

Data Path : Z:\voasrv\HPCHEM1\MSVOA F\Data\VF072318\
 Data File : VF059613.D
 Acq On : 23 Jul 2018 14:19
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 84 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Quant Time: Jul 23 14:41:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072318S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 23 14:43:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	218947	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	304042	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	317262	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	205068	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	181313	52.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.46%	
35) Dibromofluoromethane	4.29	113	146787	54.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.92%	
50) Toluene-d8	7.71	98	365656	54.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.94%	
62) 4-Bromofluorobenzene	11.51	95	205908	57.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	132023	48.34	ug/l	100
3) Chloromethane	1.08	50	54804	37.66	ug/l	100
4) Vinyl Chloride	1.15	62	67077	45.05	ug/l	100
5) Bromomethane	1.34	94	57987	53.79	ug/l	100
6) Chloroethane	1.42	64	40992	52.87	ug/l	100
7) Trichlorofluoromethane	1.54	101	106398	30.94	ug/l	100
8) Diethyl Ether	1.69	74	28442	41.73	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.89	101	89879	55.41	ug/l	100
10) Methyl Iodide	1.96	142	155086	55.17	ug/l	100
11) Tert butyl alcohol	2.67	59	32969	216.46	ug/l	100
12) 1,1-Dichloroethene	1.85	96	71853	43.60	ug/l	100
13) Acrolein	2.09	56	20819	253.72	ug/l	100
14) Allyl chloride	2.19	41	129398	59.57	ug/l	100
15) Acrylonitrile	3.06	53	52169	191.21	ug/l	100
16) Acetone	2.33	43	140010	247.97	ug/l	100
17) Carbon Disulfide	1.83	76	53191	14.15	ug/l	100
18) Methyl Acetate	2.44	43	42097	37.14	ug/l	100
19) Methyl tert-butyl Ether	2.53	73	207635	41.89	ug/l	100
20) Methylene Chloride	2.27	84	67886	36.11	ug/l	100
21) trans-1,2-Dichloroethene	2.40	96	72059	47.32	ug/l	100
22) Diisopropyl ether	2.92	45	250983	44.65	ug/l	100
23) Vinyl Acetate	3.32	43	648312	200.47	ug/l	100
24) 1,1-Dichloroethane	2.99	63	172056	48.32	ug/l	100
25) 2-Butanone	4.50	43	147963	196.07	ug/l	100
26) 2,2-Dichloropropane	3.75	77	151147	61.22	ug/l	100
27) cis-1,2-Dichloroethene	3.63	96	88828	50.35	ug/l	100
28) Bromochloromethane	3.88	49	64279	42.83	ug/l	100
29) Tetrahydrofuran	4.25	42	58796	172.80	ug/l	100
30) Chloroform	4.03	83	243670	47.74	ug/l	100
31) Cyclohexane	3.85	56	95559	50.75	ug/l	100
32) 1,1,1-Trichloroethane	4.27	97	217801	61.83	ug/l	100
36) 1,1-Dichloropropene	4.45	75	146765	48.09	ug/l	100
37) Ethyl Acetate	4.29	43	63251	35.99	ug/l	100
38) Carbon Tetrachloride	4.16	117	251839	66.31	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA F\Data\VF072318\
 Data File : VF059613.D
 Acq On : 23 Jul 2018 14:19
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 84 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Quant Time: Jul 23 14:41:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072318S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 23 14:43:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	118065	50.17	µg/l	100
40) Benzene	4.81	78	265301	45.32	µg/l	100
41) Methacrylonitrile	4.90	41	39455	45.66	µg/l	100
42) 1,2-Dichloroethane	5.11	62	185792	48.02	µg/l	100
43) Isopropyl Acetate	7.10	43	82986	39.42	µg/l	100
44) Trichloroethene	5.67	130	106817	48.56	µg/l	100
45) 1,2-Dichloropropane	6.39	63	75016	46.31	µg/l	100
46) Dibromomethane	6.25	93	67313	45.71	µg/l	100
47) Bromodichloromethane	6.54	83	198581	51.33	µg/l	100
48) Methyl methacrylate	6.87	41	59078	39.46	µg/l	100
49) 1,4-Dioxane	6.86	88	7375	1068.68	µg/l	100
51) 4-Methyl-2-Pentanone	8.41	43	280776	190.31	µg/l	100
52) Toluene	7.77	92	199764	46.59	µg/l	100
53) t-1,3-Dichloropropene	8.43	75	163959	46.82	µg/l	100
54) cis-1,3-Dichloropropene	7.45	75	166569	47.79	µg/l	100
55) 1,1,2-Trichloroethane	8.63	97	74674	45.85	µg/l	100
56) Ethyl methacrylate	8.75	69	84258	42.34	µg/l	100
57) 1,3-Dichloropropane	9.00	76	126138	43.70	µg/l	100
58) 2-Chloroethyl Vinyl ether	7.77	63	45732	249.63	µg/l	100
59) 2-Hexanone	9.63	43	239599	212.72	µg/l	100
60) Dibromochloromethane	8.86	129	137203	49.32	µg/l	100
61) 1,2-Dibromoethane	9.14	107	89254	44.03	µg/l	100
64) Tetrachloroethene	8.30	164	107724	45.62	µg/l	100
65) Chlorobenzene	9.93	112	284097	47.55	µg/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	130383	47.89	µg/l	100
67) Ethyl Benzene	10.03	91	489551	46.13	µg/l	100
68) m/p-Xylenes	10.27	106	334896	89.88	µg/l	100
69) o-Xylene	10.82	106	190656	47.62	µg/l	100
70) Styrene	10.90	104	288718	46.98	µg/l	100
71) Bromoform	10.89	173	82259	44.59	µg/l	100
73) Isopropylbenzene	11.23	105	604224	46.81	µg/l	100
74) N-amyl acetate	11.46	43	147005	37.11	µg/l	100
75) 1,1,2,2-Tetrachloroethane	11.79	83	106923	39.29	µg/l	100
76) 1,2,3-Trichloropropane	11.89	75	85972	38.59	µg/l	100
77) Bromobenzene	11.59	156	158046	44.16	µg/l	100
78) n-propylbenzene	11.69	91	711377	47.69	µg/l	100
79) 2-Chlorotoluene	11.81	91	427101	46.64	µg/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	532191	48.74	µg/l	100
81) trans-1,4-Dichloro-2-buten	11.95	75	51950	48.85	µg/l	100
82) 4-Chlorotoluene	11.98	91	462484	45.45	µg/l	100
83) tert-Butylbenzene	12.21	119	528344	50.32	µg/l	100
84) 1,2,4-Trimethylbenzene	12.28	105	552654	49.11	µg/l	100
85) sec-Butylbenzene	12.39	105	680738	50.78	µg/l	100
86) p-Isopropyltoluene	12.54	119	613747	52.25	µg/l	100
87) 1,3-Dichlorobenzene	12.56	146	289566	46.60	µg/l	100
88) 1,4-Dichlorobenzene	12.64	146	290636	47.24	µg/l	100
89) n-Butylbenzene	12.92	91	589005	53.44	µg/l	100
90) Hexachloroethane	12.99	117	152551	55.86	µg/l	100
91) 1,2-Dichlorobenzene	13.02	146	268519	45.33	µg/l	100
92) 1,2-Dibromo-3-Chloropropan	13.71	75	25006	40.39	µg/l	100

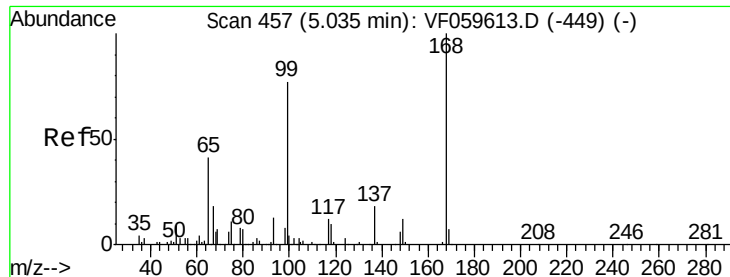
Data Path : Z:\voasrv\HPCHEM1\MSVOA F\Data\VF072318\
Data File : VF059613.D
Acq On : 23 Jul 2018 14:19
Operator : VA/AP
Sample : VSTDICCC050
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 84 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Quant Time: Jul 23 14:41:36 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072318S.M
Quant Title : SW846 8260
QLast Update : Mon Jul 23 14:43:39 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	213342	56.84	ug/l	100
94) Hexachlorobutadiene	14.25	225	147532	71.54	ug/l	100
95) Naphthalene	14.52	128	364596	48.59	ug/l	100
96) 1,2,3-Trichlorobenzene	14.67	180	198763	57.97	ug/l	100

(#) = 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: VF059613.D

Acq: 23 Jul 2018 14:19

Instrument :

MSVOA_F

ClientSampleId :

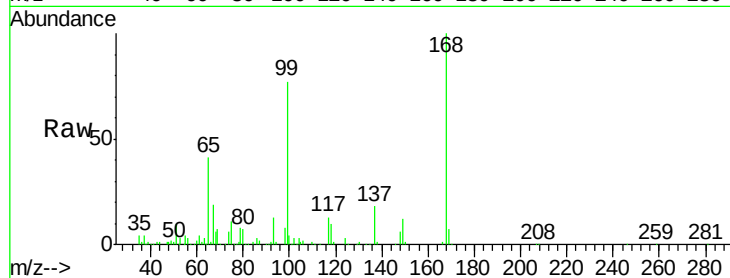
VSTDICCC050

Tot Ion:168 Resp: 218947

Ion Ratio Lower Upper

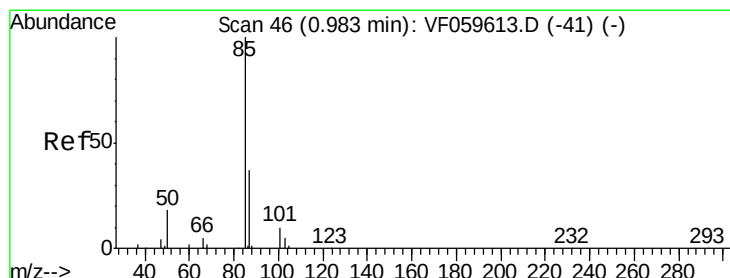
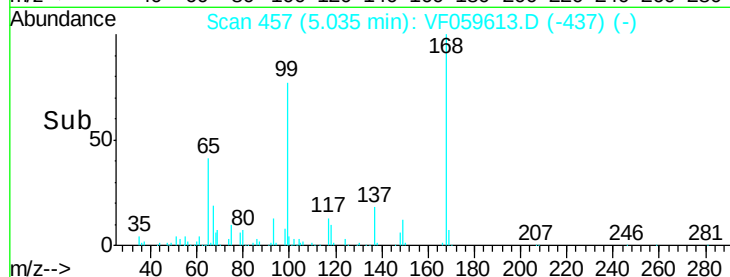
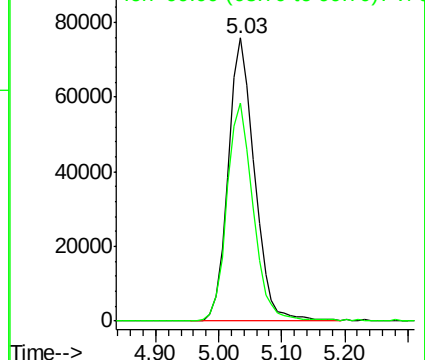
168 100

99 76.9 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: 48.34 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059613.D

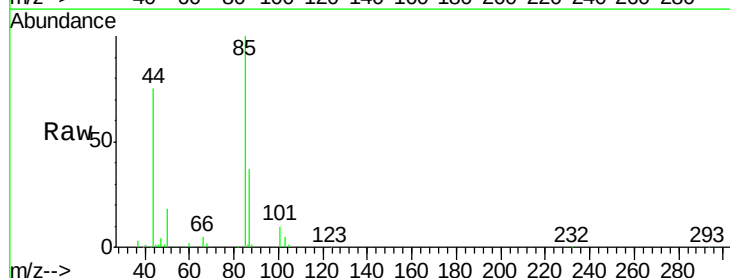
Acq: 23 Jul 2018 14:19

Tgt Ion: 85 Resp: 132023

Ion Ratio Lower Upper

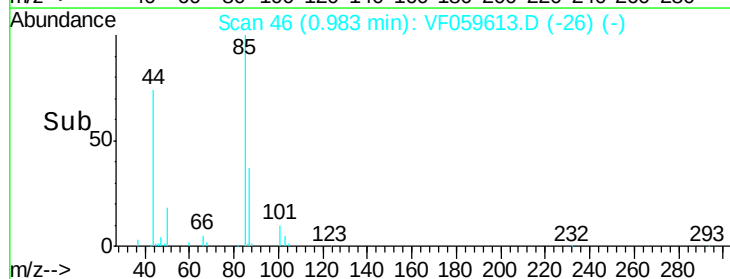
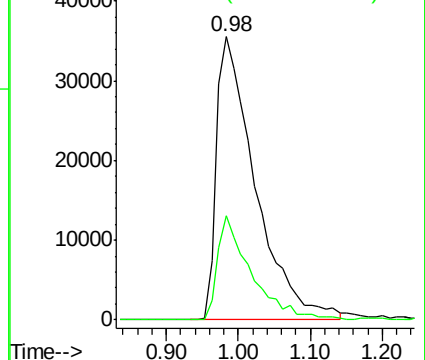
85 100

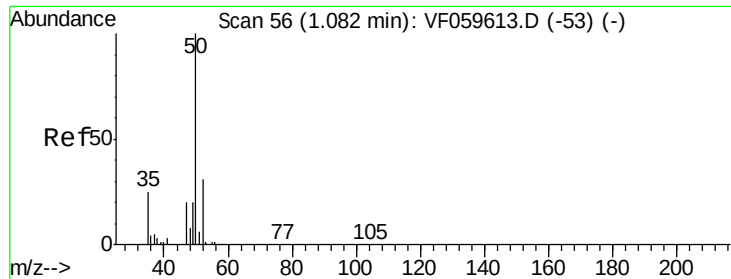
87 36.6 18.3 54.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 37.66 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Instrument :

MSVOA_F

ClientSampleId :

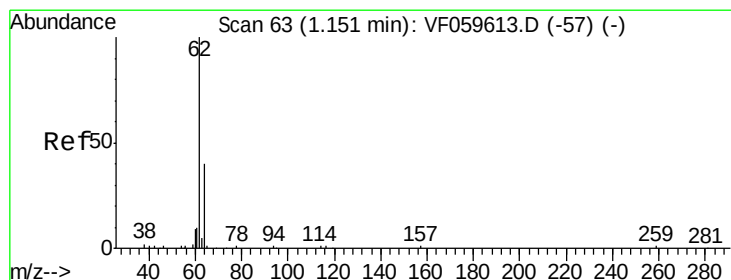
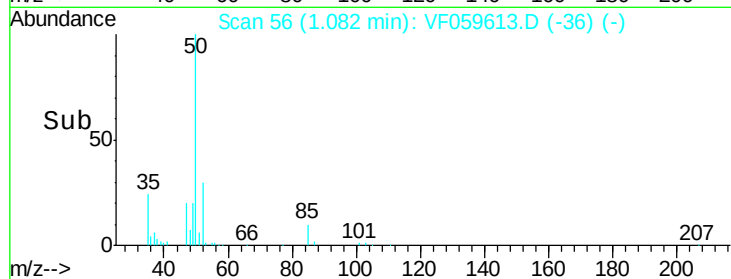
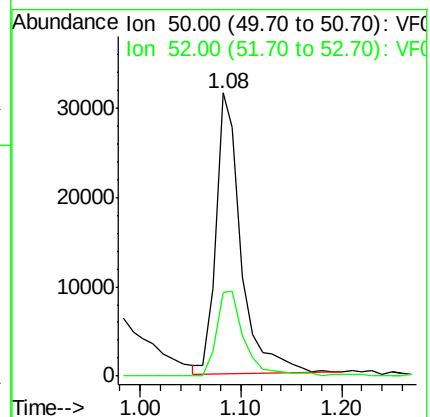
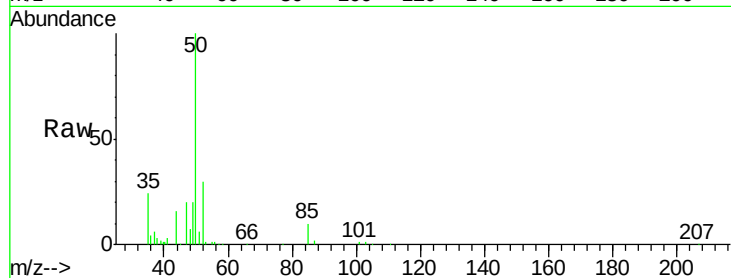
VSTDICCC050

Tot Ion: 50 Resp: 54804

Ion Ratio Lower Upper

50 100

52 29.6 23.7 35.5



#4

Vinyl Chloride

Concen: 45.05 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059613.D

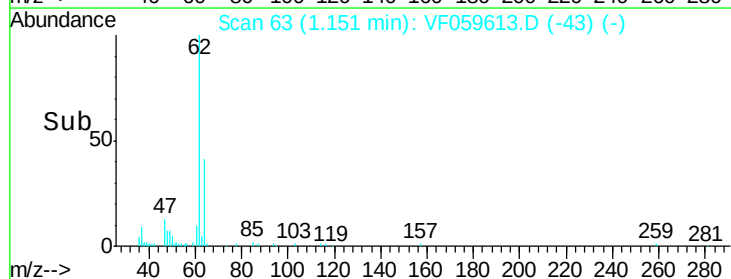
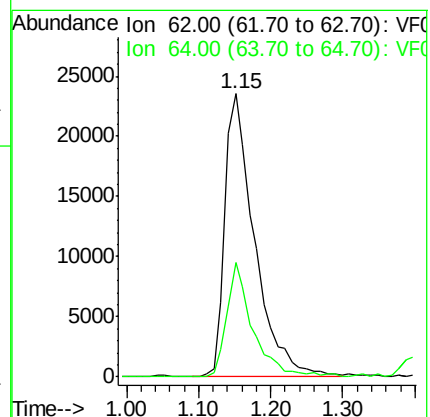
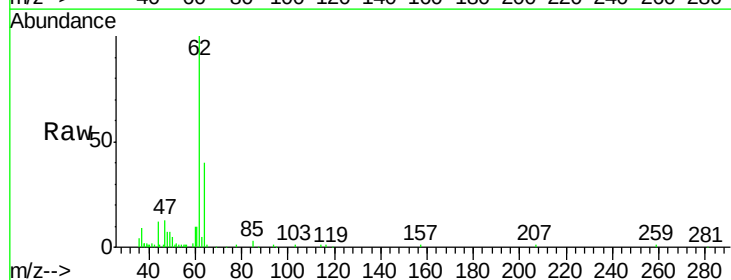
Acq: 23 Jul 2018 14:19

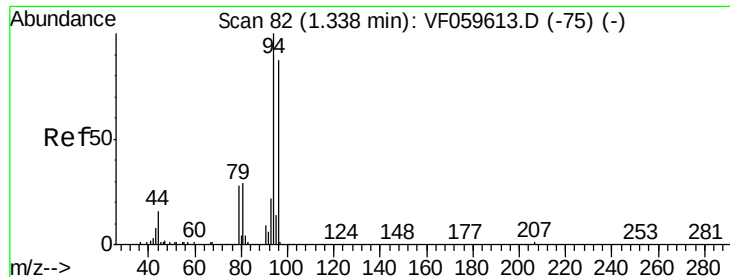
Tgt Ion: 62 Resp: 67077

Ion Ratio Lower Upper

62 100

64 40.3 32.2 48.4





#5

Bromomethane

Concen: 53.79 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Instrument :

MSVOA_F

ClientSampleId :

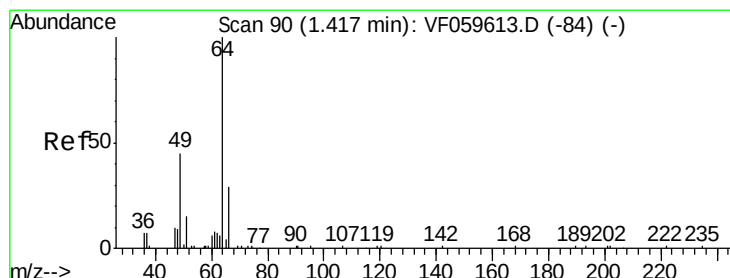
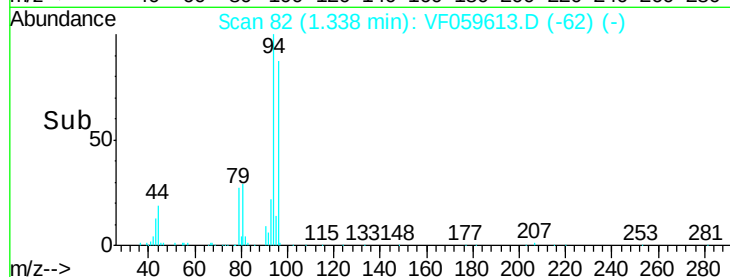
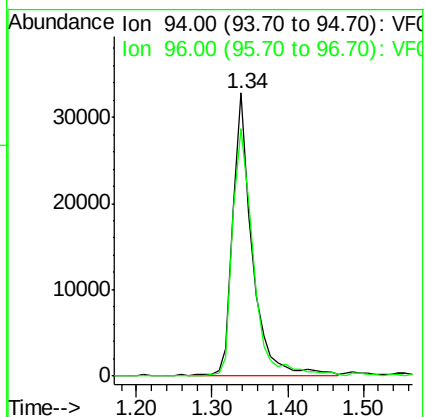
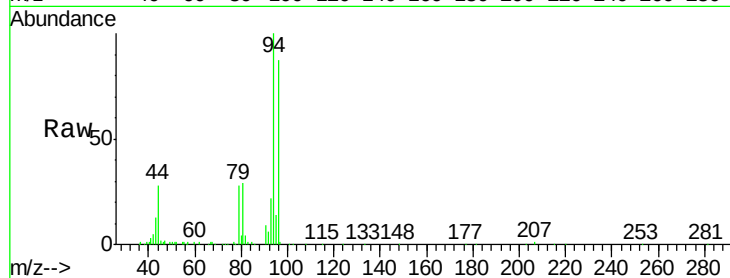
VSTDICCC050

Tot Ion: 94 Resp: 57987

Ion Ratio Lower Upper

94 100

96 87.3 69.8 104.8



#6

Chloroethane

Concen: 52.87 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.00 min

Lab File: VF059613.D

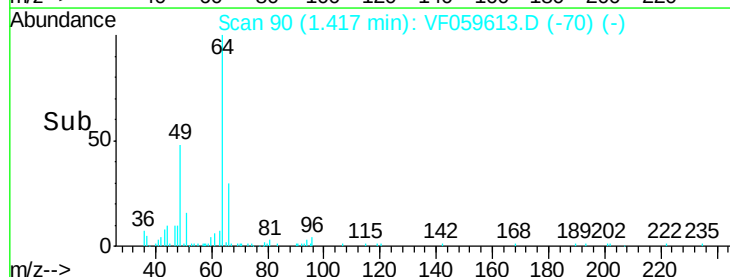
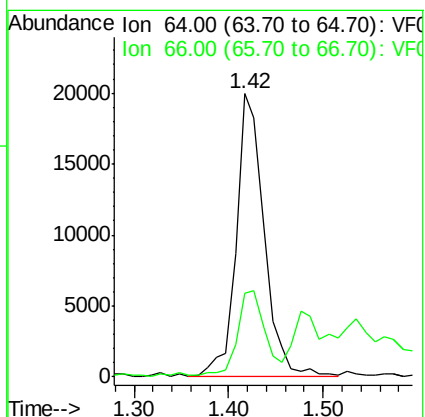
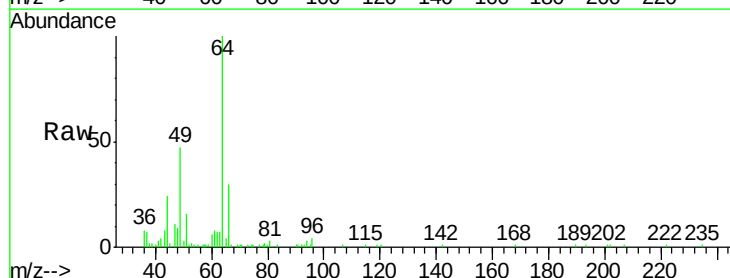
Acq: 23 Jul 2018 14:19

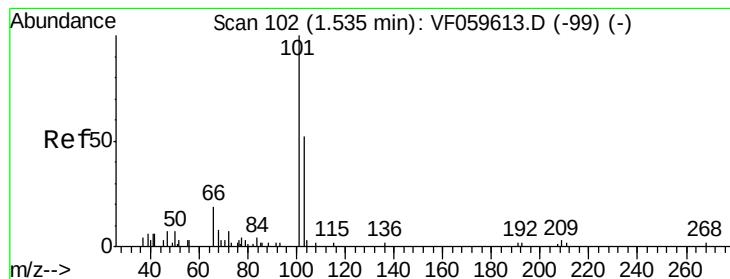
Tgt Ion: 64 Resp: 40992

Ion Ratio Lower Upper

64 100

66 29.6 23.7 35.5



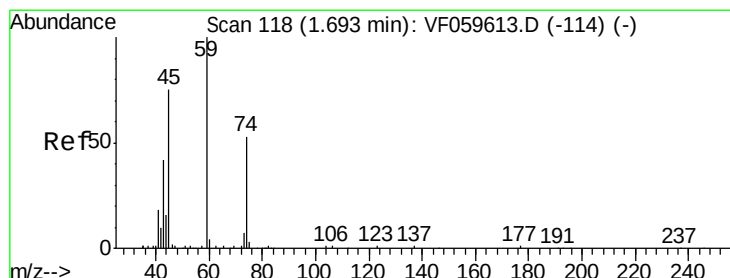
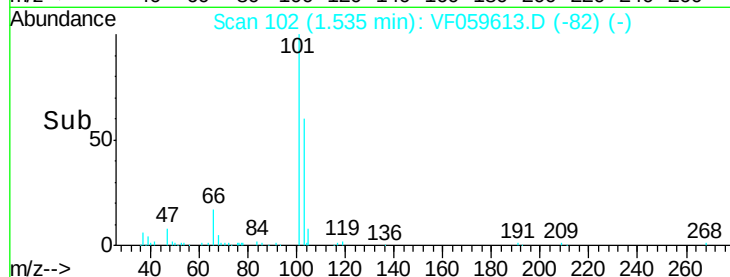
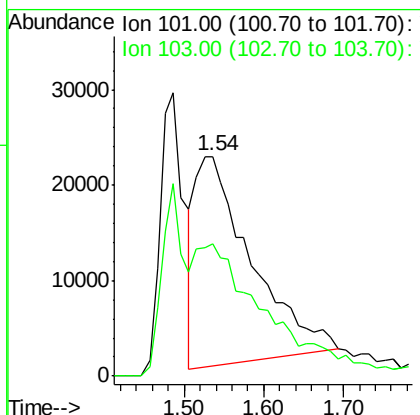
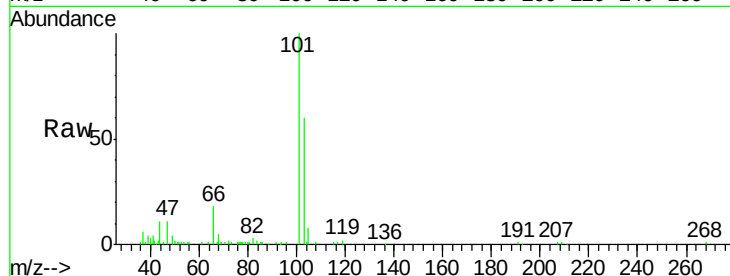


#7

Trichlorofluoromethane
 Concen: 30.94 ug/l
 RT: 1.54 min Scan# 102
 Delta R.T. 0.00 min
 Lab File: VF059613.D
 Acq: 23 Jul 2018 14:19

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

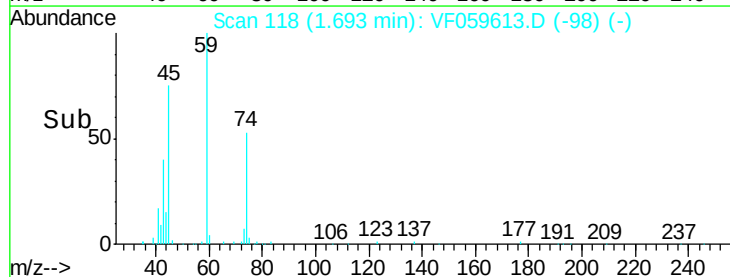
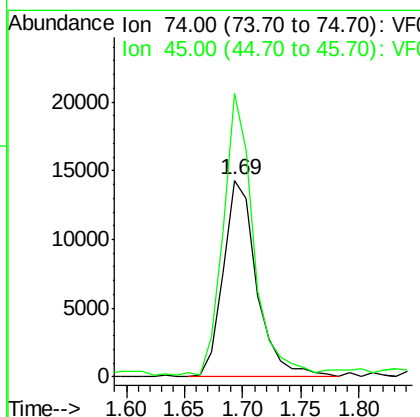
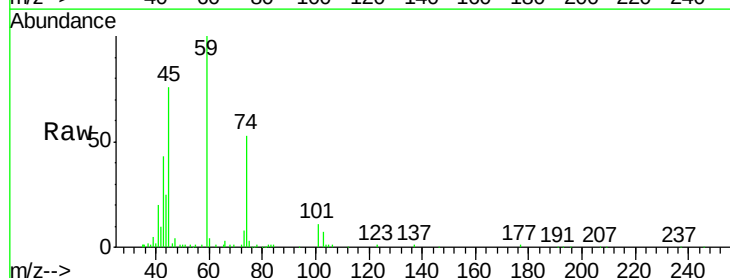
Tot Ion:101 Resp: 106398
 Ion Ratio Lower Upper
 101 100
 103 60.3 48.2 72.4

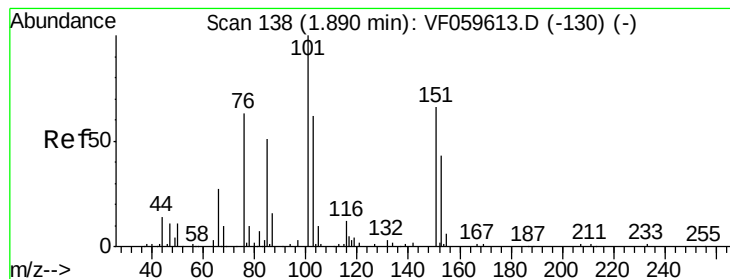


#8

Diethyl Ether
 Concen: 41.73 ug/l
 RT: 1.69 min Scan# 118
 Delta R.T. 0.00 min
 Lab File: VF059613.D
 Acq: 23 Jul 2018 14:19

Tgt Ion: 74 Resp: 28442
 Ion Ratio Lower Upper
 74 100
 45 143.9 72.0 215.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.41 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

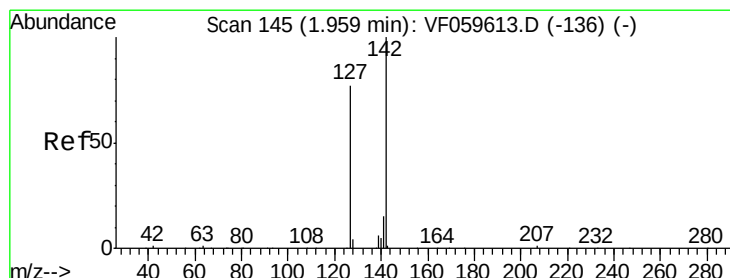
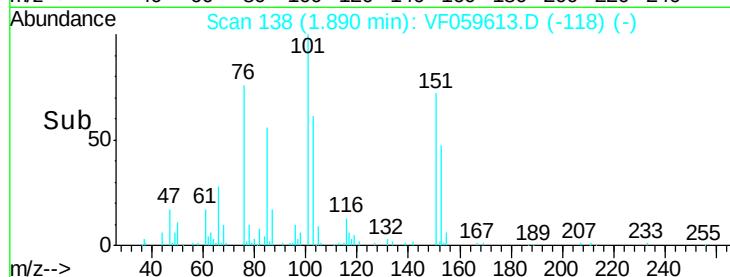
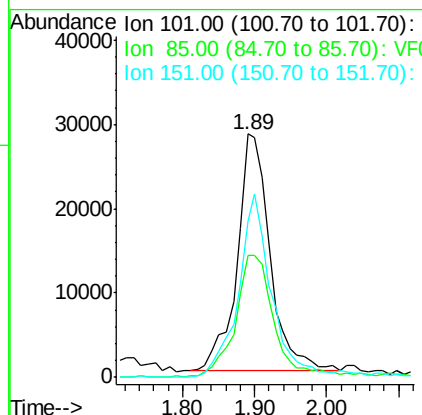
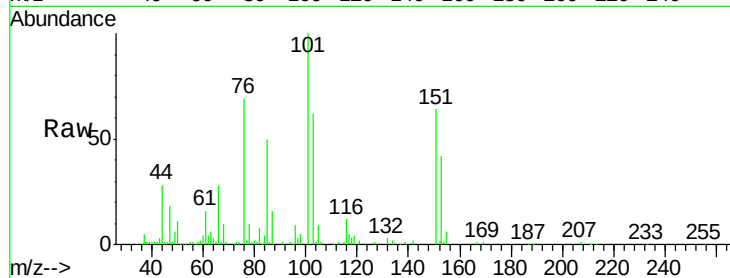
Tot Ion:101 Resp: 89879

Ion Ratio Lower Upper

101 100

85 50.2 40.2 60.2

151 64.3 51.4 77.2



#10

Methyl Iodide

Concen: 55.17 ug/l

RT: 1.96 min Scan# 145

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

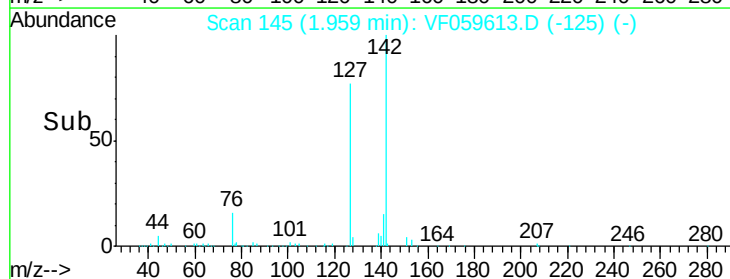
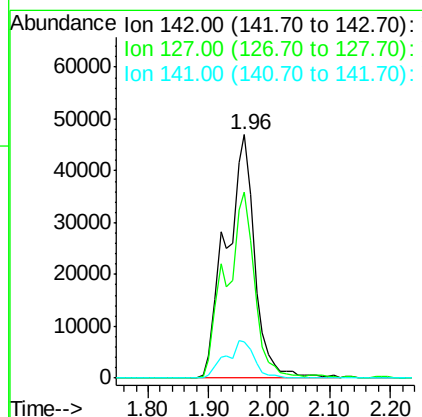
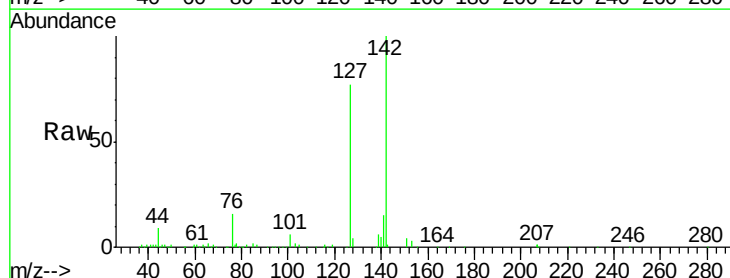
Tgt Ion:142 Resp: 155086

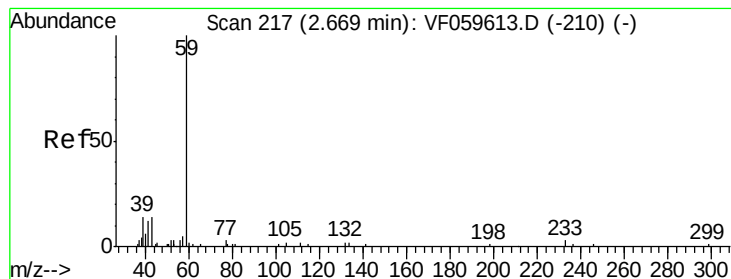
Ion Ratio Lower Upper

142 100

127 76.5 61.2 91.8

141 15.0 12.0 18.0



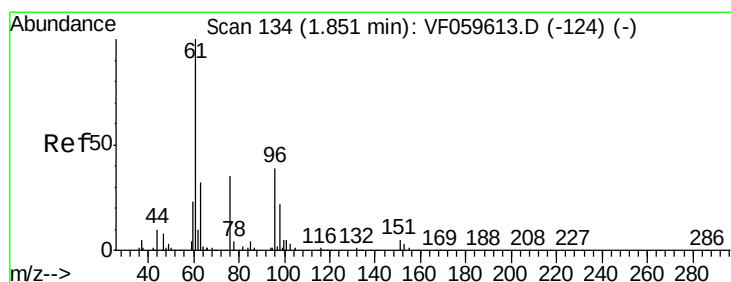
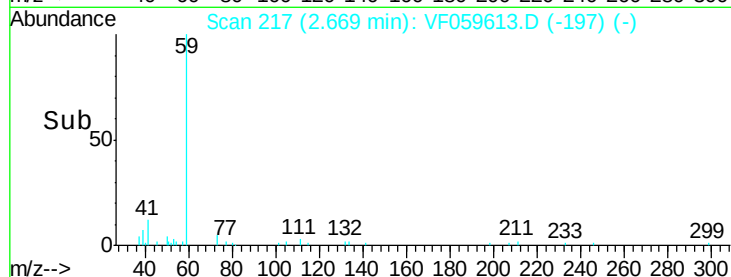
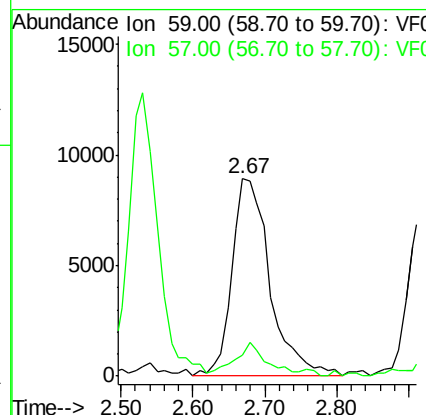
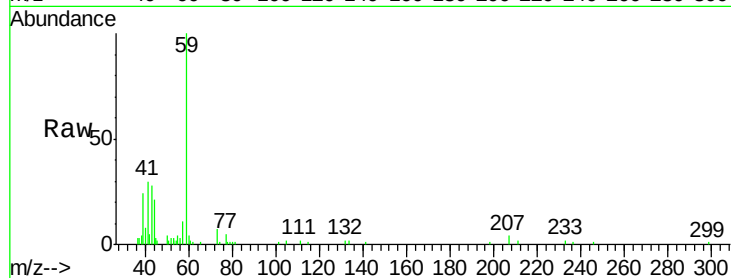


#11

Tert butyl alcohol
 Concen: 216.46 ug/l
 RT: 2.67 min Scan# 217
 Delta R.T. 0.00 min
 Lab File: VF059613.D
 Acq: 23 Jul 2018 14:19

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

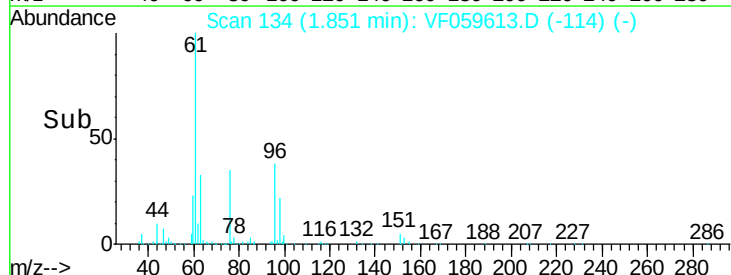
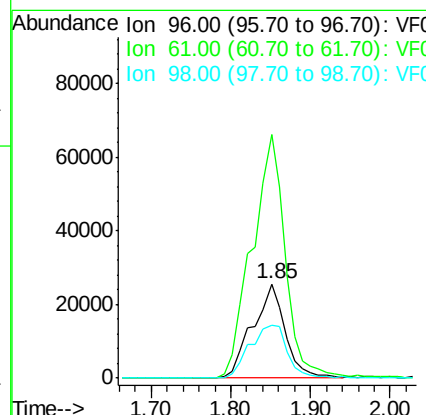
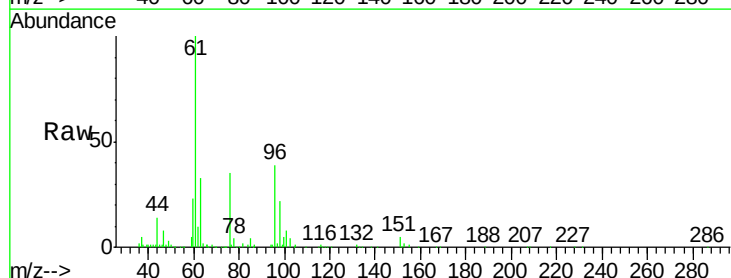
Tot Ion: 59 Resp: 32969
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.6 12.8

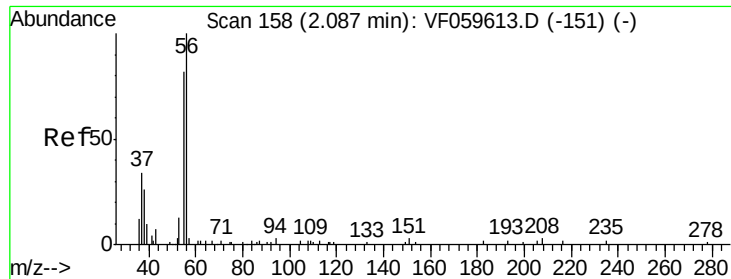


#12

1,1-Dichloroethene
 Concen: 43.60 ug/l
 RT: 1.85 min Scan# 134
 Delta R.T. 0.00 min
 Lab File: VF059613.D
 Acq: 23 Jul 2018 14:19

Tgt Ion: 96 Resp: 71853
 Ion Ratio Lower Upper
 96 100
 61 259.0 207.2 310.8
 98 56.9 45.5 68.3





#13

Acrolein

Concen: 253.72 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Instrument :

MSVOA_F

ClientSampleId :

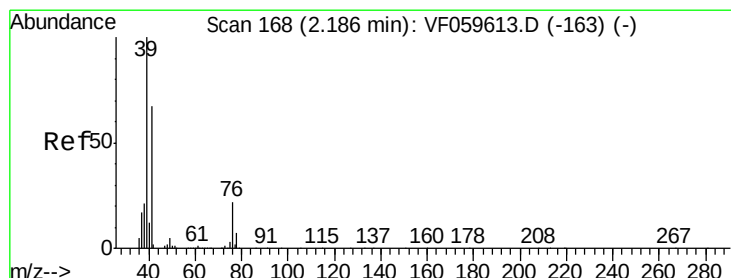
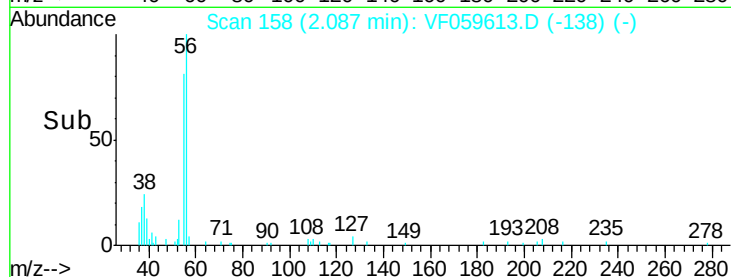
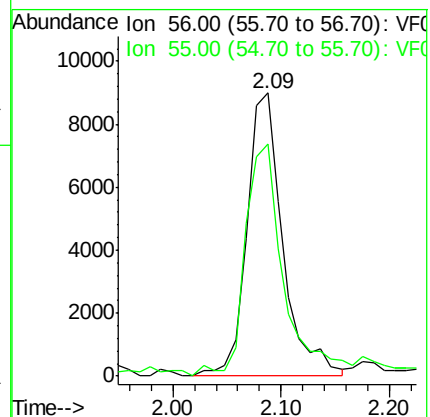
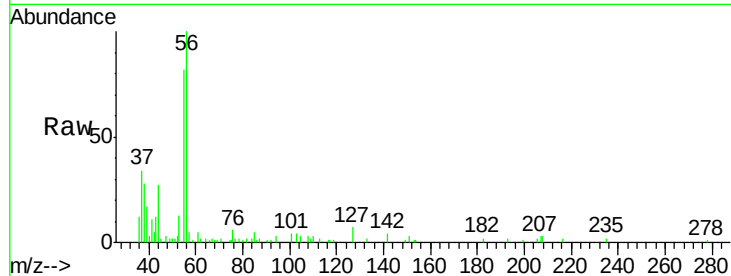
VSTDICCC050

Tot Ion: 56 Resp: 20819

Ion Ratio Lower Upper

56 100

55 82.0 65.6 98.4



#14

Allyl chloride

Concen: 59.57 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

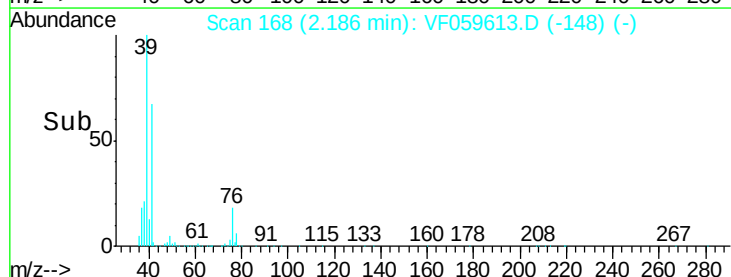
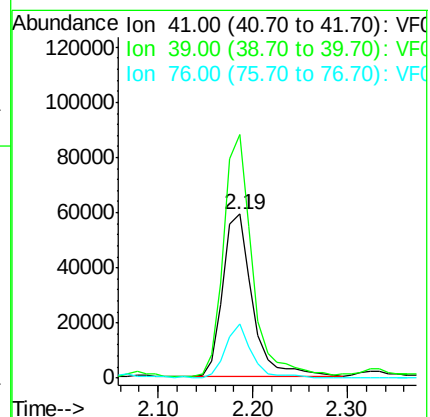
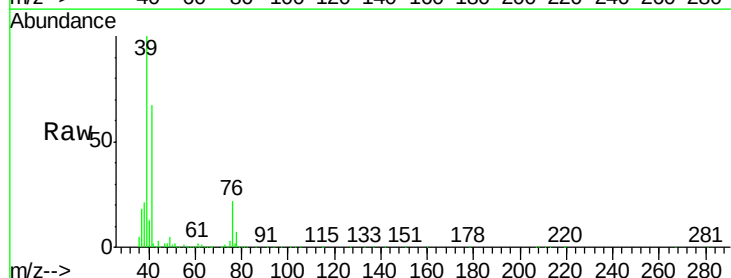
Tgt Ion: 41 Resp: 129398

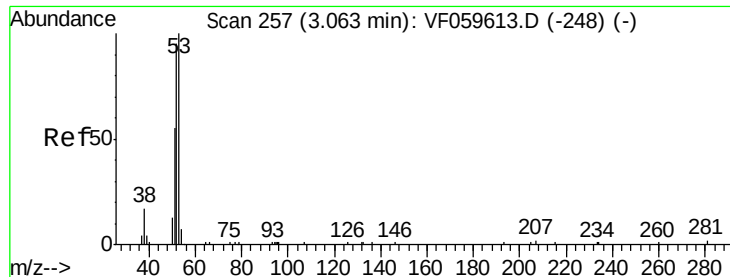
Ion Ratio Lower Upper

41 100

39 148.7 119.0 178.4

76 32.9 26.3 39.5





#15

Acrylonitrile

Concen: 191.21 ug/l

RT: 3.06 min Scan# 257

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

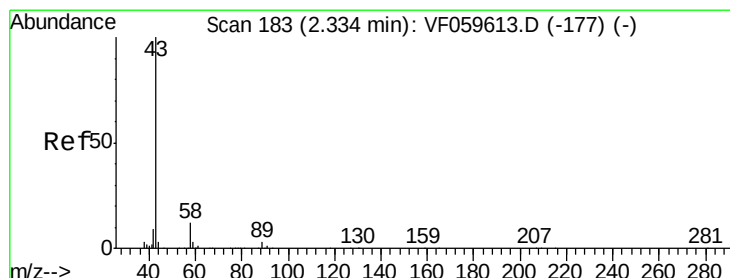
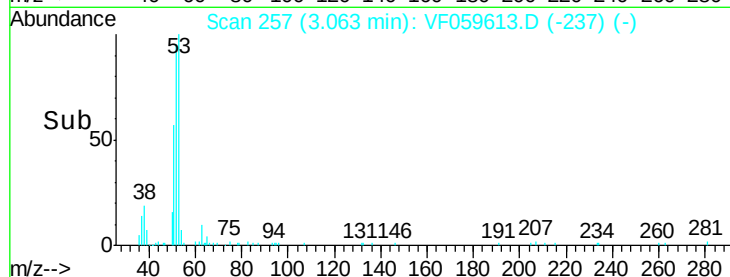
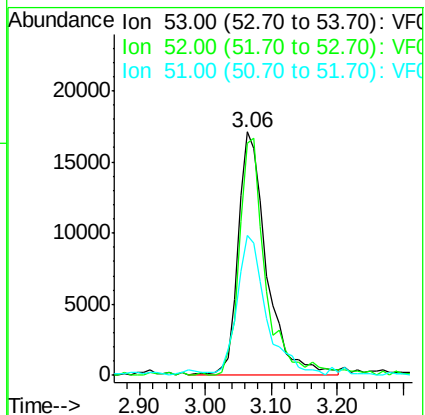
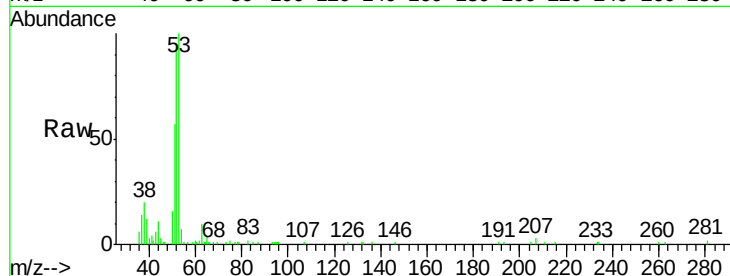
Tot Ion: 53 Resp: 52169

Ion Ratio Lower Upper

53 100

52 95.2 76.2 114.2

51 57.3 45.8 68.8



#16

Acetone

Concen: 247.97 ug/l

RT: 2.33 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF059613.D

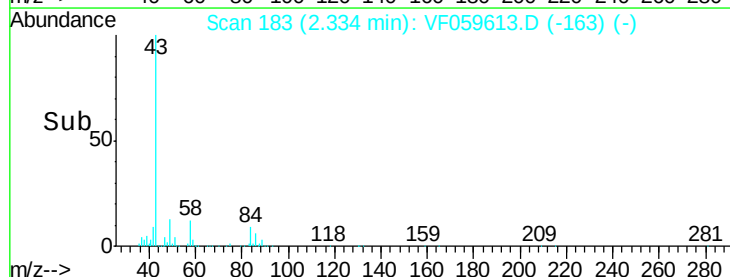
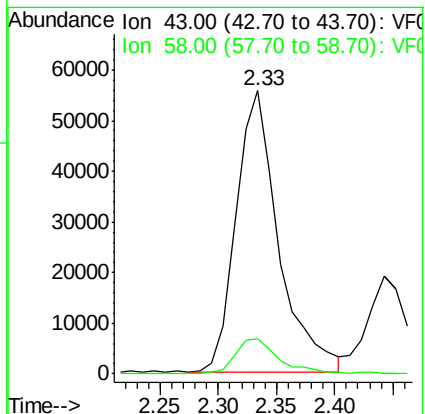
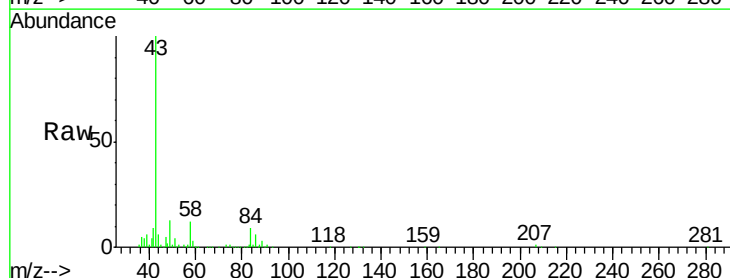
Acq: 23 Jul 2018 14:19

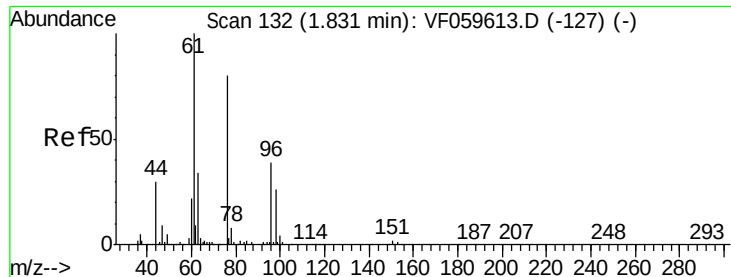
Tgt Ion: 43 Resp: 140010

Ion Ratio Lower Upper

43 100

58 12.3 9.8 14.8





#17

Carbon Disulfide

Concen: 14.15 ug/l

RT: 1.83 min Scan# 132

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Instrument :

MSVOA_F

ClientSampleId :

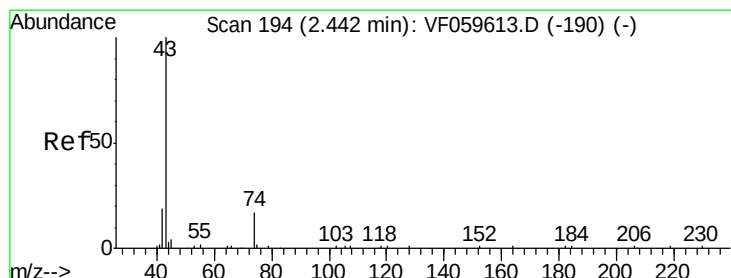
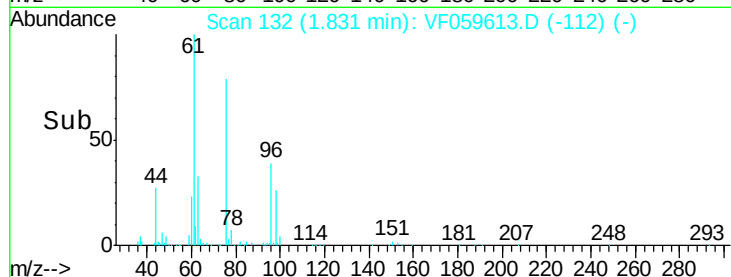
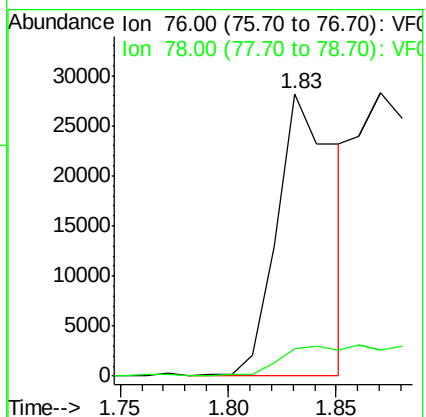
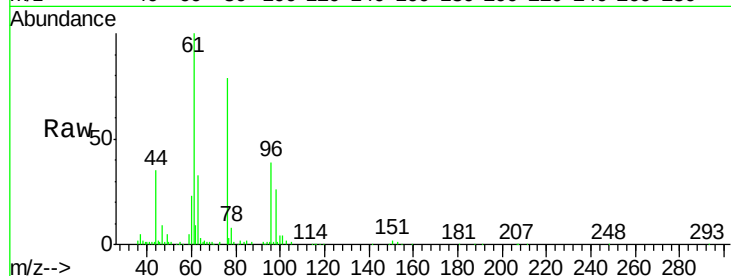
VSTDICCC050

Tot Ion: 76 Resp: 53191

Ion Ratio Lower Upper

76 100

78 9.6 7.7 11.5



#18

Methyl Acetate

Concen: 37.14 ug/l

RT: 2.44 min Scan# 194

Delta R.T. 0.00 min

Lab File: VF059613.D

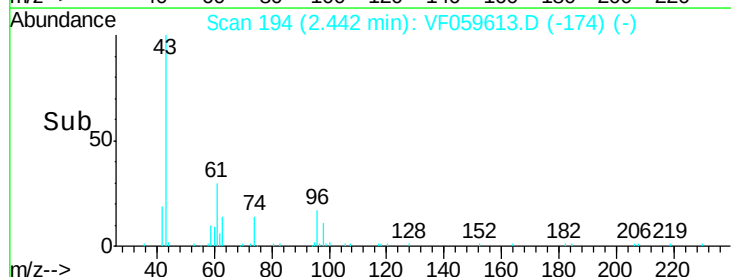
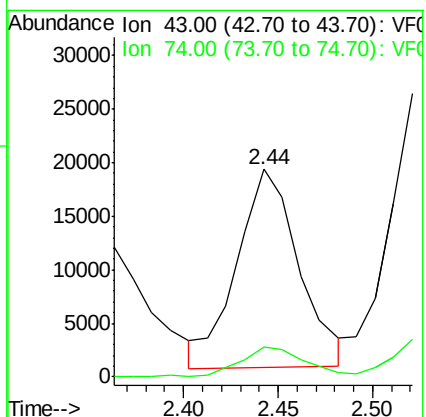
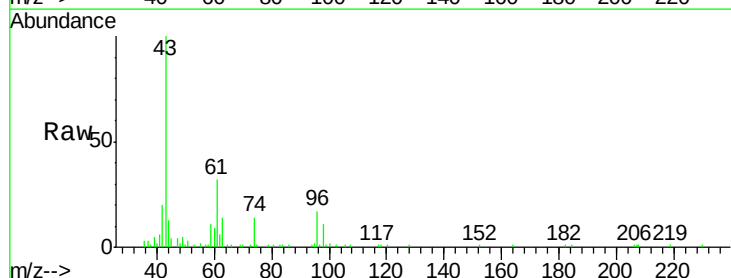
Acq: 23 Jul 2018 14:19

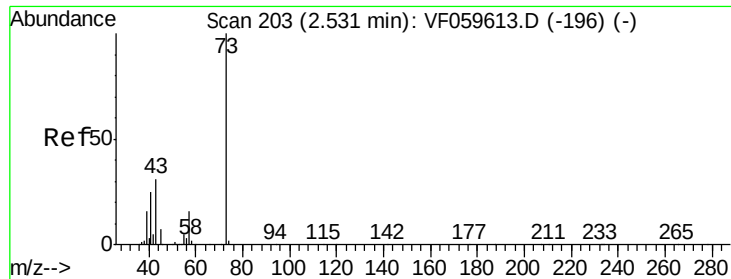
Tgt Ion: 43 Resp: 42097

Ion Ratio Lower Upper

43 100

74 14.2 11.4 17.0





#19

Methyl tert-butyl Ether

Concen: 41.89 ug/l

RT: 2.53 min Scan# 203

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Instrument :

MSVOA_F

ClientSampleId :

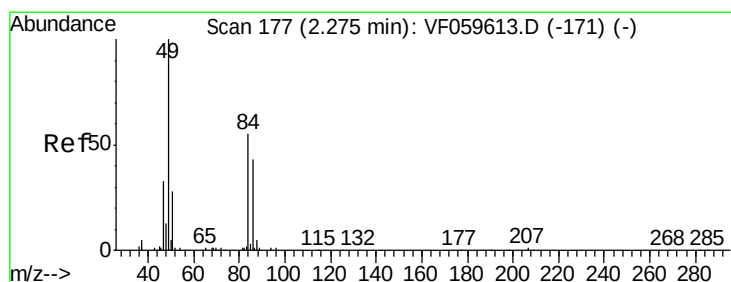
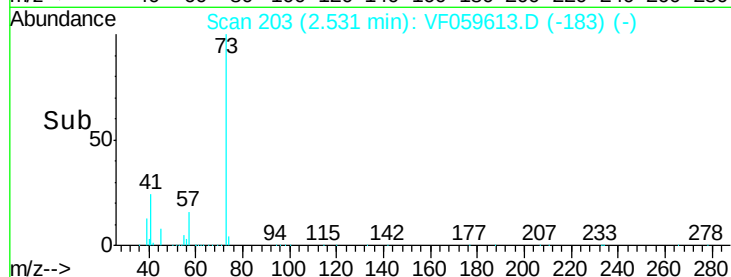
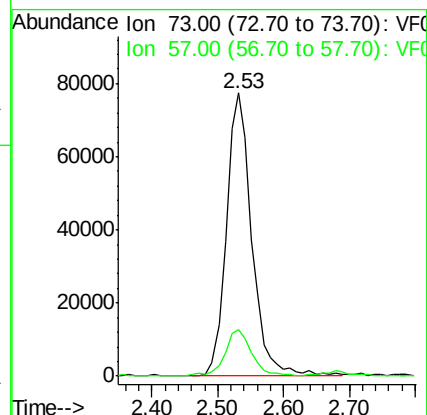
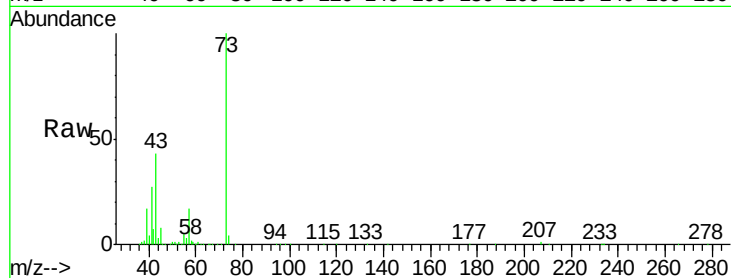
VSTDICCC050

Tot Ion: 73 Resp: 207635

Ion Ratio Lower Upper

73 100

57 16.5 13.2 19.8



#20

Methylene Chloride

Concen: 36.11 ug/l

RT: 2.27 min Scan# 177

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Tgt Ion: 84 Resp: 67886

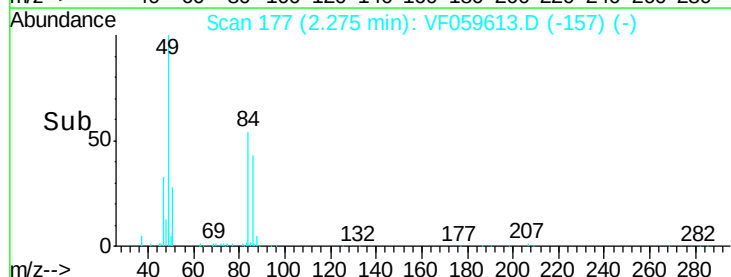
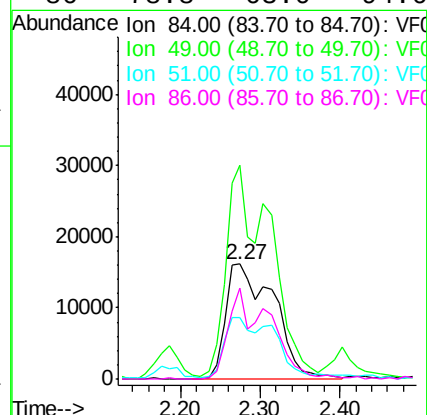
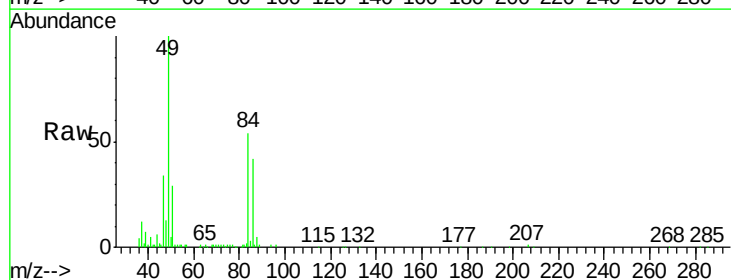
Ion Ratio Lower Upper

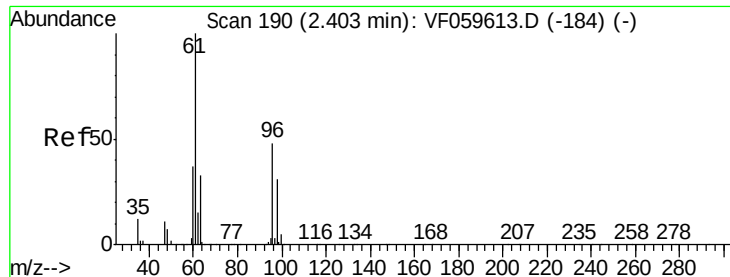
84 100

49 185.7 148.6 222.8

51 53.4 42.7 64.1

86 78.8 63.0 94.6





#21

trans-1,2-Dichloroethene

Concen: 47.32 ug/l

RT: 2.40 min Scan# 190

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

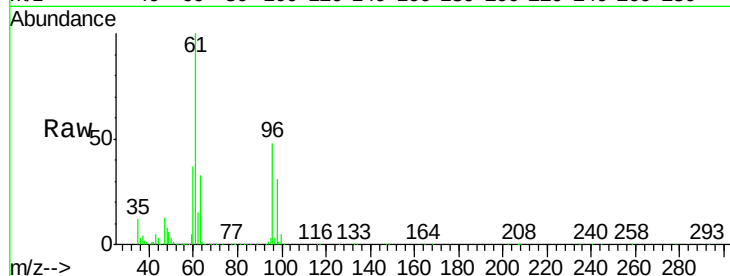
Tot Ion: 96 Resp: 72059

Ion Ratio Lower Upper

96 100

61 208.8 167.0 250.6

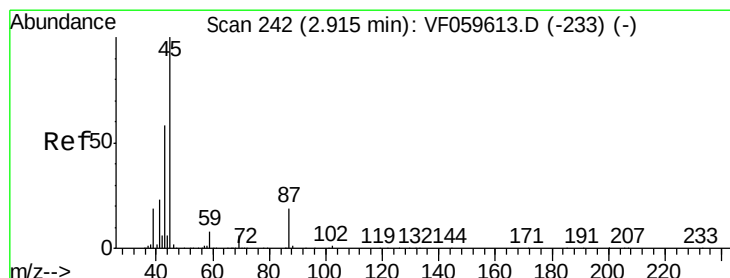
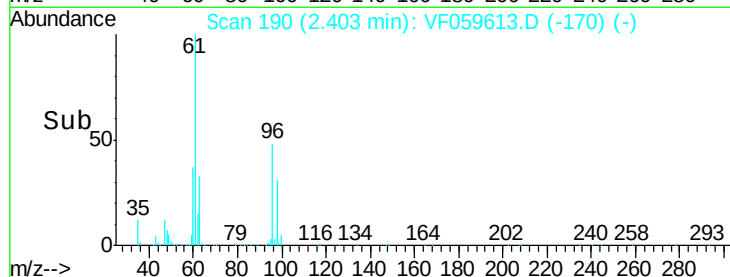
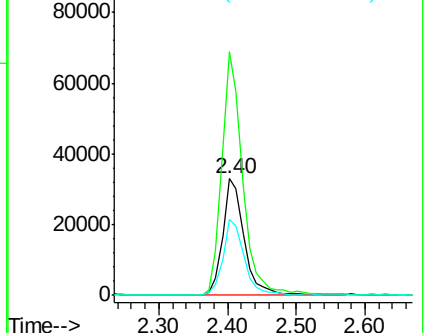
98 64.8 51.8 77.8



Abundance Ion 96.00 (95.70 to 96.70): VF059613.D (-184) (-)

Ion 61.00 (60.70 to 61.70): VF059613.D (-184) (-)

Ion 98.00 (97.70 to 98.70): VF059613.D (-184) (-)



#22

Diisopropyl ether

Concen: 44.65 ug/l

RT: 2.92 min Scan# 242

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Tgt Ion: 45 Resp: 250983

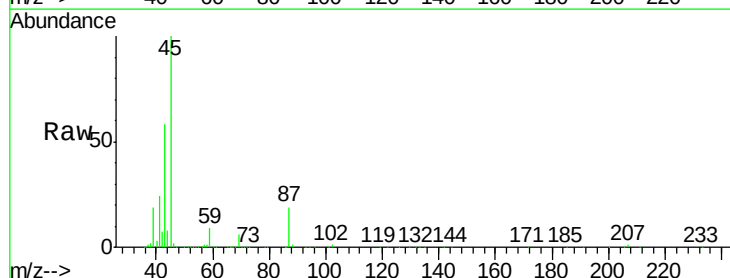
Ion Ratio Lower Upper

45 100

43 58.4 46.7 70.1

87 18.8 15.0 22.6

59 8.7 7.0 10.4

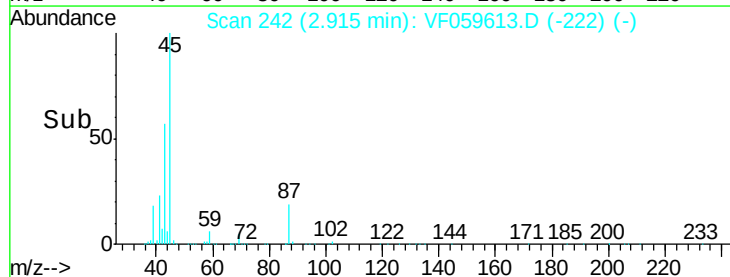
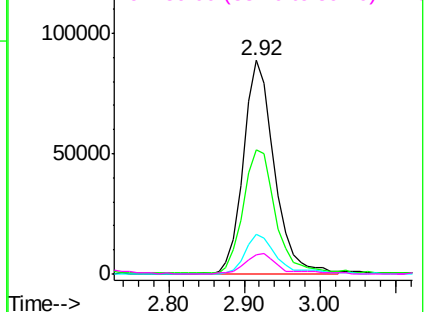


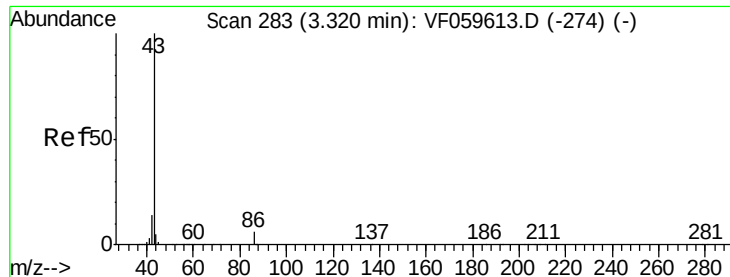
Abundance Ion 45.00 (44.70 to 45.70): VF059613.D (-233) (-)

Ion 43.00 (42.70 to 43.70): VF059613.D (-233) (-)

Ion 87.00 (86.70 to 87.70): VF059613.D (-233) (-)

Ion 59.00 (58.70 to 59.70): VF059613.D (-233) (-)





#23

Vinyl Acetate

Concen: 200.47 ug/l

RT: 3.32 min Scan# 283

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Instrument :

MSVOA_F

ClientSampleId :

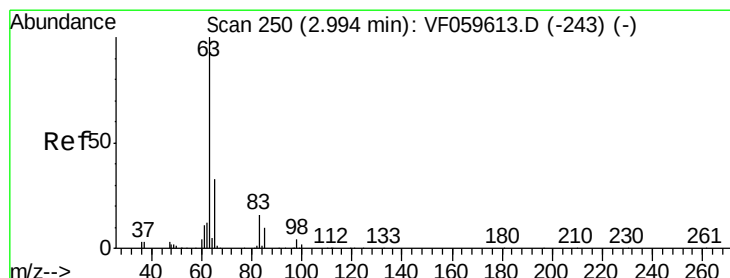
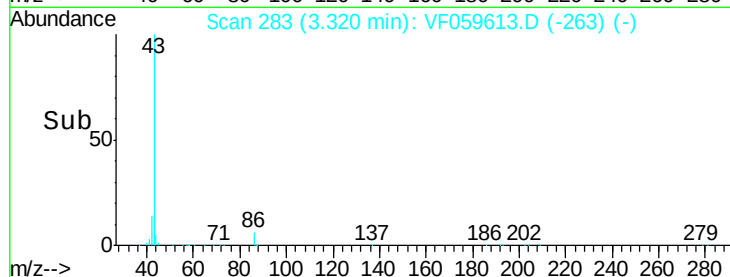
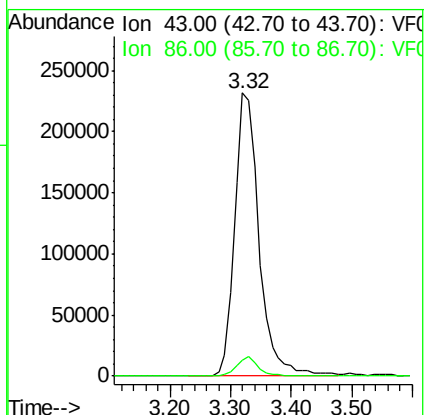
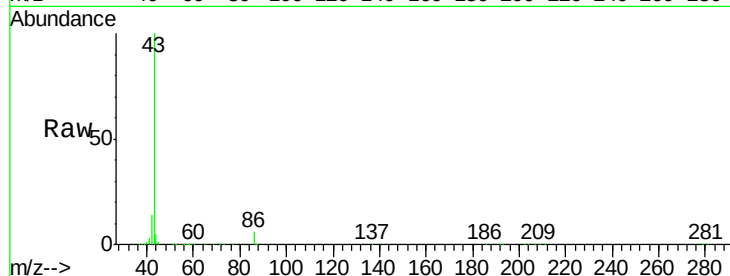
VSTDICCC050

Tot Ion: 43 Resp: 648312

Ion Ratio Lower Upper

43 100

86 5.7 4.6 6.8



#24

1,1-Dichloroethane

Concen: 48.32 ug/l

RT: 2.99 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

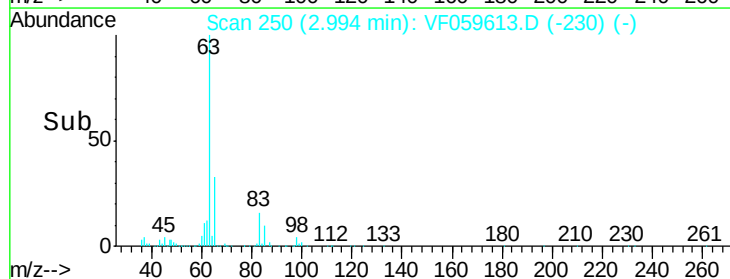
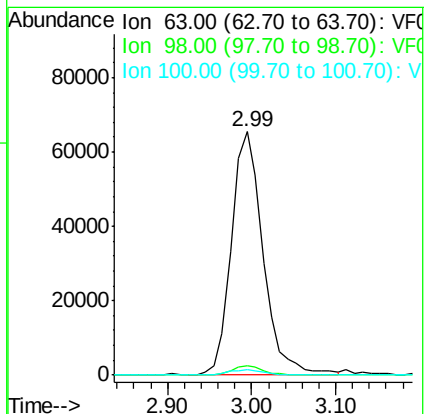
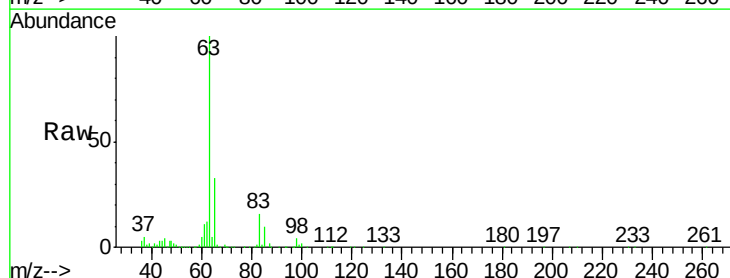
Tgt Ion: 63 Resp: 172056

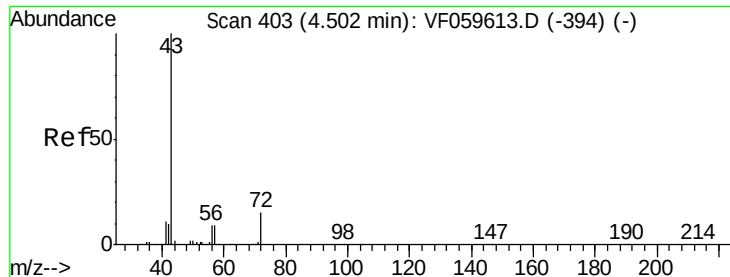
Ion Ratio Lower Upper

63 100

98 3.8 1.9 5.7

100 2.4 1.2 3.6

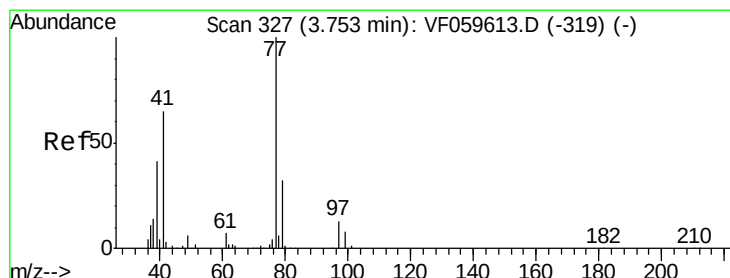
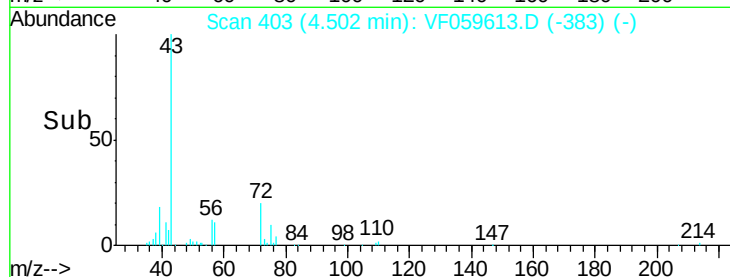
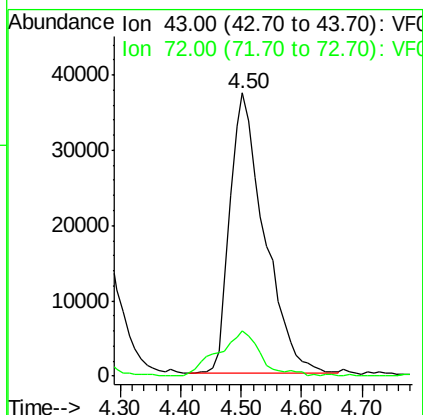
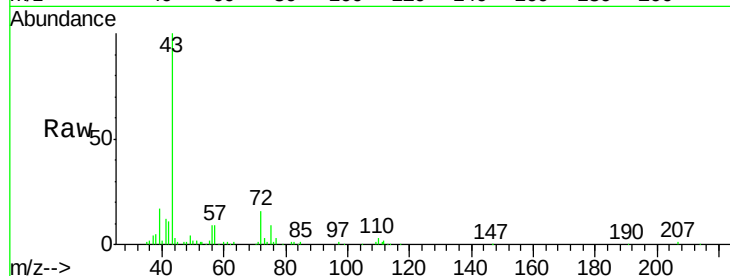




#25
2-Butanone
Concen: 196.07 ug/l
RT: 4.50 min Scan# 403
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

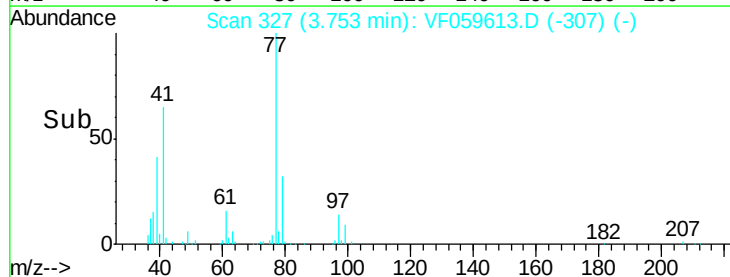
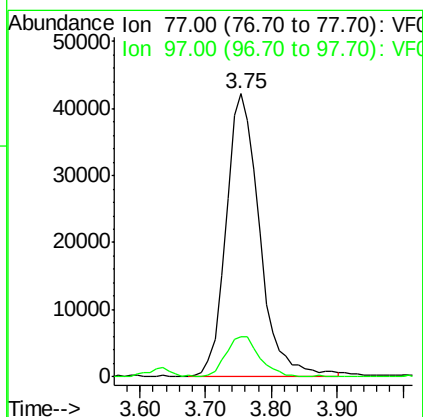
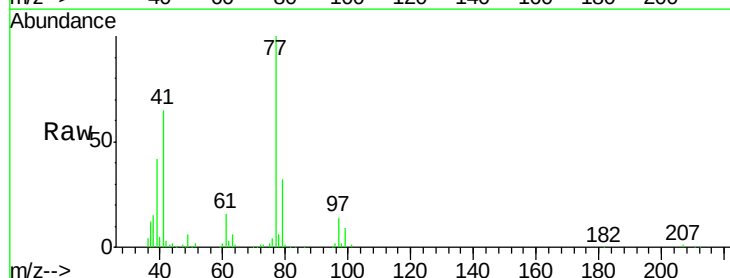
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

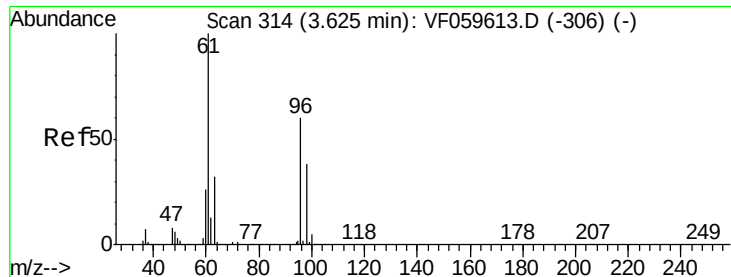
Tot Ion: 43 Resp: 147963
Ion Ratio Lower Upper
43 100
72 16.1 12.9 19.3



#26
2,2-Dichloropropane
Concen: 61.22 ug/l
RT: 3.75 min Scan# 327
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

Tgt Ion: 77 Resp: 151147
Ion Ratio Lower Upper
77 100
97 14.2 7.1 21.3



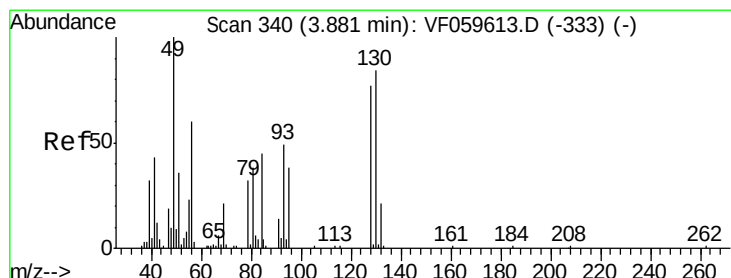
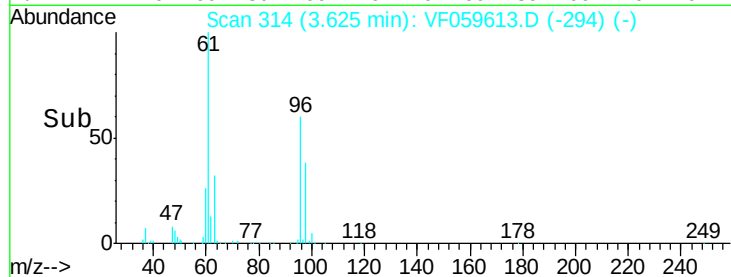
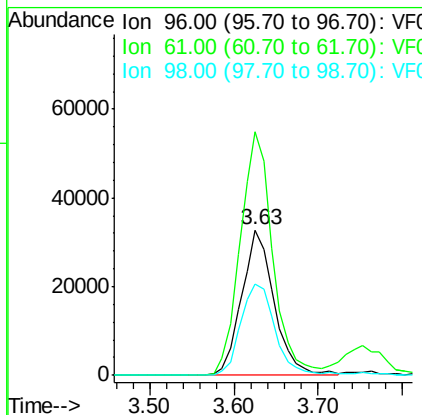
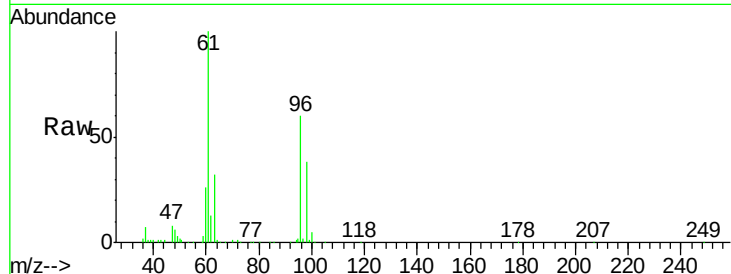


#27

cis-1,2-Dichloroethene
Concen: 50.35 ug/l
RT: 3.63 min Scan# 314
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

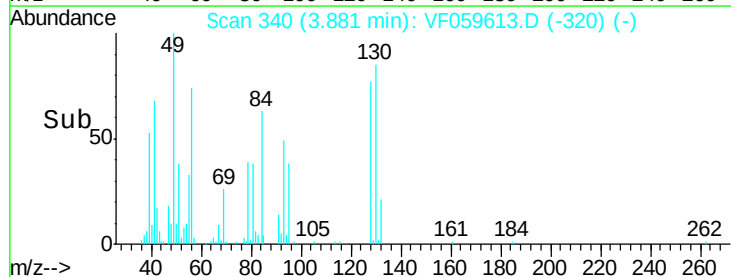
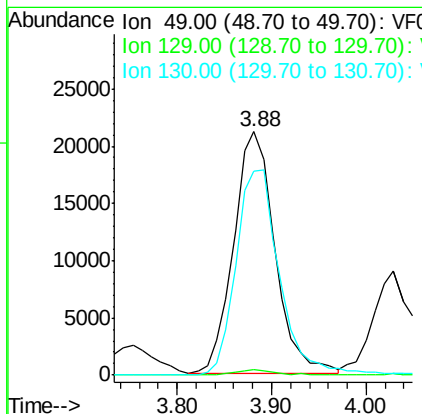
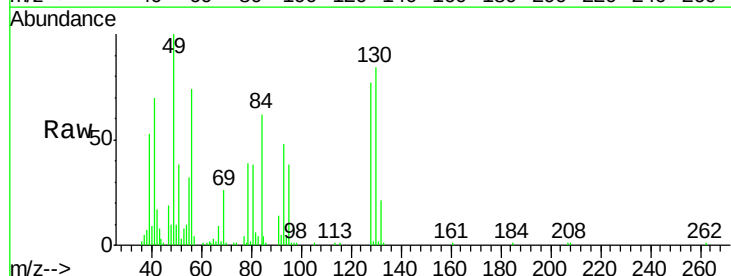
Tot Ion	96	Resp	88828
Ion Ratio	Lower	Upper	
96	100		
61	167.6	0.0	335.2
98	63.3	0.0	126.6

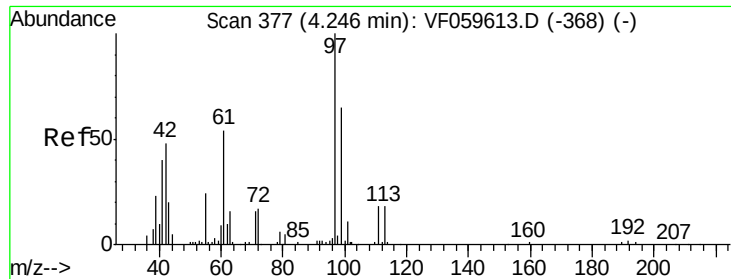


#28

Bromochloromethane
Concen: 42.83 ug/l
RT: 3.88 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

Tgt Ion	49	Resp	64279
Ion Ratio	Lower	Upper	
49	100		
129	2.3	0.0	4.6
130	83.9	67.1	100.7

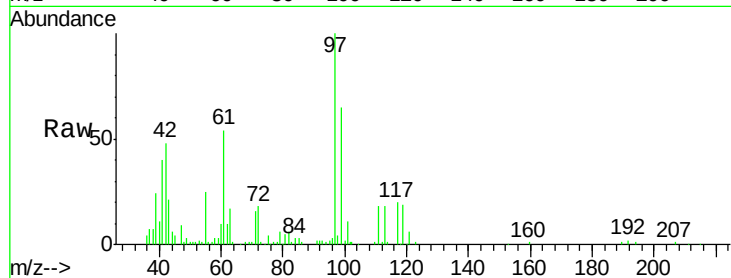




#29
Tetrahydrofuran
Concen: 172.80 ug/l
RT: 4.25 min Scan# 377
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

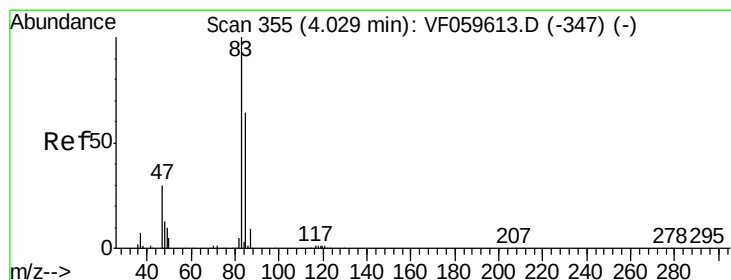
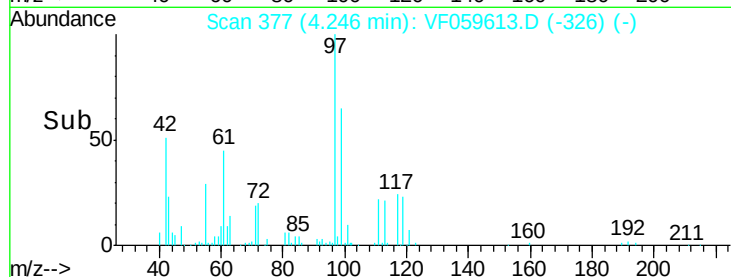
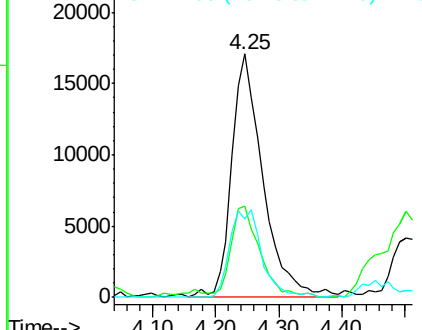
Tot Ion	Ratio	Lower	Upper
42	100		
72	34.9	27.9	41.9
71	36.6	29.3	43.9



Abundance Ion 42.00 (41.70 to 42.70): VF059613.D (-377) (-)

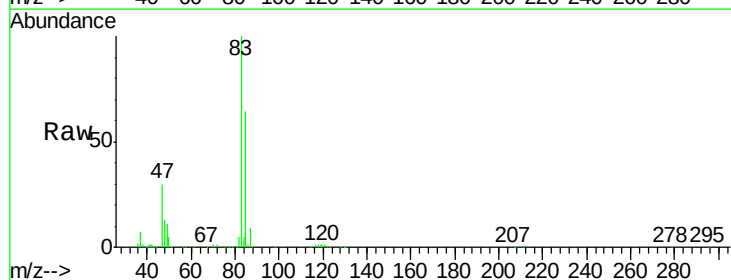
Ion 72.00 (71.70 to 72.70): VF059613.D (-377) (-)

Ion 71.00 (70.70 to 71.70): VF059613.D (-377) (-)



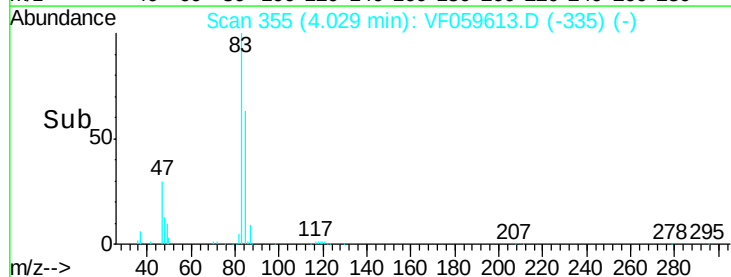
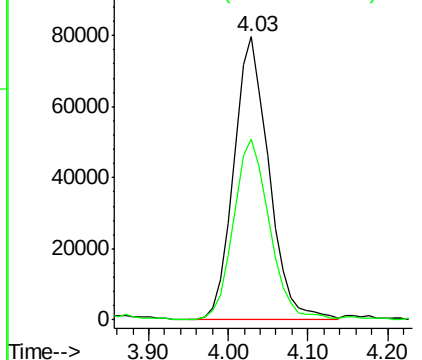
#30
Chloroform
Concen: 47.74 ug/l
RT: 4.03 min Scan# 355
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

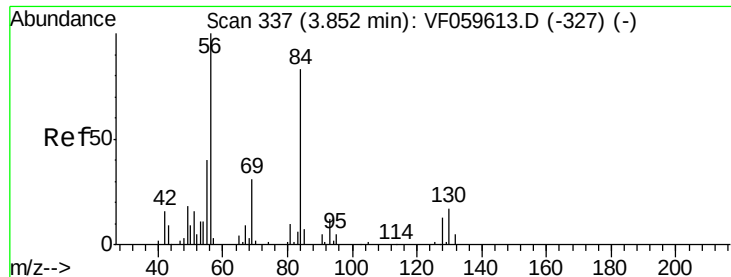
Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.1	76.7



Abundance Ion 83.00 (82.70 to 83.70): VF059613.D (-355) (-)

Ion 85.00 (84.70 to 85.70): VF059613.D (-355) (-)

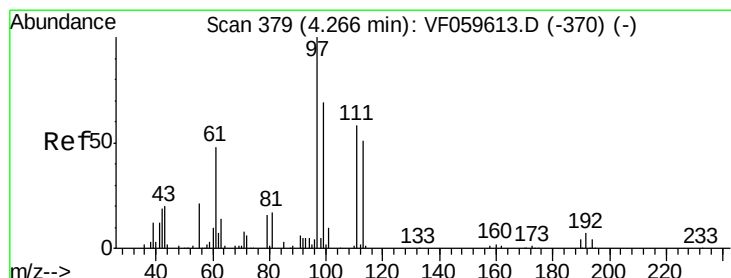
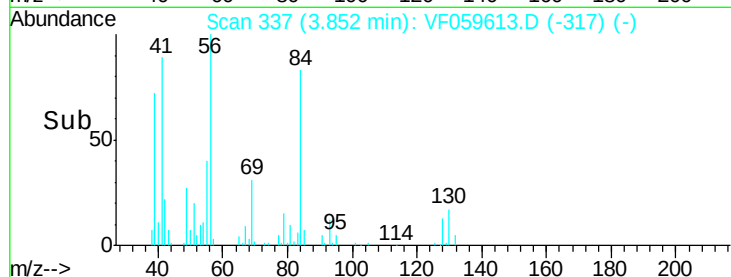
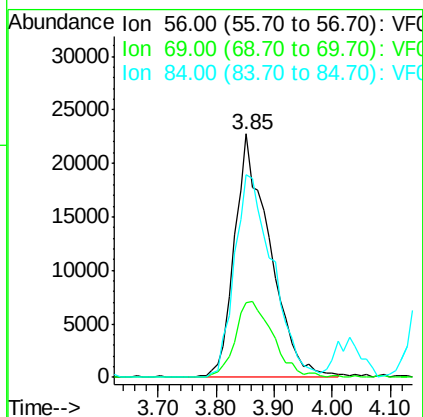
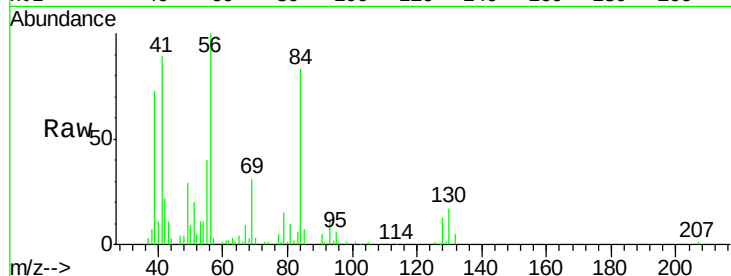




#31
Cyclohexane
Concen: 50.75 ug/l
RT: 3.85 min Scan# 337
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

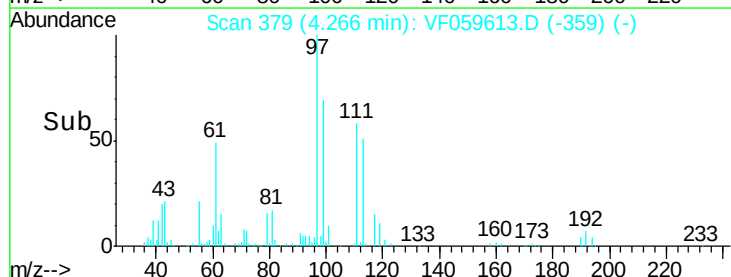
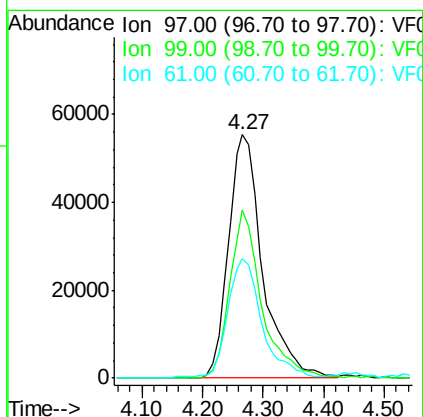
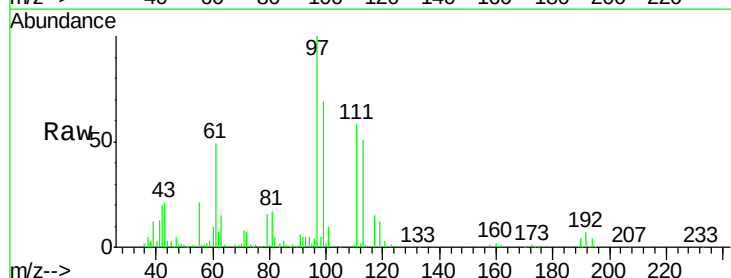
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

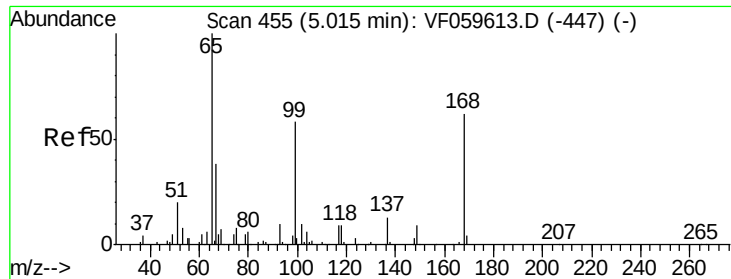
Tot Ion	Ratio	Lower	Upper
56	100		
69	30.8	24.6	37.0
84	83.2	66.6	99.8



#32
1,1,1-Trichloroethane
Concen: 61.83 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	69.3	55.4	83.2
61	49.1	39.3	58.9

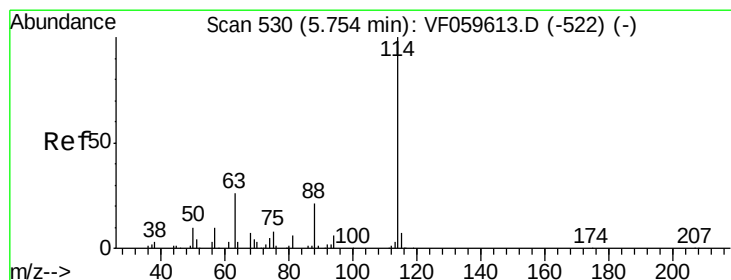
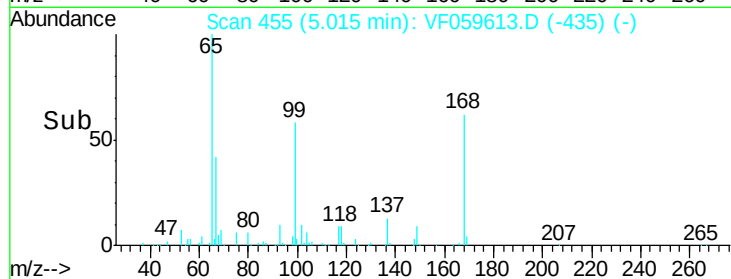
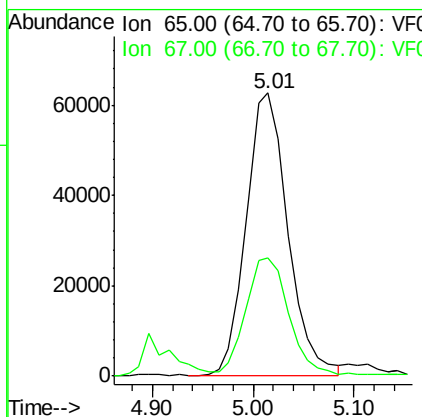
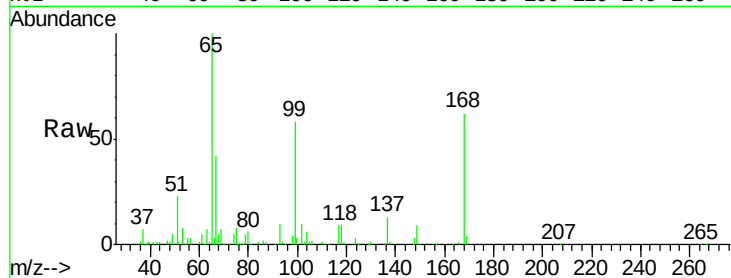




#33
 1,2-Dichloroethane-d4
 Concen: 52.73 ug/l
 RT: 5.01 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: VF059613.D
 Acq: 23 Jul 2018 14:19

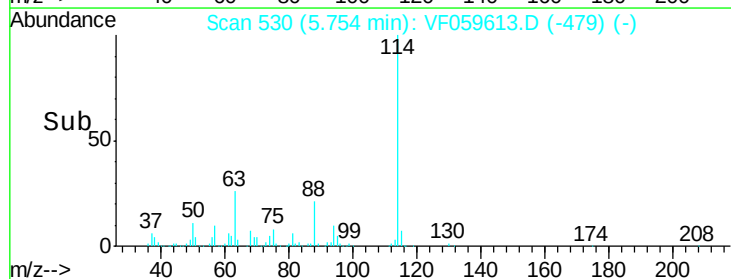
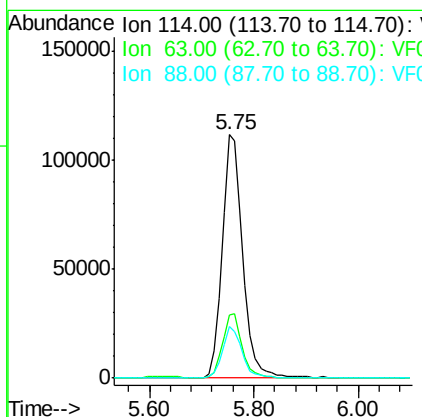
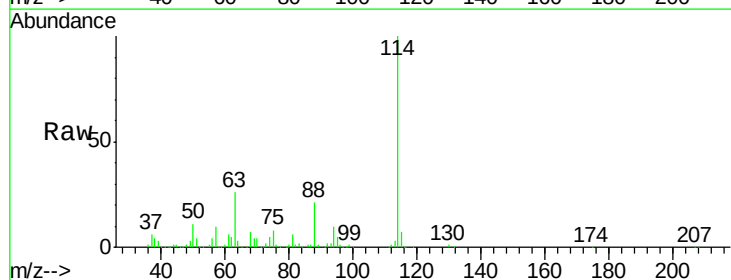
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

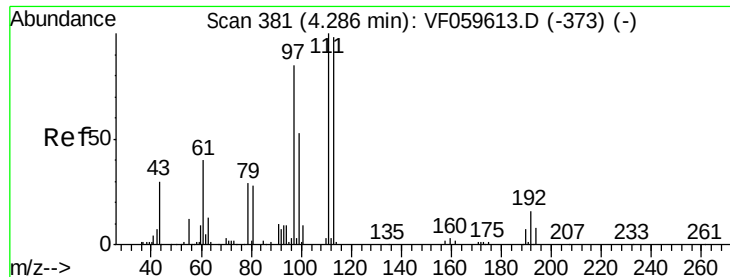
Tot Ion: 65 Resp: 181313
 Ion Ratio Lower Upper
 65 100
 67 41.9 0.0 83.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. 0.00 min
 Lab File: VF059613.D
 Acq: 23 Jul 2018 14:19

Tgt Ion: 114 Resp: 304042
 Ion Ratio Lower Upper
 114 100
 63 25.9 0.0 51.8
 88 21.4 0.0 42.8





#35

Dibromofluoromethane

Concen: 54.96 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

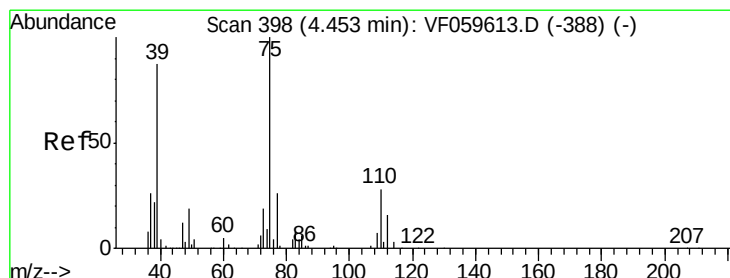
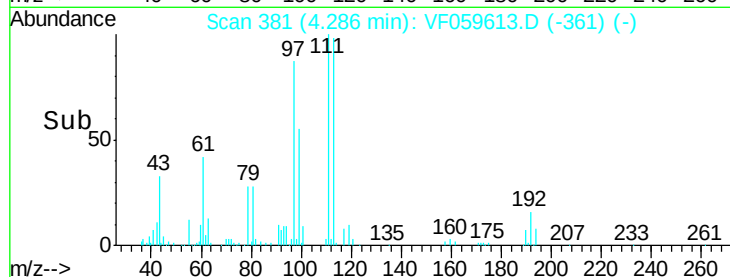
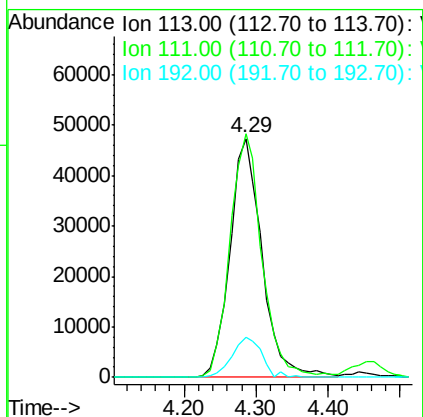
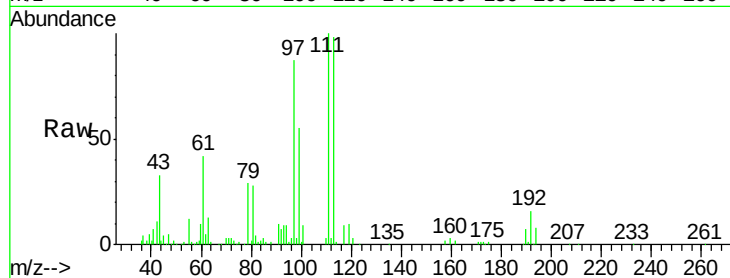
Tot Ion:113 Resp: 146787

Ion Ratio Lower Upper

113 100

111 101.9 81.5 122.3

192 16.8 13.4 20.2



#36

1,1-Dichloropropene

Concen: 48.09 ug/l

RT: 4.45 min Scan# 398

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

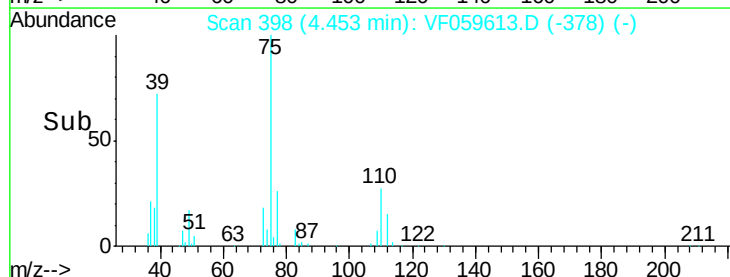
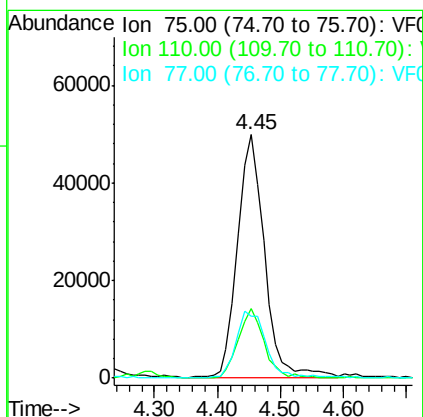
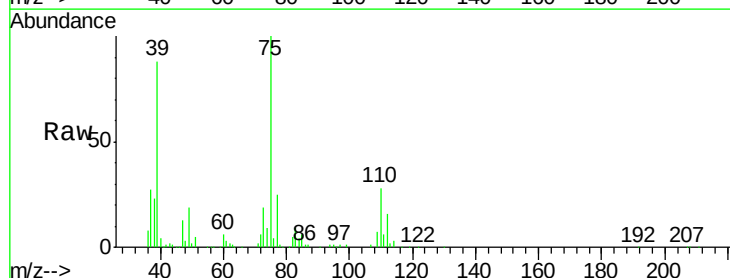
Tgt Ion: 75 Resp: 146765

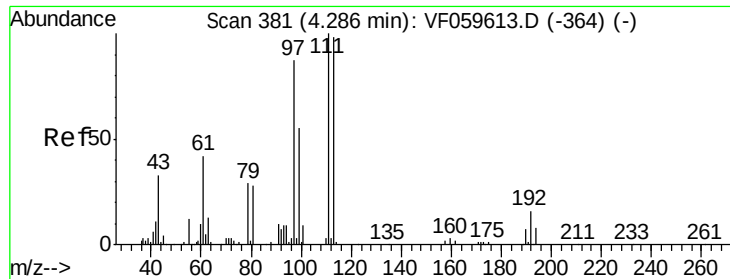
Ion Ratio Lower Upper

75 100

110 28.4 14.2 42.6

77 25.4 20.3 30.5

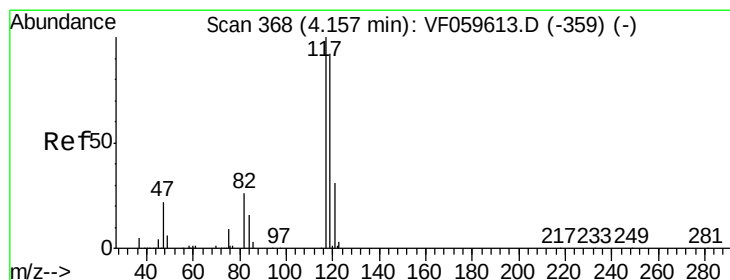
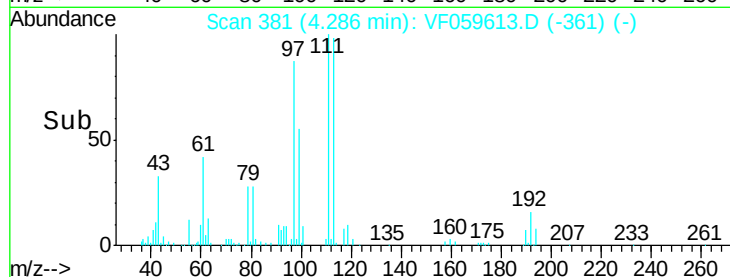
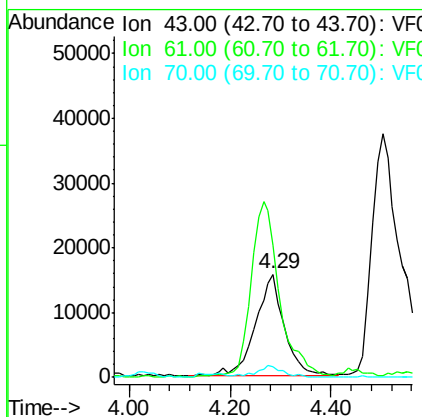
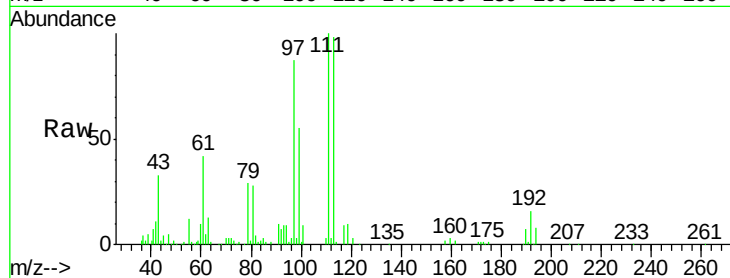




#37
Ethyl Acetate
Concen: 35.99 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

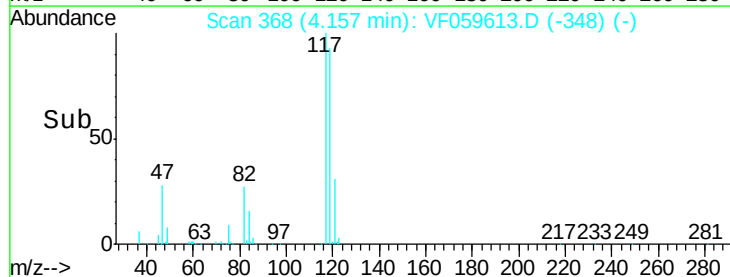
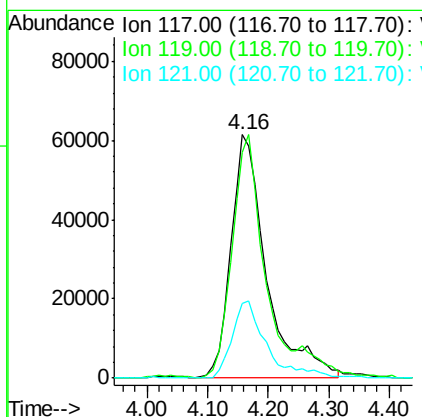
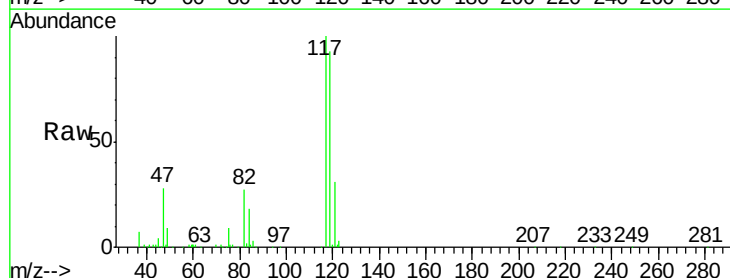
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

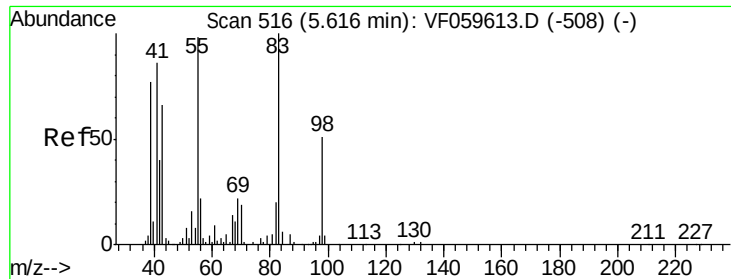
Tot Ion: 43 Resp: 63251
Ion Ratio Lower Upper
43 100
61 127.4 101.9 152.9
70 9.9 7.9 11.9



#38
Carbon Tetrachloride
Concen: 66.31 ug/l
RT: 4.16 min Scan# 368
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

Tgt Ion: 117 Resp: 251839
Ion Ratio Lower Upper
117 100
119 92.8 74.2 111.4
121 30.9 24.7 37.1

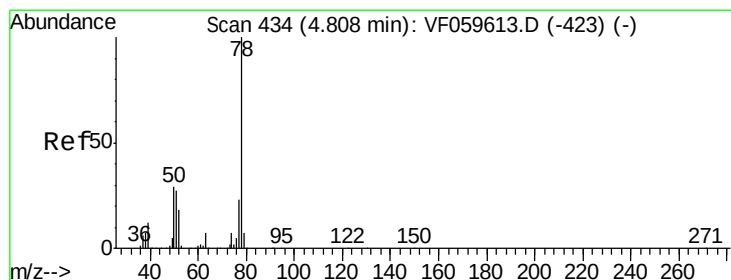
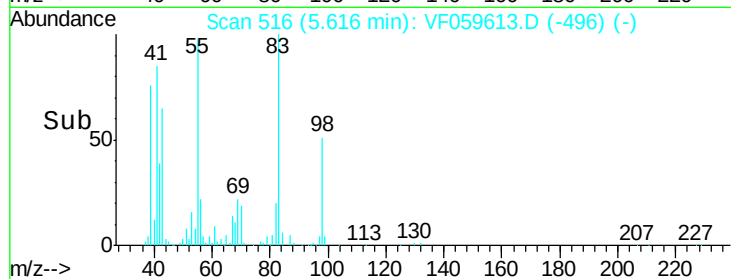
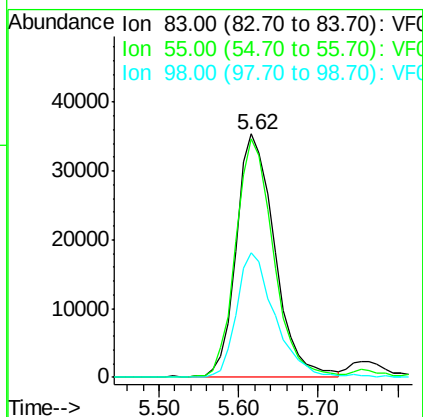
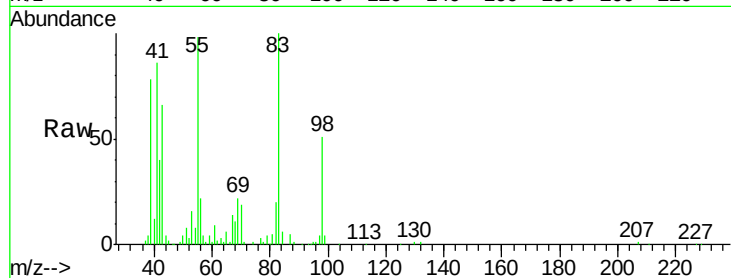




#39
Methylvlcyclohexane
Concen: 50.17 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

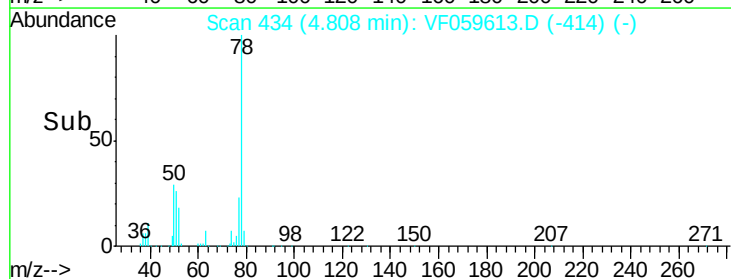
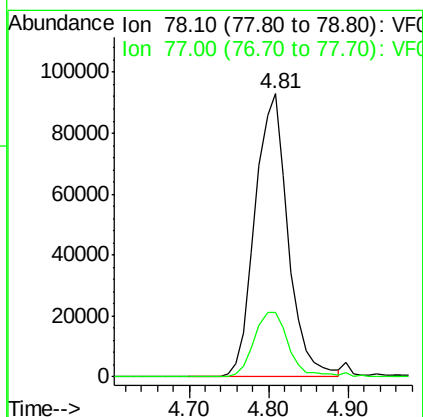
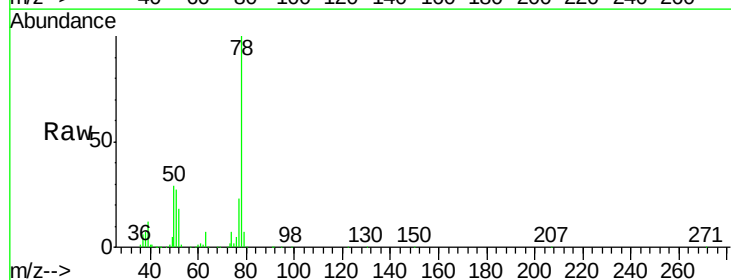
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

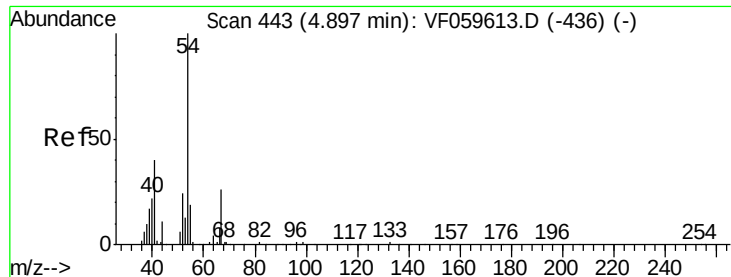
Tot Ion: 83 Resp: 118065
Ion Ratio Lower Upper
83 100
55 98.1 78.5 117.7
98 51.4 41.1 61.7



#40
Benzene
Concen: 45.32 ug/l
RT: 4.81 min Scan# 434
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

Tgt Ion: 78 Resp: 265301
Ion Ratio Lower Upper
78 100
77 23.0 18.4 27.6

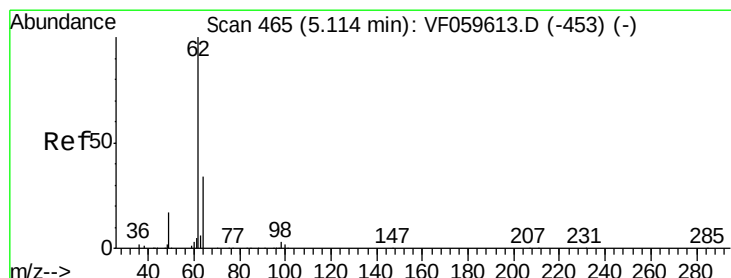
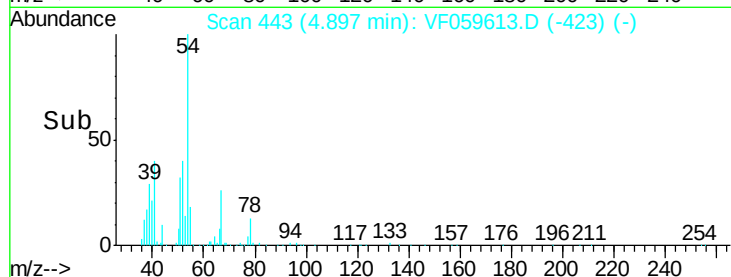
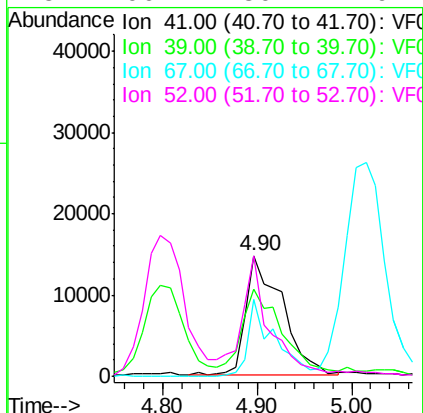
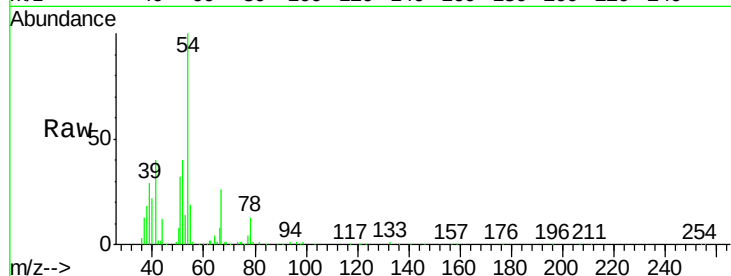




#41
Methacrylonitrile
Concen: 45.66 ug/l
RT: 4.90 min Scan# 443
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

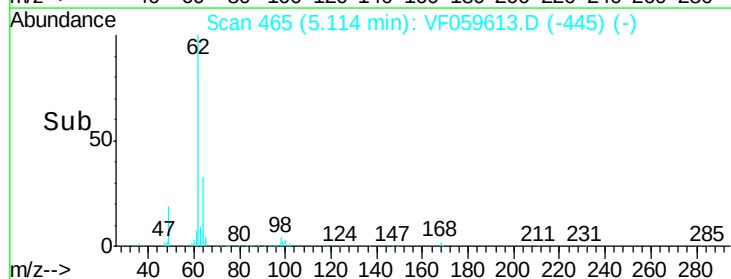
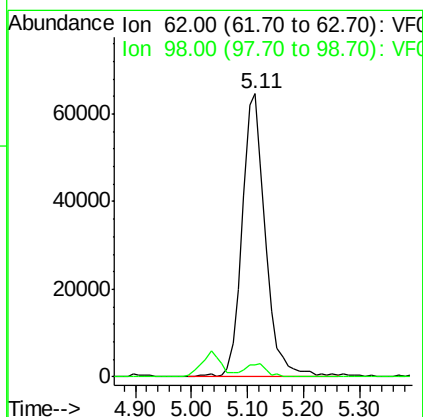
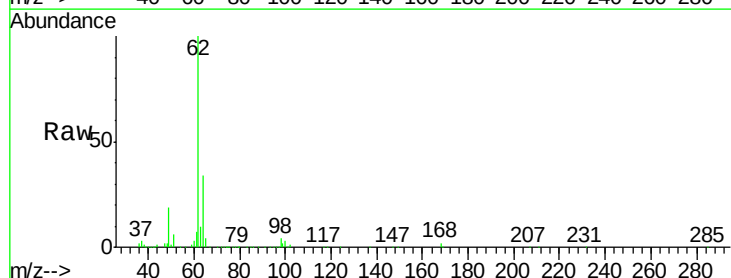
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

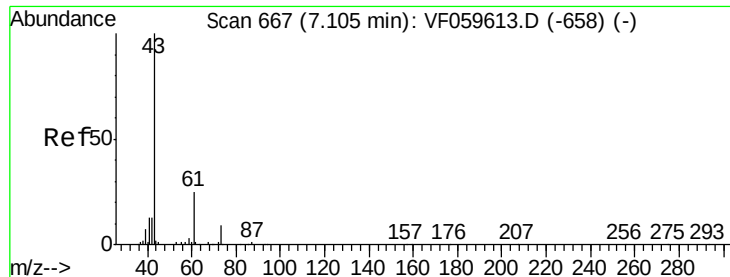
Tot Ion: 41 Resp: 39455
Ion Ratio Lower Upper
41 100
39 72.8 58.2 87.4
67 63.8 51.0 76.6
52 100.1 80.1 120.1



#42
1,2-Dichloroethane
Concen: 48.02 ug/l
RT: 5.11 min Scan# 465
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

Tgt Ion: 62 Resp: 185792
Ion Ratio Lower Upper
62 100
98 4.2 0.0 8.4





#43

Isopropyl Acetate

Concen: 39.42 ug/l

RT: 7.10 min Scan# 667

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

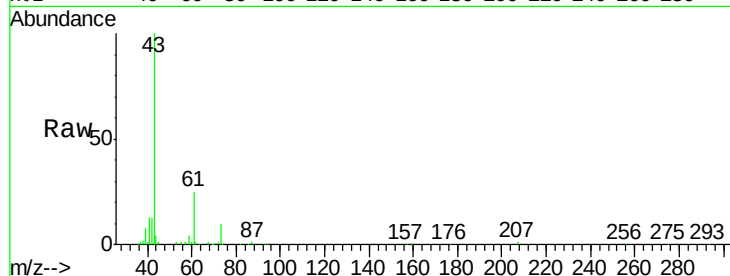
Tot Ion: 43 Resp: 82986

Ion Ratio Lower Upper

43 100

61 25.1 20.1 30.1

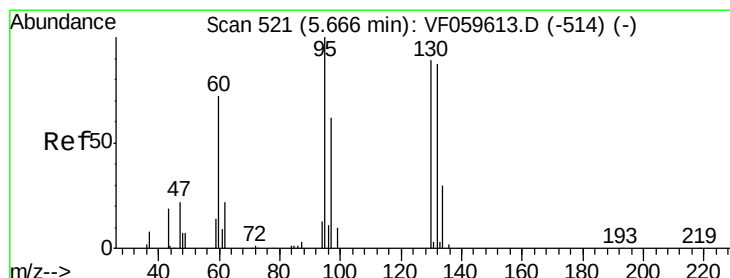
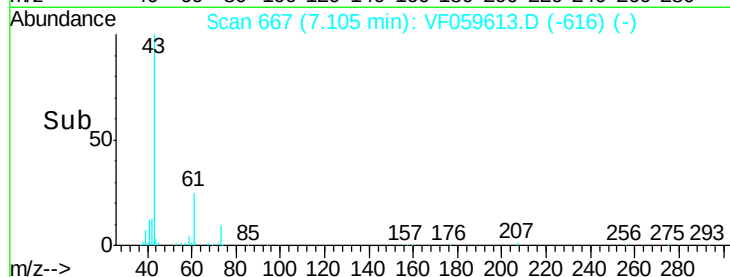
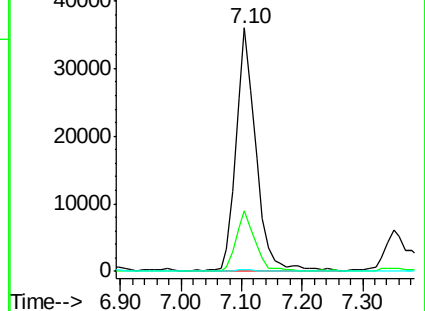
87 0.6 0.5 0.7



Abundance Ion 43.00 (42.70 to 43.70): VF059613.D (-658) (-)

Ion 61.00 (60.70 to 61.70): VF059613.D (-658) (-)

Ion 87.00 (86.70 to 87.70): VF059613.D (-658) (-)



#44

Trichloroethene

Concen: 48.56 ug/l

RT: 5.67 min Scan# 521

Delta R.T. 0.00 min

Lab File: VF059613.D

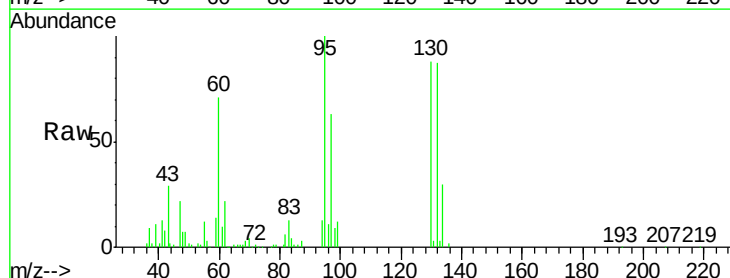
Acq: 23 Jul 2018 14:19

Tgt Ion: 130 Resp: 106817

Ion Ratio Lower Upper

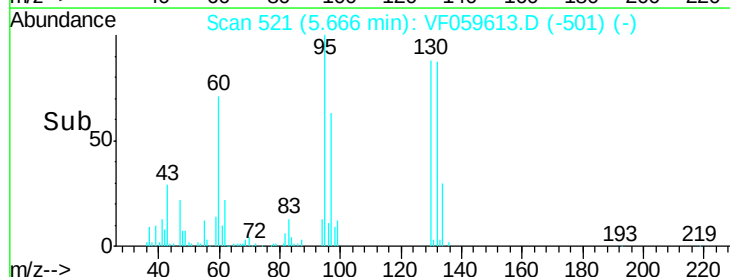
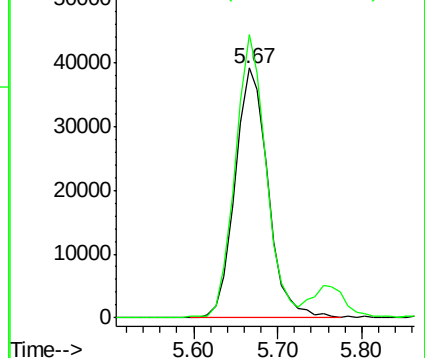
130 100

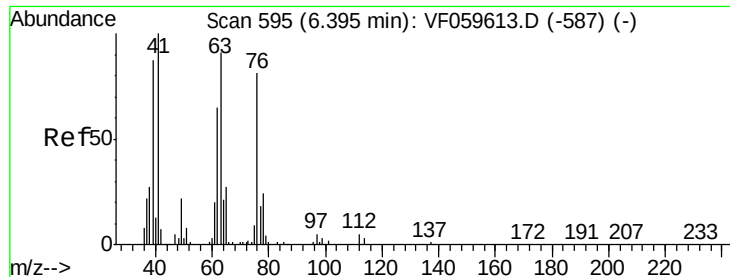
95 113.2 0.0 226.4



Abundance Ion 129.90 (129.60 to 130.60): VF059613.D (-514) (-)

Ion 94.90 (94.60 to 95.60): VF059613.D (-514) (-)

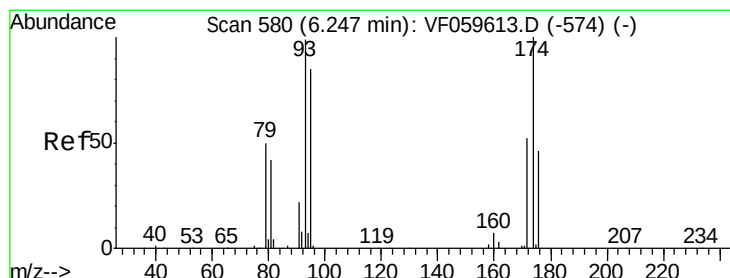
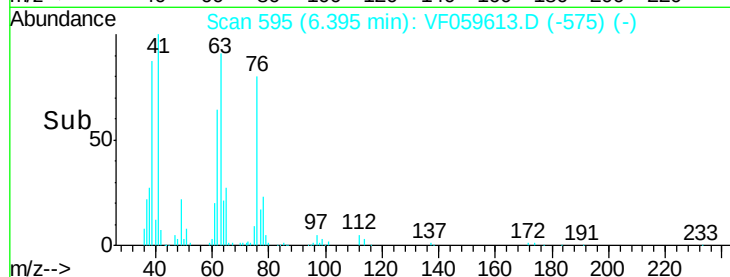
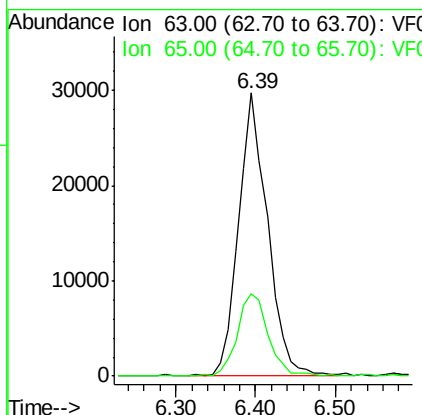
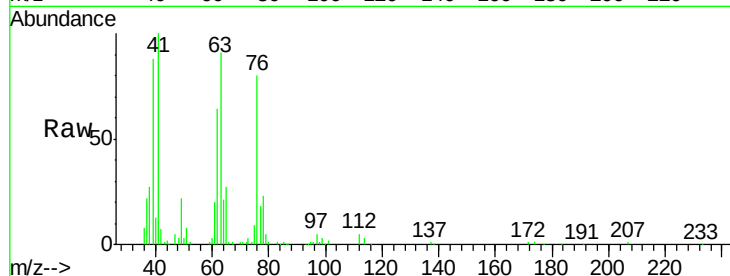




#45
 1,2-Dichloropropane
 Concen: 46.31 ug/l
 RT: 6.39 min Scan# 595
 Delta R.T. 0.00 min
 Lab File: VF059613.D
 Acq: 23 Jul 2018 14:19

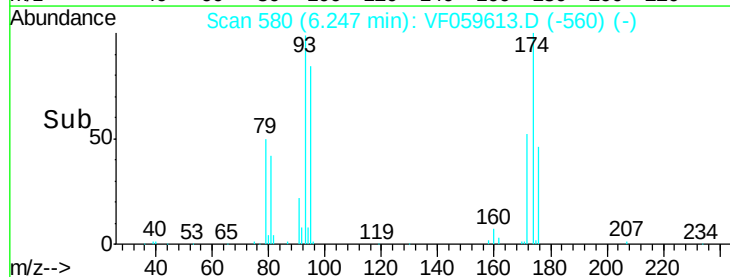
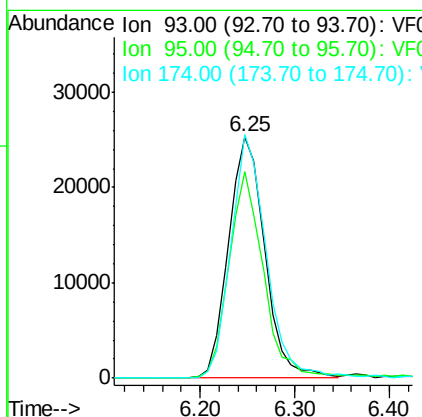
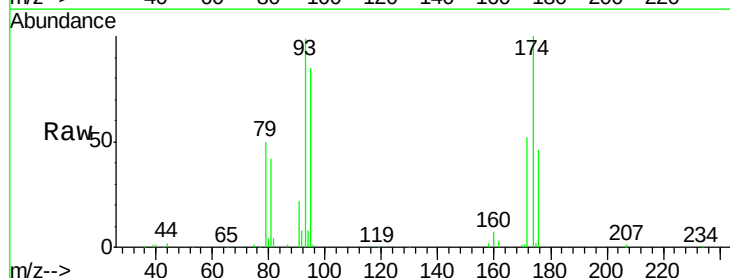
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

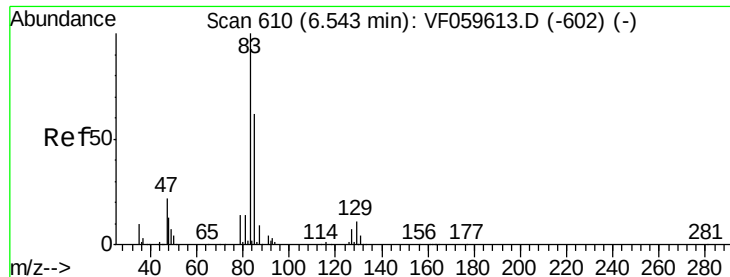
Tot Ion: 63 Resp: 75016
 Ion Ratio Lower Upper
 63 100
 65 29.2 23.4 35.0



#46
 Dibromomethane
 Concen: 45.71 ug/l
 RT: 6.25 min Scan# 580
 Delta R.T. 0.00 min
 Lab File: VF059613.D
 Acq: 23 Jul 2018 14:19

Tgt Ion: 93 Resp: 67313
 Ion Ratio Lower Upper
 93 100
 95 85.7 68.6 102.8
 174 101.0 80.8 121.2





#47

Bromodichloromethane

Concen: 51.33 ug/l

RT: 6.54 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

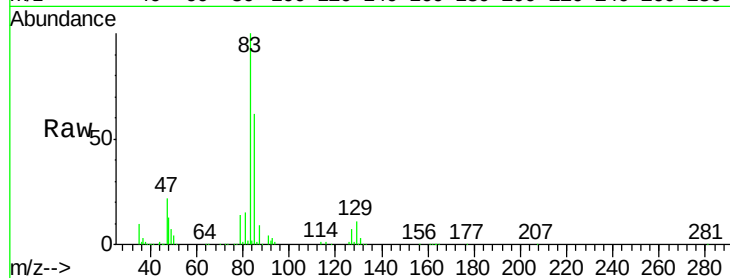
Tot Ion: 83 Resp: 198581

Ion Ratio Lower Upper

83 100

85 61.7 49.4 74.0

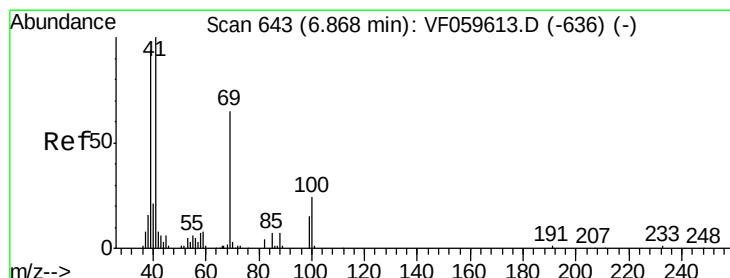
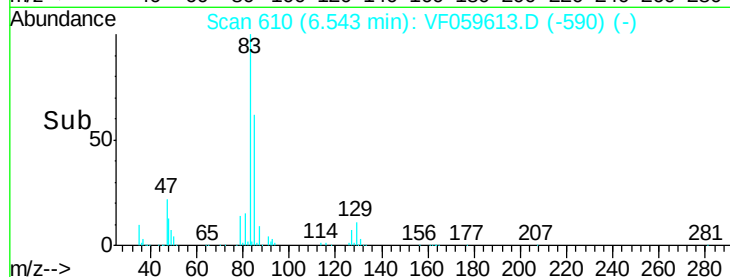
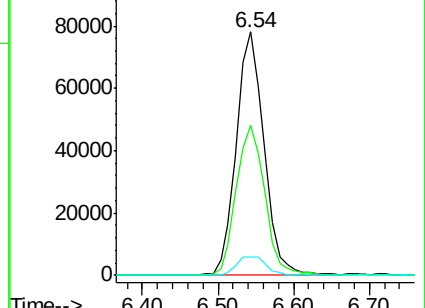
127 7.4 5.9 8.9



Abundance Ion 83.00 (82.70 to 83.70): VF059613.D (-602) (-)

Ion 85.00 (84.70 to 85.70): VF059613.D (-602) (-)

Ion 127.00 (126.70 to 127.70): VF059613.D (-602) (-)



#48

Methyl methacrylate

Concen: 39.46 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

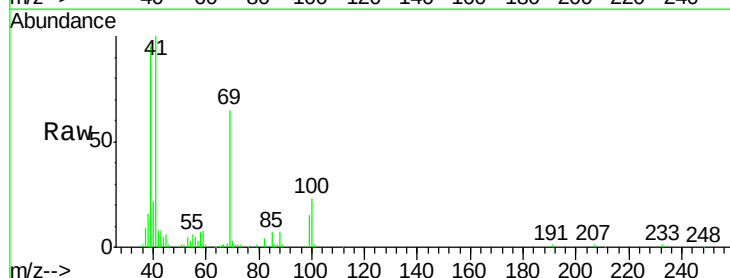
Tgt Ion: 41 Resp: 59078

Ion Ratio Lower Upper

41 100

69 64.5 51.6 77.4

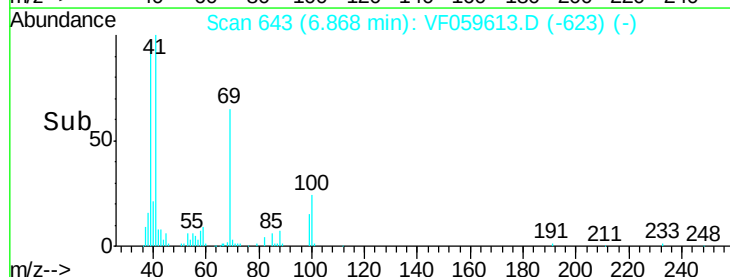
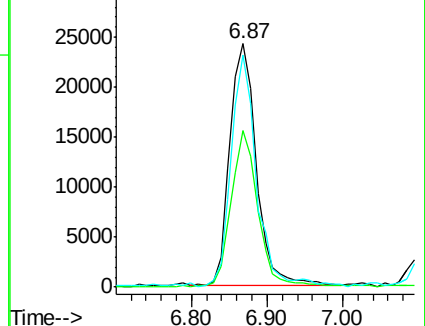
39 95.4 76.3 114.5

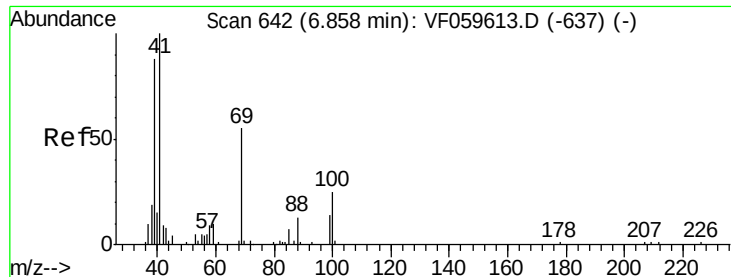


Abundance Ion 41.00 (40.70 to 41.70): VF059613.D (-636) (-)

Ion 69.00 (68.70 to 69.70): VF059613.D (-636) (-)

Ion 39.00 (38.70 to 39.70): VF059613.D (-636) (-)

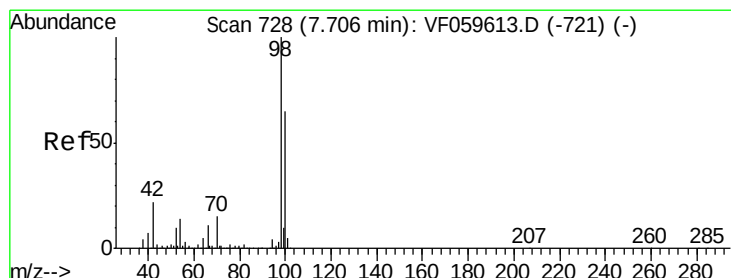
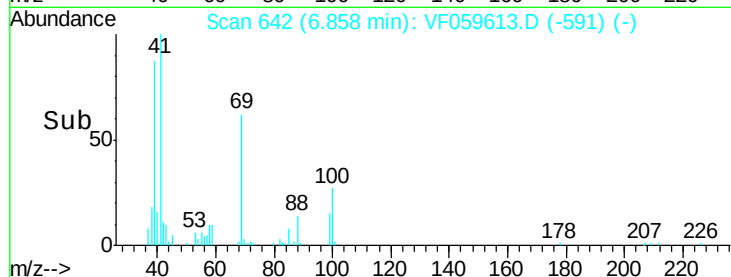
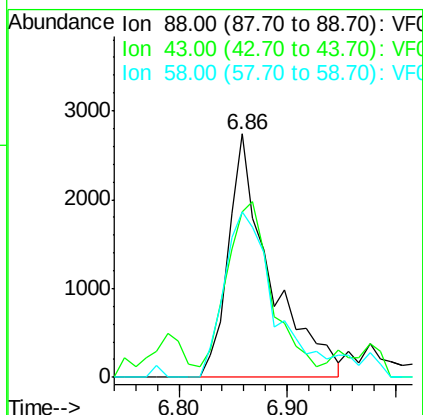
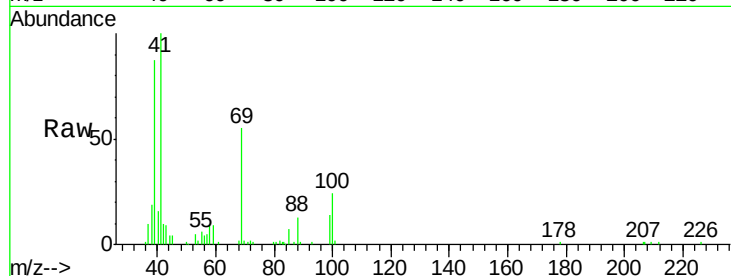




#49
1,4-Dioxane
Concen: 1068.68 ug/l
RT: 6.86 min Scan# 642
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

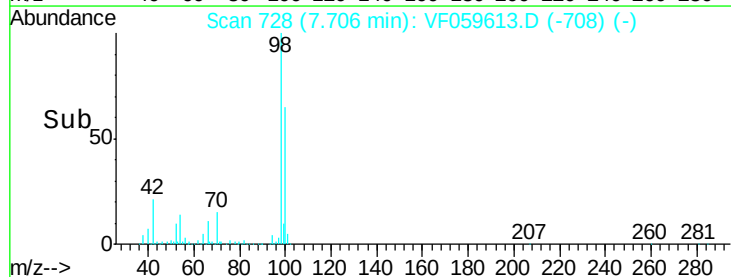
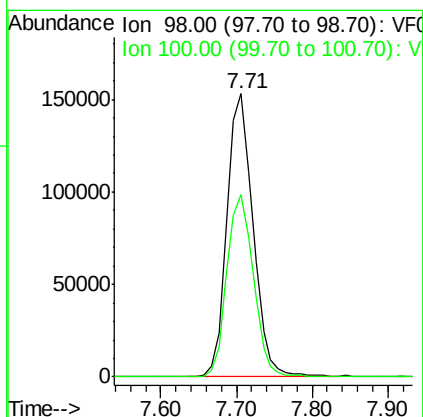
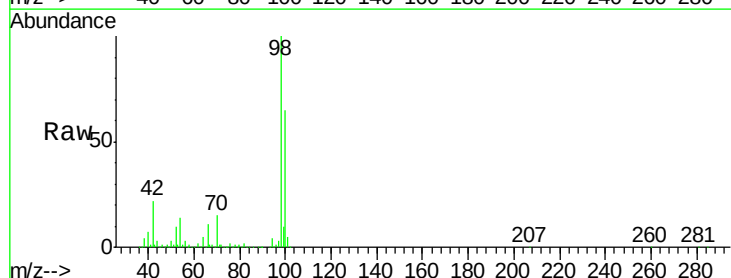
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

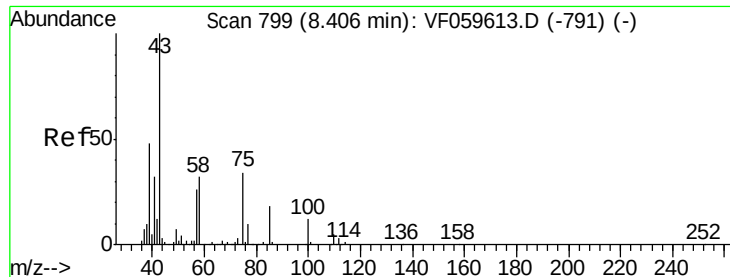
Tot Ion: 88 Resp: 7375
Ion Ratio Lower Upper
88 100
43 67.8 54.2 81.4
58 67.9 54.3 81.5



#50
Toluene-d8
Concen: 54.47 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

Tgt Ion: 98 Resp: 365656
Ion Ratio Lower Upper
98 100
100 64.5 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 190.31 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Instrument :

MSVOA_F

ClientSampleId :

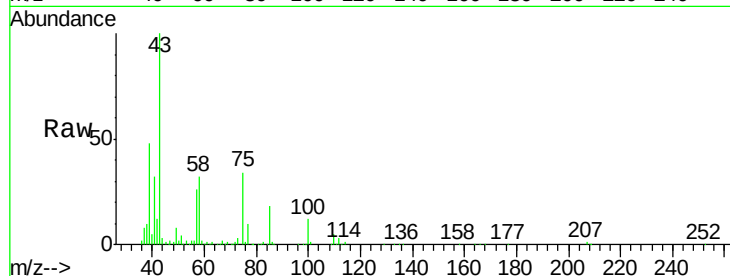
VSTDICCC050

Tot Ion: 43 Resp: 280776

Ion Ratio Lower Upper

43 100

58 32.2 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VF059613.D (-791) (-)

Ion 58.00 (57.70 to 58.70): VF059613.D (-791) (-)

8.41

120000

100000

80000

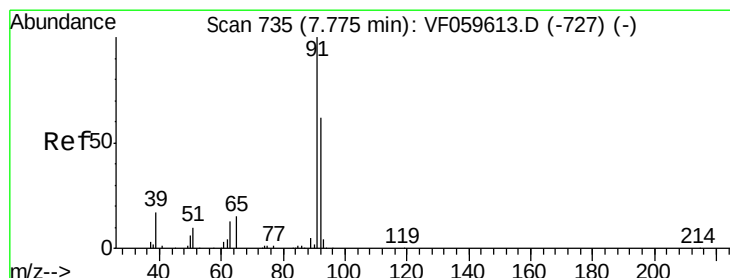
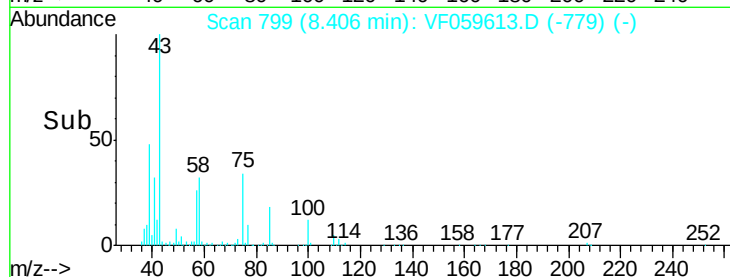
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 46.59 ug/l

RT: 7.77 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059613.D

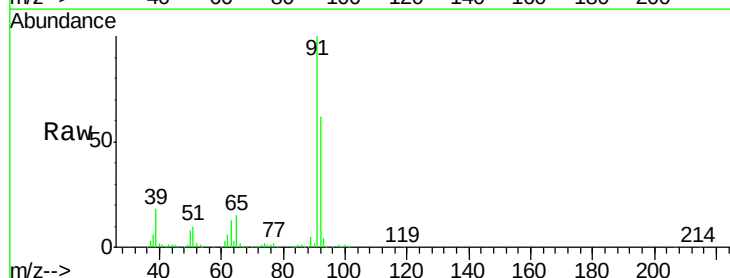
Acq: 23 Jul 2018 14:19

Tgt Ion: 92 Resp: 199764

Ion Ratio Lower Upper

92 100

91 162.3 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VF059613.D (-735) (-)

Ion 91.00 (90.70 to 91.70): VF059613.D (-735) (-)

7.77

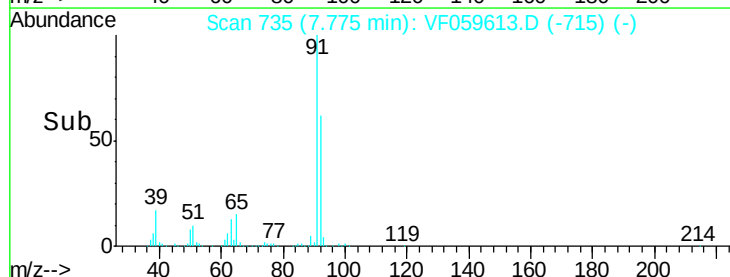
150000

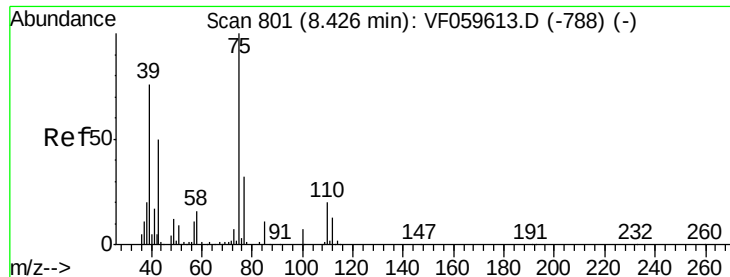
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 46.82 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Instrument :

MSVOA_F

ClientSampleId :

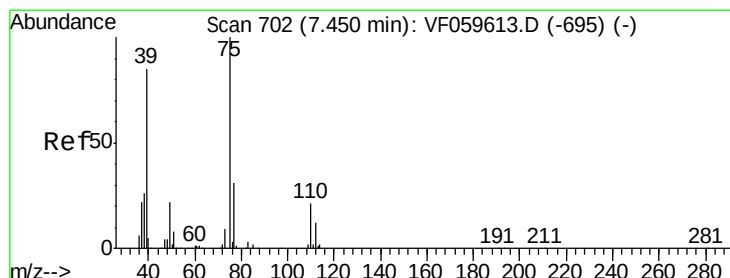
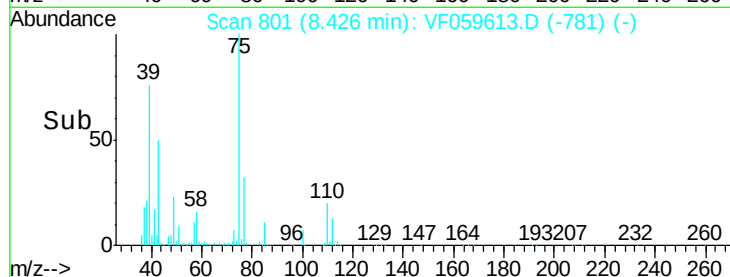
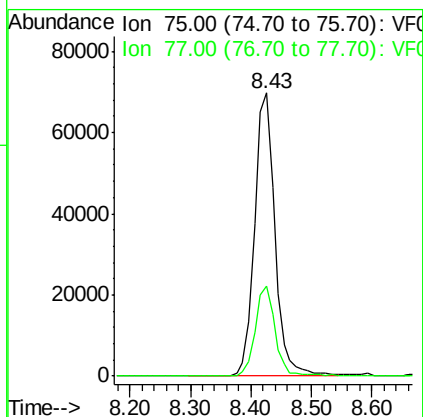
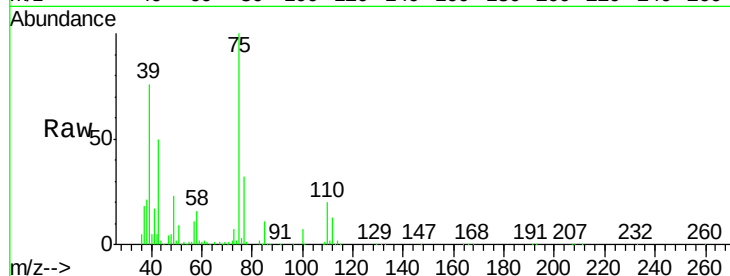
VSTDICCC050

Tot Ion: 75 Resp: 163959

Ion Ratio Lower Upper

75 100

77 32.0 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 47.79 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

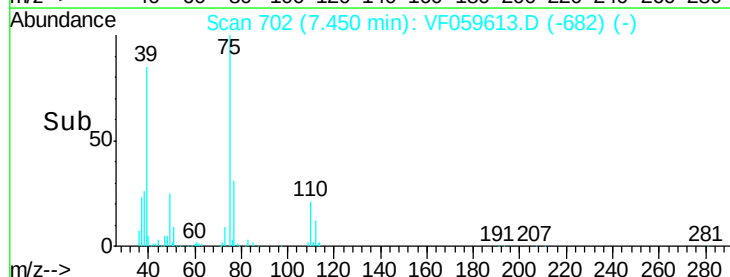
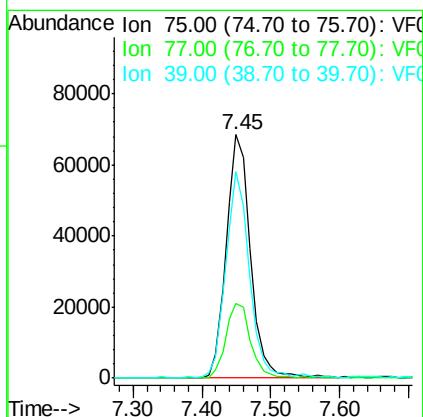
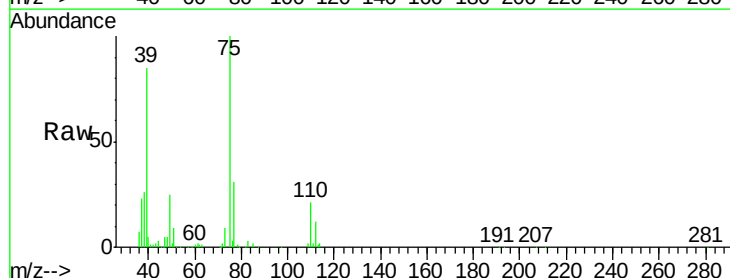
Tgt Ion: 75 Resp: 166569

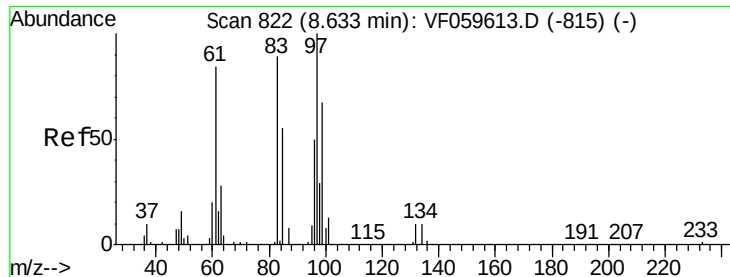
Ion Ratio Lower Upper

75 100

77 30.8 24.6 37.0

39 84.7 67.8 101.6

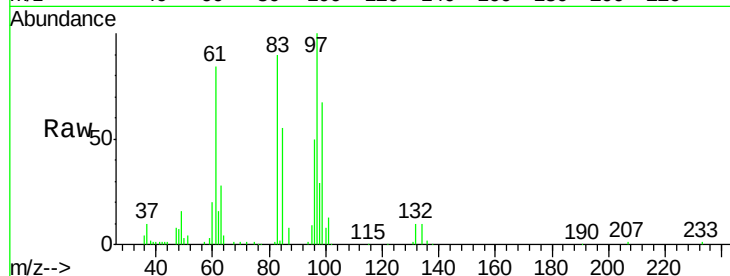




#55
 1,1,2-Trichloroethane
 Concen: 45.85 ug/l
 RT: 8.63 min Scan# 822
 Delta R.T. 0.00 min
 Lab File: VF059613.D
 Acq: 23 Jul 2018 14:19

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion:	97	Resp:	74674
Ion	Ratio	Lower	Upper
97	100		
83	89.7	71.8	107.6
85	54.9	43.9	65.9
99	66.9	53.5	80.3



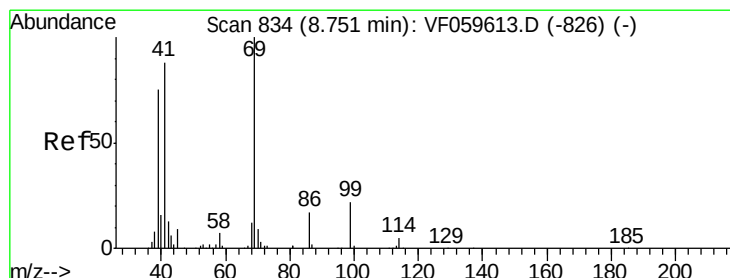
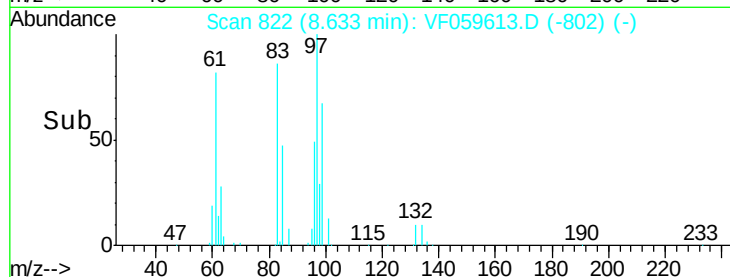
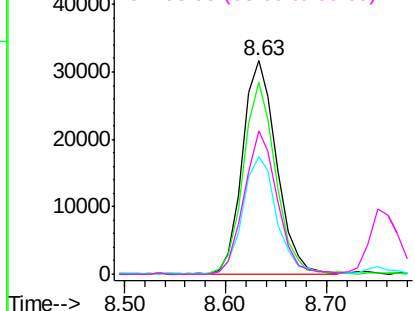
Abundance

Ion 97.00 (96.70 to 97.70): VF059613.D (-815) (-)

Ion 82.95 (82.65 to 83.65): VF059613.D (-815) (-)

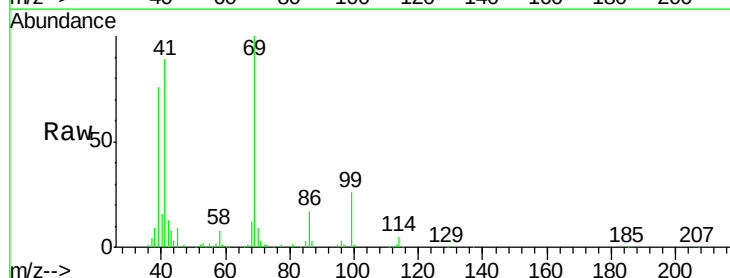
Ion 84.95 (84.65 to 85.65): VF059613.D (-815) (-)

Ion 98.95 (98.65 to 99.65): VF059613.D (-815) (-)



#56
 Ethyl methacrylate
 Concen: 42.34 ug/l
 RT: 8.75 min Scan# 834
 Delta R.T. 0.00 min
 Lab File: VF059613.D
 Acq: 23 Jul 2018 14:19

Tgt Ion:	69	Resp:	84258
Ion	Ratio	Lower	Upper
69	100		
41	88.5	70.8	106.2
39	75.9	60.7	91.1

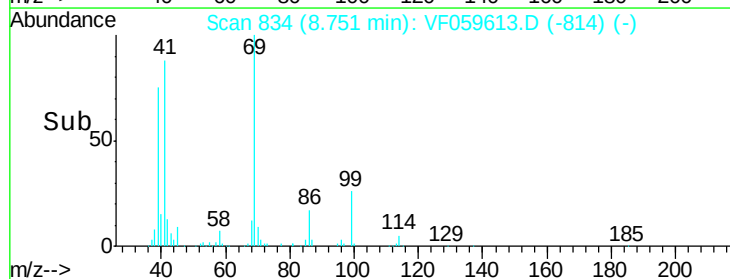
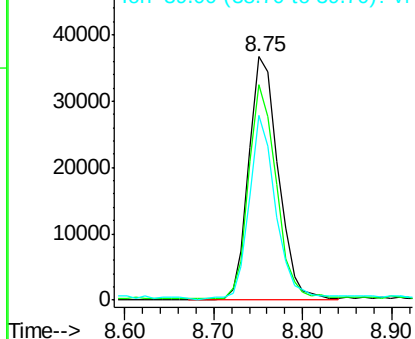


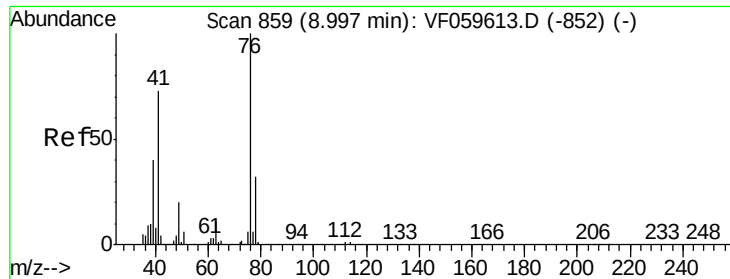
Abundance

Ion 69.00 (68.70 to 69.70): VF059613.D (-826) (-)

Ion 41.00 (40.70 to 41.70): VF059613.D (-826) (-)

Ion 39.00 (38.70 to 39.70): VF059613.D (-826) (-)

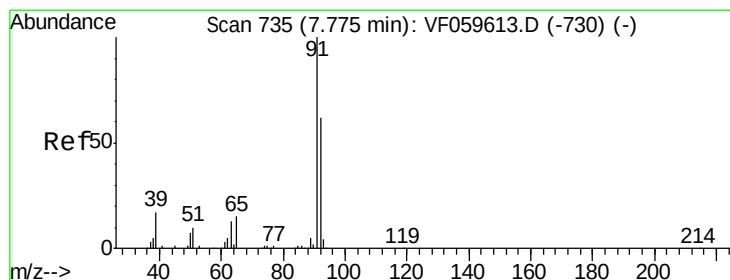
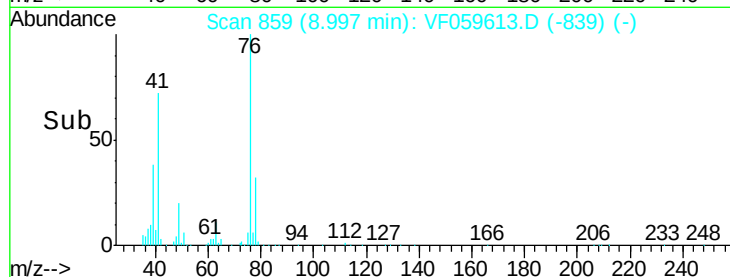
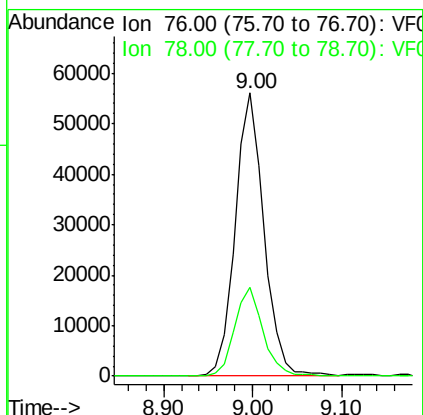
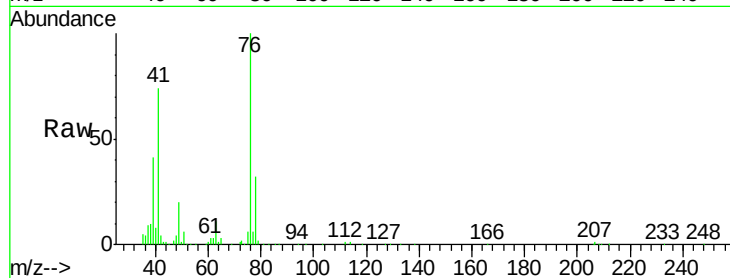




#57
 1,3-Dichloropropane
 Concen: 43.70 ug/l
 RT: 9.00 min Scan# 859
 Delta R.T. 0.00 min
 Lab File: VF059613.D
 Acq: 23 Jul 2018 14:19

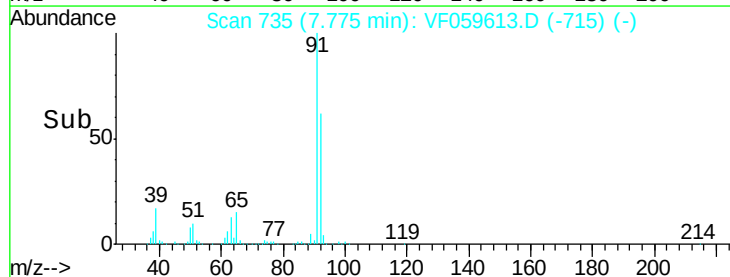
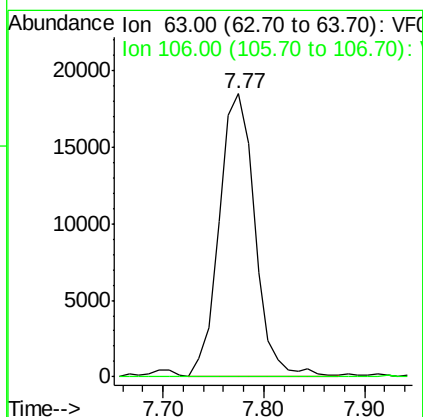
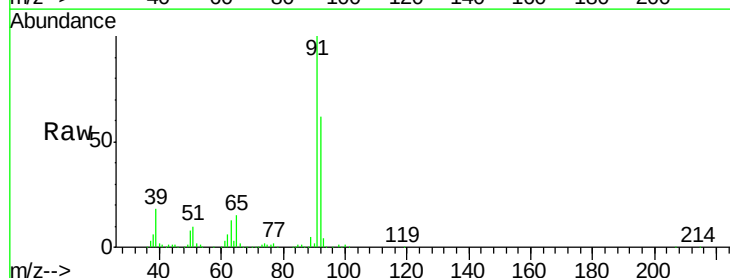
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

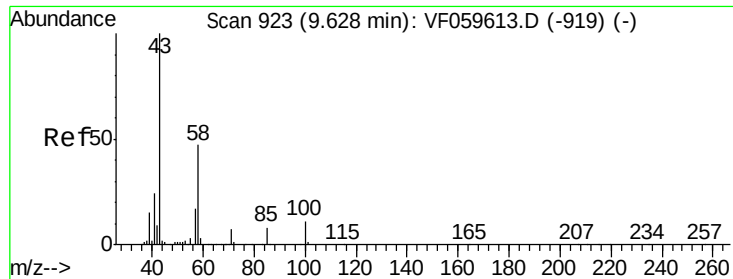
Tot Ion: 76 Resp: 126138
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.3 37.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 249.63 ug/l
 RT: 7.77 min Scan# 735
 Delta R.T. 0.00 min
 Lab File: VF059613.D
 Acq: 23 Jul 2018 14:19

Tgt Ion: 63 Resp: 45732
 Ion Ratio Lower Upper
 63 100
 106 0.0 0.0 0.0

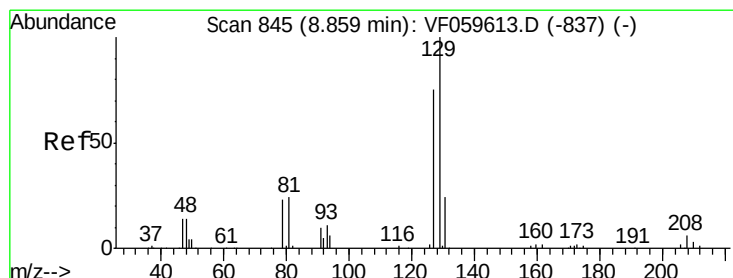
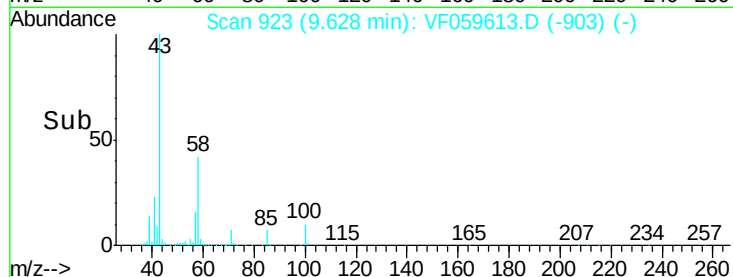
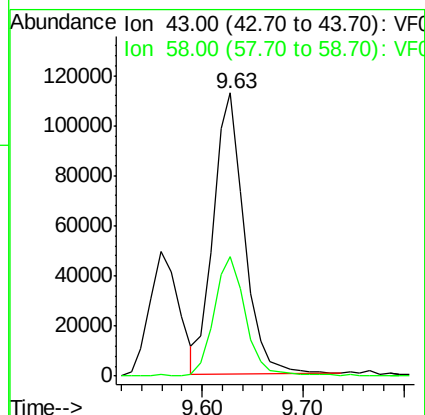
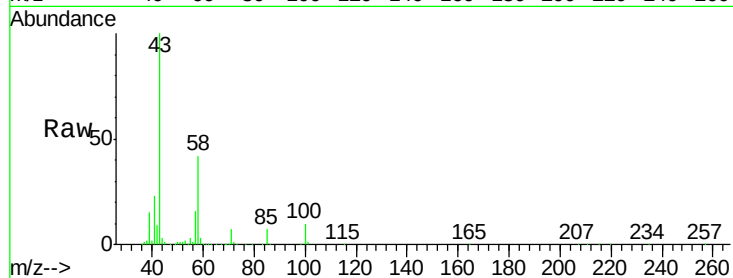




#59
2-Hexanone
Concen: 212.72 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

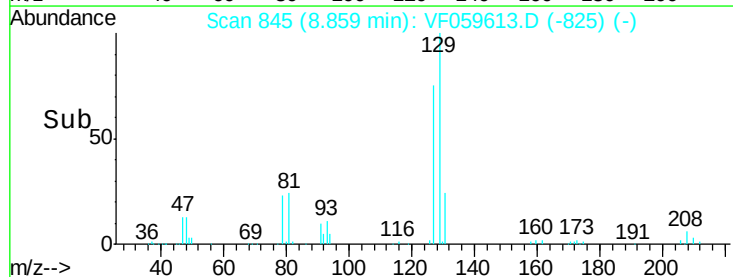
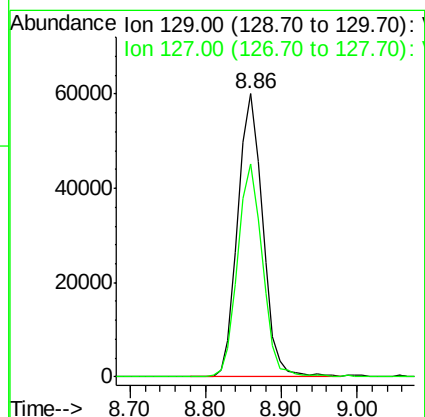
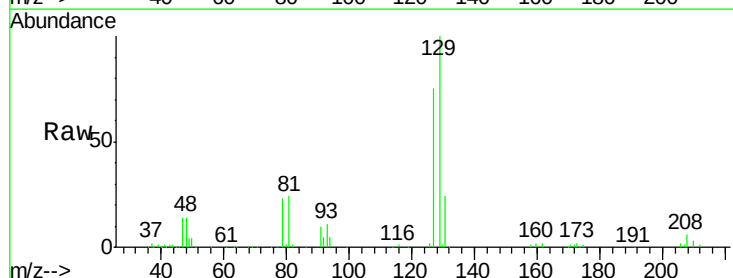
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

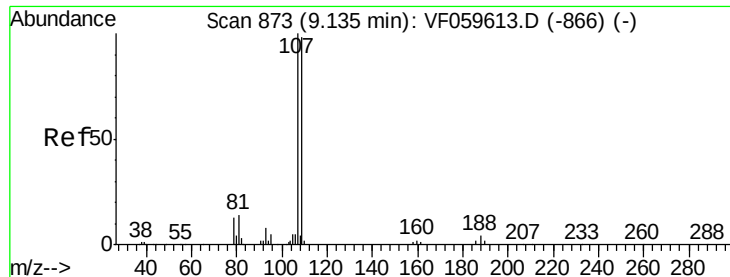
Tot Ion: 43 Resp: 239599
Ion Ratio Lower Upper
43 100
58 42.3 21.1 63.4



#60
Dibromochloromethane
Concen: 49.32 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

Tgt Ion: 129 Resp: 137203
Ion Ratio Lower Upper
129 100
127 75.1 37.5 112.7





#61

1,2-Dibromoethane

Concen: 44.03 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Instrument :

MSVOA_F

ClientSampleId :

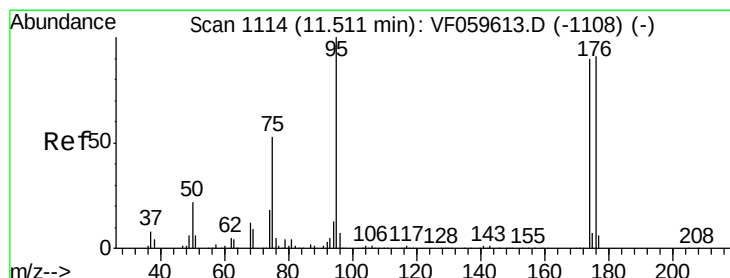
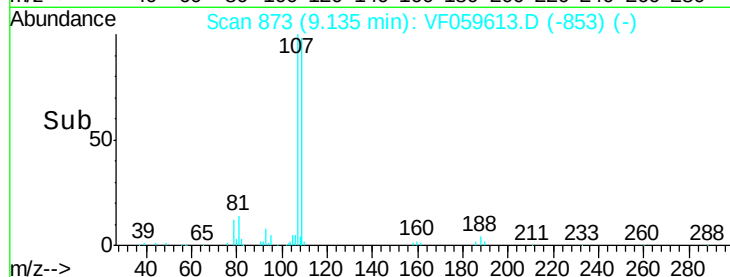
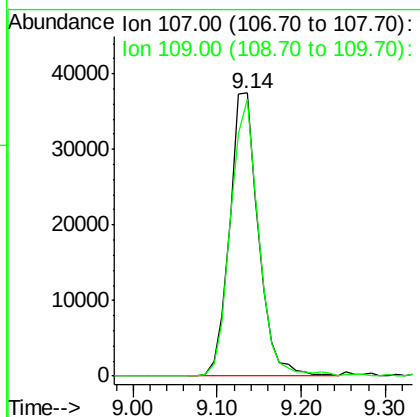
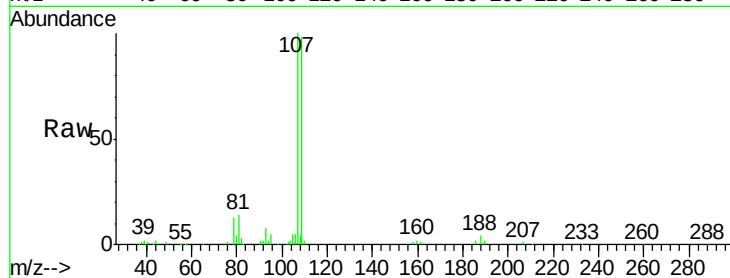
VSTDICCC050

Tot Ion:107 Resp: 89254

Ion Ratio Lower Upper

107 100

109 97.8 78.2 117.4



#62

4-Bromofluorobenzene

Concen: 57.42 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

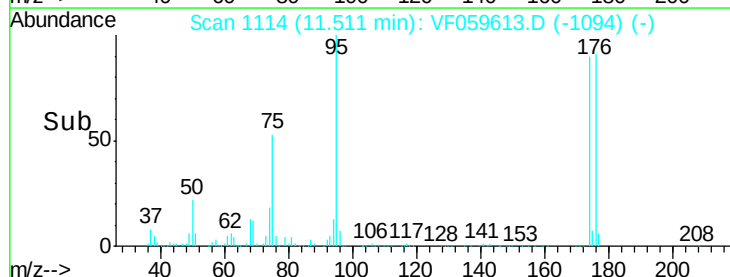
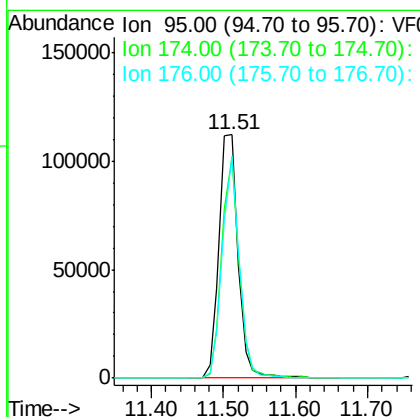
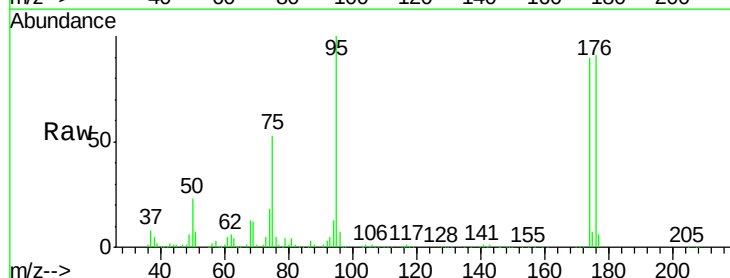
Tgt Ion: 95 Resp: 205908

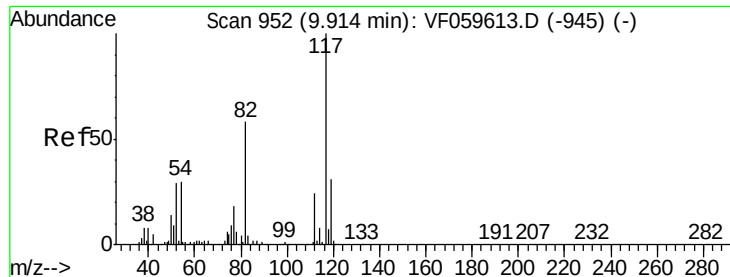
Ion Ratio Lower Upper

95 100

174 90.3 0.0 180.6

176 91.2 0.0 182.4

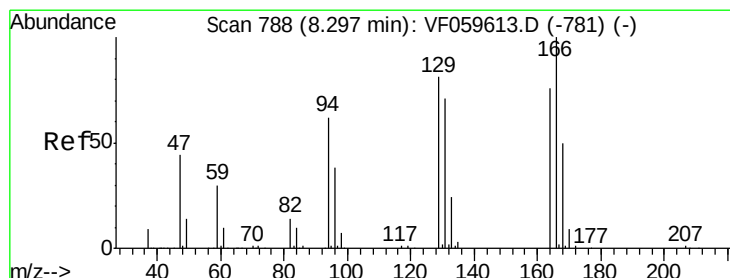
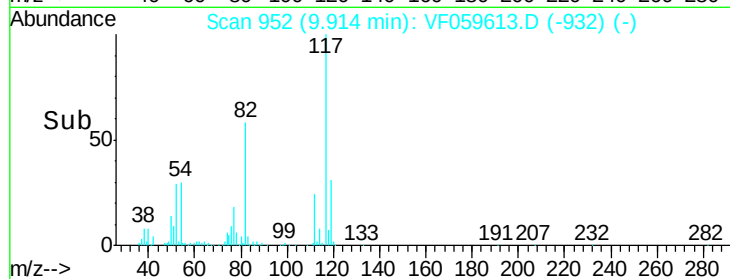
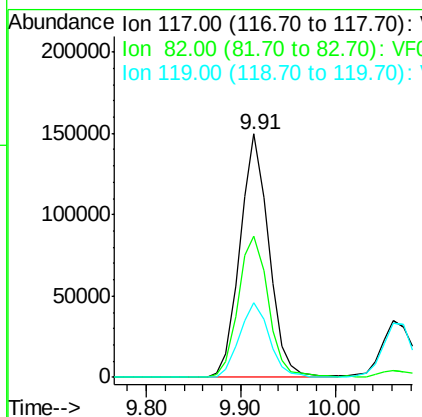
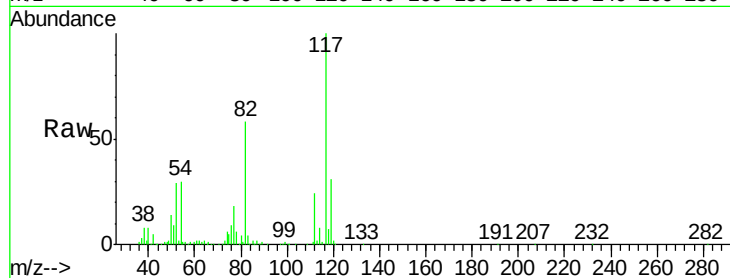




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

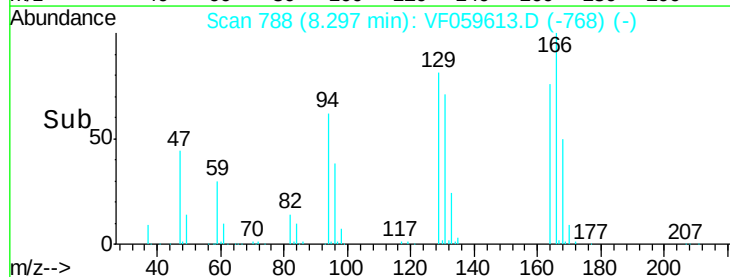
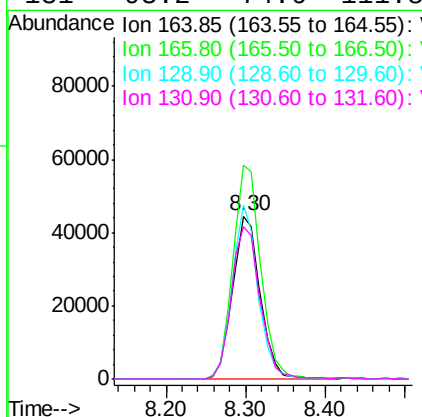
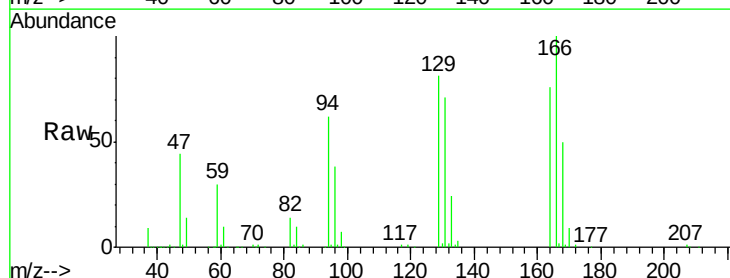
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

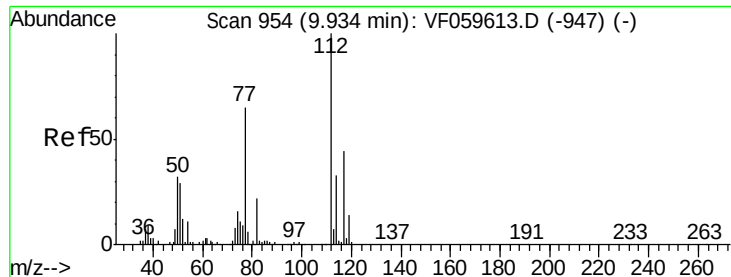
Tot Ion	Ratio	Lower	Upper
117	100		
82	58.1	46.5	69.7
119	30.5	24.4	36.6



#64
Tetrachloroethene
Concen: 45.62 ug/l
RT: 8.30 min Scan# 788
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.0	104.8	157.2
129	106.6	85.3	127.9
131	93.2	74.6	111.8





#65

Chlorobenzene

Concen: 47.55 ug/l

RT: 9.93 min Scan# 954

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Instrument :

MSVOA_F

ClientSampleId :

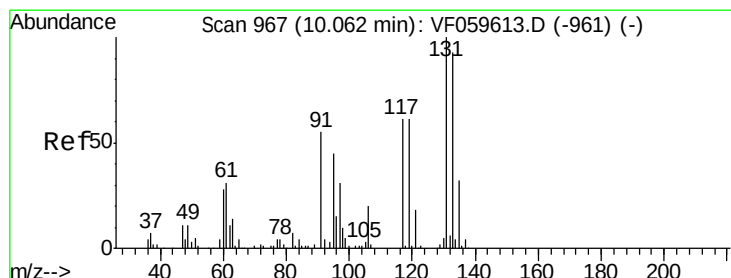
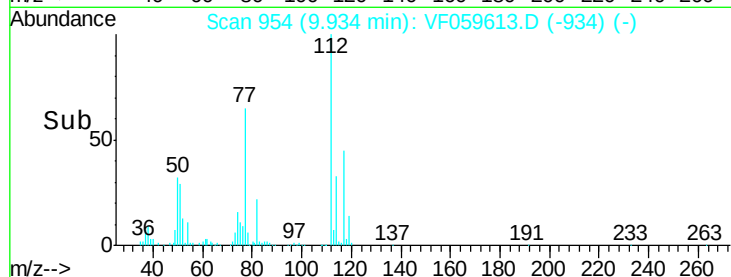
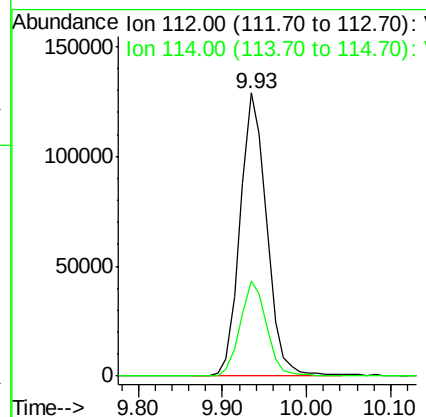
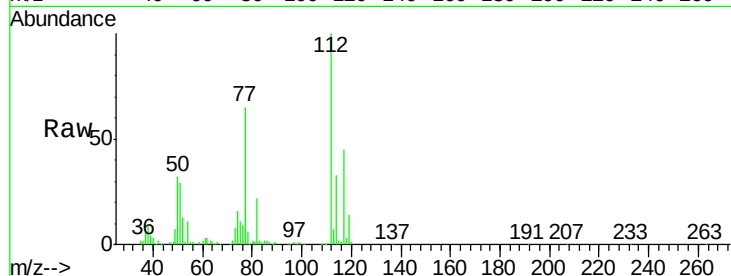
VSTDICCC050

Tot Ion:112 Resp: 284097

Ion Ratio Lower Upper

112 100

114 33.5 26.8 40.2



#66

1,1,1,2-Tetrachloroethane

Concen: 47.89 ug/l

RT: 10.06 min Scan# 967

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

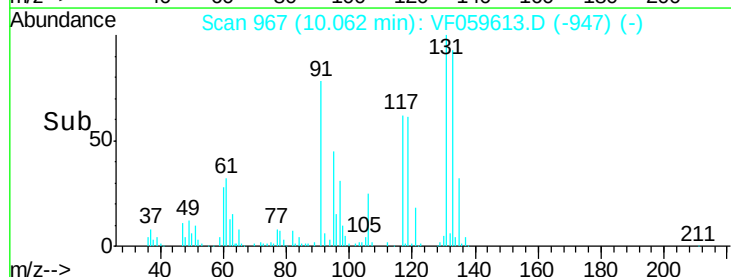
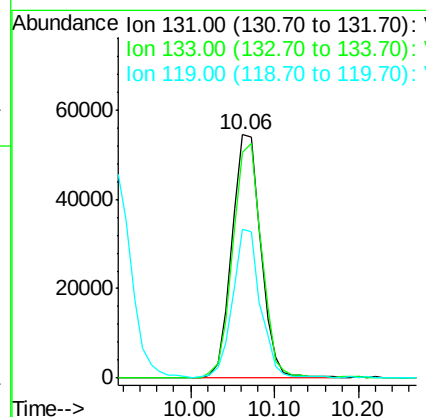
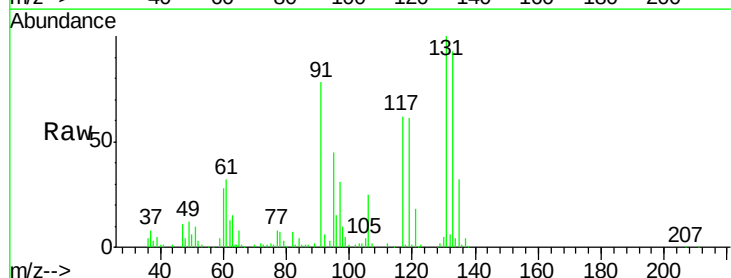
Tgt Ion:131 Resp: 130383

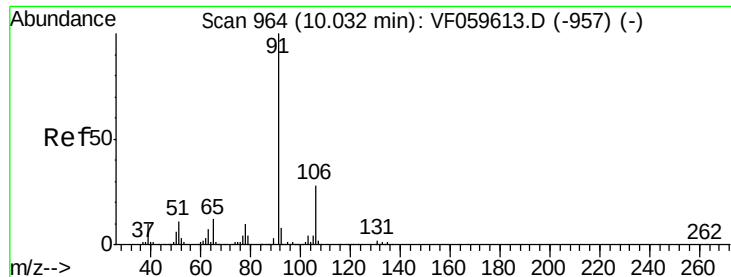
Ion Ratio Lower Upper

131 100

133 92.8 46.4 139.2

119 61.2 30.6 91.8





#67

Ethyl Benzene

Concen: 46.13 ug/l

RT: 10.03 min Scan# 964

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Instrument :

MSVOA_F

ClientSampleId :

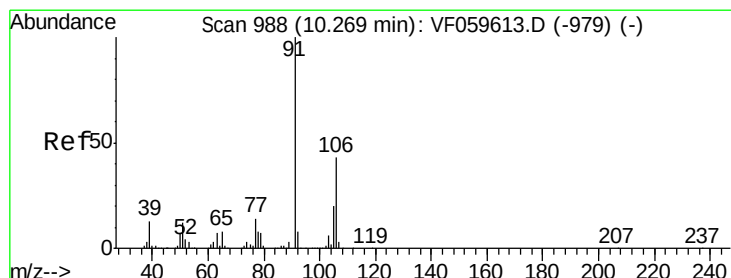
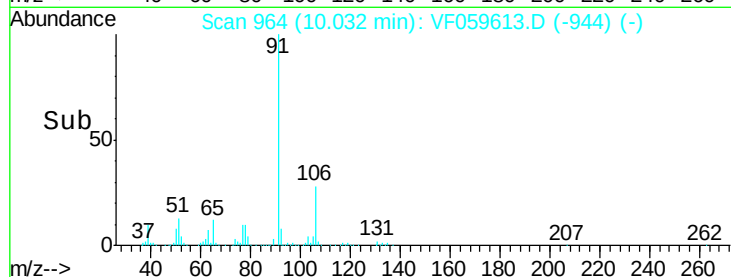
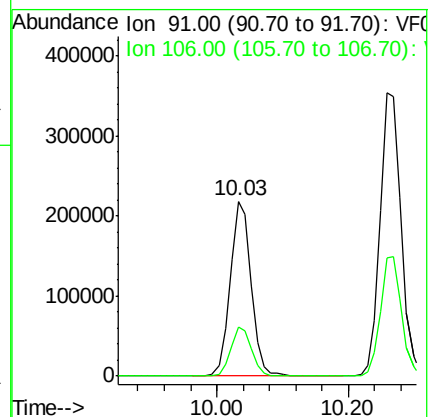
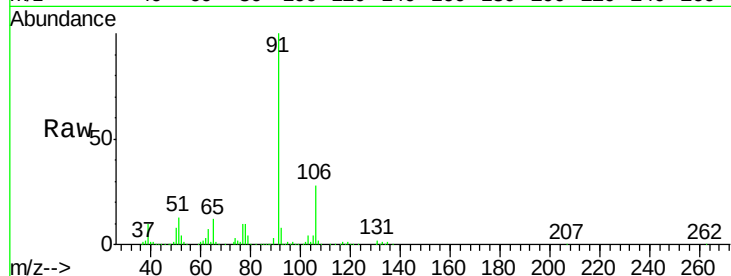
VSTDICCC050

Tot Ion: 91 Resp: 489551

Ion Ratio Lower Upper

91 100

106 28.1 22.5 33.7



#68

m/p-Xylenes

Concen: 89.88 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.00 min

Lab File: VF059613.D

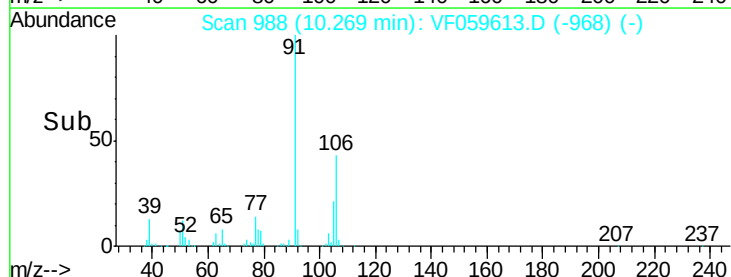
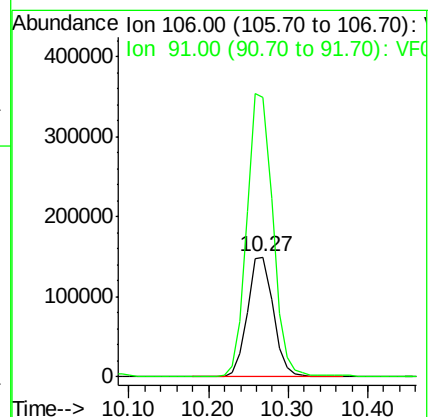
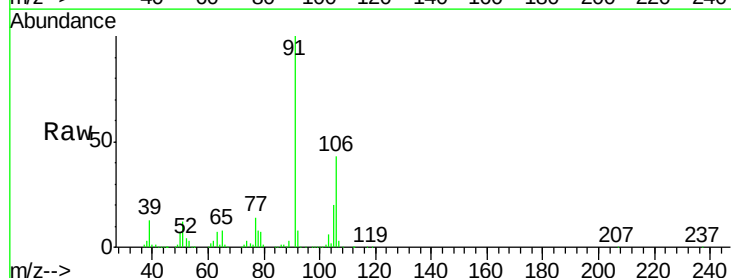
Acq: 23 Jul 2018 14:19

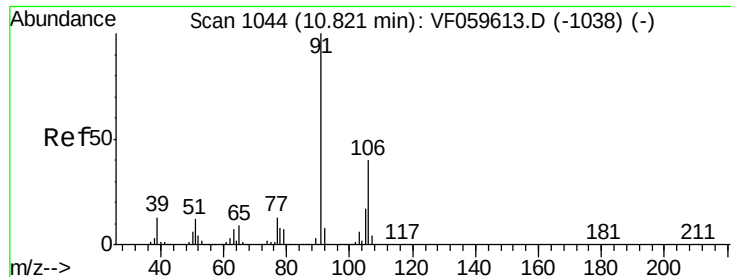
Tgt Ion: 106 Resp: 334896

Ion Ratio Lower Upper

106 100

91 233.7 187.0 280.4

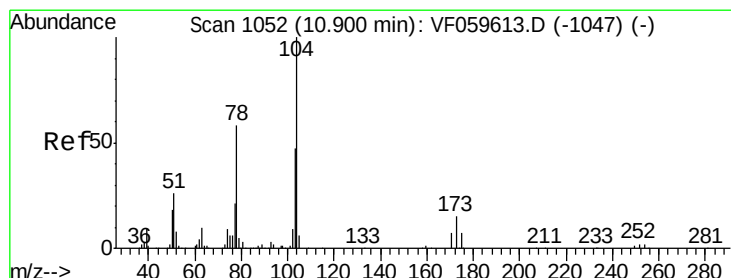
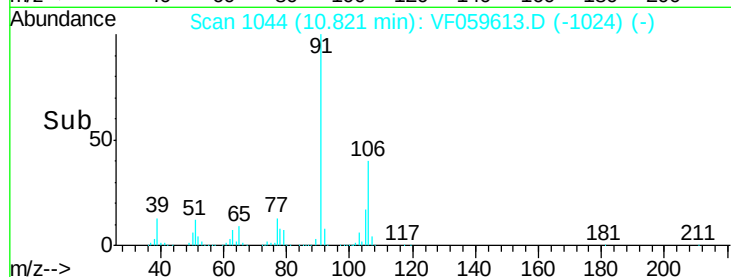
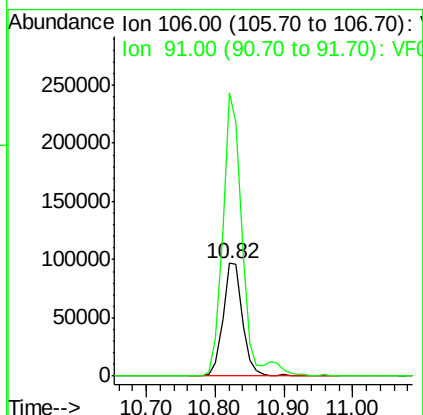
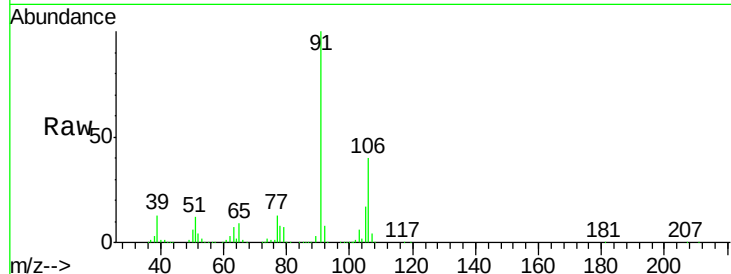




#69
o-Xylene
Concen: 47.62 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

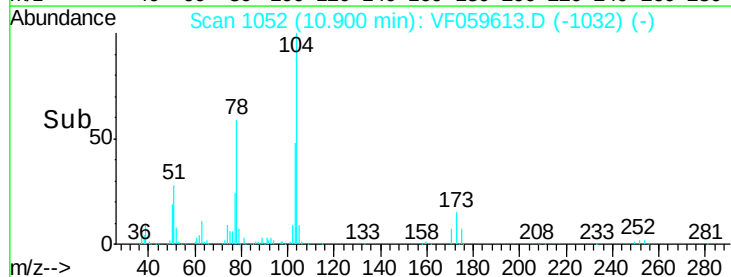
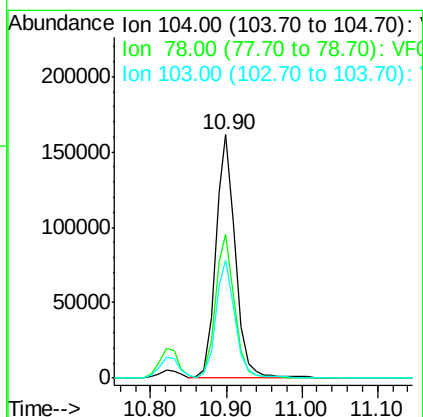
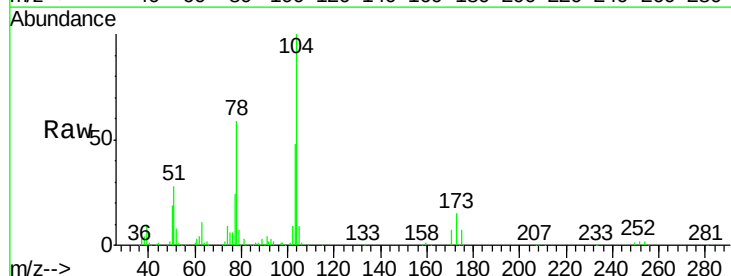
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

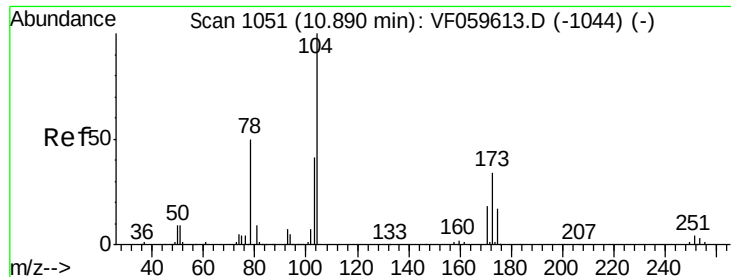
Tot Ion:106 Resp: 190656
Ion Ratio Lower Upper
106 100
91 251.5 125.8 377.3



#70
Styrene
Concen: 46.98 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

Tgt Ion:104 Resp: 288718
Ion Ratio Lower Upper
104 100
78 59.3 47.4 71.2
103 48.5 38.8 58.2





#71

Bromoform

Concen: 44.59 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

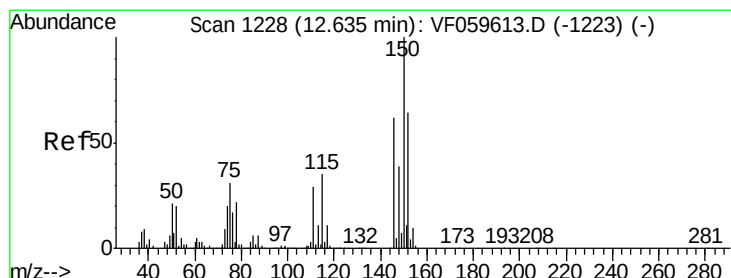
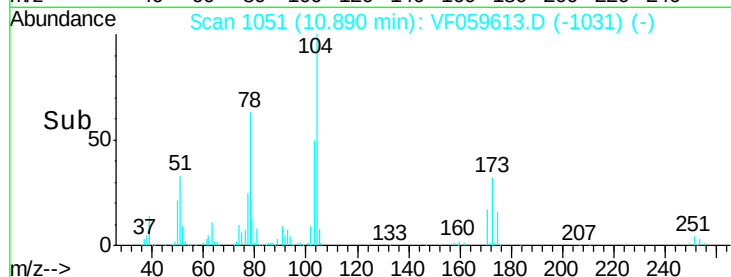
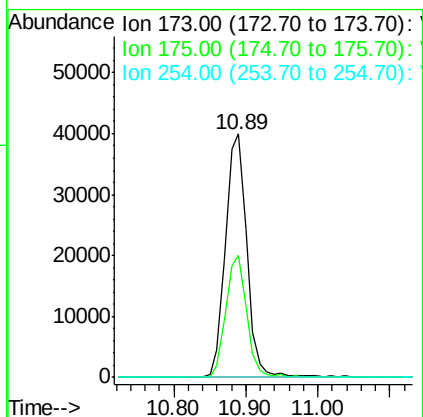
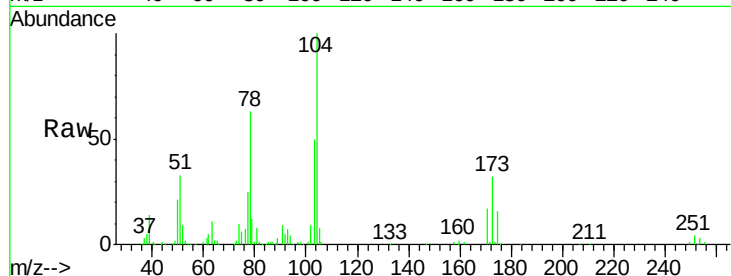
Tot Ion:173 Resp: 82259

Ion Ratio Lower Upper

173 100

175 50.1 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# 1228

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

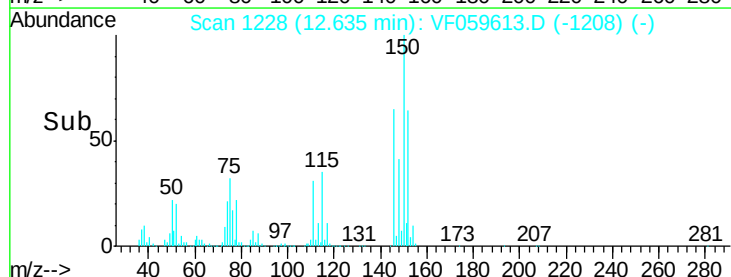
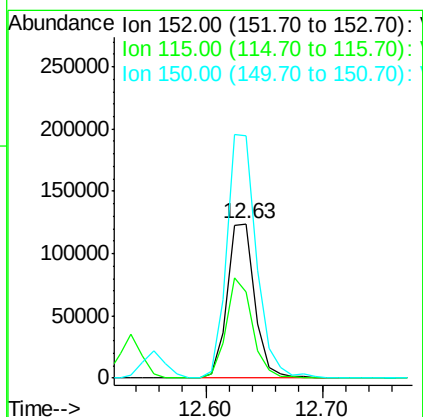
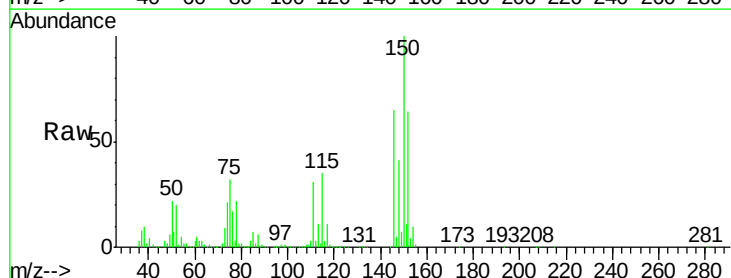
Tgt Ion:152 Resp: 205068

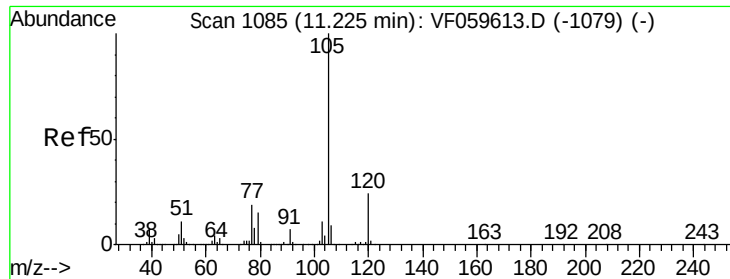
Ion Ratio Lower Upper

152 100

115 55.6 27.8 83.4

150 157.3 0.0 314.6





#73

Isopropylbenzene

Concen: 46.81 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Instrument :

MSVOA_F

ClientSampleId :

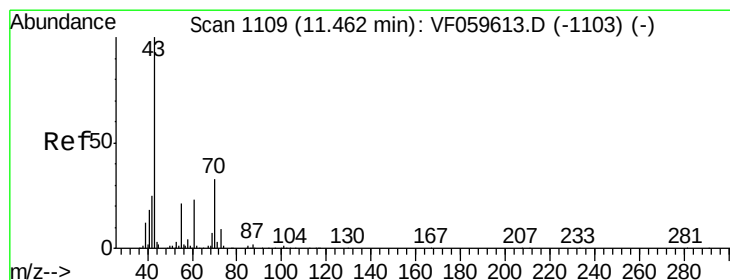
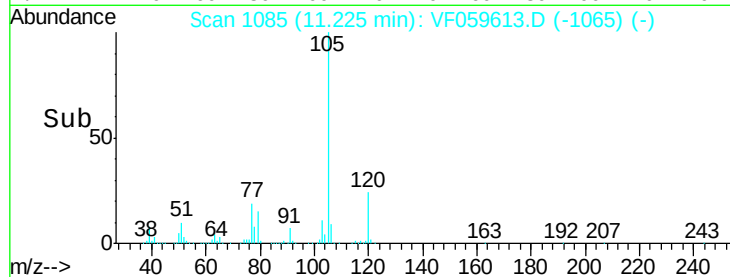
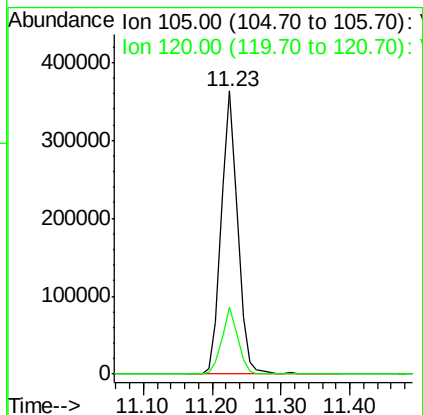
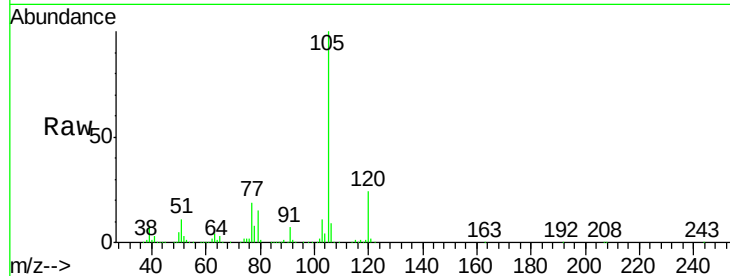
VSTDICCC050

Tot Ion:105 Resp: 604224

Ion Ratio Lower Upper

105 100

120 23.6 11.8 35.4



#74

N-ethyl acetate

Concen: 37.11 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Tgt Ion: 43 Resp: 147005

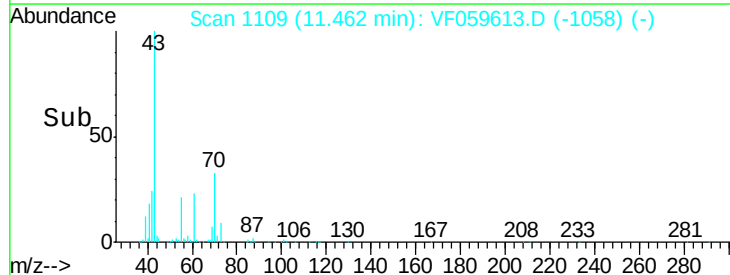
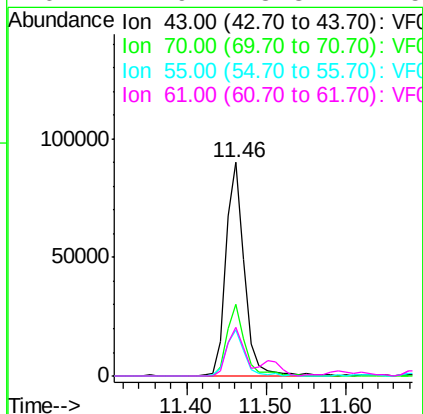
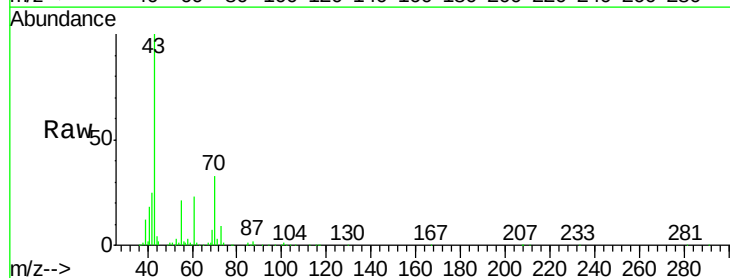
Ion Ratio Lower Upper

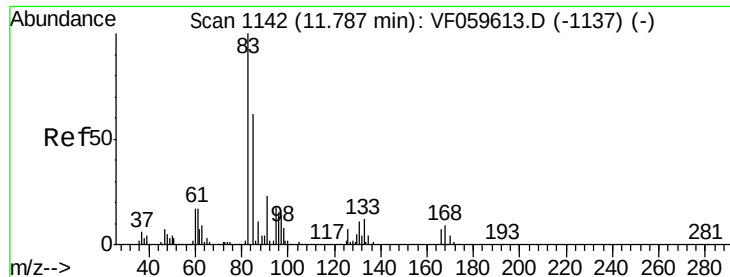
43 100

70 33.3 26.6 40.0

55 21.3 17.0 25.6

61 22.9 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 39.29 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

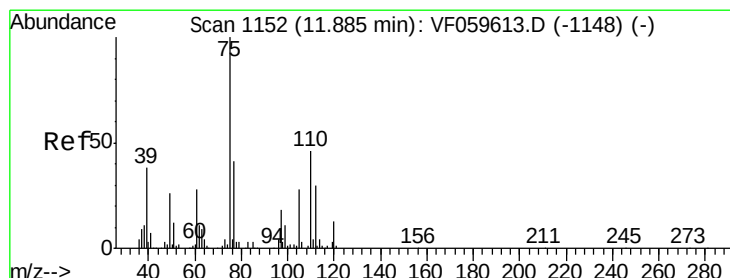
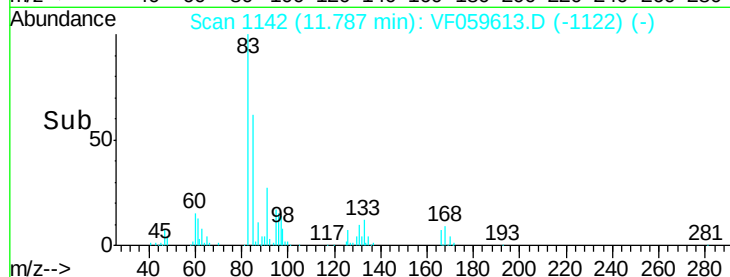
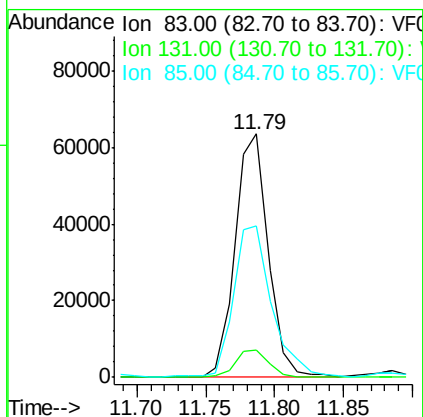
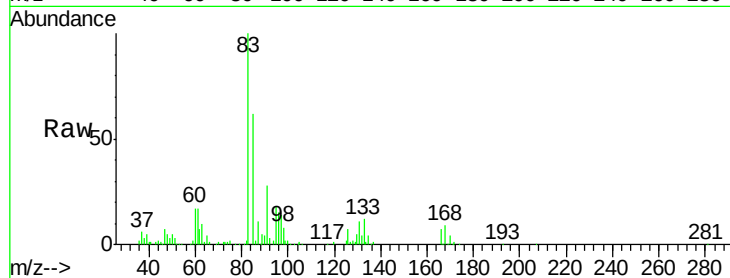
Tot Ion: 83 Resp: 106923

Ion Ratio Lower Upper

83 100

131 11.3 5.7 17.0

85 62.2 31.1 93.3



#76

1,2,3-Trichloropropane

Concen: 38.59 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF059613.D

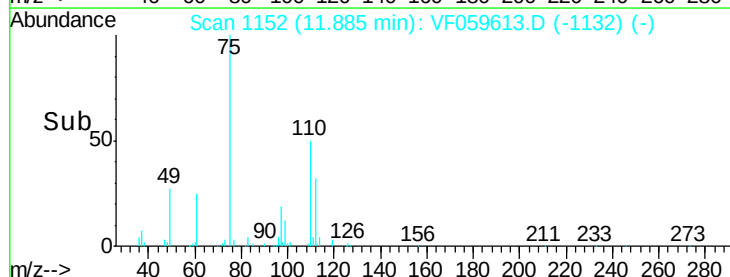
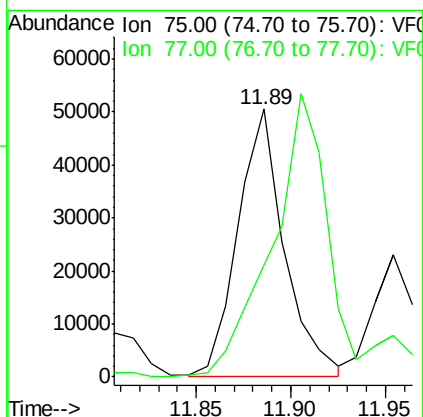
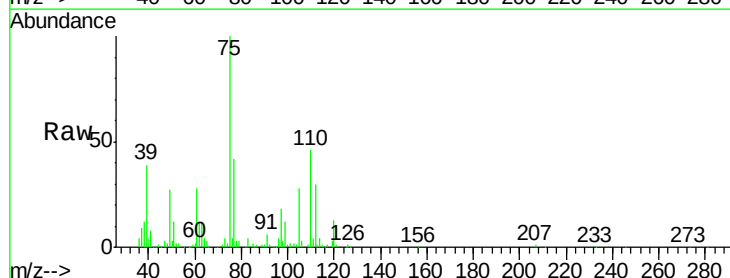
Acq: 23 Jul 2018 14:19

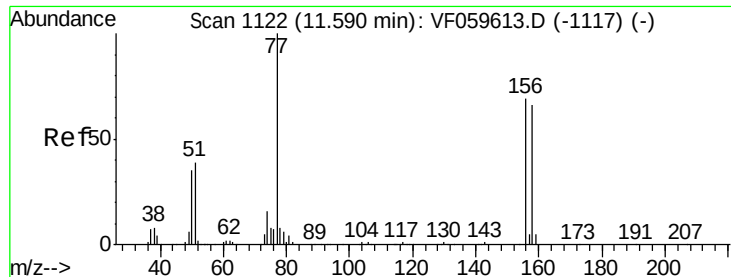
Tgt Ion: 75 Resp: 85972

Ion Ratio Lower Upper

75 100

77 41.9 20.9 62.8





#77

Bromobenzene

Concen: 44.16 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

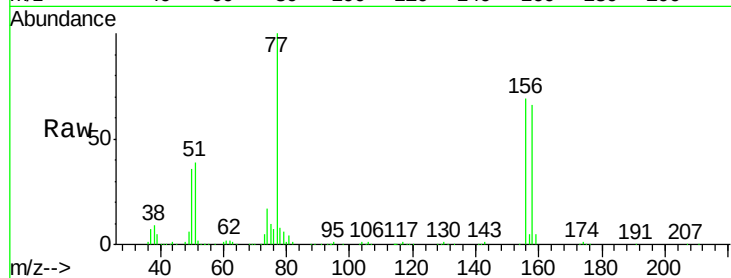
Tot Ion:156 Resp: 158046

Ion Ratio Lower Upper

156 100

77 144.2 72.1 216.3

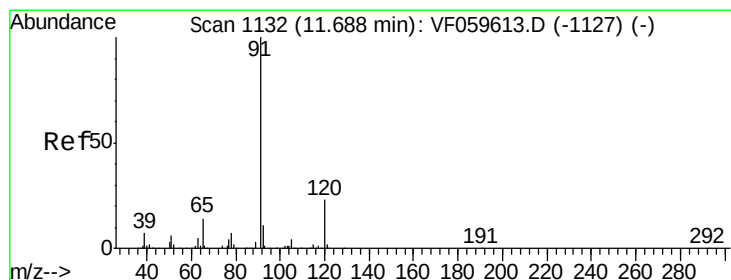
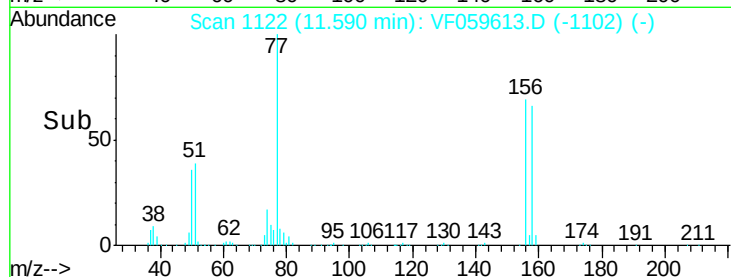
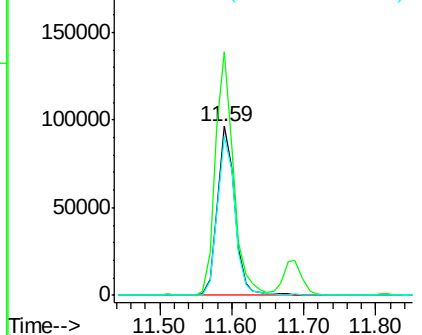
158 94.6 47.3 141.9



Abundance Ion 156.00 (155.70 to 156.70):

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70):



#78

n-propylbenzene

Concen: 47.69 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF059613.D

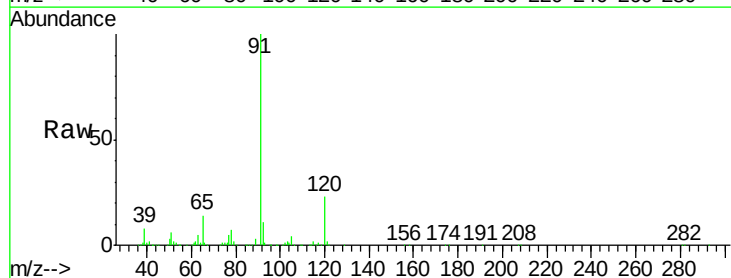
Acq: 23 Jul 2018 14:19

Tgt Ion: 91 Resp: 711377

Ion Ratio Lower Upper

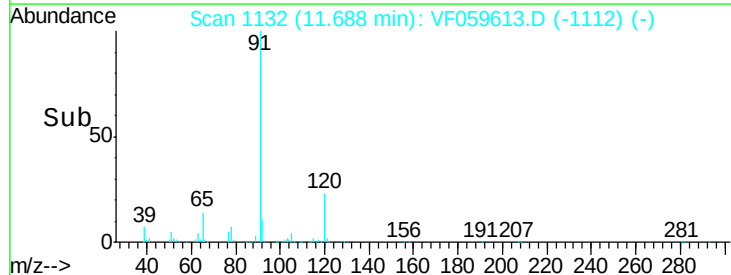
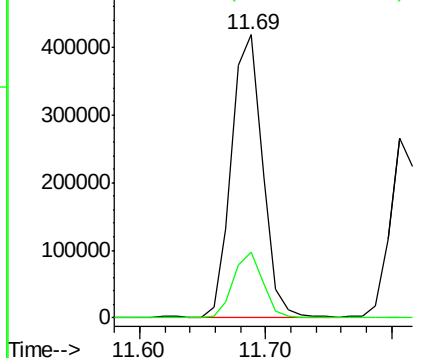
91 100

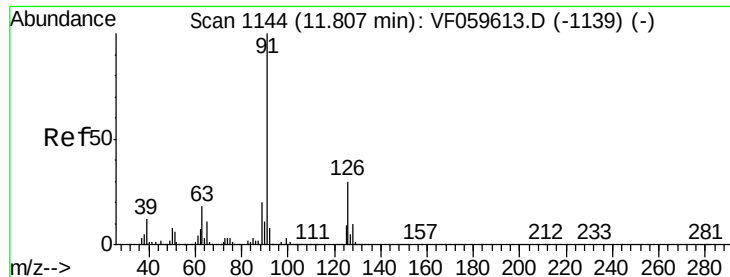
120 23.1 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70):





#79

2-Chlorotoluene

Concen: 46.64 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Instrument :

MSVOA_F

ClientSampleId :

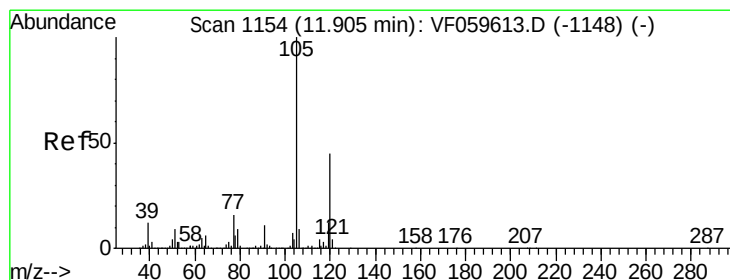
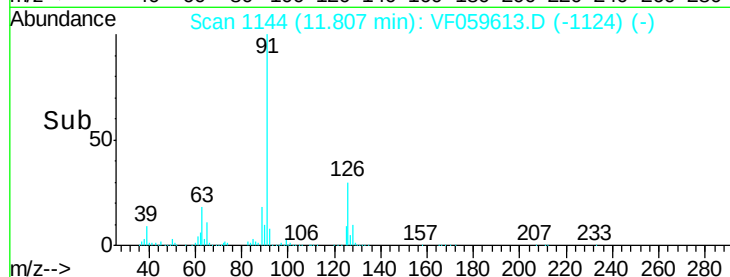
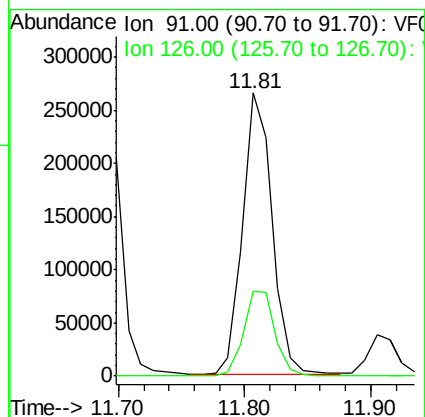
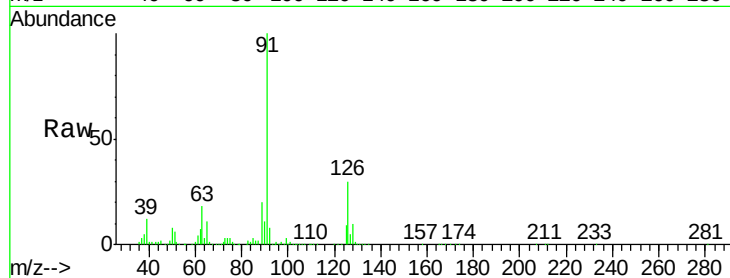
VSTDICCC050

Tot Ion: 91 Resp: 427101

Ion Ratio Lower Upper

91 100

126 30.2 15.1 45.3



#80

1,3,5-Trimethylbenzene

Concen: 48.74 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VF059613.D

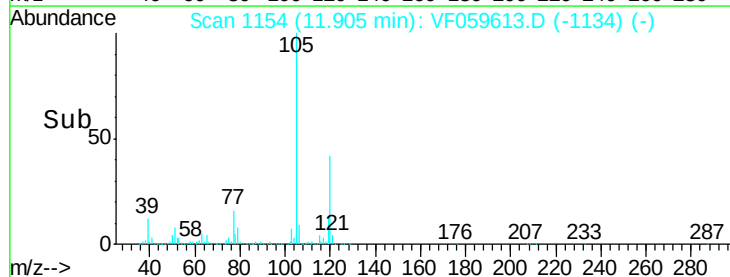
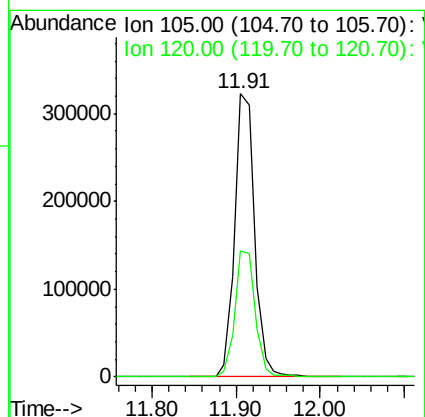
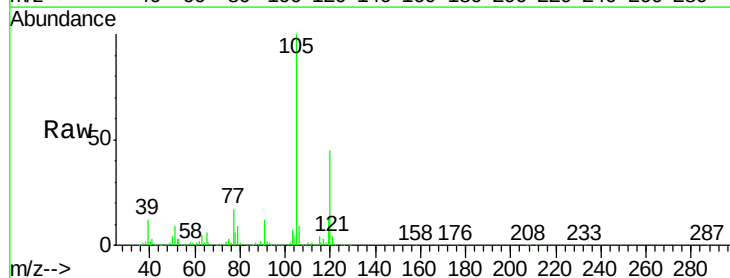
Acq: 23 Jul 2018 14:19

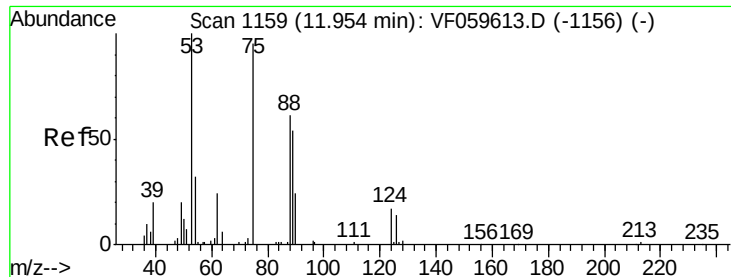
Tgt Ion: 105 Resp: 532191

Ion Ratio Lower Upper

105 100

120 44.7 22.4 67.0

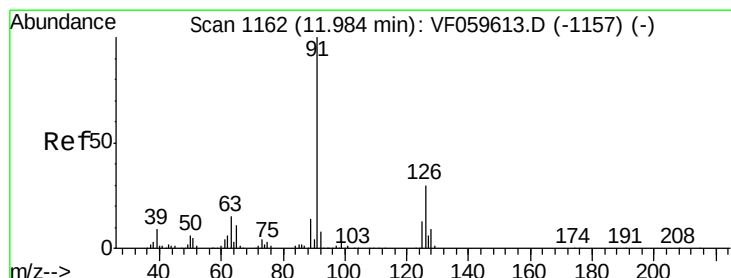
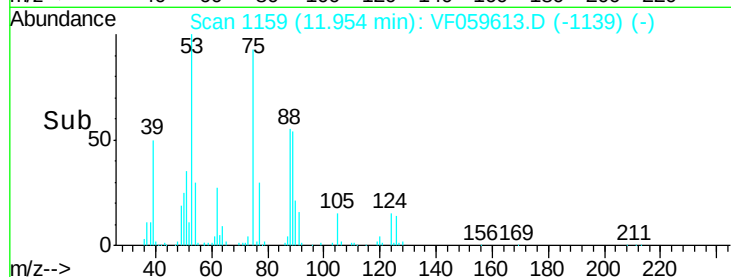
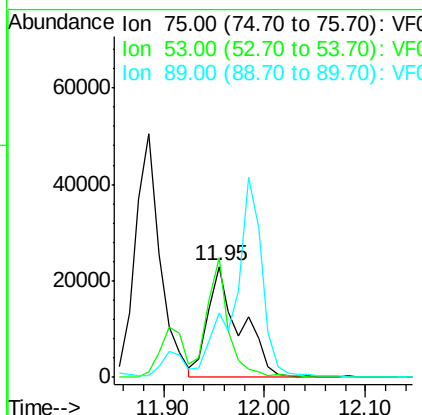
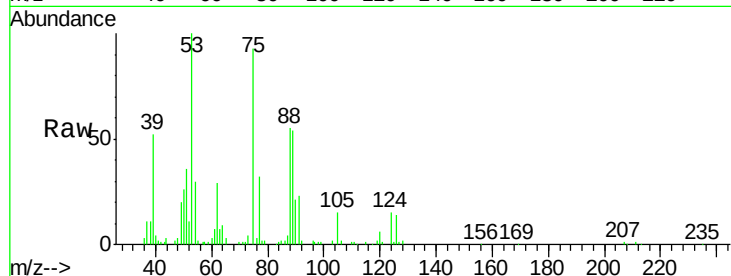




#81
trans-1,4-Dichloro-2-butene
Concen: 48.85 ug/l
RT: 11.95 min Scan# 1159
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

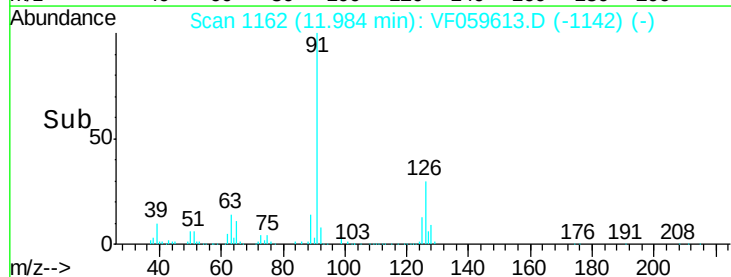
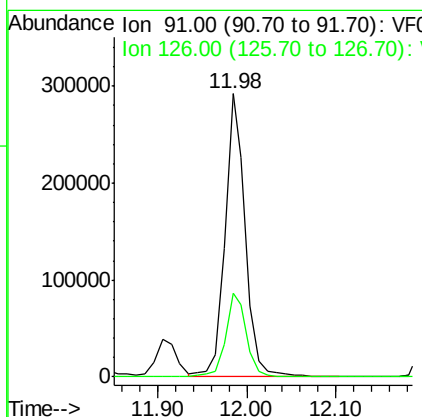
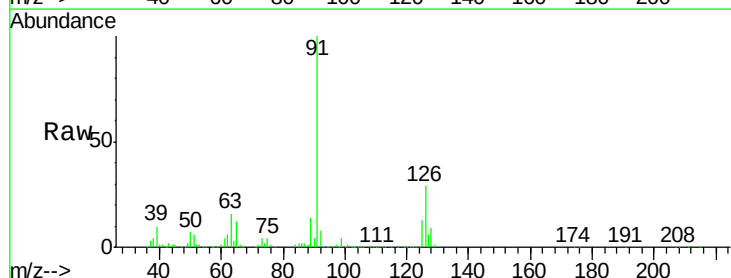
Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

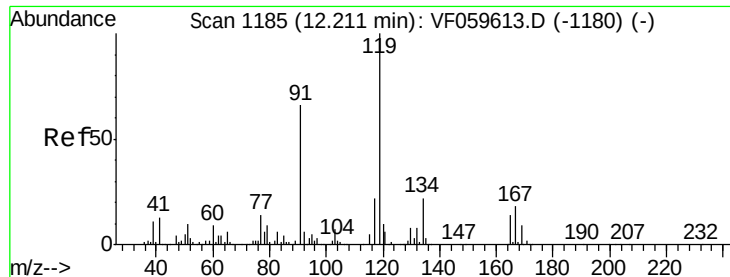
Tot Ion: 75 Resp: 51950
Ion Ratio Lower Upper
75 100
53 108.0 86.4 129.6
89 58.5 46.8 70.2



#82
4-Chlorotoluene
Concen: 45.45 ug/l
RT: 11.98 min Scan# 1162
Delta R.T. 0.00 min
Lab File: VF059613.D
Acq: 23 Jul 2018 14:19

Tgt Ion: 91 Resp: 462484
Ion Ratio Lower Upper
91 100
126 29.4 14.7 44.1

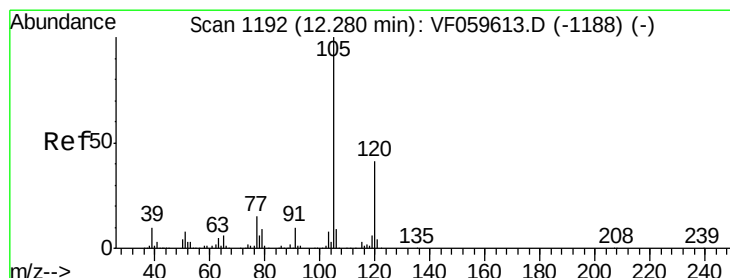
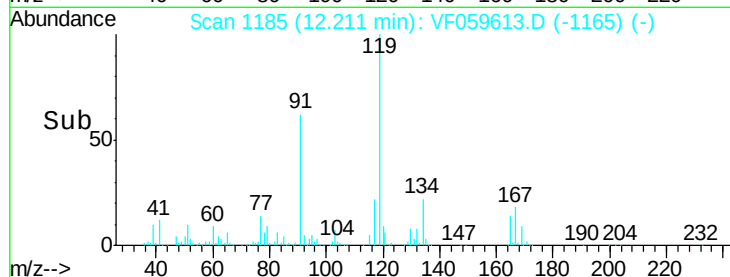
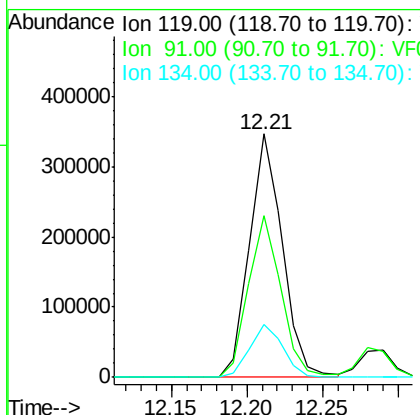
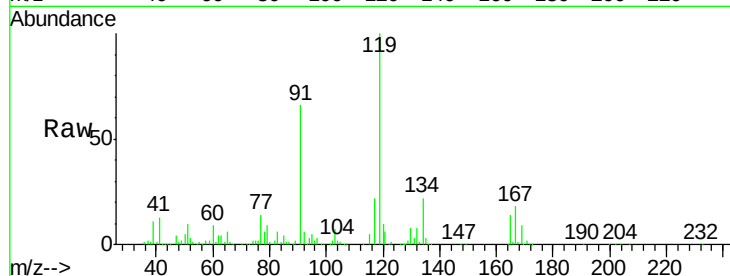




#83
 tert-Butylbenzene
 Concen: 50.32 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF059613.D
 Acq: 23 Jul 2018 14:19

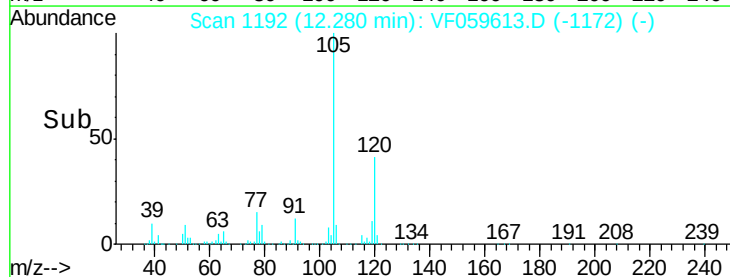
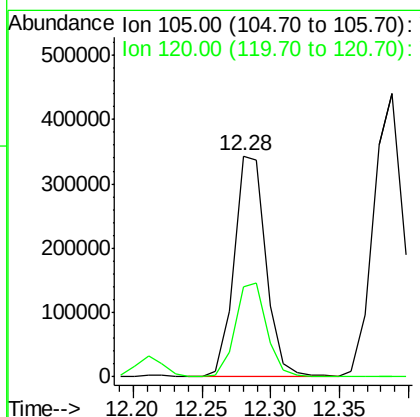
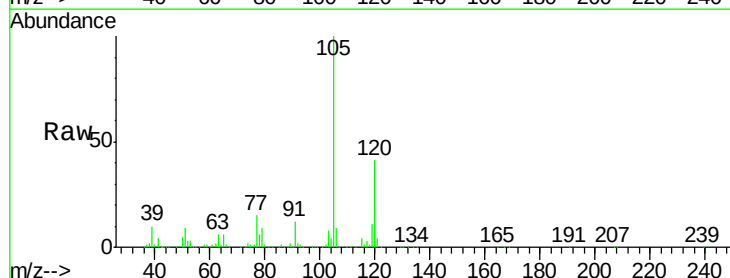
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

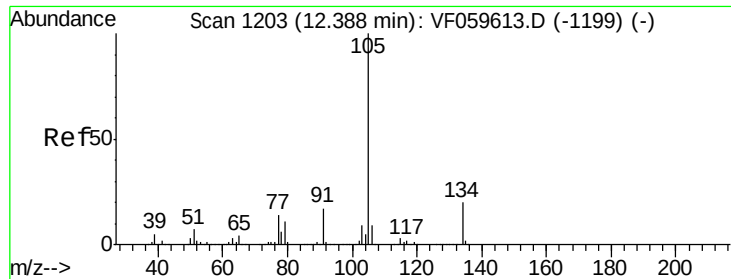
Tot Ion:119 Resp: 528344
 Ion Ratio Lower Upper
 119 100
 91 66.4 33.2 99.6
 134 21.7 10.9 32.6



#84
 1,2,4-Trimethylbenzene
 Concen: 49.11 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: VF059613.D
 Acq: 23 Jul 2018 14:19

Tgt Ion:105 Resp: 552654
 Ion Ratio Lower Upper
 105 100
 120 40.9 20.4 61.3

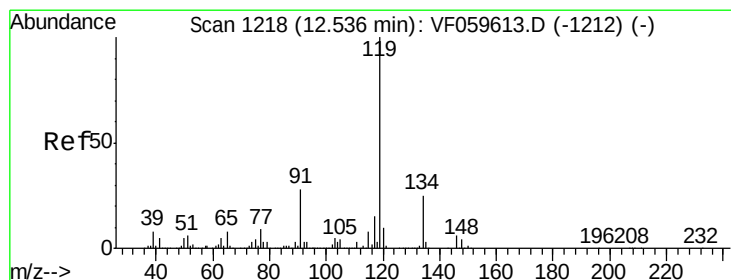
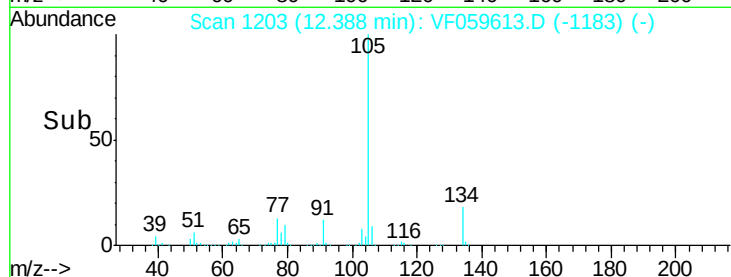
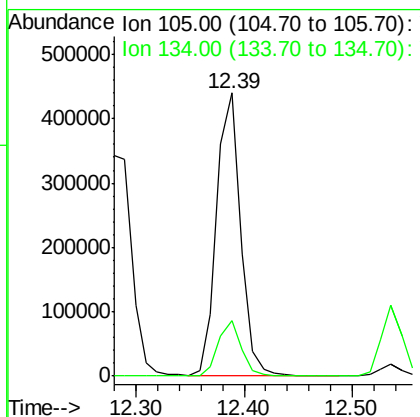
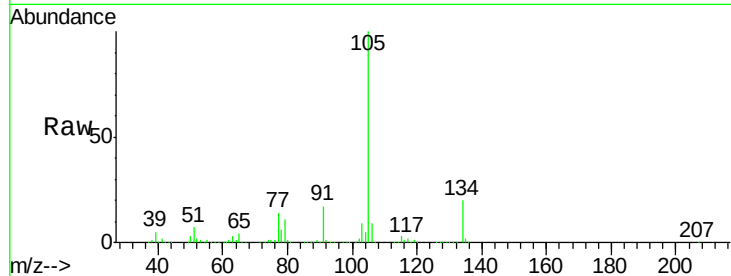




#85
 sec-Butylbenzene
 Concen: 50.78 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: VF059613.D
 Acq: 23 Jul 2018 14:19

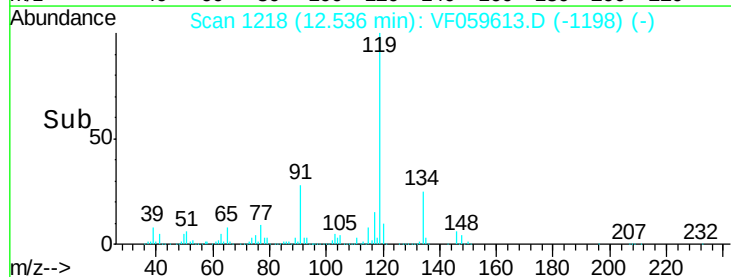
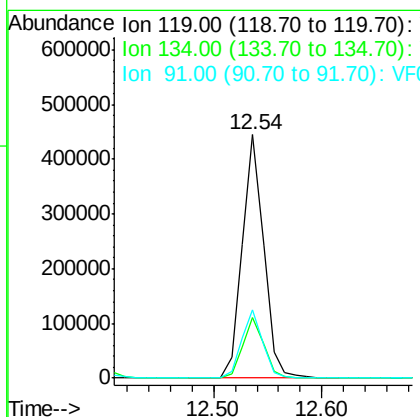
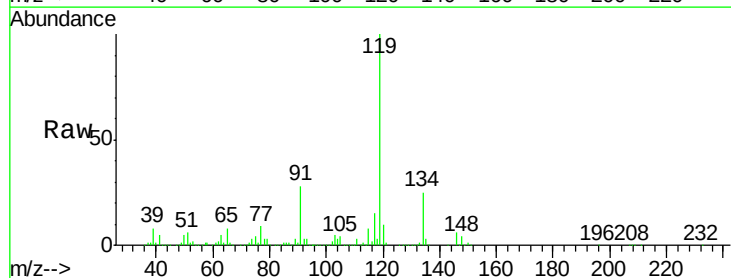
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

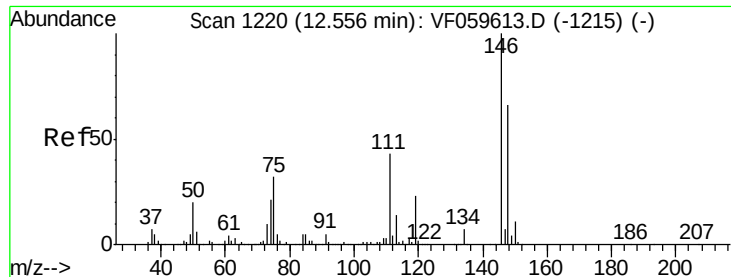
Tot Ion:105 Resp: 680738
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 52.25 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF059613.D
 Acq: 23 Jul 2018 14:19

Tgt Ion:119 Resp: 613747
 Ion Ratio Lower Upper
 119 100
 134 24.8 12.4 37.2
 91 27.8 13.9 41.7

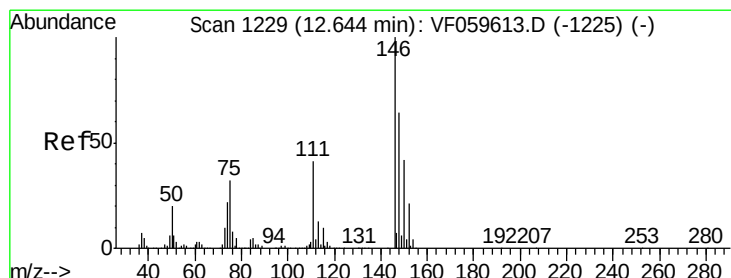
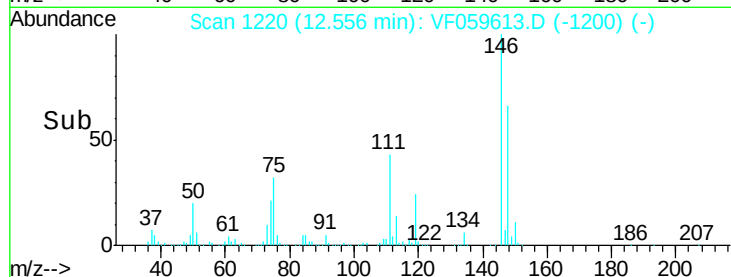
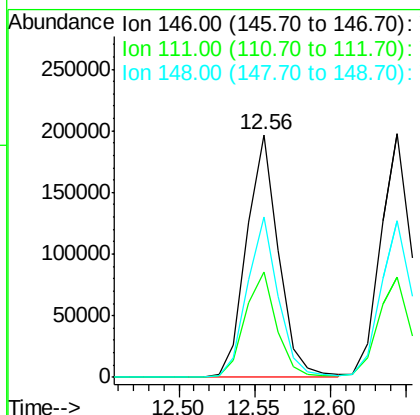
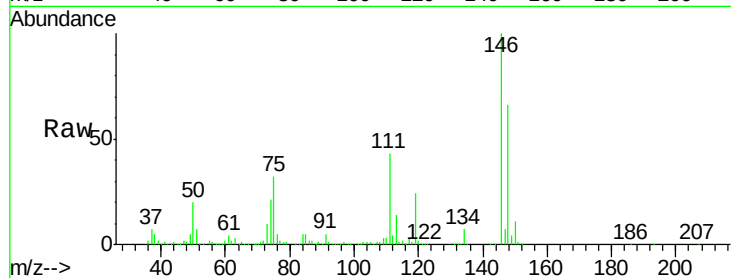




#87
 1,3-Dichlorobenzene
 Concen: 46.60 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059613.D
 Acq: 23 Jul 2018 14:19

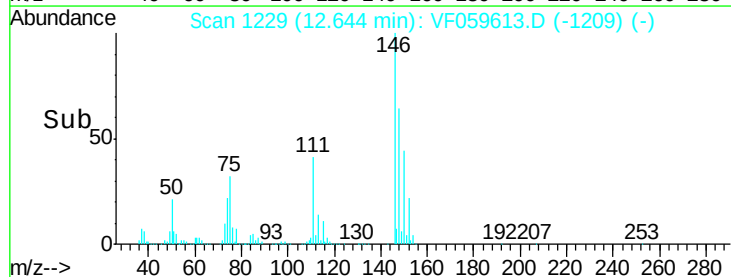
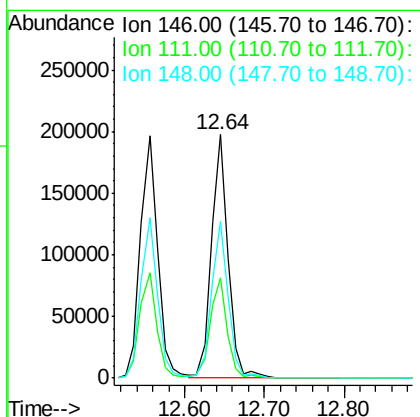
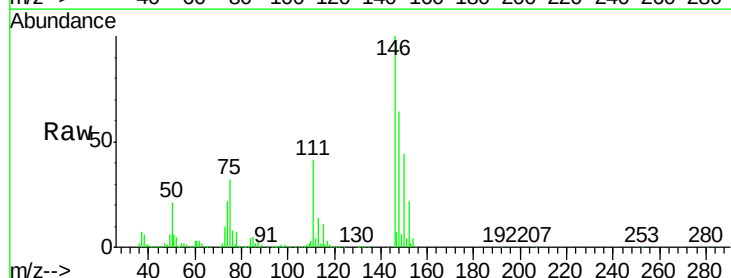
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

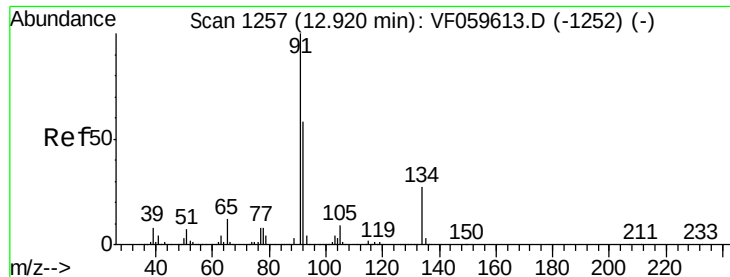
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	64.8
148	66.2	33.1	99.3



#88
 1,4-Dichlorobenzene
 Concen: 47.24 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059613.D
 Acq: 23 Jul 2018 14:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.5	61.5
148	64.5	32.3	96.8





#89

n-Butylbenzene

Concen: 53.44 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

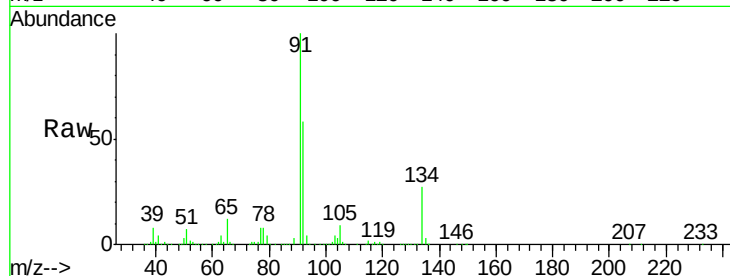
Tot Ion: 91 Resp: 589005

Ion Ratio Lower Upper

91 100

92 57.6 28.8 86.4

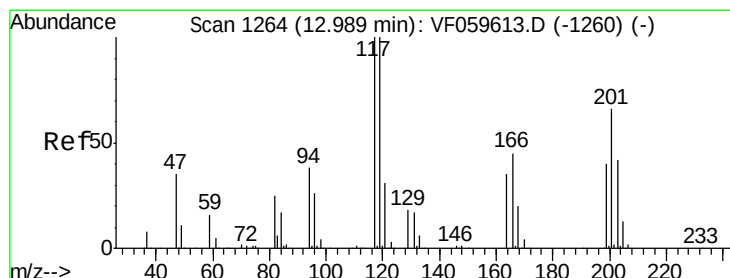
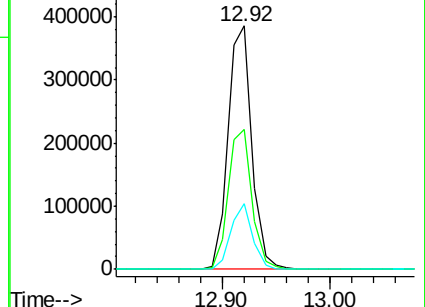
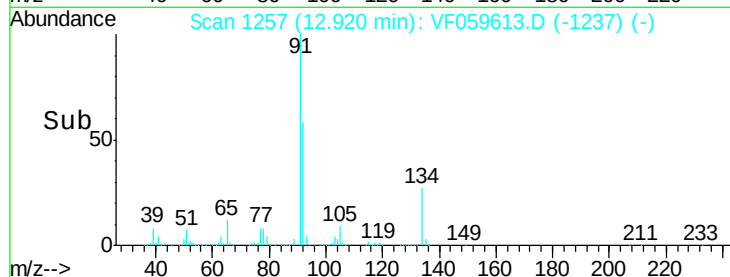
134 26.9 13.5 40.4



Abundance Ion 91.00 (90.70 to 91.70): VF059613.D (-1252) (-)

Ion 92.00 (91.70 to 92.70): VF059613.D (-1252) (-)

Ion 134.00 (133.70 to 134.70): VF059613.D (-1252) (-)



#90

Hexachloroethane

Concen: 55.86 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VF059613.D

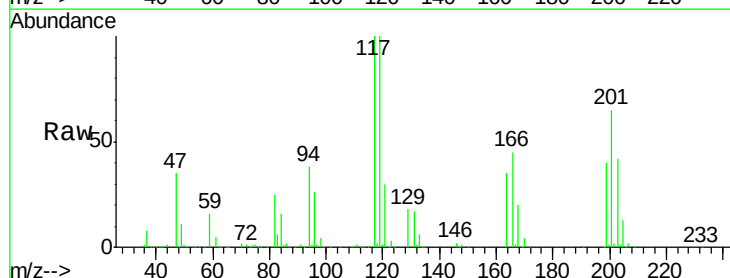
Acq: 23 Jul 2018 14:19

Tgt Ion: 117 Resp: 152551

Ion Ratio Lower Upper

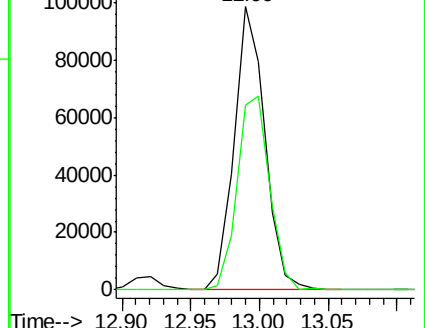
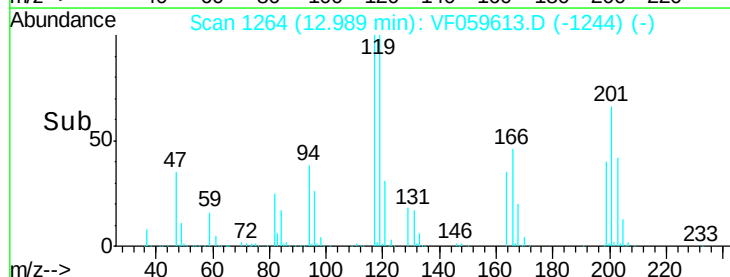
117 100

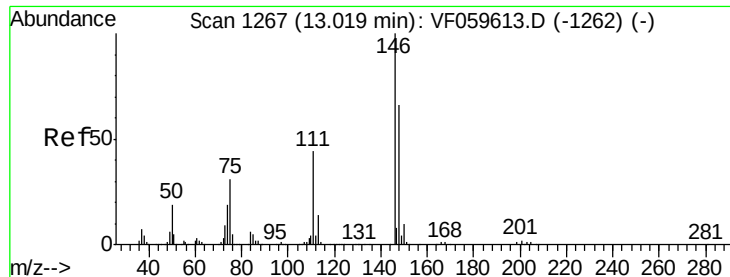
201 67.1 33.6 100.6



Abundance Ion 117.00 (116.70 to 117.70): VF059613.D (-1260) (-)

Ion 201.00 (200.70 to 201.70): VF059613.D (-1260) (-)

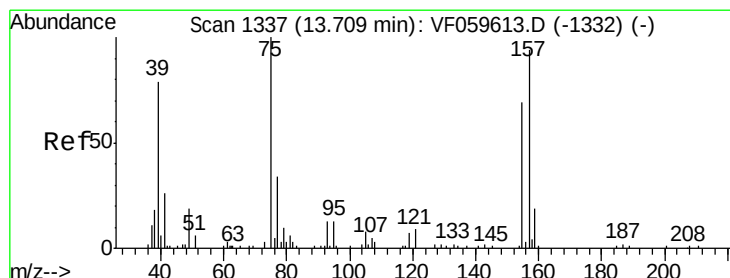
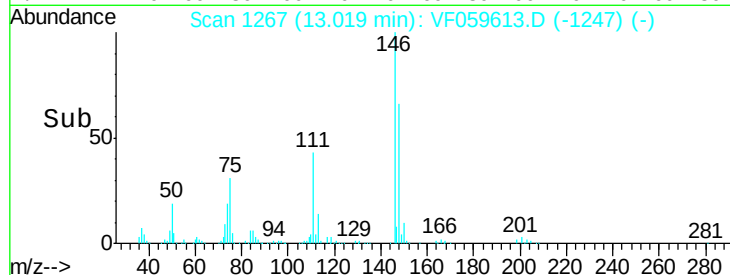
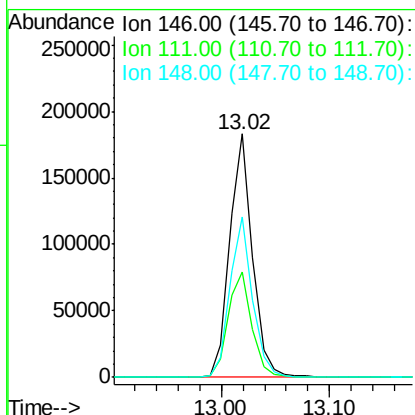
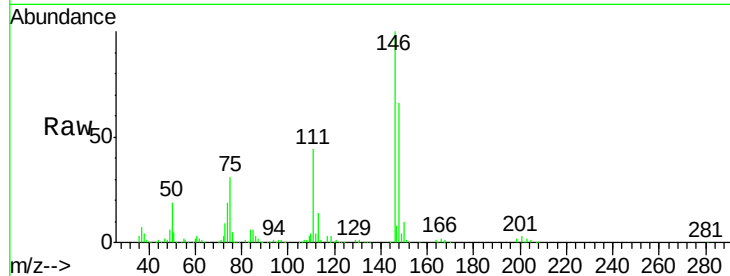




#91
 1,2-Dichlorobenzene
 Concen: 45.33 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VF059613.D
 Acq: 23 Jul 2018 14:19

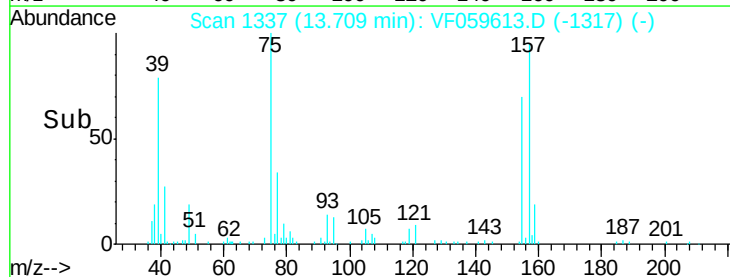
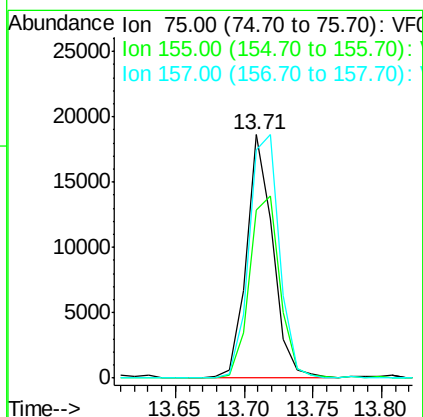
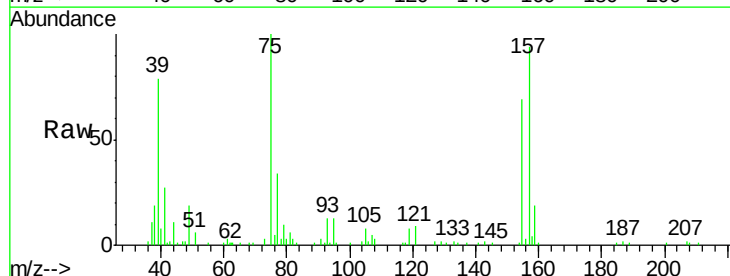
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

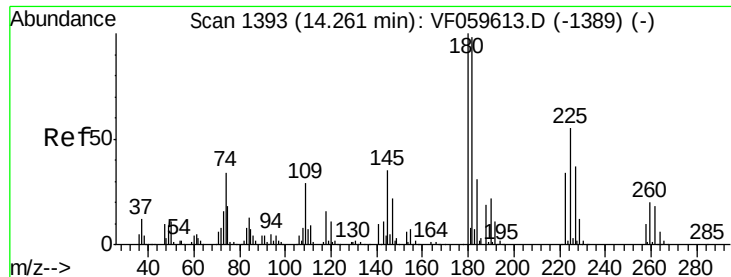
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.8	65.3
148	65.8	32.9	98.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 40.39 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VF059613.D
 Acq: 23 Jul 2018 14:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.2	34.6	103.8
157	94.0	47.0	141.0

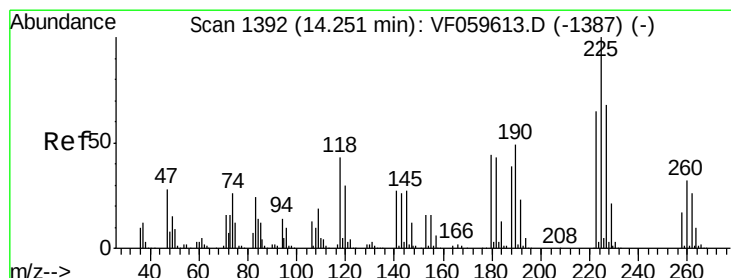
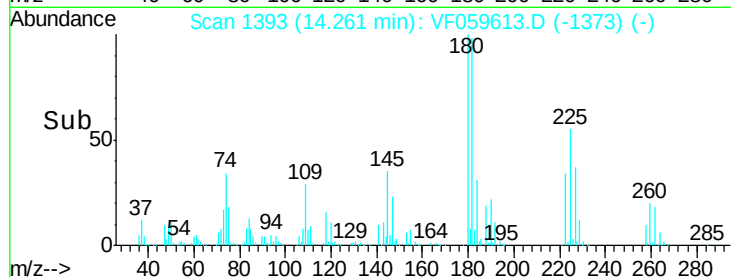
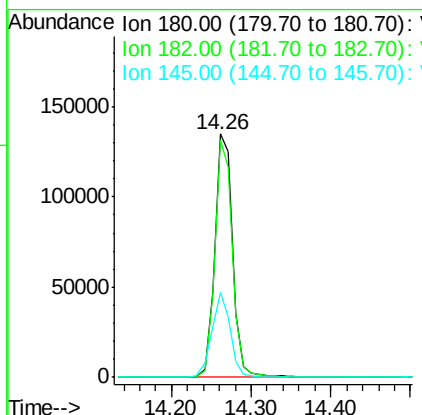
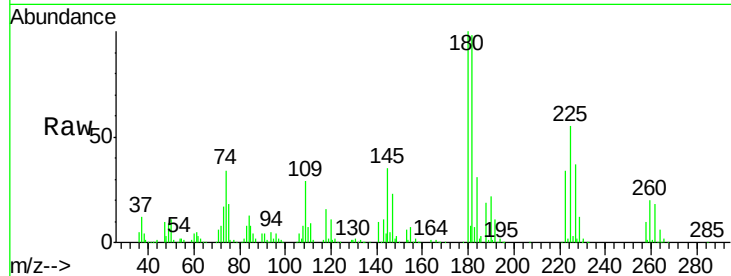




#93
 1,2,4-Trichlorobenzene
 Concen: 56.84 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059613.D
 Acq: 23 Jul 2018 14:19

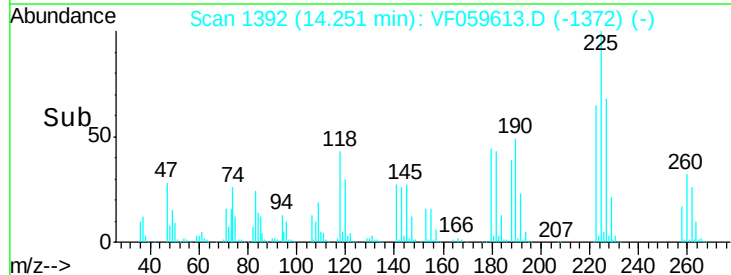
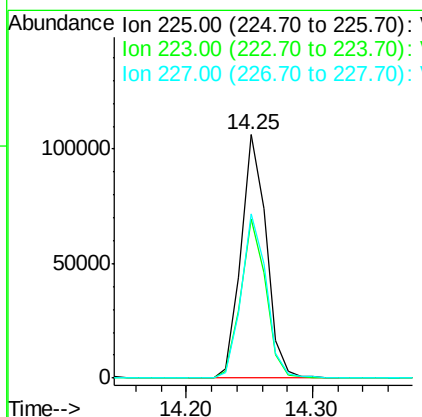
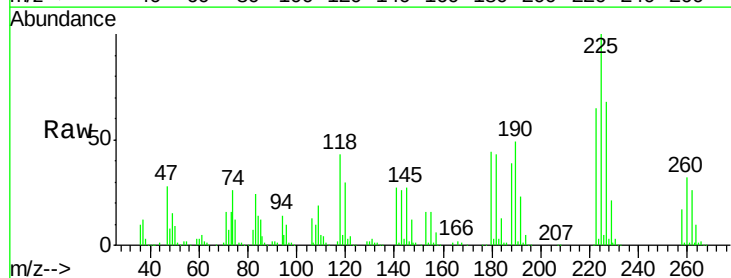
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

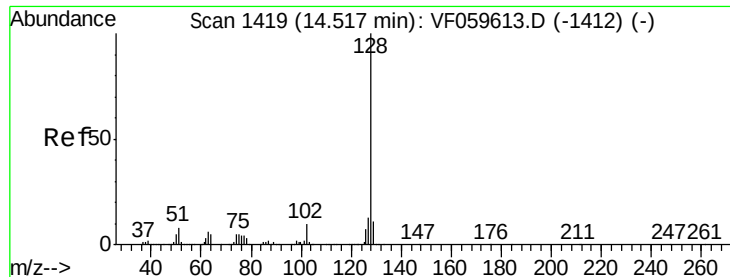
Tot Ion:180 Resp: 213342
 Ion Ratio Lower Upper
 180 100
 182 97.5 48.8 146.3
 145 35.1 17.5 52.6



#94
 Hexachlorobutadiene
 Concen: 71.54 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059613.D
 Acq: 23 Jul 2018 14:19

Tgt Ion:225 Resp: 147532
 Ion Ratio Lower Upper
 225 100
 223 65.3 32.6 98.0
 227 67.7 33.9 101.6





#95

Naphthalene

Concen: 48.59 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

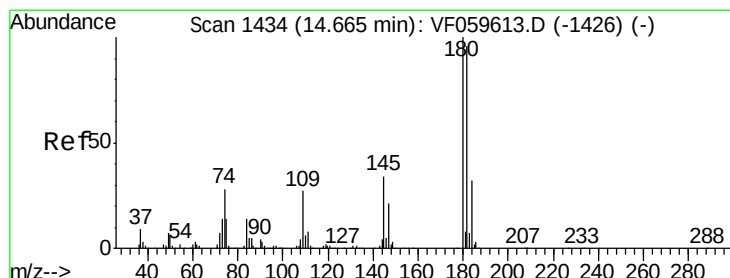
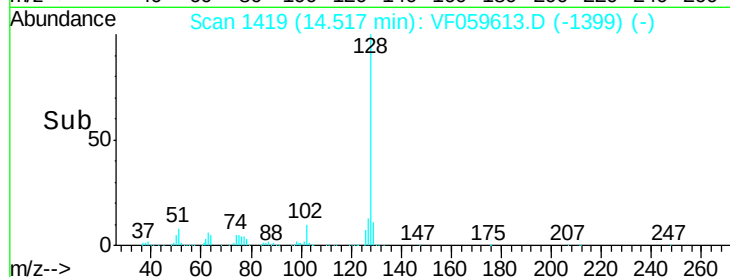
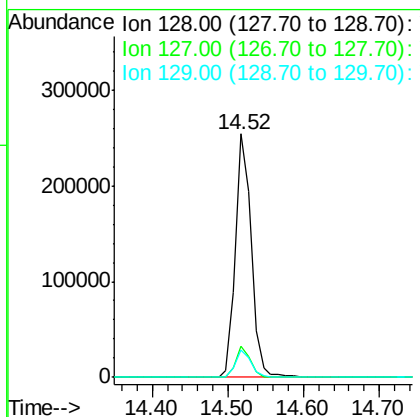
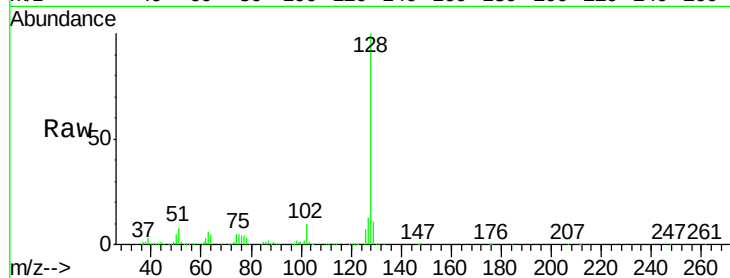
Tot Ion:128 Resp: 364596

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

129 11.4 9.1 13.7



#96

1,2,3-Trichlorobenzene

Concen: 57.97 ug/l

RT: 14.67 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VF059613.D

Acq: 23 Jul 2018 14:19

Tgt Ion:180 Resp: 198763

Ion Ratio Lower Upper

180 100

182 96.1 48.0 144.2

145 34.1 17.1 51.2

