

Data Path : Z:\voasrv\HPCHEM1\MSVOA F\Data\VF072318\
 Data File : VF059611.D
 Acq On : 23 Jul 2018 13:23
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 82 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Quant Time: Jul 23 14:49:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072318S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 23 14:51:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	229807	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	327315	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	318373	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	169708	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	36365	10.05	ug/l	0.00
Spiked Amount 50.000			Recovery =	20.10%		
35) Dibromofluoromethane	4.29	113	29536	10.25	ug/l	0.00
Spiked Amount 50.000			Recovery =	20.50%		
50) Toluene-d8	7.71	98	74437	10.41	ug/l	0.00
Spiked Amount 50.000			Recovery =	20.82%		
62) 4-Bromofluorobenzene	11.51	95	40949	10.46	ug/l	0.00
Spiked Amount 50.000			Recovery =	20.92%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.97	85	30684	10.69	ug/l	84
3) Chloromethane	1.08	50	15128	10.50	ug/l	94
4) Vinyl Chloride	1.14	62	13973	8.88	ug/l #	84
5) Bromomethane	1.34	94	14590	12.32	ug/l	97
6) Chloroethane	1.42	64	9179	10.64	ug/l #	89
7) Trichlorofluoromethane	1.49	101	42923	11.84	ug/l	87
8) Diethyl Ether	1.69	74	6027	8.99	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	1.89	101	23207	12.82	ug/l #	88
10) Methyl Iodide	1.96	142	39132	12.62	ug/l	97
11) Tert butyl alcohol	2.68	59	8071	51.78	ug/l	99
12) 1,1-Dichloroethene	1.85	96	17623	10.34	ug/l	96
13) Acrolein	2.08	56	3013	37.43	ug/l	99
14) Allyl chloride	2.19	41	29343	11.95	ug/l	90
15) Acrylonitrile	3.05	53	12518	46.09	ug/l #	72
16) Acetone	2.33	43	34117	56.56	ug/l	98
17) Carbon Disulfide	1.86	76	46837	11.92	ug/l	95
18) Methyl Acetate	2.53	43	17104	14.02	ug/l	97
19) Methyl tert-butyl Ether	2.53	73	49707	9.61	ug/l	94
20) Methylene Chloride	2.27	84	22211	11.46	ug/l	88
21) trans-1,2-Dichloroethene	2.41	96	18988	11.47	ug/l	85
22) Diisopropyl ether	2.92	45	57495	9.79	ug/l #	91
23) Vinyl Acetate	3.33	43	144682	44.10	ug/l #	97
24) 1,1-Dichloroethane	2.99	63	41379	10.91	ug/l	97
25) 2-Butanone	4.50	43	33196	43.30	ug/l	94
26) 2,2-Dichloropropane	3.76	77	35838	13.30	ug/l	91
27) cis-1,2-Dichloroethene	3.63	96	20167	10.74	ug/l	93
28) Bromochloromethane	3.88	49	14890	9.55	ug/l	93
29) Tetrahydrofuran	4.25	42	13402	40.30	ug/l	98
30) Chloroform	4.03	83	55864	10.41	ug/l	92
31) Cyclohexane	3.87	56	24473	11.80	ug/l	89
32) 1,1,1-Trichloroethane	4.27	97	54376	13.70	ug/l	93
36) 1,1-Dichloropropene	4.44	75	34998	10.66	ug/l	91
37) Ethyl Acetate	4.28	43	11958	6.72	ug/l #	77
38) Carbon Tetrachloride	4.16	117	59990	13.77	ug/l	94

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Quant Time: Jul 23 14:49:07 2018
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 Quant Title : SW846 8260
 QLast Update : Mon Jul 23 14:51:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	28423	10.92	ug/l #	82
40) Benzene	4.80	78	63763	10.09	ug/l	99
41) Methacrylonitrile	4.92	41	6567	7.46	ug/l #	68
42) 1,2-Dichloroethane	5.10	62	42742	10.07	ug/l	100
43) Isopropyl Acetate	7.11	43	16963	7.81	ug/l #	99
44) Trichloroethene	5.67	130	24701	10.38	ug/l	98
45) 1,2-Dichloropropane	6.40	63	17475	10.03	ug/l	95
46) Dibromomethane	6.25	93	12884	8.38	ug/l	93
47) Bromodichloromethane	6.54	83	42068	9.93	ug/l #	96
48) Methyl methacrylate	6.87	41	13703	8.85	ug/l #	80
49) 1,4-Dioxane	6.87	88	1347	153.38	ug/l #	72
51) 4-Methyl-2-Pentanone	8.41	43	59492	38.74	ug/l	98
52) Toluene	7.78	92	48620	10.36	ug/l	93
53) t-1,3-Dichloropropene	8.43	75	34036	9.07	ug/l	96
54) cis-1,3-Dichloropropene	7.45	75	33171	8.84	ug/l	97
55) 1,1,2-Trichloroethane	8.63	97	15621	8.84	ug/l	87
56) Ethyl methacrylate	8.75	69	16256	7.72	ug/l	90
57) 1,3-Dichloropropane	9.00	76	26704	8.61	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.77	63	11206	56.96	ug/l	100
59) 2-Hexanone	9.63	43	46061	38.25	ug/l	96
60) Dibromochloromethane	8.86	129	27264	9.12	ug/l	88
61) 1,2-Dibromoethane	9.13	107	17649	8.41	ug/l	85
64) Tetrachloroethene	8.31	164	27097	11.37	ug/l #	84
65) Chlorobenzene	9.93	112	63921	10.51	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.07	131	28778	10.45	ug/l	94
67) Ethyl Benzene	10.03	91	117939	10.98	ug/l	99
68) m/p-Xylenes	10.26	106	82083	22.25	ug/l	93
69) o-Xylene	10.82	106	45095	11.15	ug/l	79
70) Styrene	10.90	104	65805	10.86	ug/l	93
71) Bromoform	10.89	173	16592	8.86	ug/l	96
73) Isopropylbenzene	11.23	105	138205	13.10	ug/l	99
74) N-amyl acetate	11.46	43	26977	8.76	ug/l #	93
75) 1,1,1,2-Tetrachloroethane	11.79	83	21500	10.02	ug/l	87
76) 1,2,3-Trichloropropane	11.88	75	19088	10.65	ug/l	83
77) Bromobenzene	11.59	156	34268	11.72	ug/l	96
78) n-propylbenzene	11.69	91	170375	13.75	ug/l	98
79) 2-Chlorotoluene	11.81	91	103046	13.71	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	126398	14.01	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	11232	12.86	ug/l	96
82) 4-Chlorotoluene	11.98	91	112823	13.45	ug/l	100
83) tert-Butylbenzene	12.21	119	129366	14.72	ug/l	94
84) 1,2,4-Trimethylbenzene	12.28	105	128916	13.80	ug/l	99
85) sec-Butylbenzene	12.39	105	160656	14.30	ug/l	97
86) p-Isopropyltoluene	12.54	119	139441	14.24	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	71845	14.00	ug/l	95
88) 1,4-Dichlorobenzene	12.64	146	58405	11.49	ug/l	95
89) n-Butylbenzene	12.92	91	134295	14.53	ug/l	96
90) Hexachloroethane	12.99	117	33496	14.20	ug/l	97
91) 1,2-Dichlorobenzene	13.02	146	64262	13.12	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	4615	8.78	ug/l	97

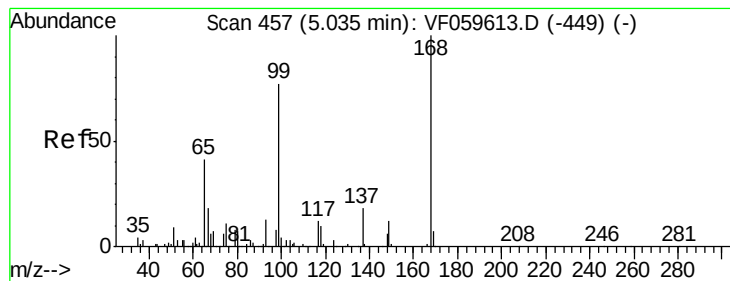
Data Path : Z:\voasrv\HPCHEM1\MSVOA F\Data\VF072318\
Data File : VF059611.D
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Instrument :
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ClientSampleId :
VSTDICC010

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Quant Title : SW846 8260
QLast Update : Mon Jul 23 14:51:09 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	47986	14.72	ug/l	92
94) Hexachlorobutadiene	14.25	225	32282	16.99	ug/l	96
95) Naphthalene	14.52	128	70795	11.39	ug/l	97
96) 1,2,3-Trichlorobenzene	14.67	180	40738	13.85	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_F

ClientSampleId :

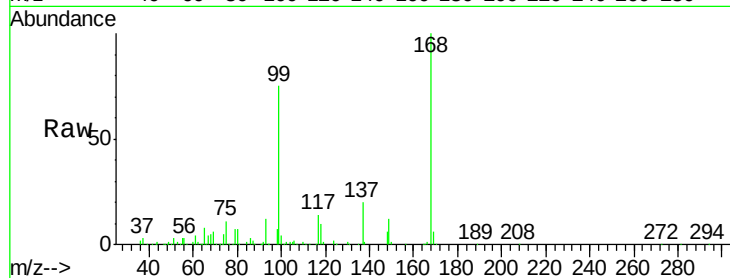
VSTDIC010

Tot Ion:168 Resp: 229807

Ion Ratio Lower Upper

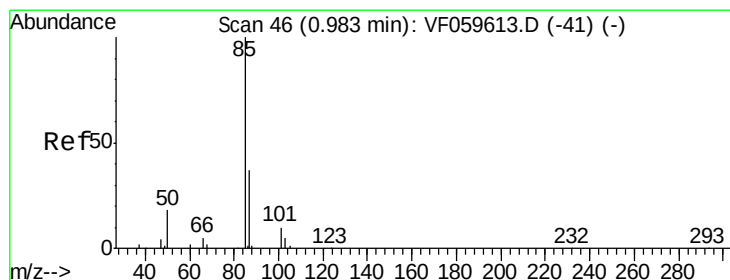
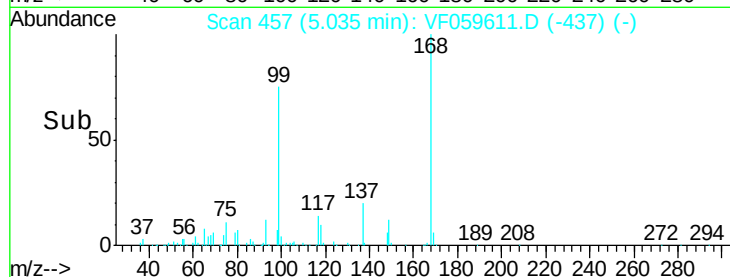
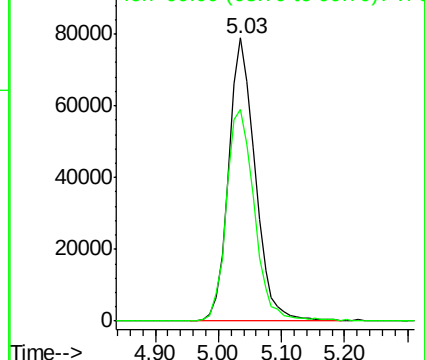
168 100

99 75.0 61.5 92.3



Abundance Ion 168.00 (167.70 to 168.70):

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 10.69 ug/l

RT: 0.97 min Scan# 45

Delta R.T. -0.01 min

Lab File: VF059611.D

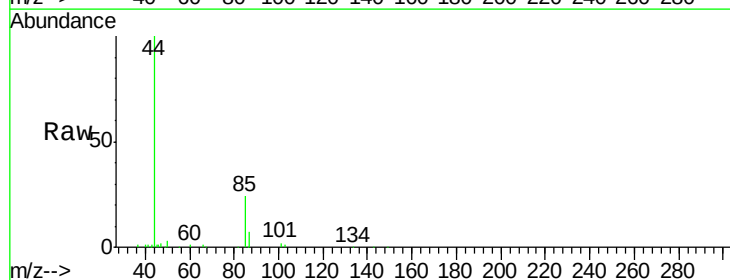
Acq: 23 Jul 2018 13:23

Tgt Ion: 85 Resp: 30684

Ion Ratio Lower Upper

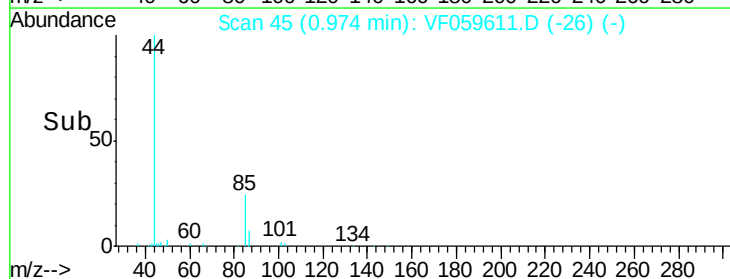
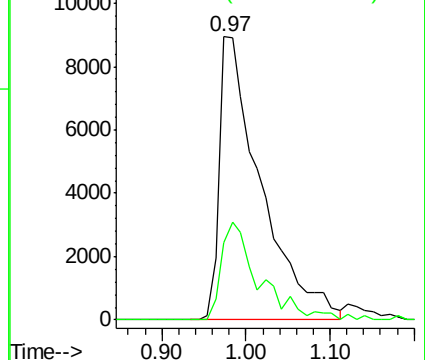
85 100

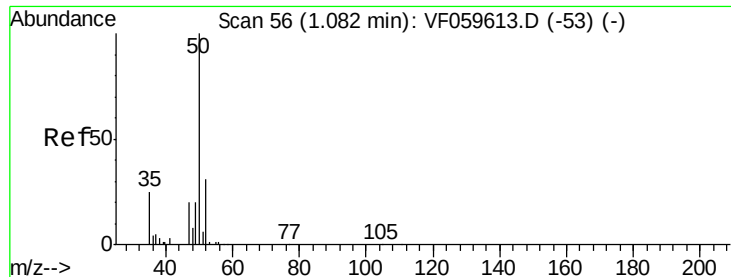
87 27.2 18.3 54.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 10.50 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_F

ClientSampleId :

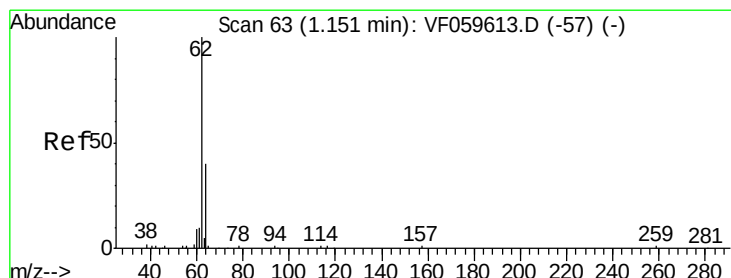
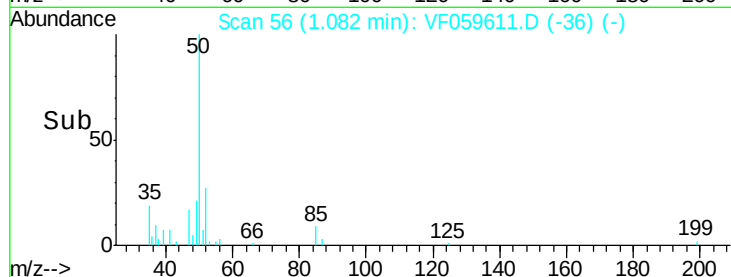
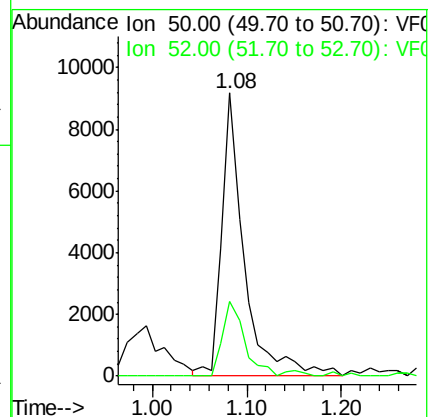
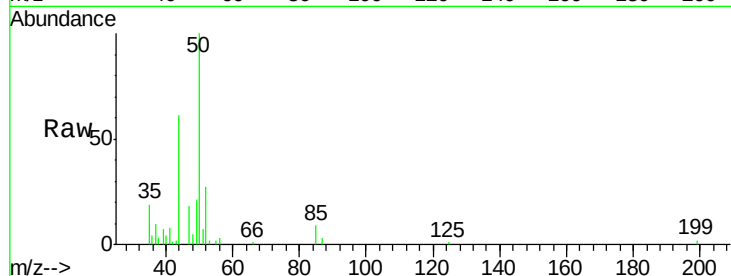
VSTDIC010

Tot Ion: 50 Resp: 15128

Ion Ratio Lower Upper

50 100

52 26.6 23.7 35.5



#4

Vinyl Chloride

Concen: 8.88 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF059611.D

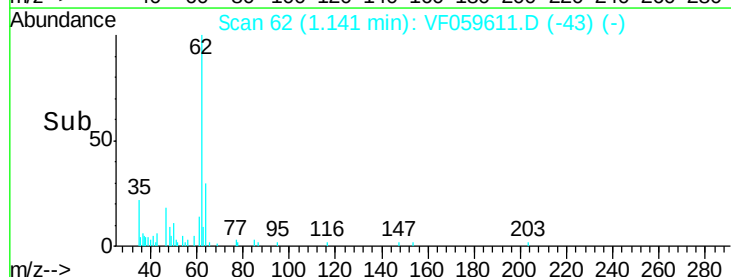
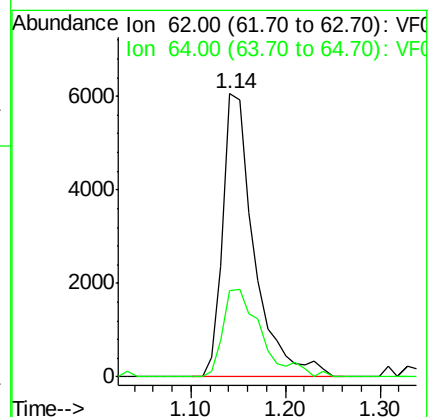
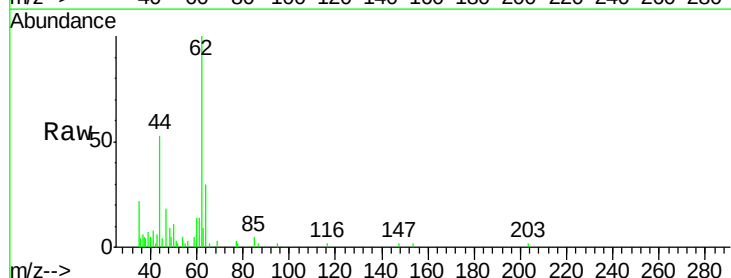
Acq: 23 Jul 2018 13:23

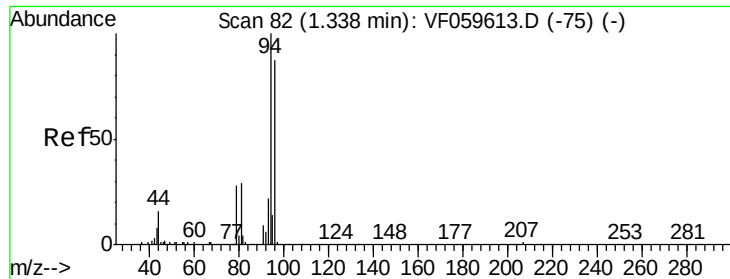
Tgt Ion: 62 Resp: 13973

Ion Ratio Lower Upper

62 100

64 30.4 32.2 48.4#





#5

Bromomethane

Concen: 12.32 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_F

ClientSampleId :

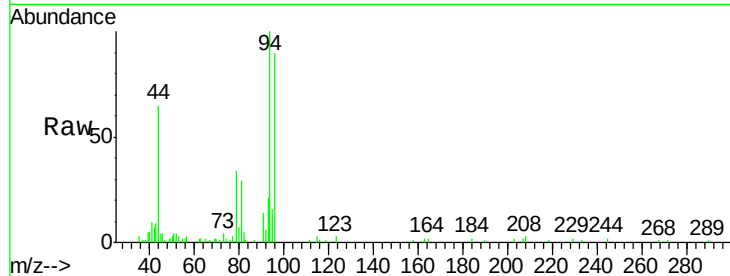
VSTDIC010

Tot Ion: 94 Resp: 14590

Ion Ratio Lower Upper

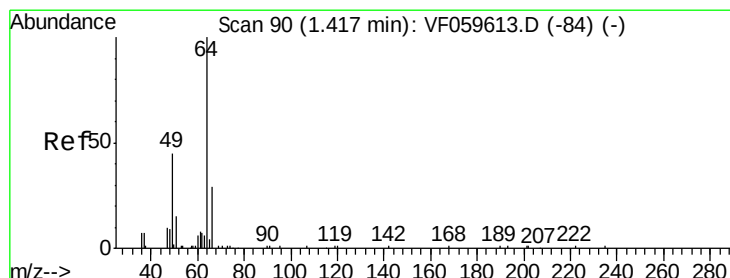
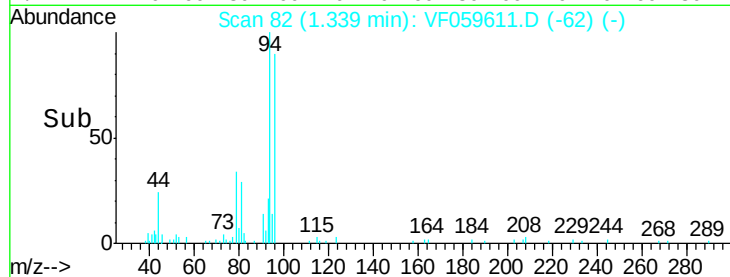
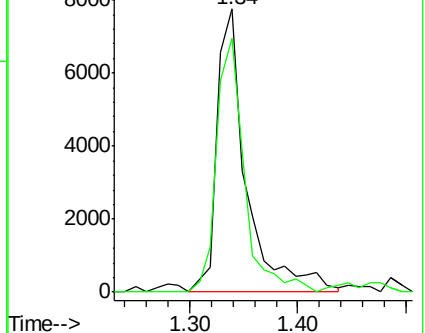
94 100

96 89.9 69.8 104.8



Abundance Ion 94.00 (93.70 to 94.70): VF059611.D (-62) (-)

Ion 96.00 (95.70 to 96.70): VF059611.D (-62) (-)



#6

Chloroethane

Concen: 10.64 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.00 min

Lab File: VF059611.D

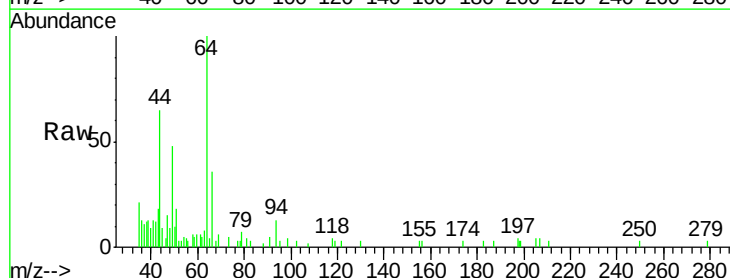
Acq: 23 Jul 2018 13:23

Tgt Ion: 64 Resp: 9179

Ion Ratio Lower Upper

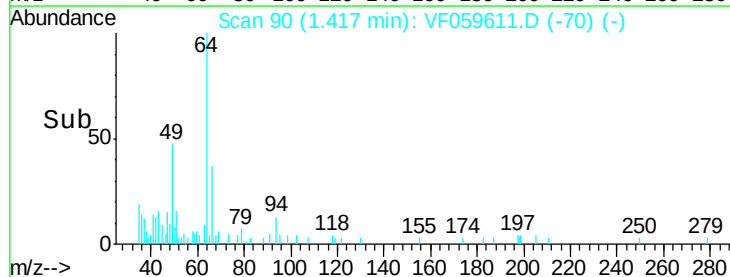
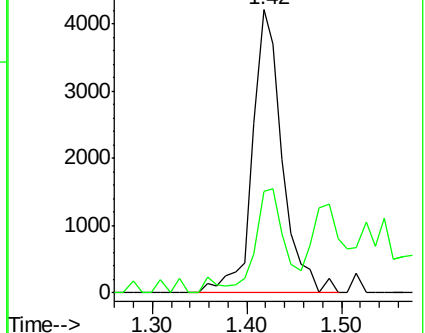
64 100

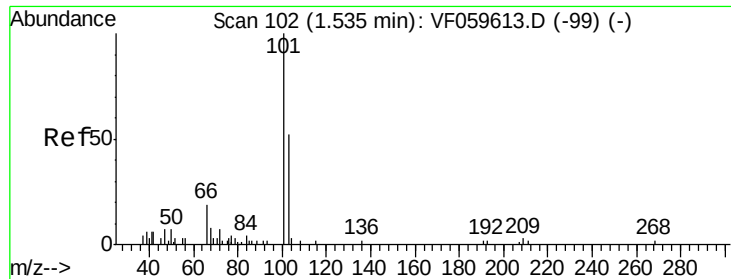
66 35.8 23.7 35.5#



Abundance Ion 64.00 (63.70 to 64.70): VF059611.D (-70) (-)

Ion 66.00 (65.70 to 66.70): VF059611.D (-70) (-)





#7

Trichlorofluoromethane

Concen: 11.84 ug/l

RT: 1.49 min Scan# 97

Delta R.T. -0.05 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Instrument :

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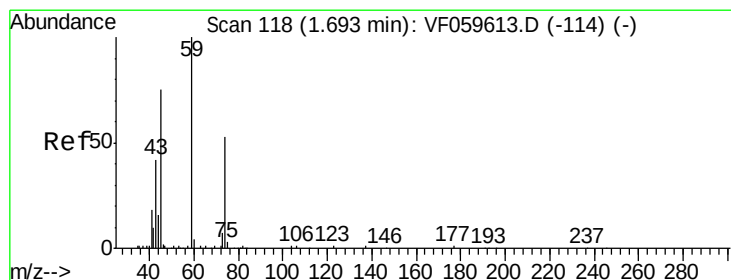
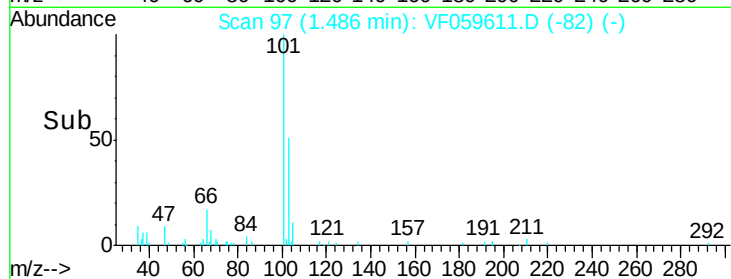
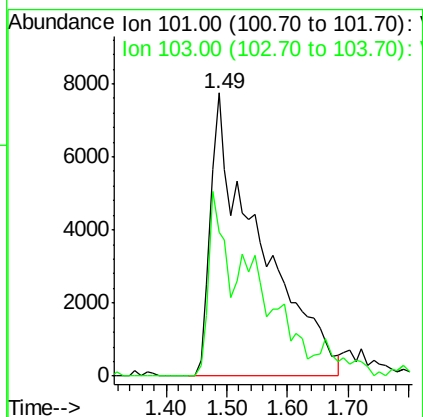
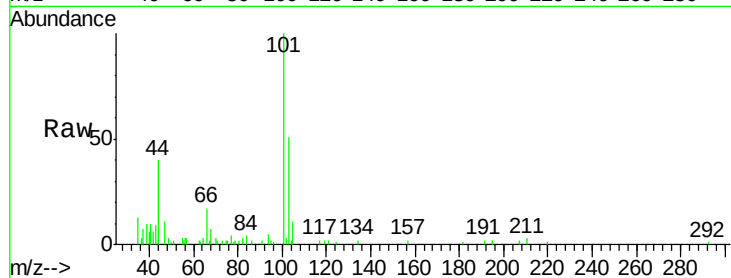
VSTDIC010

Tot Ion:101 Resp: 42923

Ion Ratio Lower Upper

101 100

103 50.8 48.2 72.4



#8

Diethyl Ether

Concen: 8.99 ug/l

RT: 1.69 min Scan# 118

Delta R.T. 0.00 min

Lab File: VF059611.D

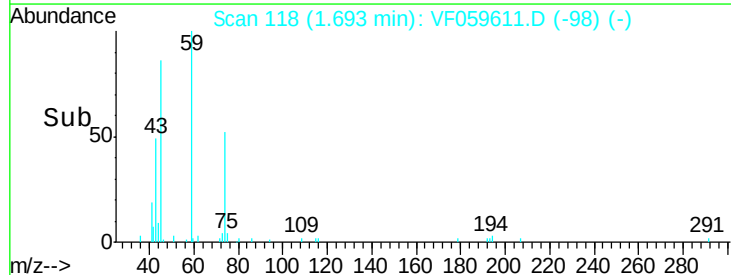
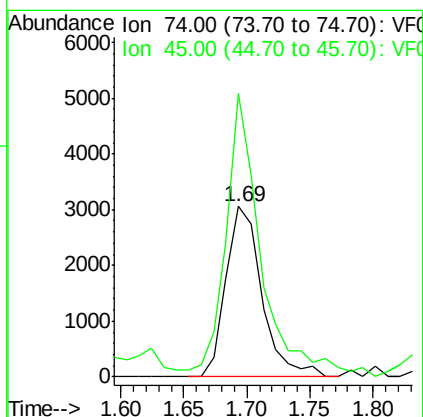
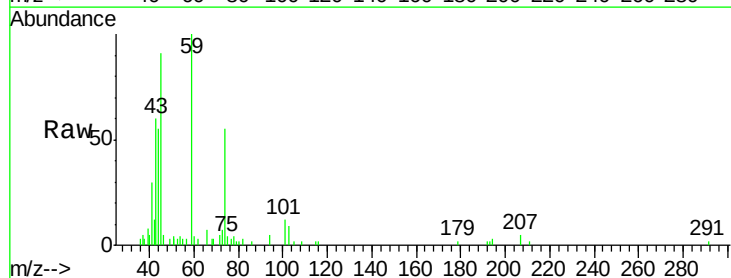
Acq: 23 Jul 2018 13:23

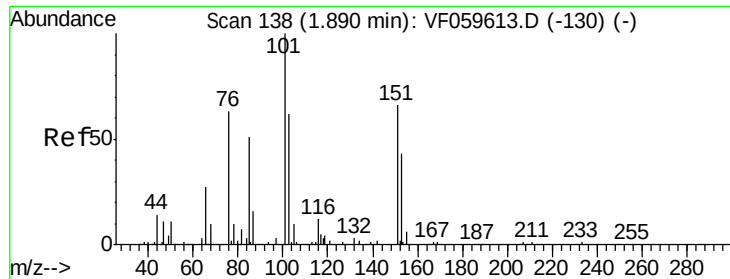
Tgt Ion: 74 Resp: 6027

Ion Ratio Lower Upper

74 100

45 166.2 72.0 215.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 12.82 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

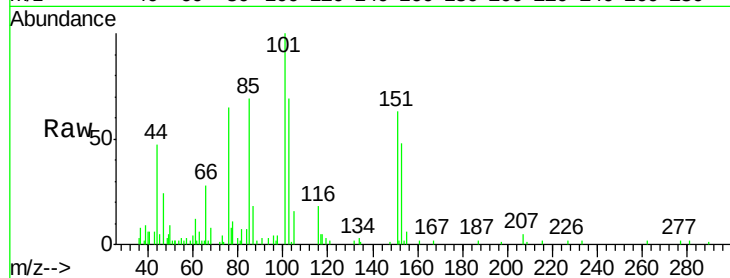
Tot Ion:101 Resp: 23207

Ion Ratio Lower Upper

101 100

85 68.8 40.2 60.2#

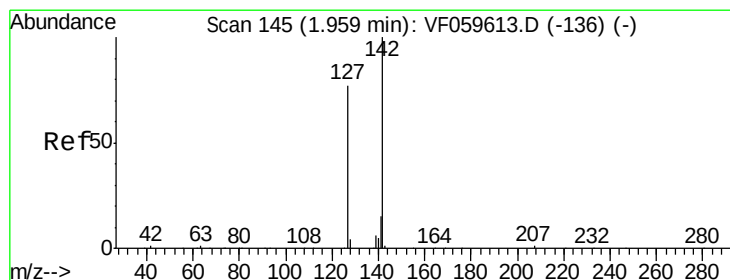
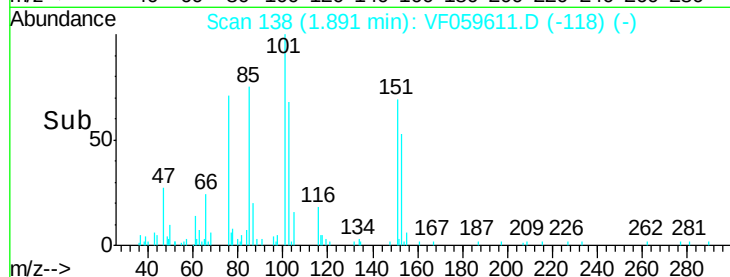
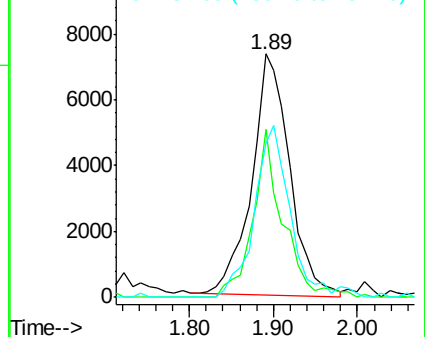
151 63.4 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70):

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70):



#10

Methyl Iodide

Concen: 12.62 ug/l

RT: 1.96 min Scan# 145

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

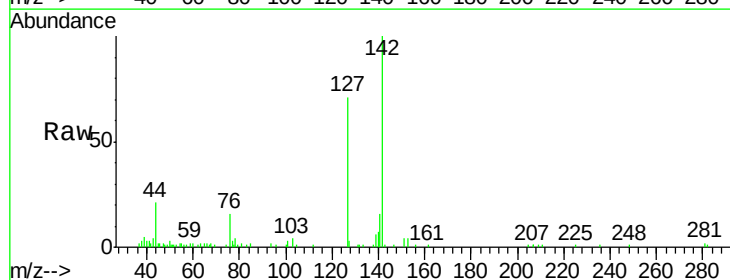
Tgt Ion:142 Resp: 39132

Ion Ratio Lower Upper

142 100

127 73.9 61.2 91.8

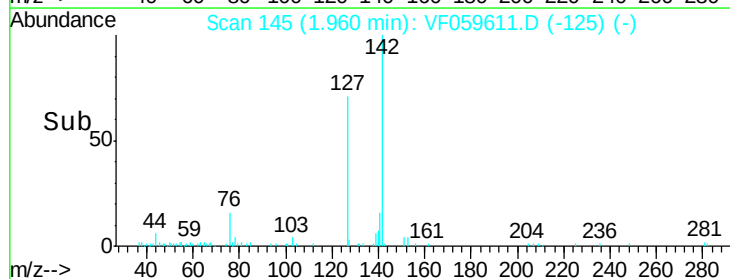
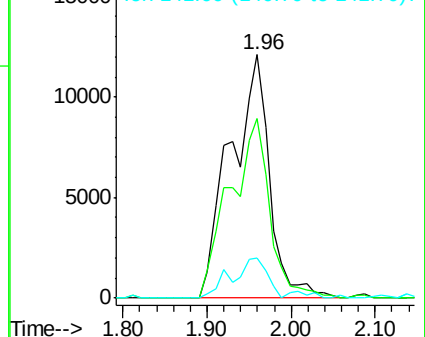
141 16.4 12.0 18.0

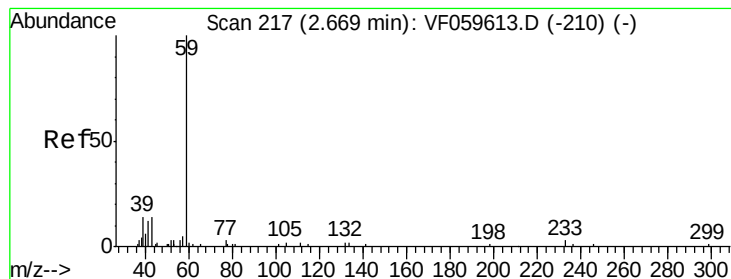


Abundance Ion 142.00 (141.70 to 142.70):

Ion 127.00 (126.70 to 127.70):

Ion 141.00 (140.70 to 141.70):





#11

Tert butyl alcohol

Concen: 51.78 ug/l

RT: 2.68 min Scan# 218

Delta R.T. 0.01 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_F

ClientSampleId :

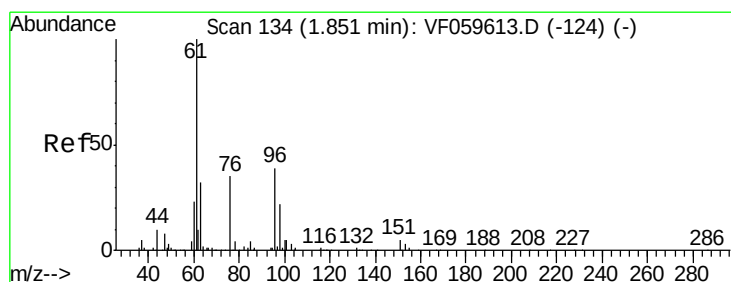
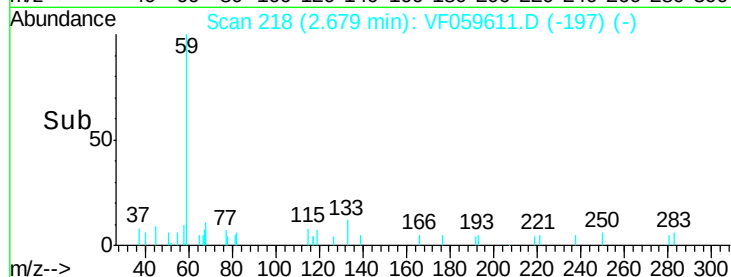
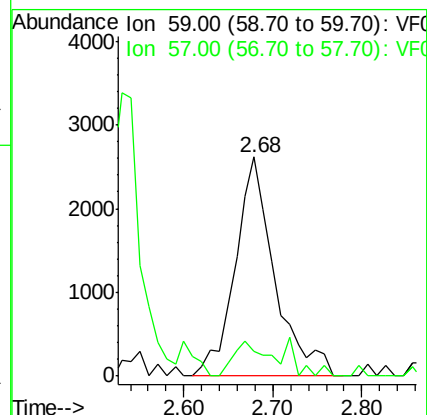
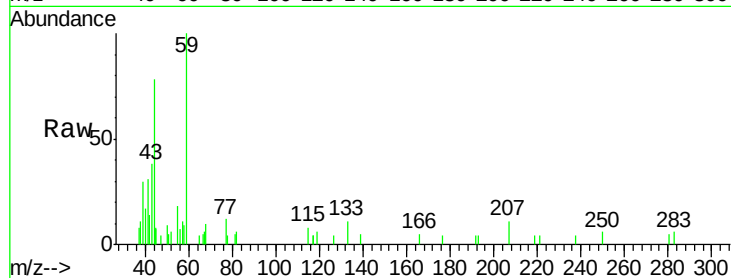
VSTDIC010

Tot Ion: 59 Resp: 8071

Ion Ratio Lower Upper

59 100

57 11.1 8.6 12.8



#12

1,1-Dichloroethene

Concen: 10.34 ug/l

RT: 1.85 min Scan# 134

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

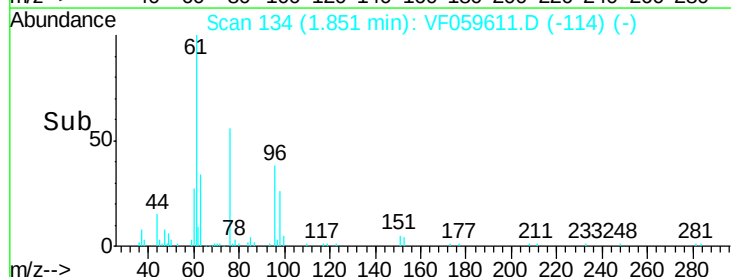
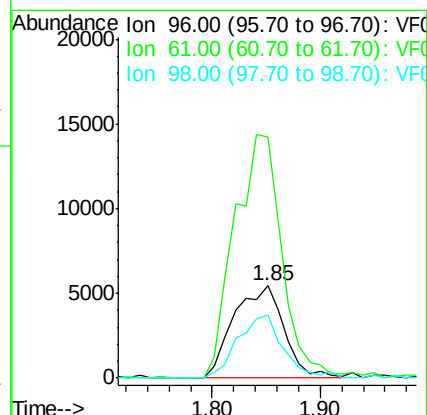
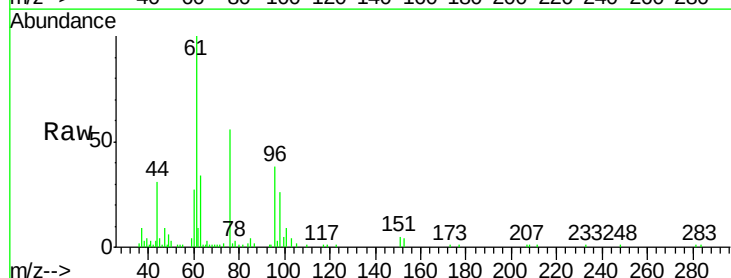
Tgt Ion: 96 Resp: 17623

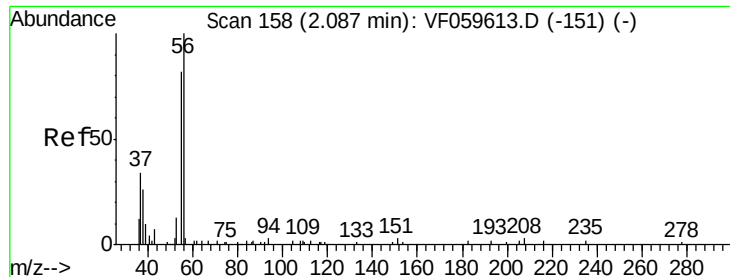
Ion Ratio Lower Upper

96 100

61 260.9 207.2 310.8

98 67.6 45.5 68.3





#13

Acrolein

Concen: 37.43 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_F

ClientSampleId :

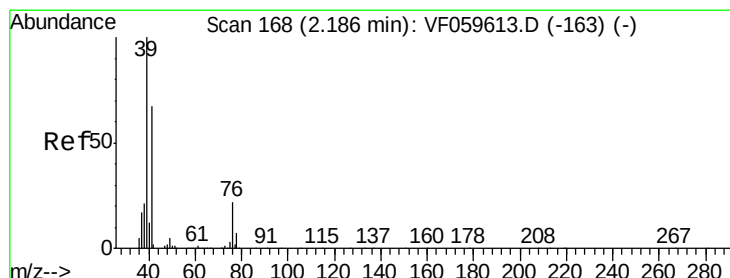
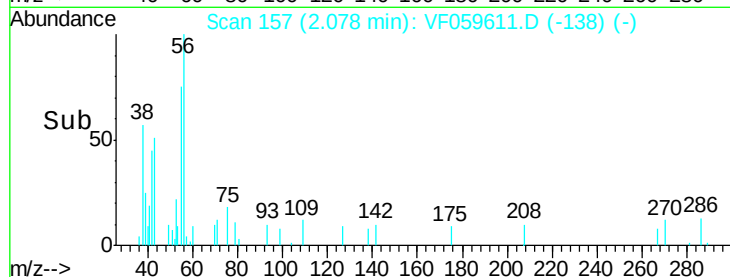
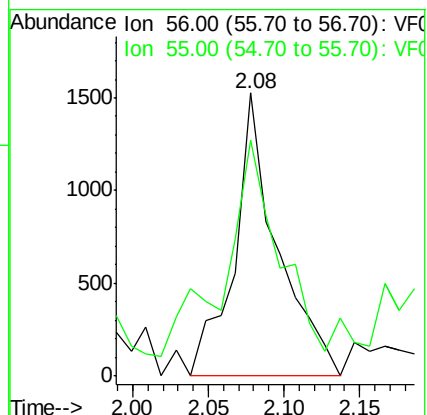
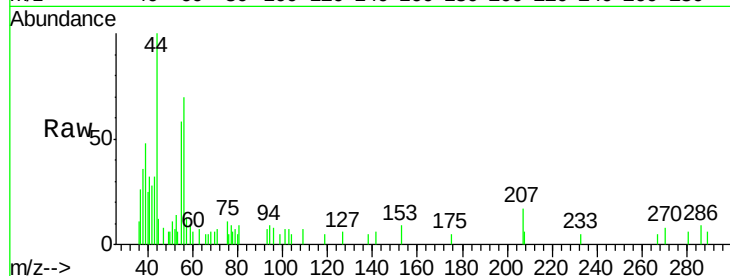
VSTDIC010

Tot Ion: 56 Resp: 3013

Ion Ratio Lower Upper

56 100

55 83.3 65.6 98.4



#14

Allyl chloride

Concen: 11.95 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

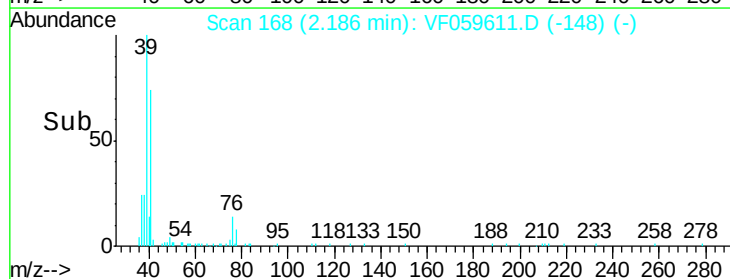
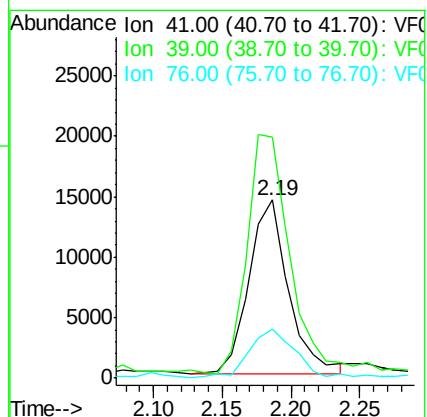
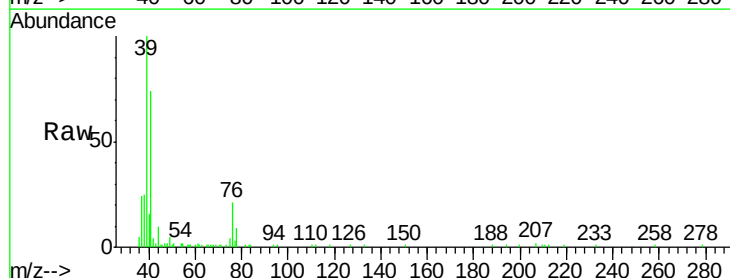
Tgt Ion: 41 Resp: 29343

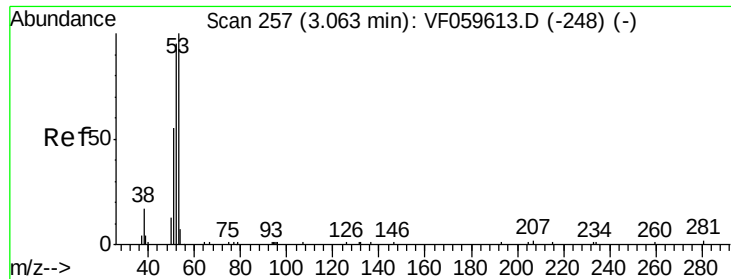
Ion Ratio Lower Upper

41 100

39 135.1 119.0 178.4

76 27.8 26.3 39.5

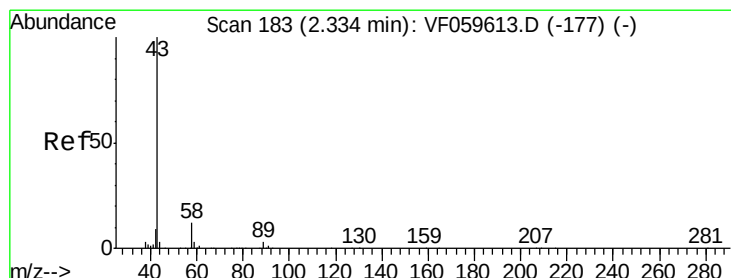
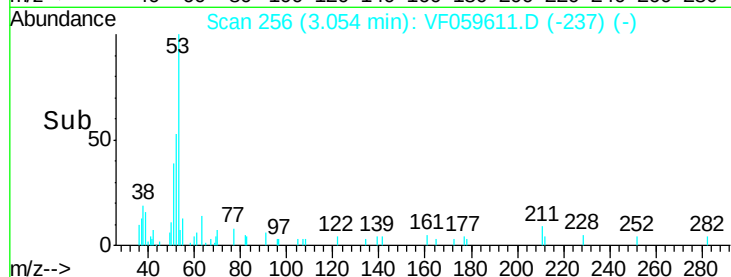
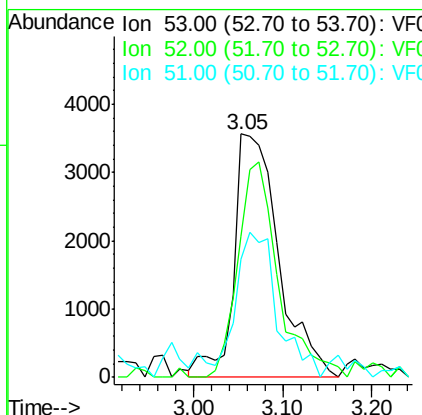
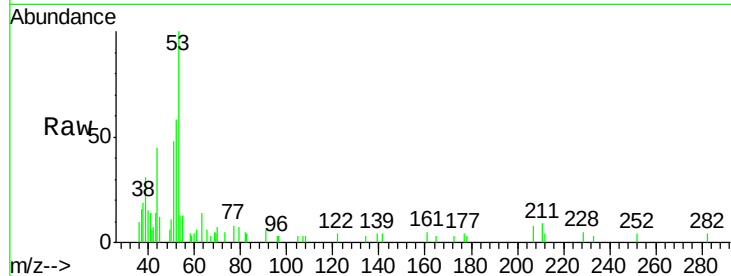




#15
 Acrylonitrile
 Concen: 46.09 ug/l
 RT: 3.05 min Scan# 256
 Delta R.T. -0.01 min
 Lab File: VF059611.D
 Acq: 23 Jul 2018 13:23

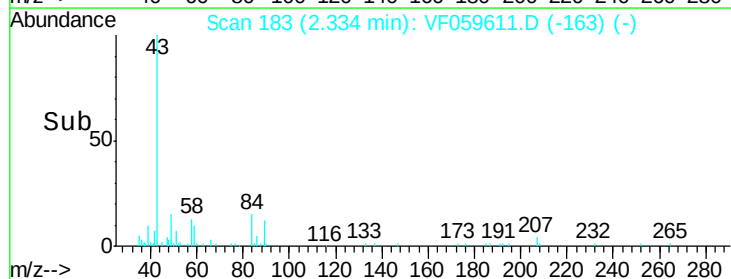
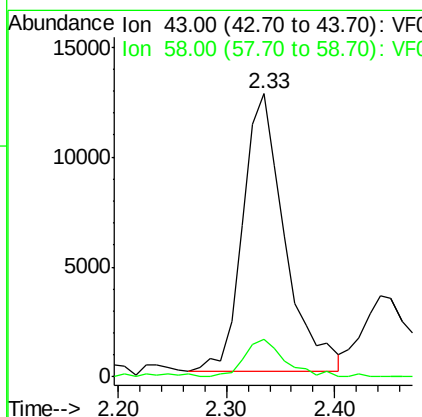
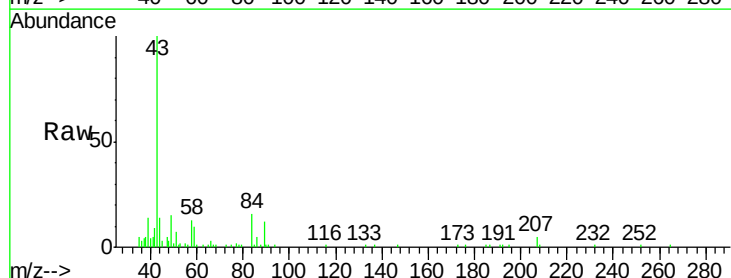
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

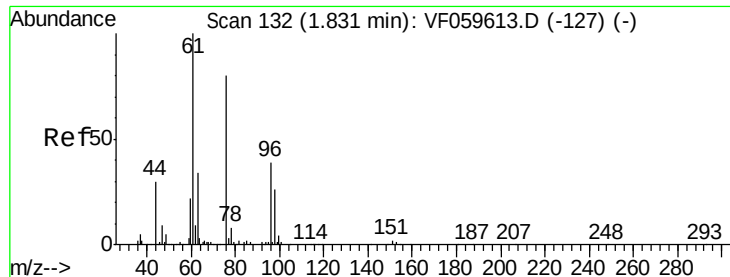
Tot Ion	53	Resp	12518
Ion Ratio	Lower	Upper	
53	100		
52	58.2	76.2	114.2#
51	48.4	45.8	68.8



#16
 Acetone
 Concen: 56.56 ug/l
 RT: 2.33 min Scan# 183
 Delta R.T. 0.00 min
 Lab File: VF059611.D
 Acq: 23 Jul 2018 13:23

Tgt Ion	43	Resp	34117
Ion Ratio	Lower	Upper	
43	100		
58	13.2	9.8	14.8





#17

Carbon Disulfide

Concen: 11.92 ug/l

RT: 1.86 min Scan# 135

Delta R.T. 0.03 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_F

ClientSampleId :

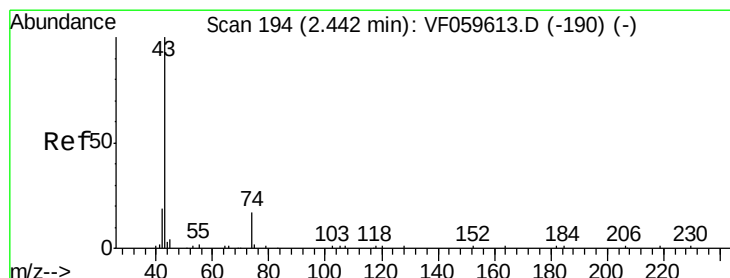
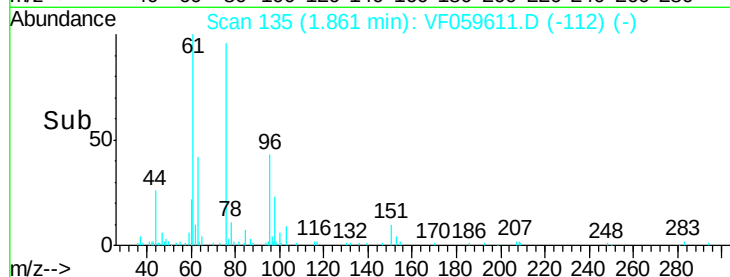
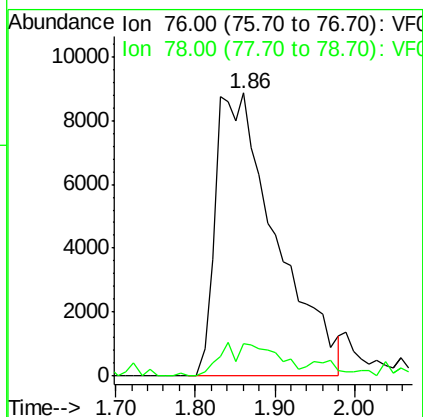
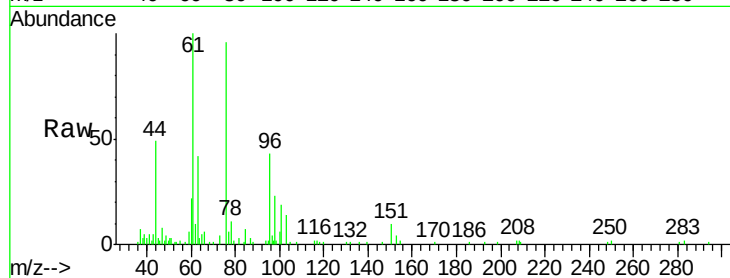
VSTDIC010

Tot Ion: 76 Resp: 46837

Ion Ratio Lower Upper

76 100

78 11.5 7.7 11.5



#18

Methyl Acetate

Concen: 14.02 ug/l

RT: 2.53 min Scan# 203

Delta R.T. 0.09 min

Lab File: VF059611.D

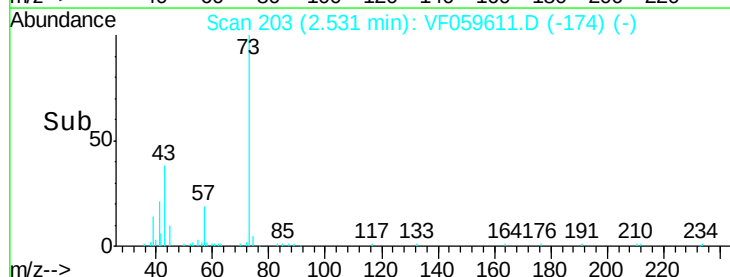
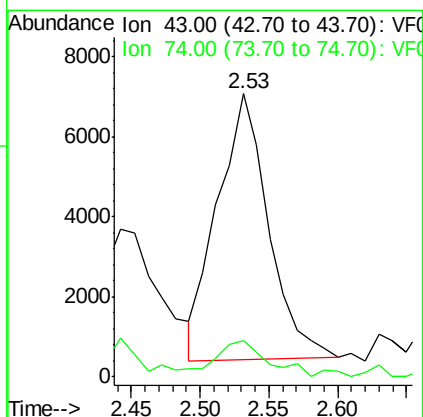
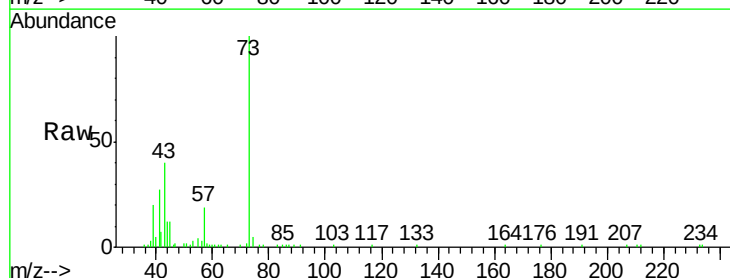
Acq: 23 Jul 2018 13:23

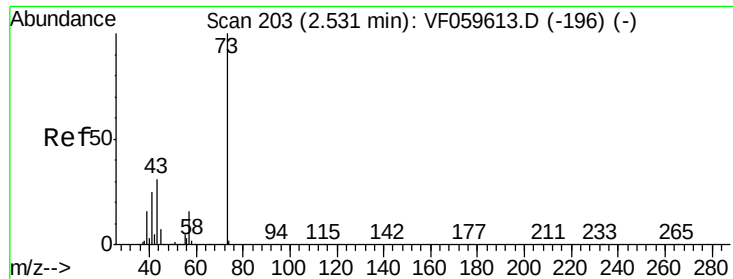
Tgt Ion: 43 Resp: 17104

Ion Ratio Lower Upper

43 100

74 13.0 11.4 17.0



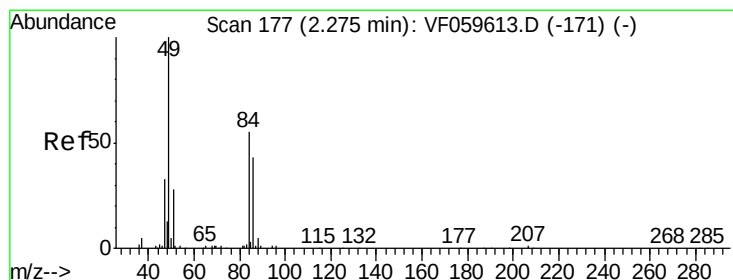
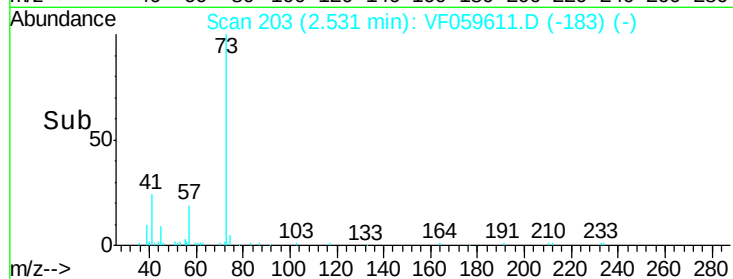
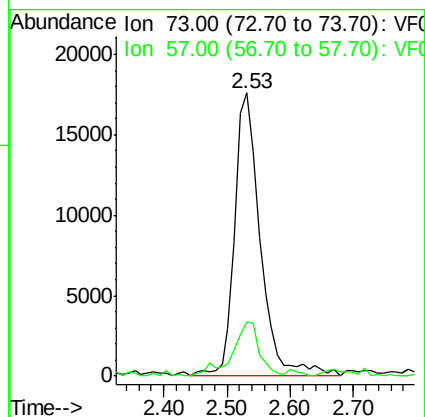
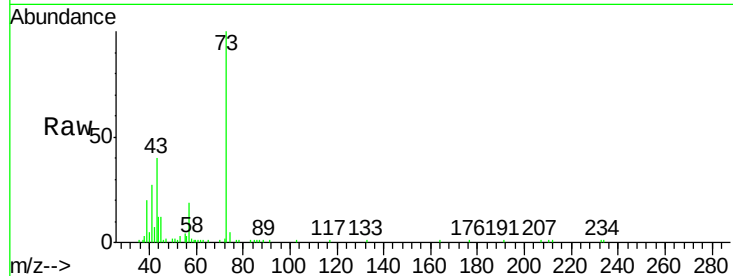


#19

Methyl tert-butyl Ether
 Concen: 9.61 ug/l
 RT: 2.53 min Scan# 203
 Delta R.T. 0.00 min
 Lab File: VF059611.D
 Acq: 23 Jul 2018 13:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

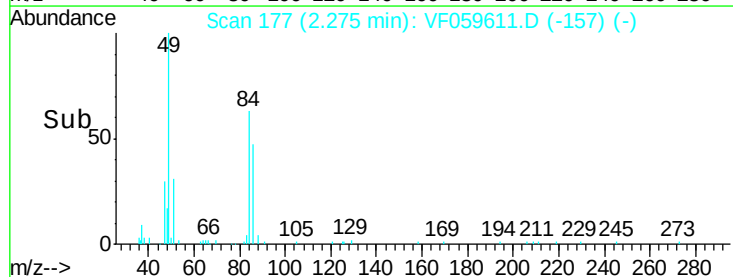
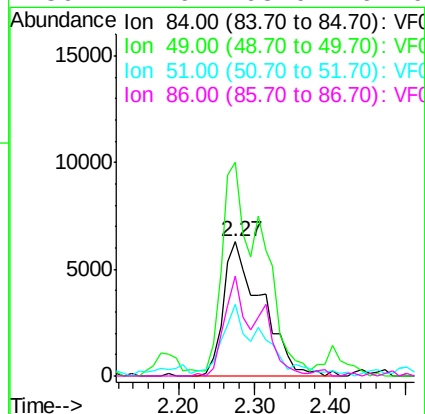
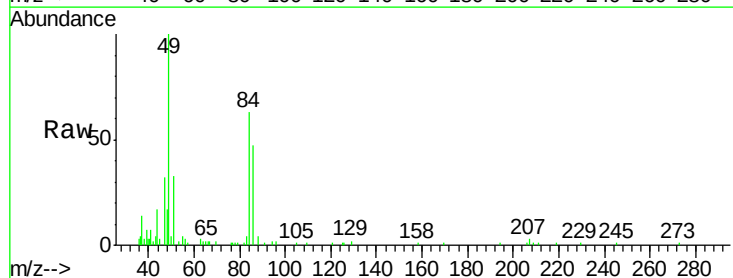
Tot Ion: 73 Resp: 49707
 Ion Ratio Lower Upper
 73 100
 57 19.2 13.2 19.8

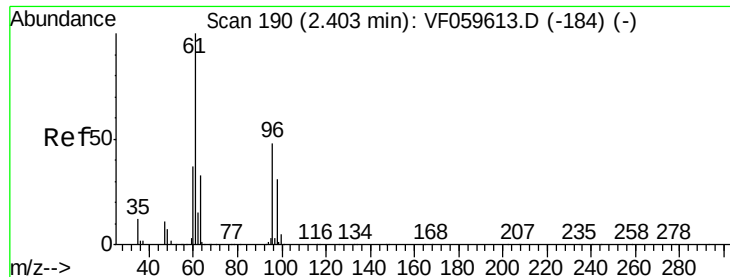


#20

Methylene Chloride
 Concen: 11.46 ug/l
 RT: 2.27 min Scan# 177
 Delta R.T. 0.00 min
 Lab File: VF059611.D
 Acq: 23 Jul 2018 13:23

Tgt Ion: 84 Resp: 22211
 Ion Ratio Lower Upper
 84 100
 49 159.1 148.6 222.8
 51 53.3 42.7 64.1
 86 74.6 63.0 94.6





#21

trans-1,2-Dichloroethene

Concen: 11.47 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.01 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

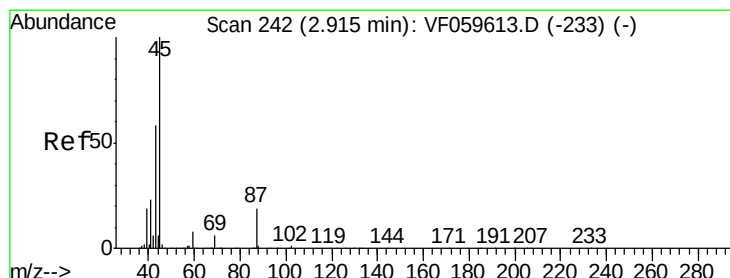
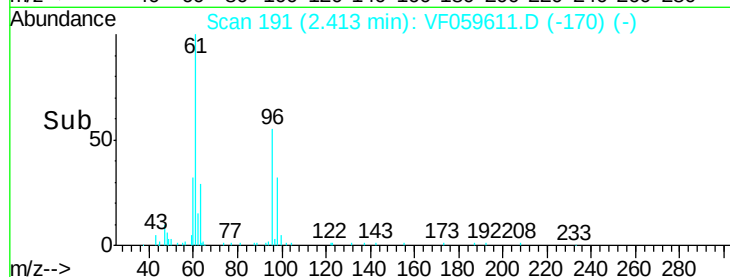
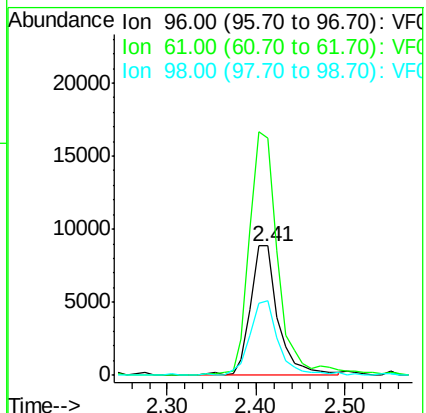
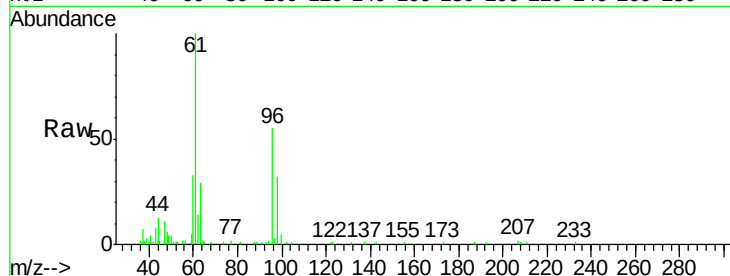
Tot Ion: 96 Resp: 18988

Ion Ratio Lower Upper

96 100

61 183.2 167.0 250.6

98 57.9 51.8 77.8



#22

Diisopropyl ether

Concen: 9.79 ug/l

RT: 2.92 min Scan# 242

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Tgt Ion: 45 Resp: 57495

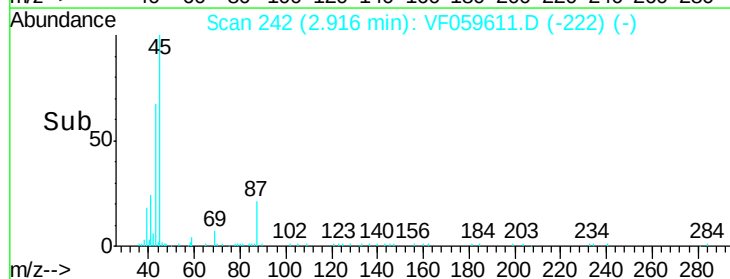
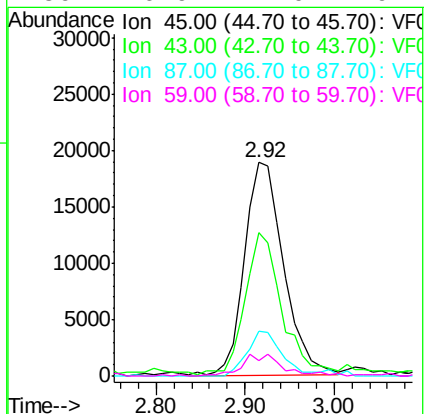
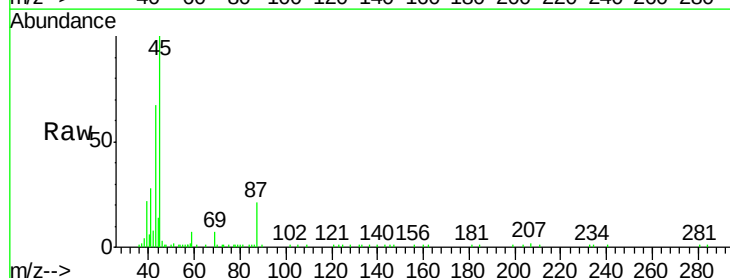
Ion Ratio Lower Upper

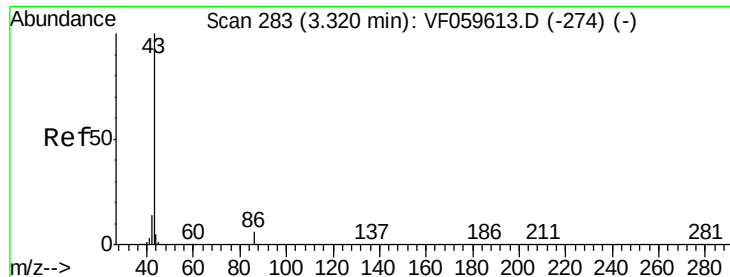
45 100

43 67.2 46.7 70.1

87 20.8 15.0 22.6

59 6.9 7.0 10.4#





#23

Vinyl Acetate

Concen: 44.10 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.01 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_F

ClientSampleId :

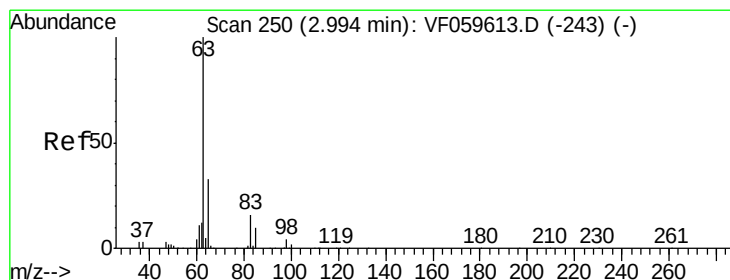
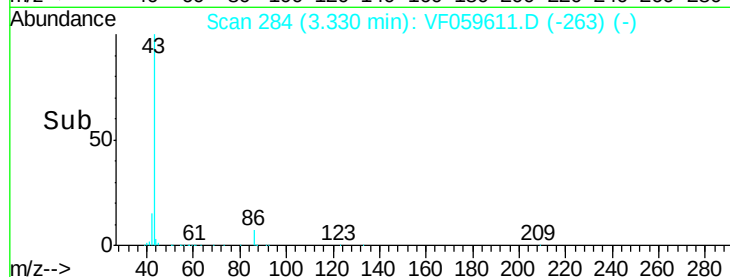
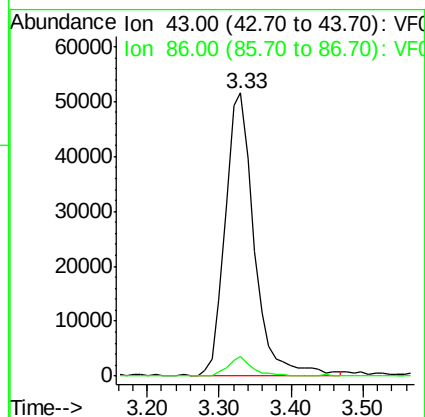
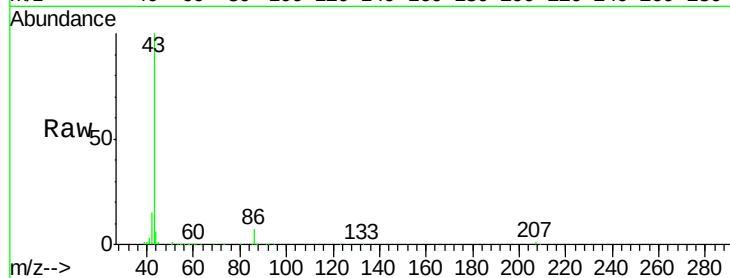
VSTDIC010

Tot Ion: 43 Resp: 144682

Ion Ratio Lower Upper

43 100

86 6.9 4.6 6.8#



#24

1,1-Dichloroethane

Concen: 10.91 ug/l

RT: 2.99 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

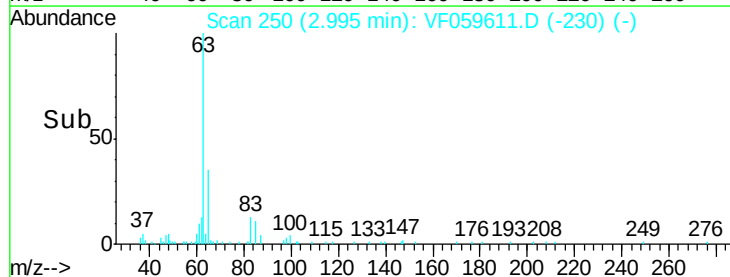
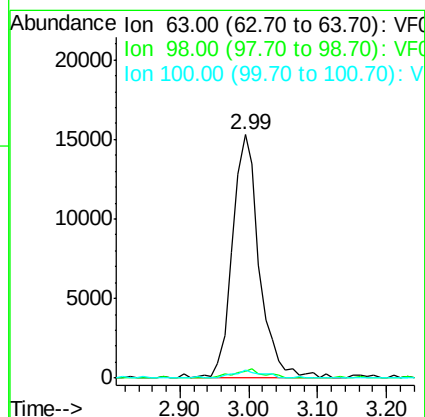
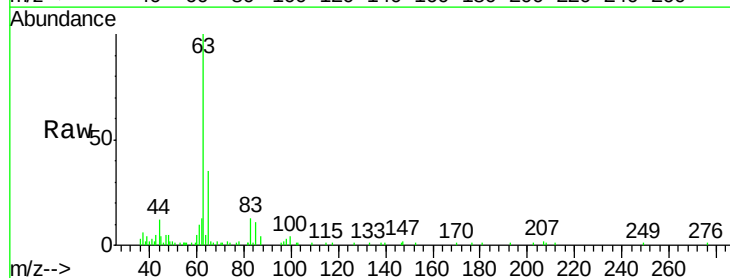
Tgt Ion: 63 Resp: 41379

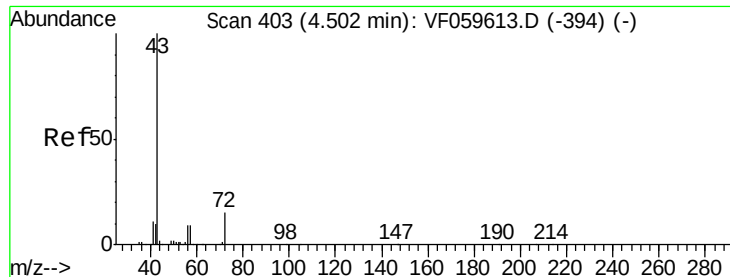
Ion Ratio Lower Upper

63 100

98 3.0 1.9 5.7

100 3.6 1.2 3.6





#25

2-Butanone

Concen: 43.30 ug/l

RT: 4.50 min Scan# 403

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_F

ClientSampleId :

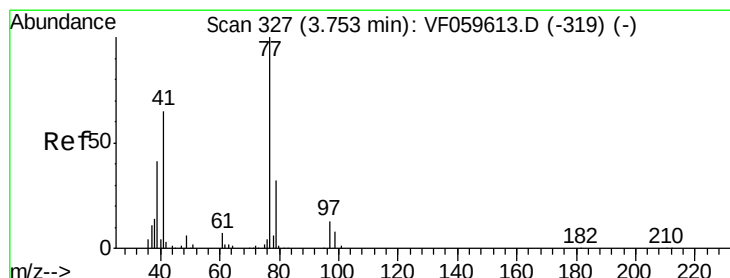
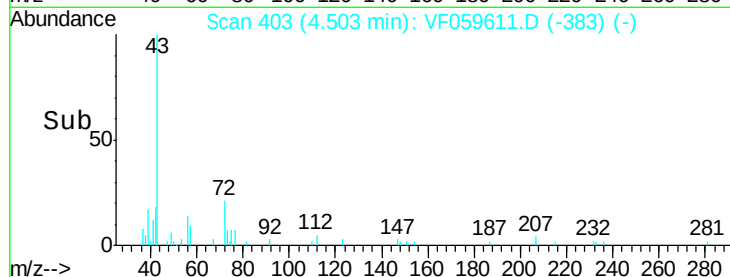
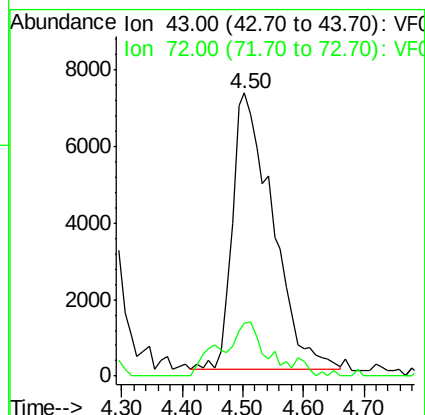
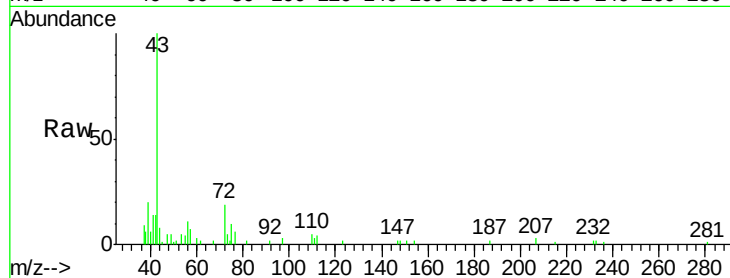
VSTDIC010

Tot Ion: 43 Resp: 33196

Ion Ratio Lower Upper

43 100

72 18.8 12.9 19.3



#26

2,2-Dichloropropane

Concen: 13.30 ug/l

RT: 3.76 min Scan# 328

Delta R.T. 0.01 min

Lab File: VF059611.D

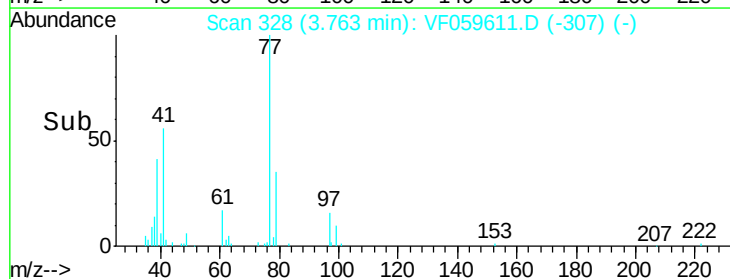
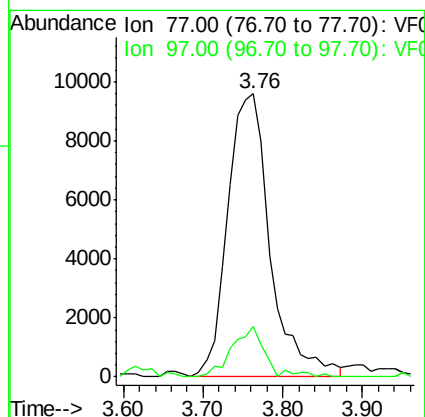
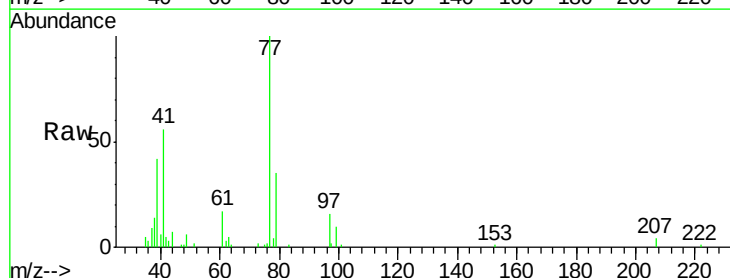
Acq: 23 Jul 2018 13:23

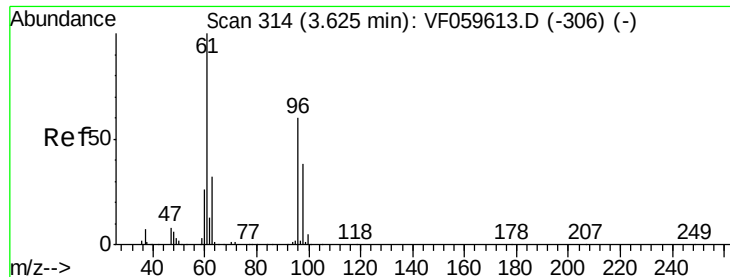
Tgt Ion: 77 Resp: 35838

Ion Ratio Lower Upper

77 100

97 17.8 7.1 21.3





#27

cis-1,2-Dichloroethene

Concen: 10.74 ug/l

RT: 3.63 min Scan# 314

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Instrument :

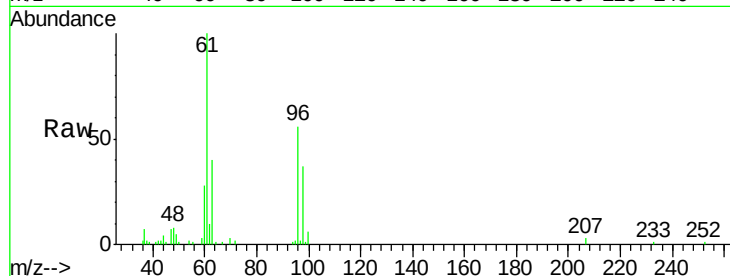
MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 96 Resp: 20167

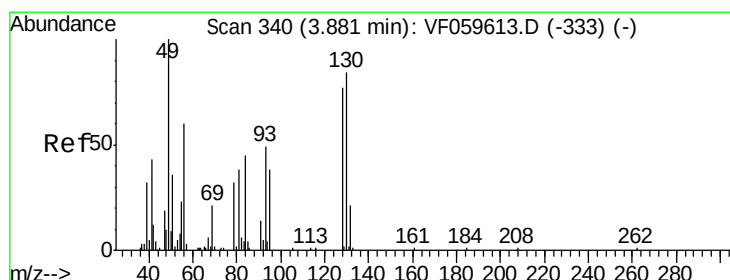
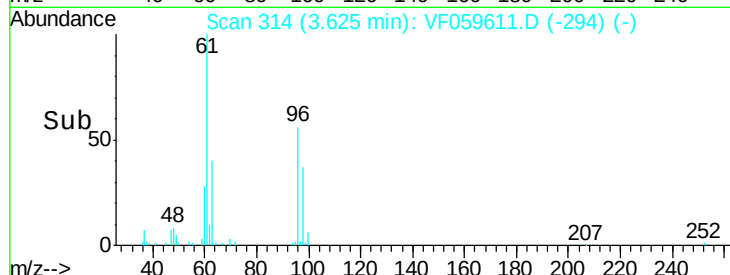
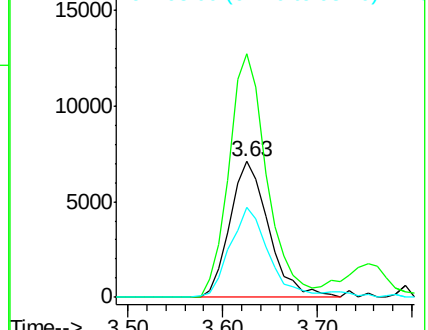
Ion	Ratio	Lower	Upper
96	100		
61	179.4	0.0	335.2
98	66.3	0.0	126.6



Abundance Ion 96.00 (95.70 to 96.70): VF059611.D (-294) (-)

Ion 61.00 (60.70 to 61.70): VF059611.D (-294) (-)

Ion 98.00 (97.70 to 98.70): VF059611.D (-294) (-)



#28

Bromochloromethane

Concen: 9.55 ug/l

RT: 3.88 min Scan# 340

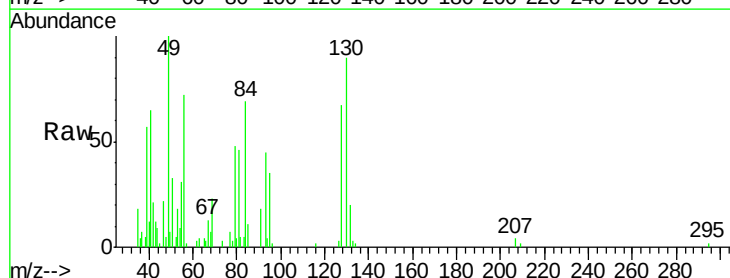
Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Tgt Ion: 49 Resp: 14890

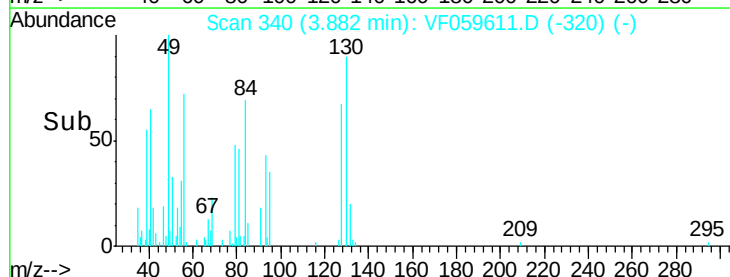
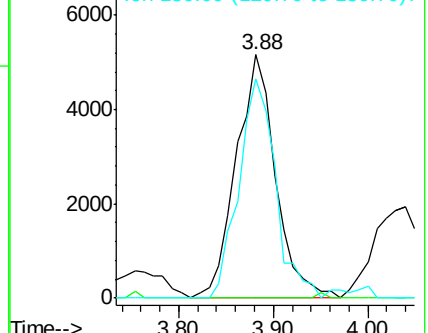
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.6
130	90.1	67.1	100.7

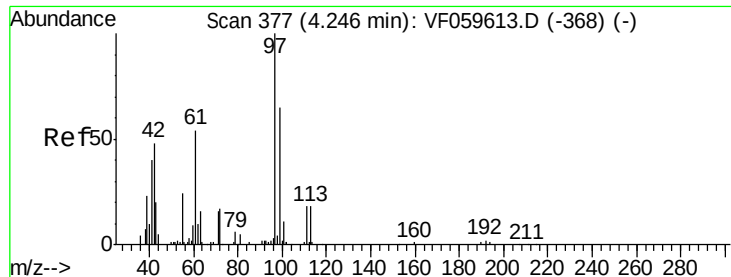


Abundance Ion 49.00 (48.70 to 49.70): VF059611.D (-320) (-)

Ion 129.00 (128.70 to 129.70): VF059611.D (-320) (-)

Ion 130.00 (129.70 to 130.70): VF059611.D (-320) (-)

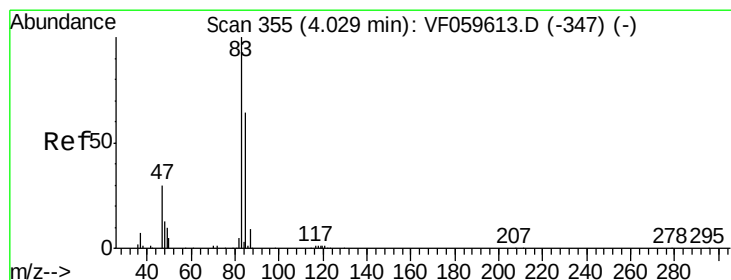
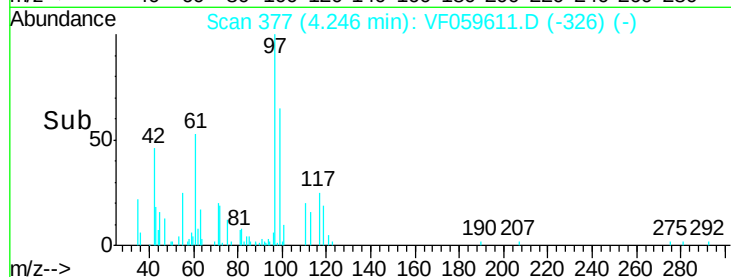
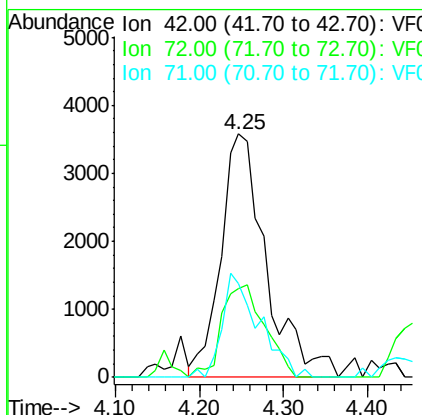
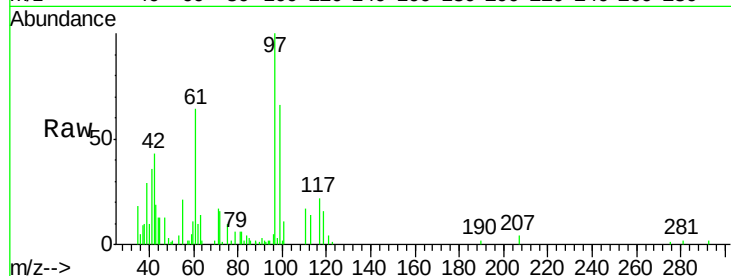




#29
Tetrahydrofuran
Concen: 40.30 ug/l
RT: 4.25 min Scan# 377
Delta R.T. 0.00 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

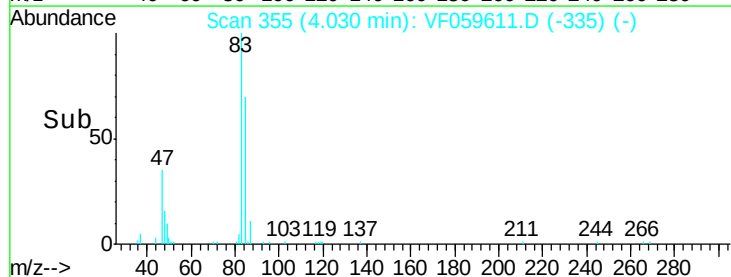
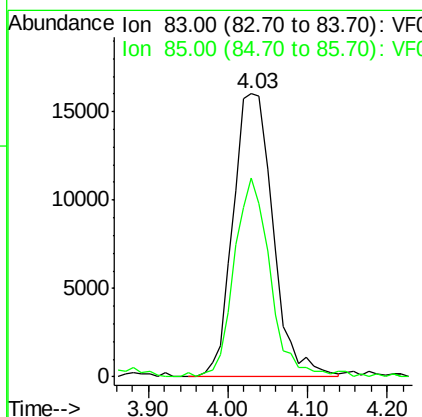
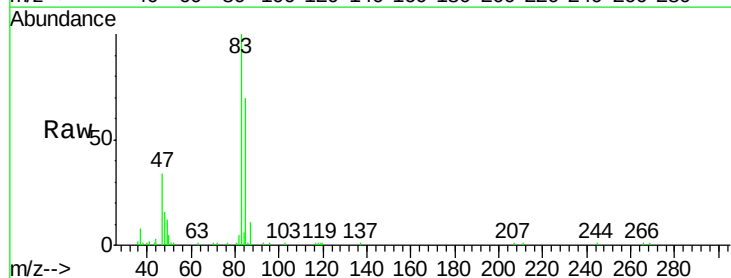
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

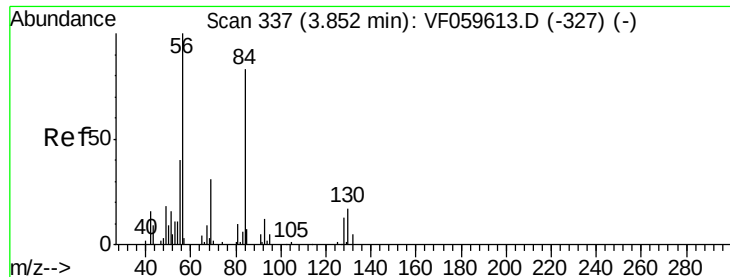
Tot Ion	Ratio	Lower	Upper
42	100		
72	36.1	27.9	41.9
71	35.0	29.3	43.9



#30
Chloroform
Concen: 10.41 ug/l
RT: 4.03 min Scan# 355
Delta R.T. 0.00 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	70.4	51.1	76.7





#31

Cyclohexane

Concen: 11.80 ug/l

RT: 3.87 min Scan# 339

Delta R.T. 0.02 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

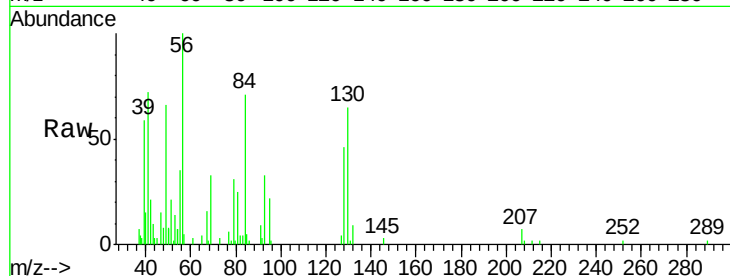
Tot Ion: 56 Resp: 24473

Ion Ratio Lower Upper

56 100

69 33.2 24.6 37.0

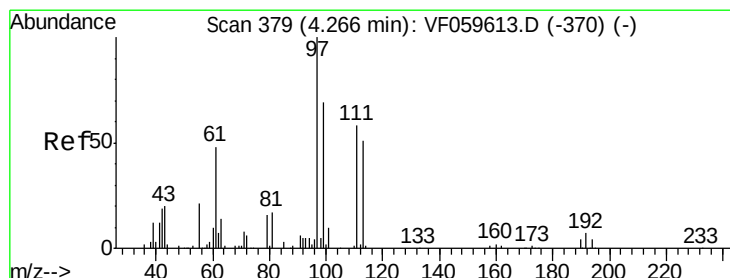
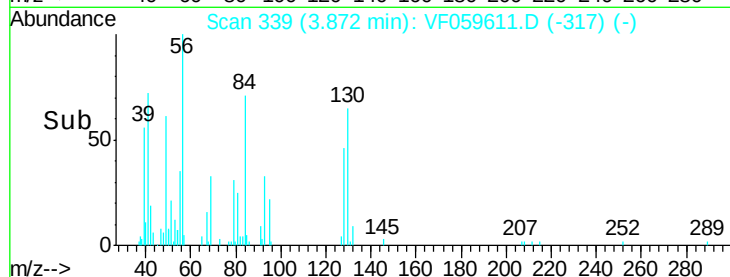
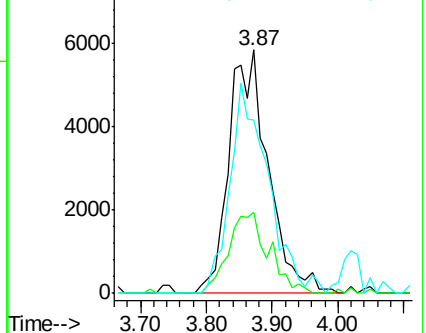
84 71.4 66.6 99.8



Abundance Ion 56.00 (55.70 to 56.70): VF059611.D (-317) (-)

Ion 69.00 (68.70 to 69.70): VF059611.D (-317) (-)

Ion 84.00 (83.70 to 84.70): VF059611.D (-317) (-)



#32

1,1,1-Trichloroethane

Concen: 13.70 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

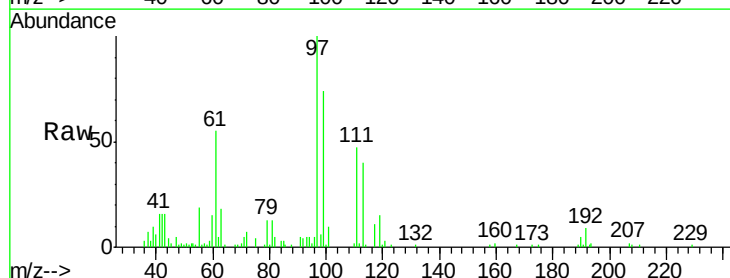
Tgt Ion: 97 Resp: 54376

Ion Ratio Lower Upper

97 100

99 74.1 55.4 83.2

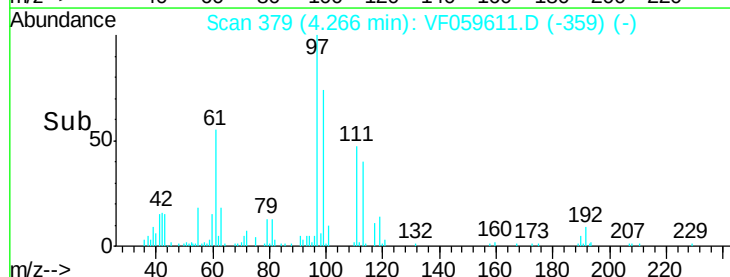
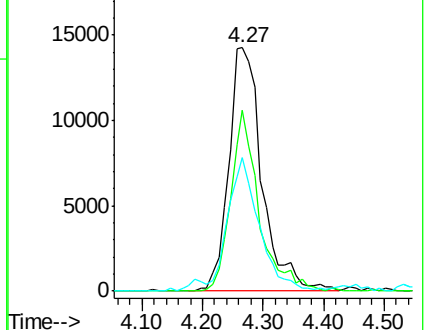
61 55.0 39.3 58.9

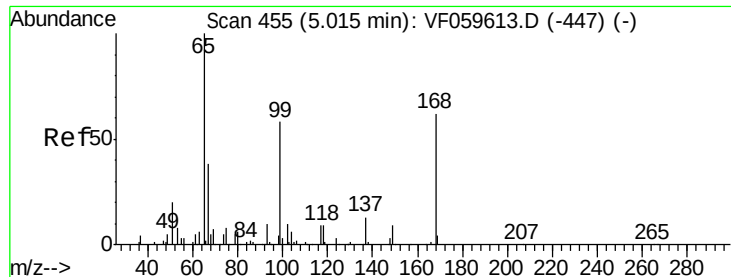


Abundance Ion 97.00 (96.70 to 97.70): VF059611.D (-359) (-)

Ion 99.00 (98.70 to 99.70): VF059611.D (-359) (-)

Ion 61.00 (60.70 to 61.70): VF059611.D (-359) (-)

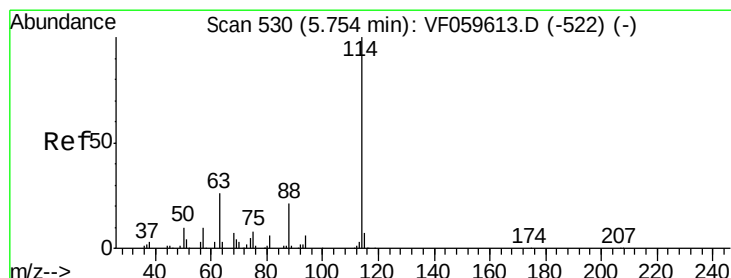
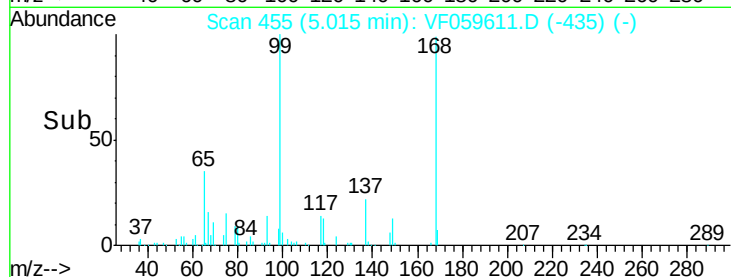
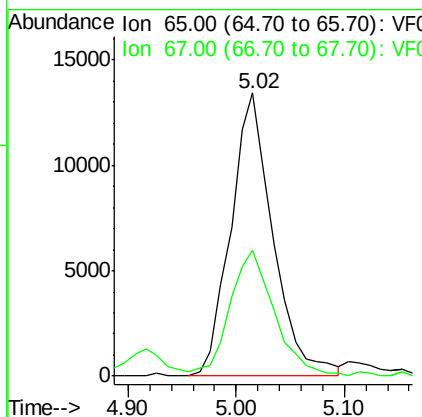
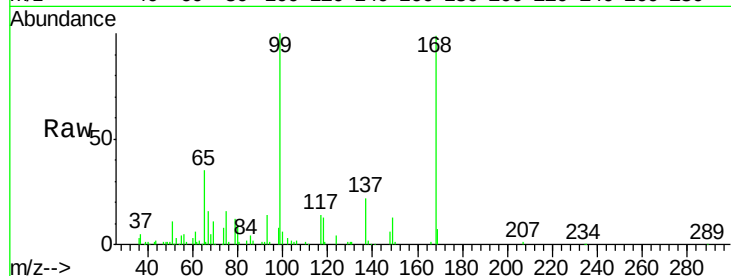




#33
 1,2-Dichloroethane-d4
 Concen: 10.05 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: VF059611.D
 Acq: 23 Jul 2018 13:23

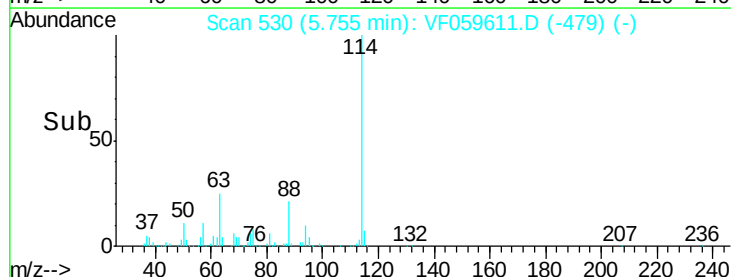
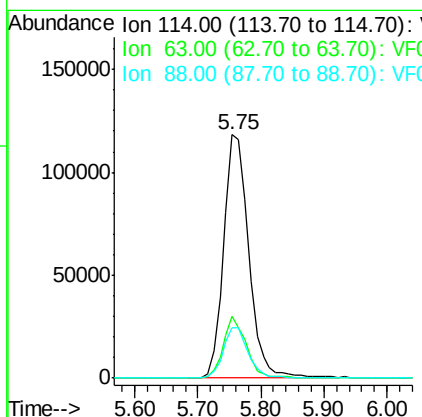
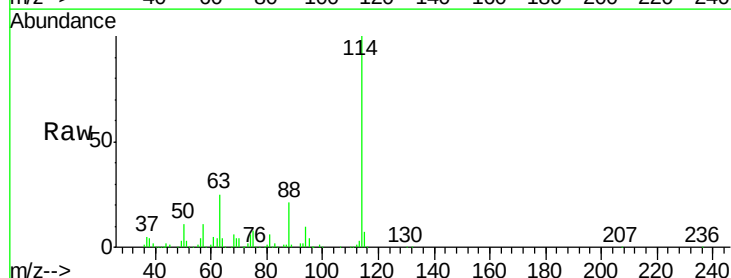
Instrument :
 MSVOA_F
 ClientSampled :
 VSTDIC010

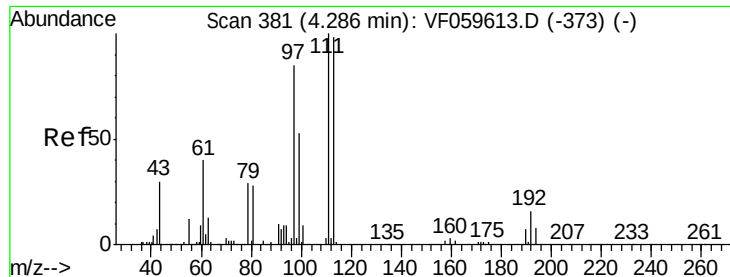
Tot Ion: 65 Resp: 36365
 Ion Ratio Lower Upper
 65 100
 67 44.6 0.0 83.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. 0.00 min
 Lab File: VF059611.D
 Acq: 23 Jul 2018 13:23

Tgt Ion: 114 Resp: 327315
 Ion Ratio Lower Upper
 114 100
 63 25.2 0.0 51.8
 88 20.8 0.0 42.8

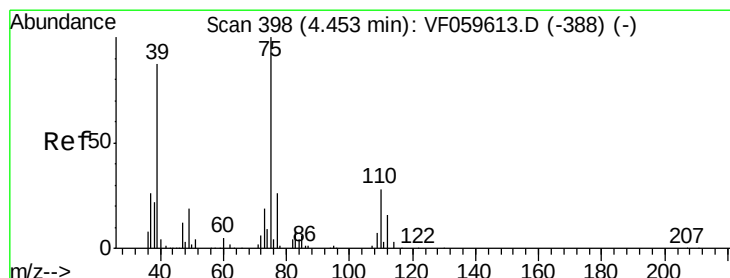
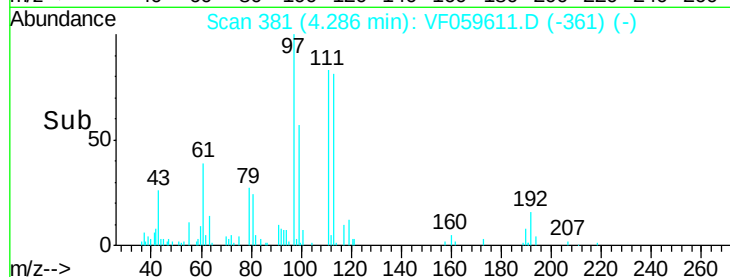
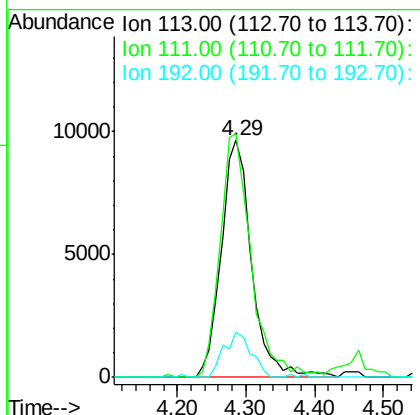
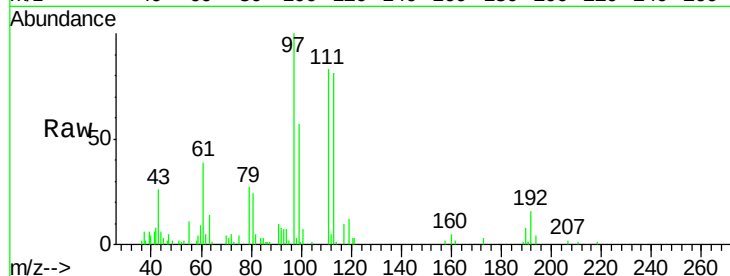




#35
 Dibromofluoromethane
 Concen: 10.25 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VF059611.D
 Acq: 23 Jul 2018 13:23

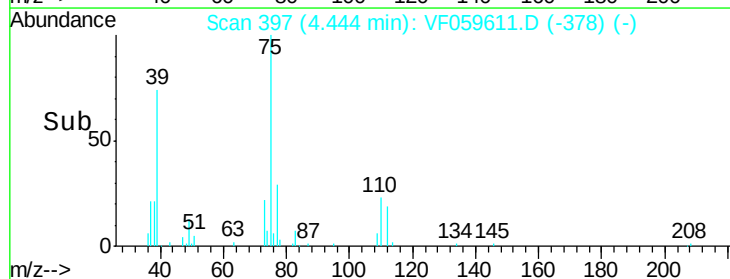
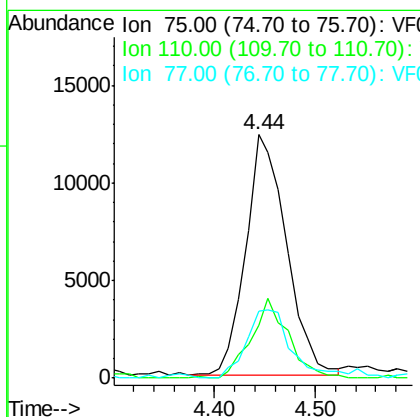
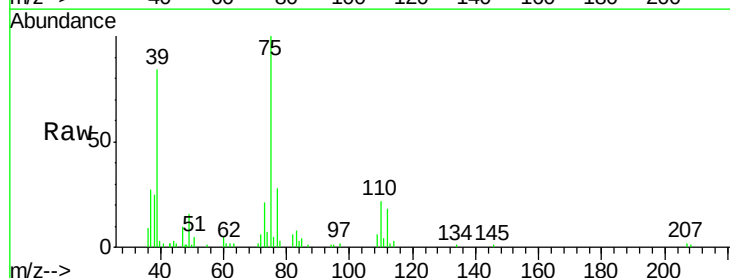
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

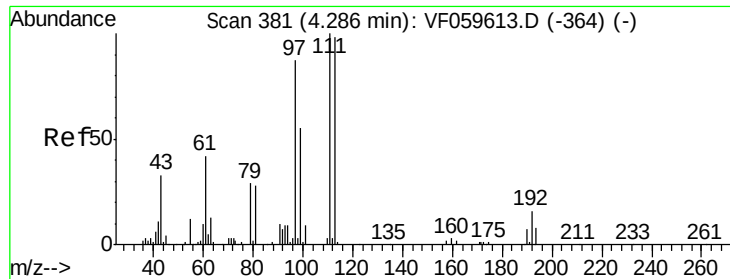
Tot Ion:113 Resp: 29536
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.5 122.3
 192 19.3 13.4 20.2



#36
 1,1-Dichloropropene
 Concen: 10.66 ug/l
 RT: 4.44 min Scan# 397
 Delta R.T. -0.01 min
 Lab File: VF059611.D
 Acq: 23 Jul 2018 13:23

Tgt Ion: 75 Resp: 34998
 Ion Ratio Lower Upper
 75 100
 110 21.6 14.2 42.6
 77 27.6 20.3 30.5

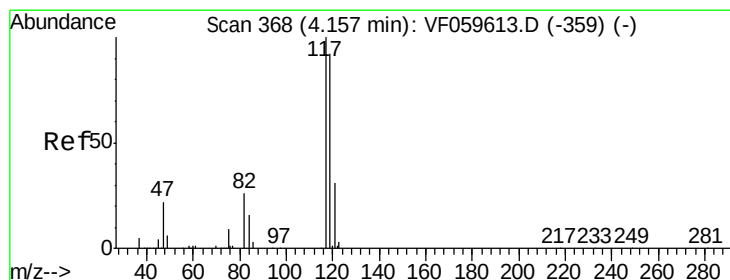
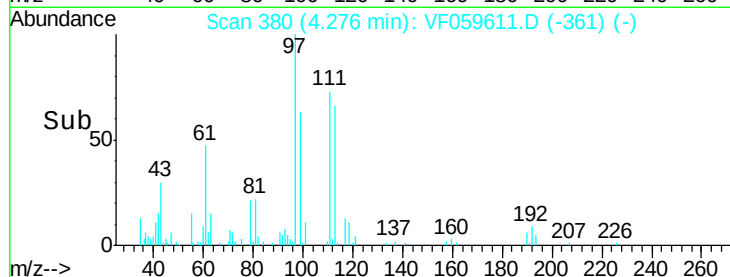
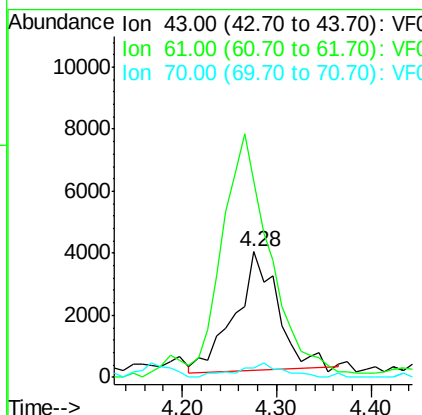
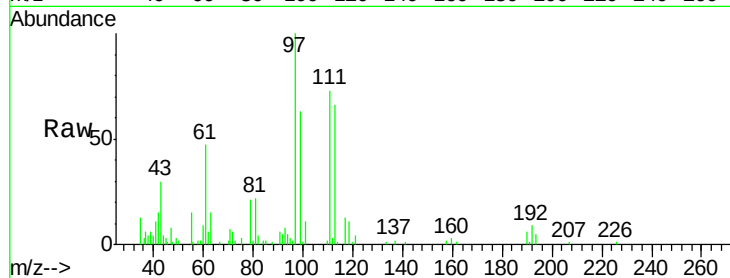




#37
Ethyl Acetate
Concen: 6.72 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

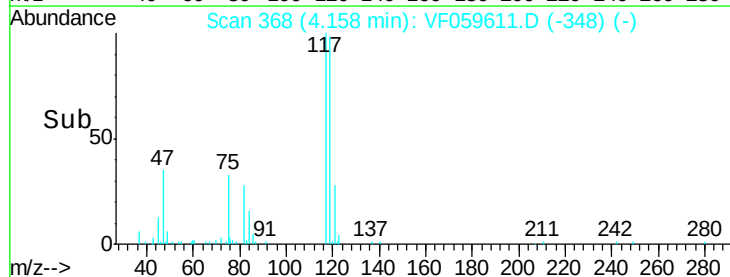
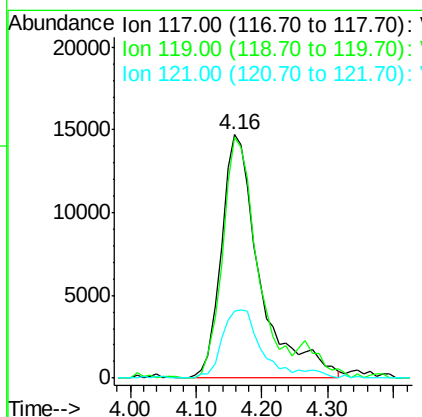
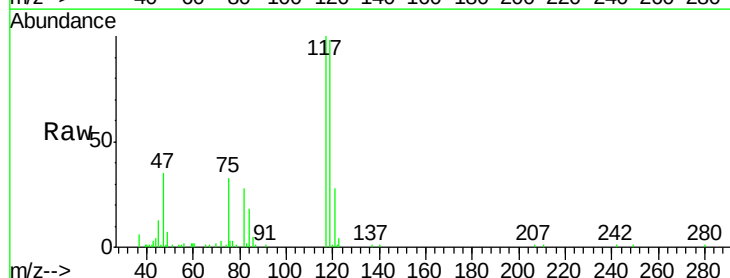
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

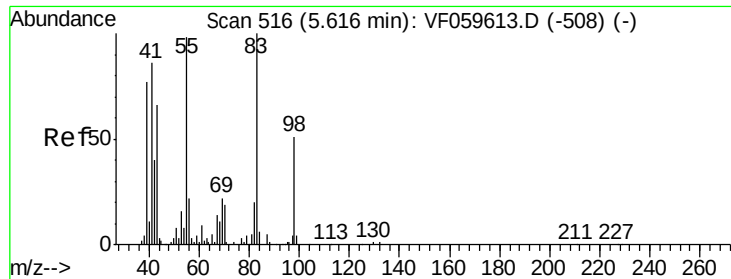
Tot Ion: 43 Resp: 11958
Ion Ratio Lower Upper
43 100
61 155.8 101.9 152.9#
70 7.8 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 13.77 ug/l
RT: 4.16 min Scan# 368
Delta R.T. 0.00 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

Tgt Ion: 117 Resp: 59990
Ion Ratio Lower Upper
117 100
119 99.1 74.2 111.4
121 27.5 24.7 37.1

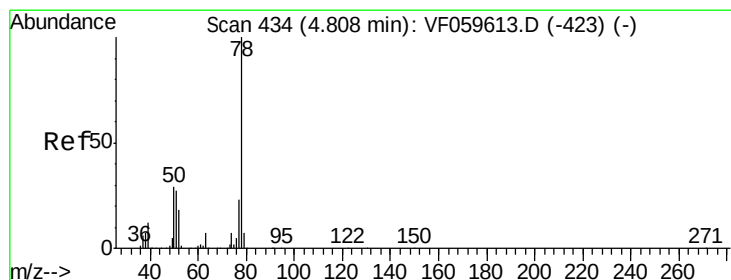
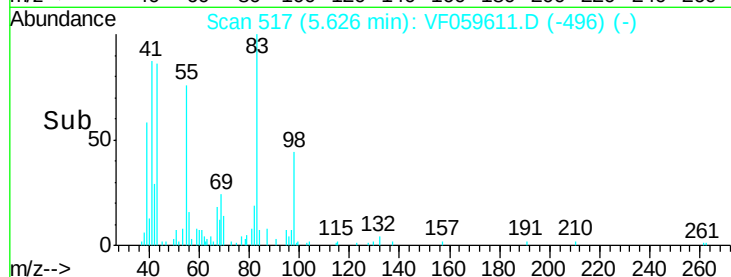
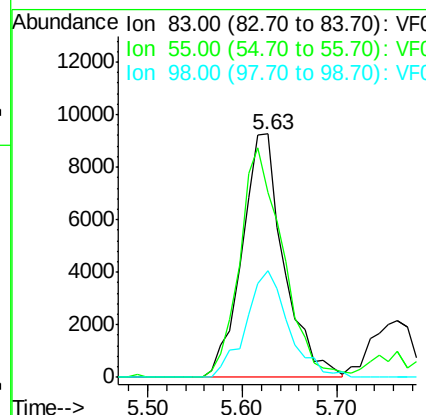
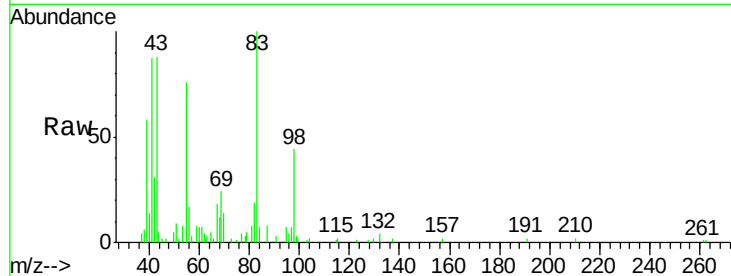




#39
Methylcyclohexane
Concen: 10.92 ug/l
RT: 5.63 min Scan# 517
Delta R.T. 0.01 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

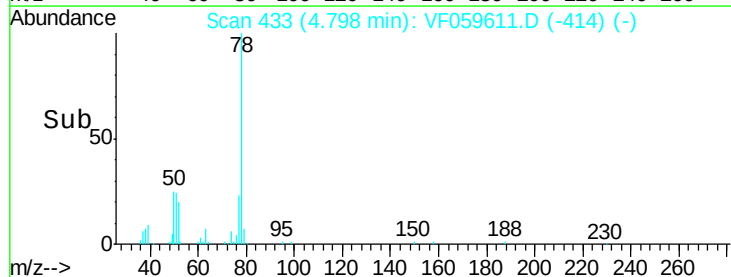
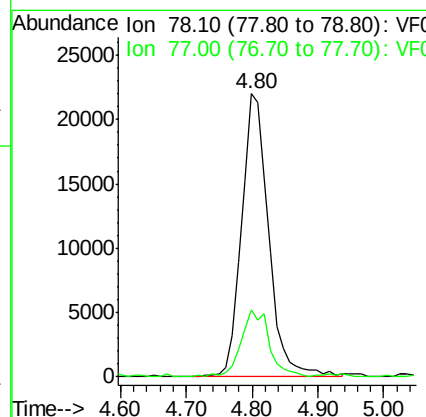
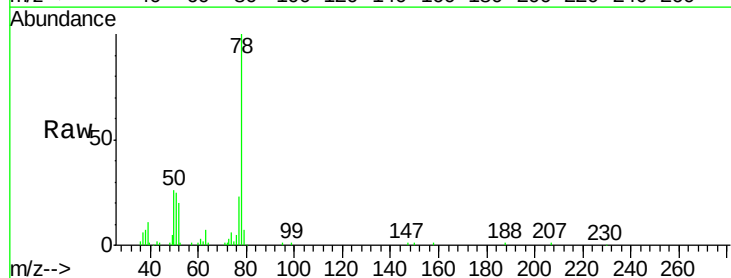
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

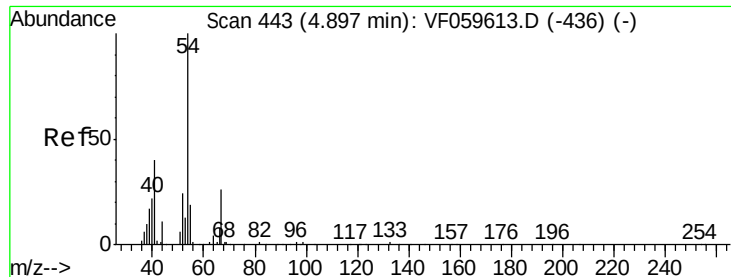
Tot Ion: 83 Resp: 28423
Ion Ratio Lower Upper
83 100
55 76.1 78.5 117.7#
98 44.1 41.1 61.7



#40
Benzene
Concen: 10.09 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

Tgt Ion: 78 Resp: 63763
Ion Ratio Lower Upper
78 100
77 23.5 18.4 27.6





#41

Methacrylonitrile

Concen: 7.46 ug/l

RT: 4.92 min Scan# 445

Delta R.T. 0.02 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 41 Resp: 6567

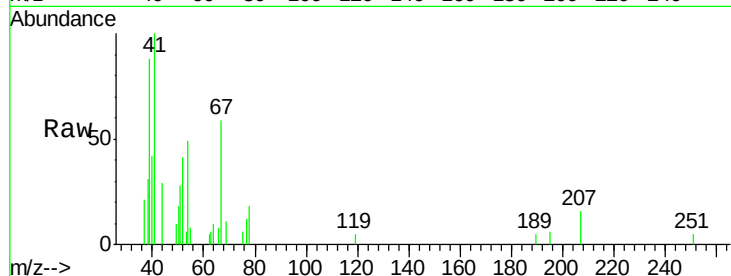
Ion Ratio Lower Upper

41 100

39 88.3 58.2 87.4#

67 59.4 51.0 76.6

52 41.1 80.1 120.1#



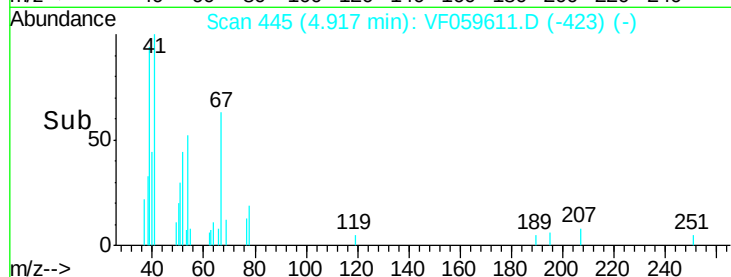
Abundance Ion 41.00 (40.70 to 41.70): VF059611.D (-423) (-)

Ion 39.00 (38.70 to 39.70): VF059611.D (-423) (-)

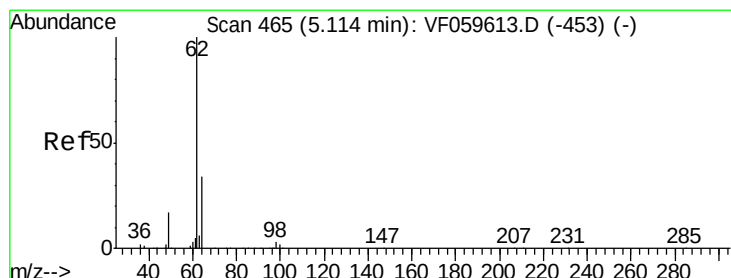
Ion 67.00 (66.70 to 67.70): VF059611.D (-423) (-)

Ion 52.00 (51.70 to 52.70): VF059611.D (-423) (-)

Time-->



Time-->



#42

1,2-Dichloroethane

Concen: 10.07 ug/l

RT: 5.10 min Scan# 464

Delta R.T. -0.01 min

Lab File: VF059611.D

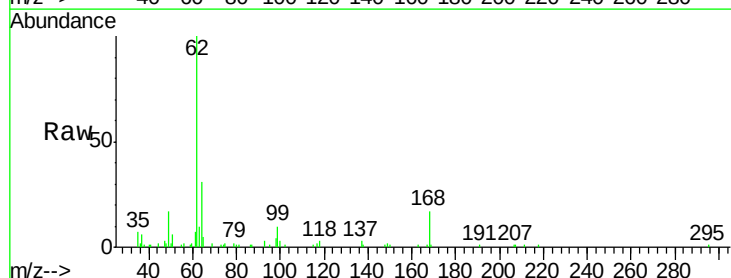
Acq: 23 Jul 2018 13:23

Tgt Ion: 62 Resp: 42742

Ion Ratio Lower Upper

62 100

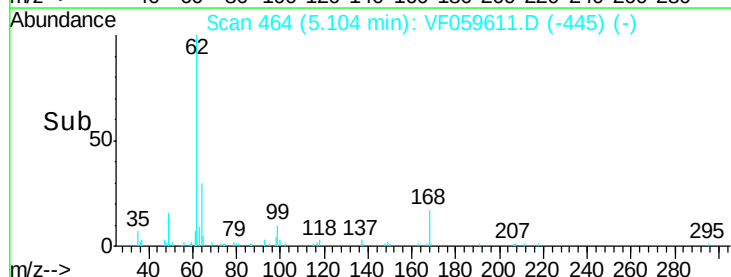
98 4.3 0.0 8.4



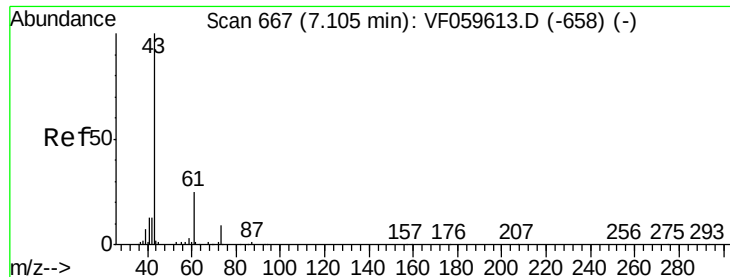
Abundance Ion 62.00 (61.70 to 62.70): VF059611.D (-445) (-)

Ion 98.00 (97.70 to 98.70): VF059611.D (-445) (-)

Time-->



Time-->



#43

Isopropyl Acetate

Concen: 7.81 ug/l

RT: 7.11 min Scan# 668

Delta R.T. 0.01 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

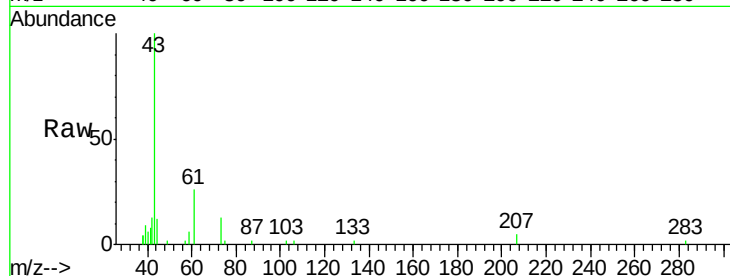
Tot Ion: 43 Resp: 16963

Ion Ratio Lower Upper

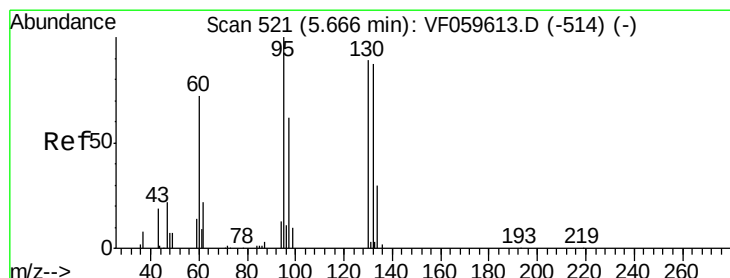
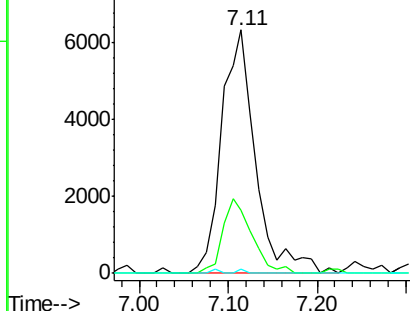
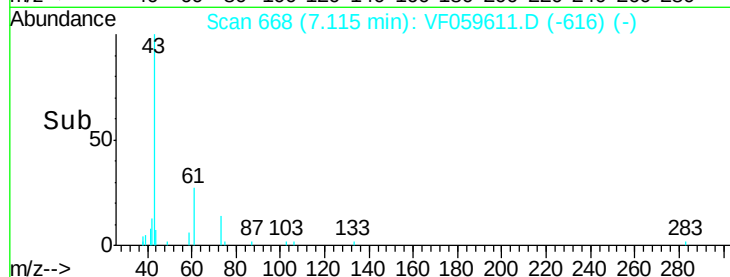
43 100

61 25.7 20.1 30.1

87 1.7 0.5 0.7#



Abundance Ion 43.00 (42.70 to 43.70): VF059611.D (-616) (-)



#44

Trichloroethene

Concen: 10.38 ug/l

RT: 5.67 min Scan# 521

Delta R.T. 0.00 min

Lab File: VF059611.D

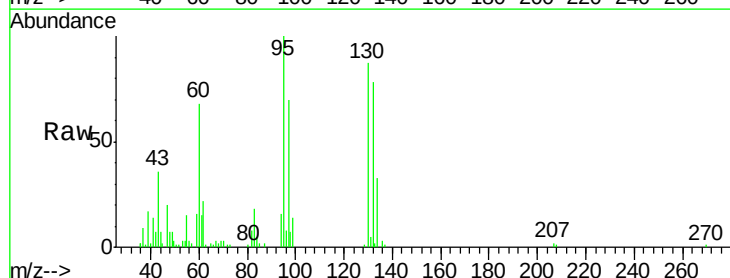
Acq: 23 Jul 2018 13:23

Tgt Ion: 130 Resp: 24701

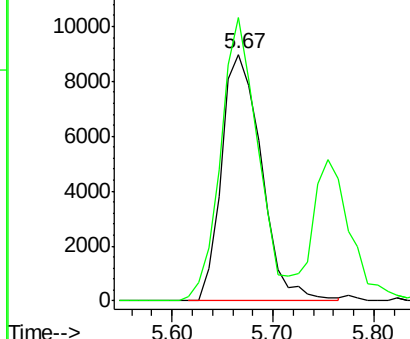
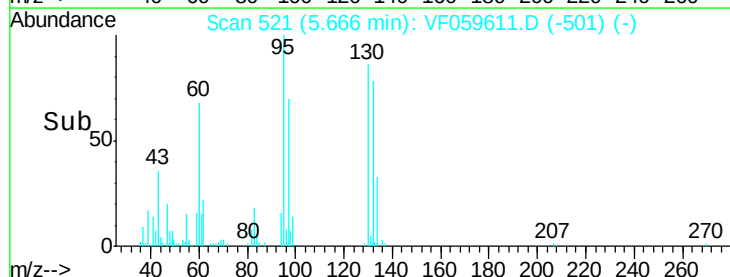
Ion Ratio Lower Upper

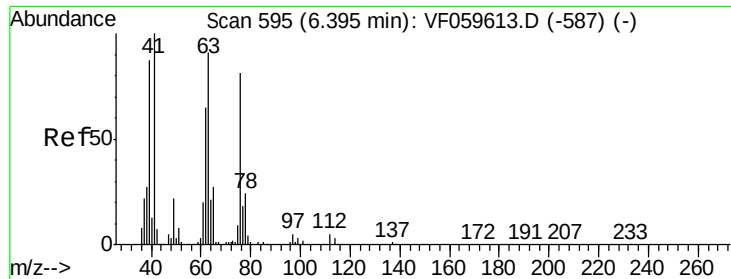
130 100

95 114.8 0.0 226.4



Abundance Ion 129.90 (129.60 to 130.60): VF059611.D (-501) (-)





#45

1,2-Dichloropropane

Concen: 10.03 ug/l

RT: 6.40 min Scan# 595

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_F

ClientSampleId :

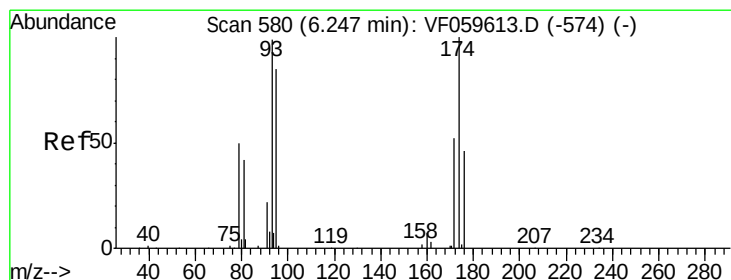
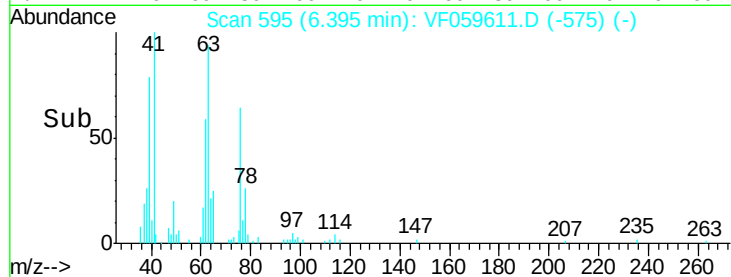
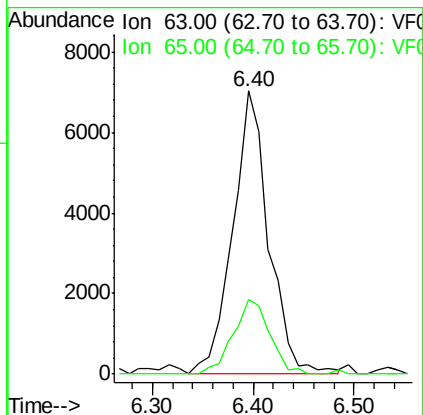
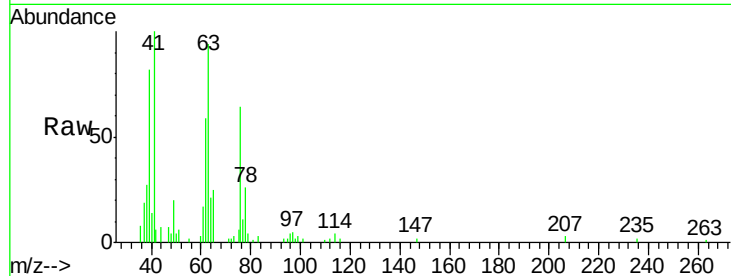
VSTDIC010

Tot Ion: 63 Resp: 17475

Ion Ratio Lower Upper

63 100

65 26.4 23.4 35.0



#46

Dibromomethane

Concen: 8.38 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

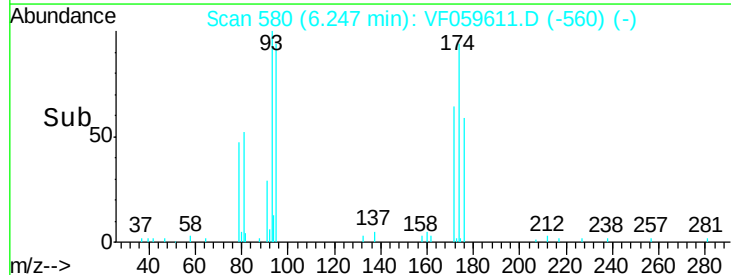
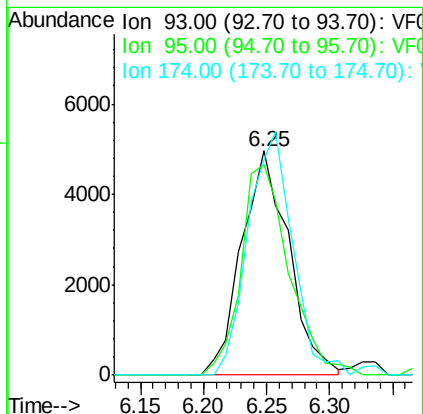
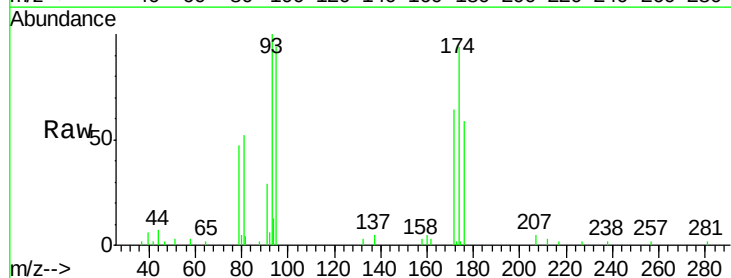
Tgt Ion: 93 Resp: 12884

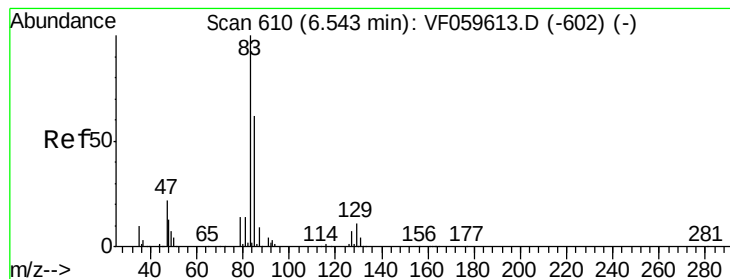
Ion Ratio Lower Upper

93 100

95 94.0 68.6 102.8

174 96.3 80.8 121.2





#47

Bromodichloromethane

Concen: 9.93 ug/l

RT: 6.54 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

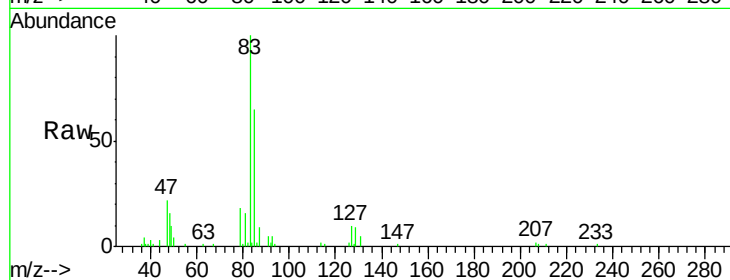
Tot Ion: 83 Resp: 42068

Ion Ratio Lower Upper

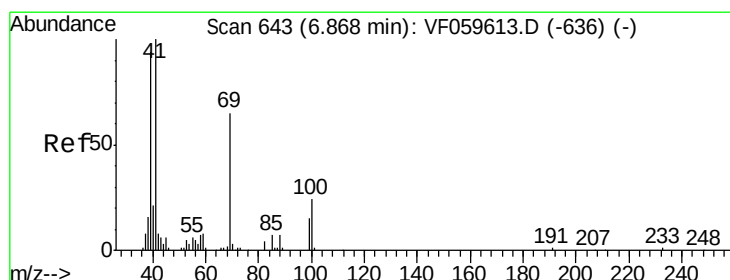
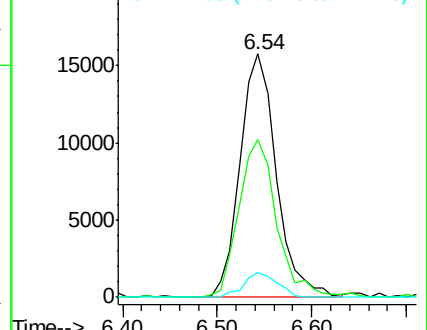
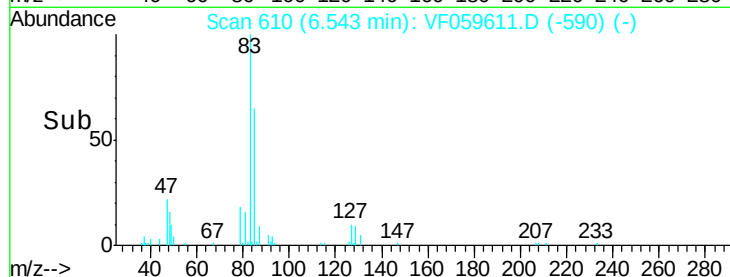
83 100

85 64.7 49.4 74.0

127 10.4 5.9 8.9#



Abundance Ion 83.00 (82.70 to 83.70): VF059611.D (-590) (-)



#48

Methyl methacrylate

Concen: 8.85 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

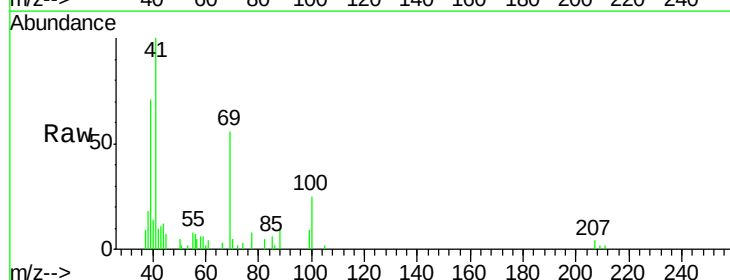
Tgt Ion: 41 Resp: 13703

Ion Ratio Lower Upper

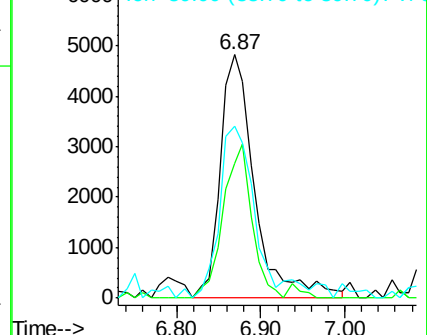
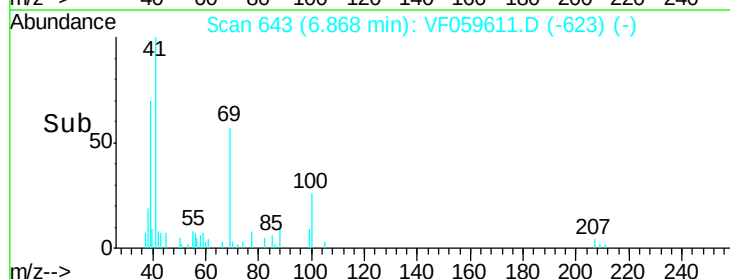
41 100

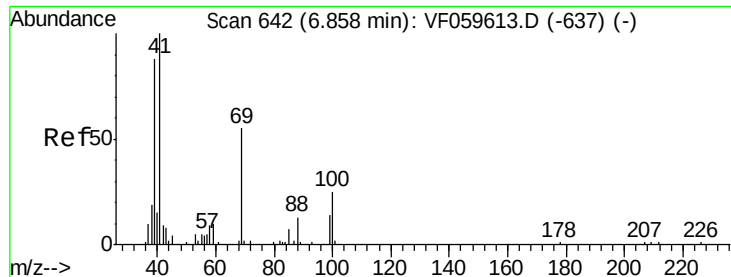
69 55.6 51.6 77.4

39 70.7 76.3 114.5#



Abundance Ion 41.00 (40.70 to 41.70): VF059611.D (-623) (-)





#49

1,4-Dioxane

Concen: 153.38 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.01 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

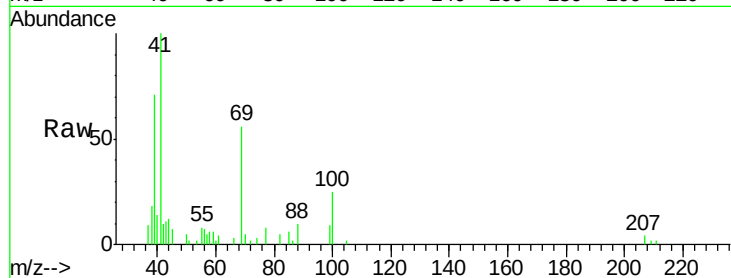
Tot Ion: 88 Resp: 1347

Ion Ratio Lower Upper

88 100

43 106.1 54.2 81.4#

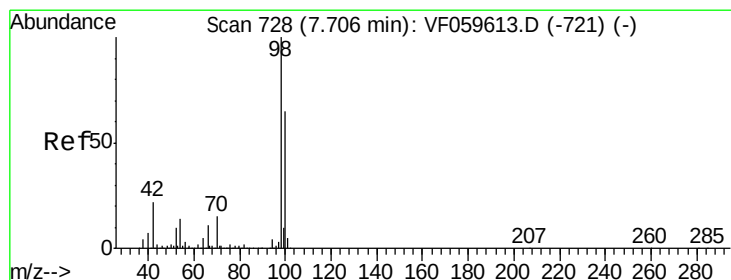
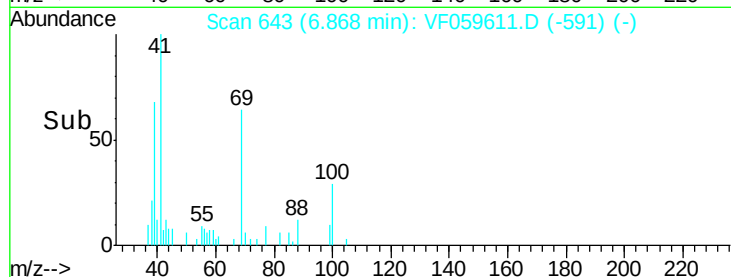
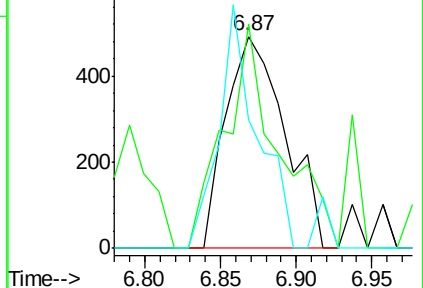
58 60.9 54.3 81.5



Abundance Ion 88.00 (87.70 to 88.70): VF059611.D (-591) (-)

Ion 43.00 (42.70 to 43.70): VF059611.D (-591) (-)

Ion 58.00 (57.70 to 58.70): VF059611.D (-591) (-)



#50

Toluene-d8

Concen: 10.41 ug/l

RT: 7.71 min Scan# 728

Delta R.T. 0.00 min

Lab File: VF059611.D

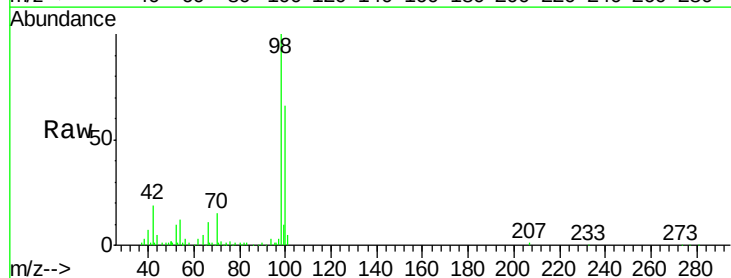
Acq: 23 Jul 2018 13:23

Tgt Ion: 98 Resp: 74437

Ion Ratio Lower Upper

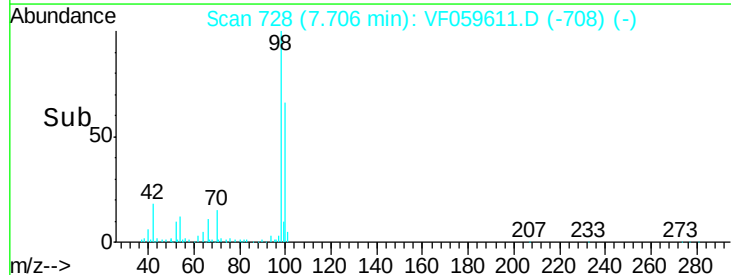
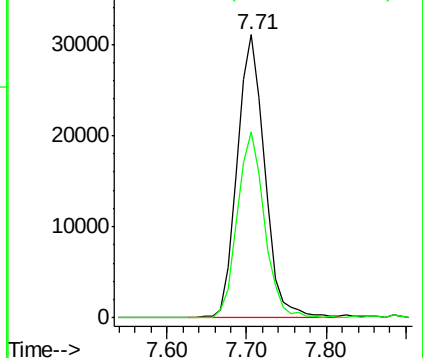
98 100

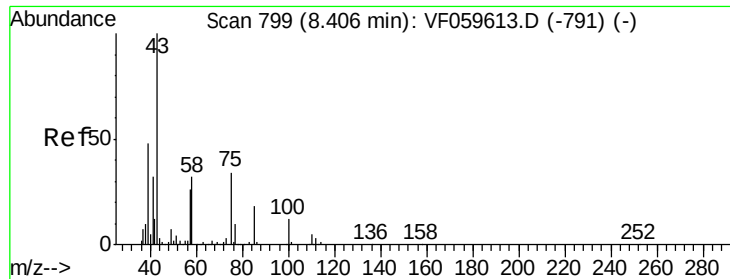
100 65.5 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VF059611.D (-708) (-)

Ion 100.00 (99.70 to 100.70): VF059611.D (-708) (-)





#51

4-Methyl-2-Pentanone

Concen: 38.74 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_F

ClientSampleId :

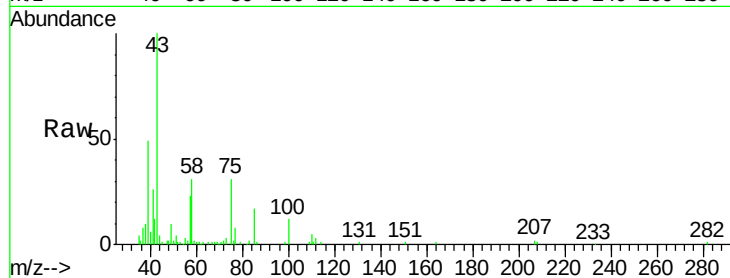
VSTDIC010

Tot Ion: 43 Resp: 59492

Ion Ratio Lower Upper

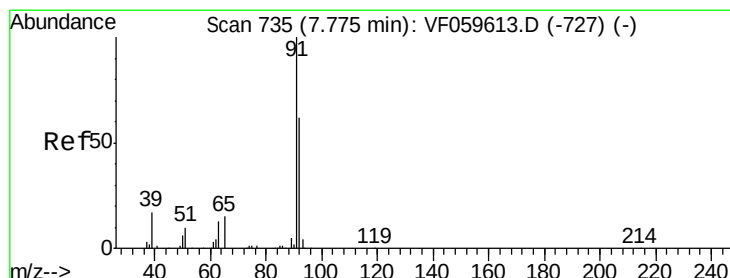
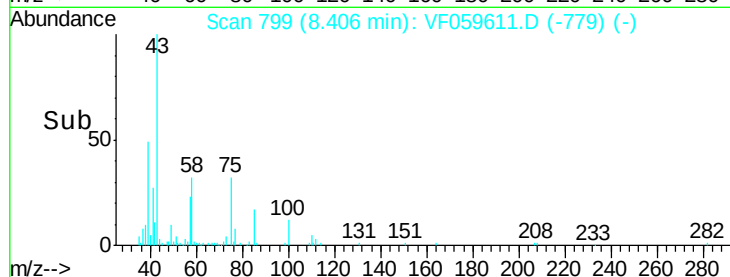
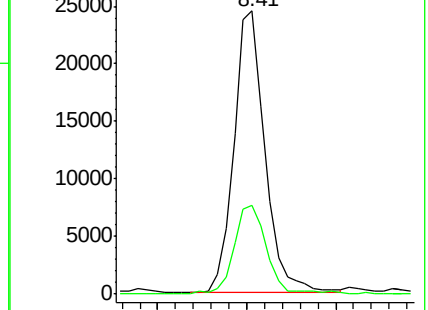
43 100

58 31.3 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VF059611.D (-779) (-)

Ion 58.00 (57.70 to 58.70): VF059611.D (-779) (-)



#52

Toluene

Concen: 10.36 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059611.D

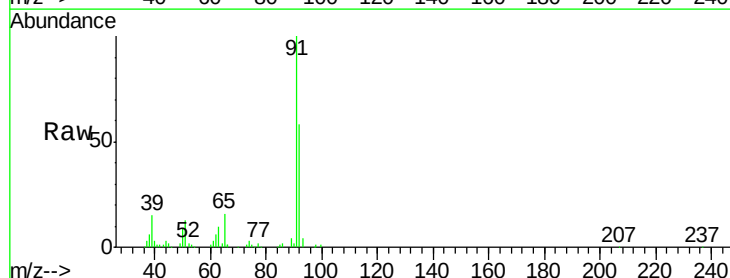
Acq: 23 Jul 2018 13:23

Tgt Ion: 92 Resp: 48620

Ion Ratio Lower Upper

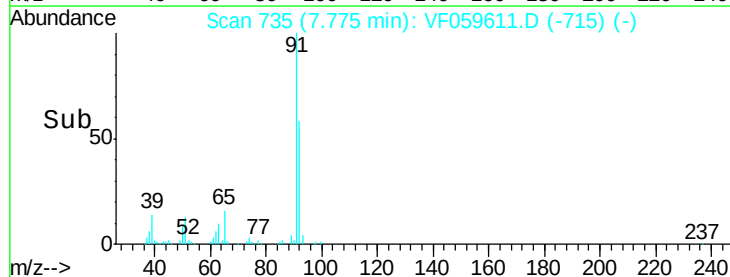
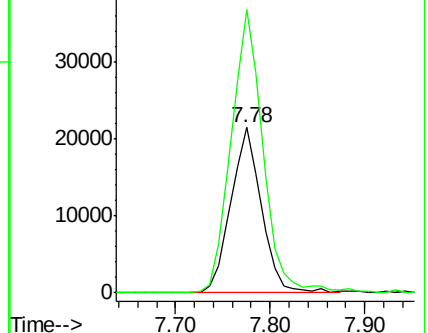
92 100

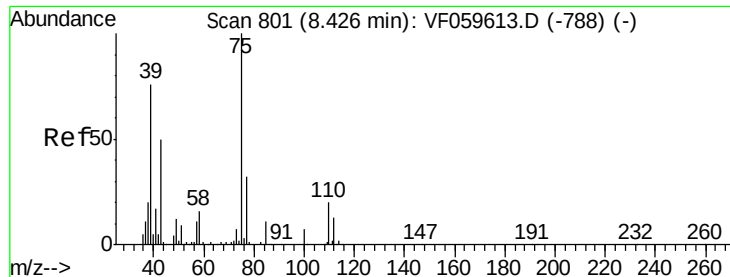
91 171.0 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VF059611.D (-715) (-)

Ion 91.00 (90.70 to 91.70): VF059611.D (-715) (-)





#53

t-1,3-Dichloropropene

Concen: 9.07 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_F

ClientSampleId :

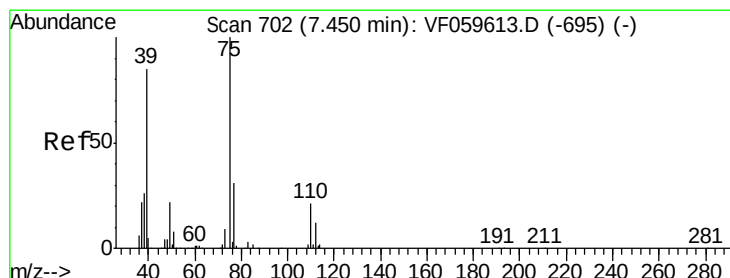
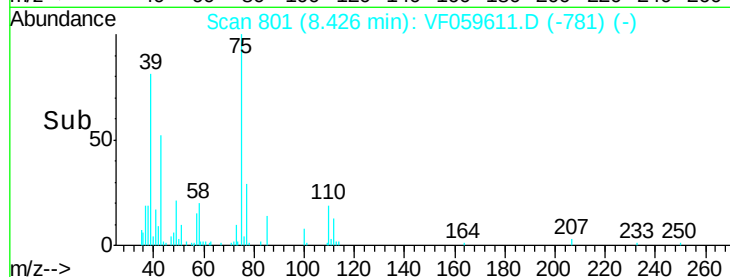
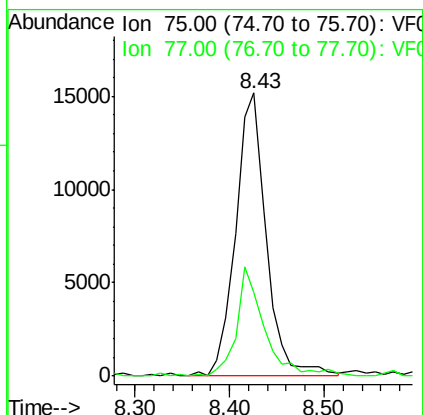
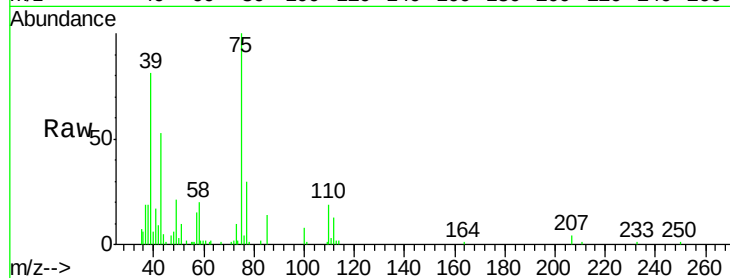
VSTDIC010

Tot Ion: 75 Resp: 34036

Ion Ratio Lower Upper

75 100

77 29.7 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 8.84 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

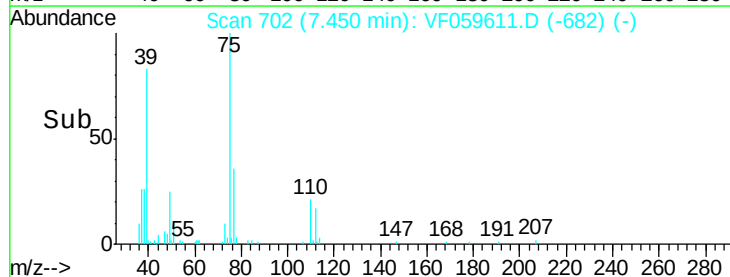
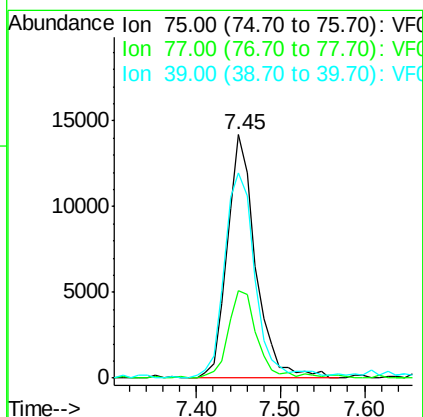
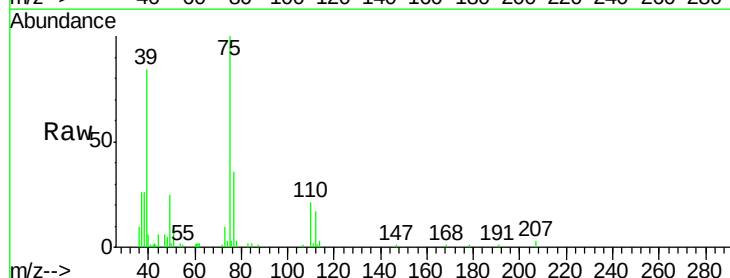
Tgt Ion: 75 Resp: 33171

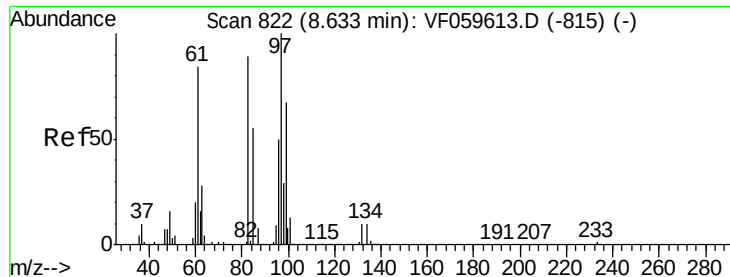
Ion Ratio Lower Upper

75 100

77 35.7 24.6 37.0

39 84.3 67.8 101.6





#55

1,1,2-Trichloroethane

Concen: 8.84 ug/l

RT: 8.63 min Scan# 822

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 97 Resp: 15621

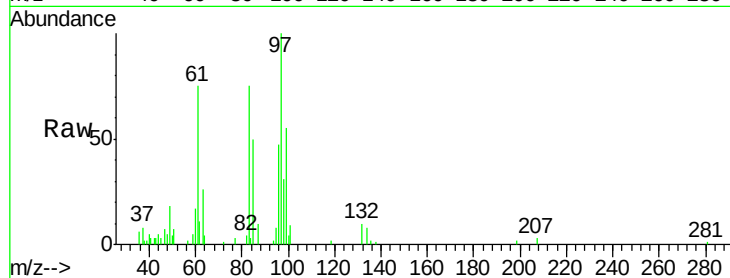
Ion	Ratio	Lower	Upper
97	100		
83	75.2	71.8	107.6
85	50.3	43.9	65.9
99	55.1	53.5	80.3

97 100

83 75.2 71.8 107.6

85 50.3 43.9 65.9

99 55.1 53.5 80.3



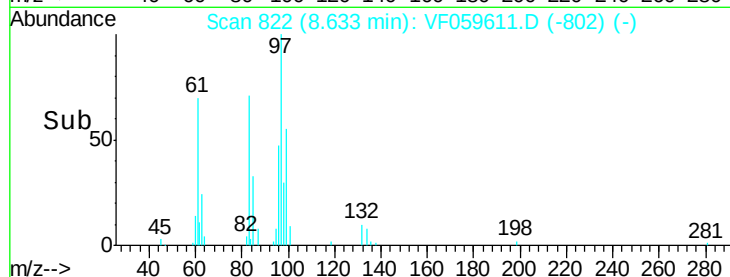
Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

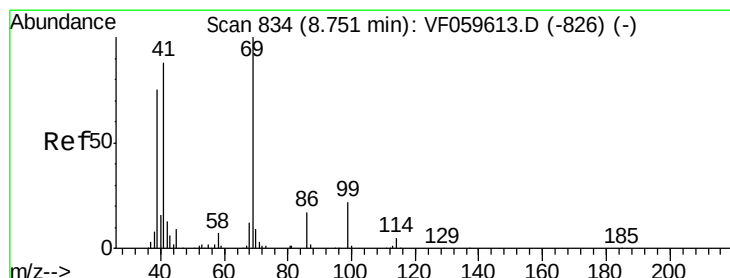
Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0

Time-->



Time-->



#56

Ethyl methacrylate

Concen: 7.72 ug/l

RT: 8.75 min Scan# 834

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

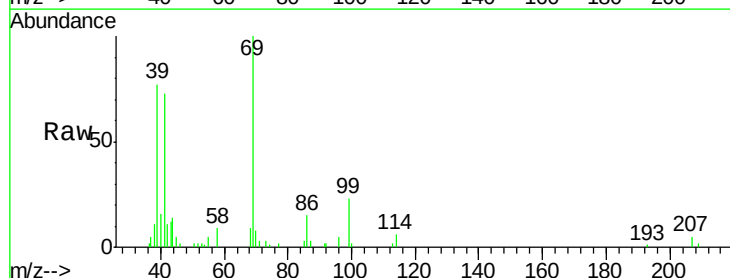
Tgt Ion: 69 Resp: 16256

Ion	Ratio	Lower	Upper
69	100		
41	72.5	70.8	106.2
39	76.7	60.7	91.1

69 100

41 72.5 70.8 106.2

39 76.7 60.7 91.1

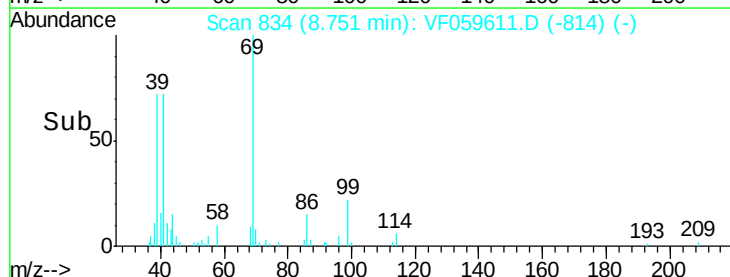


Abundance Ion 69.00 (68.70 to 69.70): VF0

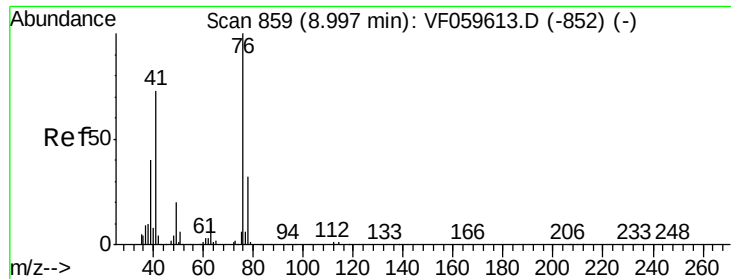
Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Time-->



Time-->



#57

1,3-Dichloropropane

Concen: 8.61 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_F

ClientSampleId :

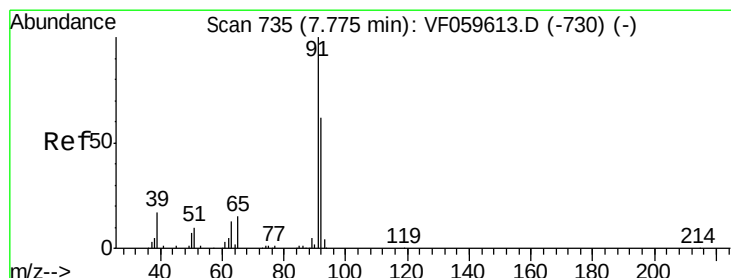
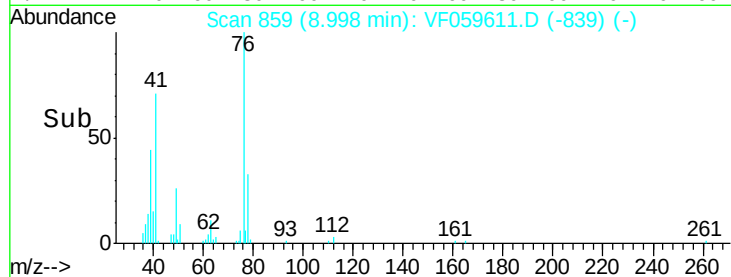
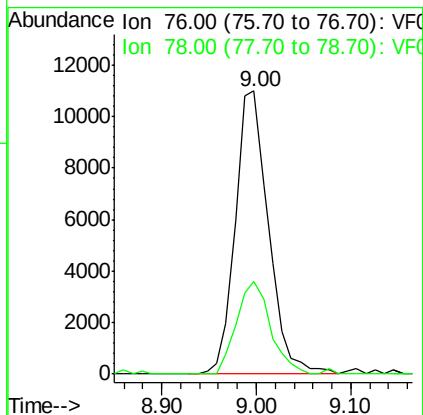
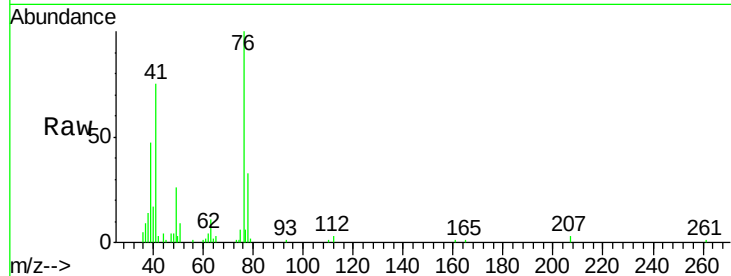
VSTDIC010

Tot Ion: 76 Resp: 26704

Ion Ratio Lower Upper

76 100

78 32.7 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 56.96 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF059611.D

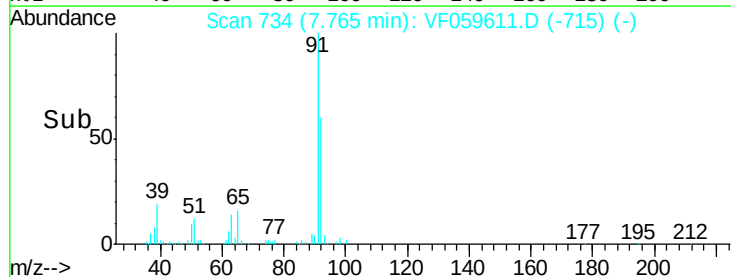
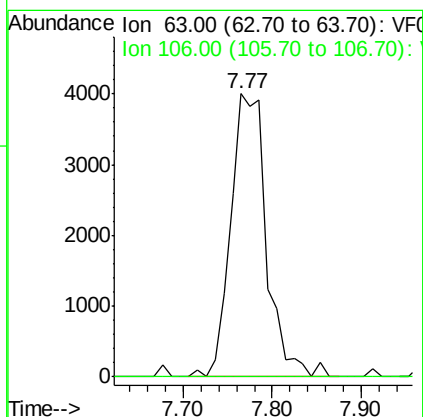
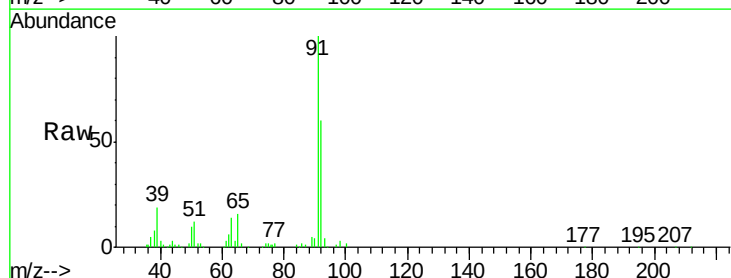
Acq: 23 Jul 2018 13:23

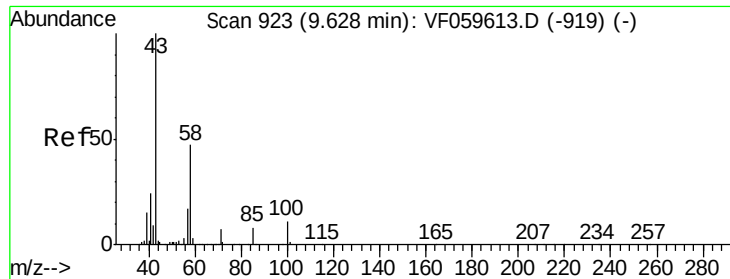
Tgt Ion: 63 Resp: 11206

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

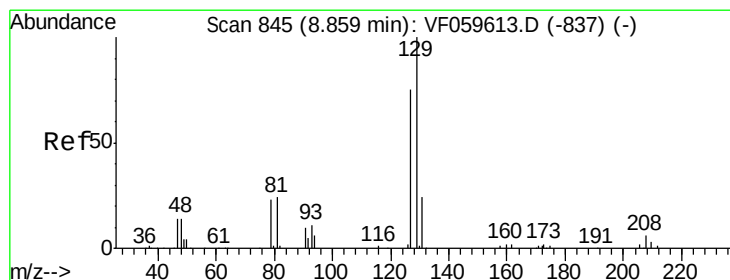
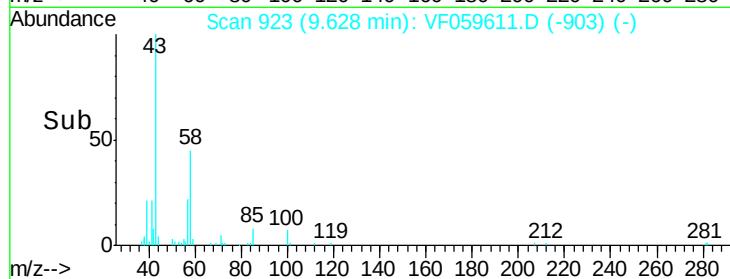
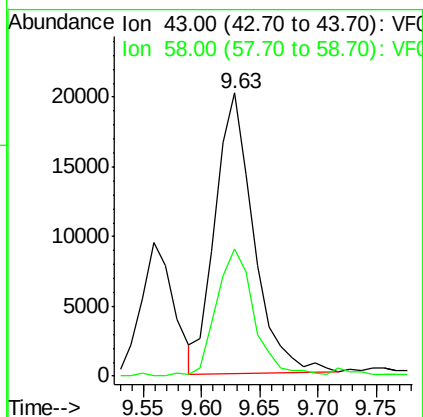
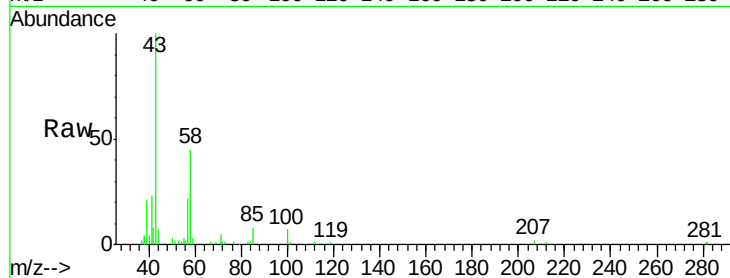




#59
2-Hexanone
Concen: 38.25 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

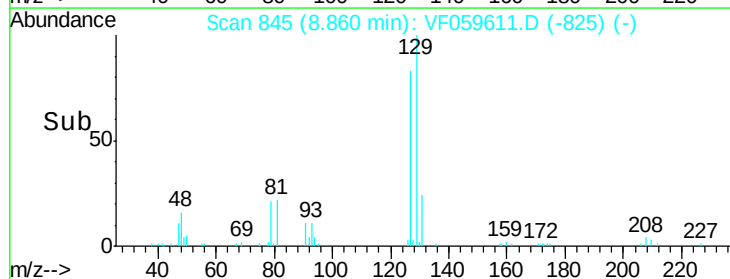
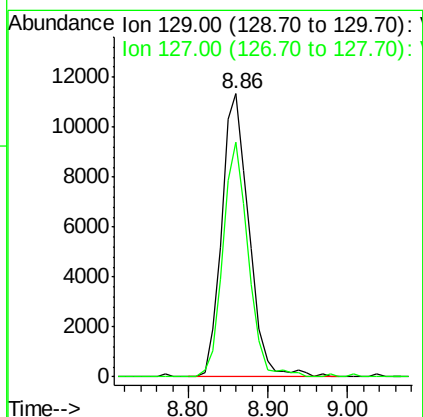
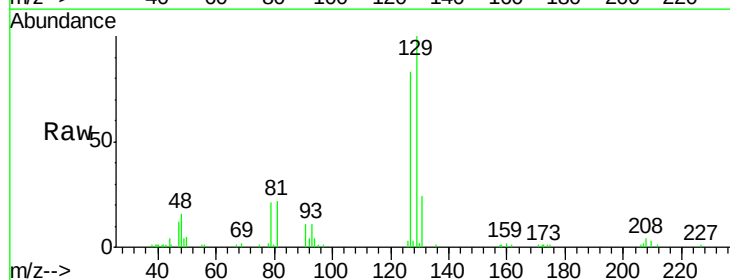
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

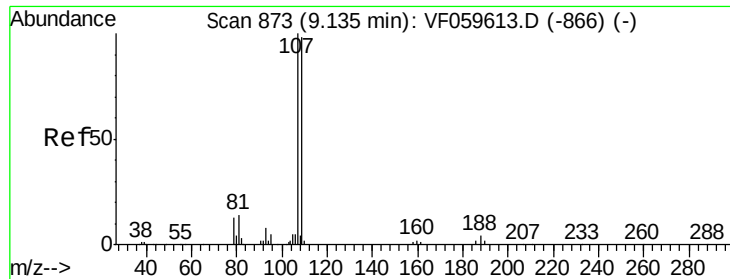
Tot Ion: 43 Resp: 46061
Ion Ratio Lower Upper
43 100
58 45.0 21.1 63.4



#60
Dibromochloromethane
Concen: 9.12 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

Tgt Ion: 129 Resp: 27264
Ion Ratio Lower Upper
129 100
127 85.7 37.5 112.7





#61

1,2-Dibromoethane

Concen: 8.41 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_F

ClientSampleId :

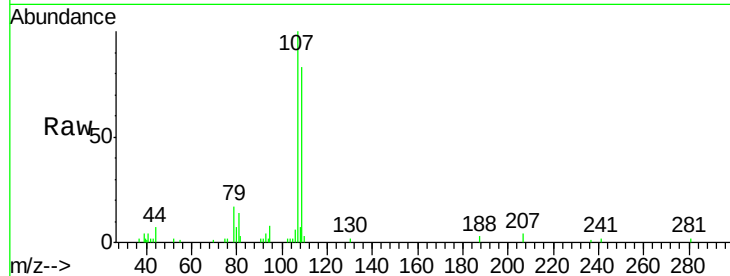
VSTDIC010

Tot Ion:107 Resp: 17649

Ion Ratio Lower Upper

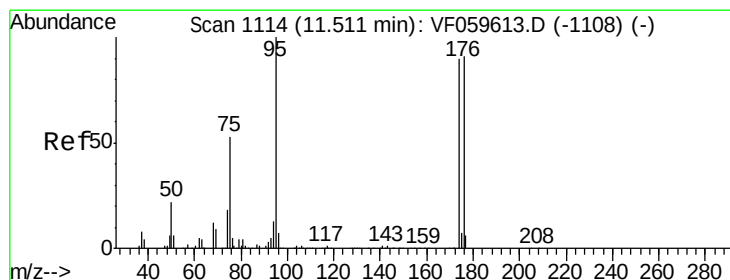
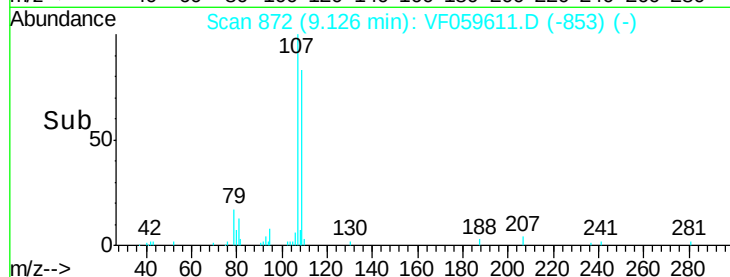
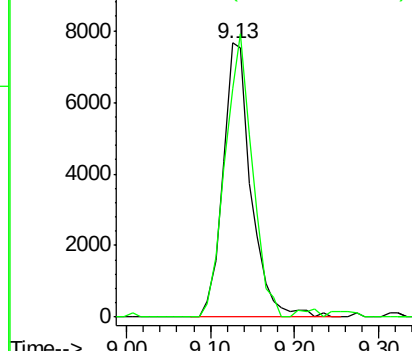
107 100

109 83.4 78.2 117.4



Abundance Ion 107.00 (106.70 to 107.70):

Ion 109.00 (108.70 to 109.70):



#62

4-Bromofluorobenzene

Concen: 10.46 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

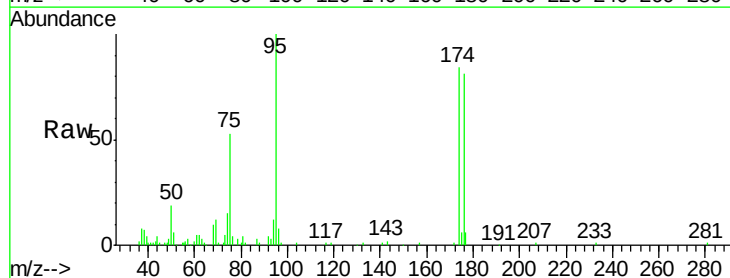
Tgt Ion: 95 Resp: 40949

Ion Ratio Lower Upper

95 100

174 83.9 0.0 180.6

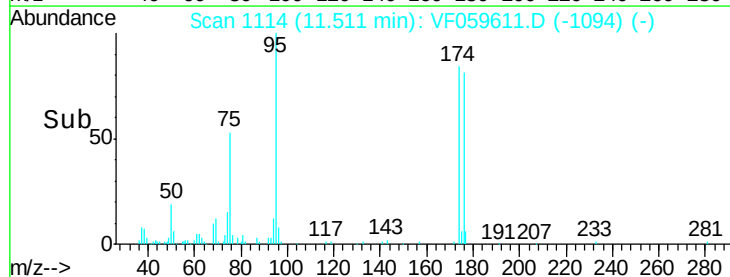
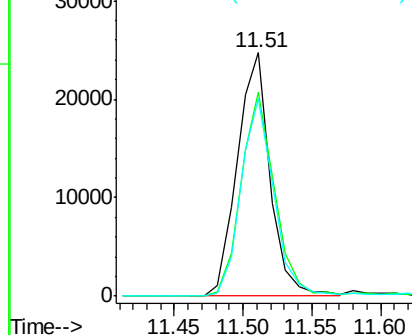
176 81.0 0.0 182.4

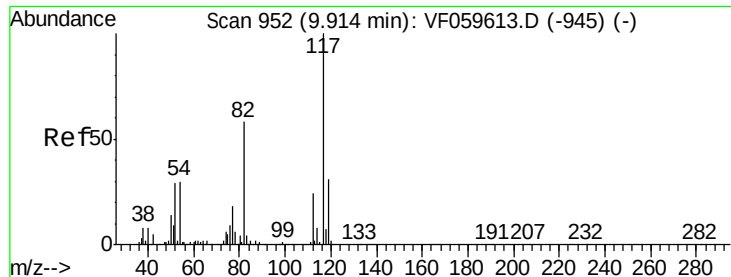


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70):

Ion 176.00 (175.70 to 176.70):

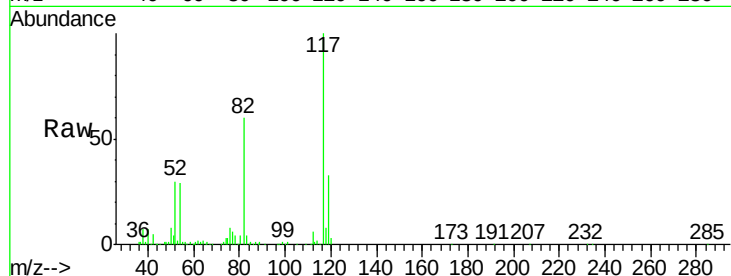




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.0	46.5	69.7
119	33.1	24.4	36.6

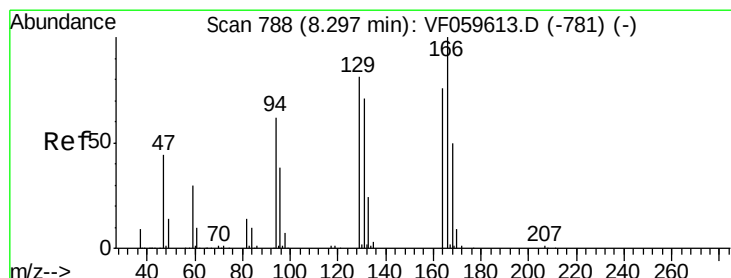
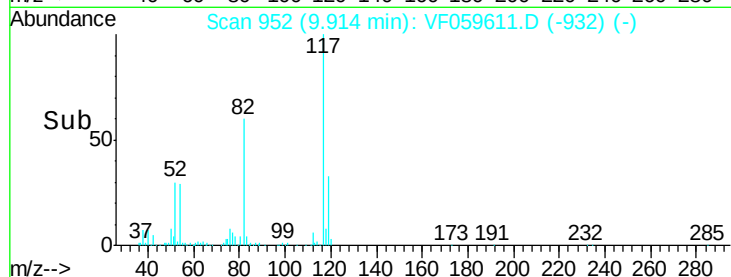
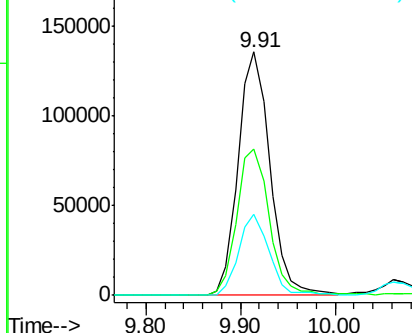


Abundance

Ion 117.00 (116.70 to 117.70):

Ion 82.00 (81.70 to 82.70):

Ion 119.00 (118.70 to 119.70):



#64
Tetrachloroethene
Concen: 11.37 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.01 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	116.5	104.8	157.2
129	81.0	85.3	127.9
131	83.1	74.6	111.8

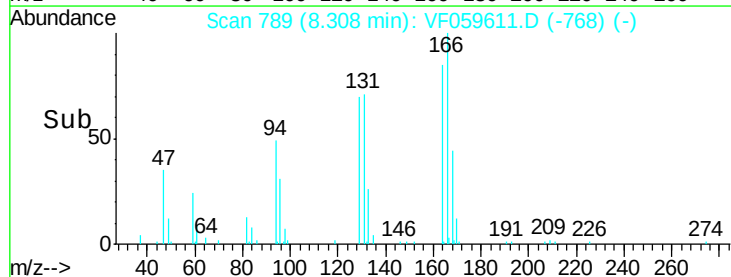
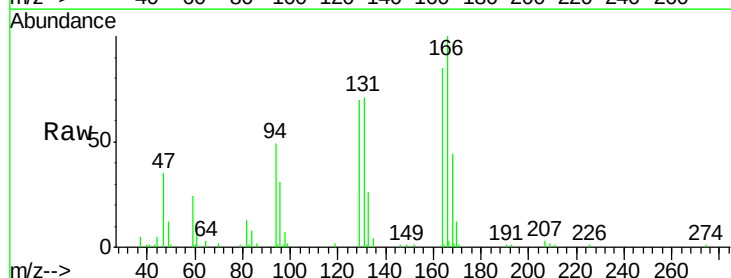
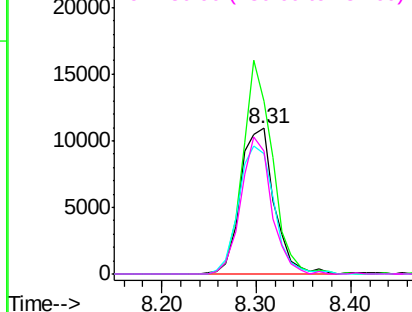
Abundance

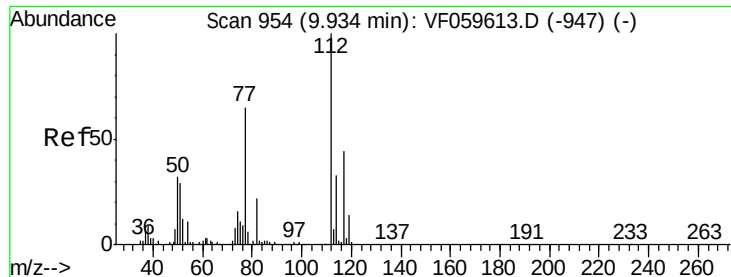
Ion 163.85 (163.55 to 164.55):

Ion 165.80 (165.50 to 166.50):

Ion 128.90 (128.60 to 129.60):

Ion 130.90 (130.60 to 131.60):

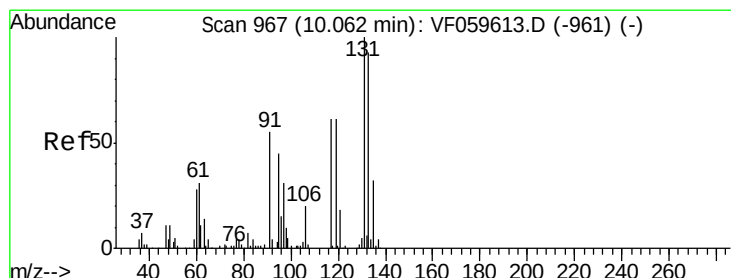
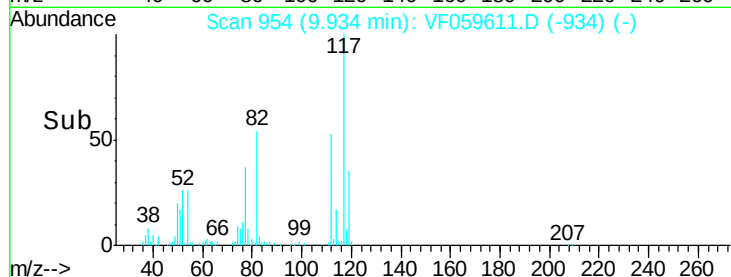
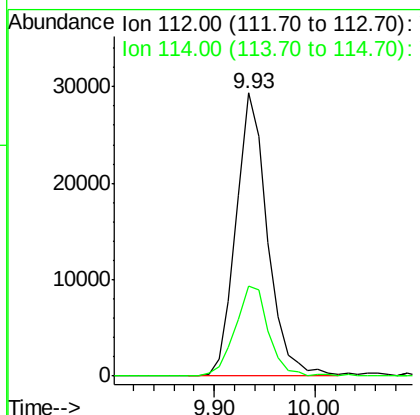
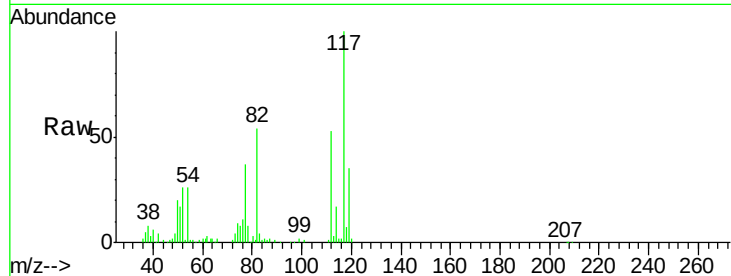




#65
Chlorobenzene
Concen: 10.51 ug/l
RT: 9.93 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

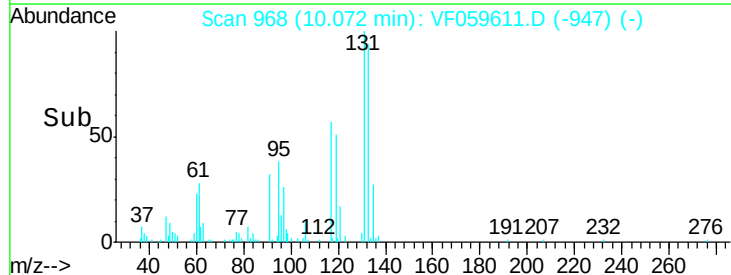
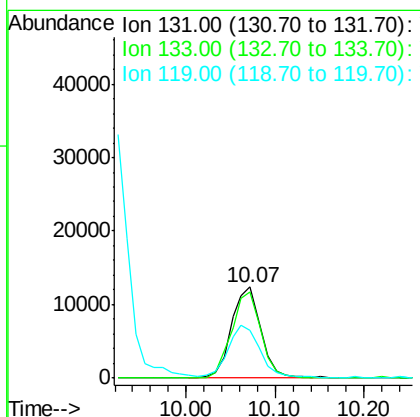
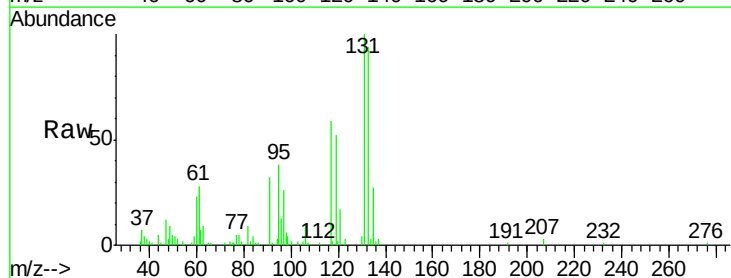
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

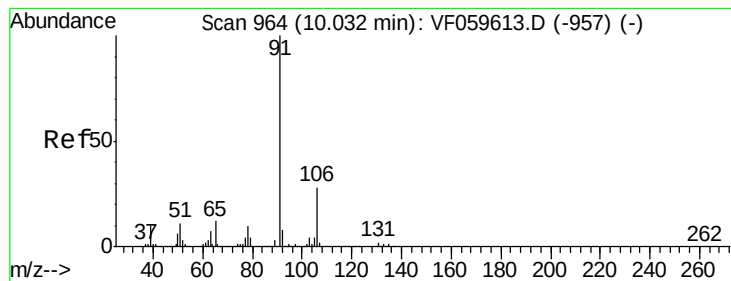
Tot Ion:112 Resp: 63921
Ion Ratio Lower Upper
112 100
114 32.0 26.8 40.2



#66
1,1,1,2-Tetrachloroethane
Concen: 10.45 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.01 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

Tgt Ion:131 Resp: 28778
Ion Ratio Lower Upper
131 100
133 94.5 46.4 139.2
119 52.1 30.6 91.8





#67

Ethyl Benzene

Concen: 10.98 ug/l

RT: 10.03 min Scan# 964

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_F

ClientSampleId :

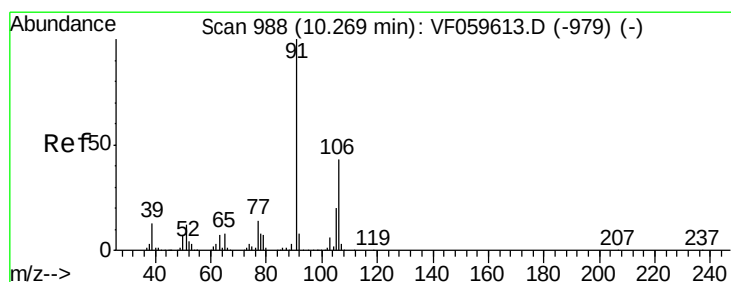
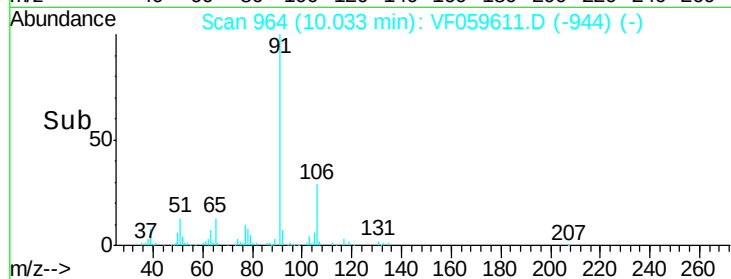
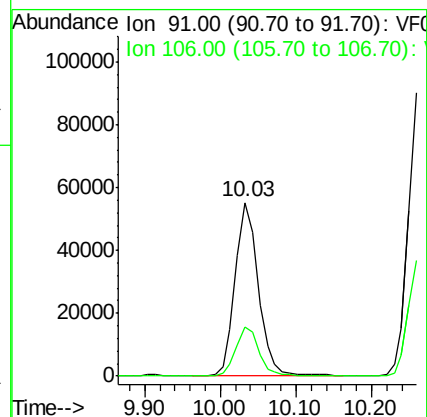
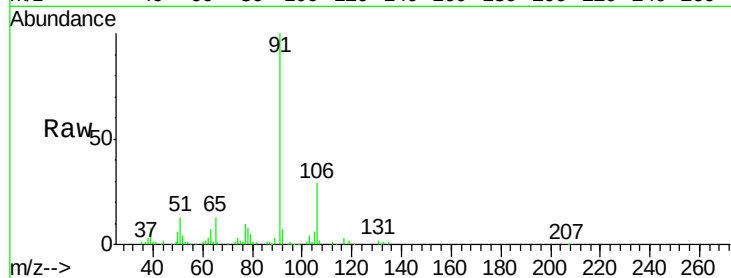
VSTDIC010

Tot Ion: 91 Resp: 117939

Ion Ratio Lower Upper

91 100

106 28.5 22.5 33.7



#68

m/p-Xylenes

Concen: 22.25 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF059611.D

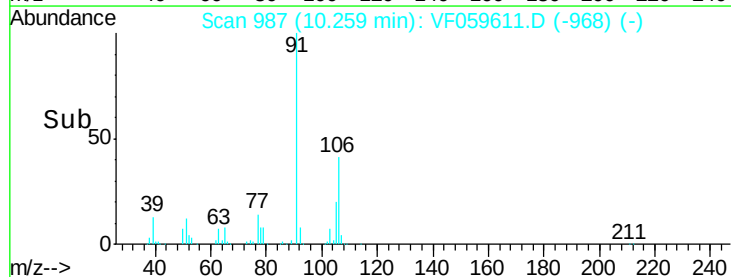
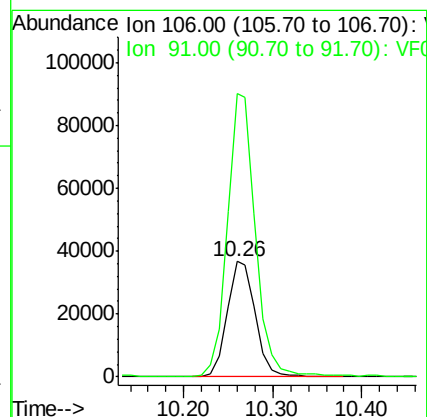
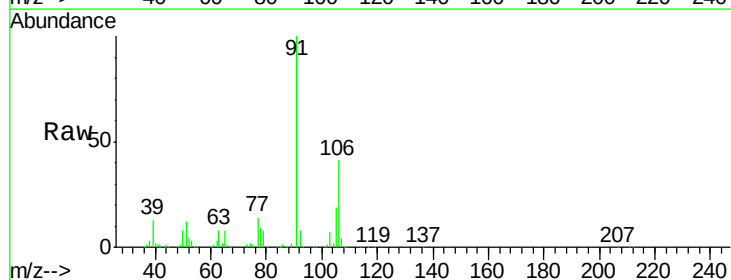
Acq: 23 Jul 2018 13:23

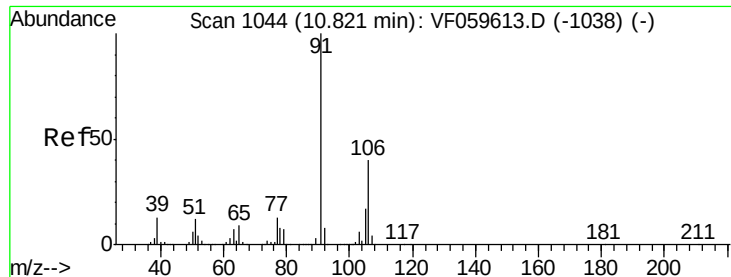
Tgt Ion: 106 Resp: 82083

Ion Ratio Lower Upper

106 100

91 244.7 187.0 280.4

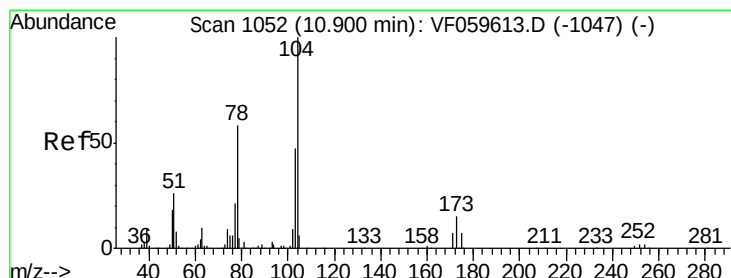
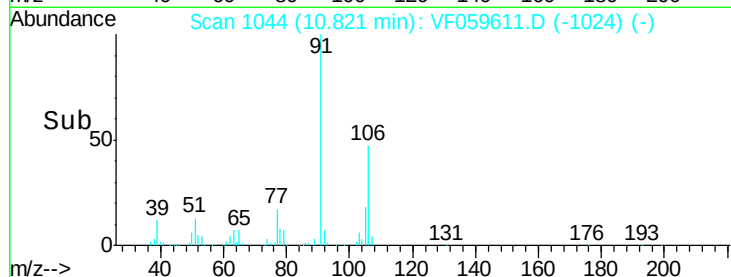
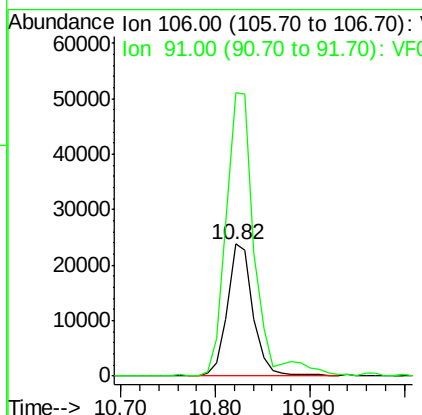
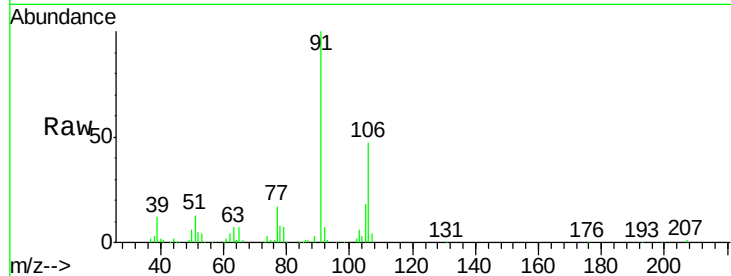




#69
o-Xylene
Concen: 11.15 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

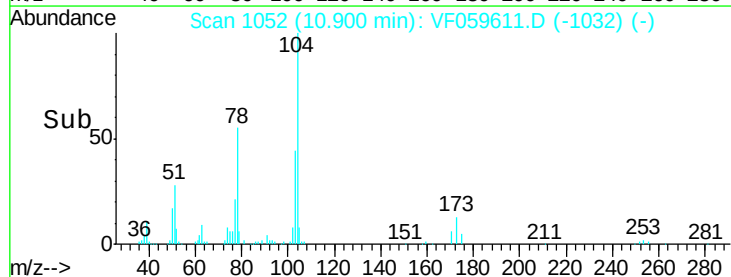
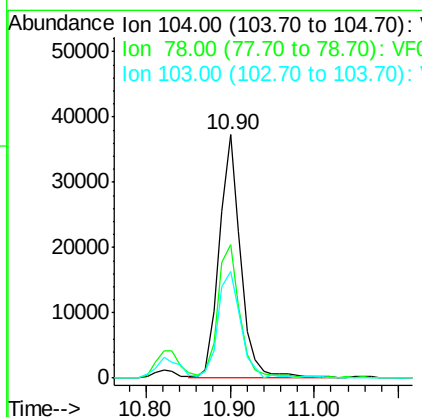
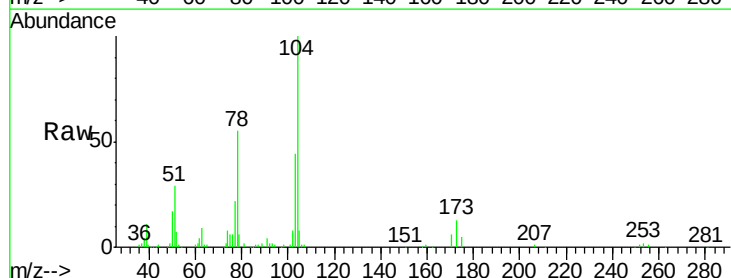
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

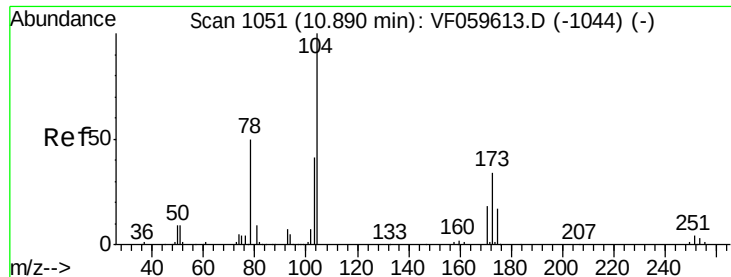
Tot Ion:106 Resp: 45095
Ion Ratio Lower Upper
106 100
91 214.7 125.8 377.3



#70
Styrene
Concen: 10.86 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

Tgt Ion:104 Resp: 65805
Ion Ratio Lower Upper
104 100
78 54.7 47.4 71.2
103 43.7 38.8 58.2





#71

Bromoform

Concen: 8.86 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

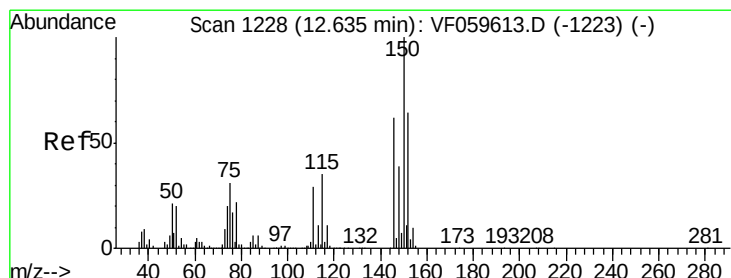
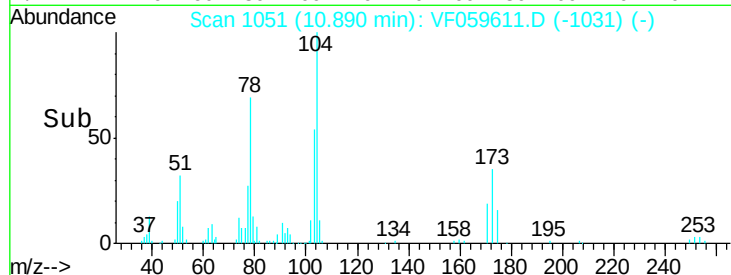
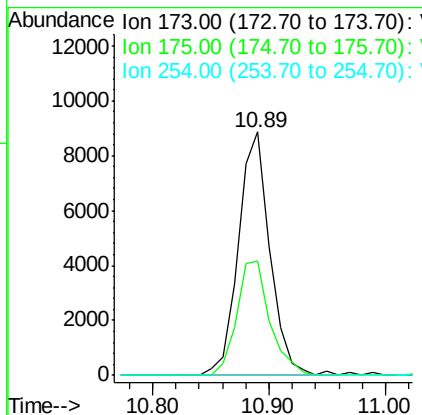
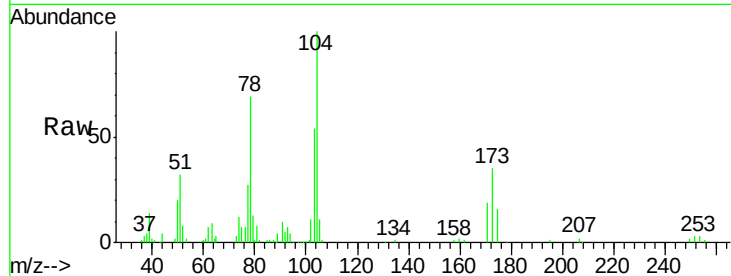
Tot Ion:173 Resp: 16592

Ion Ratio Lower Upper

173 100

175 47.1 25.1 75.2

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

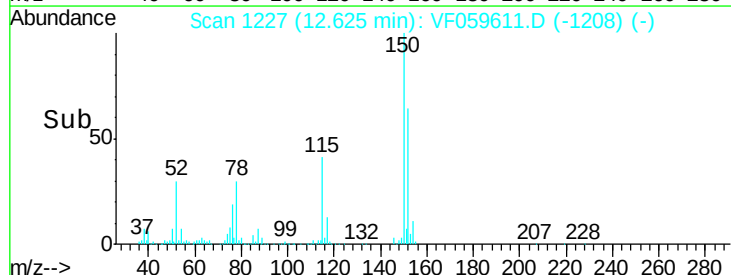
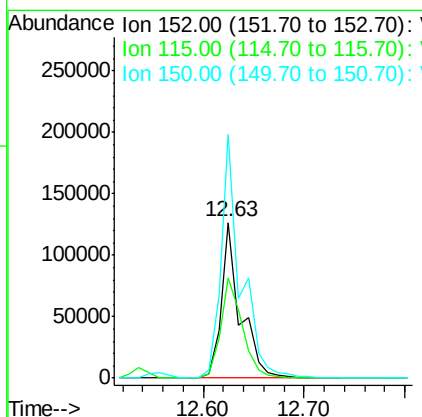
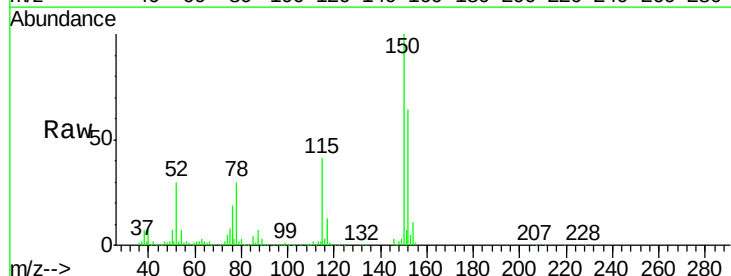
Tgt Ion:152 Resp: 169708

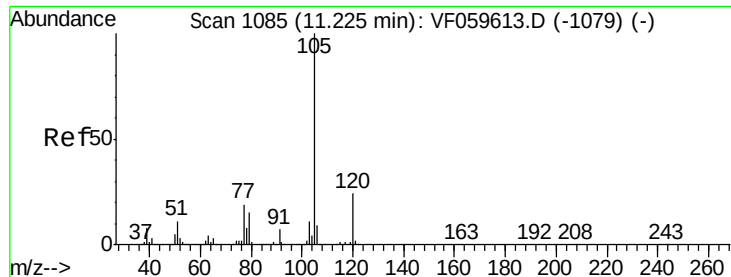
Ion Ratio Lower Upper

152 100

115 64.3 27.8 83.4

150 156.4 0.0 314.6





#73

Isopropylbenzene

Concen: 13.10 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_F

ClientSampleId :

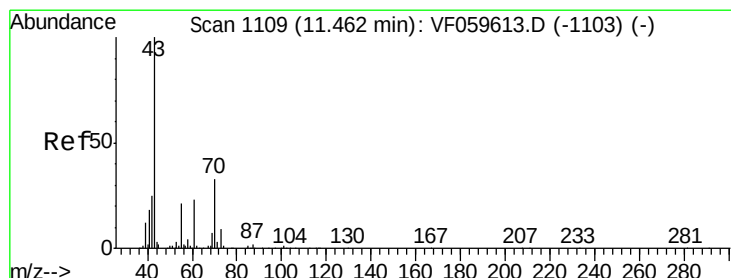
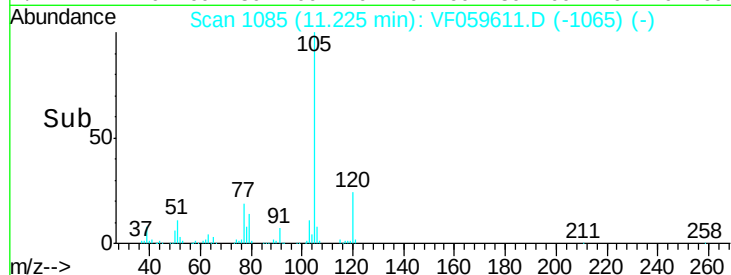
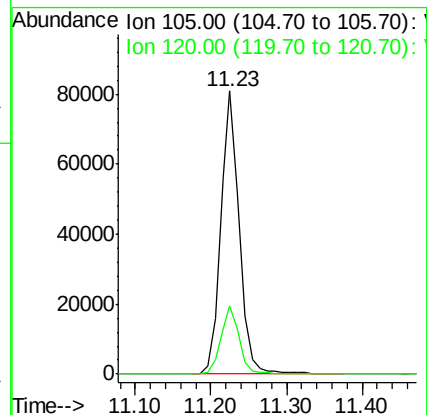
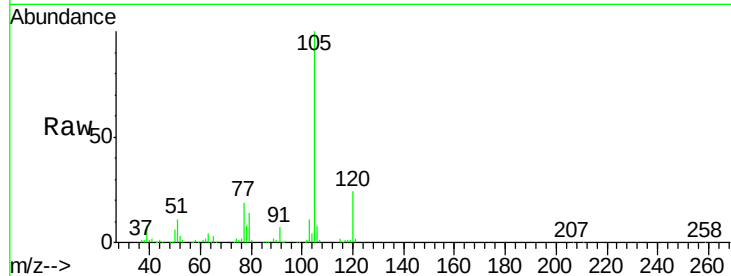
VSTDIC010

Tot Ion:105 Resp: 138205

Ion Ratio Lower Upper

105 100

120 24.3 11.8 35.4



#74

N-ethyl acetate

Concen: 8.76 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Tgt Ion: 43 Resp: 26977

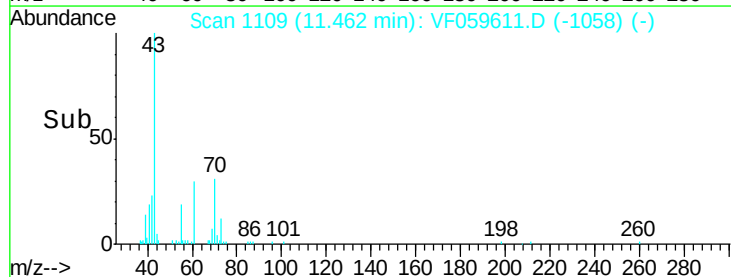
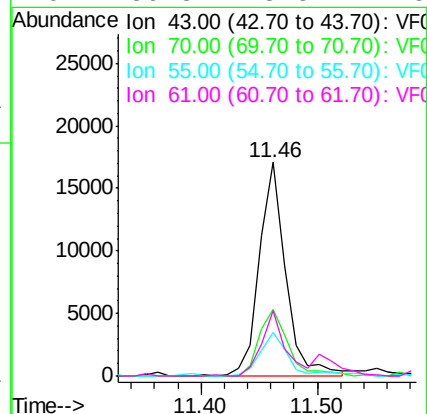
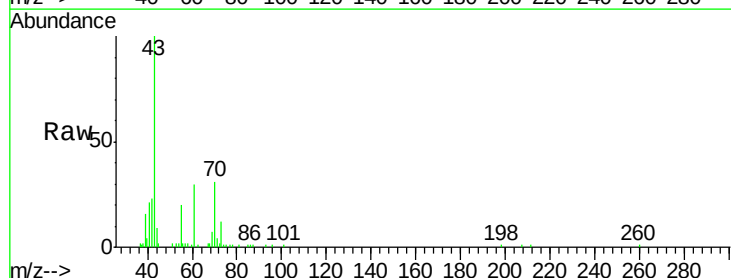
Ion Ratio Lower Upper

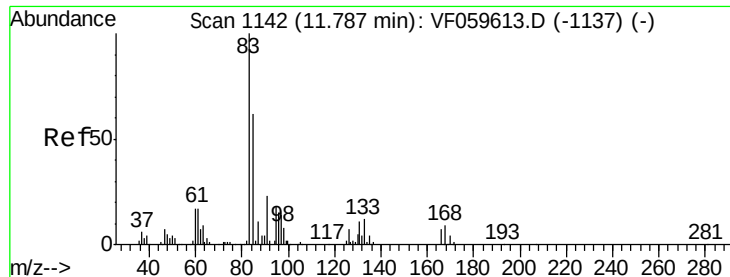
43 100

70 31.1 26.6 40.0

55 20.5 17.0 25.6

61 30.3 18.3 27.5#





#75

1,1,2,2-Tetrachloroethane

Concen: 10.02 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

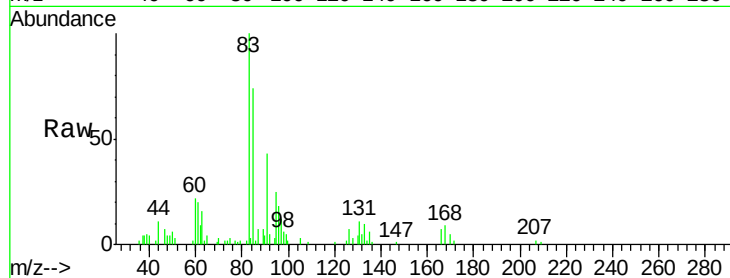
Tot Ion: 83 Resp: 21500

Ion Ratio Lower Upper

83 100

131 11.2 5.7 17.0

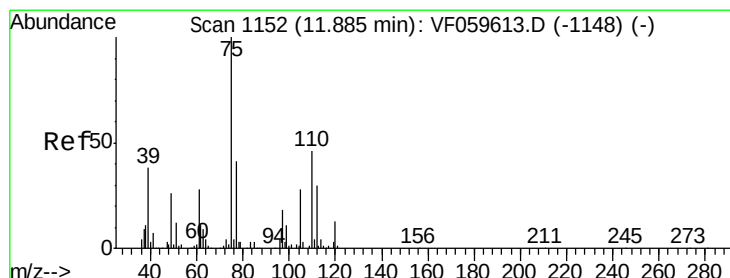
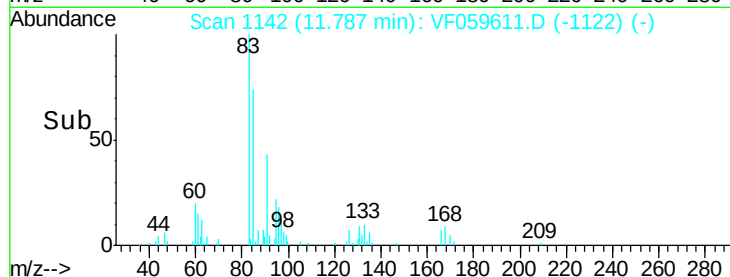
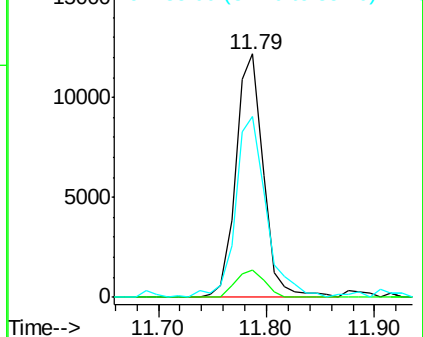
85 74.4 31.1 93.3



Abundance Ion 83.00 (82.70 to 83.70): VF059611.D (-1137) (-)

Ion 131.00 (130.70 to 131.70): VF059611.D (-1137) (-)

Ion 85.00 (84.70 to 85.70): VF059611.D (-1137) (-)



#76

1,2,3-Trichloropropane

Concen: 10.65 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.01 min

Lab File: VF059611.D

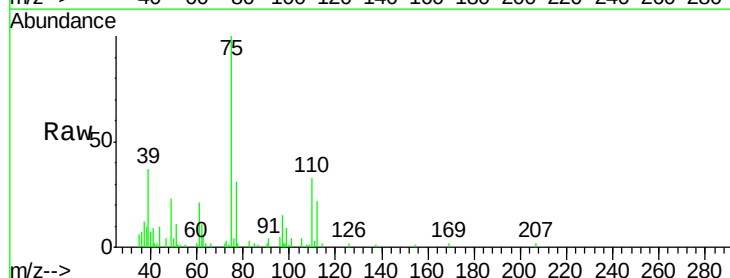
Acq: 23 Jul 2018 13:23

Tgt Ion: 75 Resp: 19088

Ion Ratio Lower Upper

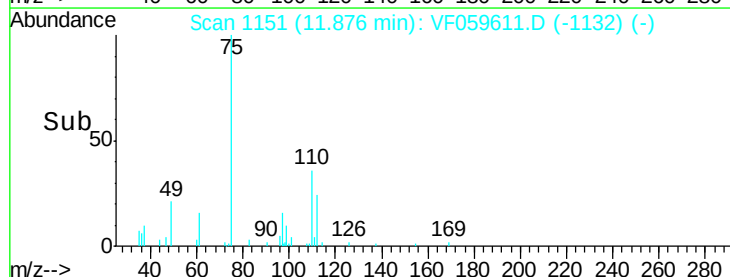
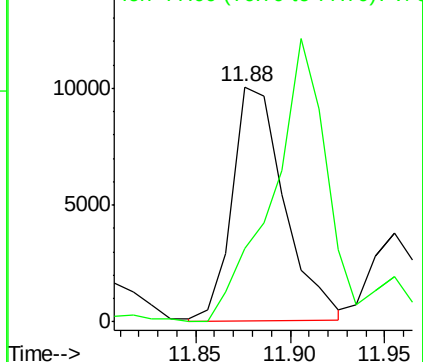
75 100

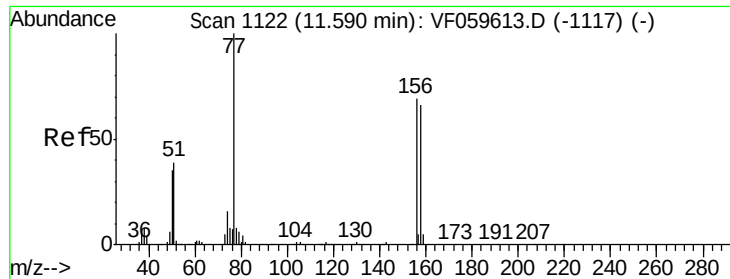
77 31.5 20.9 62.8



Abundance Ion 75.00 (74.70 to 75.70): VF059611.D (-1148) (-)

Ion 77.00 (76.70 to 77.70): VF059611.D (-1148) (-)

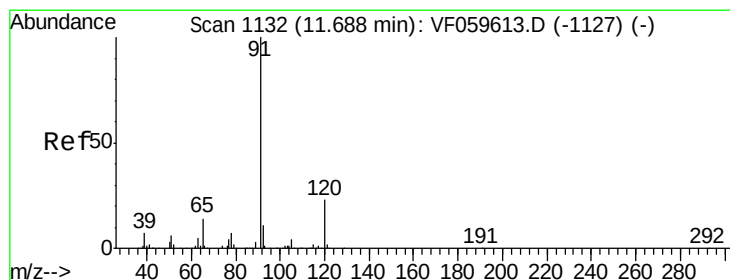
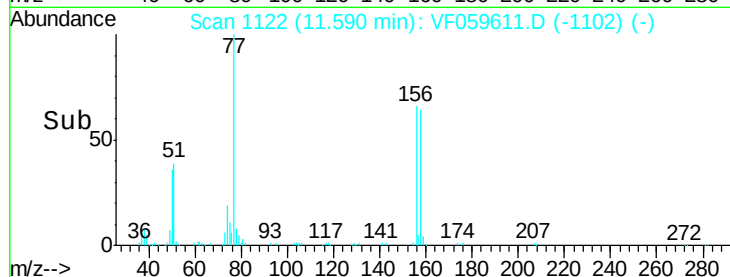
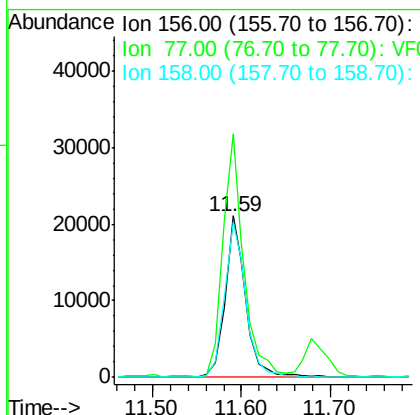
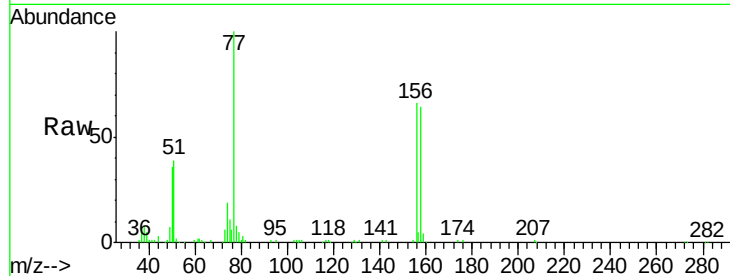




#77
Bromobenzene
Concen: 11.72 ug/l
RT: 11.59 min Scan# 1122
Delta R.T. 0.00 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

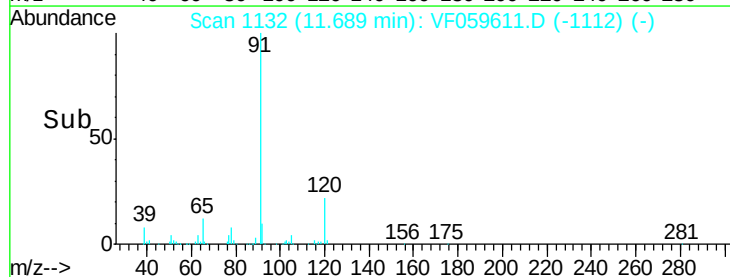
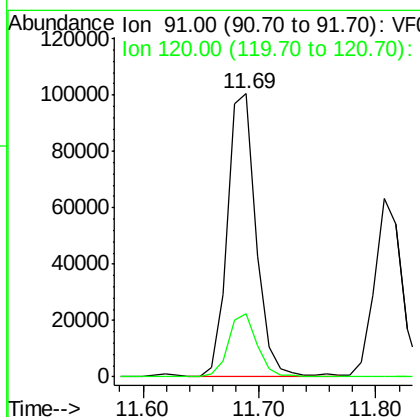
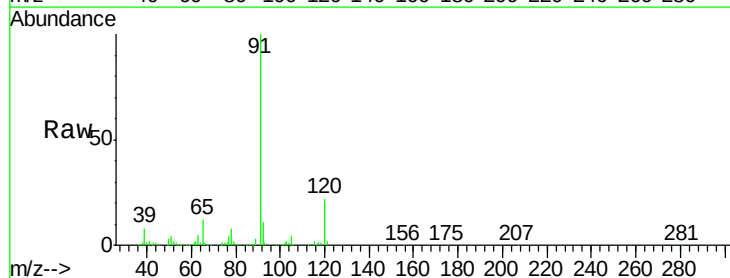
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

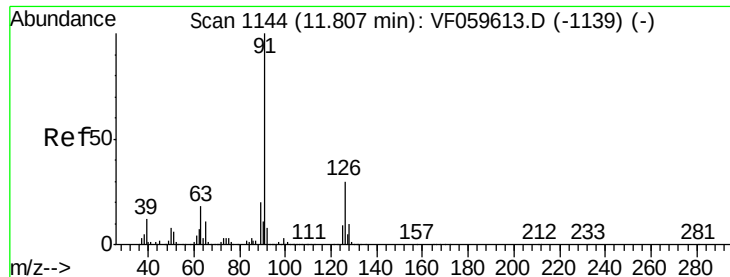
Tot Ion:156 Resp: 34268
Ion Ratio Lower Upper
156 100
77 151.0 72.1 216.3
158 96.0 47.3 141.9



#78
n-propylbenzene
Concen: 13.75 ug/l
RT: 11.69 min Scan# 1132
Delta R.T. 0.00 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

Tgt Ion: 91 Resp: 170375
Ion Ratio Lower Upper
91 100
120 22.1 11.6 34.7





#79

2-Chlorotoluene

Concen: 13.71 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_F

ClientSampleId :

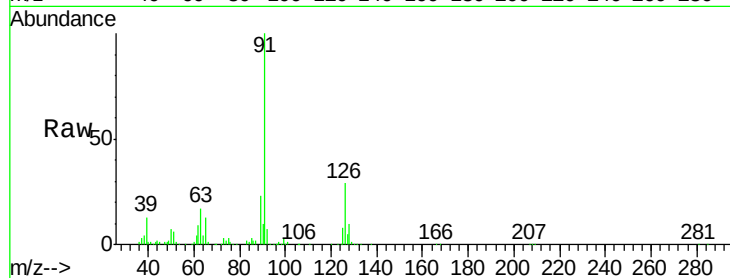
VSTDIC010

Tot Ion: 91 Resp: 103046

Ion Ratio Lower Upper

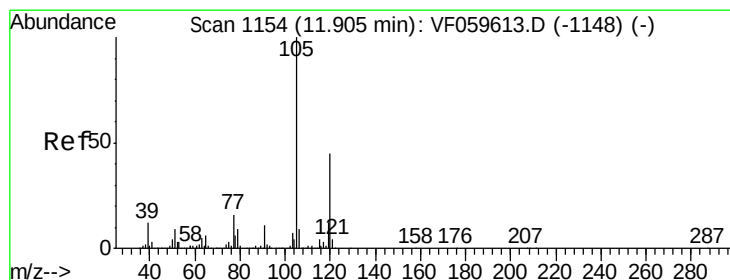
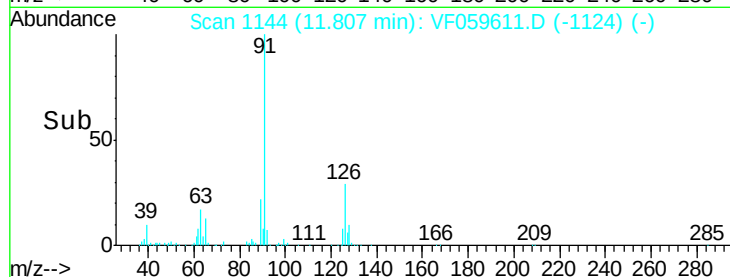
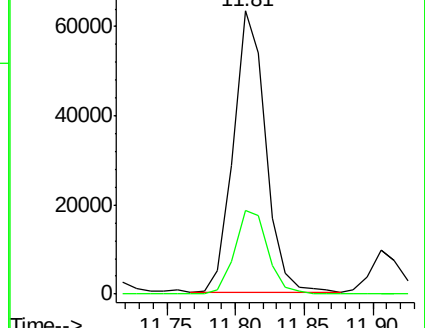
91 100

126 29.4 15.1 45.3



Abundance Ion 91.00 (90.70 to 91.70): VF059611.D (-1139) (-)

Ion 126.00 (125.70 to 126.70): VF059611.D (-1139) (-)



#80

1,3,5-Trimethylbenzene

Concen: 14.01 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VF059611.D

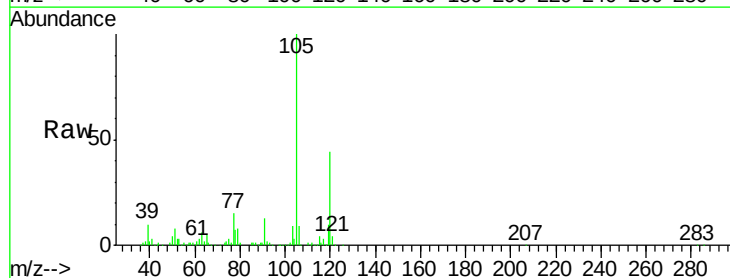
Acq: 23 Jul 2018 13:23

Tgt Ion: 105 Resp: 126398

Ion Ratio Lower Upper

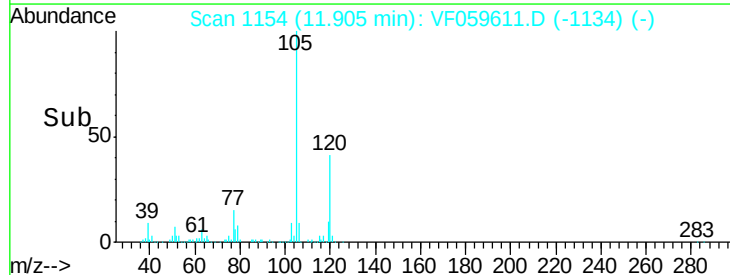
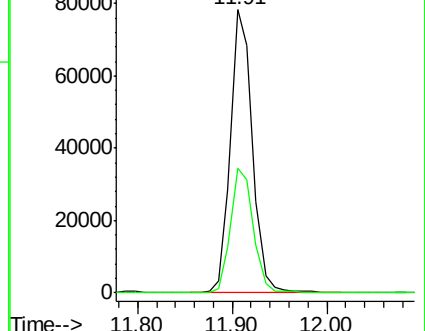
105 100

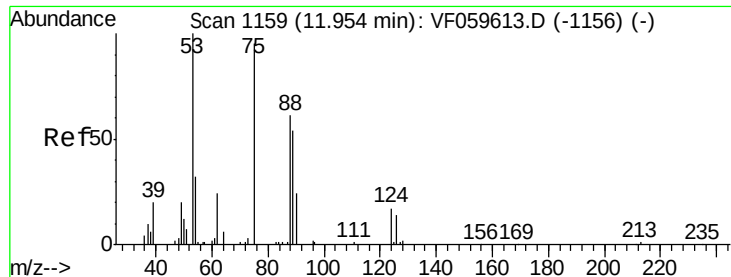
120 43.9 22.4 67.0



Abundance Ion 105.00 (104.70 to 105.70): VF059611.D (-1134) (-)

Ion 120.00 (119.70 to 120.70): VF059611.D (-1134) (-)

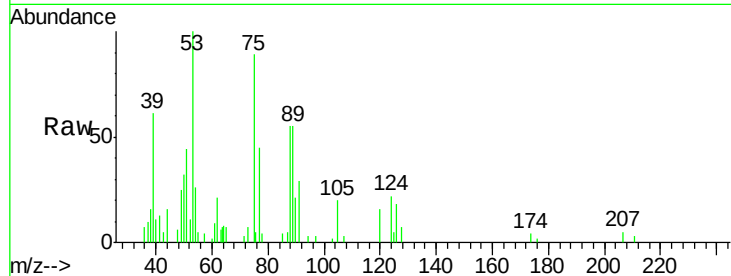




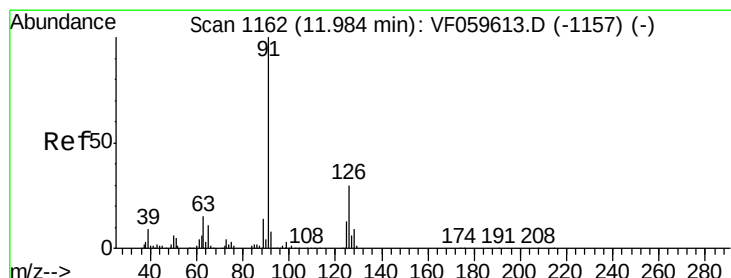
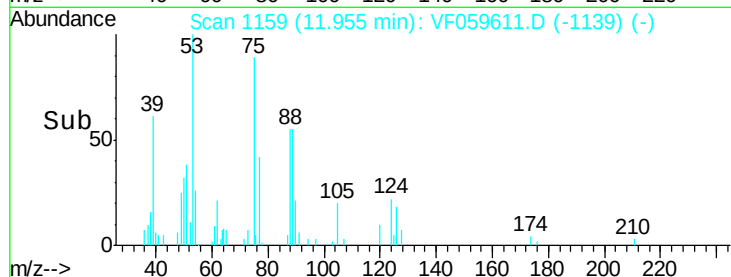
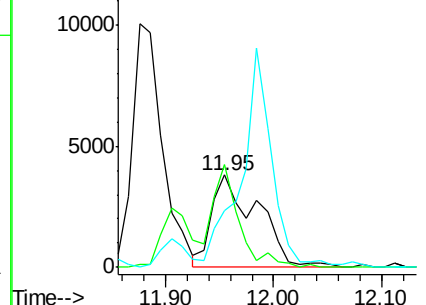
#81
trans-1,4-Dichloro-2-butene
Concen: 12.86 ug/l
RT: 11.95 min Scan# 1159
Delta R.T. 0.00 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion: 75 Resp: 11232
Ion Ratio Lower Upper
75 100
53 112.2 86.4 129.6
89 61.6 46.8 70.2

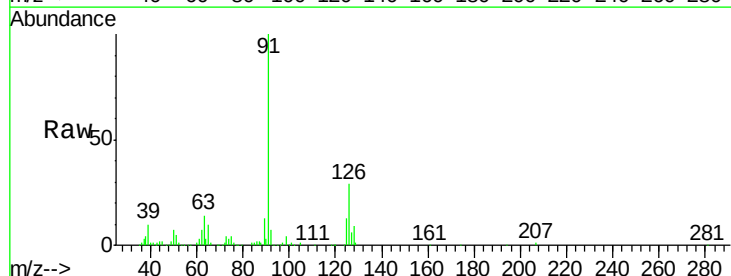


Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 53.00 (52.70 to 53.70): VF0
Ion 89.00 (88.70 to 89.70): VF0

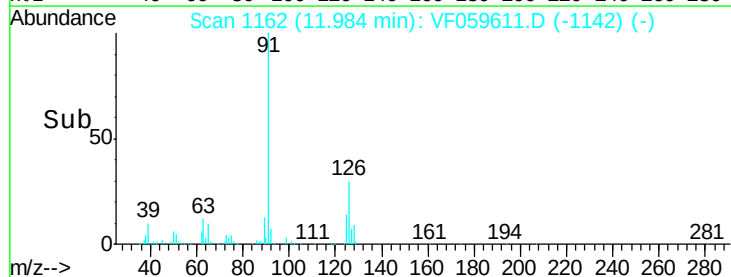
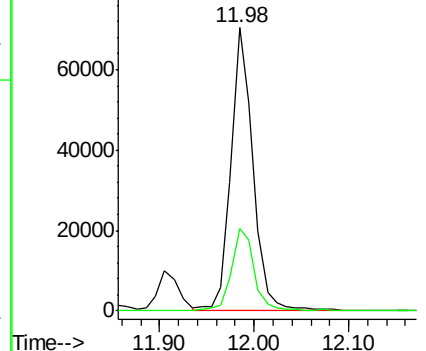


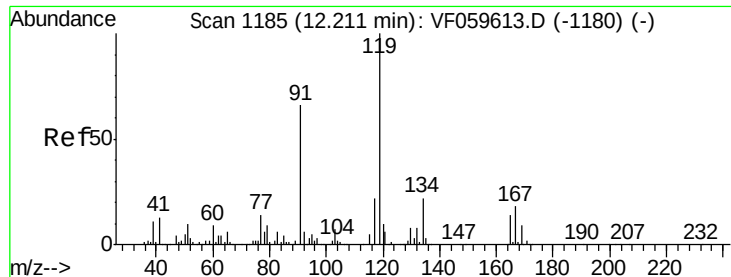
#82
4-Chlorotoluene
Concen: 13.45 ug/l
RT: 11.98 min Scan# 1162
Delta R.T. 0.00 min
Lab File: VF059611.D
Acq: 23 Jul 2018 13:23

Tgt Ion: 91 Resp: 112823
Ion Ratio Lower Upper
91 100
126 29.3 14.7 44.1



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 126.00 (125.70 to 126.70): VF0

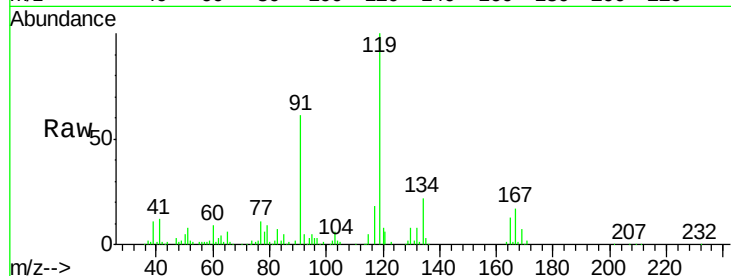




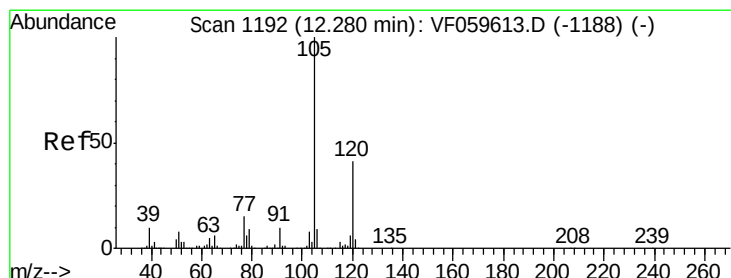
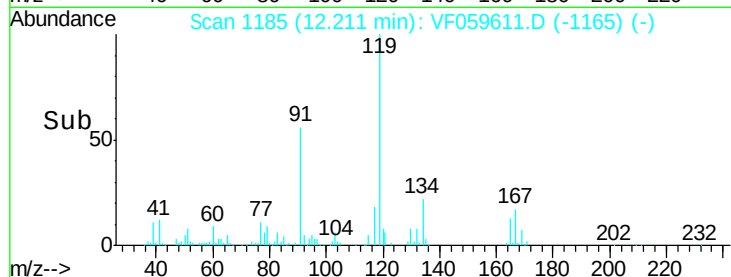
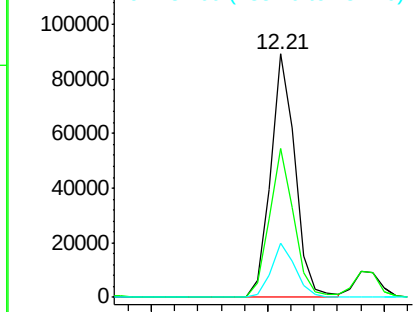
#83
 tert-Butylbenzene
 Concen: 14.72 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF059611.D
 Acq: 23 Jul 2018 13:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion:119 Resp: 129366
 Ion Ratio Lower Upper
 119 100
 91 61.0 33.2 99.6
 134 22.4 10.9 32.6

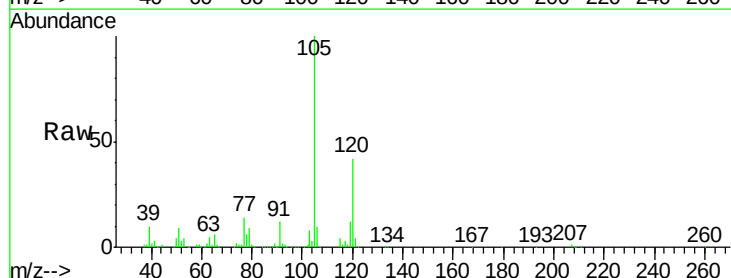


Abundance Ion 119.00 (118.70 to 119.70):
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70):

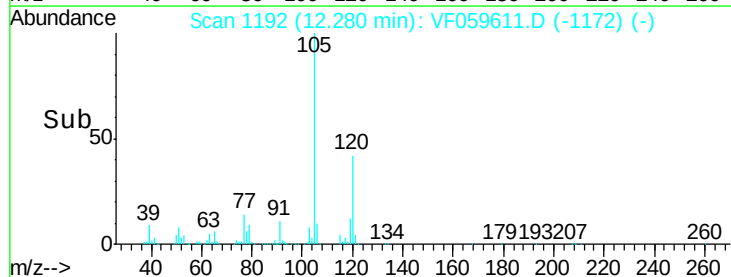
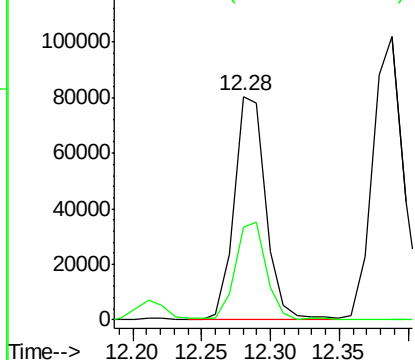


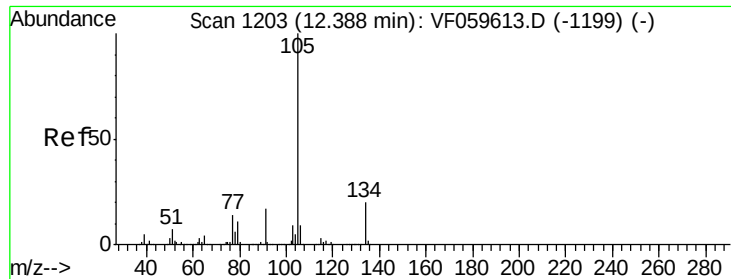
#84
 1,2,4-Trimethylbenzene
 Concen: 13.80 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: VF059611.D
 Acq: 23 Jul 2018 13:23

Tgt Ion:105 Resp: 128916
 Ion Ratio Lower Upper
 105 100
 120 41.5 20.4 61.3



Abundance Ion 105.00 (104.70 to 105.70):
 Ion 120.00 (119.70 to 120.70):





#85

sec-Butylbenzene

Concen: 14.30 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_F

ClientSampleId :

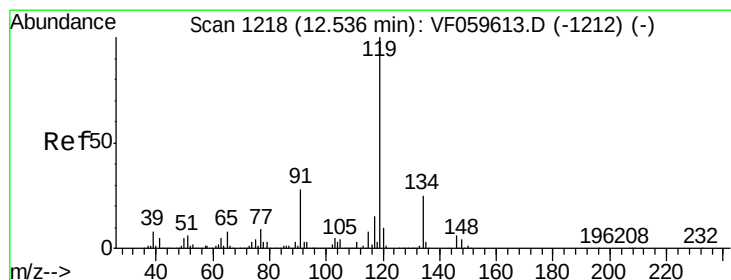
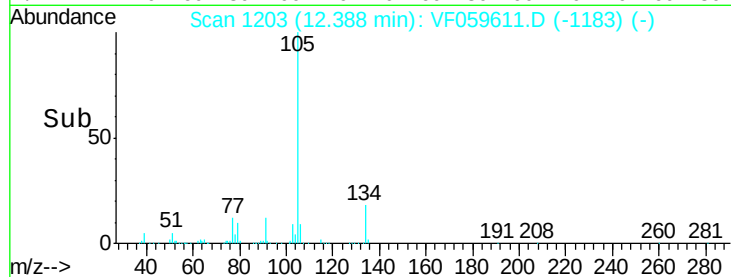
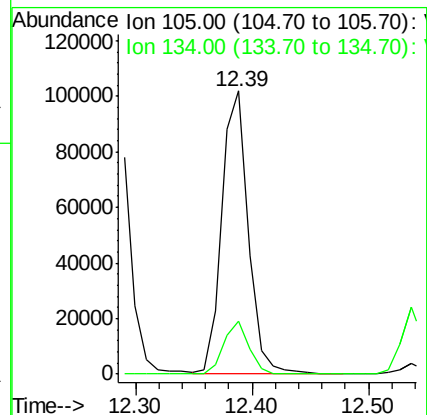
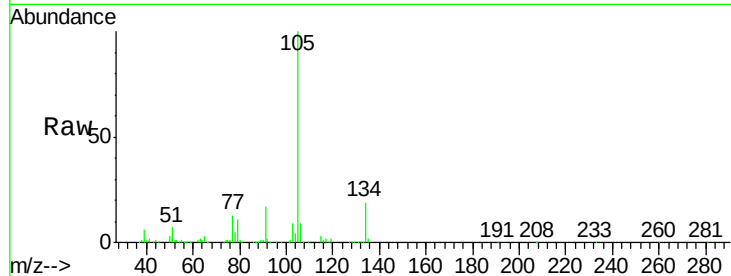
VSTDIC010

Tot Ion:105 Resp: 160656

Ion Ratio Lower Upper

105 100

134 18.6 9.9 29.7



#86

p-Isopropyltoluene

Concen: 14.24 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

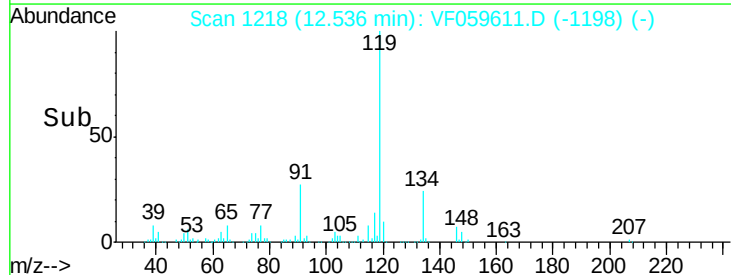
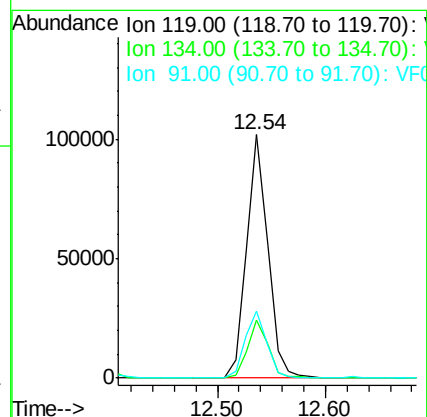
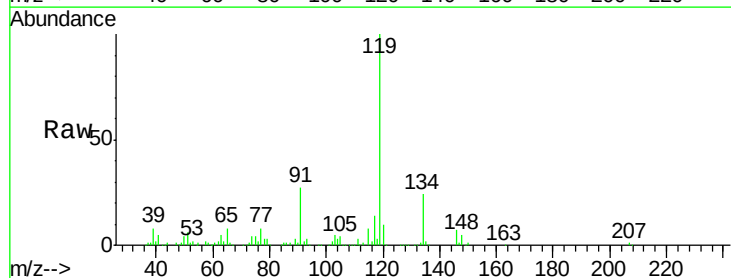
Tgt Ion:119 Resp: 139441

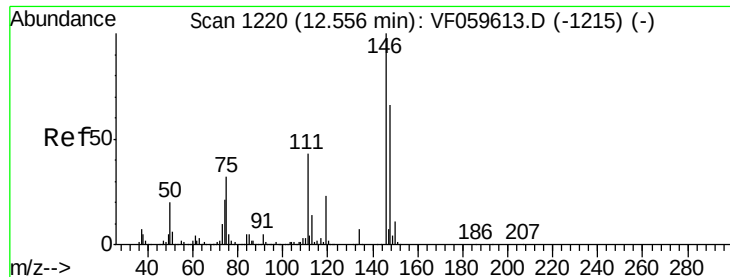
Ion Ratio Lower Upper

119 100

134 23.6 12.4 37.2

91 27.4 13.9 41.7





#87

1,3-Dichlorobenzene

Concen: 14.00 ug/l

RT: 12.56 min Scan# 1220

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

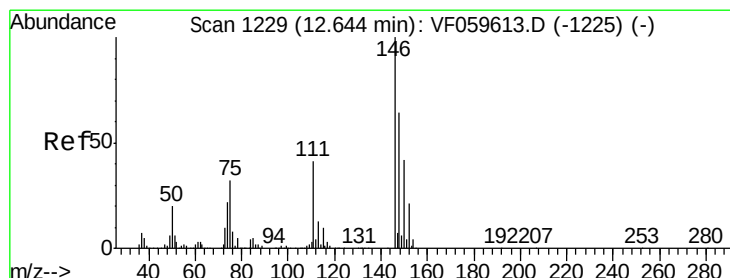
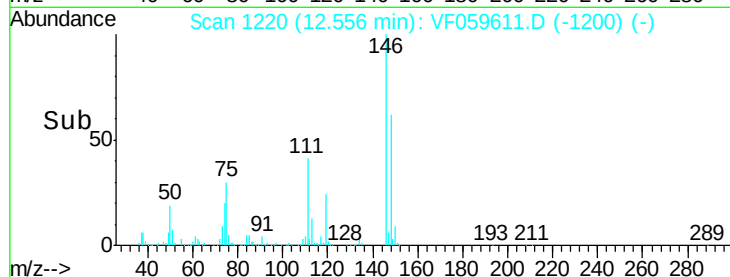
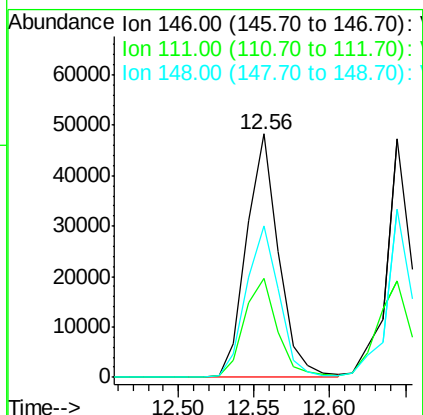
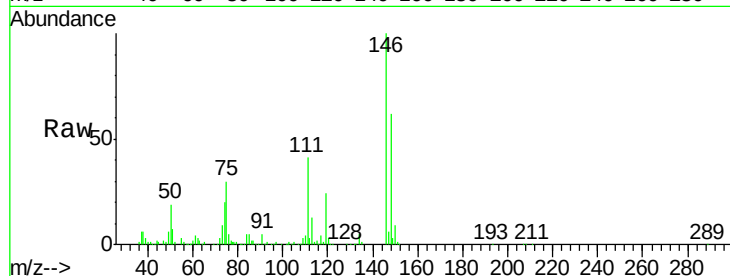
Tot Ion:146 Resp: 71845

Ion Ratio Lower Upper

146 100

111 40.8 21.6 64.8

148 62.1 33.1 99.3



#88

1,4-Dichlorobenzene

Concen: 11.49 ug/l

RT: 12.64 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

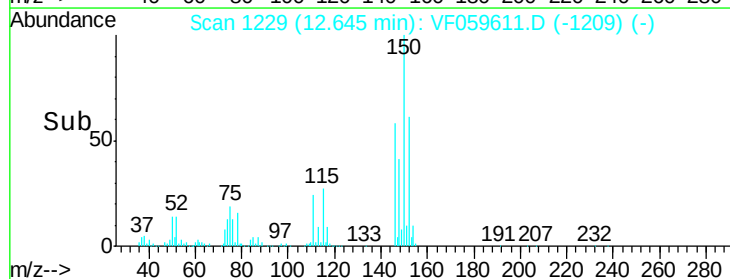
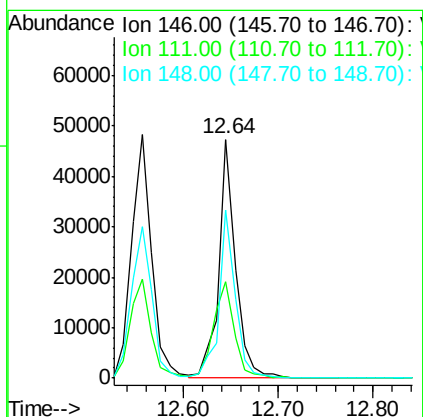
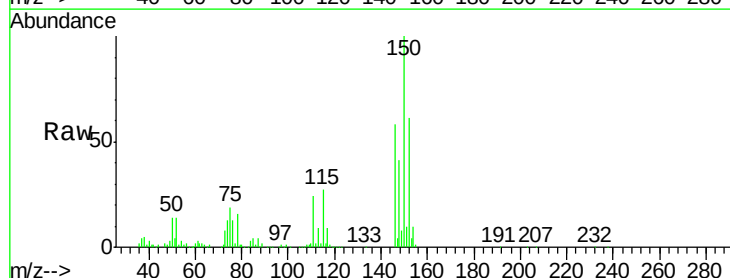
Tgt Ion:146 Resp: 58405

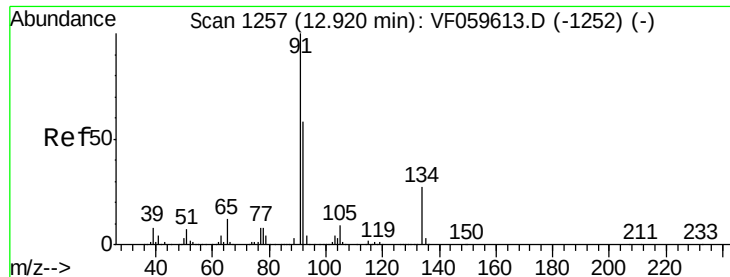
Ion Ratio Lower Upper

146 100

111 40.4 20.5 61.5

148 70.1 32.3 96.8





#89

n-Butylbenzene

Concen: 14.53 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

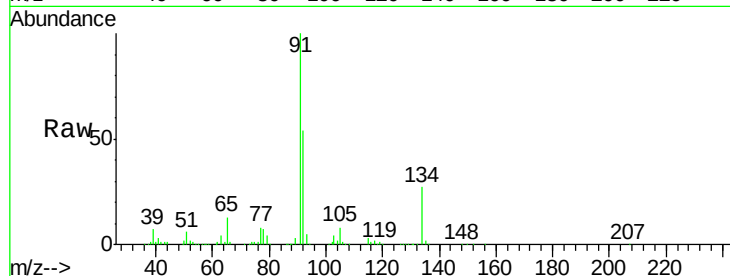
Tot Ion: 91 Resp: 134295

Ion Ratio Lower Upper

91 100

92 53.8 28.8 86.4

134 26.7 13.5 40.4

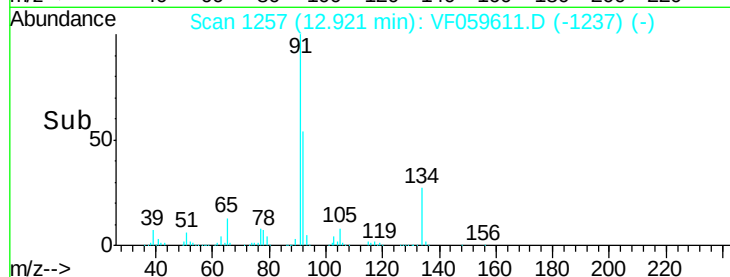


Abundance Ion 91.00 (90.70 to 91.70): VF059611.D (-1252) (-)

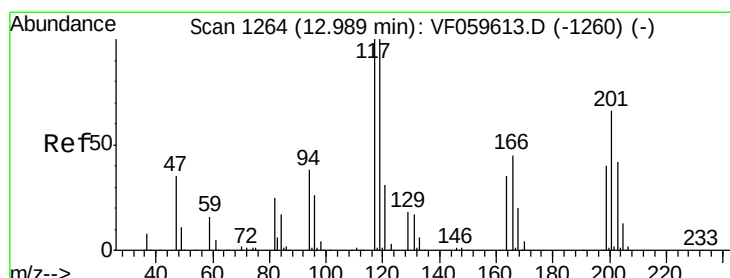
Ion 92.00 (91.70 to 92.70): VF059611.D (-1252) (-)

Ion 134.00 (133.70 to 134.70): VF059611.D (-1252) (-)

Time-->



Time-->



#90

Hexachloroethane

Concen: 14.20 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VF059611.D

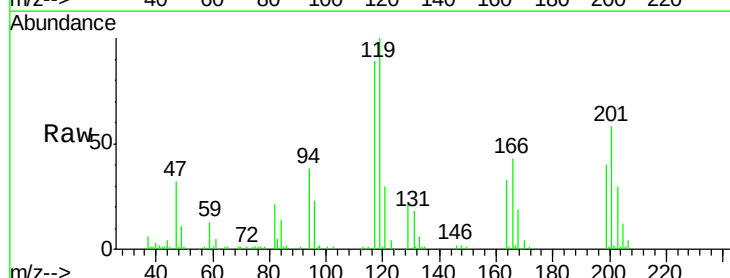
Acq: 23 Jul 2018 13:23

Tgt Ion: 117 Resp: 33496

Ion Ratio Lower Upper

117 100

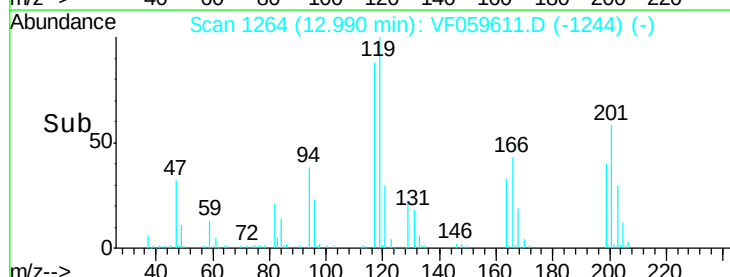
201 64.6 33.6 100.6



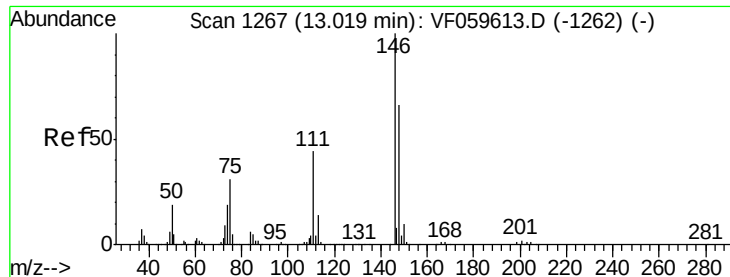
Abundance Ion 117.00 (116.70 to 117.70): VF059611.D (-1260) (-)

Ion 201.00 (200.70 to 201.70): VF059611.D (-1260) (-)

Time-->



Time-->



#91

1,2-Dichlorobenzene

Concen: 13.12 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

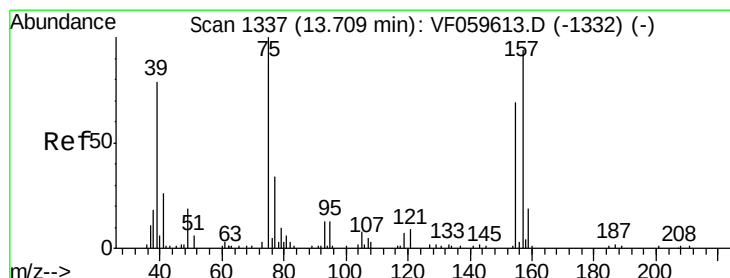
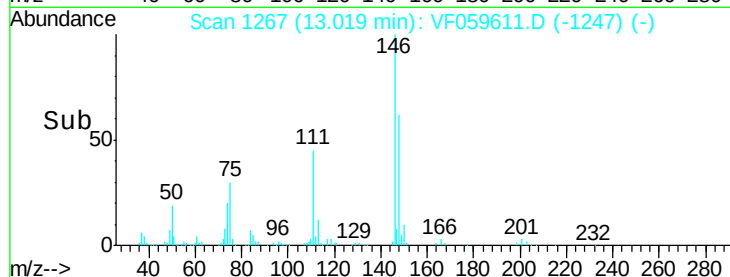
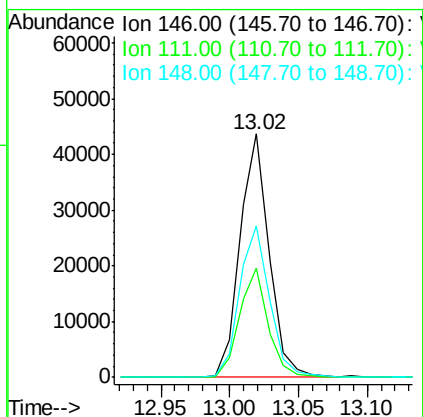
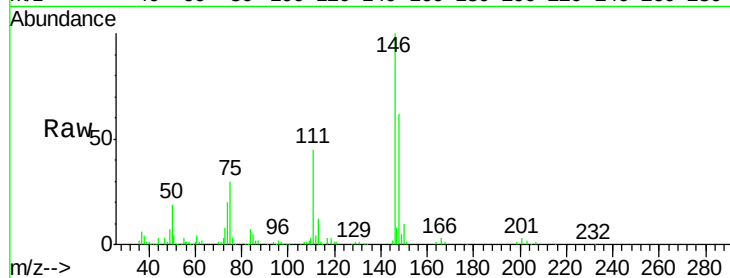
Tot Ion:146 Resp: 64262

Ion Ratio Lower Upper

146 100

111 44.7 21.8 65.3

148 62.3 32.9 98.7



#92

1,2-Dibromo-3-Chloropropane

Concen: 8.78 ug/l

RT: 13.71 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

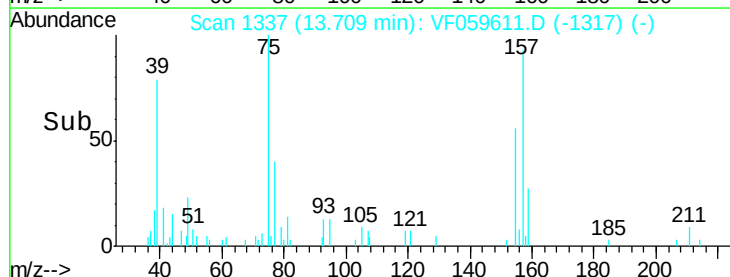
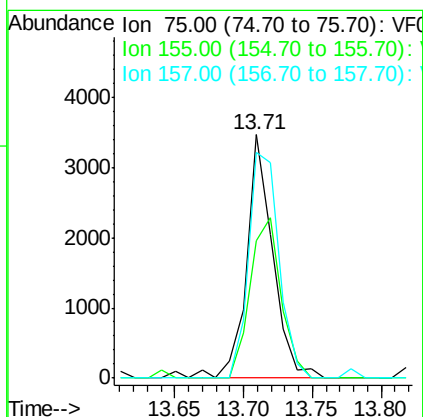
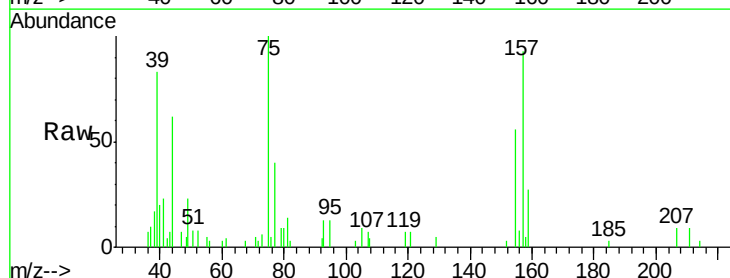
Tgt Ion: 75 Resp: 4615

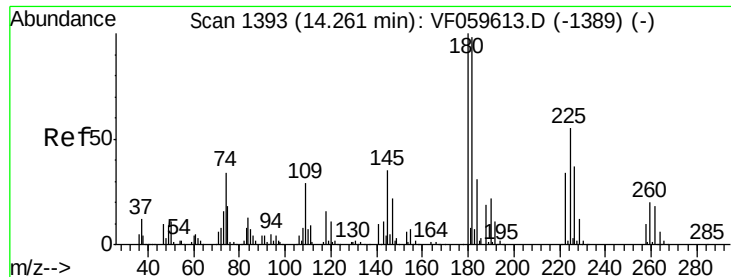
Ion Ratio Lower Upper

75 100

155 64.6 34.6 103.8

157 92.8 47.0 141.0

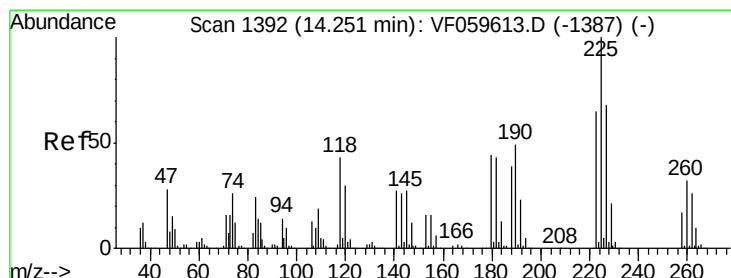
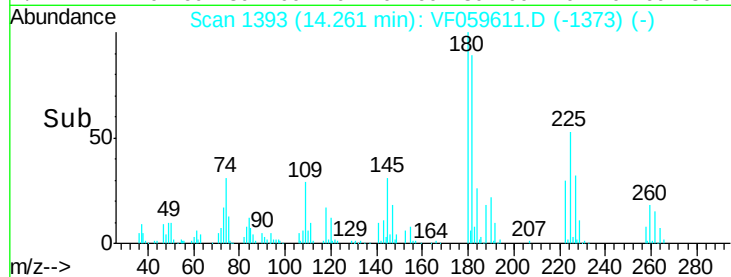
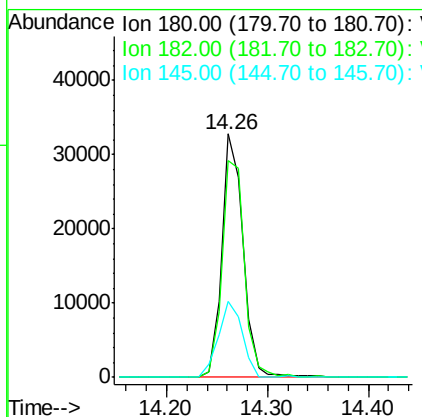
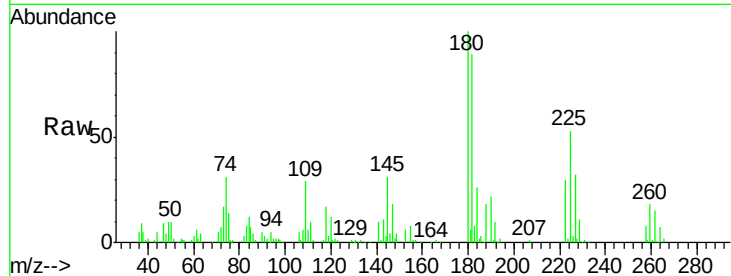




#93
 1,2,4-Trichlorobenzene
 Concen: 14.72 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059611.D
 Acq: 23 Jul 2018 13:23

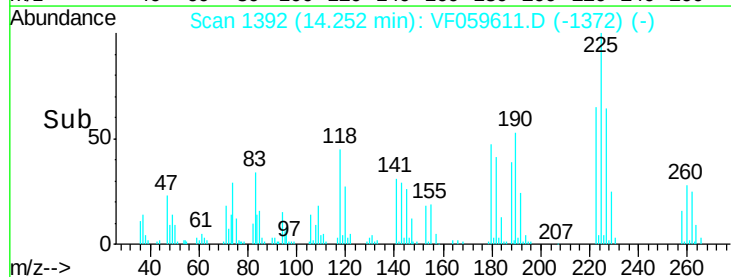
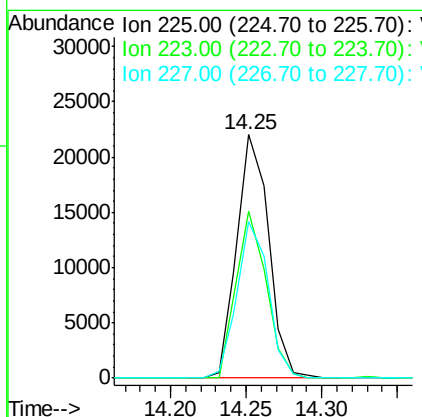
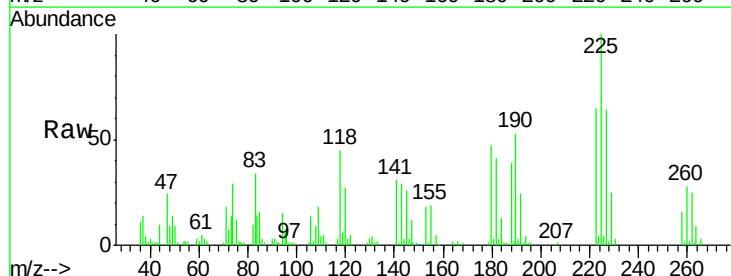
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

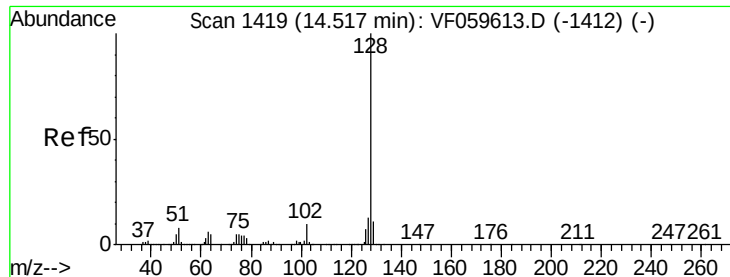
Tot Ion:180 Resp: 47986
 Ion Ratio Lower Upper
 180 100
 182 89.1 48.8 146.3
 145 31.0 17.5 52.6



#94
 Hexachlorobutadiene
 Concen: 16.99 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059611.D
 Acq: 23 Jul 2018 13:23

Tgt Ion:225 Resp: 32282
 Ion Ratio Lower Upper
 225 100
 223 68.8 32.6 98.0
 227 64.4 33.9 101.6





#95

Naphthalene

Concen: 11.39 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

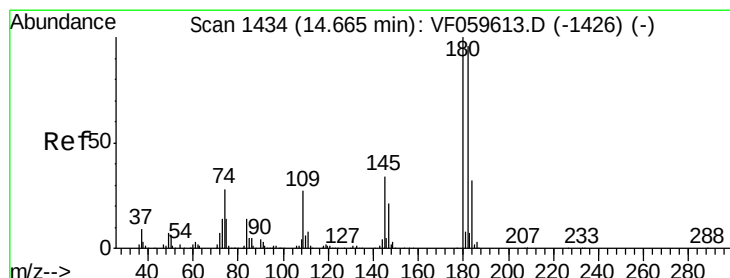
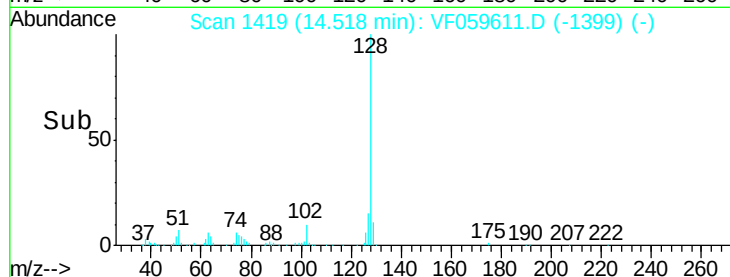
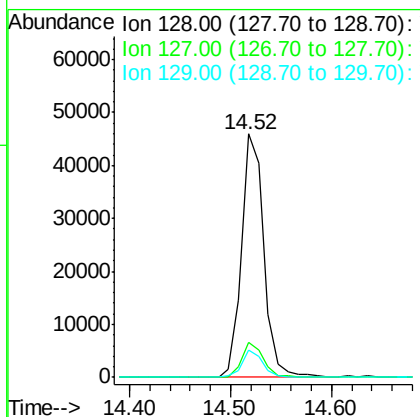
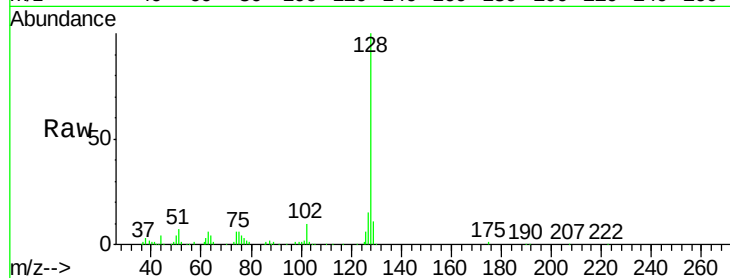
Tot Ion:128 Resp: 70795

Ion Ratio Lower Upper

128 100

127 14.6 10.2 15.2

129 11.4 9.1 13.7



#96

1,2,3-Trichlorobenzene

Concen: 13.85 ug/l

RT: 14.67 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VF059611.D

Acq: 23 Jul 2018 13:23

Tgt Ion:180 Resp: 40738

Ion Ratio Lower Upper

180 100

182 93.1 48.0 144.2

145 33.1 17.1 51.2

