

Data Path : Z:\voasrv\HPCHEM1\MSVOA F\Data\VF072318\
 Data File : VF059610.D
 Acq On : 23 Jul 2018 12:55
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 81 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Quant Time: Jul 23 14:42:11 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	249590	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	339601	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	334721	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	223143	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	21499	5.48	ug/l	0.00
Spiked Amount			Recovery	=	10.96%	
35) Dibromofluoromethane	4.29	113	15653	5.25	ug/l	0.00
Spiked Amount			Recovery	=	10.50%	
50) Toluene-d8	7.70	98	37509	5.00	ug/l	0.00
Spiked Amount			Recovery	=	10.00%	
62) 4-Bromofluorobenzene	11.51	95	21866	5.46	ug/l	0.00
Spiked Amount			Recovery	=	10.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	17996	5.78	ug/l	77
3) Chloromethane	1.08	50	7621	4.59	ug/l	95
4) Vinyl Chloride	1.14	62	9345	5.51	ug/l #	82
5) Bromomethane	1.34	94	8400	6.84	ug/l	98
6) Chloroethane	1.43	64	5844	6.61	ug/l	95
7) Trichlorofluoromethane	1.49	101	9068	2.31	ug/l	97
8) Diethyl Ether	1.69	74	2957	3.81	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.90	101	13129	7.10	ug/l	92
10) Methyl Iodide	1.96	142	19738	6.16	ug/l #	78
11) Tert butyl alcohol	2.69	59	5198	29.94	ug/l #	94
12) 1,1-Dichloroethene	1.85	96	9953	5.30	ug/l	86
13) Acrolein	2.08	56	2444	26.13	ug/l	97
14) Allyl chloride	2.19	41	19372	7.82	ug/l #	89
15) Acrylonitrile	3.06	53	6746	21.69	ug/l #	72
16) Acetone	2.33	43	21813	33.89	ug/l	99
17) Carbon Disulfide	1.86	76	25024	5.84	ug/l #	92
18) Methyl Acetate	2.52	43	11353	8.79	ug/l	96
19) Methyl tert-butyl Ether	2.53	73	30550	5.41	ug/l #	92
20) Methylene Chloride	2.27	84	8983	4.19	ug/l	90
21) trans-1,2-Dichloroethene	2.40	96	10539	6.07	ug/l	85
22) Diisopropyl ether	2.92	45	31707	4.95	ug/l #	95
23) Vinyl Acetate	3.33	43	76874	20.85	ug/l #	91
24) 1,1-Dichloroethane	2.99	63	23102	5.69	ug/l	97
25) 2-Butanone	4.50	43	21868	25.42	ug/l	97
26) 2,2-Dichloropropane	3.76	77	19642	6.98	ug/l	99
27) cis-1,2-Dichloroethene	3.63	96	10544	5.24	ug/l	94
28) Bromochloromethane	3.88	49	9189	5.37	ug/l	91
29) Tetrahydrofuran	4.25	42	8962	23.10	ug/l #	92
30) Chloroform	4.04	83	30967	5.32	ug/l	97
31) Cyclohexane	3.86	56	12471	5.81	ug/l	99
32) 1,1,1-Trichloroethane	4.27	97	27934	6.96	ug/l	89
36) 1,1-Dichloropropene	4.45	75	17659	5.18	ug/l #	86
37) Ethyl Acetate	4.29	43	7506	3.82	ug/l #	71
38) Carbon Tetrachloride	4.16	117	28196	6.65	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA F\Data\VF072318\
 Data File : VF059610.D
 Acq On : 23 Jul 2018 12:55
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 81 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Quant Time: Jul 23 14:42:11 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	5.63	83	14385	5.47	ug/l	92
40) Benzene	4.80	78	34464	5.27	ug/l	93
41) Methacrylonitrile	4.91	41	4013	4.16	ug/l #	68
42) 1,2-Dichloroethane	5.11	62	23903	5.53	ug/l	98
43) Isopropyl Acetate	7.10	43	9701	4.13	ug/l #	96
44) Trichloroethene	5.67	130	13189	5.37	ug/l	90
45) 1,2-Dichloropropane	6.40	63	8874	4.90	ug/l	95
46) Dibromomethane	6.25	93	7130	4.34	ug/l	84
47) Bromodichloromethane	6.54	83	22759	5.27	ug/l #	95
48) Methyl methacrylate	6.88	41	7316	4.38	ug/l #	90
49) 1,4-Dioxane	6.86	88	1403	182.02	ug/l #	74
51) 4-Methyl-2-Pentanone	8.40	43	38756	23.52	ug/l	93
52) Toluene	7.78	92	27303	5.70	ug/l	91
53) t-1,3-Dichloropropene	8.42	75	19240	4.92	ug/l	95
54) cis-1,3-Dichloropropene	7.45	75	19062	4.90	ug/l	92
55) 1,1,2-Trichloroethane	8.63	97	9222	5.07	ug/l #	85
56) Ethyl methacrylate	8.75	69	10032	4.51	ug/l #	75
57) 1,3-Dichloropropane	9.00	76	16106	5.00	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.77	63	5536	27.05	ug/l	100
59) 2-Hexanone	9.63	43	32021	25.45	ug/l	93
60) Dibromochloromethane	8.86	129	15398	4.96	ug/l	91
61) 1,2-Dibromoethane	9.13	107	9262	4.09	ug/l #	79
64) Tetrachloroethene	8.30	164	13879	5.57	ug/l	92
65) Chlorobenzene	9.93	112	34753	5.51	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.06	131	15807	5.50	ug/l	89
67) Ethyl Benzene	10.03	91	62925	5.62	ug/l	100
68) m/p-Xylenes	10.26	106	40085	10.20	ug/l	88
69) o-Xylene	10.83	106	21425	5.07	ug/l	77
70) Styrene	10.90	104	31820	4.91	ug/l	98
71) Bromoform	10.88	173	10378	5.33	ug/l	76
73) Isopropylbenzene	11.23	105	68549	4.88	ug/l	98
74) N-amyl acetate	11.46	43	15147	3.51	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	11.79	83	13315	4.50	ug/l	94
76) 1,2,3-Trichloropropane	11.89	75	11490	4.74	ug/l	88
77) Bromobenzene	11.59	156	19501	5.01	ug/l	93
78) n-propylbenzene	11.68	91	88355	5.44	ug/l	92
79) 2-Chlorotoluene	11.81	91	52783	5.30	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	64104	5.40	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.95	75	6106	5.28	ug/l #	91
82) 4-Chlorotoluene	11.98	91	59331	5.36	ug/l	95
83) tert-Butylbenzene	12.21	119	63534	5.56	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	66647	5.44	ug/l	98
85) sec-Butylbenzene	12.39	105	82927	5.68	ug/l	96
86) p-Isopropyltoluene	12.54	119	68173	5.33	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	36615	5.42	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	35801	5.35	ug/l	96
89) n-Butylbenzene	12.92	91	64858	5.41	ug/l	96
90) Hexachloroethane	12.99	117	19138	6.44	ug/l	89
91) 1,2-Dichlorobenzene	13.02	146	35705	5.54	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.71	75	3513	5.21	ug/l	87

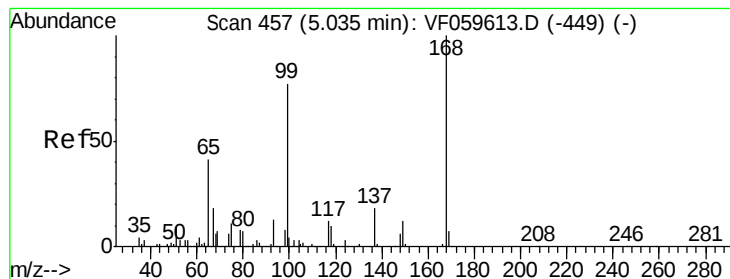
Data Path : Z:\voasrv\HPCHEM1\MSVOA F\Data\VF072318\
Data File : VF059610.D
Acq On : 23 Jul 2018 12:55
Operator : VA/AP
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 81 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC005

Quant Time: Jul 23 14:42:11 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	25328	6.20	ug/l	95
94) Hexachlorobutadiene	14.25	225	17056	7.60	ug/l	96
95) Naphthalene	14.52	128	40791	5.00	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	21749	5.83	ug/l	96

(#) = 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: VF059610.D

Acq: 23 Jul 2018 12:55

Instrument :

MSVOA_F

ClientSampleId :

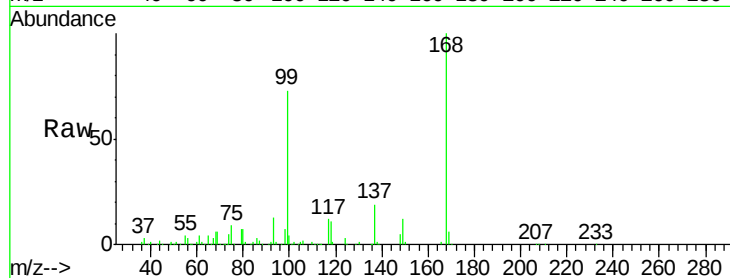
VSTDIC005

Tot Ion:168 Resp: 249590

Ion Ratio Lower Upper

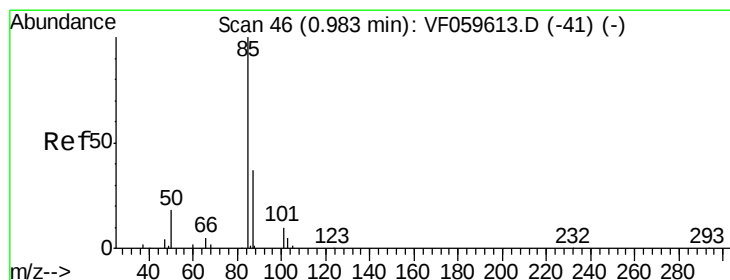
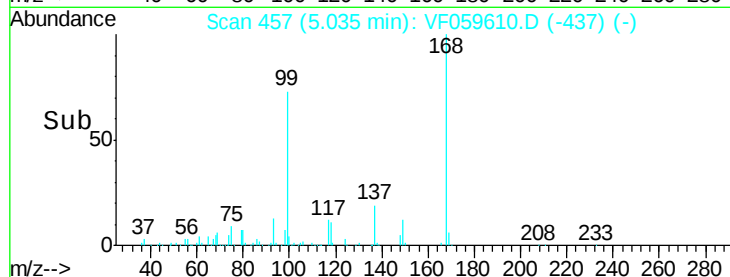
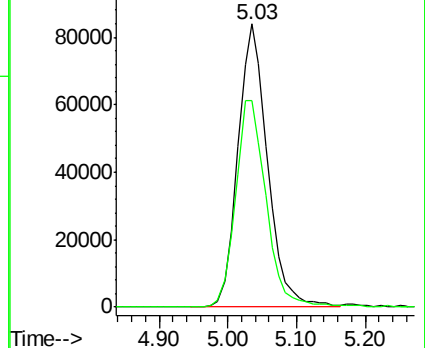
168 100

99 73.1 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: 5.78 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059610.D

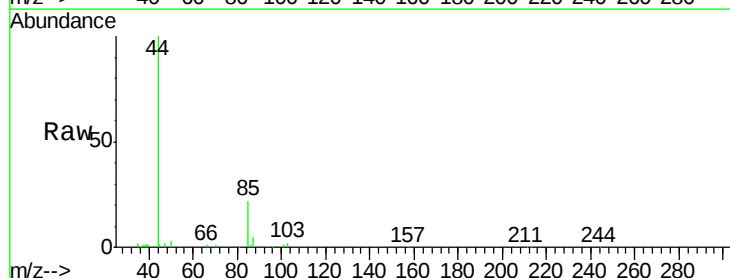
Acq: 23 Jul 2018 12:55

Tgt Ion: 85 Resp: 17996

Ion Ratio Lower Upper

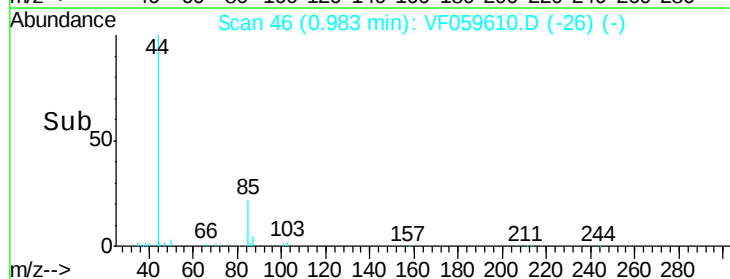
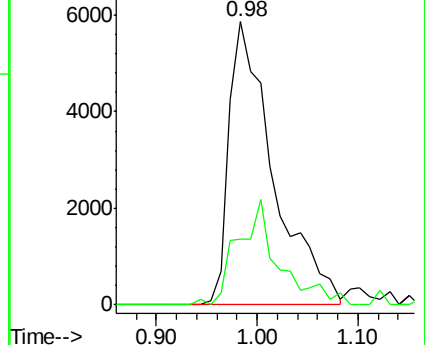
85 100

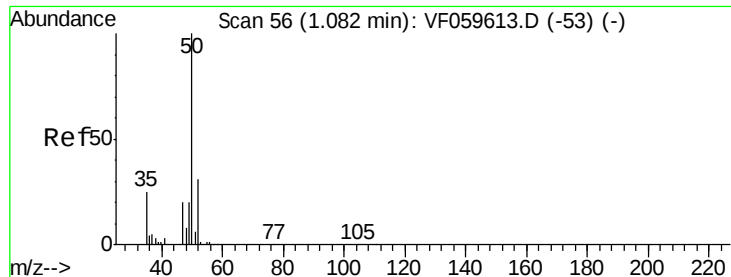
87 23.2 18.3 54.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 4.59 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059610.D

Acq: 23 Jul 2018 12:55

Instrument :

MSVOA_F

ClientSampleId :

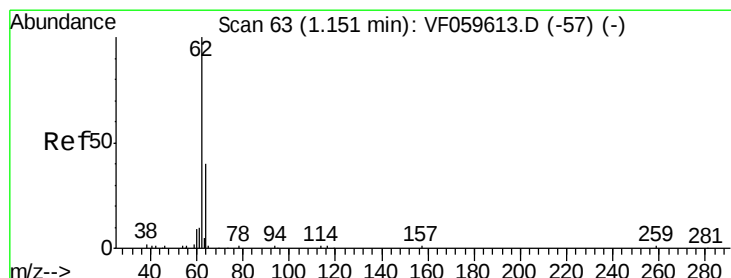
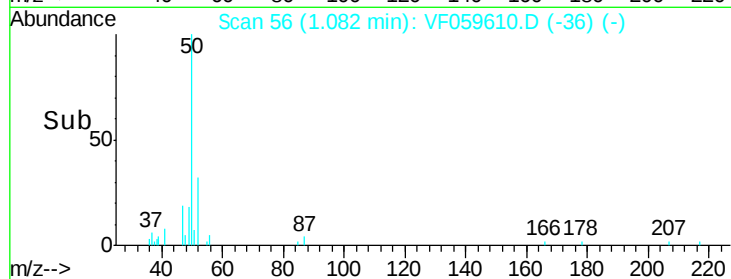
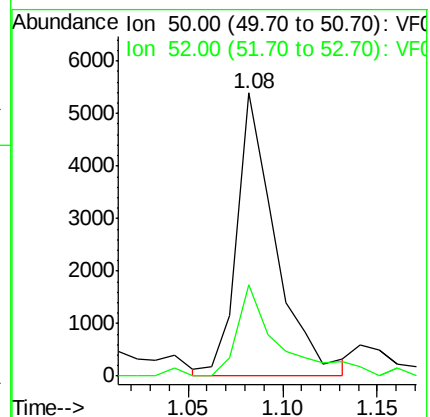
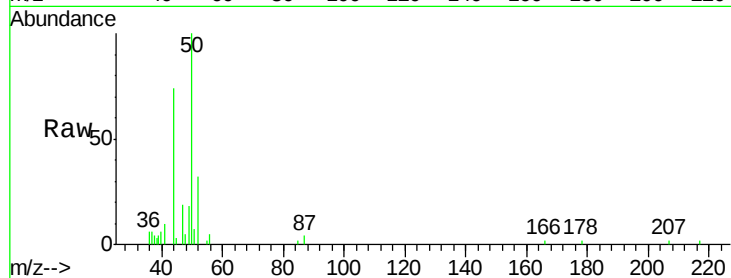
VSTDIC005

Tot Ion: 50 Resp: 7621

Ion Ratio Lower Upper

50 100

52 32.2 23.7 35.5



#4

Vinyl Chloride

Concen: 5.51 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF059610.D

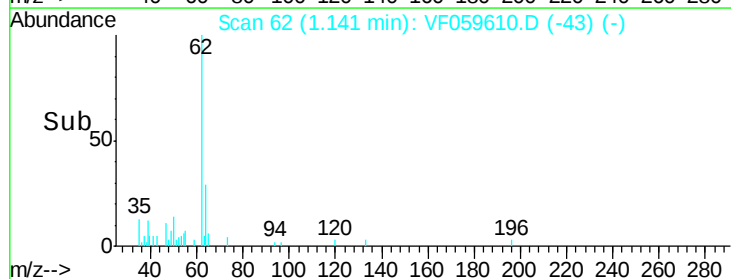
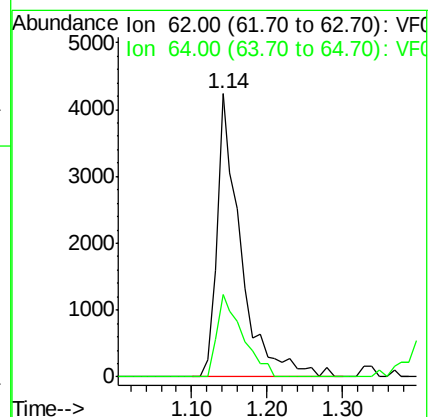
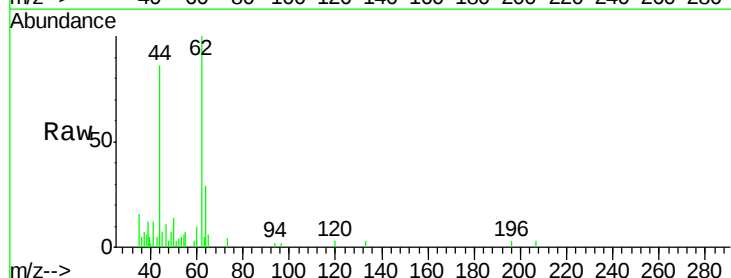
Acq: 23 Jul 2018 12:55

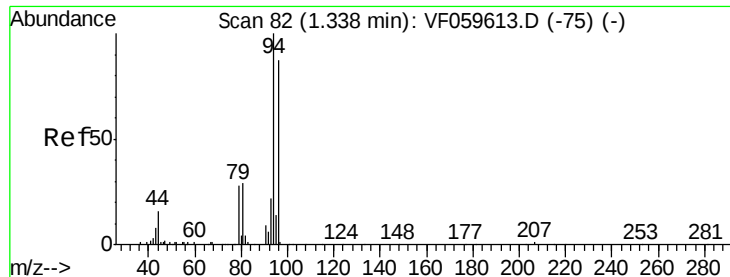
Tgt Ion: 62 Resp: 9345

Ion Ratio Lower Upper

62 100

64 29.3 32.2 48.4#





#5

Bromomethane

Concen: 6.84 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059610.D

Acq: 23 Jul 2018 12:55

Instrument :

MSVOA_F

ClientSampleId :

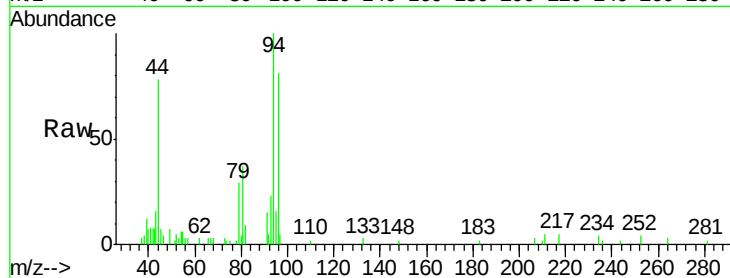
VSTDIC005

Tot Ion: 94 Resp: 8400

Ion Ratio Lower Upper

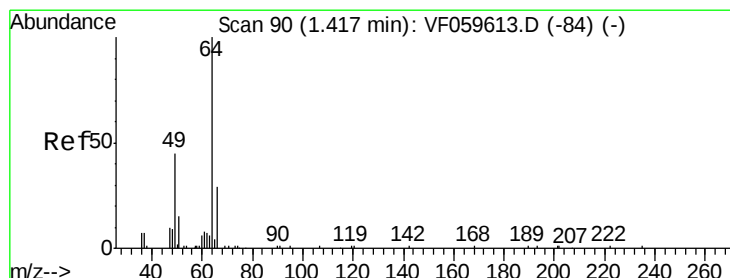
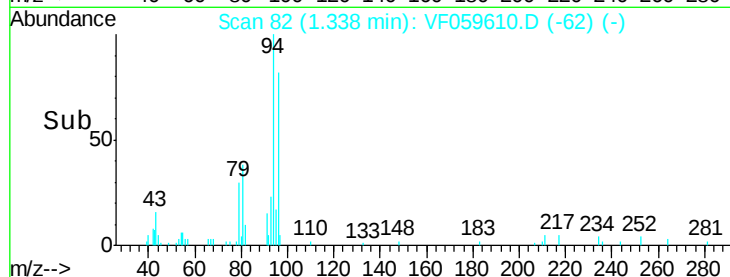
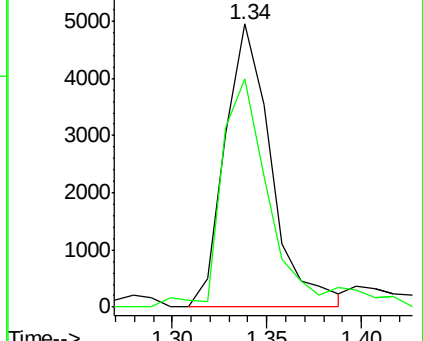
94 100

96 85.8 69.8 104.8



Abundance Ion 94.00 (93.70 to 94.70): VF059610.D (-62) (-)

Ion 96.00 (95.70 to 96.70): VF059610.D (-62) (-)



#6

Chloroethane

Concen: 6.61 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.01 min

Lab File: VF059610.D

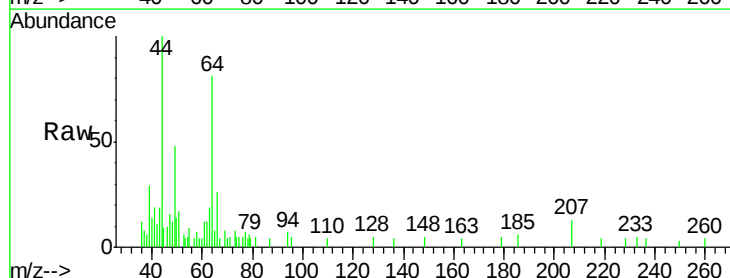
Acq: 23 Jul 2018 12:55

Tgt Ion: 64 Resp: 5844

Ion Ratio Lower Upper

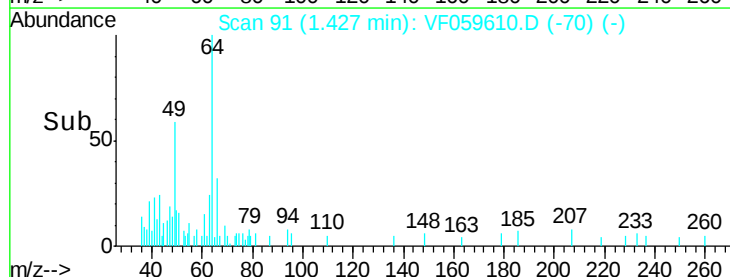
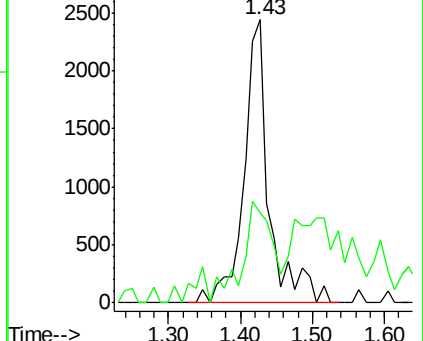
64 100

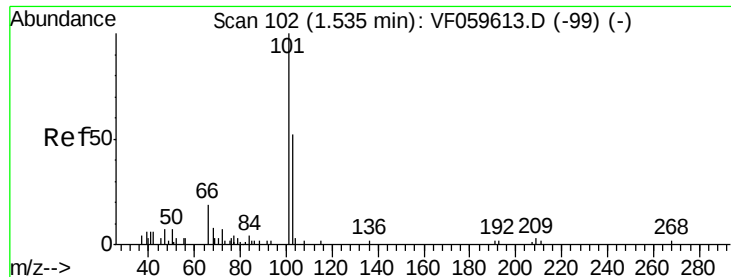
66 32.1 23.7 35.5



Abundance Ion 64.00 (63.70 to 64.70): VF059610.D (-70) (-)

Ion 66.00 (65.70 to 66.70): VF059610.D (-70) (-)





#7

Trichlorofluoromethane

Concen: 2.31 ug/l

RT: 1.49 min Scan# 97

Delta R.T. -0.05 min

Lab File: VF059610.D

Acq: 23 Jul 2018 12:55

Instrument :

MSVOA_F

ClientSampleId :

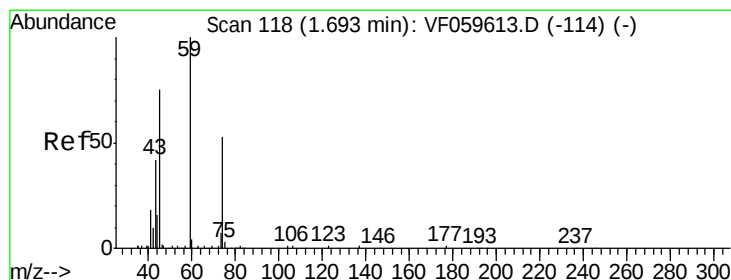
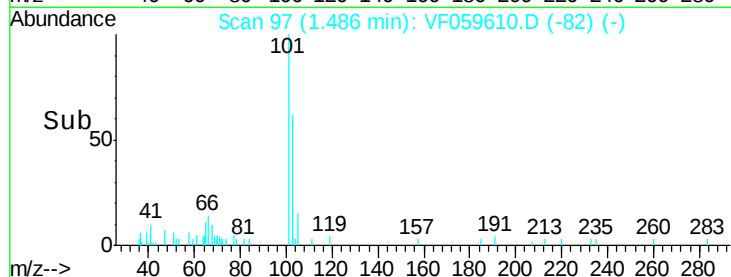
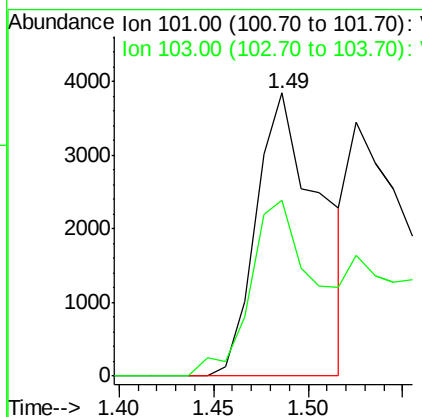
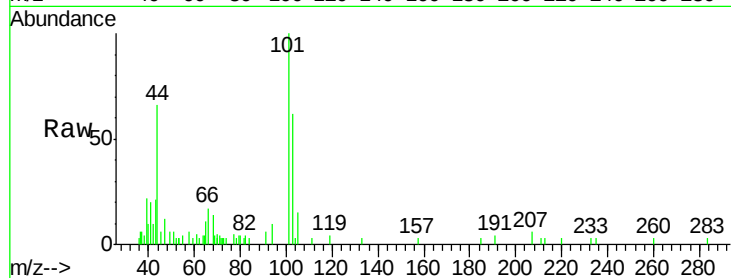
VSTDIC005

Tot Ion:101 Resp: 9068

Ion Ratio Lower Upper

101 100

103 62.2 48.2 72.4



#8

Diethyl Ether

Concen: 3.81 ug/l

RT: 1.69 min Scan# 118

Delta R.T. 0.00 min

Lab File: VF059610.D

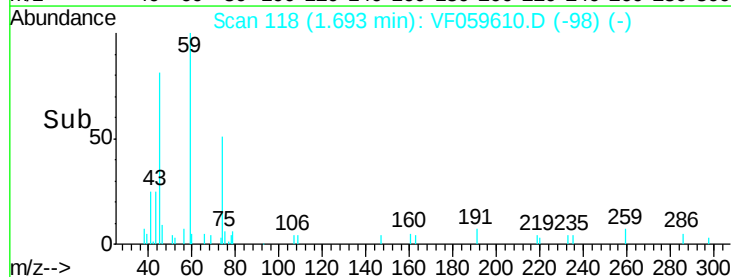
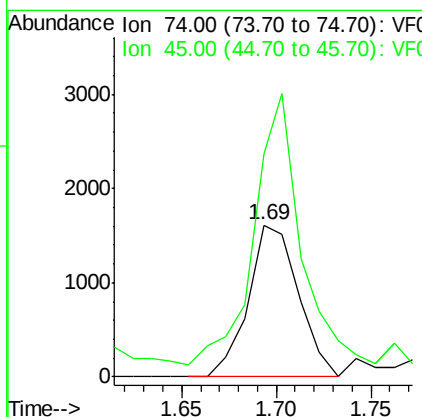
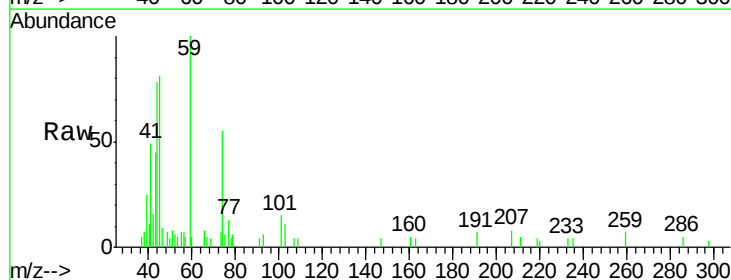
Acq: 23 Jul 2018 12:55

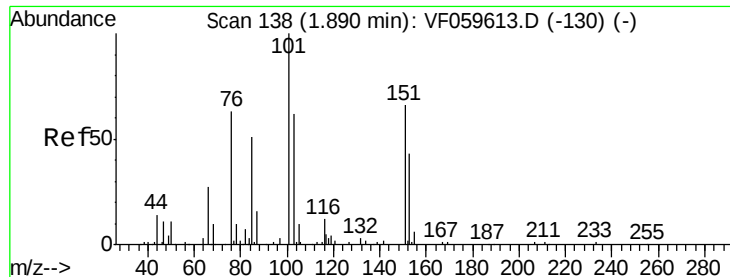
Tgt Ion: 74 Resp: 2957

Ion Ratio Lower Upper

74 100

45 147.5 72.0 215.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 7.10 ug/l

RT: 1.90 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF059610.D

Acq: 23 Jul 2018 12:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

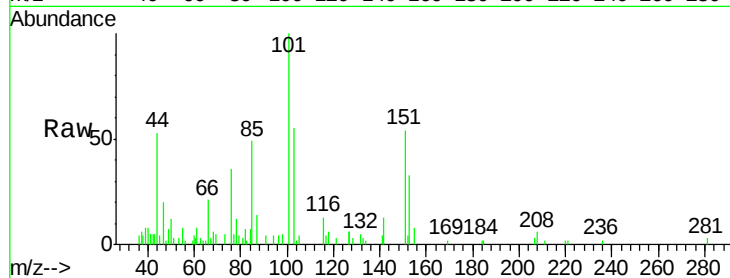
Tot Ion:101 Resp: 13129

Ion Ratio Lower Upper

101 100

85 48.6 40.2 60.2

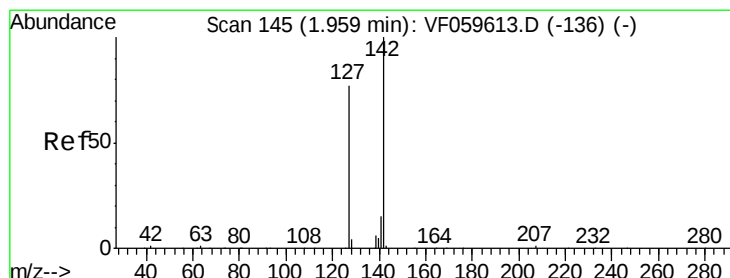
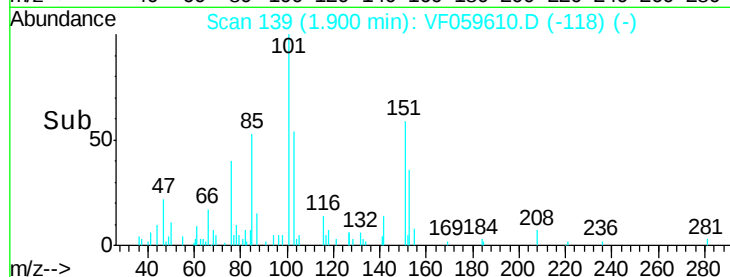
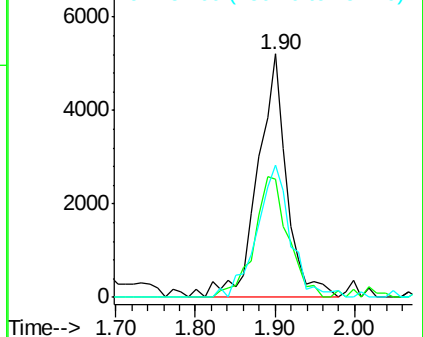
151 54.4 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70):

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70):



#10

Methyl Iodide

Concen: 6.16 ug/l

RT: 1.96 min Scan# 145

Delta R.T. 0.00 min

Lab File: VF059610.D

Acq: 23 Jul 2018 12:55

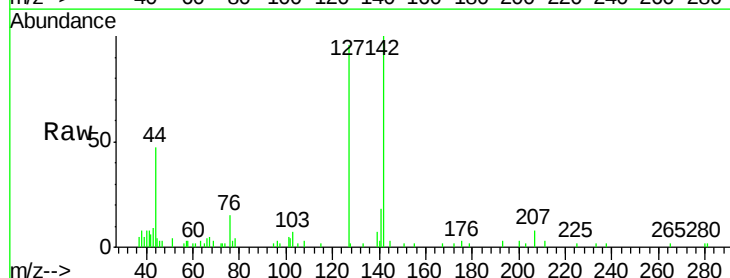
Tgt Ion:142 Resp: 19738

Ion Ratio Lower Upper

142 100

127 98.1 61.2 91.8#

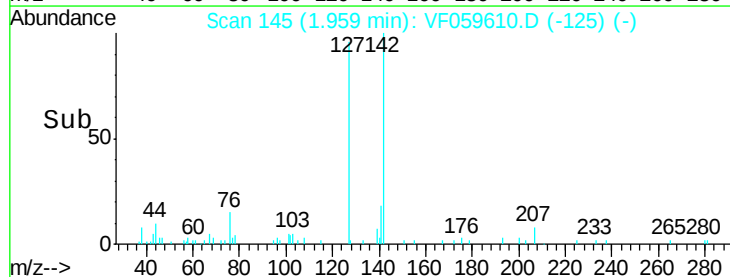
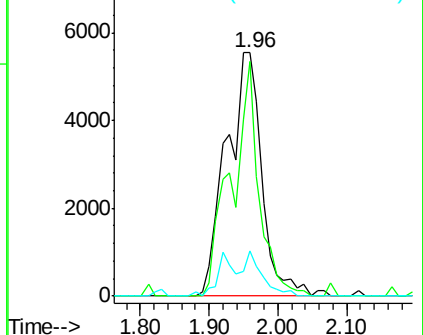
141 18.5 12.0 18.0#

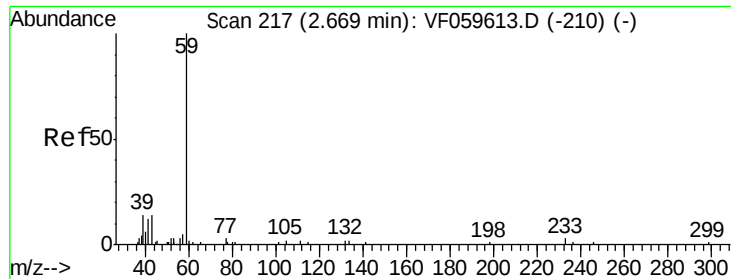


Abundance Ion 142.00 (141.70 to 142.70):

Ion 127.00 (126.70 to 127.70):

Ion 141.00 (140.70 to 141.70):



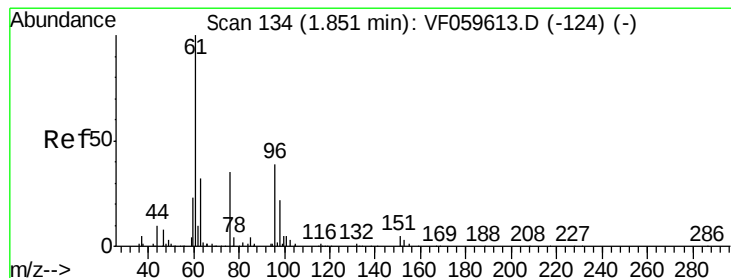
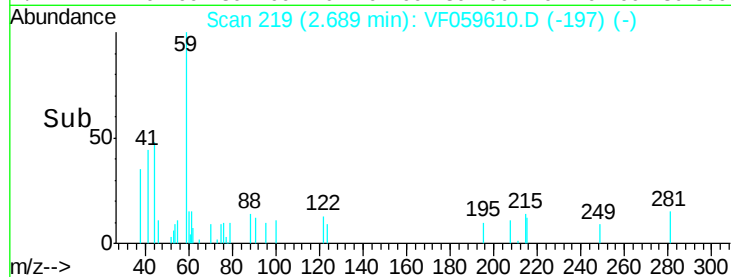
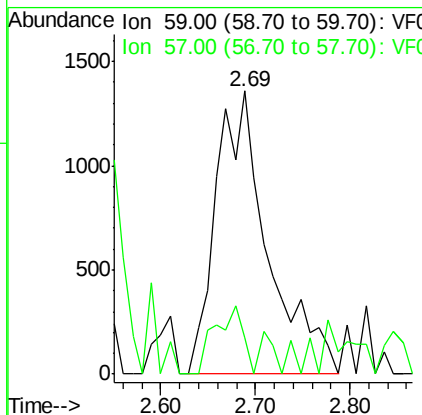
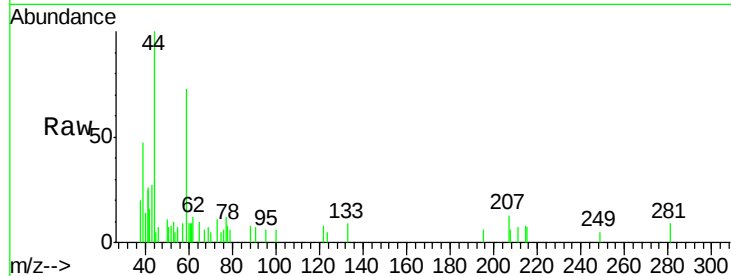


#11

Tert butyl alcohol
 Concen: 29.94 ug/l
 RT: 2.69 min Scan# 219
 Delta R.T. 0.02 min
 Lab File: VF059610.D
 Acq: 23 Jul 2018 12:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

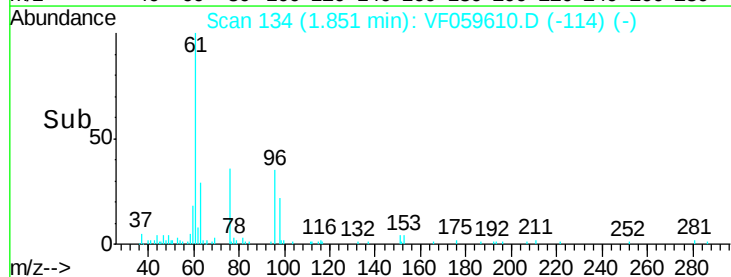
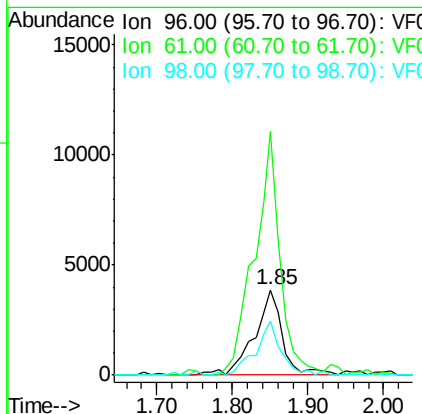
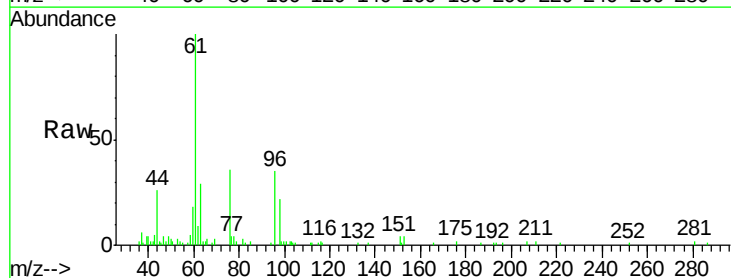
Tot Ion: 59 Resp: 5198
 Ion Ratio Lower Upper
 59 100
 57 12.9 8.6 12.8#

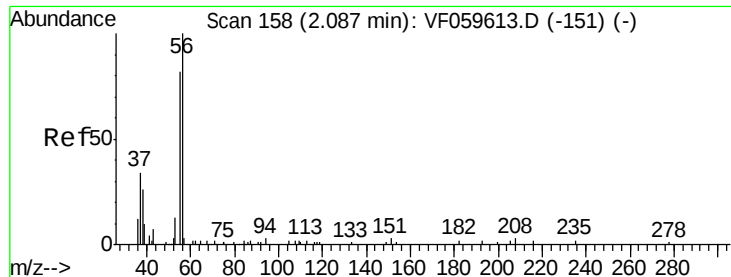


#12

1,1-Dichloroethene
 Concen: 5.30 ug/l
 RT: 1.85 min Scan# 134
 Delta R.T. 0.00 min
 Lab File: VF059610.D
 Acq: 23 Jul 2018 12:55

Tgt Ion: 96 Resp: 9953
 Ion Ratio Lower Upper
 96 100
 61 286.4 207.2 310.8
 98 63.8 45.5 68.3





#13

Acrolein

Concen: 26.13 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF059610.D

Acq: 23 Jul 2018 12:55

Instrument :

MSVOA_F

ClientSampleId :

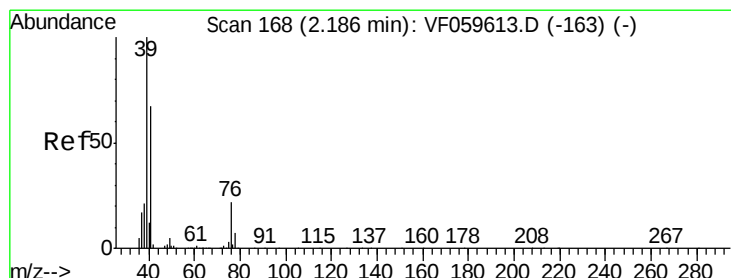
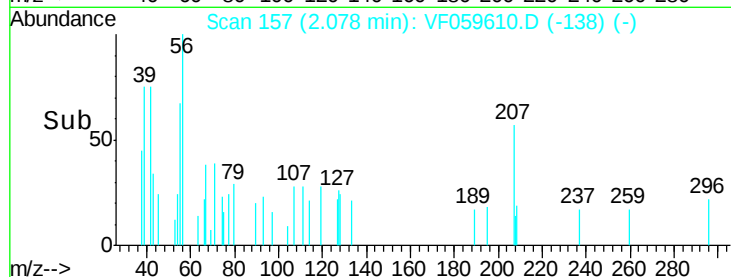
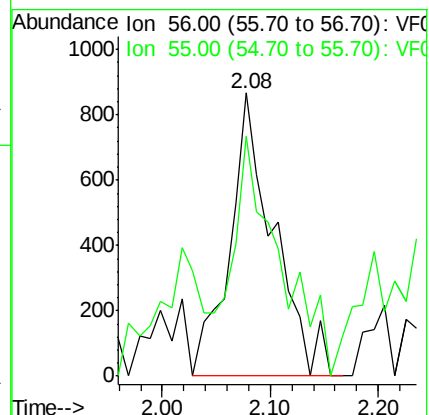
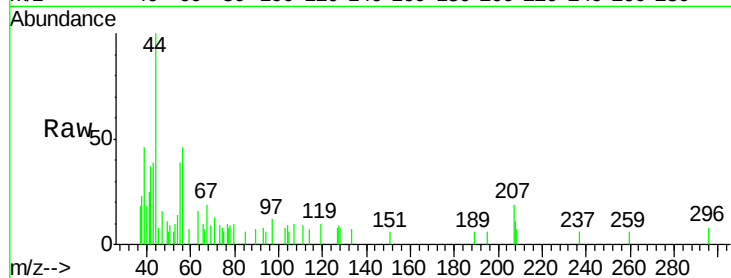
VSTDIC005

Tot Ion: 56 Resp: 2444

Ion Ratio Lower Upper

56 100

55 84.5 65.6 98.4



#14

Allyl chloride

Concen: 7.82 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059610.D

Acq: 23 Jul 2018 12:55

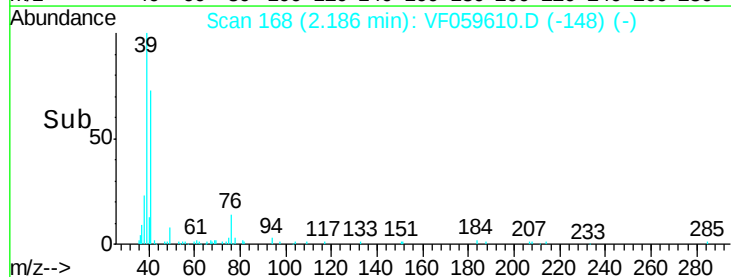
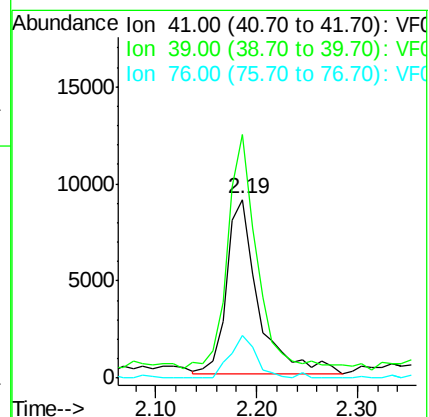
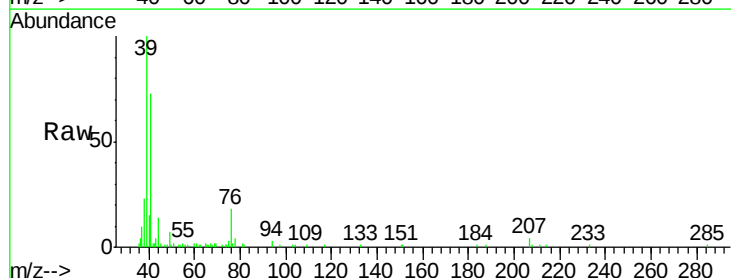
Tgt Ion: 41 Resp: 19372

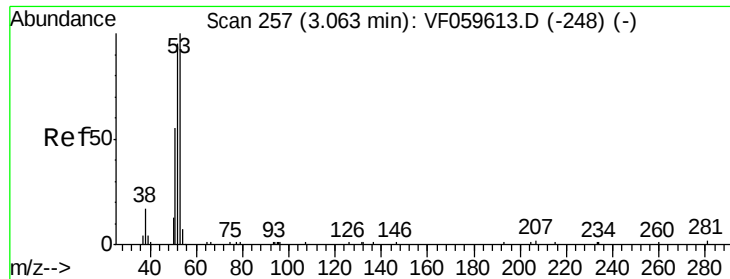
Ion Ratio Lower Upper

41 100

39 136.5 119.0 178.4

76 24.1 26.3 39.5#





#15

Acrylonitrile

Concen: 21.69 ug/l

RT: 3.06 min Scan# 257

Delta R.T. 0.00 min

Lab File: VF059610.D

Acq: 23 Jul 2018 12:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

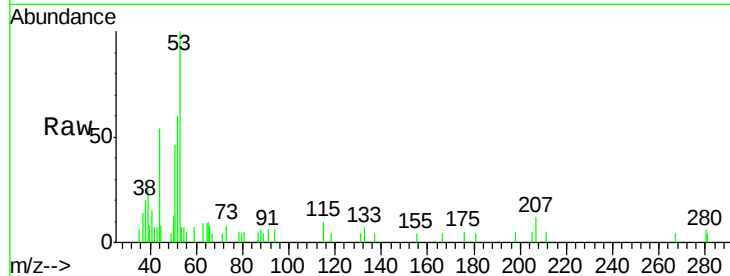
Tot Ion: 53 Resp: 6746

Ion Ratio Lower Upper

53 100

52 60.2 76.2 114.2#

51 46.2 45.8 68.8



Abundance Ion 53.00 (52.70 to 53.70): VF059610.D (-237) (-)

Ion 52.00 (51.70 to 52.70): VF059610.D (-237) (-)

Ion 51.00 (50.70 to 51.70): VF059610.D (-237) (-)

3000

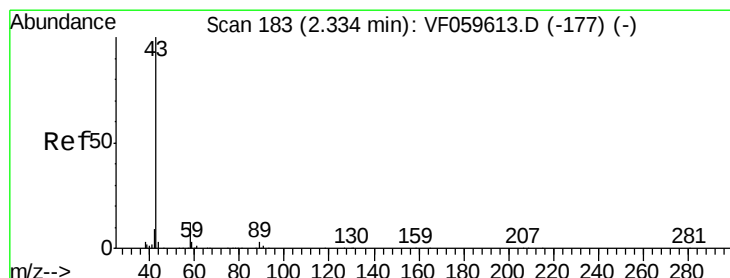
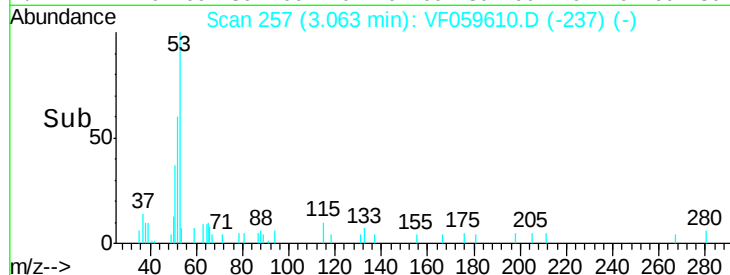
2000

1000

0

Time--> 2.95 3.00 3.05 3.10 3.15

3.06



#16

Acetone

Concen: 33.89 ug/l

RT: 2.33 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF059610.D

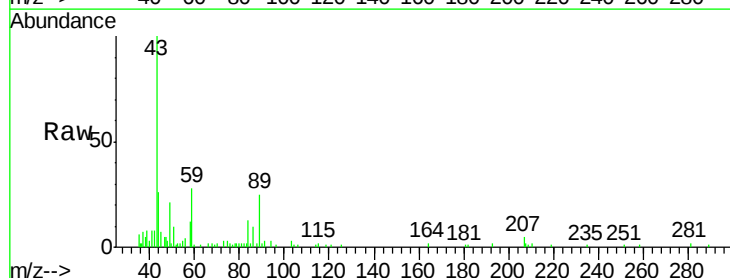
Acq: 23 Jul 2018 12:55

Tgt Ion: 43 Resp: 21813

Ion Ratio Lower Upper

43 100

58 12.0 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VF059610.D (-163) (-)

Ion 58.00 (57.70 to 58.70): VF059610.D (-163) (-)

10000

8000

6000

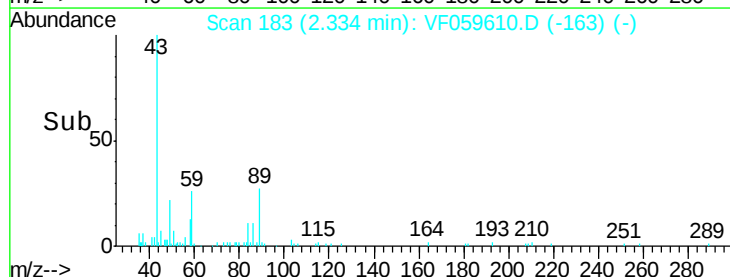
4000

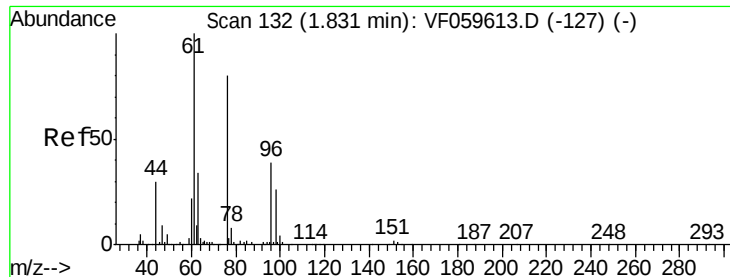
2000

0

Time--> 2.25 2.30 2.35 2.40

2.33





#17

Carbon Disulfide

Concen: 5.84 ug/l

RT: 1.86 min Scan# 135

Delta R.T. 0.03 min

Lab File: VF059610.D

Acq: 23 Jul 2018 12:55

Instrument :

MSVOA_F

ClientSampleId :

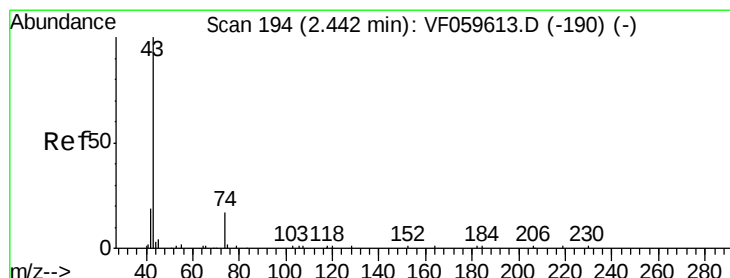
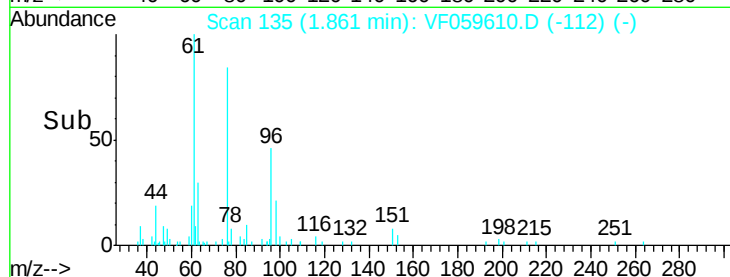
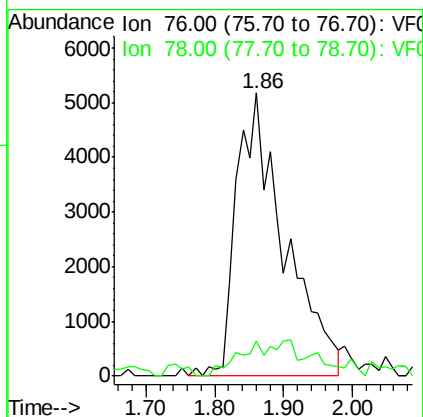
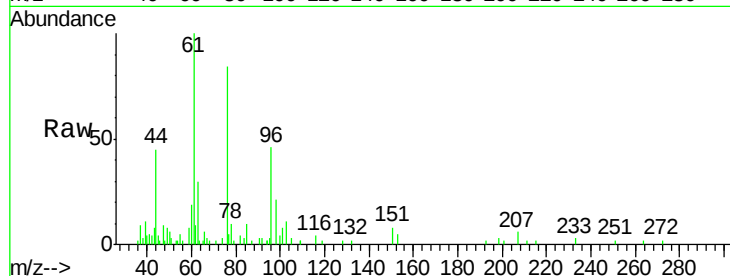
VSTDIC005

Tot Ion: 76 Resp: 25024

Ion Ratio Lower Upper

76 100

78 12.5 7.7 11.5#



#18

Methyl Acetate

Concen: 8.79 ug/l

RT: 2.52 min Scan# 202

Delta R.T. 0.08 min

Lab File: VF059610.D

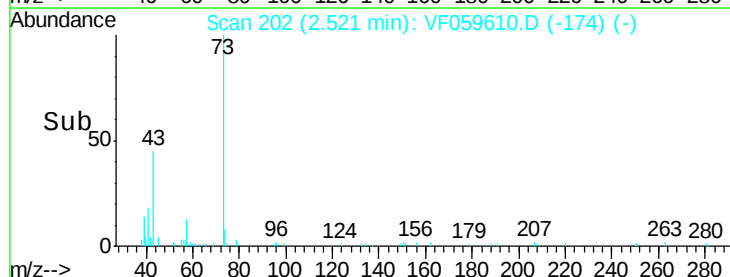
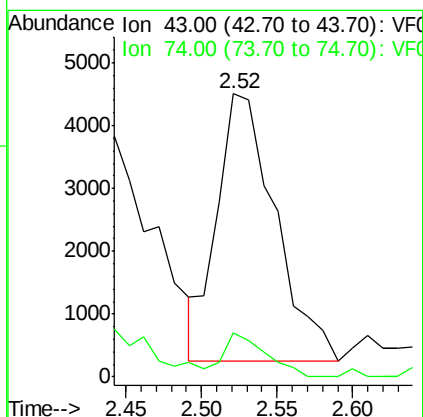
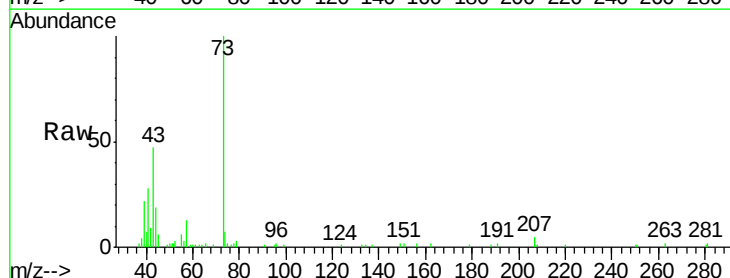
Acq: 23 Jul 2018 12:55

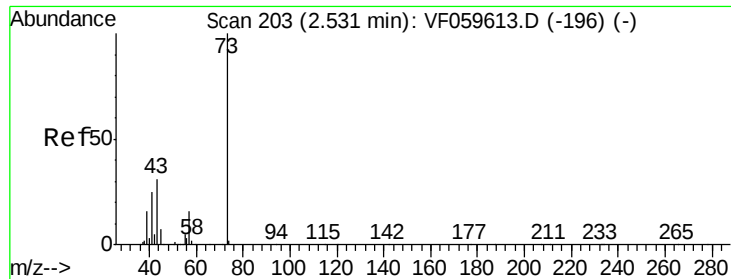
Tgt Ion: 43 Resp: 11353

Ion Ratio Lower Upper

43 100

74 15.7 11.4 17.0



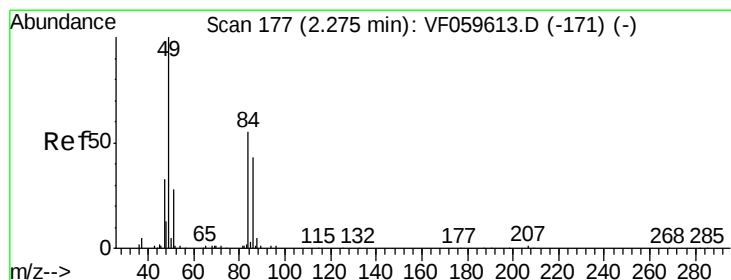
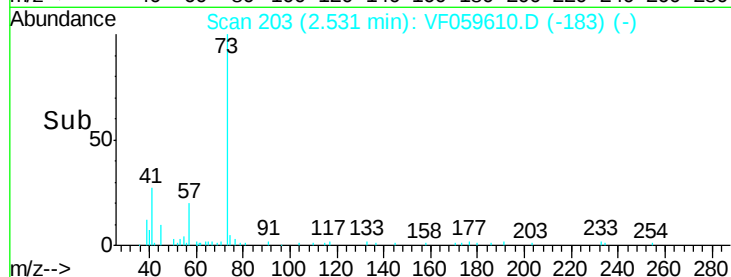
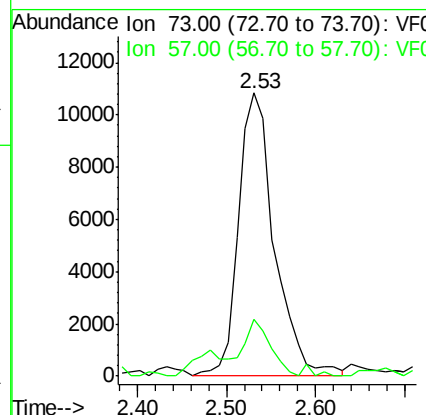
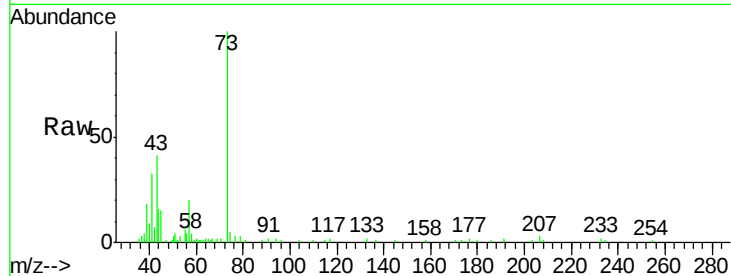


#19

Methyl tert-butyl Ether
 Concen: 5.41 ug/l
 RT: 2.53 min Scan# 203
 Delta R.T. 0.00 min
 Lab File: VF059610.D
 Acq: 23 Jul 2018 12:55

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

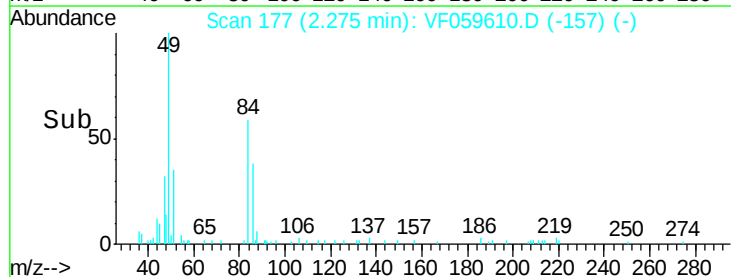
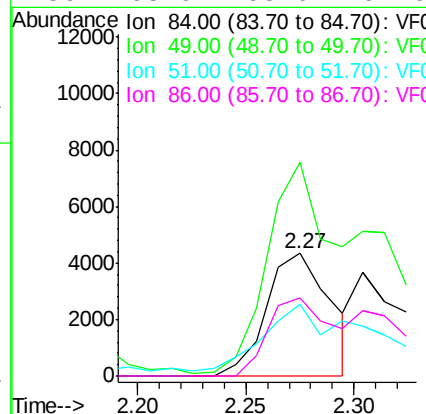
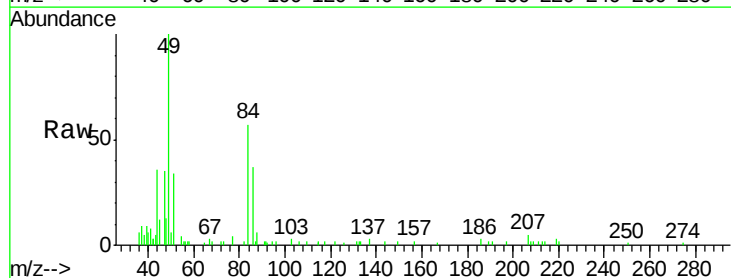
Tot Ion: 73 Resp: 30550
 Ion Ratio Lower Upper
 73 100
 57 20.0 13.2 19.8#

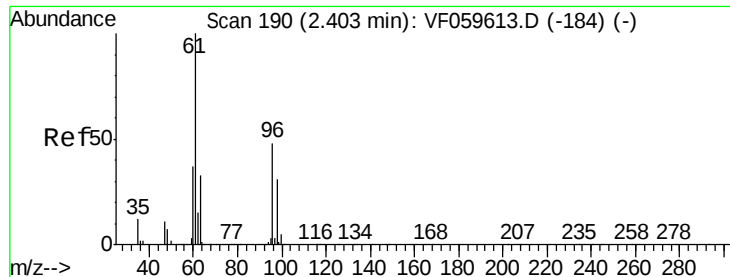


#20

Methylene Chloride
 Concen: 4.19 ug/l
 RT: 2.27 min Scan# 177
 Delta R.T. 0.00 min
 Lab File: VF059610.D
 Acq: 23 Jul 2018 12:55

Tgt Ion: 84 Resp: 8983
 Ion Ratio Lower Upper
 84 100
 49 174.0 148.6 222.8
 51 58.5 42.7 64.1
 86 63.9 63.0 94.6





#21

trans-1,2-Dichloroethene

Concen: 6.07 ug/l

RT: 2.40 min Scan# 190

Delta R.T. 0.00 min

Lab File: VF059610.D

Acq: 23 Jul 2018 12:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

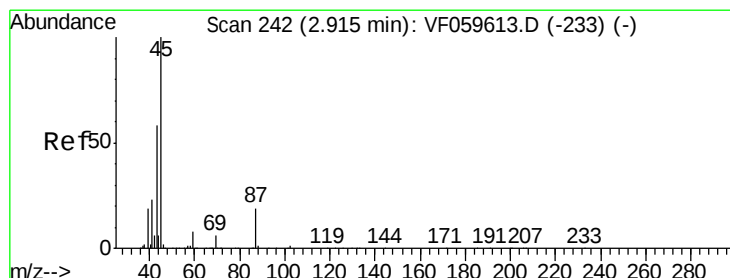
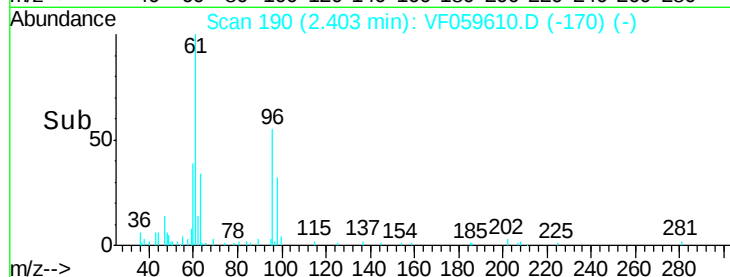
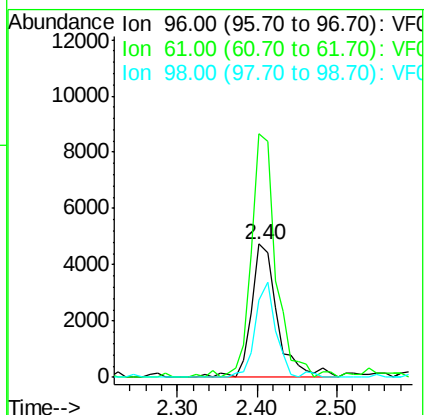
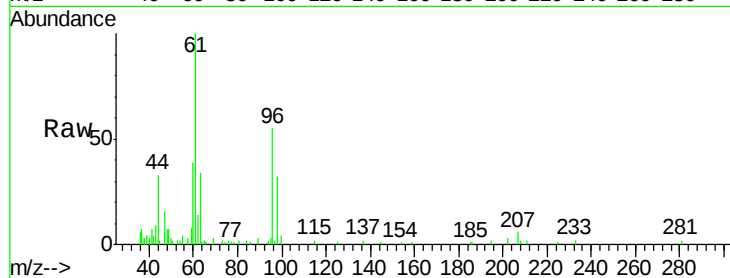
Tot Ion: 96 Resp: 10539

Ion Ratio Lower Upper

96 100

61 183.1 167.0 250.6

98 57.7 51.8 77.8



#22

Diisopropyl ether

Concen: 4.95 ug/l

RT: 2.92 min Scan# 242

Delta R.T. 0.00 min

Lab File: VF059610.D

Acq: 23 Jul 2018 12:55

Tgt Ion: 45 Resp: 31707

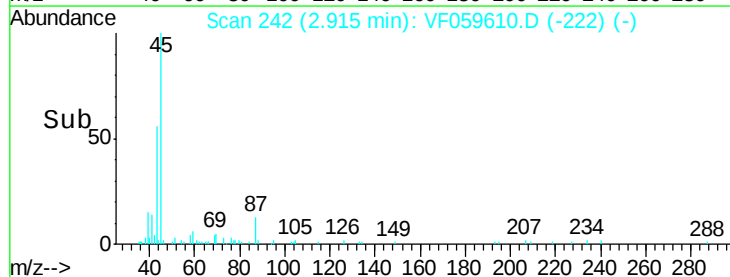
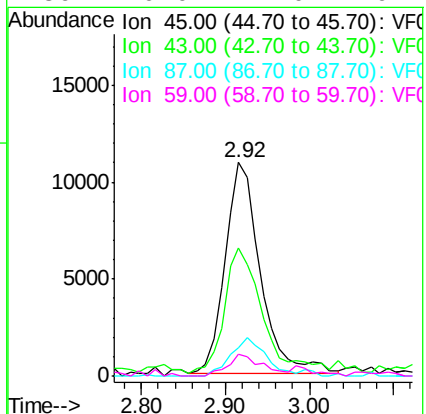
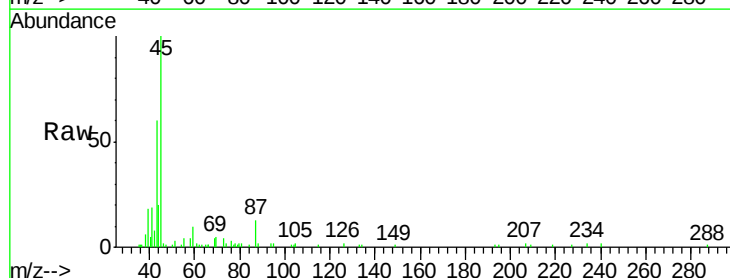
Ion Ratio Lower Upper

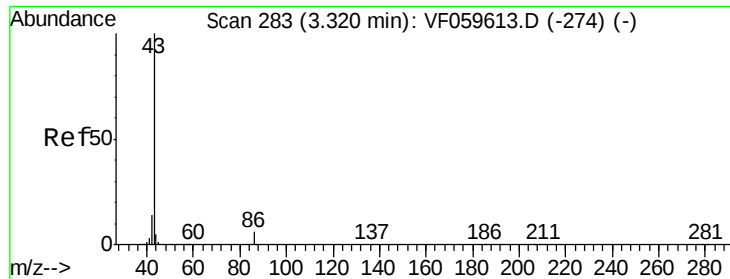
45 100

43 60.1 46.7 70.1

87 13.0 15.0 22.6#

59 10.0 7.0 10.4





#23

Vinyl Acetate

Concen: 20.85 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.01 min

Lab File: VF059610.D

Acq: 23 Jul 2018 12:55

Instrument :

MSVOA_F

ClientSampleId :

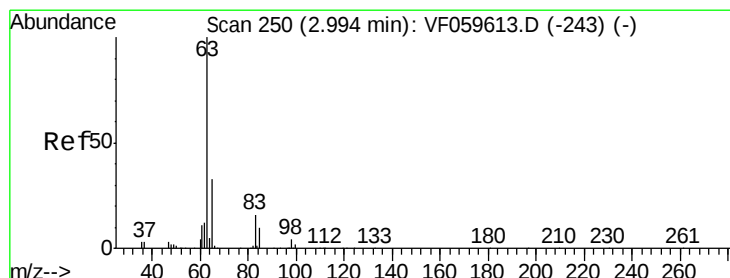
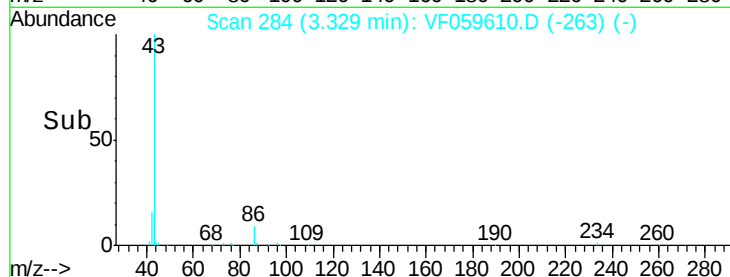
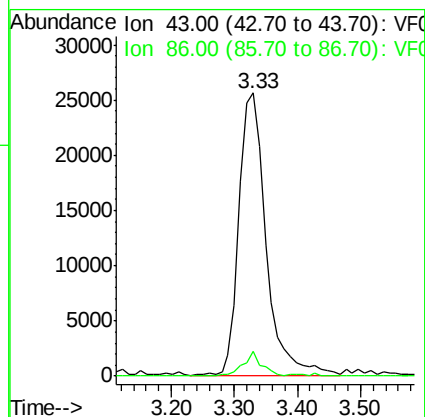
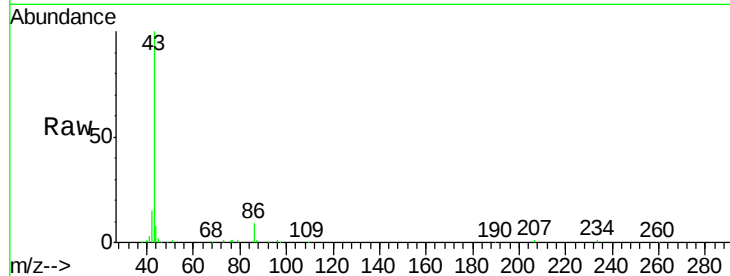
VSTDIC005

Tot Ion: 43 Resp: 76874

Ion Ratio Lower Upper

43 100

86 8.8 4.6 6.8#



#24

1,1-Dichloroethane

Concen: 5.69 ug/l

RT: 2.99 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF059610.D

Acq: 23 Jul 2018 12:55

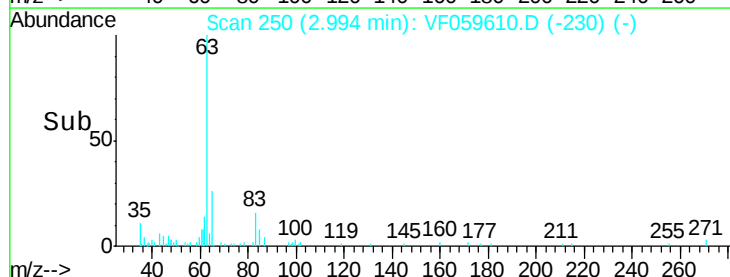
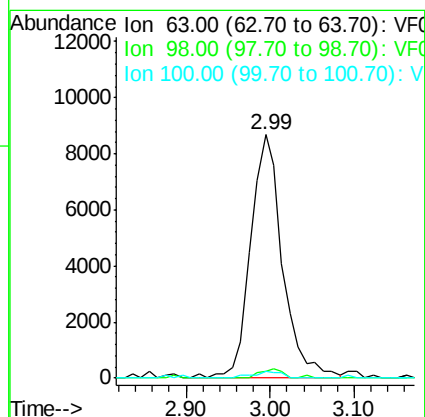
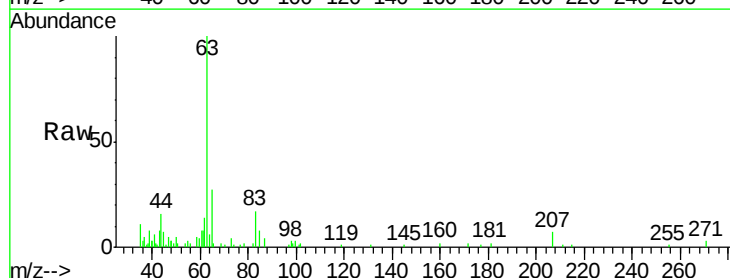
Tgt Ion: 63 Resp: 23102

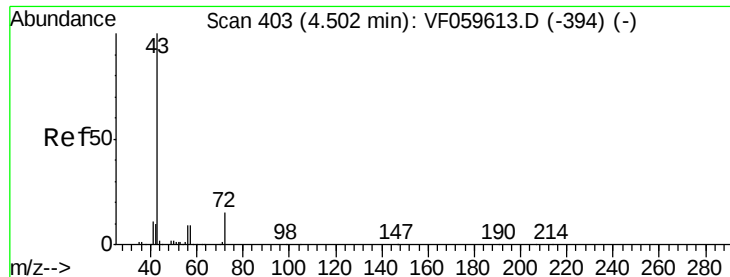
Ion Ratio Lower Upper

63 100

98 5.2 1.9 5.7

100 2.8 1.2 3.6





#25

2-Butanone

Concen: 25.42 ug/l

RT: 4.50 min Scan# 403

Delta R.T. 0.00 min

Lab File: VF059610.D

Acq: 23 Jul 2018 12:55

Instrument :

MSVOA_F

ClientSampleId :

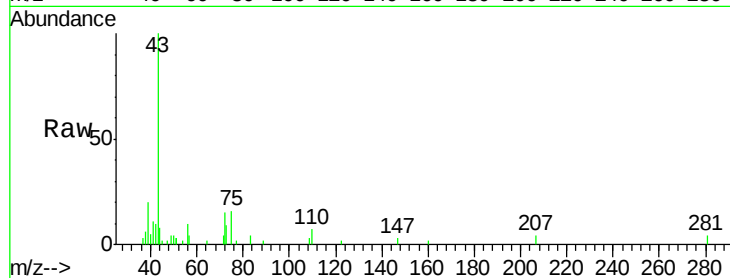
VSTDIC005

Tot Ion: 43 Resp: 21868

Ion Ratio Lower Upper

43 100

72 14.8 12.9 19.3



Abundance Ion 43.00 (42.70 to 43.70): VF059610.D (-383) (-)

Ion 72.00 (71.70 to 72.70): VF059610.D (-383) (-)

6000

5000

4000

3000

2000

1000

0

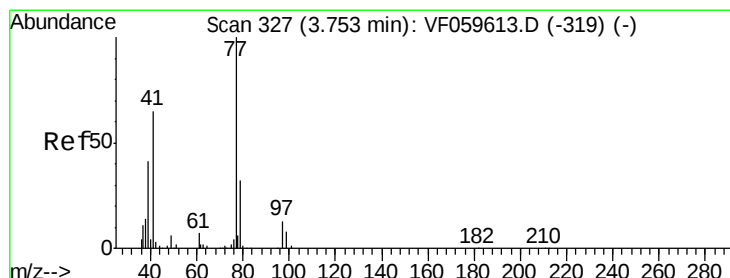
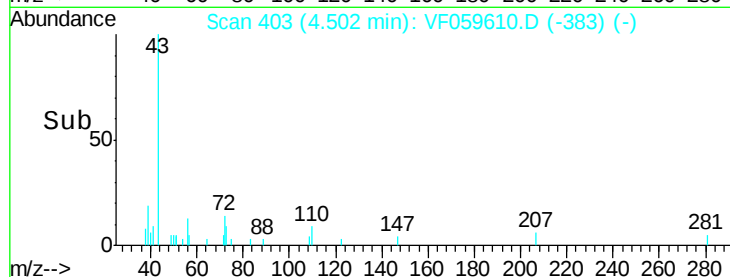
4.40

4.50

4.60

4.70

Time-->



#26

2,2-Dichloropropane

Concen: 6.98 ug/l

RT: 3.76 min Scan# 328

Delta R.T. 0.01 min

Lab File: VF059610.D

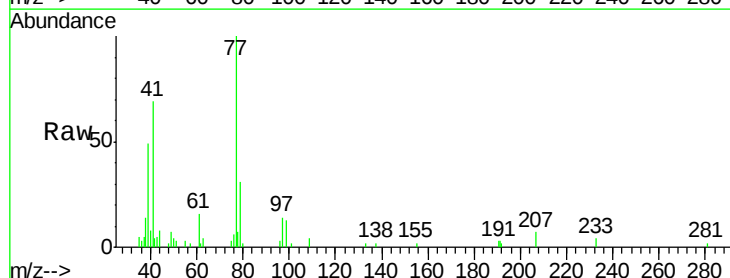
Acq: 23 Jul 2018 12:55

Tgt Ion: 77 Resp: 19642

Ion Ratio Lower Upper

77 100

97 13.8 7.1 21.3



Abundance Ion 77.00 (76.70 to 77.70): VF059610.D (-307) (-)

Ion 97.00 (96.70 to 97.70): VF059610.D (-307) (-)

6000

5000

4000

3000

2000

1000

0

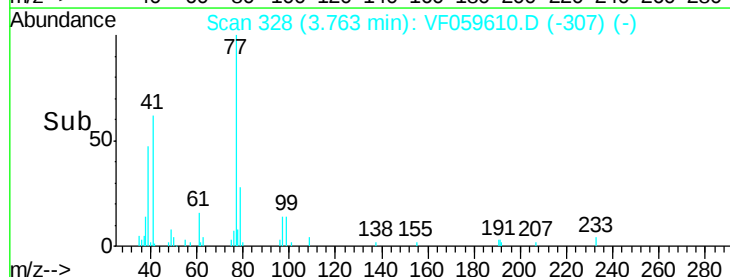
3.60

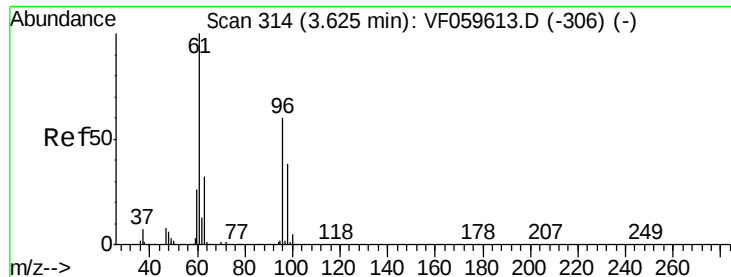
3.70

3.80

3.90

Time-->



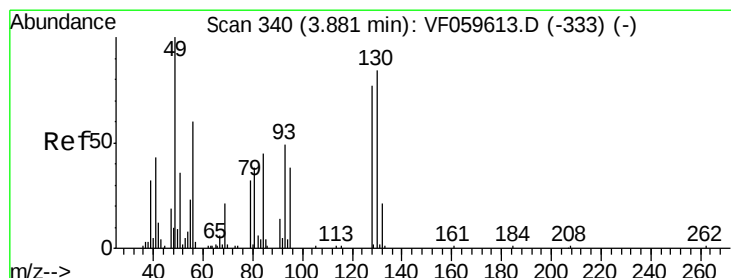
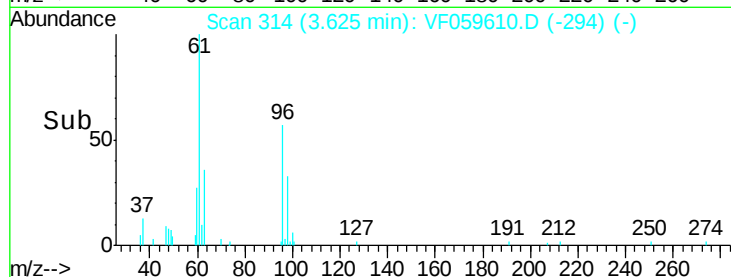
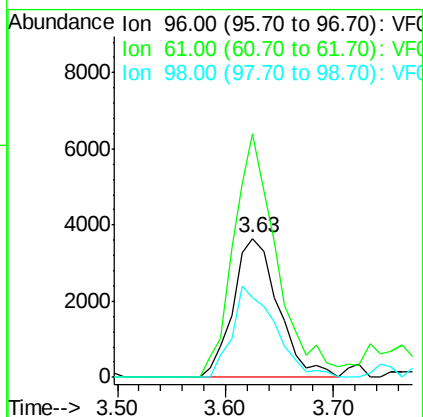
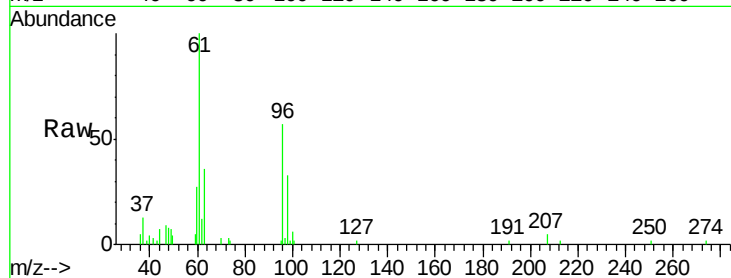


#27

cis-1,2-Dichloroethene
Concen: 5.24 ug/l
RT: 3.63 min Scan# 314
Delta R.T. 0.00 min
Lab File: VF059610.D
Acq: 23 Jul 2018 12:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

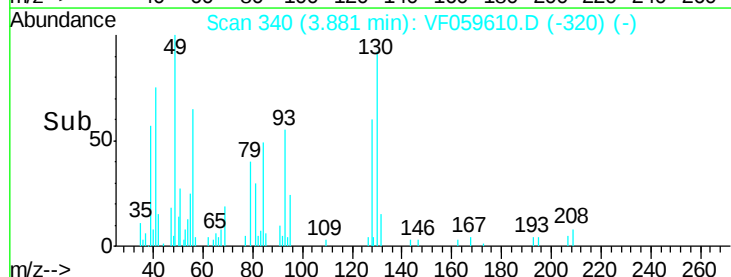
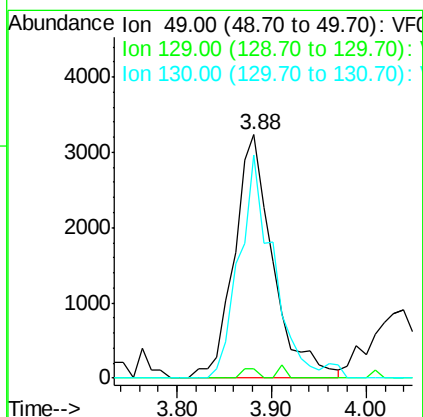
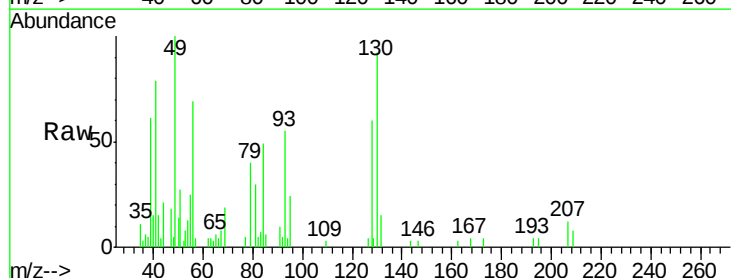
Tot Ion	96	Resp	10544
Ion	Ratio	Lower	Upper
96	100		
61	175.6	0.0	335.2
98	57.6	0.0	126.6

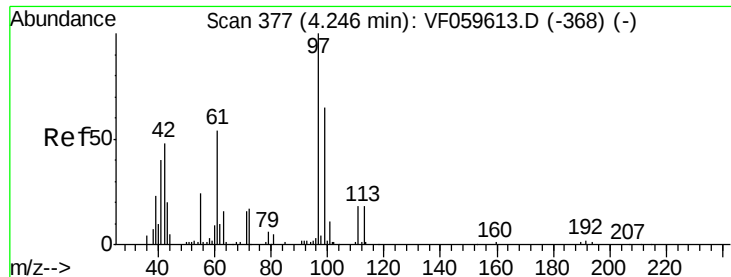


#28

Bromochloromethane
Concen: 5.37 ug/l
RT: 3.88 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF059610.D
Acq: 23 Jul 2018 12:55

Tgt Ion	49	Resp	9189
Ion	Ratio	Lower	Upper
49	100		
129	3.6	0.0	4.6
130	91.7	67.1	100.7

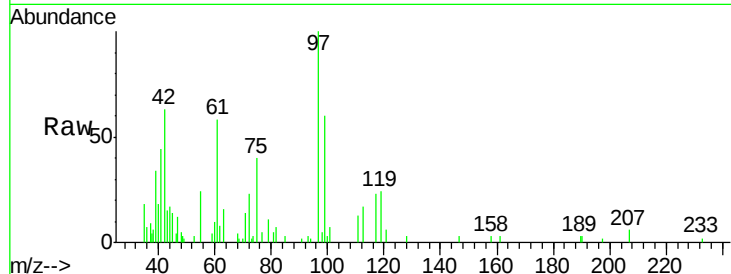




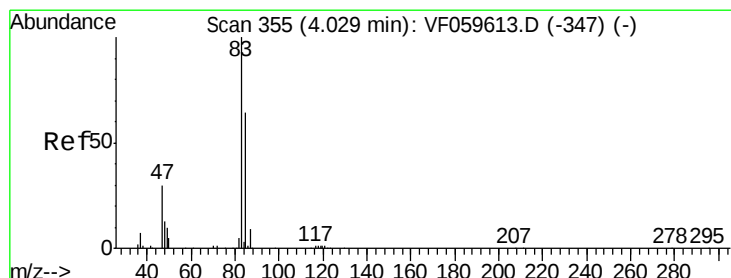
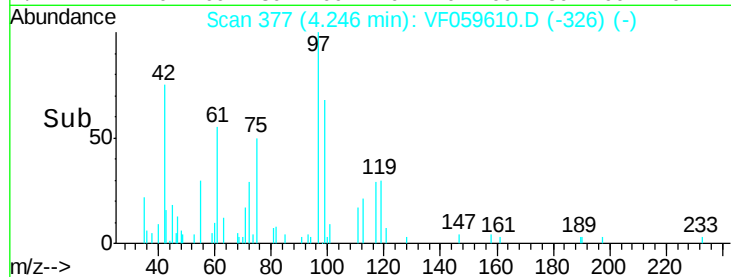
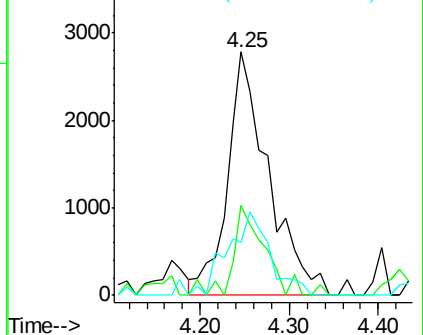
#29
Tetrahydrofuran
Concen: 23.10 ug/l
RT: 4.25 min Scan# 377
Delta R.T. 0.00 min
Lab File: VF059610.D
Acq: 23 Jul 2018 12:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	26.9	27.9	41.9#
71	34.9	29.3	43.9

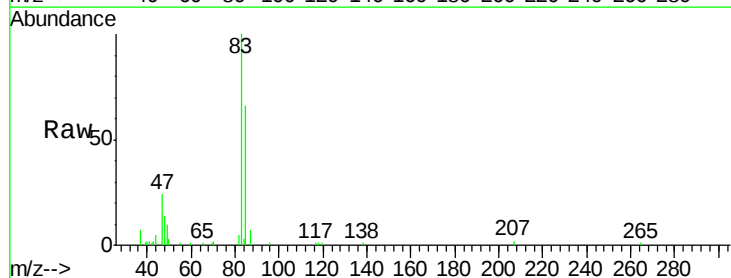


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

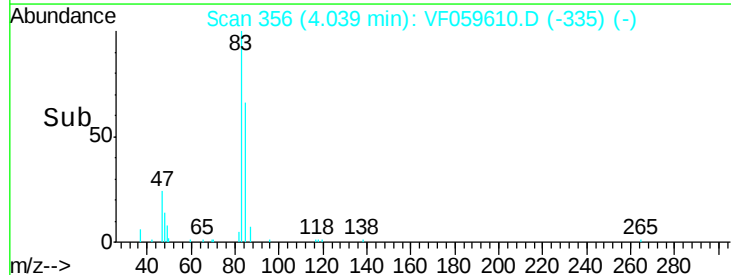
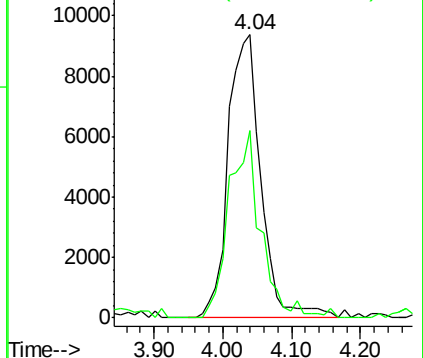


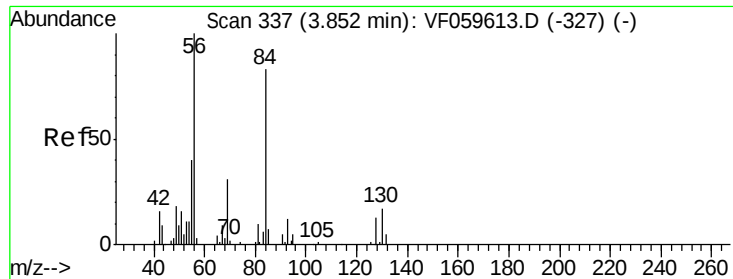
#30
Chloroform
Concen: 5.32 ug/l
RT: 4.04 min Scan# 355
Delta R.T. 0.01 min
Lab File: VF059610.D
Acq: 23 Jul 2018 12:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.1	76.7



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0

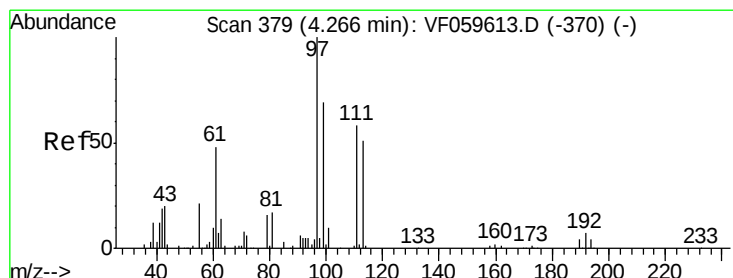
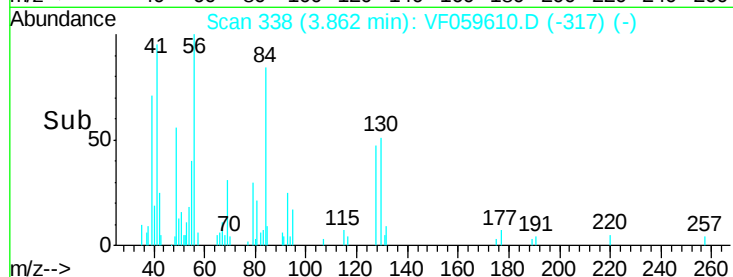
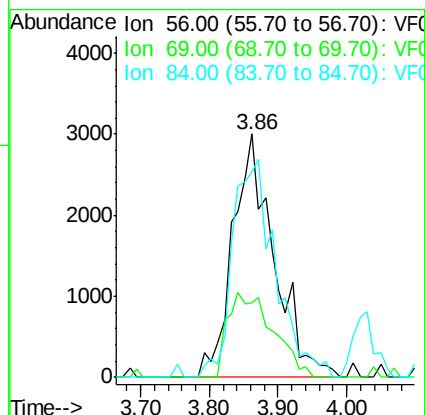
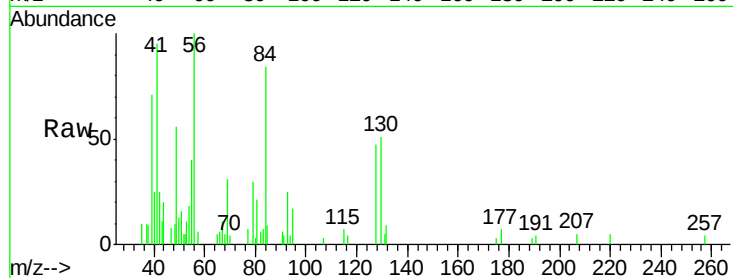




#31
Cyclohexane
Concen: 5.81 ug/l
RT: 3.86 min Scan# 338
Delta R.T. 0.01 min
Lab File: VF059610.D
Acq: 23 Jul 2018 12:55

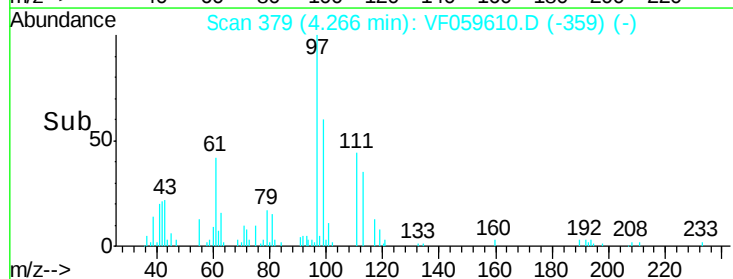
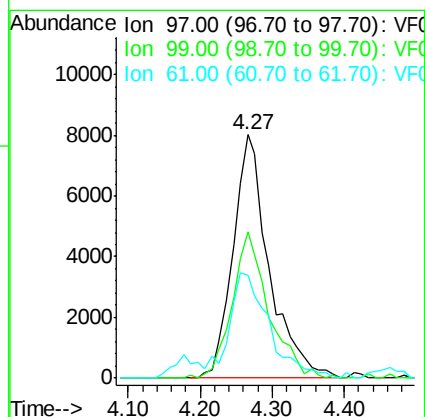
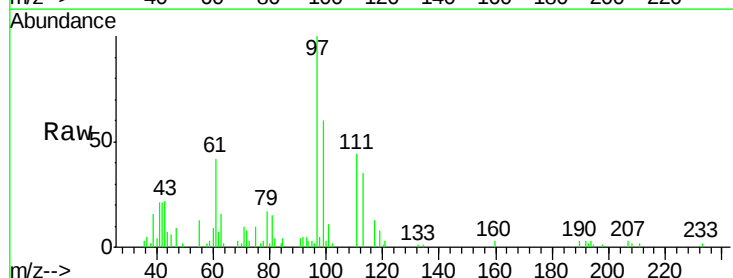
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

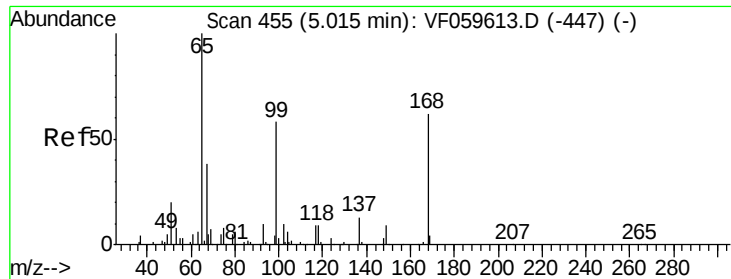
Tot Ion: 56 Resp: 12471
Ion Ratio Lower Upper
56 100
69 30.6 24.6 37.0
84 84.2 66.6 99.8



#32
1,1,1-Trichloroethane
Concen: 6.96 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.00 min
Lab File: VF059610.D
Acq: 23 Jul 2018 12:55

Tgt Ion: 97 Resp: 27934
Ion Ratio Lower Upper
97 100
99 60.2 55.4 83.2
61 42.1 39.3 58.9

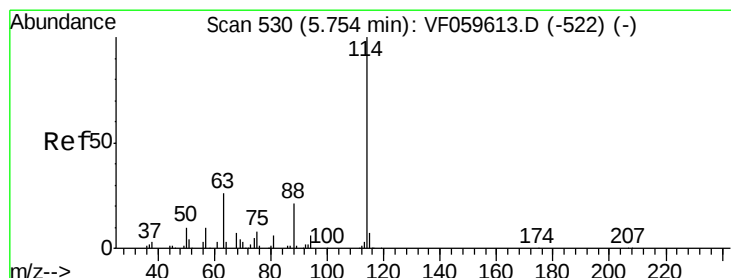
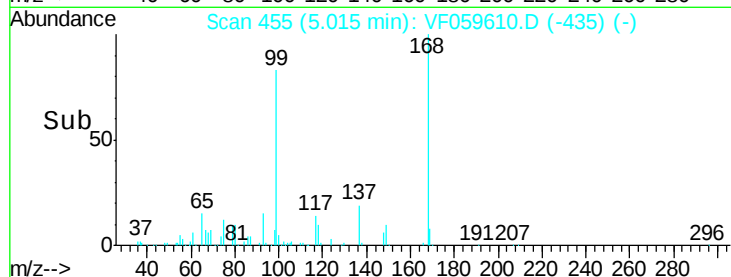
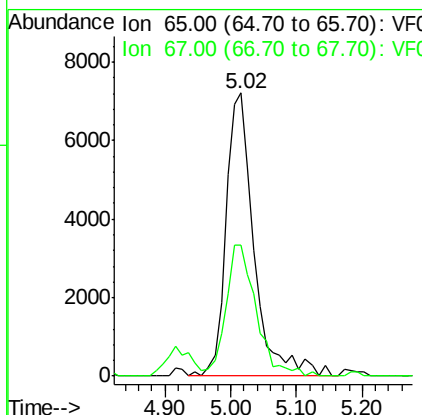
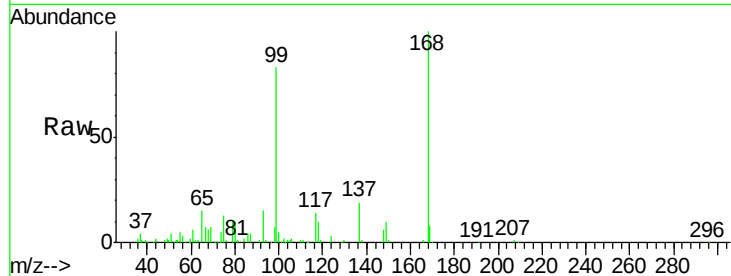




#33
 1,2-Dichloroethane-d4
 Concen: 5.48 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: VF059610.D
 Acq: 23 Jul 2018 12:55

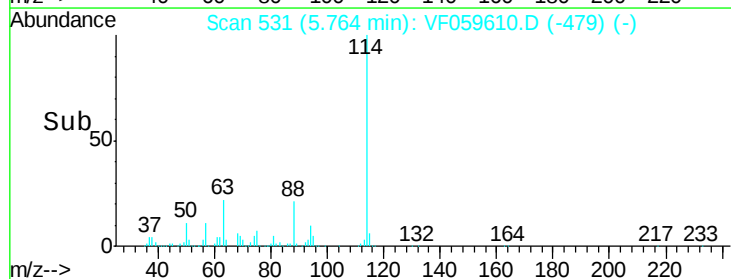
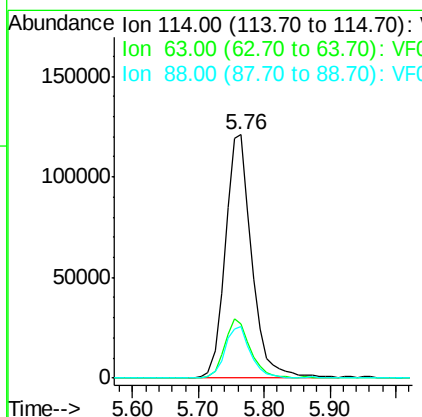
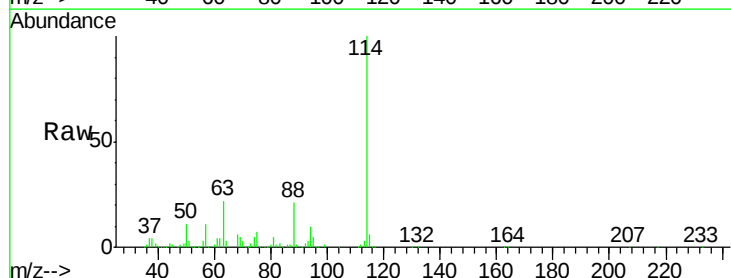
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

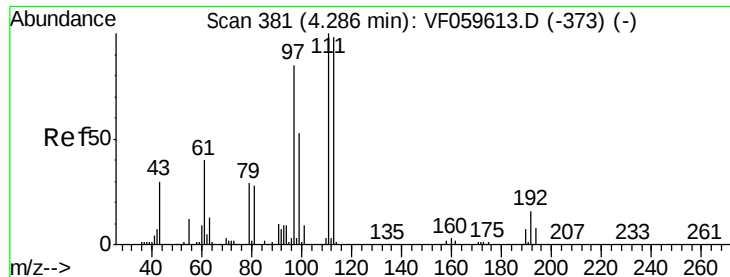
Tot Ion: 65 Resp: 21499
 Ion Ratio Lower Upper
 65 100
 67 46.5 0.0 83.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. 0.01 min
 Lab File: VF059610.D
 Acq: 23 Jul 2018 12:55

Tgt Ion: 114 Resp: 339601
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 51.8
 88 21.1 0.0 42.8





#35

Dibromofluoromethane

Concen: 5.25 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.00 min

Lab File: VF059610.D

Acq: 23 Jul 2018 12:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

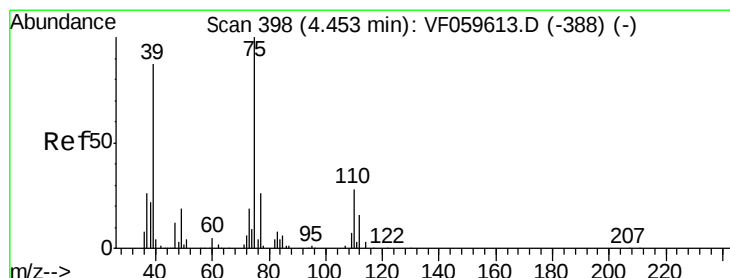
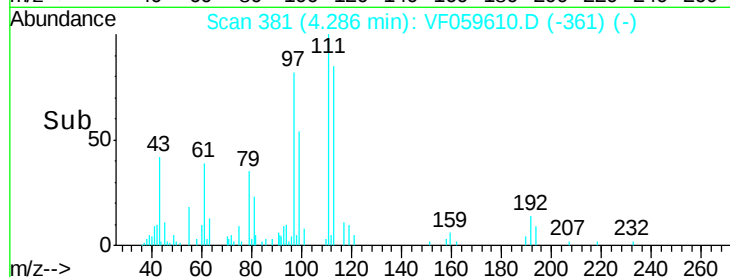
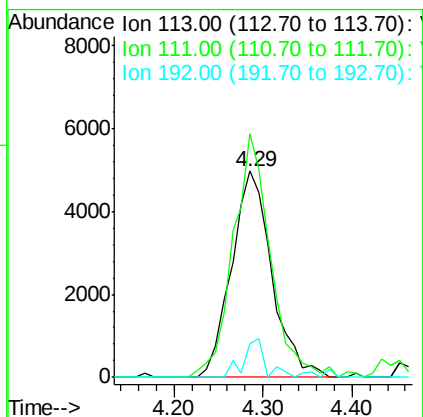
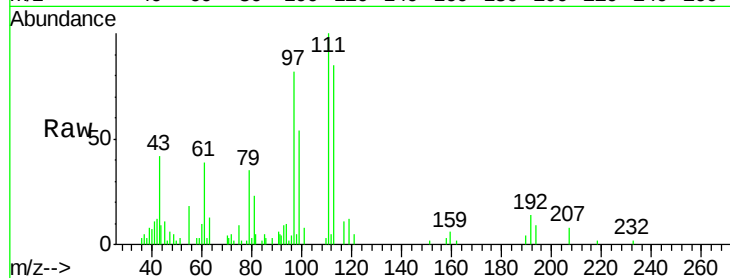
Tot Ion:113 Resp: 15653

Ion Ratio Lower Upper

113 100

111 118.1 81.5 122.3

192 16.4 13.4 20.2



#36

1,1-Dichloropropene

Concen: 5.18 ug/l

RT: 4.45 min Scan# 398

Delta R.T. 0.00 min

Lab File: VF059610.D

Acq: 23 Jul 2018 12:55

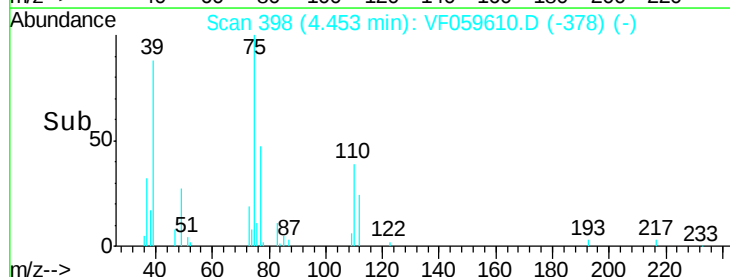
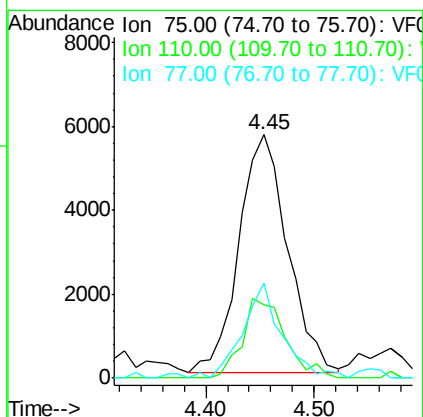
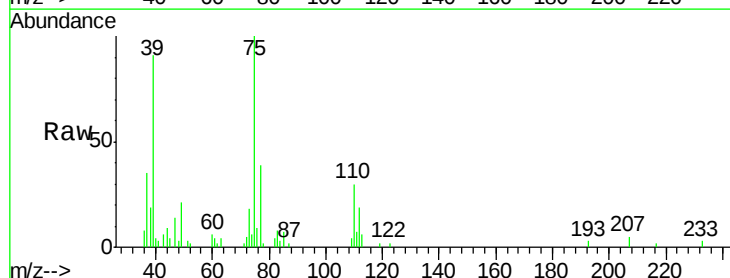
Tgt Ion: 75 Resp: 17659

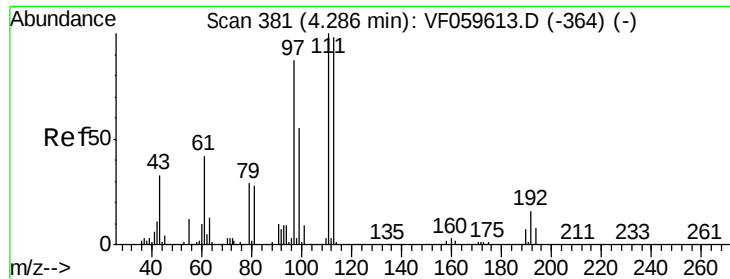
Ion Ratio Lower Upper

75 100

110 30.3 14.2 42.6

77 38.9 20.3 30.5#

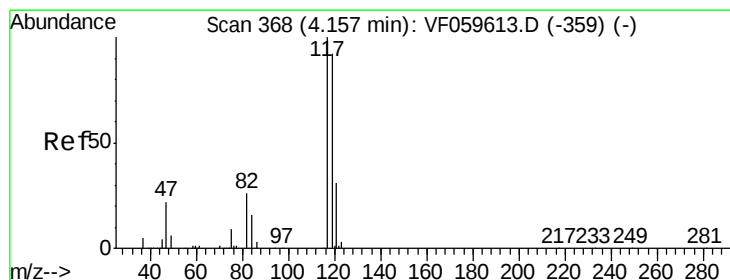
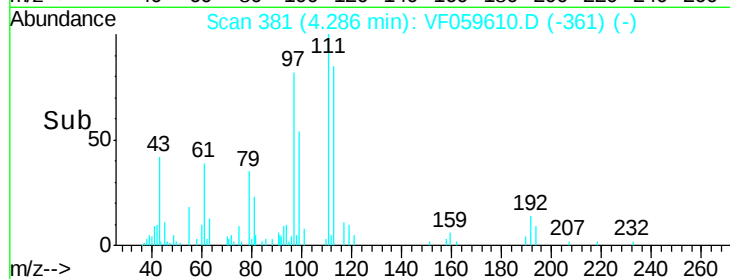
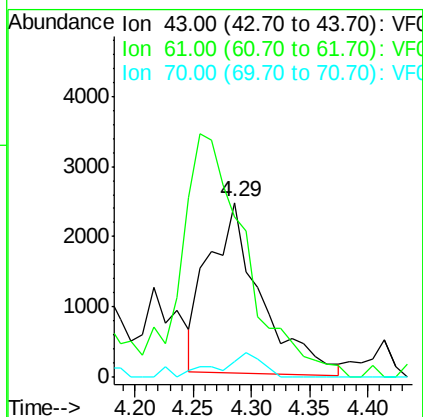
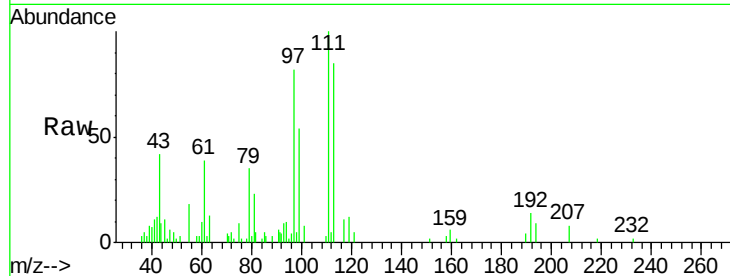




#37
Ethyl Acetate
Concen: 3.82 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF059610.D
Acq: 23 Jul 2018 12:55

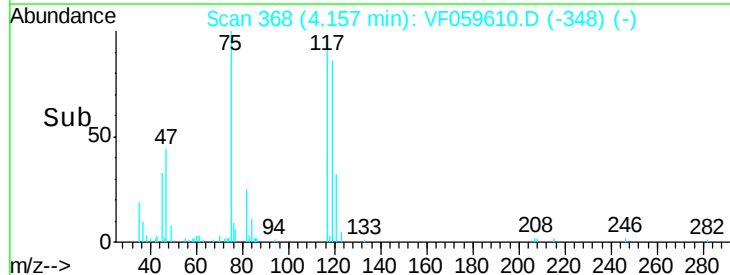
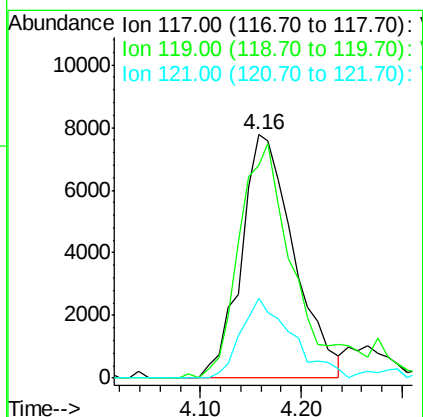
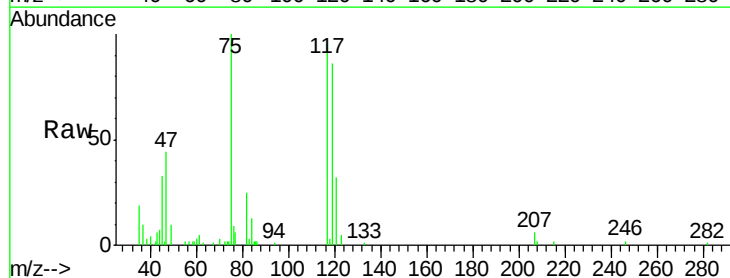
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

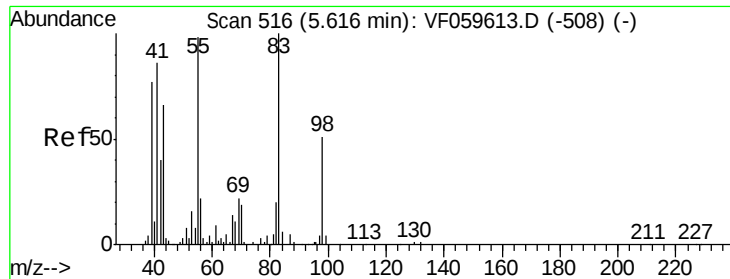
Tot Ion: 43 Resp: 7506
Ion Ratio Lower Upper
43 100
61 91.5 101.9 152.9#
70 9.3 7.9 11.9



#38
Carbon Tetrachloride
Concen: 6.65 ug/l
RT: 4.16 min Scan# 368
Delta R.T. 0.00 min
Lab File: VF059610.D
Acq: 23 Jul 2018 12:55

Tgt Ion: 117 Resp: 28196
Ion Ratio Lower Upper
117 100
119 87.4 74.2 111.4
121 32.8 24.7 37.1

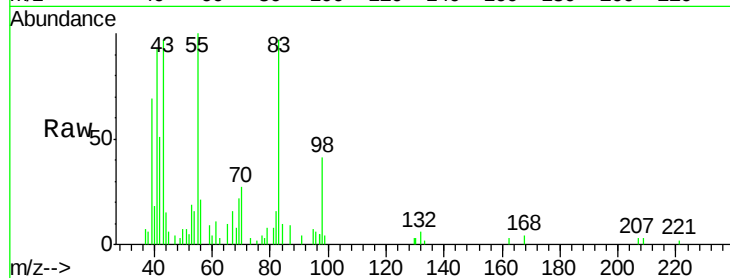




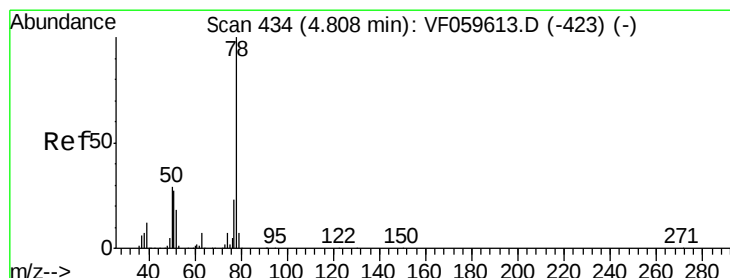
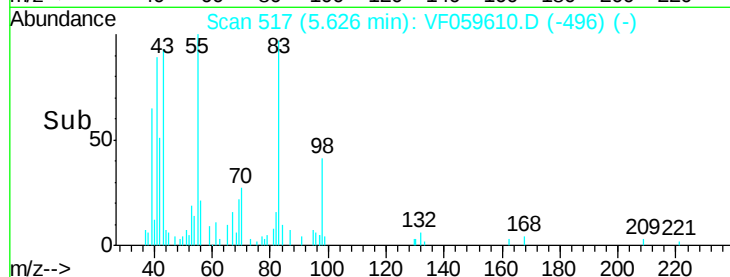
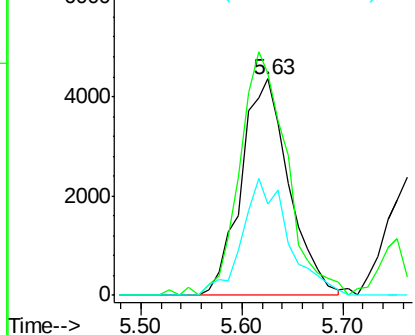
#39
Methvlcvclohexane
Concen: 5.47 ug/l
RT: 5.63 min Scan# 517
Delta R.T. 0.01 min
Lab File: VF059610.D
Acq: 23 Jul 2018 12:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion: 83 Resp: 14385
Ion Ratio Lower Upper
83 100
55 102.8 78.5 117.7
98 41.9 41.1 61.7

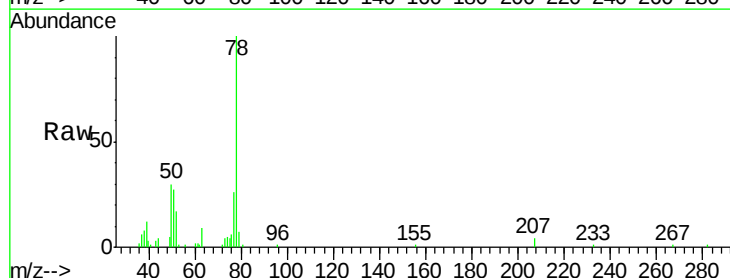


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

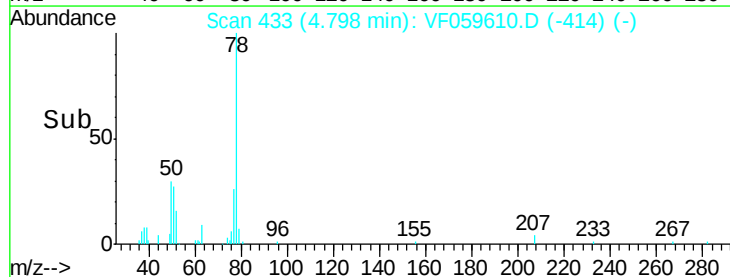
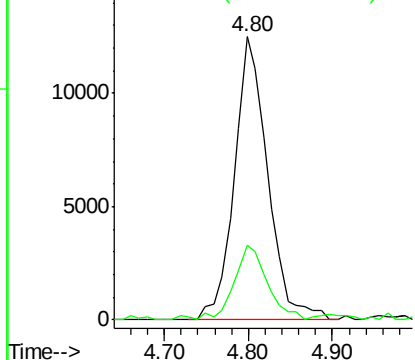


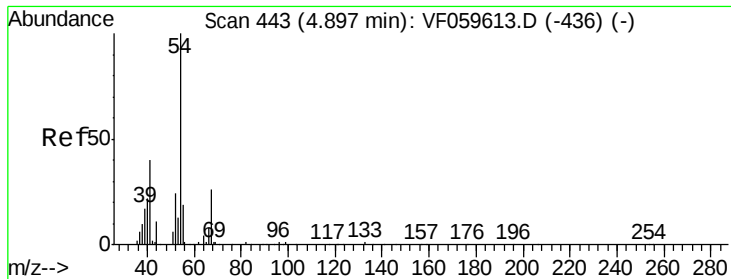
#40
Benzene
Concen: 5.27 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF059610.D
Acq: 23 Jul 2018 12:55

Tgt Ion: 78 Resp: 34464
Ion Ratio Lower Upper
78 100
77 26.4 18.4 27.6



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0





#41

Methacrylonitrile

Concen: 4.16 ug/l

RT: 4.91 min Scan# 444

Delta R.T. 0.01 min

Lab File: VF059610.D

Acq: 23 Jul 2018 12:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 41 Resp: 4013

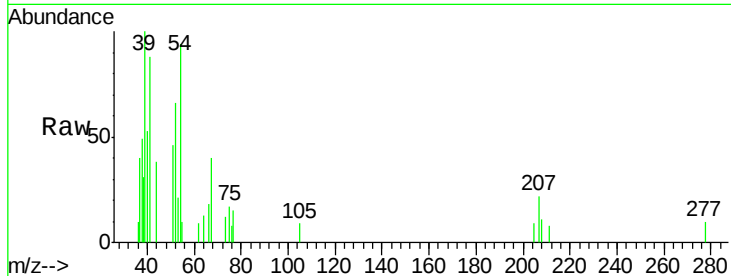
Ion Ratio Lower Upper

41 100

39 114.3 58.2 87.4#

67 45.5 51.0 76.6#

52 75.8 80.1 120.1#



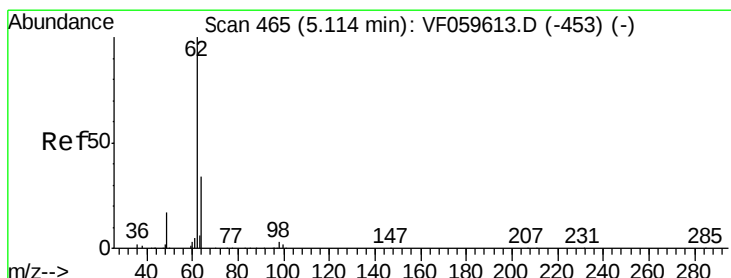
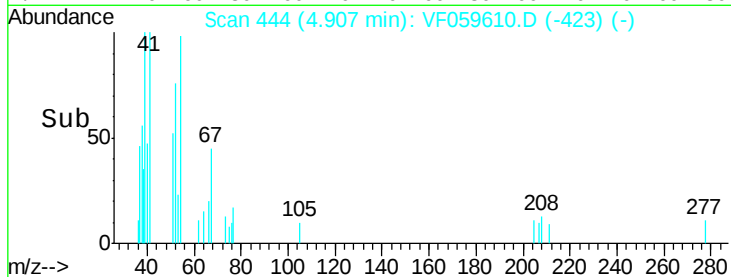
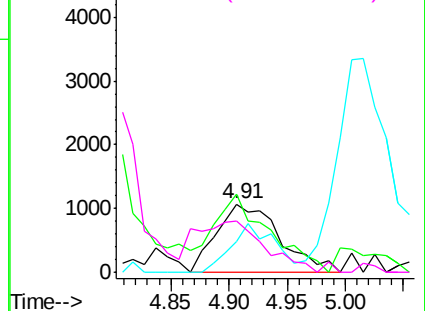
Abundance

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 5.53 ug/l

RT: 5.11 min Scan# 465

Delta R.T. 0.00 min

Lab File: VF059610.D

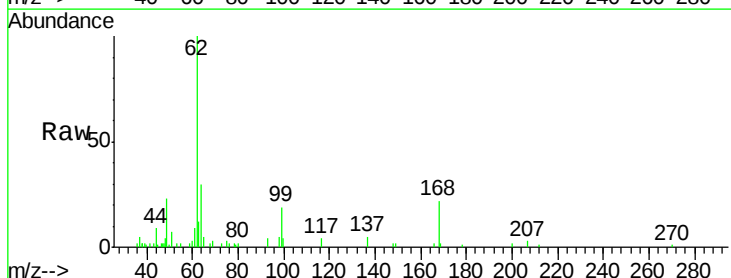
Acq: 23 Jul 2018 12:55

Tgt Ion: 62 Resp: 23903

Ion Ratio Lower Upper

62 100

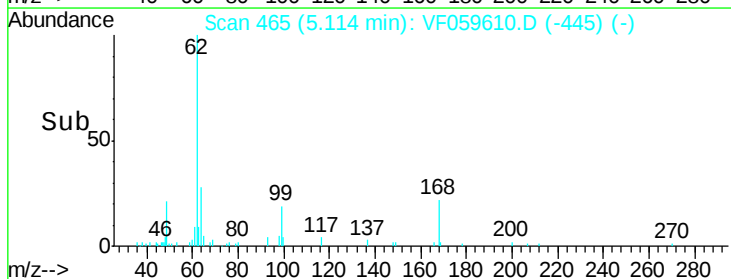
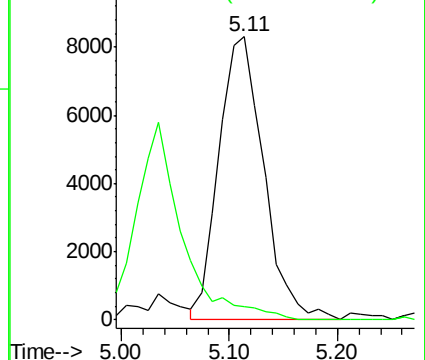
98 4.8 0.0 8.4

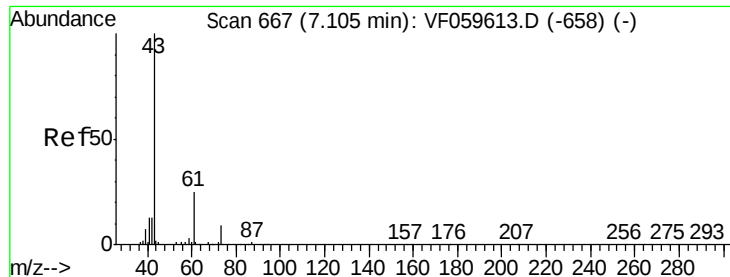


Abundance

Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 4.13 ug/l

RT: 7.10 min Scan# 667

Delta R.T. 0.00 min

Lab File: VF059610.D

Acq: 23 Jul 2018 12:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

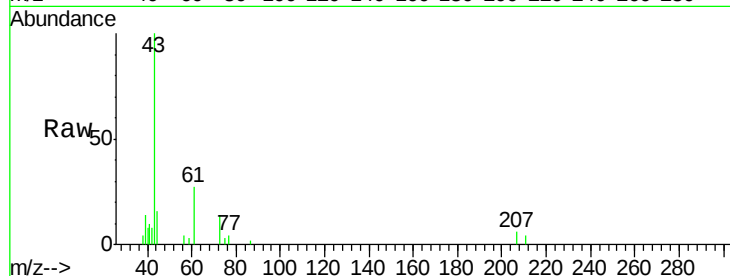
Tot Ion: 43 Resp: 9701

Ion Ratio Lower Upper

43 100

61 27.3 20.1 30.1

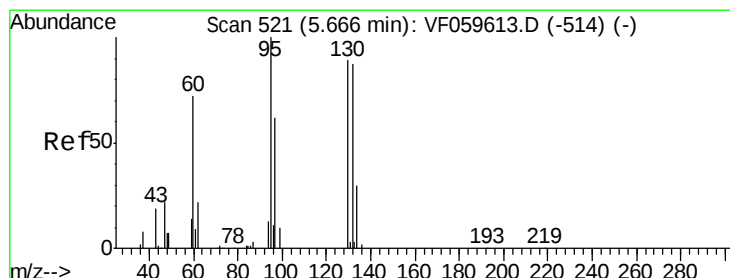
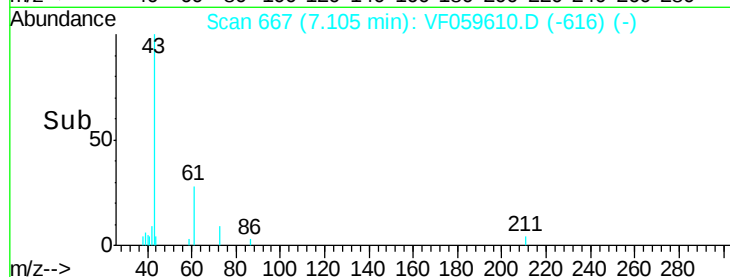
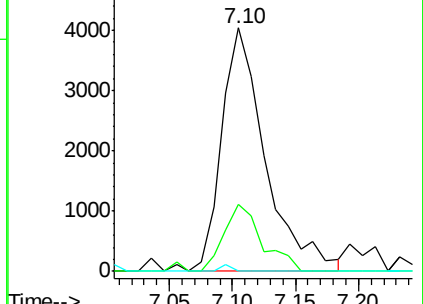
87 0.0 0.5 0.7#



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: 5.37 ug/l

RT: 5.67 min Scan# 521

Delta R.T. 0.00 min

Lab File: VF059610.D

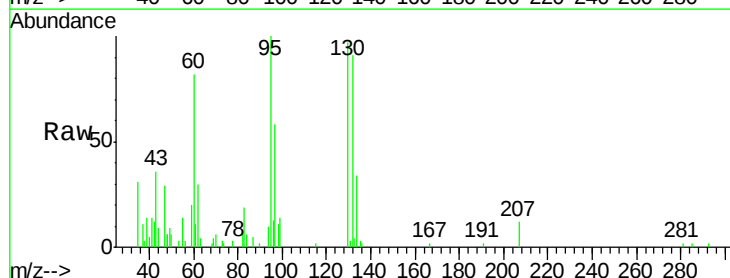
Acq: 23 Jul 2018 12:55

Tgt Ion:130 Resp: 13189

Ion Ratio Lower Upper

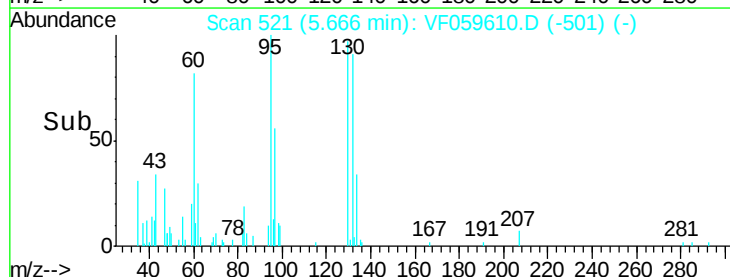
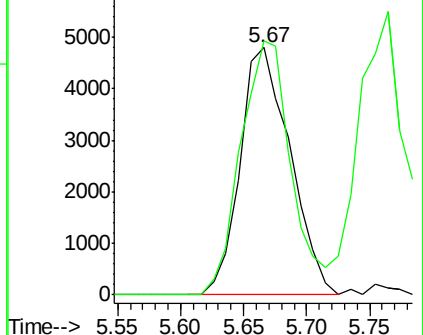
130 100

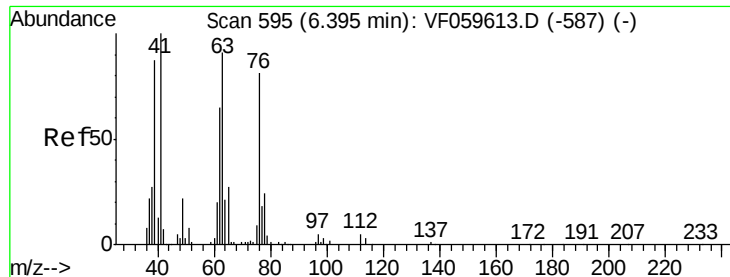
95 102.8 0.0 226.4



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: 4.90 ug/l

RT: 6.40 min Scan# 596

Delta R.T. 0.01 min

Lab File: VF059610.D

Acq: 23 Jul 2018 12:55

Instrument :

MSVOA_F

ClientSampleId :

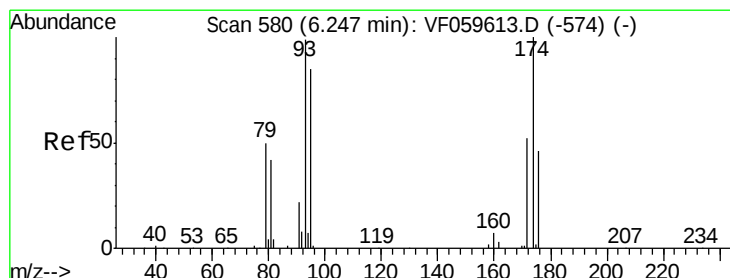
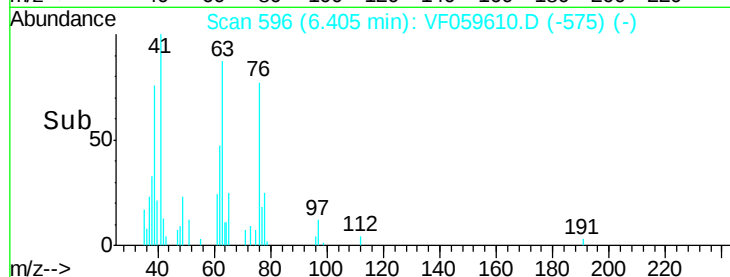
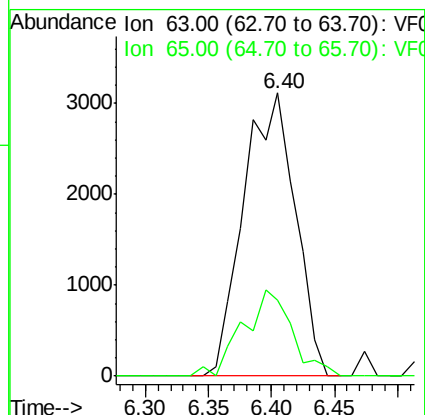
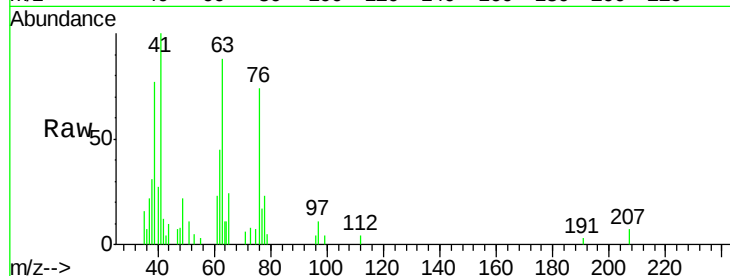
VSTDIC005

Tot Ion: 63 Resp: 8874

Ion Ratio Lower Upper

63 100

65 26.8 23.4 35.0



#46

Dibromomethane

Concen: 4.34 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF059610.D

Acq: 23 Jul 2018 12:55

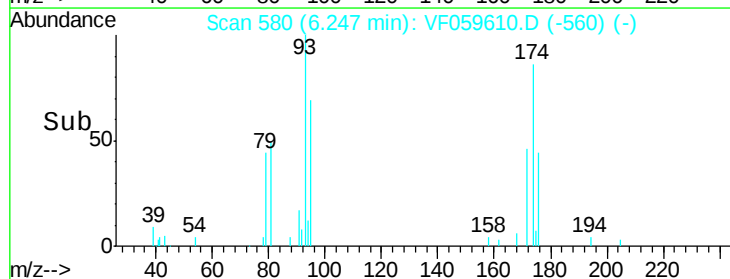
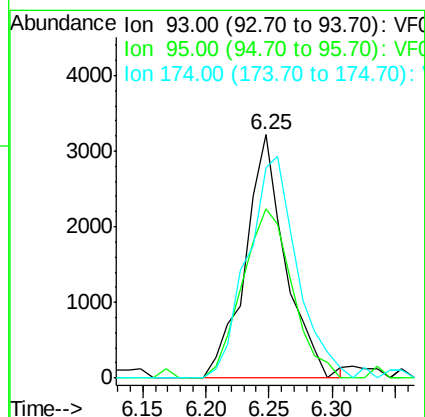
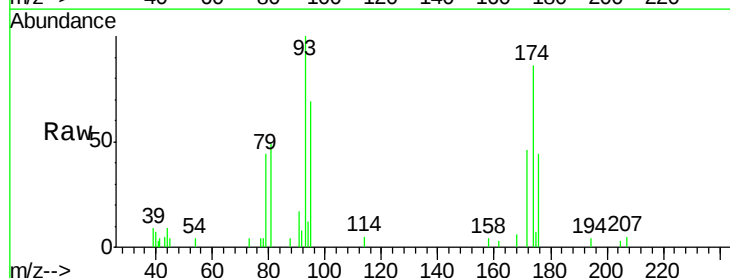
Tgt Ion: 93 Resp: 7130

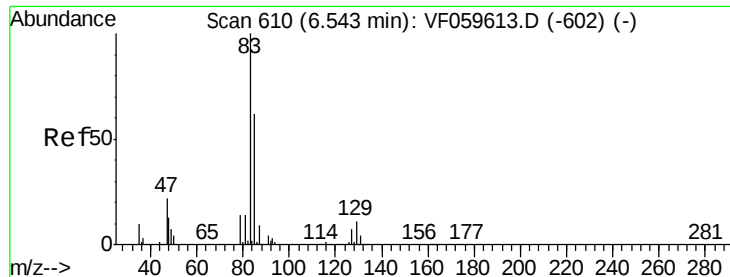
Ion Ratio Lower Upper

93 100

95 69.4 68.6 102.8

174 86.1 80.8 121.2





#47

Bromodichloromethane

Concen: 5.27 ug/l

RT: 6.54 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF059610.D

Acq: 23 Jul 2018 12:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

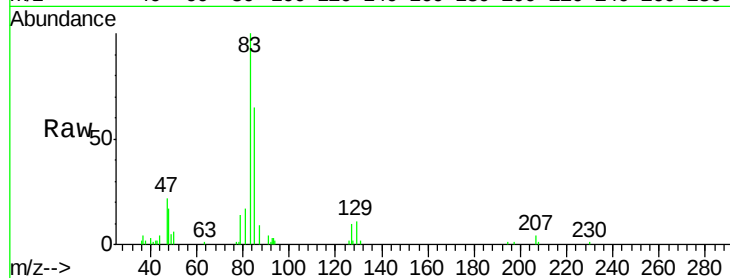
Tot Ion: 83 Resp: 22759

Ion Ratio Lower Upper

83 100

85 65.2 49.4 74.0

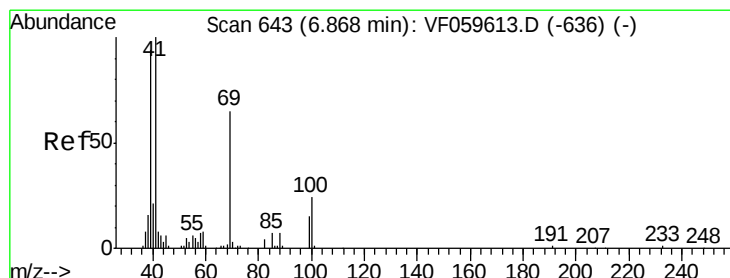
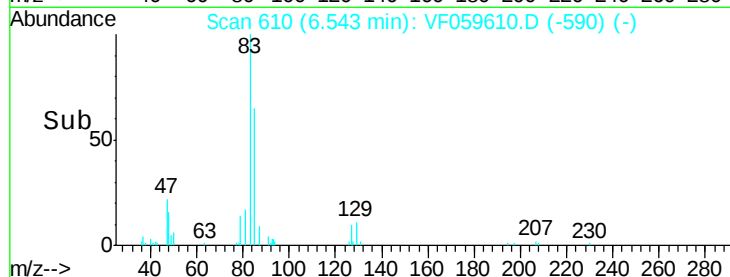
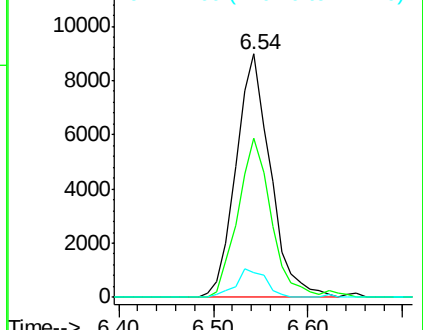
127 11.8 5.9 8.9#



Abundance Ion 83.00 (82.70 to 83.70): VF059610.D (-590) (-)

Ion 85.00 (84.70 to 85.70): VF059610.D (-590) (-)

Ion 127.00 (126.70 to 127.70): VF059610.D (-590) (-)



#48

Methyl methacrylate

Concen: 4.38 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.01 min

Lab File: VF059610.D

Acq: 23 Jul 2018 12:55

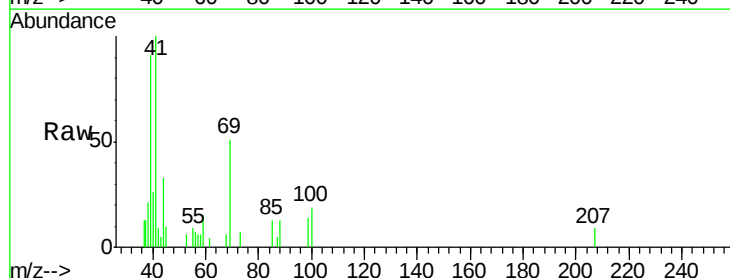
Tgt Ion: 41 Resp: 7316

Ion Ratio Lower Upper

41 100

69 50.7 51.6 77.4#

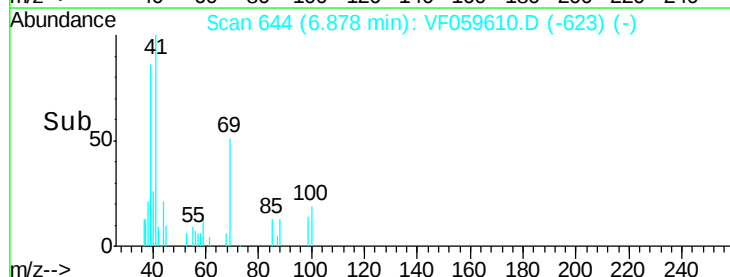
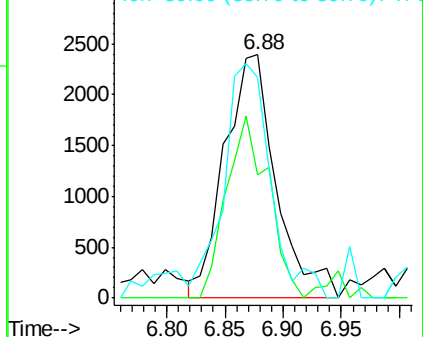
39 90.6 76.3 114.5

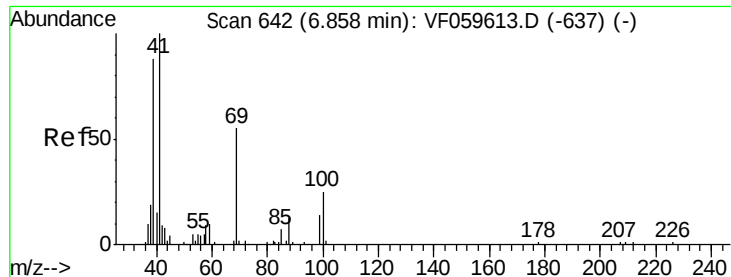


Abundance Ion 41.00 (40.70 to 41.70): VF059610.D (-623) (-)

Ion 69.00 (68.70 to 69.70): VF059610.D (-623) (-)

Ion 39.00 (38.70 to 39.70): VF059610.D (-623) (-)





#49

1,4-Dioxane

Concen: 182.02 ug/l

RT: 6.86 min Scan# 642

Delta R.T. 0.00 min

Lab File: VF059610.D

Acq: 23 Jul 2018 12:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

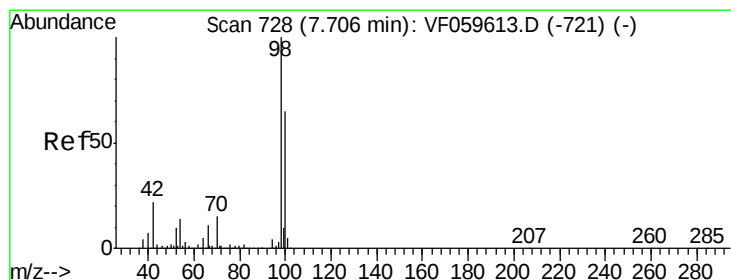
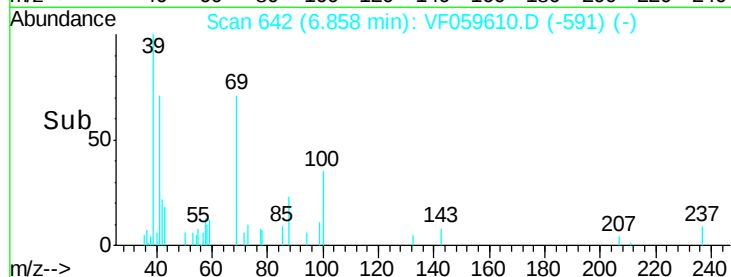
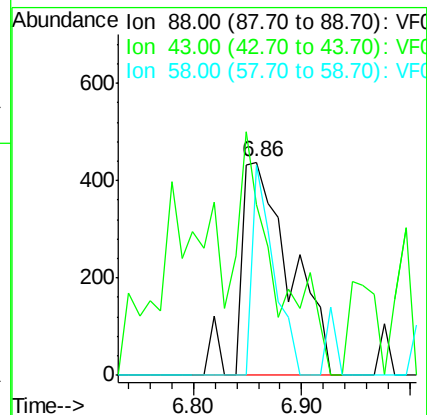
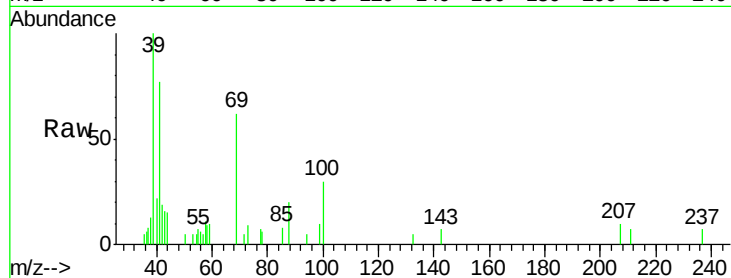
Tot Ion: 88 Resp: 1403

Ion Ratio Lower Upper

88 100

43 79.9 54.2 81.4

58 98.4 54.3 81.5#



#50

Toluene-d8

Concen: 5.00 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.01 min

Lab File: VF059610.D

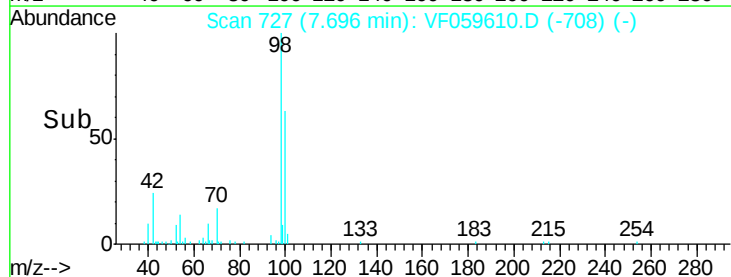
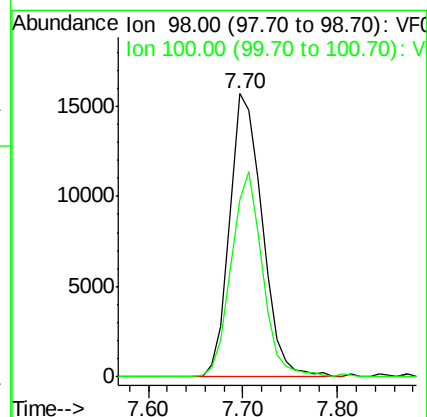
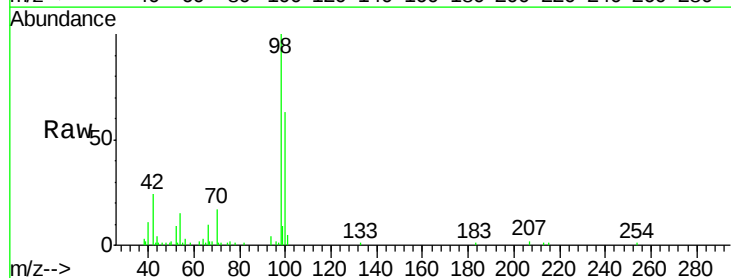
Acq: 23 Jul 2018 12:55

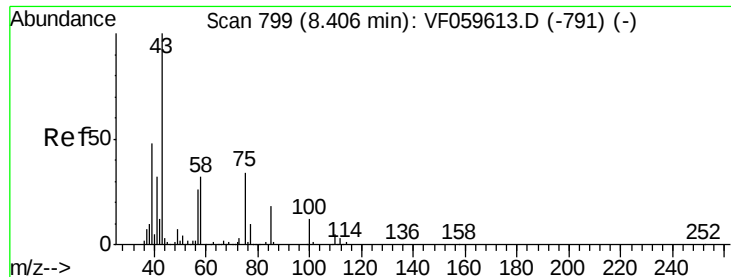
Tgt Ion: 98 Resp: 37509

Ion Ratio Lower Upper

98 100

100 62.7 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 23.52 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF059610.D

Acq: 23 Jul 2018 12:55

Instrument :

MSVOA_F

ClientSampleId :

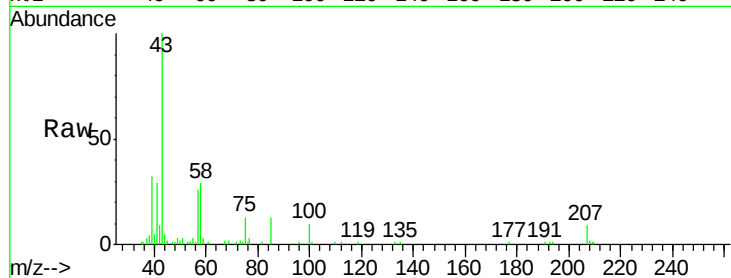
VSTDIC005

Tot Ion: 43 Resp: 38756

Ion Ratio Lower Upper

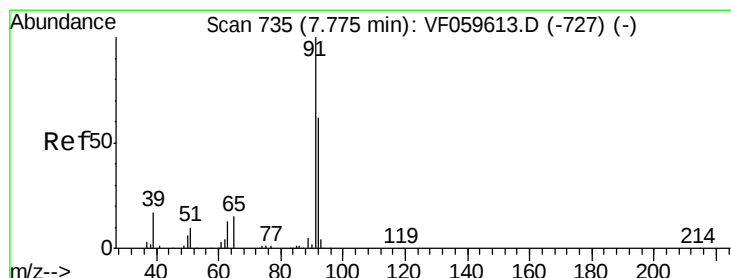
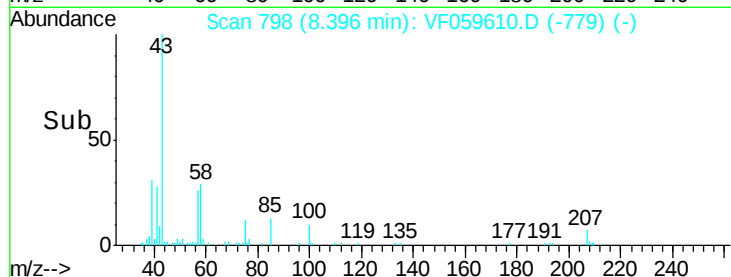
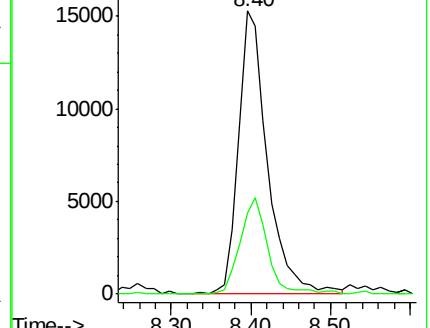
43 100

58 28.5 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) (-)



#52

Toluene

Concen: 5.70 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059610.D

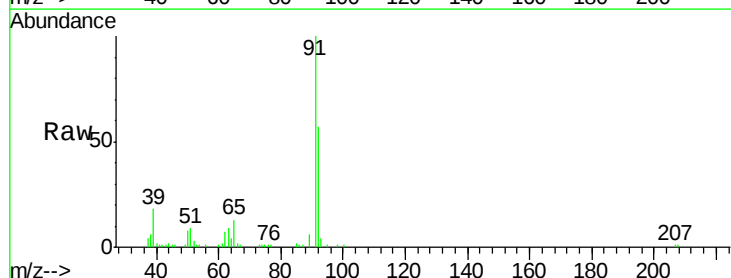
Acq: 23 Jul 2018 12:55

Tgt Ion: 92 Resp: 27303

Ion Ratio Lower Upper

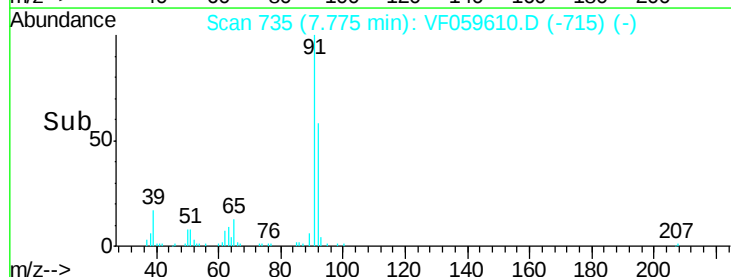
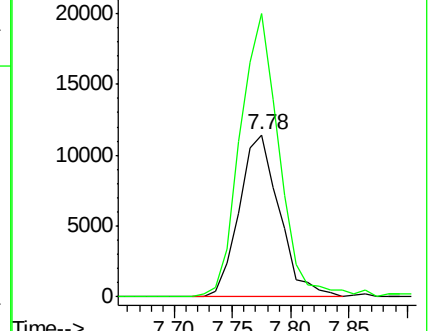
92 100

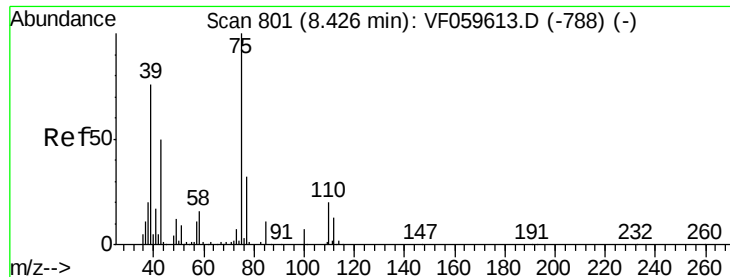
91 174.6 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VF059613.D (-727) (-)

Ion 91.00 (90.70 to 91.70): VF059613.D (-727) (-)





#53

t-1,3-Dichloropropene

Concen: 4.92 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF059610.D

Acq: 23 Jul 2018 12:55

Instrument :

MSVOA_F

ClientSampleId :

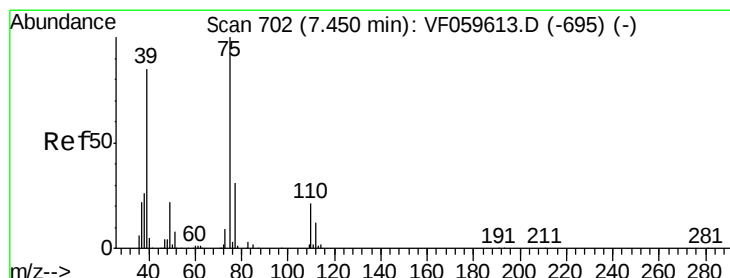
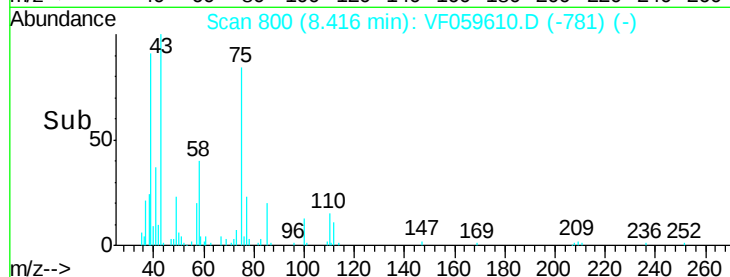
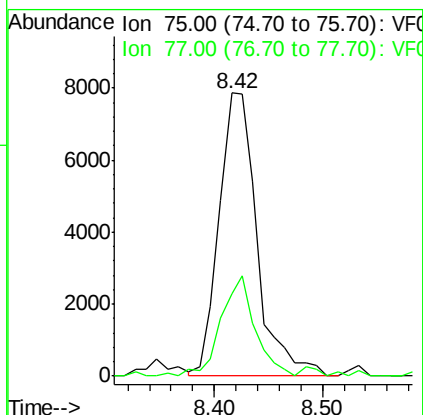
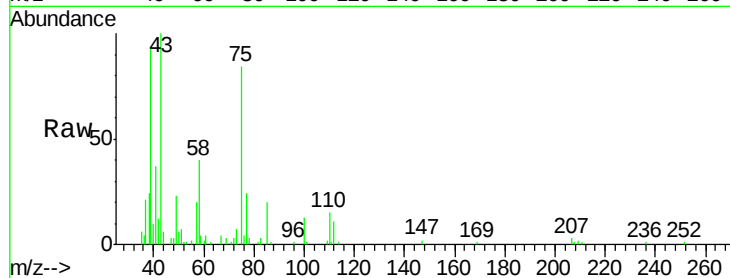
VSTDIC005

Tot Ion: 75 Resp: 19240

Ion Ratio Lower Upper

75 100

77 29.2 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 4.90 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF059610.D

Acq: 23 Jul 2018 12:55

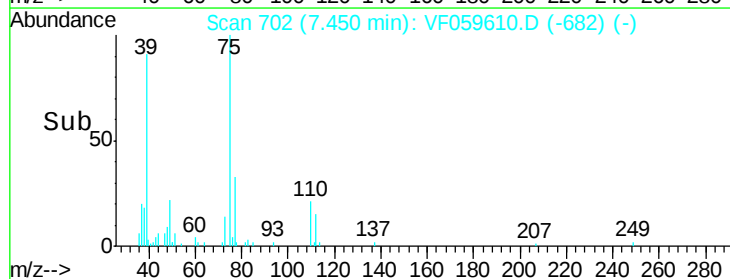
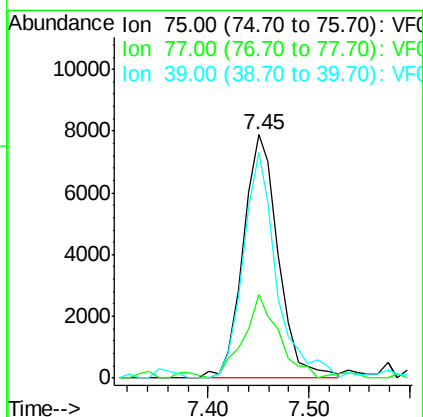
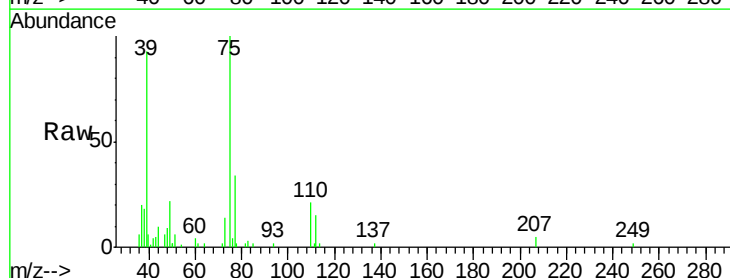
Tgt Ion: 75 Resp: 19062

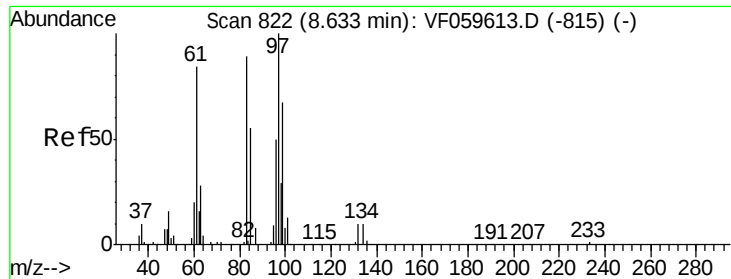
Ion Ratio Lower Upper

75 100

77 34.4 24.6 37.0

39 92.9 67.8 101.6





#55

1,1,2-Trichloroethane

Concen: 5.07 ug/l

RT: 8.63 min Scan# 822

Delta R.T. 0.00 min

Lab File: VF059610.D

Acq: 23 Jul 2018 12:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 97 Resp: 9222

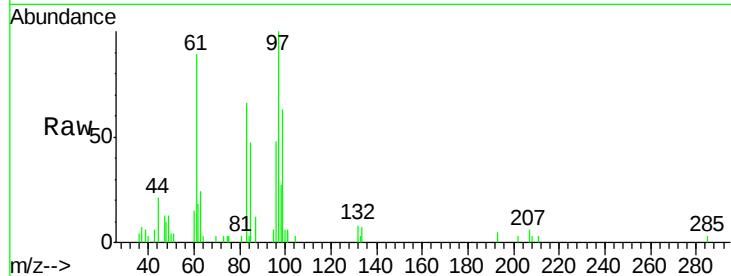
Ion Ratio Lower Upper

97 100

83 66.4 71.8 107.6#

85 47.5 43.9 65.9

99 62.6 53.5 80.3

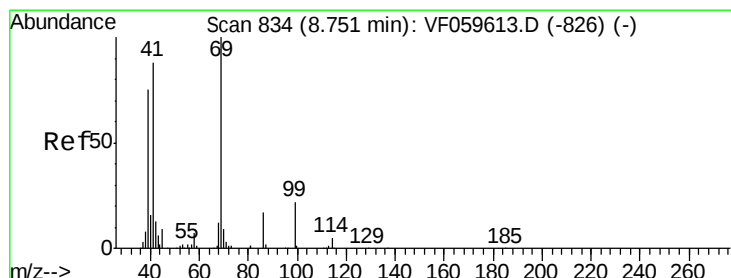
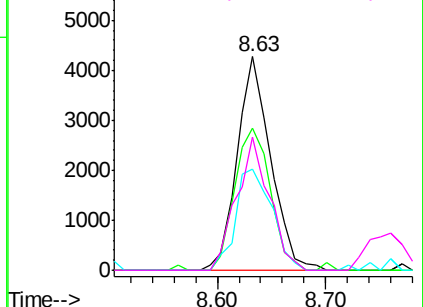
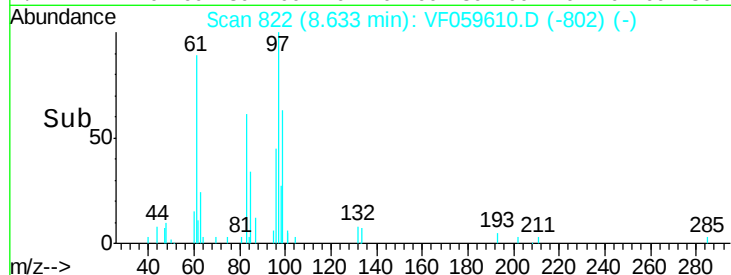


Abundance Ion 97.00 (96.70 to 97.70): VF059610.D (-802) (-)

Ion 82.95 (82.65 to 83.65): VF059610.D (-802) (-)

Ion 84.95 (84.65 to 85.65): VF059610.D (-802) (-)

Ion 98.95 (98.65 to 99.65): VF059610.D (-802) (-)



#56

Ethyl methacrylate

Concen: 4.51 ug/l

RT: 8.75 min Scan# 834

Delta R.T. 0.00 min

Lab File: VF059610.D

Acq: 23 Jul 2018 12:55

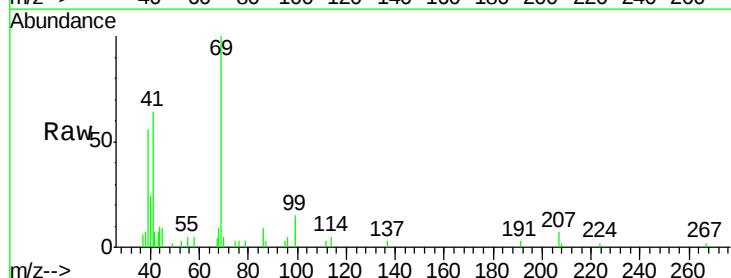
Tgt Ion: 69 Resp: 10032

Ion Ratio Lower Upper

69 100

41 63.8 70.8 106.2#

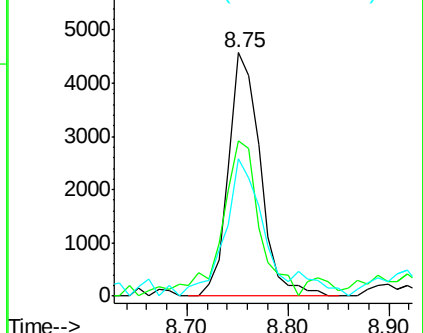
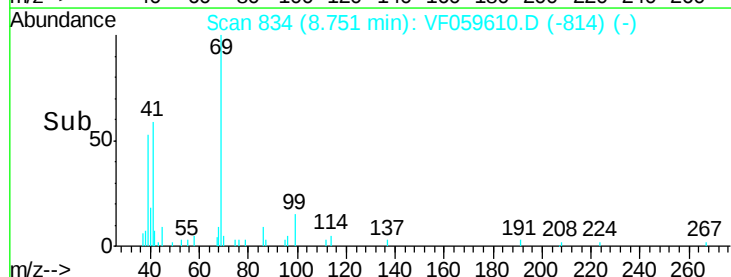
39 56.3 60.7 91.1#

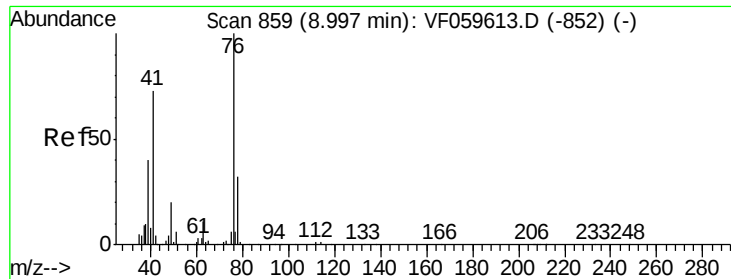


Abundance Ion 69.00 (68.70 to 69.70): VF059610.D (-814) (-)

Ion 41.00 (40.70 to 41.70): VF059610.D (-814) (-)

Ion 39.00 (38.70 to 39.70): VF059610.D (-814) (-)





#57

1,3-Dichloropropane

Concen: 5.00 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF059610.D

Acq: 23 Jul 2018 12:55

Instrument :

MSVOA_F

ClientSampleId :

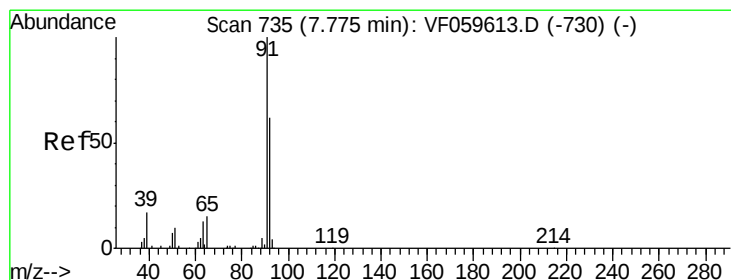
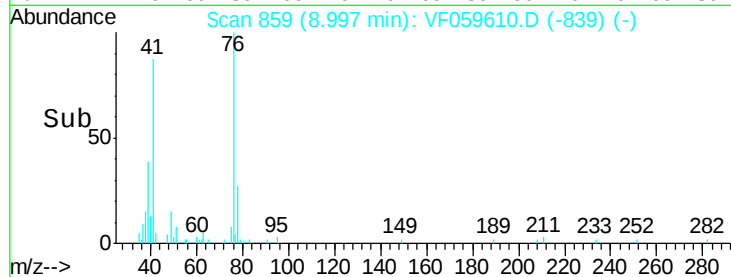
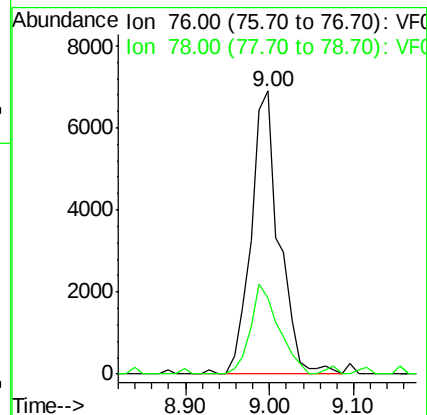
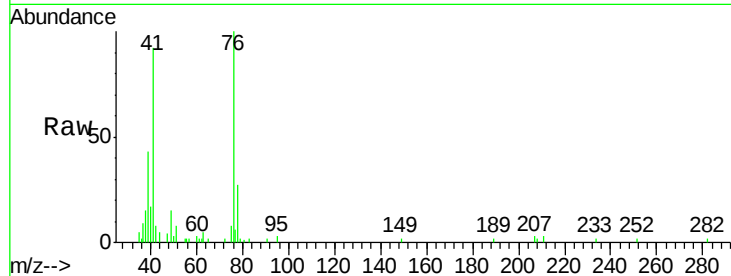
VSTDIC005

Tot Ion: 76 Resp: 16106

Ion Ratio Lower Upper

76 100

78 26.9 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 27.05 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF059610.D

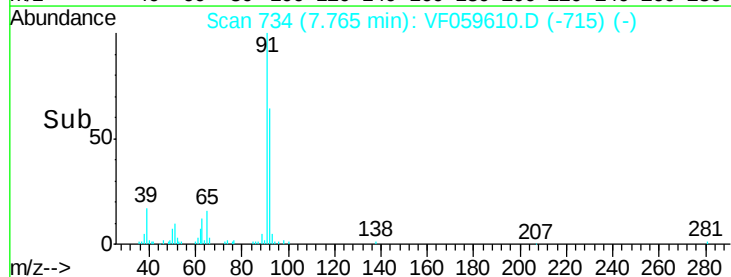
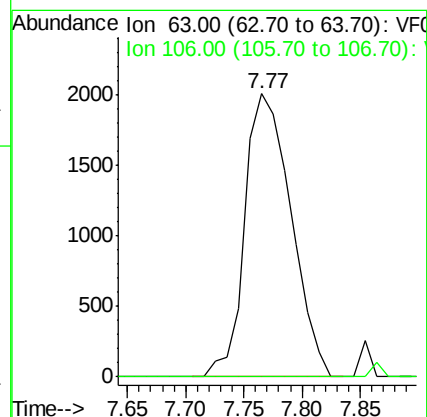
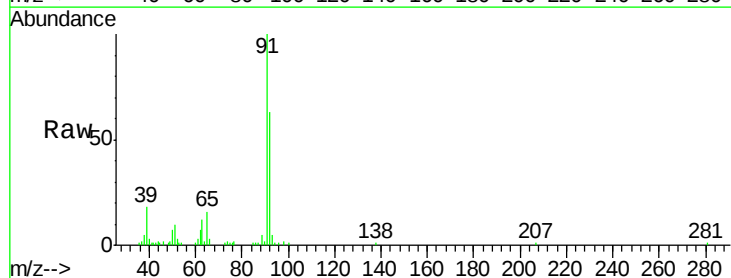
Acq: 23 Jul 2018 12:55

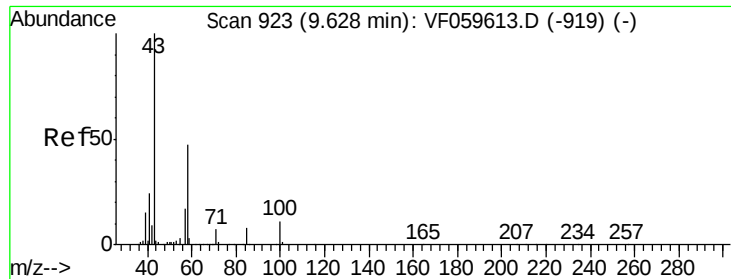
Tgt Ion: 63 Resp: 5536

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

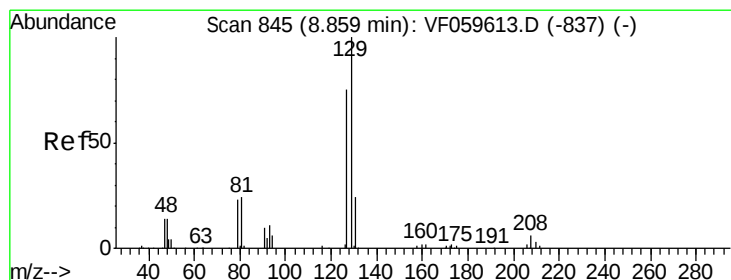
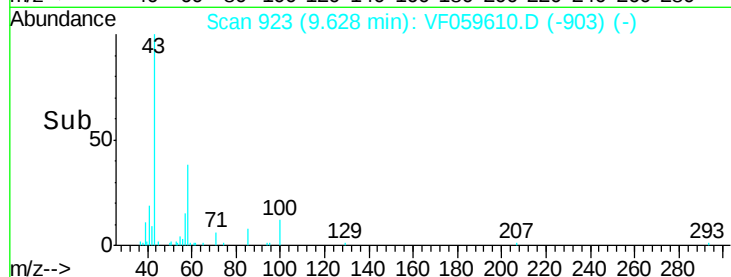
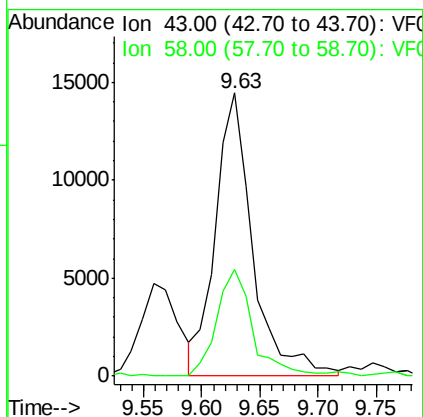
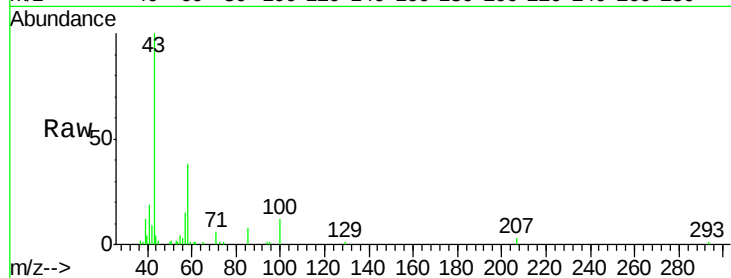




#59
2-Hexanone
Concen: 25.45 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF059610.D
Acq: 23 Jul 2018 12:55

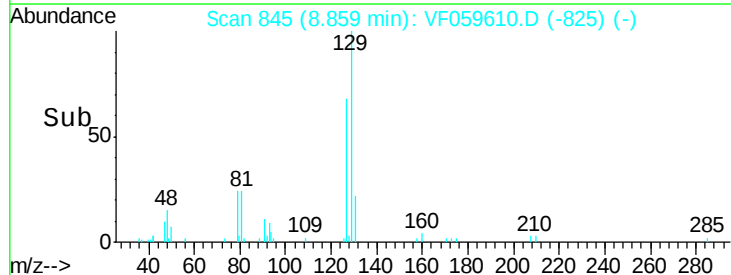
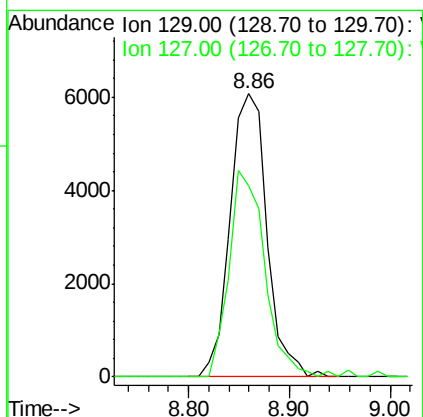
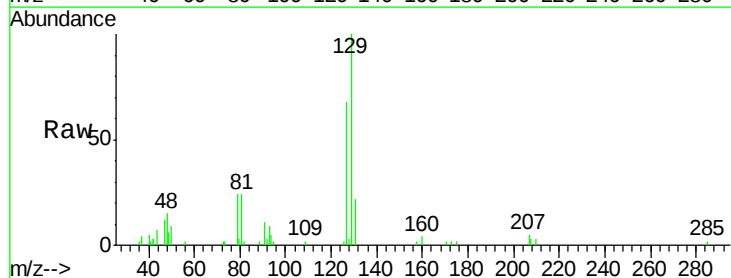
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

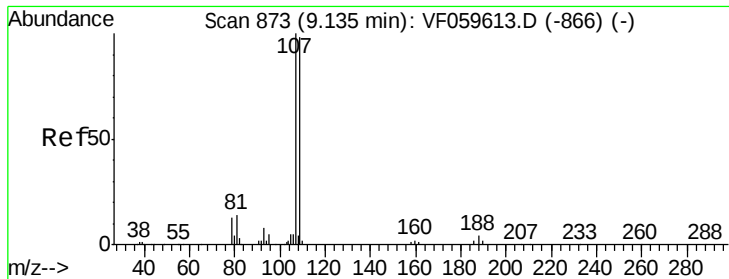
Tot Ion: 43 Resp: 32021
Ion Ratio Lower Upper
43 100
58 37.7 21.1 63.4



#60
Dibromochloromethane
Concen: 4.96 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF059610.D
Acq: 23 Jul 2018 12:55

Tgt Ion: 129 Resp: 15398
Ion Ratio Lower Upper
129 100
127 67.7 37.5 112.7





#61

1,2-Dibromoethane

Concen: 4.09 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF059610.D

Acq: 23 Jul 2018 12:55

Instrument :

MSVOA_F

ClientSampleId :

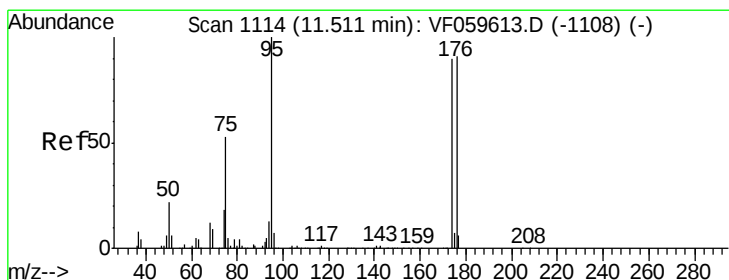
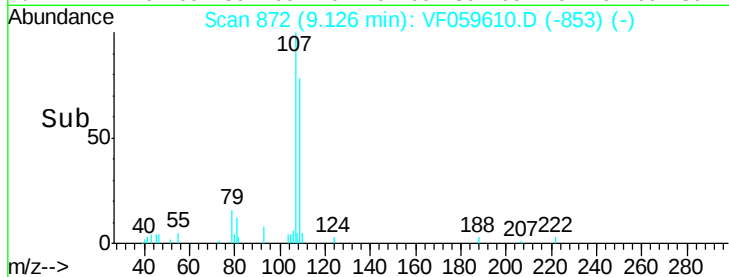
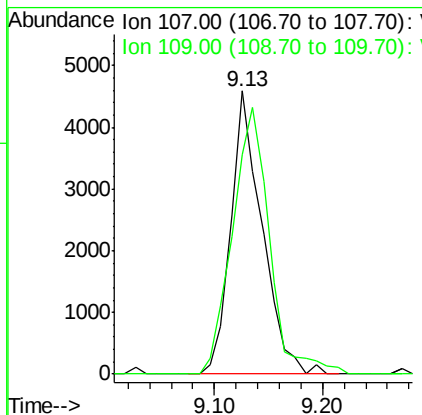
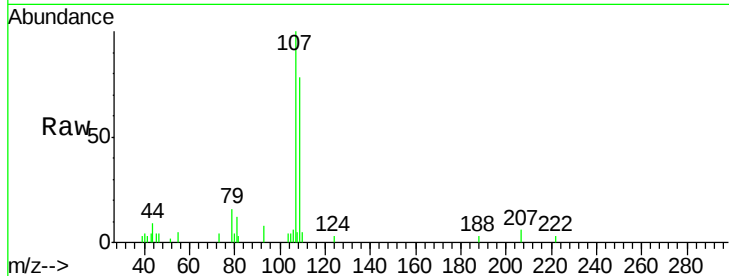
VSTDIC005

Tot Ion:107 Resp: 9262

Ion Ratio Lower Upper

107 100

109 77.5 78.2 117.4#



#62

4-Bromofluorobenzene

Concen: 5.46 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF059610.D

Acq: 23 Jul 2018 12:55

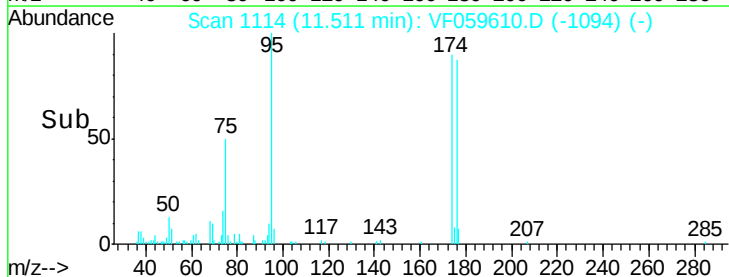
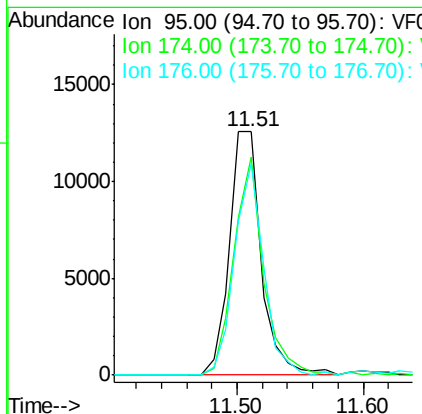
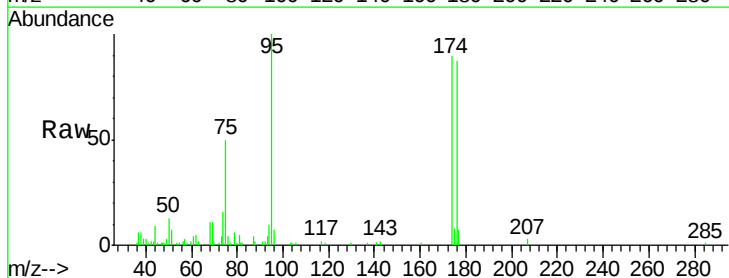
Tgt Ion: 95 Resp: 21866

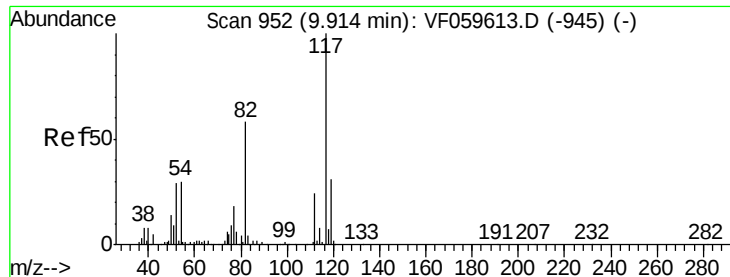
Ion Ratio Lower Upper

95 100

174 89.6 0.0 180.6

176 86.7 0.0 182.4

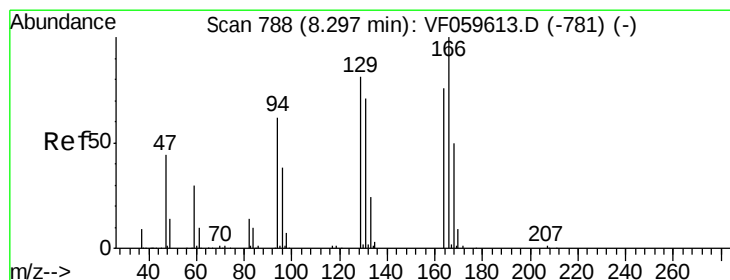
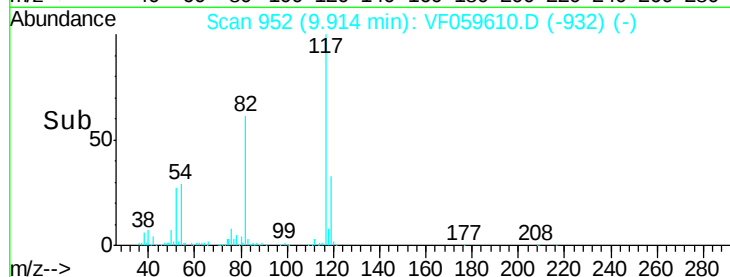
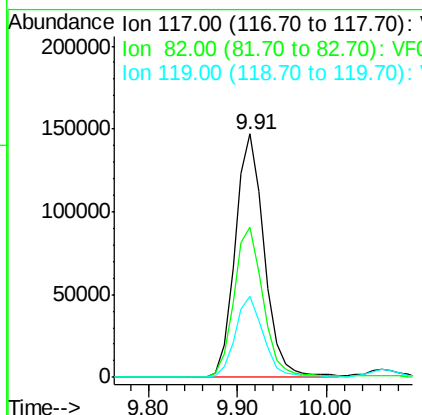
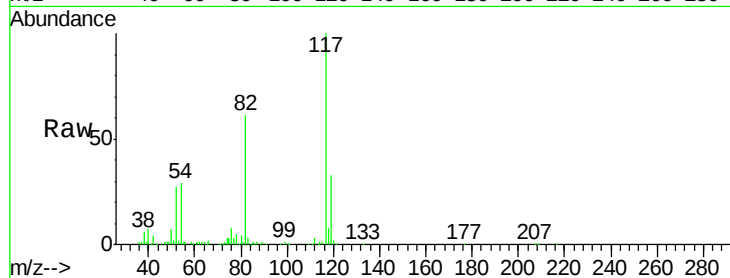




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059610.D
Acq: 23 Jul 2018 12:55

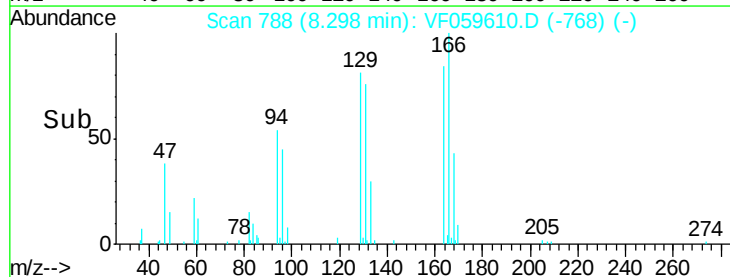
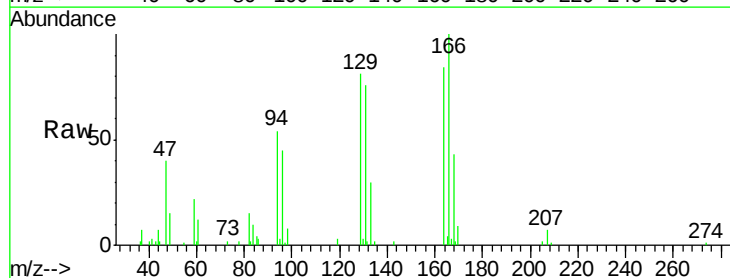
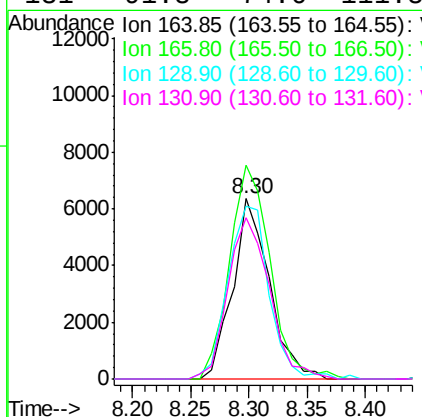
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

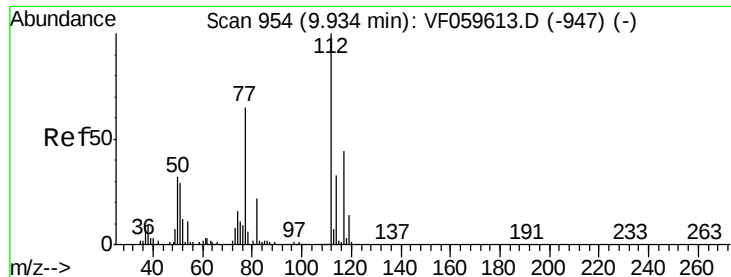
Tot Ion	Ratio	Lower	Upper
117	100		
82	61.5	46.5	69.7
119	33.1	24.4	36.6



#64
Tetrachloroethene
Concen: 5.57 ug/l
RT: 8.30 min Scan# 788
Delta R.T. 0.00 min
Lab File: VF059610.D
Acq: 23 Jul 2018 12:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	118.6	104.8	157.2
129	95.8	85.3	127.9
131	91.8	74.6	111.8

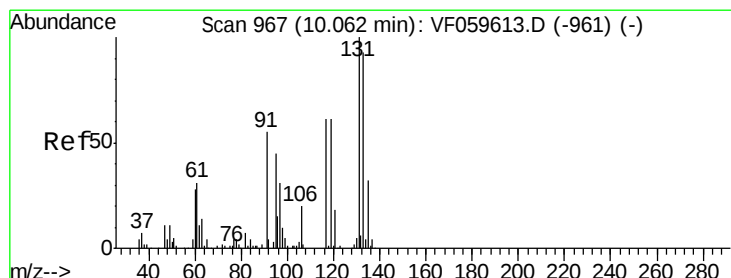
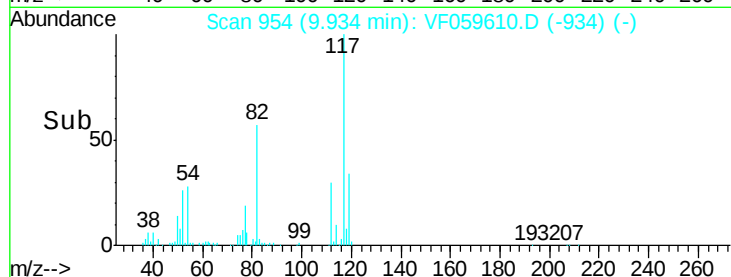
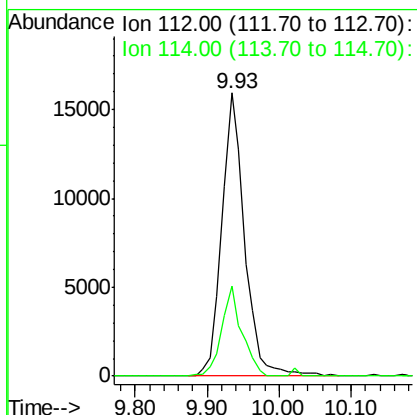
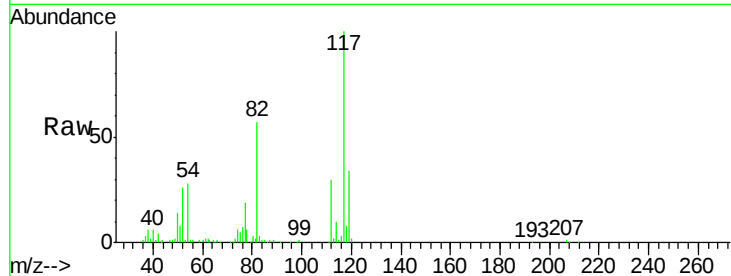




#65
Chlorobenzene
Concen: 5.51 ug/l
RT: 9.93 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF059610.D
Acq: 23 Jul 2018 12:55

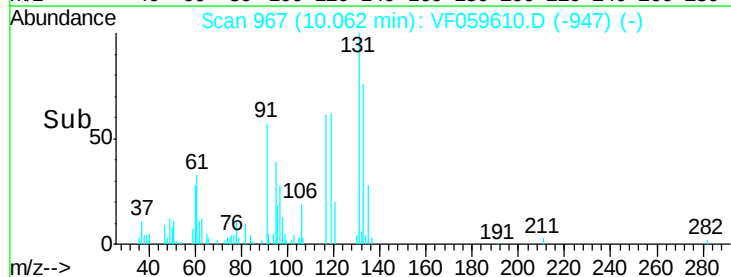
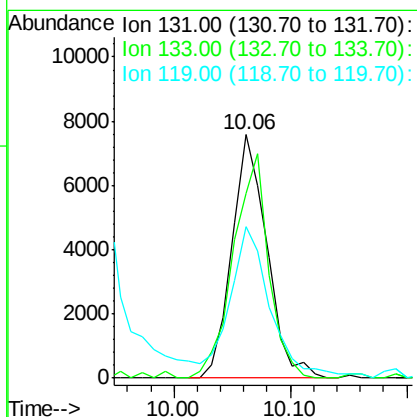
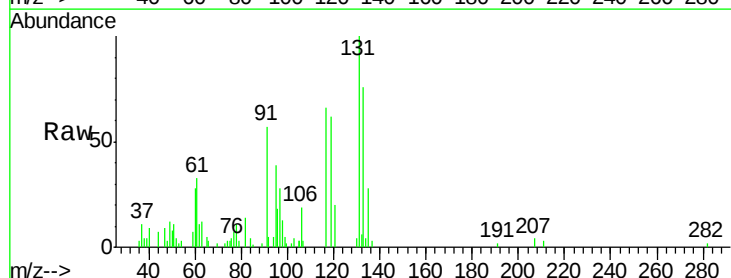
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

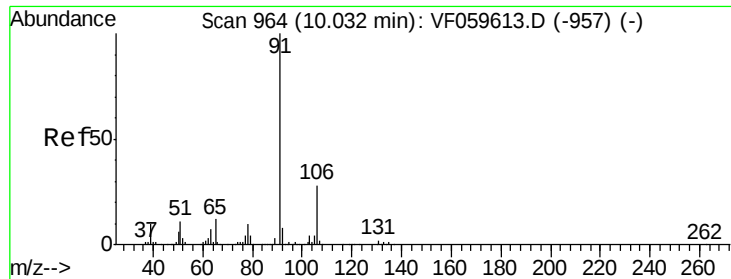
Tot Ion:112 Resp: 34753
Ion Ratio Lower Upper
112 100
114 32.1 26.8 40.2



#66
1,1,1,2-Tetrachloroethane
Concen: 5.50 ug/l
RT: 10.06 min Scan# 967
Delta R.T. 0.00 min
Lab File: VF059610.D
Acq: 23 Jul 2018 12:55

Tgt Ion:131 Resp: 15807
Ion Ratio Lower Upper
131 100
133 75.7 46.4 139.2
119 62.3 30.6 91.8





#67

Ethyl Benzene

Concen: 5.62 ug/l

RT: 10.03 min Scan# 964

Delta R.T. 0.00 min

Lab File: VF059610.D

Acq: 23 Jul 2018 12:55

Instrument :

MSVOA_F

ClientSampleId :

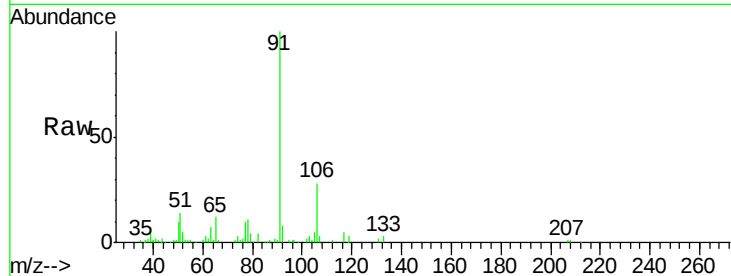
VSTDIC005

Tot Ion: 91 Resp: 62925

Ion Ratio Lower Upper

91 100

106 27.9 22.5 33.7

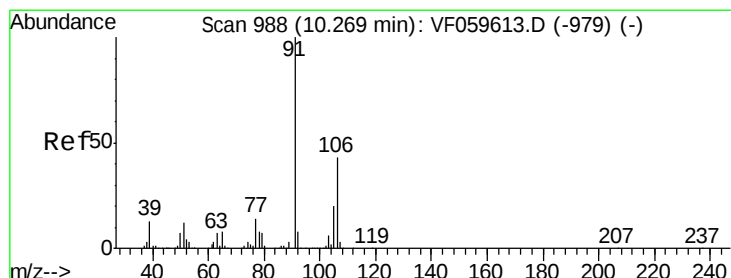
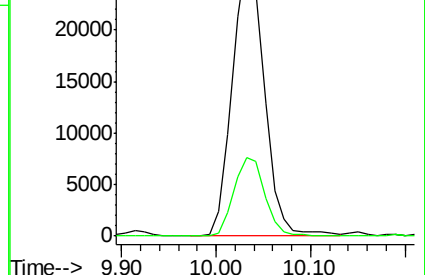
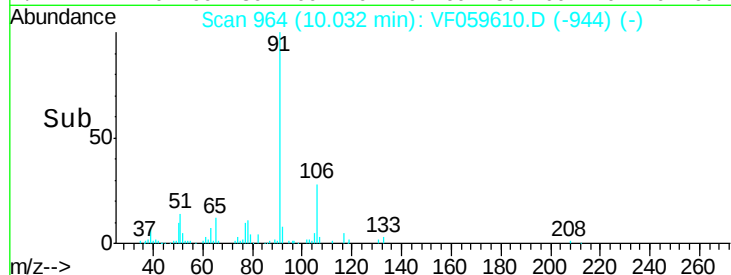


Abundance Ion 91.00 (90.70 to 91.70): VF059610.D (-944) (-)

Ion 106.00 (105.70 to 106.70): VF059610.D (-944) (-)

10.03

Time-->



#68

m/p-Xylenes

Concen: 10.20 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF059610.D

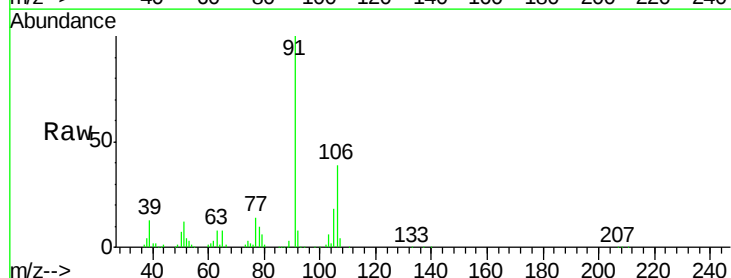
Acq: 23 Jul 2018 12:55

Tgt Ion: 106 Resp: 40085

Ion Ratio Lower Upper

106 100

91 254.3 187.0 280.4

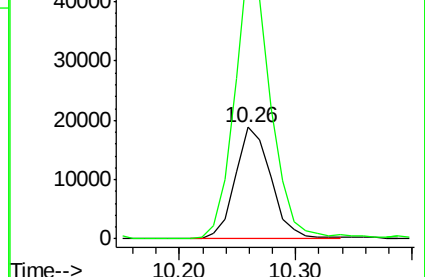
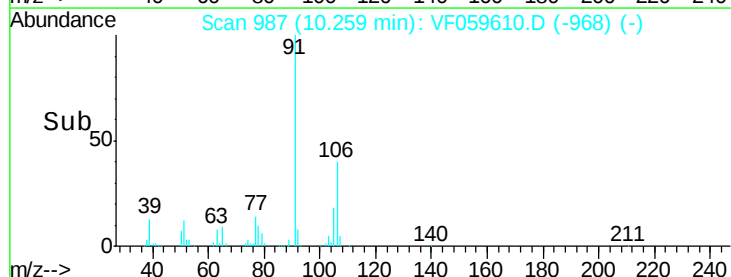


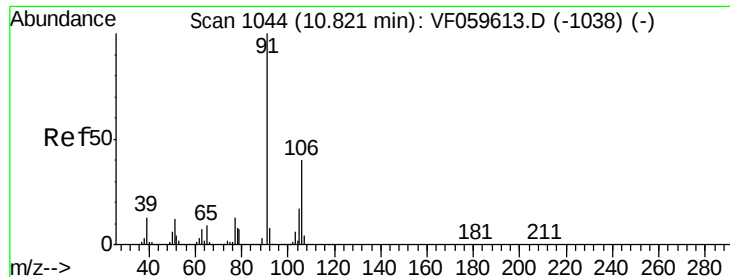
Abundance Ion 106.00 (105.70 to 106.70): VF059610.D (-968) (-)

Ion 91.00 (90.70 to 91.70): VF059610.D (-968) (-)

10.26

Time-->

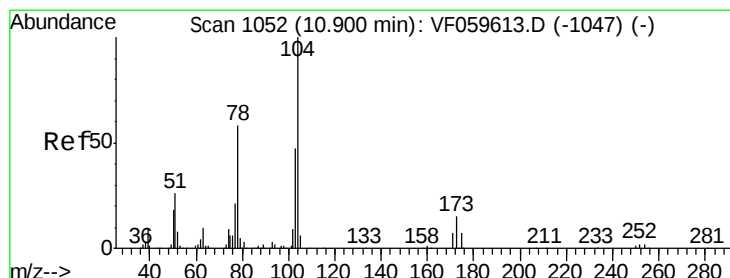
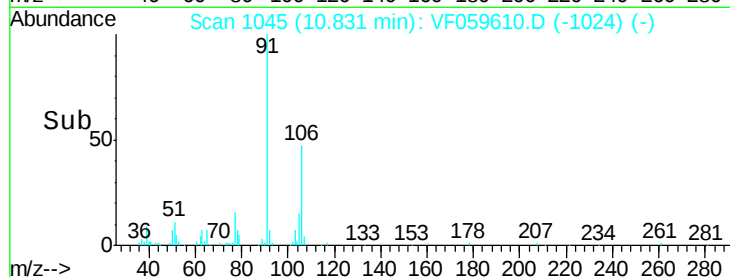
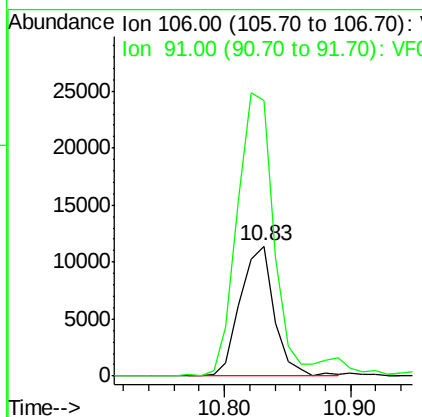
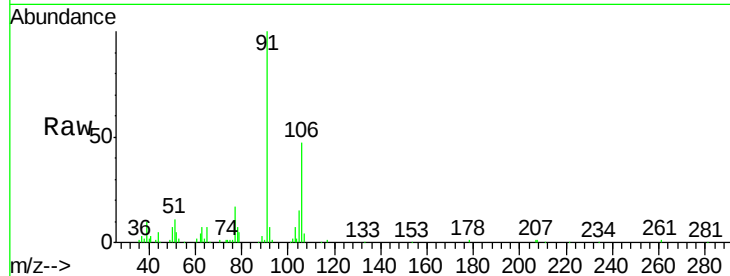




#69
o-Xylene
Concen: 5.07 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VF059610.D
Acq: 23 Jul 2018 12:55

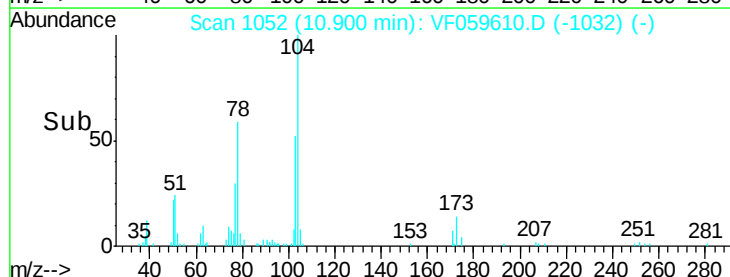
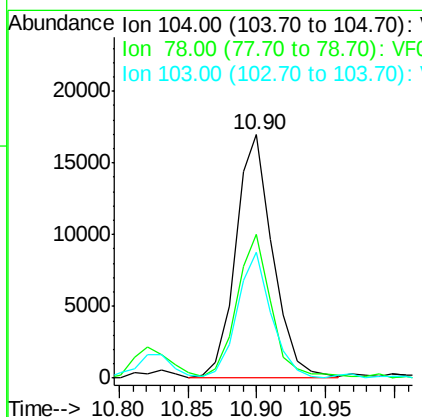
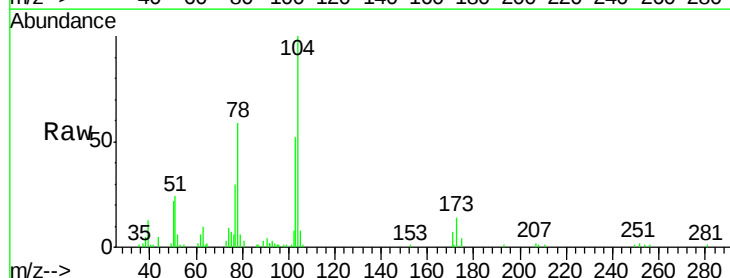
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

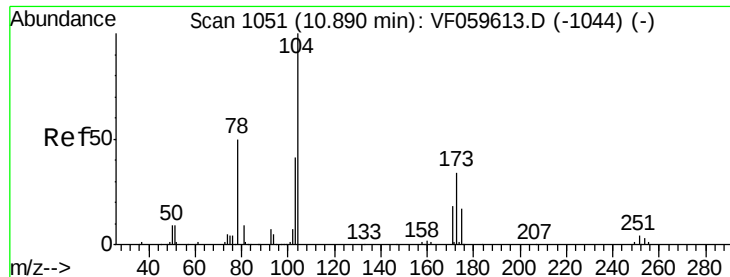
Tot Ion:106 Resp: 21425
Ion Ratio Lower Upper
106 100
91 211.5 125.8 377.3



#70
Styrene
Concen: 4.91 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059610.D
Acq: 23 Jul 2018 12:55

Tgt Ion:104 Resp: 31820
Ion Ratio Lower Upper
104 100
78 58.9 47.4 71.2
103 51.6 38.8 58.2





#71

Bromoform

Concen: 5.33 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF059610.D

Acq: 23 Jul 2018 12:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

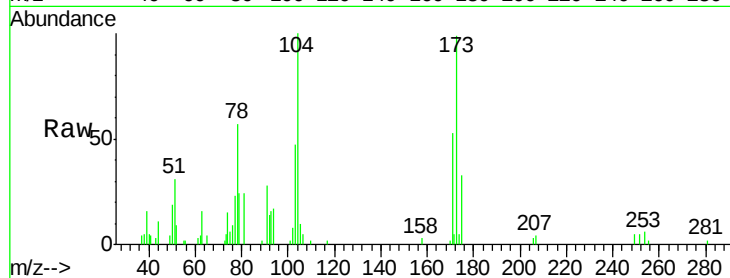
Tot Ion:173 Resp: 10378

Ion Ratio Lower Upper

173 100

175 33.5 25.1 75.2

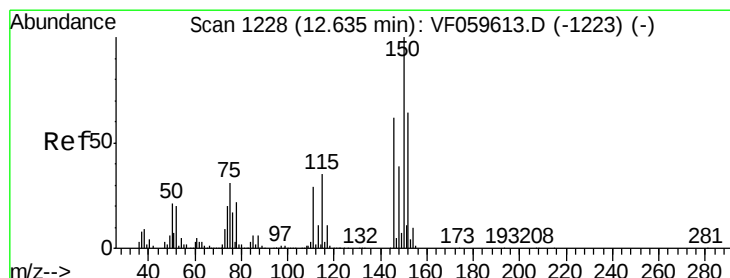
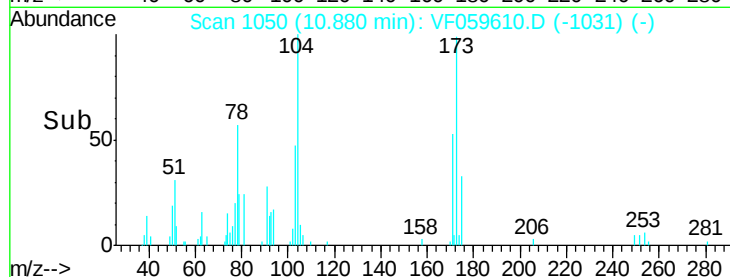
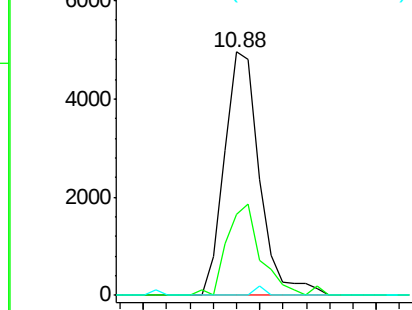
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70):

Ion 175.00 (174.70 to 175.70):

Ion 254.00 (253.70 to 254.70):



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.62 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF059610.D

Acq: 23 Jul 2018 12:55

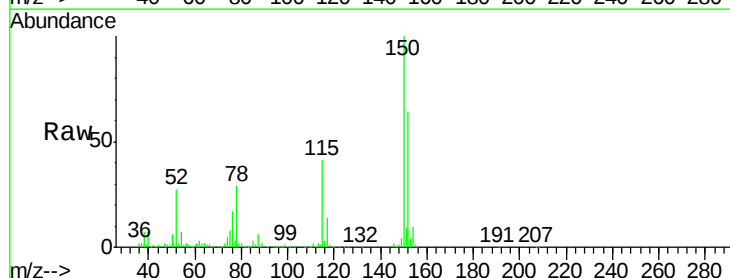
Tgt Ion:152 Resp: 223143

Ion Ratio Lower Upper

152 100

115 63.0 27.8 83.4

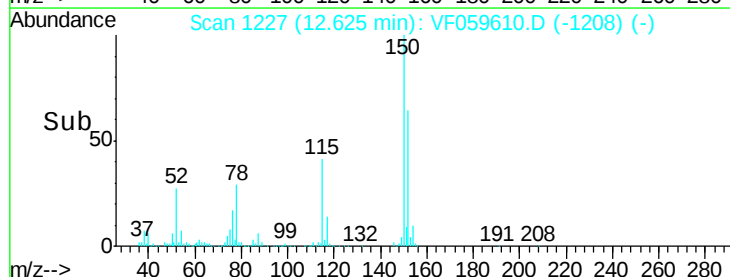
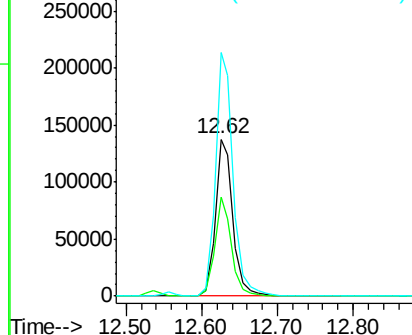
150 155.3 0.0 314.6

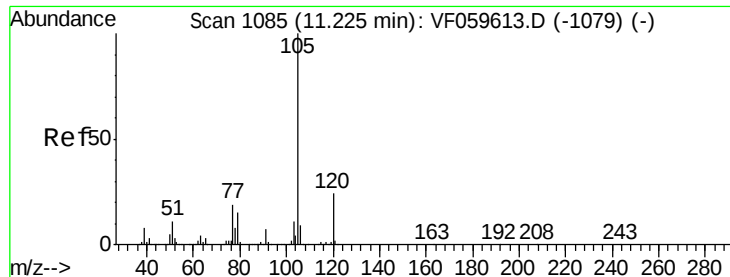


Abundance Ion 152.00 (151.70 to 152.70):

Ion 115.00 (114.70 to 115.70):

Ion 150.00 (149.70 to 150.70):





#73

Isopropylbenzene

Concen: 4.88 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059610.D

Acq: 23 Jul 2018 12:55

Instrument :

MSVOA_F

ClientSampleId :

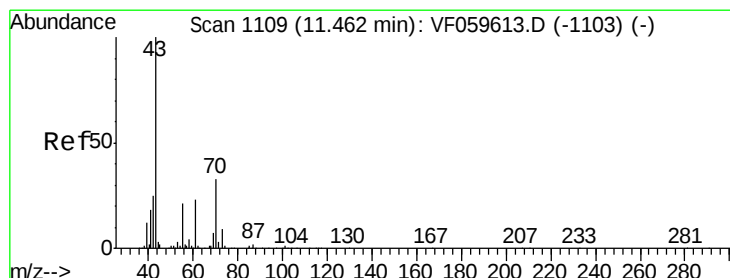
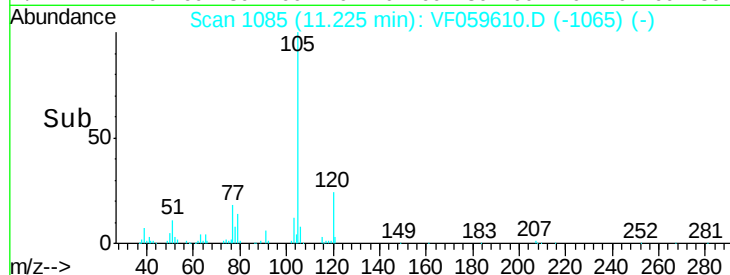
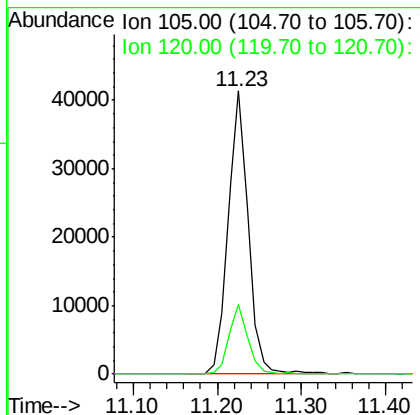
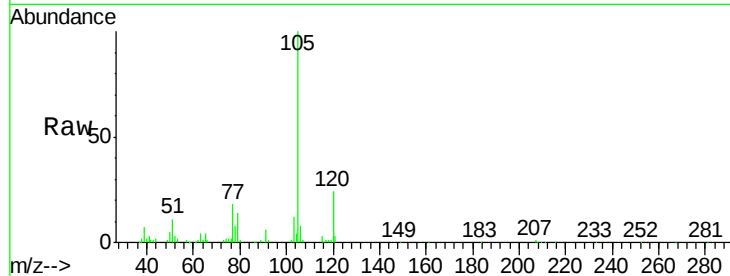
VSTDIC005

Tot Ion:105 Resp: 68549

Ion Ratio Lower Upper

105 100

120 24.5 11.8 35.4



#74

N-ethyl acetate

Concen: 3.51 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059610.D

Acq: 23 Jul 2018 12:55

Tgt Ion: 43 Resp: 15147

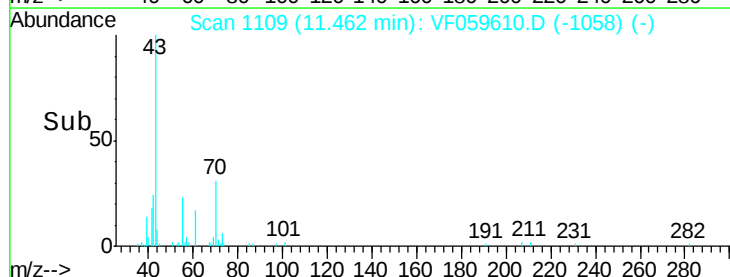
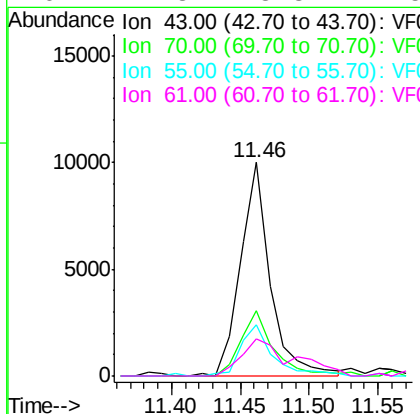
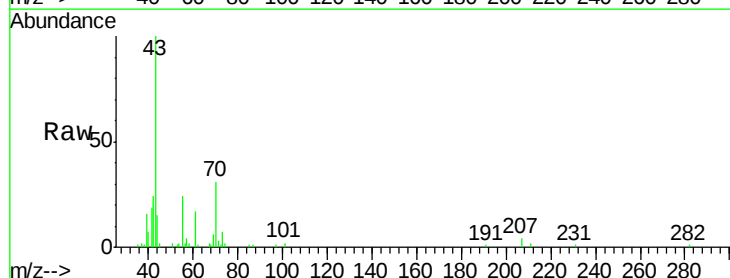
Ion Ratio Lower Upper

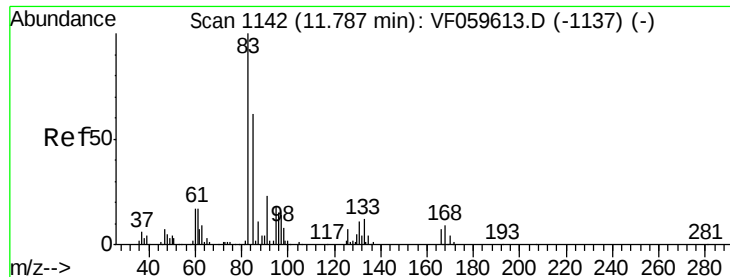
43 100

70 30.7 26.6 40.0

55 24.0 17.0 25.6

61 17.3 18.3 27.5#





#75

1,1,2,2-Tetrachloroethane

Concen: 4.50 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059610.D

Acq: 23 Jul 2018 12:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

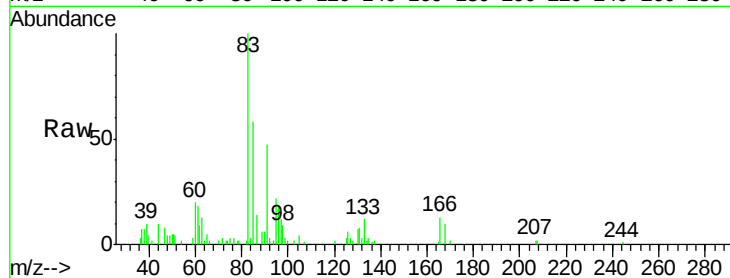
Tot Ion: 83 Resp: 13315

Ion Ratio Lower Upper

83 100

131 7.6 5.7 17.0

85 58.1 31.1 93.3

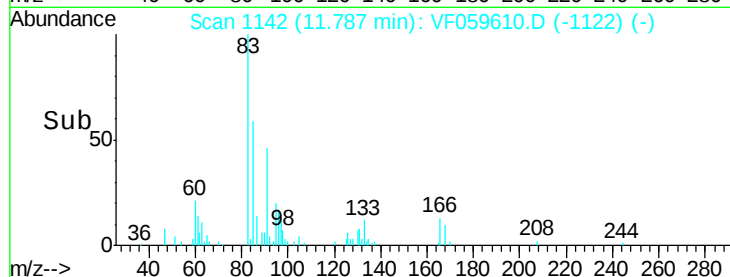


Abundance Ion 83.00 (82.70 to 83.70): VF059610.D (-1137) (-)

Ion 131.00 (130.70 to 131.70): VF059610.D (-1137) (-)

Ion 85.00 (84.70 to 85.70): VF059610.D (-1137) (-)

Time--> 11.70 11.75 11.80 11.85

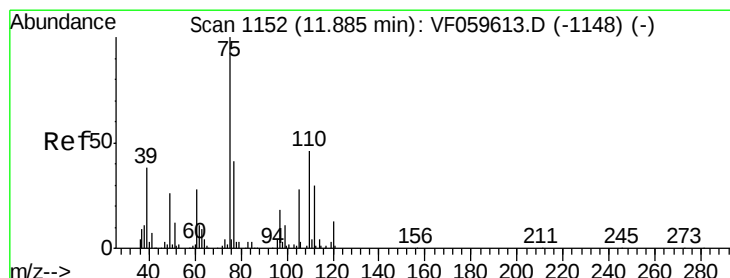


Abundance Ion 83.00 (82.70 to 83.70): VF059610.D (-1122) (-)

Ion 131.00 (130.70 to 131.70): VF059610.D (-1122) (-)

Ion 85.00 (84.70 to 85.70): VF059610.D (-1122) (-)

Time--> 11.70 11.75 11.80 11.85



#76

1,2,3-Trichloropropane

Concen: 4.74 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF059610.D

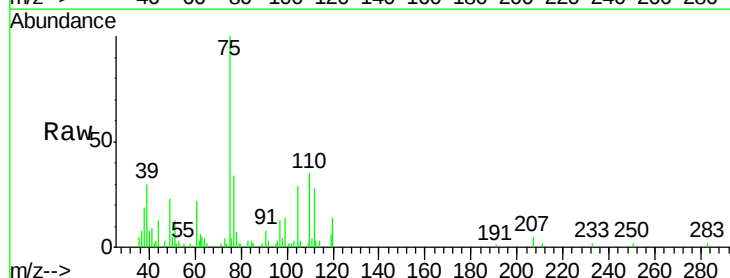
Acq: 23 Jul 2018 12:55

Tgt Ion: 75 Resp: 11490

Ion Ratio Lower Upper

75 100

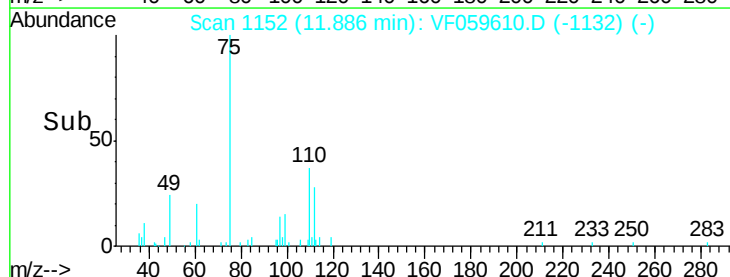
77 34.4 20.9 62.8



Abundance Ion 75.00 (74.70 to 75.70): VF059610.D (-1148) (-)

Ion 77.00 (76.70 to 77.70): VF059610.D (-1148) (-)

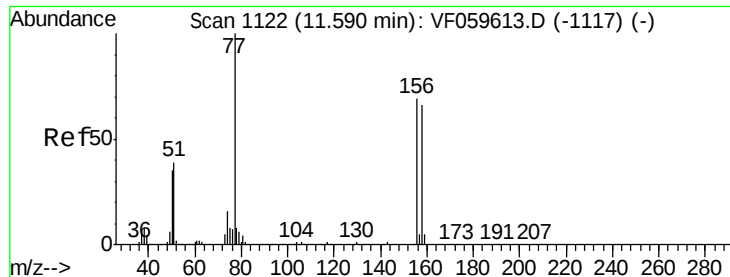
Time--> 11.85 11.90 11.95



Abundance Ion 75.00 (74.70 to 75.70): VF059610.D (-1132) (-)

Ion 77.00 (76.70 to 77.70): VF059610.D (-1132) (-)

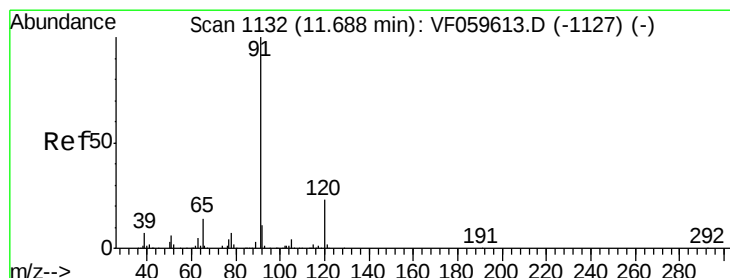
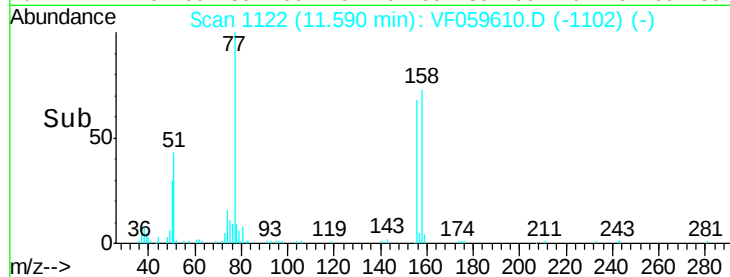
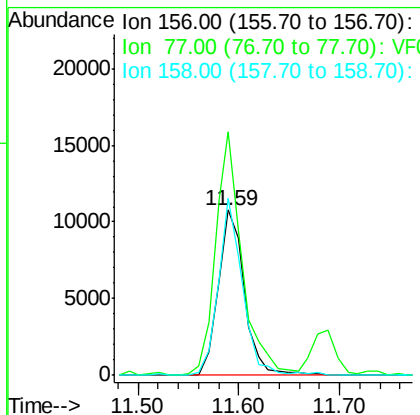
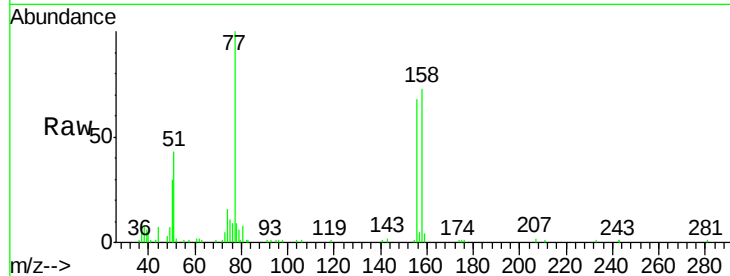
Time--> 11.85 11.90 11.95



#77
Bromobenzene
Concen: 5.01 ug/l
RT: 11.59 min Scan# 1122
Delta R.T. 0.00 min
Lab File: VF059610.D
Acq: 23 Jul 2018 12:55

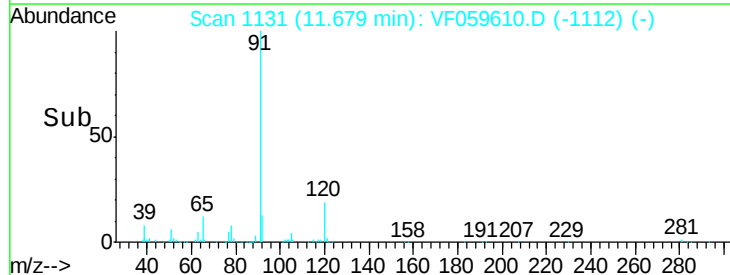
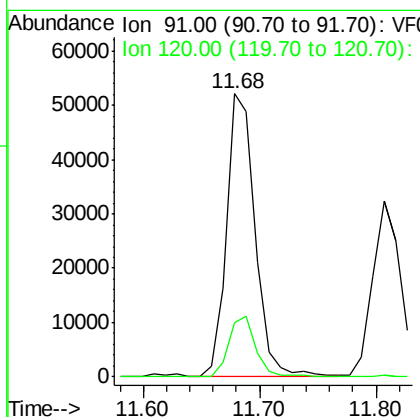
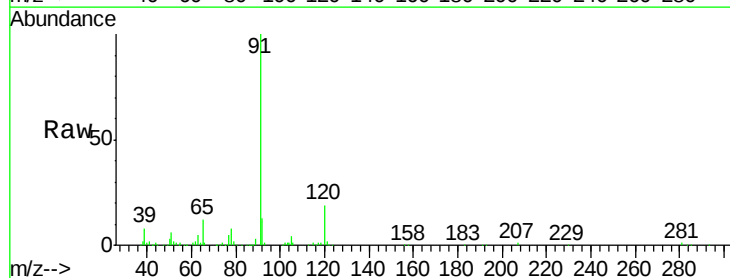
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

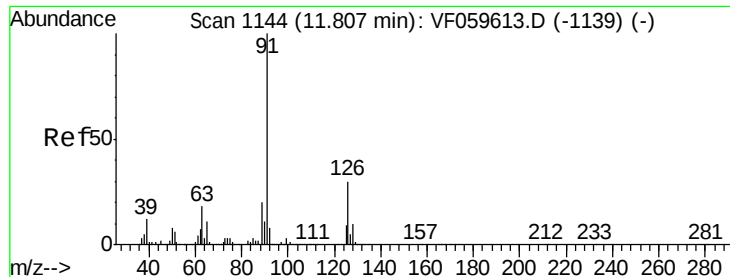
Tot Ion:156 Resp: 19501
Ion Ratio Lower Upper
156 100
77 147.2 72.1 216.3
158 107.3 47.3 141.9



#78
n-propylbenzene
Concen: 5.44 ug/l
RT: 11.68 min Scan# 1131
Delta R.T. -0.01 min
Lab File: VF059610.D
Acq: 23 Jul 2018 12:55

Tgt Ion: 91 Resp: 88355
Ion Ratio Lower Upper
91 100
120 19.1 11.6 34.7

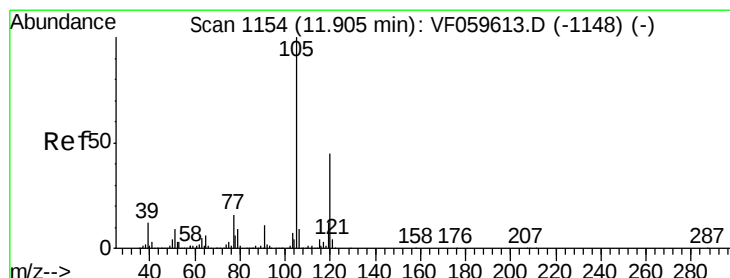
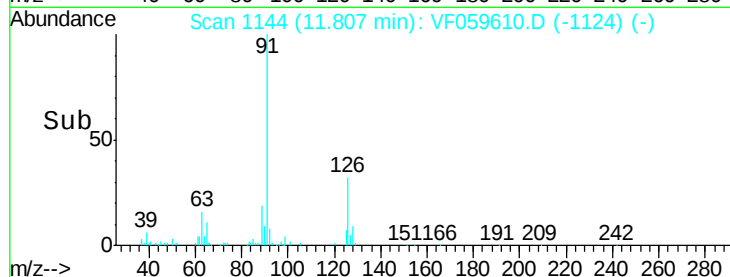
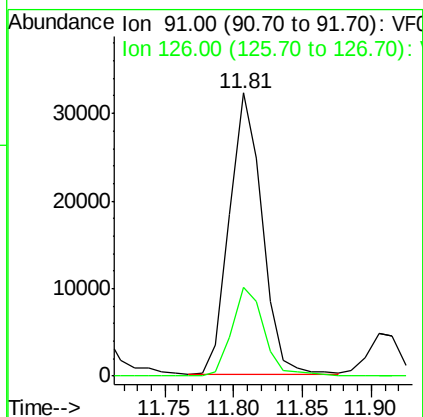
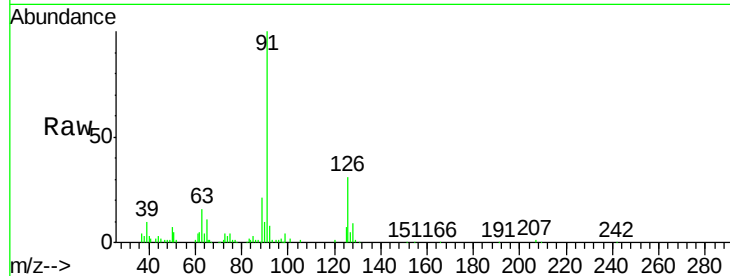




#79
 2-Chlorotoluene
 Concen: 5.30 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VF059610.D
 Acq: 23 Jul 2018 12:55

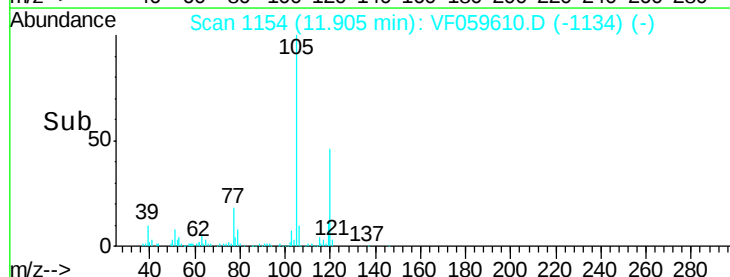
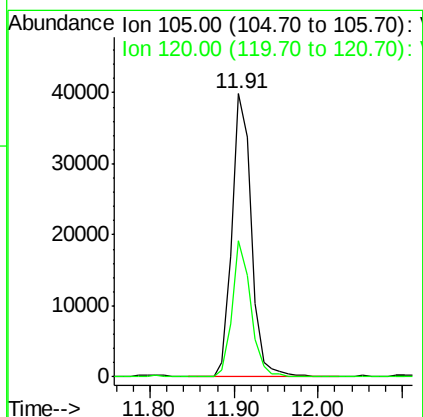
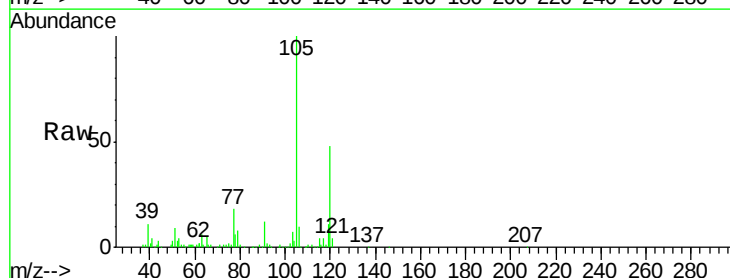
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

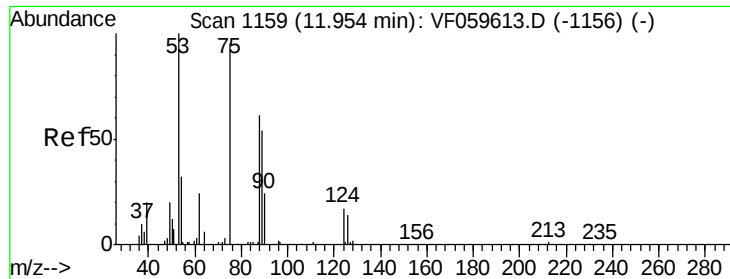
Tot Ion: 91 Resp: 52783
 Ion Ratio Lower Upper
 91 100
 126 31.4 15.1 45.3



#80
 1,3,5-Trimethylbenzene
 Concen: 5.40 ug/l
 RT: 11.91 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VF059610.D
 Acq: 23 Jul 2018 12:55

Tgt Ion: 105 Resp: 64104
 Ion Ratio Lower Upper
 105 100
 120 48.1 22.4 67.0





#81

trans-1,4-Dichloro-2-butene

Concen: 5.28 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059610.D

Acq: 23 Jul 2018 12:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

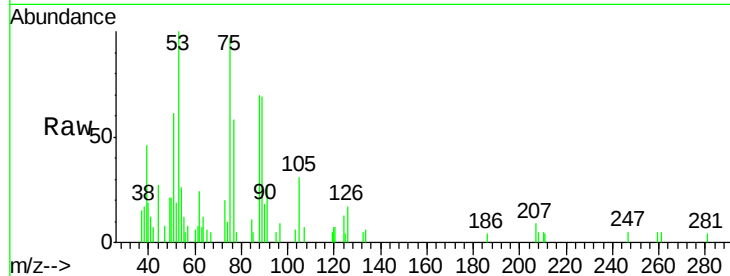
Tot Ion: 75 Resp: 6106

Ion Ratio Lower Upper

75 100

53 103.4 86.4 129.6

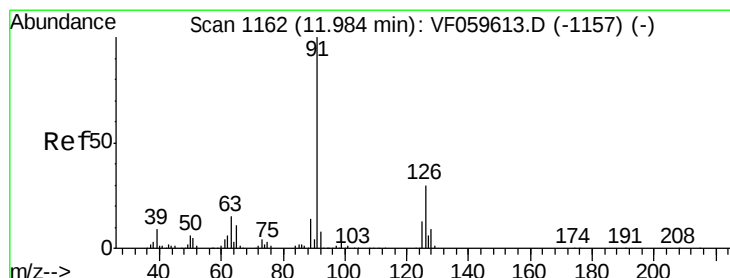
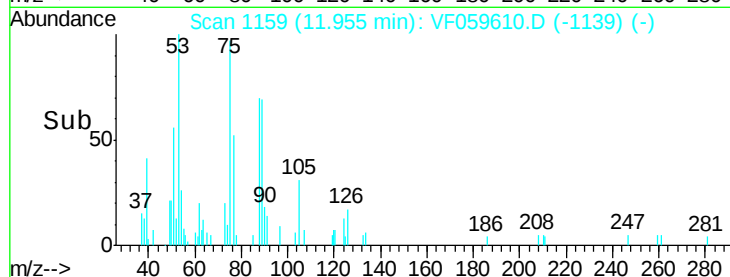
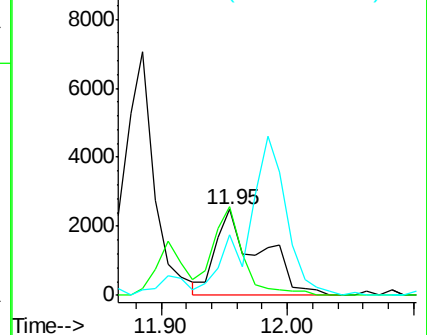
89 71.1 46.8 70.2#



Abundance Ion 75.00 (74.70 to 75.70): VF059610.D (-1156) (-)

Ion 53.00 (52.70 to 53.70): VF059610.D (-1156) (-)

Ion 89.00 (88.70 to 89.70): VF059610.D (-1156) (-)



#82

4-Chlorotoluene

Concen: 5.36 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF059610.D

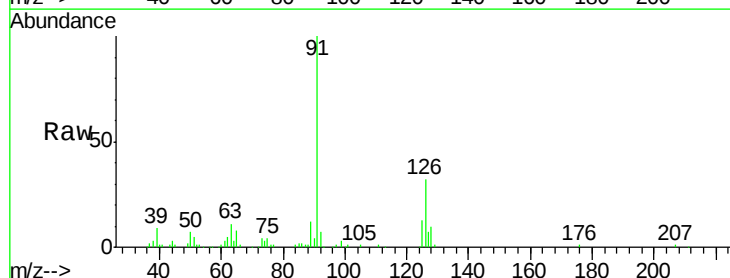
Acq: 23 Jul 2018 12:55

Tgt Ion: 91 Resp: 59331

Ion Ratio Lower Upper

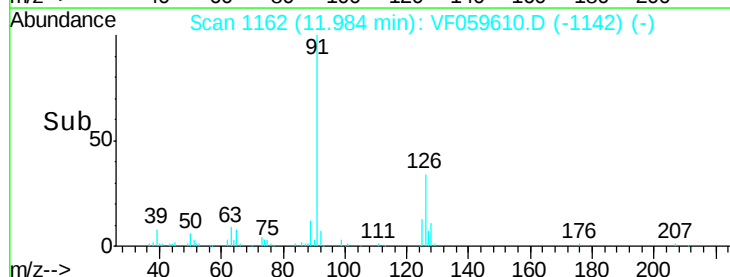
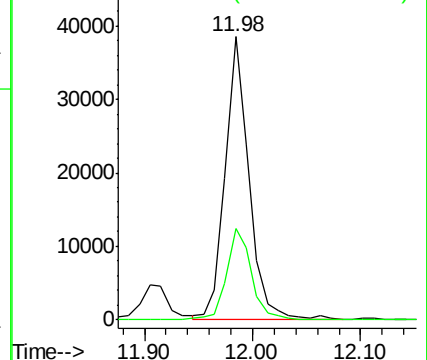
91 100

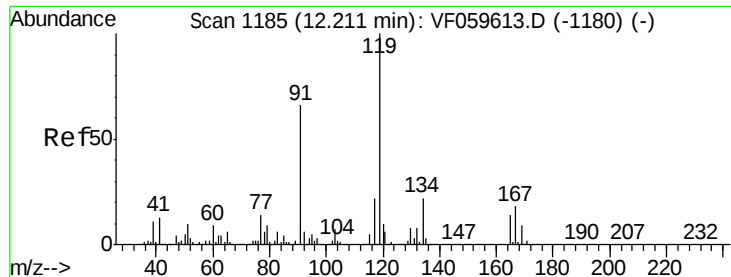
126 32.1 14.7 44.1



Abundance Ion 91.00 (90.70 to 91.70): VF059610.D (-1157) (-)

Ion 126.00 (125.70 to 126.70): VF059610.D (-1157) (-)





#83

tert-Butylbenzene

Concen: 5.56 ug/l

RT: 12.21 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VF059610.D

Acq: 23 Jul 2018 12:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

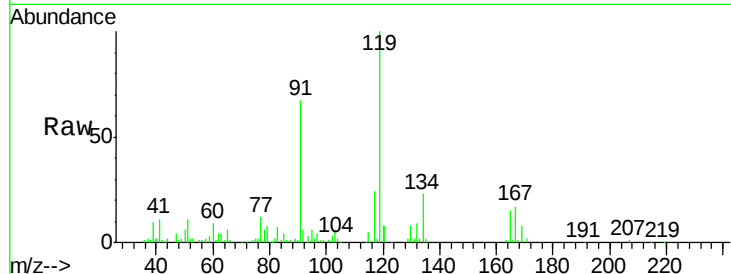
Tot Ion:119 Resp: 63534

Ion Ratio Lower Upper

119 100

91 67.1 33.2 99.6

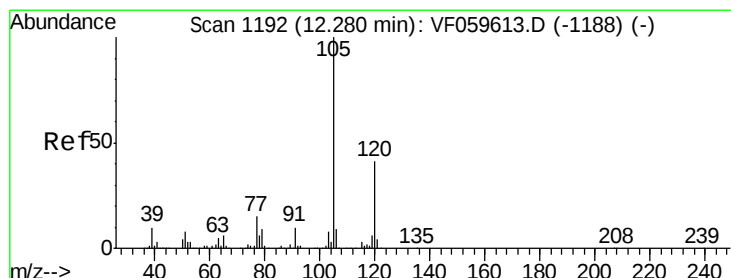
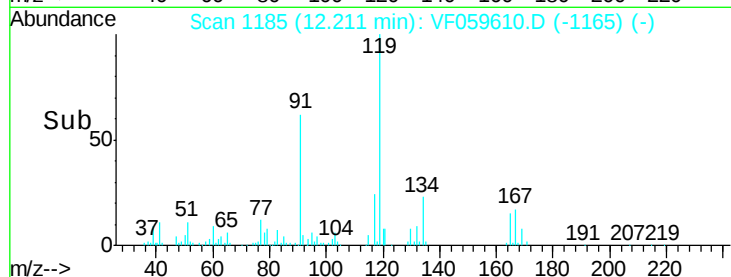
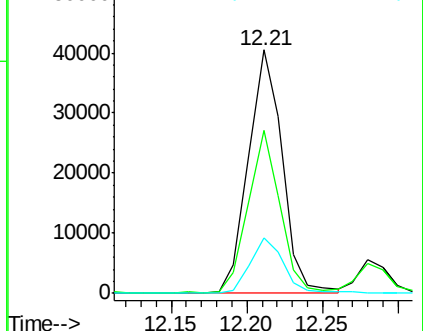
134 22.8 10.9 32.6



Abundance Ion 119.00 (118.70 to 119.70):

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70):



#84

1,2,4-Trimethylbenzene

Concen: 5.44 ug/l

RT: 12.28 min Scan# 1192

Delta R.T. 0.00 min

Lab File: VF059610.D

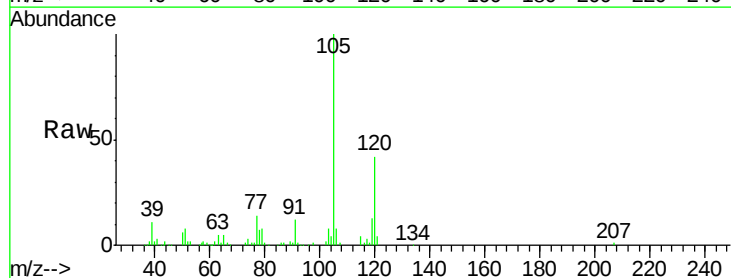
Acq: 23 Jul 2018 12:55

Tgt Ion:105 Resp: 66647

Ion Ratio Lower Upper

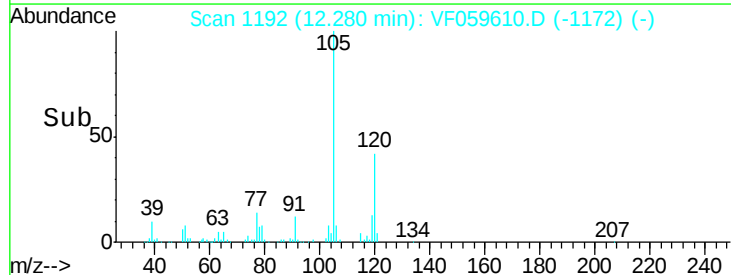
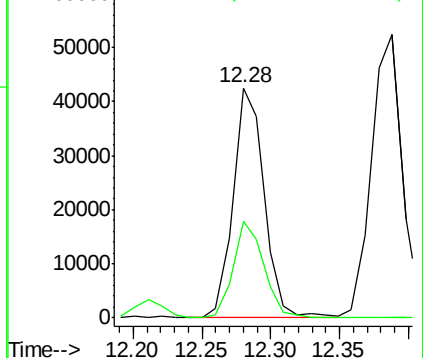
105 100

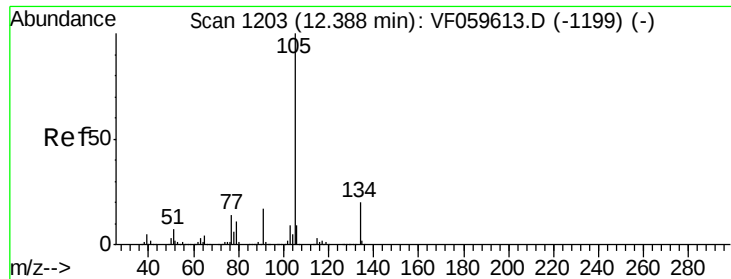
120 41.9 20.4 61.3



Abundance Ion 105.00 (104.70 to 105.70):

Ion 120.00 (119.70 to 120.70):

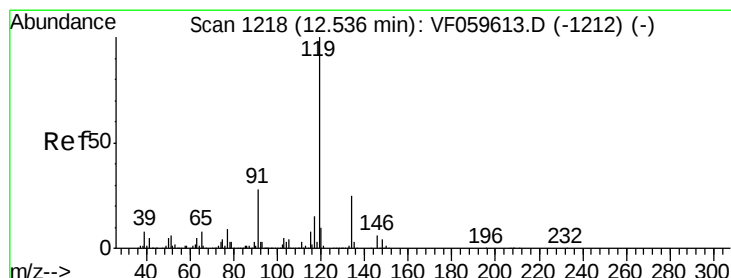
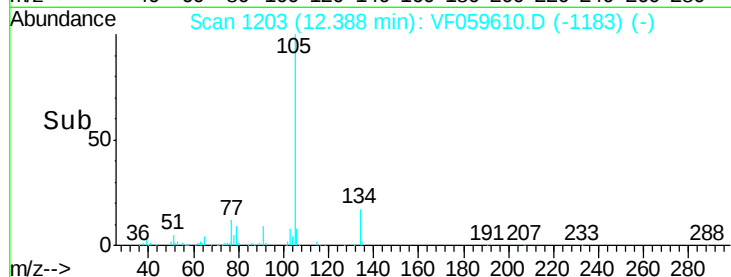
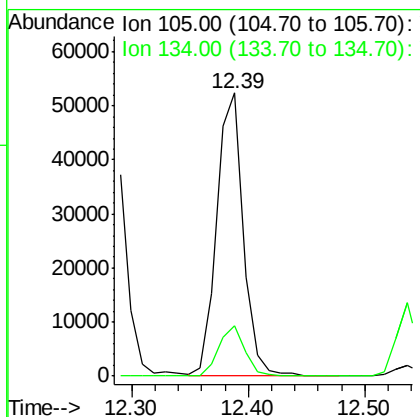
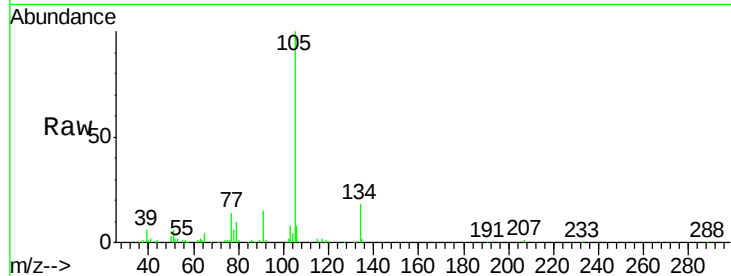




#85
 sec-Butylbenzene
 Concen: 5.68 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: VF059610.D
 Acq: 23 Jul 2018 12:55

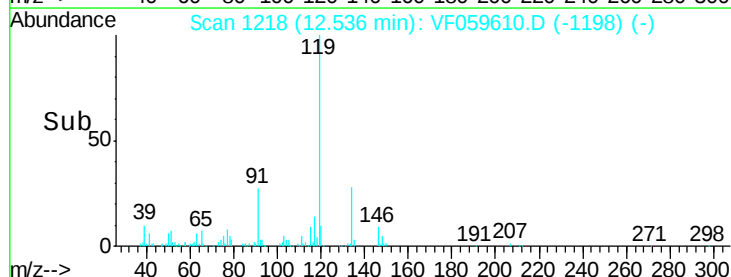
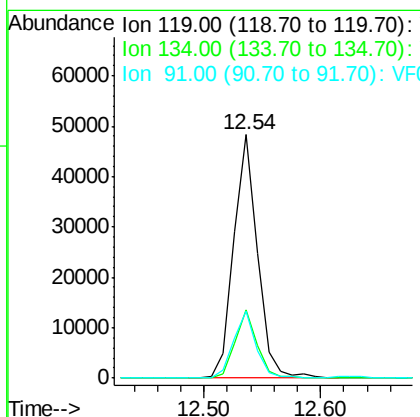
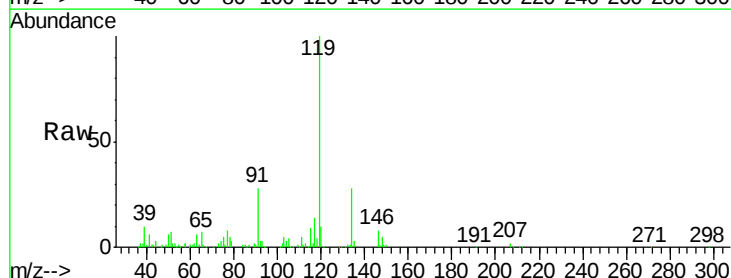
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

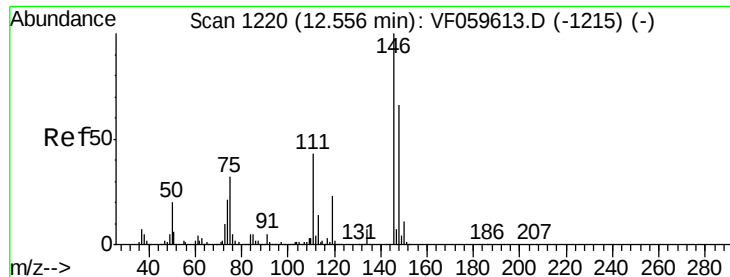
Tot Ion:105 Resp: 82927
 Ion Ratio Lower Upper
 105 100
 134 17.8 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 5.33 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF059610.D
 Acq: 23 Jul 2018 12:55

Tgt Ion:119 Resp: 68173
 Ion Ratio Lower Upper
 119 100
 134 27.9 12.4 37.2
 91 27.5 13.9 41.7

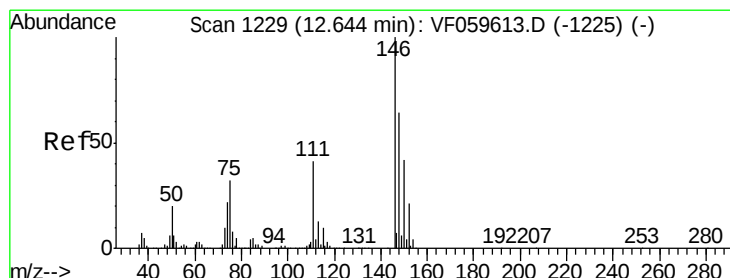
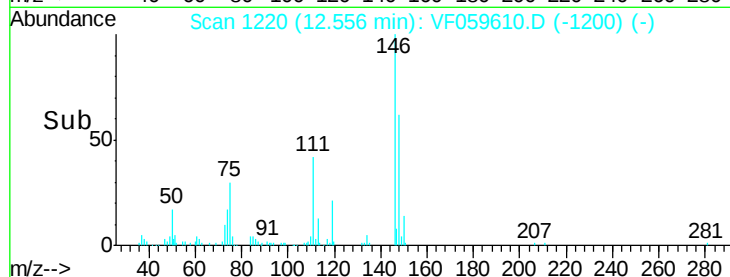
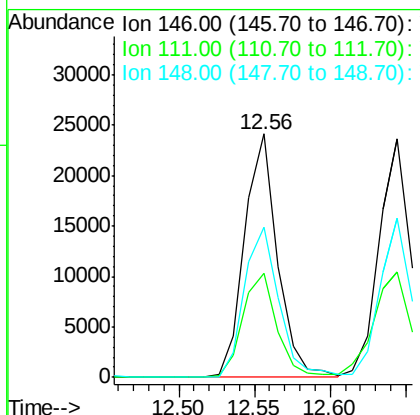
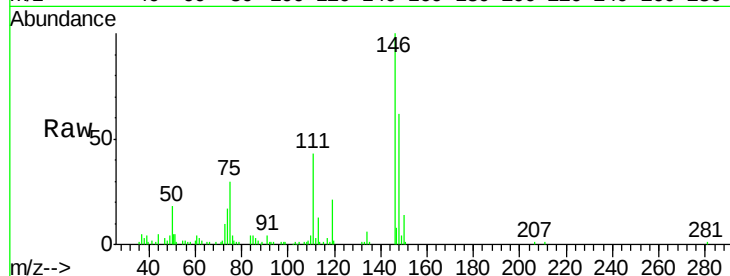




#87
 1,3-Dichlorobenzene
 Concen: 5.42 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059610.D
 Acq: 23 Jul 2018 12:55

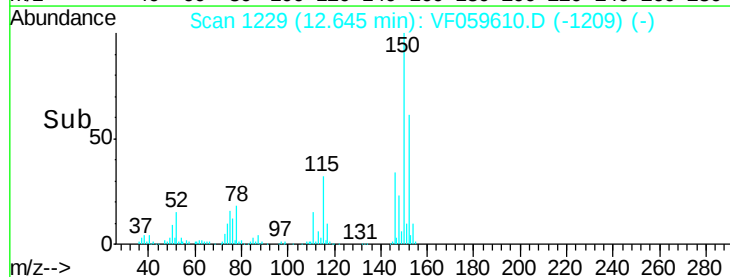
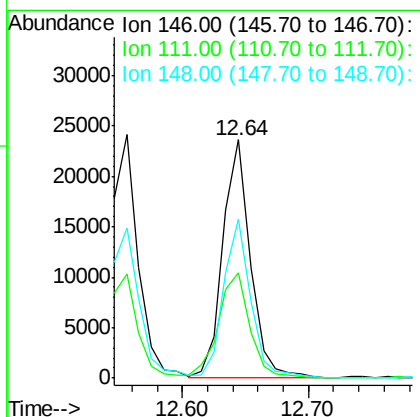
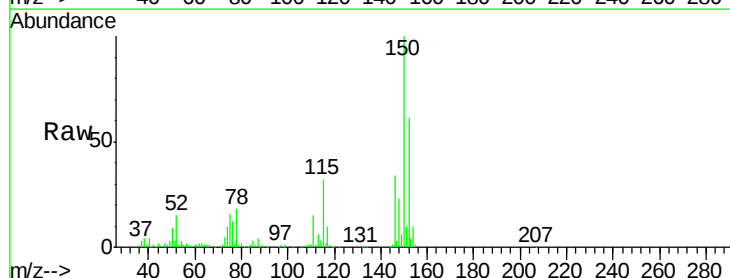
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

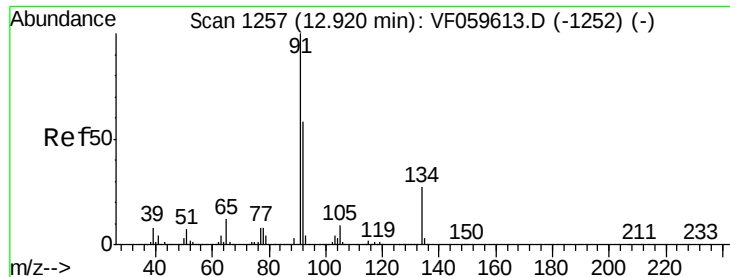
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.6	64.8
148	61.7	33.1	99.3



#88
 1,4-Dichlorobenzene
 Concen: 5.35 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059610.D
 Acq: 23 Jul 2018 12:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.0	20.5	61.5
148	67.0	32.3	96.8

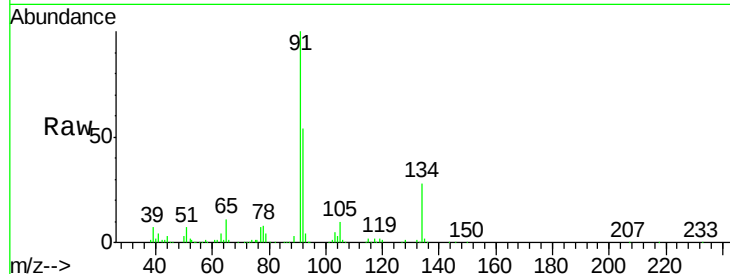




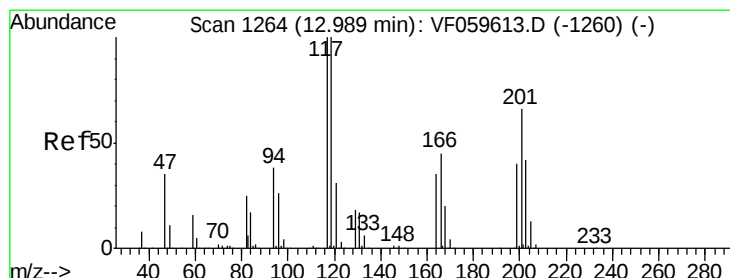
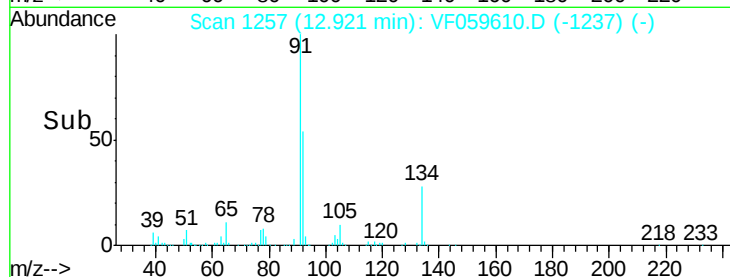
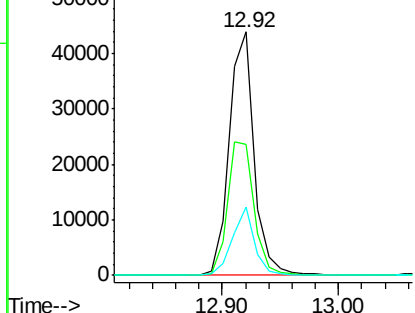
#89
n-Butylbenzene
Concen: 5.41 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VF059610.D
Acq: 23 Jul 2018 12:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 64858
Ion Ratio Lower Upper
91 100
92 53.8 28.8 86.4
134 28.2 13.5 40.4

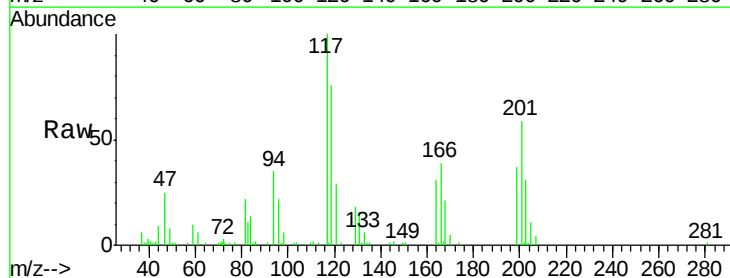


Abundance Ion 91.00 (90.70 to 91.70): VF059610.D (-1252) (-)
Ion 92.00 (91.70 to 92.70): VF059610.D (-1252) (-)
Ion 134.00 (133.70 to 134.70): VF059610.D (-1252) (-)

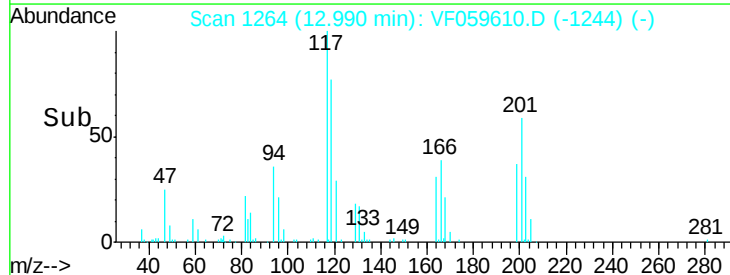
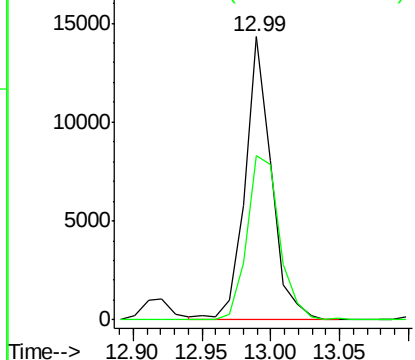


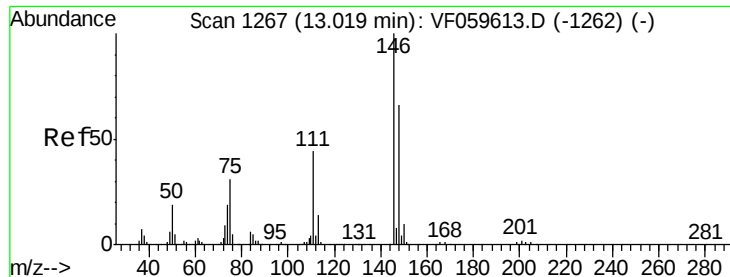
#90
Hexachloroethane
Concen: 6.44 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF059610.D
Acq: 23 Jul 2018 12:55

Tgt Ion: 117 Resp: 19138
Ion Ratio Lower Upper
117 100
201 58.0 33.6 100.6



Abundance Ion 117.00 (116.70 to 117.70): VF059610.D (-1260) (-)
Ion 201.00 (200.70 to 201.70): VF059610.D (-1260) (-)





#91

1,2-Dichlorobenzene

Concen: 5.54 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VF059610.D

Acq: 23 Jul 2018 12:55

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

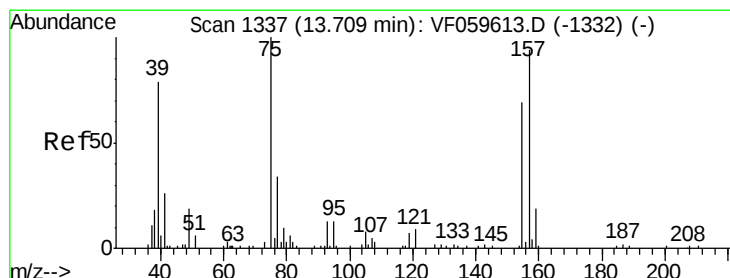
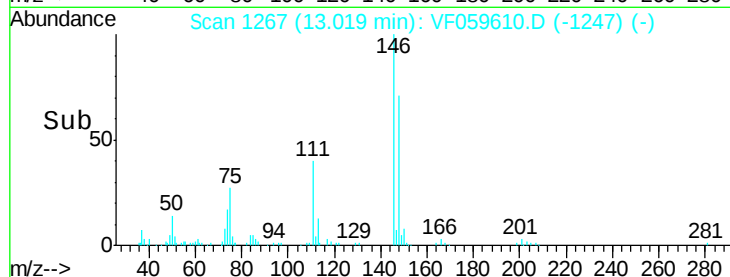
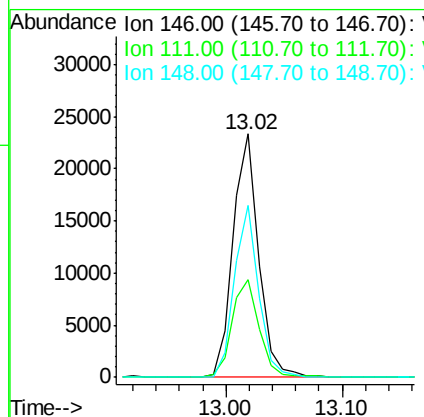
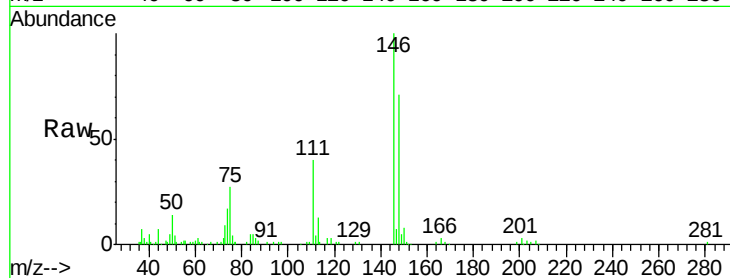
Tot Ion:146 Resp: 35705

Ion Ratio Lower Upper

146 100

111 40.2 21.8 65.3

148 70.8 32.9 98.7



#92

1,2-Dibromo-3-Chloropropane

Concen: 5.21 ug/l

RT: 13.71 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VF059610.D

Acq: 23 Jul 2018 12:55

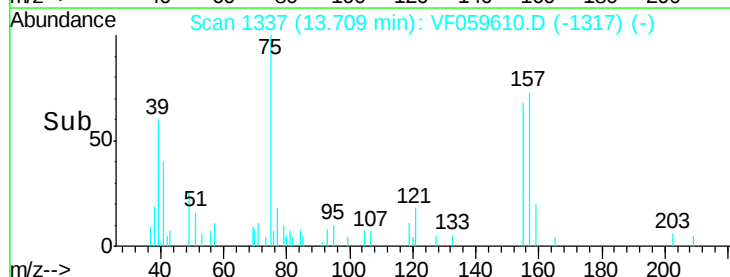
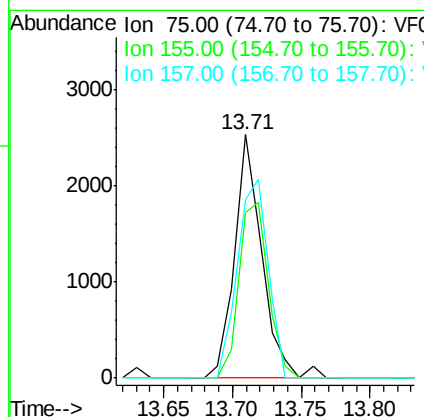
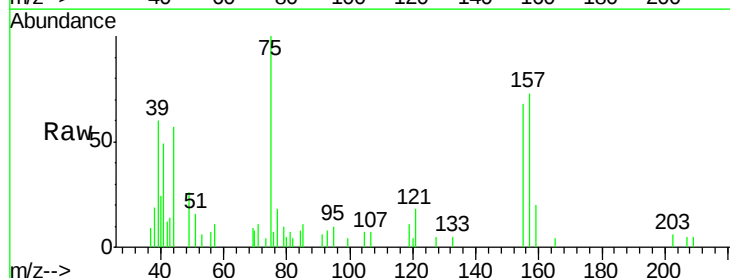
Tgt Ion: 75 Resp: 3513

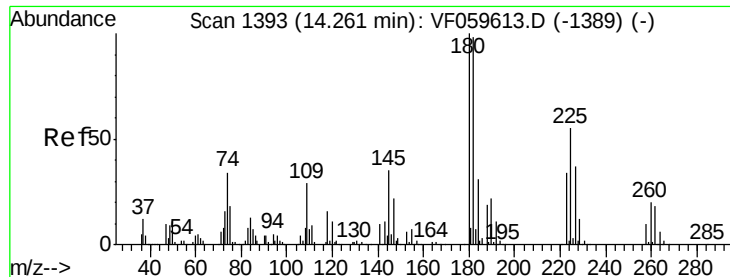
Ion Ratio Lower Upper

75 100

155 67.9 34.6 103.8

157 73.2 47.0 141.0

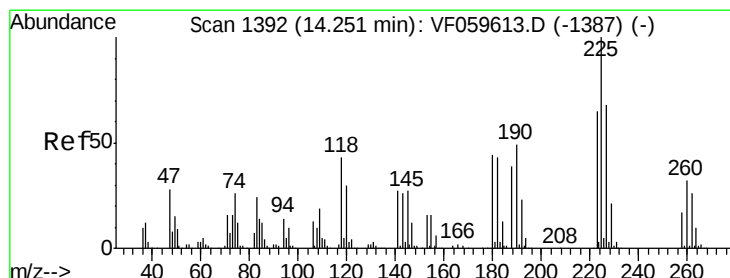
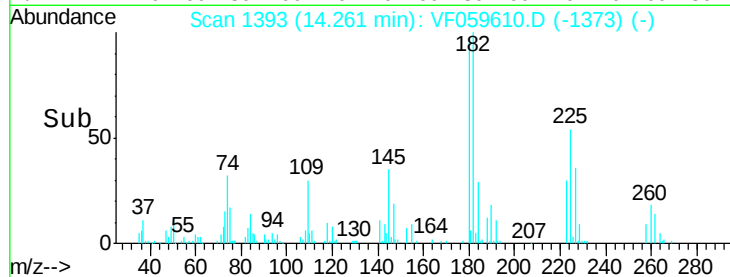
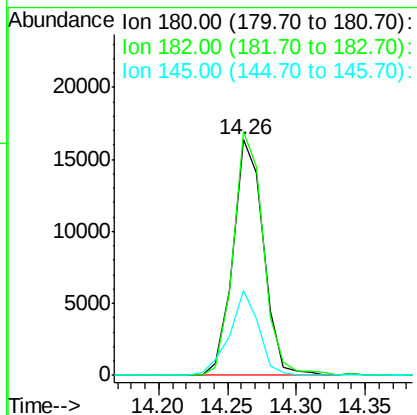
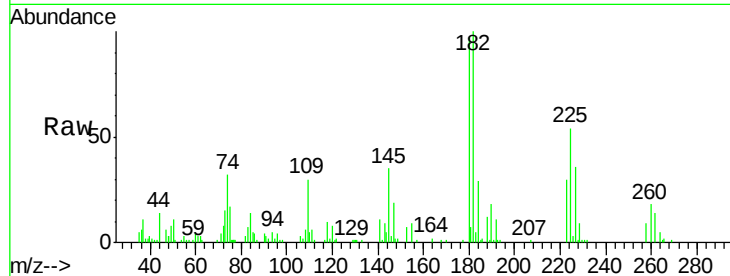




#93
 1,2,4-Trichlorobenzene
 Concen: 6.20 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059610.D
 Acq: 23 Jul 2018 12:55

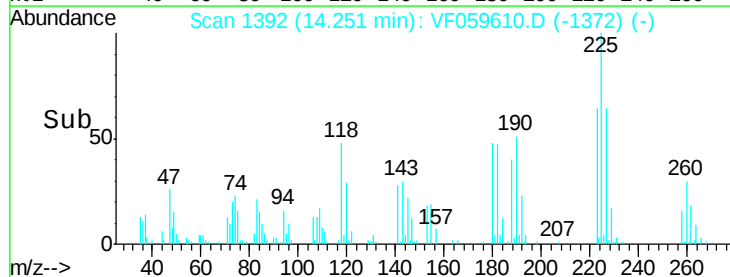
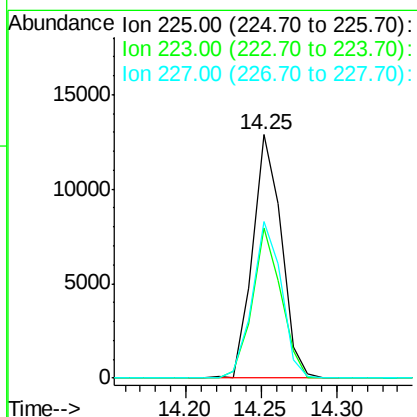
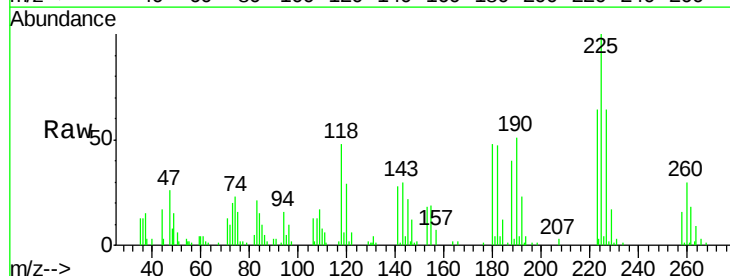
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

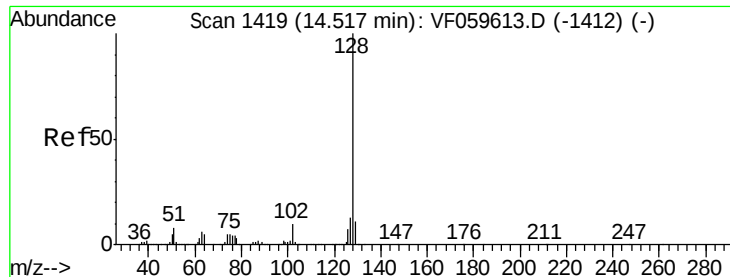
Tot Ion:180 Resp: 25328
 Ion Ratio Lower Upper
 180 100
 182 103.3 48.8 146.3
 145 35.8 17.5 52.6



#94
 Hexachlorobutadiene
 Concen: 7.60 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059610.D
 Acq: 23 Jul 2018 12:55

Tgt Ion:225 Resp: 17056
 Ion Ratio Lower Upper
 225 100
 223 61.7 32.6 98.0
 227 64.5 33.9 101.6

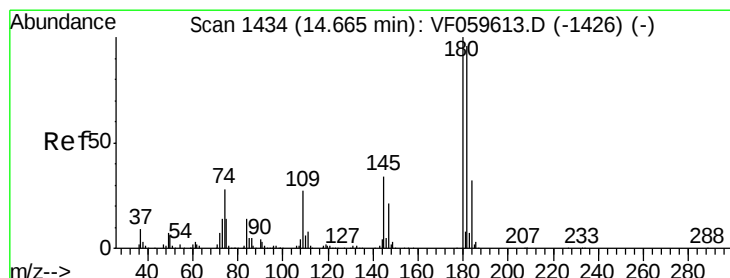
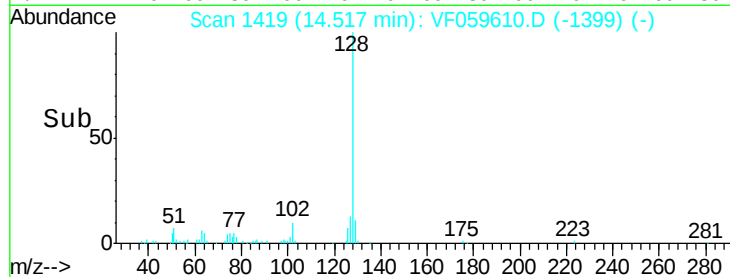
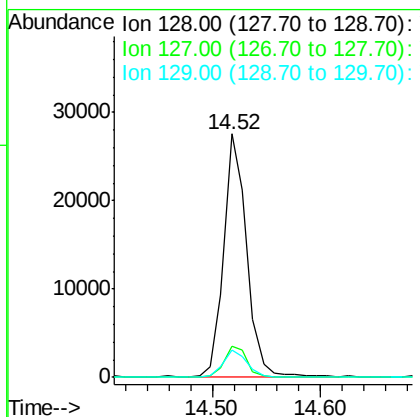
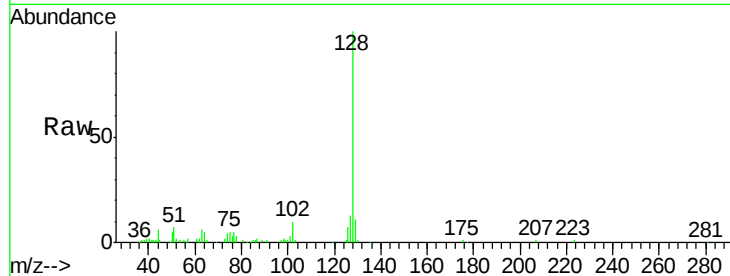




#95
Naphthalene
Concen: 5.00 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF059610.D
Acq: 23 Jul 2018 12:55

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion:128 Resp: 40791
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.2
129 11.0 9.1 13.7



#96
1,2,3-Trichlorobenzene
Concen: 5.83 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059610.D
Acq: 23 Jul 2018 12:55

Tgt Ion:180 Resp: 21749
Ion Ratio Lower Upper
180 100
182 92.1 48.0 144.2
145 36.4 17.1 51.2

