

Data Path : Z:\voasrv\HPCHEM1\MSVOA F\Data\VF072318\
 Data File : VF059615.D
 Acq On : 23 Jul 2018 15:14
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 86 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Quant Time: Jul 23 15:32:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072318S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 23 15:11:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	240819	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	338098	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	337211	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	212087	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	365408	97.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	195.26%	
35) Dibromofluoromethane	4.29	113	299545	98.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.56%	
50) Toluene-d8	7.70	98	775375	104.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	208.34%	
62) 4-Bromofluorobenzene	11.50	95	402047	93.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	187.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	270315	88.65	ug/l	91
3) Chloromethane	1.09	50	129843	87.41	ug/l	92
4) Vinyl Chloride	1.15	62	153401	95.72	ug/l #	84
5) Bromomethane	1.33	94	114764	86.33	ug/l	92
6) Chloroethane	1.42	64	87308	93.44	ug/l	97
7) Trichlorofluoromethane	1.52	101	223762	53.31	ug/l	98
8) Diethyl Ether	1.70	74	54813	82.98	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.89	101	176706	84.21	ug/l	90
10) Methyl Iodide	1.95	142	329943	94.64	ug/l	95
11) Tert butyl alcohol	2.67	59	64516	397.67	ug/l	95
12) 1,1-Dichloroethene	1.84	96	152983	87.18	ug/l	95
13) Acrolein	2.08	56	39959	563.48	ug/l	99
14) Allyl chloride	2.18	41	280696	97.85	ug/l #	87
15) Acrylonitrile	3.07	53	105818	398.98	ug/l	97
16) Acetone	2.33	43	258600	398.54	ug/l	100
17) Carbon Disulfide	1.83	76	127886	28.21	ug/l #	94
18) Methyl Acetate	2.45	43	81572	66.57	ug/l	94
19) Methyl tert-butyl Ether	2.52	73	442304	85.37	ug/l	97
20) Methylene Chloride	2.27	84	71876	36.34	ug/l	87
21) trans-1,2-Dichloroethene	2.41	96	155345	87.68	ug/l	89
22) Diisopropyl ether	2.92	45	526963	88.68	ug/l	98
23) Vinyl Acetate	3.32	43	1302816	422.41	ug/l	98
24) 1,1-Dichloroethane	2.99	63	358623	88.68	ug/l	100
25) 2-Butanone	4.51	43	288414	396.55	ug/l	97
26) 2,2-Dichloropropane	3.76	77	286267	90.86	ug/l	100
27) cis-1,2-Dichloroethene	3.62	96	188431	94.71	ug/l	98
28) Bromochloromethane	3.89	49	129091	82.27	ug/l	97
29) Tetrahydrofuran	4.24	42	113736	369.55	ug/l	97
30) Chloroform	4.02	83	509969	90.80	ug/l	98
31) Cyclohexane	3.86	56	201158	89.85	ug/l	90
32) 1,1,1-Trichloroethane	4.27	97	437630	93.27	ug/l	95
36) 1,1-Dichloropropene	4.45	75	317510	92.57	ug/l	94
37) Ethyl Acetate	4.28	43	120260	78.55	ug/l #	80
38) Carbon Tetrachloride	4.16	117	460237	91.74	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	253647	93.12	ug/l	97
40) Benzene	4.80	78	570875	89.91	ug/l	97
41) Methacrylonitrile	4.92	41	58668	74.22	ug/l #	68
42) 1,2-Dichloroethane	5.11	62	377156	87.05	ug/l	98
43) Isopropyl Acetate	7.11	43	164612	83.00	ug/l #	100
44) Trichloroethene	5.67	130	211837	87.24	ug/l	96
45) 1,2-Dichloropropane	6.40	63	157452	90.70	ug/l	96
46) Dibromomethane	6.25	93	128835	86.88	ug/l	95
47) Bromodichloromethane	6.54	83	382597	88.29	ug/l #	95
48) Methyl methacrylate	6.87	41	125955	85.21	ug/l	94
49) 1,4-Dioxane	6.86	88	15968	1906.24	ug/l	92
51) 4-Methyl-2-Pentanone	8.40	43	568769	410.43	ug/l	98
52) Toluene	7.78	92	408992	84.99	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	334767	91.14	ug/l	100
54) cis-1,3-Dichloropropene	7.45	75	341789	92.92	ug/l	97
55) 1,1,2-Trichloroethane	8.64	97	150695	88.42	ug/l	93
56) Ethyl methacrylate	8.75	69	174924	89.14	ug/l	92
57) 1,3-Dichloropropane	8.99	76	252964	84.91	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.77	63	88019	423.04	ug/l	100
59) 2-Hexanone	9.62	43	451736	402.91	ug/l	98
60) Dibromochloromethane	8.86	129	272667	91.45	ug/l	98
61) 1,2-Dibromoethane	9.13	107	180731	90.22	ug/l	92
64) Tetrachloroethene	8.30	164	222326	87.18	ug/l	95
65) Chlorobenzene	9.94	112	569305	89.71	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	253190	88.02	ug/l	96
67) Ethyl Benzene	10.04	91	1008482	89.08	ug/l	99
68) m/p-Xylenes	10.26	106	703497	181.82	ug/l	92
69) o-Xylene	10.82	106	376368	88.49	ug/l	92
70) Styrene	10.89	104	568687	89.48	ug/l	96
71) Bromoform	10.88	173	152534	80.65	ug/l	96
73) Isopropylbenzene	11.22	105	1194865	87.96	ug/l	98
74) N-amyl acetate	11.46	43	296182	87.49	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	188412	75.70	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	181415	85.64	ug/l	85
77) Bromobenzene	11.59	156	304590	84.67	ug/l	92
78) n-propylbenzene	11.68	91	1377005	85.15	ug/l	98
79) 2-Chlorotoluene	11.81	91	798919	82.12	ug/l	89
80) 1,3,5-Trimethylbenzene	11.91	105	1015095	84.61	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.96	75	100536	95.28	ug/l	91
82) 4-Chlorotoluene	11.99	91	920351	84.91	ug/l	95
83) tert-Butylbenzene	12.21	119	981161	83.17	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	1037808	84.85	ug/l	94
85) sec-Butylbenzene	12.38	105	1307705	86.77	ug/l	99
86) p-Isopropyltoluene	12.54	119	1170717	89.16	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	567463	84.73	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	542739	85.10	ug/l	97
89) n-Butylbenzene	12.91	91	1108287	88.56	ug/l	96
90) Hexachloroethane	12.99	117	286732	88.99	ug/l	94
91) 1,2-Dichlorobenzene	13.01	146	531414	84.77	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	49513	81.89	ug/l	76

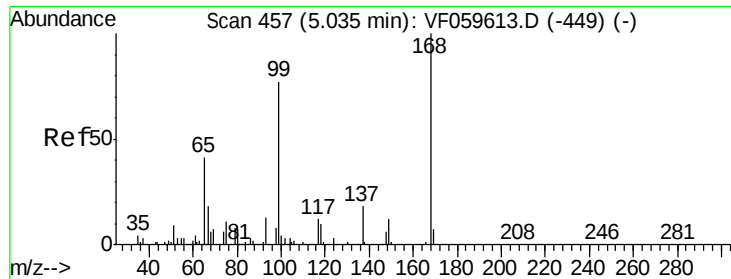
Data Path : Z:\voasrv\HPCHEM1\MSVOA F\Data\VF072318\
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QLast Update : Mon Jul 23 15:11:56 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	389384	86.62	ug/l	98
94) Hexachlorobutadiene	14.26	225	281895	96.49	ug/l	95
95) Naphthalene	14.52	128	684796	87.47	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	381374	92.80	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Instrument :

MSVOA_F

ClientSampleId :

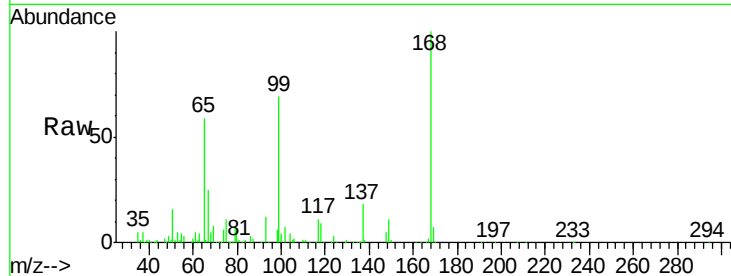
VSTDIC100

Tot Ion:168 Resp: 240819

Ion Ratio Lower Upper

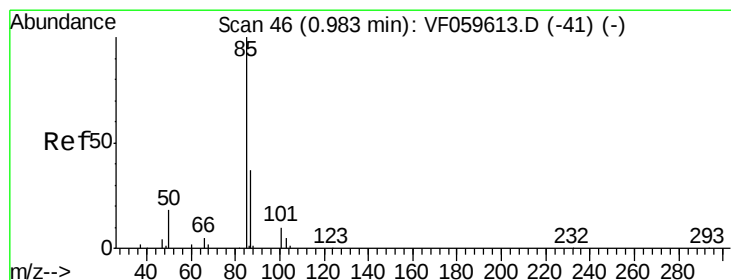
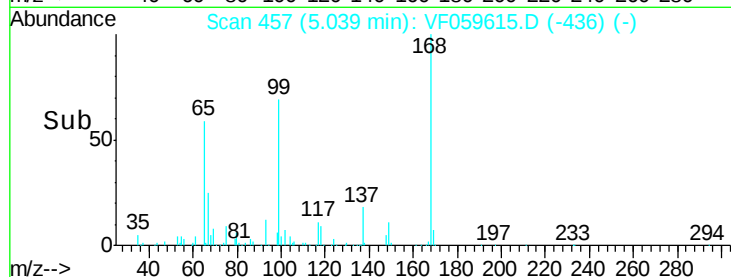
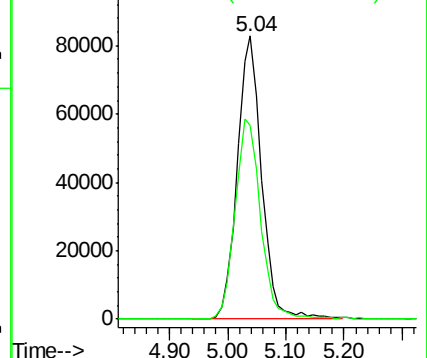
168 100

99 68.6 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: 88.65 ug/l

RT: 0.98 min Scan# 45

Delta R.T. -0.01 min

Lab File: VF059615.D

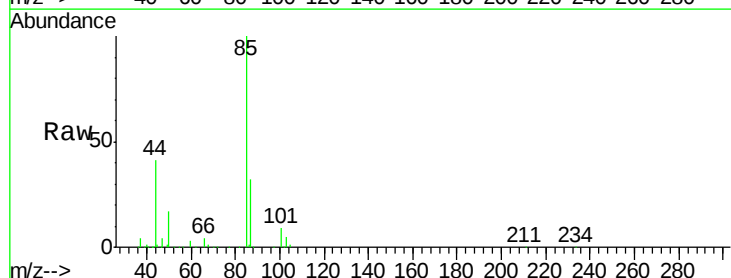
Acq: 23 Jul 2018 15:14

Tgt Ion: 85 Resp: 270315

Ion Ratio Lower Upper

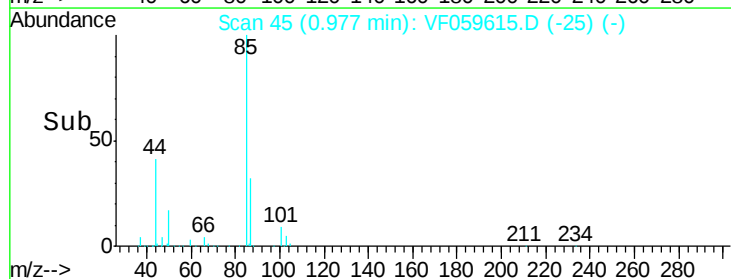
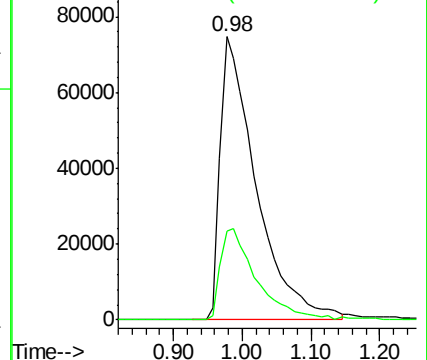
85 100

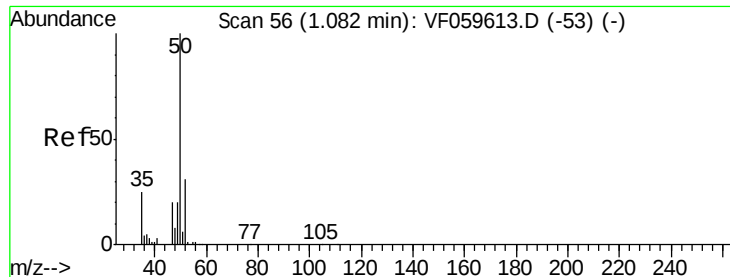
87 31.5 18.3 54.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 87.41 ug/l

RT: 1.09 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Instrument :

MSVOA_F

ClientSampleId :

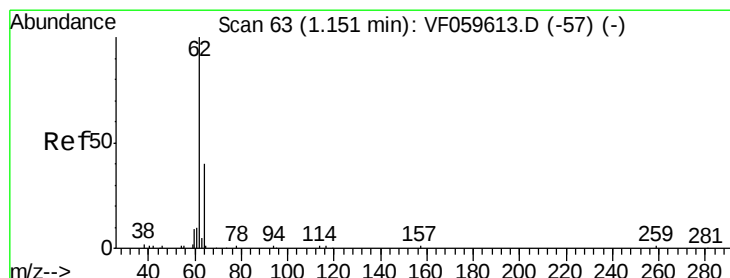
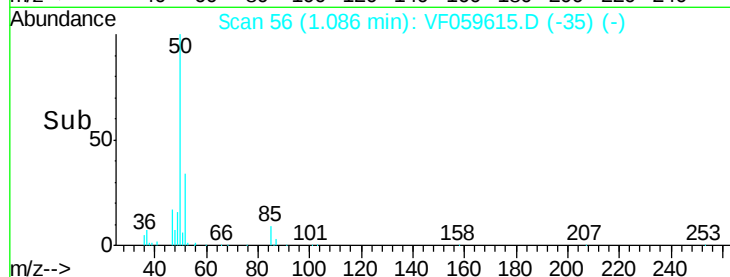
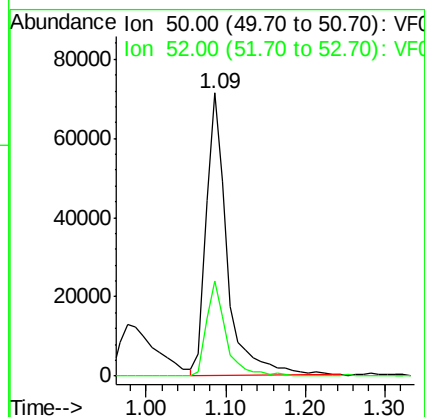
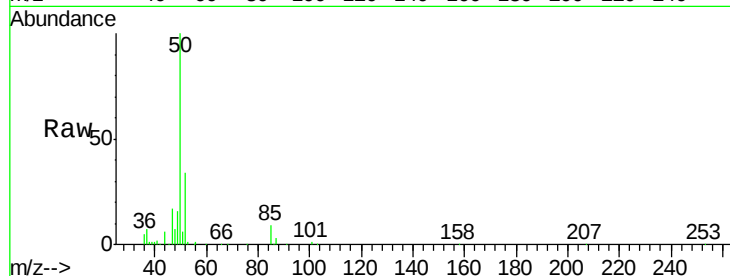
VSTDIC100

Tot Ion: 50 Resp: 129843

Ion Ratio Lower Upper

50 100

52 33.7 23.7 35.5



#4

Vinyl Chloride

Concen: 95.72 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059615.D

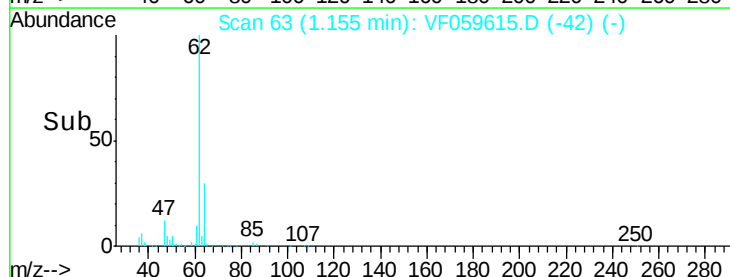
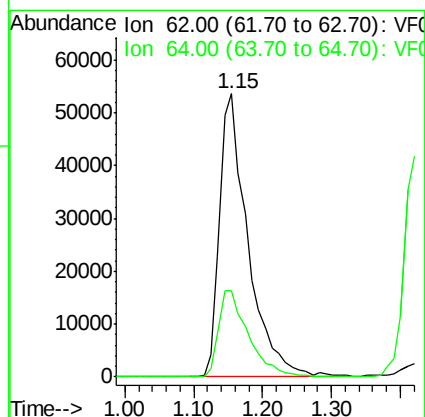
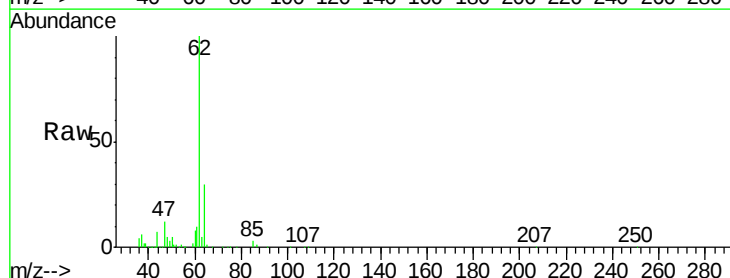
Acq: 23 Jul 2018 15:14

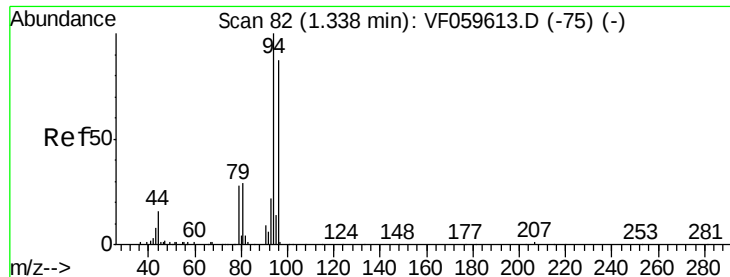
Tgt Ion: 62 Resp: 153401

Ion Ratio Lower Upper

62 100

64 30.4 32.2 48.4#





#5

Bromomethane

Concen: 86.33 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Instrument :

MSVOA_F

ClientSampleId :

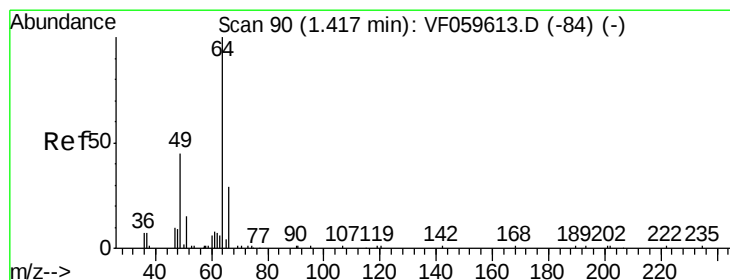
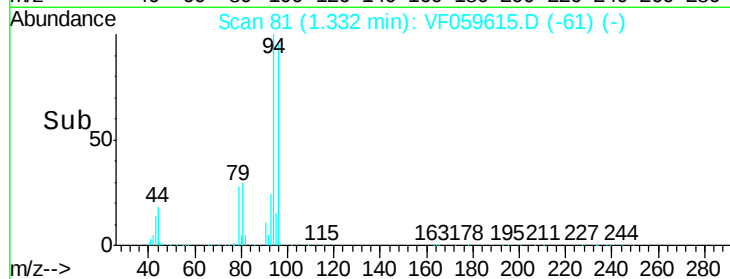
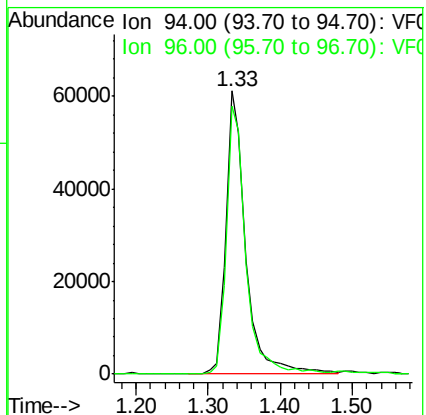
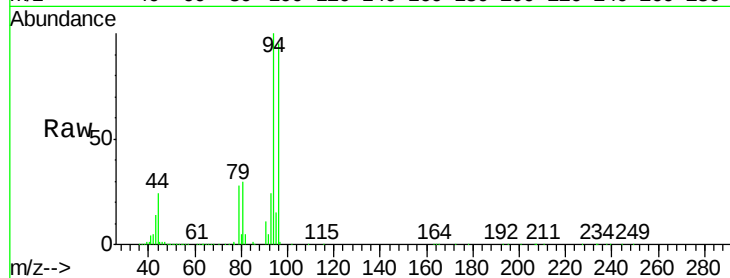
VSTDIC100

Tot Ion: 94 Resp: 114764

Ion Ratio Lower Upper

94 100

96 94.6 69.8 104.8



#6

Chloroethane

Concen: 93.44 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.00 min

Lab File: VF059615.D

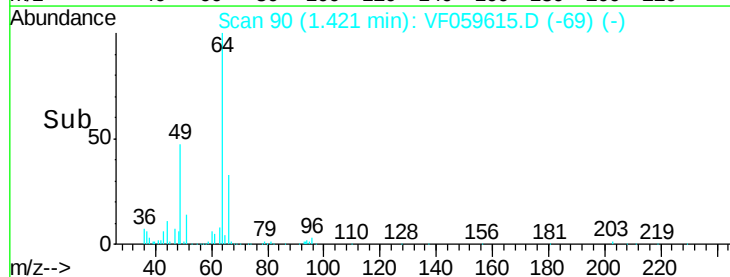
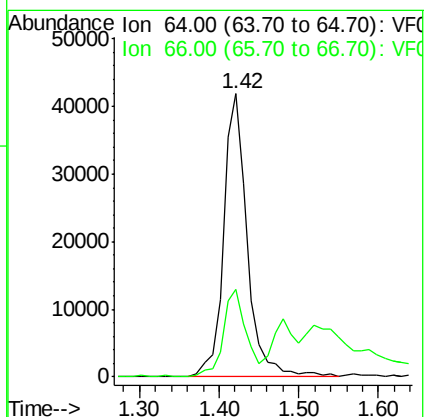
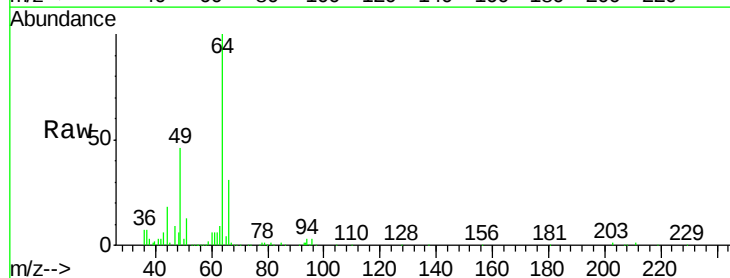
Acq: 23 Jul 2018 15:14

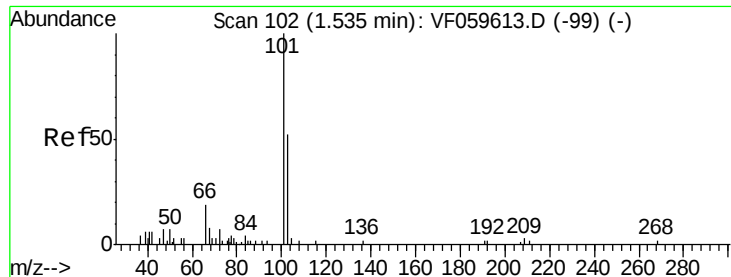
Tgt Ion: 64 Resp: 87308

Ion Ratio Lower Upper

64 100

66 31.1 23.7 35.5



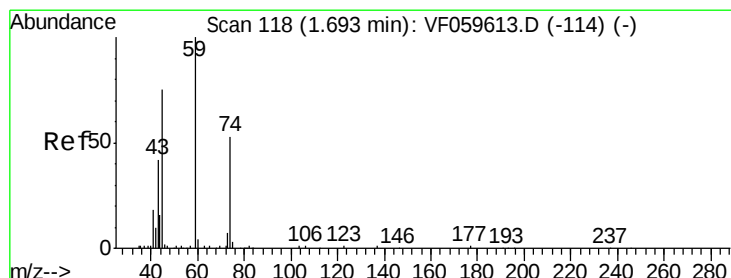
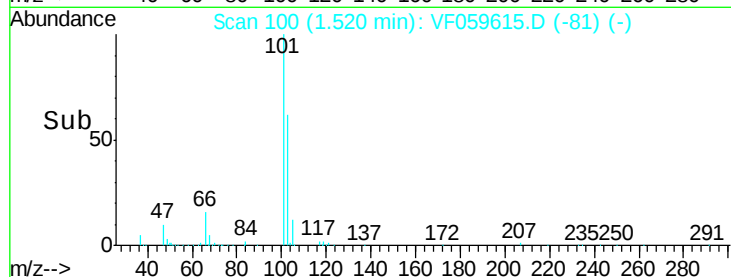
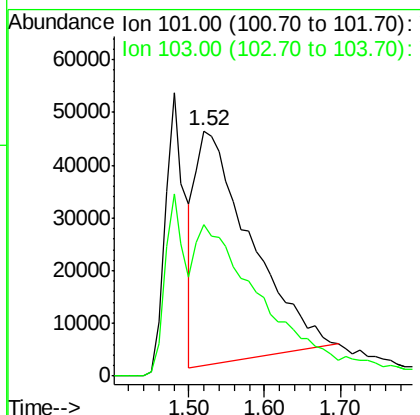
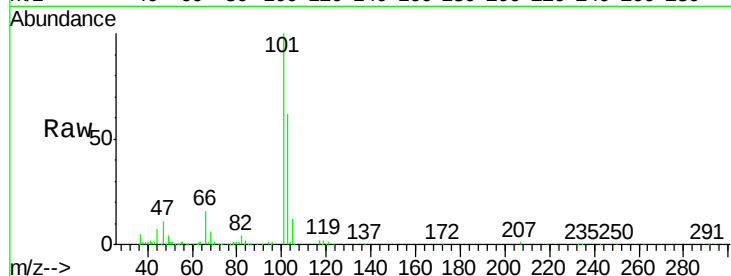


#7

Trichlorofluoromethane
 Concen: 53.31 ug/l
 RT: 1.52 min Scan# 100
 Delta R.T. -0.02 min
 Lab File: VF059615.D
 Acq: 23 Jul 2018 15:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

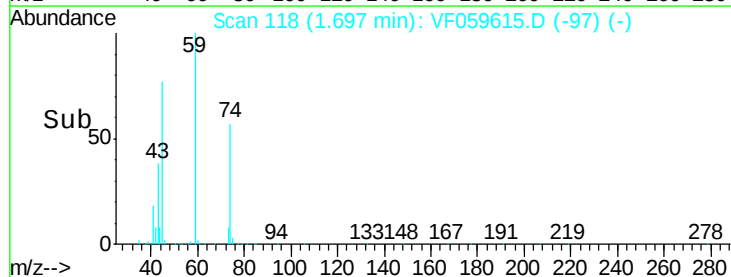
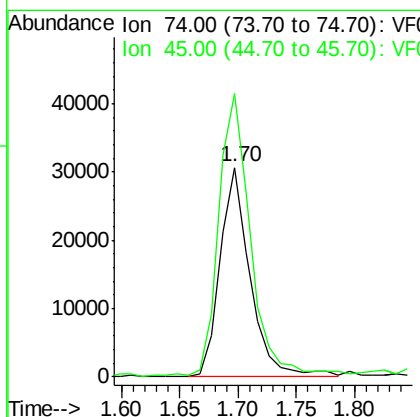
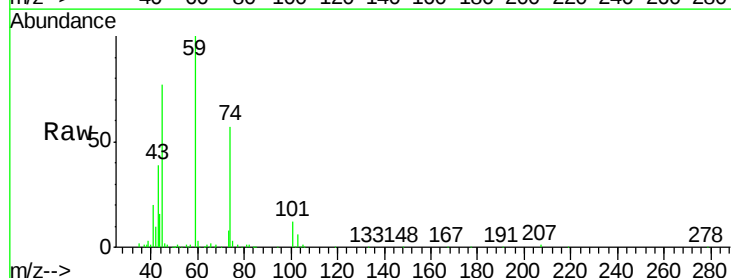
Tot Ion:101 Resp: 223762
 Ion Ratio Lower Upper
 101 100
 103 61.6 48.2 72.4

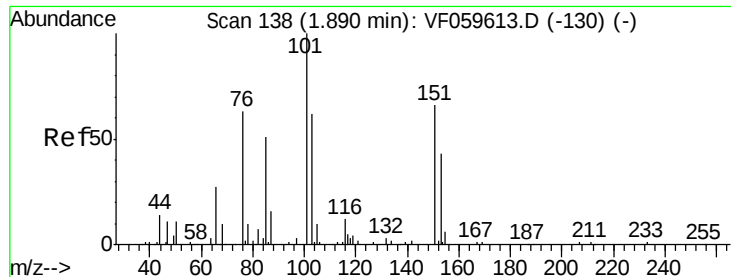


#8

Diethyl Ether
 Concen: 82.98 ug/l
 RT: 1.70 min Scan# 118
 Delta R.T. 0.00 min
 Lab File: VF059615.D
 Acq: 23 Jul 2018 15:14

Tgt Ion: 74 Resp: 54813
 Ion Ratio Lower Upper
 74 100
 45 135.0 72.0 215.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 84.21 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

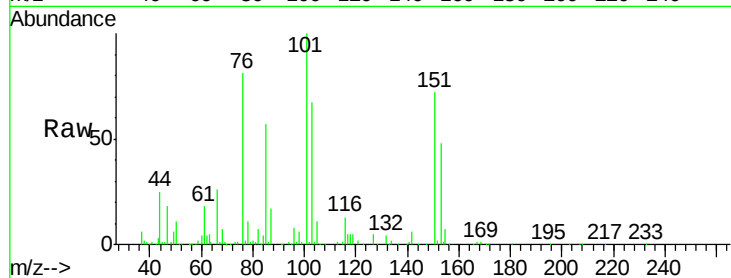
Tot Ion:101 Resp: 176706

Ion Ratio Lower Upper

101 100

85 57.3 40.2 60.2

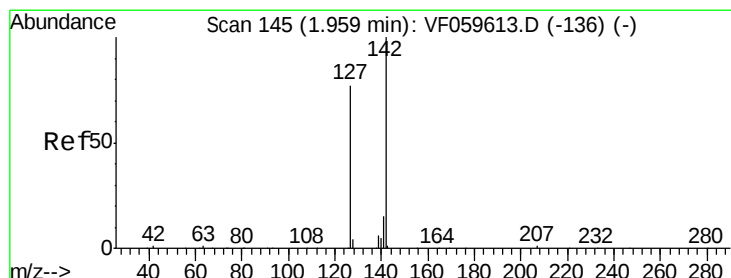
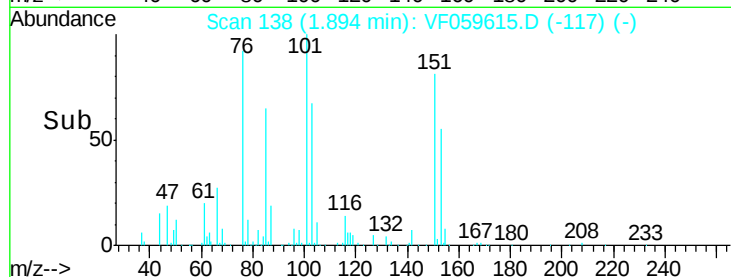
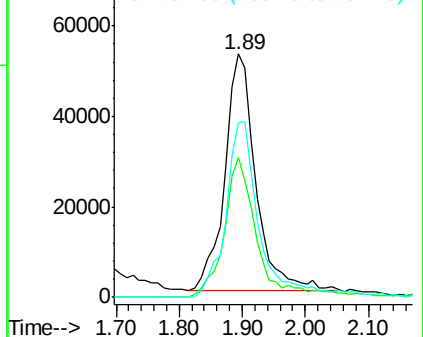
151 71.6 51.4 77.2



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: 94.64 ug/l

RT: 1.95 min Scan# 144

Delta R.T. -0.01 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

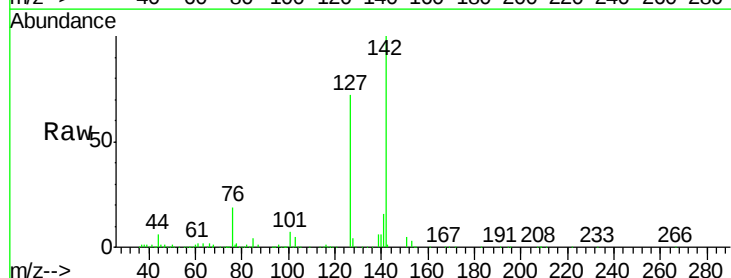
Tgt Ion:142 Resp: 329943

Ion Ratio Lower Upper

142 100

127 72.2 61.2 91.8

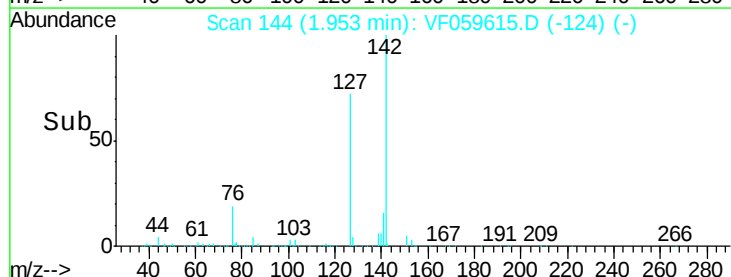
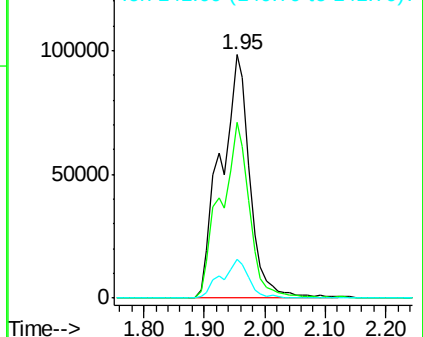
141 15.7 12.0 18.0

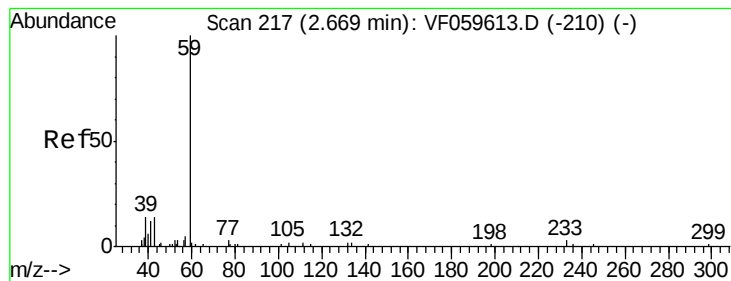


Abundance Ion 142.00 (141.70 to 142.70):

Ion 127.00 (126.70 to 127.70):

Ion 141.00 (140.70 to 141.70):



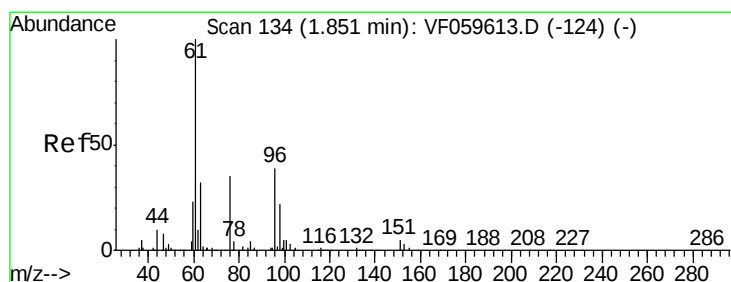
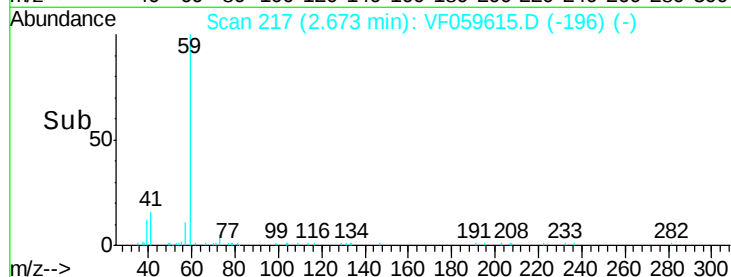
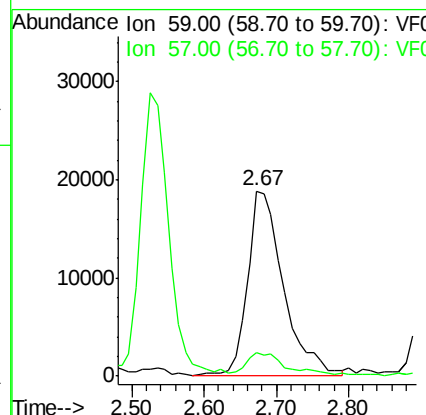
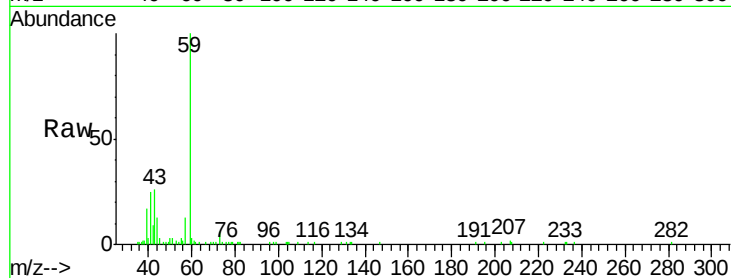


#11

Tert butyl alcohol
 Concen: 397.67 ug/l
 RT: 2.67 min Scan# 217
 Delta R.T. 0.00 min
 Lab File: VF059615.D
 Acq: 23 Jul 2018 15:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

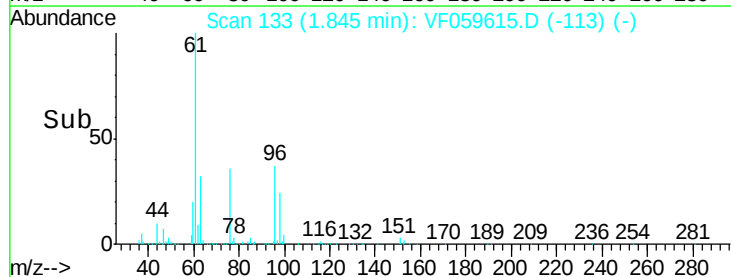
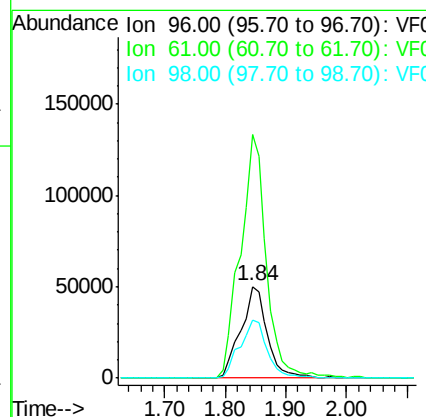
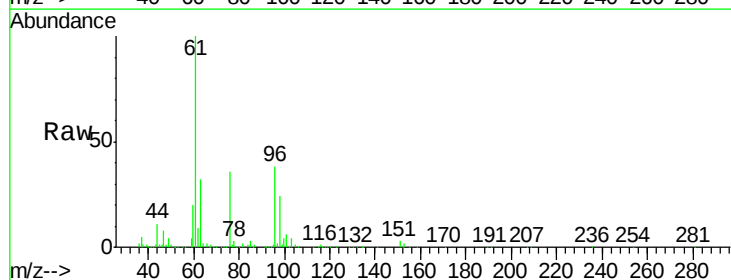
Tot Ion: 59 Resp: 64516
 Ion Ratio Lower Upper
 59 100
 57 12.6 8.6 12.8

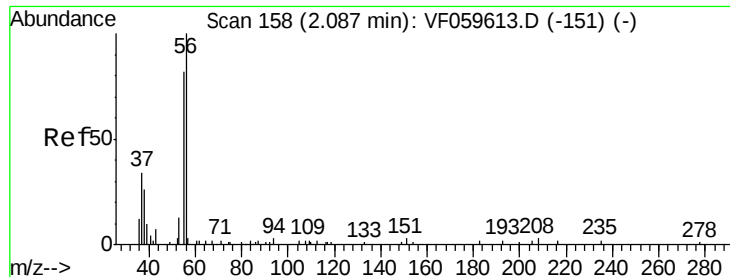


#12

1,1-Dichloroethene
 Concen: 87.18 ug/l
 RT: 1.84 min Scan# 133
 Delta R.T. -0.01 min
 Lab File: VF059615.D
 Acq: 23 Jul 2018 15:14

Tgt Ion: 96 Resp: 152983
 Ion Ratio Lower Upper
 96 100
 61 265.9 207.2 310.8
 98 62.7 45.5 68.3





#13

Acrolein

Concen: 563.48 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Instrument :

MSVOA_F

ClientSampleId :

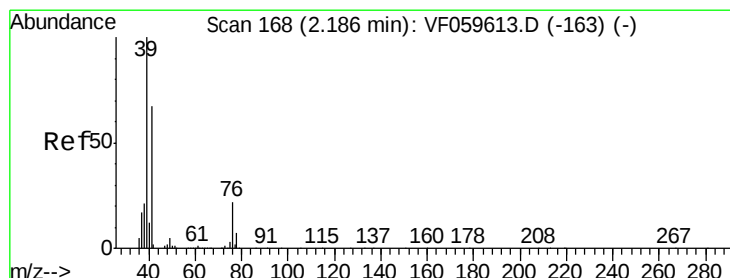
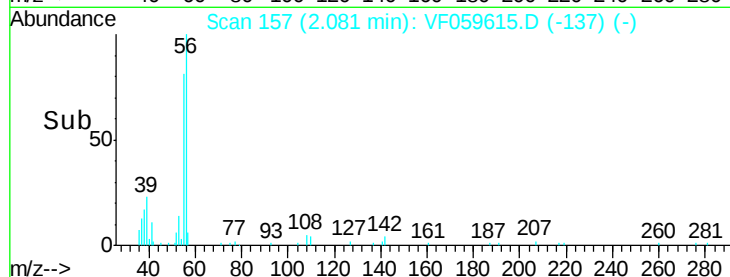
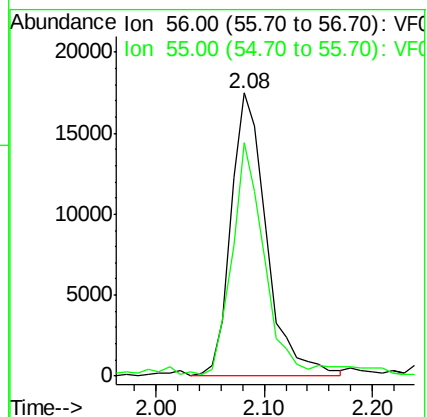
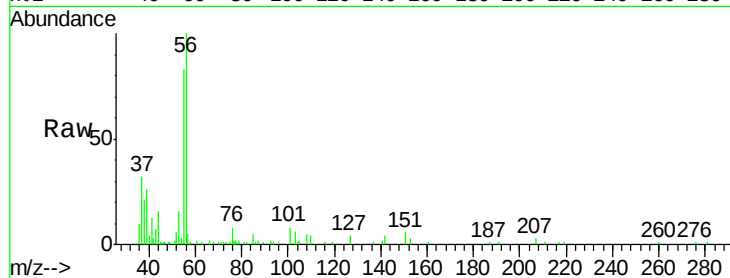
VSTDIC100

Tot Ion: 56 Resp: 39959

Ion Ratio Lower Upper

56 100

55 82.7 65.6 98.4



#14

Allyl chloride

Concen: 97.85 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.01 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

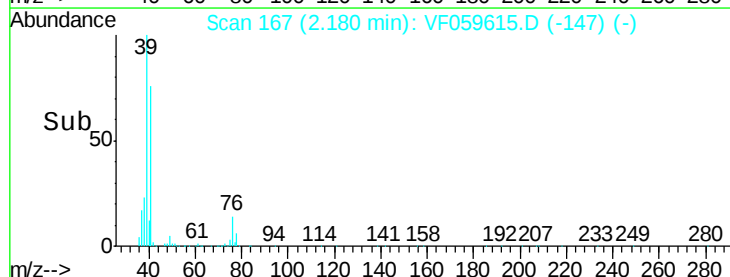
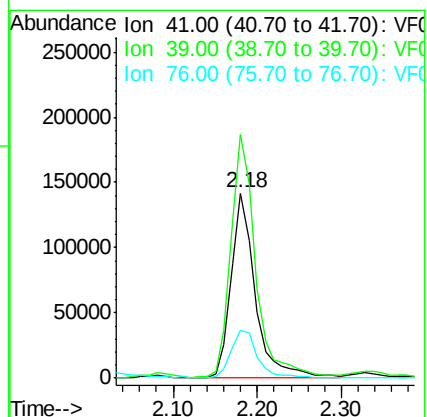
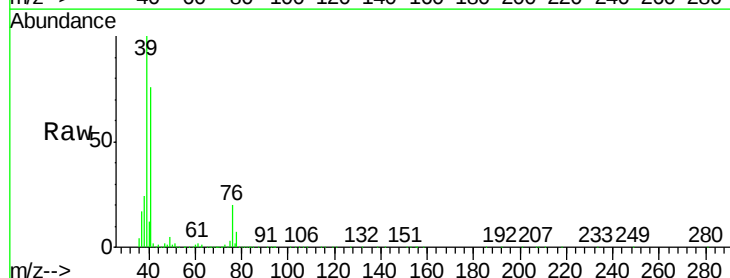
Tgt Ion: 41 Resp: 280696

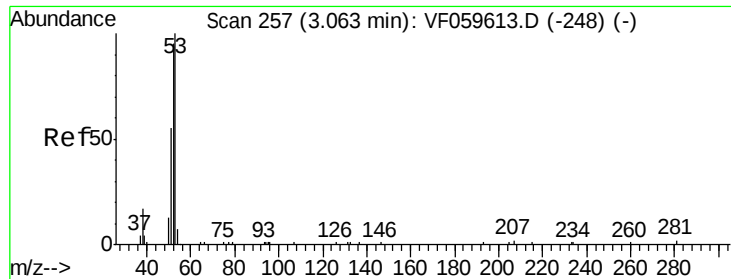
Ion Ratio Lower Upper

41 100

39 131.8 119.0 178.4

76 26.1 26.3 39.5#





#15

Acrylonitrile

Concen: 398.98 ug/l

RT: 3.07 min Scan# 257

Delta R.T. 0.00 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

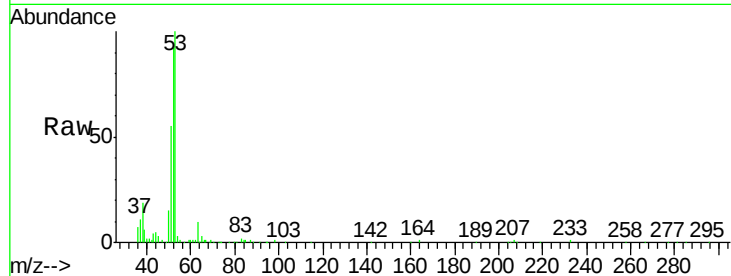
Tot Ion: 53 Resp: 105818

Ion Ratio Lower Upper

53 100

52 91.8 76.2 114.2

51 55.2 45.8 68.8

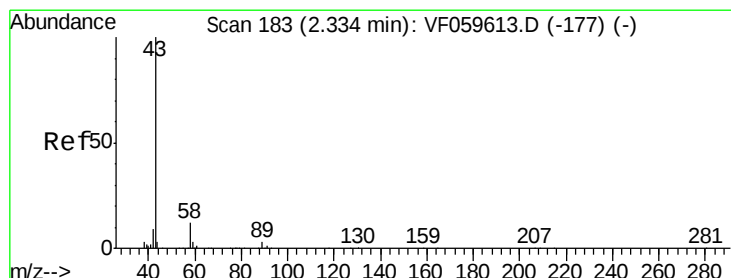
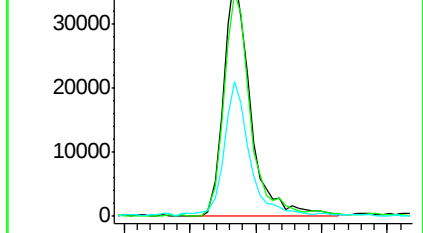
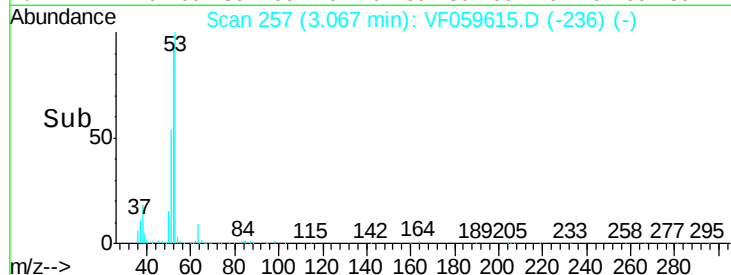


Abundance Ion 53.00 (52.70 to 53.70): VF059615.D (-236) (-)

Ion 52.00 (51.70 to 52.70): VF059615.D (-236) (-)

Ion 51.00 (50.70 to 51.70): VF059615.D (-236) (-)

Time-->



#16

Acetone

Concen: 398.54 ug/l

RT: 2.33 min Scan# 182

Delta R.T. -0.01 min

Lab File: VF059615.D

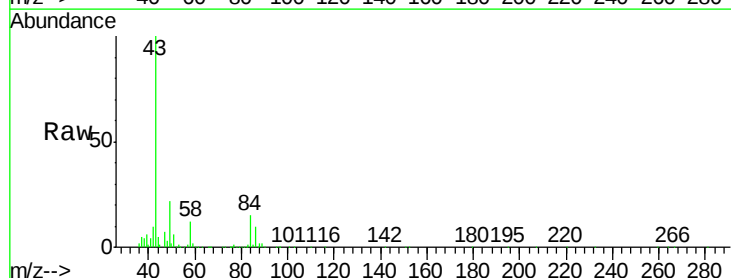
Acq: 23 Jul 2018 15:14

Tgt Ion: 43 Resp: 258600

Ion Ratio Lower Upper

43 100

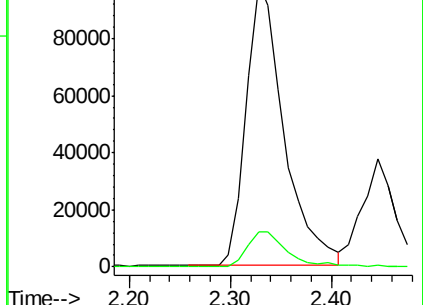
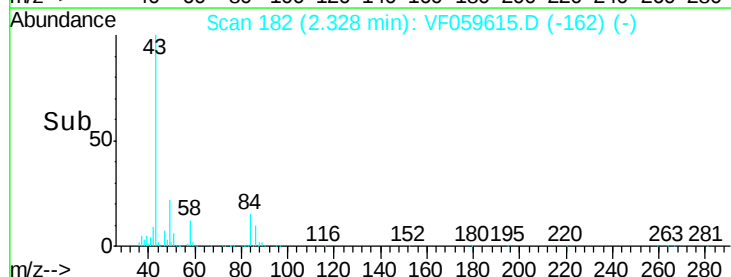
58 12.3 9.8 14.8

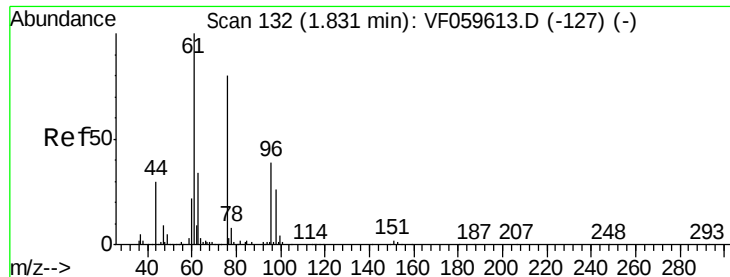


Abundance Ion 43.00 (42.70 to 43.70): VF059615.D (-162) (-)

Ion 58.00 (57.70 to 58.70): VF059615.D (-162) (-)

Time-->





#17

Carbon Disulfide

Concen: 28.21 ug/l

RT: 1.83 min Scan# 132

Delta R.T. 0.00 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Instrument :

MSVOA_F

ClientSampleId :

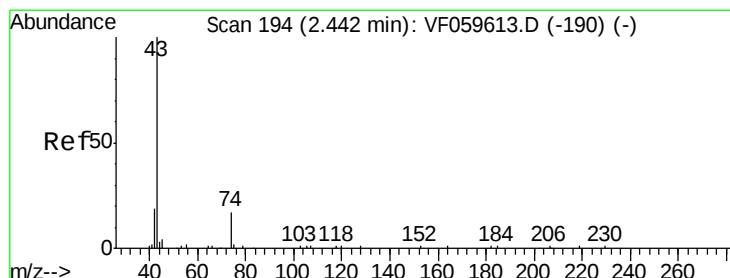
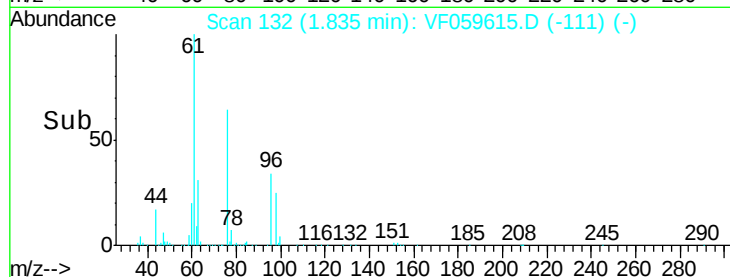
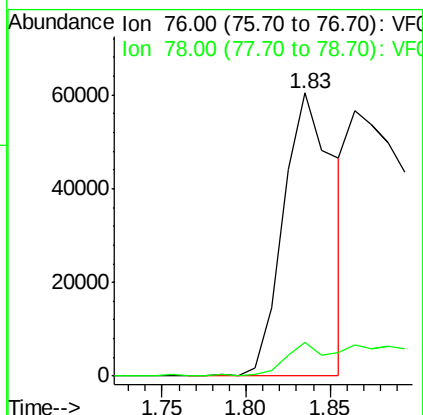
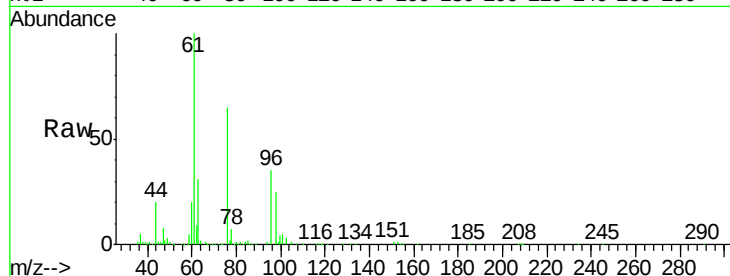
VSTDIC100

Tot Ion: 76 Resp: 127886

Ion Ratio Lower Upper

76 100

78 11.8 7.7 11.5#



#18

Methyl Acetate

Concen: 66.57 ug/l

RT: 2.45 min Scan# 194

Delta R.T. 0.00 min

Lab File: VF059615.D

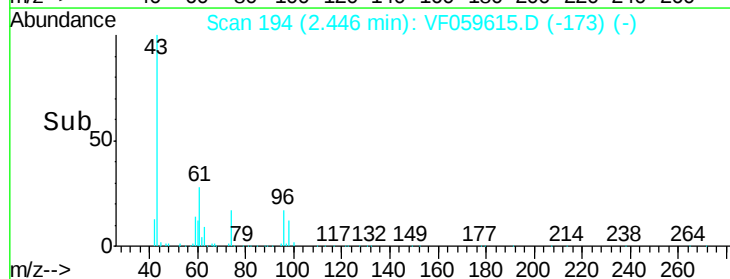
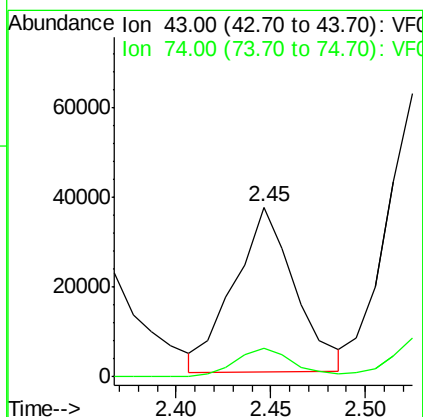
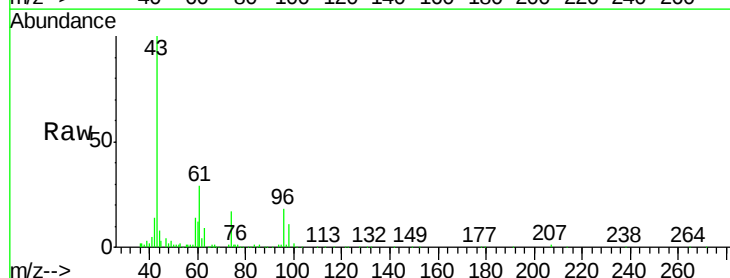
Acq: 23 Jul 2018 15:14

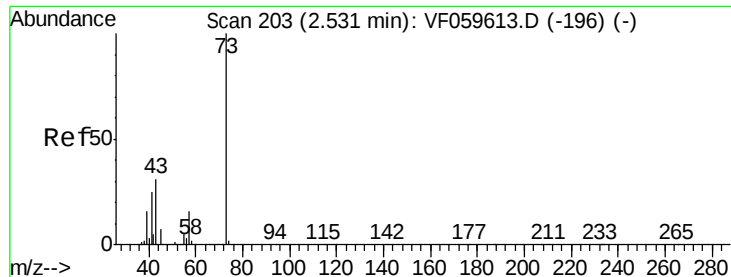
Tgt Ion: 43 Resp: 81572

Ion Ratio Lower Upper

43 100

74 16.6 11.4 17.0



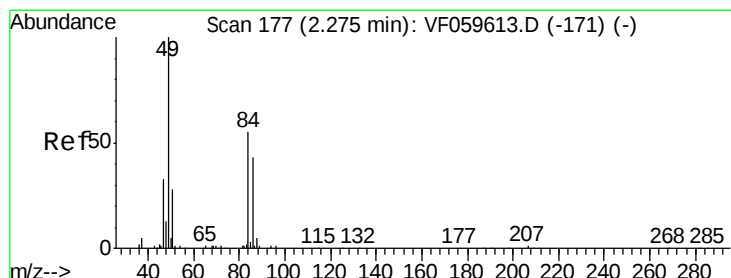
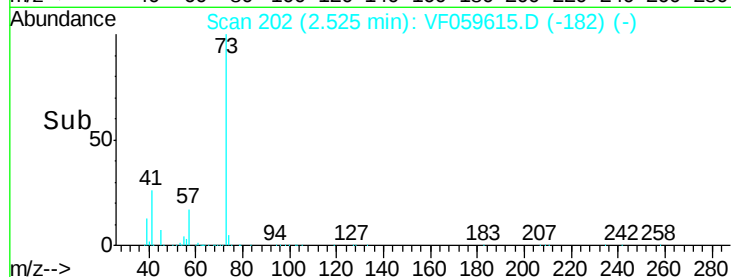
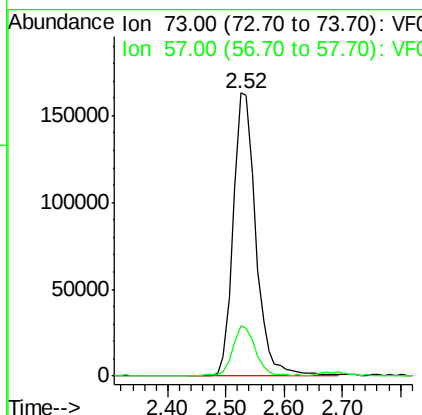
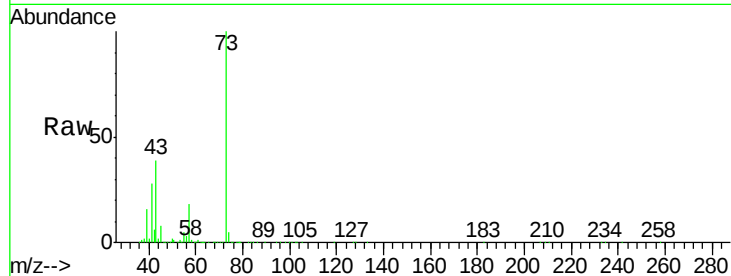


#19

Methyl tert-butyl Ether
Concen: 85.37 ug/l
RT: 2.52 min Scan# 202
Delta R.T. -0.01 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

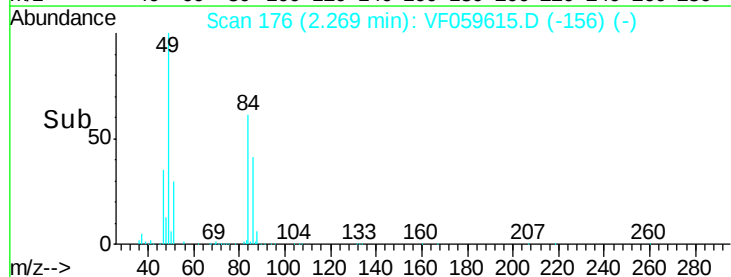
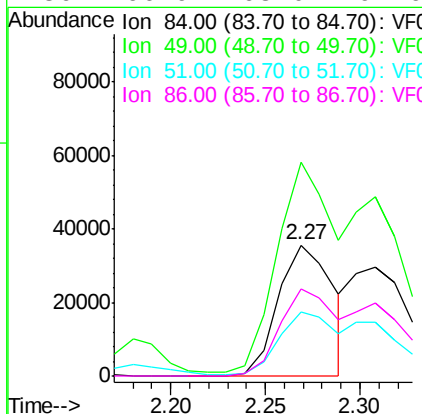
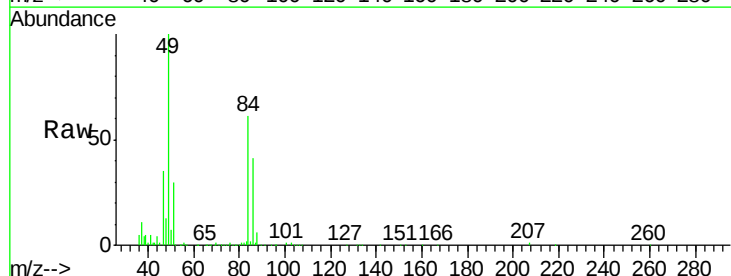
Tot Ion: 73 Resp: 442304
Ion Ratio Lower Upper
73 100
57 17.7 13.2 19.8

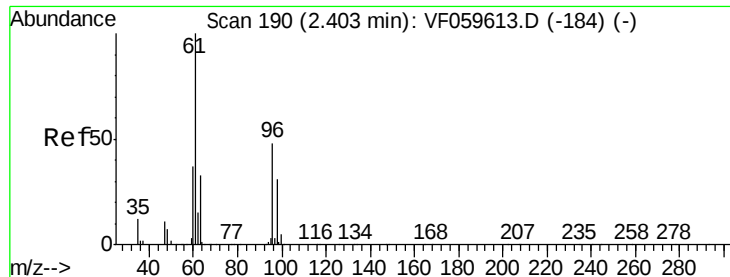


#20

Methylene Chloride
Concen: 36.34 ug/l
RT: 2.27 min Scan# 176
Delta R.T. -0.01 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

Tgt Ion: 84 Resp: 71876
Ion Ratio Lower Upper
84 100
49 163.2 148.6 222.8
51 49.1 42.7 64.1
86 66.9 63.0 94.6





#21

trans-1,2-Dichloroethene

Concen: 87.68 ug/l

RT: 2.41 min Scan# 190

Delta R.T. 0.00 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

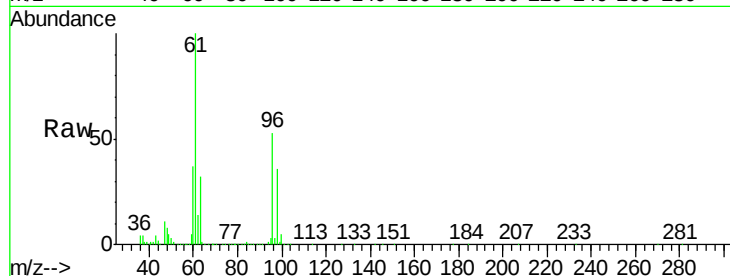
Tot Ion: 96 Resp: 155345

Ion Ratio Lower Upper

96 100

61 188.0 167.0 250.6

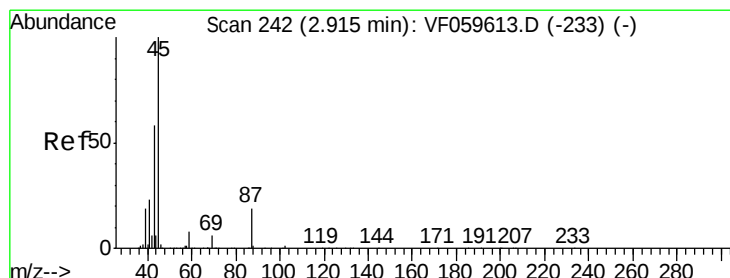
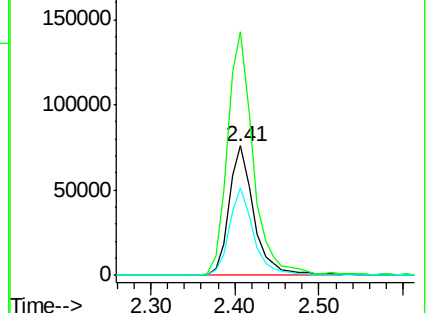
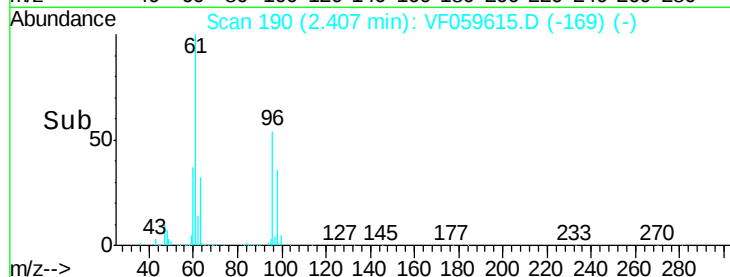
98 67.9 51.8 77.8



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

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

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



#22

Diisopropyl ether

Concen: 88.68 ug/l

RT: 2.92 min Scan# 242

Delta R.T. 0.00 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Tgt Ion: 45 Resp: 526963

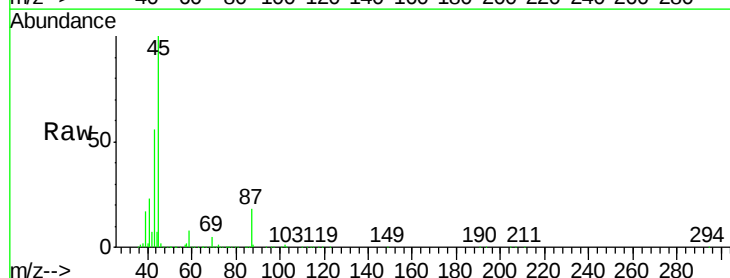
Ion Ratio Lower Upper

45 100

43 56.5 46.7 70.1

87 18.1 15.0 22.6

59 8.4 7.0 10.4

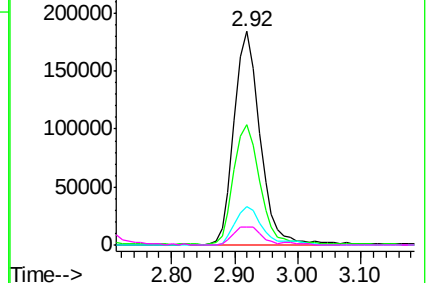
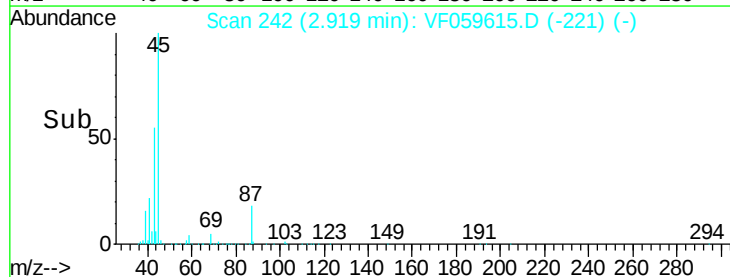


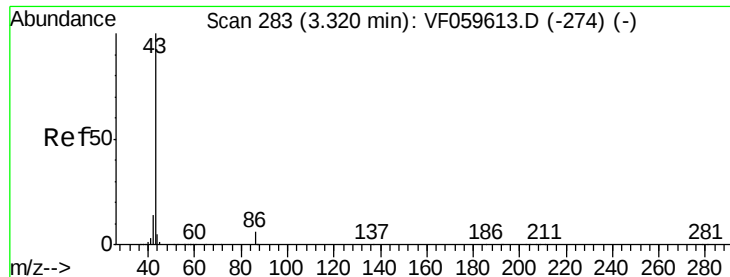
Abundance Ion 45.00 (44.70 to 45.70): VF059613.D (-233) (-)

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

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

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





#23

Vinyl Acetate

Concen: 422.41 ug/l

RT: 3.32 min Scan# 283

Delta R.T. 0.00 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Instrument :

MSVOA_F

ClientSampleId :

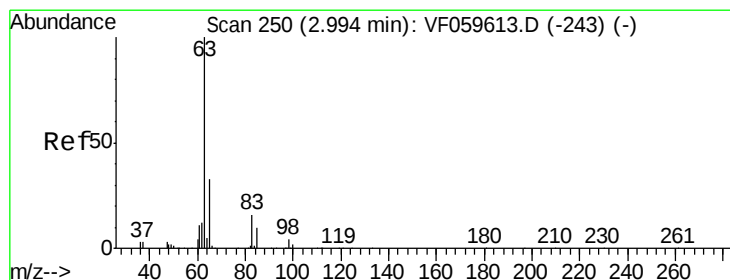
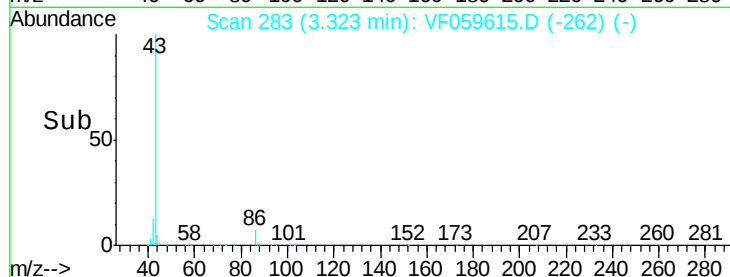
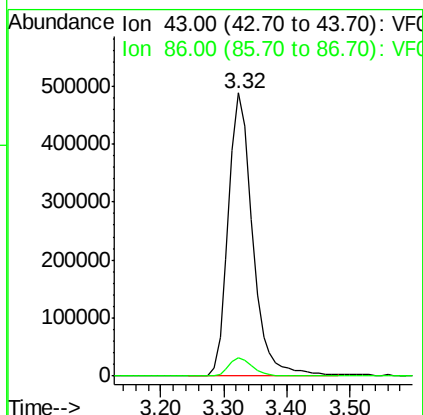
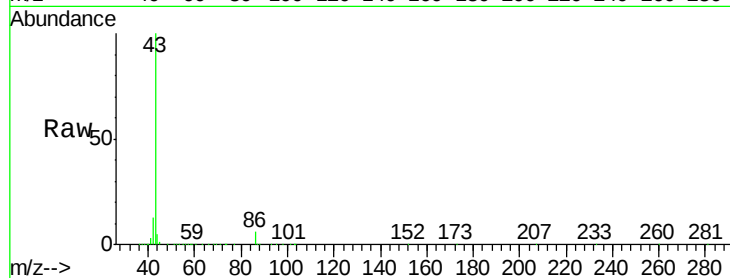
VSTDIC100

Tot Ion: 43 Resp: 1302816

Ion Ratio Lower Upper

43 100

86 6.5 4.6 6.8



#24

1,1-Dichloroethane

Concen: 88.68 ug/l

RT: 2.99 min Scan# 249

Delta R.T. -0.01 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

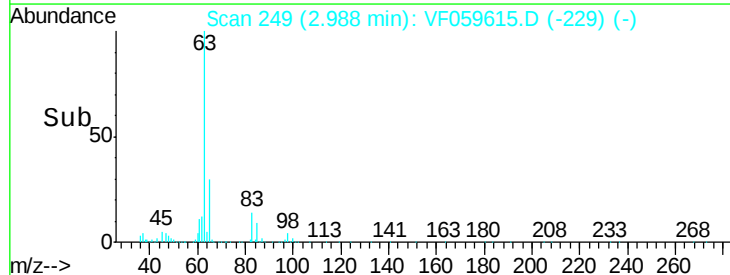
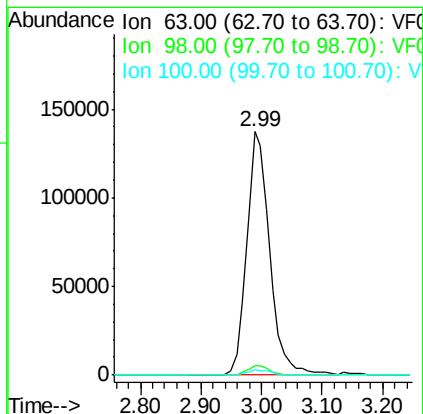
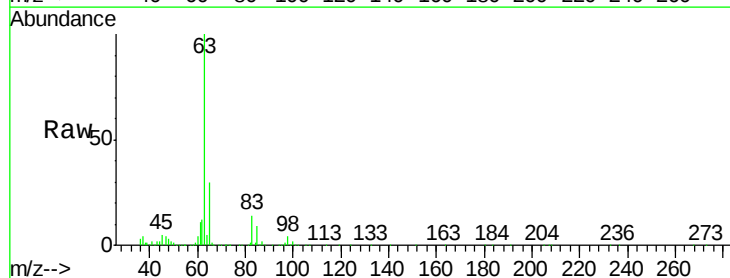
Tgt Ion: 63 Resp: 358623

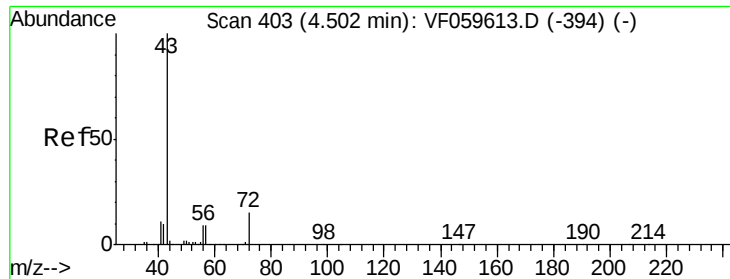
Ion Ratio Lower Upper

63 100

98 3.7 1.9 5.7

100 2.2 1.2 3.6





#25

2-Butanone

Concen: 396.55 ug/l

RT: 4.51 min Scan# 403

Delta R.T. 0.00 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Instrument :

MSVOA_F

ClientSampleId :

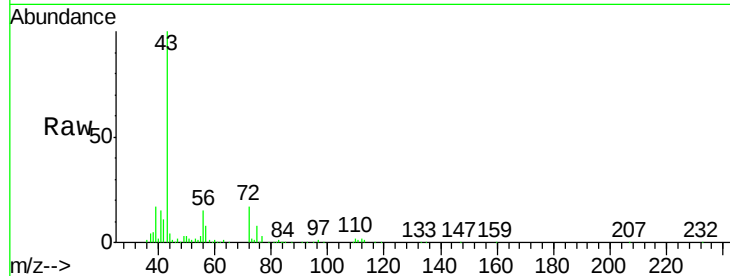
VSTDIC100

Tot Ion: 43 Resp: 288414

Ion Ratio Lower Upper

43 100

72 17.4 12.9 19.3



Abundance Ion 43.00 (42.70 to 43.70): VF059613.D (-394) (-)

Ion 72.00 (71.70 to 72.70): VF059613.D (-394) (-)

80000

60000

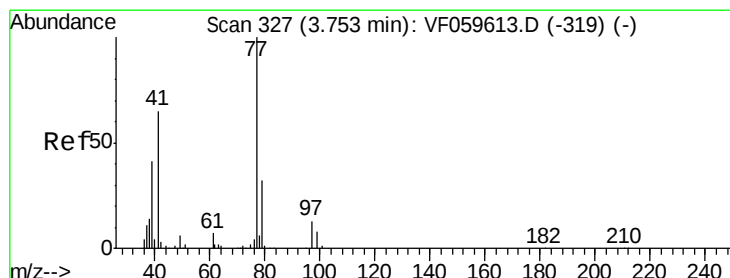
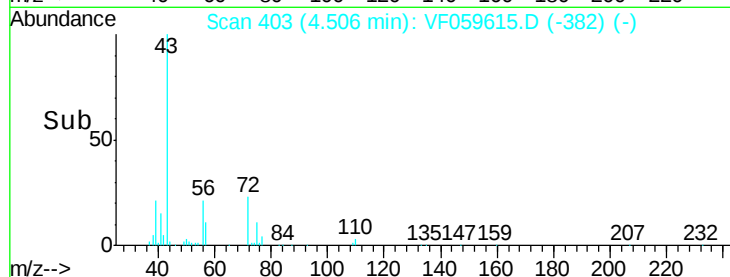
40000

20000

0

4.40 4.50 4.60 4.70

Time-->



#26

2,2-Dichloropropane

Concen: 90.86 ug/l

RT: 3.76 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF059615.D

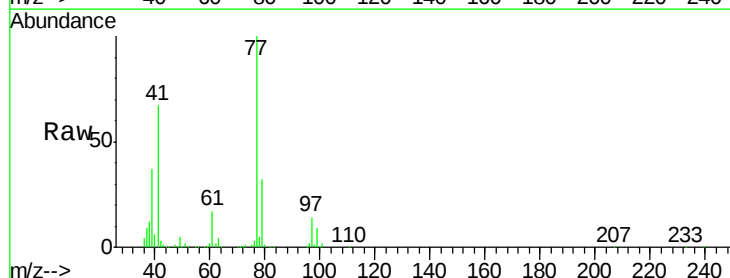
Acq: 23 Jul 2018 15:14

Tgt Ion: 77 Resp: 286267

Ion Ratio Lower Upper

77 100

97 14.2 7.1 21.3



Abundance Ion 77.00 (76.70 to 77.70): VF059613.D (-319) (-)

Ion 97.00 (96.70 to 97.70): VF059613.D (-319) (-)

80000

60000

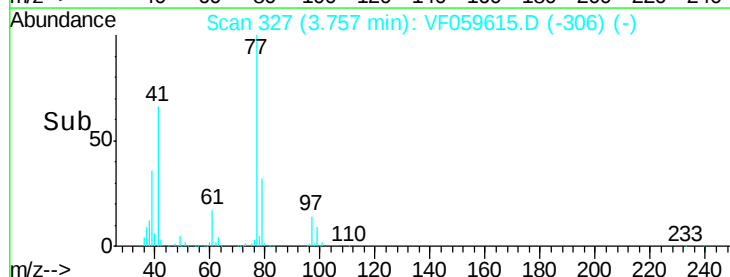
40000

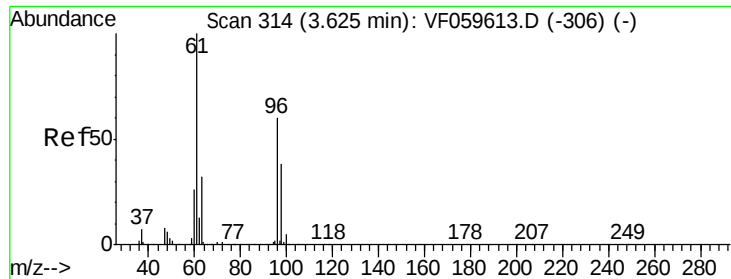
20000

0

3.60 3.70 3.80 3.90

Time-->



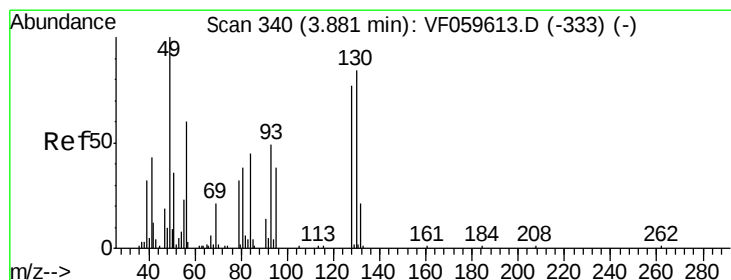
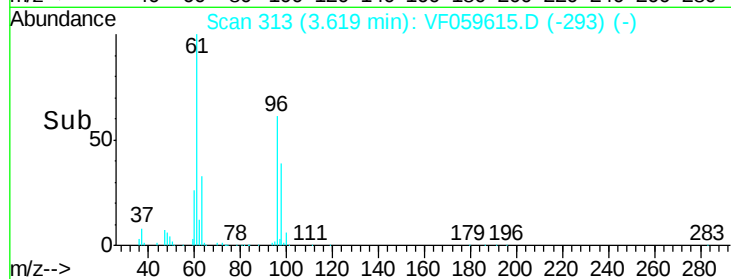
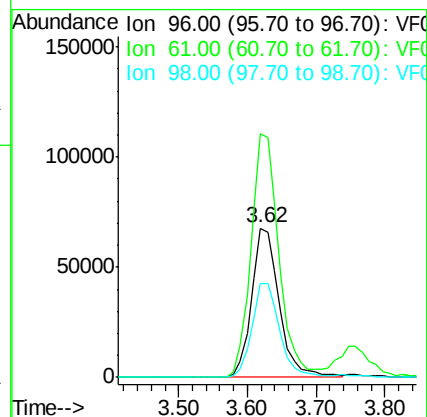
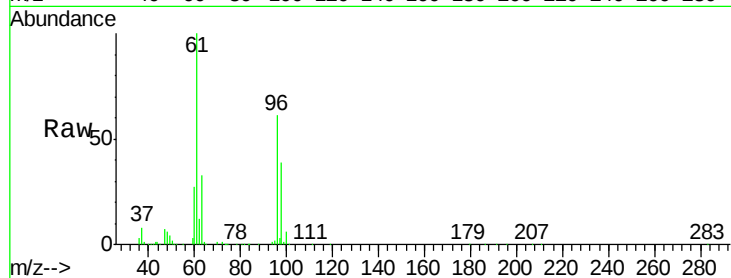


#27

cis-1,2-Dichloroethene
 Concen: 94.71 ug/l
 RT: 3.62 min Scan# 313
 Delta R.T. -0.01 min
 Lab File: VF059615.D
 Acq: 23 Jul 2018 15:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

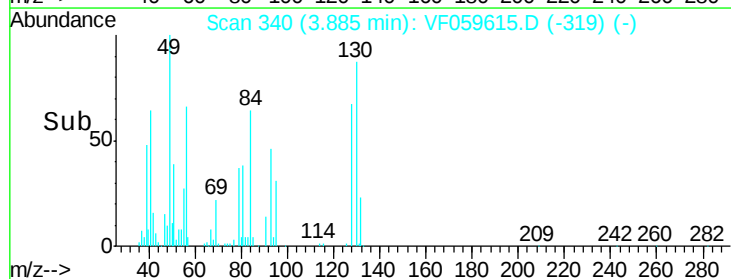
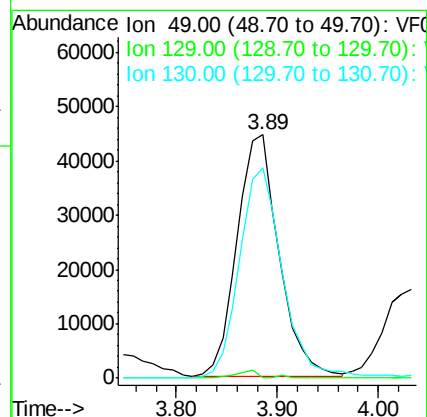
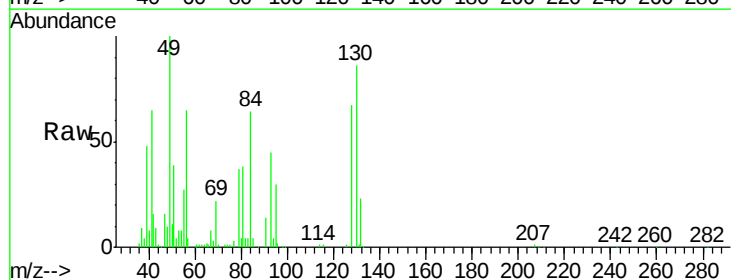
Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	163.2	0.0	335.2	
98	63.3	0.0	126.6	

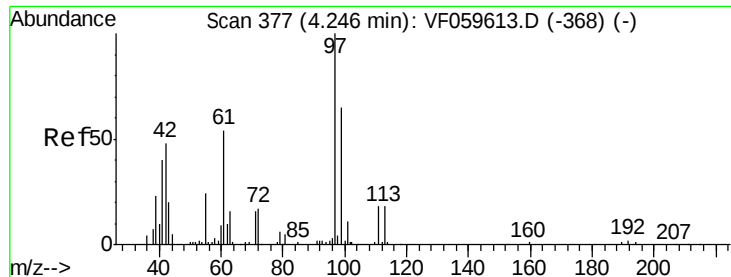


#28

Bromochloromethane
 Concen: 82.27 ug/l
 RT: 3.89 min Scan# 340
 Delta R.T. 0.00 min
 Lab File: VF059615.D
 Acq: 23 Jul 2018 15:14

Tgt Ion	Ion	Ratio	Lower	Upper
49	100			
129	0.0	0.0	4.6	
130	86.2	67.1	100.7	

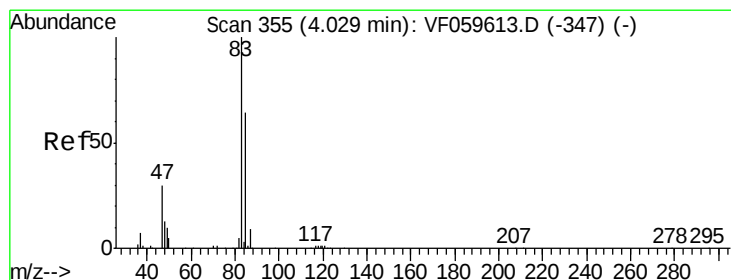
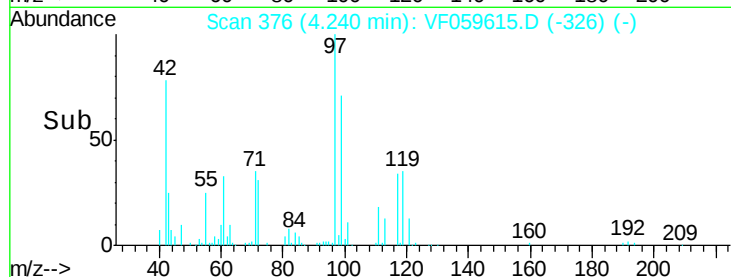
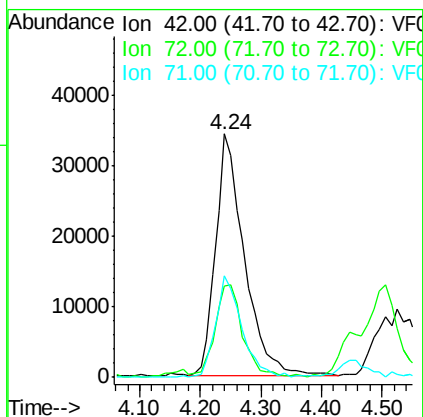
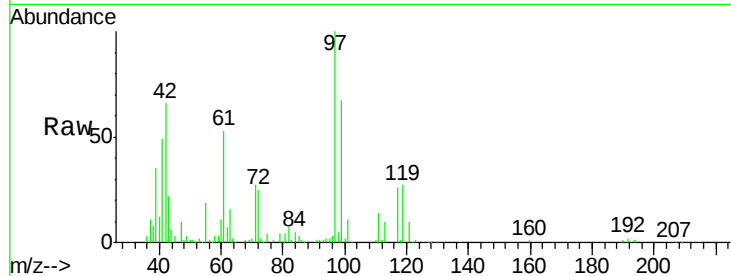




#29
Tetrahydrofuran
Concen: 369.55 ug/l
RT: 4.24 min Scan# 376
Delta R.T. -0.01 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

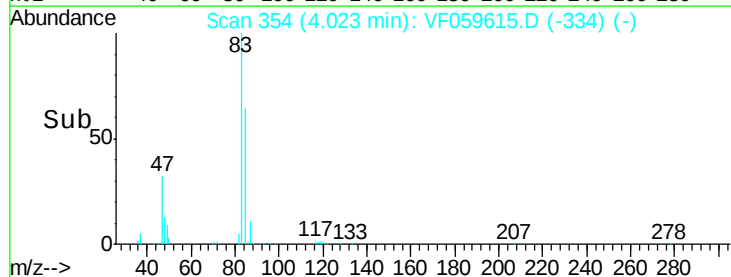
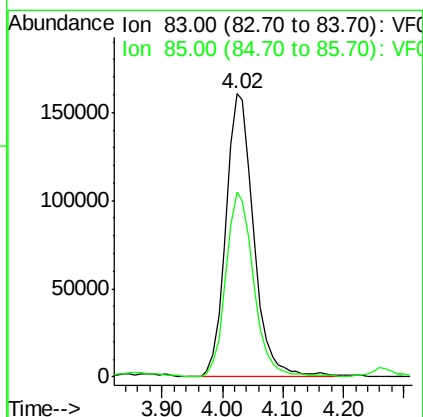
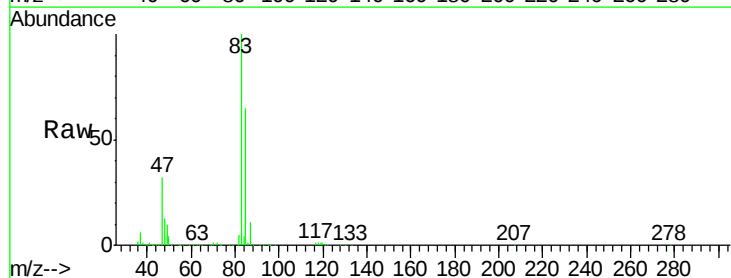
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

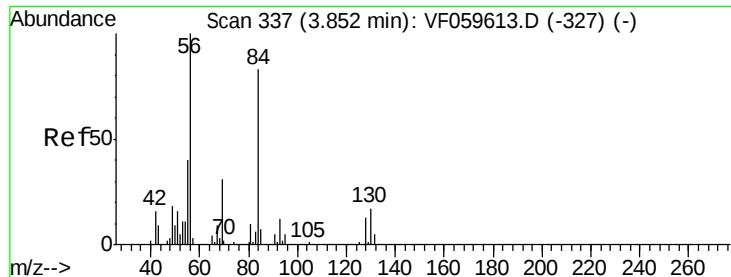
Tot Ion: 42 Resp: 113736
Ion Ratio Lower Upper
42 100
72 37.1 27.9 41.9
71 38.5 29.3 43.9



#30
Chloroform
Concen: 90.80 ug/l
RT: 4.02 min Scan# 354
Delta R.T. -0.01 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

Tgt Ion: 83 Resp: 509969
Ion Ratio Lower Upper
83 100
85 65.1 51.1 76.7





#31

Cyclohexane

Concen: 89.85 ug/l

RT: 3.86 min Scan# 337

Delta R.T. 0.00 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

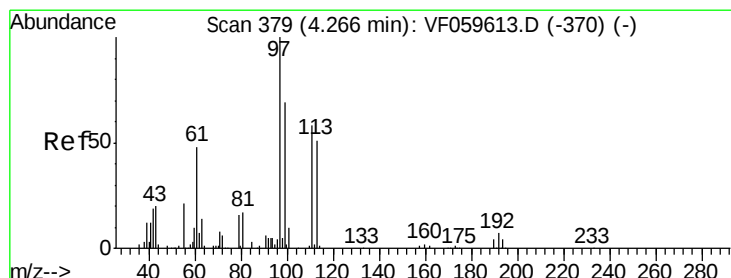
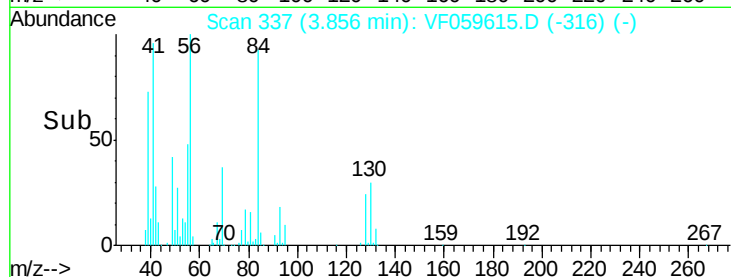
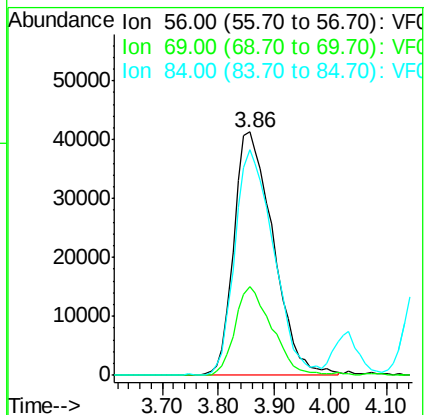
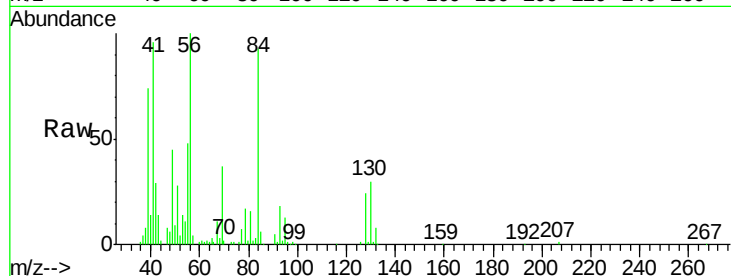
Tot Ion: 56 Resp: 201158

Ion Ratio Lower Upper

56 100

69 36.5 24.6 37.0

84 92.7 66.6 99.8



#32

1,1,1-Trichloroethane

Concen: 93.27 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.00 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

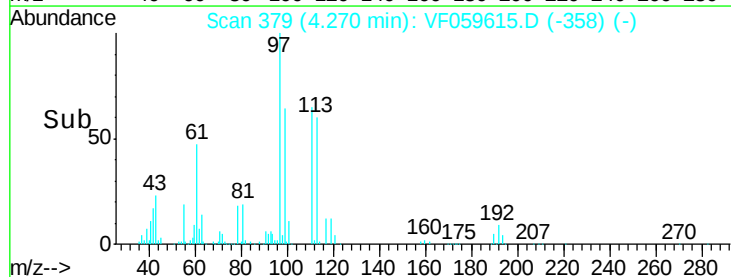
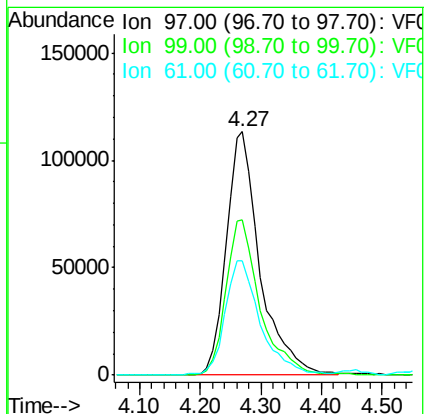
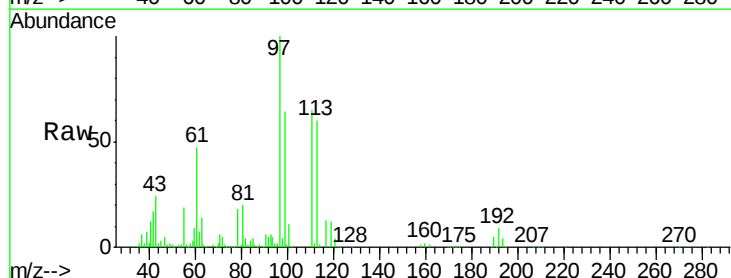
Tgt Ion: 97 Resp: 437630

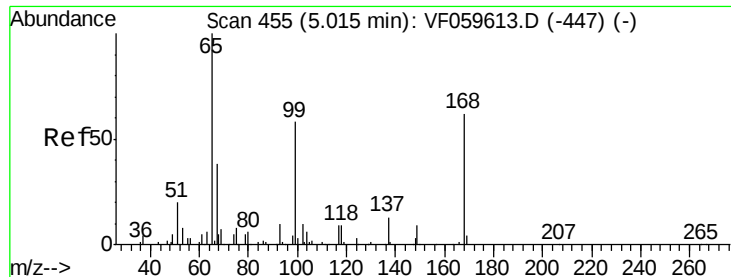
Ion Ratio Lower Upper

97 100

99 63.6 55.4 83.2

61 47.0 39.3 58.9





#33

1,2-Dichloroethane-d4

Concen: 97.63 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.01 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Instrument :

MSVOA_F

ClientSampleId :

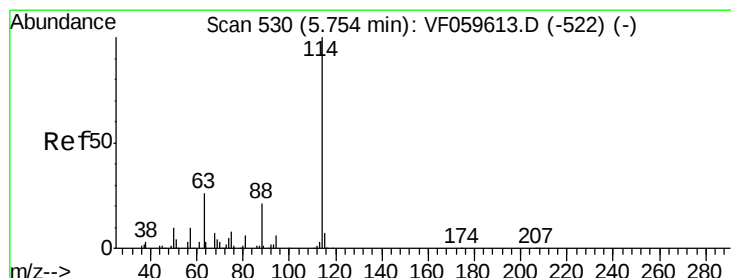
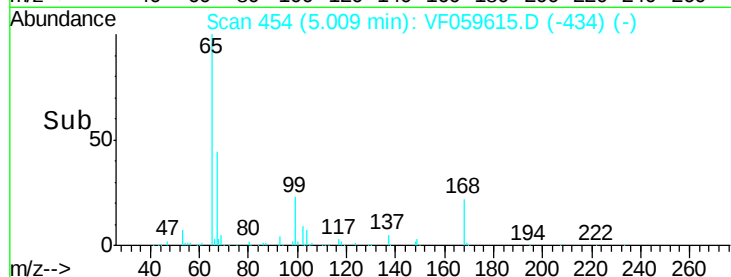
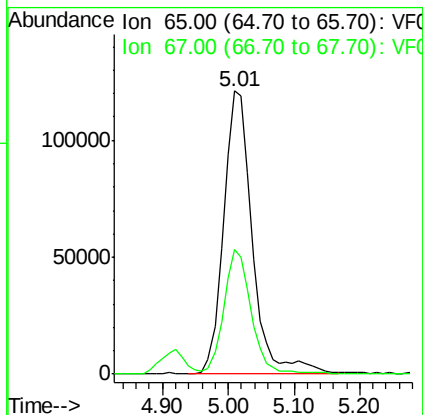
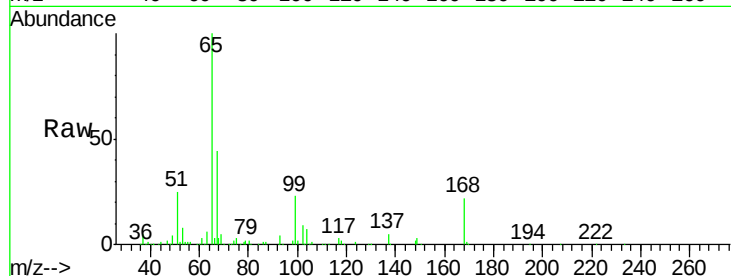
VSTDIC100

Tot Ion: 65 Resp: 365408

Ion Ratio Lower Upper

65 100

67 44.1 0.0 83.8



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 530

Delta R.T. 0.00 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

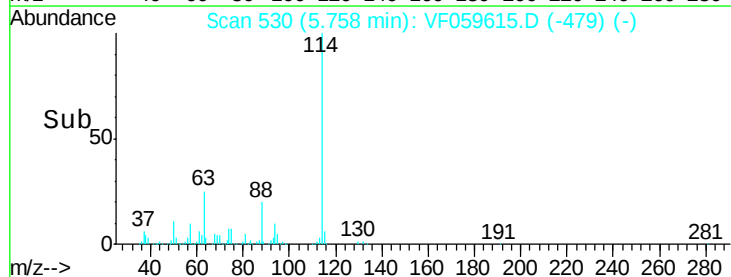
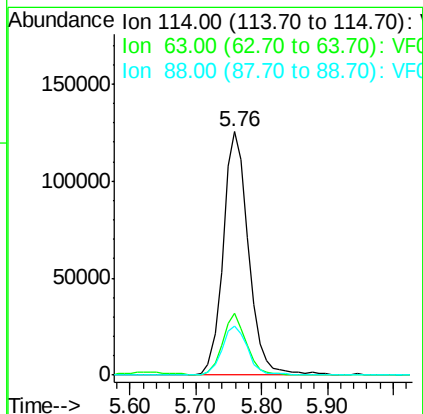
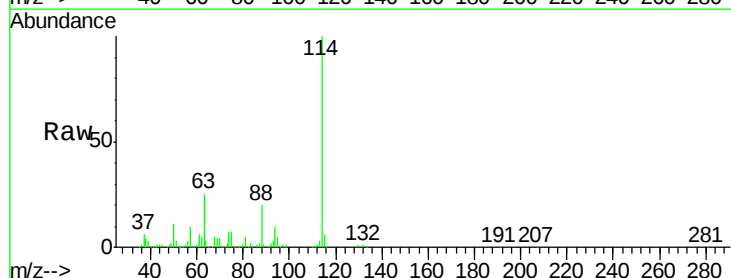
Tgt Ion: 114 Resp: 338098

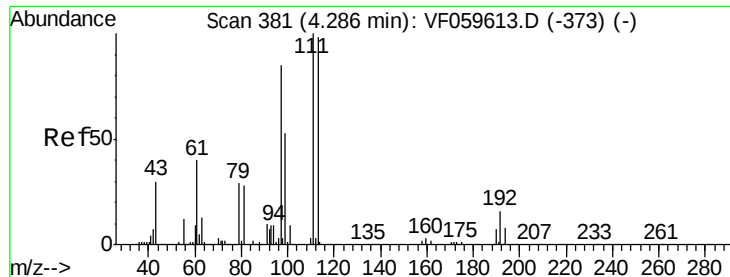
Ion Ratio Lower Upper

114 100

63 25.5 0.0 51.8

88 19.9 0.0 42.8





#35

Dibromofluoromethane

Concen: 98.78 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.00 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

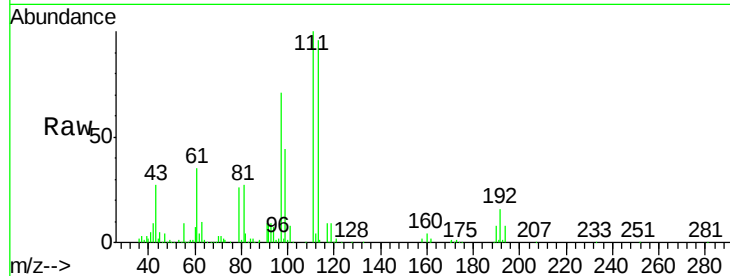
Tot Ion:113 Resp: 299545

Ion Ratio Lower Upper

113 100

111 104.4 81.5 122.3

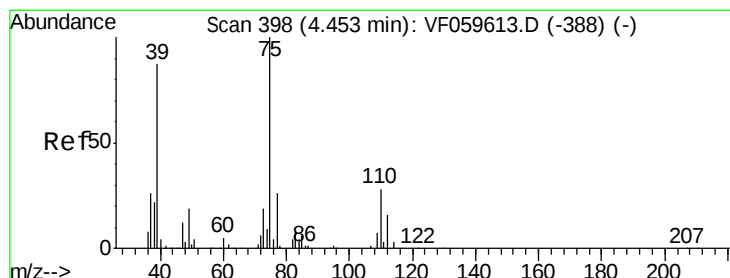
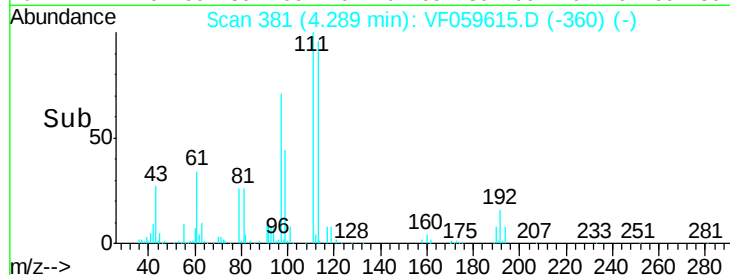
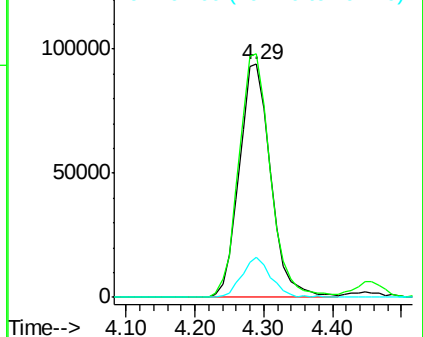
192 17.2 13.4 20.2



Abundance Ion 113.00 (112.70 to 113.70):

Ion 111.00 (110.70 to 111.70):

Ion 192.00 (191.70 to 192.70):



#36

1,1-Dichloropropene

Concen: 92.57 ug/l

RT: 4.45 min Scan# 397

Delta R.T. -0.01 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

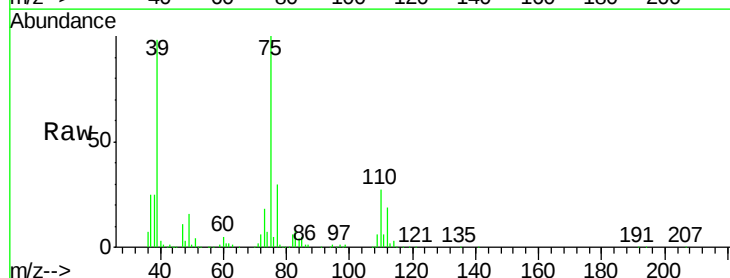
Tgt Ion: 75 Resp: 317510

Ion Ratio Lower Upper

75 100

110 26.8 14.2 42.6

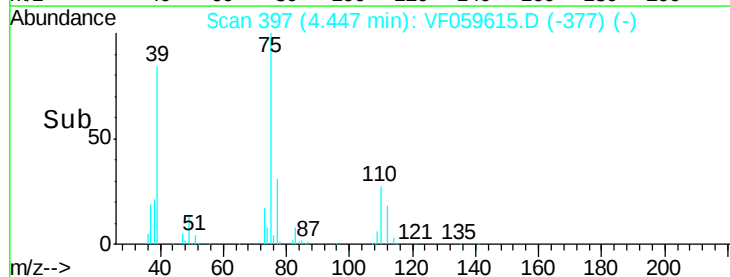
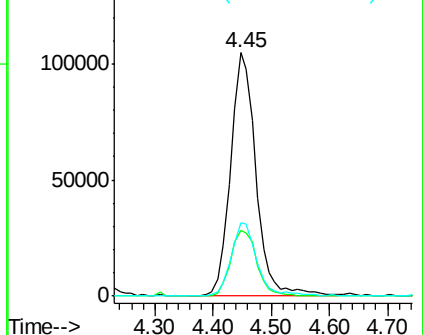
77 30.4 20.3 30.5

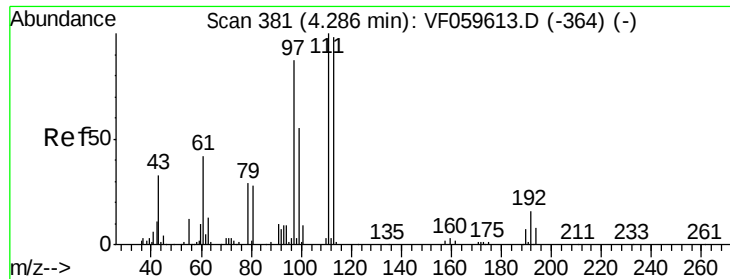


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70):

Ion 77.00 (76.70 to 77.70): VF0

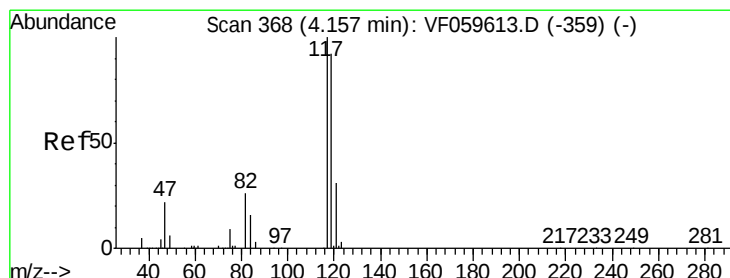
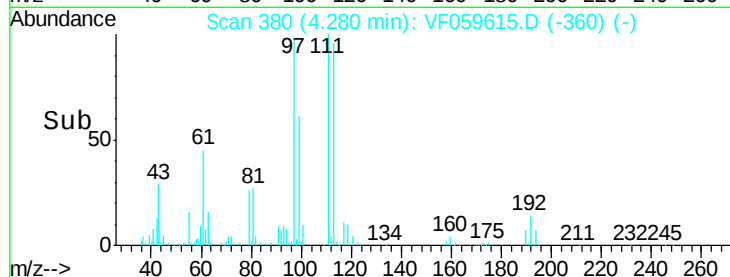
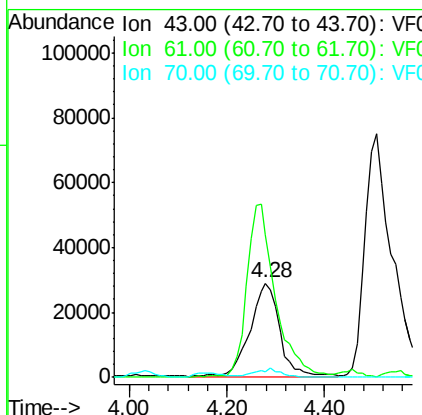
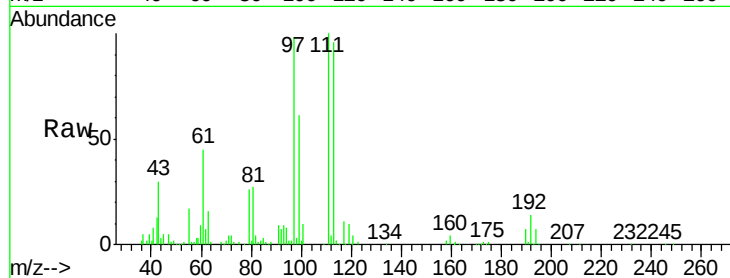




#37
Ethyl Acetate
Concen: 78.55 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

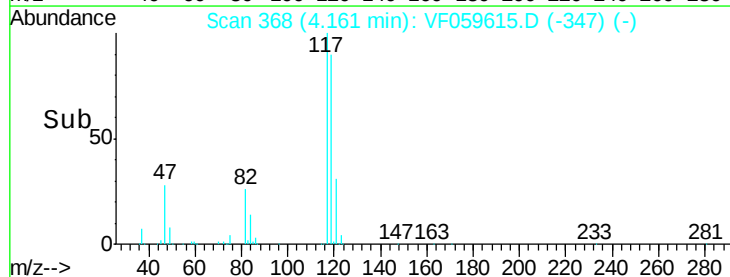
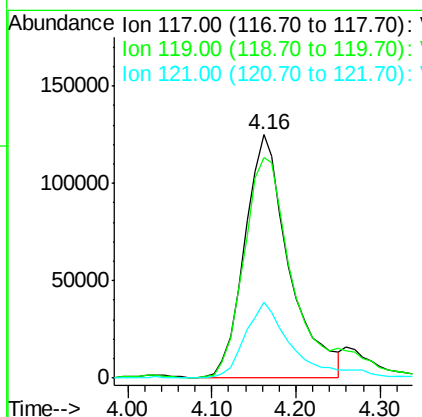
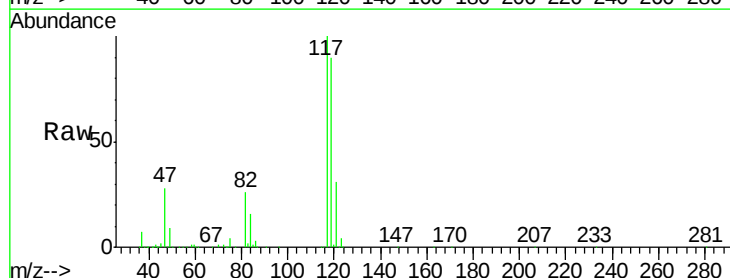
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

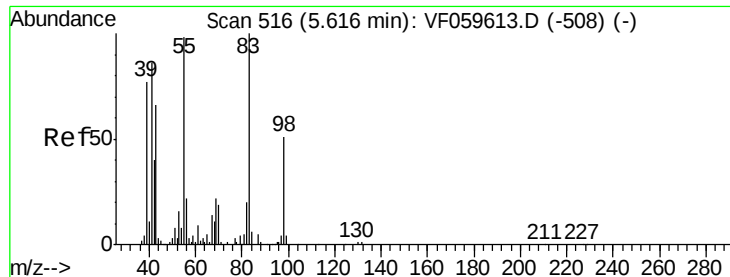
Tot Ion	43	61	70	Ratio	Lower	Upper
120260	100	151.2	6.3		101.9	152.9
					7.9	11.9#



#38
Carbon Tetrachloride
Concen: 91.74 ug/l
RT: 4.16 min Scan# 368
Delta R.T. 0.00 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

Tgt Ion	117	119	121	Ratio	Lower	Upper
460237	100	90.4	31.1		74.2	111.4
					24.7	37.1

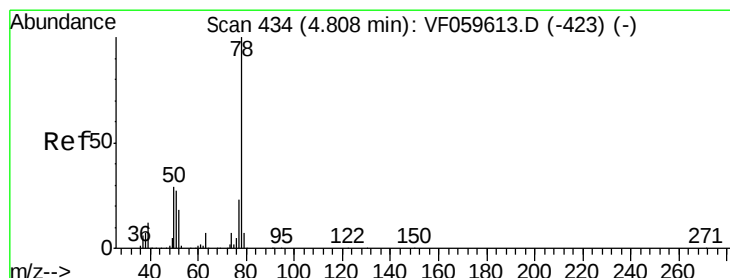
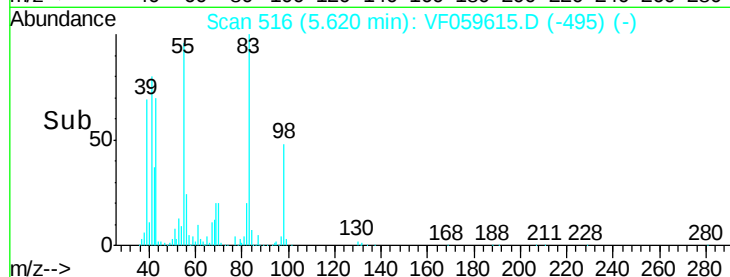
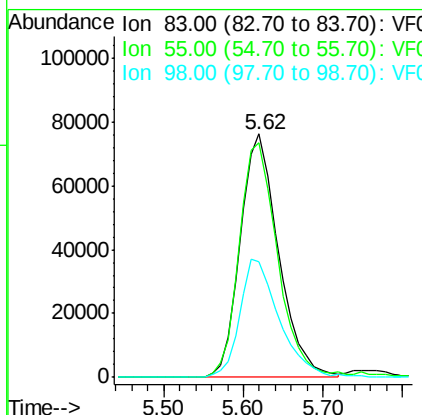
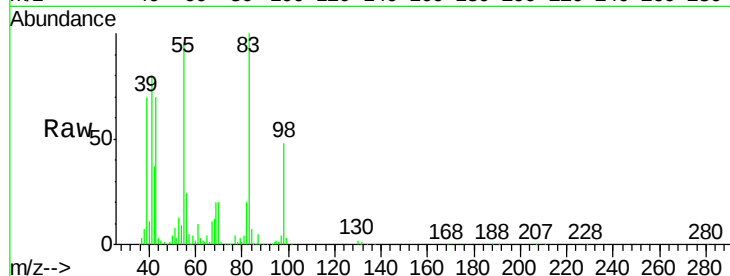




#39
Methvlcvclohexane
Concen: 93.12 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.00 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

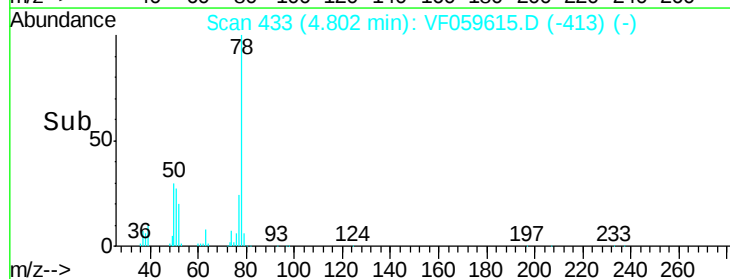
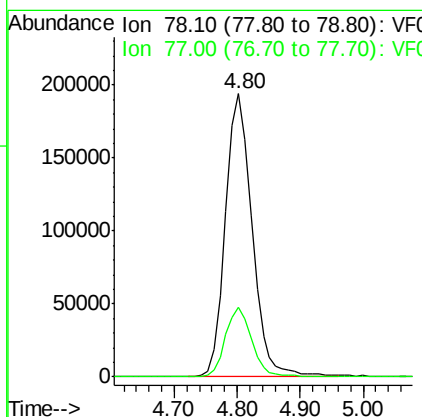
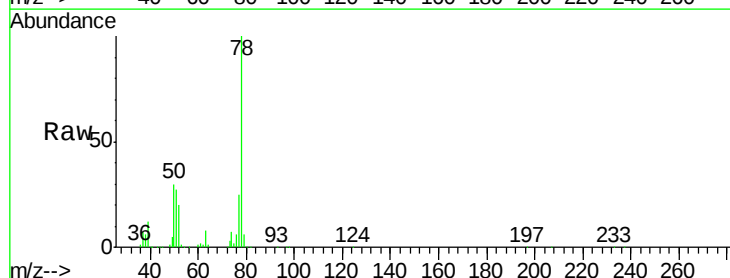
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

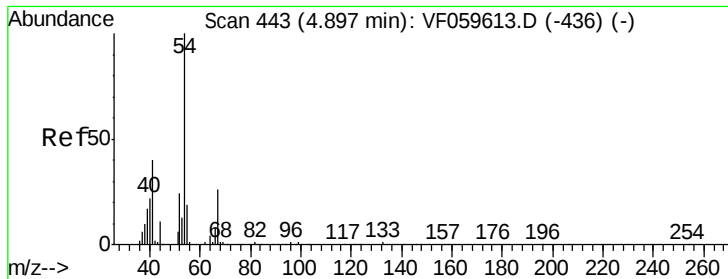
Tot Ion: 83 Resp: 253647
Ion Ratio Lower Upper
83 100
55 96.3 78.5 117.7
98 47.5 41.1 61.7



#40
Benzene
Concen: 89.91 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

Tgt Ion: 78 Resp: 570875
Ion Ratio Lower Upper
78 100
77 24.6 18.4 27.6





#41

Methacrylonitrile

Concen: 74.22 ug/l

RT: 4.92 min Scan# 445

Delta R.T. 0.02 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 41 Resp: 58668

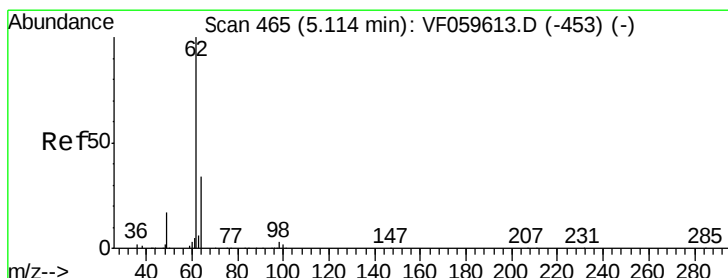
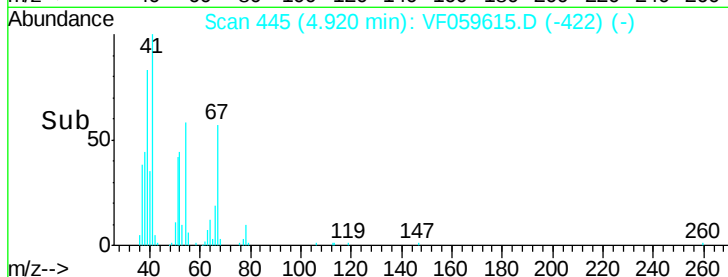
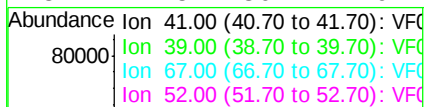
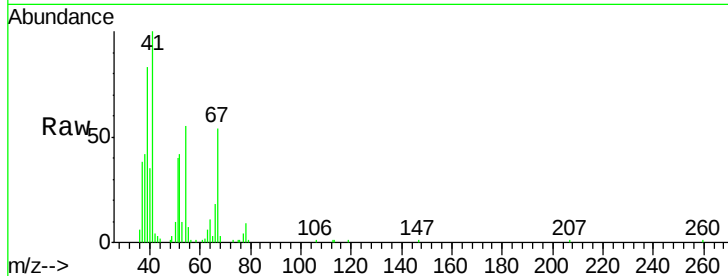
Ion Ratio Lower Upper

41 100

39 83.2 58.2 87.4

67 54.2 51.0 76.6

52 41.5 80.1 120.1#



#42

1,2-Dichloroethane

Concen: 87.05 ug/l

RT: 5.11 min Scan# 464

Delta R.T. -0.01 min

Lab File: VF059615.D

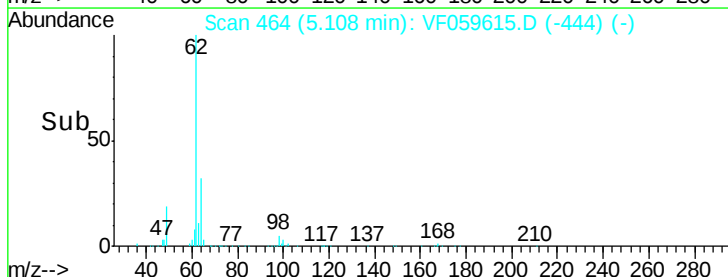
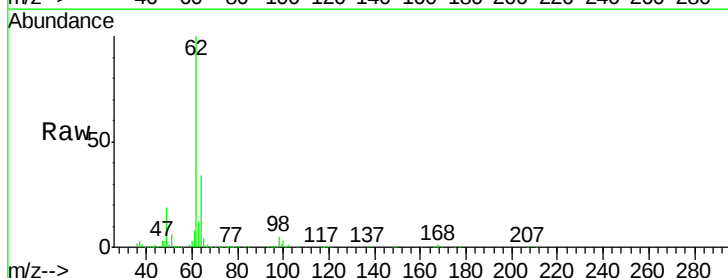
Acq: 23 Jul 2018 15:14

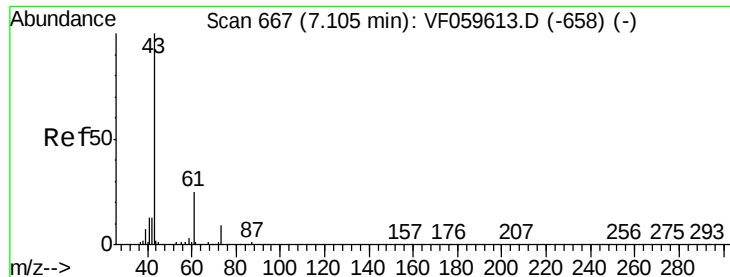
Tgt Ion: 62 Resp: 377156

Ion Ratio Lower Upper

62 100

98 4.9 0.0 8.4



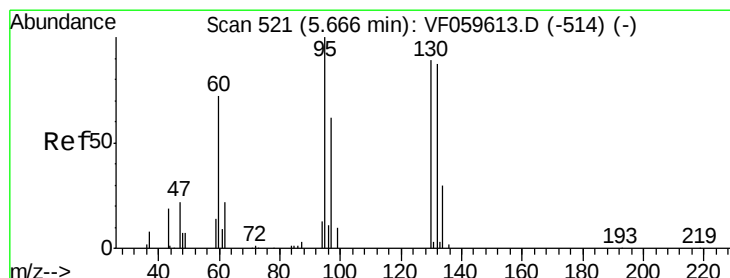
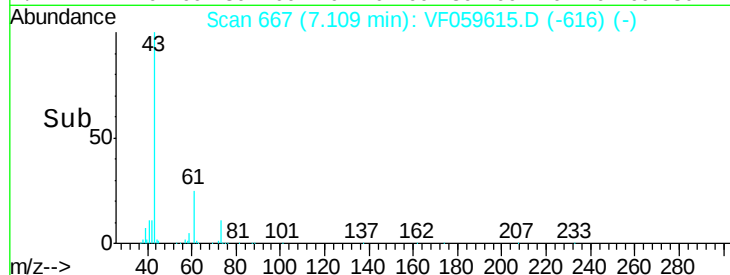
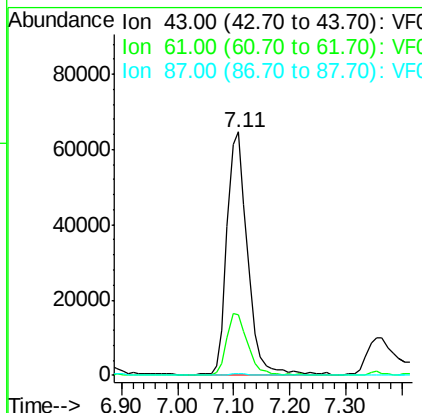
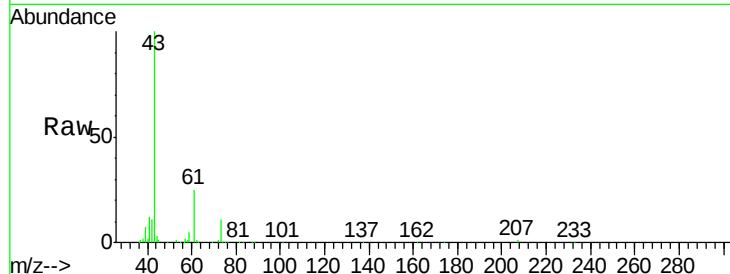


#43

Isopropyl Acetate
 Concen: 83.00 ug/l
 RT: 7.11 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VF059615.D
 Acq: 23 Jul 2018 15:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

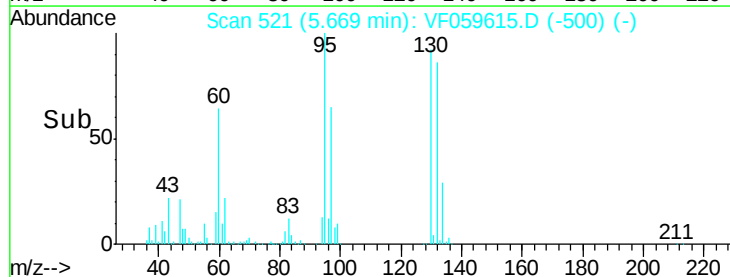
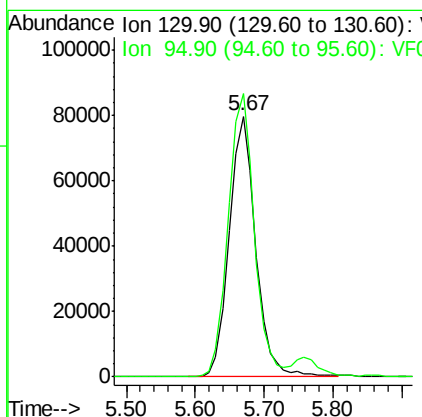
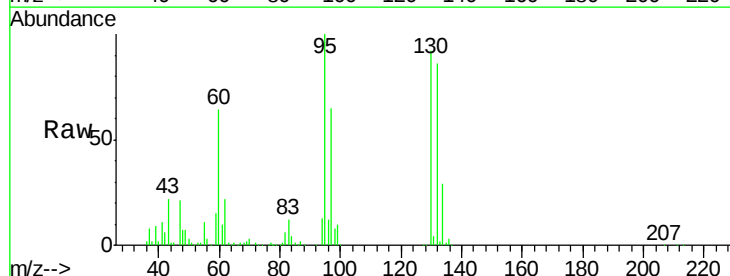
Tot Ion: 43 Resp: 164612
 Ion Ratio Lower Upper
 43 100
 61 25.1 20.1 30.1
 87 0.5 0.5 0.7#

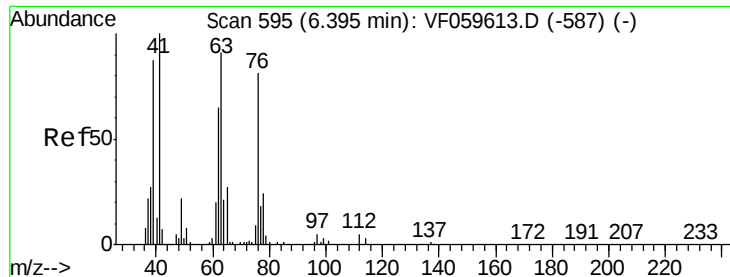


#44

Trichloroethene
 Concen: 87.24 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. 0.00 min
 Lab File: VF059615.D
 Acq: 23 Jul 2018 15:14

Tgt Ion: 130 Resp: 211837
 Ion Ratio Lower Upper
 130 100
 95 108.6 0.0 226.4





#45

1,2-Dichloropropane

Concen: 90.70 ug/l

RT: 6.40 min Scan# 595

Delta R.T. 0.00 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Instrument :

MSVOA_F

ClientSampleId :

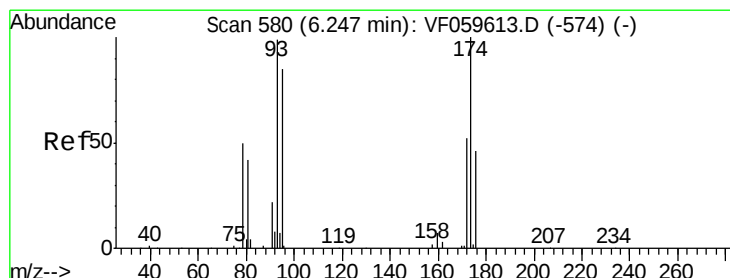
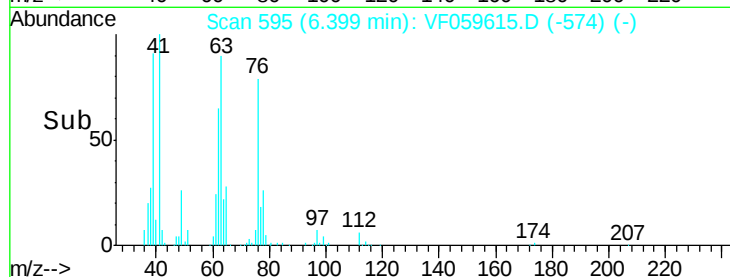
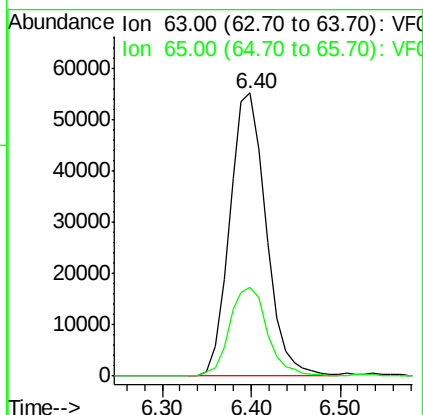
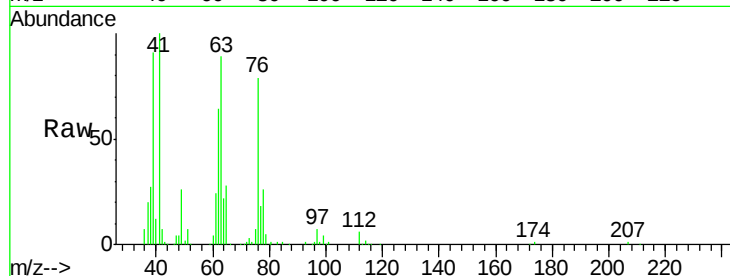
VSTDIC100

Tot Ion: 63 Resp: 157452

Ion Ratio Lower Upper

63 100

65 31.2 23.4 35.0



#46

Dibromomethane

Concen: 86.88 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

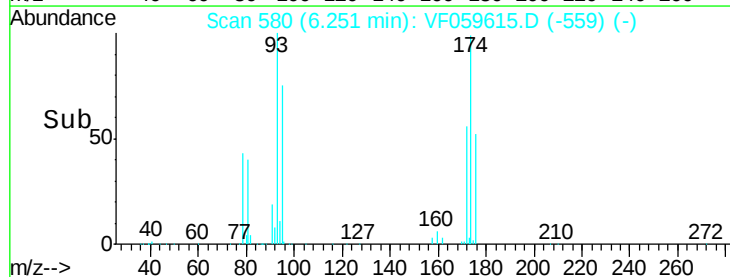
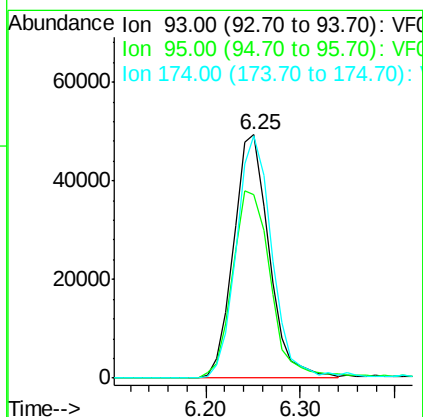
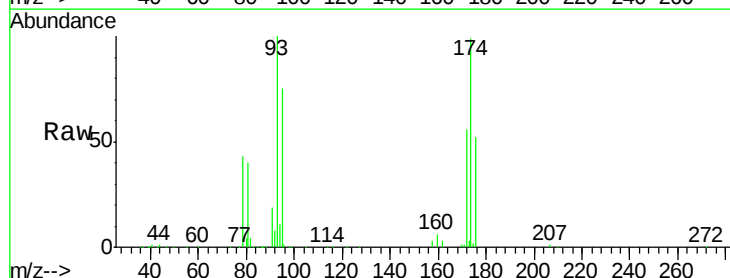
Tgt Ion: 93 Resp: 128835

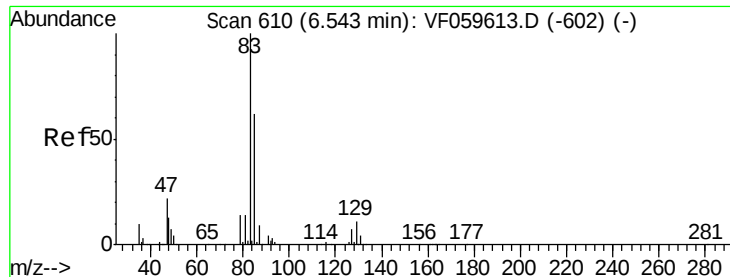
Ion Ratio Lower Upper

93 100

95 75.4 68.6 102.8

174 101.4 80.8 121.2





#47

Bromodichloromethane

Concen: 88.29 ug/l

RT: 6.54 min Scan# 609

Delta R.T. -0.01 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

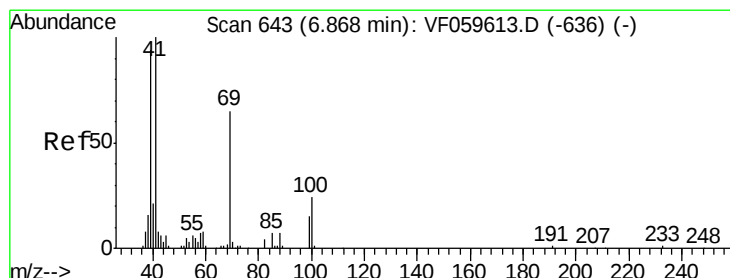
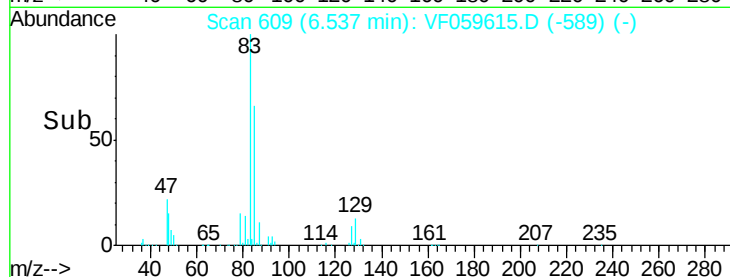
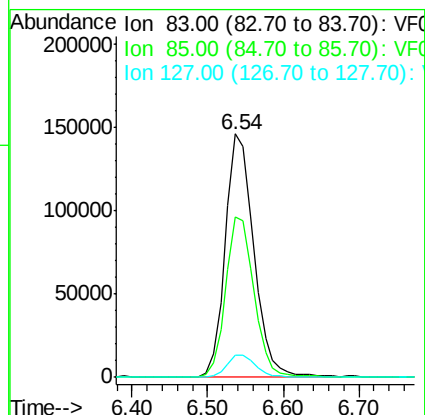
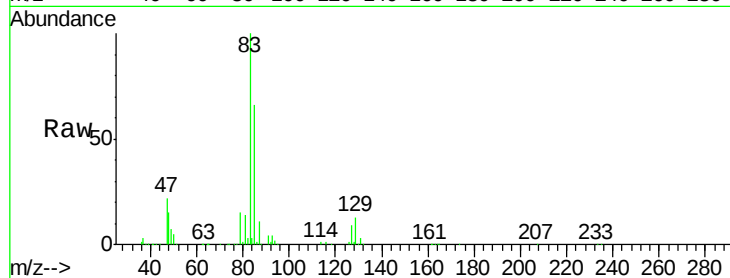
Tot Ion: 83 Resp: 382597

Ion Ratio Lower Upper

83 100

85 65.8 49.4 74.0

127 9.2 5.9 8.9#



#48

Methyl methacrylate

Concen: 85.21 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.00 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

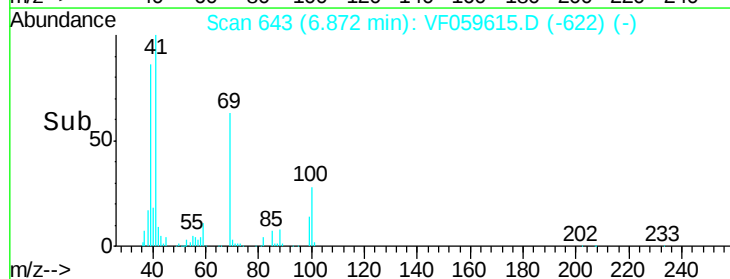
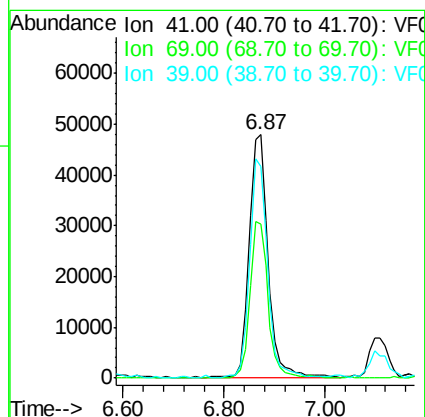
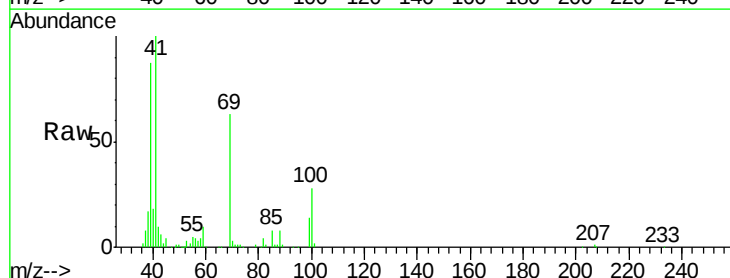
Tgt Ion: 41 Resp: 125955

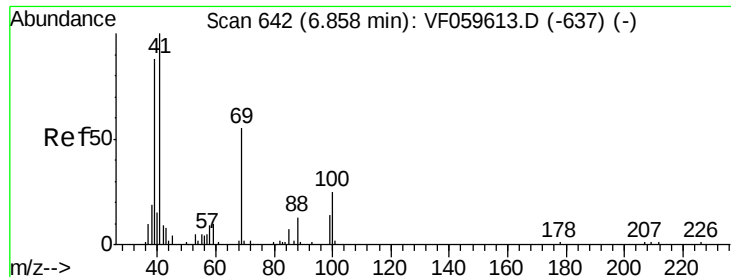
Ion Ratio Lower Upper

41 100

69 63.0 51.6 77.4

39 86.8 76.3 114.5

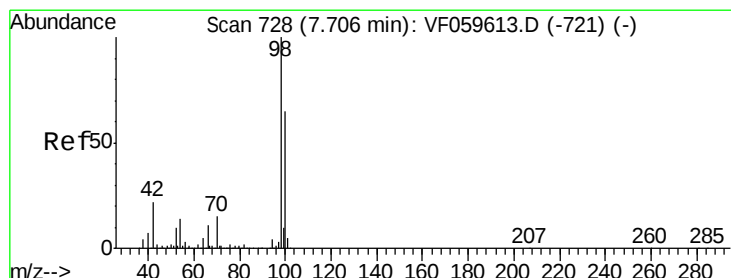
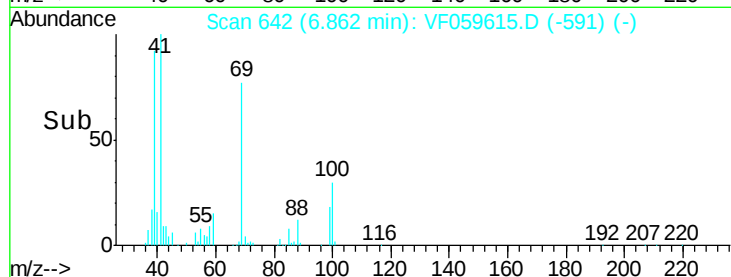
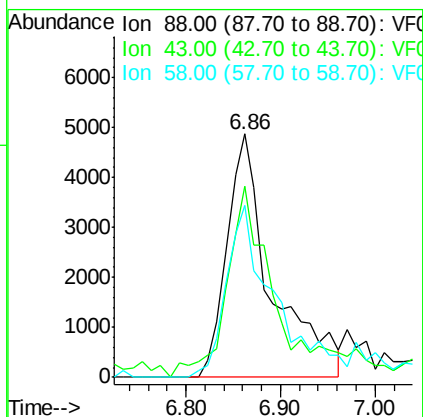
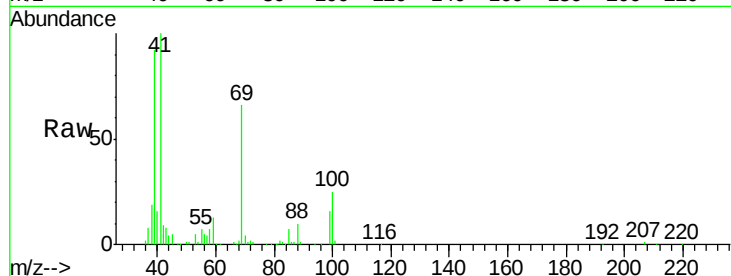




#49
1,4-Dioxane
Concen: 1906.24 ug/l
RT: 6.86 min Scan# 642
Delta R.T. 0.00 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

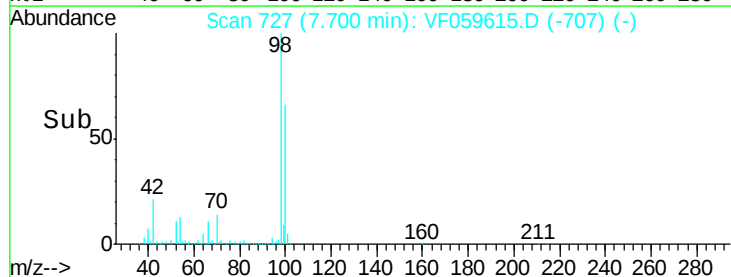
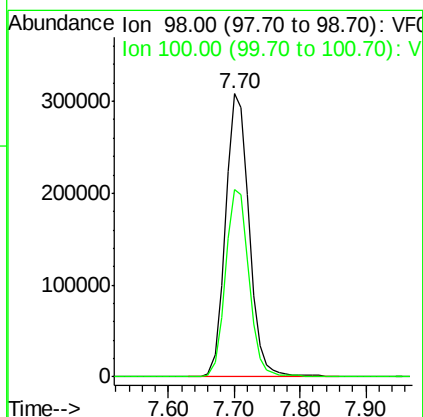
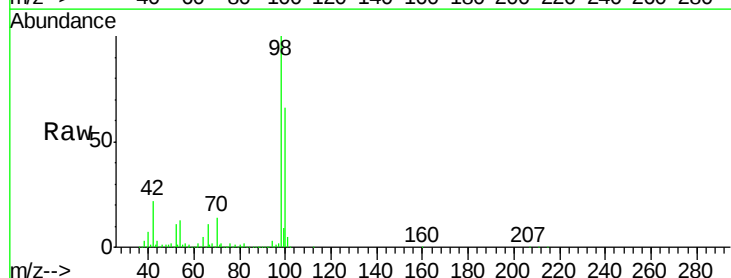
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

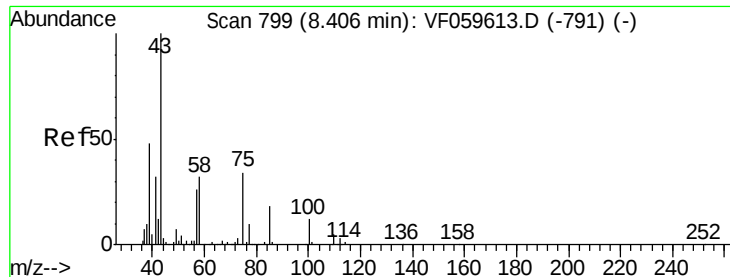
Tot Ion	88	Resp	15968
Ion Ratio	Lower	Upper	
88	100		
43	78.4	54.2	81.4
58	70.5	54.3	81.5



#50
Toluene-d8
Concen: 104.17 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.01 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

Tgt Ion	98	Resp	775375
Ion Ratio	Lower	Upper	
98	100		
100	66.4	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 410.43 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Instrument :

MSVOA_F

ClientSampleId :

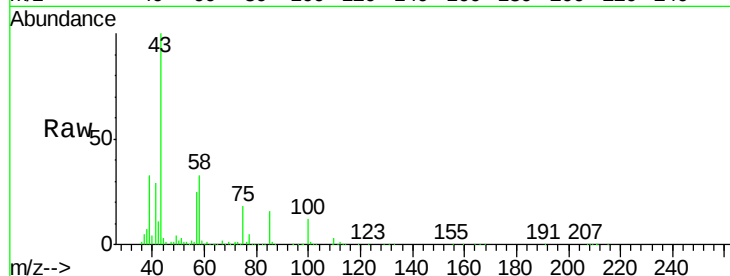
VSTDIC100

Tot Ion: 43 Resp: 568769

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

250000

200000

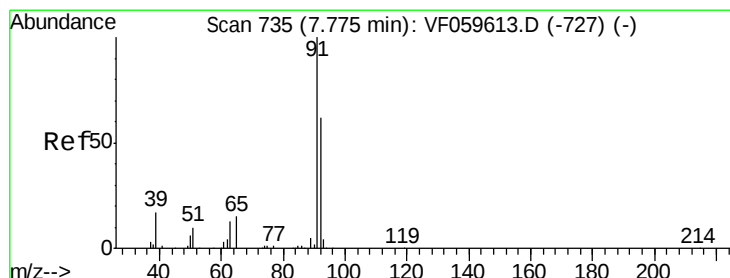
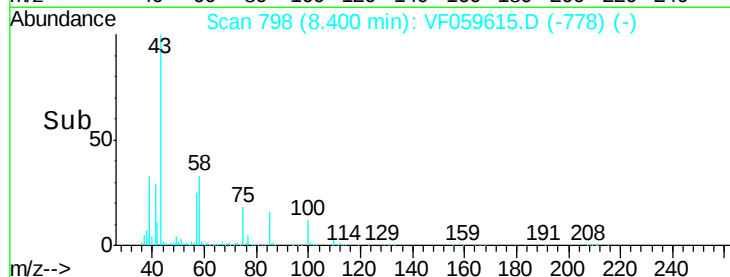
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 84.99 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059615.D

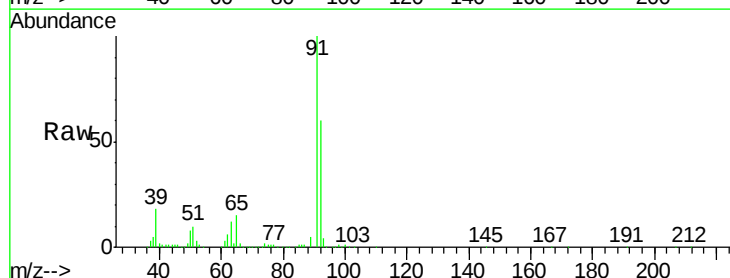
Acq: 23 Jul 2018 15:14

Tgt Ion: 92 Resp: 408992

Ion Ratio Lower Upper

92 100

91 167.5 129.8 194.8



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

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

7.78

300000

250000

200000

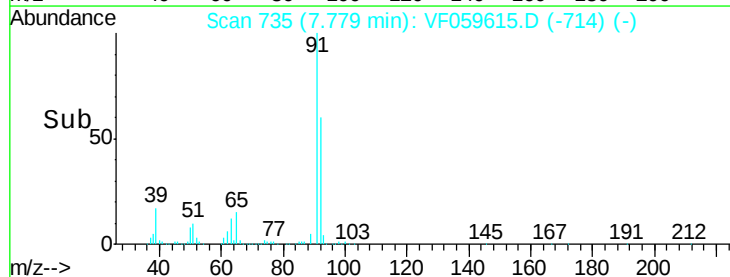
150000

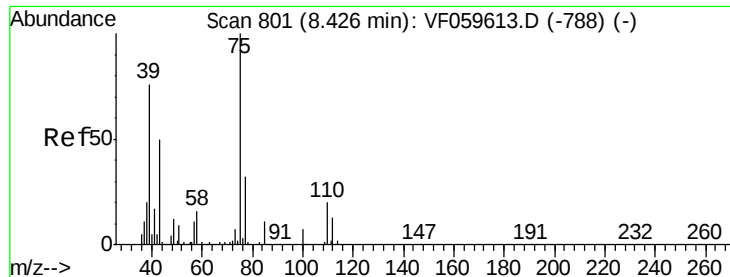
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 91.14 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Instrument :

MSVOA_F

ClientSampleId :

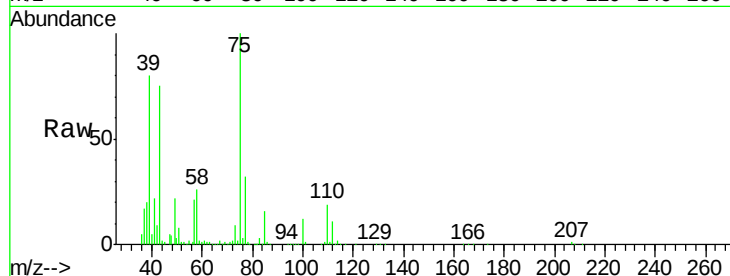
VSTDIC100

Tot Ion: 75 Resp: 334767

Ion Ratio Lower Upper

75 100

77 31.8 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VF059613.D (-788) (-)

Ion 77.00 (76.70 to 77.70): VF059613.D (-788) (-)

8.42

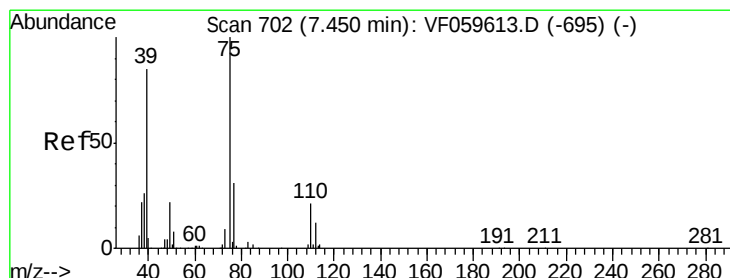
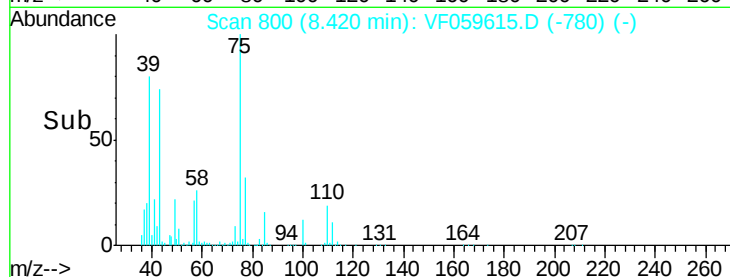
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 92.92 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

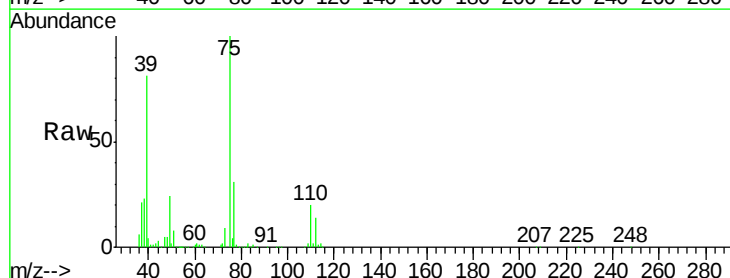
Tgt Ion: 75 Resp: 341789

Ion Ratio Lower Upper

75 100

77 31.0 24.6 37.0

39 81.4 67.8 101.6



Abundance Ion 75.00 (74.70 to 75.70): VF059613.D (-695) (-)

Ion 77.00 (76.70 to 77.70): VF059613.D (-695) (-)

Ion 39.00 (38.70 to 39.70): VF059613.D (-695) (-)

7.45

200000

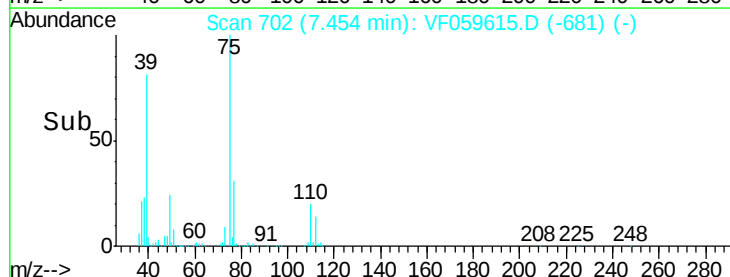
150000

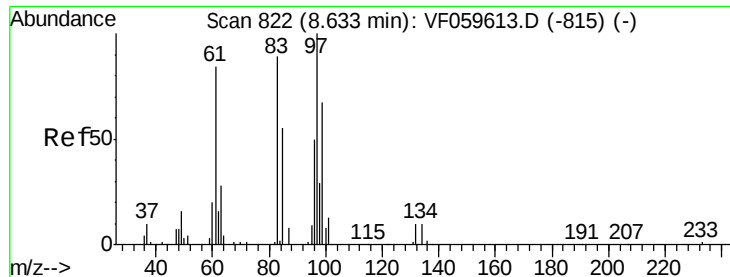
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 88.42 ug/l

RT: 8.64 min Scan# 822

Delta R.T. 0.00 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 97 Resp: 150695

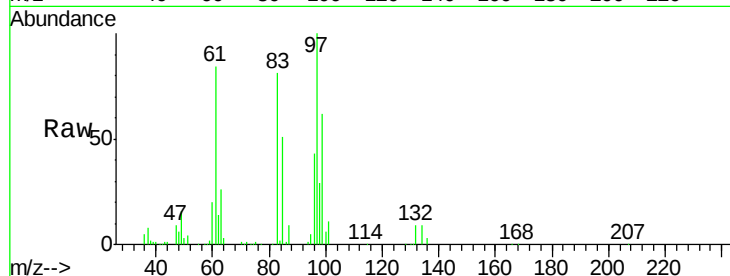
Ion Ratio Lower Upper

97 100

83 80.9 71.8 107.6

85 51.4 43.9 65.9

99 61.7 53.5 80.3

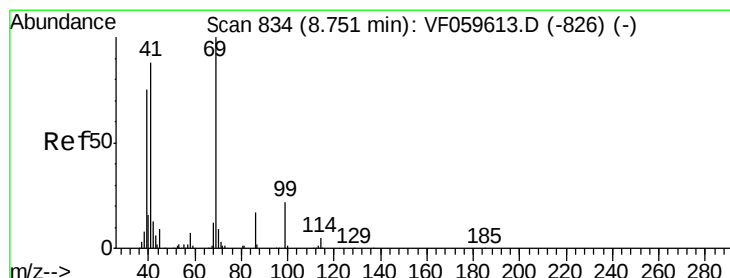
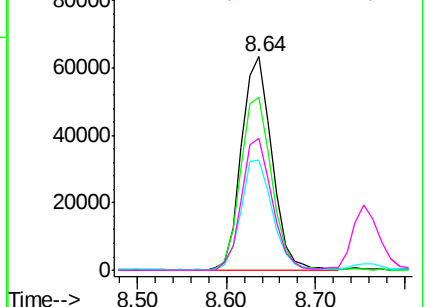
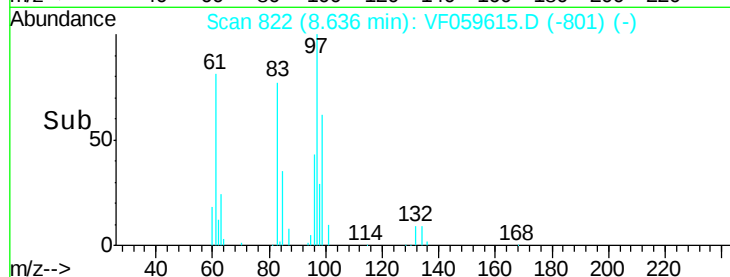


Abundance Ion 97.00 (96.70 to 97.70): VF059615.D (-801) (-)

Ion 82.95 (82.65 to 83.65): VF059615.D (-801) (-)

Ion 84.95 (84.65 to 85.65): VF059615.D (-801) (-)

Ion 98.95 (98.65 to 99.65): VF059615.D (-801) (-)



#56

Ethyl methacrylate

Concen: 89.14 ug/l

RT: 8.75 min Scan# 834

Delta R.T. 0.00 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

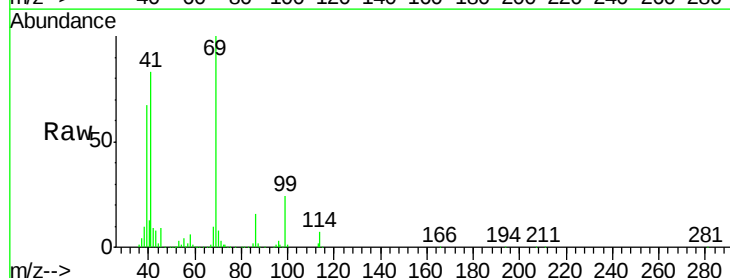
Tgt Ion: 69 Resp: 174924

Ion Ratio Lower Upper

69 100

41 83.2 70.8 106.2

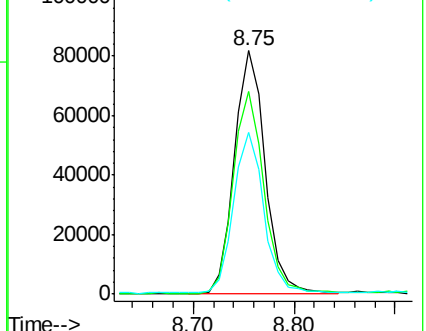
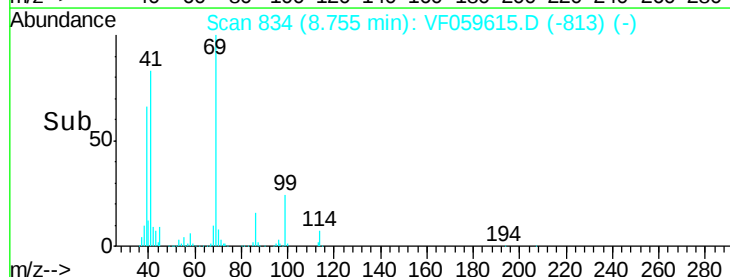
39 66.5 60.7 91.1

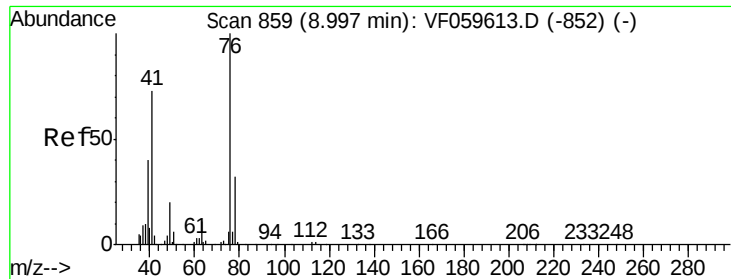


Abundance Ion 69.00 (68.70 to 69.70): VF059615.D (-813) (-)

Ion 41.00 (40.70 to 41.70): VF059615.D (-813) (-)

Ion 39.00 (38.70 to 39.70): VF059615.D (-813) (-)





#57

1,3-Dichloropropane

Concen: 84.91 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.01 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Instrument :

MSVOA_F

ClientSampleId :

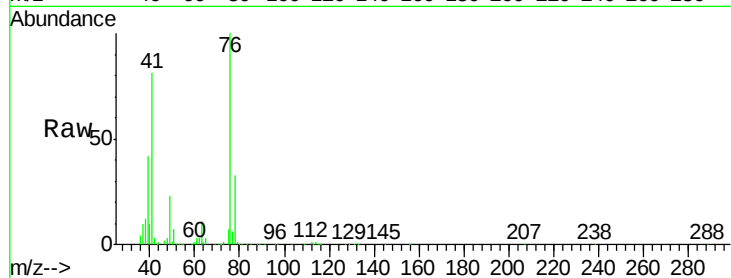
VSTDIC100

Tot Ion: 76 Resp: 252964

Ion Ratio Lower Upper

76 100

78 33.1 25.3 37.9



Abundance Ion 76.00 (75.70 to 76.70): VF059613.D (-852) (-)

Ion 78.00 (77.70 to 78.70): VF059613.D (-852) (-)

8.99

120000

100000

80000

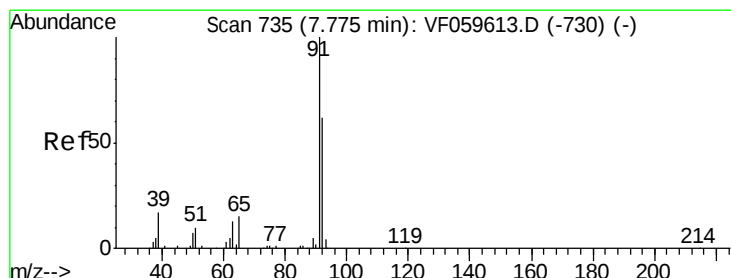
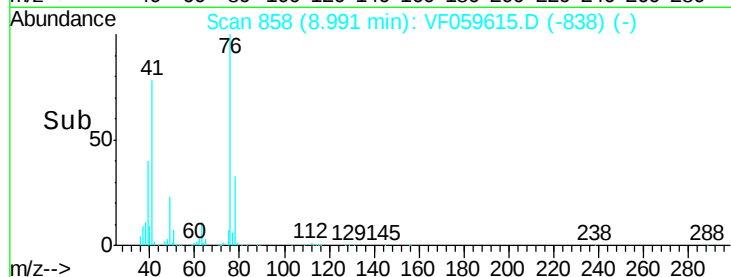
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 423.04 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF059615.D

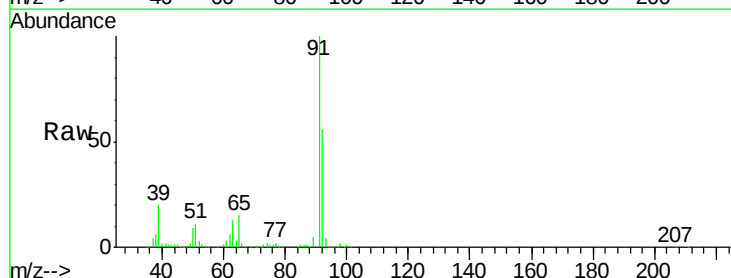
Acq: 23 Jul 2018 15:14

Tgt Ion: 63 Resp: 88019

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF059613.D (-730) (-)

Ion 106.00 (105.70 to 106.70): VF059613.D (-730) (-)

7.77

40000

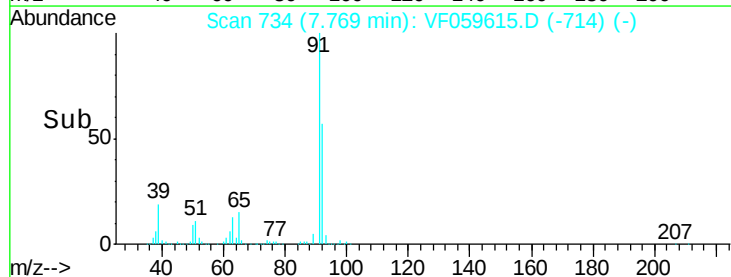
30000

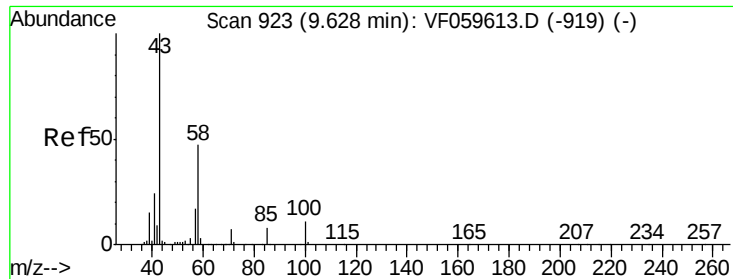
20000

10000

0

Time-->

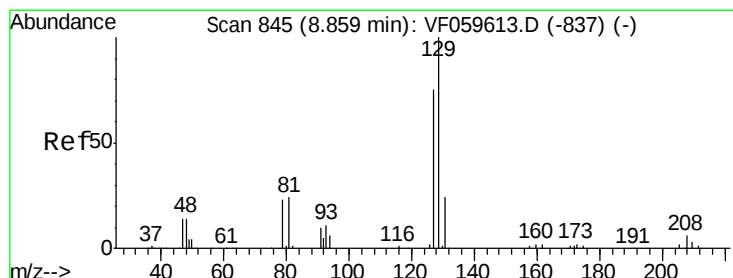
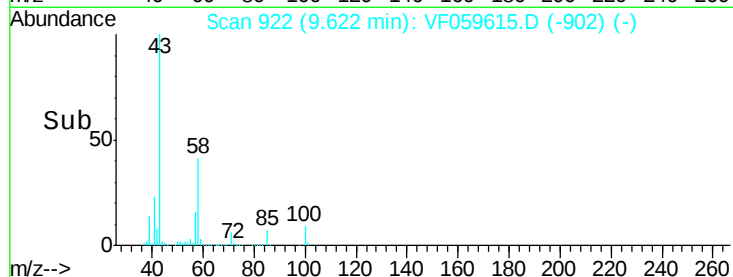
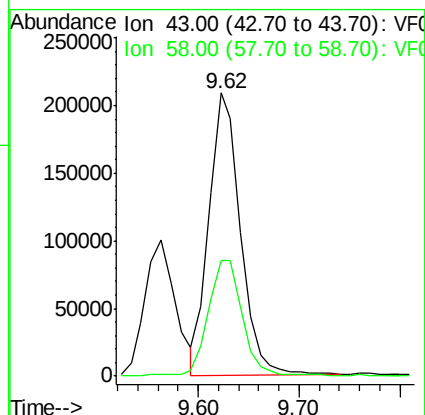
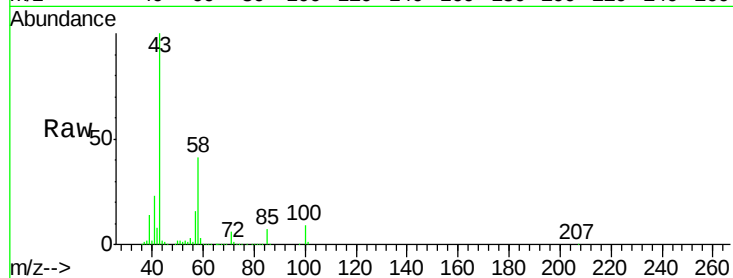




#59
2-Hexanone
Concen: 402.91 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

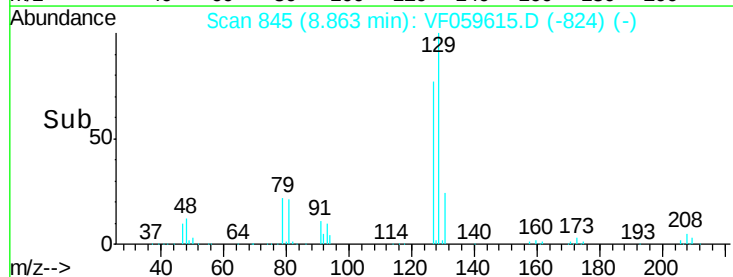
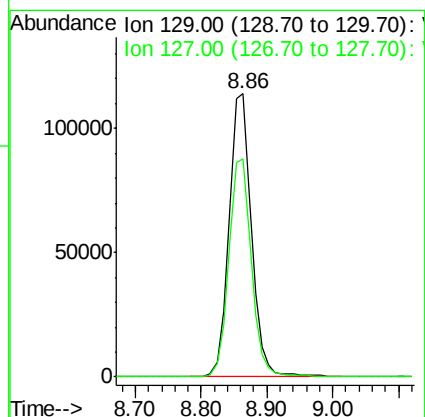
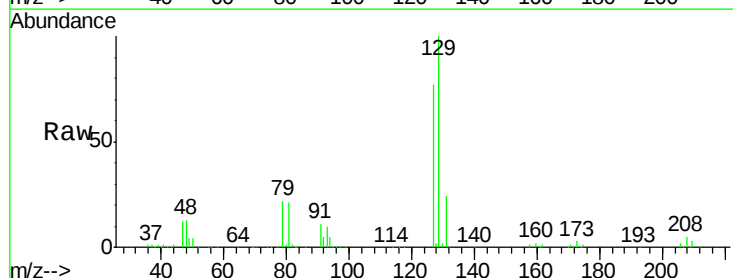
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

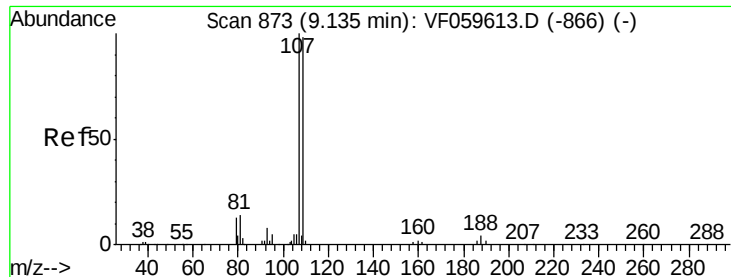
Tot Ion: 43 Resp: 451736
Ion Ratio Lower Upper
43 100
58 41.0 21.1 63.4



#60
Dibromochloromethane
Concen: 91.45 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

Tgt Ion: 129 Resp: 272667
Ion Ratio Lower Upper
129 100
127 76.9 37.5 112.7





#61

1,2-Dibromoethane

Concen: 90.22 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Instrument :

MSVOA_F

ClientSampleId :

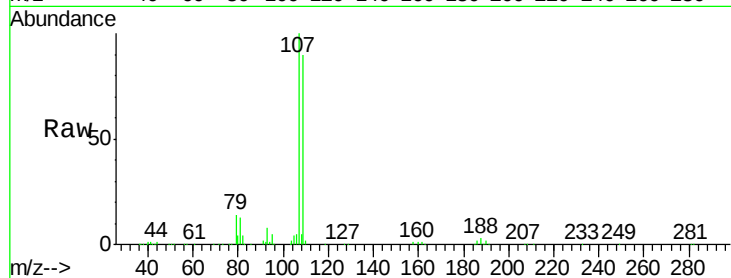
VSTDIC100

Tot Ion:107 Resp: 180731

Ion Ratio Lower Upper

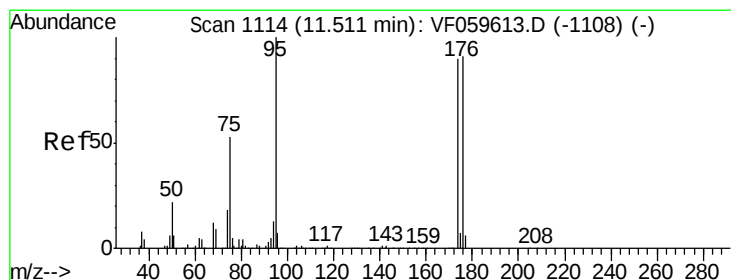
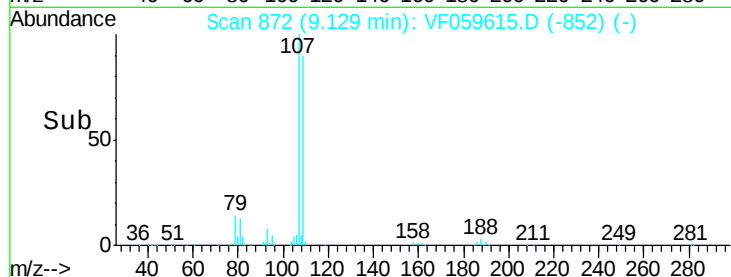
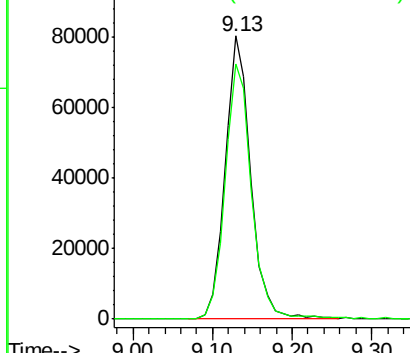
107 100

109 90.2 78.2 117.4



Abundance Ion 107.00 (106.70 to 107.70):

Ion 109.00 (108.70 to 109.70):



#62

4-Bromofluorobenzene

Concen: 93.76 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

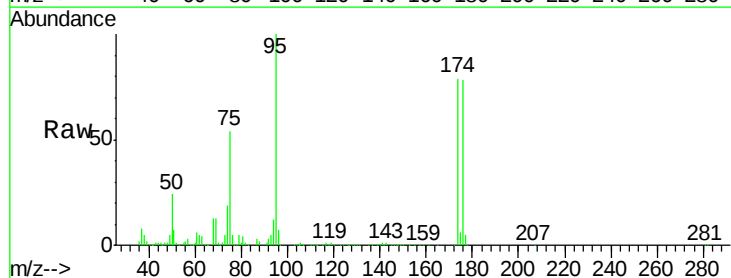
Tgt Ion: 95 Resp: 402047

Ion Ratio Lower Upper

95 100

174 79.5 0.0 180.6

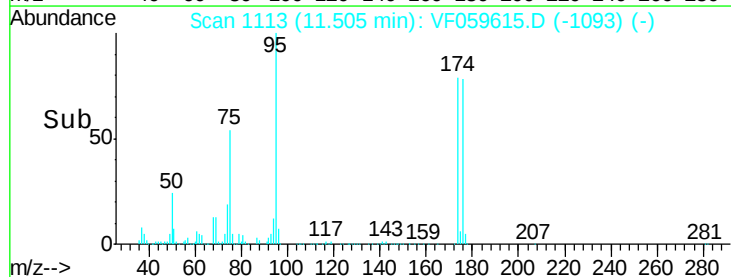
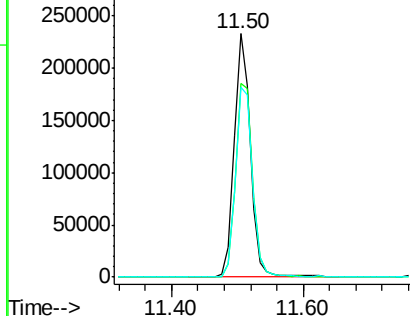
176 77.9 0.0 182.4

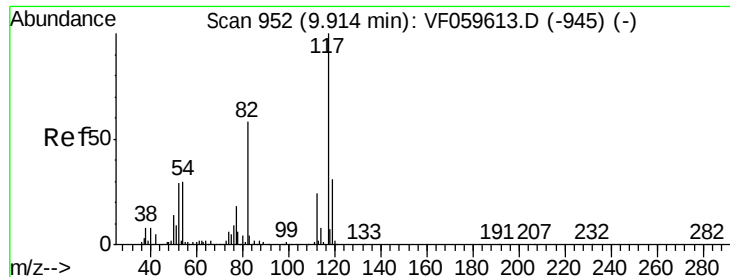


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70):

Ion 176.00 (175.70 to 176.70):

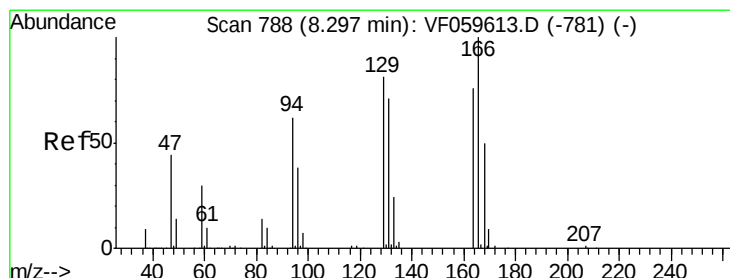
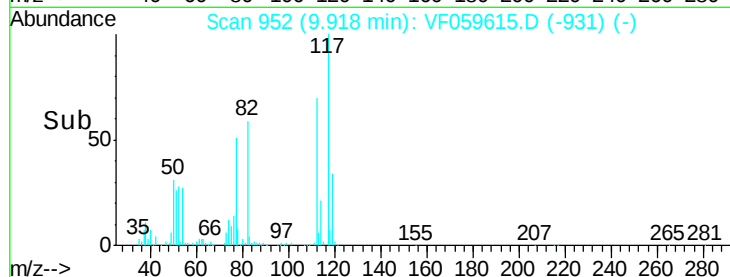
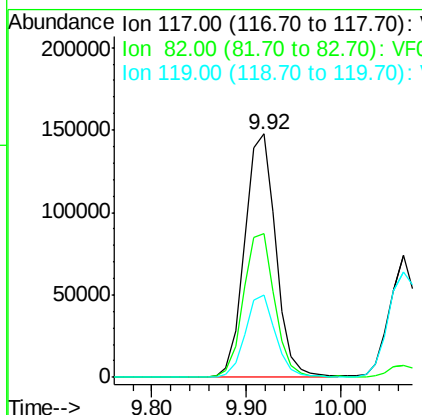
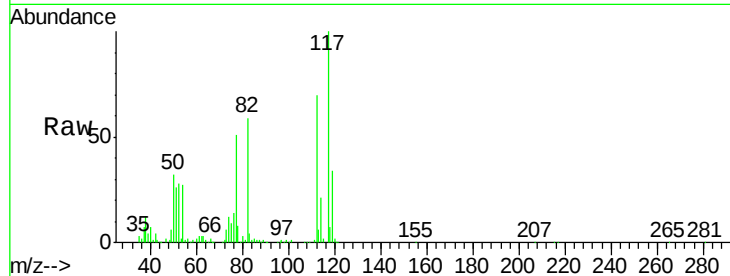




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

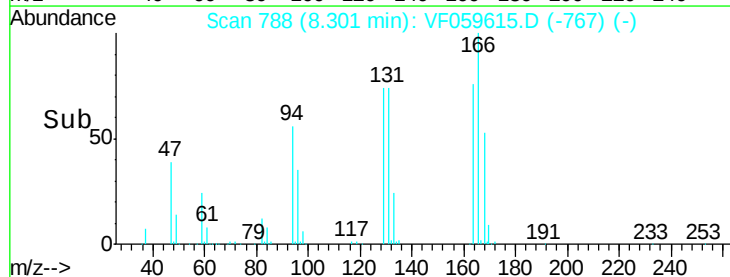
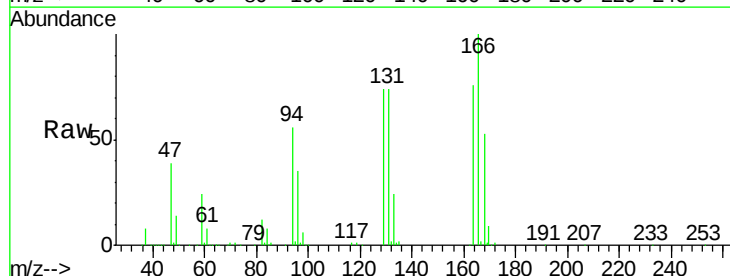
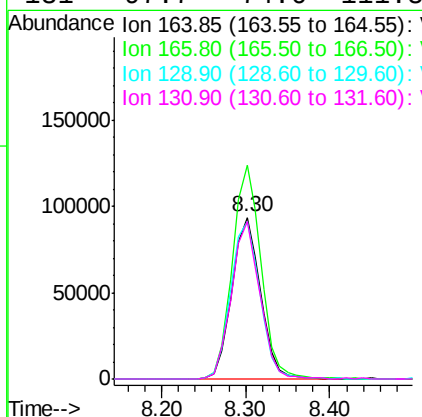
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

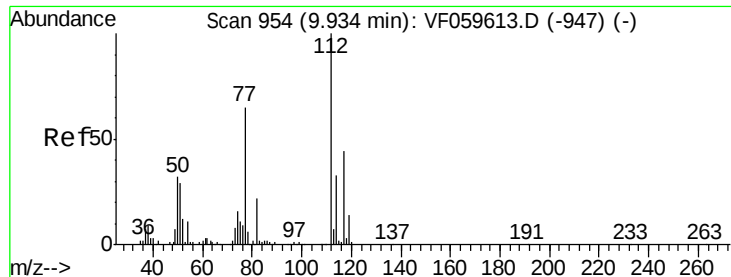
Tot Ion	Ratio	Lower	Upper
117	100		
82	59.2	46.5	69.7
119	33.8	24.4	36.6



#64
Tetrachloroethene
Concen: 87.18 ug/l
RT: 8.30 min Scan# 788
Delta R.T. 0.00 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.4	104.8	157.2
129	97.8	85.3	127.9
131	97.7	74.6	111.8

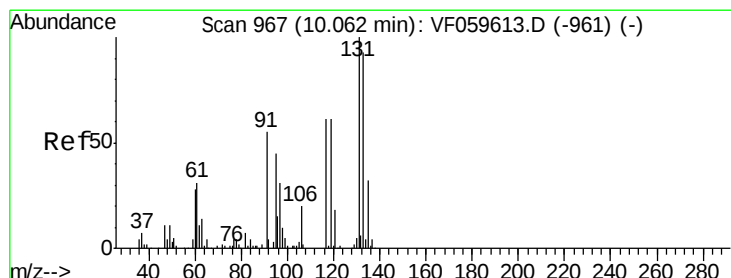
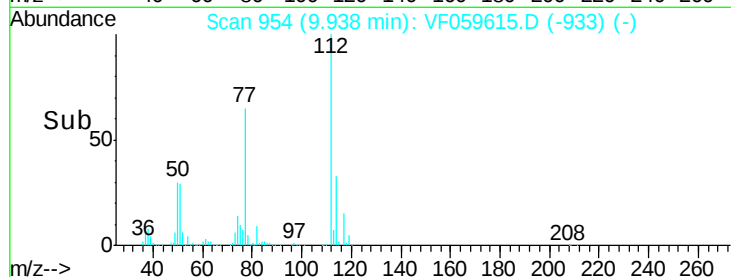
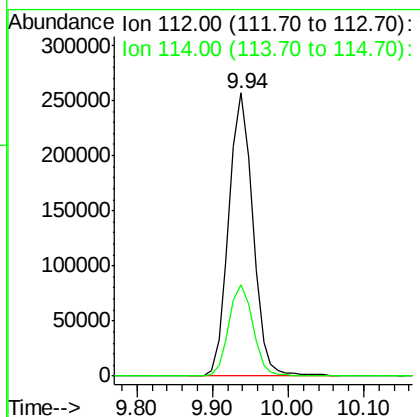
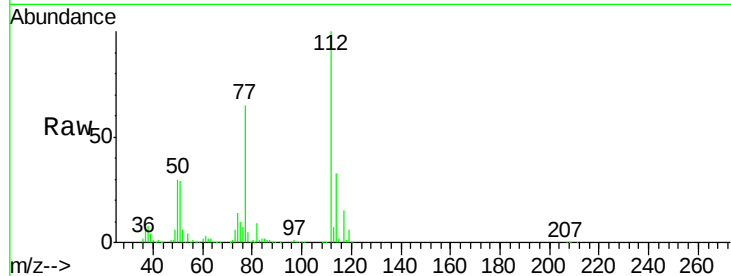




#65
Chlorobenzene
Concen: 89.71 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

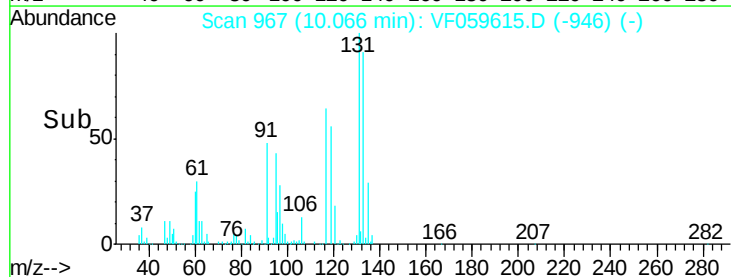
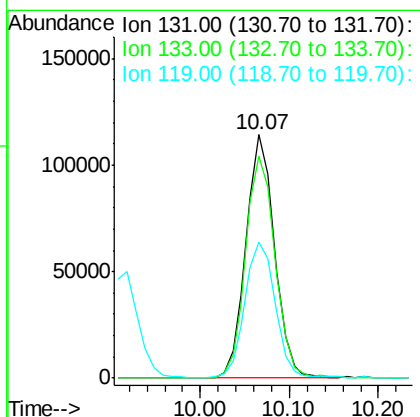
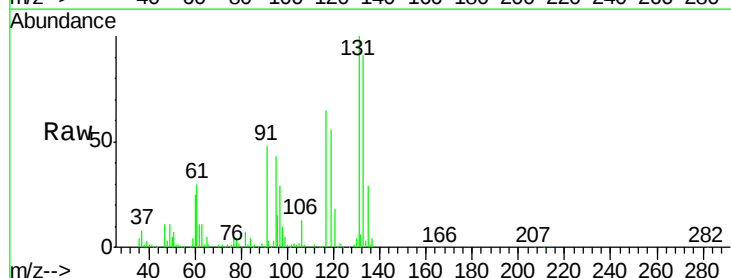
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

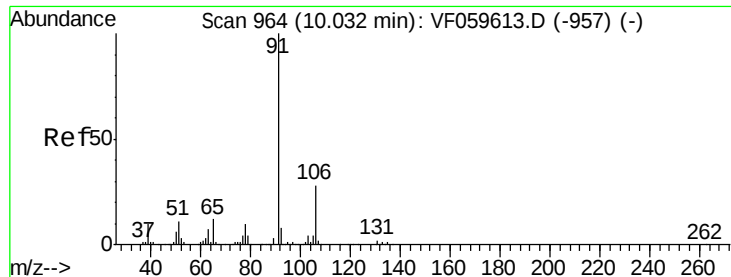
Tot Ion:112 Resp: 569305
Ion Ratio Lower Upper
112 100
114 32.5 26.8 40.2



#66
1,1,1,2-Tetrachloroethane
Concen: 88.02 ug/l
RT: 10.07 min Scan# 967
Delta R.T. 0.00 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

Tgt Ion:131 Resp: 253190
Ion Ratio Lower Upper
131 100
133 91.3 46.4 139.2
119 56.1 30.6 91.8

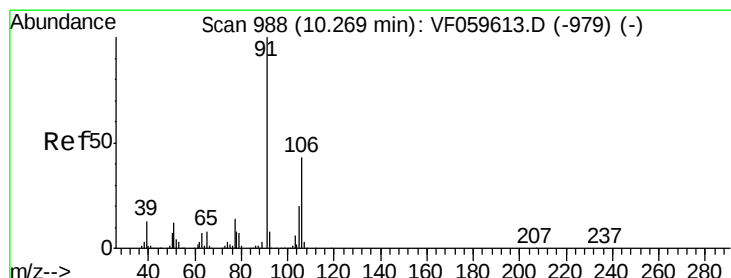
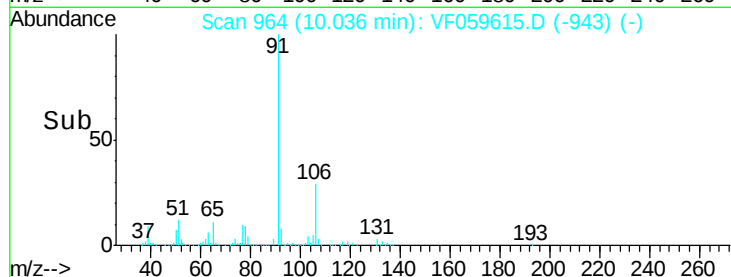
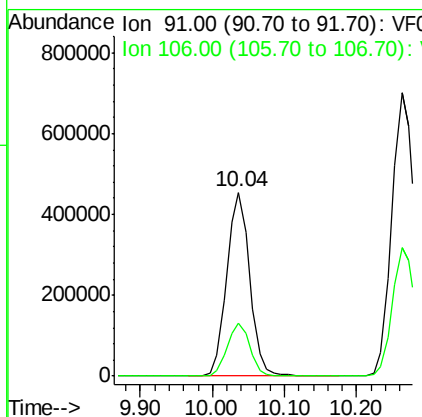
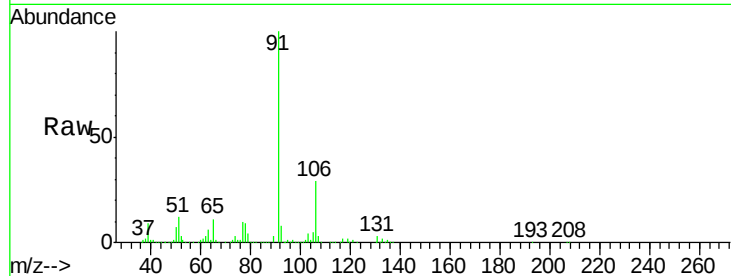




#67
Ethyl Benzene
Concen: 89.08 ug/l
RT: 10.04 min Scan# 964
Delta R.T. 0.00 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

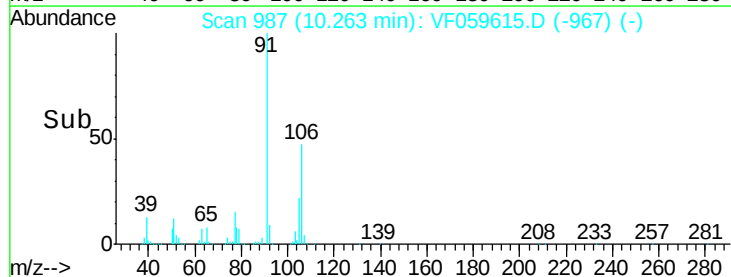
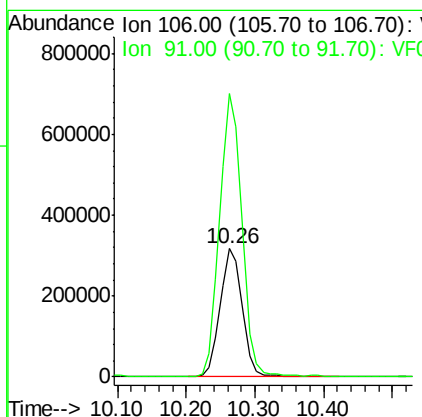
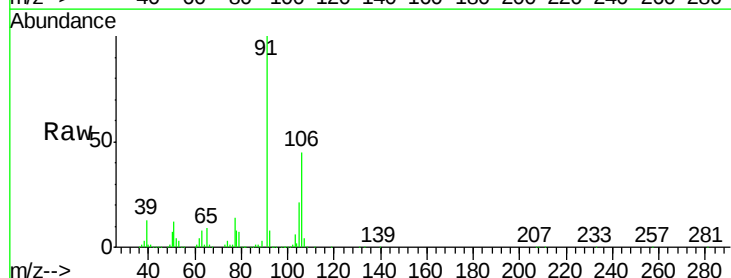
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

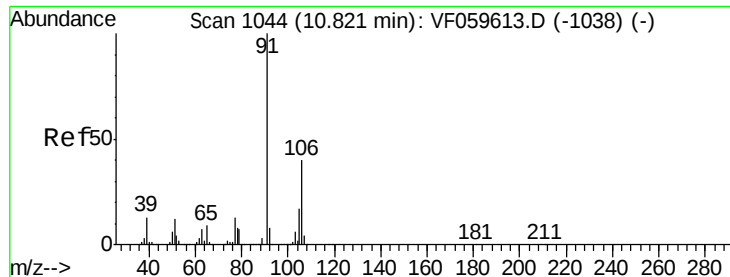
Tot Ion: 91 Resp: 1008482
Ion Ratio Lower Upper
91 100
106 28.9 22.5 33.7



#68
m/p-Xylenes
Concen: 181.82 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

Tgt Ion: 106 Resp: 703497
Ion Ratio Lower Upper
106 100
91 221.1 187.0 280.4

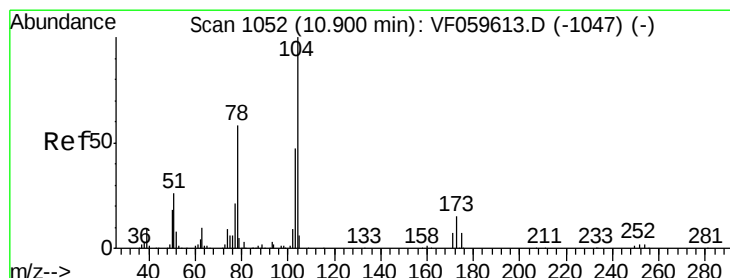
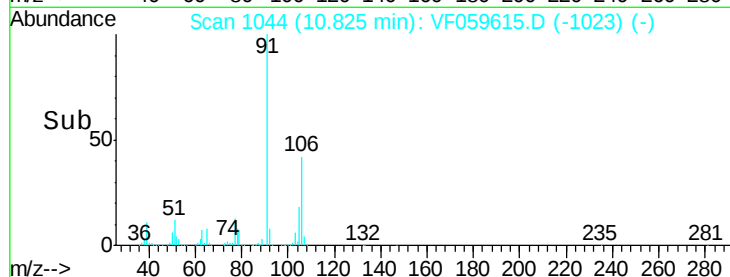
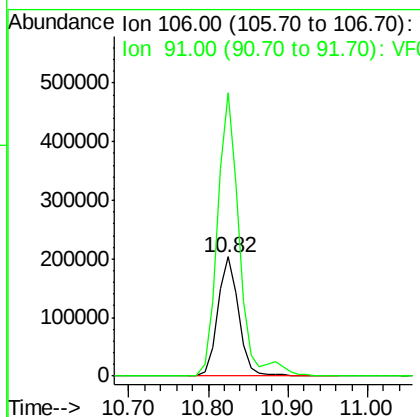
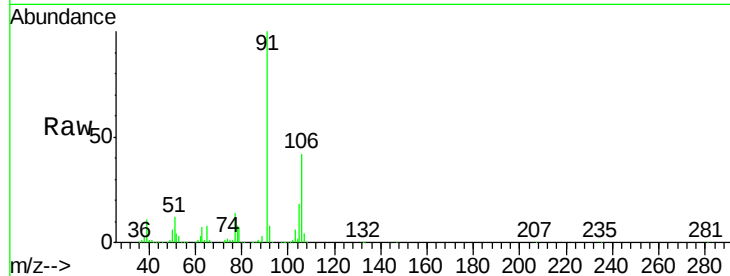




#69
o-Xylene
Concen: 88.49 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

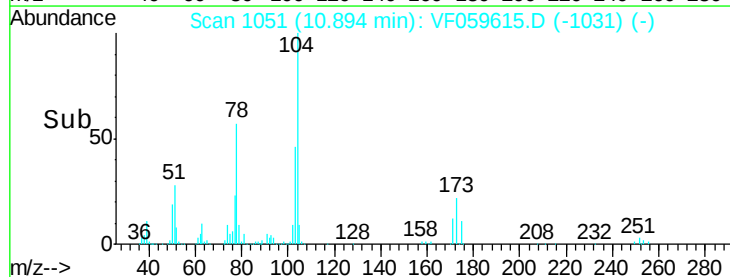
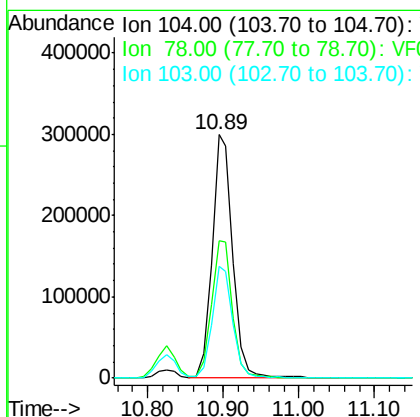
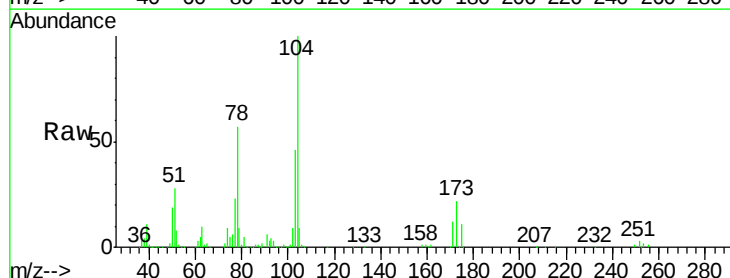
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

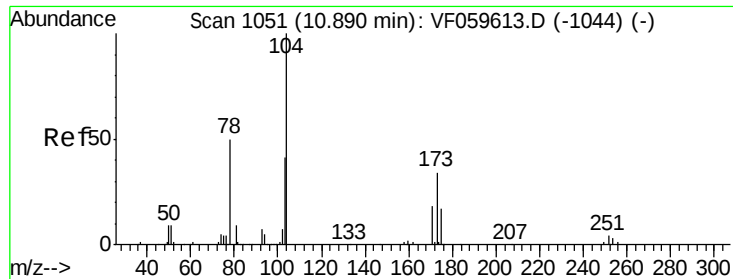
Tot Ion:106 Resp: 376368
Ion Ratio Lower Upper
106 100
91 237.0 125.8 377.3



#70
Styrene
Concen: 89.48 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

Tgt Ion:104 Resp: 568687
Ion Ratio Lower Upper
104 100
78 56.6 47.4 71.2
103 46.1 38.8 58.2





#71

Bromoform

Concen: 80.65 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

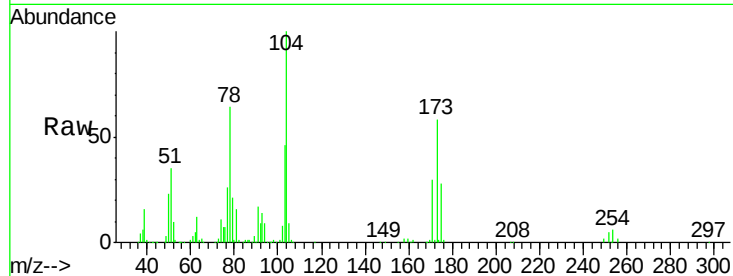
Tot Ion:173 Resp: 152534

Ion Ratio Lower Upper

173 100

175 47.5 25.1 75.2

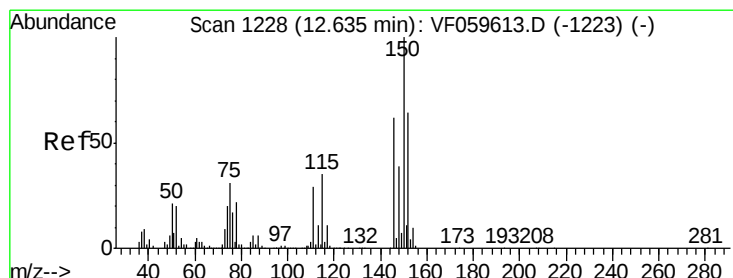
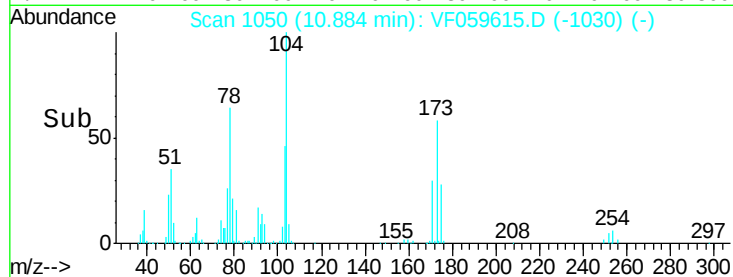
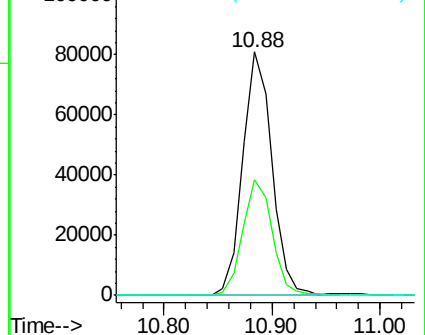
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70):

Ion 175.00 (174.70 to 175.70):

Ion 254.00 (253.70 to 254.70):



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

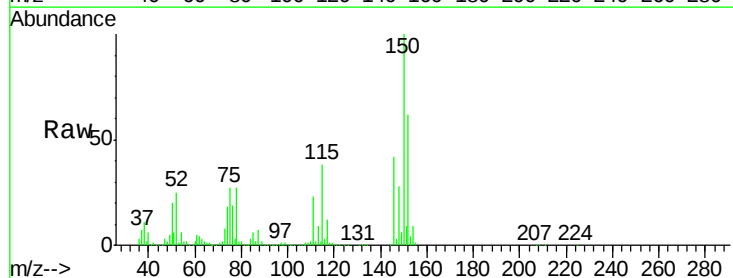
Tgt Ion:152 Resp: 212087

Ion Ratio Lower Upper

152 100

115 62.1 27.8 83.4

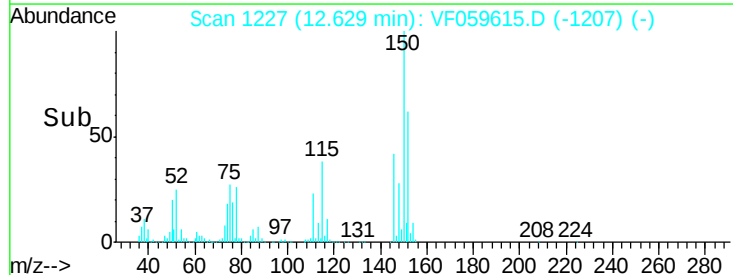
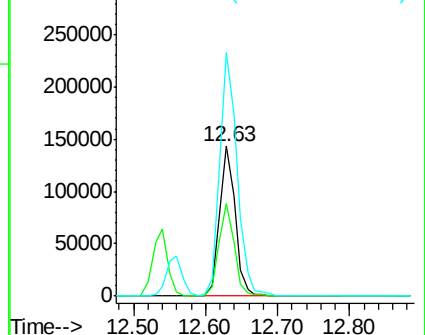
150 162.5 0.0 314.6

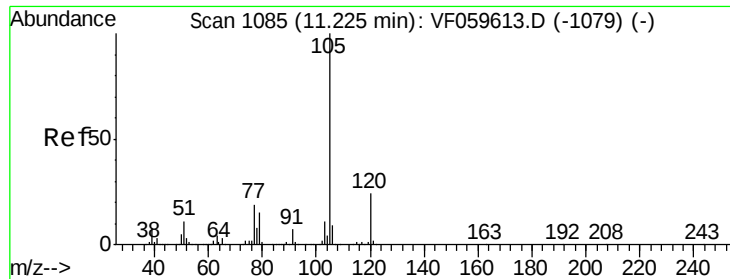


Abundance Ion 152.00 (151.70 to 152.70):

Ion 115.00 (114.70 to 115.70):

Ion 150.00 (149.70 to 150.70):





#73

Isopropylbenzene

Concen: 87.96 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.01 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Instrument :

MSVOA_F

ClientSampleId :

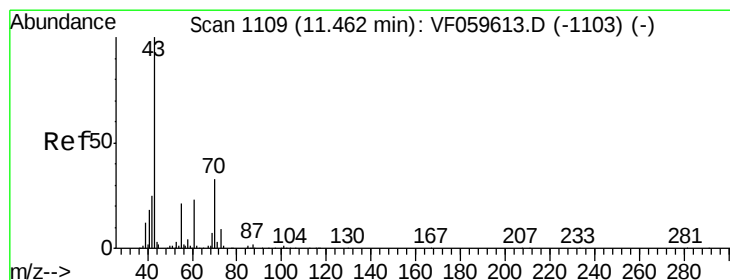
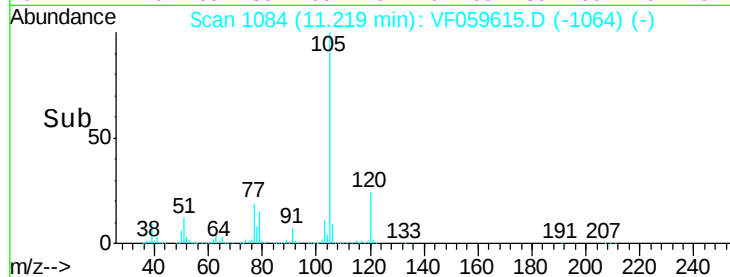
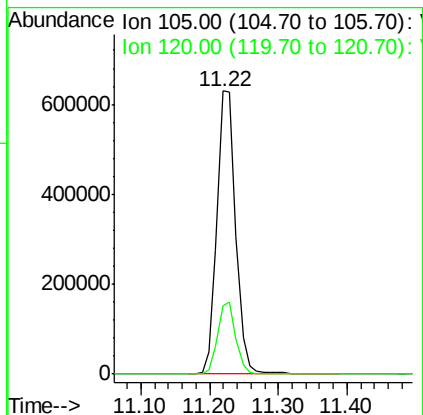
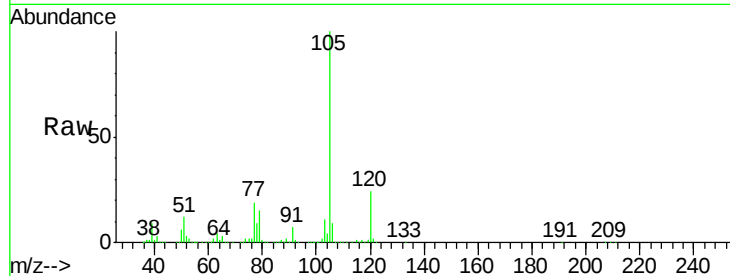
VSTDIC100

Tot Ion:105 Resp: 1194865

Ion Ratio Lower Upper

105 100

120 24.4 11.8 35.4



#74

N-ethyl acetate

Concen: 87.49 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Tgt Ion: 43 Resp: 296182

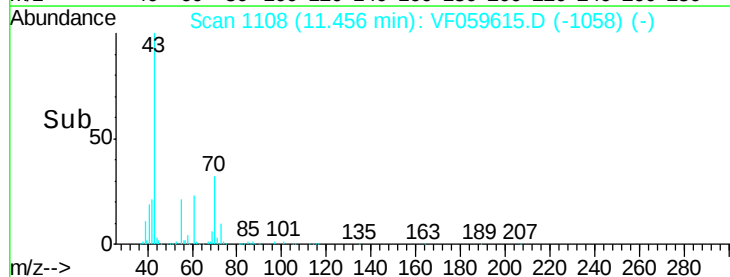
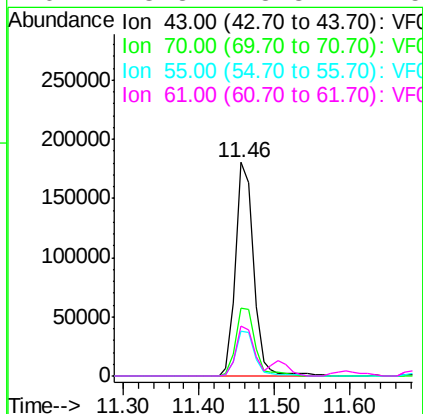
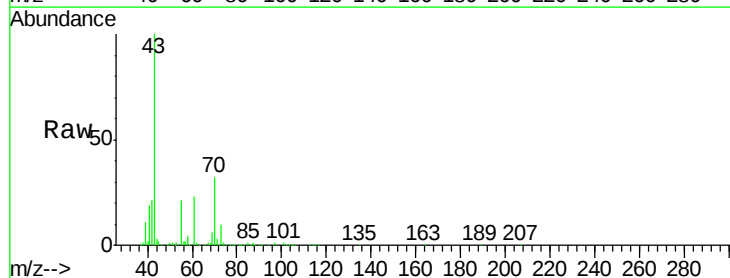
Ion Ratio Lower Upper

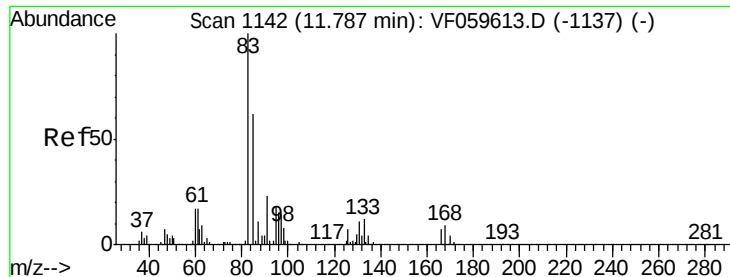
43 100

70 31.7 26.6 40.0

55 20.8 17.0 25.6

61 23.3 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 75.70 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

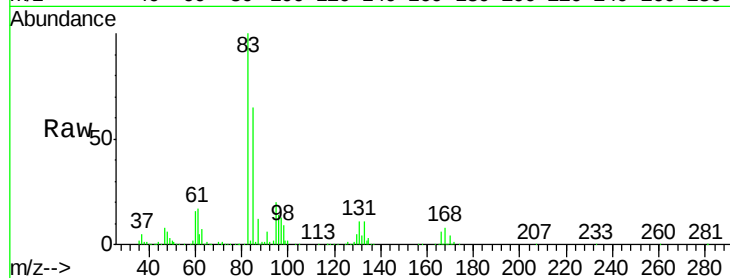
Tot Ion: 83 Resp: 188412

Ion Ratio Lower Upper

83 100

131 10.7 5.7 17.0

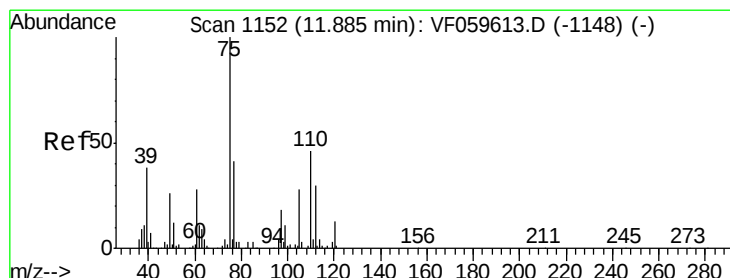
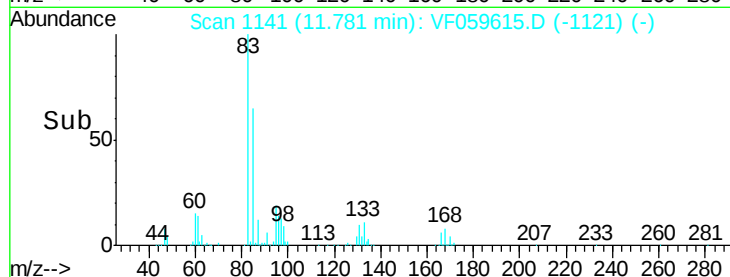
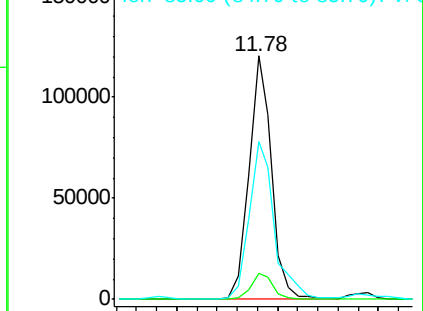
85 65.0 31.1 93.3



Abundance Ion 83.00 (82.70 to 83.70): VF059615.D (-1137) (-)

Ion 131.00 (130.70 to 131.70): VF059615.D (-1137) (-)

Ion 85.00 (84.70 to 85.70): VF059615.D (-1137) (-)



#76

1,2,3-Trichloropropane

Concen: 85.64 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. -0.01 min

Lab File: VF059615.D

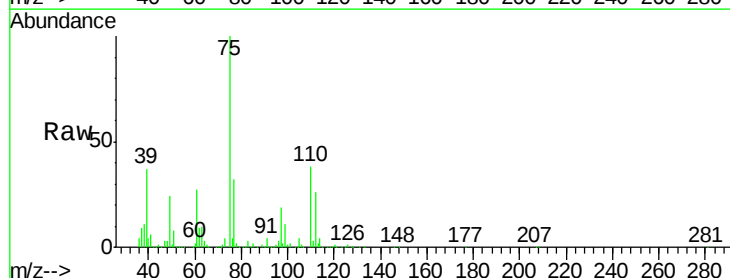
Acq: 23 Jul 2018 15:14

Tgt Ion: 75 Resp: 181415

Ion Ratio Lower Upper

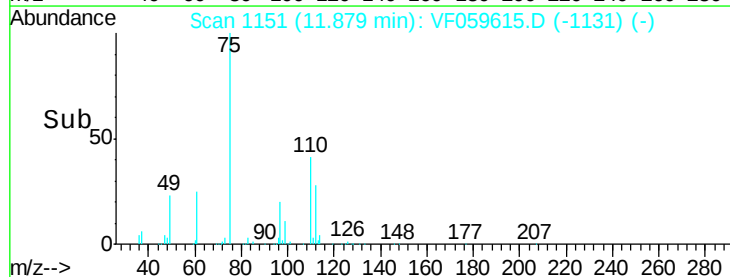
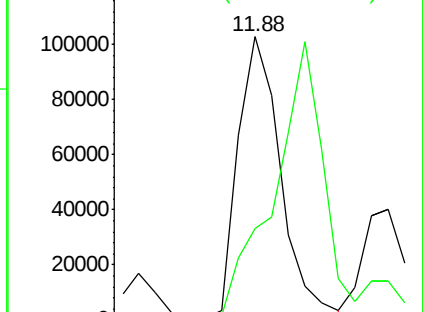
75 100

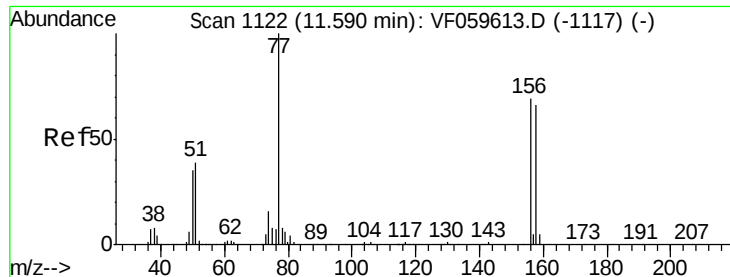
77 32.2 20.9 62.8



Abundance Ion 75.00 (74.70 to 75.70): VF059615.D (-1148) (-)

Ion 77.00 (76.70 to 77.70): VF059615.D (-1148) (-)





#77

Bromobenzene

Concen: 84.67 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

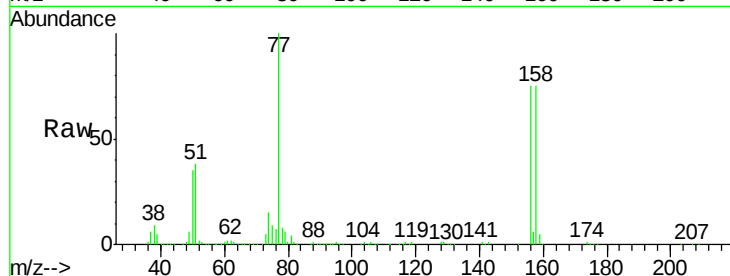
Tot Ion:156 Resp: 304590

Ion Ratio Lower Upper

156 100

77 133.1 72.1 216.3

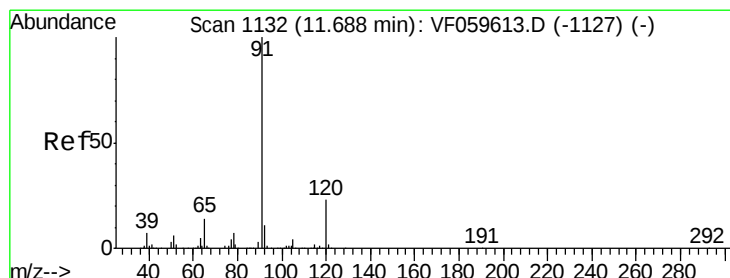
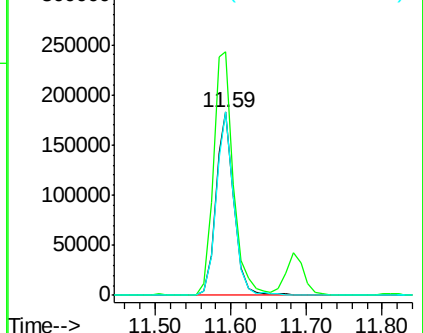
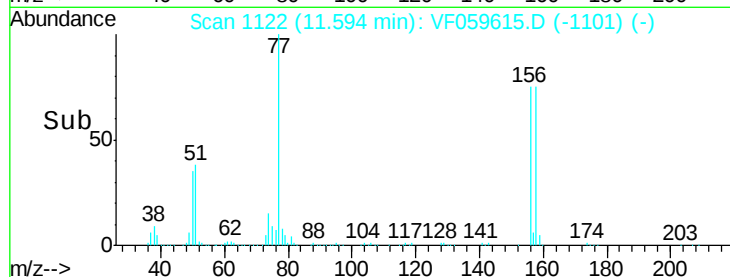
158 100.1 47.3 141.9



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: 85.15 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF059615.D

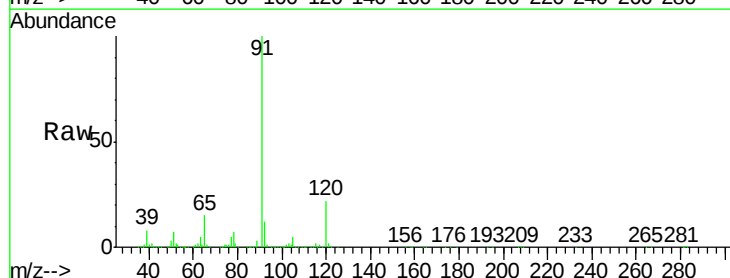
Acq: 23 Jul 2018 15:14

Tgt Ion: 91 Resp: 1377005

Ion Ratio Lower Upper

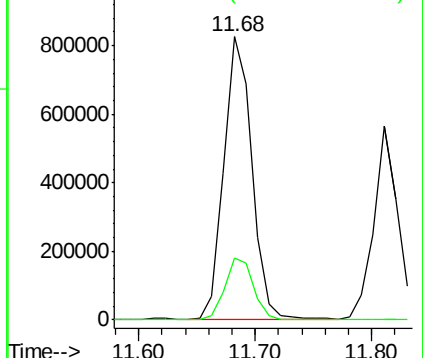
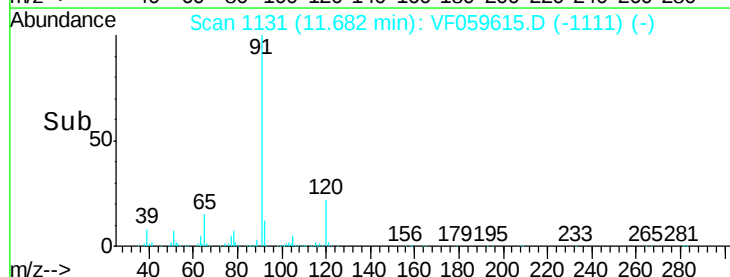
91 100

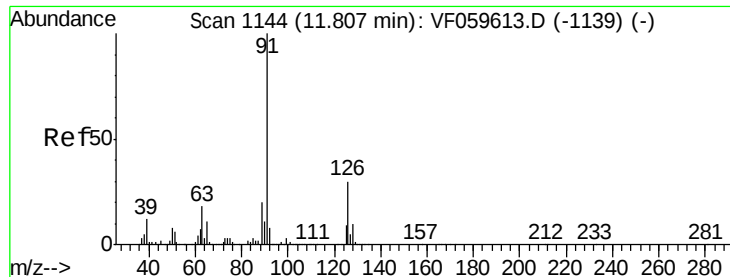
120 21.9 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70):

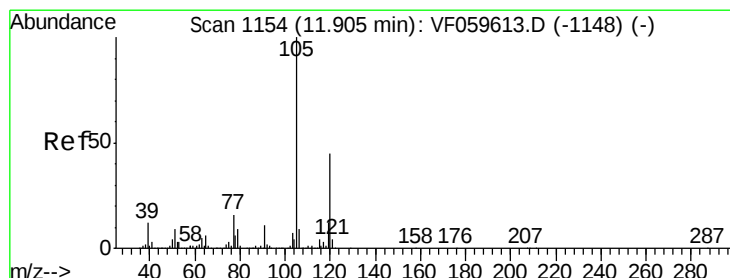
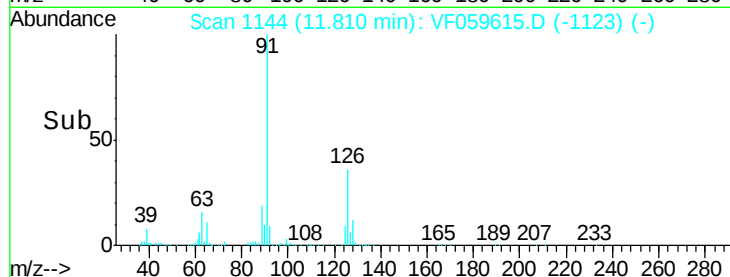
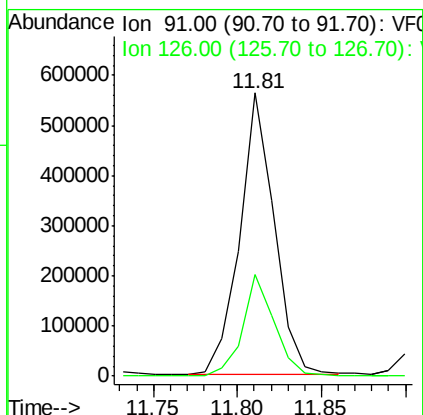
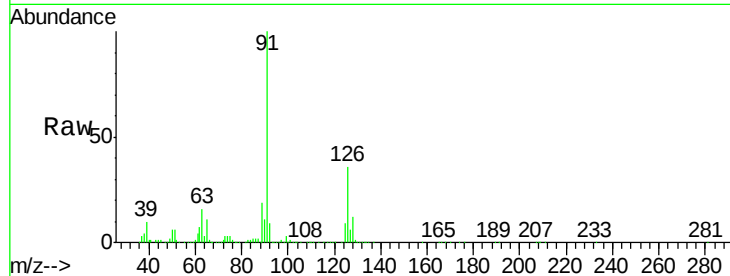




#79
 2-Chlorotoluene
 Concen: 82.12 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VF059615.D
 Acq: 23 Jul 2018 15:14

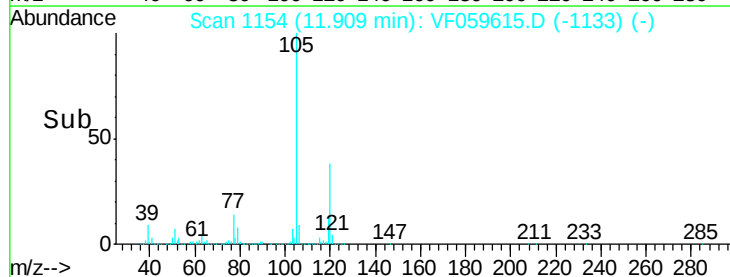
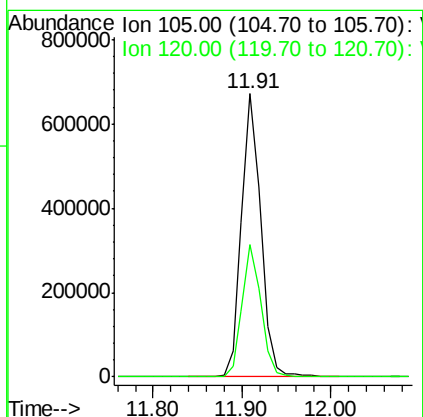
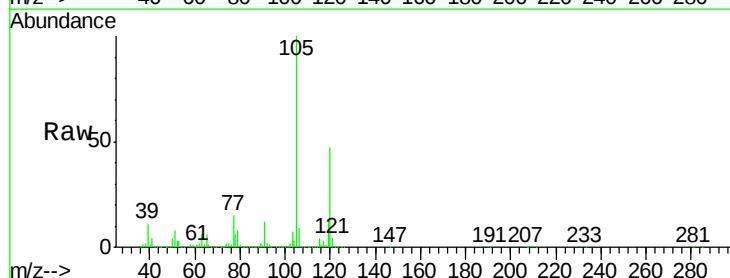
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

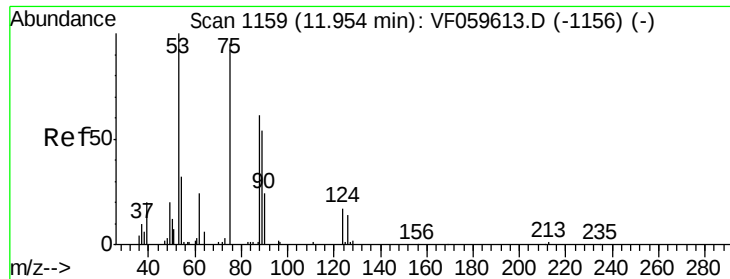
Tot Ion: 91 Resp: 798919
 Ion Ratio Lower Upper
 91 100
 126 36.0 15.1 45.3



#80
 1,3,5-Trimethylbenzene
 Concen: 84.61 ug/l
 RT: 11.91 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VF059615.D
 Acq: 23 Jul 2018 15:14

Tgt Ion: 105 Resp: 1015095
 Ion Ratio Lower Upper
 105 100
 120 46.7 22.4 67.0





#81

trans-1,4-Dichloro-2-butene

Concen: 95.28 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

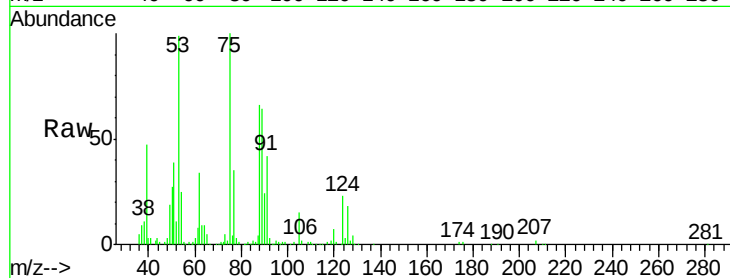
Tot Ion: 75 Resp: 100536

Ion Ratio Lower Upper

75 100

53 98.7 86.4 129.6

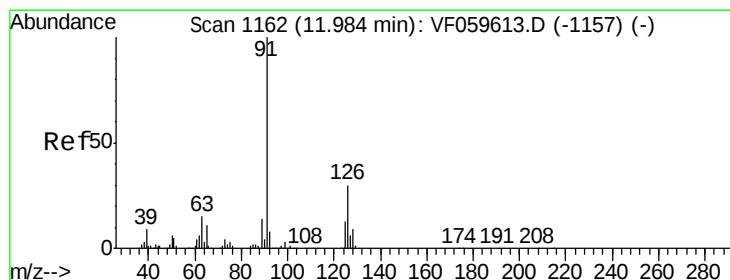
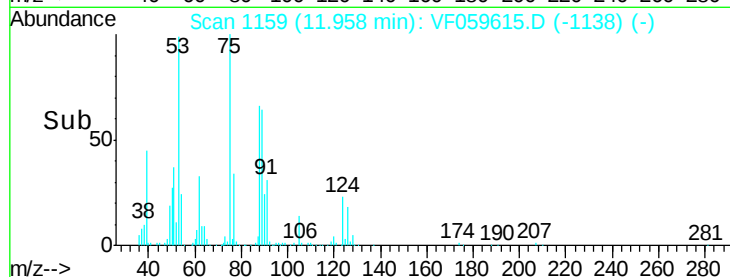
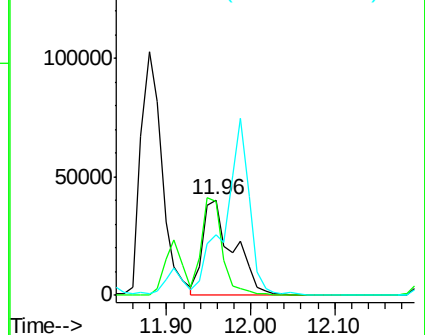
89 64.3 46.8 70.2



Abundance Ion 75.00 (74.70 to 75.70): VF059615.D (-1156) (-)

Ion 53.00 (52.70 to 53.70): VF059615.D (-1156) (-)

Ion 89.00 (88.70 to 89.70): VF059615.D (-1156) (-)



#82

4-Chlorotoluene

Concen: 84.91 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF059615.D

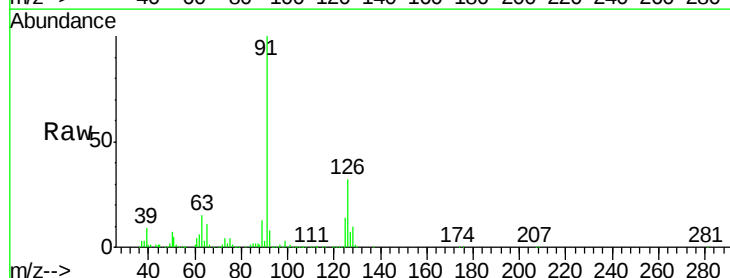
Acq: 23 Jul 2018 15:14

Tgt Ion: 91 Resp: 920351

Ion Ratio Lower Upper

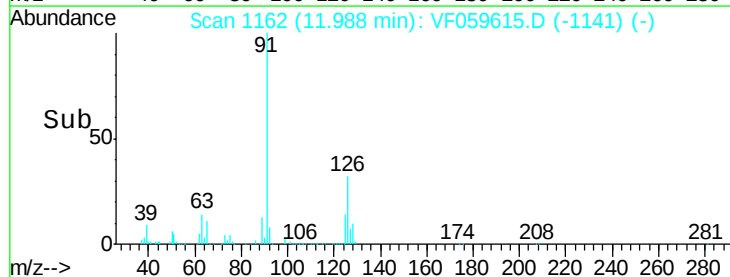
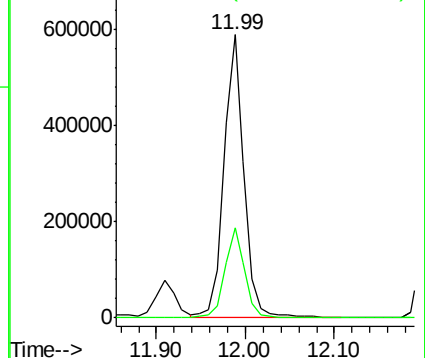
91 100

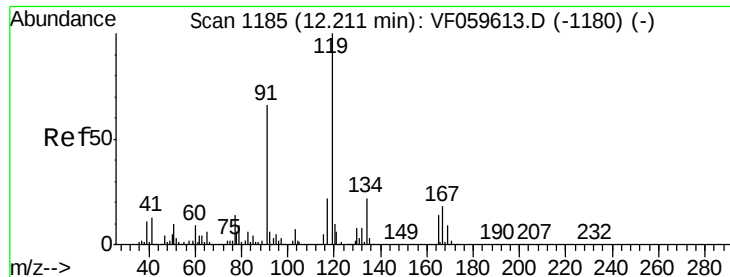
126 31.9 14.7 44.1



Abundance Ion 91.00 (90.70 to 91.70): VF059615.D (-1157) (-)

Ion 126.00 (125.70 to 126.70): VF059615.D (-1157) (-)

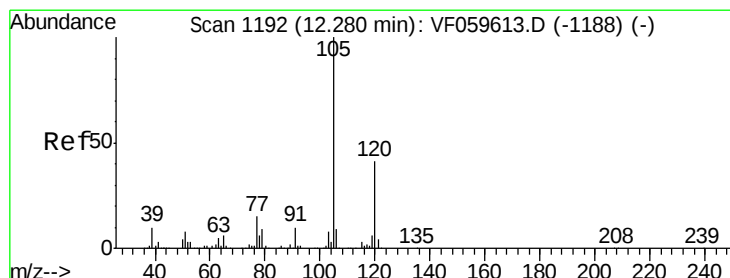
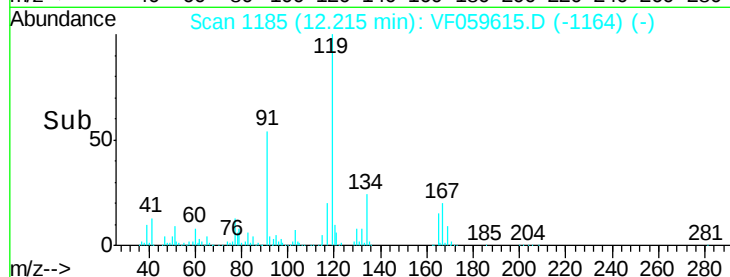
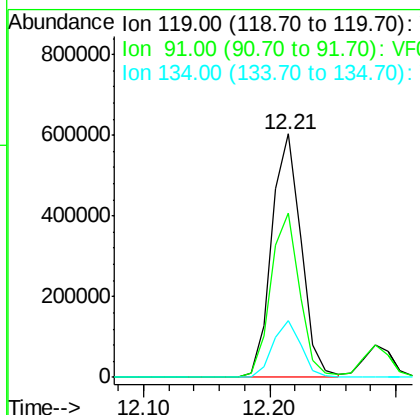
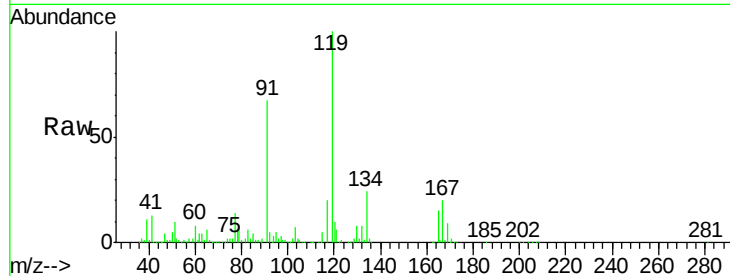




#83
 tert-Butylbenzene
 Concen: 83.17 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF059615.D
 Acq: 23 Jul 2018 15:14

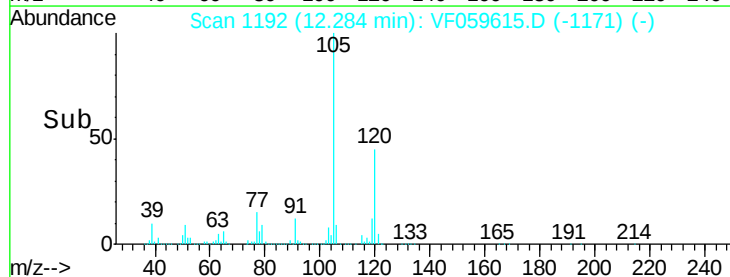
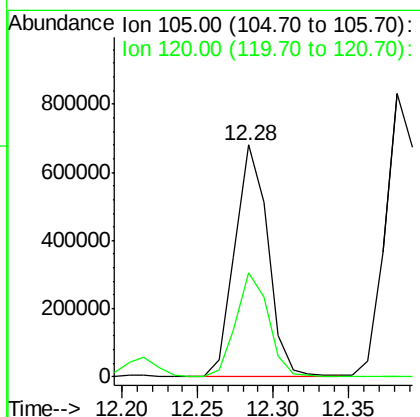
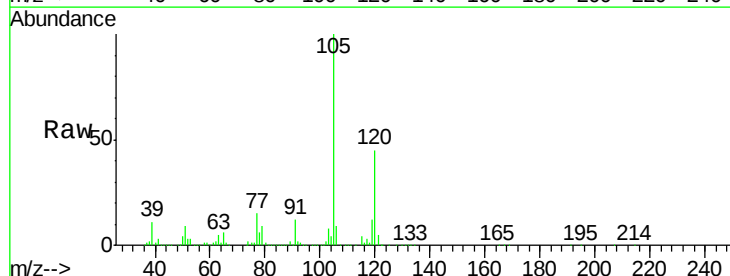
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

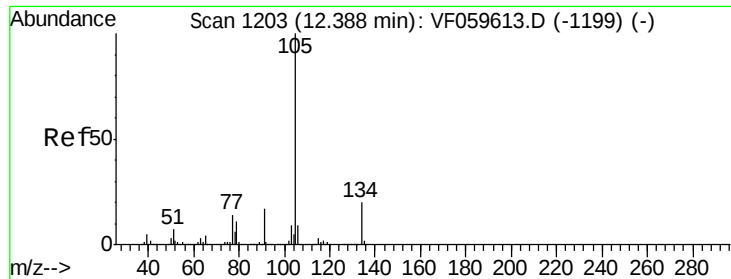
Tot Ion:119 Resp: 981161
 Ion Ratio Lower Upper
 119 100
 91 67.4 33.2 99.6
 134 23.5 10.9 32.6



#84
 1,2,4-Trimethylbenzene
 Concen: 84.85 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: VF059615.D
 Acq: 23 Jul 2018 15:14

Tgt Ion:105 Resp: 1037808
 Ion Ratio Lower Upper
 105 100
 120 44.9 20.4 61.3





#85

sec-Butylbenzene

Concen: 86.77 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Instrument :

MSVOA_F

ClientSampleId :

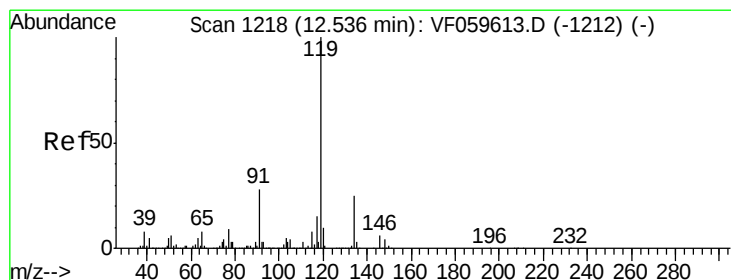
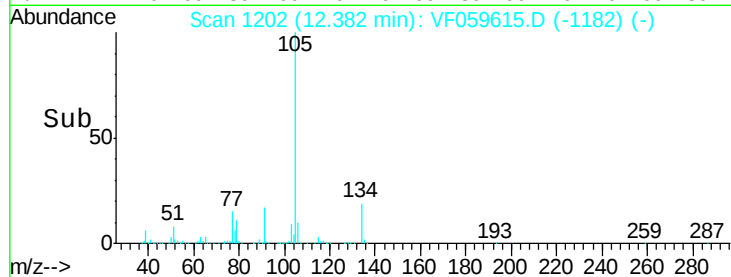
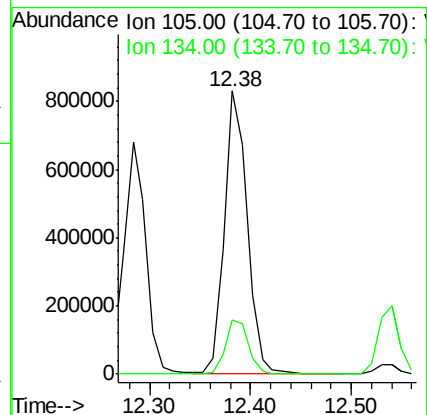
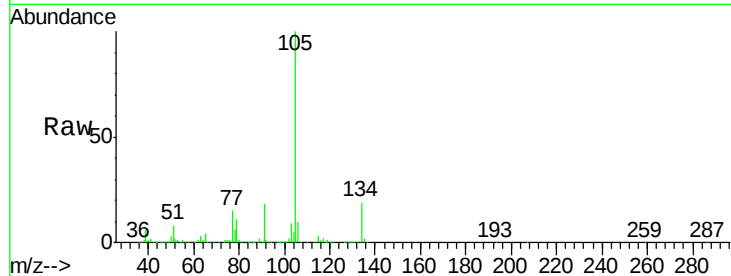
VSTDIC100

Tot Ion:105 Resp: 1307705

Ion Ratio Lower Upper

105 100

134 19.3 9.9 29.7



#86

p-Isopropyltoluene

Concen: 89.16 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

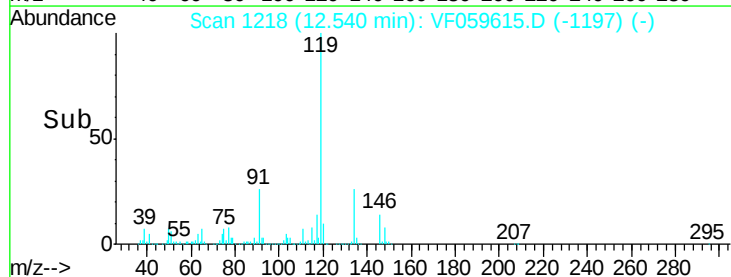
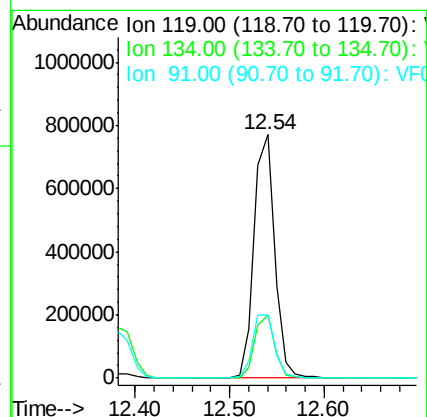
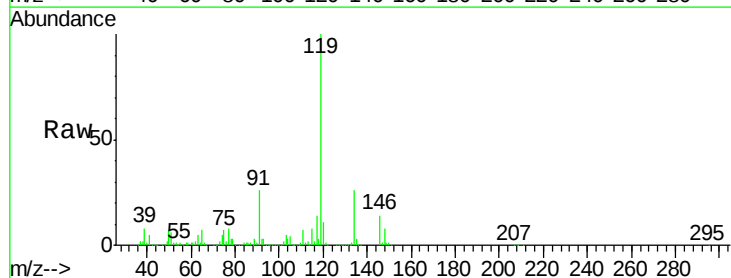
Tgt Ion:119 Resp: 1170717

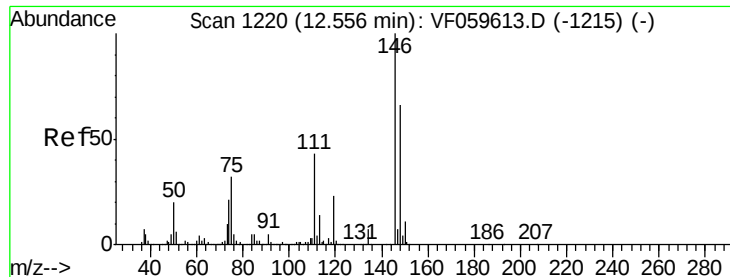
Ion Ratio Lower Upper

119 100

134 26.0 12.4 37.2

91 25.9 13.9 41.7





#87

1,3-Dichlorobenzene

Concen: 84.73 ug/l

RT: 12.56 min Scan# 1220

Delta R.T. 0.00 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

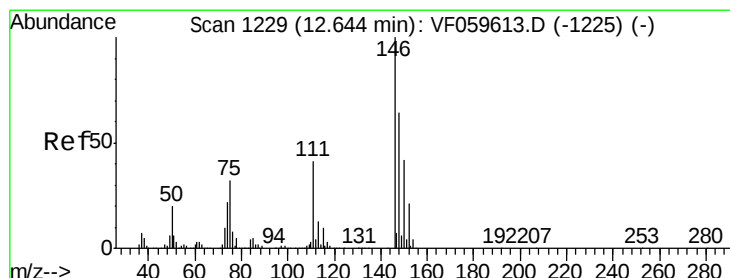
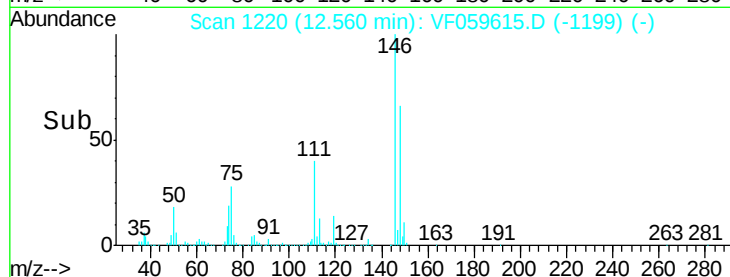
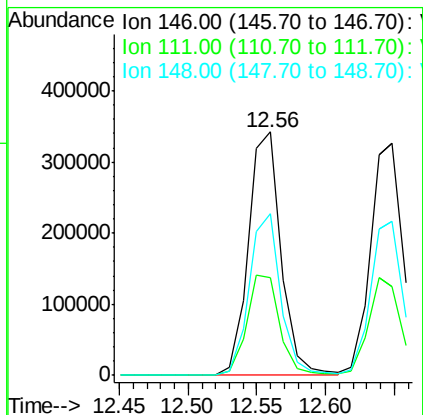
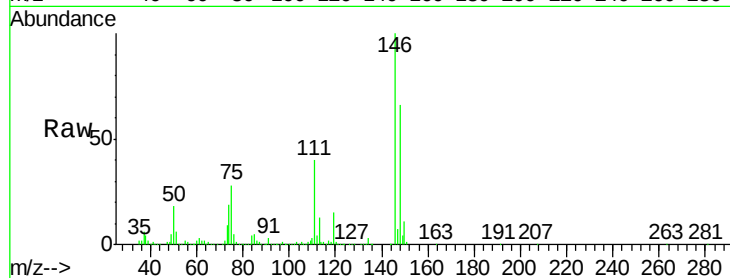
Tot Ion:146 Resp: 567463

Ion Ratio Lower Upper

146 100

111 40.3 21.6 64.8

148 66.2 33.1 99.3



#88

1,4-Dichlorobenzene

Concen: 85.10 ug/l

RT: 12.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

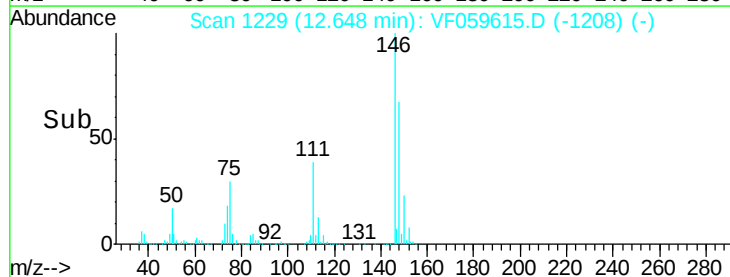
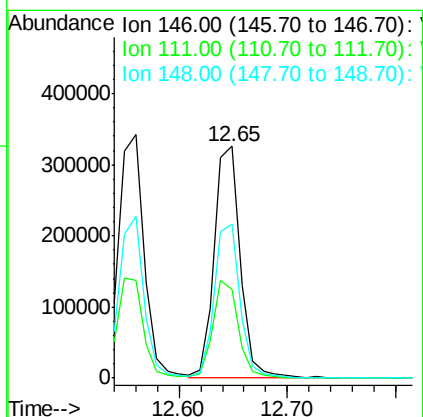
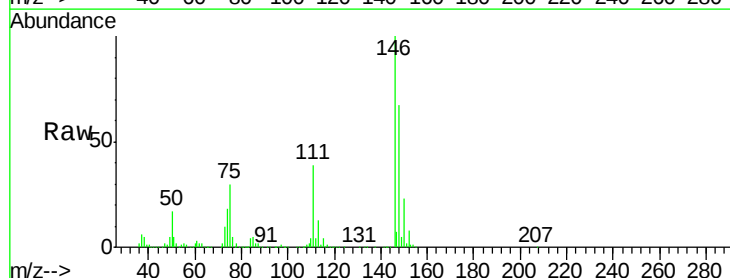
Tgt Ion:146 Resp: 542739

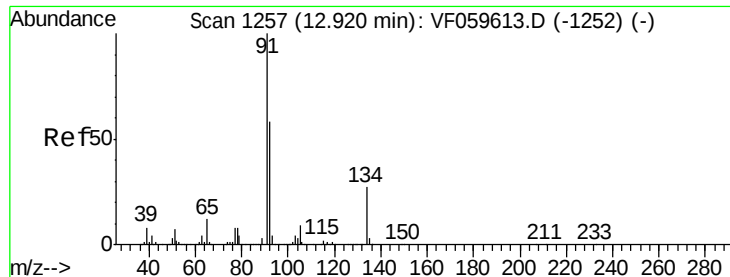
Ion Ratio Lower Upper

146 100

111 38.6 20.5 61.5

148 66.7 32.3 96.8





#89

n-Butylbenzene

Concen: 88.56 ug/l

RT: 12.91 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

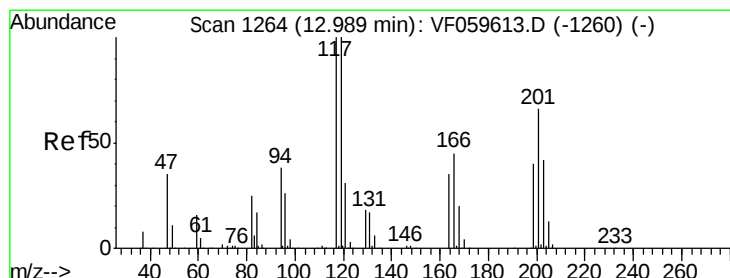
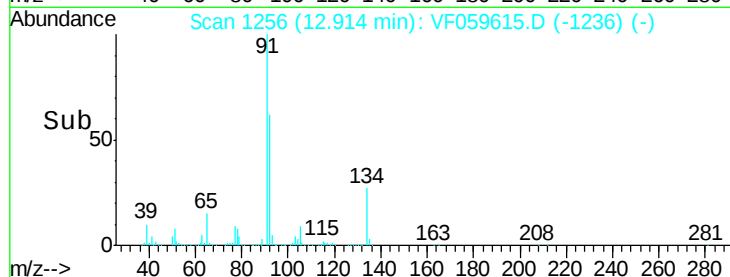
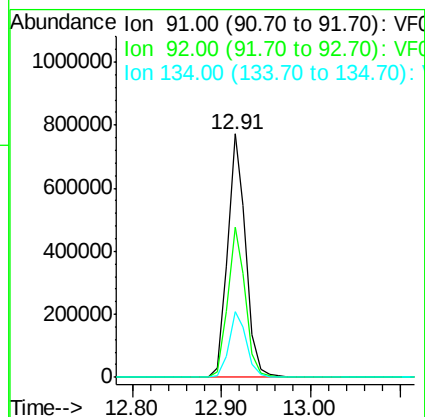
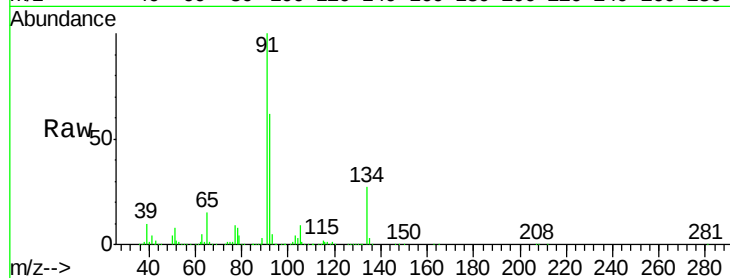
Tot Ion: 91 Resp: 1108287

Ion	Ratio	Lower	Upper
91	100		
92	61.8	28.8	86.4
134	26.8	13.5	40.4

91 100

92 61.8 28.8 86.4

134 26.8 13.5 40.4



#90

Hexachloroethane

Concen: 88.99 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VF059615.D

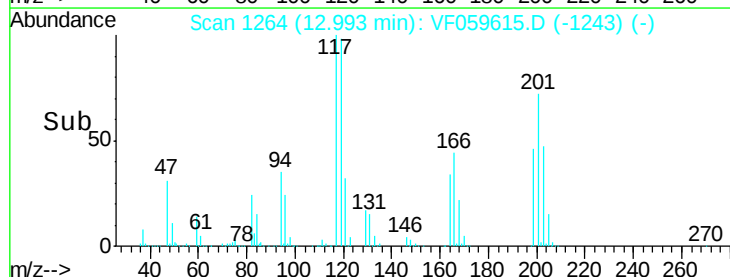
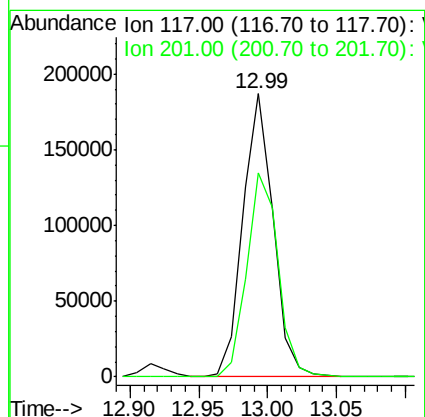
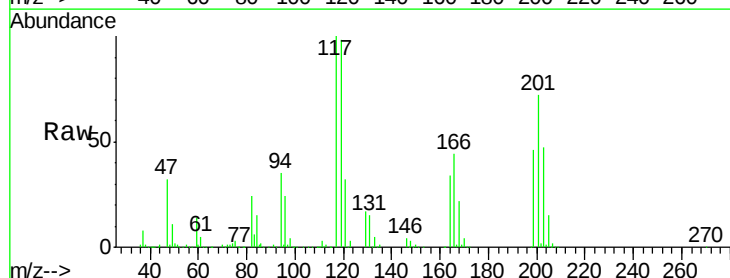
Acq: 23 Jul 2018 15:14

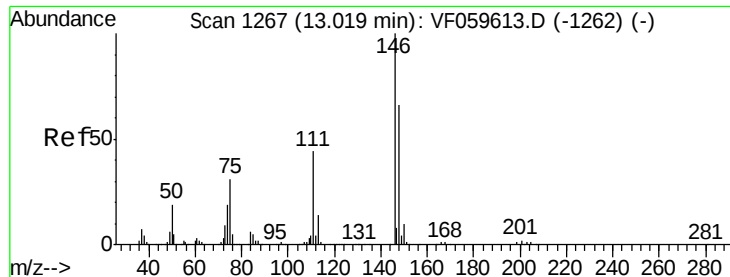
Tgt Ion: 117 Resp: 286732

Ion	Ratio	Lower	Upper
117	100		
201	72.0	33.6	100.6

117 100

201 72.0 33.6 100.6





#91

1,2-Dichlorobenzene

Concen: 84.77 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. -0.01 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

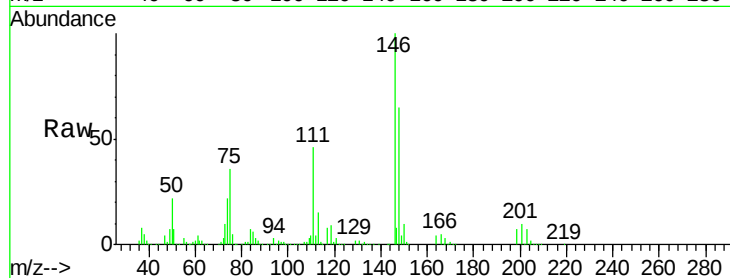
Tot Ion:146 Resp: 531414

Ion Ratio Lower Upper

146 100

111 46.0 21.8 65.3

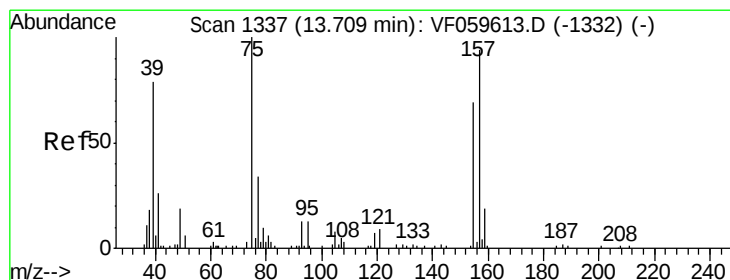
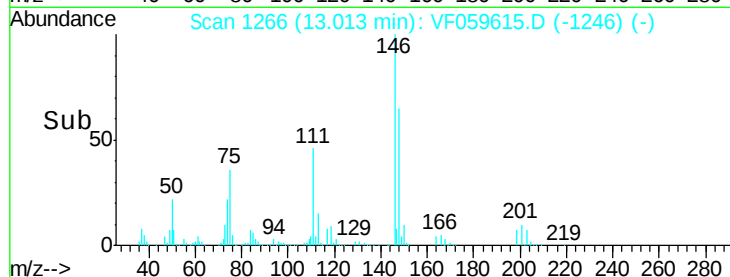
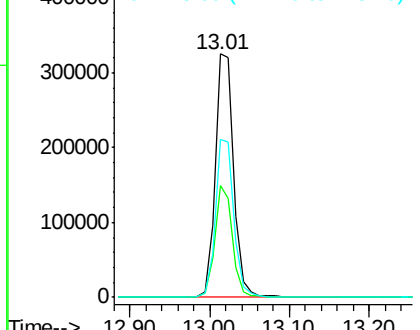
148 64.6 32.9 98.7



Abundance Ion 146.00 (145.70 to 146.70):

Ion 111.00 (110.70 to 111.70):

Ion 148.00 (147.70 to 148.70):



#92

1,2-Dibromo-3-Chloropropane

Concen: 81.89 ug/l

RT: 13.71 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VF059615.D

Acq: 23 Jul 2018 15:14

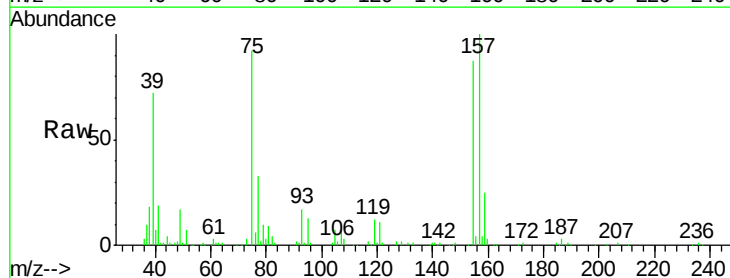
Tgt Ion: 75 Resp: 49513

Ion Ratio Lower Upper

75 100

155 99.0 34.6 103.8

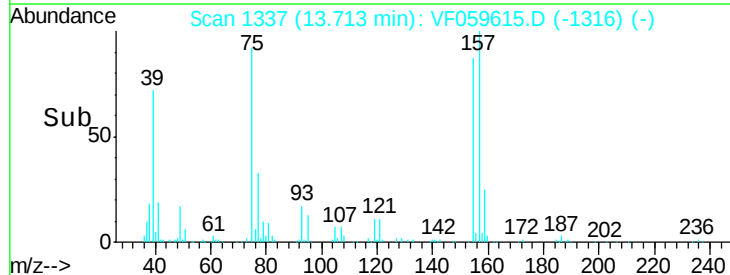
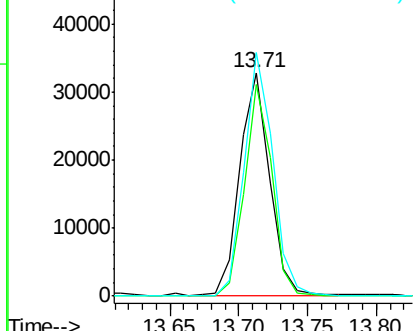
157 108.8 47.0 141.0

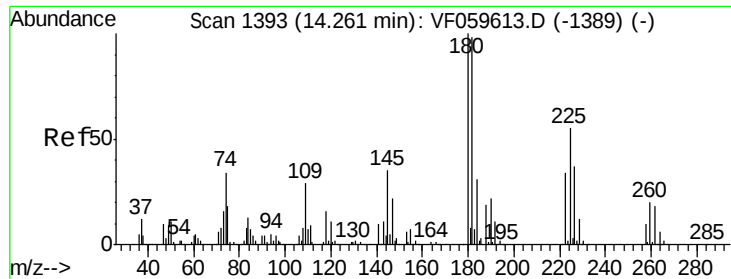


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70):

Ion 157.00 (156.70 to 157.70):

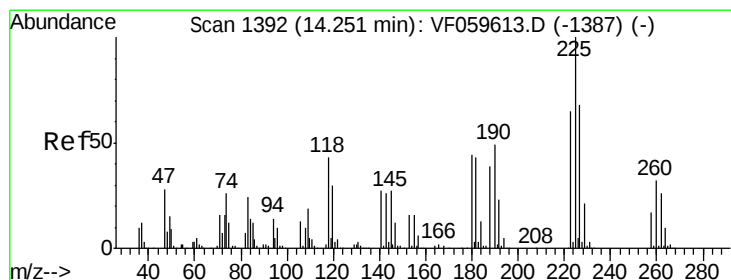
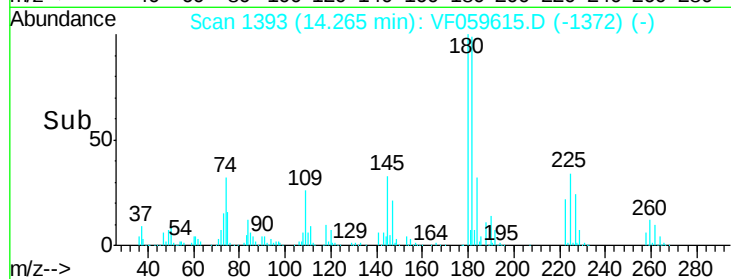
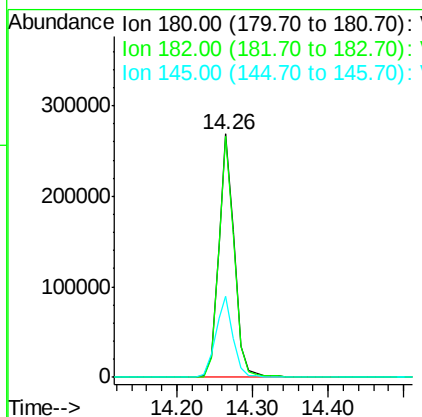
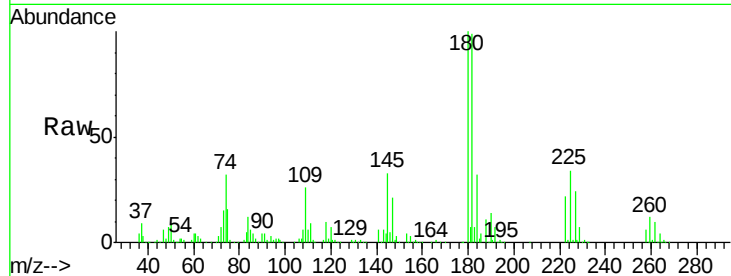




#93
 1,2,4-Trichlorobenzene
 Concen: 86.62 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059615.D
 Acq: 23 Jul 2018 15:14

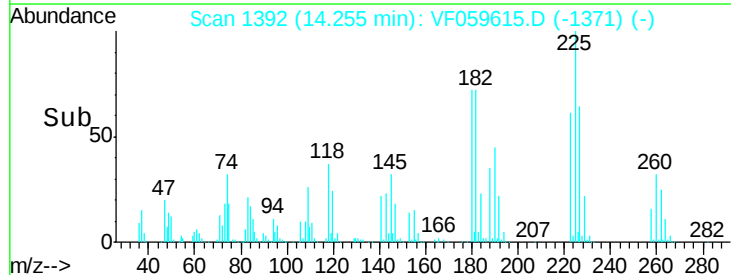
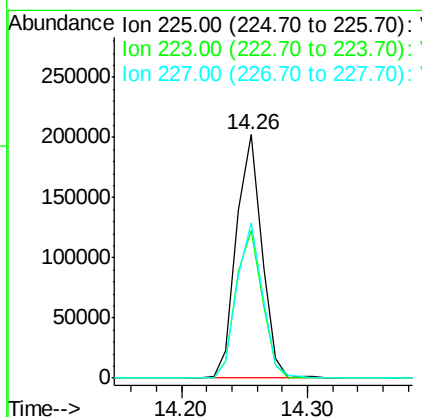
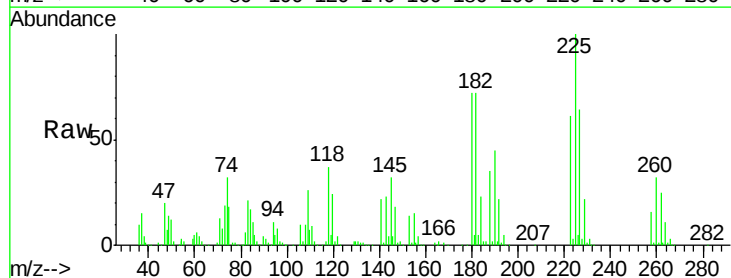
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

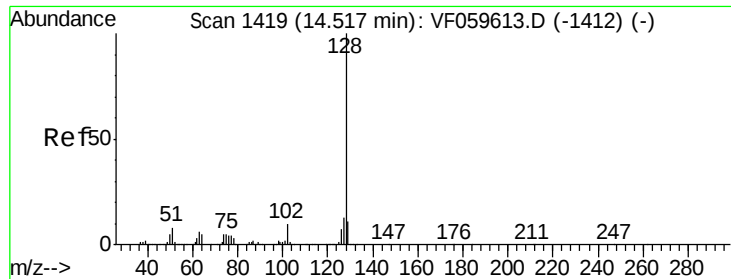
Tot Ion:180 Resp: 389384
 Ion Ratio Lower Upper
 180 100
 182 98.8 48.8 146.3
 145 33.1 17.5 52.6



#94
 Hexachlorobutadiene
 Concen: 96.49 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059615.D
 Acq: 23 Jul 2018 15:14

Tgt Ion:225 Resp: 281895
 Ion Ratio Lower Upper
 225 100
 223 60.8 32.6 98.0
 227 63.6 33.9 101.6

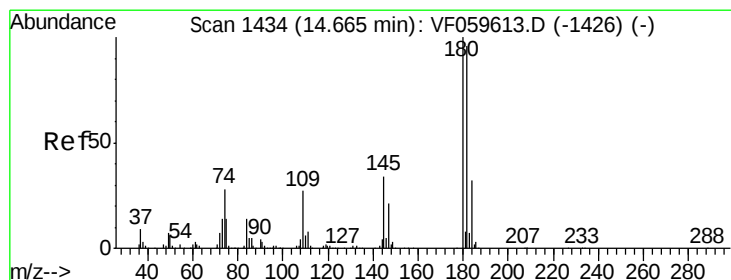
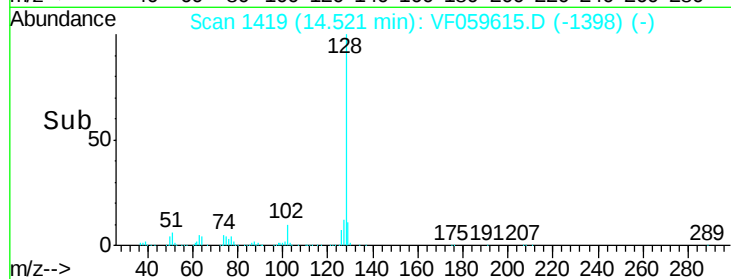
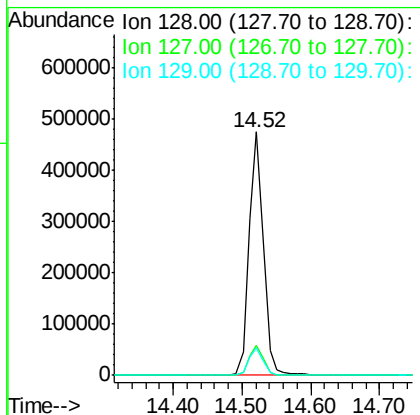
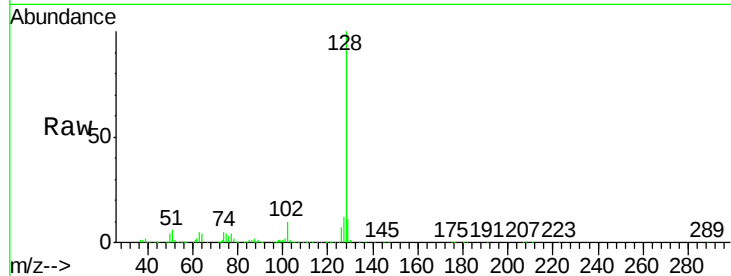




#95
Naphthalene
Concen: 87.47 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion:128 Resp: 684796
Ion Ratio Lower Upper
128 100
127 12.2 10.2 15.2
129 11.3 9.1 13.7



#96
1,2,3-Trichlorobenzene
Concen: 92.80 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059615.D
Acq: 23 Jul 2018 15:14

Tgt Ion:180 Resp: 381374
Ion Ratio Lower Upper
180 100
182 97.5 48.0 144.2
145 30.3 17.1 51.2

