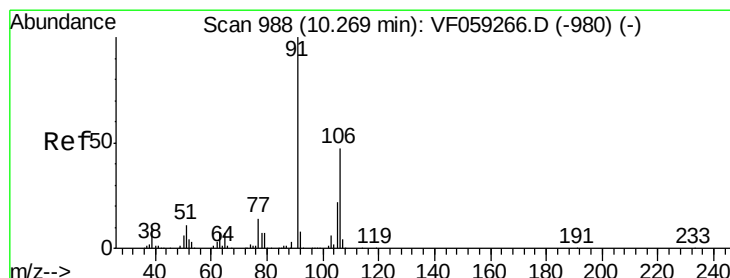
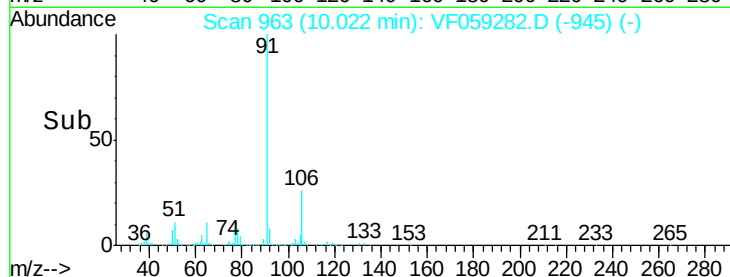
150000

100000

50000

0

Time--> 9.90 10.00 10.10



#68

m/p-Xylenes

Concen: 44.126 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF059282.D

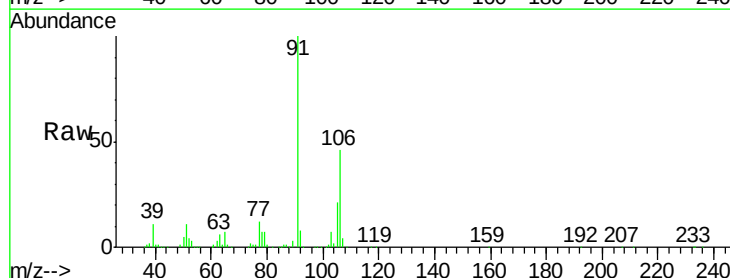
Acq: 22 Jun 2018 19:09

Tgt Ion: 106 Resp: 210444

Ion Ratio Lower Upper

106 100

91 215.3 168.8 253.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

250000

200000

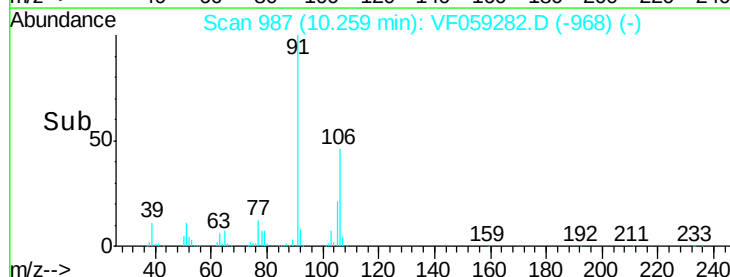
150000

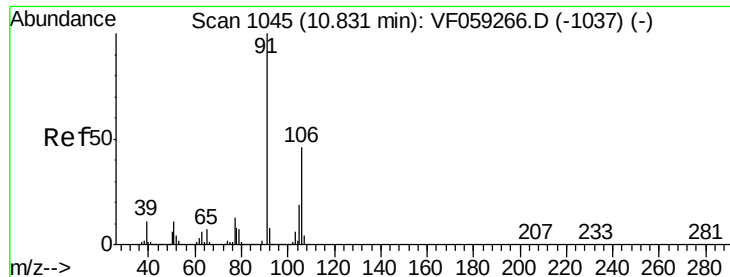
100000

50000

0

Time--> 10.10 10.20 10.30 10.40

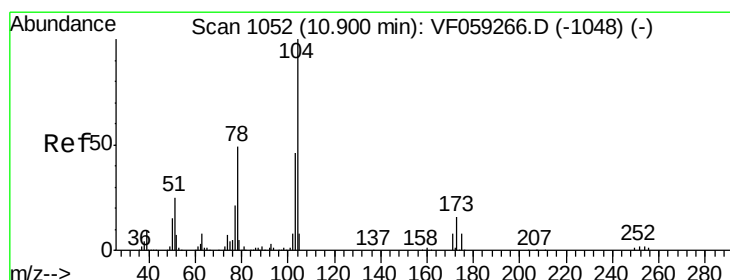
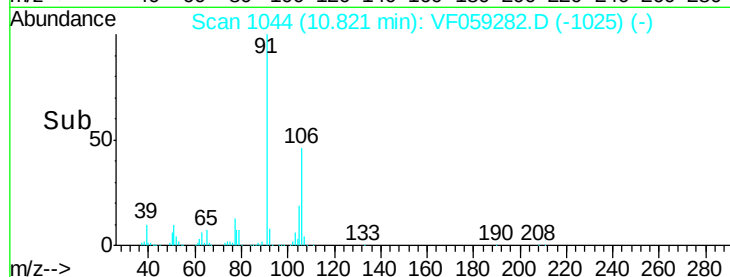
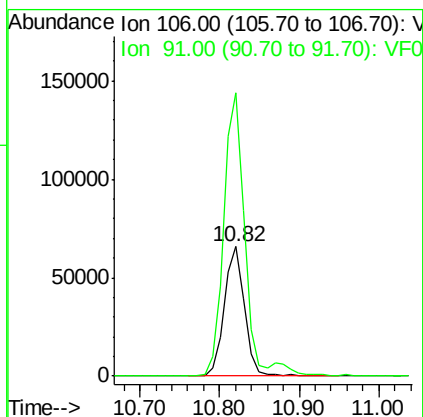
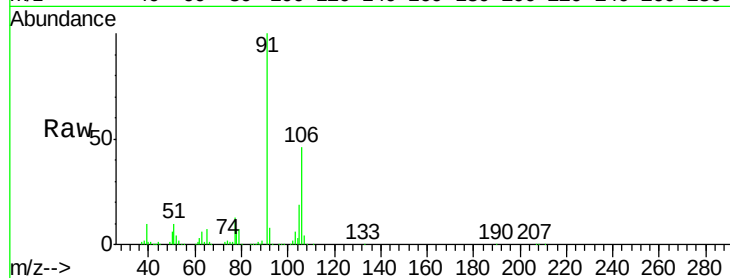




#69
o-Xylene
Concen: 22.328 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059282.D
Acq: 22 Jun 2018 19:09

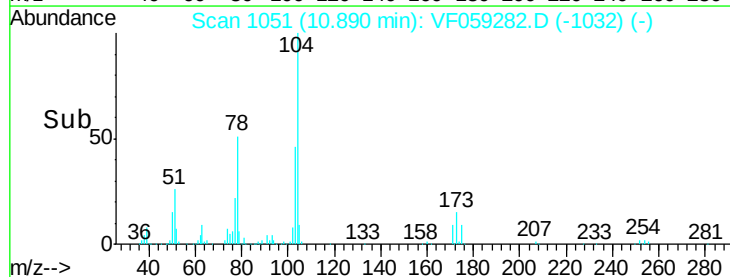
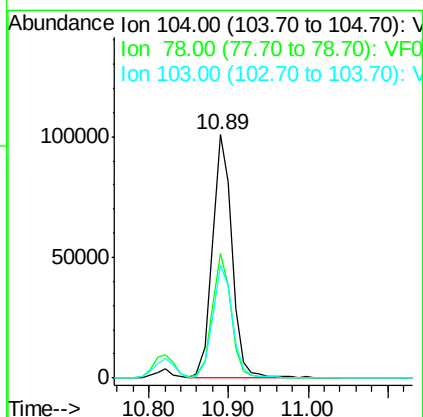
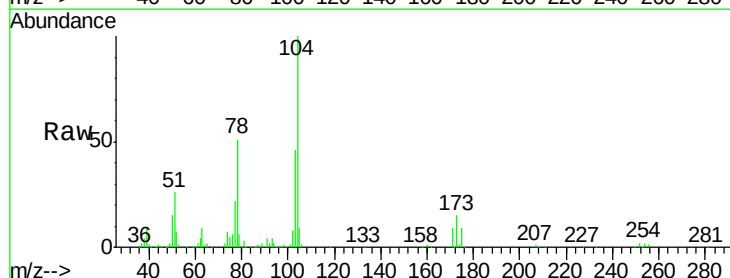
Instrument :
MSVOA_F
ClientSampleId :
VF0622SBSD01

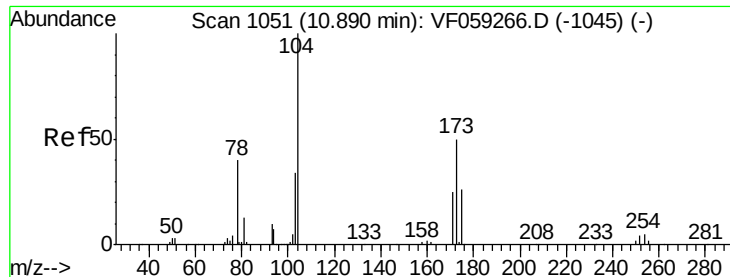
Tgt Ion:106 Resp: 117613
Ion Ratio Lower Upper
106 100
91 218.7 109.1 327.4



#70
Styrene
Concen: 22.066 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VF059282.D
Acq: 22 Jun 2018 19:09

Tgt Ion:104 Resp: 175237
Ion Ratio Lower Upper
104 100
78 51.4 39.3 58.9
103 46.4 36.6 55.0





#71

Bromoform

Concen: 19.933 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VF0622SBSD01

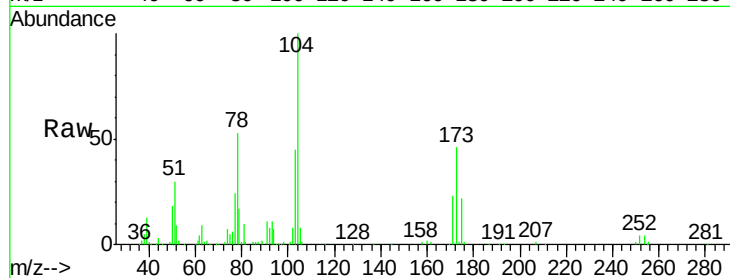
Tgt Ion:173 Resp: 46284

Ion Ratio Lower Upper

173 100

175 48.4 25.4 76.4

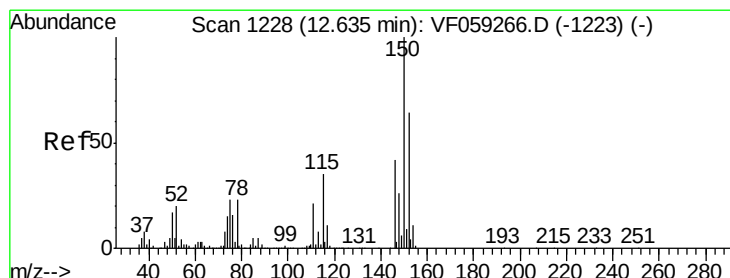
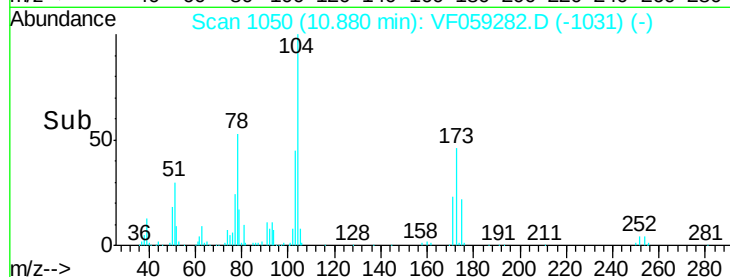
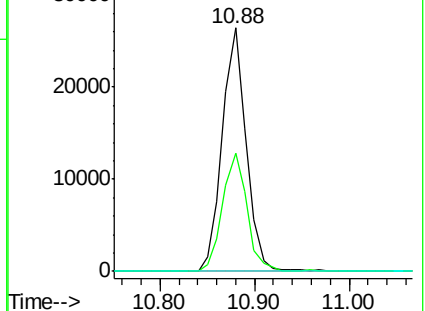
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

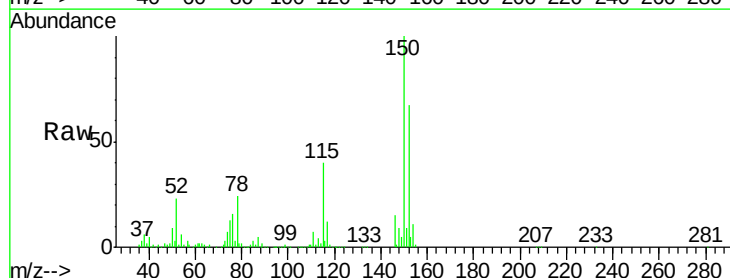
Tgt Ion:152 Resp: 235993

Ion Ratio Lower Upper

152 100

115 59.7 27.8 83.3

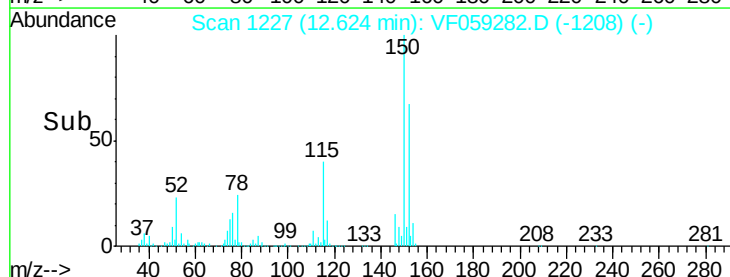
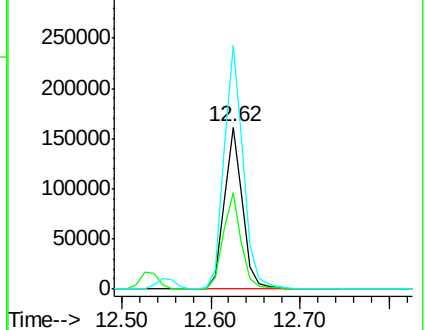
150 150.2 0.0 313.8

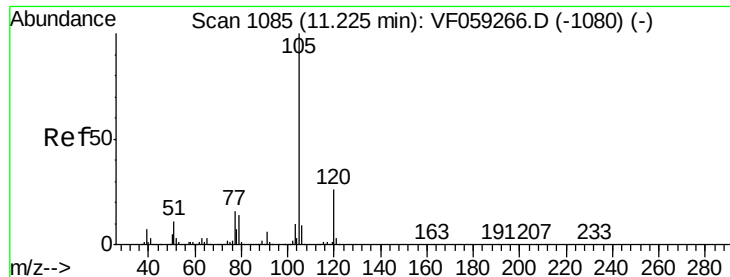


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 21.806 ug/l

RT: 11.21 min Scan# 1084

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

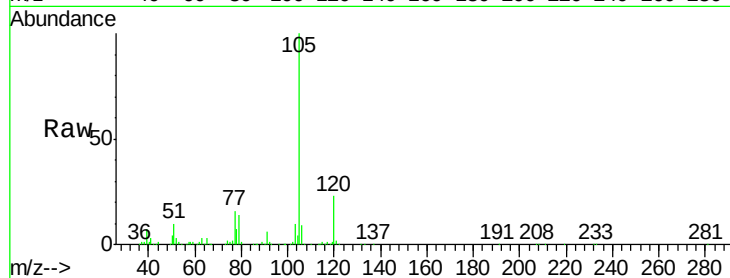
VF0622SBSD01

Tgt Ion: 105 Resp: 354484

Ion Ratio Lower Upper

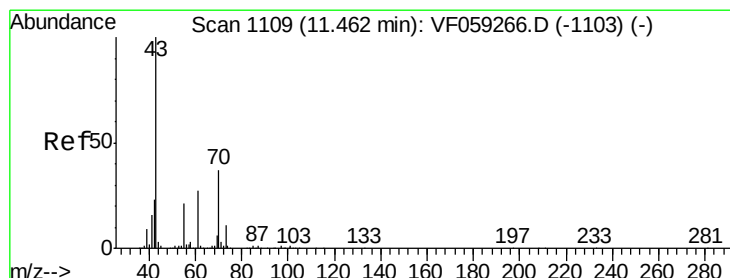
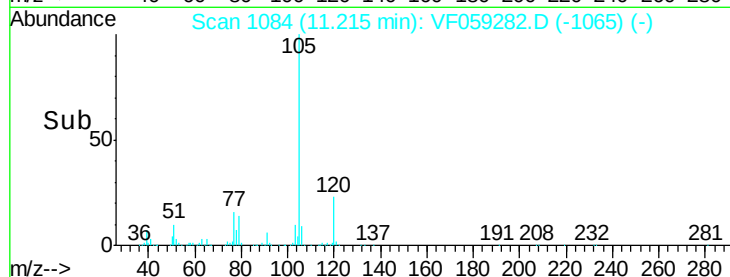
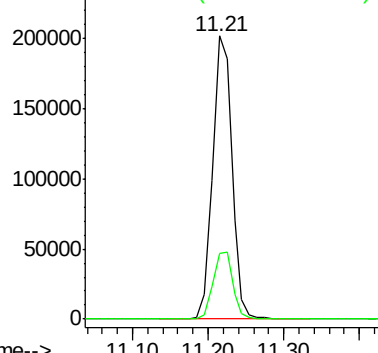
105 100

120 23.1 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-amyl acetate

Concen: 22.854 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Tgt Ion: 43 Resp: 121311

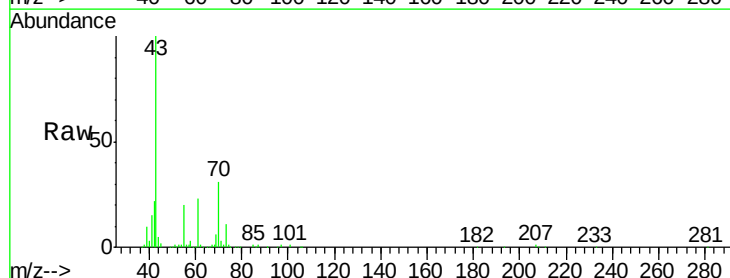
Ion Ratio Lower Upper

43 100

70 30.9 29.6 44.4

55 19.6 17.0 25.4

61 22.8 21.4 32.2

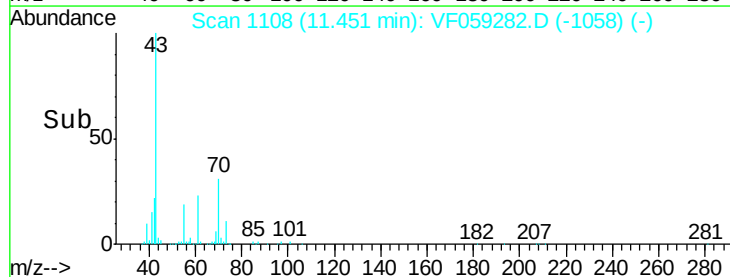
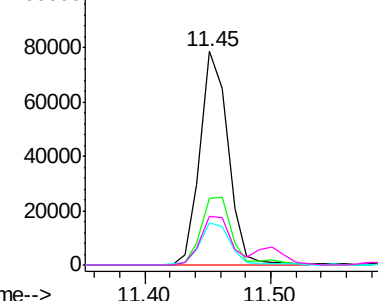


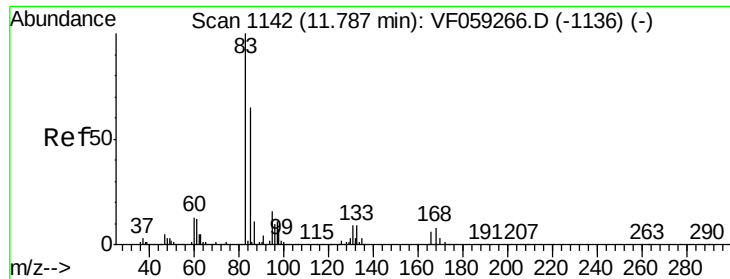
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.895 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VF0622SBSD01

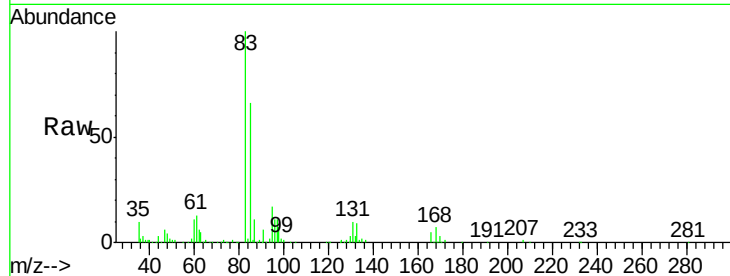
Tgt Ion: 83 Resp: 79698

Ion Ratio Lower Upper

83 100

131 9.9 4.8 14.3

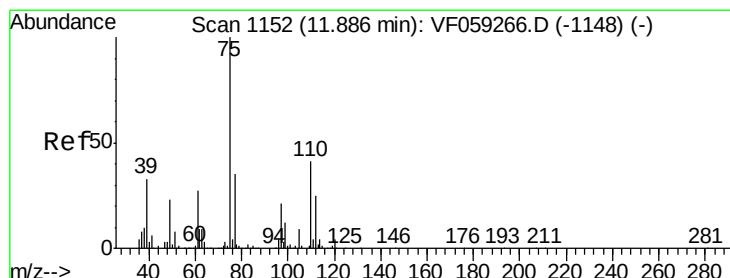
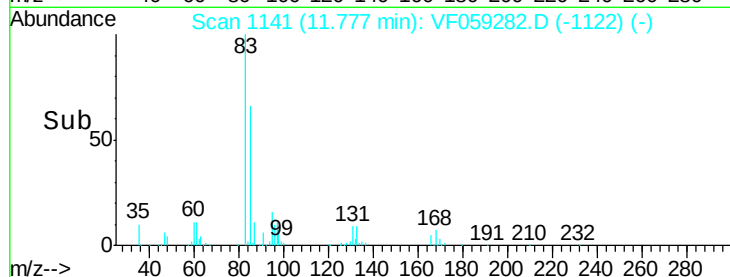
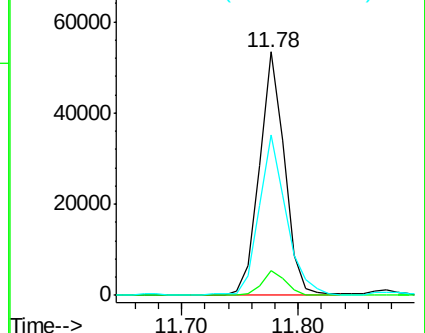
85 65.7 32.4 97.2



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: 22.134 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.01 min

Lab File: VF059282.D

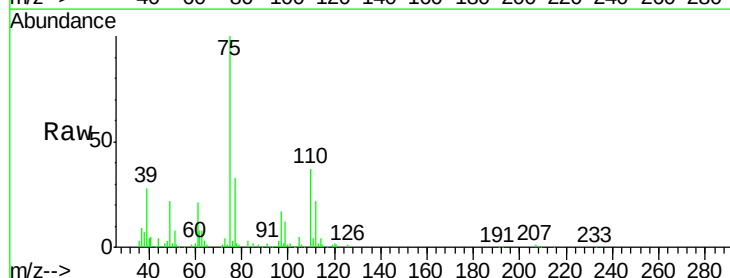
Acq: 22 Jun 2018 19:09

Tgt Ion: 75 Resp: 61818

Ion Ratio Lower Upper

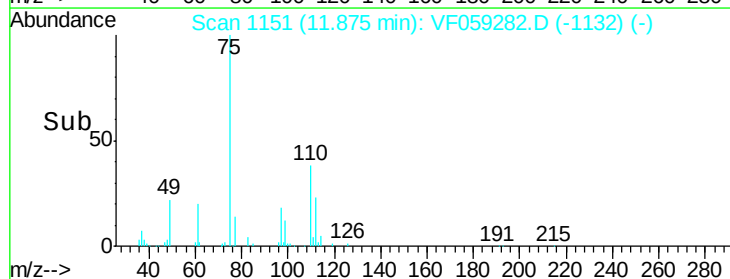
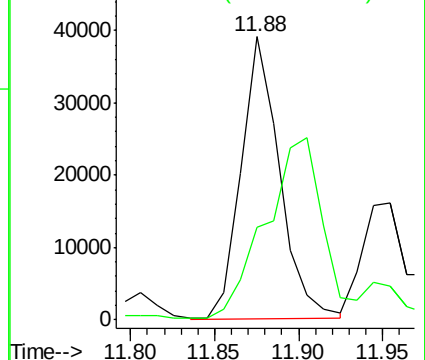
75 100

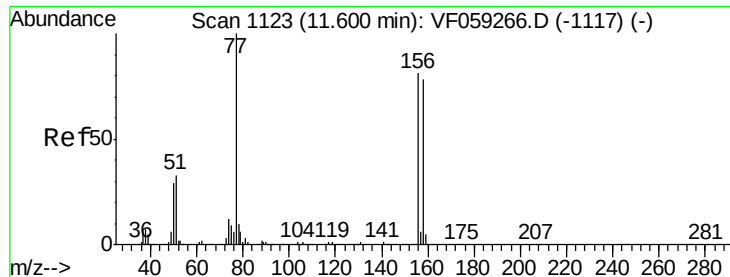
77 32.7 17.4 52.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 21.164 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VF0622SBS01

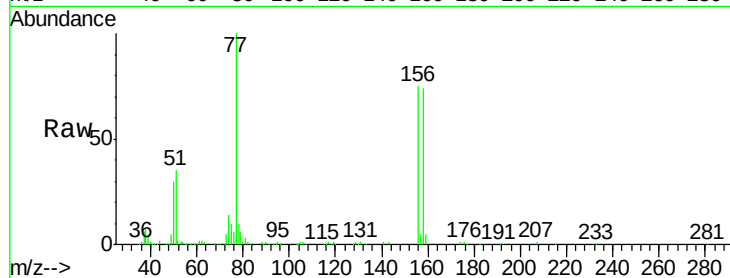
Tgt Ion:156 Resp: 92950

Ion Ratio Lower Upper

156 100

77 132.9 61.7 185.0

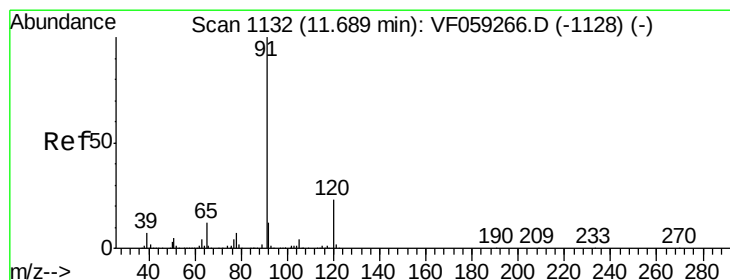
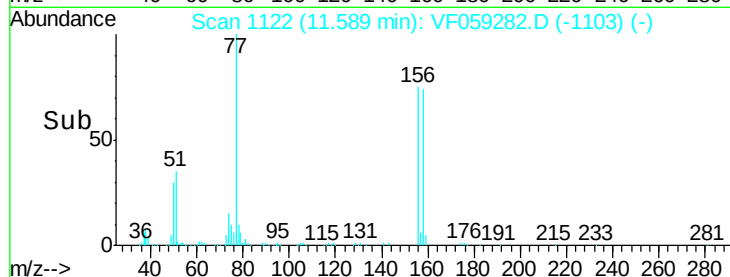
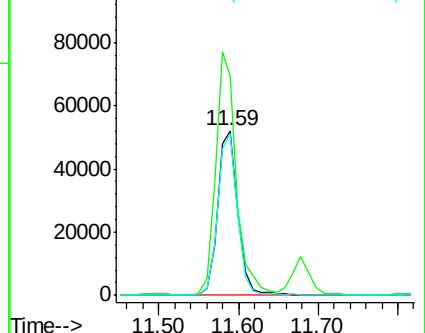
158 98.3 48.2 144.6



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 21.813 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF059282.D

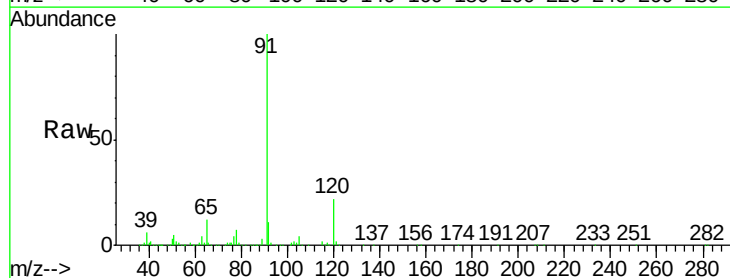
Acq: 22 Jun 2018 19:09

Tgt Ion: 91 Resp: 419552

Ion Ratio Lower Upper

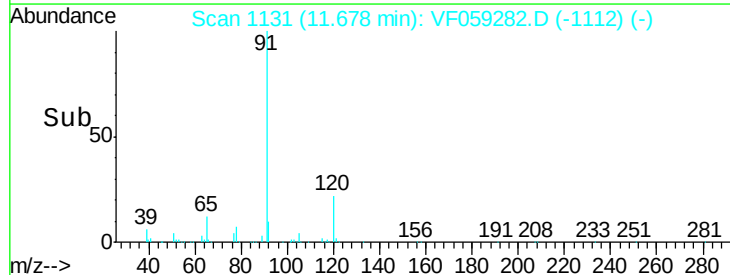
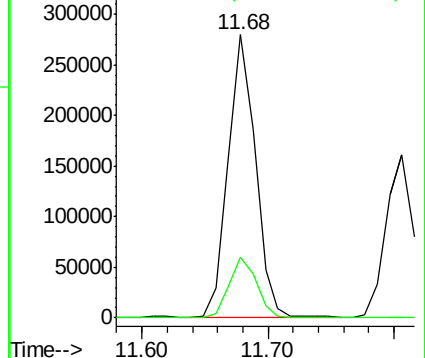
91 100

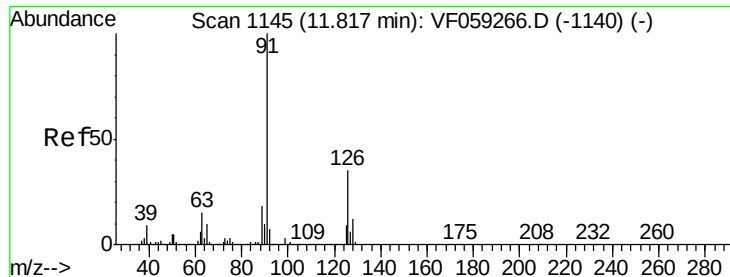
120 21.5 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

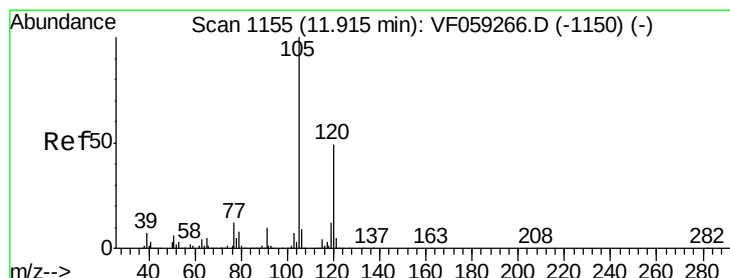
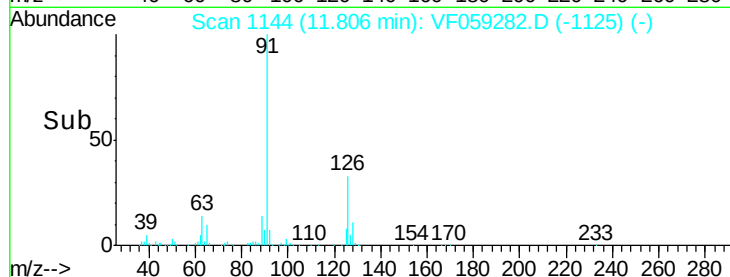
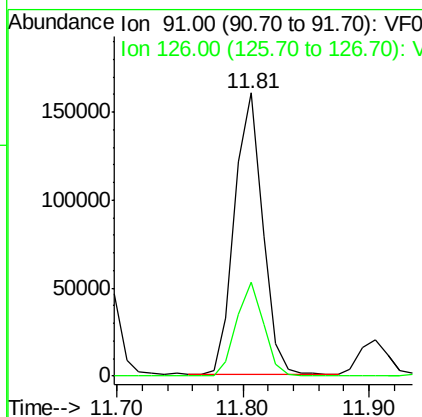
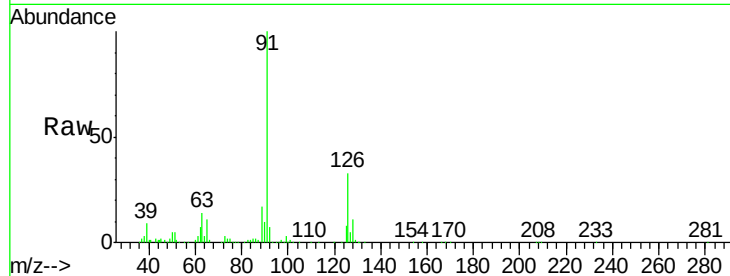




#79
 2-Chlorotoluene
 Concen: 21.492 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. -0.01 min
 Lab File: VF059282.D
 Acq: 22 Jun 2018 19:09

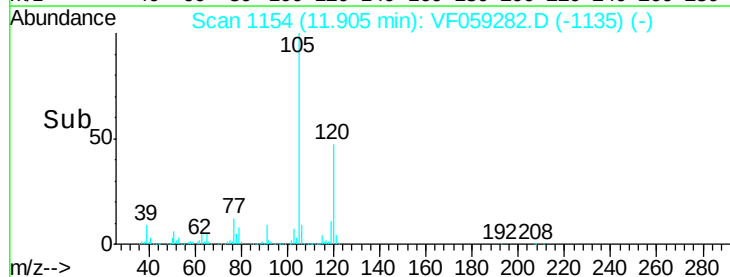
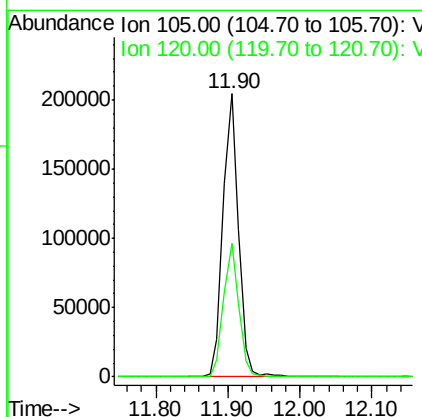
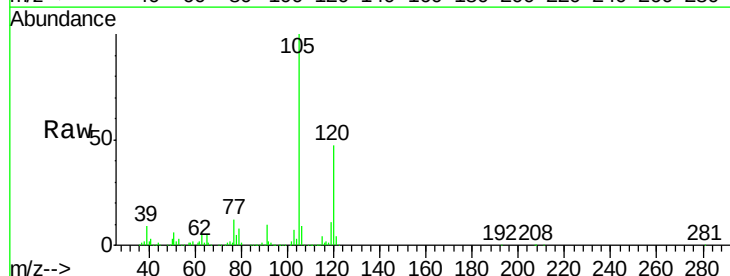
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0622SBSD01

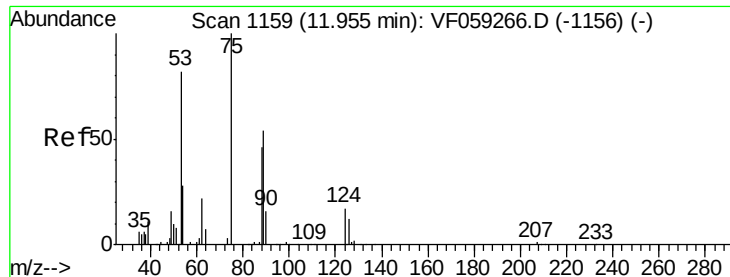
Tgt Ion: 91 Resp: 247846
 Ion Ratio Lower Upper
 91 100
 126 33.0 17.5 52.5



#80
 1,3,5-Trimethylbenzene
 Concen: 22.027 ug/l
 RT: 11.90 min Scan# 1154
 Delta R.T. -0.01 min
 Lab File: VF059282.D
 Acq: 22 Jun 2018 19:09

Tgt Ion: 105 Resp: 302759
 Ion Ratio Lower Upper
 105 100
 120 47.3 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 21.042 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VF0622SBSD01

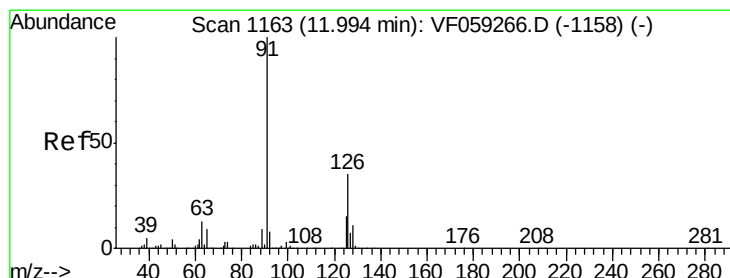
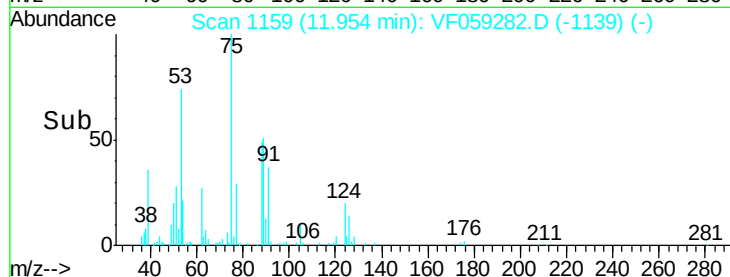
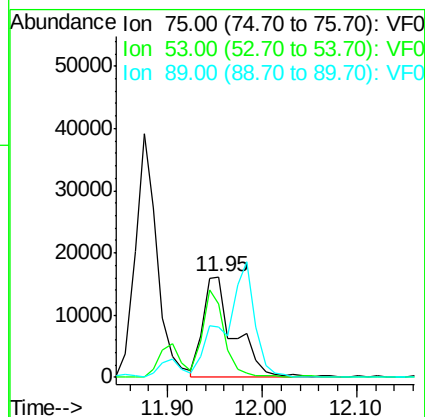
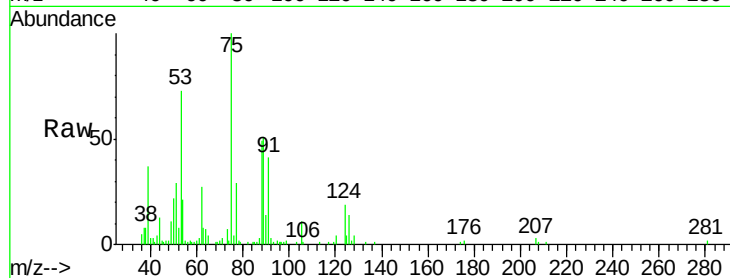
Tgt Ion: 75 Resp: 37634

Ion Ratio Lower Upper

75 100

53 73.0 70.2 105.2

89 50.6 45.3 67.9



#82

4-Chlorotoluene

Concen: 21.657 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. -0.01 min

Lab File: VF059282.D

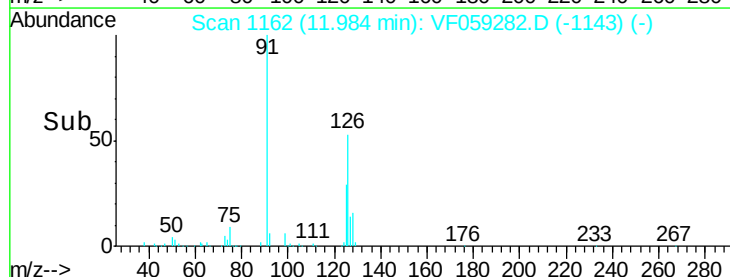
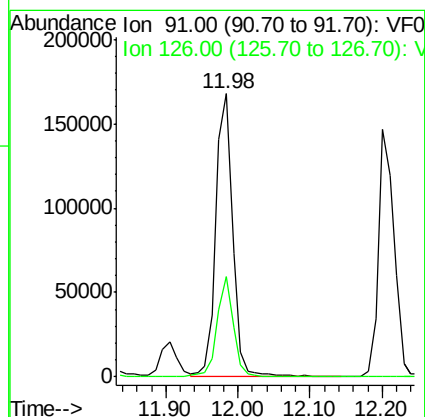
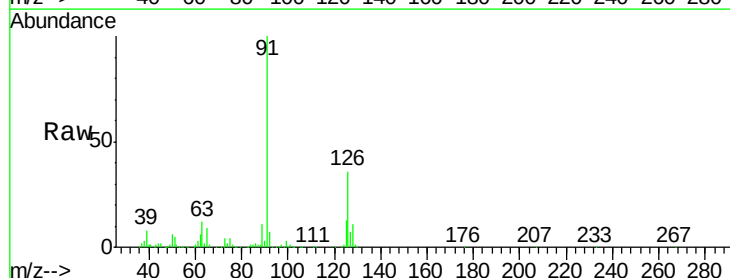
Acq: 22 Jun 2018 19:09

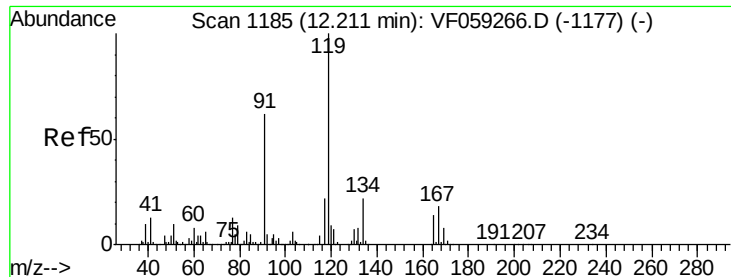
Tgt Ion: 91 Resp: 268266

Ion Ratio Lower Upper

91 100

126 35.6 17.6 52.8

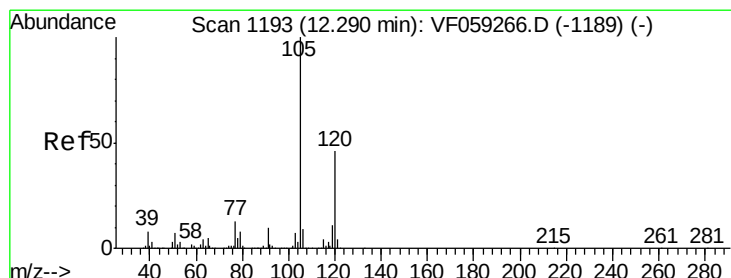
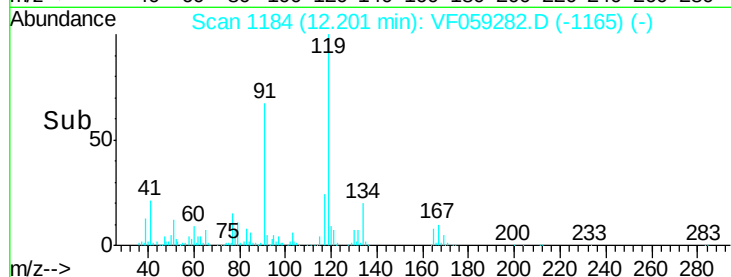
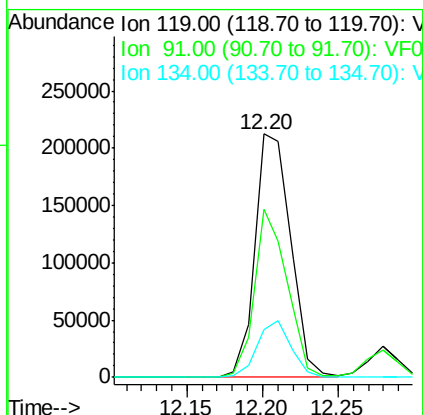
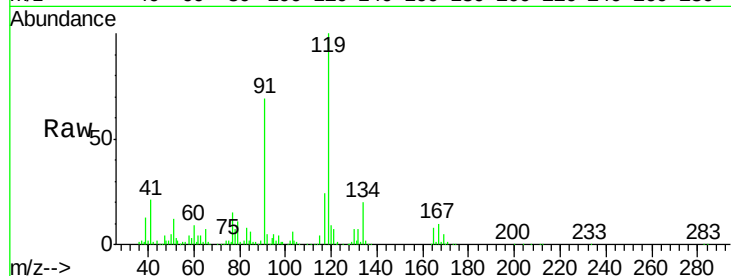




#83
 tert-Butylbenzene
 Concen: 25.168 ug/l
 RT: 12.20 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: VF059282.D
 Acq: 22 Jun 2018 19:09

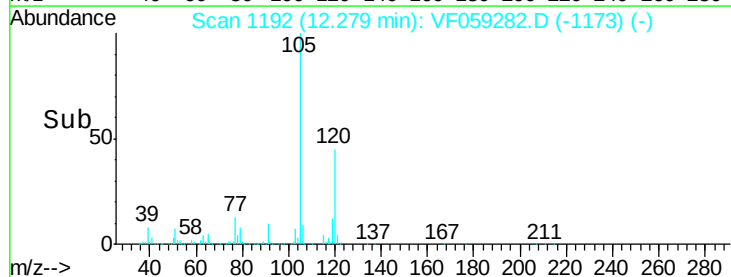
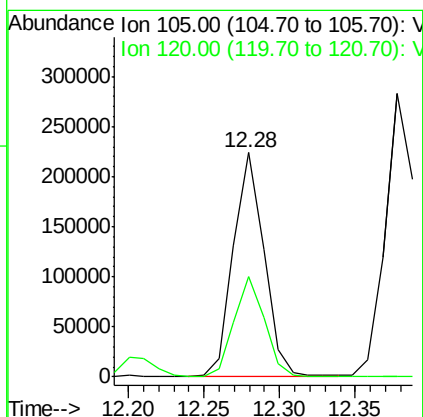
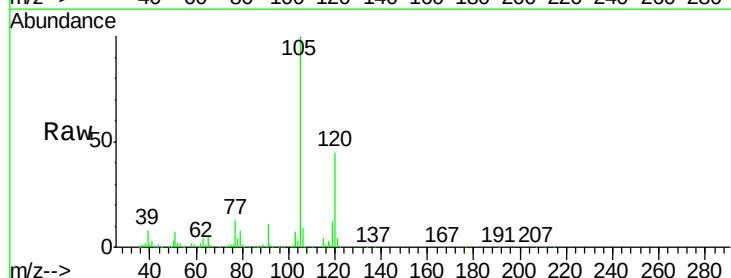
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0622SBS01

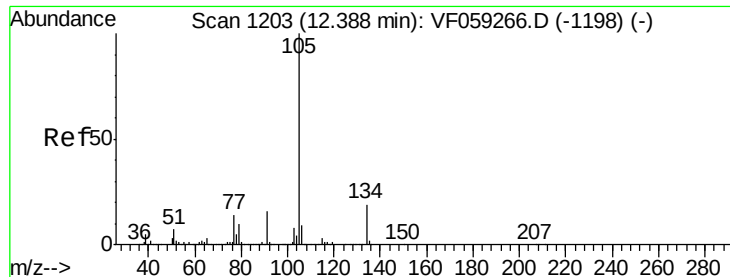
Tgt Ion:119 Resp: 350144
 Ion Ratio Lower Upper
 119 100
 91 69.0 31.3 93.8
 134 19.8 11.3 33.8



#84
 1,2,4-Trimethylbenzene
 Concen: 22.023 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF059282.D
 Acq: 22 Jun 2018 19:09

Tgt Ion:105 Resp: 318830
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.8 68.4

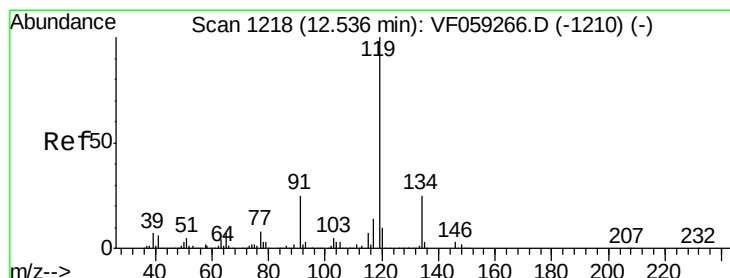
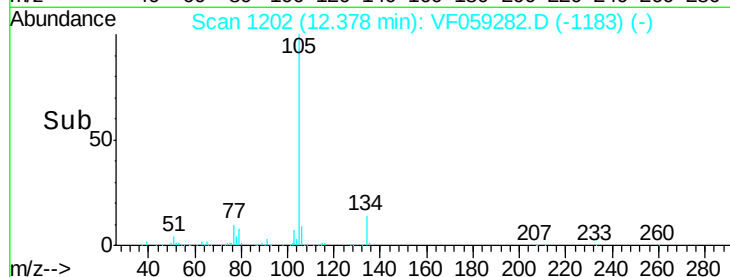
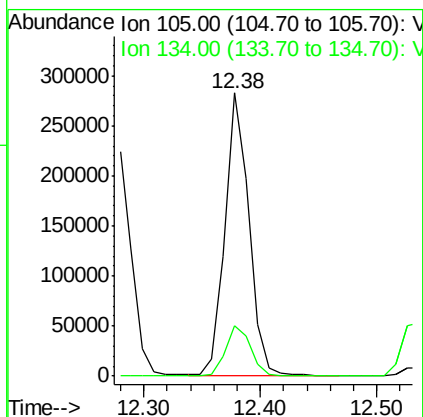
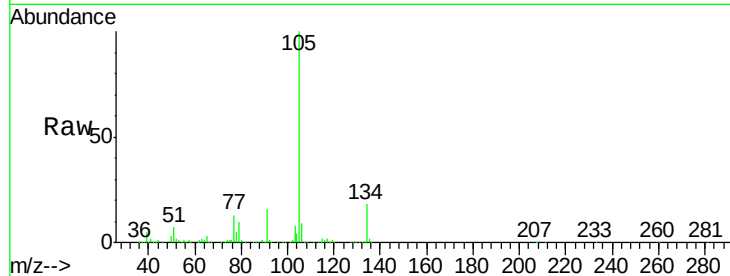




#85
 sec-Butylbenzene
 Concen: 21.720 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: VF059282.D
 Acq: 22 Jun 2018 19:09

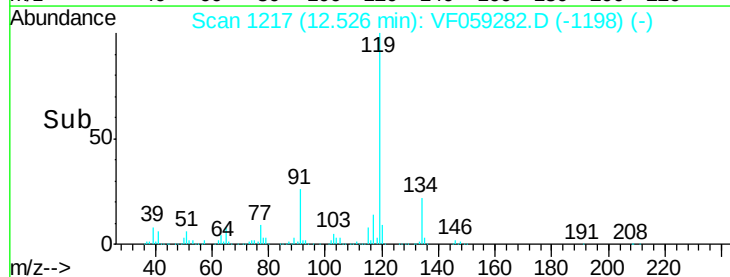
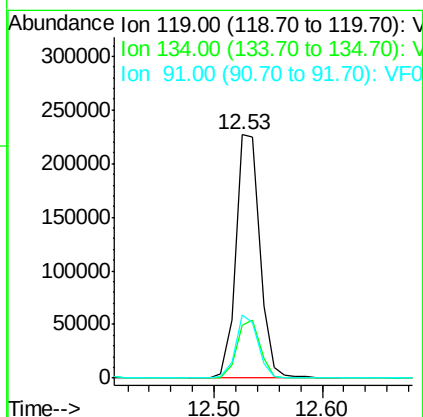
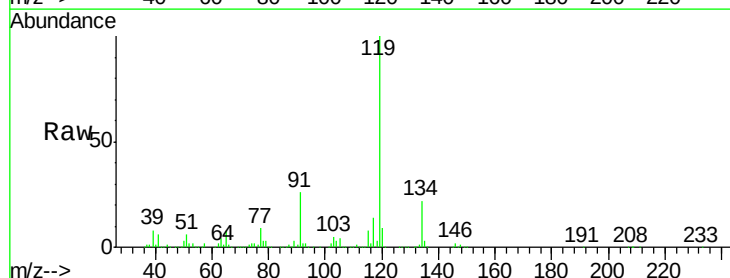
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0622SBSD01

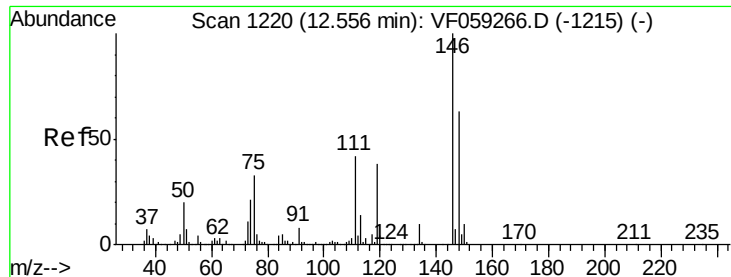
Tgt Ion:105 Resp: 403229
 Ion Ratio Lower Upper
 105 100
 134 18.0 9.5 28.5



#86
 p-Isopropyltoluene
 Concen: 22.943 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: VF059282.D
 Acq: 22 Jun 2018 19:09

Tgt Ion:119 Resp: 351195
 Ion Ratio Lower Upper
 119 100
 134 22.0 12.6 37.8
 91 25.9 12.6 37.8

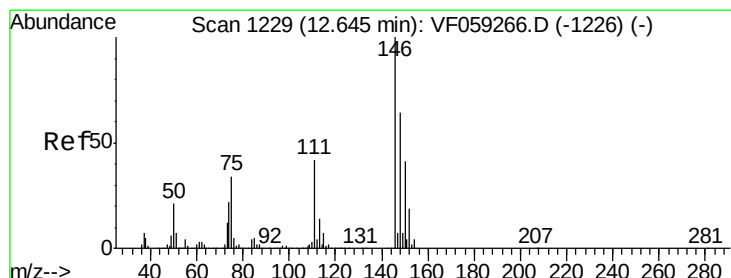
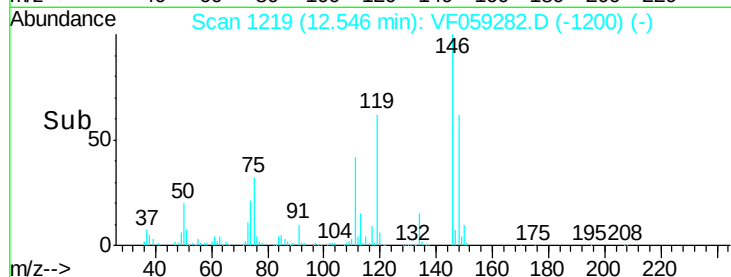
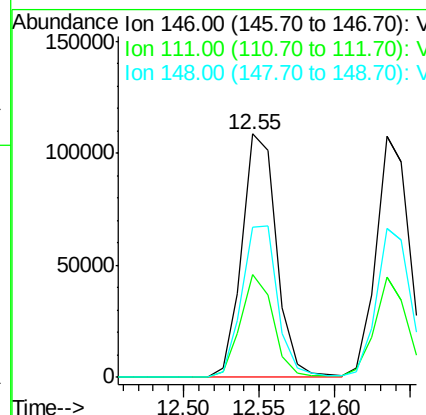
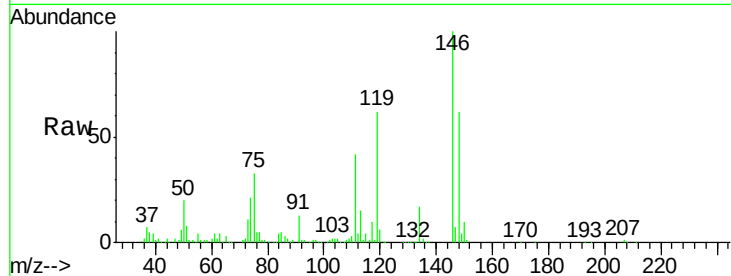




#87
 1,3-Dichlorobenzene
 Concen: 22.010 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: VF059282.D
 Acq: 22 Jun 2018 19:09

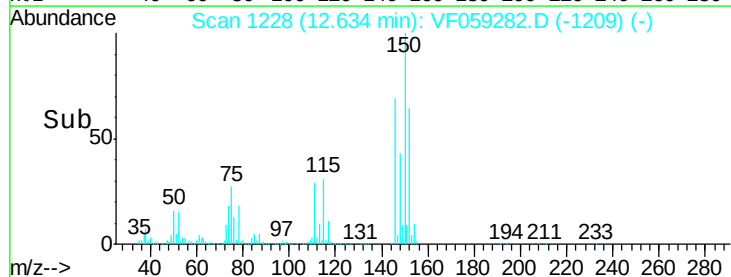
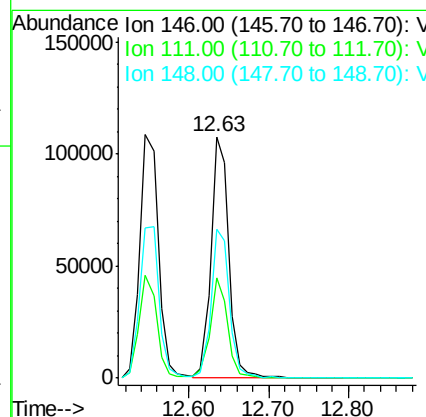
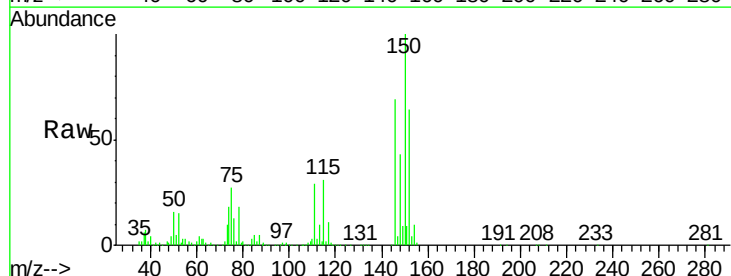
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0622SBS01

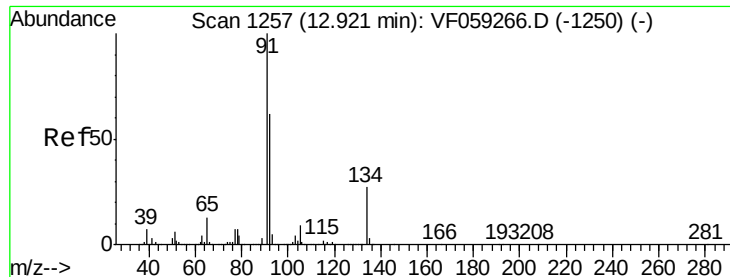
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.0	63.0
148	61.6	31.6	94.8



#88
 1,4-Dichlorobenzene
 Concen: 21.727 ug/l
 RT: 12.63 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VF059282.D
 Acq: 22 Jun 2018 19:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.3	63.9
148	61.6	32.0	96.2





#89

n-Butylbenzene

Concen: 22.457 ug/l

RT: 12.91 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VF0622SBS01

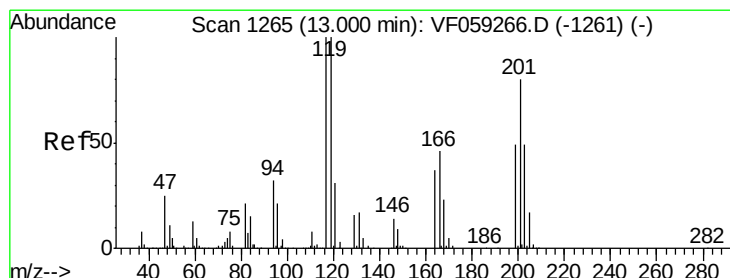
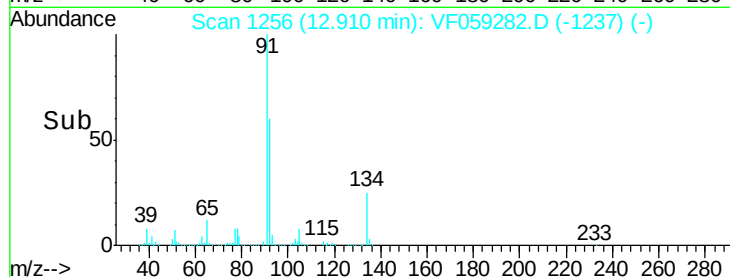
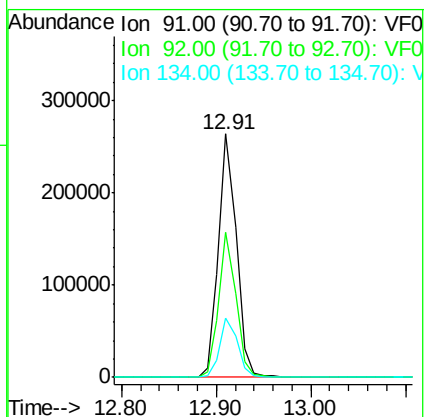
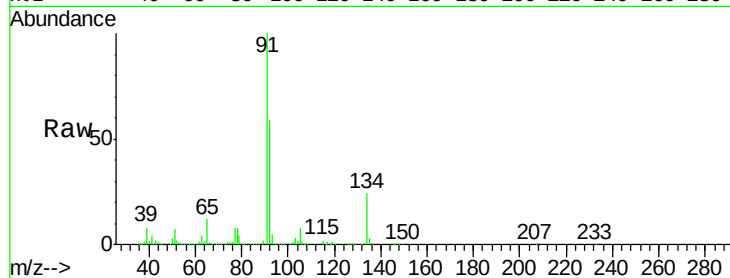
Tgt Ion: 91 Resp: 350061

Ion Ratio Lower Upper

91 100

92 59.5 31.2 93.6

134 24.5 13.4 40.1



#90

Hexachloroethane

Concen: 22.083 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VF059282.D

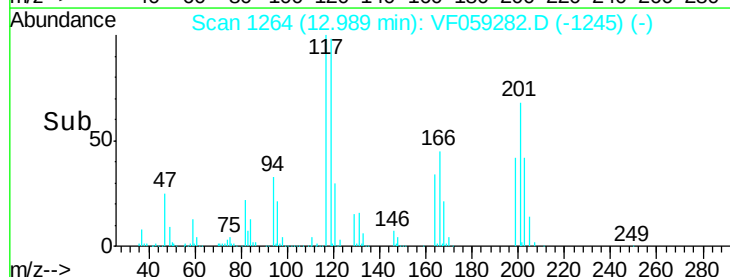
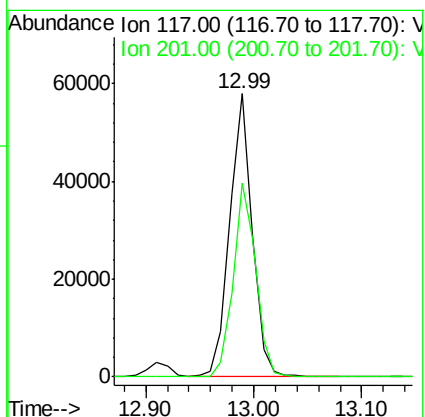
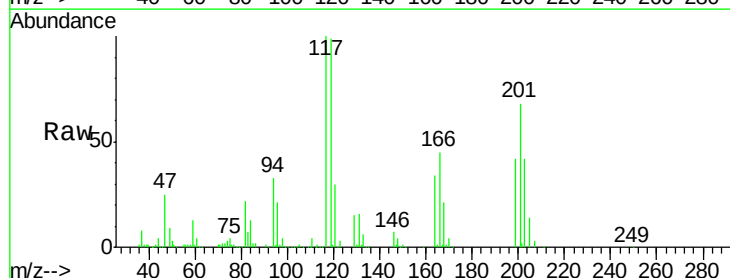
Acq: 22 Jun 2018 19:09

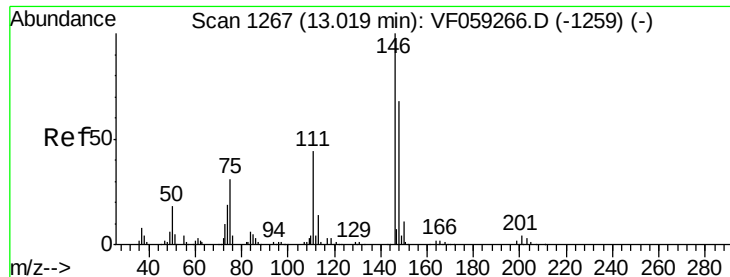
Tgt Ion: 117 Resp: 84500

Ion Ratio Lower Upper

117 100

201 68.4 39.8 119.3

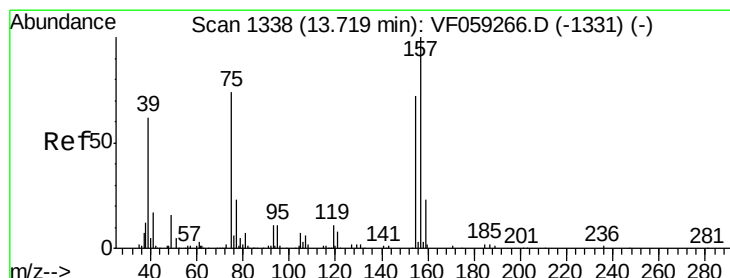
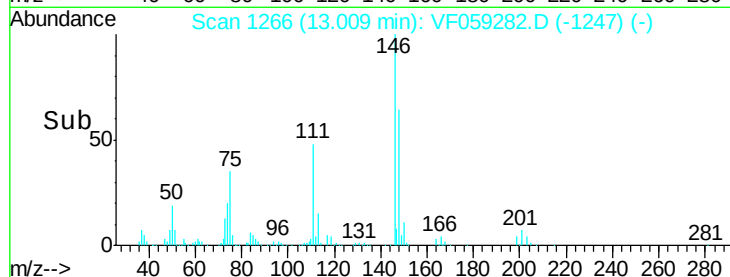
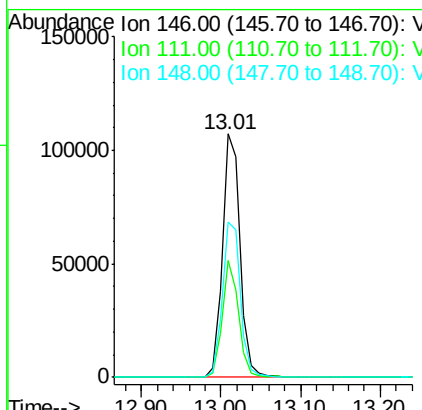
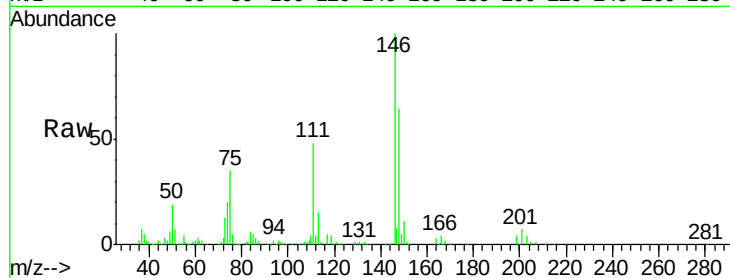




#91
 1,2-Dichlorobenzene
 Concen: 21.545 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. -0.01 min
 Lab File: VF059282.D
 Acq: 22 Jun 2018 19:09

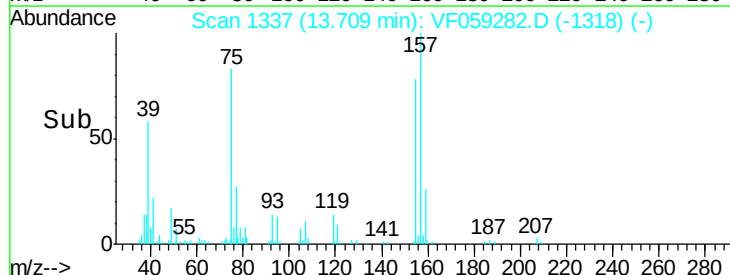
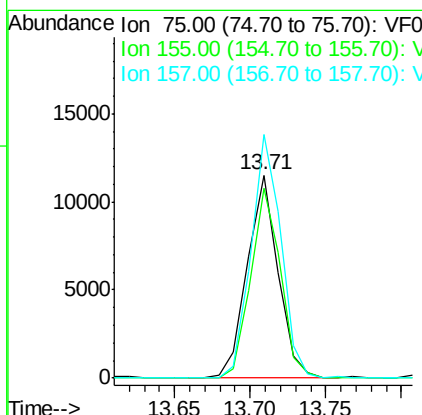
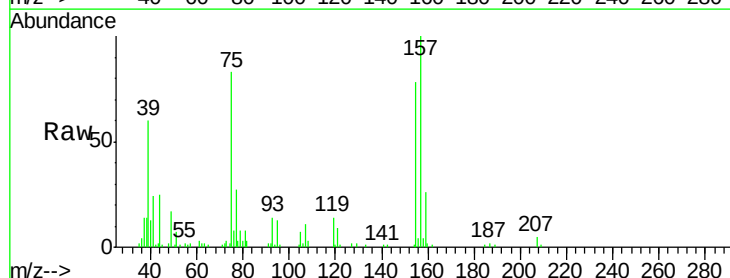
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0622SBS01

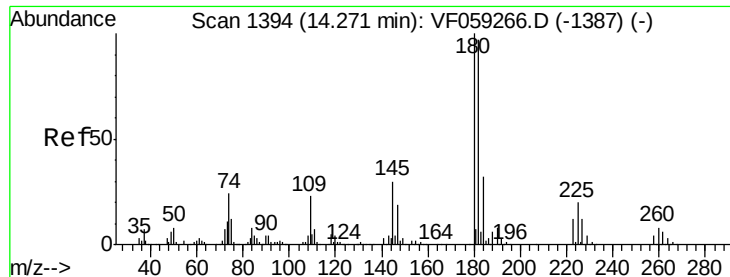
Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.1	22.1	66.3
148	64.0	34.0	102.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.854 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: VF059282.D
 Acq: 22 Jun 2018 19:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.2	48.3	144.9
157	119.9	67.2	201.6

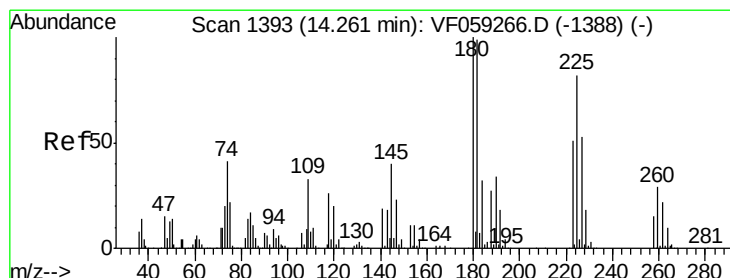
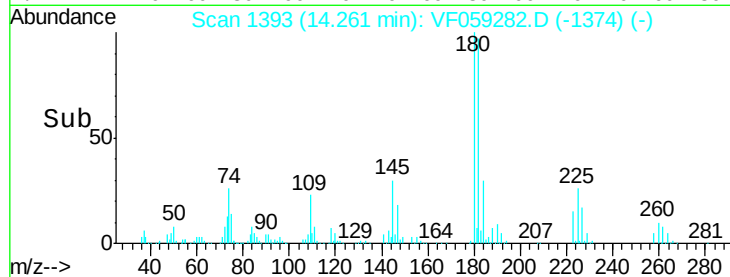
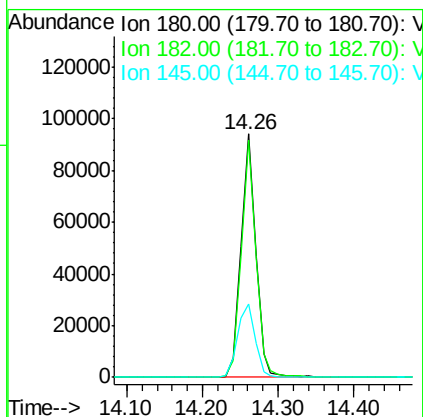
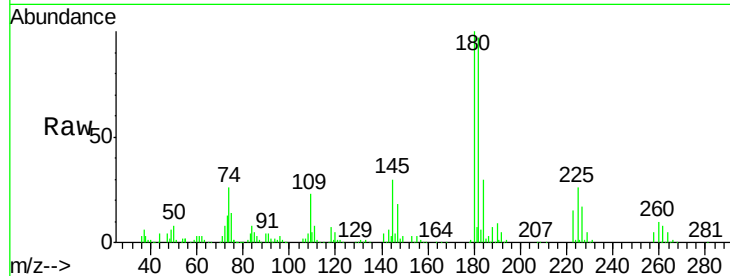




#93
 1,2,4-Trichlorobenzene
 Concen: 22.347 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF059282.D
 Acq: 22 Jun 2018 19:09

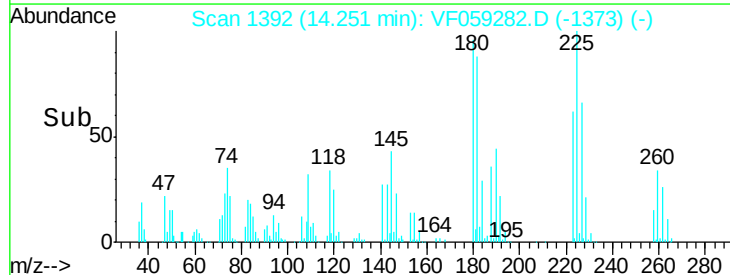
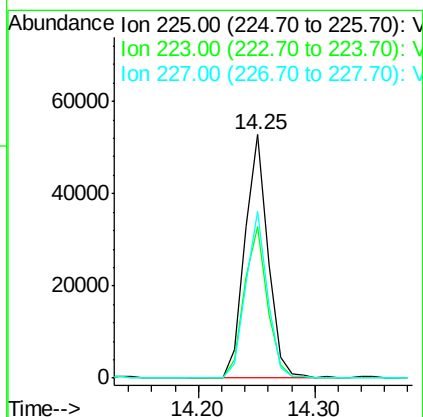
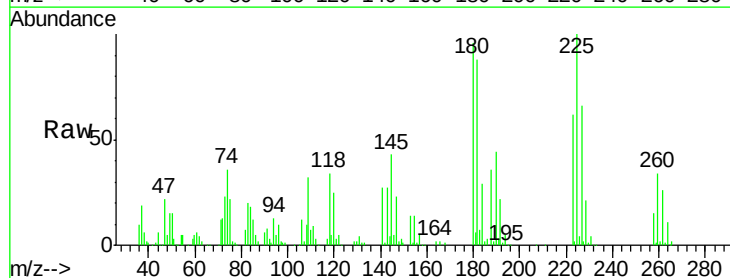
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0622SBSD01

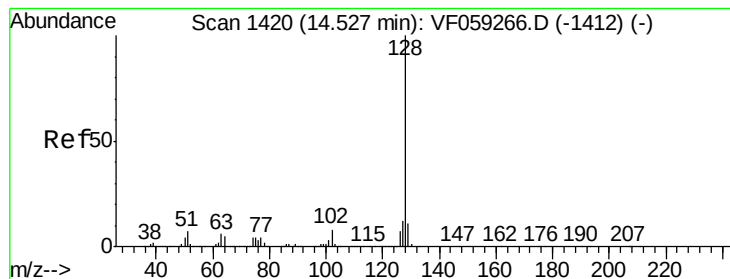
Tgt Ion:180 Resp: 127485
 Ion Ratio Lower Upper
 180 100
 182 97.2 48.6 145.9
 145 30.4 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 21.594 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF059282.D
 Acq: 22 Jun 2018 19:09

Tgt Ion:225 Resp: 73011
 Ion Ratio Lower Upper
 225 100
 223 62.2 30.7 92.1
 227 68.7 32.0 96.2





#95

Naphthalene

Concen: 21.740 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.01 min

Lab File: VF059282.D

Acq: 22 Jun 2018 19:09

Instrument :

MSVOA_F

ClientSampleId :

VF0622SBS01

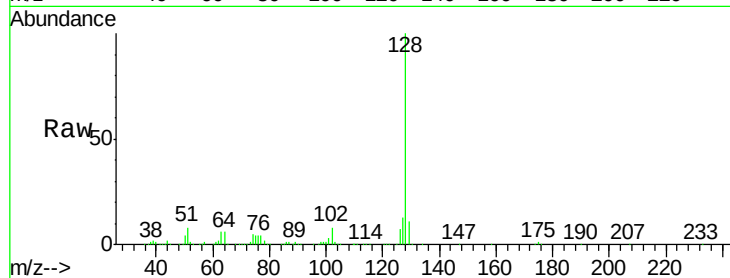
Tgt Ion:128 Resp: 254674

Ion Ratio Lower Upper

128 100

127 12.6 9.6 14.4

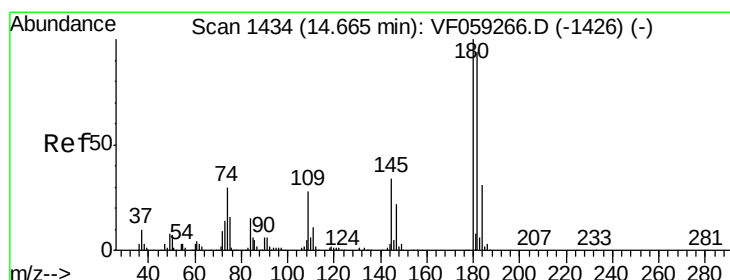
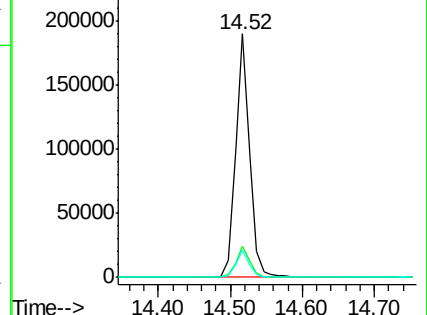
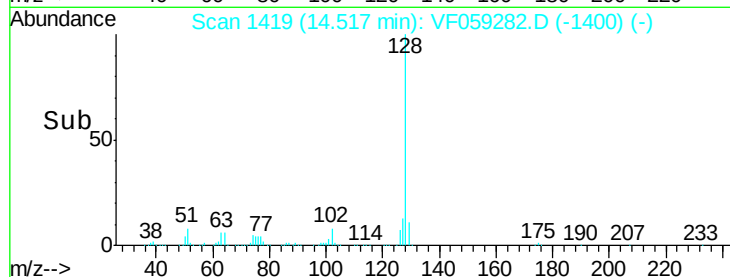
129 11.3 9.0 13.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 22.279 ug/l

RT: 14.66 min Scan# 1434

Delta R.T. -0.00 min

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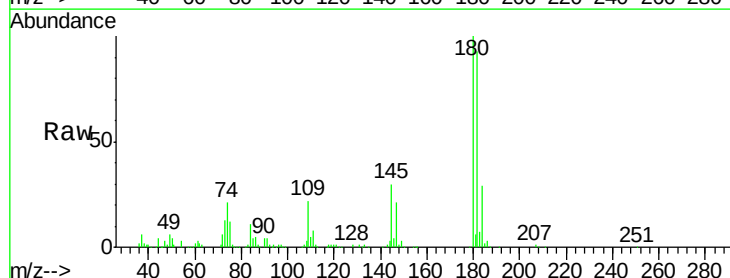
Tgt Ion:180 Resp: 119591

Ion Ratio Lower Upper

180 100

182 92.6 46.9 140.7

145 30.3 17.0 50.9



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

