

Data Path : Z:\voasrv\HPCHEM1\MSVOA F\Data\VF072318\
 Data File : VF059616.D
 Acq On : 23 Jul 2018 15:42
 Operator : VA/AP
 Sample : VSTDIC150
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 87 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Quant Time: Jul 23 16:01:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072318S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 23 15:54:51 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	256869	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	363681	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	353475	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	212805	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	545105	135.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	270.64%	
35) Dibromofluoromethane	4.28	113	464827	140.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	281.44%	
50) Toluene-d8	7.71	98	1147824	139.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	279.92%	
62) 4-Bromofluorobenzene	11.51	95	596545	126.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	253.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	408429	125.72	ug/l	92
3) Chloromethane	1.09	50	204129	132.57	ug/l	95
4) Vinyl Chloride	1.15	62	231398	136.18	ug/l	89
5) Bromomethane	1.34	94	170481	118.19	ug/l	89
6) Chloroethane	1.42	64	127530	125.77	ug/l	94
7) Trichlorofluoromethane	1.52	101	316003	70.14	ug/l	93
8) Diethyl Ether	1.70	74	99263	146.81	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.90	101	259073	114.10	ug/l	94
10) Methyl Iodide	1.96	142	482931	127.08	ug/l	91
11) Tert butyl alcohol	2.69	59	106087	628.31	ug/l #	92
12) 1,1-Dichloroethene	1.85	96	249425	134.40	ug/l	90
13) Acrolein	2.09	56	66910	846.67	ug/l	92
14) Allyl chloride	2.19	41	426237	133.36	ug/l	87
15) Acrylonitrile	3.07	53	179082	672.72	ug/l	93
16) Acetone	2.33	43	393559	573.80	ug/l	96
17) Carbon Disulfide	1.83	76	176104	36.71	ug/l	97
18) Methyl Acetate	2.45	43	143251	113.15	ug/l	98
19) Methyl tert-butyl Ether	2.53	73	701729	130.03	ug/l	98
20) Methylene Chloride	2.31	84	100928	48.23	ug/l	84
21) trans-1,2-Dichloroethene	2.41	96	238290	126.47	ug/l	85
22) Diisopropyl ether	2.91	45	852961	137.18	ug/l	95
23) Vinyl Acetate	3.33	43	2015238	636.65	ug/l #	96
24) 1,1-Dichloroethane	2.99	63	570714	132.19	ug/l	100
25) 2-Butanone	4.50	43	464555	622.19	ug/l	98
26) 2,2-Dichloropropane	3.75	77	428679	123.54	ug/l	98
27) cis-1,2-Dichloroethene	3.62	96	313786	146.75	ug/l	97
28) Bromochloromethane	3.88	49	199353	122.14	ug/l	93
29) Tetrahydrofuran	4.25	42	198588	645.18	ug/l	99
30) Chloroform	4.03	83	765645	128.02	ug/l	95
31) Cyclohexane	3.86	56	320875	133.24	ug/l	91
32) 1,1,1-Trichloroethane	4.27	97	658832	127.05	ug/l	99
36) 1,1-Dichloropropene	4.45	75	504989	136.76	ug/l #	94
37) Ethyl Acetate	4.28	43	205052	132.19	ug/l #	88
38) Carbon Tetrachloride	4.16	117	758191	135.89	ug/l	96

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 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 87 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VSTDICC150

Quant Time: Jul 23 16:01:49 2018
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 Quant Title : SW846 8260
 QLast Update : Mon Jul 23 15:54:51 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	384628	129.85	ug/l	94
40) Benzene	4.80	78	916032	134.06	ug/l	95
41) Methacrylonitrile	4.92	41	106814	133.41	ug/l #	71
42) 1,2-Dichloroethane	5.11	62	589714	128.70	ug/l	98
43) Isopropyl Acetate	7.10	43	276912	137.37	ug/l #	99
44) Trichloroethene	5.66	130	333930	128.09	ug/l	97
45) 1,2-Dichloropropane	6.39	63	245351	133.22	ug/l	95
46) Dibromomethane	6.25	93	214003	138.41	ug/l	95
47) Bromodichloromethane	6.54	83	597280	129.55	ug/l #	94
48) Methyl methacrylate	6.87	41	203466	134.95	ug/l	94
49) 1,4-Dioxane	6.86	88	29482	3199.27	ug/l	92
51) 4-Methyl-2-Pentanone	8.40	43	893160	625.88	ug/l	98
52) Toluene	7.77	92	666536	130.20	ug/l	97
53) t-1,3-Dichloropropene	8.43	75	503024	128.34	ug/l	98
54) cis-1,3-Dichloropropene	7.45	75	532969	137.17	ug/l	95
55) 1,1,2-Trichloroethane	8.63	97	235445	131.73	ug/l	92
56) Ethyl methacrylate	8.75	69	369969	183.36	ug/l #	78
57) 1,3-Dichloropropane	9.00	76	398958	127.65	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.77	63	141253	629.58	ug/l	100
59) 2-Hexanone	9.63	43	736741	638.85	ug/l	97
60) Dibromochloromethane	8.86	129	421672	133.61	ug/l	98
61) 1,2-Dibromoethane	9.13	107	288685	138.00	ug/l	97
64) Tetrachloroethene	8.30	164	338330	127.55	ug/l	94
65) Chlorobenzene	9.93	112	872595	131.94	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	390963	131.31	ug/l	98
67) Ethyl Benzene	10.04	91	1550837	131.18	ug/l	98
68) m/p-Xylenes	10.27	106	1023104	253.31	ug/l	89
69) o-Xylene	10.83	106	583735	132.77	ug/l	87
70) Styrene	10.90	104	863471	131.22	ug/l	98
71) Bromoform	10.89	173	249772	131.73	ug/l #	97
73) Isopropylbenzene	11.22	105	1728665	126.99	ug/l	94
74) N-amyl acetate	11.46	43	473397	146.99	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.79	83	305586	128.37	ug/l	96
76) 1,2,3-Trichloropropane	11.88	75	261944	126.80	ug/l	89
77) Bromobenzene	11.59	156	440582	123.34	ug/l	93
78) n-propylbenzene	11.69	91	1904964	117.30	ug/l	98
79) 2-Chlorotoluene	11.82	91	1182441	121.93	ug/l	93
80) 1,3,5-Trimethylbenzene	11.91	105	1433771	119.19	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.95	75	164551	174.01	ug/l	92
82) 4-Chlorotoluene	11.98	91	1347092	124.25	ug/l	97
83) tert-Butylbenzene	12.21	119	1444124	121.96	ug/l	97
84) 1,2,4-Trimethylbenzene	12.29	105	1509827	123.16	ug/l	90
85) sec-Butylbenzene	12.39	105	1916381	126.00	ug/l	97
86) p-Isopropyltoluene	12.54	119	1650704	123.50	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	798438	118.70	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	827878	130.53	ug/l	96
89) n-Butylbenzene	12.92	91	1568205	123.30	ug/l	91
90) Hexachloroethane	12.99	117	412643	125.12	ug/l	100
91) 1,2-Dichlorobenzene	13.02	146	753298	120.12	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	77603	134.17	ug/l	95

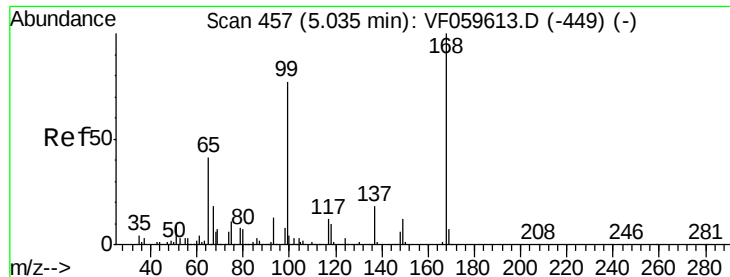
Data Path : Z:\voasrv\HPCHEM1\MSVOA F\Data\VF072318\
Data File : VF059616.D
Acq On : 23 Jul 2018 15:42
Operator : VA/AP
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ALS Vial : 87 Sample Multiplier: 1

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ClientSampleId :
VSTDICC150

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Quant Title : SW846 8260
QLast Update : Mon Jul 23 15:54:51 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	591152	128.94	ug/l	97
94) Hexachlorobutadiene	14.26	225	355718	114.95	ug/l	96
95) Naphthalene	14.52	128	1107427	143.71	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	563154	133.58	ug/l	98

(#) = 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: VF059616.D

Acq: 23 Jul 2018 15:42

Instrument :

MSVOA_F

ClientSampleId :

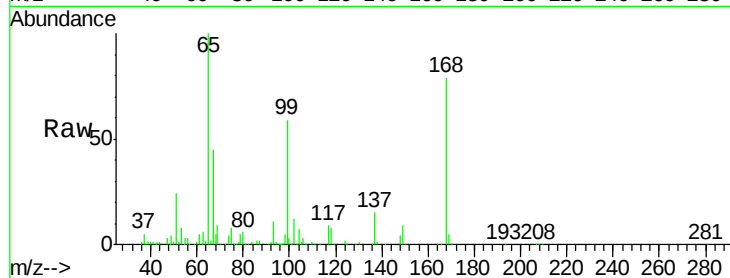
VSTDIC150

Tot Ion:168 Resp: 256869

Ion Ratio Lower Upper

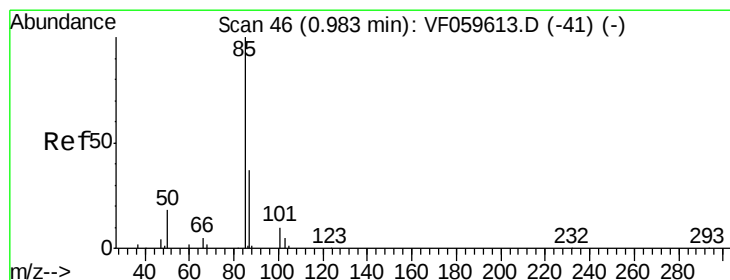
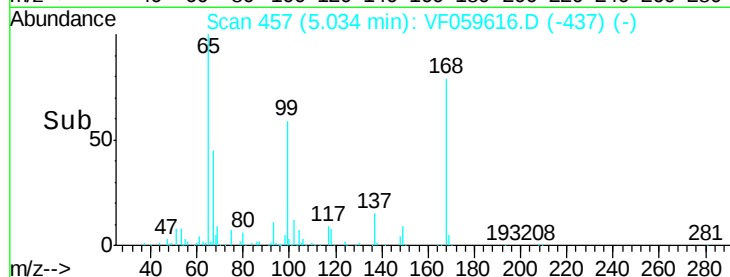
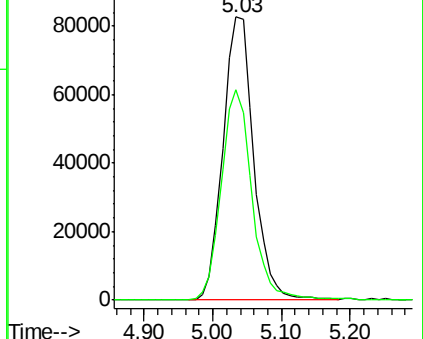
168 100

99 74.6 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: 125.72 ug/l

RT: 0.98 min Scan# 46

Delta R.T. -0.00 min

Lab File: VF059616.D

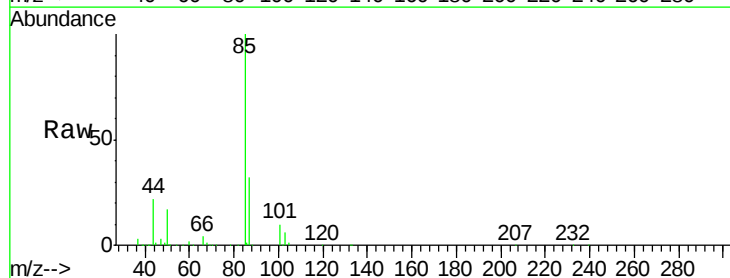
Acq: 23 Jul 2018 15:42

Tgt Ion: 85 Resp: 408429

Ion Ratio Lower Upper

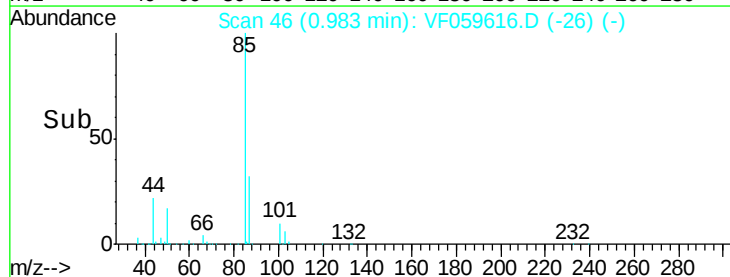
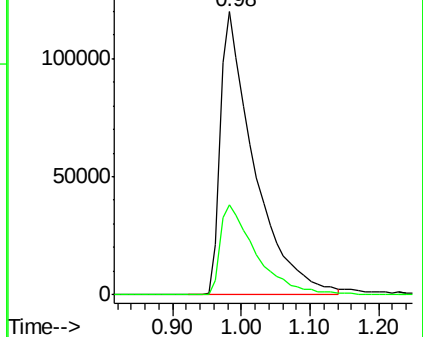
85 100

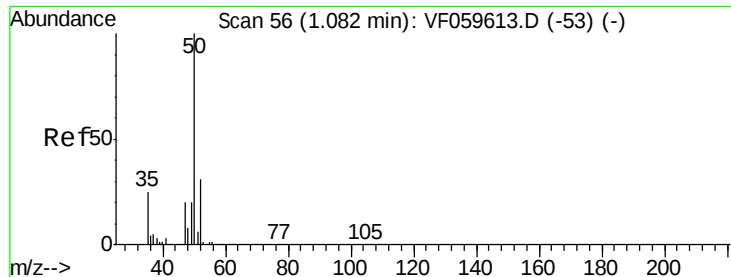
87 31.6 18.3 54.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 132.57 ug/l

RT: 1.09 min Scan# 57

Delta R.T. 0.01 min

Lab File: VF059616.D

Acq: 23 Jul 2018 15:42

Instrument :

MSVOA_F

ClientSampleId :

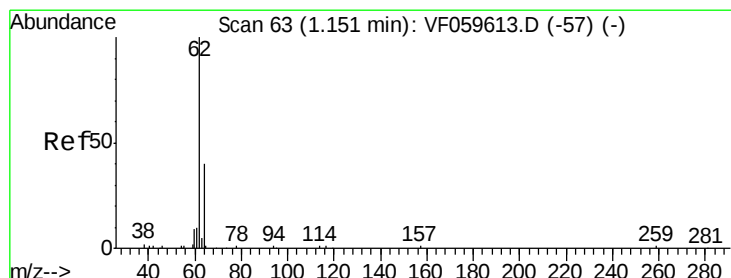
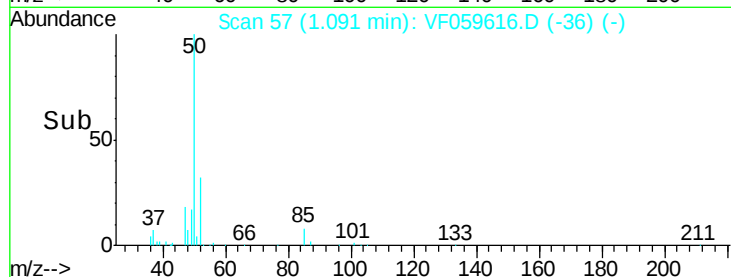
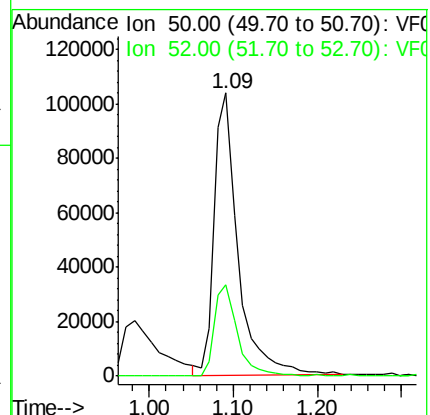
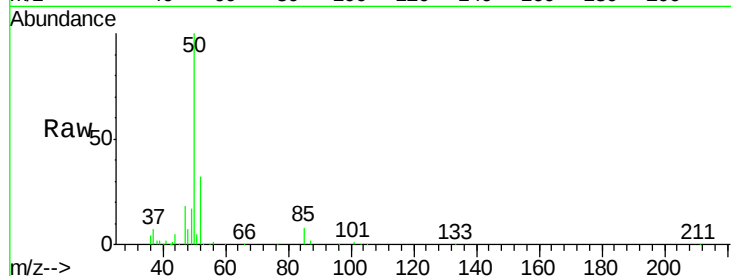
VSTDIC150

Tot Ion: 50 Resp: 204129

Ion Ratio Lower Upper

50 100

52 32.3 23.7 35.5



#4

Vinyl Chloride

Concen: 136.18 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.00 min

Lab File: VF059616.D

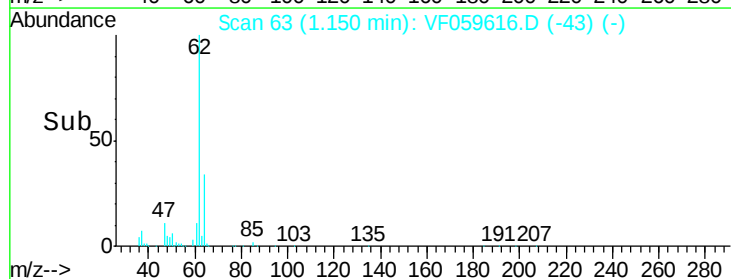
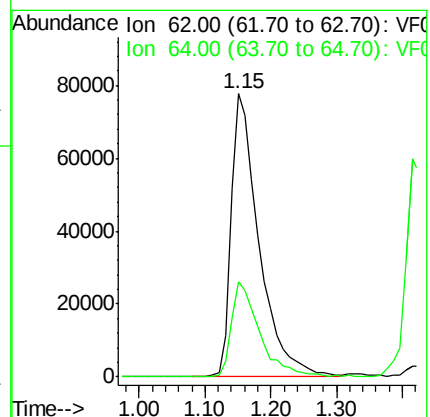
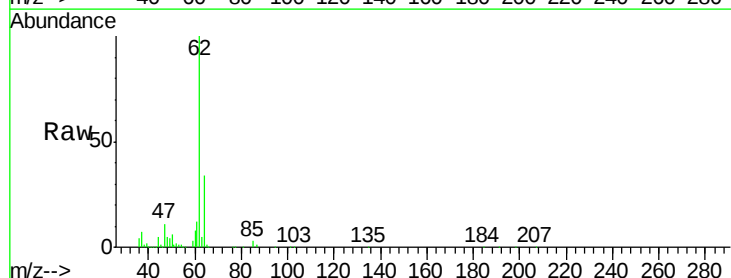
Acq: 23 Jul 2018 15:42

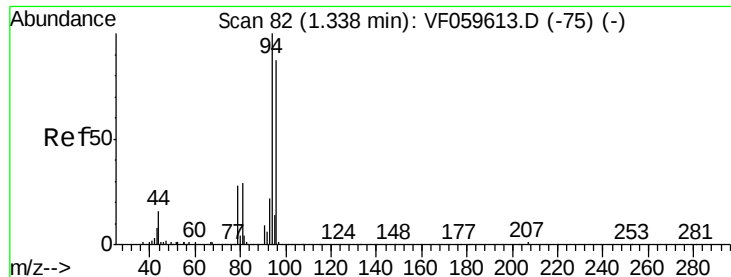
Tgt Ion: 62 Resp: 231398

Ion Ratio Lower Upper

62 100

64 33.6 32.2 48.4





#5

Bromomethane

Concen: 118.19 ug/l

RT: 1.34 min Scan# 82

Delta R.T. -0.00 min

Lab File: VF059616.D

Acq: 23 Jul 2018 15:42

Instrument :

MSVOA_F

ClientSampleId :

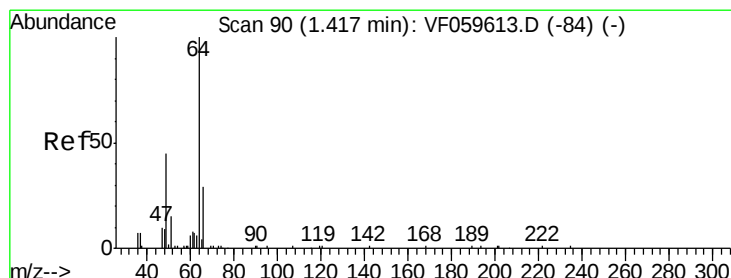
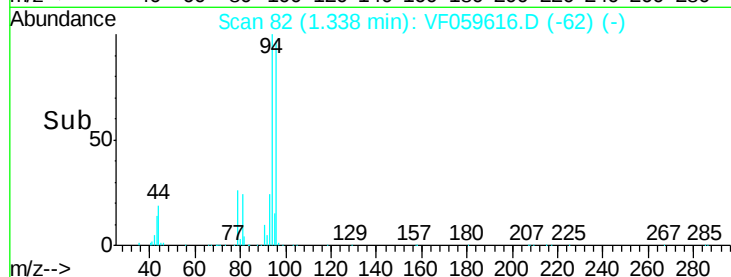
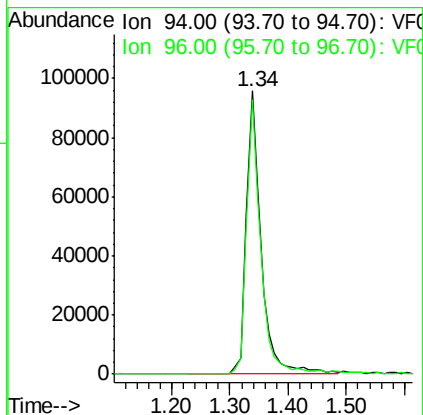
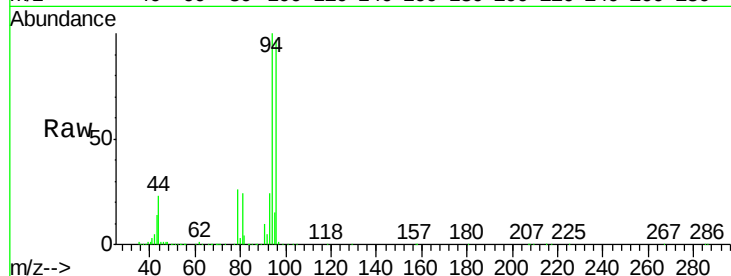
VSTDIC150

Tot Ion: 94 Resp: 170481

Ion Ratio Lower Upper

94 100

96 97.1 69.8 104.8



#6

Chloroethane

Concen: 125.77 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.00 min

Lab File: VF059616.D

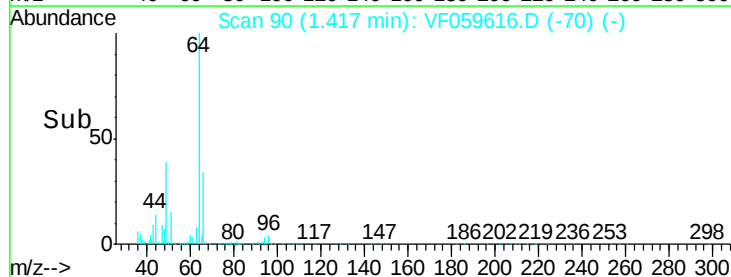
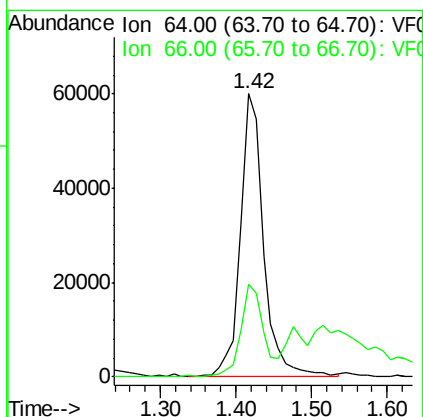
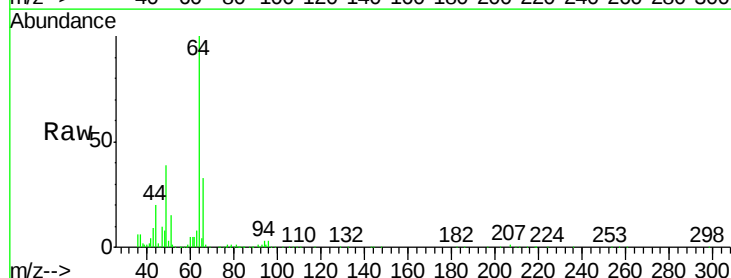
Acq: 23 Jul 2018 15:42

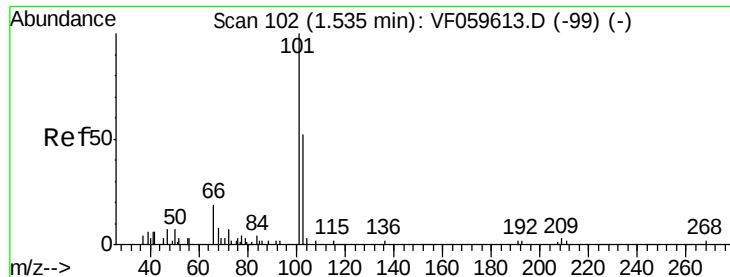
Tgt Ion: 64 Resp: 127530

Ion Ratio Lower Upper

64 100

66 32.6 23.7 35.5



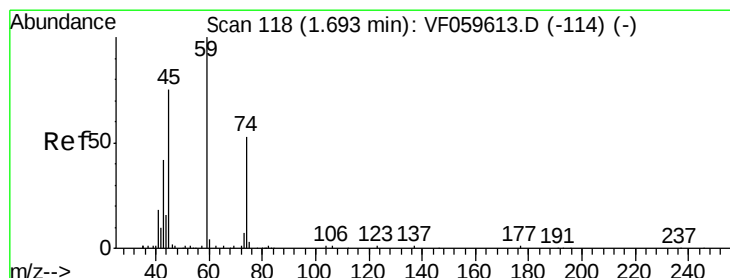
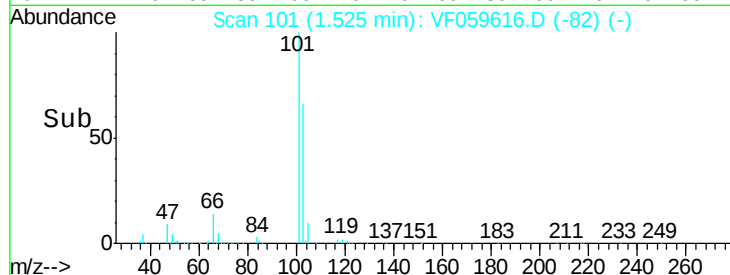
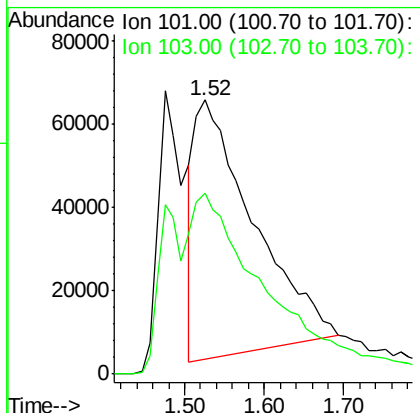
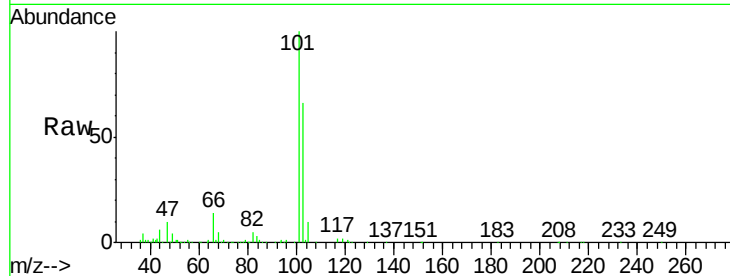


#7

Trichlorofluoromethane
 Concen: 70.14 ug/l
 RT: 1.52 min Scan# 101
 Delta R.T. -0.01 min
 Lab File: VF059616.D
 Acq: 23 Jul 2018 15:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

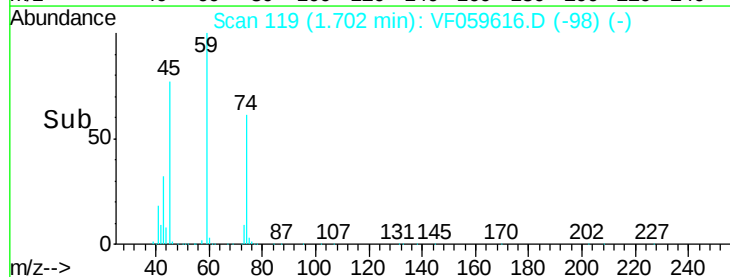
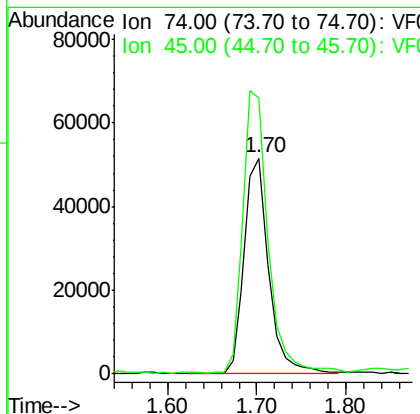
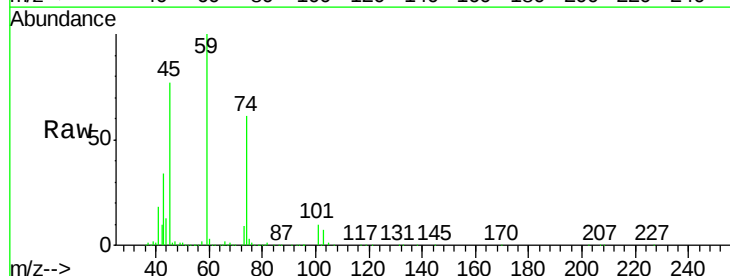
Tot Ion:101 Resp: 316003
 Ion Ratio Lower Upper
 101 100
 103 65.9 48.2 72.4

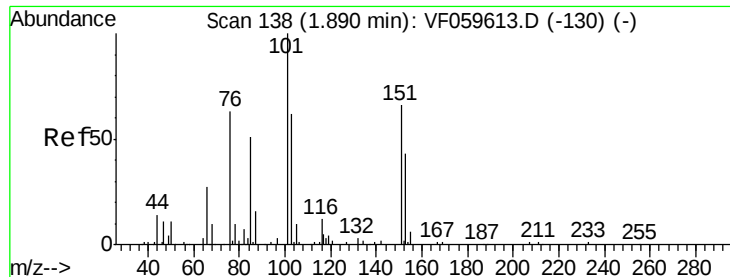


#8

Diethyl Ether
 Concen: 146.81 ug/l
 RT: 1.70 min Scan# 119
 Delta R.T. 0.01 min
 Lab File: VF059616.D
 Acq: 23 Jul 2018 15:42

Tgt Ion: 74 Resp: 99263
 Ion Ratio Lower Upper
 74 100
 45 127.4 72.0 215.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 114.10 ug/l

RT: 1.90 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF059616.D

Acq: 23 Jul 2018 15:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

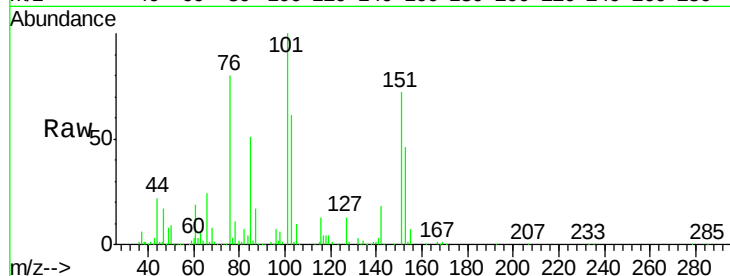
Tot Ion:101 Resp: 259073

Ion Ratio Lower Upper

101 100

85 51.2 40.2 60.2

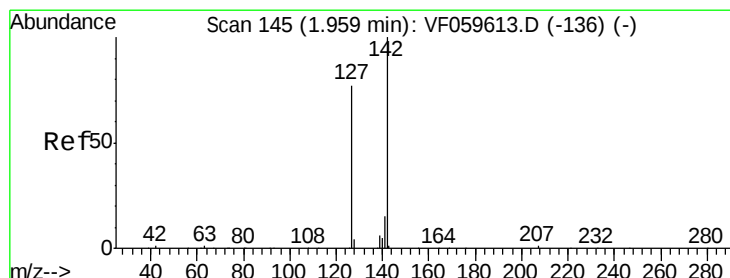
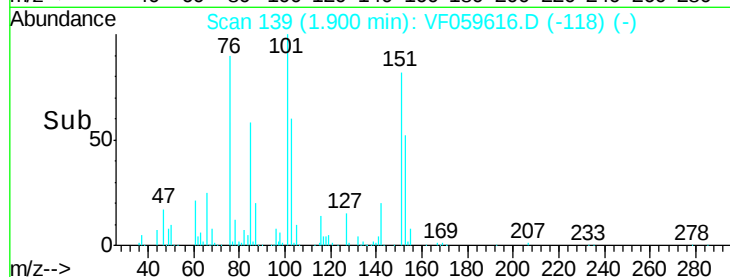
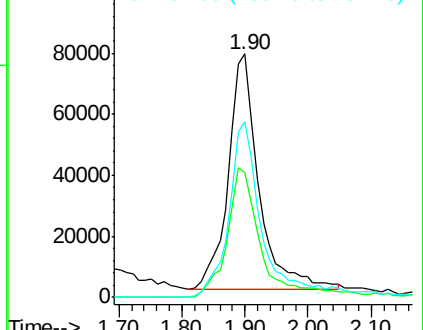
151 72.3 51.4 77.2



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: 127.08 ug/l

RT: 1.96 min Scan# 145

Delta R.T. -0.00 min

Lab File: VF059616.D

Acq: 23 Jul 2018 15:42

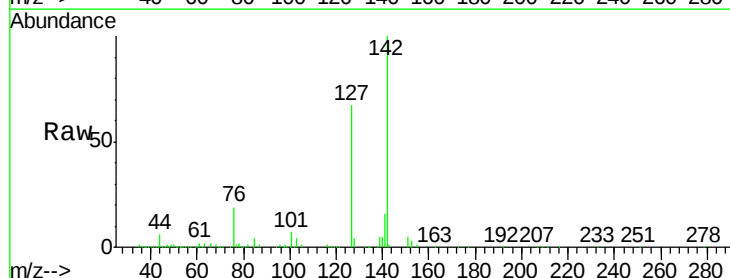
Tgt Ion:142 Resp: 482931

Ion Ratio Lower Upper

142 100

127 67.4 61.2 91.8

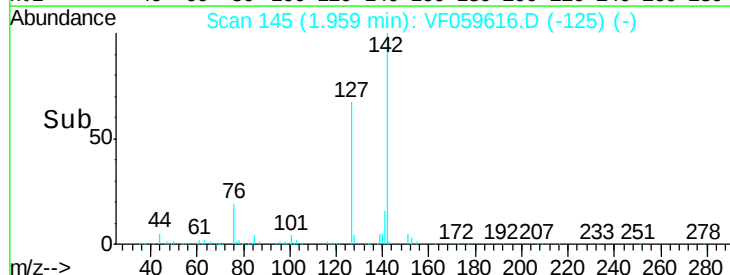
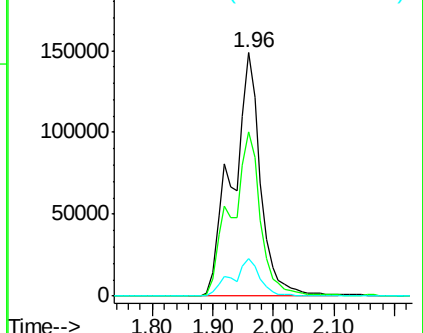
141 15.5 12.0 18.0

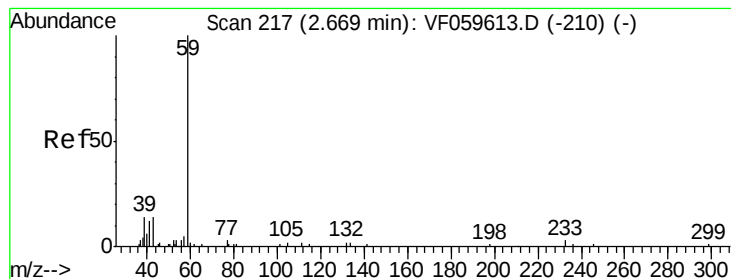


Abundance Ion 142.00 (141.70 to 142.70):

Ion 127.00 (126.70 to 127.70):

Ion 141.00 (140.70 to 141.70):





#11

Tert butyl alcohol

Concen: 628.31 ug/l

RT: 2.69 min Scan# 219

Delta R.T. 0.02 min

Lab File: VF059616.D

Acq: 23 Jul 2018 15:42

Instrument :

MSVOA_F

ClientSampleId :

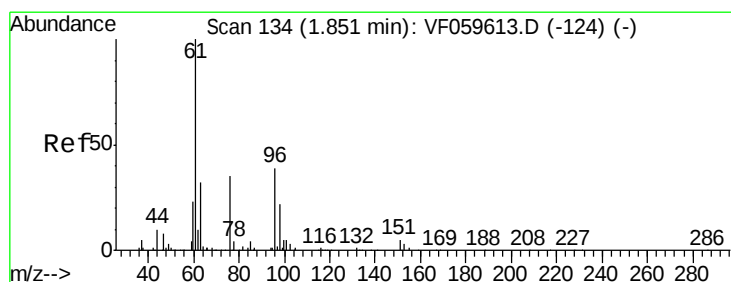
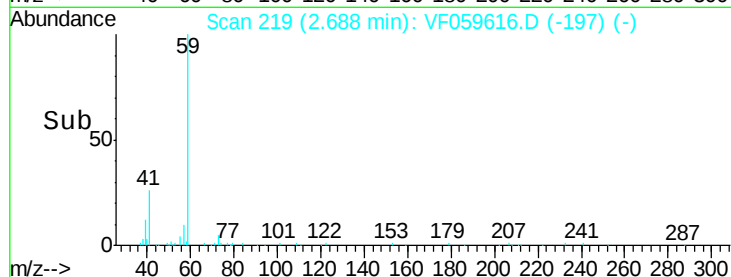
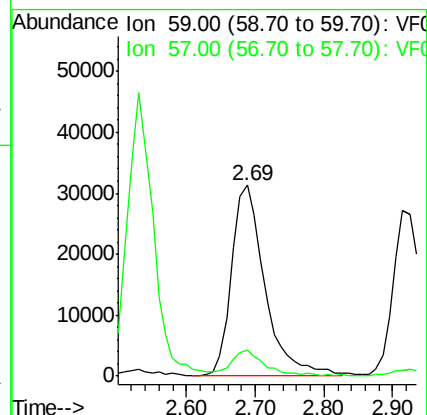
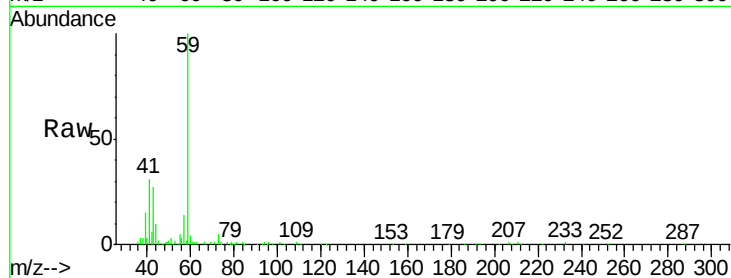
VSTDIC150

Tot Ion: 59 Resp: 106087

Ion Ratio Lower Upper

59 100

57 13.7 8.6 12.8#



#12

1,1-Dichloroethene

Concen: 134.40 ug/l

RT: 1.85 min Scan# 134

Delta R.T. -0.00 min

Lab File: VF059616.D

Acq: 23 Jul 2018 15:42

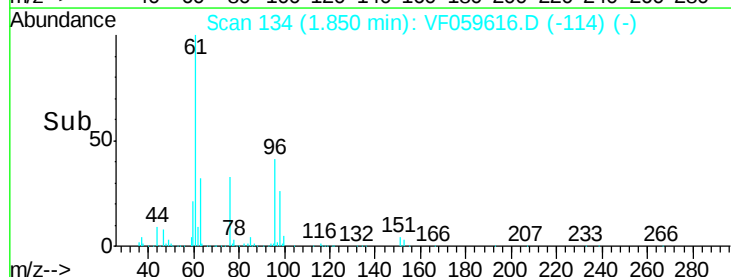
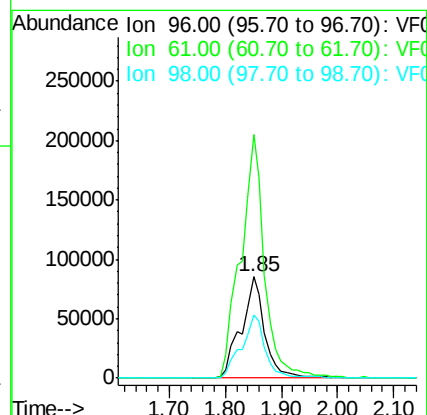
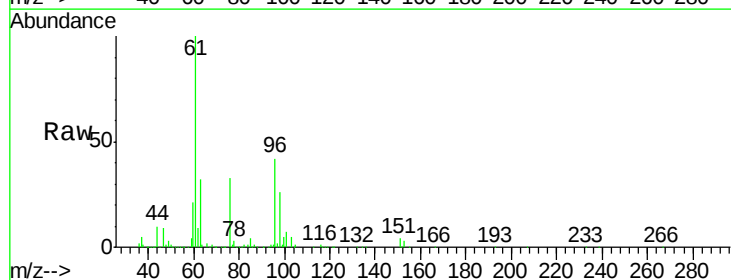
Tgt Ion: 96 Resp: 249425

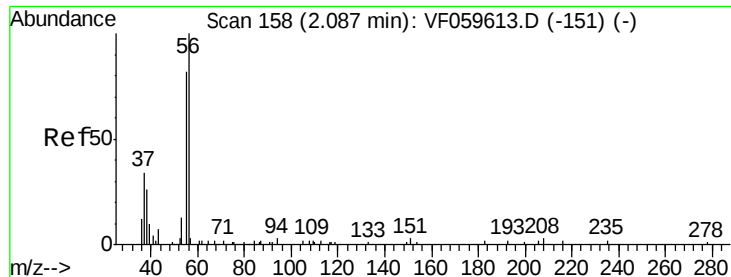
Ion Ratio Lower Upper

96 100

61 240.9 207.2 310.8

98 62.5 45.5 68.3





#13

Acrolein

Concen: 846.67 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.00 min

Lab File: VF059616.D

Acq: 23 Jul 2018 15:42

Instrument :

MSVOA_F

ClientSampleId :

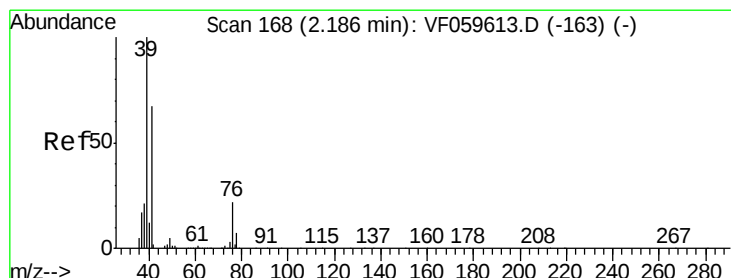
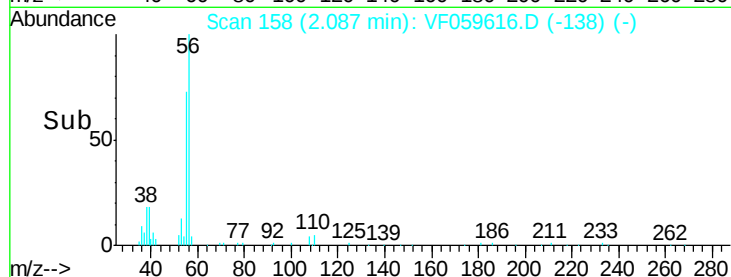
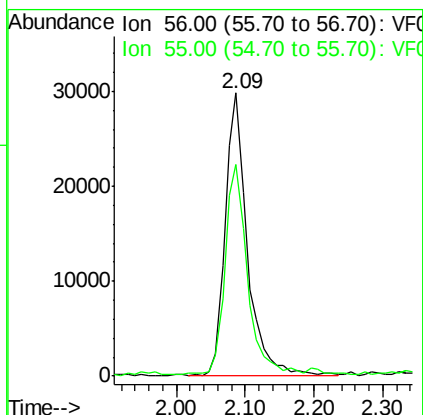
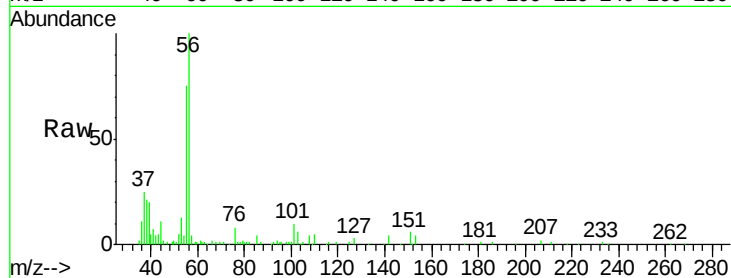
VSTDIC150

Tot Ion: 56 Resp: 66910

Ion Ratio Lower Upper

56 100

55 74.6 65.6 98.4



#14

Allyl chloride

Concen: 133.36 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.00 min

Lab File: VF059616.D

Acq: 23 Jul 2018 15:42

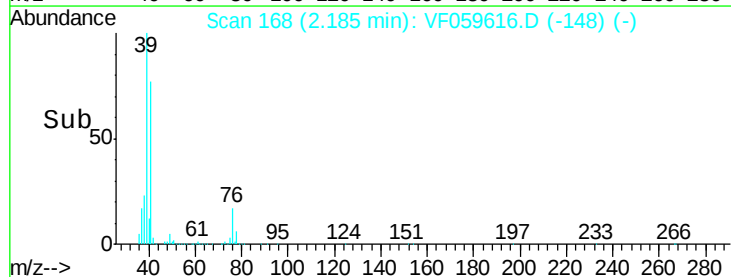
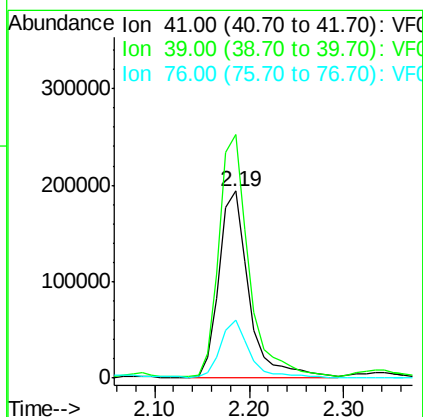
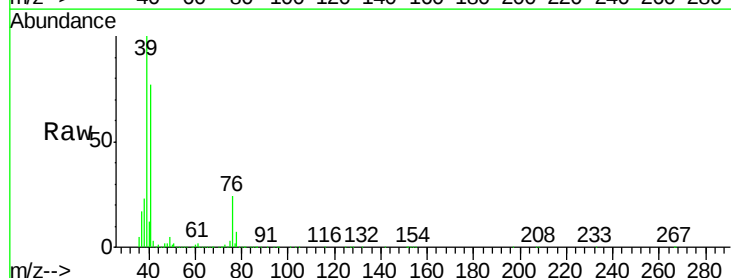
Tgt Ion: 41 Resp: 426237

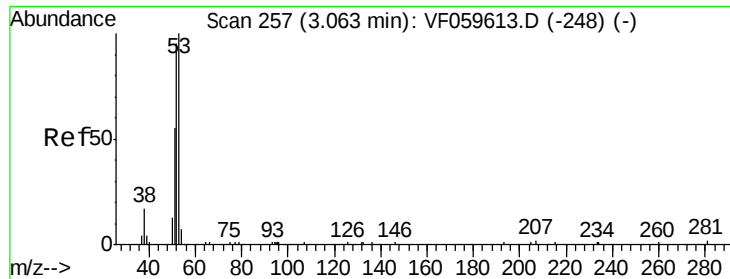
Ion Ratio Lower Upper

41 100

39 130.4 119.0 178.4

76 30.8 26.3 39.5





#15

Acrylonitrile

Concen: 672.72 ug/l

RT: 3.07 min Scan# 258

Delta R.T. 0.01 min

Lab File: VF059616.D

Acq: 23 Jul 2018 15:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

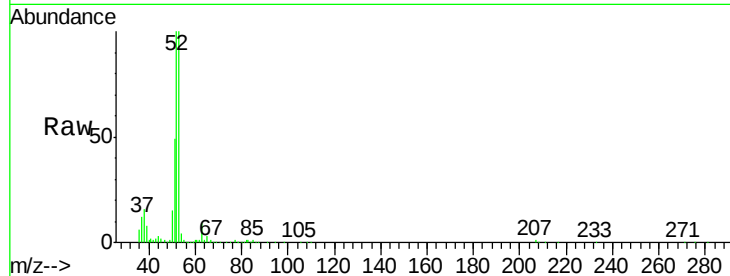
Tot Ion: 53 Resp: 179082

Ion Ratio Lower Upper

53 100

52 99.9 76.2 114.2

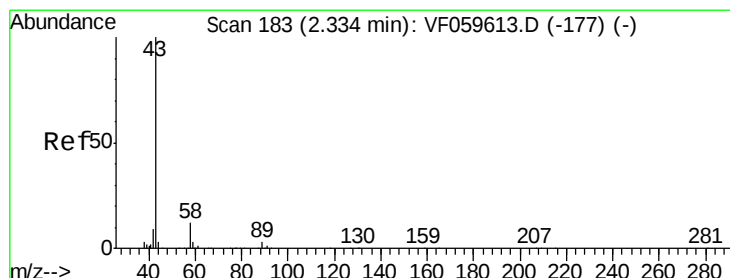
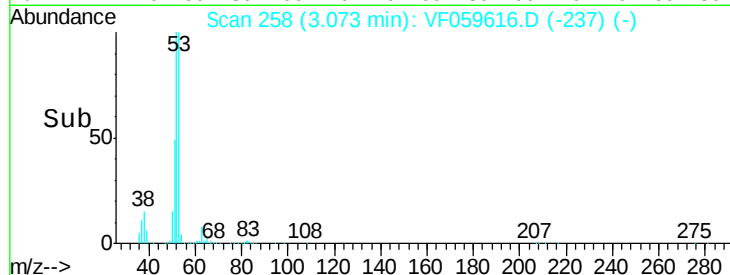
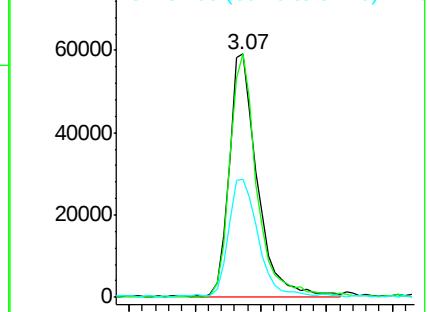
51 48.8 45.8 68.8



Abundance Ion 53.00 (52.70 to 53.70): VF059613.D (-248) (-)

Ion 52.00 (51.70 to 52.70): VF059613.D (-248) (-)

Ion 51.00 (50.70 to 51.70): VF059613.D (-248) (-)



#16

Acetone

Concen: 573.80 ug/l

RT: 2.33 min Scan# 183

Delta R.T. -0.00 min

Lab File: VF059616.D

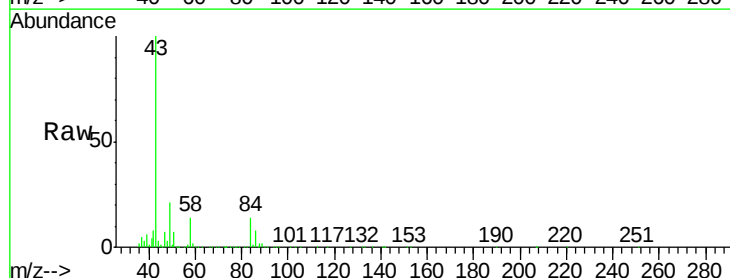
Acq: 23 Jul 2018 15:42

Tgt Ion: 43 Resp: 393559

Ion Ratio Lower Upper

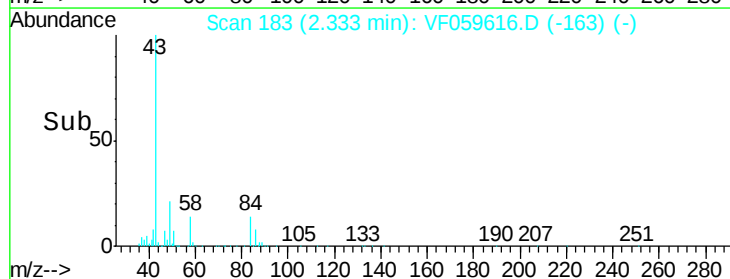
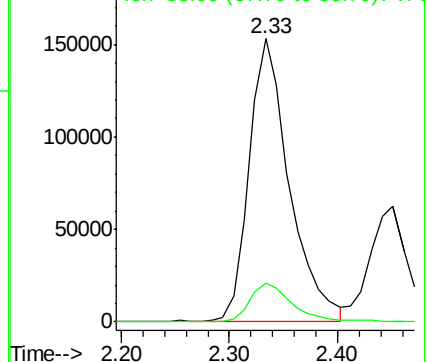
43 100

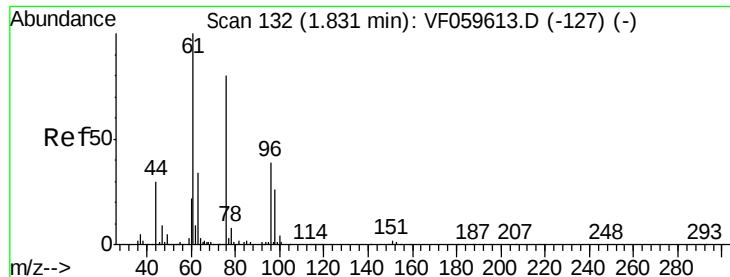
58 13.8 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VF059613.D (-177) (-)

Ion 58.00 (57.70 to 58.70): VF059613.D (-177) (-)

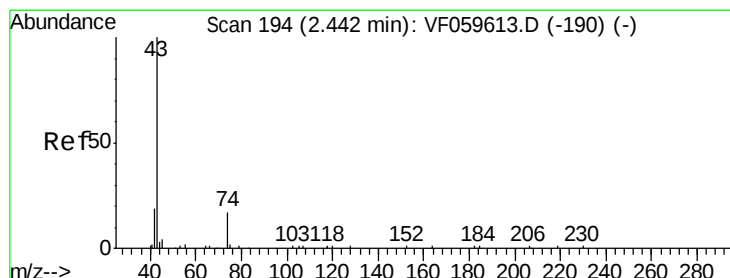
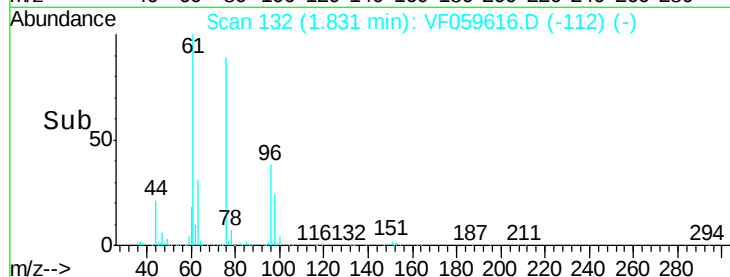
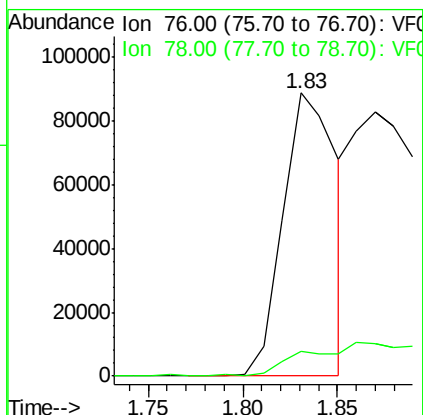
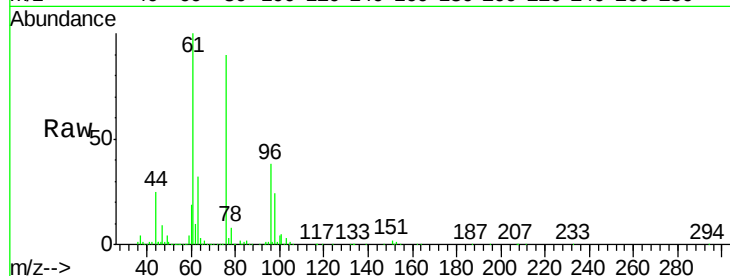




#17
Carbon Disulfide
Concen: 36.71 ug/l
RT: 1.83 min Scan# 132
Delta R.T. -0.00 min
Lab File: VF059616.D
Acq: 23 Jul 2018 15:42

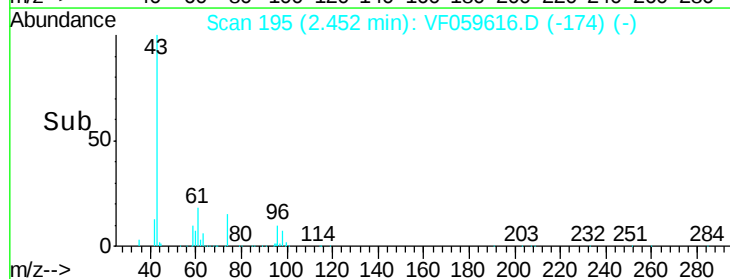
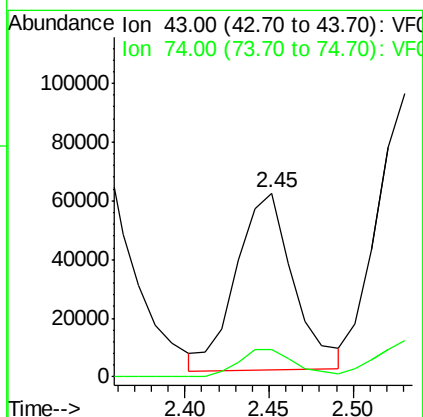
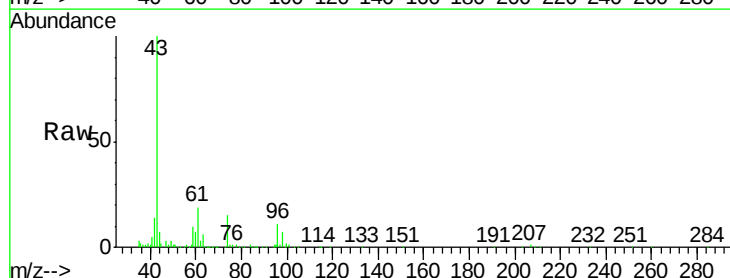
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

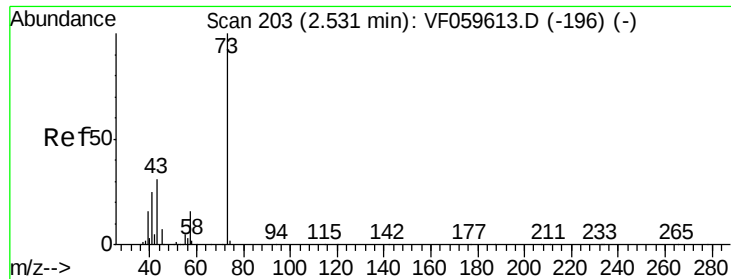
Tot Ion: 76 Resp: 176104
Ion Ratio Lower Upper
76 100
78 8.6 7.7 11.5



#18
Methyl Acetate
Concen: 113.15 ug/l
RT: 2.45 min Scan# 195
Delta R.T. 0.01 min
Lab File: VF059616.D
Acq: 23 Jul 2018 15:42

Tgt Ion: 43 Resp: 143251
Ion Ratio Lower Upper
43 100
74 15.2 11.4 17.0



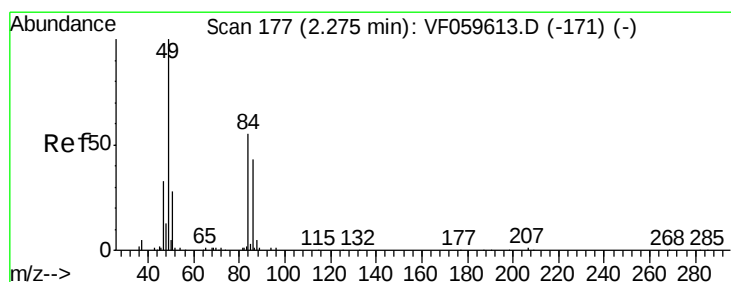
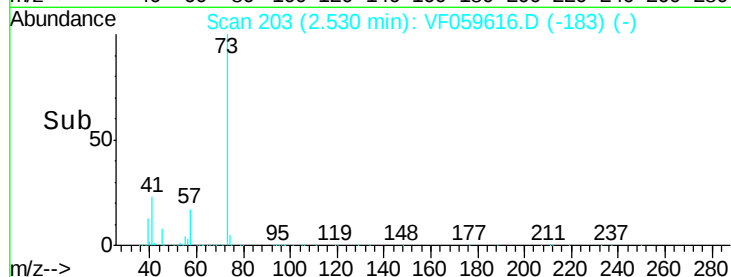
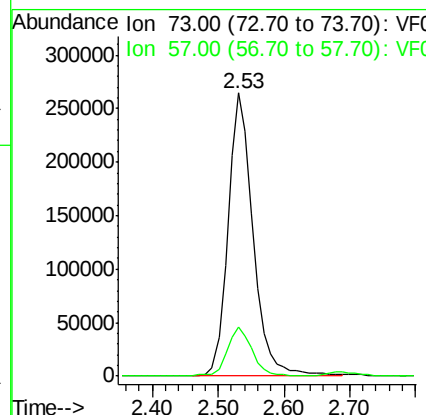
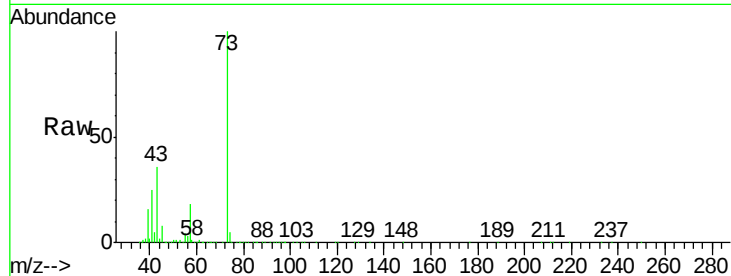


#19

Methyl tert-butyl Ether
Concen: 130.03 ug/l
RT: 2.53 min Scan# 203
Delta R.T. -0.00 min
Lab File: VF059616.D
Acq: 23 Jul 2018 15:42

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

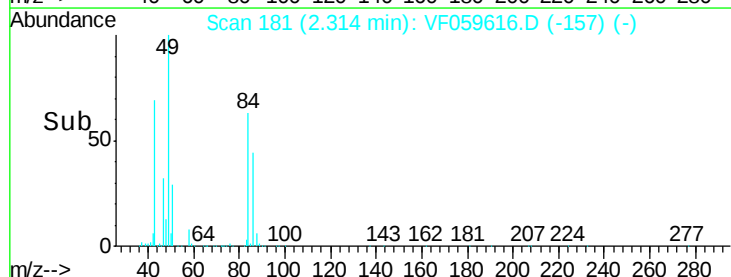
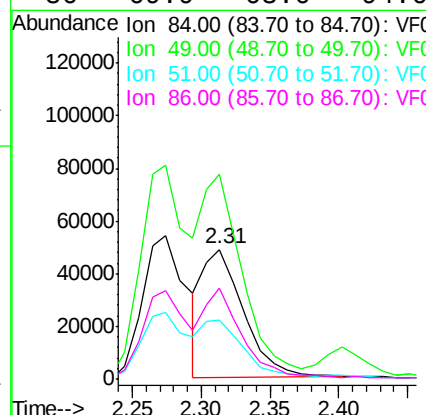
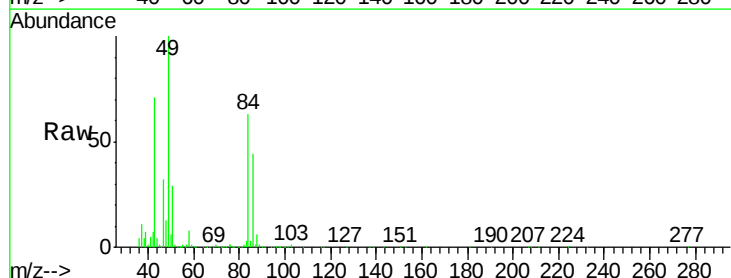
Tot Ion: 73 Resp: 701729
Ion Ratio Lower Upper
73 100
57 17.6 13.2 19.8

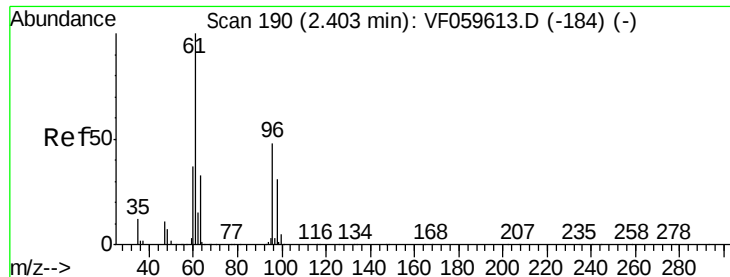


#20

Methylene Chloride
Concen: 48.23 ug/l
RT: 2.31 min Scan# 181
Delta R.T. 0.04 min
Lab File: VF059616.D
Acq: 23 Jul 2018 15:42

Tgt Ion: 84 Resp: 100928
Ion Ratio Lower Upper
84 100
49 157.6 148.6 222.8
51 45.4 42.7 64.1
86 69.9 63.0 94.6





#21

trans-1,2-Dichloroethene

Concen: 126.47 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.01 min

Lab File: VF059616.D

Acq: 23 Jul 2018 15:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

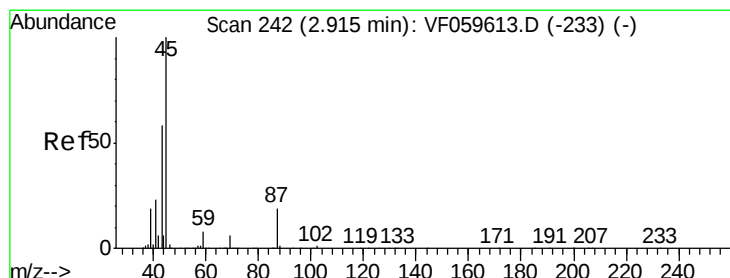
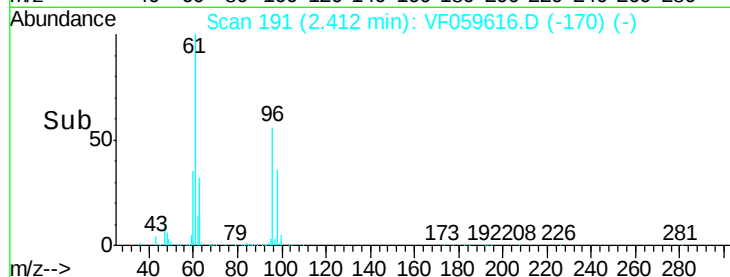
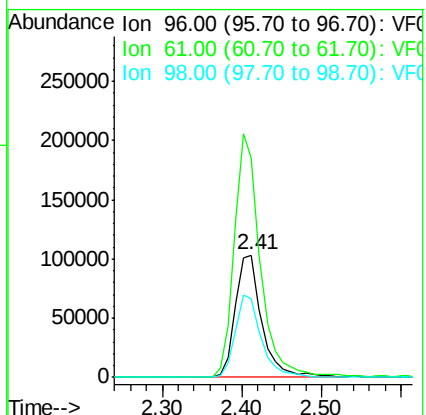
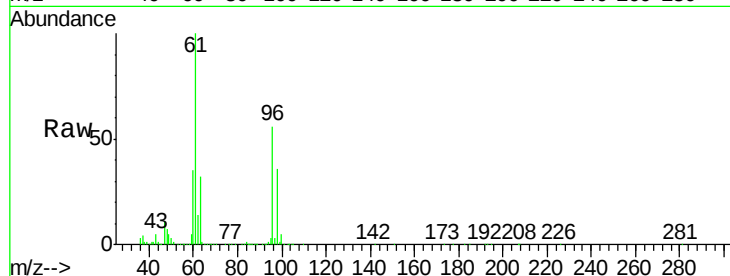
Tot Ion: 96 Resp: 238290

Ion Ratio Lower Upper

96 100

61 179.3 167.0 250.6

98 64.2 51.8 77.8



#22

Diisopropyl ether

Concen: 137.18 ug/l

RT: 2.91 min Scan# 242

Delta R.T. -0.00 min

Lab File: VF059616.D

Acq: 23 Jul 2018 15:42

Tgt Ion: 45 Resp: 852961

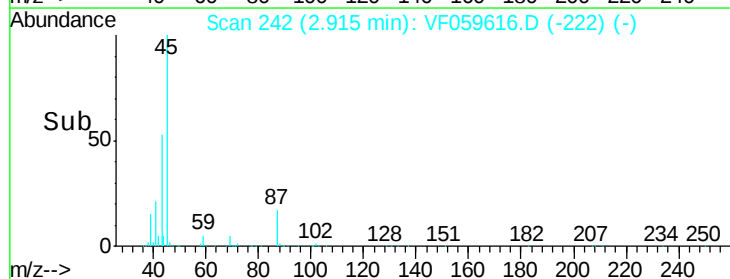
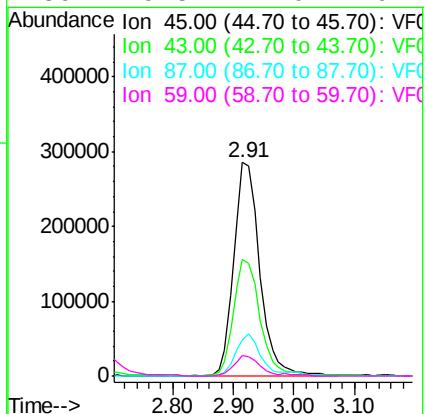
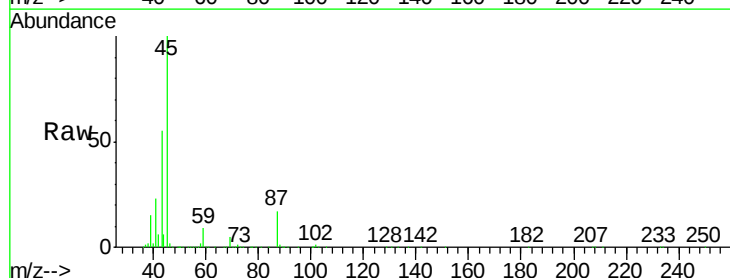
Ion Ratio Lower Upper

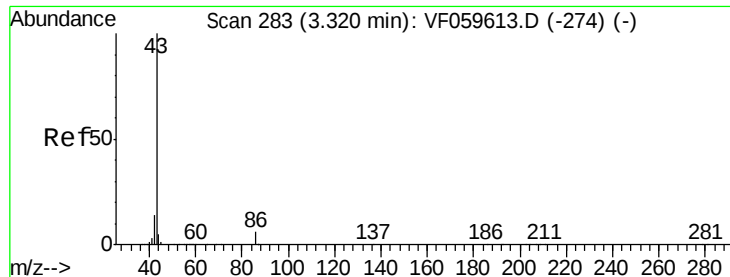
45 100

43 54.7 46.7 70.1

87 16.8 15.0 22.6

59 9.5 7.0 10.4





#23

Vinyl Acetate

Concen: 636.65 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.01 min

Lab File: VF059616.D

Acq: 23 Jul 2018 15:42

Instrument :

MSVOA_F

ClientSampleId :

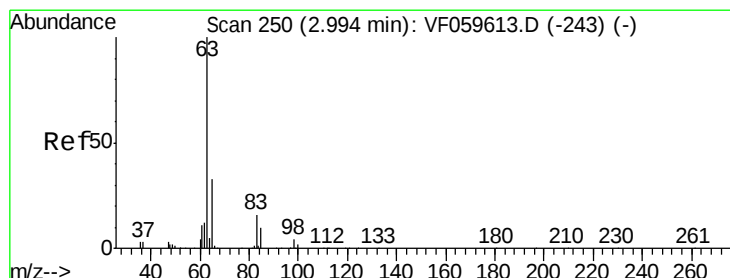
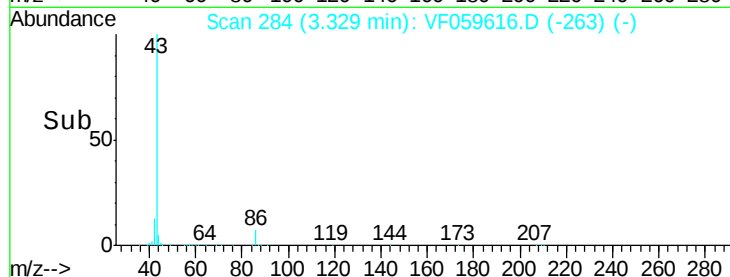
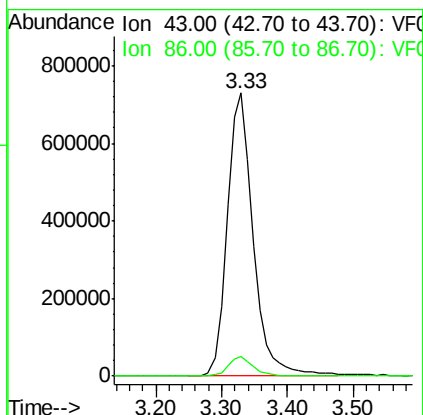
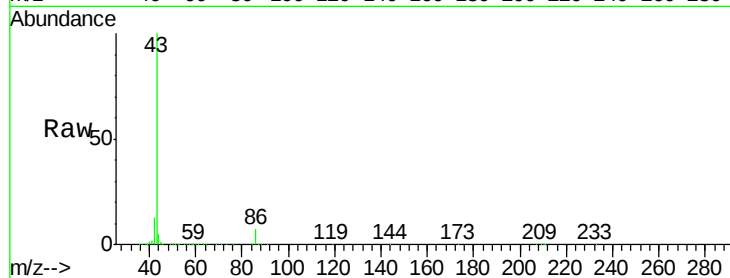
VSTDIC150

Tot Ion: 43 Resp: 2015238

Ion Ratio Lower Upper

43 100

86 7.1 4.6 6.8#



#24

1,1-Dichloroethane

Concen: 132.19 ug/l

RT: 2.99 min Scan# 250

Delta R.T. -0.00 min

Lab File: VF059616.D

Acq: 23 Jul 2018 15:42

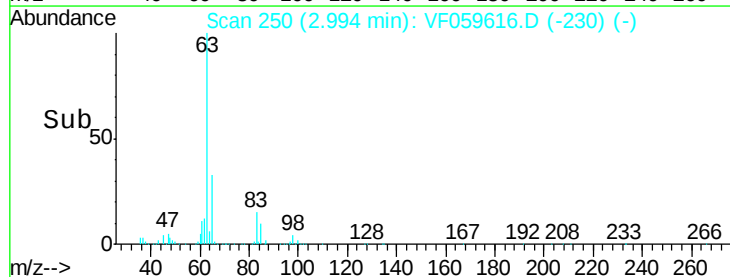
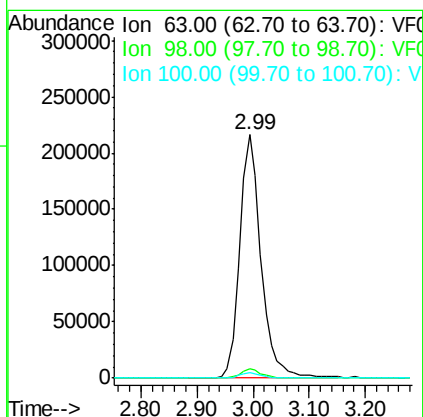
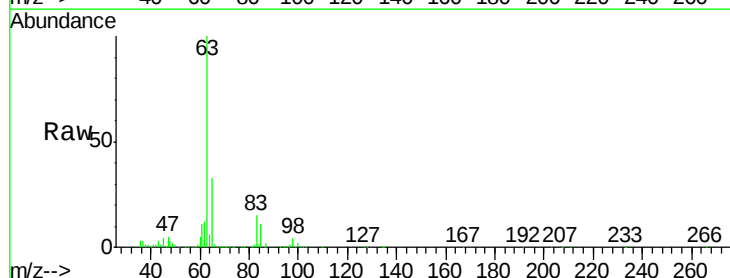
Tgt Ion: 63 Resp: 570714

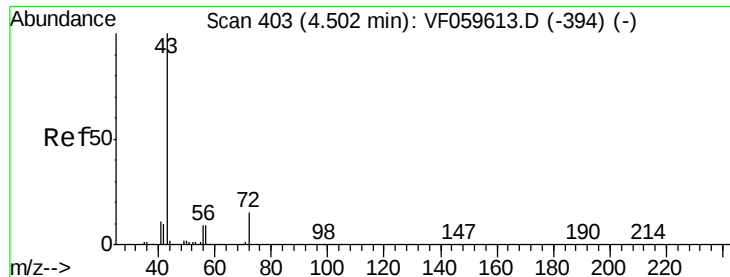
Ion Ratio Lower Upper

63 100

98 3.7 1.9 5.7

100 2.4 1.2 3.6





#25

2-Butanone

Concen: 622.19 ug/l

RT: 4.50 min Scan# 403

Delta R.T. -0.00 min

Lab File: VF059616.D

Acq: 23 Jul 2018 15:42

Instrument :

MSVOA_F

ClientSampleId :

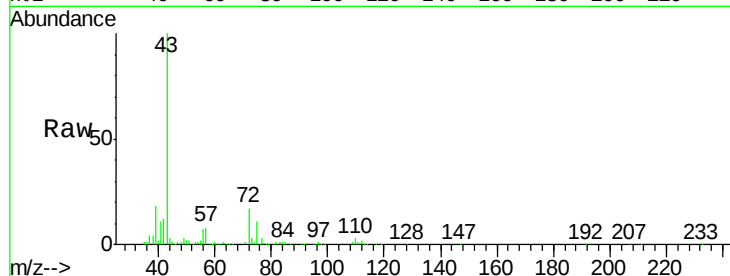
VSTDIC150

Tot Ion: 43 Resp: 464555

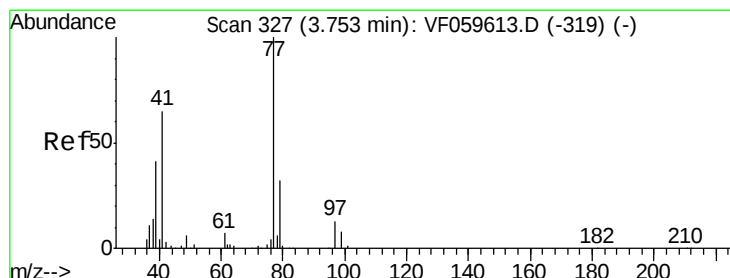
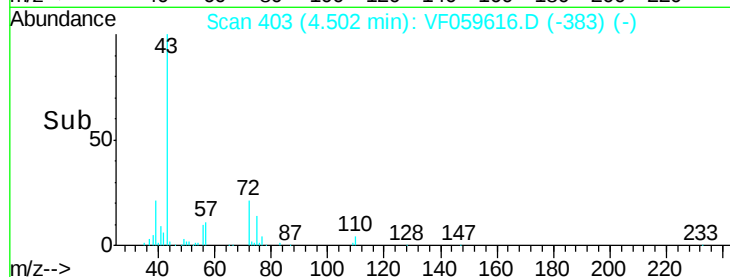
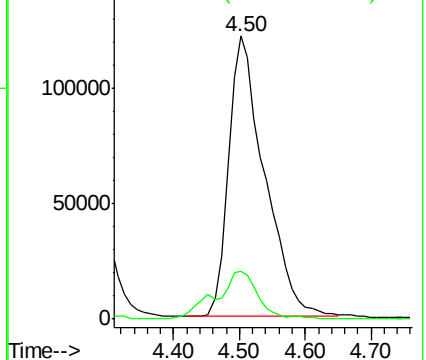
Ion Ratio Lower Upper

43 100

72 16.9 12.9 19.3



Abundance Ion 43.00 (42.70 to 43.70): VF059616.D (-383) (-)



#26

2,2-Dichloropropane

Concen: 123.54 ug/l

RT: 3.75 min Scan# 327

Delta R.T. -0.00 min

Lab File: VF059616.D

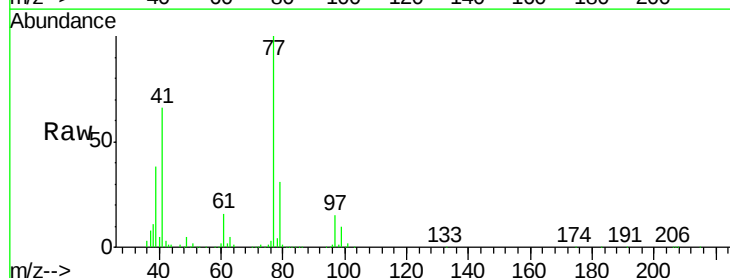
Acq: 23 Jul 2018 15:42

Tgt Ion: 77 Resp: 428679

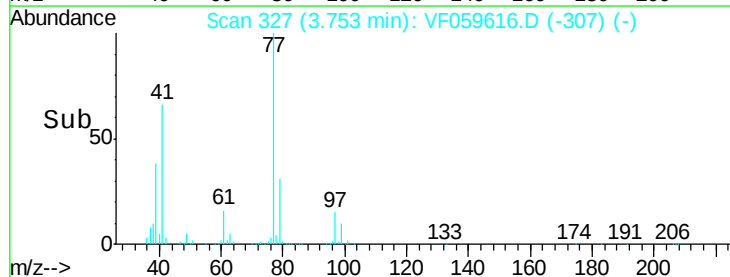
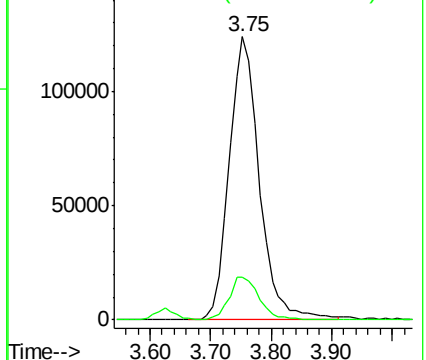
Ion Ratio Lower Upper

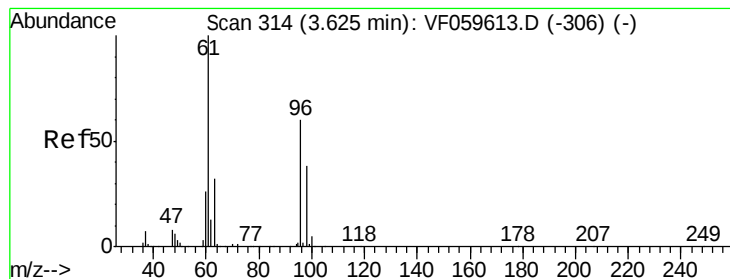
77 100

97 14.9 7.1 21.3



Abundance Ion 77.00 (76.70 to 77.70): VF059616.D (-307) (-)





#27

cis-1,2-Dichloroethene

Concen: 146.75 ug/l

RT: 3.62 min Scan# 314

Delta R.T. -0.00 min

Lab File: VF059616.D

Acq: 23 Jul 2018 15:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

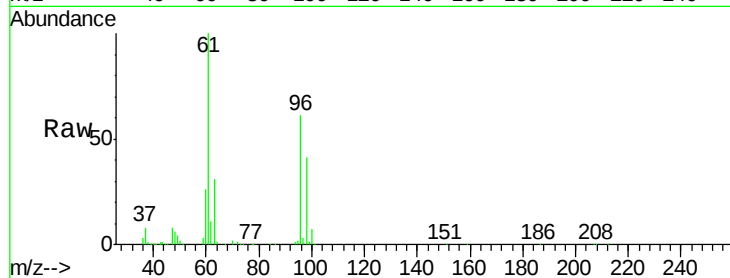
Tot Ion: 96 Resp: 313786

Ion Ratio Lower Upper

96 100

61 164.7 0.0 335.2

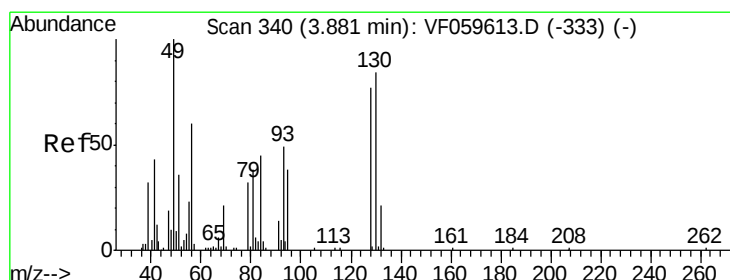
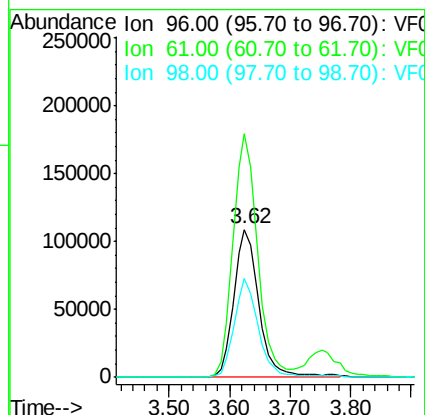
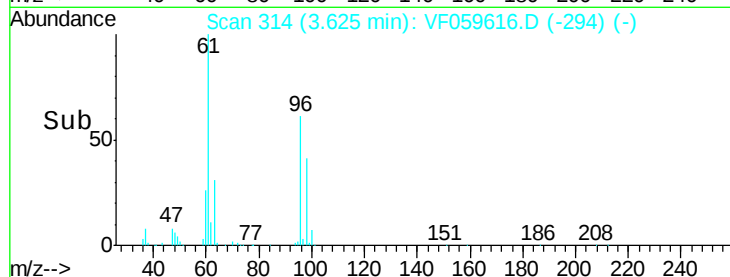
98 66.9 0.0 126.6



Abundance Ion 96.00 (95.70 to 96.70): VF059616.D (-294) (-)

Ion 61.00 (60.70 to 61.70): VF059616.D (-294) (-)

Ion 98.00 (97.70 to 98.70): VF059616.D (-294) (-)



#28

Bromochloromethane

Concen: 122.14 ug/l

RT: 3.88 min Scan# 340

Delta R.T. -0.00 min

Lab File: VF059616.D

Acq: 23 Jul 2018 15:42

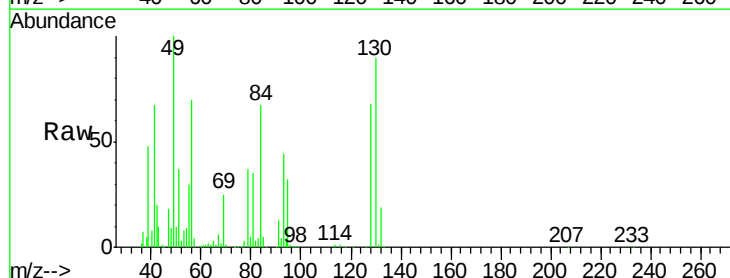
Tgt Ion: 49 Resp: 199353

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.6

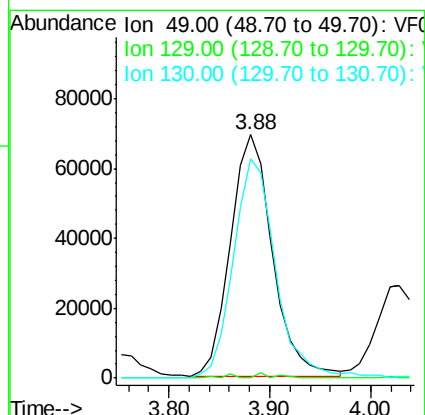
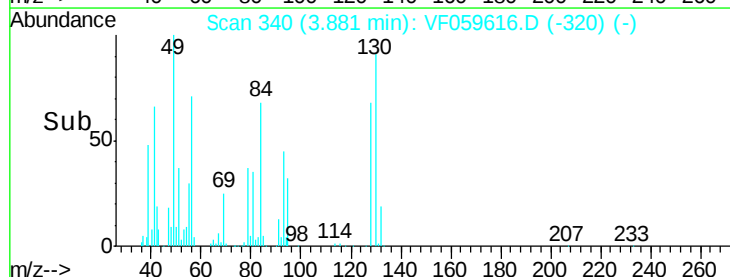
130 90.0 67.1 100.7

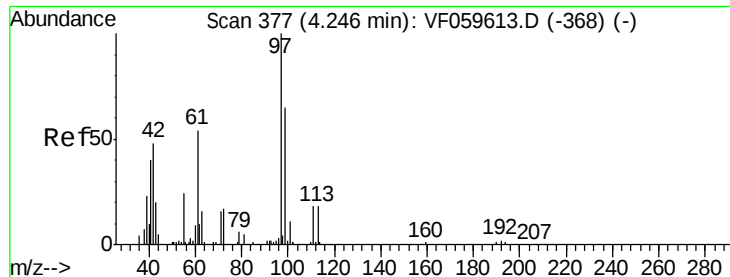


Abundance Ion 49.00 (48.70 to 49.70): VF059616.D (-320) (-)

Ion 129.00 (128.70 to 129.70): VF059616.D (-320) (-)

Ion 130.00 (129.70 to 130.70): VF059616.D (-320) (-)





#29

Tetrahydrofuran

Concen: 645.18 ug/l

RT: 4.25 min Scan# 377

Delta R.T. -0.00 min

Lab File: VF059616.D

Acq: 23 Jul 2018 15:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

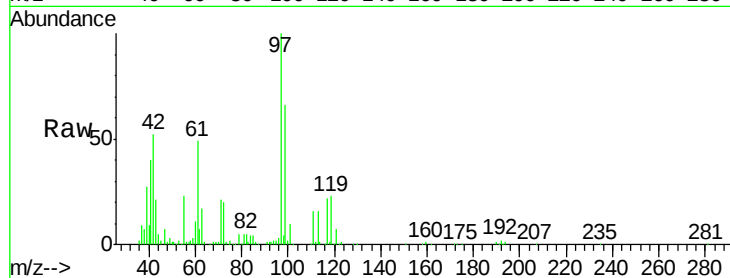
Tot Ion: 42 Resp: 198588

Ion Ratio Lower Upper

42 100

72 35.1 27.9 41.9

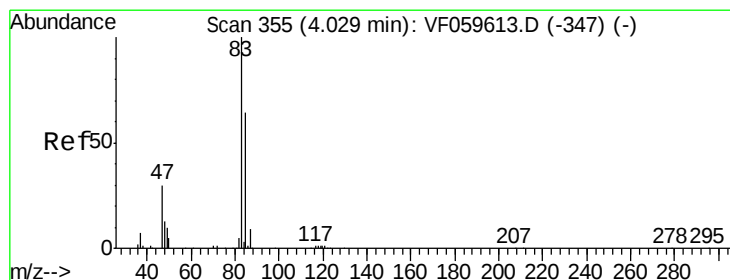
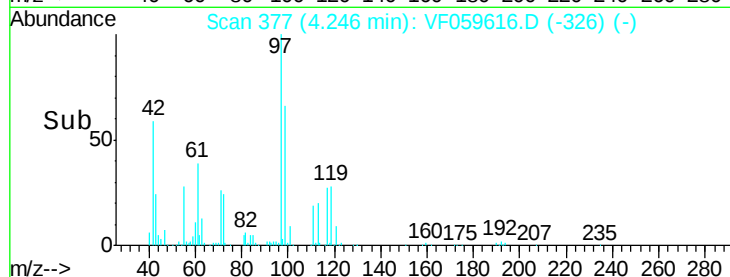
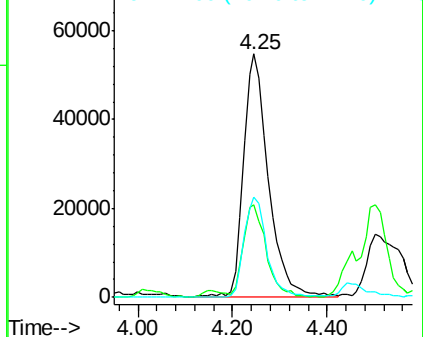
71 38.1 29.3 43.9



Abundance Ion 42.00 (41.70 to 42.70): VF059616.D (-326) (-)

Ion 72.00 (71.70 to 72.70): VF059616.D (-326) (-)

Ion 71.00 (70.70 to 71.70): VF059616.D (-326) (-)



#30

Chloroform

Concen: 128.02 ug/l

RT: 4.03 min Scan# 355

Delta R.T. -0.00 min

Lab File: VF059616.D

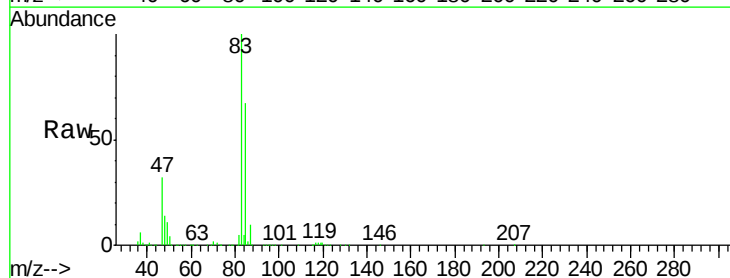
Acq: 23 Jul 2018 15:42

Tgt Ion: 83 Resp: 765645

Ion Ratio Lower Upper

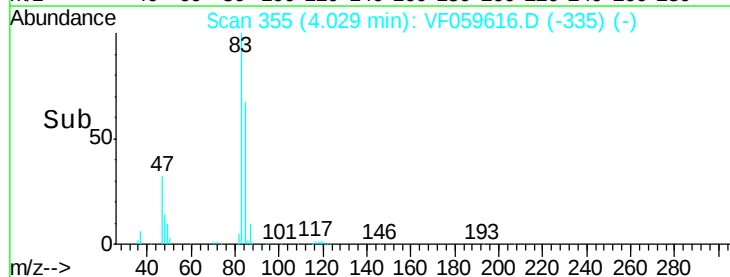
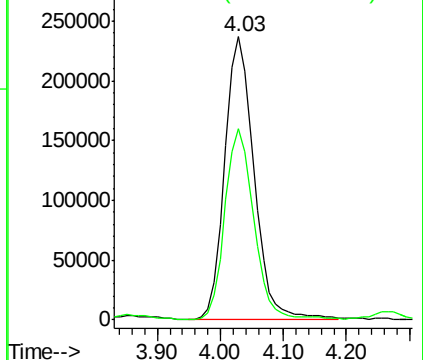
83 100

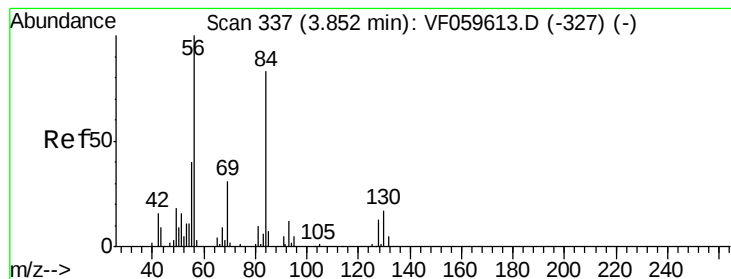
85 67.4 51.1 76.7



Abundance Ion 83.00 (82.70 to 83.70): VF059616.D (-335) (-)

Ion 85.00 (84.70 to 85.70): VF059616.D (-335) (-)





#31

Cyclohexane

Concen: 133.24 ug/l

RT: 3.86 min Scan# 338

Delta R.T. 0.01 min

Lab File: VF059616.D

Acq: 23 Jul 2018 15:42

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

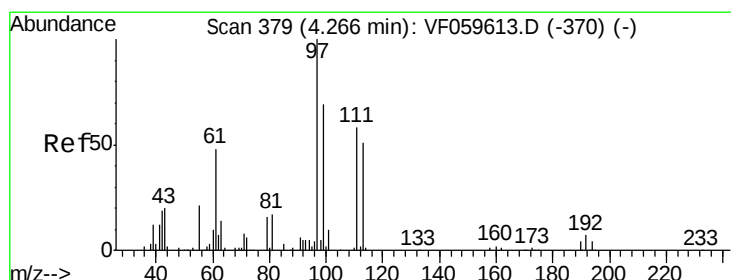
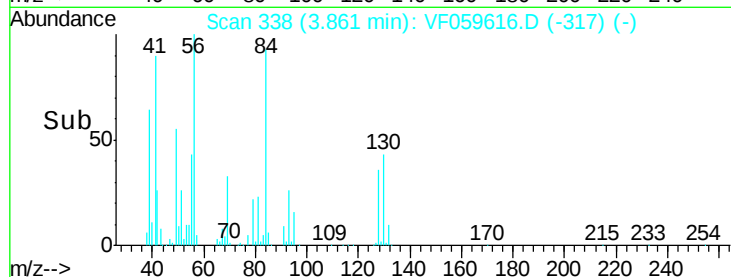
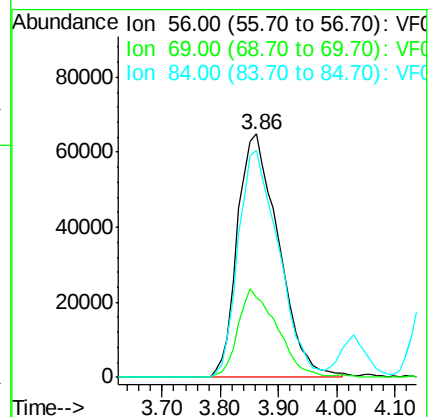
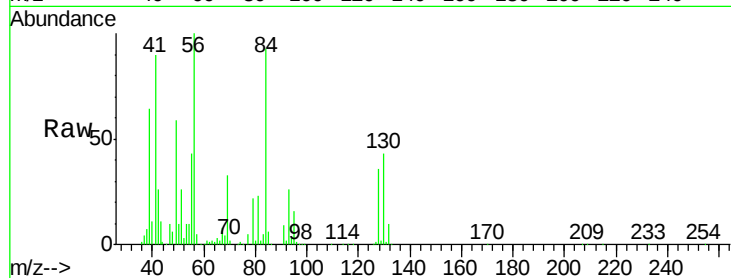
Tot Ion: 56 Resp: 320875

Ion Ratio Lower Upper

56 100

69 32.6 24.6 37.0

84 93.1 66.6 99.8



#32

1,1,1-Trichloroethane

Concen: 127.05 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.00 min

Lab File: VF059616.D

Acq: 23 Jul 2018 15:42

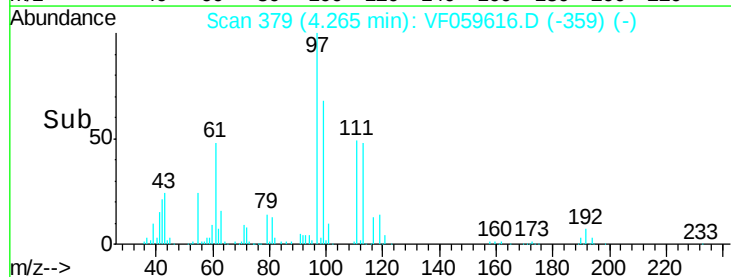
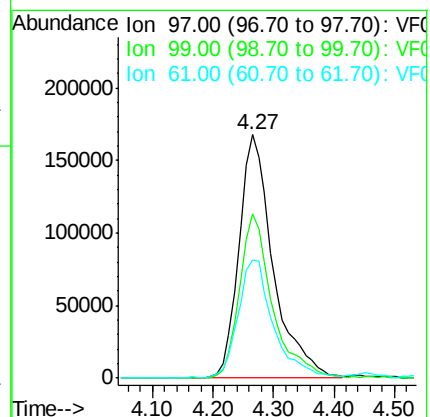
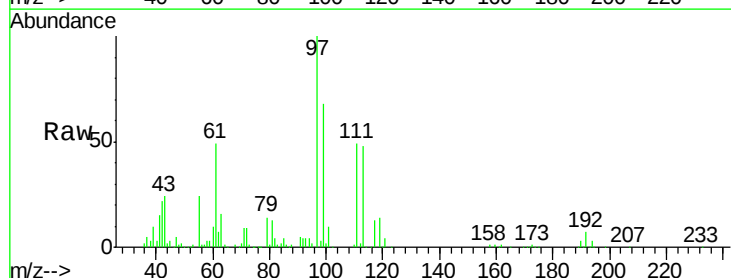
Tgt Ion: 97 Resp: 658832

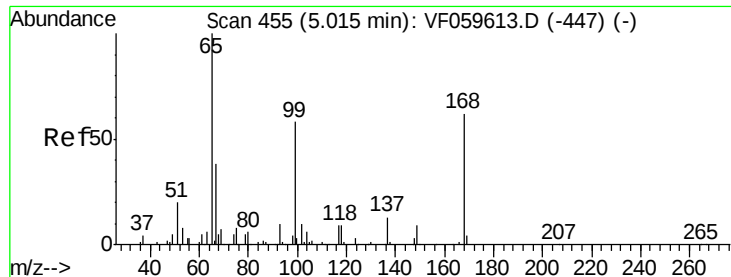
Ion Ratio Lower Upper

97 100

99 67.6 55.4 83.2

61 48.7 39.3 58.9

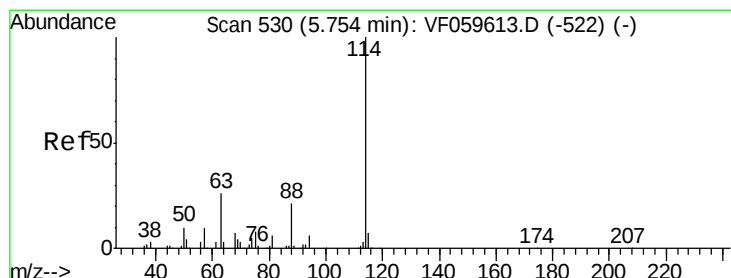
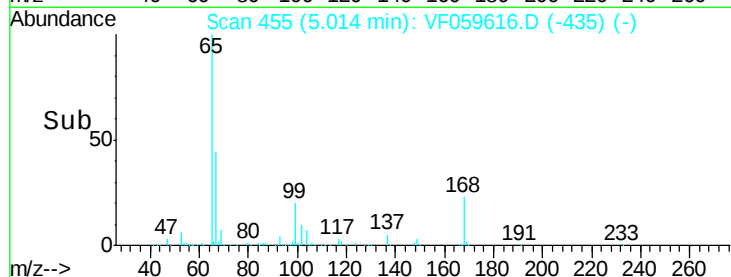
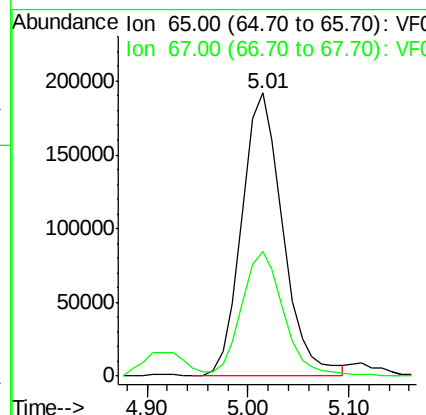
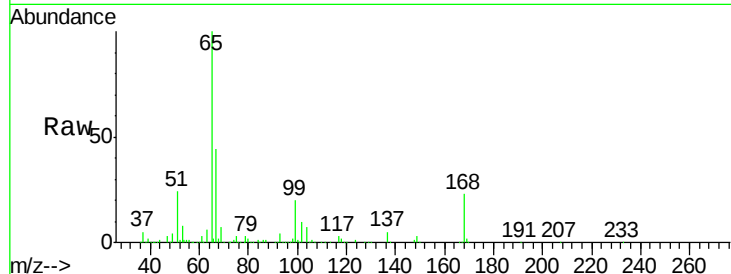




#33
 1,2-Dichloroethane-d4
 Concen: 135.32 ug/l
 RT: 5.01 min Scan# 455
 Delta R.T. -0.00 min
 Lab File: VF059616.D
 Acq: 23 Jul 2018 15:42

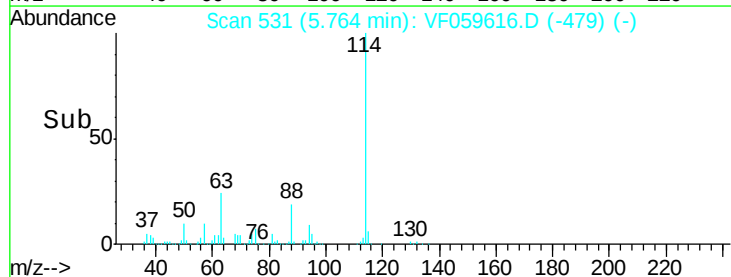
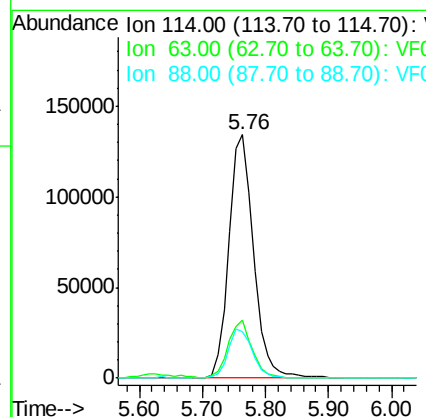
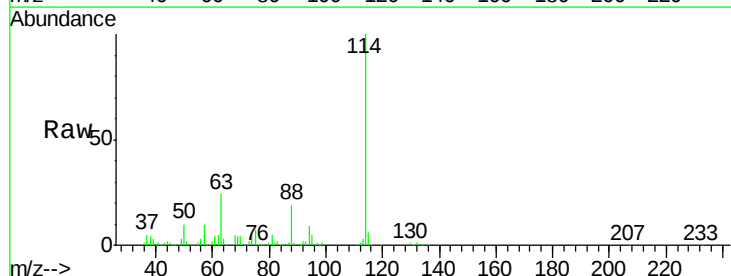
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

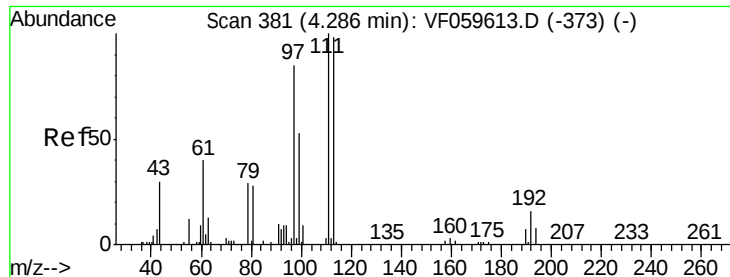
Tot Ion: 65 Resp: 545105
 Ion Ratio Lower Upper
 65 100
 67 44.2 0.0 83.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. 0.01 min
 Lab File: VF059616.D
 Acq: 23 Jul 2018 15:42

Tgt Ion: 114 Resp: 363681
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 51.8
 88 19.4 0.0 42.8

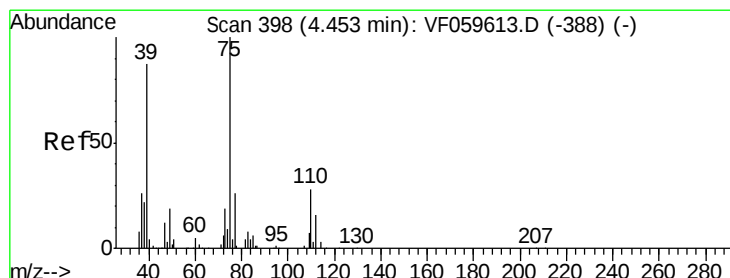
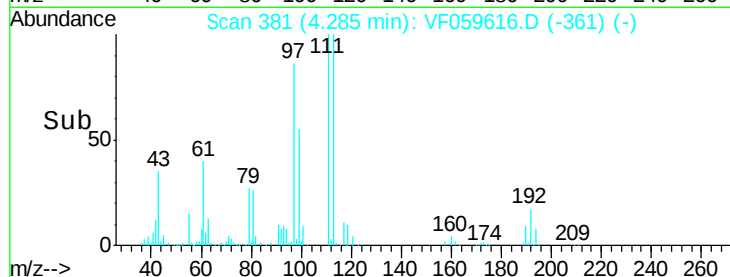
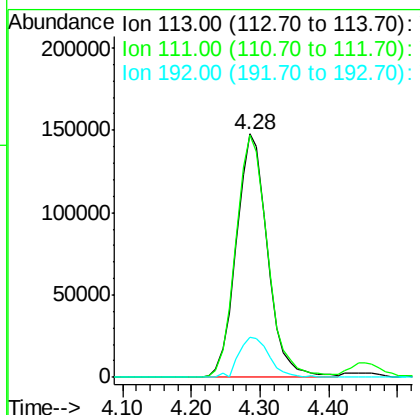
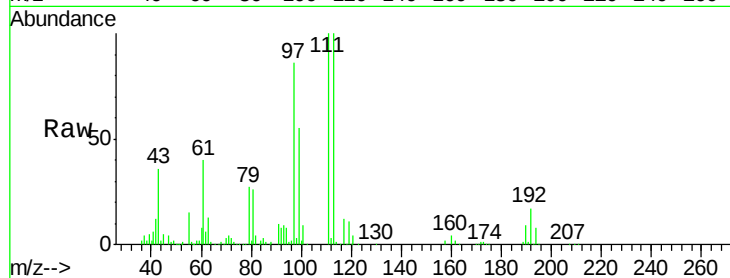




#35
 Dibromofluoromethane
 Concen: 140.72 ug/l
 RT: 4.28 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: VF059616.D
 Acq: 23 Jul 2018 15:42

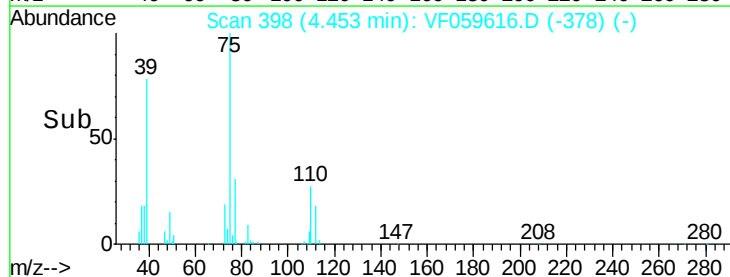
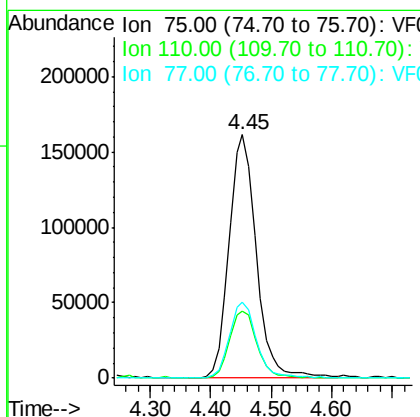
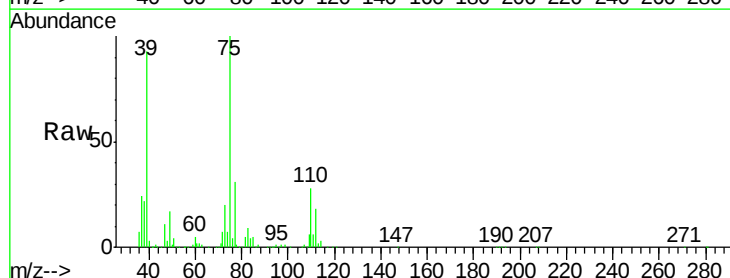
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

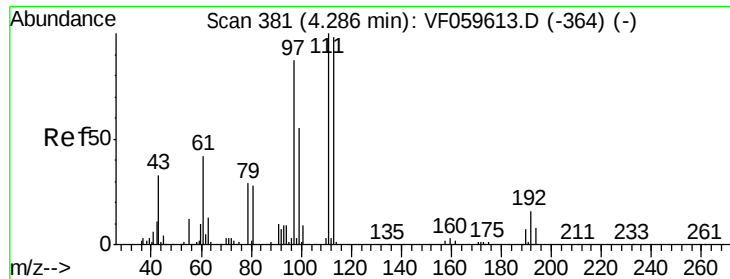
Tot Ion	Ratio	Lower	Upper
113	100		
111	99.7	81.5	122.3
192	16.6	13.4	20.2



#36
 1,1-Dichloropropene
 Concen: 136.76 ug/l
 RT: 4.45 min Scan# 398
 Delta R.T. -0.00 min
 Lab File: VF059616.D
 Acq: 23 Jul 2018 15:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	27.6	14.2	42.6
77	31.2	20.3	30.5#

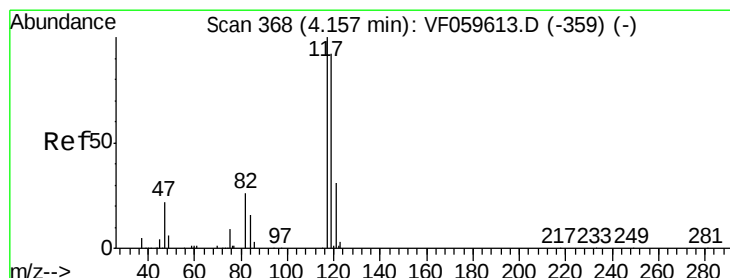
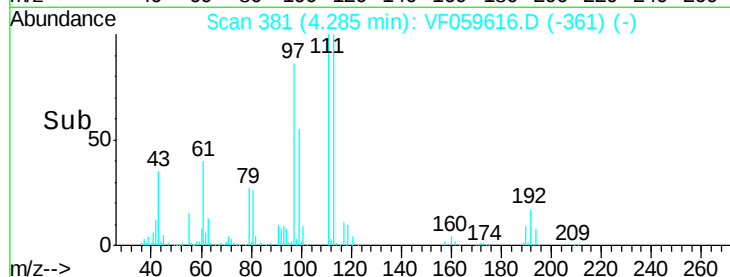
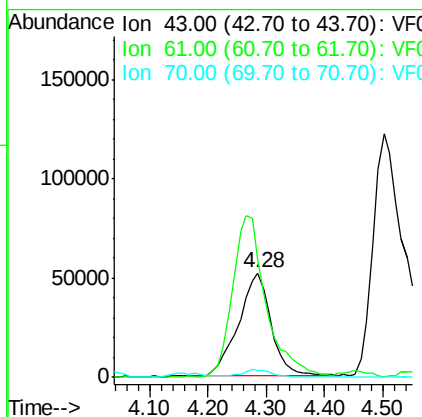
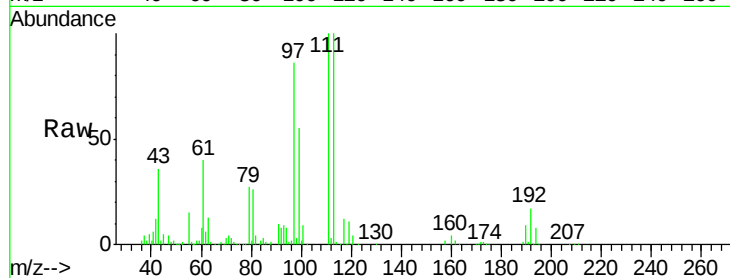




#37
Ethyl Acetate
Concen: 132.19 ug/l
RT: 4.28 min Scan# 381
Delta R.T. -0.00 min
Lab File: VF059616.D
Acq: 23 Jul 2018 15:42

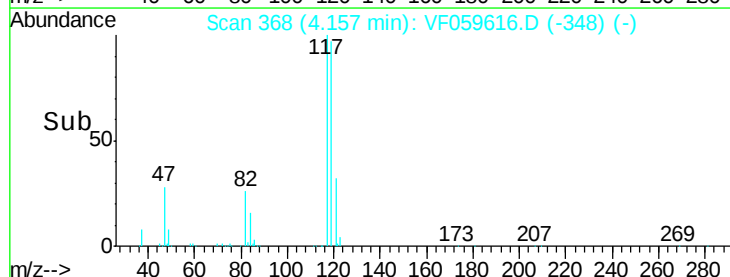
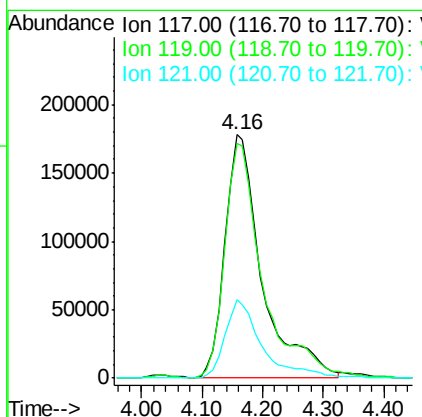
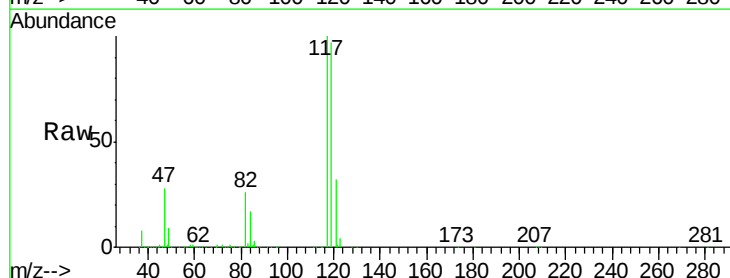
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

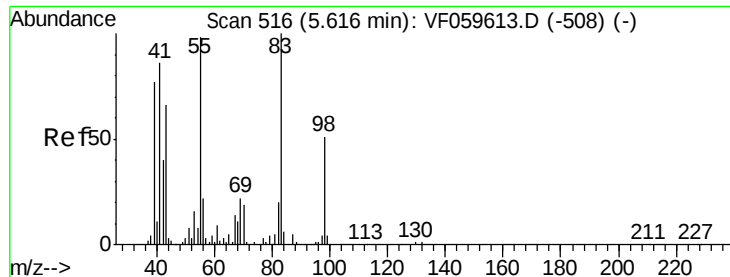
Tot Ion: 43 Resp: 205052
Ion Ratio Lower Upper
43 100
61 112.8 101.9 152.9
70 7.1 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 135.89 ug/l
RT: 4.16 min Scan# 368
Delta R.T. -0.00 min
Lab File: VF059616.D
Acq: 23 Jul 2018 15:42

Tgt Ion: 117 Resp: 758191
Ion Ratio Lower Upper
117 100
119 96.6 74.2 111.4
121 32.1 24.7 37.1

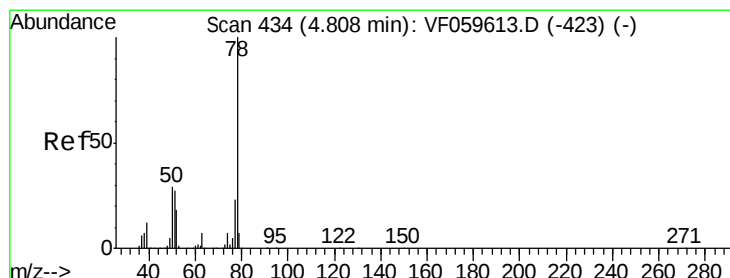
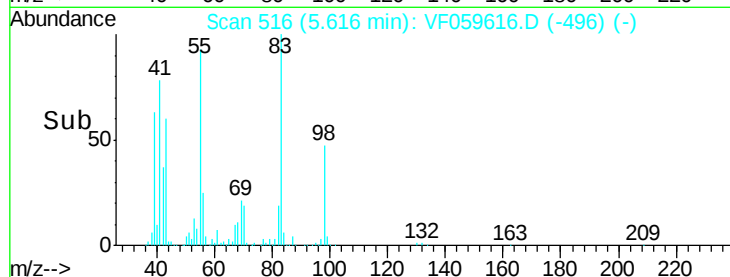
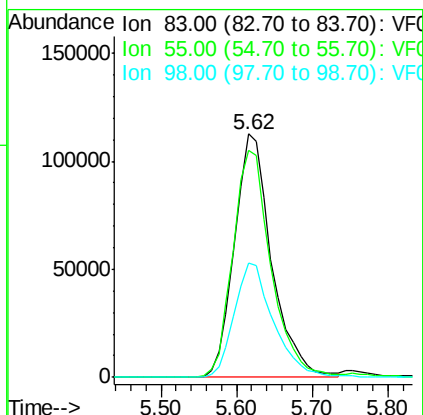
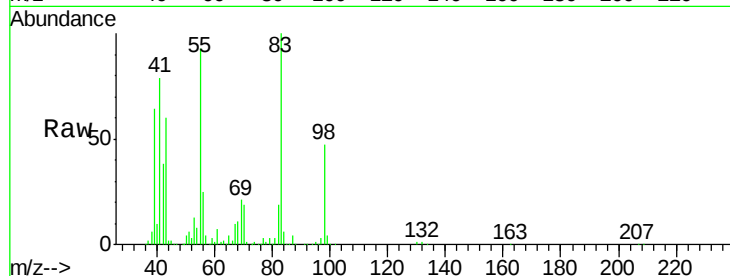




#39
Methvlcvclohexane
Concen: 129.85 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.00 min
Lab File: VF059616.D
Acq: 23 Jul 2018 15:42

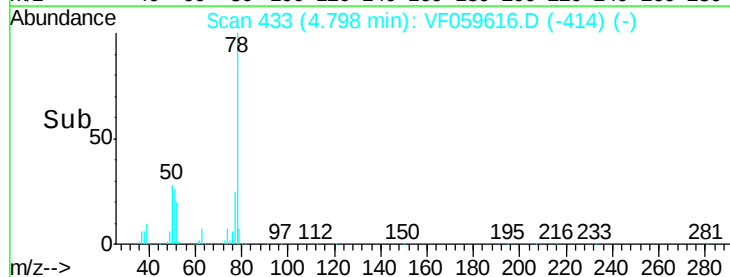
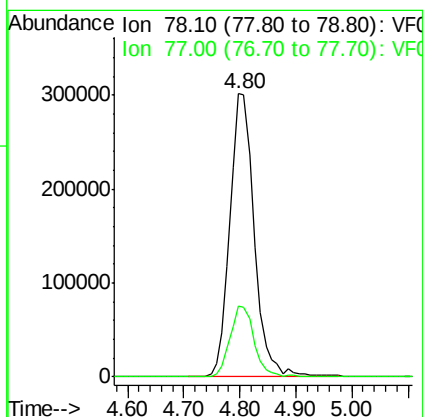
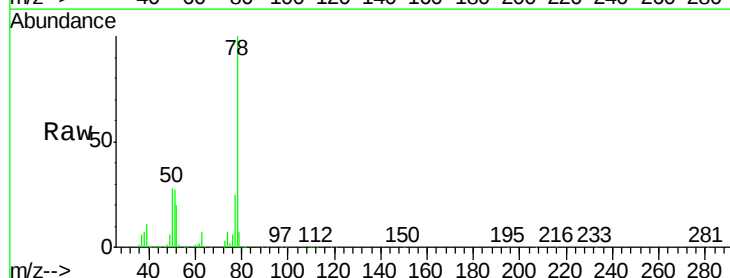
Instrument :
MSVOA_F
ClientSampleId :
VSTDICC150

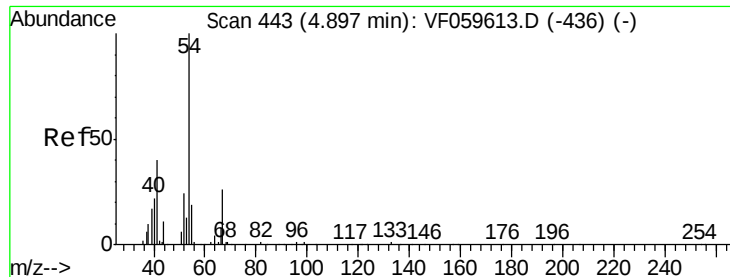
Tot Ion: 83 Resp: 384628
Ion Ratio Lower Upper
83 100
55 93.0 78.5 117.7
98 46.8 41.1 61.7



#40
Benzene
Concen: 134.06 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF059616.D
Acq: 23 Jul 2018 15:42

Tgt Ion: 78 Resp: 916032
Ion Ratio Lower Upper
78 100
77 25.2 18.4 27.6

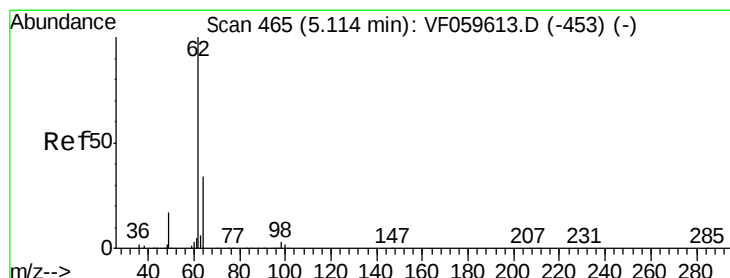
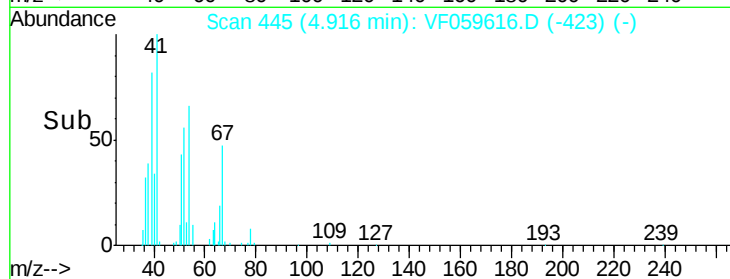
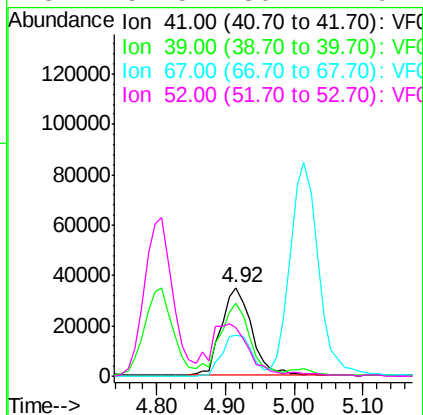
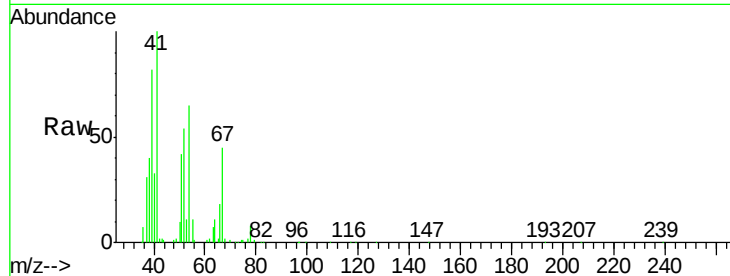




#41
Methacrylonitrile
Concen: 133.41 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.02 min
Lab File: VF059616.D
Acq: 23 Jul 2018 15:42

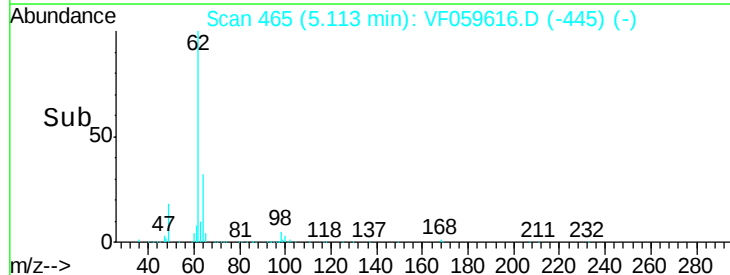
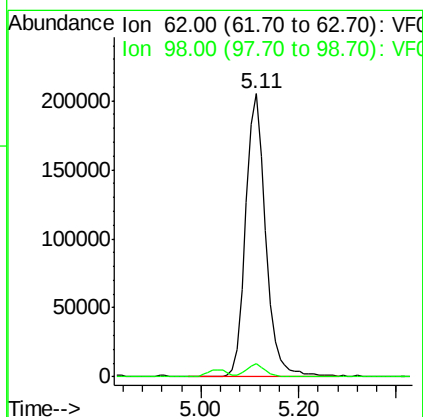
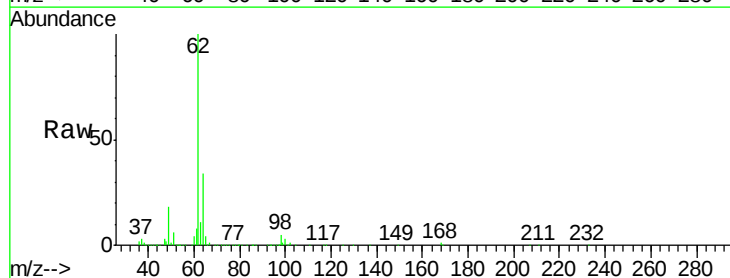
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

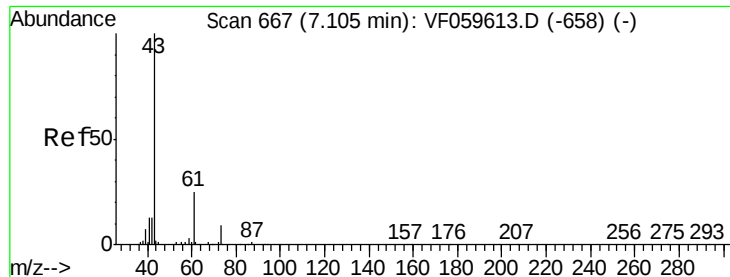
Tot Ion	Ratio	Lower	Upper
41	100		
39	82.2	58.2	87.4
67	45.5	51.0	76.6
52	54.5	80.1	120.1



#42
1,2-Dichloroethane
Concen: 128.70 ug/l
RT: 5.11 min Scan# 465
Delta R.T. -0.00 min
Lab File: VF059616.D
Acq: 23 Jul 2018 15:42

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.8	0.0	8.4



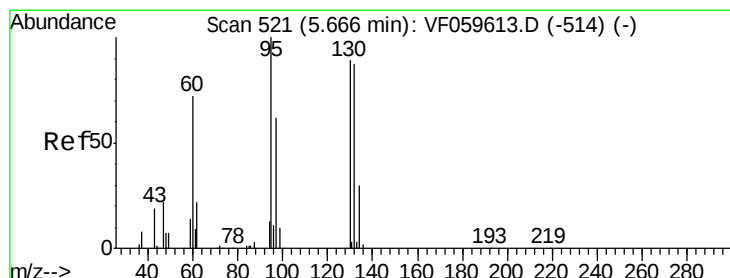
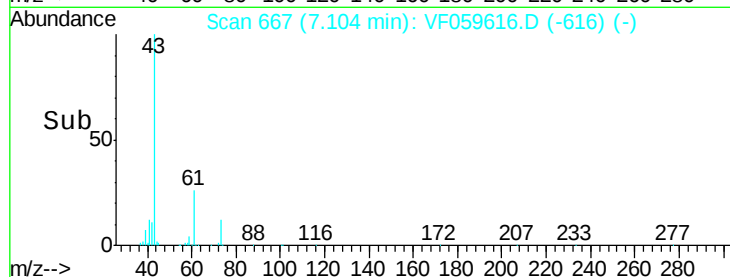
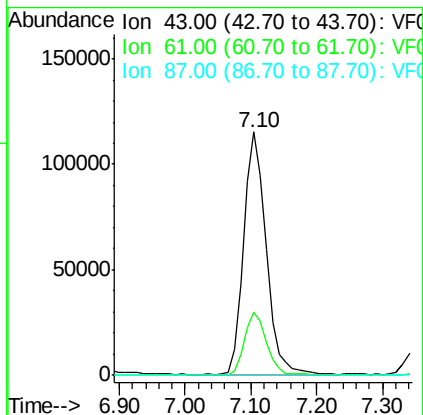
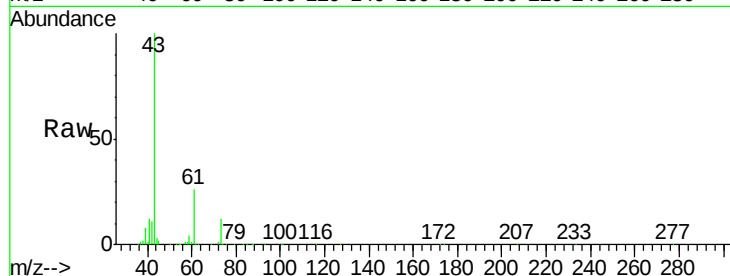


#43

Isopropyl Acetate
 Concen: 137.37 ug/l
 RT: 7.10 min Scan# 667
 Delta R.T. -0.00 min
 Lab File: VF059616.D
 Acq: 23 Jul 2018 15:42

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

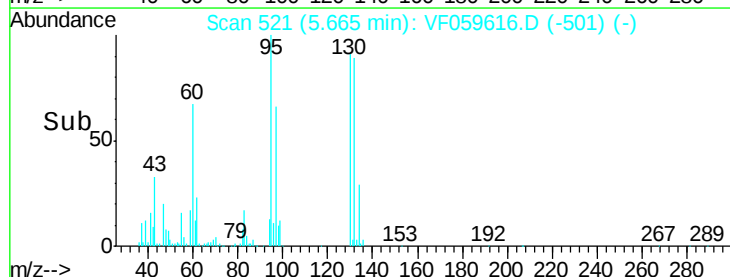
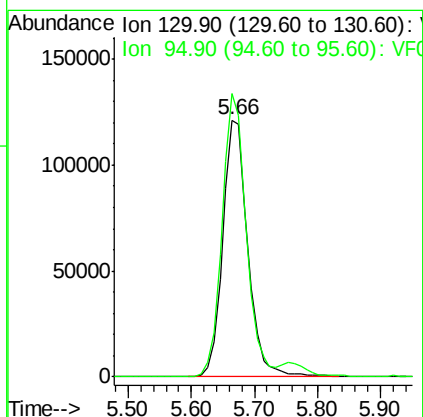
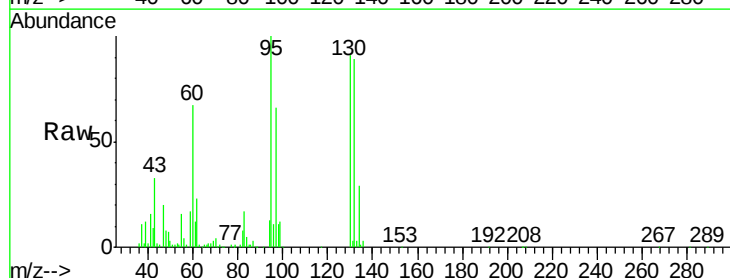
Tot Ion	Ratio	Lower	Upper
43	100		
61	25.8	20.1	30.1
87	0.4	0.5	0.7#

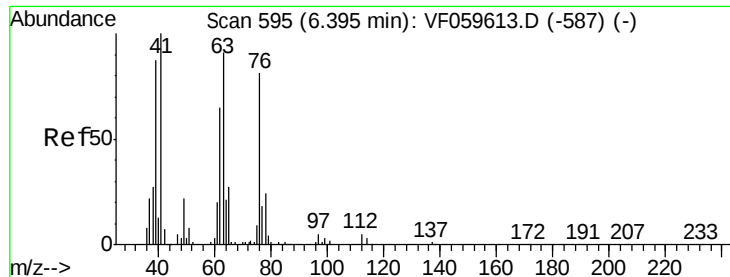


#44

Trichloroethene
 Concen: 128.09 ug/l
 RT: 5.66 min Scan# 521
 Delta R.T. -0.00 min
 Lab File: VF059616.D
 Acq: 23 Jul 2018 15:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	110.2	0.0	226.4





#45

1,2-Dichloropropane

Concen: 133.22 ug/l

RT: 6.39 min Scan# 595

Delta R.T. -0.00 min

Lab File: VF059616.D

Acq: 23 Jul 2018 15:42

Instrument :

MSVOA_F

ClientSampleId :

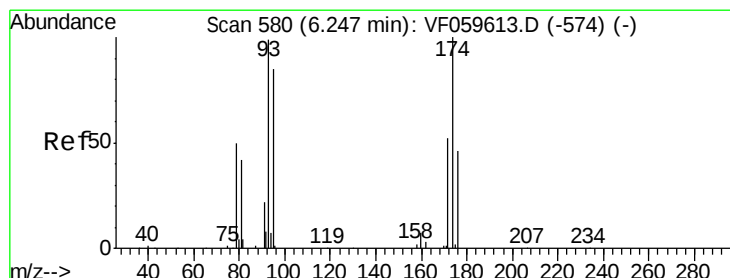
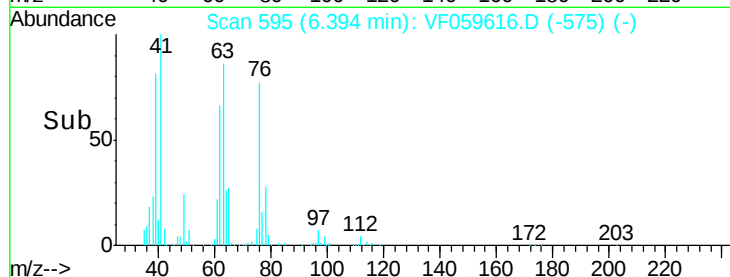
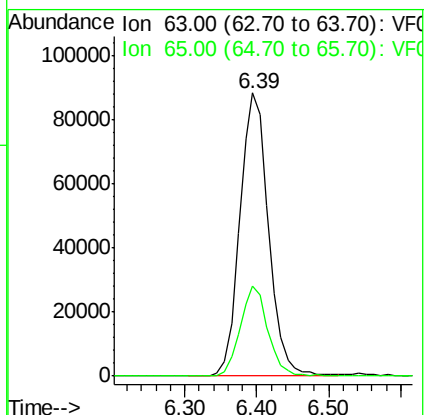
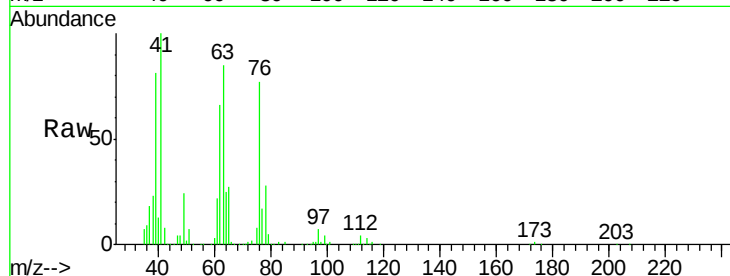
VSTDIC150

Tot Ion: 63 Resp: 245351

Ion Ratio Lower Upper

63 100

65 31.7 23.4 35.0



#46

Dibromomethane

Concen: 138.41 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.00 min

Lab File: VF059616.D

Acq: 23 Jul 2018 15:42

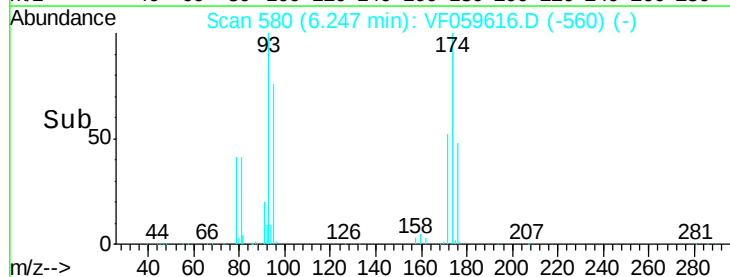
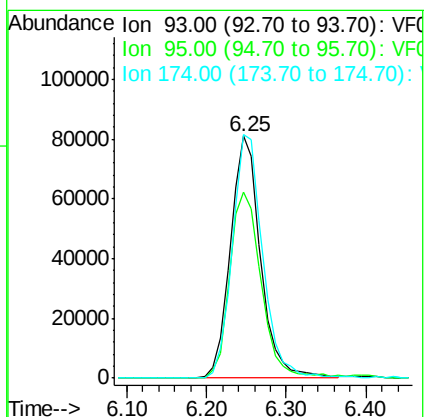
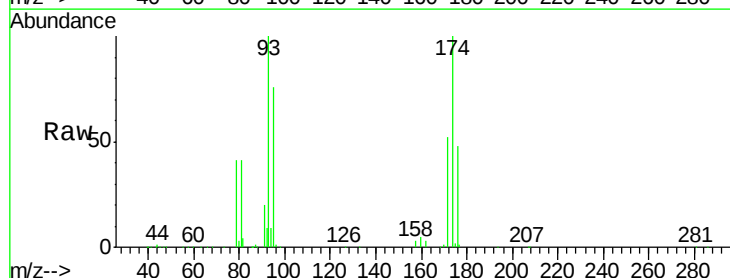
Tgt Ion: 93 Resp: 214003

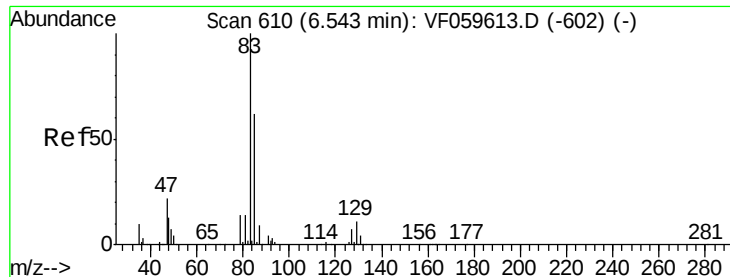
Ion Ratio Lower Upper

93 100

95 76.5 68.6 102.8

174 100.5 80.8 121.2





#47

Bromodichloromethane

Concen: 129.55 ug/l

RT: 6.54 min Scan# 610

Delta R.T. -0.00 min

Lab File: VF059616.D

Acq: 23 Jul 2018 15:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

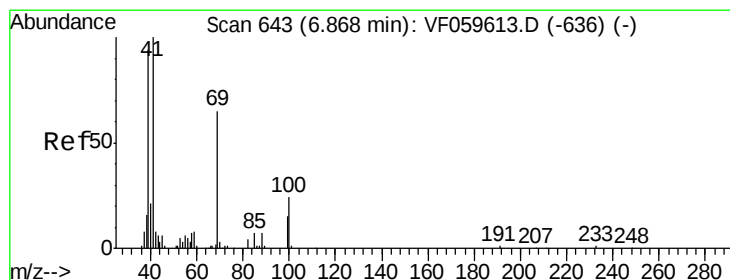
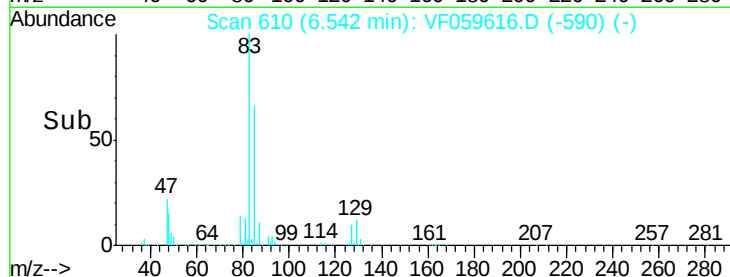
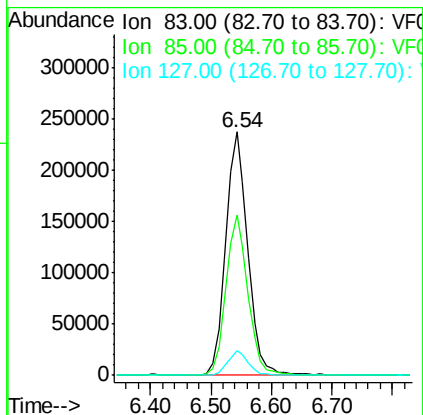
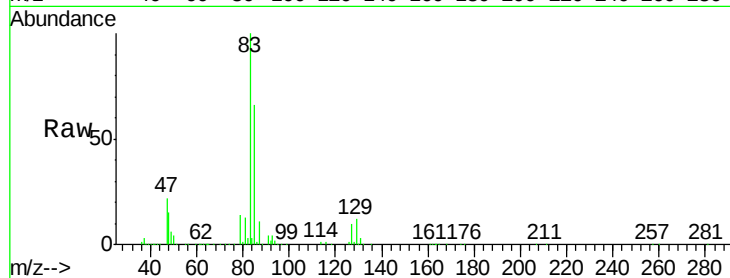
Tot Ion: 83 Resp: 597280

Ion Ratio Lower Upper

83 100

85 66.1 49.4 74.0

127 10.2 5.9 8.9#



#48

Methyl methacrylate

Concen: 134.95 ug/l

RT: 6.87 min Scan# 643

Delta R.T. -0.00 min

Lab File: VF059616.D

Acq: 23 Jul 2018 15:42

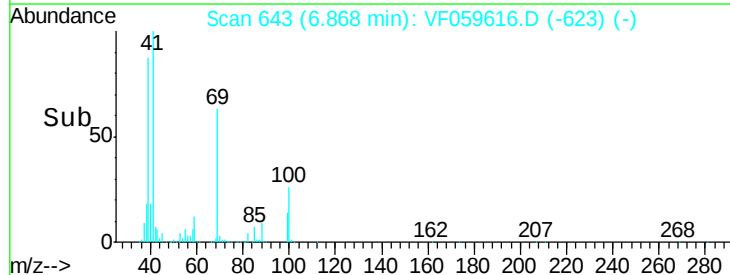
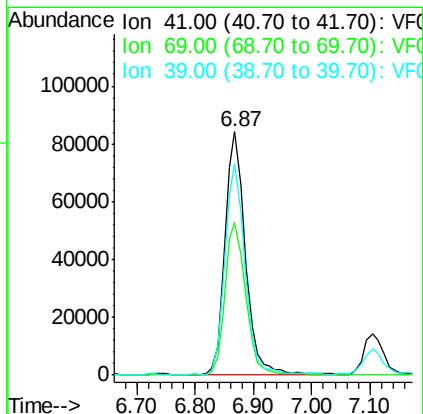
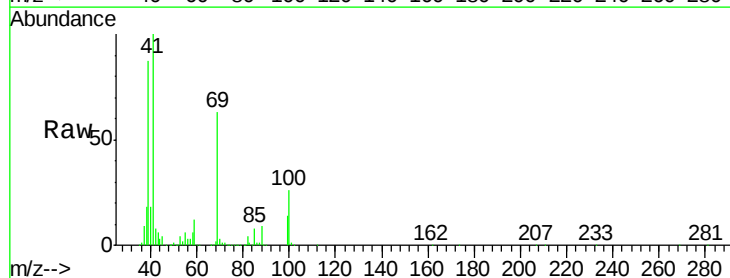
Tgt Ion: 41 Resp: 203466

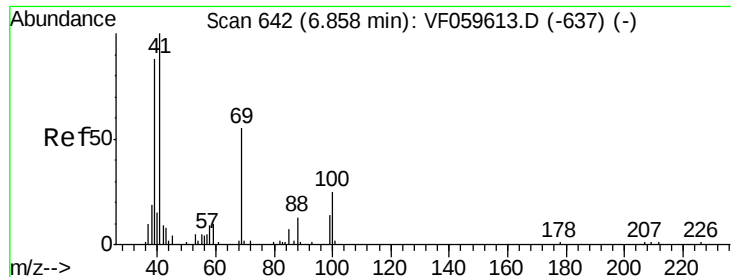
Ion Ratio Lower Upper

41 100

69 62.6 51.6 77.4

39 86.9 76.3 114.5





#49

1,4-Dioxane

Concen: 3199.27 ug/l

RT: 6.86 min Scan# 642

Delta R.T. -0.00 min

Lab File: VF059616.D

Acq: 23 Jul 2018 15:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

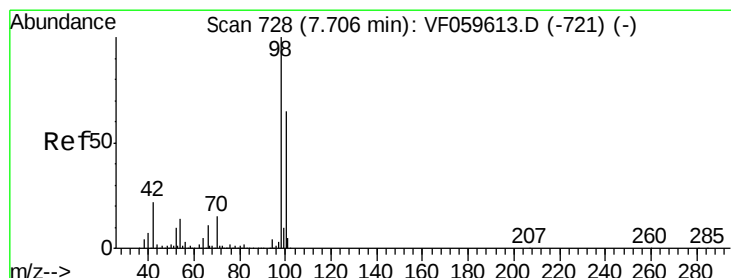
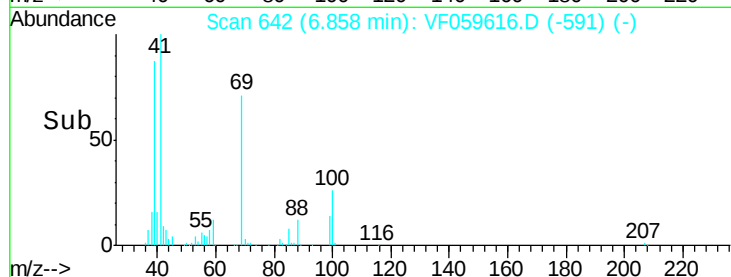
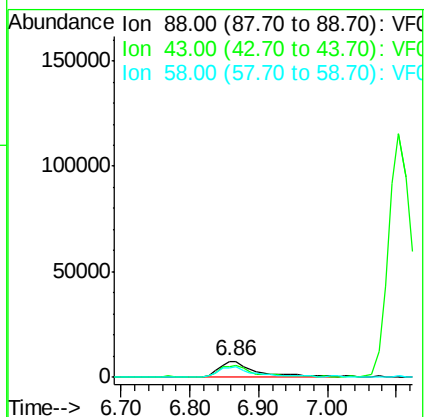
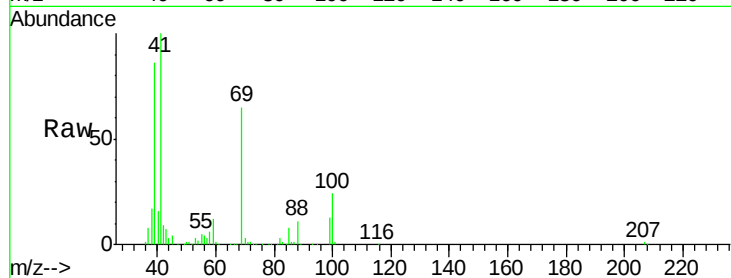
Tot Ion: 88 Resp: 29482

Ion Ratio Lower Upper

88 100

43 63.6 54.2 81.4

58 58.4 54.3 81.5



#50

Toluene-d8

Concen: 139.96 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.00 min

Lab File: VF059616.D

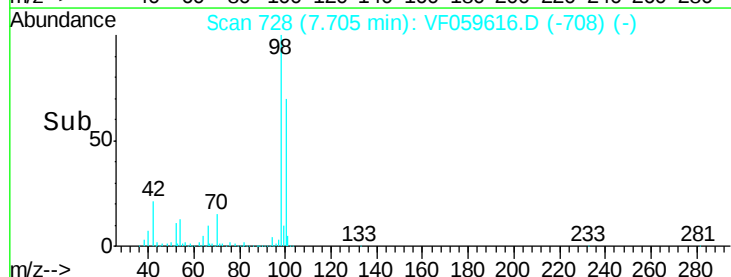
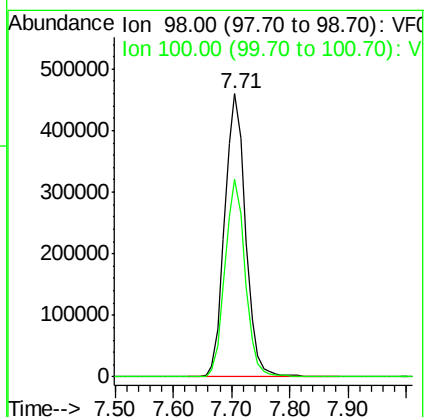
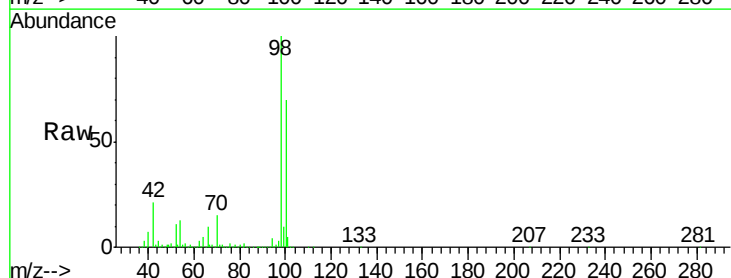
Acq: 23 Jul 2018 15:42

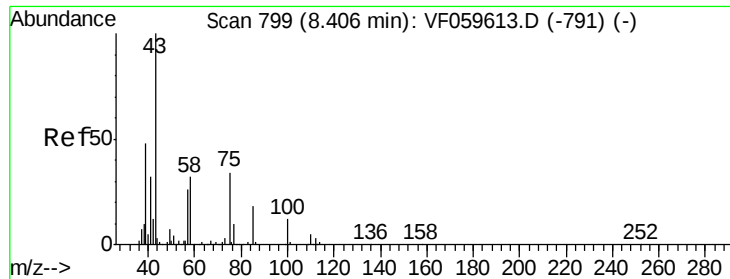
Tgt Ion: 98 Resp: 1147824

Ion Ratio Lower Upper

98 100

100 69.7 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 625.88 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF059616.D

Acq: 23 Jul 2018 15:42

Instrument :

MSVOA_F

ClientSampleId :

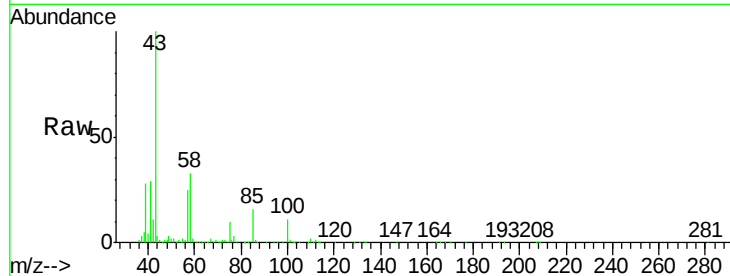
VSTDIC150

Tot Ion: 43 Resp: 893160

Ion Ratio Lower Upper

43 100

58 33.4 25.8 38.6



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

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

8.40

400000

300000

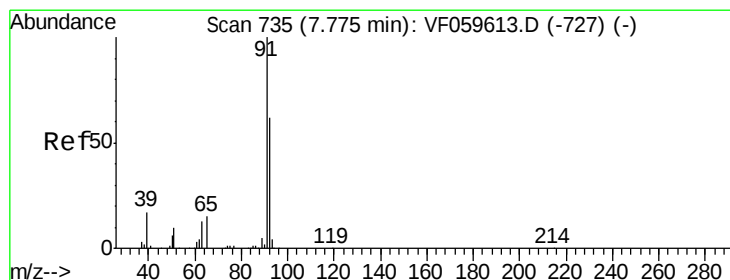
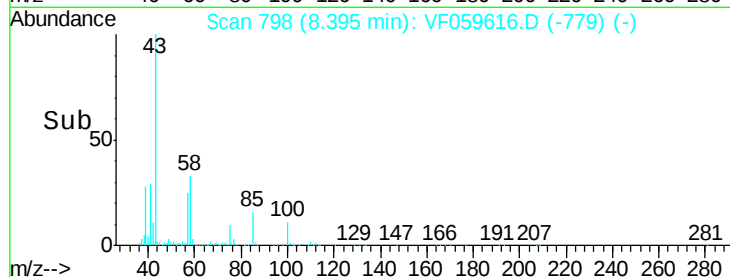
200000

100000

0

8.30 8.40 8.50

Time-->



#52

Toluene

Concen: 130.20 ug/l

RT: 7.77 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF059616.D

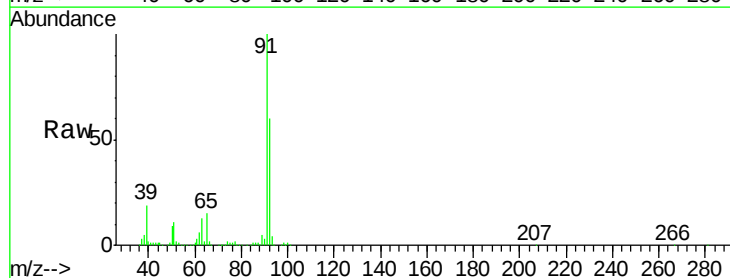
Acq: 23 Jul 2018 15:42

Tgt Ion: 92 Resp: 666536

Ion Ratio Lower Upper

92 100

91 166.9 129.8 194.8



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

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

7.77

500000

400000

300000

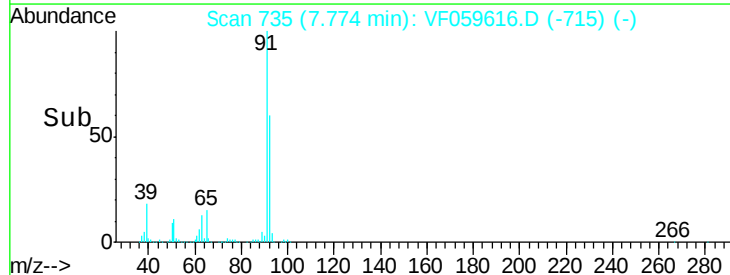
200000

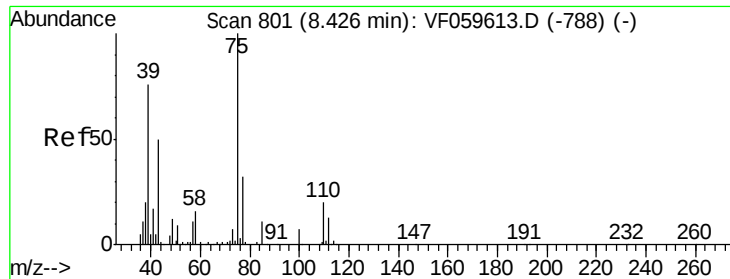
100000

0

7.60 7.70 7.80 7.90 8.00

Time-->





#53

t-1,3-Dichloropropene

Concen: 128.34 ug/l

RT: 8.43 min Scan# 801

Delta R.T. -0.00 min

Lab File: VF059616.D

Acq: 23 Jul 2018 15:42

Instrument :

MSVOA_F

ClientSampleId :

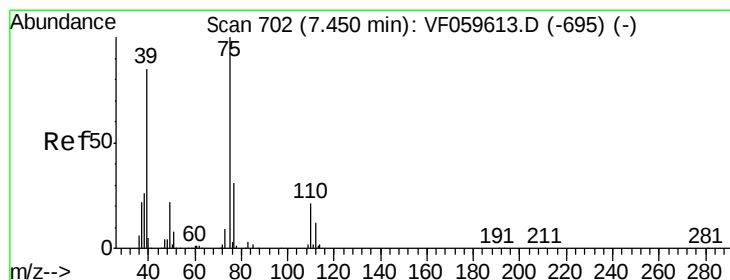
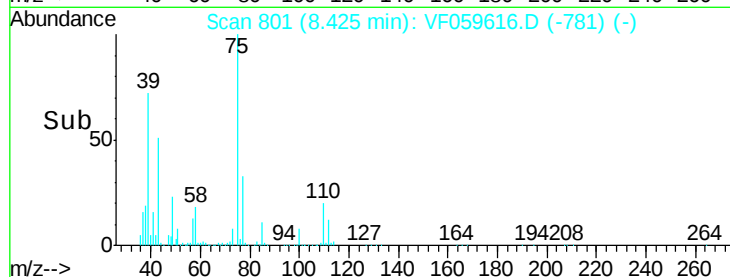
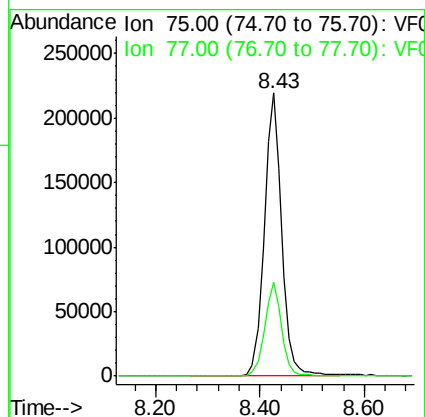
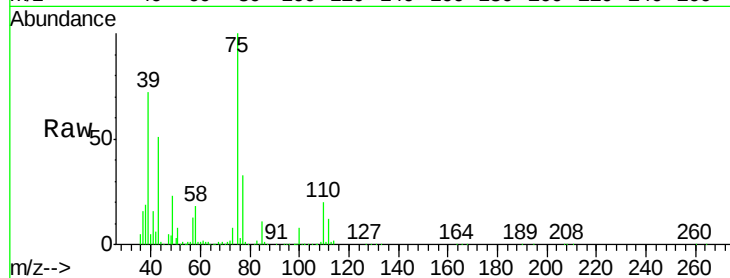
VSTDIC150

Tot Ion: 75 Resp: 503024

Ion Ratio Lower Upper

75 100

77 33.1 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 137.17 ug/l

RT: 7.45 min Scan# 702

Delta R.T. -0.00 min

Lab File: VF059616.D

Acq: 23 Jul 2018 15:42

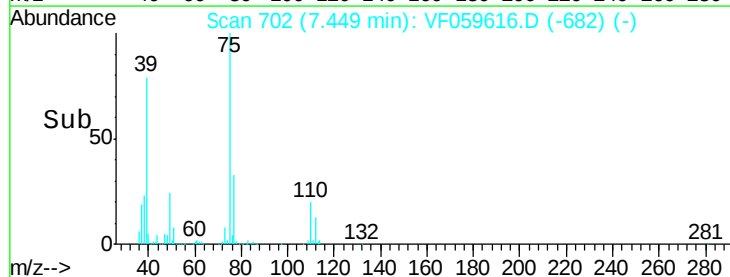
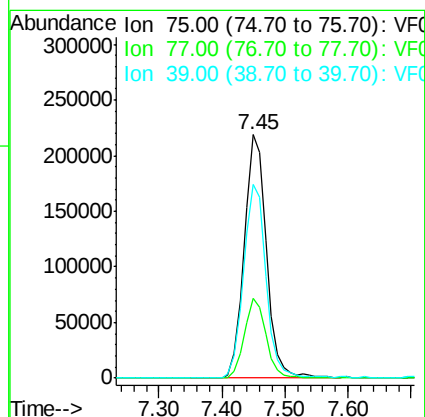
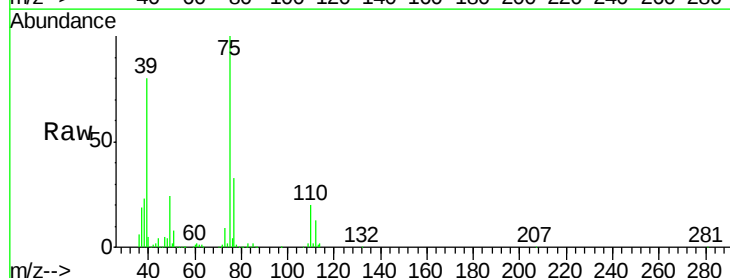
Tgt Ion: 75 Resp: 532969

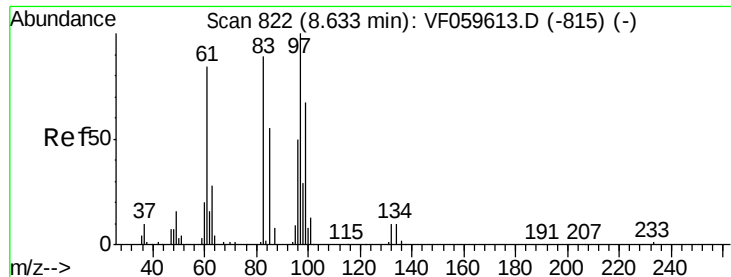
Ion Ratio Lower Upper

75 100

77 32.8 24.6 37.0

39 79.5 67.8 101.6





#55

1,1,2-Trichloroethane

Concen: 131.73 ug/l

RT: 8.63 min Scan# 822

Delta R.T. -0.00 min

Lab File: VF059616.D

Acq: 23 Jul 2018 15:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 97 Resp: 235445

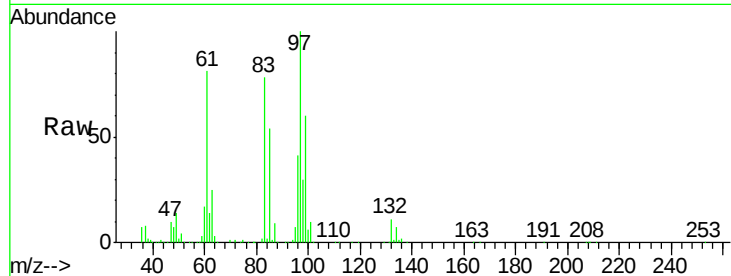
Ion Ratio Lower Upper

97 100

83 78.4 71.8 107.6

85 54.4 43.9 65.9

99 59.5 53.5 80.3

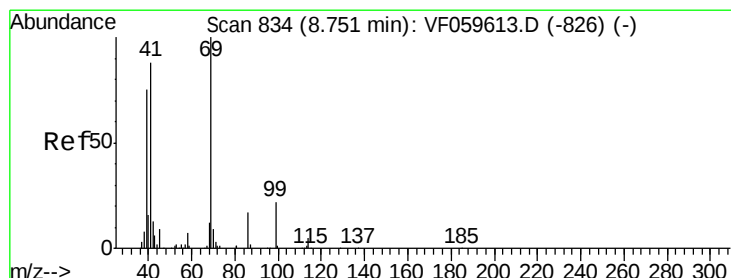
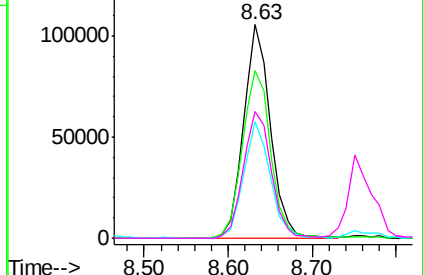
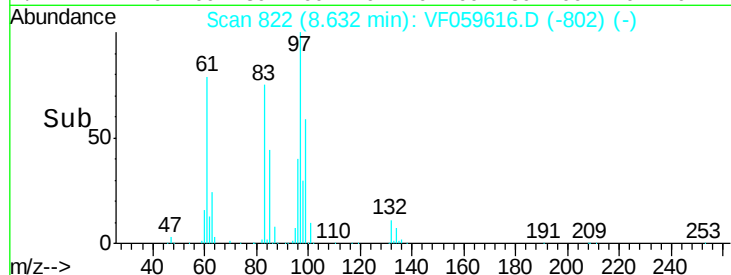


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 183.36 ug/l

RT: 8.75 min Scan# 834

Delta R.T. -0.00 min

Lab File: VF059616.D

Acq: 23 Jul 2018 15:42

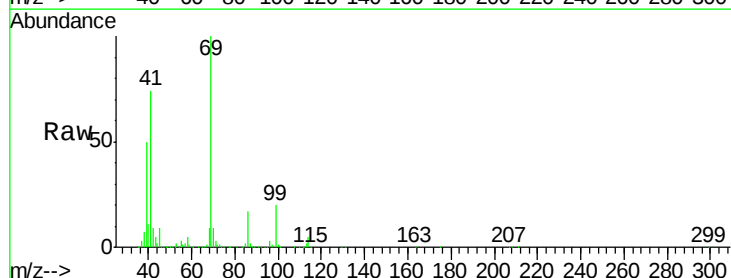
Tgt Ion: 69 Resp: 369969

Ion Ratio Lower Upper

69 100

41 73.5 70.8 106.2

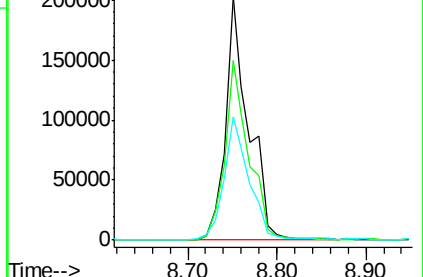
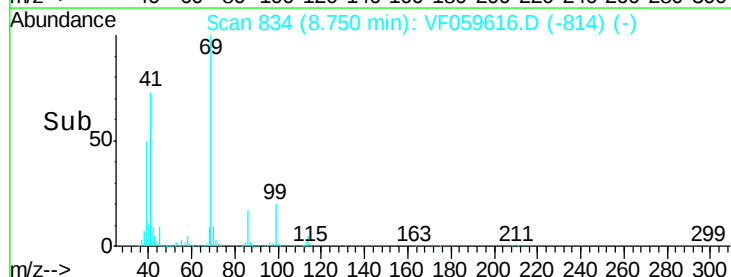
39 50.4 60.7 91.1#

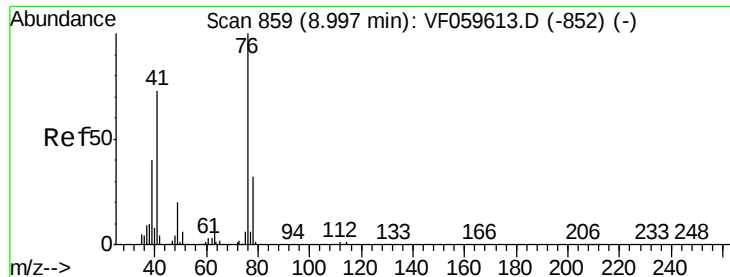


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 127.65 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.00 min

Lab File: VF059616.D

Acq: 23 Jul 2018 15:42

Instrument :

MSVOA_F

ClientSampleId :

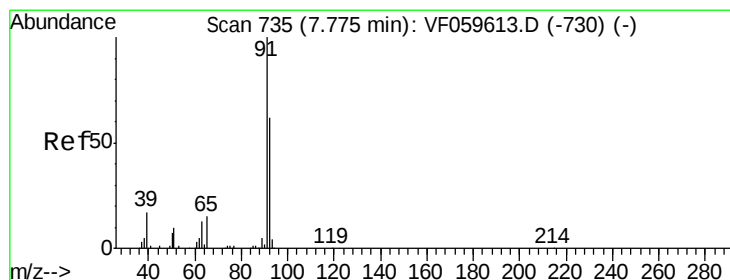
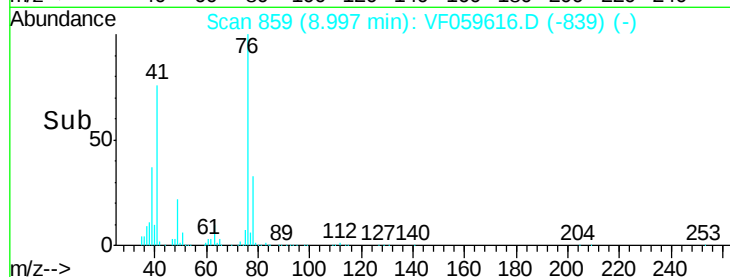
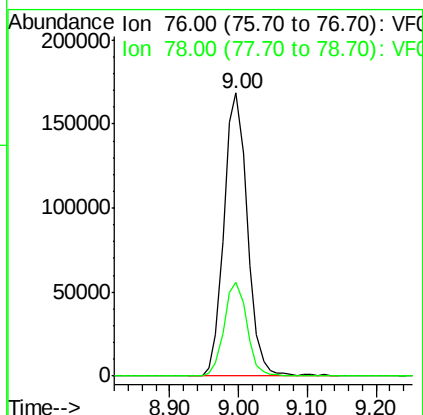
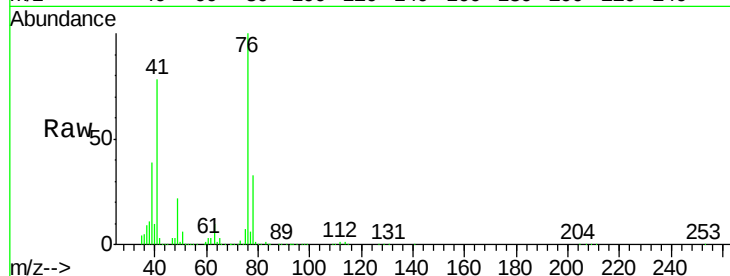
VSTDIC150

Tot Ion: 76 Resp: 398958

Ion Ratio Lower Upper

76 100

78 33.1 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 629.58 ug/l

RT: 7.77 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF059616.D

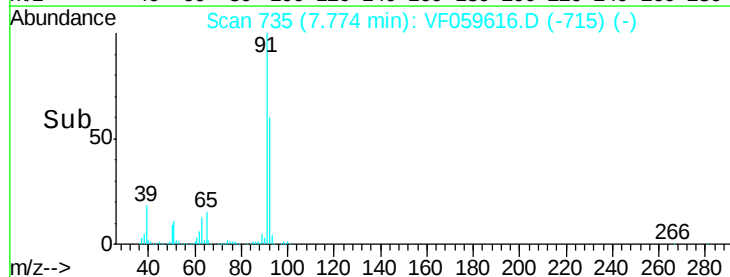
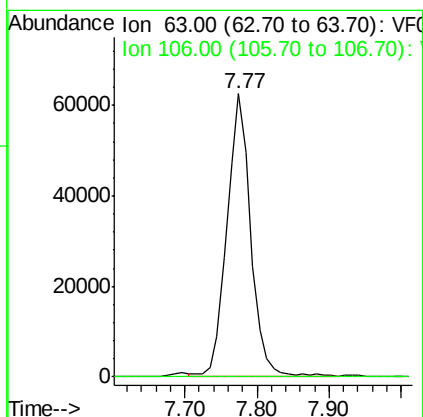
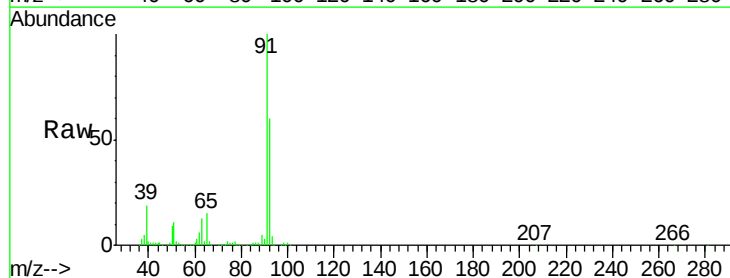
Acq: 23 Jul 2018 15:42

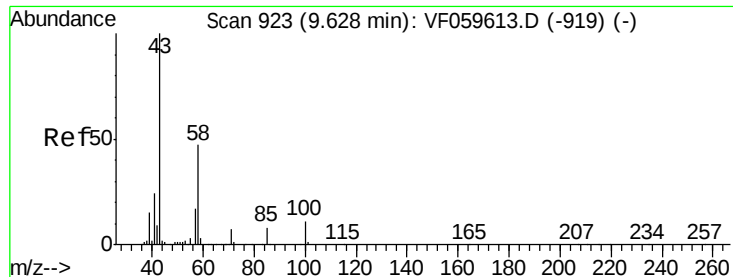
Tgt Ion: 63 Resp: 141253

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

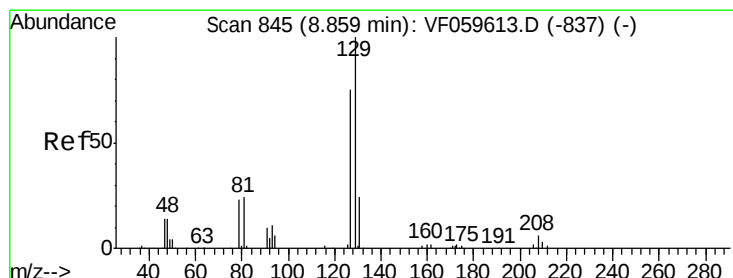
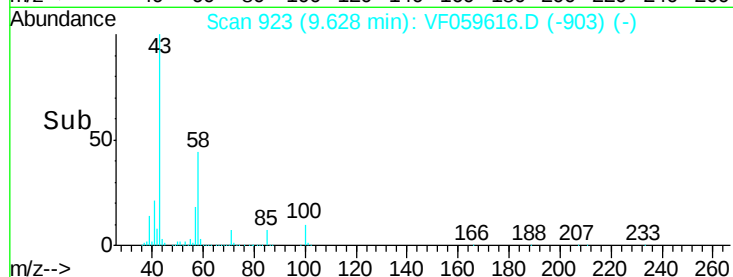
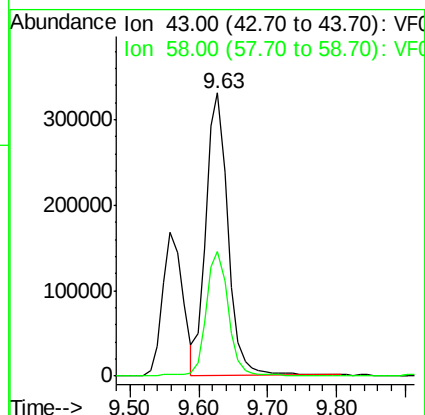
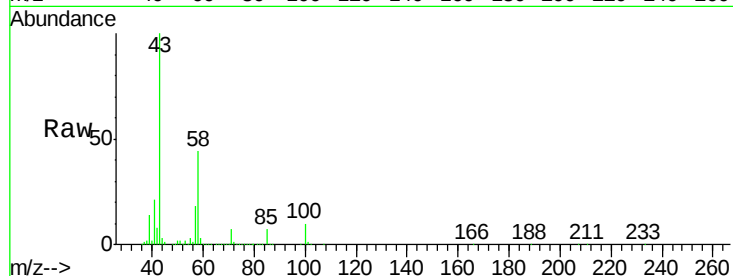




#59
2-Hexanone
Concen: 638.85 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF059616.D
Acq: 23 Jul 2018 15:42

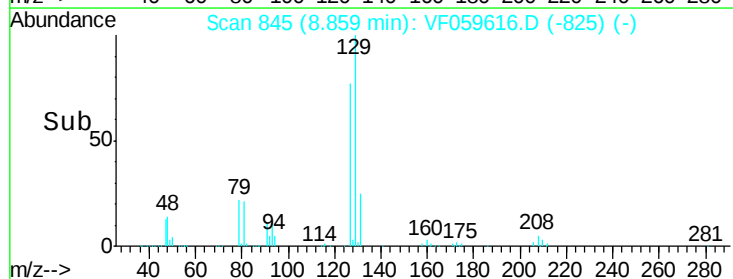
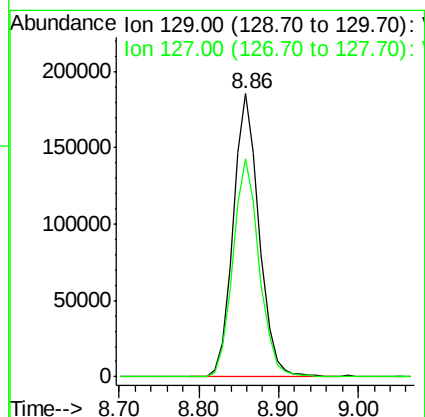
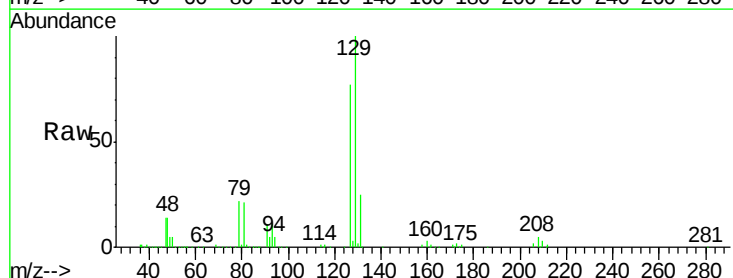
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

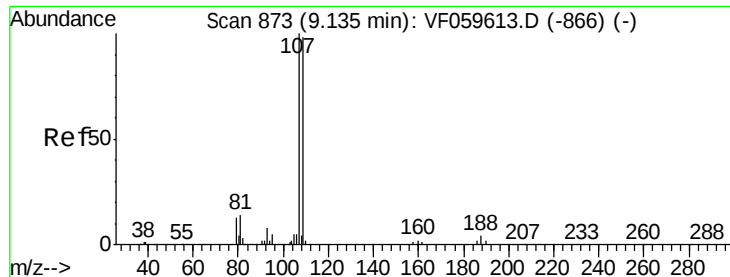
Tot Ion: 43 Resp: 736741
Ion Ratio Lower Upper
43 100
58 44.1 21.1 63.4



#60
Dibromochloromethane
Concen: 133.61 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.00 min
Lab File: VF059616.D
Acq: 23 Jul 2018 15:42

Tgt Ion: 129 Resp: 421672
Ion Ratio Lower Upper
129 100
127 77.2 37.5 112.7





#61

1,2-Dibromoethane

Concen: 138.00 ug/l

RT: 9.13 min Scan# 873

Delta R.T. -0.00 min

Lab File: VF059616.D

Acq: 23 Jul 2018 15:42

Instrument :

MSVOA_F

ClientSampleId :

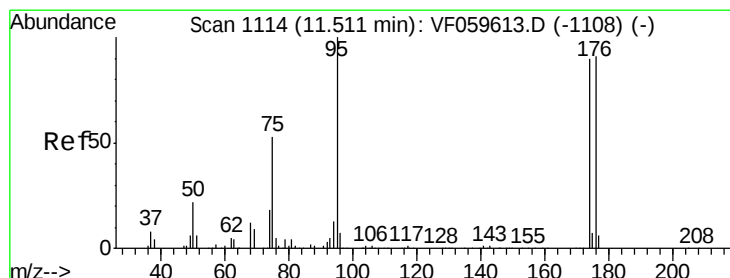
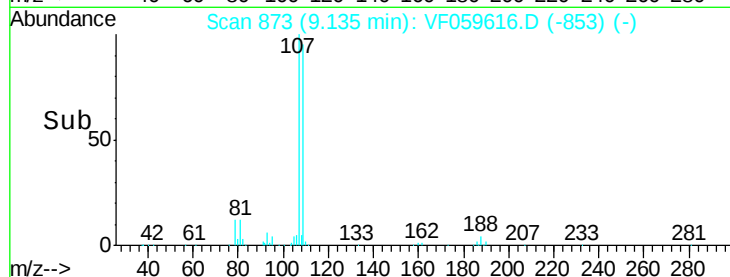
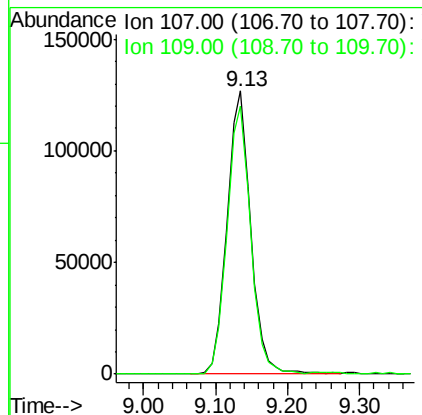
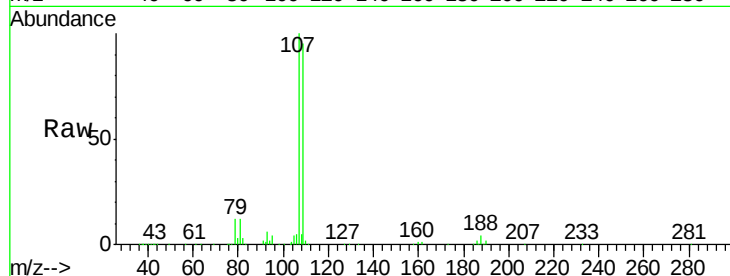
VSTDIC150

Tot Ion:107 Resp: 288685

Ion Ratio Lower Upper

107 100

109 94.5 78.2 117.4



#62

4-Bromofluorobenzene

Concen: 126.93 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VF059616.D

Acq: 23 Jul 2018 15:42

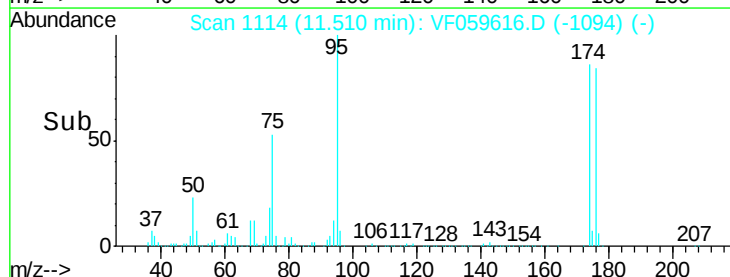
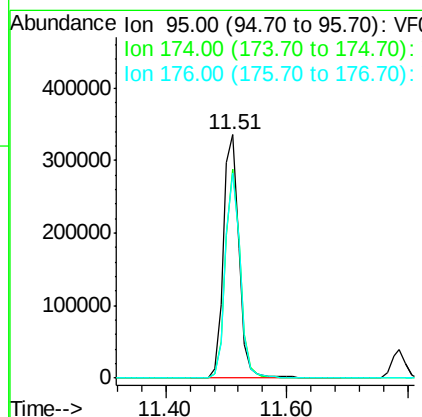
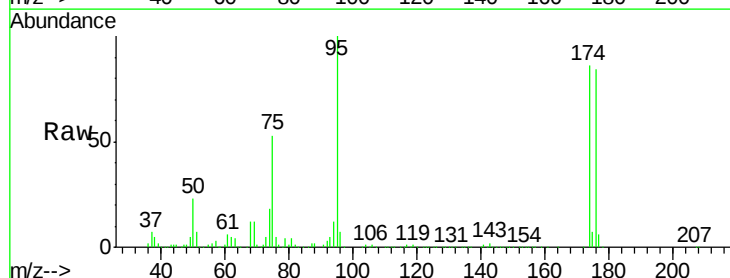
Tgt Ion: 95 Resp: 596545

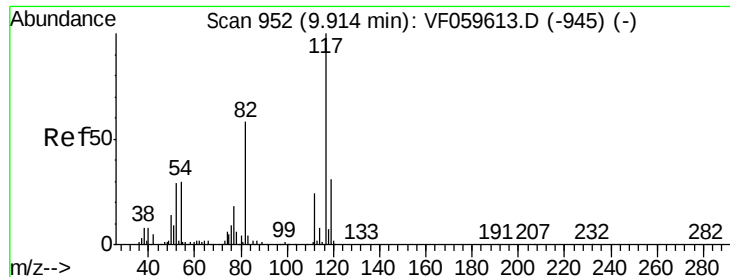
Ion Ratio Lower Upper

95 100

174 85.6 0.0 180.6

176 84.3 0.0 182.4

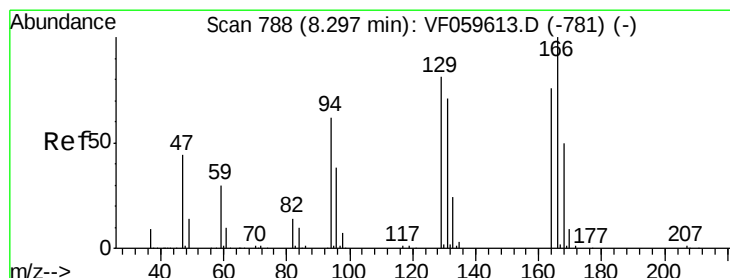
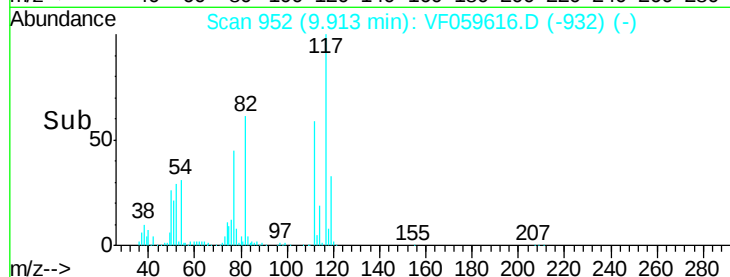
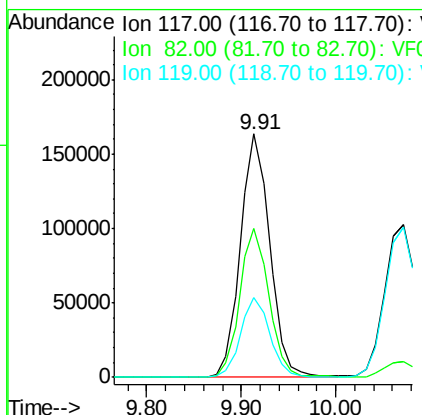
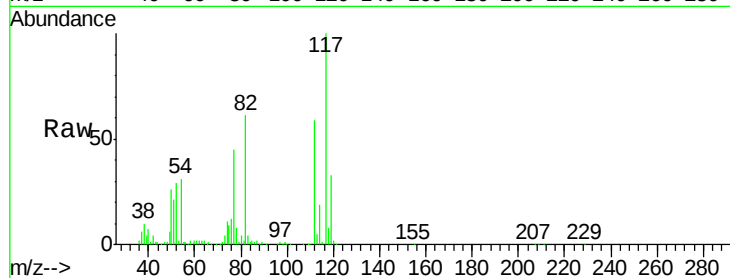




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF059616.D
Acq: 23 Jul 2018 15:42

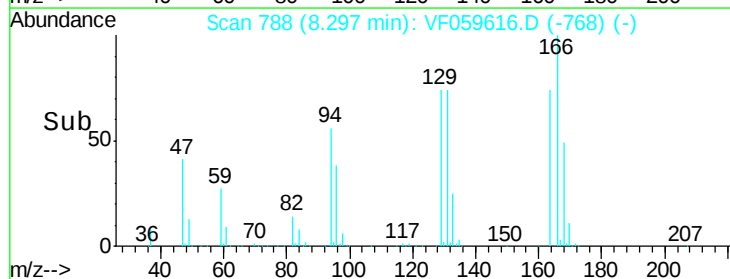
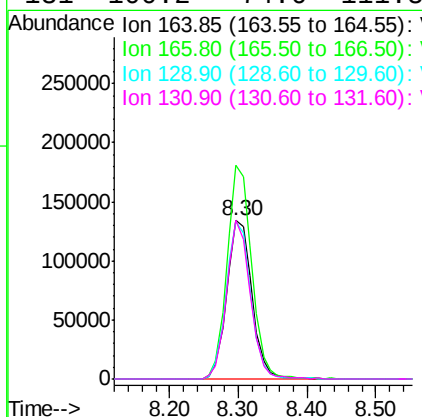
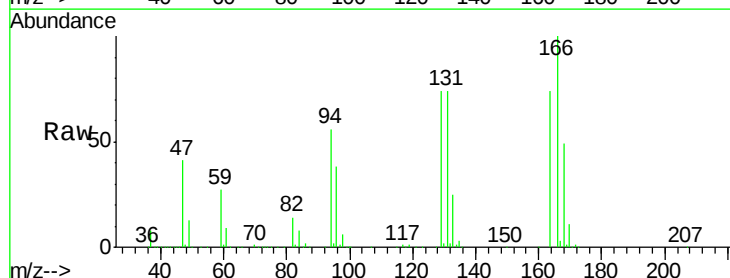
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

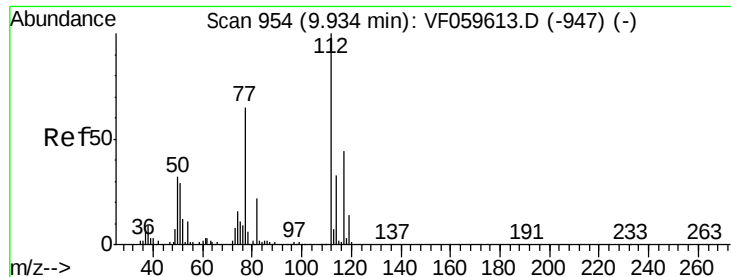
Tot Ion	Ratio	Lower	Upper
117	100		
82	61.0	46.5	69.7
119	32.8	24.4	36.6



#64
Tetrachloroethene
Concen: 127.55 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.00 min
Lab File: VF059616.D
Acq: 23 Jul 2018 15:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.8	104.8	157.2
129	99.2	85.3	127.9
131	100.2	74.6	111.8





#65

Chlorobenzene

Concen: 131.94 ug/l

RT: 9.93 min Scan# 954

Delta R.T. -0.00 min

Lab File: VF059616.D

Acq: 23 Jul 2018 15:42

Instrument :

MSVOA_F

ClientSampleId :

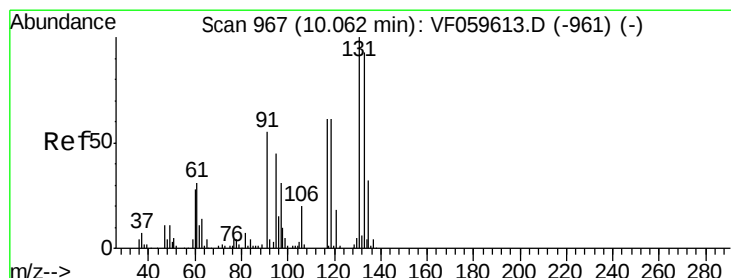
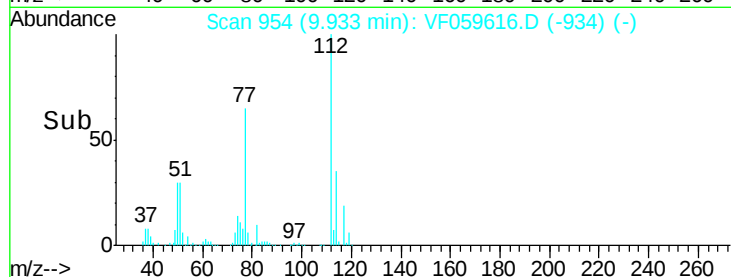
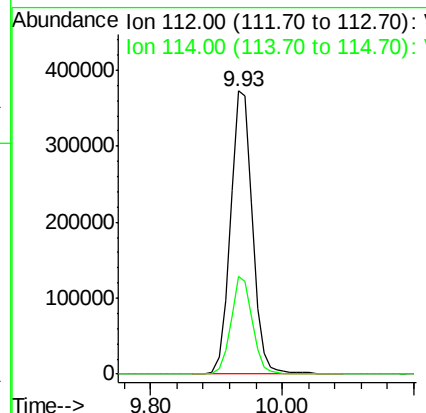
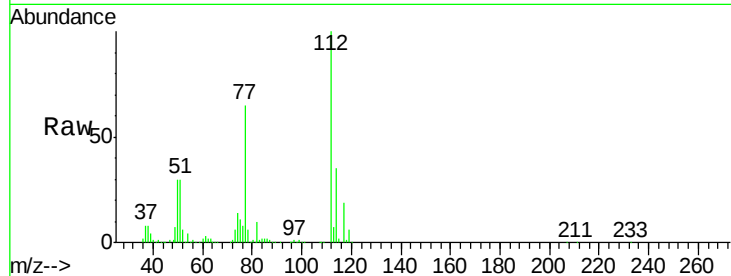
VSTDIC150

Tot Ion:112 Resp: 872595

Ion Ratio Lower Upper

112 100

114 34.7 26.8 40.2



#66

1,1,1,2-Tetrachloroethane

Concen: 131.31 ug/l

RT: 10.07 min Scan# 968

Delta R.T. 0.01 min

Lab File: VF059616.D

Acq: 23 Jul 2018 15:42

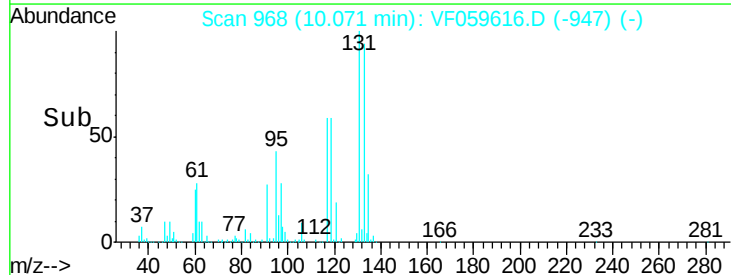
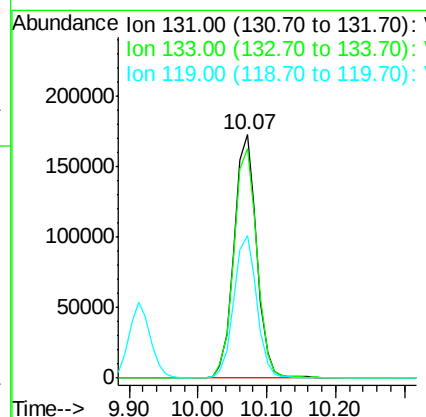
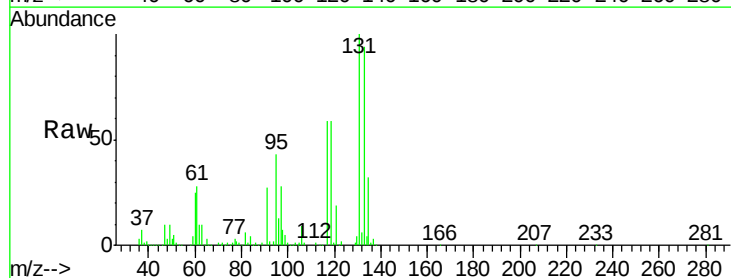
Tgt Ion:131 Resp: 390963

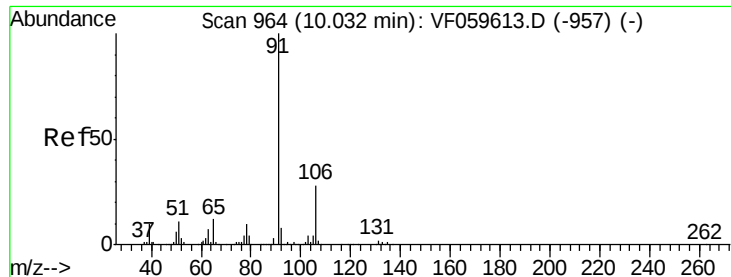
Ion Ratio Lower Upper

131 100

133 94.5 46.4 139.2

119 58.5 30.6 91.8

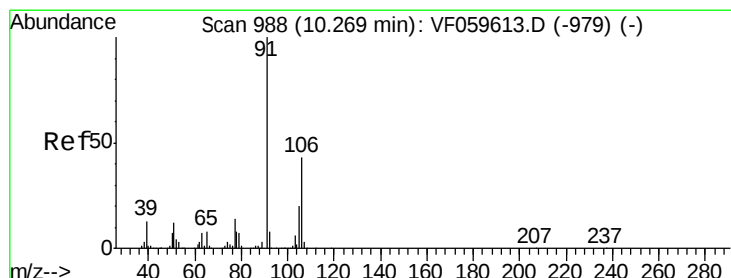
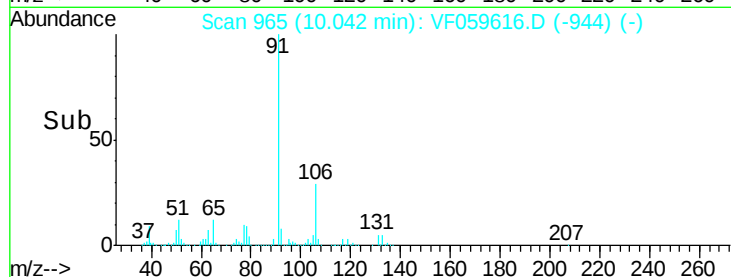
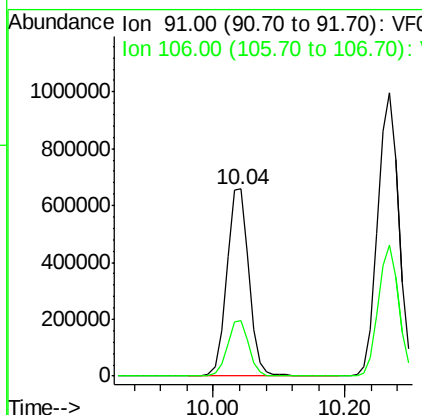
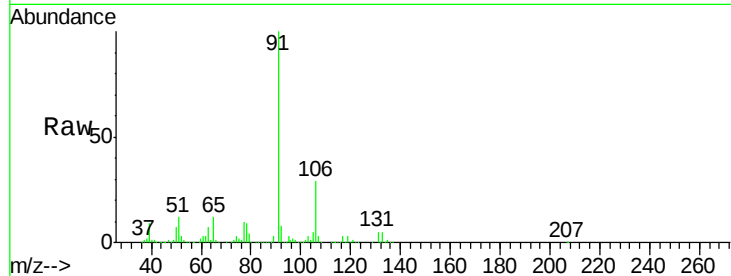




#67
Ethyl Benzene
Concen: 131.18 ug/l
RT: 10.04 min Scan# 965
Delta R.T. 0.01 min
Lab File: VF059616.D
Acq: 23 Jul 2018 15:42

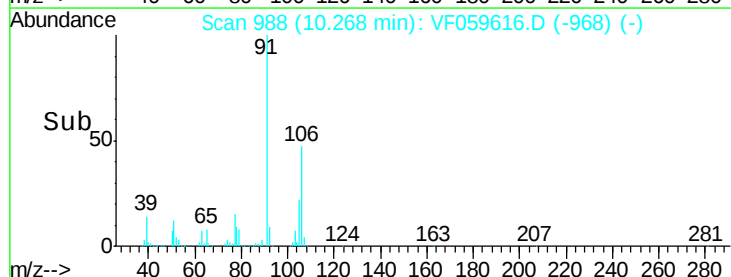
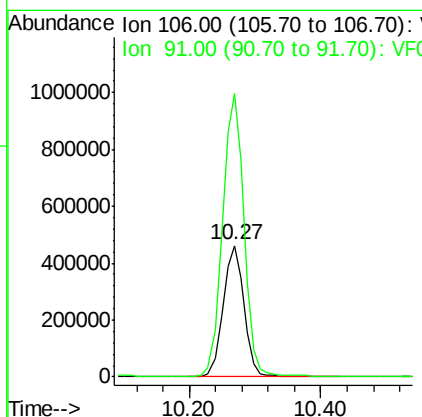
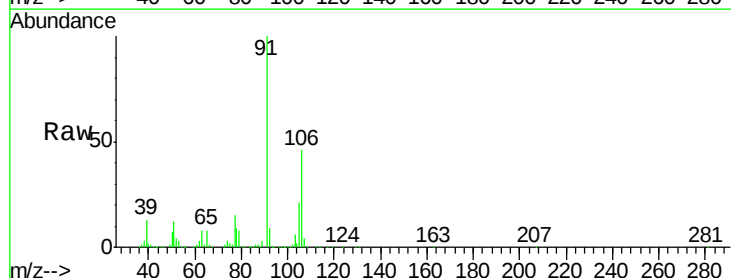
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

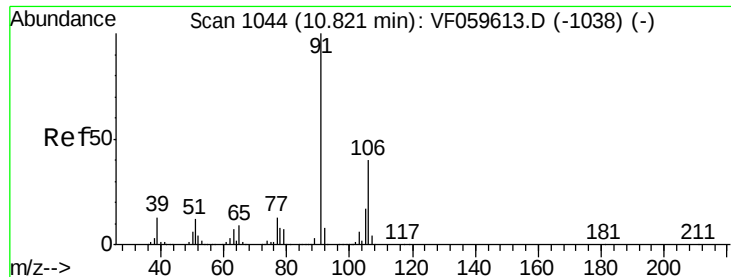
Tot Ion: 91 Resp: 1550837
Ion Ratio Lower Upper
91 100
106 29.4 22.5 33.7



#68
m/p-Xylenes
Concen: 253.31 ug/l
RT: 10.27 min Scan# 988
Delta R.T. -0.00 min
Lab File: VF059616.D
Acq: 23 Jul 2018 15:42

Tgt Ion: 106 Resp: 1023104
Ion Ratio Lower Upper
106 100
91 215.5 187.0 280.4

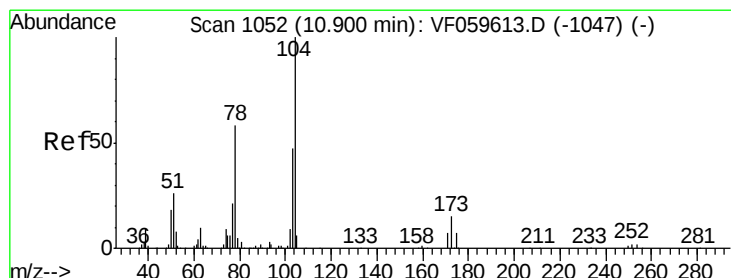
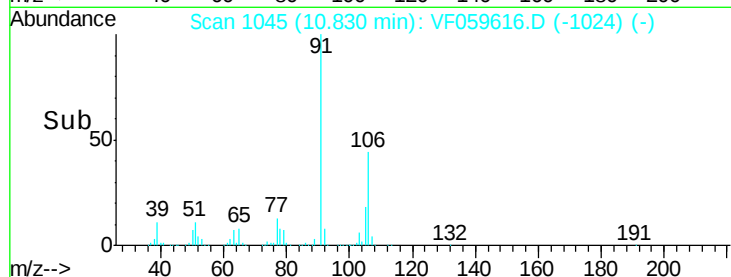
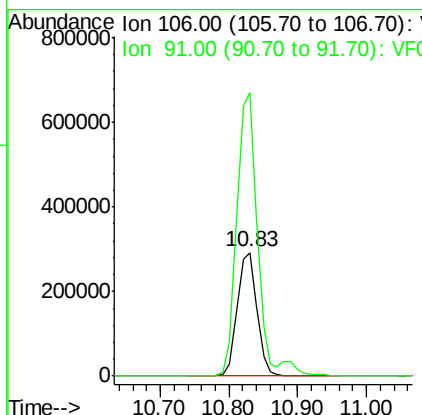
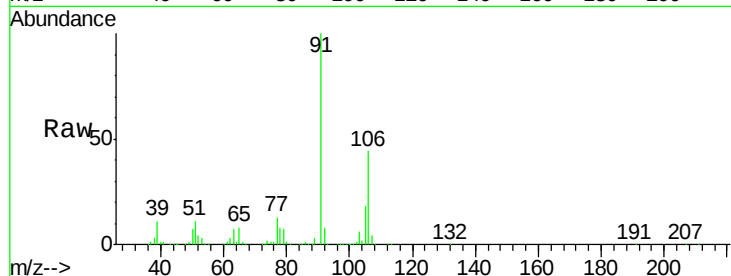




#69
o-Xylene
Concen: 132.77 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VF059616.D
Acq: 23 Jul 2018 15:42

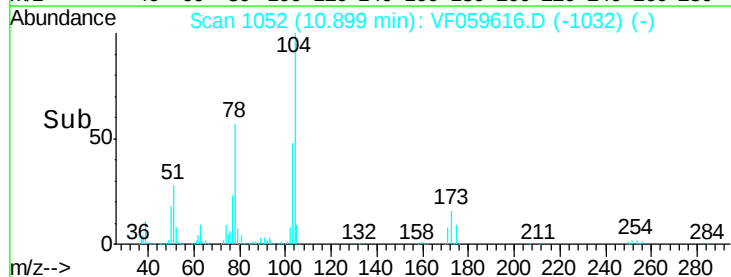
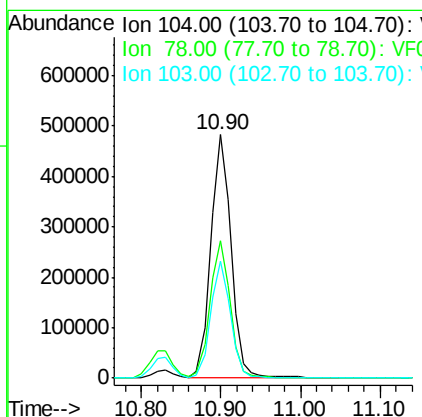
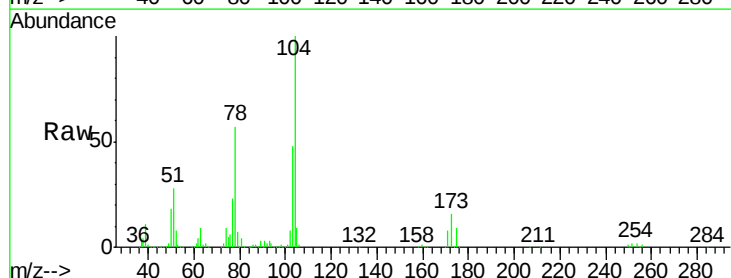
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

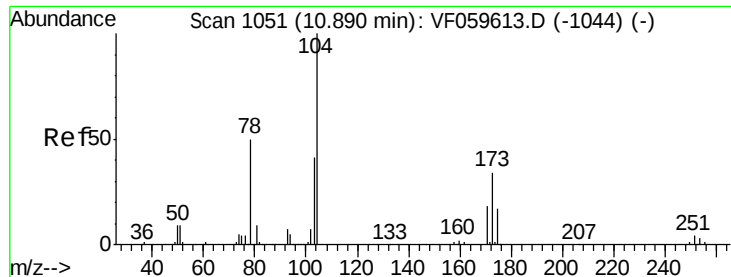
Tot Ion:106 Resp: 583735
Ion Ratio Lower Upper
106 100
91 228.4 125.8 377.3



#70
Styrene
Concen: 131.22 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VF059616.D
Acq: 23 Jul 2018 15:42

Tgt Ion:104 Resp: 863471
Ion Ratio Lower Upper
104 100
78 56.6 47.4 71.2
103 47.8 38.8 58.2





#71

Bromoform

Concen: 131.73 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VF059616.D

Acq: 23 Jul 2018 15:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

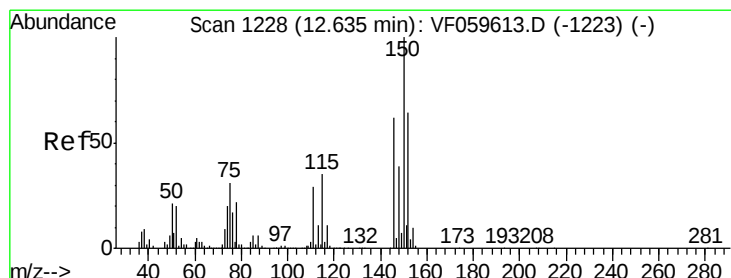
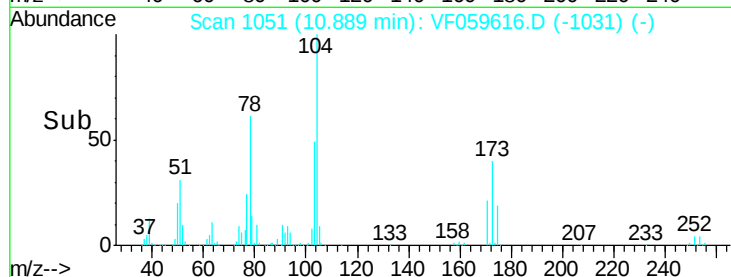
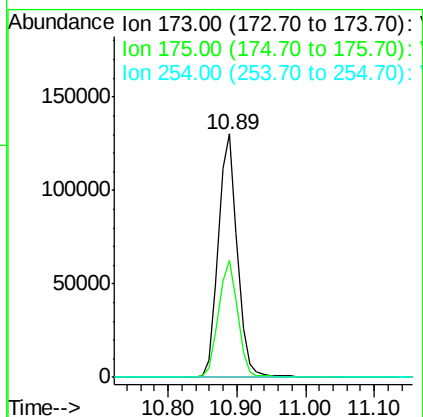
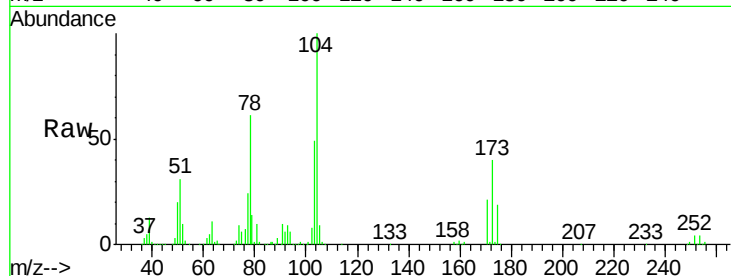
Tot Ion:173 Resp: 249772

Ion Ratio Lower Upper

173 100

175 48.1 25.1 75.2

254 0.2 0.0 0.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VF059616.D

Acq: 23 Jul 2018 15:42

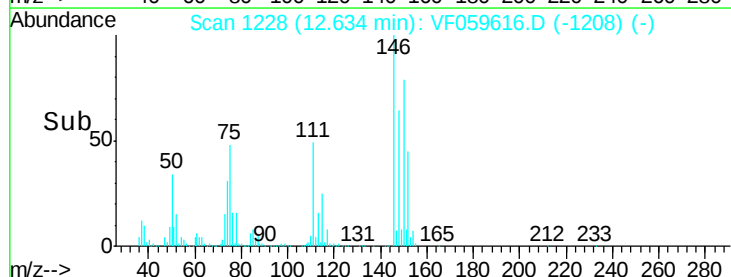
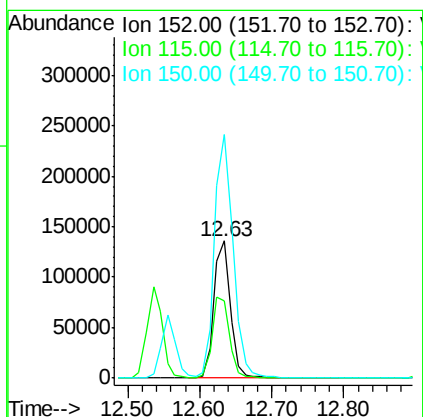
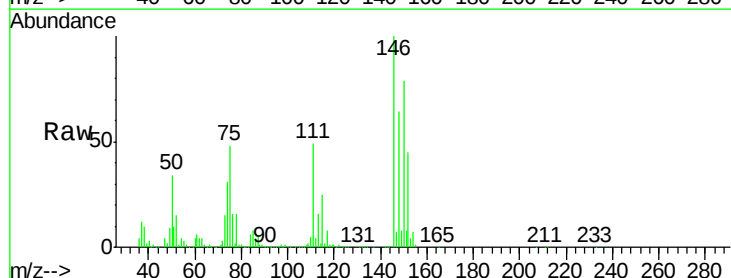
Tgt Ion:152 Resp: 212805

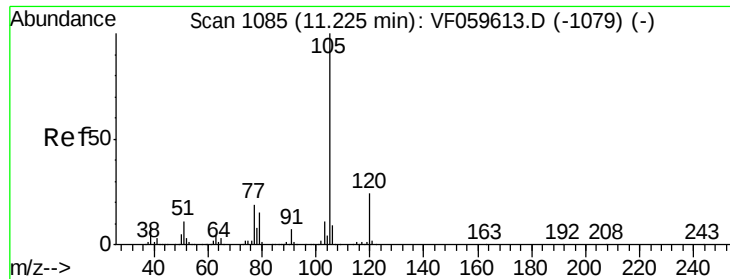
Ion Ratio Lower Upper

152 100

115 55.9 27.8 83.4

150 177.4 0.0 314.6





#73

Isopropylbenzene

Concen: 126.99 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VF059616.D

Acq: 23 Jul 2018 15:42

Instrument :

MSVOA_F

ClientSampleId :

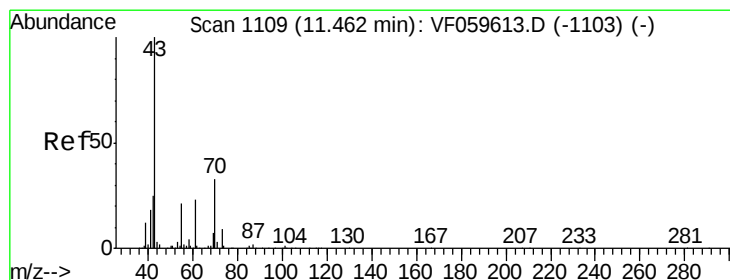
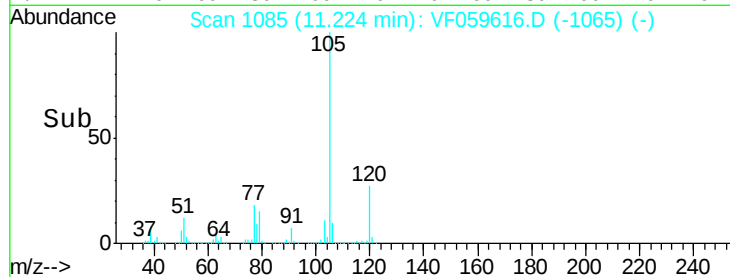
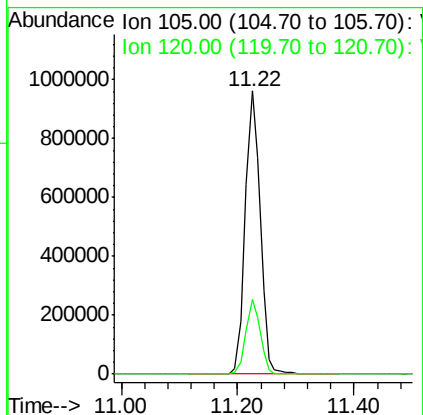
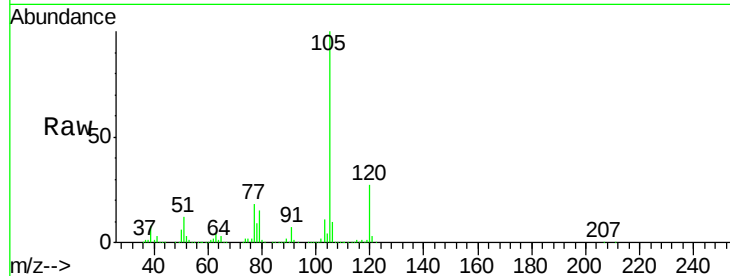
VSTDIC150

Tot Ion:105 Resp: 1728665

Ion Ratio Lower Upper

105 100

120 26.6 11.8 35.4



#74

N-ethyl acetate

Concen: 146.99 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VF059616.D

Acq: 23 Jul 2018 15:42

Tgt Ion: 43 Resp: 473397

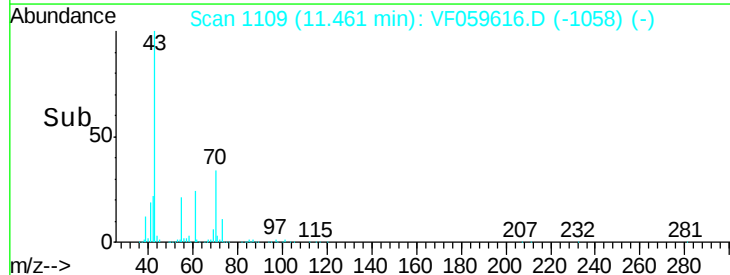
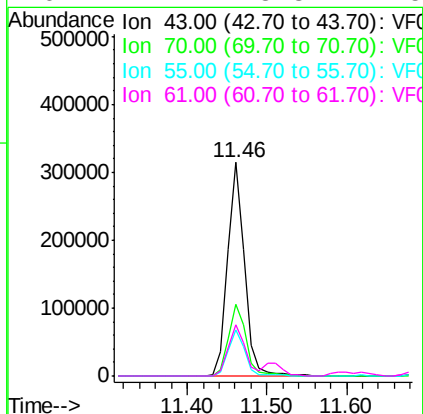
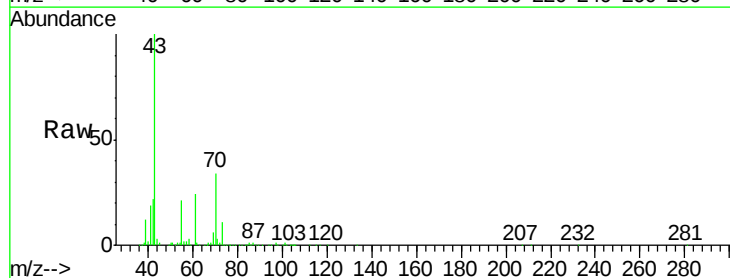
Ion Ratio Lower Upper

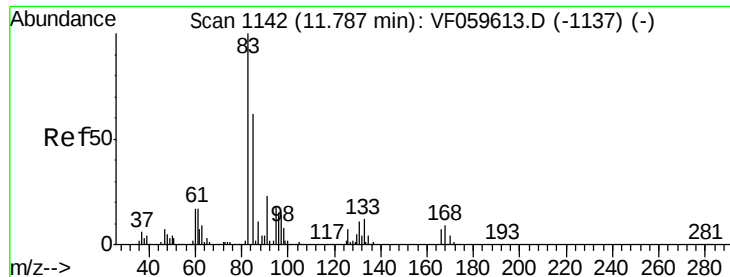
43 100

70 33.8 26.6 40.0

55 21.4 17.0 25.6

61 24.2 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 128.37 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF059616.D

Acq: 23 Jul 2018 15:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

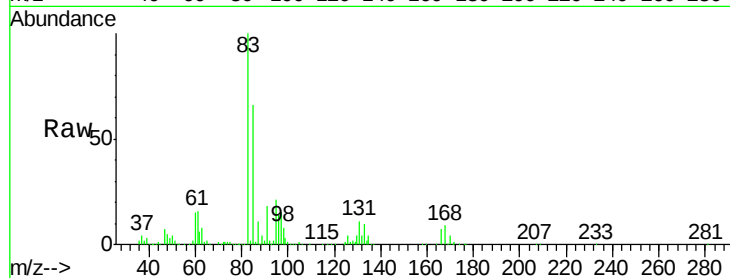
Tot Ion: 83 Resp: 305586

Ion Ratio Lower Upper

83 100

131 11.2 5.7 17.0

85 65.9 31.1 93.3

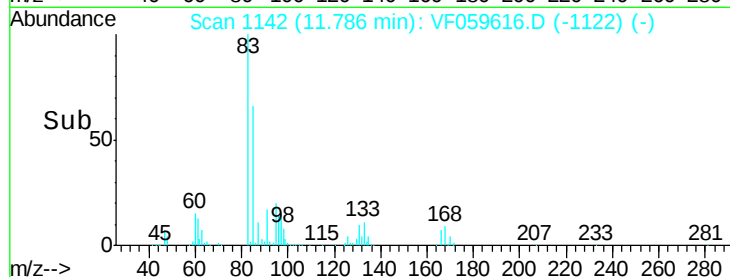


Abundance Ion 83.00 (82.70 to 83.70): VF059616.D (-1137) (-)

Ion 131.00 (130.70 to 131.70): VF059616.D (-1137) (-)

Ion 85.00 (84.70 to 85.70): VF059616.D (-1137) (-)

Time-->

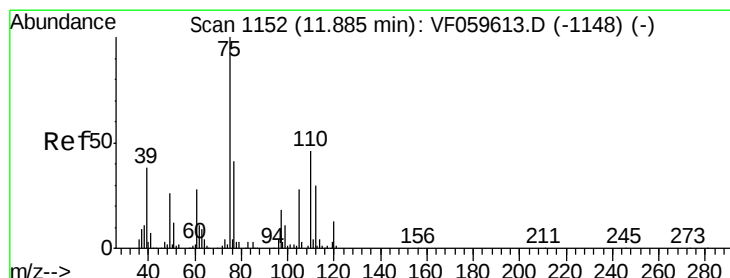


Abundance Ion 83.00 (82.70 to 83.70): VF059616.D (-1122) (-)

Ion 131.00 (130.70 to 131.70): VF059616.D (-1122) (-)

Ion 85.00 (84.70 to 85.70): VF059616.D (-1122) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 126.80 ug/l

RT: 11.88 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VF059616.D

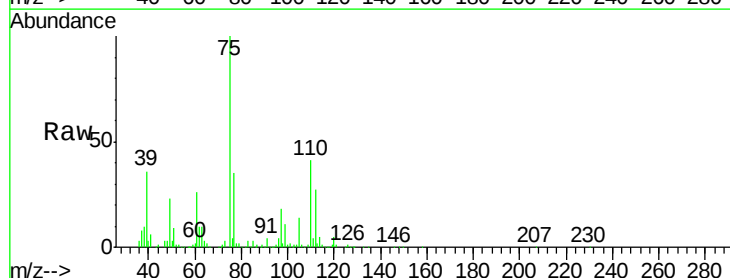
Acq: 23 Jul 2018 15:42

Tgt Ion: 75 Resp: 261944

Ion Ratio Lower Upper

75 100

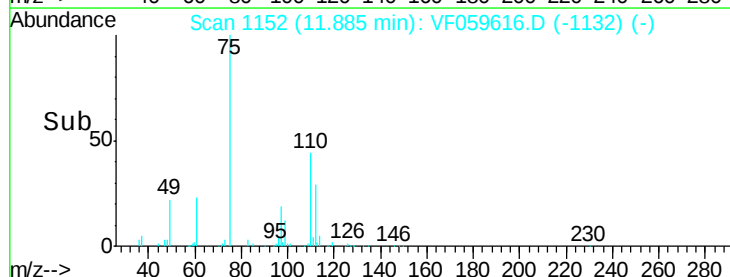
77 34.9 20.9 62.8



Abundance Ion 75.00 (74.70 to 75.70): VF059616.D (-1148) (-)

Ion 77.00 (76.70 to 77.70): VF059616.D (-1148) (-)

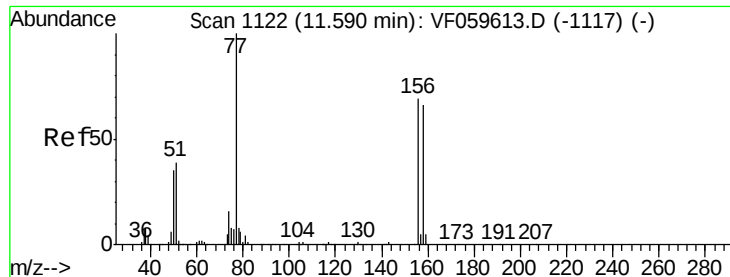
Time-->



Abundance Ion 75.00 (74.70 to 75.70): VF059616.D (-1132) (-)

Ion 77.00 (76.70 to 77.70): VF059616.D (-1132) (-)

Time-->



#77

Bromobenzene

Concen: 123.34 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF059616.D

Acq: 23 Jul 2018 15:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

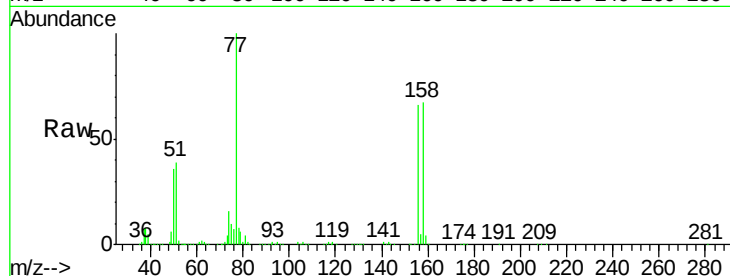
Tot Ion:156 Resp: 440582

Ion Ratio Lower Upper

156 100

77 152.6 72.1 216.3

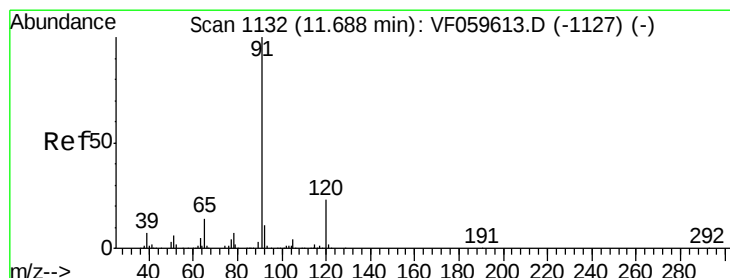
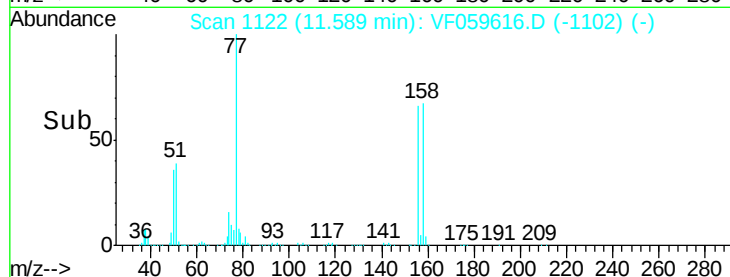
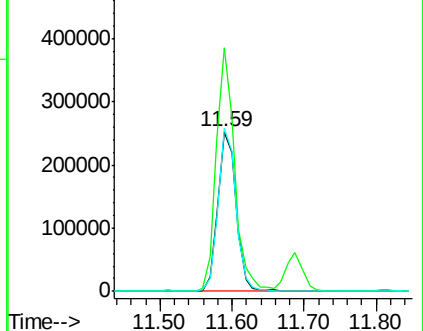
158 102.1 47.3 141.9



Abundance Ion 156.00 (155.70 to 156.70):

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70):



#78

n-propylbenzene

Concen: 117.30 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VF059616.D

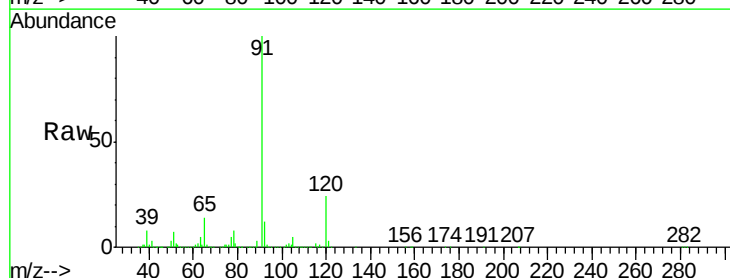
Acq: 23 Jul 2018 15:42

Tgt Ion: 91 Resp: 1904964

Ion Ratio Lower Upper

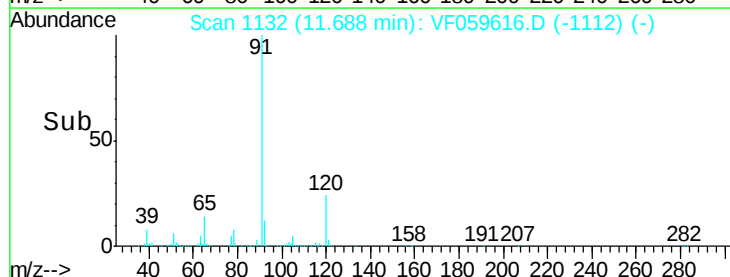
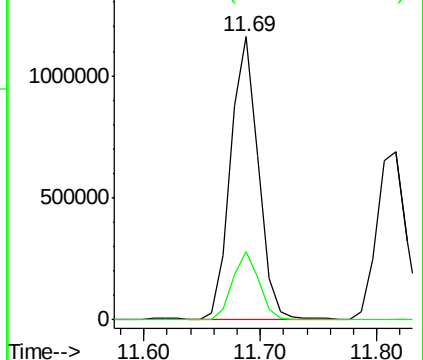
91 100

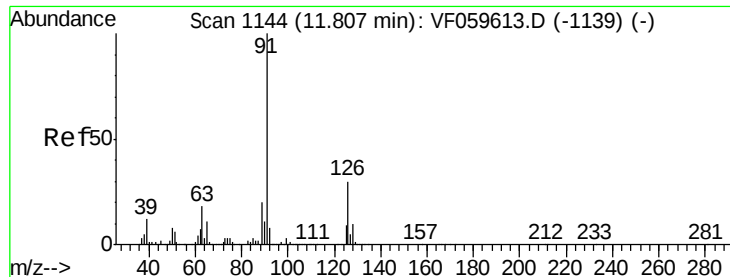
120 24.1 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70):





#79

2-Chlorotoluene

Concen: 121.93 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VF059616.D

Acq: 23 Jul 2018 15:42

Instrument :

MSVOA_F

ClientSampleId :

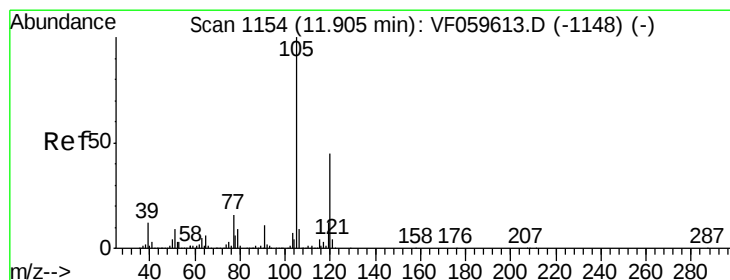
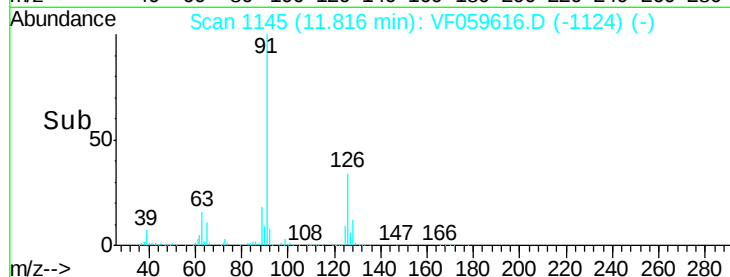
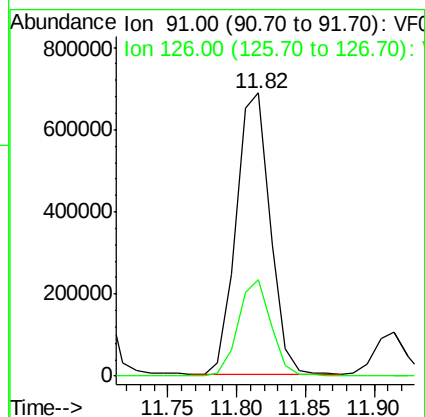
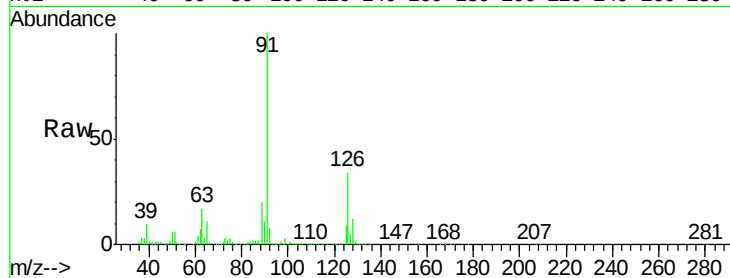
VSTDIC150

Tot Ion: 91 Resp: 1182441

Ion Ratio Lower Upper

91 100

126 34.2 15.1 45.3



#80

1,3,5-Trimethylbenzene

Concen: 119.19 ug/l

RT: 11.91 min Scan# 1155

Delta R.T. 0.01 min

Lab File: VF059616.D

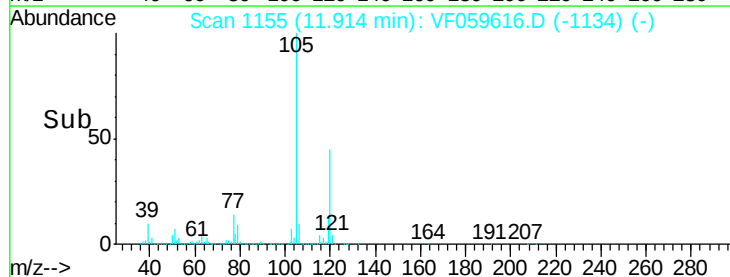
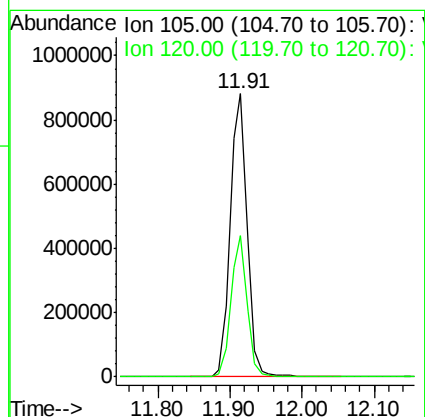
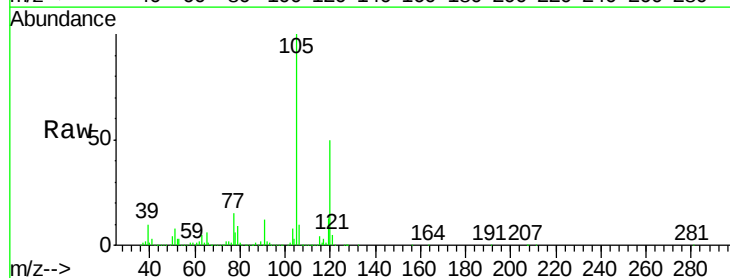
Acq: 23 Jul 2018 15:42

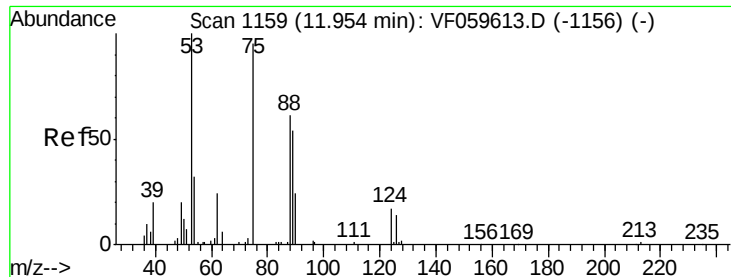
Tgt Ion:105 Resp: 1433771

Ion Ratio Lower Upper

105 100

120 49.7 22.4 67.0





#81

trans-1,4-Dichloro-2-butene

Concen: 174.01 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. -0.00 min

Lab File: VF059616.D

Acq: 23 Jul 2018 15:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

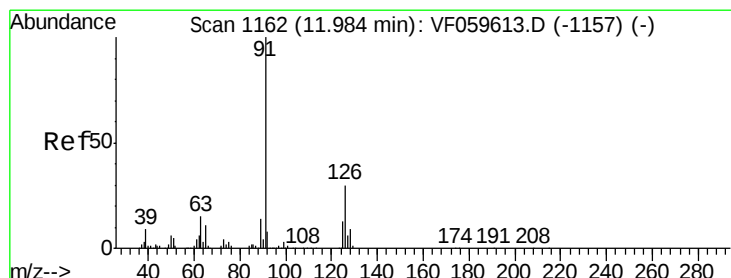
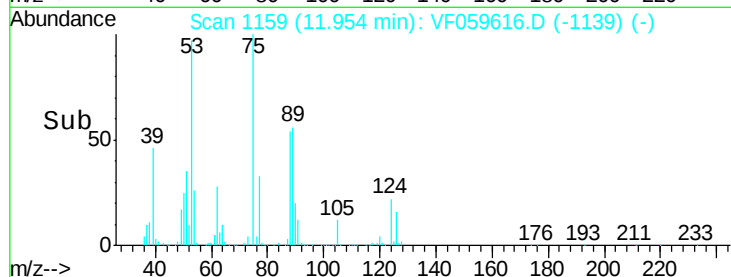
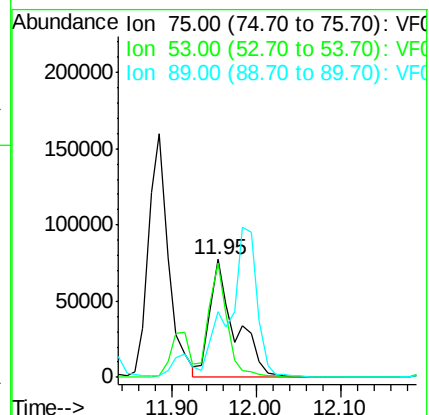
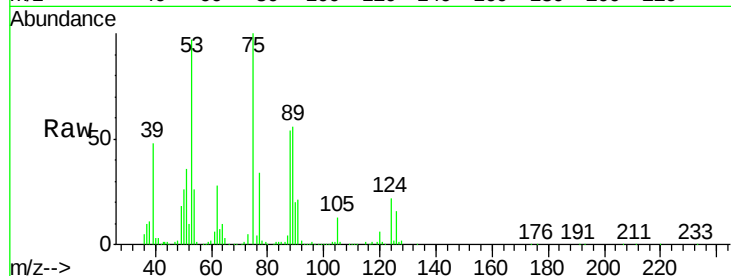
Tot Ion: 75 Resp: 164551

Ion Ratio Lower Upper

75 100

53 97.0 86.4 129.6

89 55.9 46.8 70.2



#82

4-Chlorotoluene

Concen: 124.25 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. -0.00 min

Lab File: VF059616.D

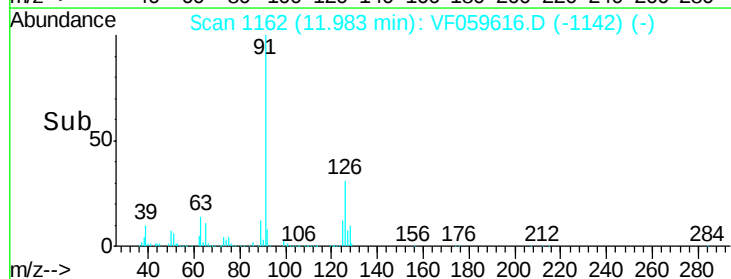
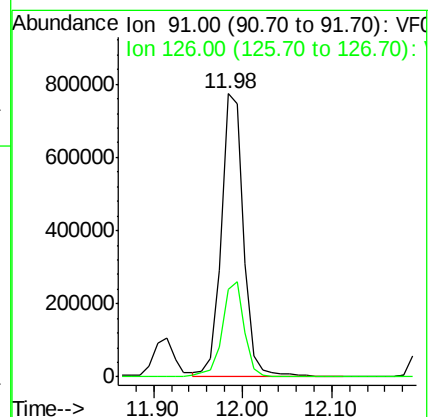
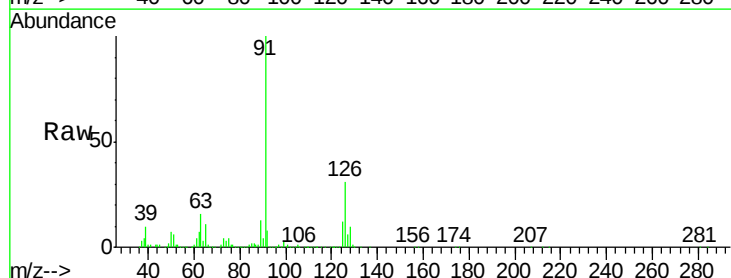
Acq: 23 Jul 2018 15:42

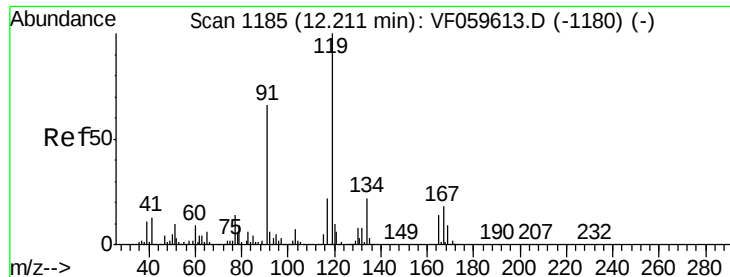
Tgt Ion: 91 Resp: 1347092

Ion Ratio Lower Upper

91 100

126 31.0 14.7 44.1





#83

tert-Butylbenzene

Concen: 121.96 ug/l

RT: 12.21 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VF059616.D

Acq: 23 Jul 2018 15:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

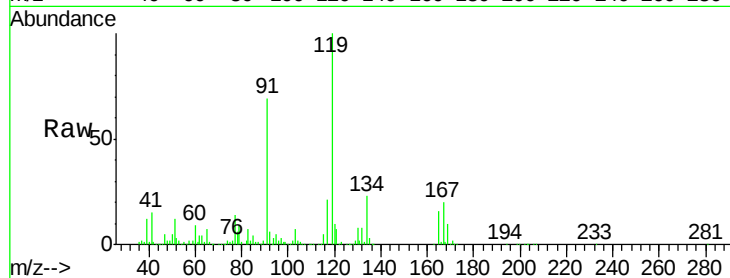
Tot Ion:119 Resp: 1444124

Ion Ratio Lower Upper

119 100

91 68.9 33.2 99.6

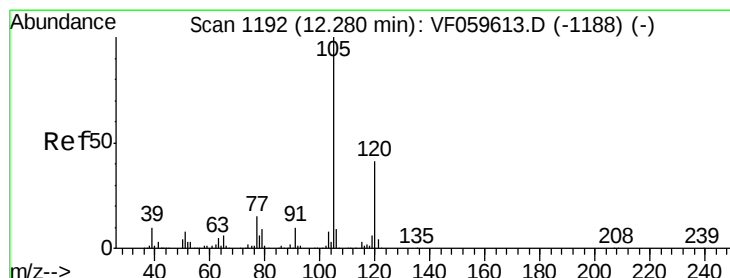
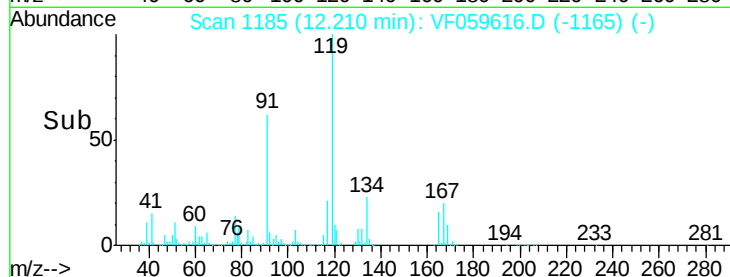
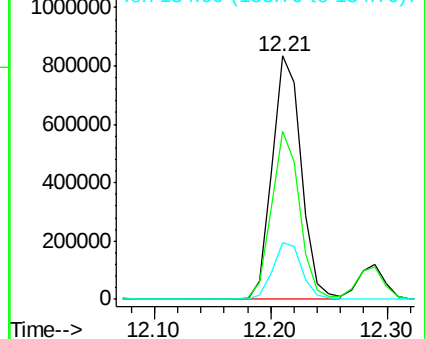
134 23.1 10.9 32.6



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: 123.16 ug/l

RT: 12.29 min Scan# 1193

Delta R.T. 0.01 min

Lab File: VF059616.D

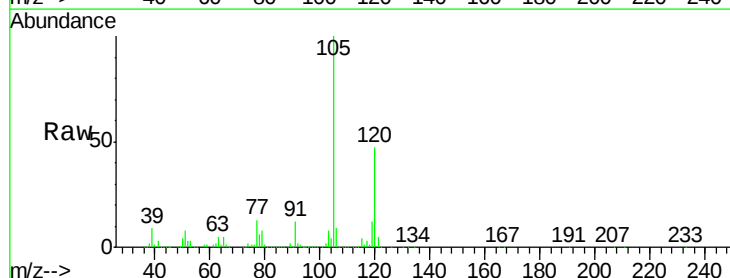
Acq: 23 Jul 2018 15:42

Tgt Ion:105 Resp: 1509827

Ion Ratio Lower Upper

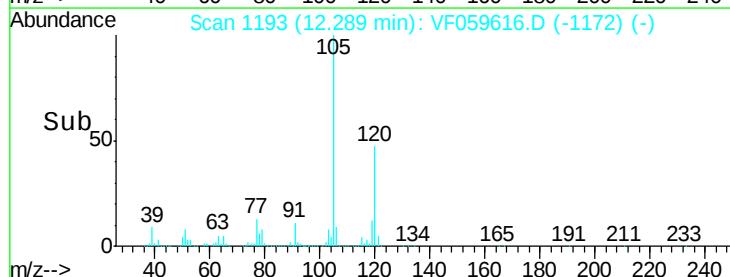
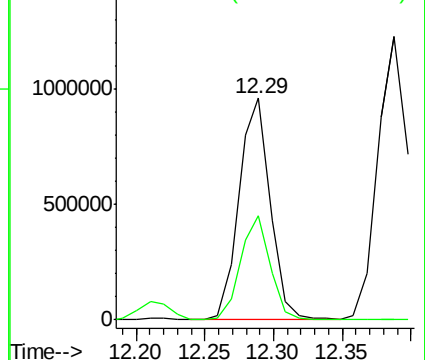
105 100

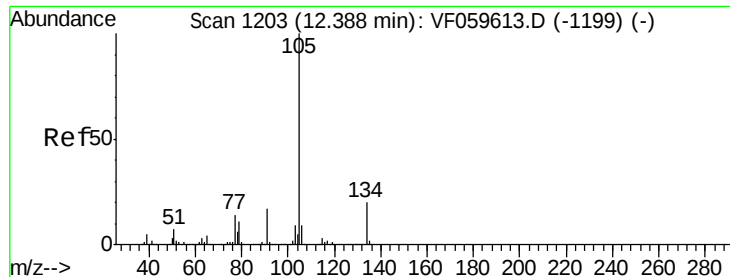
120 47.2 20.4 61.3



Abundance Ion 105.00 (104.70 to 105.70):

Ion 120.00 (119.70 to 120.70):





#85

sec-Butylbenzene

Concen: 126.00 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VF059616.D

Acq: 23 Jul 2018 15:42

Instrument :

MSVOA_F

ClientSampleId :

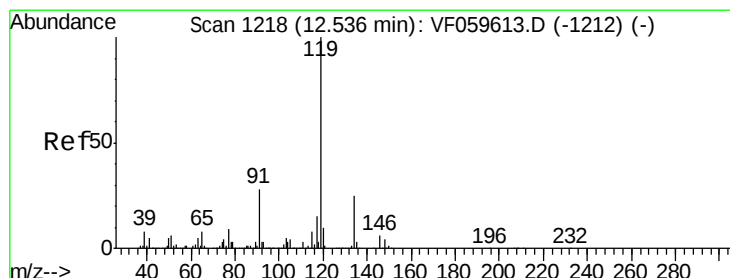
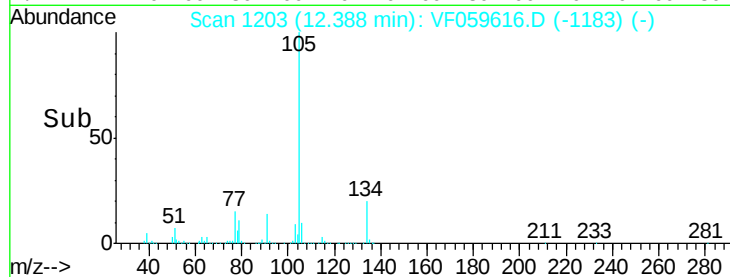
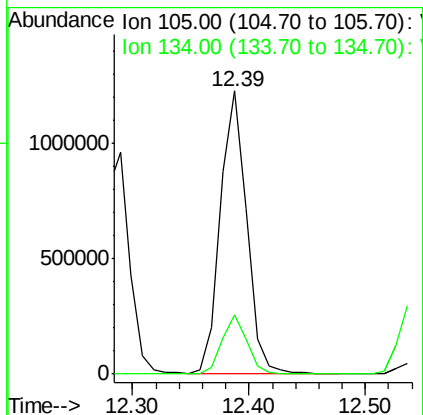
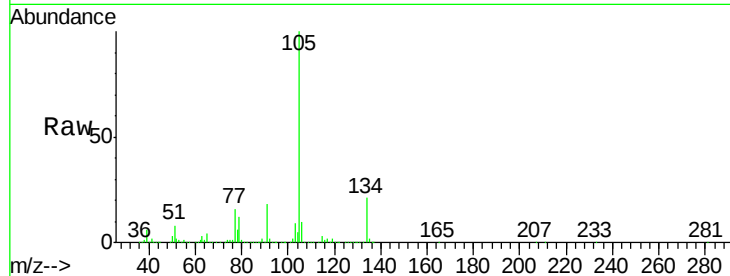
VSTDIC150

Tot Ion:105 Resp: 1916381

Ion Ratio Lower Upper

105 100

134 21.2 9.9 29.7



#86

p-Isopropyltoluene

Concen: 123.50 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VF059616.D

Acq: 23 Jul 2018 15:42

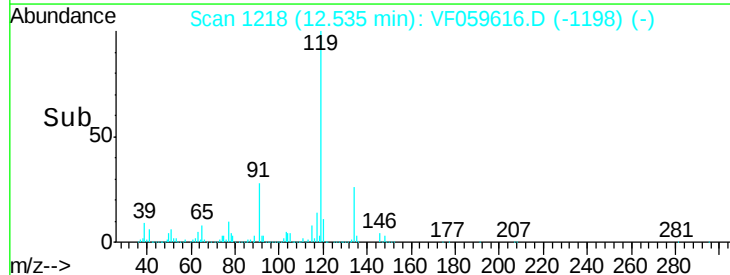
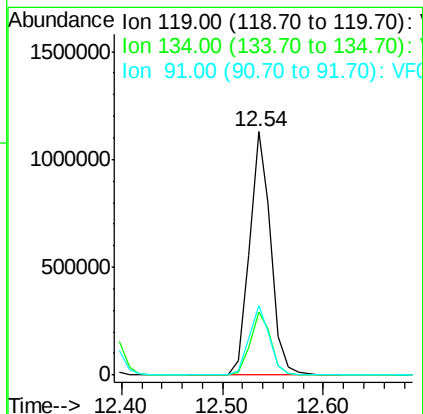
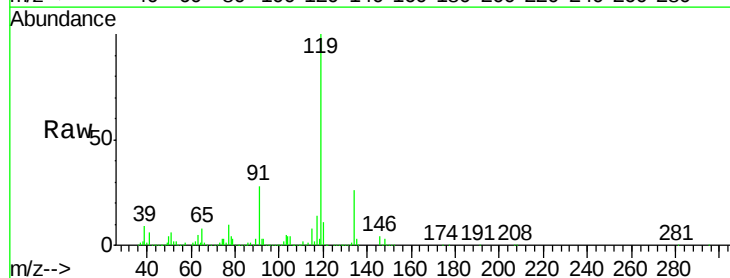
Tgt Ion:119 Resp: 1650704

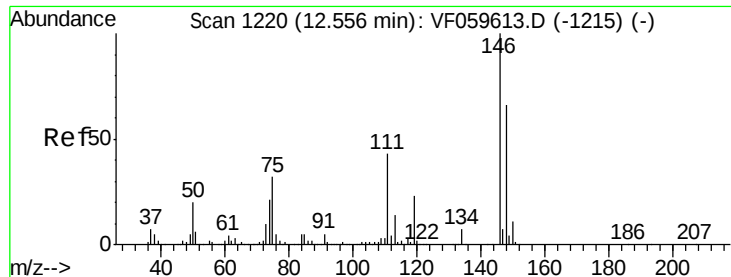
Ion Ratio Lower Upper

119 100

134 26.2 12.4 37.2

91 28.3 13.9 41.7

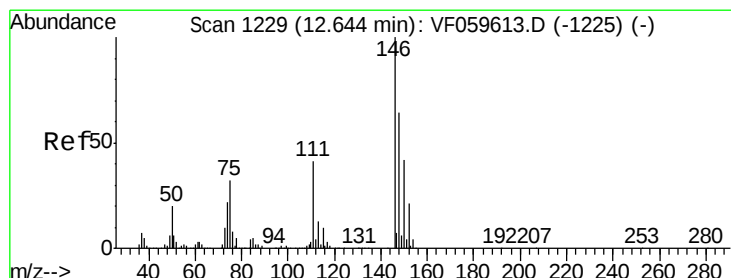
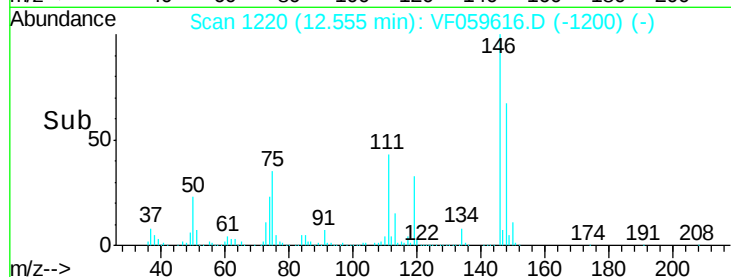
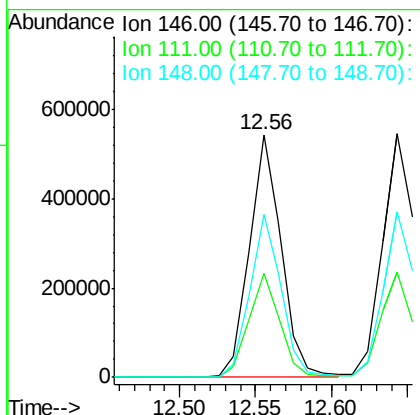
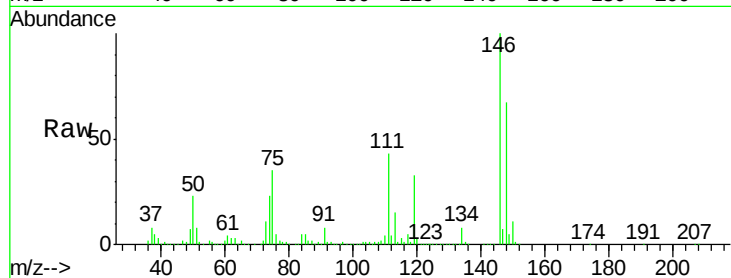




#87
 1,3-Dichlorobenzene
 Concen: 118.70 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. -0.00 min
 Lab File: VF059616.D
 Acq: 23 Jul 2018 15:42

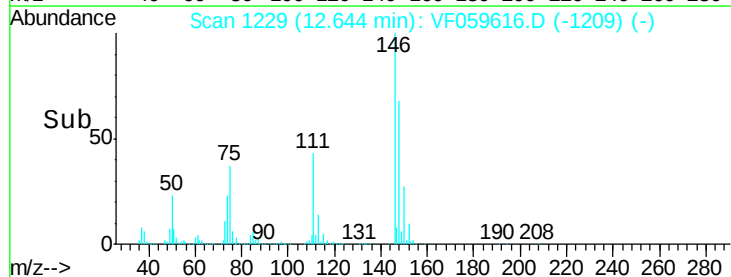
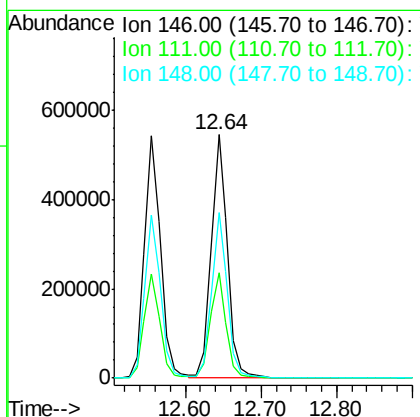
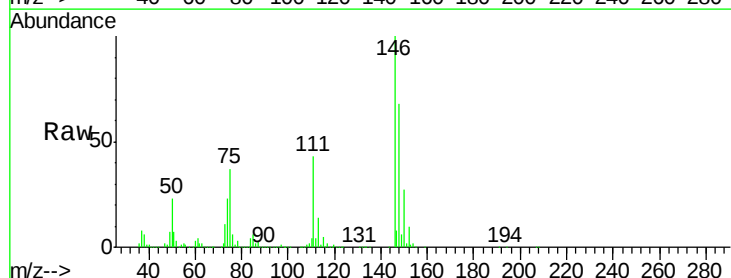
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

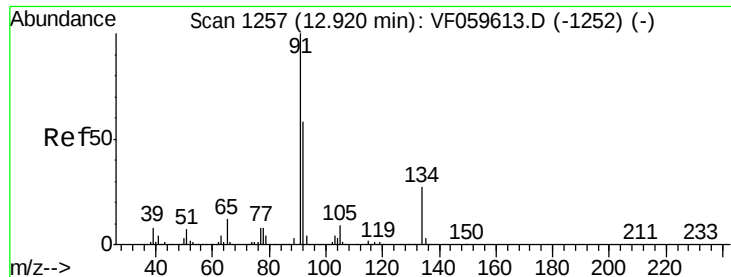
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	64.8
148	67.2	33.1	99.3



#88
 1,4-Dichlorobenzene
 Concen: 130.53 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VF059616.D
 Acq: 23 Jul 2018 15:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.3	20.5	61.5
148	68.0	32.3	96.8





#89

n-Butylbenzene

Concen: 123.30 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VF059616.D

Acq: 23 Jul 2018 15:42

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

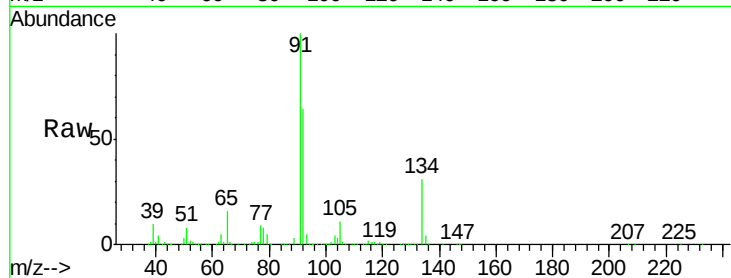
Tot Ion: 91 Resp: 1568205

Ion Ratio Lower Upper

91 100

92 64.3 28.8 86.4

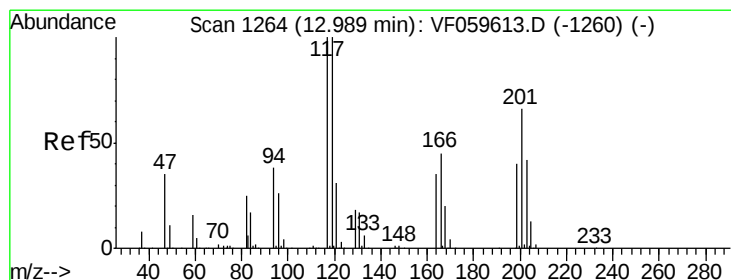
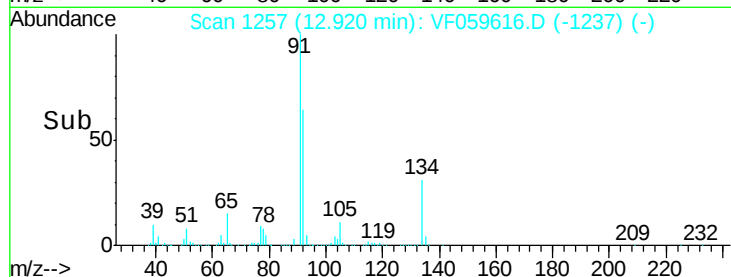
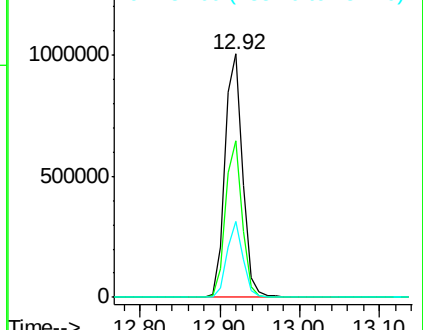
134 30.9 13.5 40.4



Abundance Ion 91.00 (90.70 to 91.70): VF059616.D (-1252) (-)

Ion 92.00 (91.70 to 92.70): VF059616.D (-1252) (-)

Ion 134.00 (133.70 to 134.70): VF059616.D (-1252) (-)



#90

Hexachloroethane

Concen: 125.12 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VF059616.D

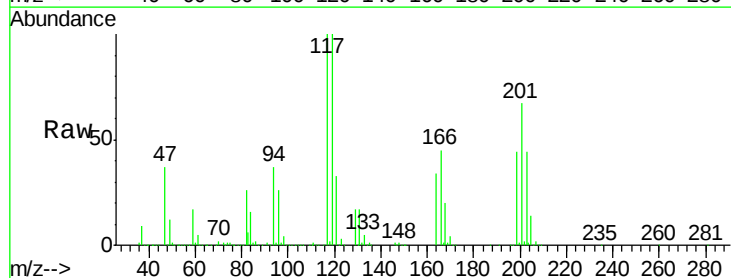
Acq: 23 Jul 2018 15:42

Tgt Ion: 117 Resp: 412643

Ion Ratio Lower Upper

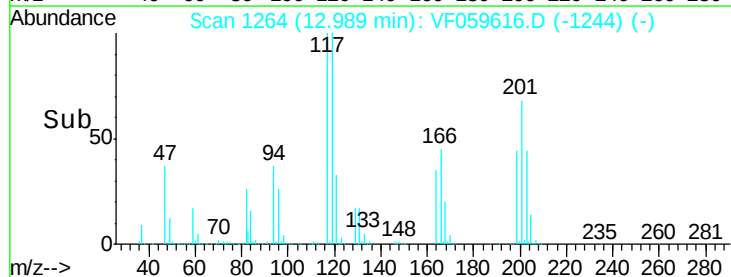
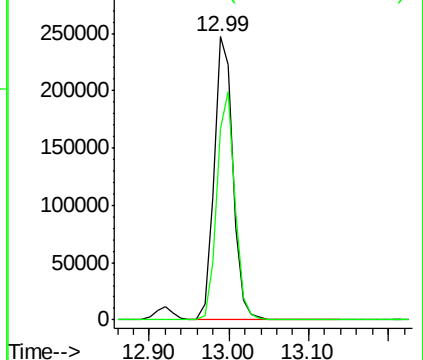
117 100

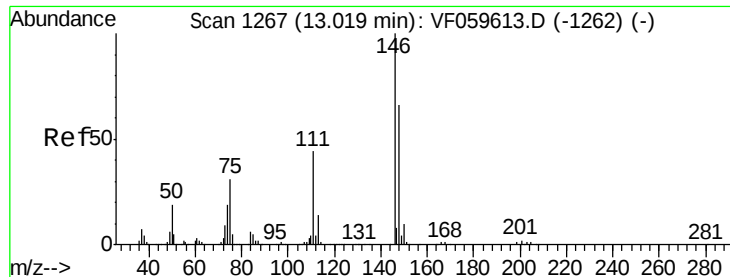
201 67.5 33.6 100.6



Abundance Ion 117.00 (116.70 to 117.70): VF059616.D (-1260) (-)

Ion 201.00 (200.70 to 201.70): VF059616.D (-1260) (-)

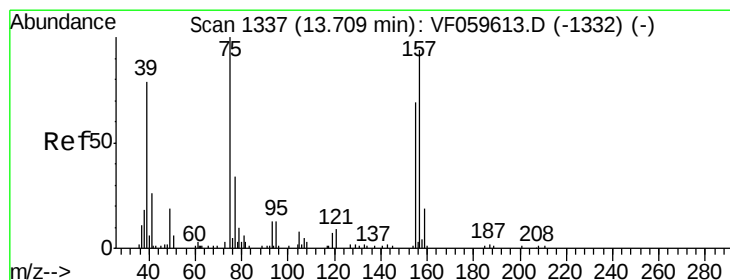
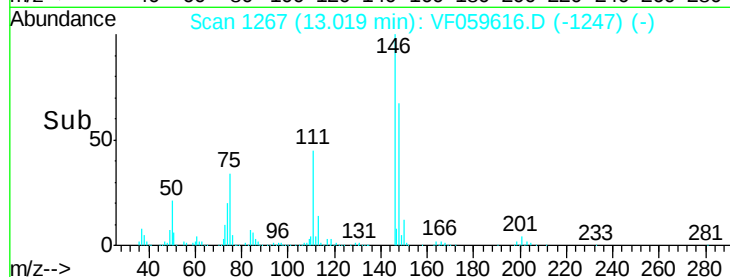
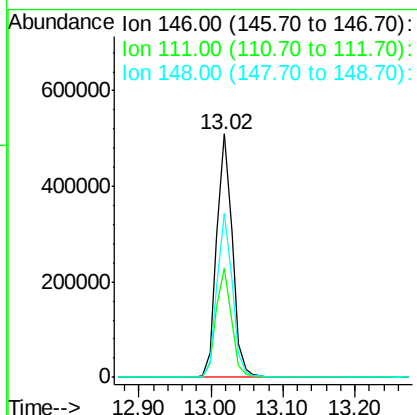
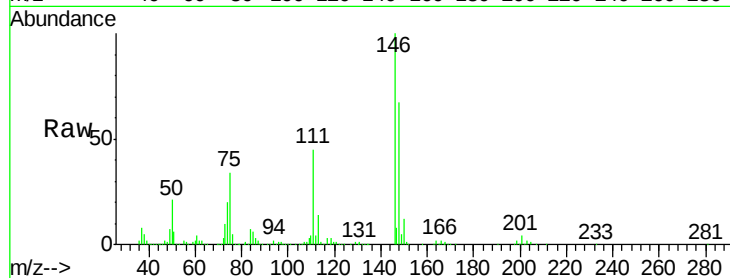




#91
 1,2-Dichlorobenzene
 Concen: 120.12 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VF059616.D
 Acq: 23 Jul 2018 15:42

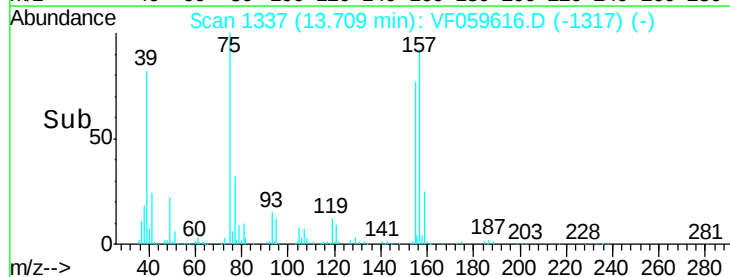
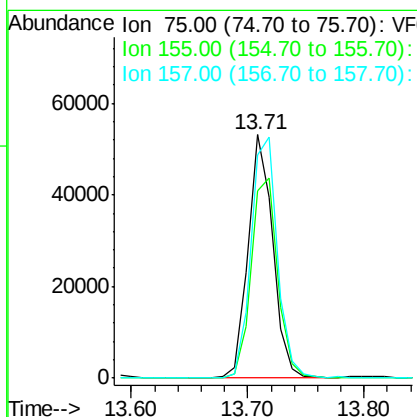
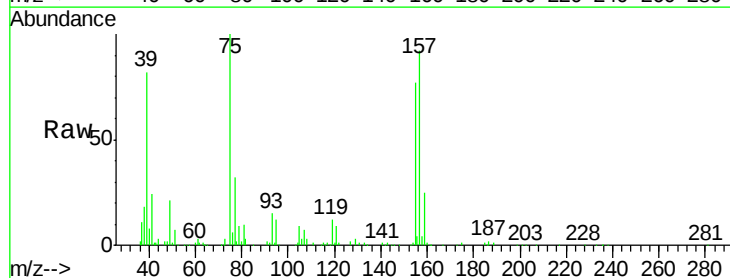
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

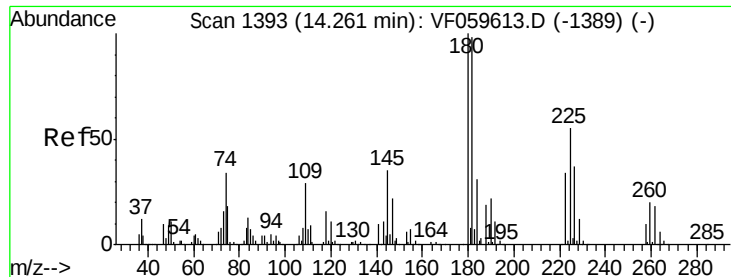
Tot Ion:146 Resp: 753298
 Ion Ratio Lower Upper
 146 100
 111 44.7 21.8 65.3
 148 67.2 32.9 98.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 134.17 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. -0.00 min
 Lab File: VF059616.D
 Acq: 23 Jul 2018 15:42

Tgt Ion: 75 Resp: 77603
 Ion Ratio Lower Upper
 75 100
 155 76.9 34.6 103.8
 157 91.8 47.0 141.0

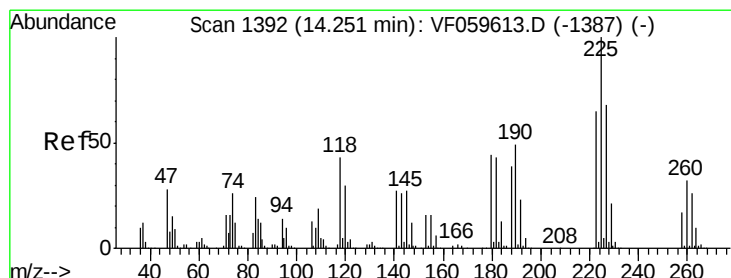
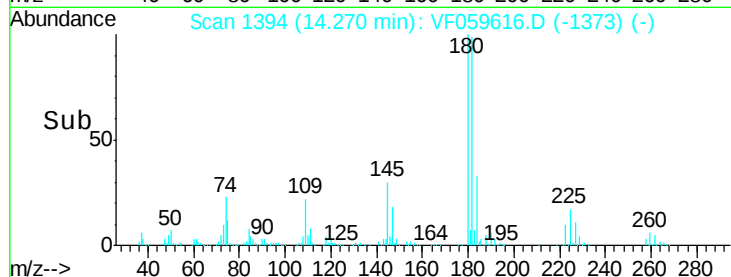
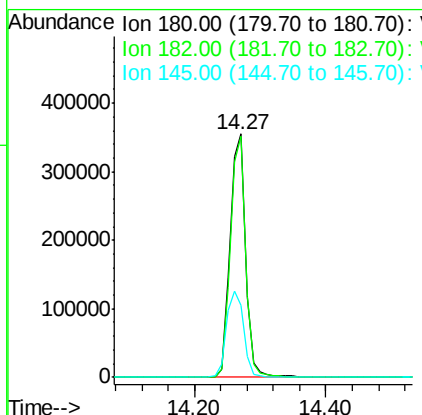
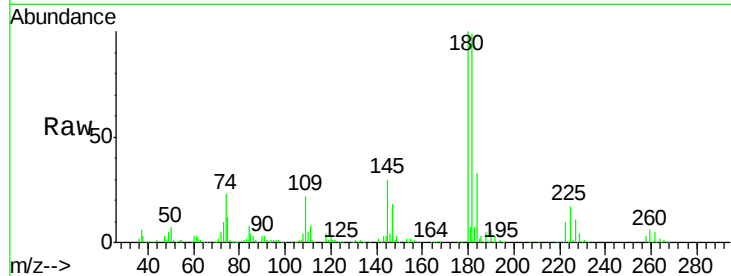




#93
 1,2,4-Trichlorobenzene
 Concen: 128.94 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.01 min
 Lab File: VF059616.D
 Acq: 23 Jul 2018 15:42

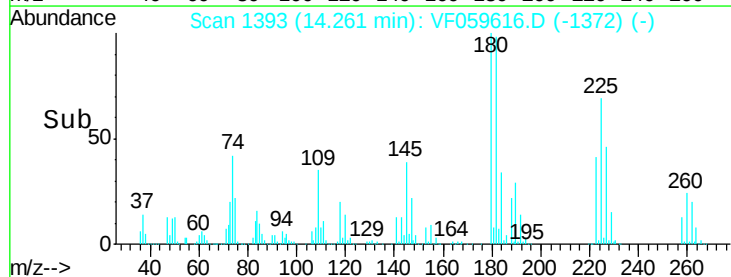
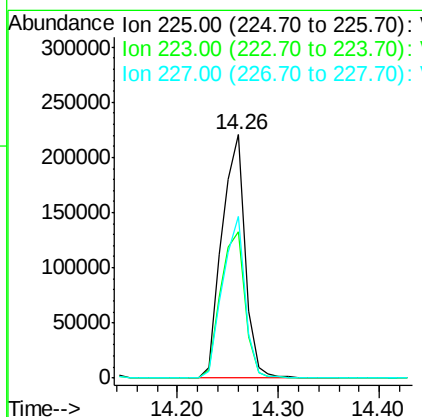
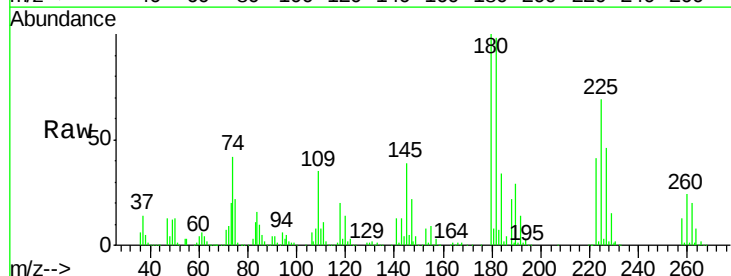
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

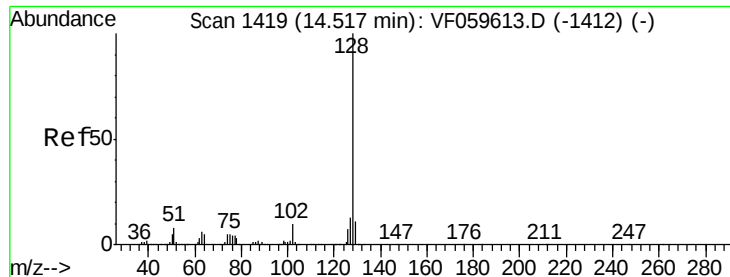
Tot Ion:180 Resp: 591152
 Ion Ratio Lower Upper
 180 100
 182 98.8 48.8 146.3
 145 29.7 17.5 52.6



#94
 Hexachlorobutadiene
 Concen: 114.95 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.01 min
 Lab File: VF059616.D
 Acq: 23 Jul 2018 15:42

Tgt Ion:225 Resp: 355718
 Ion Ratio Lower Upper
 225 100
 223 60.1 32.6 98.0
 227 66.3 33.9 101.6





#95

Naphthalene

Concen: 143.71 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. -0.00 min

Lab File: VF059616.D

Acq: 23 Jul 2018 15:42

Instrument :

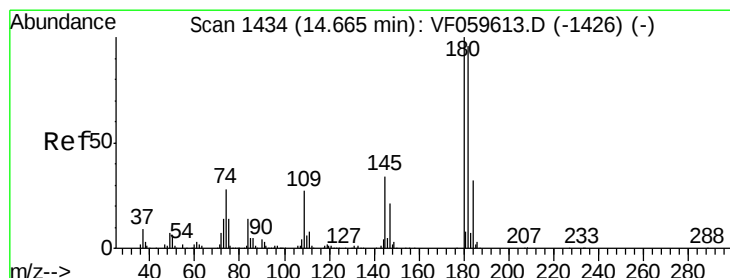
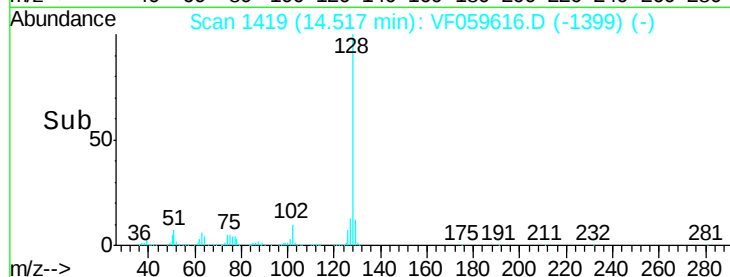
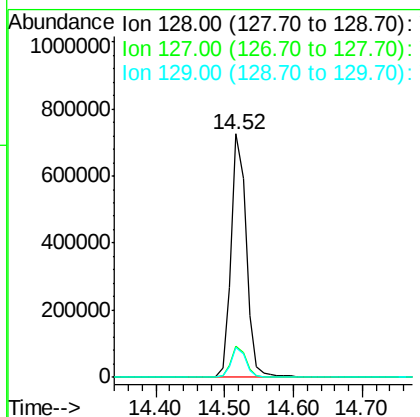
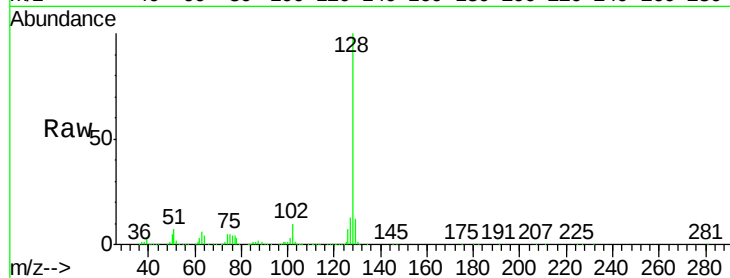
MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 1107427

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	12.0	9.1	13.7



#96

1,2,3-Trichlorobenzene

Concen: 133.58 ug/l

RT: 14.66 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VF059616.D

Acq: 23 Jul 2018 15:42

Tgt Ion:180 Resp: 563154

Ion	Ratio	Lower	Upper
180	100		
182	98.5	48.0	144.2
145	33.4	17.1	51.2

