

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW012418\
 Data File : VW000961.D
 Acq On : 24 Jan 2018 21:07
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.0G/5.0ML/MSVOA_W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jan 25 04:44:40 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012318S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 23 13:31:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	277091	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	365168	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	332015	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	177650	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	120668	45.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.86%	
35) Dibromofluoromethane	7.88	113	107634	48.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.22%	
50) Toluene-d8	10.33	98	445369	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
62) 4-Bromofluorobenzene	12.63	95	156538	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.00	85	127247	47.63	ug/l	98
3) Chloromethane	2.22	50	103904	44.01	ug/l	94
4) Vinyl Chloride	2.36	62	100096	45.58	ug/l	99
5) Bromomethane	2.75	94	71322	49.22	ug/l	99
6) Chloroethane	2.90	64	54676	44.80	ug/l	98
7) Trichlorofluoromethane	3.25	101	188077	46.51	ug/l	100
8) Diethyl Ether	3.68	74	44978	44.40	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.04	101	132797	50.83	ug/l	99
10) Methyl Iodide	4.26	142	109573	40.58	ug/l	100
11) Tert butyl alcohol	5.19	59	72902	253.12	ug/l	96
12) 1,1-Dichloroethene	4.03	96	114899	51.17	ug/l	96
13) Acrolein	3.89	56	64228	228.40	ug/l	98
14) Allyl chloride	4.66	41	162396	46.42	ug/l	99
15) Acrylonitrile	5.37	53	194750	246.13	ug/l	99
16) Acetone	4.13	43	224980	209.26	ug/l	100
17) Carbon Disulfide	4.37	76	359314	48.45	ug/l	99
18) Methyl Acetate	4.67	43	93091	47.65	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	282197	48.92	ug/l	98
20) Methylene Chloride	4.91	84	115038	47.97	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	123770	47.44	ug/l	97
22) Diisopropyl ether	6.32	45	305187	48.72	ug/l	99
23) Vinyl Acetate	6.26	43	883698	227.05	ug/l	98
24) 1,1-Dichloroethane	6.21	63	197446	47.09	ug/l	99
25) 2-Butanone	7.18	43	288275	245.35	ug/l	100
26) 2,2-Dichloropropane	7.17	77	193246	45.53	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	125614	46.59	ug/l	98
28) Bromochloromethane	7.51	49	80911	45.94	ug/l	98
29) Tetrahydrofuran	7.53	42	165209	255.55	ug/l	99
30) Chloroform	7.68	83	207821	45.95	ug/l	97
31) Cyclohexane	7.95	56	200954	46.43	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	205532	47.03	ug/l	99
36) 1,1-Dichloropropene	8.08	75	178619	51.27	ug/l	100
37) Ethyl Acetate	7.26	43	100324	51.01	ug/l	99
38) Carbon Tetrachloride	8.07	117	194980	50.73	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	221598	52.80	ug/l	97
40) Benzene	8.32	78	467179	49.31	ug/l	99
41) Methacrylonitrile	7.49	41	60902	55.17	ug/l	99
42) 1,2-Dichloroethane	8.40	62	142183	48.71	ug/l	99
43) Isopropyl Acetate	8.43	43	169925	50.97	ug/l	100
44) Trichloroethene	9.09	130	140882	50.05	ug/l	98
45) 1,2-Dichloropropane	9.37	63	109230	49.42	ug/l	99
46) Dibromomethane	9.46	93	68449	48.47	ug/l	98
47) Bromodichloromethane	9.65	83	152657	48.88	ug/l	98
48) Methyl methacrylate	9.44	41	83525	52.16	ug/l	97
49) 1,4-Dioxane	9.45	88	35290	1143.34	ug/l	98
51) 4-Methyl-2-Pentanone	10.22	43	512097	266.93	ug/l	99
52) Toluene	10.40	92	301458	50.37	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	152883	48.32	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	171131	49.16	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	98308	49.85	ug/l	99
56) Ethyl methacrylate	10.65	69	127308	48.24	ug/l	99
57) 1,3-Dichloropropane	10.94	76	160432	49.82	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	378418	251.67	ug/l	100
59) 2-Hexanone	10.98	43	395912	235.64	ug/l	99
60) Dibromochloromethane	11.14	129	117206	49.21	ug/l	100
61) 1,2-Dibromoethane	11.24	107	101758	49.53	ug/l	98
64) Tetrachloroethene	10.87	164	145034	52.63	ug/l	99
65) Chlorobenzene	11.67	112	334143	49.05	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	120039	49.08	ug/l	99
67) Ethyl Benzene	11.74	91	588498	51.14	ug/l	99
68) m/p-Xylenes	11.85	106	460360	102.93	ug/l	99
69) o-Xylene	12.18	106	211146	51.48	ug/l	99
70) Styrene	12.19	104	345217	51.63	ug/l	100
71) Bromoform	12.36	173	83203	50.14	ug/l #	99
73) Isopropylbenzene	12.48	105	604536	52.66	ug/l	99
74) N-amyl acetate	12.29	43	149238	53.54	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	127350	51.91	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	172797	84.06	ug/l #	100
77) Bromobenzene	12.76	156	146239	50.07	ug/l	100
78) n-propylbenzene	12.82	91	718064	51.85	ug/l	99
79) 2-Chlorotoluene	12.91	91	397212	50.84	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	511242	52.35	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	34893	43.25	ug/l	99
82) 4-Chlorotoluene	13.01	91	417583	50.31	ug/l	99
83) tert-Butylbenzene	13.23	119	452297	52.86	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	513893	52.04	ug/l	99
85) sec-Butylbenzene	13.40	105	646846	52.39	ug/l	100
86) p-Isopropyltoluene	13.52	119	578050	52.78	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	285947	49.36	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	282227	48.72	ug/l	100
89) n-Butylbenzene	13.84	91	539792	52.47	ug/l	99
90) Hexachloroethane	14.11	117	102079	50.14	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	262063	50.22	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	29983	55.37	ug/l	97

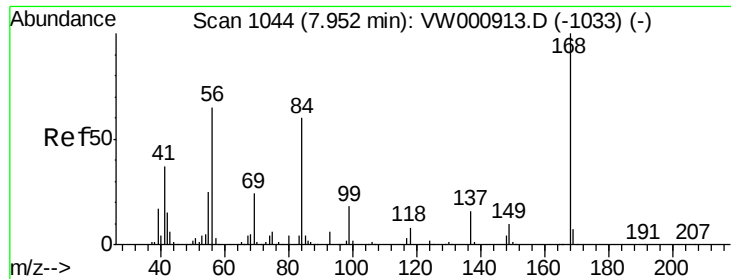
Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW012418\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	199598	51.32	ug/l	99
94) Hexachlorobutadiene	15.26	225	128905	52.29	ug/l	99
95) Naphthalene	15.39	128	463568	56.47	ug/l	100
96) 1,2,3-Trichlorobenzene	15.58	180	186458	52.12	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Instrument :

MSVOA_W

ClientSampleId :

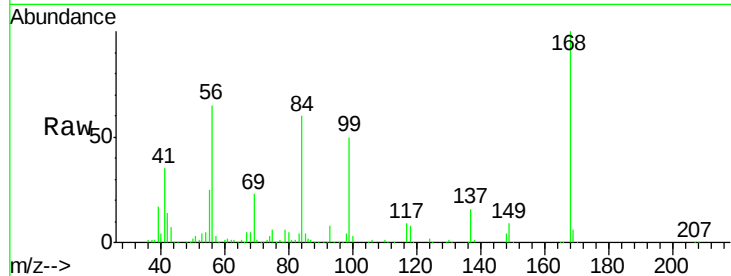
VSTDCCC050EC

Tgt Ion:168 Resp: 277091

Ion Ratio Lower Upper

168 100

99 50.0 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

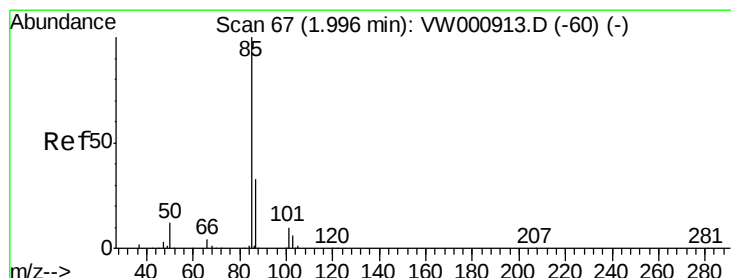
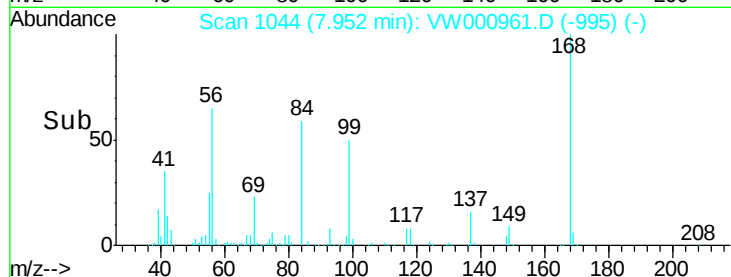
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50000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 47.63 ug/l

RT: 2.00 min Scan# 67

Delta R.T. 0.00 min

Lab File: VW000961.D

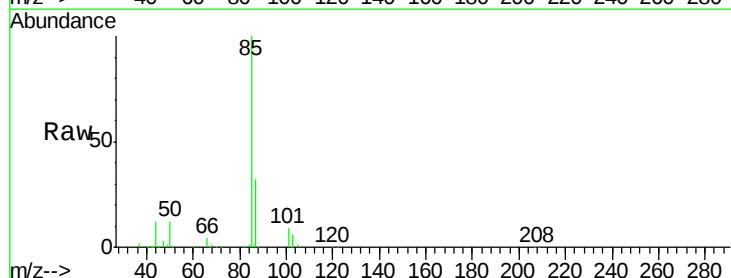
Acq: 24 Jan 2018 21:07

Tgt Ion: 85 Resp: 127247

Ion Ratio Lower Upper

85 100

87 31.9 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

80000

60000

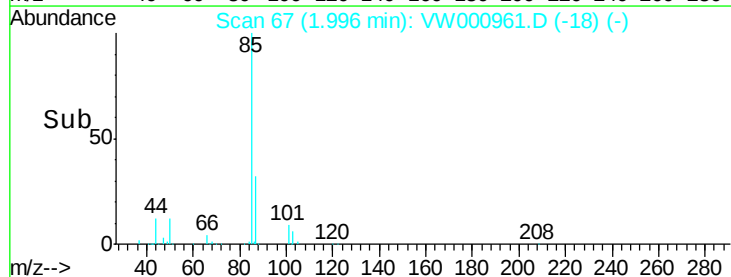
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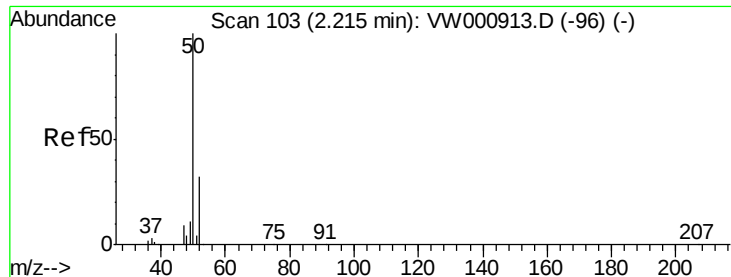
20000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 44.01 ug/l

RT: 2.22 min Scan# 103

Delta R.T. 0.00 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Instrument :

MSVOA_W

ClientSampleId :

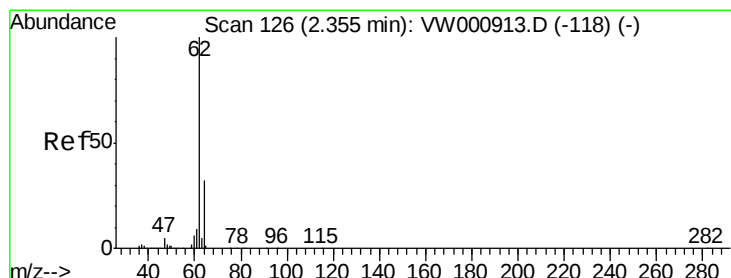
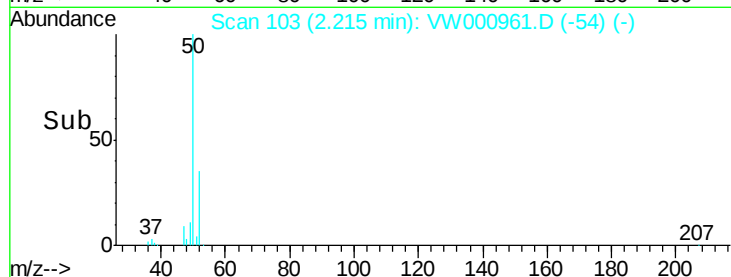
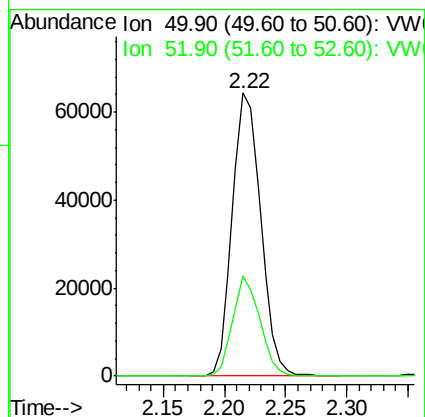
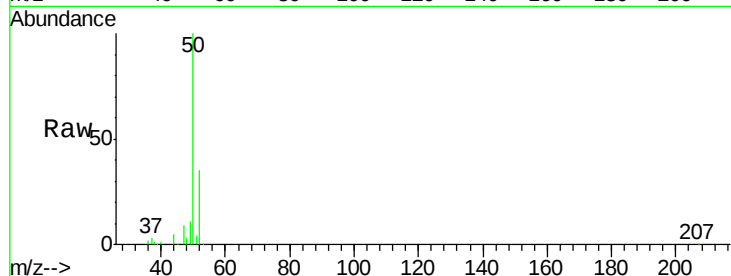
VSTDCCC050EC

Tgt Ion: 50 Resp: 103904

Ion Ratio Lower Upper

50 100

52 35.4 25.5 38.3



#4

Vinyl Chloride

Concen: 45.58 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW000961.D

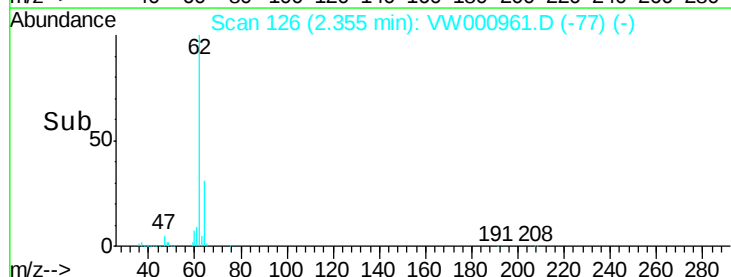
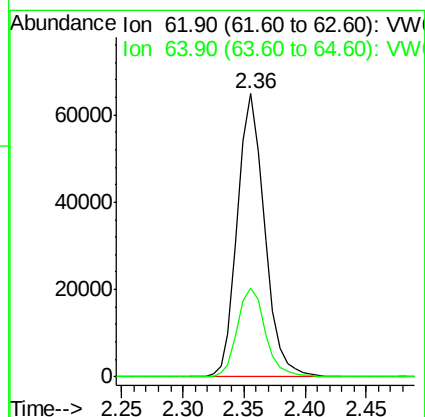
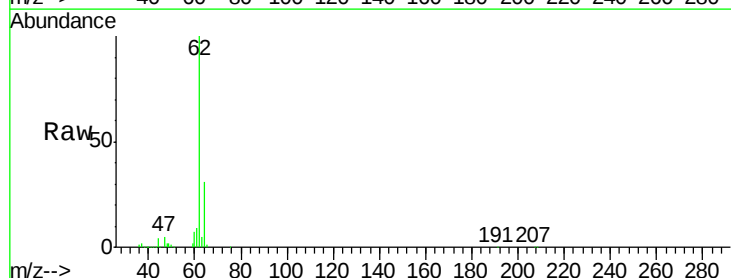
Acq: 24 Jan 2018 21:07

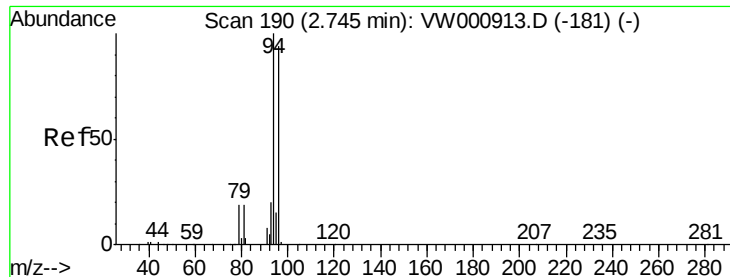
Tgt Ion: 62 Resp: 100096

Ion Ratio Lower Upper

62 100

64 31.2 25.6 38.4





#5

Bromomethane

Concen: 49.22 ug/l

RT: 2.75 min Scan# 190

Delta R.T. 0.00 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Instrument :

MSVOA_W

ClientSampleId :

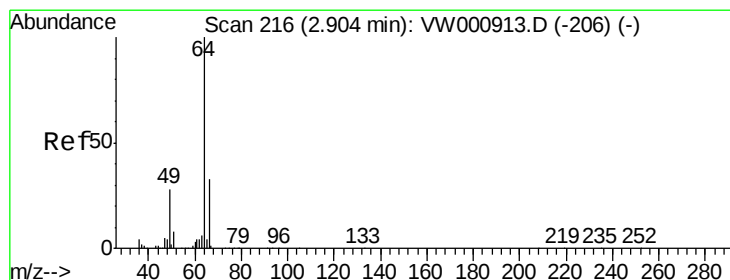
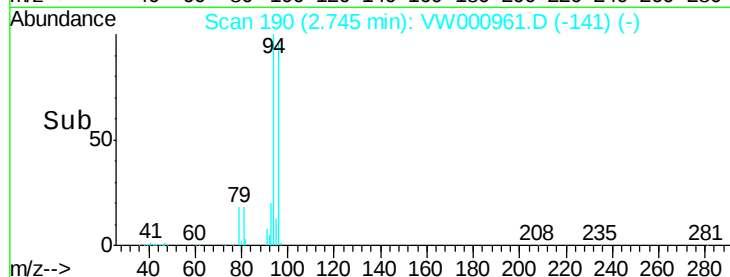
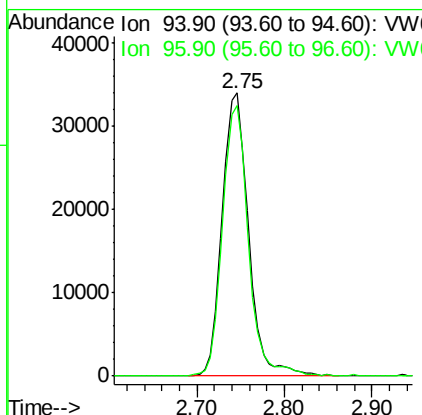
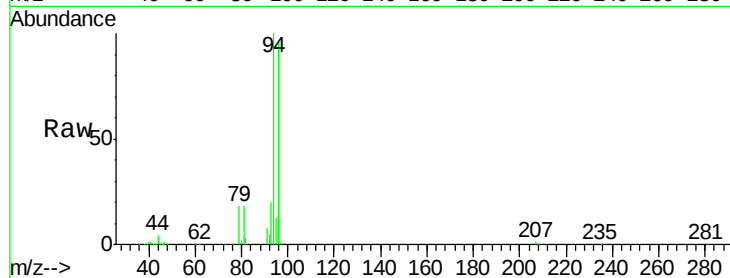
VSTDCCC050EC

Tgt Ion: 94 Resp: 71322

Ion Ratio Lower Upper

94 100

96 95.8 75.5 113.3



#6

Chloroethane

Concen: 44.80 ug/l

RT: 2.90 min Scan# 216

Delta R.T. 0.00 min

Lab File: VW000961.D

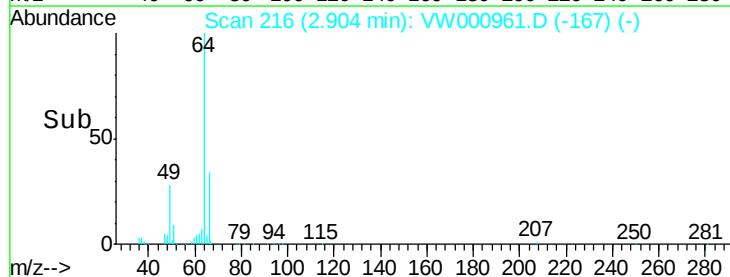
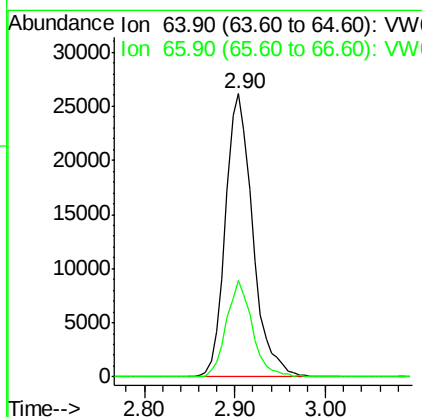
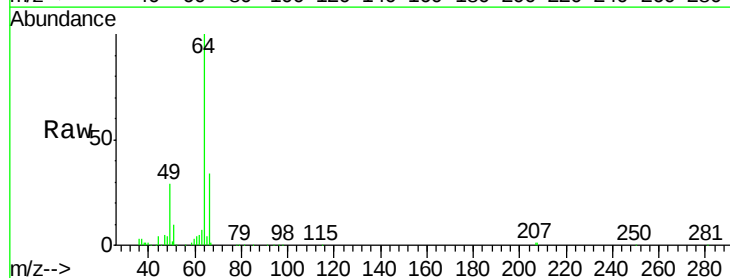
Acq: 24 Jan 2018 21:07

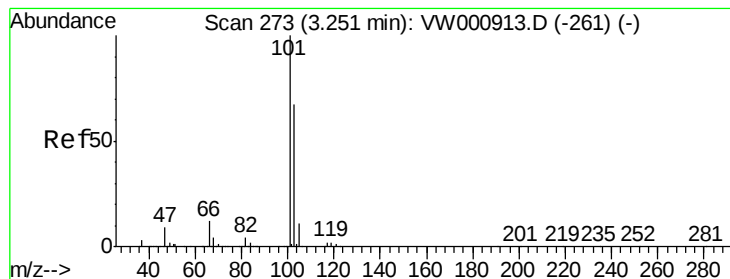
Tgt Ion: 64 Resp: 54676

Ion Ratio Lower Upper

64 100

66 33.7 26.1 39.1



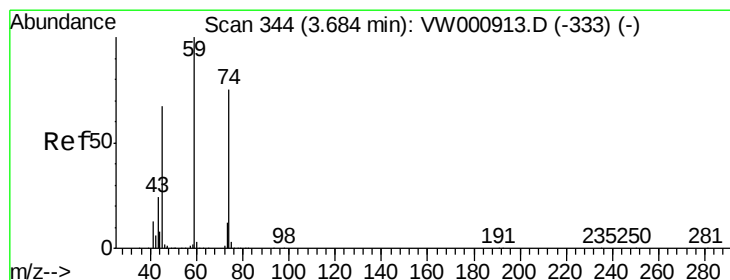
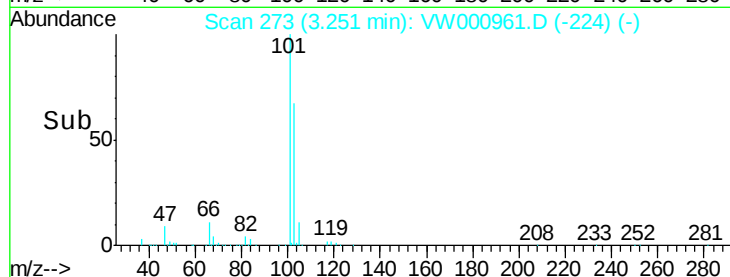
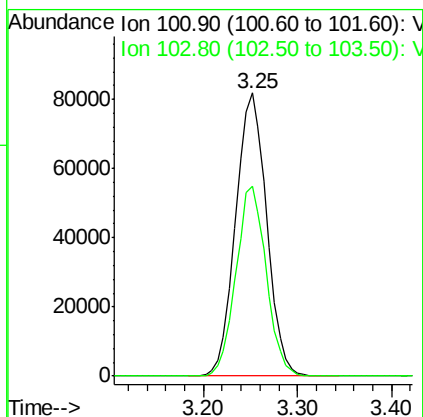
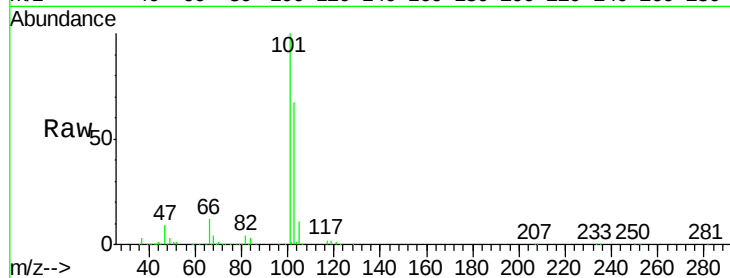


#7

Trichlorofluoromethane
 Concen: 46.51 ug/l
 RT: 3.25 min Scan# 273
 Delta R.T. 0.00 min
 Lab File: VW000961.D
 Acq: 24 Jan 2018 21:07

Instrument :
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 VSTDCCC050EC

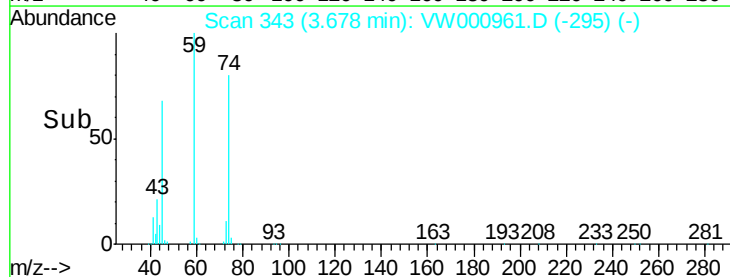
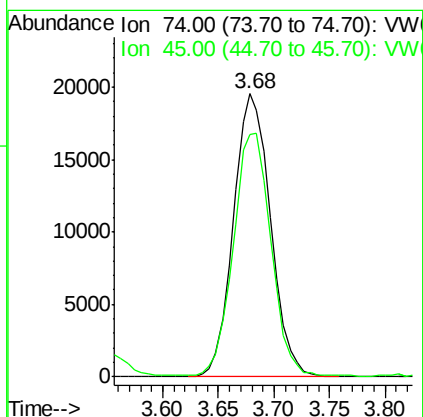
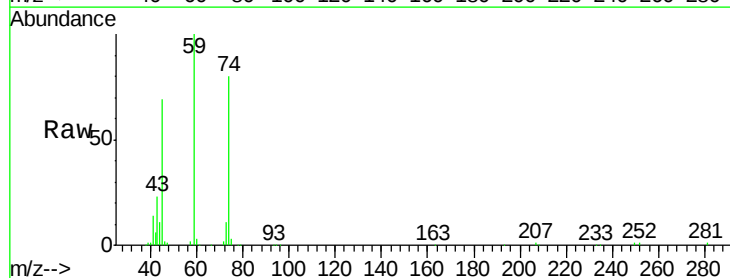
Tgt Ion: 101 Resp: 188077
 Ion Ratio Lower Upper
 101 100
 103 67.0 53.4 80.0

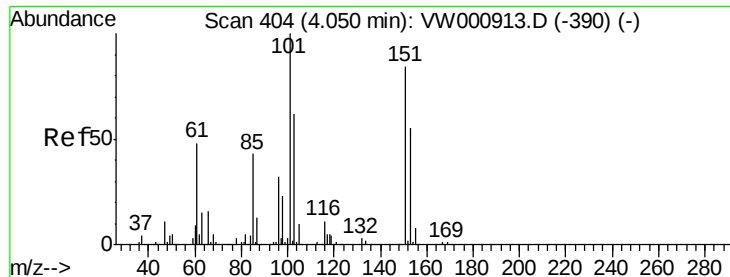


#8

Diethyl Ether
 Concen: 44.40 ug/l
 RT: 3.68 min Scan# 343
 Delta R.T. -0.01 min
 Lab File: VW000961.D
 Acq: 24 Jan 2018 21:07

Tgt Ion: 74 Resp: 44978
 Ion Ratio Lower Upper
 74 100
 45 87.3 44.7 134.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.83 ug/l

RT: 4.04 min Scan# 403

Delta R.T. -0.01 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

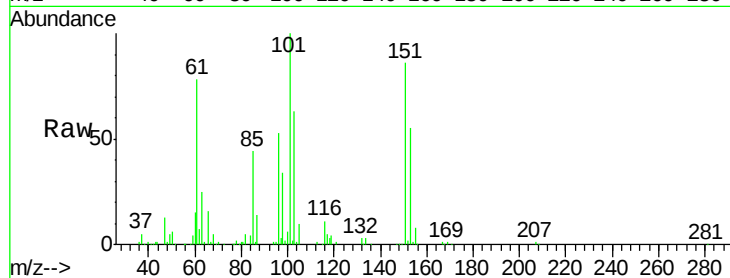
Tgt Ion:101 Resp: 132797

Ion Ratio Lower Upper

101 100

85 43.3 35.3 52.9

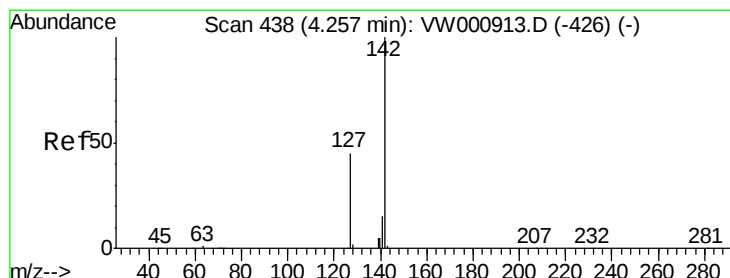
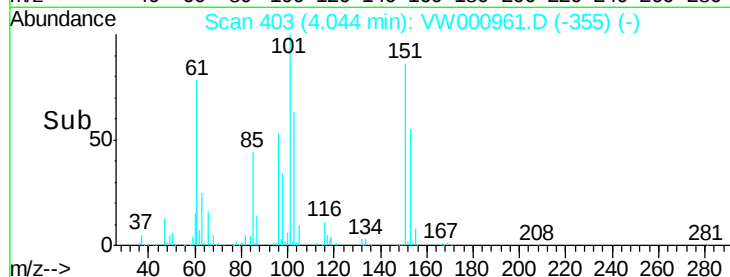
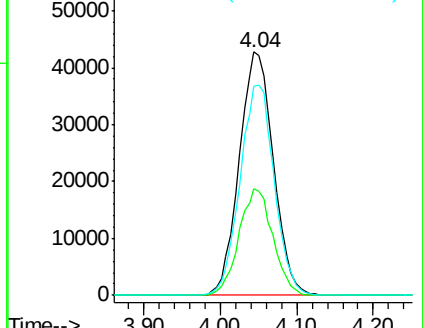
151 86.6 69.9 104.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 40.58 ug/l

RT: 4.26 min Scan# 438

Delta R.T. 0.00 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

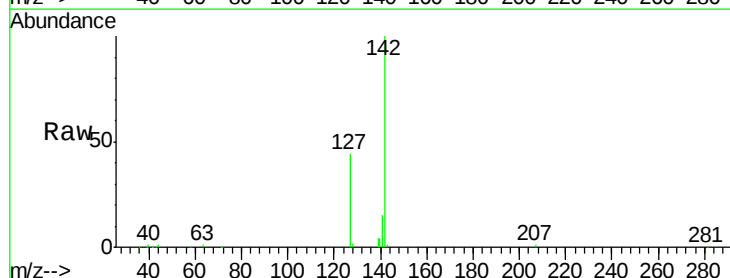
Tgt Ion:142 Resp: 109573

Ion Ratio Lower Upper

142 100

127 44.3 35.5 53.3

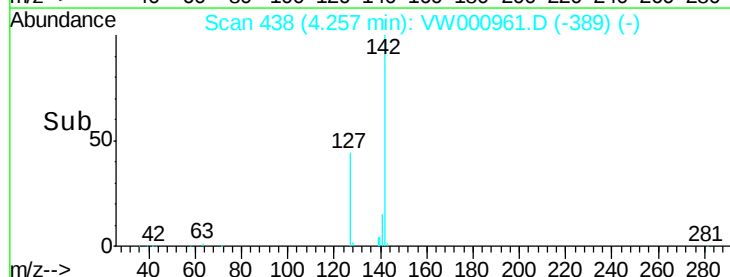
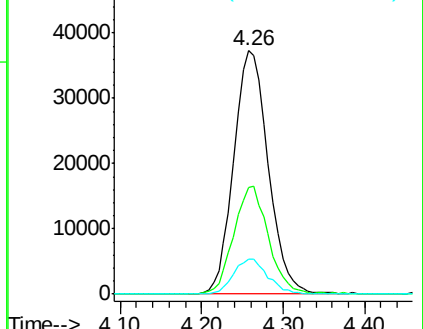
141 14.3 11.7 17.5

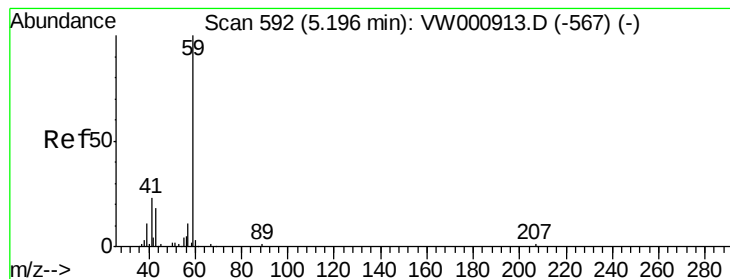


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



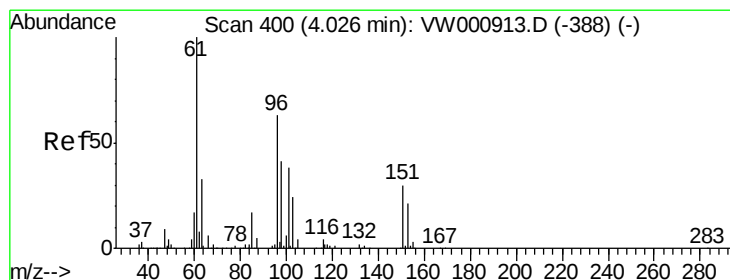
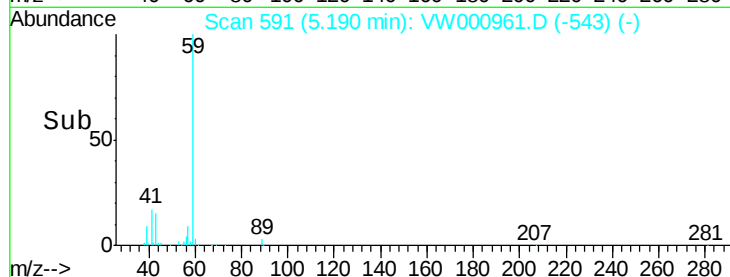
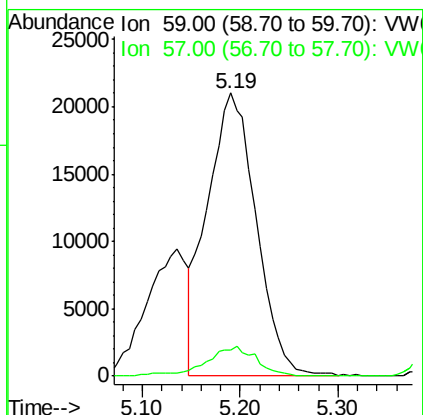
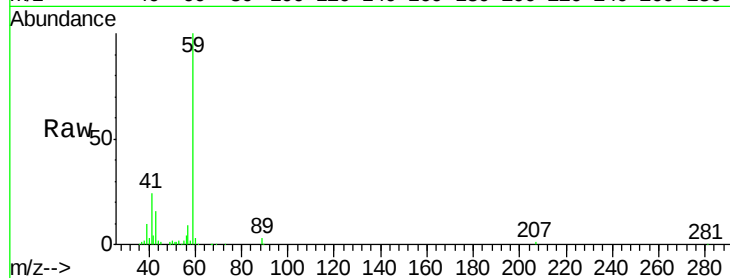


#11

Tert butyl alcohol
 Concen: 253.12 ug/l
 RT: 5.19 min Scan# 591
 Delta R.T. -0.01 min
 Lab File: VW000961.D
 Acq: 24 Jan 2018 21:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

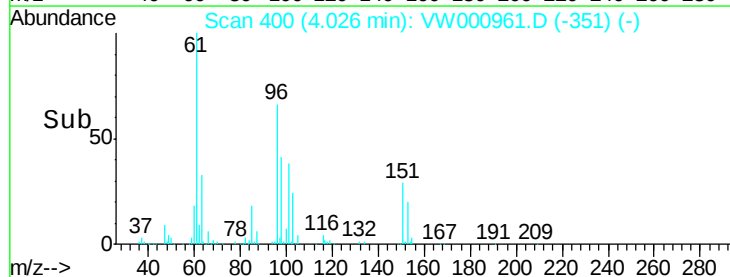
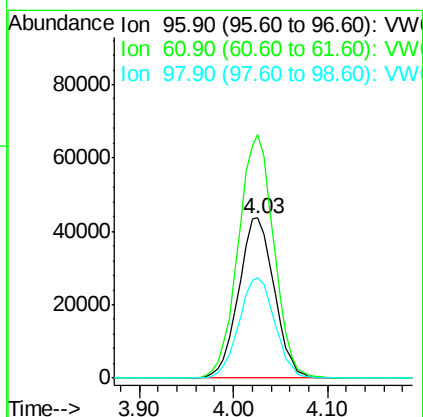
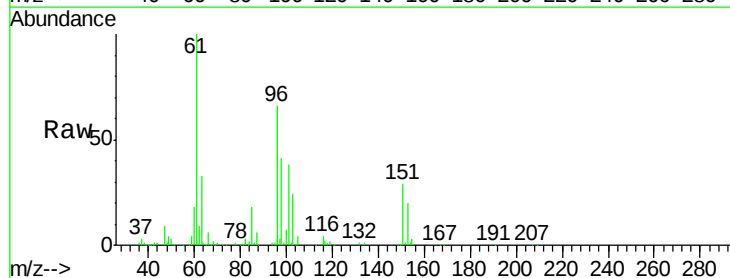
Tgt Ion: 59 Resp: 72902
 Ion Ratio Lower Upper
 59 100
 57 10.1 7.0 10.6

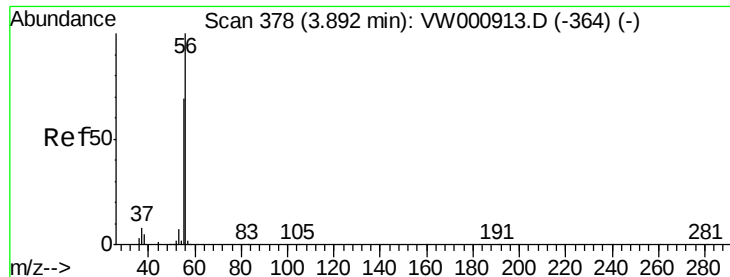


#12

1,1-Dichloroethene
 Concen: 51.17 ug/l
 RT: 4.03 min Scan# 400
 Delta R.T. 0.00 min
 Lab File: VW000961.D
 Acq: 24 Jan 2018 21:07

Tgt Ion: 96 Resp: 114899
 Ion Ratio Lower Upper
 96 100
 61 152.2 126.7 190.1
 98 62.8 52.1 78.1





#13

Acrolein

Concen: 228.40 ug/l

RT: 3.89 min Scan# 378

Delta R.T. 0.00 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Instrument :

MSVOA_W

ClientSampleId :

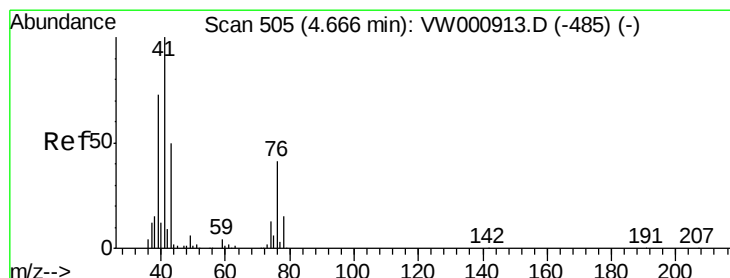
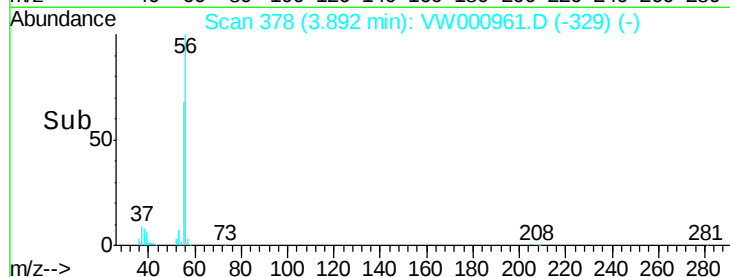
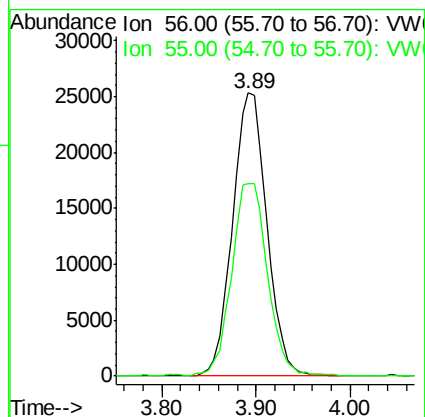
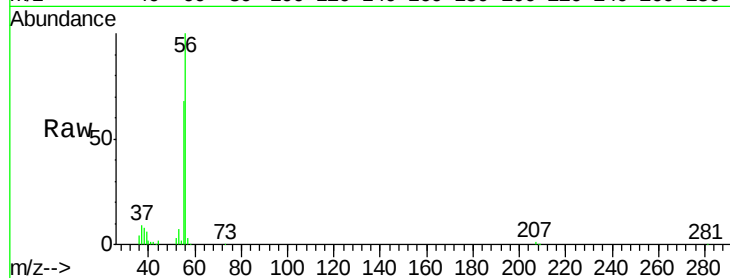
VSTDCCC050EC

Tgt Ion: 56 Resp: 64228

Ion Ratio Lower Upper

56 100

55 70.4 55.4 83.0



#14

Allyl chloride

Concen: 46.42 ug/l

RT: 4.66 min Scan# 504

Delta R.T. -0.01 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

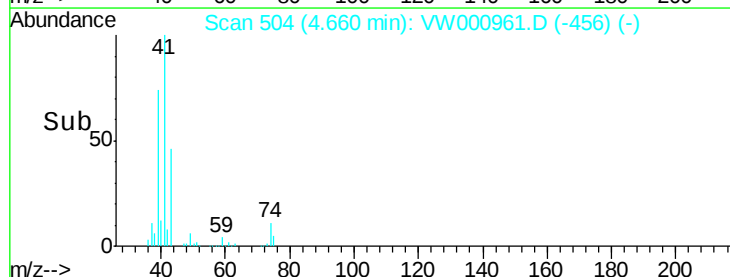
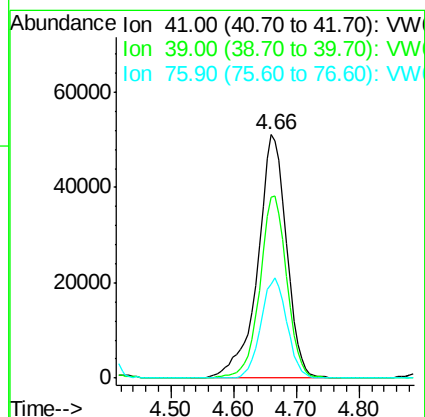
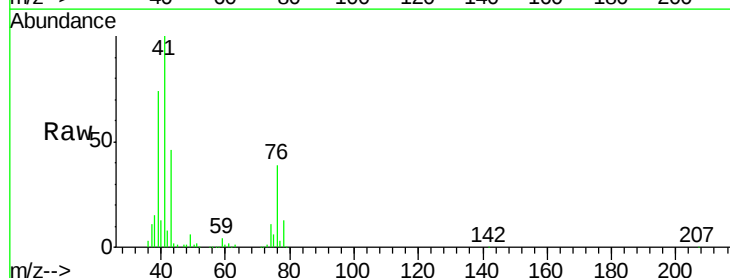
Tgt Ion: 41 Resp: 162396

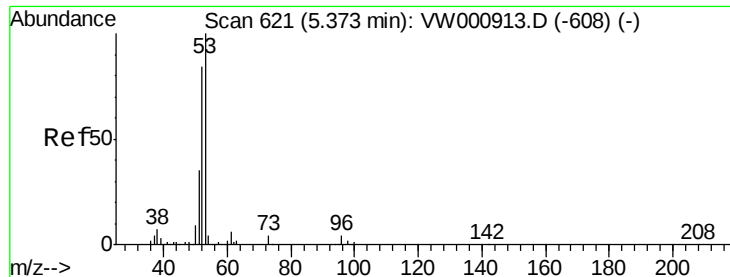
Ion Ratio Lower Upper

41 100

39 70.2 55.3 82.9

76 37.0 29.9 44.9





#15

Acrylonitrile

Concen: 246.13 ug/l

RT: 5.37 min Scan# 621

Delta R.T. 0.00 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

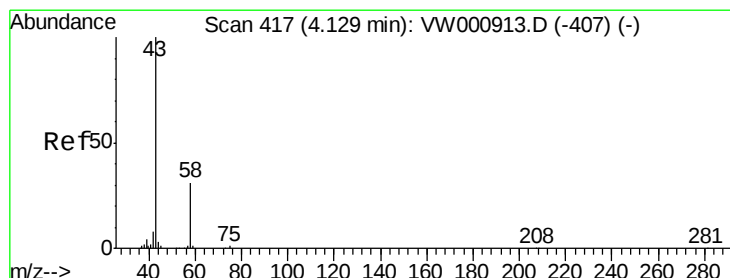
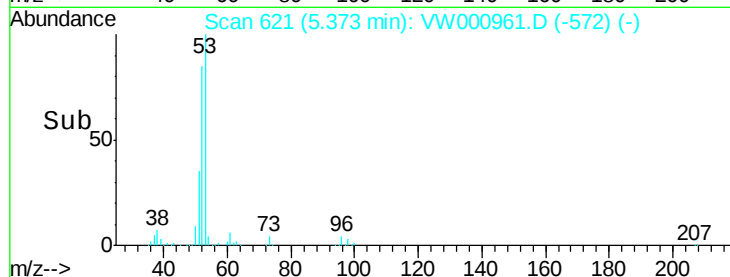
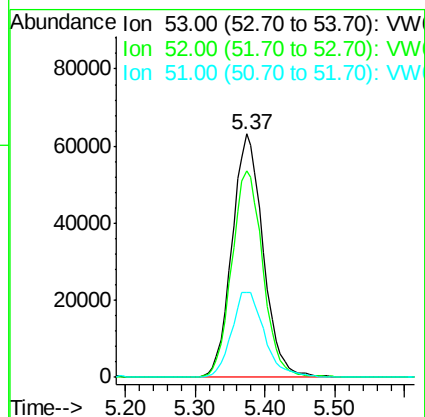
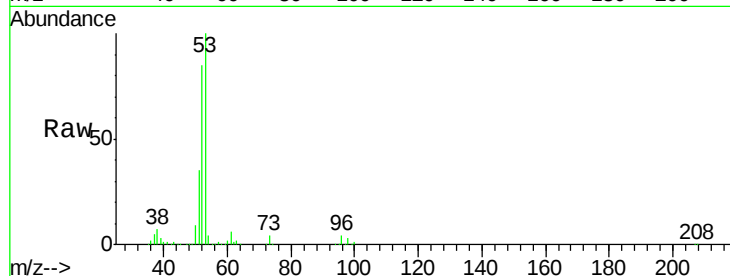
Tgt Ion: 53 Resp: 194750

Ion Ratio Lower Upper

53 100

52 84.8 66.6 99.8

51 37.2 29.4 44.0



#16

Acetone

Concen: 209.26 ug/l

RT: 4.13 min Scan# 417

Delta R.T. 0.00 min

Lab File: VW000961.D

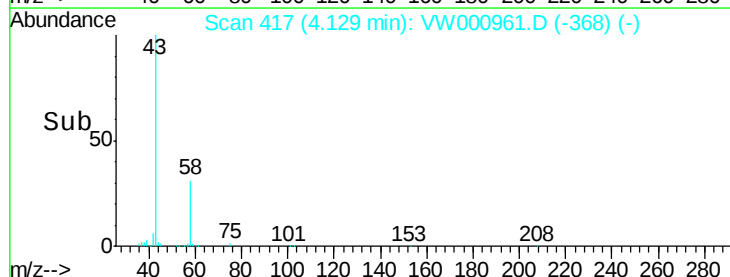
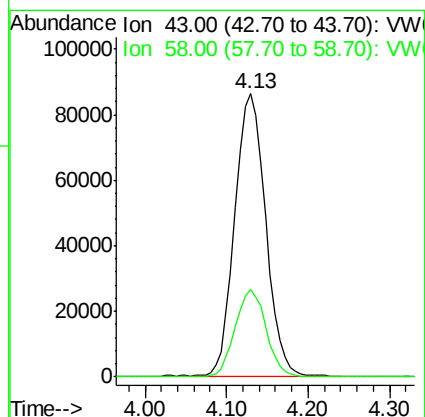
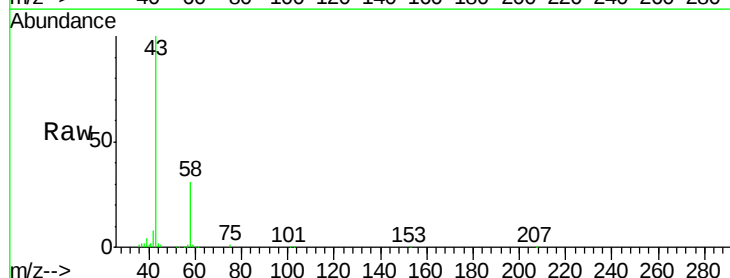
Acq: 24 Jan 2018 21:07

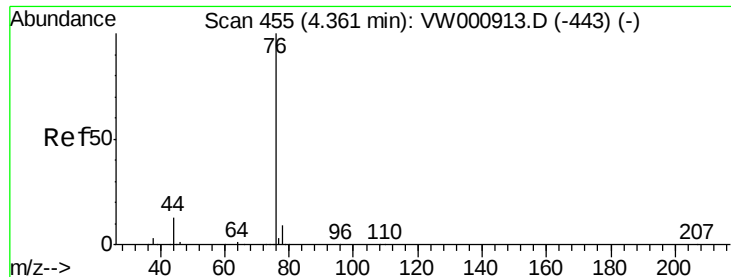
Tgt Ion: 43 Resp: 224980

Ion Ratio Lower Upper

43 100

58 31.0 24.9 37.3

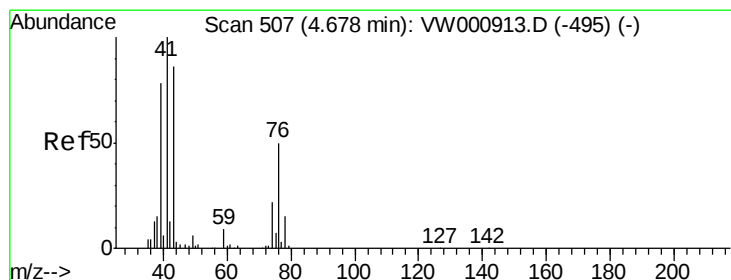
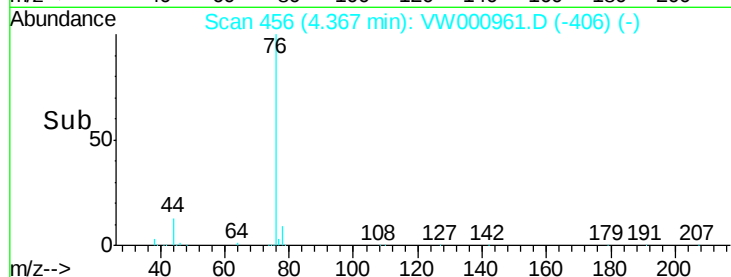
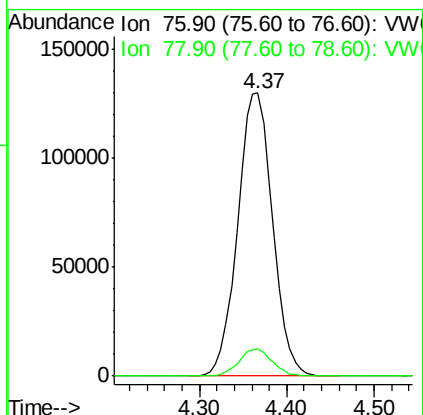
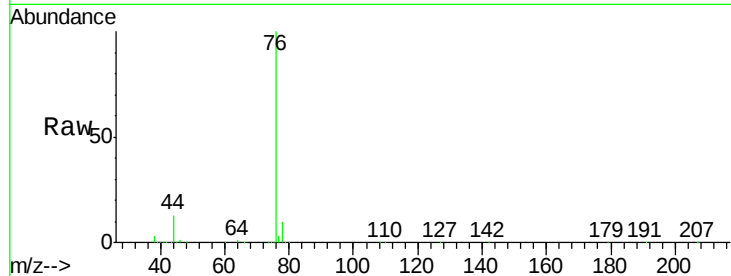




#17
Carbon Disulfide
Concen: 48.45 ug/l
RT: 4.37 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

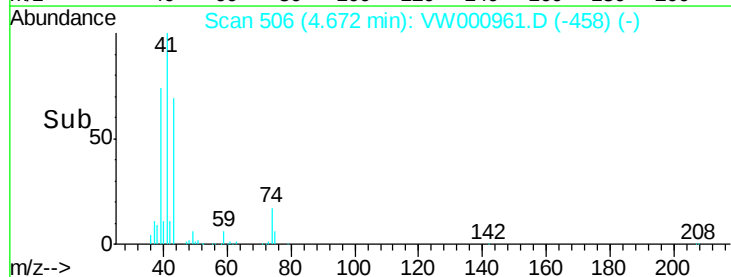
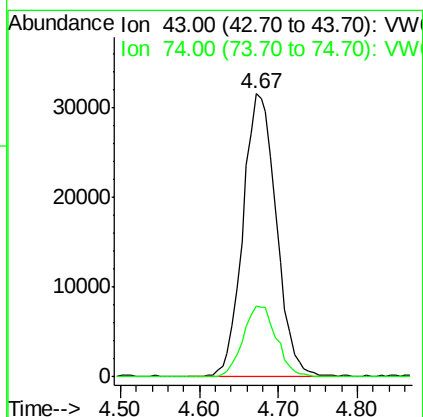
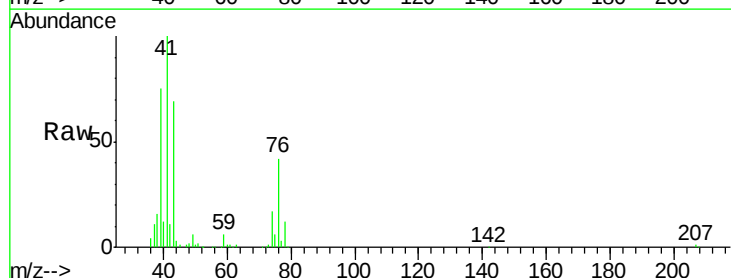
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

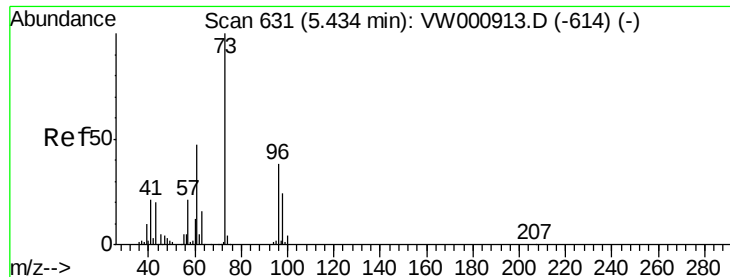
Tgt Ion: 76 Resp: 359314
Ion Ratio Lower Upper
76 100
78 9.6 7.4 11.2



#18
Methyl Acetate
Concen: 47.65 ug/l
RT: 4.67 min Scan# 506
Delta R.T. -0.01 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

Tgt Ion: 43 Resp: 93091
Ion Ratio Lower Upper
43 100
74 25.1 20.5 30.7

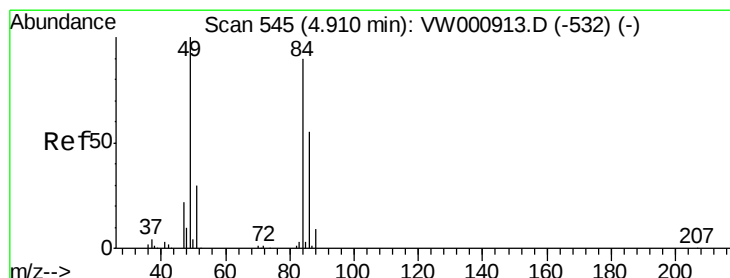
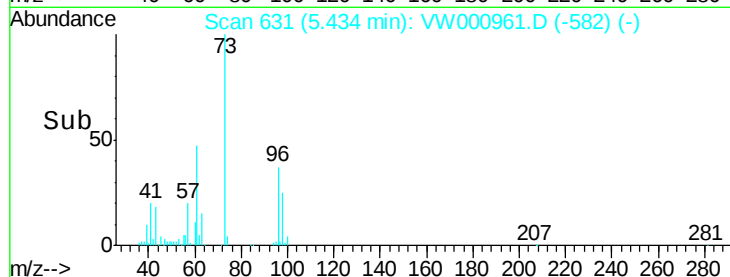
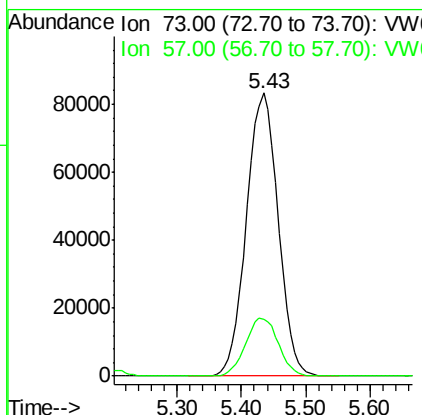
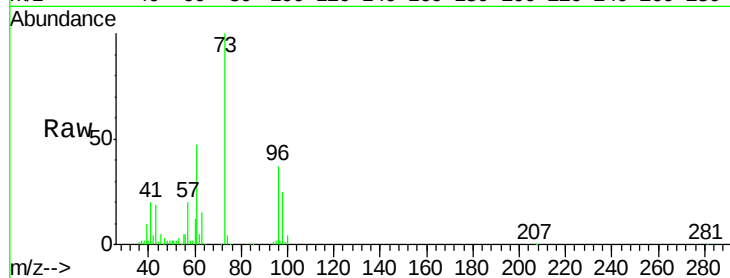




#19
Methyl tert-butyl Ether
Concen: 48.92 ug/l
RT: 5.43 min Scan# 631
Delta R.T. 0.00 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

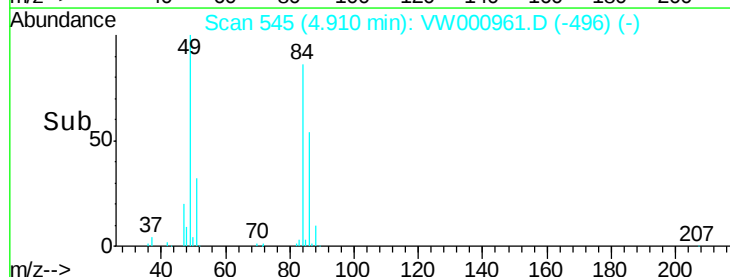
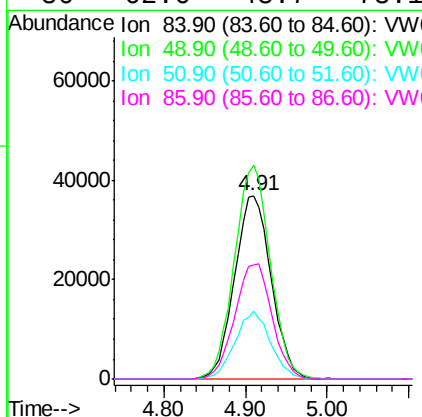
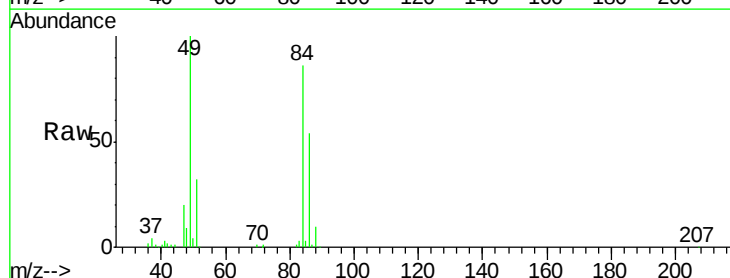
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

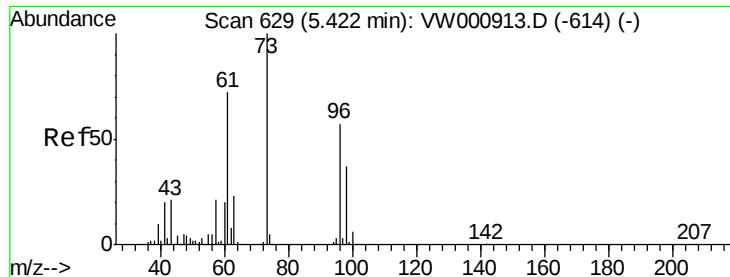
Tgt Ion: 73 Resp: 282197
Ion Ratio Lower Upper
73 100
57 19.9 16.7 25.1



#20
Methylene Chloride
Concen: 47.97 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

Tgt Ion: 84 Resp: 115038
Ion Ratio Lower Upper
84 100
49 116.7 89.0 133.4
51 37.1 26.7 40.1
86 62.6 48.7 73.1





#21

trans-1,2-Dichloroethene

Concen: 47.44 ug/l

RT: 5.42 min Scan# 629

Delta R.T. 0.00 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

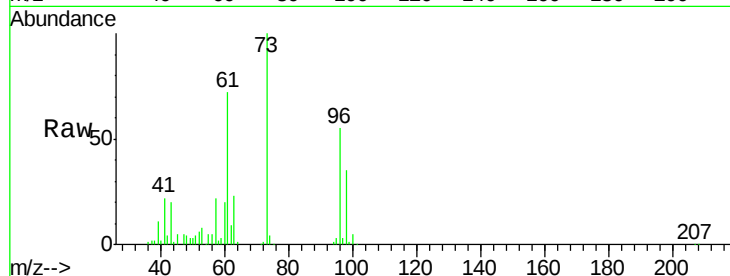
Tgt Ion: 96 Resp: 123770

Ion Ratio Lower Upper

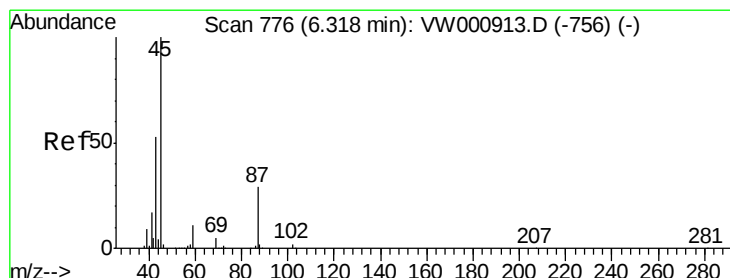
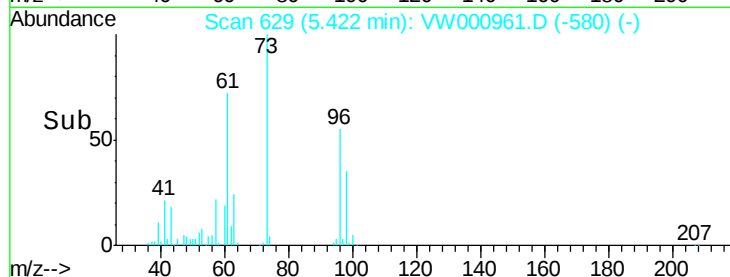
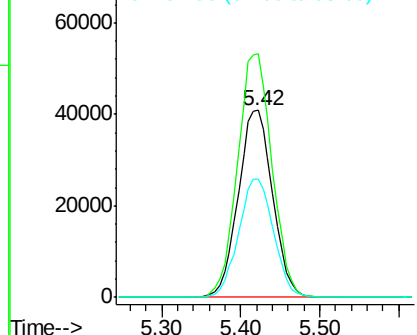
96 100

61 130.2 101.1 151.7

98 63.0 52.2 78.2



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 48.72 ug/l

RT: 6.32 min Scan# 776

Delta R.T. 0.00 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Tgt Ion: 45 Resp: 305187

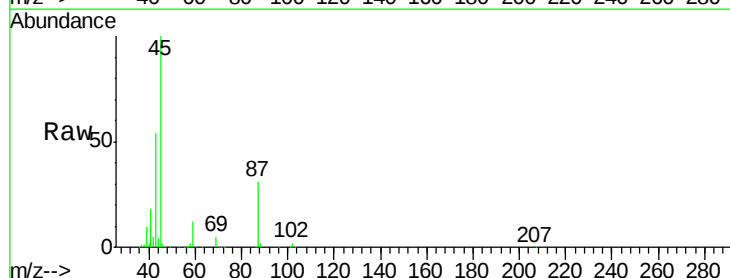
Ion Ratio Lower Upper

45 100

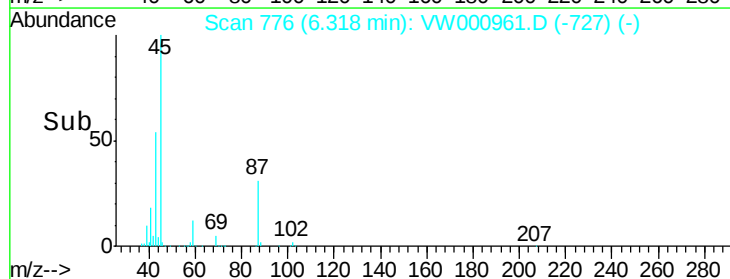
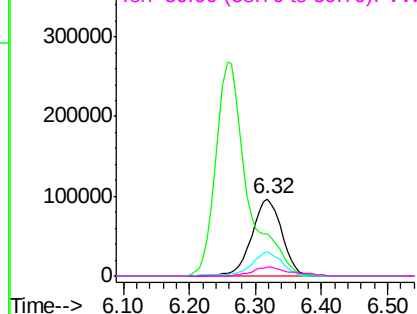
43 53.8 42.7 64.1

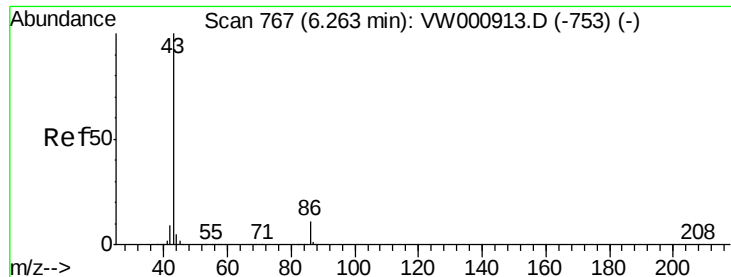
87 31.1 23.8 35.8

59 11.9 9.0 13.6



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 227.05 ug/l

RT: 6.26 min Scan# 766

Delta R.T. -0.01 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Instrument :

MSVOA_W

ClientSampleId :

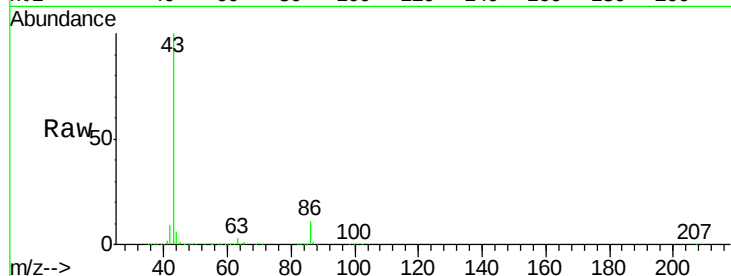
VSTDCCC050EC

Tgt Ion: 43 Resp: 883698

Ion Ratio Lower Upper

43 100

86 10.8 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

300000

250000

200000

150000

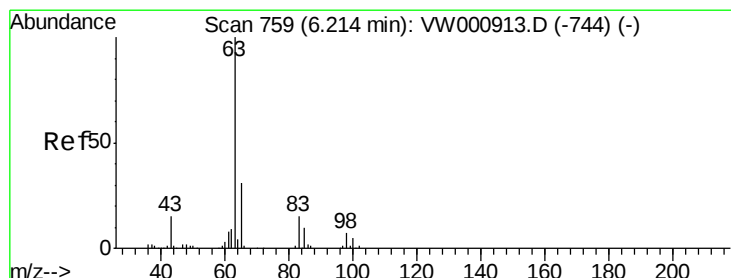
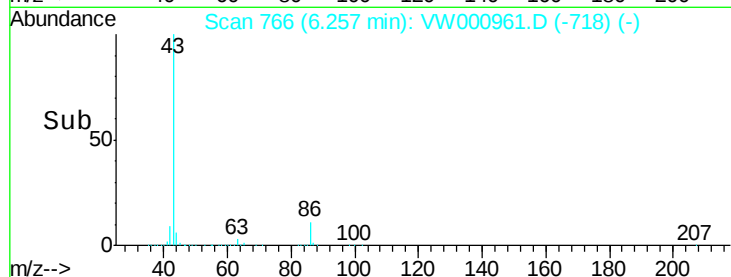
100000

50000

0

6.10 6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 47.09 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

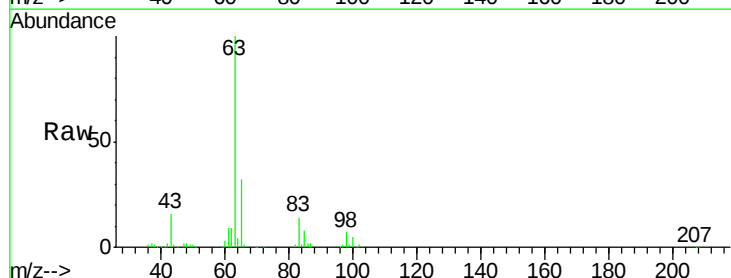
Tgt Ion: 63 Resp: 197446

Ion Ratio Lower Upper

63 100

98 6.9 3.6 10.8

100 4.8 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

80000

60000

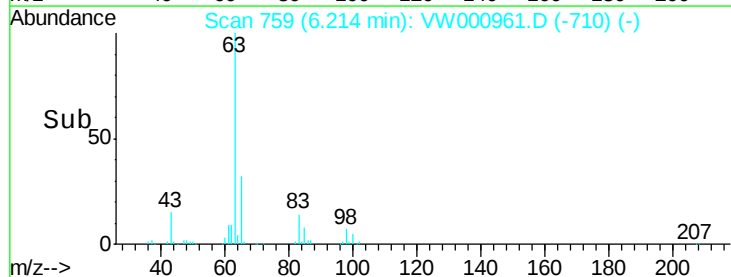
40000

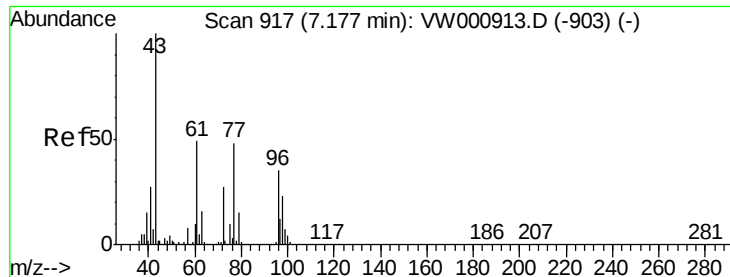
20000

0

6.10 6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 245.35 ug/l

RT: 7.18 min Scan# 917

Delta R.T. 0.00 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Instrument :

MSVOA_W

ClientSampleId :

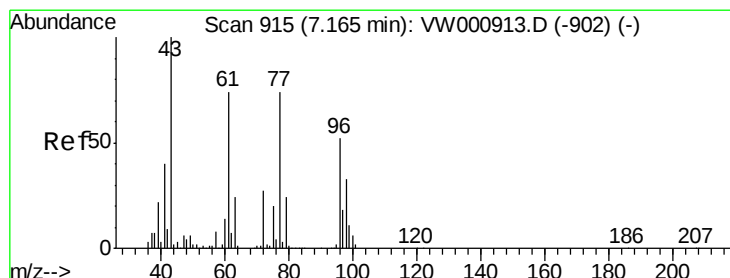
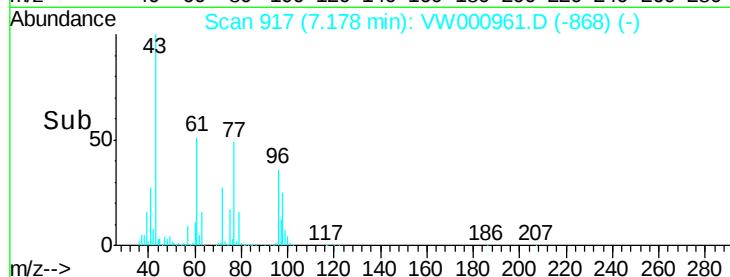
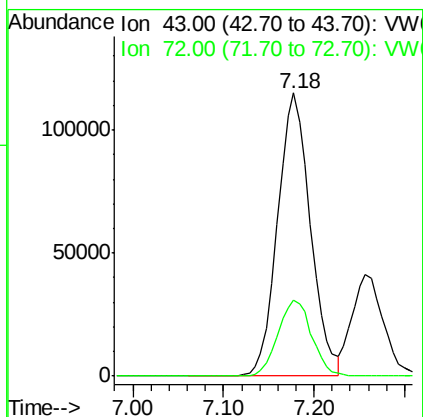
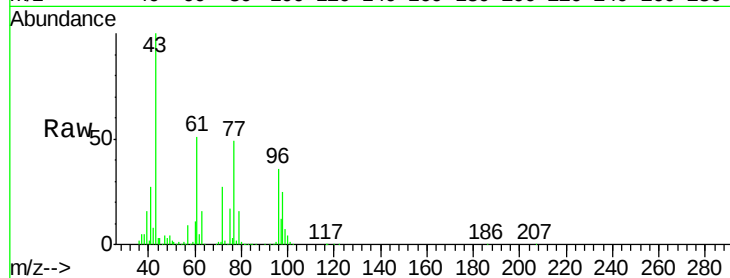
VSTDCCC050EC

Tgt Ion: 43 Resp: 288275

Ion Ratio Lower Upper

43 100

72 26.9 21.5 32.3



#26

2,2-Dichloropropane

Concen: 45.53 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW000961.D

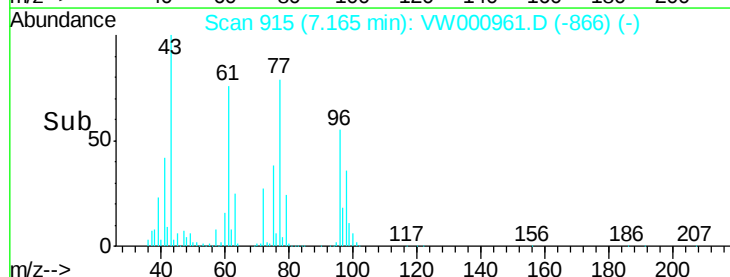
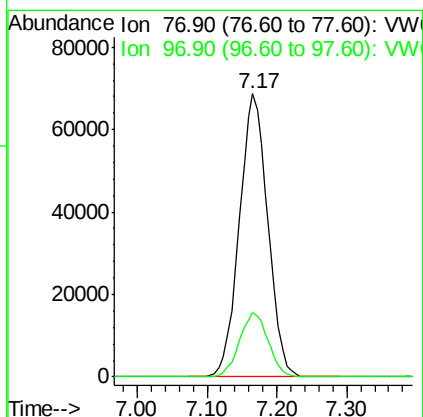
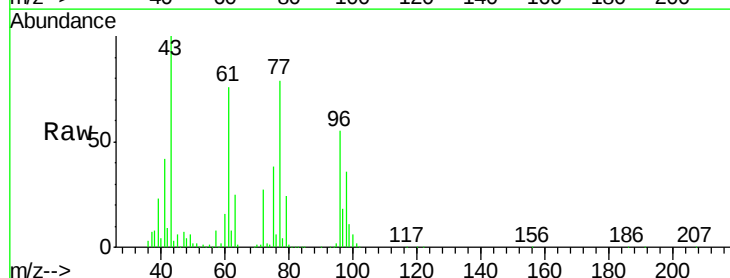
Acq: 24 Jan 2018 21:07

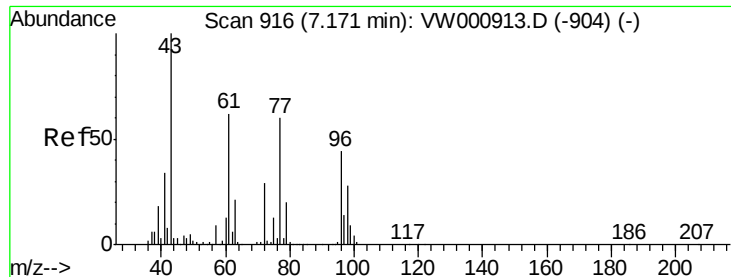
Tgt Ion: 77 Resp: 193246

Ion Ratio Lower Upper

77 100

97 22.9 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 46.59 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.01 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

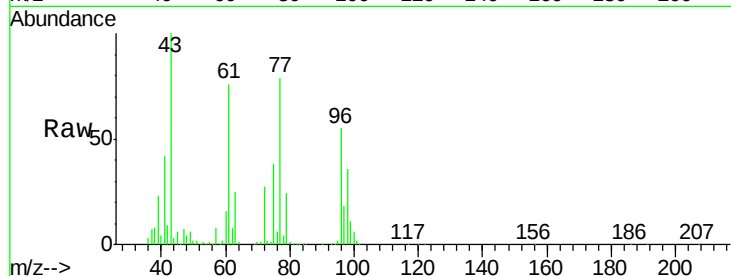
Tgt Ion: 96 Resp: 125614

Ion Ratio Lower Upper

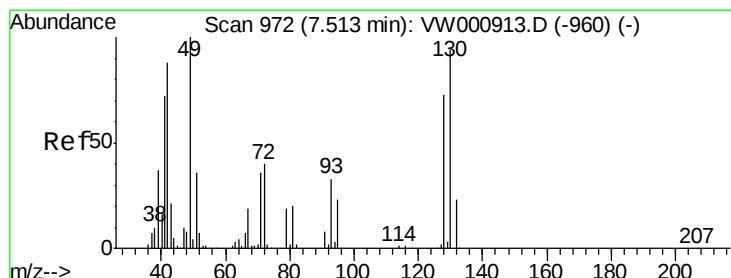
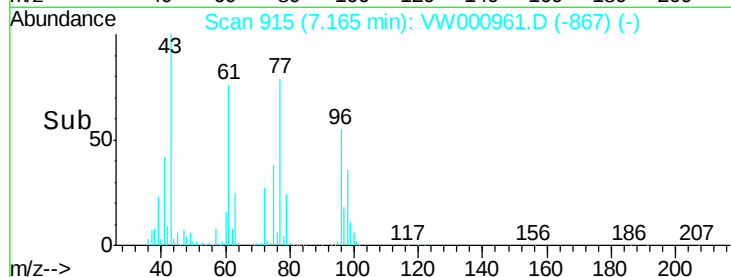
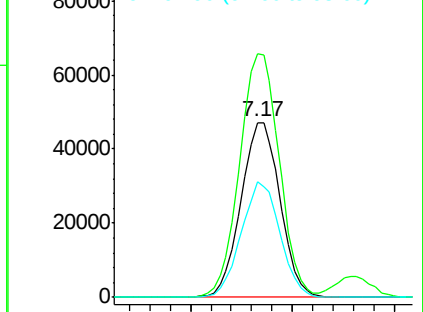
96 100

61 141.6 0.0 279.8

98 65.5 0.0 127.6



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane

Concen: 45.94 ug/l

RT: 7.51 min Scan# 972

Delta R.T. 0.00 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

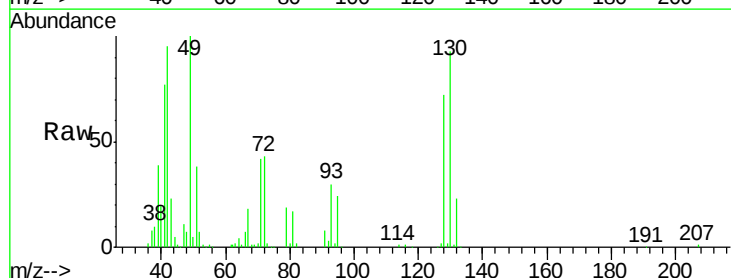
Tgt Ion: 49 Resp: 80911

Ion Ratio Lower Upper

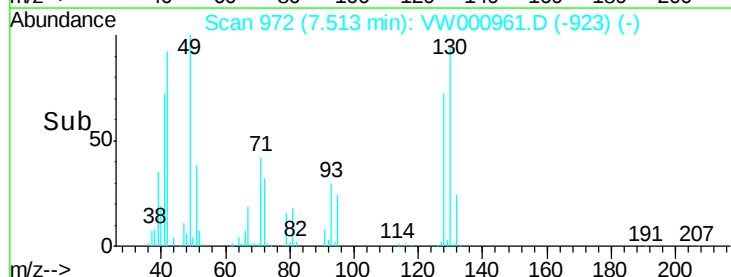
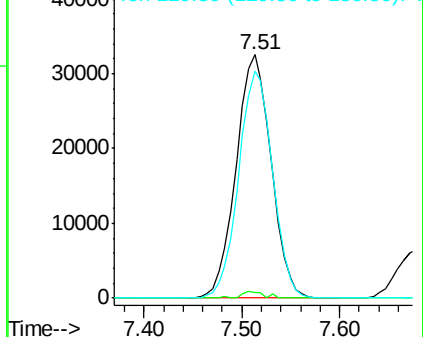
49 100

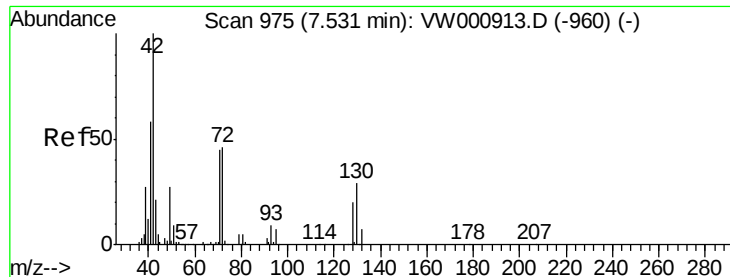
129 1.6 0.0 2.8

130 90.2 73.8 110.6



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 255.55 ug/l

RT: 7.53 min Scan# 975

Delta R.T. 0.00 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

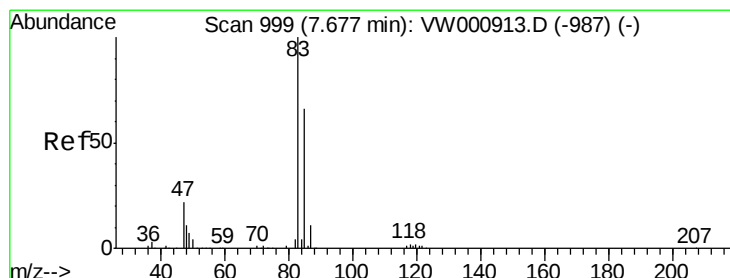
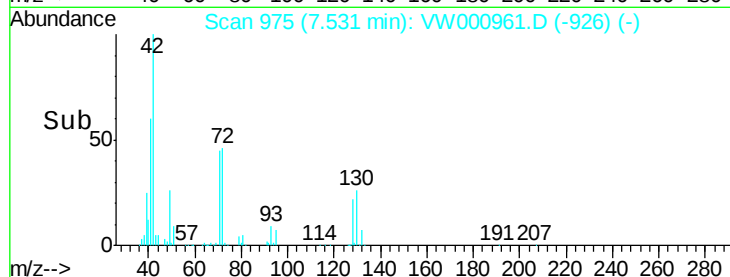
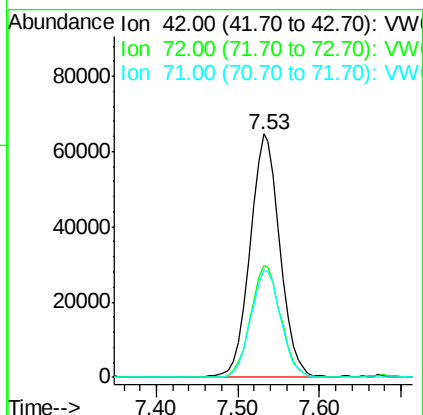
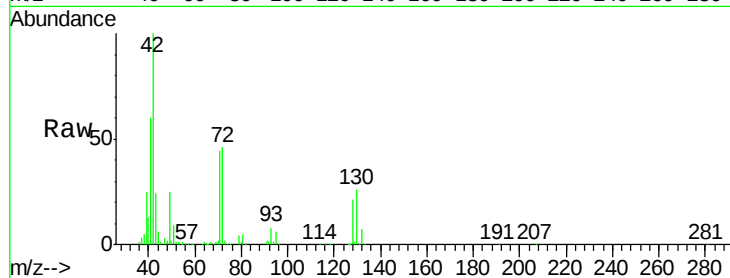
Tgt Ion: 42 Resp: 165209

Ion Ratio Lower Upper

42 100

72 46.3 37.1 55.7

71 44.4 34.9 52.3



#30

Chloroform

Concen: 45.95 ug/l

RT: 7.68 min Scan# 999

Delta R.T. 0.00 min

Lab File: VW000961.D

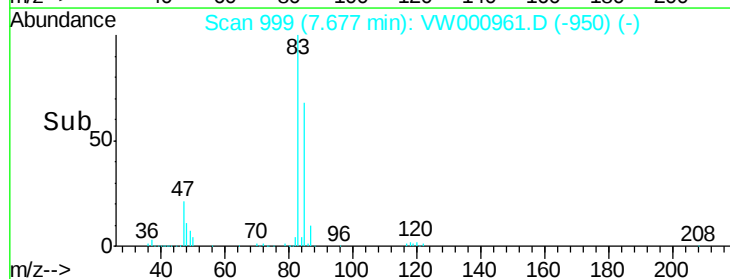
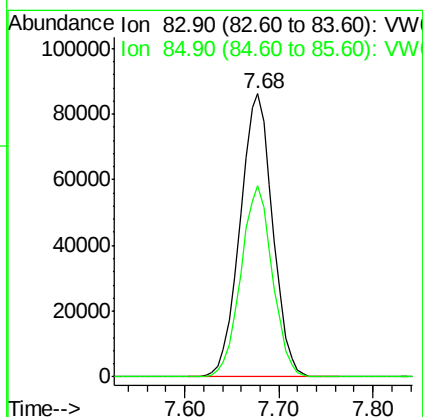
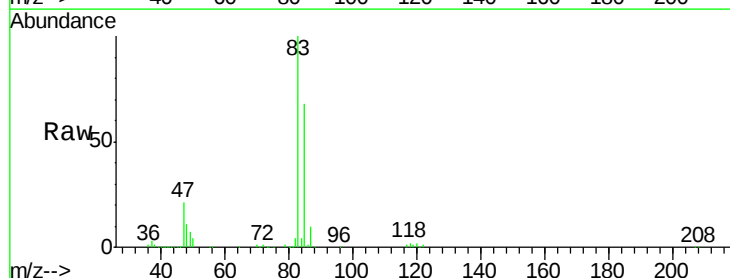
Acq: 24 Jan 2018 21:07

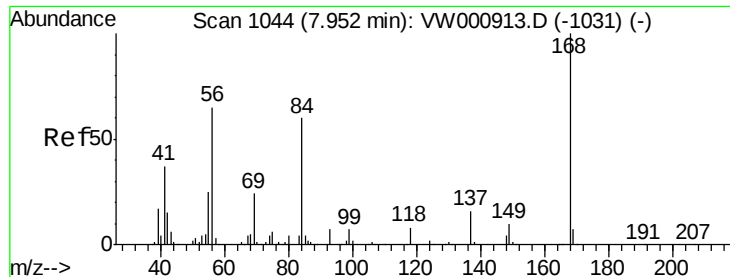
Tgt Ion: 83 Resp: 207821

Ion Ratio Lower Upper

83 100

85 67.7 52.5 78.7





#31

Cyclohexane

Concen: 46.43 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

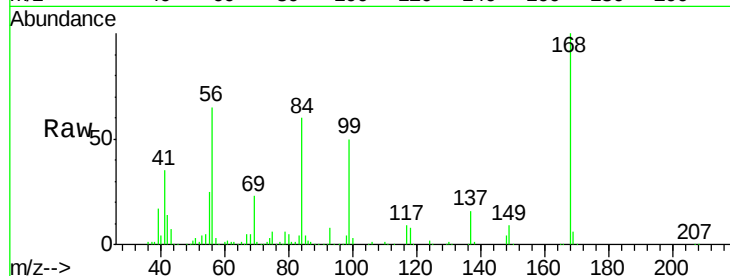
Tgt Ion: 56 Resp: 200954

Ion Ratio Lower Upper

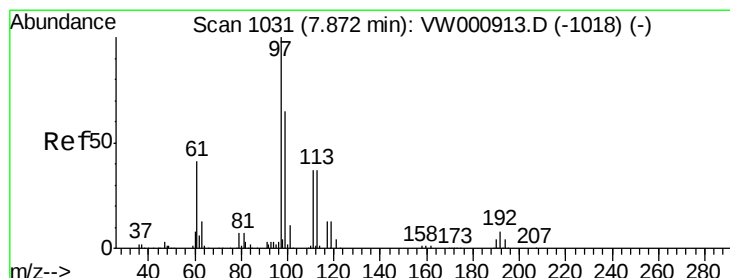
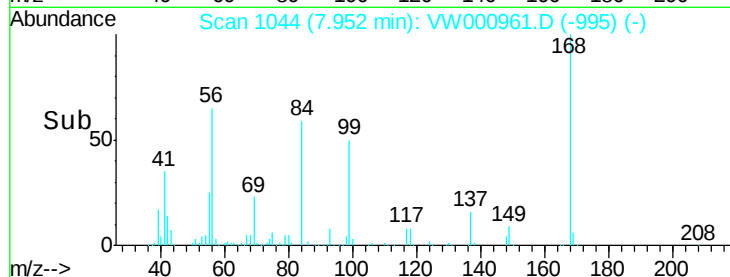
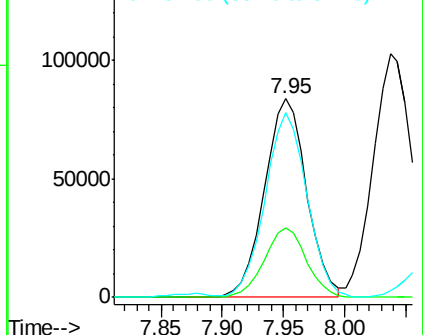
56 100

69 34.9 29.2 43.8

84 91.6 73.6 110.4



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 47.03 ug/l

RT: 7.87 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

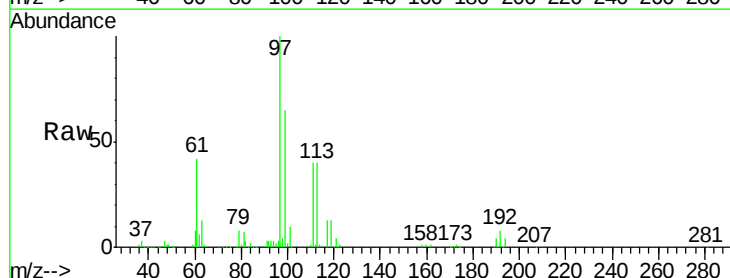
Tgt Ion: 97 Resp: 205532

Ion Ratio Lower Upper

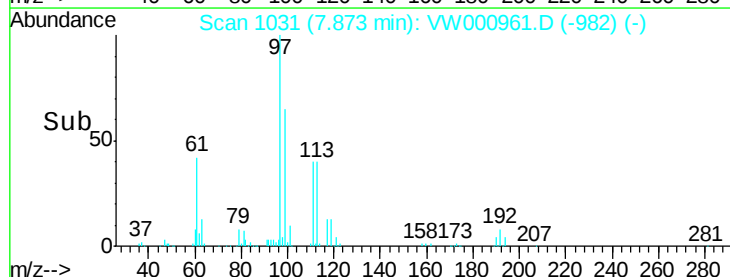
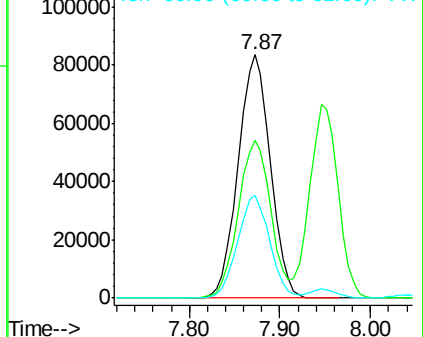
97 100

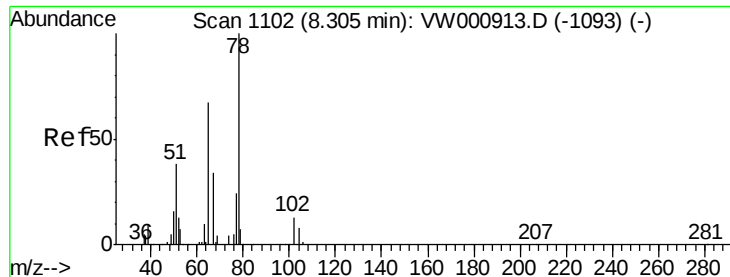
99 65.5 52.6 78.8

61 42.1 32.9 49.3



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW





#33

1,2-Dichloroethane-d4

Concen: 45.43 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Instrument :

MSVOA_W

ClientSampleId :

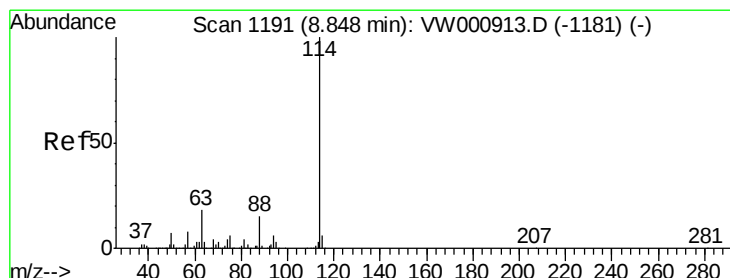
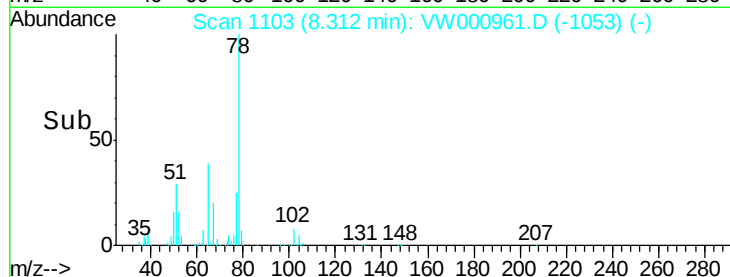
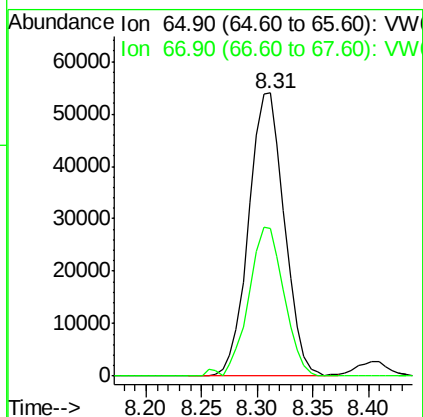
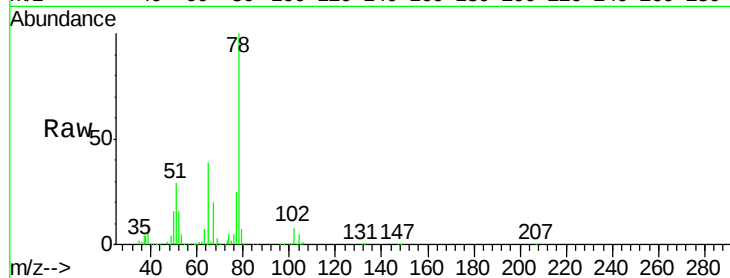
VSTDCCC050EC

Tgt Ion: 65 Resp: 120668

Ion Ratio Lower Upper

65 100

67 52.4 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

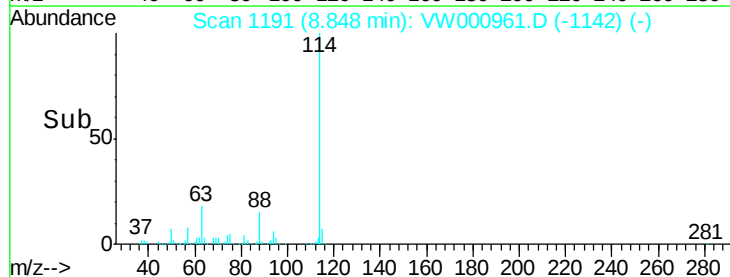
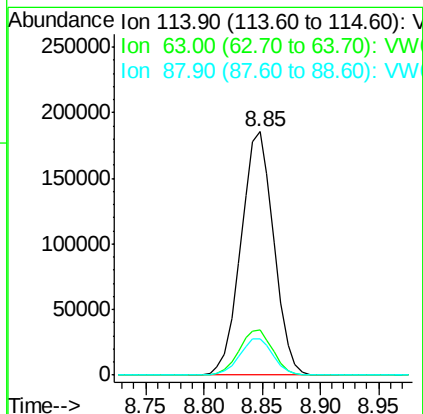
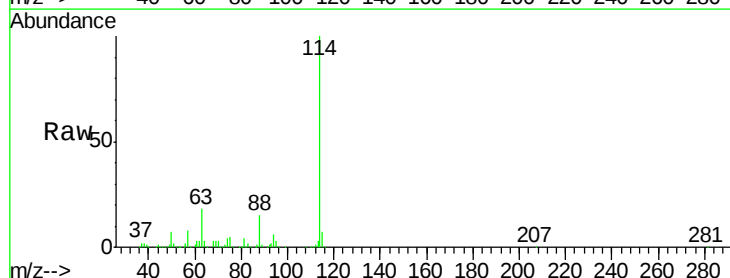
Tgt Ion: 114 Resp: 365168

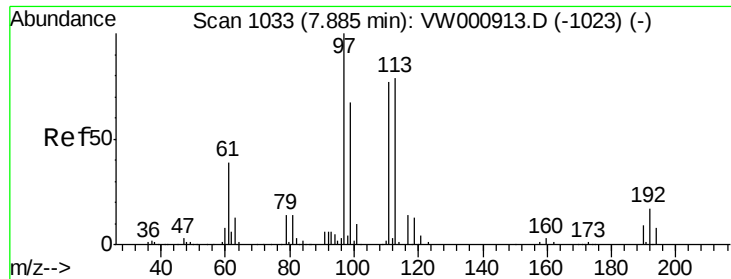
Ion Ratio Lower Upper

114 100

63 18.5 0.0 36.8

88 15.1 0.0 29.8

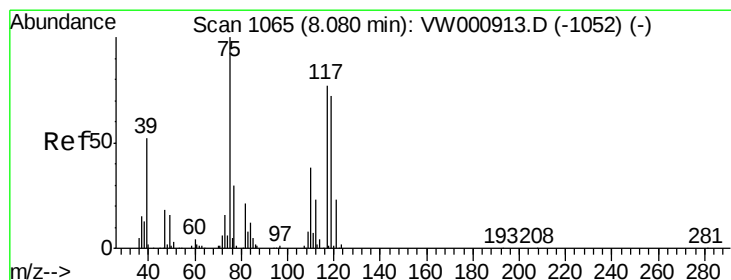
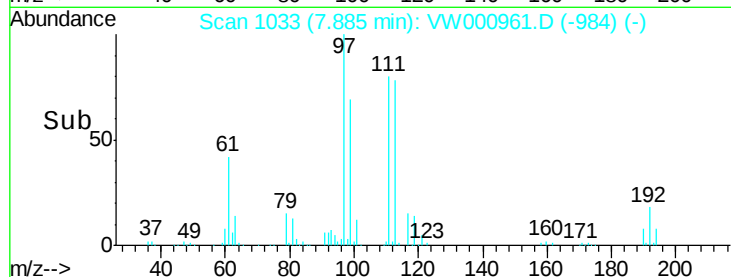
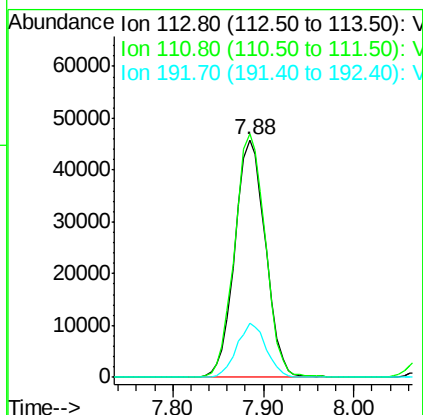
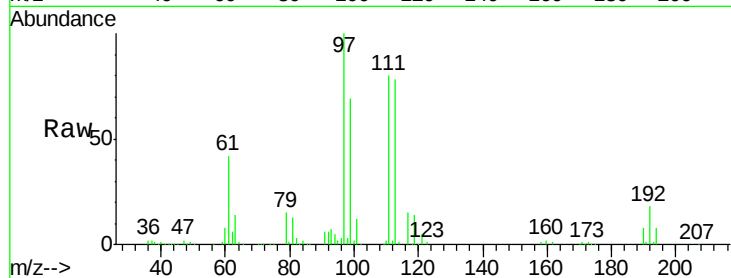




#35
 Dibromofluoromethane
 Concen: 48.11 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW000961.D
 Acq: 24 Jan 2018 21:07

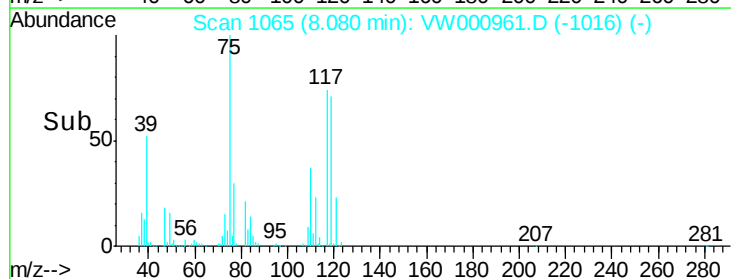
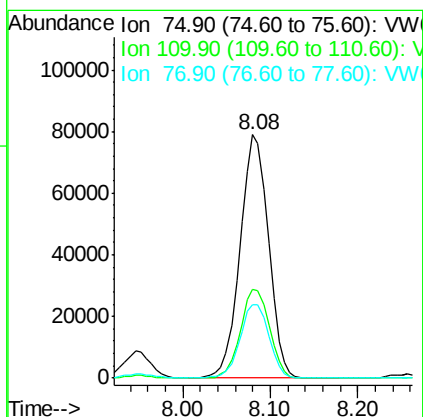
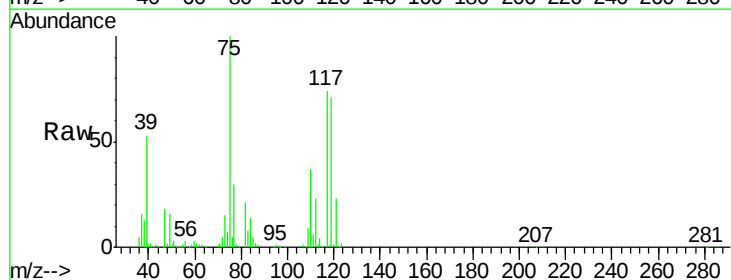
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

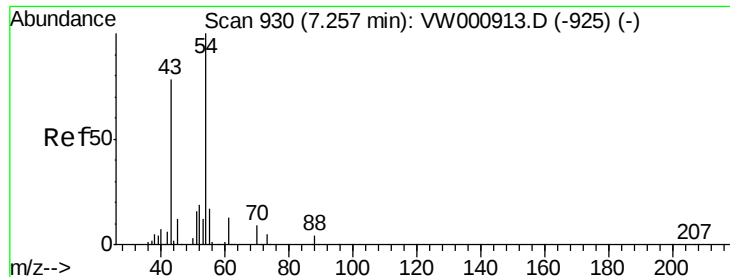
Tgt Ion: 113 Resp: 107634
 Ion Ratio Lower Upper
 113 100
 111 102.4 80.4 120.6
 192 21.7 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 51.27 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. 0.00 min
 Lab File: VW000961.D
 Acq: 24 Jan 2018 21:07

Tgt Ion: 75 Resp: 178619
 Ion Ratio Lower Upper
 75 100
 110 37.1 18.6 56.0
 77 30.9 24.6 36.8

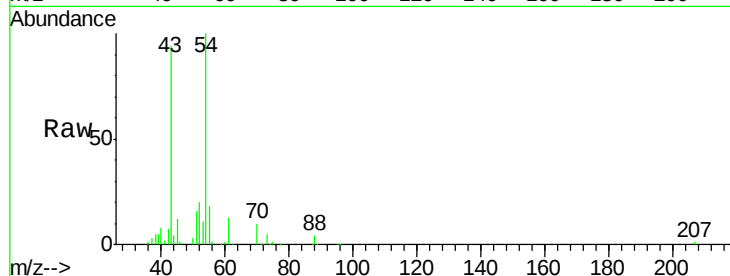




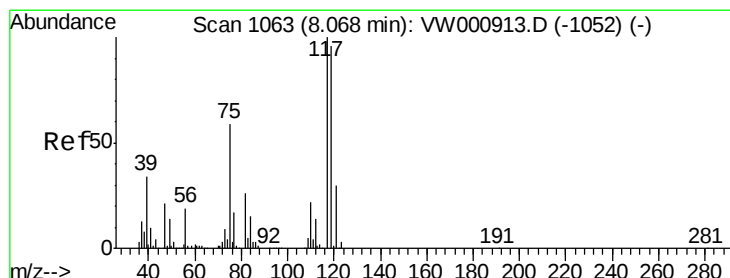
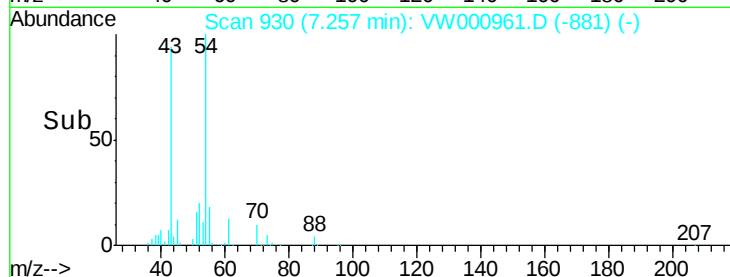
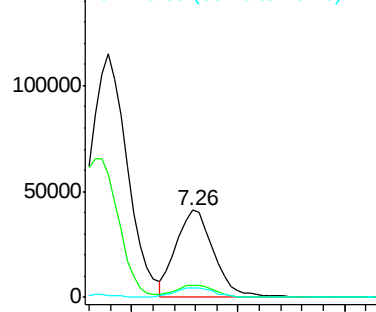
#37
Ethyl Acetate
Concen: 51.01 ug/l
RT: 7.26 min Scan# 930
Delta R.T. 0.00 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 100324
Ion Ratio Lower Upper
43 100
61 14.4 12.1 18.1
70 11.4 9.1 13.7

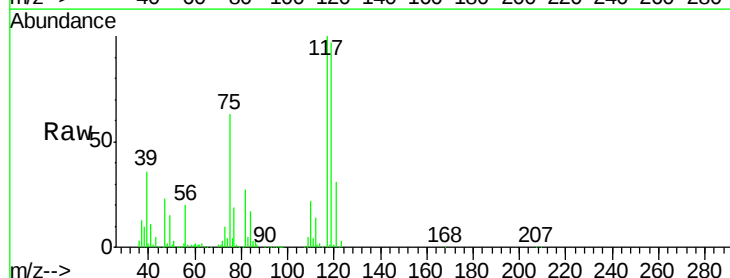


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

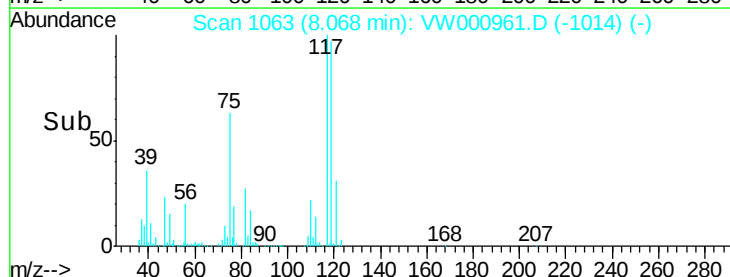
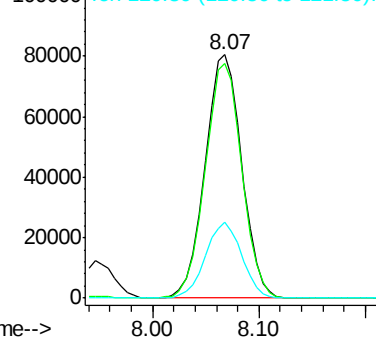


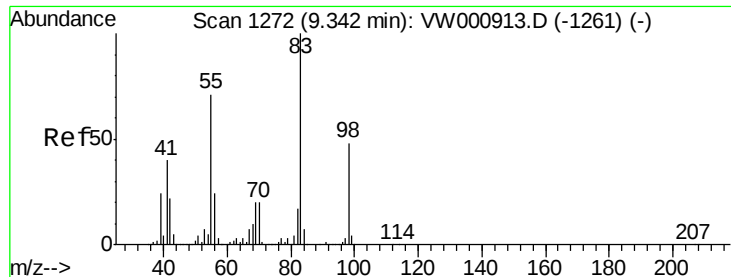
#38
Carbon Tetrachloride
Concen: 50.73 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

Tgt Ion: 117 Resp: 194980
Ion Ratio Lower Upper
117 100
119 96.6 76.5 114.7
121 31.0 24.3 36.5



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

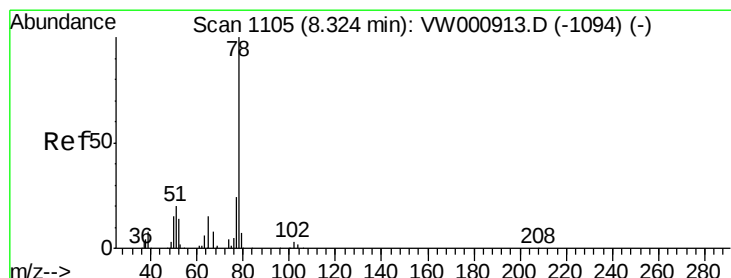
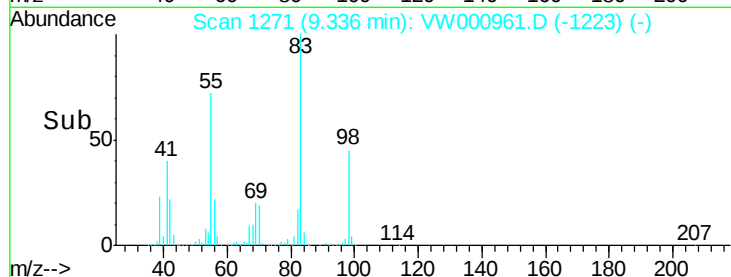
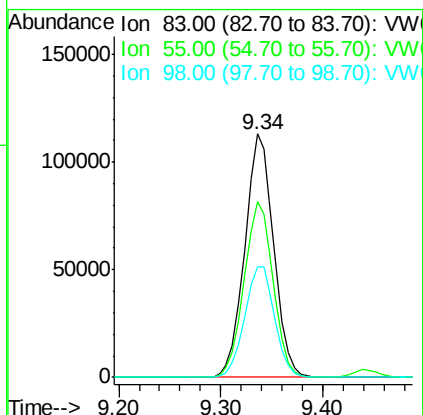
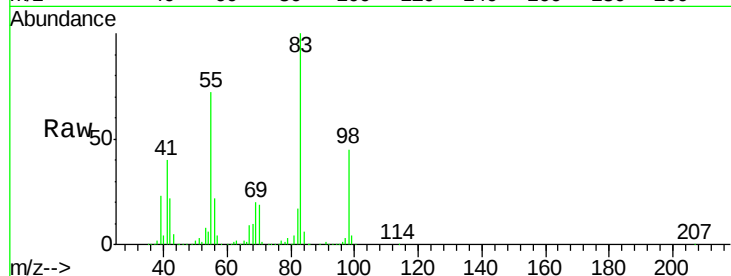




#39
Methylcyclohexane
Concen: 52.80 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

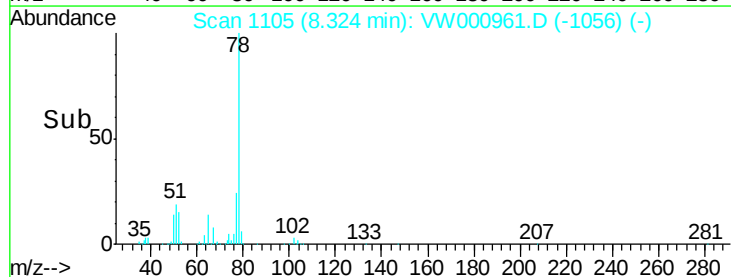
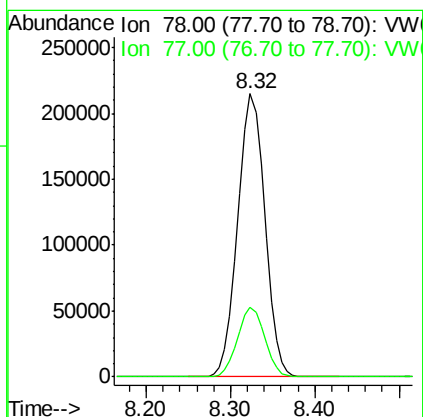
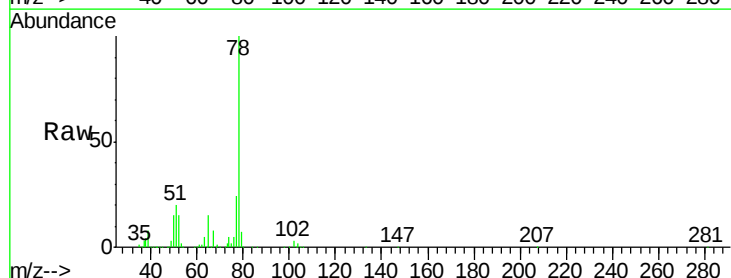
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

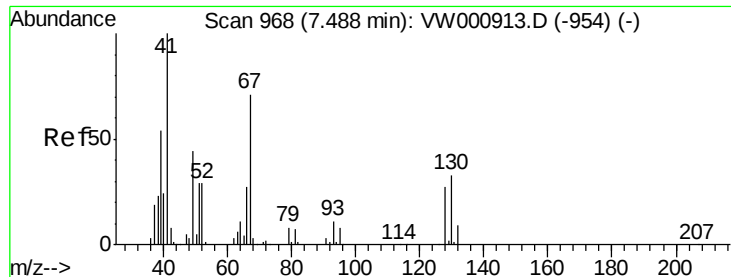
Tgt Ion: 83 Resp: 221598
Ion Ratio Lower Upper
83 100
55 72.1 56.4 84.6
98 45.3 38.2 57.4



#40
Benzene
Concen: 49.31 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

Tgt Ion: 78 Resp: 467179
Ion Ratio Lower Upper
78 100
77 24.4 19.0 28.6





#41

Methacrylonitrile

Concen: 55.17 ug/l

RT: 7.49 min Scan# 968

Delta R.T. 0.00 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 60902

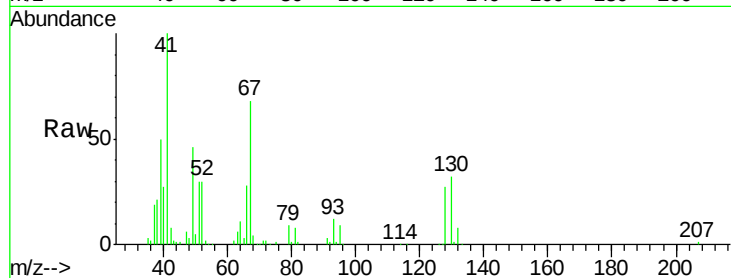
Ion Ratio Lower Upper

41 100

39 53.3 43.4 65.0

67 72.6 59.0 88.4

52 31.2 24.6 36.8

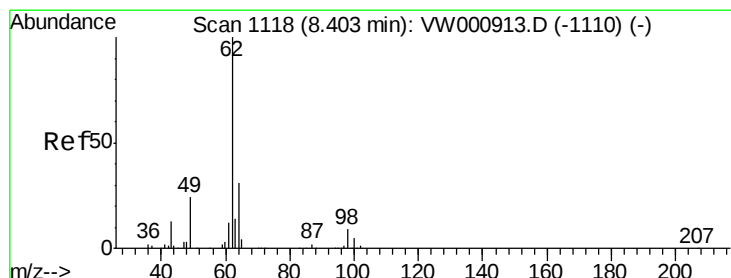
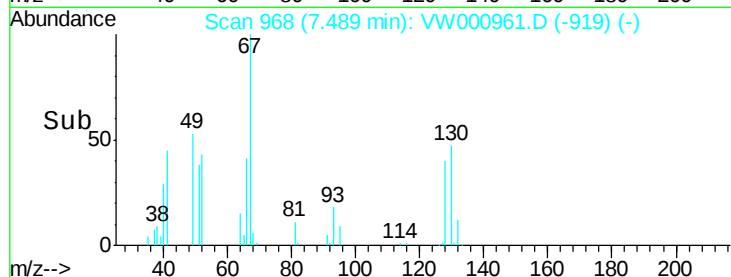
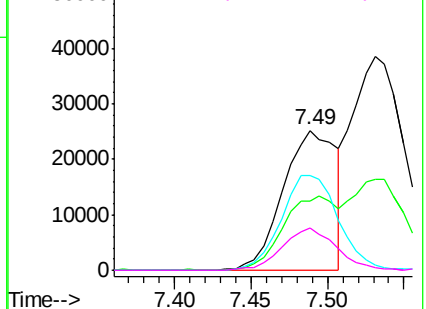


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 48.71 ug/l

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW000961.D

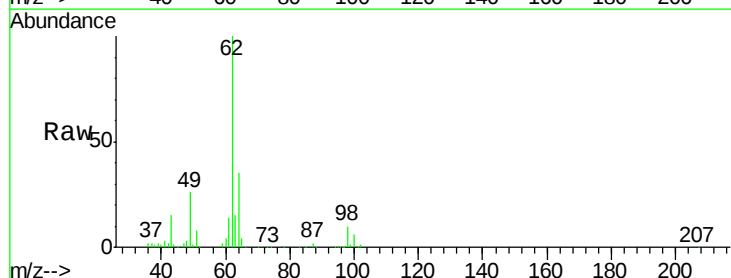
Acq: 24 Jan 2018 21:07

Tgt Ion: 62 Resp: 142183

Ion Ratio Lower Upper

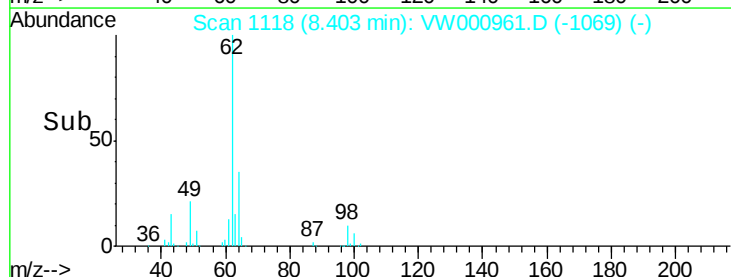
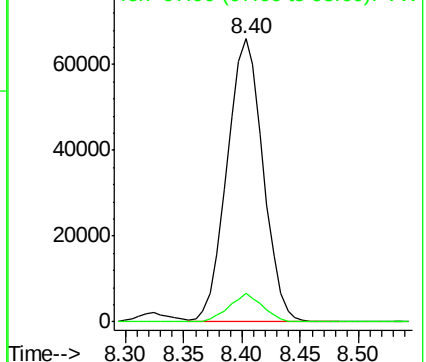
62 100

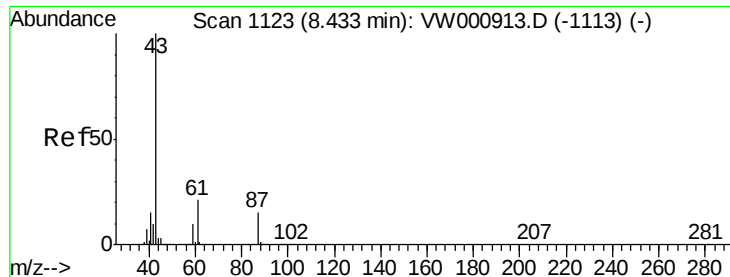
98 9.4 0.0 18.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 50.97 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

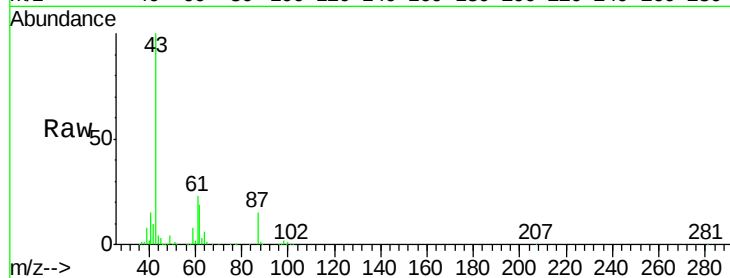
Tgt Ion: 43 Resp: 169925

Ion Ratio Lower Upper

43 100

61 29.4 23.6 35.4

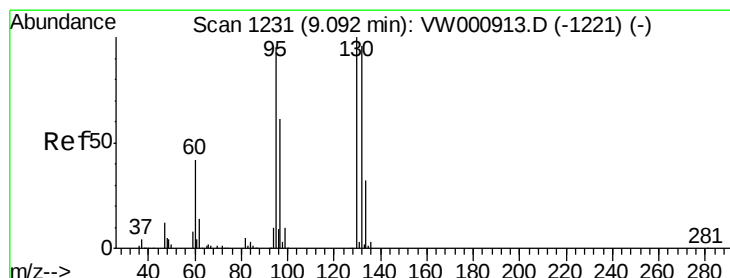
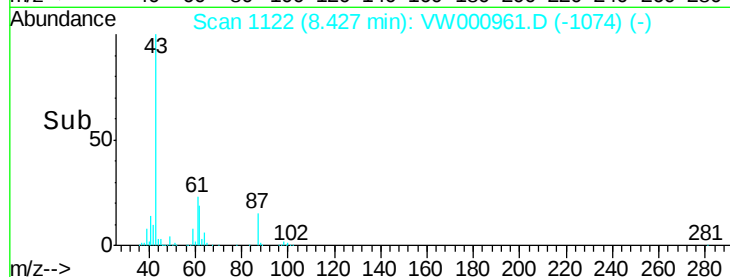
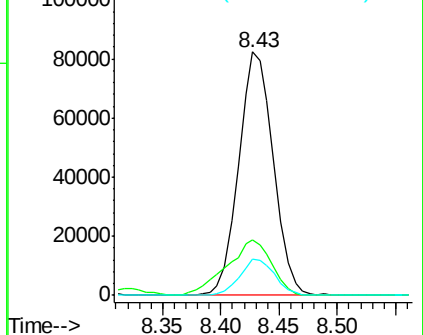
87 15.0 11.7 17.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 50.05 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VW000961.D

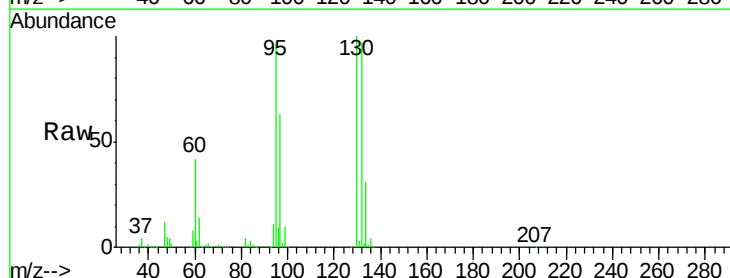
Acq: 24 Jan 2018 21:07

Tgt Ion: 130 Resp: 140882

Ion Ratio Lower Upper

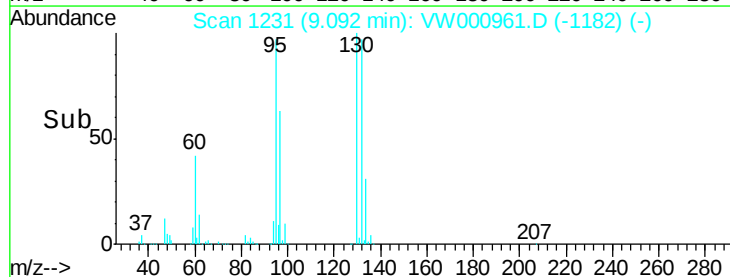
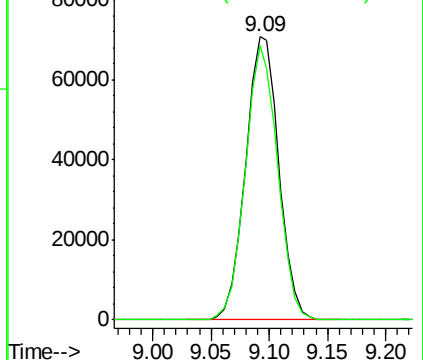
130 100

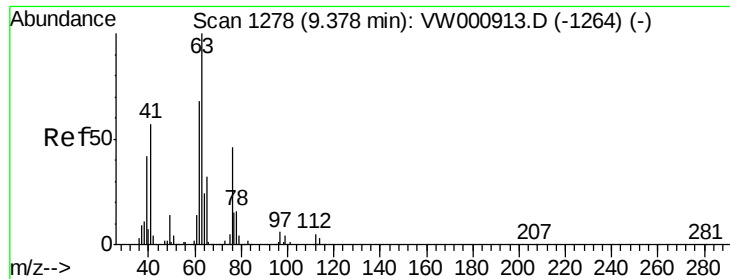
95 97.1 0.0 190.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 49.42 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. -0.01 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Instrument :

MSVOA_W

ClientSampleId :

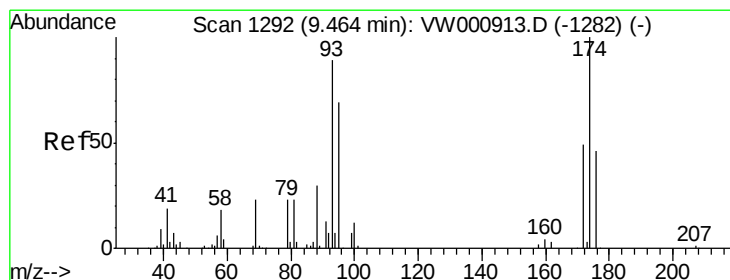
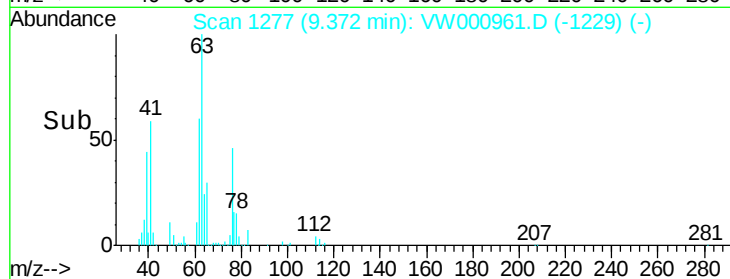
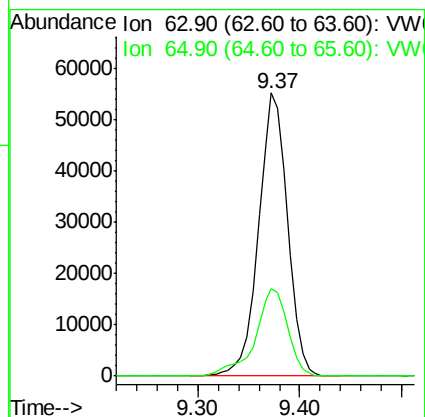
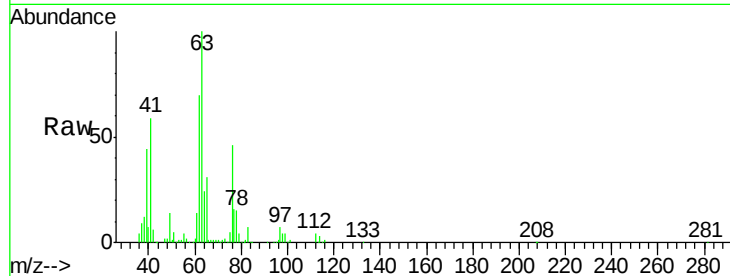
VSTDCCC050EC

Tgt Ion: 63 Resp: 109230

Ion Ratio Lower Upper

63 100

65 31.0 25.2 37.8



#46

Dibromomethane

Concen: 48.47 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

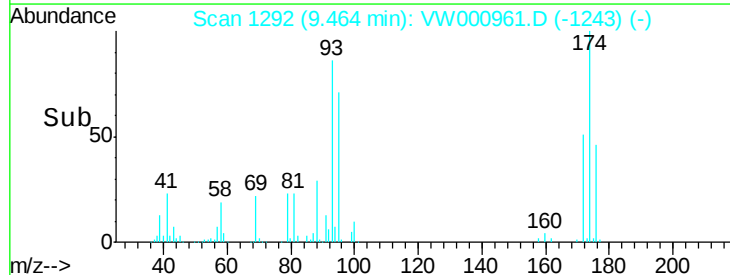
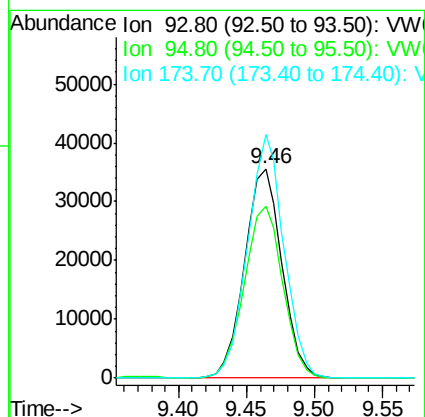
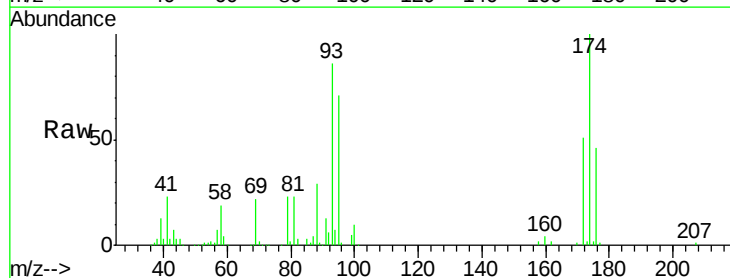
Tgt Ion: 93 Resp: 68449

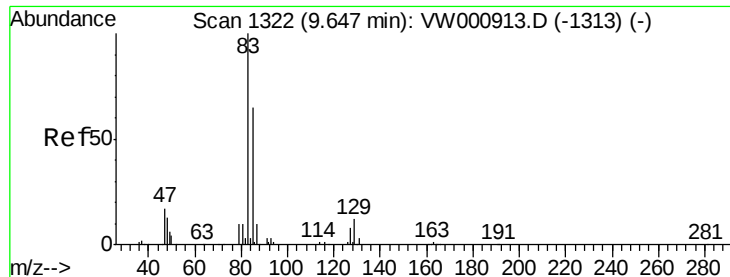
Ion Ratio Lower Upper

93 100

95 84.6 65.8 98.6

174 113.4 89.0 133.6





#47

Bromodichloromethane

Concen: 48.88 ug/l

RT: 9.65 min Scan# 1323

Delta R.T. 0.01 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

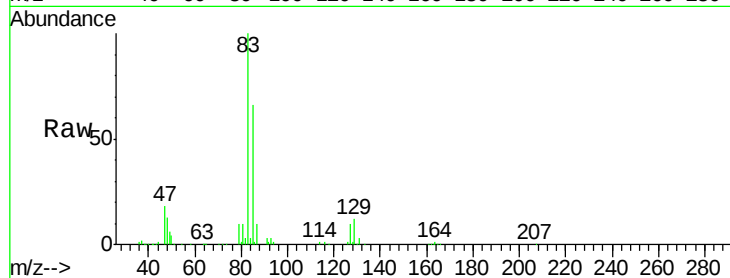
Tgt Ion: 83 Resp: 152657

Ion Ratio Lower Upper

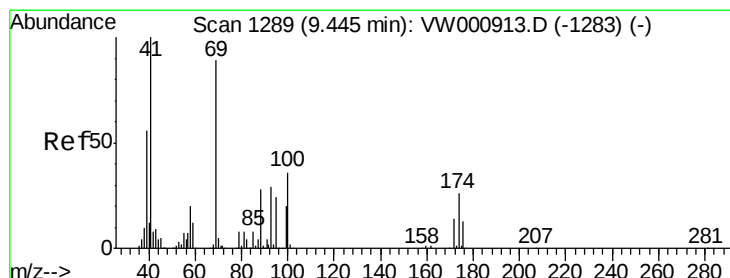
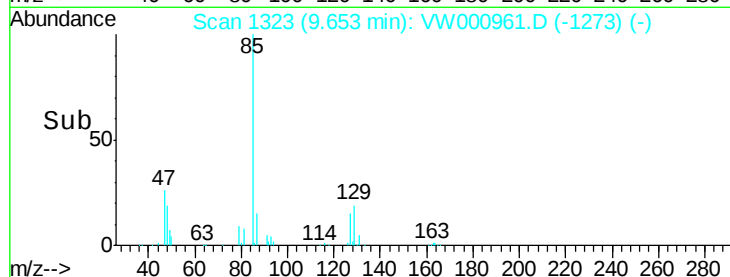
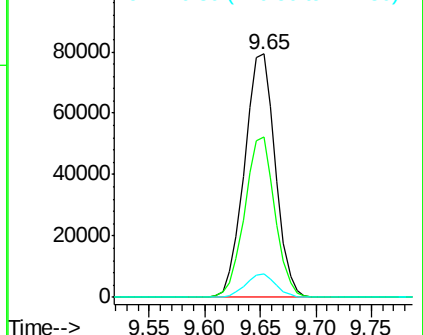
83 100

85 65.9 52.0 78.0

127 9.9 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 52.16 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

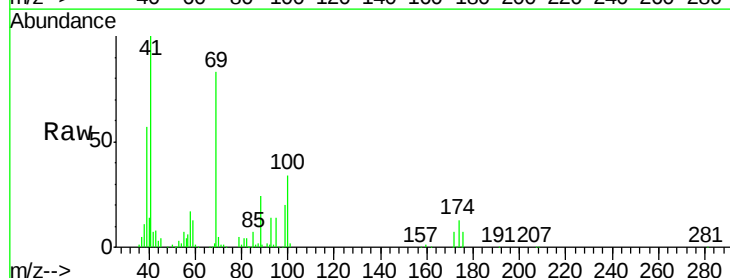
Tgt Ion: 41 Resp: 83525

Ion Ratio Lower Upper

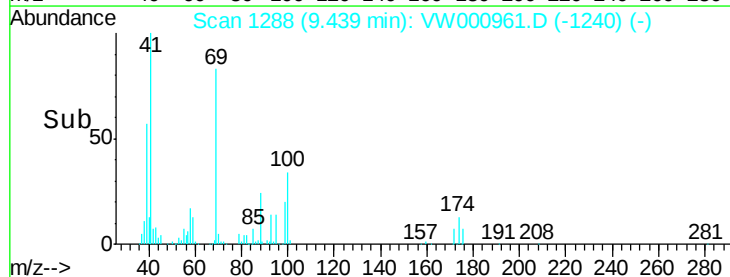
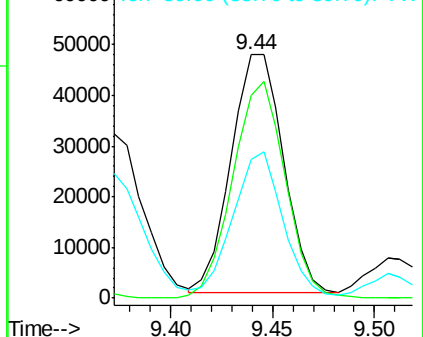
41 100

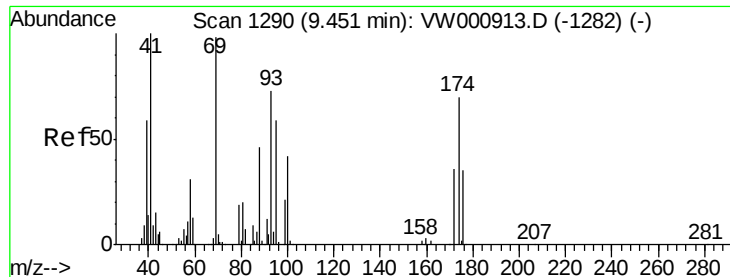
69 91.9 72.9 109.3

39 56.7 48.4 72.6



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 1143.34 ug/l

RT: 9.45 min Scan# 1290

Delta R.T. 0.00 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

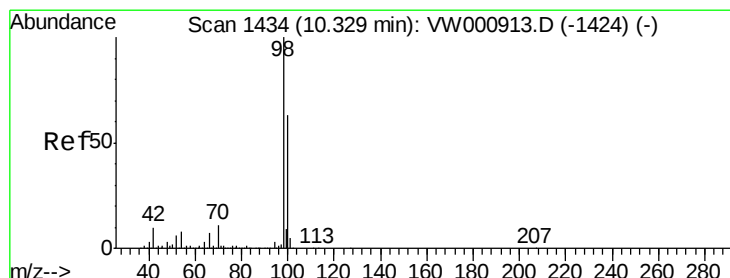
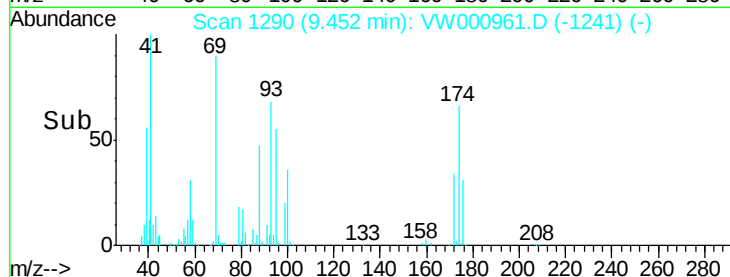
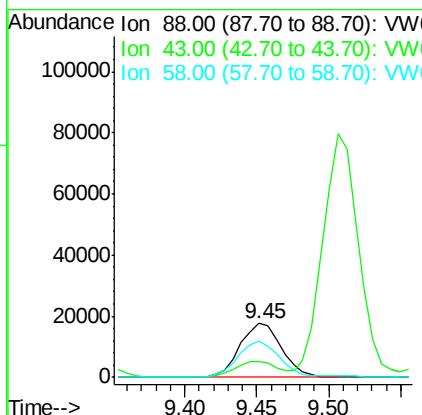
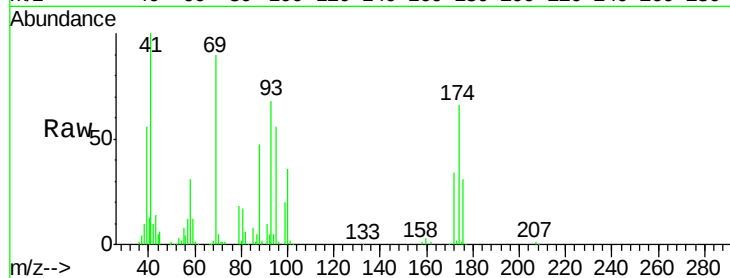
Tgt Ion: 88 Resp: 35290

Ion Ratio Lower Upper

88 100

43 29.7 24.5 36.7

58 67.2 54.7 82.1



#50

Toluene-d8

Concen: 50.50 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW000961.D

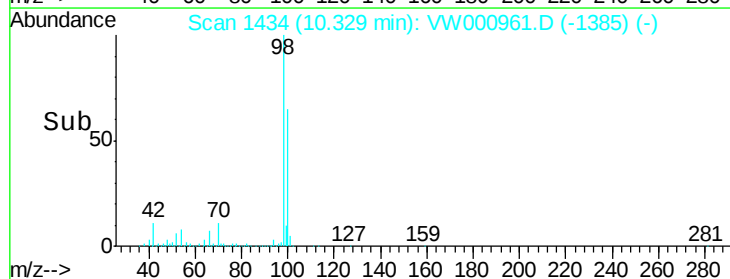
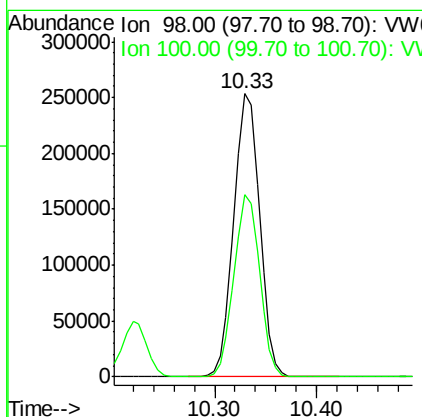
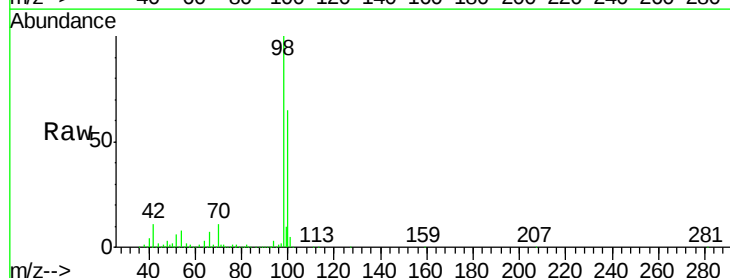
Acq: 24 Jan 2018 21:07

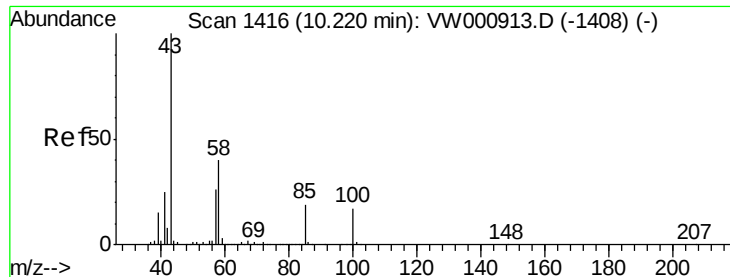
Tgt Ion: 98 Resp: 445369

Ion Ratio Lower Upper

98 100

100 64.0 50.8 76.2

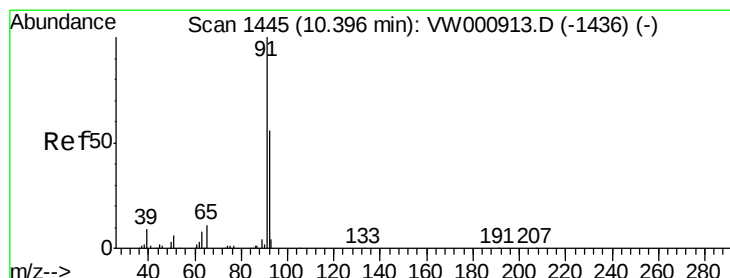
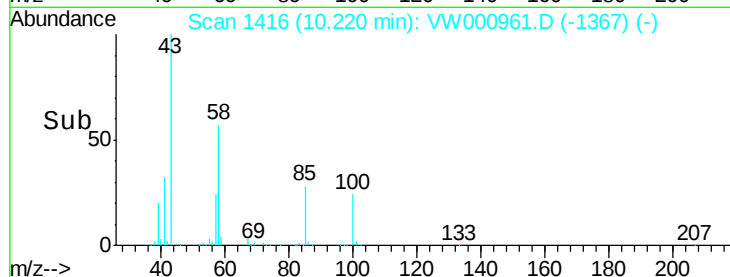
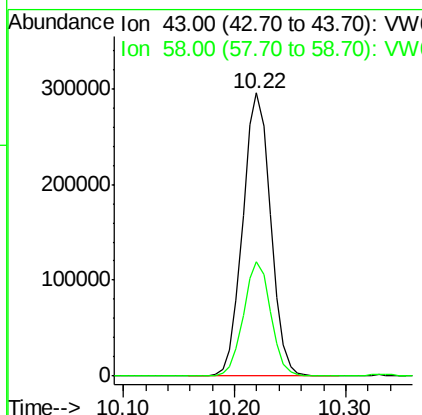
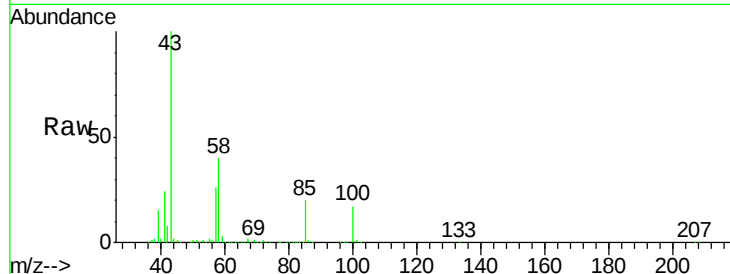




#51
 4-Methyl-2-Pentanone
 Concen: 266.93 ug/l
 RT: 10.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VW000961.D
 Acq: 24 Jan 2018 21:07

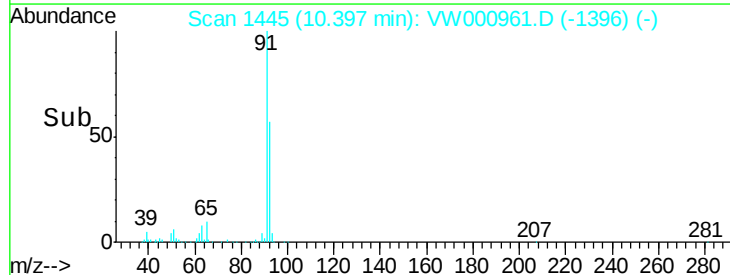
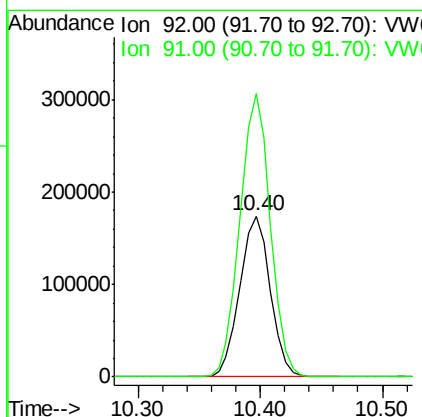
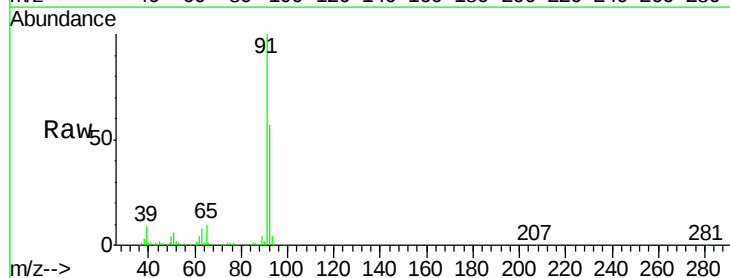
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

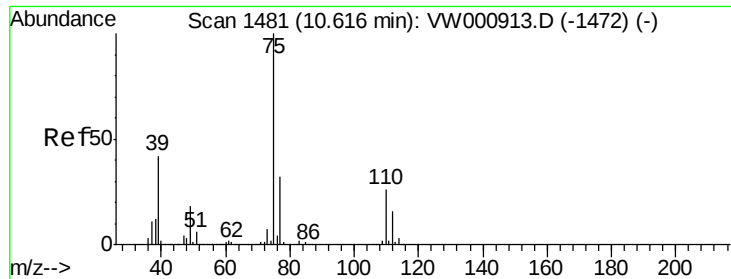
Tgt Ion: 43 Resp: 512097
 Ion Ratio Lower Upper
 43 100
 58 39.6 32.0 48.0



#52
 Toluene
 Concen: 50.37 ug/l
 RT: 10.40 min Scan# 1445
 Delta R.T. 0.00 min
 Lab File: VW000961.D
 Acq: 24 Jan 2018 21:07

Tgt Ion: 92 Resp: 301458
 Ion Ratio Lower Upper
 92 100
 91 175.5 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 48.32 ug/l

RT: 10.62 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Instrument :

MSVOA_W

ClientSampleId :

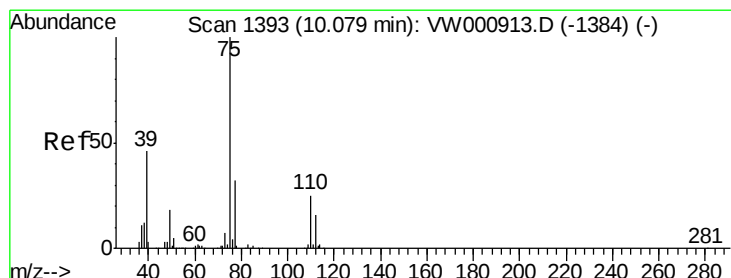
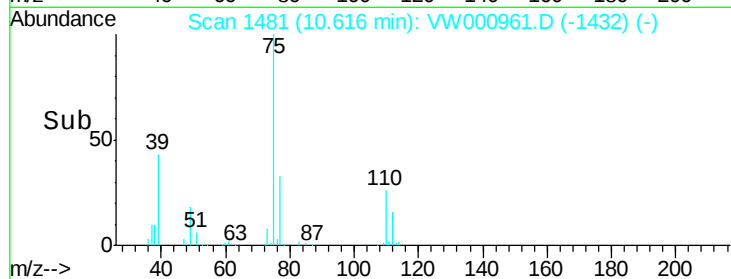
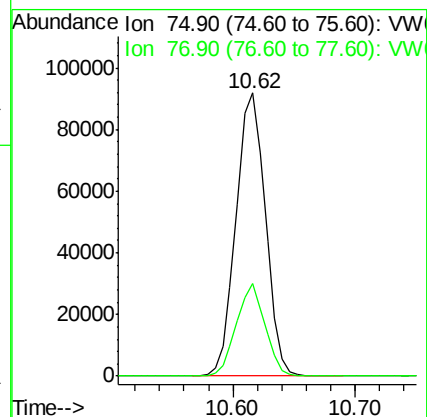
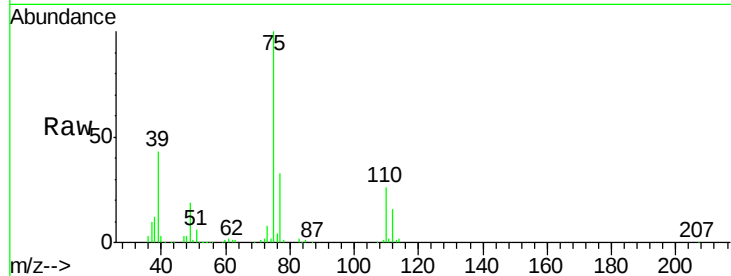
VSTDCCC050EC

Tgt Ion: 75 Resp: 152883

Ion Ratio Lower Upper

75 100

77 32.7 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 49.16 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

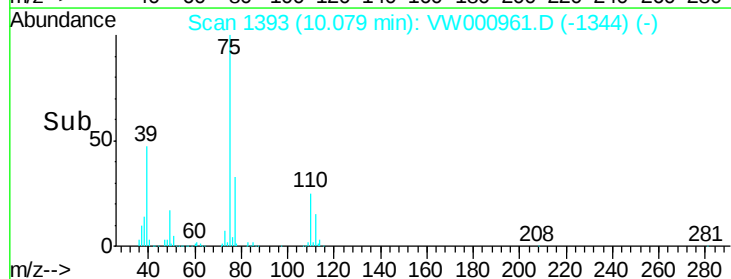
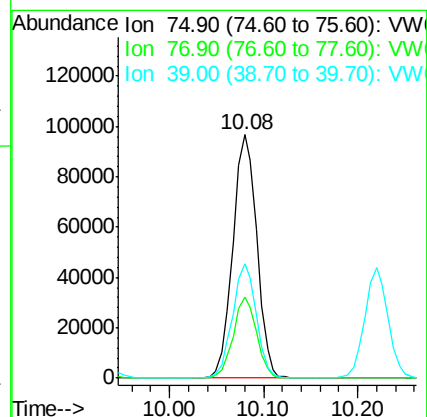
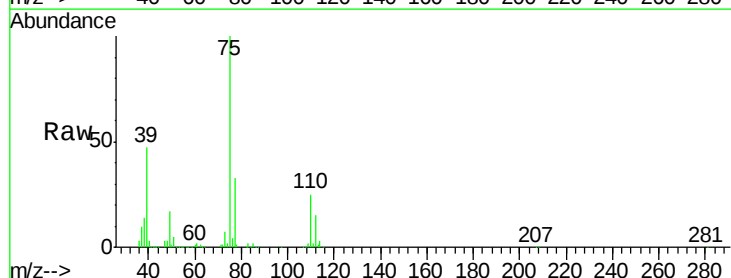
Tgt Ion: 75 Resp: 171131

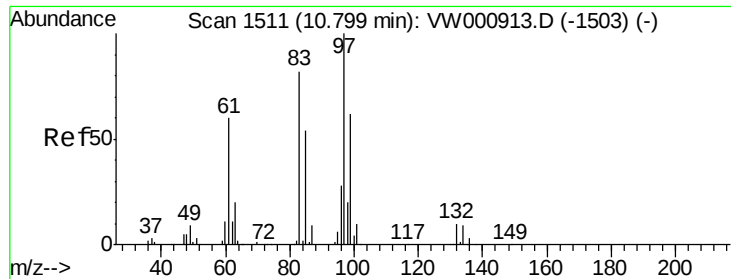
Ion Ratio Lower Upper

75 100

77 33.3 25.3 37.9

39 46.8 37.0 55.6





#55

1,1,2-Trichloroethane

Concen: 49.85 ug/l

RT: 10.80 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 98308

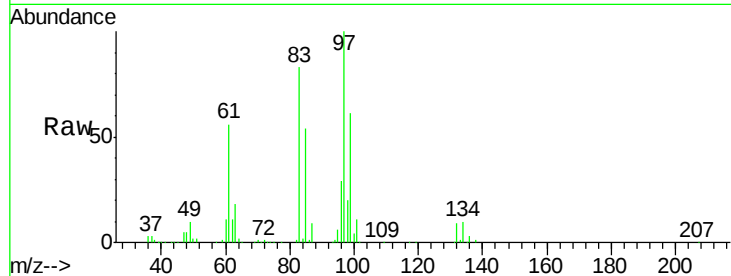
Ion Ratio Lower Upper

97 100

83 82.6 65.2 97.8

85 53.6 43.1 64.7

99 60.5 49.3 73.9

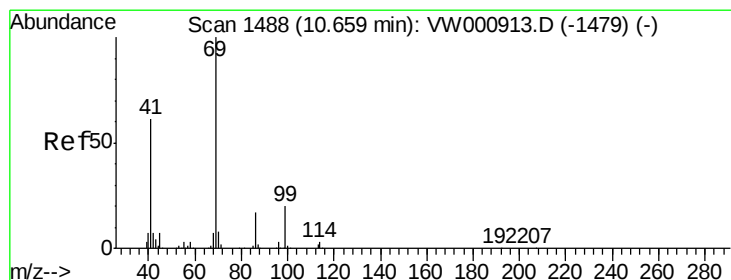
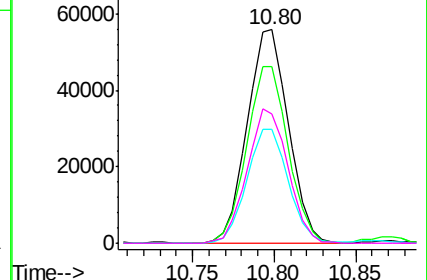
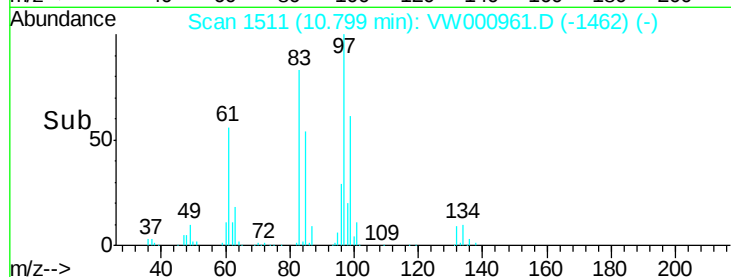


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 48.24 ug/l

RT: 10.65 min Scan# 1487

Delta R.T. -0.01 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

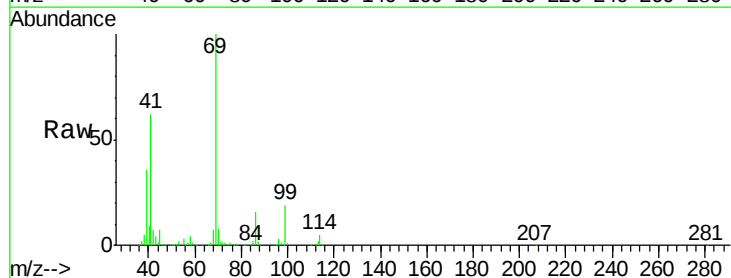
Tgt Ion: 69 Resp: 127308

Ion Ratio Lower Upper

69 100

41 62.7 50.3 75.5

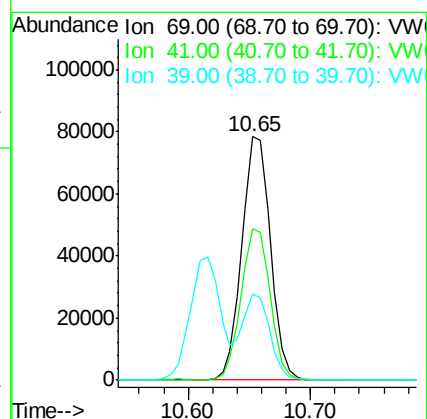
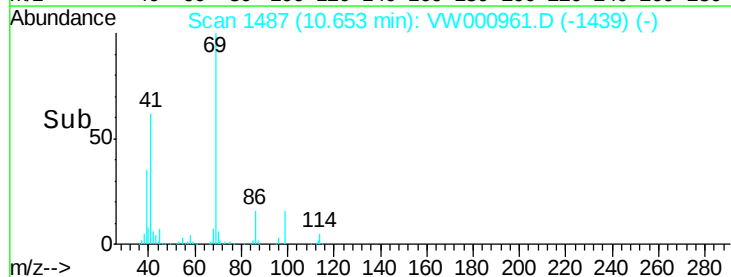
39 35.0 28.6 42.8

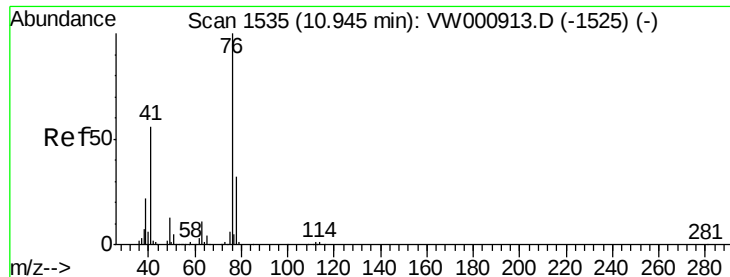


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

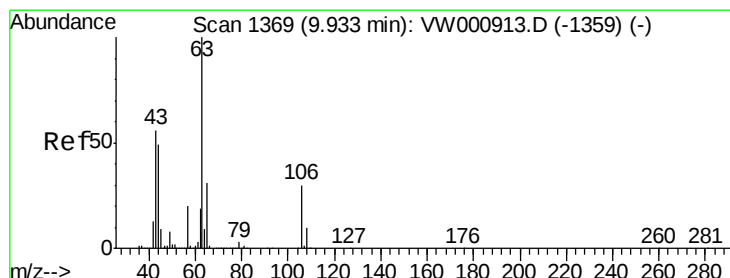
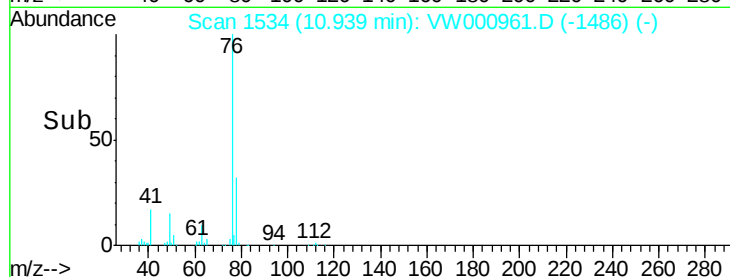
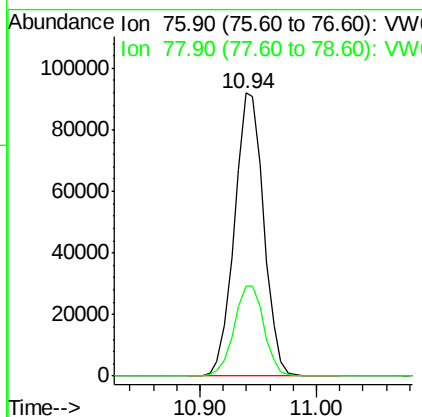
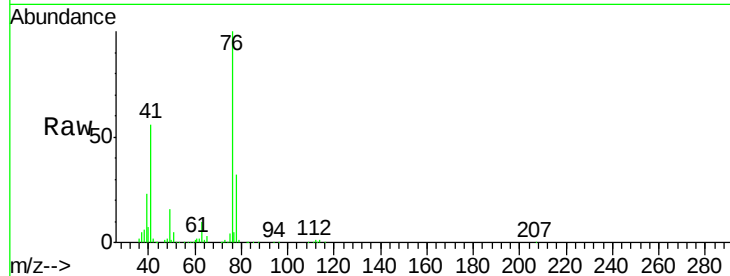




#57
 1,3-Dichloropropane
 Concen: 49.82 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VW000961.D
 Acq: 24 Jan 2018 21:07

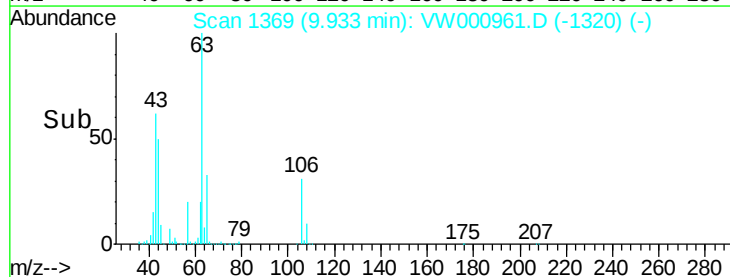
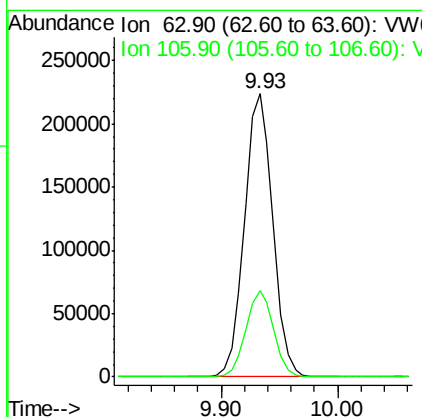
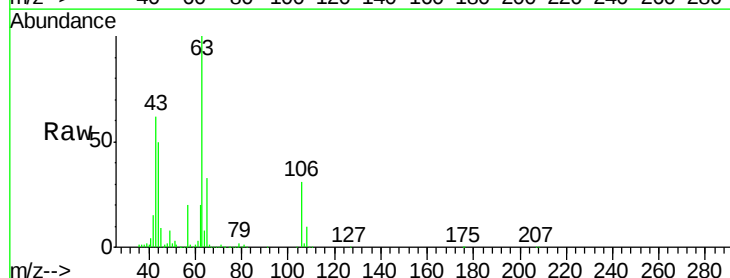
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

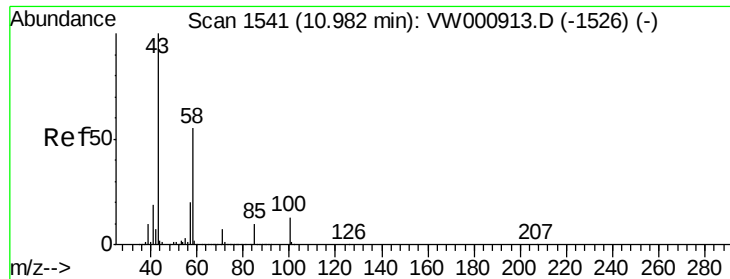
Tgt Ion: 76 Resp: 160432
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 251.67 ug/l
 RT: 9.93 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: VW000961.D
 Acq: 24 Jan 2018 21:07

Tgt Ion: 63 Resp: 378418
 Ion Ratio Lower Upper
 63 100
 106 29.8 23.8 35.8

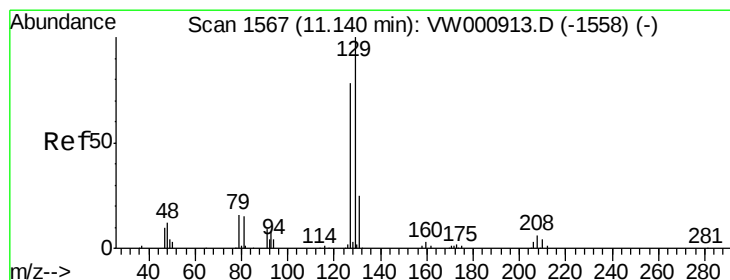
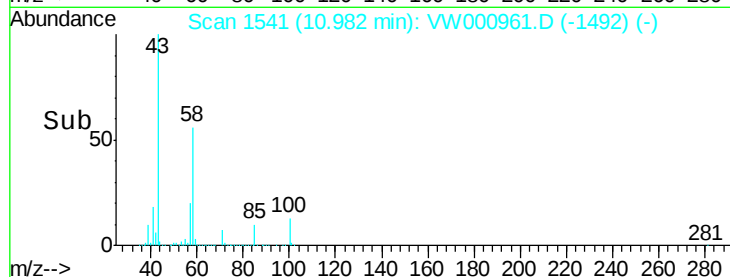
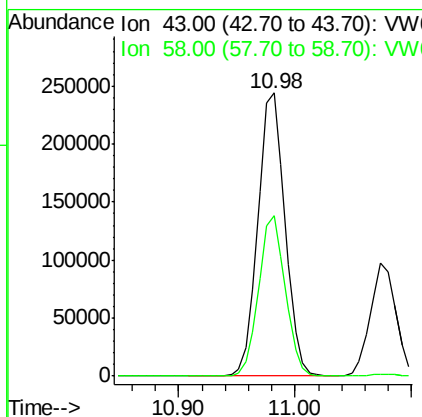
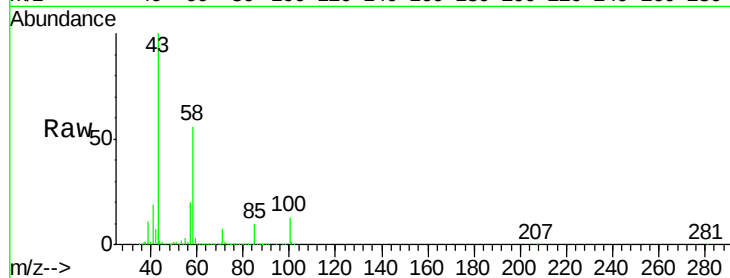




#59
2-Hexanone
Concen: 235.64 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

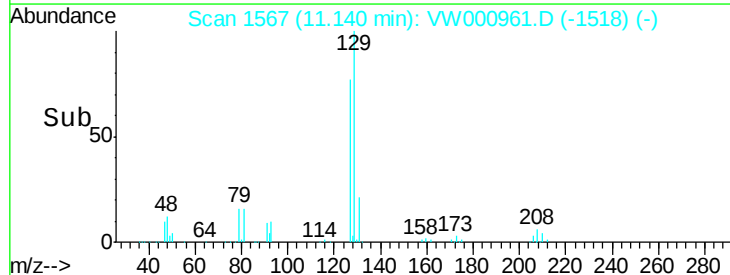
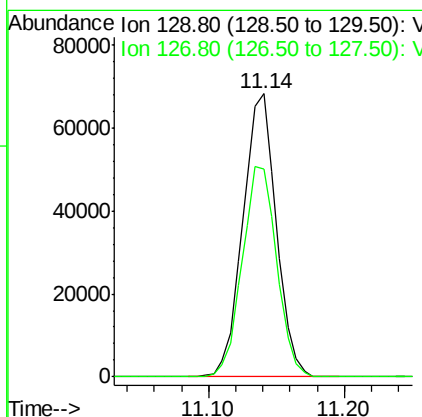
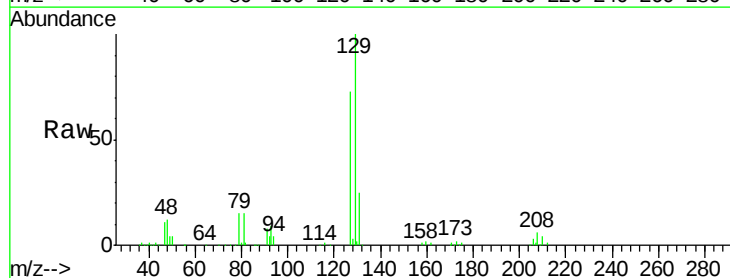
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

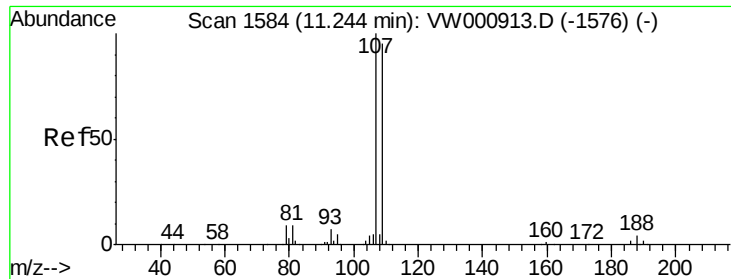
Tgt Ion: 43 Resp: 395912
Ion Ratio Lower Upper
43 100
58 55.3 27.4 82.2



#60
Dibromochloromethane
Concen: 49.21 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

Tgt Ion: 129 Resp: 117206
Ion Ratio Lower Upper
129 100
127 76.9 38.4 115.2

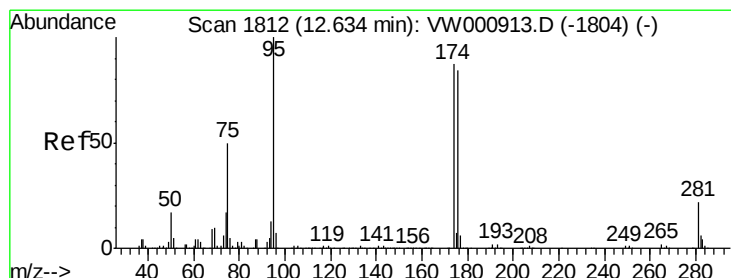
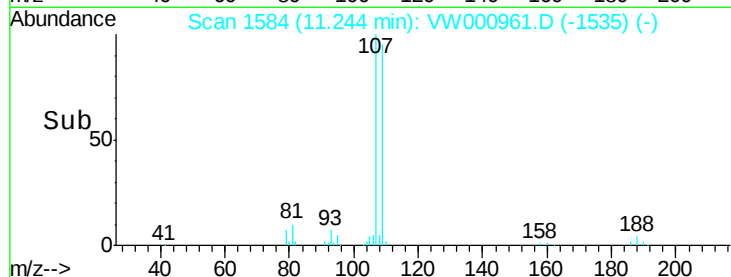
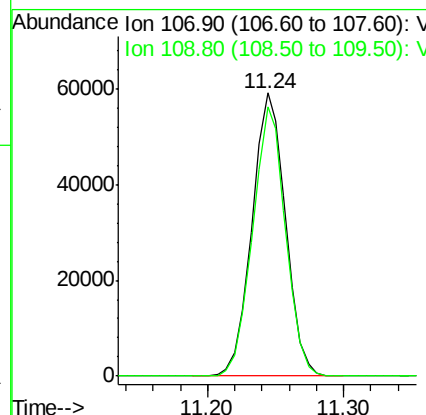
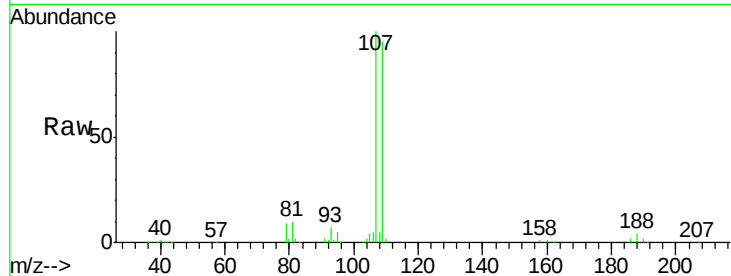




#61
 1,2-Dibromoethane
 Concen: 49.53 ug/l
 RT: 11.24 min Scan# 1584
 Delta R.T. 0.00 min
 Lab File: VW000961.D
 Acq: 24 Jan 2018 21:07

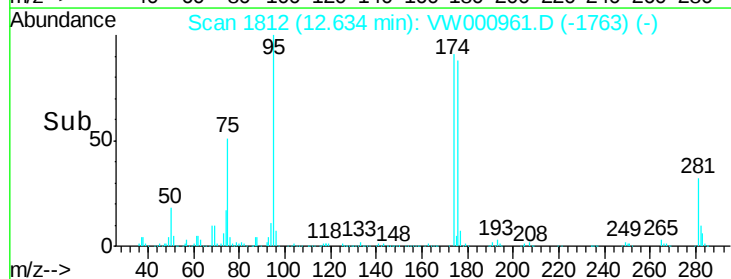
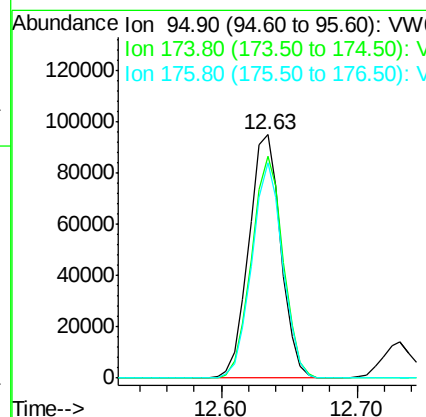
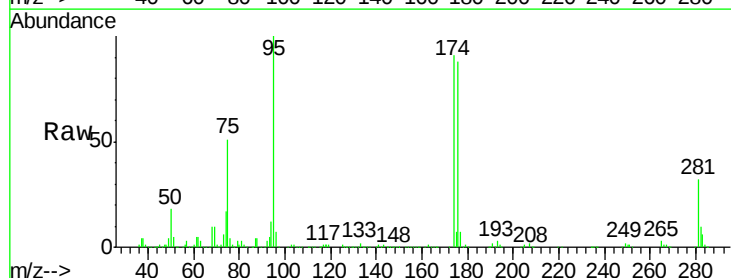
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

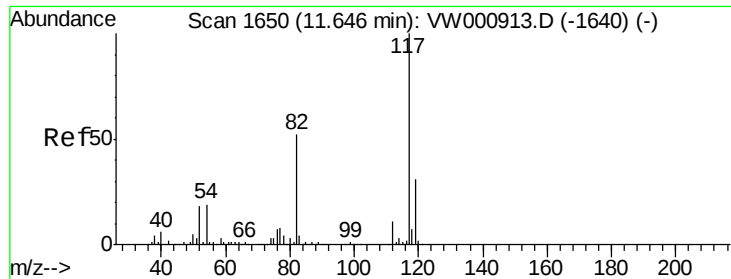
Tgt Ion: 107 Resp: 101758
 Ion Ratio Lower Upper
 107 100
 109 93.4 76.0 114.0



#62
 4-Bromofluorobenzene
 Concen: 48.74 ug/l
 RT: 12.63 min Scan# 1812
 Delta R.T. 0.00 min
 Lab File: VW000961.D
 Acq: 24 Jan 2018 21:07

Tgt Ion: 95 Resp: 156538
 Ion Ratio Lower Upper
 95 100
 174 89.8 0.0 176.8
 176 85.5 0.0 171.8

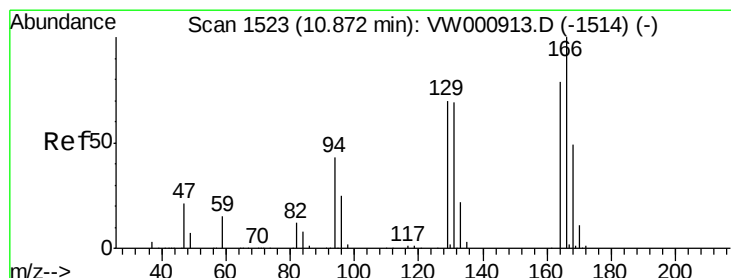
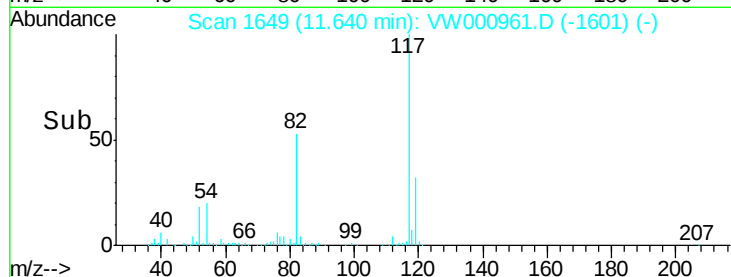
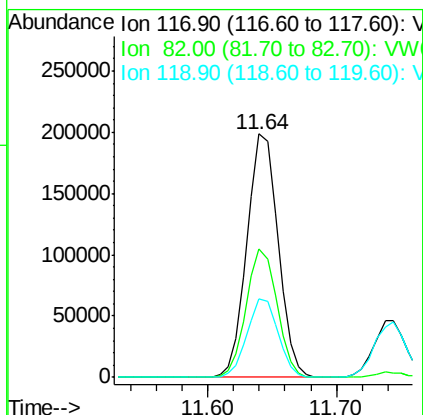
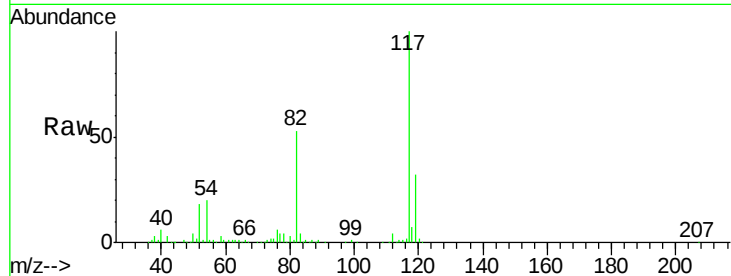




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.01 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

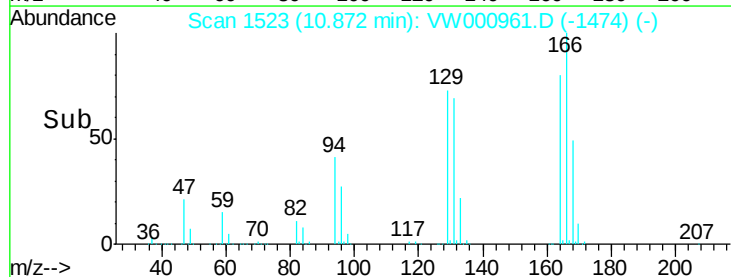
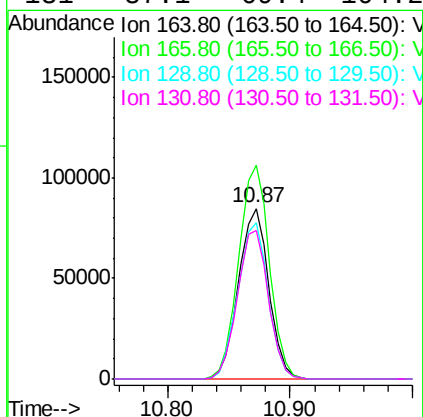
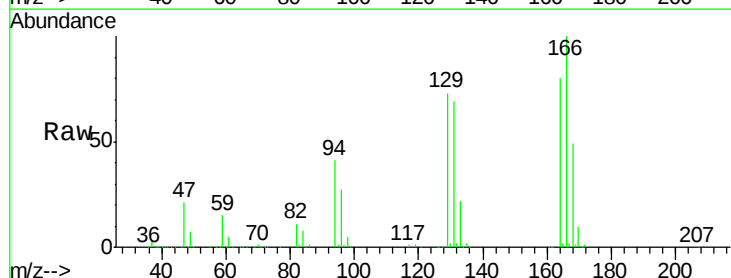
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

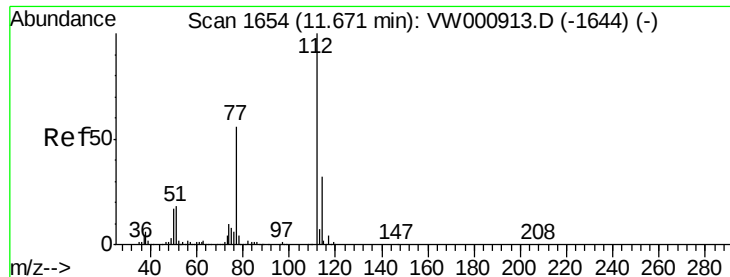
Tgt Ion:117 Resp: 332015
Ion Ratio Lower Upper
117 100
82 52.9 41.8 62.6
119 32.3 25.2 37.8



#64
Tetrachloroethene
Concen: 52.63 ug/l
RT: 10.87 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

Tgt Ion:164 Resp: 145034
Ion Ratio Lower Upper
164 100
166 125.4 100.9 151.3
129 91.5 70.5 105.7
131 87.1 69.4 104.2





#65

Chlorobenzene

Concen: 49.05 ug/l

RT: 11.67 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Instrument :

MSVOA_W

ClientSampleId :

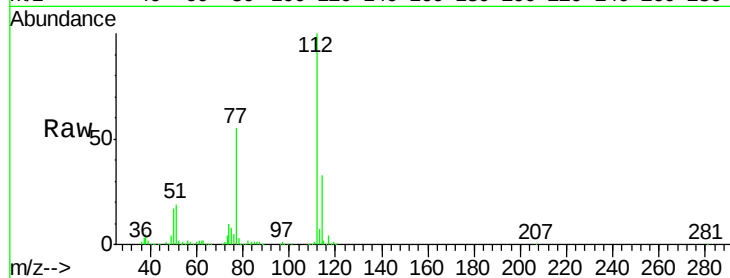
VSTDCCC050EC

Tgt Ion:112 Resp: 334143

Ion Ratio Lower Upper

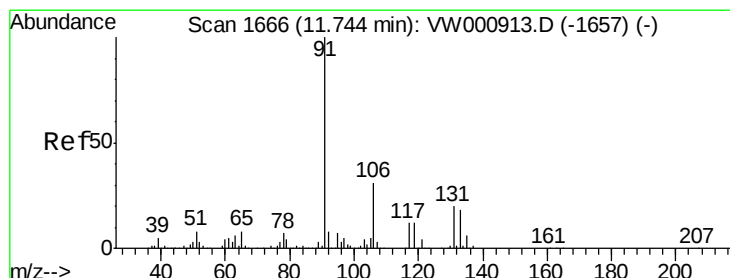
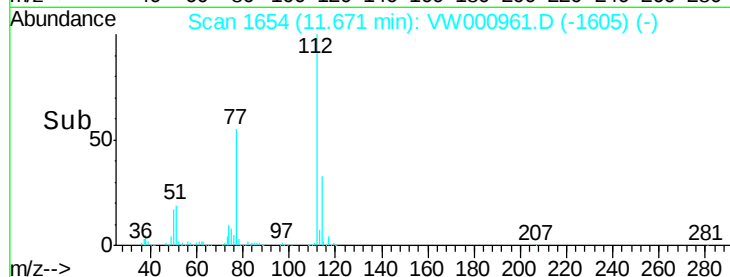
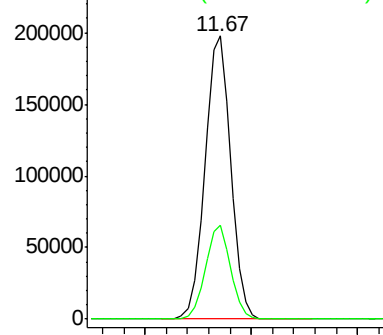
112 100

114 33.1 25.8 38.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.08 ug/l

RT: 11.74 min Scan# 1666

Delta R.T. 0.00 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

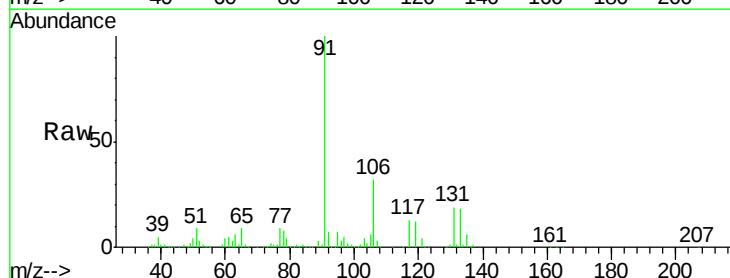
Tgt Ion:131 Resp: 120039

Ion Ratio Lower Upper

131 100

133 96.8 47.3 142.0

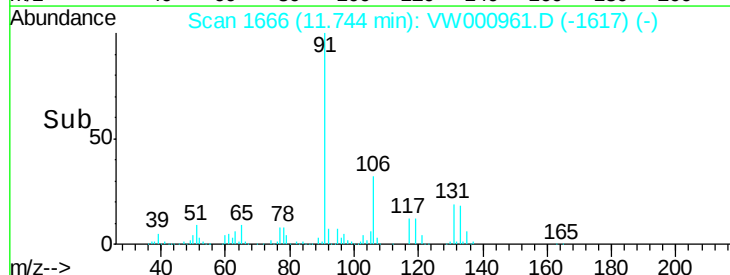
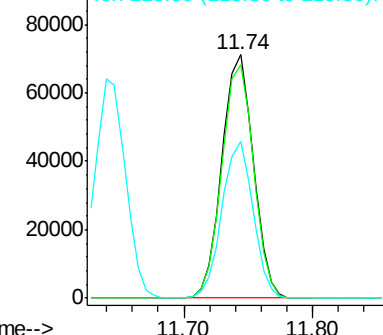
119 63.3 31.6 94.7

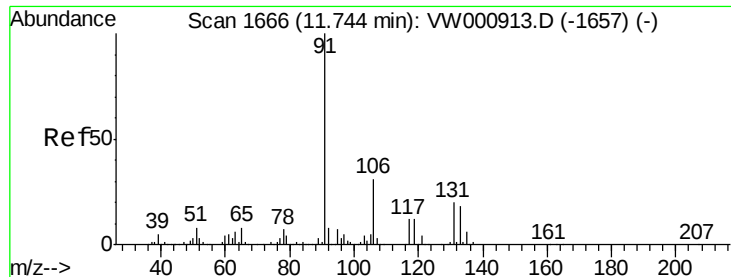


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

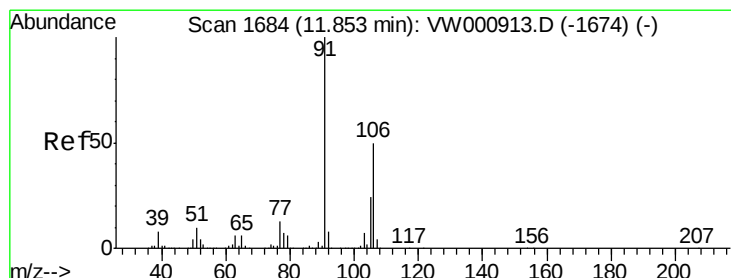
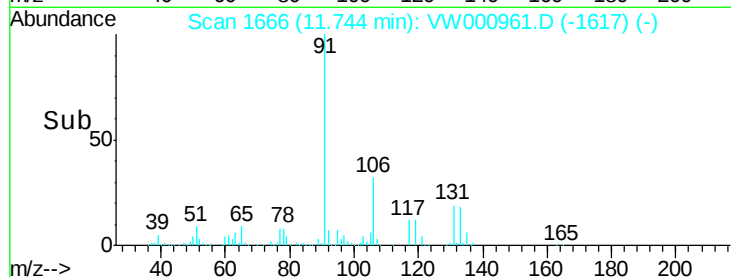
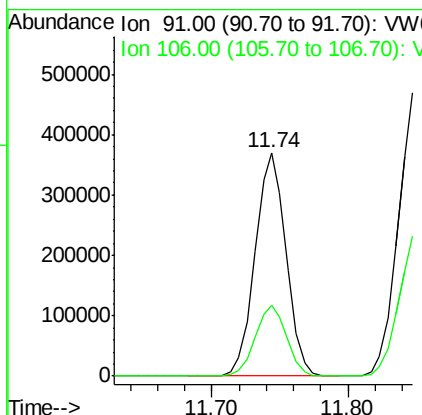
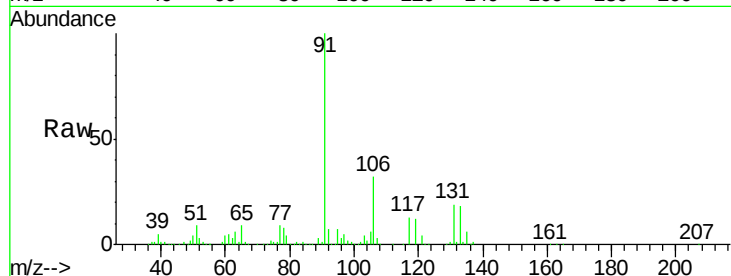




#67
Ethyl Benzene
Concen: 51.14 ug/l
RT: 11.74 min Scan# 1666
Delta R.T. 0.00 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

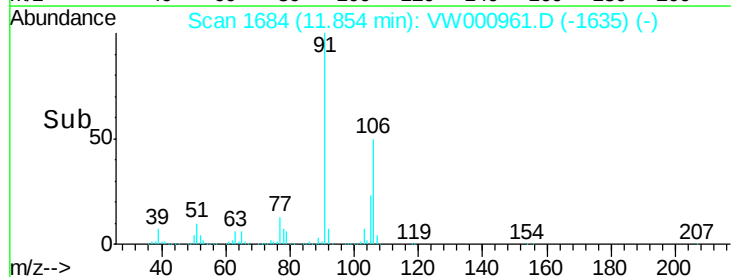
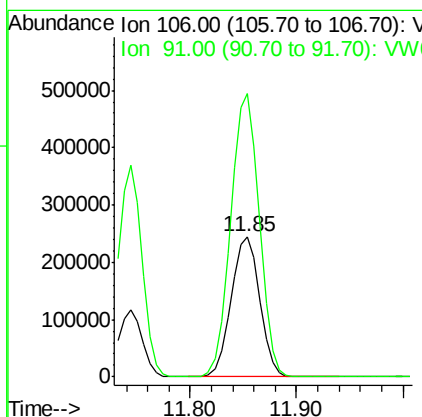
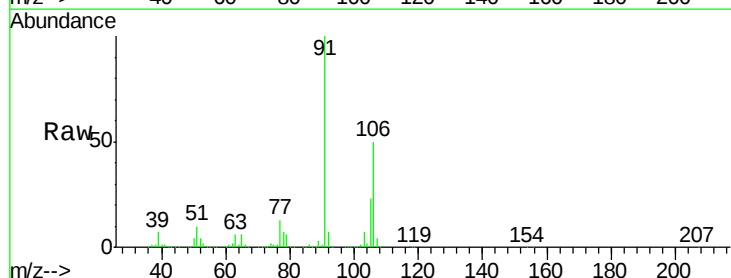
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

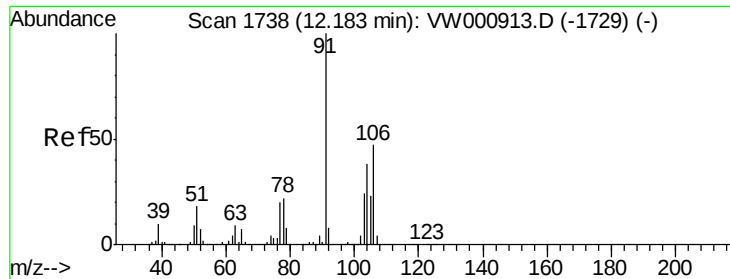
Tgt Ion: 91 Resp: 588498
Ion Ratio Lower Upper
91 100
106 31.8 25.1 37.7



#68
m/p-Xylenes
Concen: 102.93 ug/l
RT: 11.85 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

Tgt Ion: 106 Resp: 460360
Ion Ratio Lower Upper
106 100
91 201.5 161.9 242.9

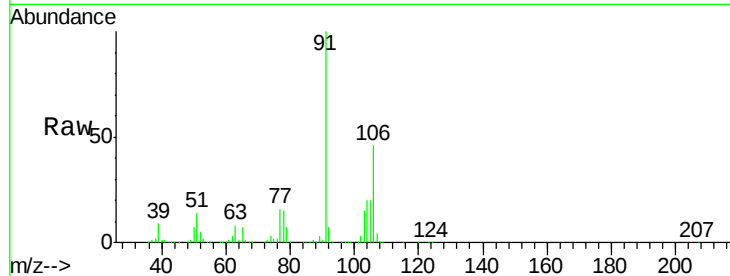




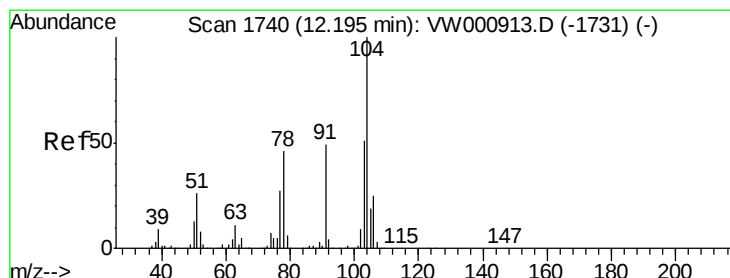
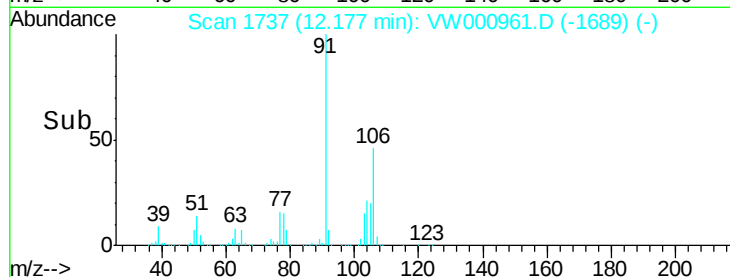
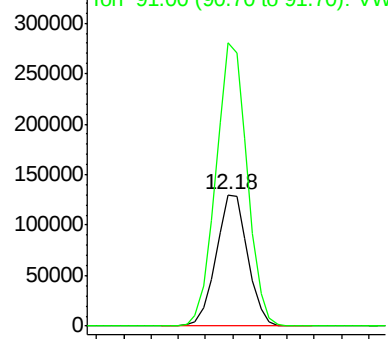
#69
o-Xylene
Concen: 51.48 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 211146
Ion Ratio Lower Upper
106 100
91 213.4 106.3 318.8

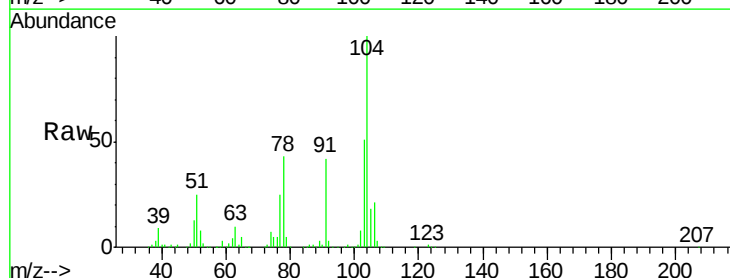


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

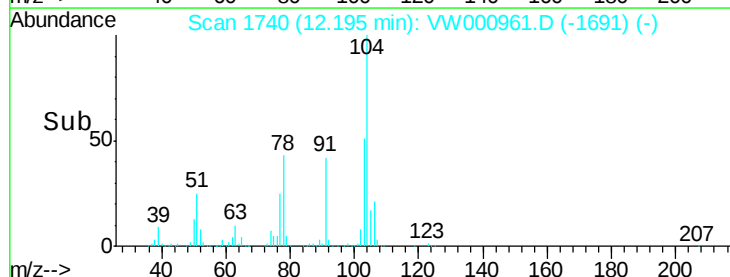
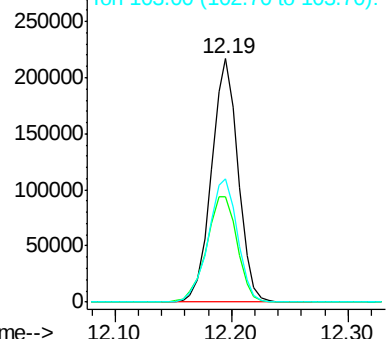


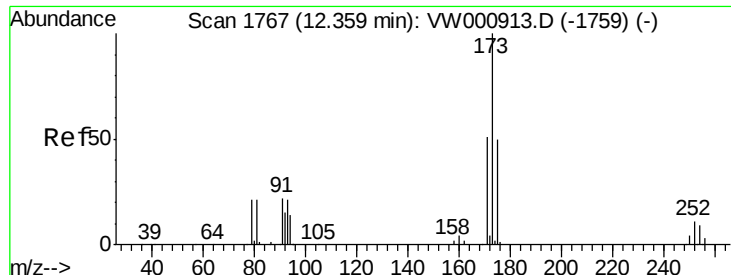
#70
Styrene
Concen: 51.63 ug/l
RT: 12.19 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

Tgt Ion:104 Resp: 345217
Ion Ratio Lower Upper
104 100
78 50.0 40.1 60.1
103 55.5 44.6 66.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW
Ion 103.00 (102.70 to 103.70): V

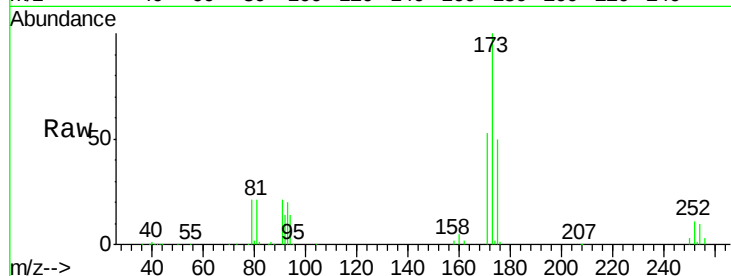




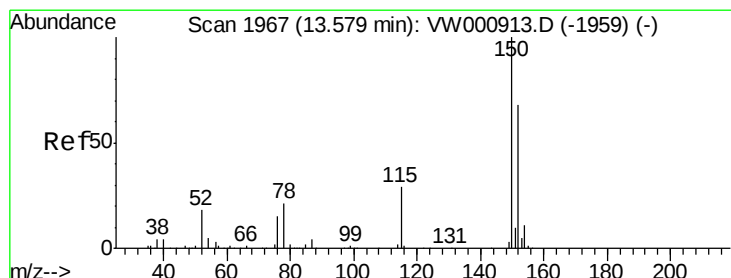
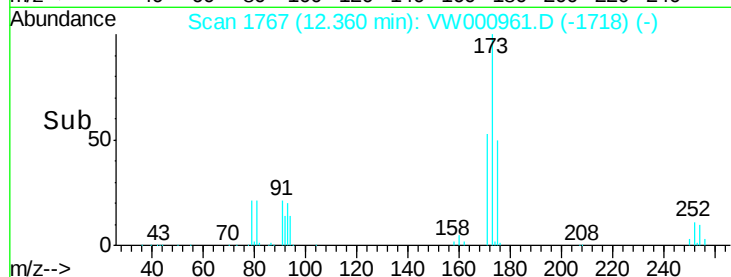
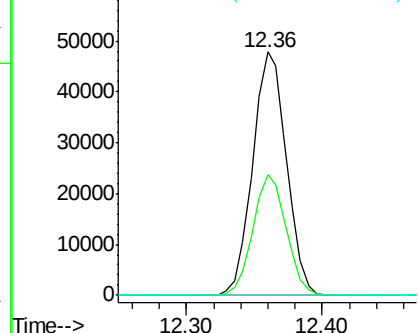
#71
Bromoform
Concen: 50.14 ug/l
RT: 12.36 min Scan# 1767
Delta R.T. 0.00 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 83203
Ion Ratio Lower Upper
173 100
175 48.8 24.7 74.1
254 0.1 0.2 0.2#

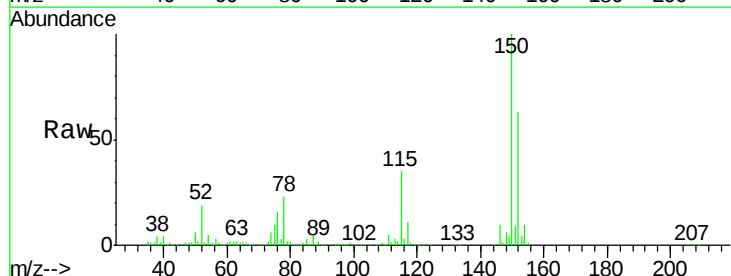


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

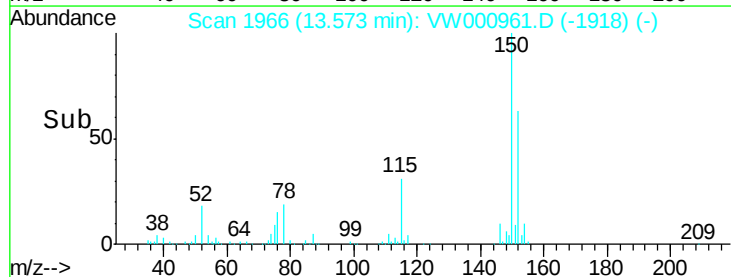
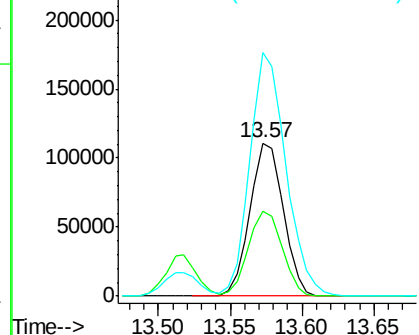


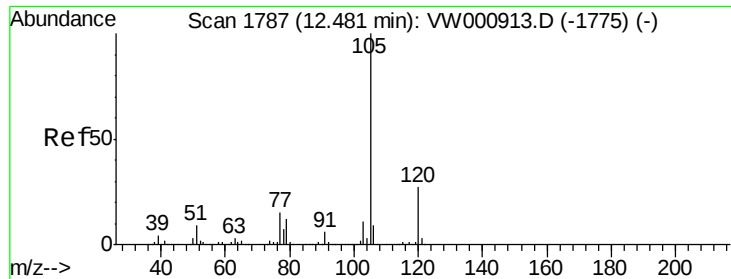
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1966
Delta R.T. -0.01 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

Tgt Ion:152 Resp: 177650
Ion Ratio Lower Upper
152 100
115 56.6 28.5 85.5
150 171.8 0.0 342.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.66 ug/l

RT: 12.48 min Scan# 1787

Delta R.T. 0.00 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Instrument :

MSVOA_W

ClientSampleId :

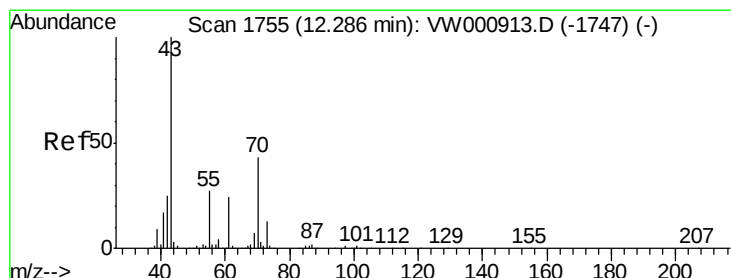
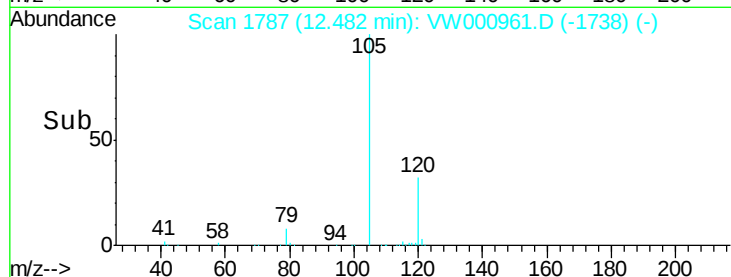
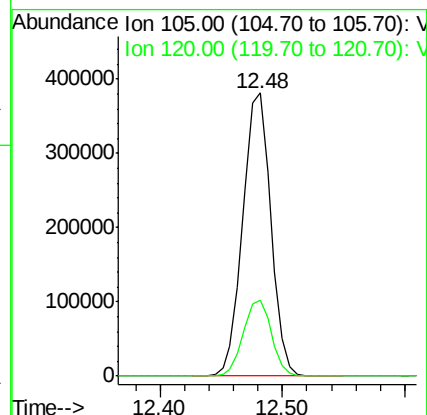
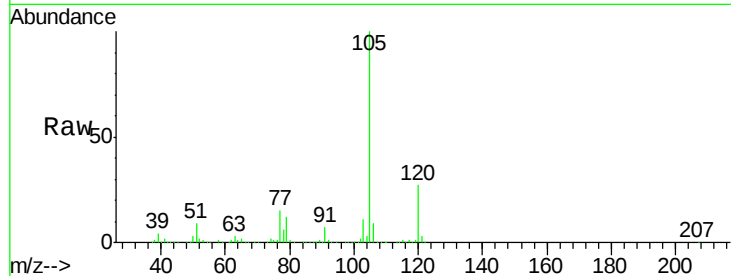
VSTDCCC050EC

Tgt Ion: 105 Resp: 604536

Ion Ratio Lower Upper

105 100

120 26.9 13.3 39.9



#74

N-ethyl acetate

Concen: 53.54 ug/l

RT: 12.29 min Scan# 1755

Delta R.T. 0.00 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Tgt Ion: 43 Resp: 149238

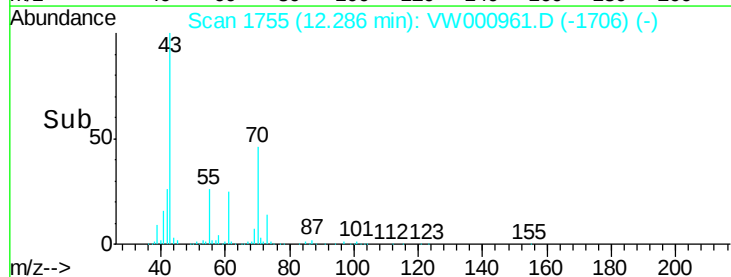
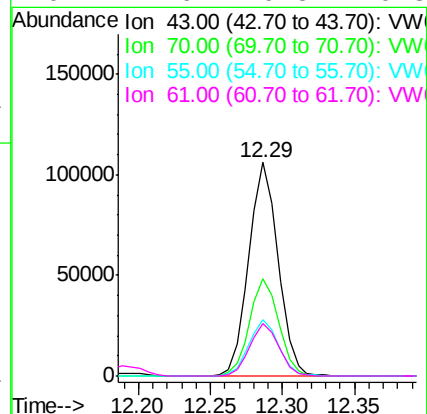
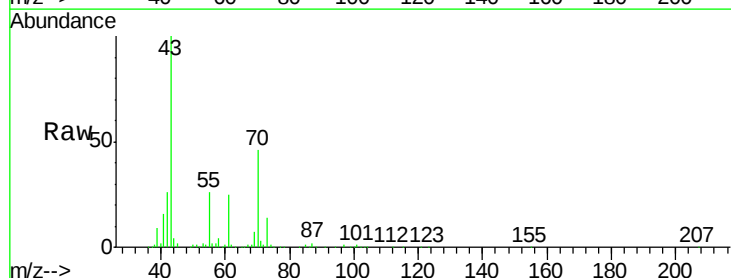
Ion Ratio Lower Upper

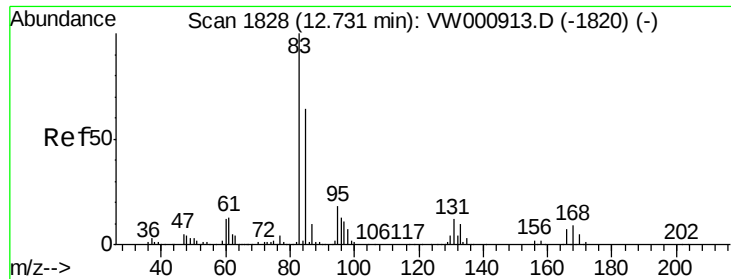
43 100

70 45.5 35.8 53.8

55 26.6 21.4 32.2

61 24.6 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 51.91 ug/l

RT: 12.73 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

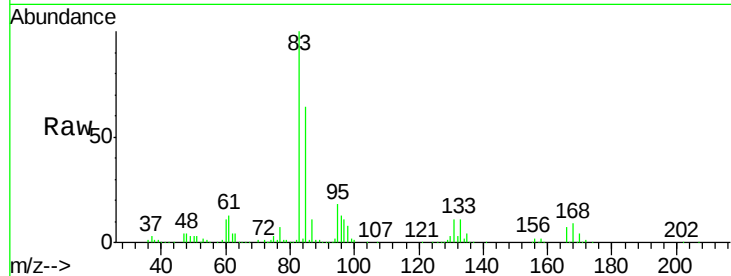
Tgt Ion: 83 Resp: 127350

Ion Ratio Lower Upper

83 100

131 11.8 5.9 17.7

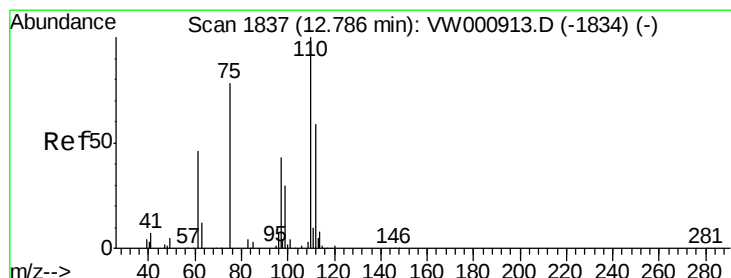
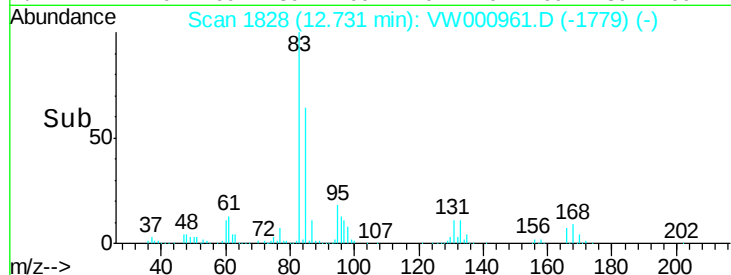
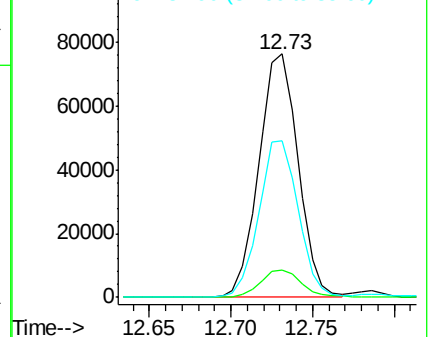
85 64.7 32.6 97.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 84.06 ug/l

RT: 12.79 min Scan# 1837

Delta R.T. 0.00 min

Lab File: VW000961.D

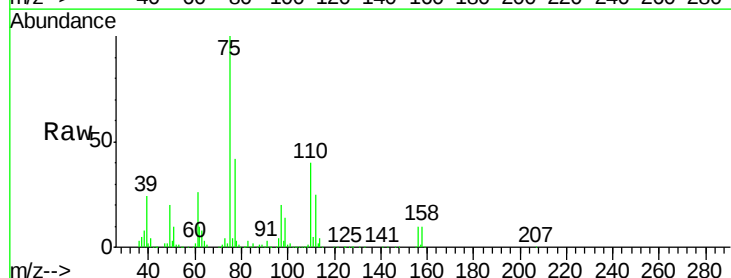
Acq: 24 Jan 2018 21:07

Tgt Ion: 75 Resp: 172797

Ion Ratio Lower Upper

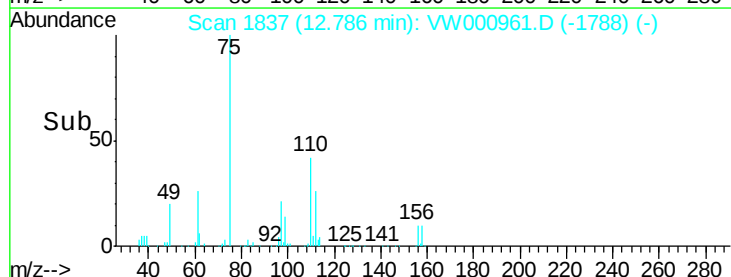
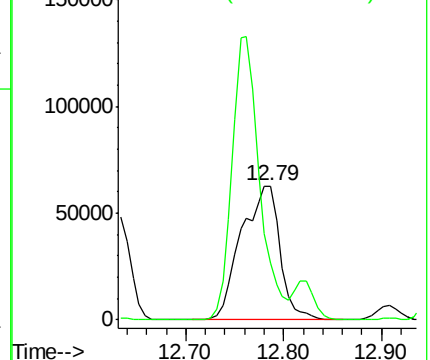
75 100

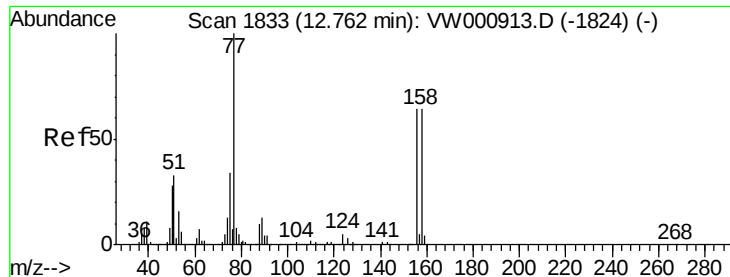
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 50.07 ug/l

RT: 12.76 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

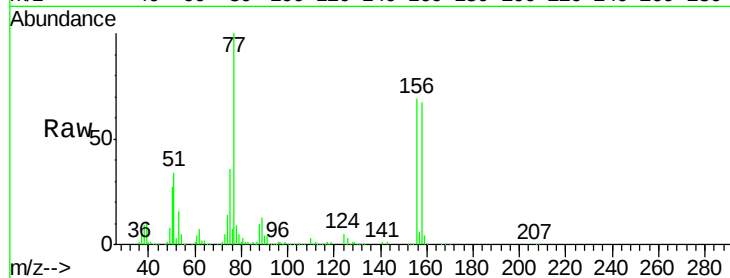
Tgt Ion:156 Resp: 146239

Ion Ratio Lower Upper

156 100

77 177.3 89.0 267.1

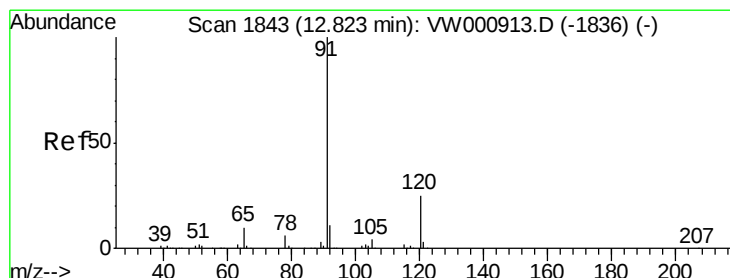
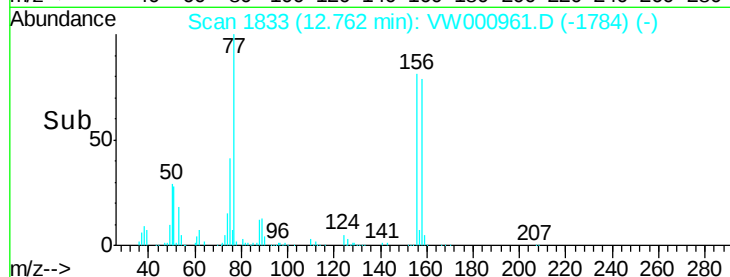
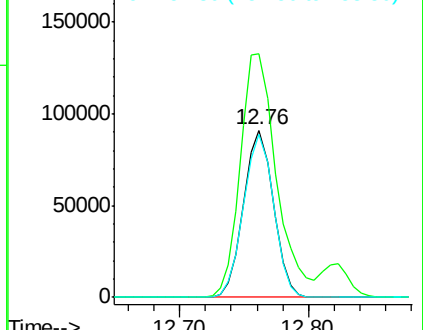
158 98.0 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.85 ug/l

RT: 12.82 min Scan# 1842

Delta R.T. -0.01 min

Lab File: VW000961.D

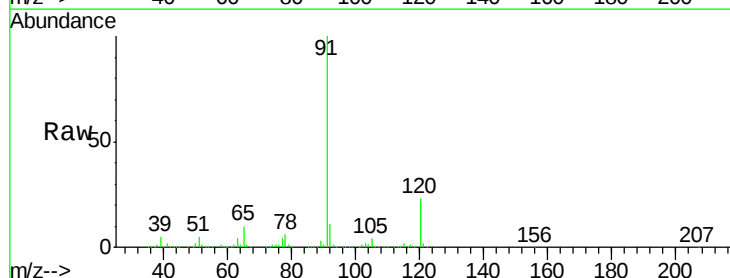
Acq: 24 Jan 2018 21:07

Tgt Ion: 91 Resp: 718064

Ion Ratio Lower Upper

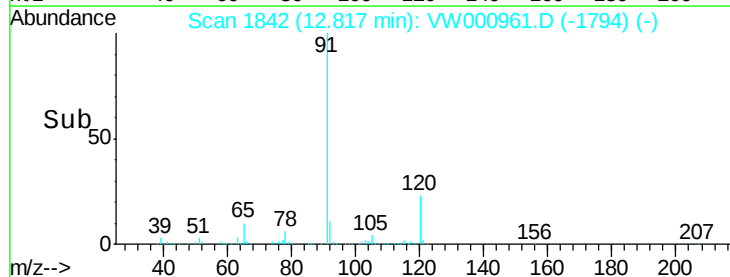
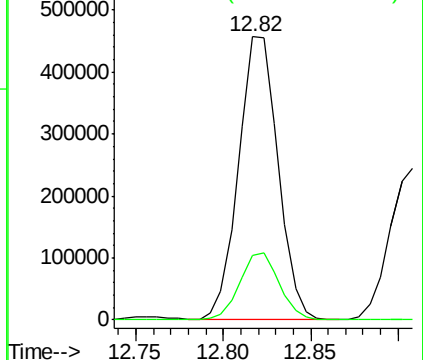
91 100

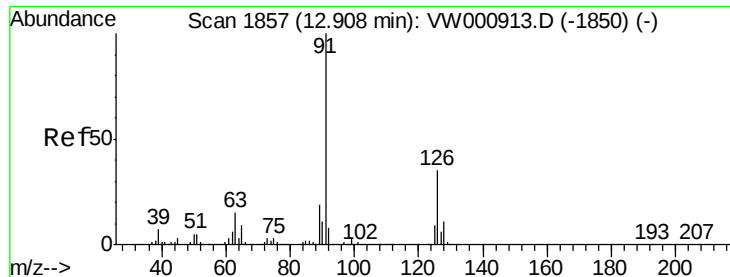
120 23.6 12.0 36.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.84 ug/l

RT: 12.91 min Scan# 1857

Delta R.T. 0.00 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Instrument :

MSVOA_W

ClientSampleId :

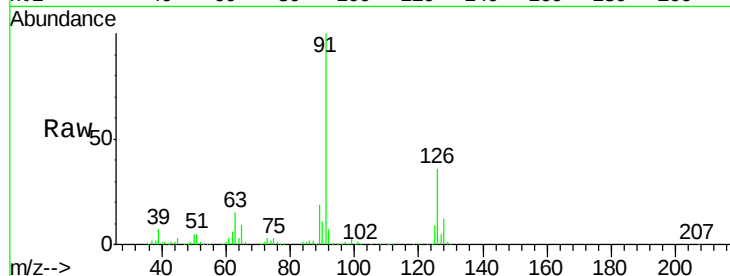
VSTDCCC050EC

Tgt Ion: 91 Resp: 397212

Ion Ratio Lower Upper

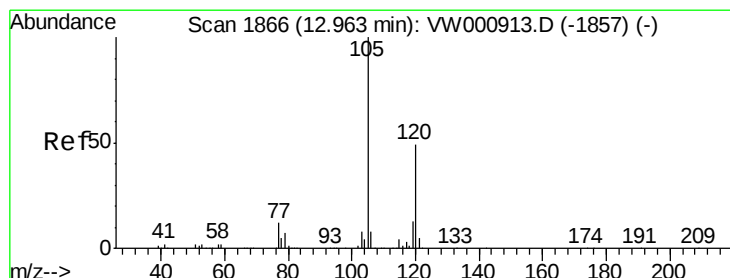
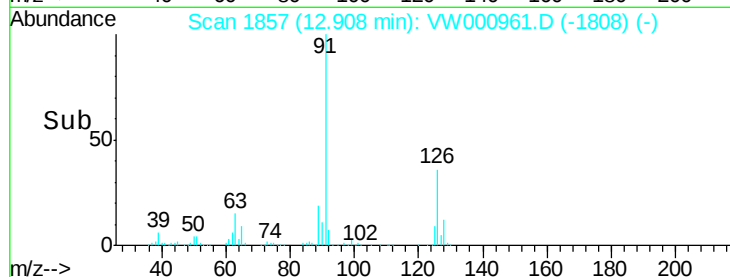
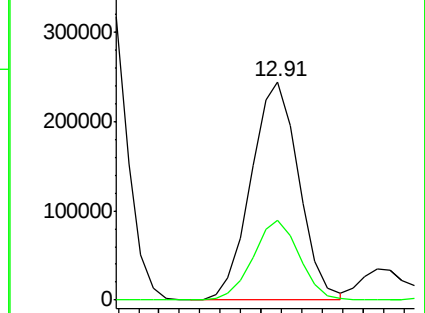
91 100

126 35.4 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 52.35 ug/l

RT: 12.96 min Scan# 1865

Delta R.T. -0.01 min

Lab File: VW000961.D

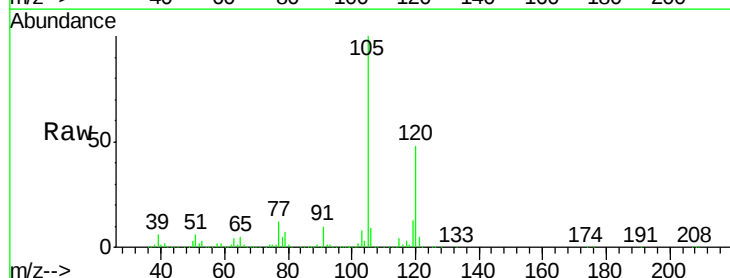
Acq: 24 Jan 2018 21:07

Tgt Ion: 105 Resp: 511242

Ion Ratio Lower Upper

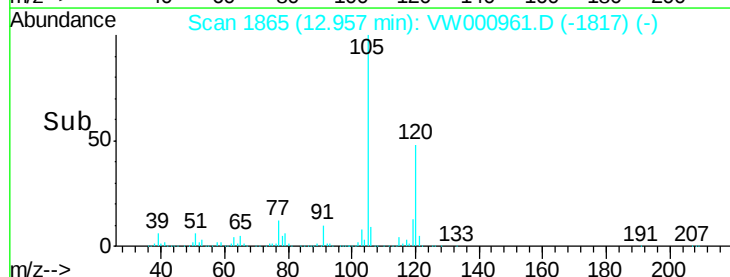
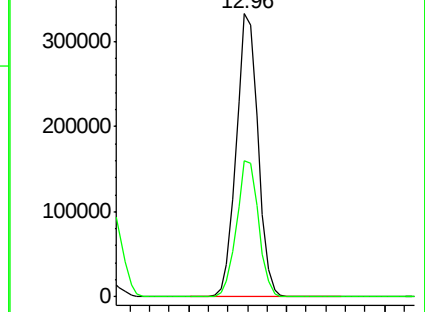
105 100

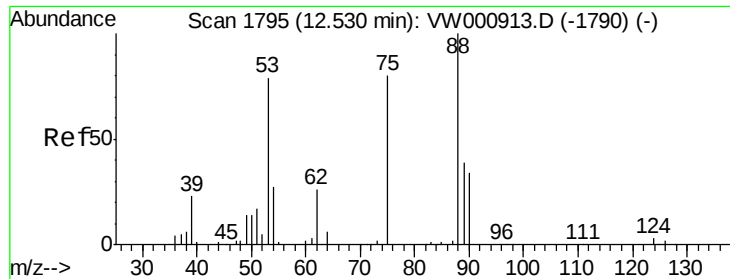
120 48.8 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 43.25 ug/l

RT: 12.52 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

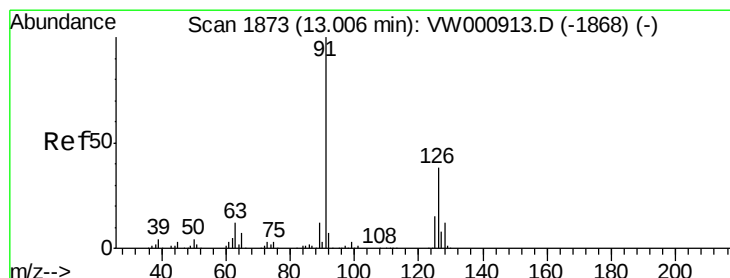
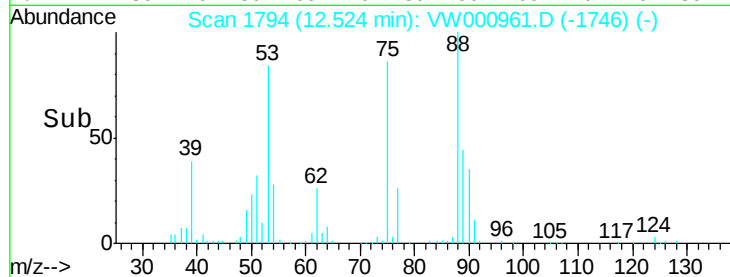
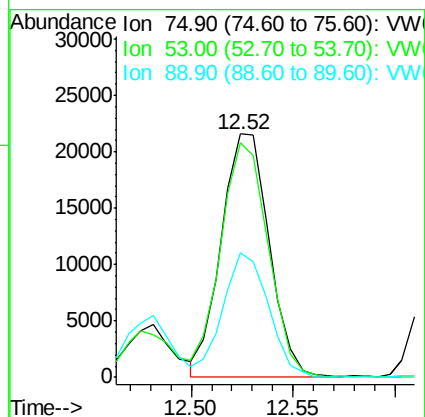
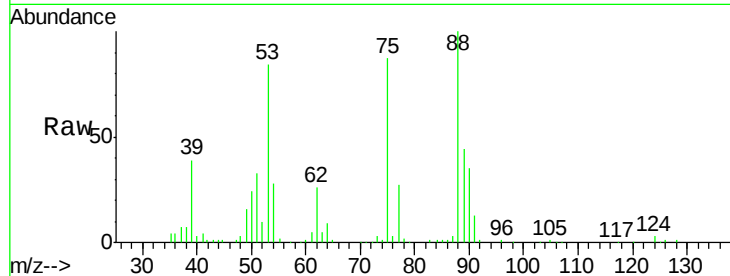
Tgt Ion: 75 Resp: 34893

Ion Ratio Lower Upper

75 100

53 96.0 77.5 116.3

89 49.3 38.2 57.4



#82

4-Chlorotoluene

Concen: 50.31 ug/l

RT: 13.01 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VW000961.D

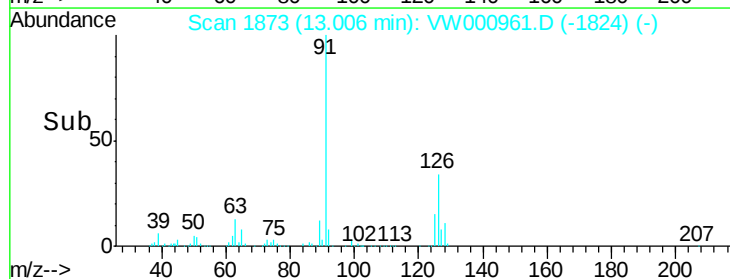
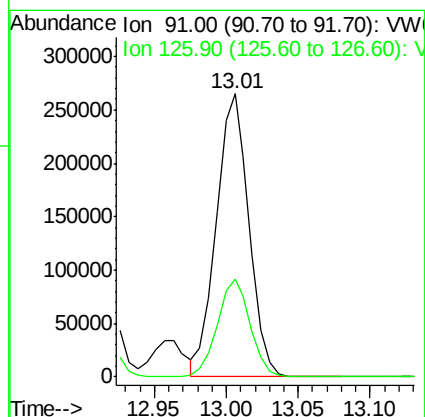
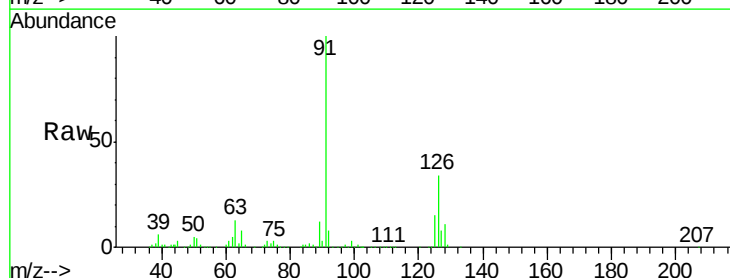
Acq: 24 Jan 2018 21:07

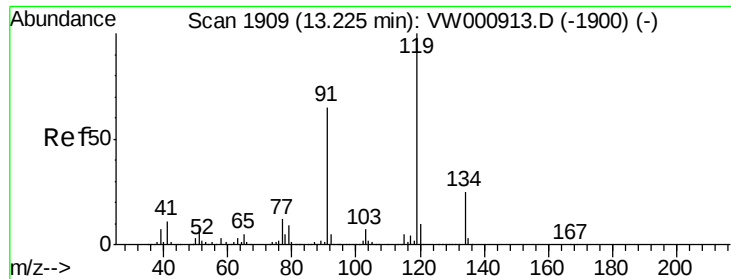
Tgt Ion: 91 Resp: 417583

Ion Ratio Lower Upper

91 100

126 34.6 17.6 52.9

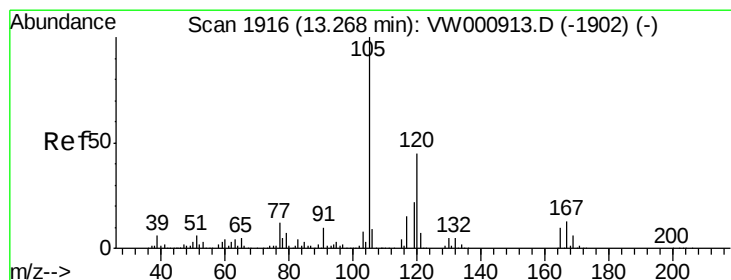
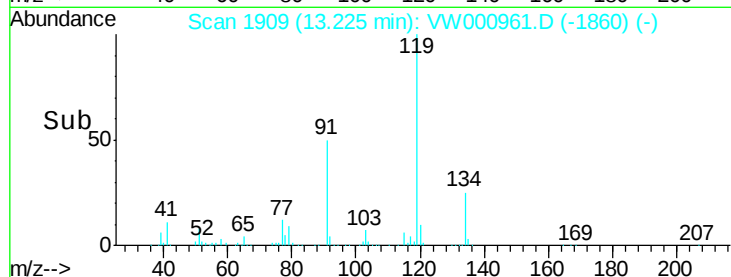
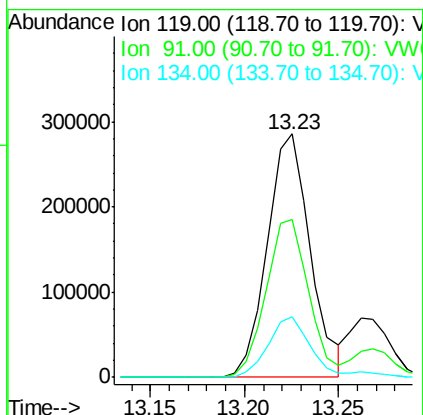
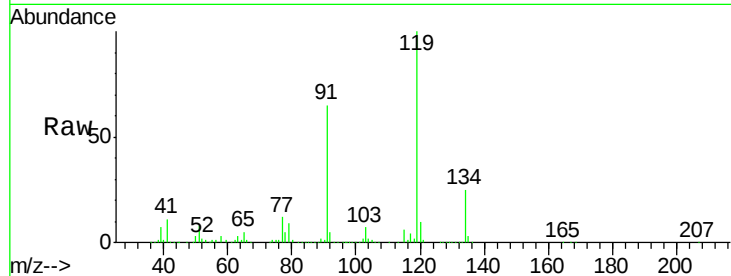




#83
 tert-Butylbenzene
 Concen: 52.86 ug/l
 RT: 13.23 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VW000961.D
 Acq: 24 Jan 2018 21:07

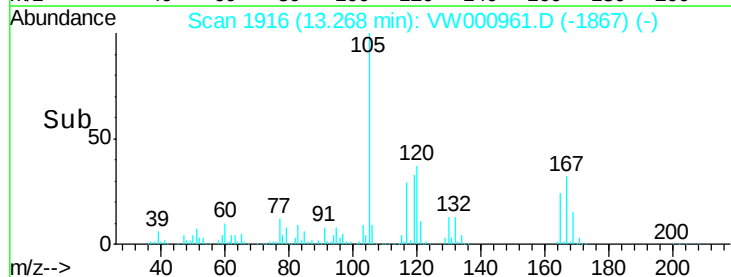
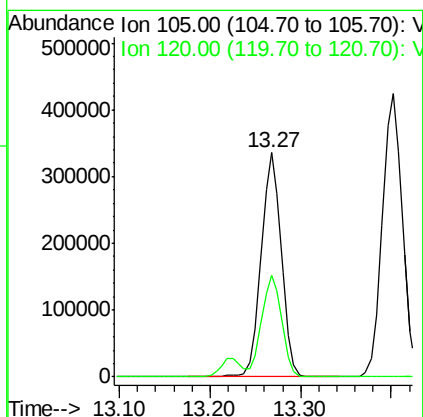
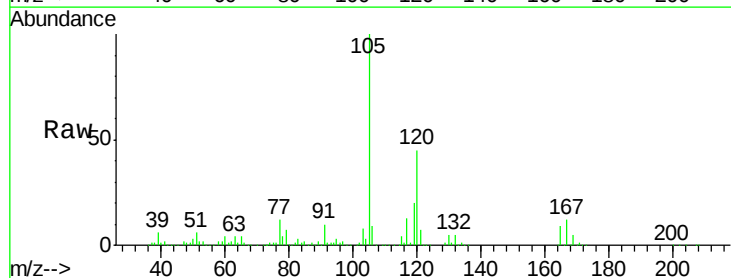
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

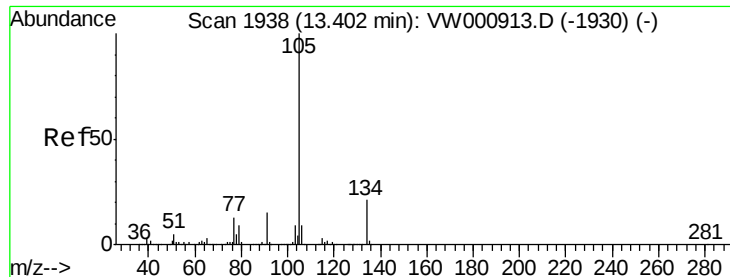
Tgt Ion:119 Resp: 452297
 Ion Ratio Lower Upper
 119 100
 91 64.4 32.4 97.0
 134 25.8 13.1 39.3



#84
 1,2,4-Trimethylbenzene
 Concen: 52.04 ug/l
 RT: 13.27 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW000961.D
 Acq: 24 Jan 2018 21:07

Tgt Ion:105 Resp: 513893
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.4 67.0

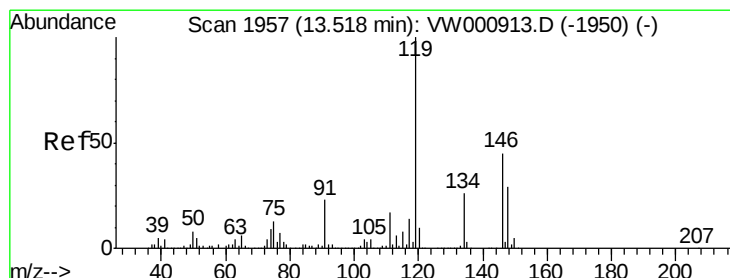
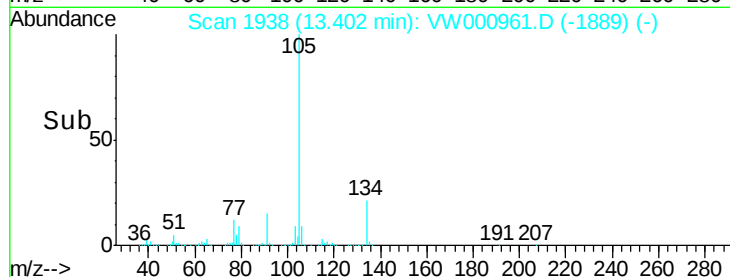
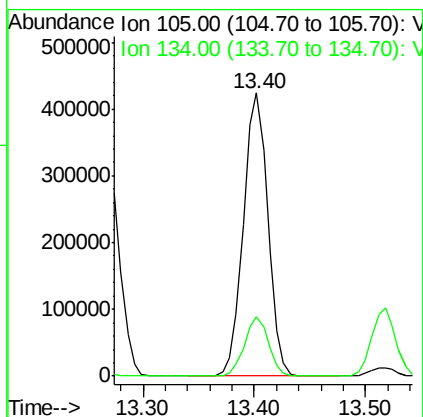
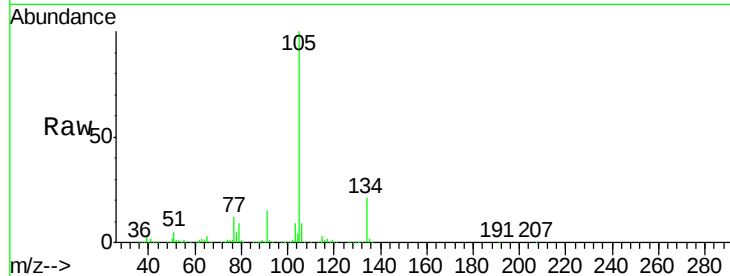




#85
 sec-Butylbenzene
 Concen: 52.39 ug/l
 RT: 13.40 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VW000961.D
 Acq: 24 Jan 2018 21:07

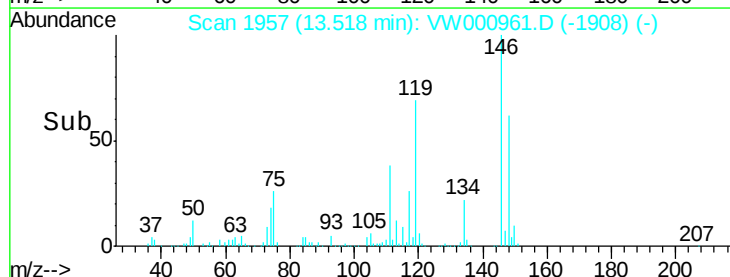
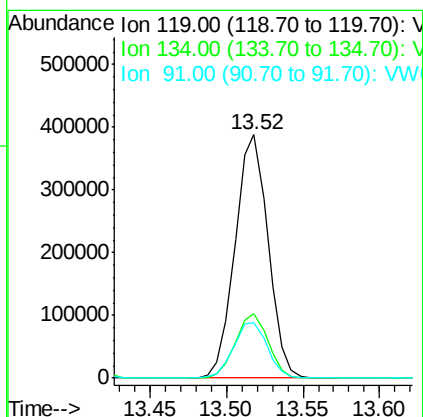
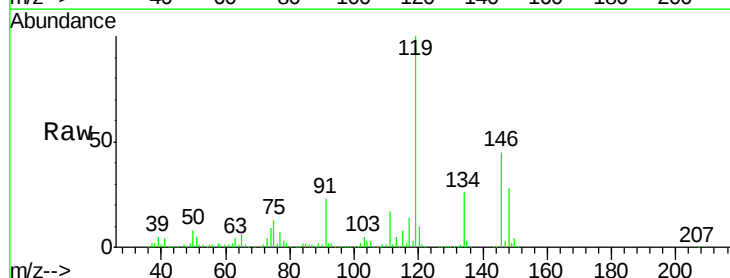
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

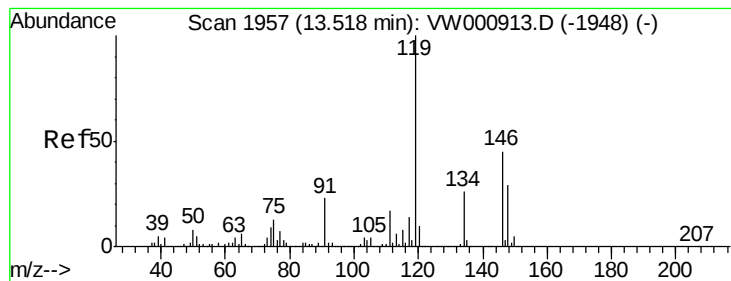
Tgt Ion:105 Resp: 646846
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.3 30.9



#86
 p-Isopropyltoluene
 Concen: 52.78 ug/l
 RT: 13.52 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VW000961.D
 Acq: 24 Jan 2018 21:07

Tgt Ion:119 Resp: 578050
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.2 39.6
 91 23.3 11.7 35.0





#87

1,3-Dichlorobenzene

Concen: 49.36 ug/l

RT: 13.52 min Scan# 1957

Delta R.T. 0.00 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

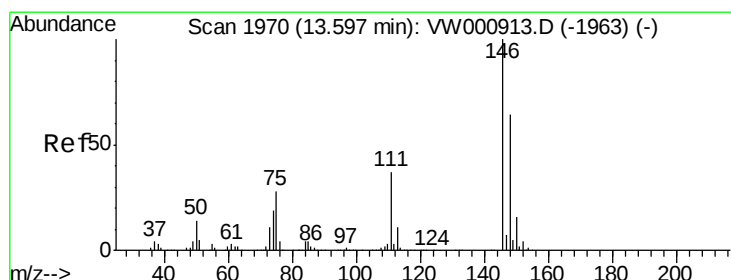
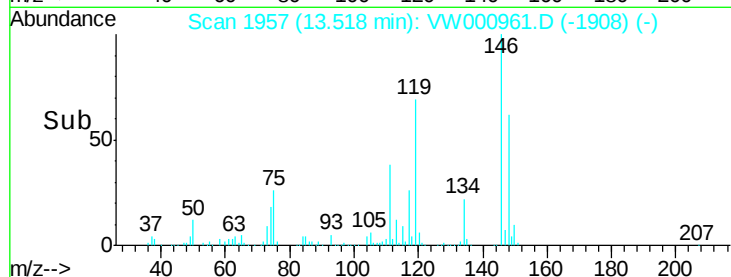
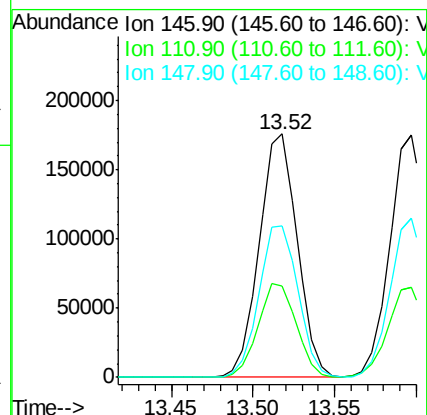
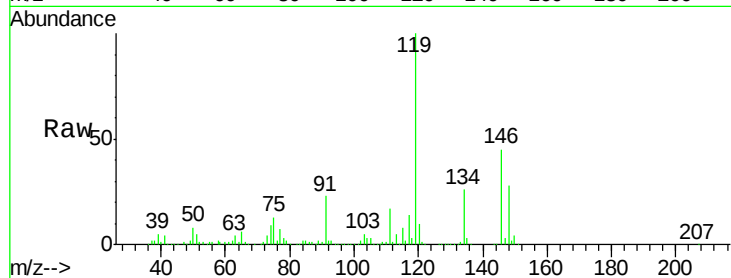
Tgt Ion:146 Resp: 285947

Ion Ratio Lower Upper

146 100

111 38.7 19.7 59.0

148 64.0 32.4 97.0



#88

1,4-Dichlorobenzene

Concen: 48.72 ug/l

RT: 13.60 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

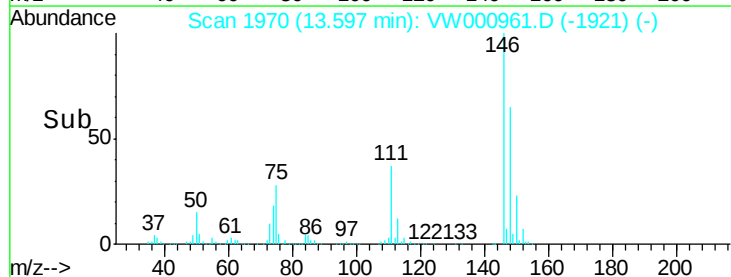
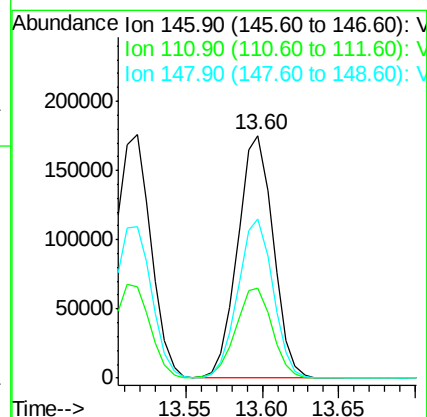
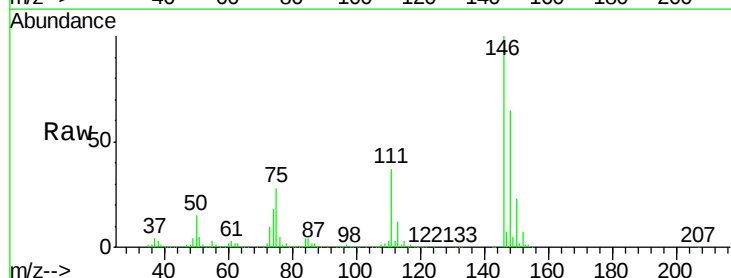
Tgt Ion:146 Resp: 282227

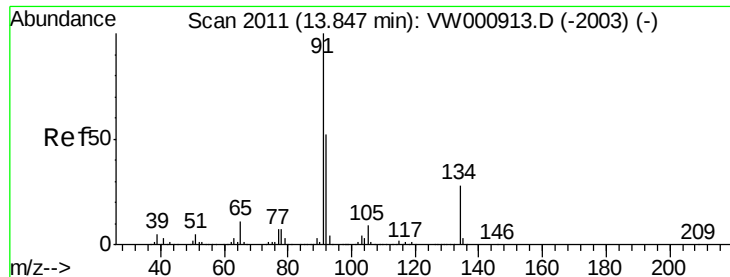
Ion Ratio Lower Upper

146 100

111 38.1 19.0 57.0

148 65.0 32.4 97.2





#89

n-Butylbenzene

Concen: 52.47 ug/l

RT: 13.84 min Scan# 2010

Delta R.T. -0.01 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

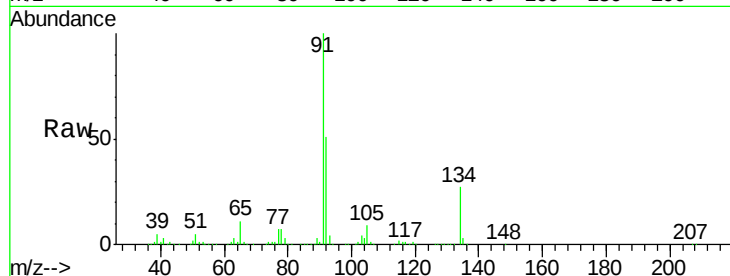
Tgt Ion: 91 Resp: 539792

Ion Ratio Lower Upper

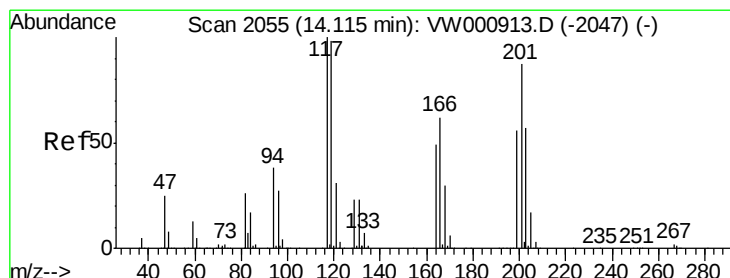
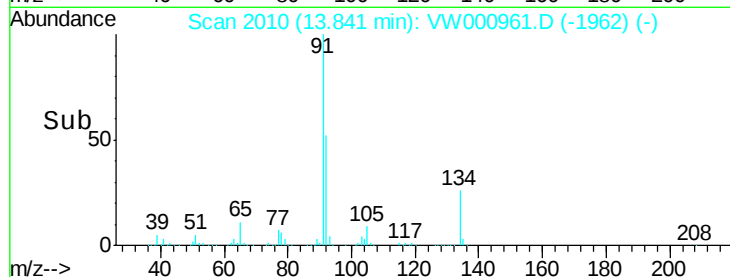
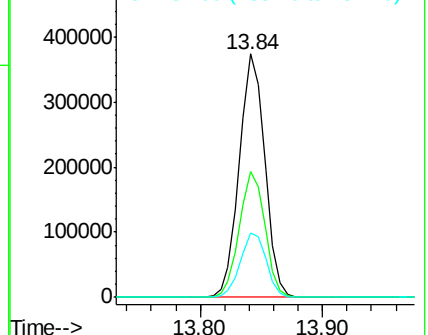
91 100

92 51.8 26.2 78.6

134 26.7 13.7 41.1



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 50.14 ug/l

RT: 14.11 min Scan# 2054

Delta R.T. -0.01 min

Lab File: VW000961.D

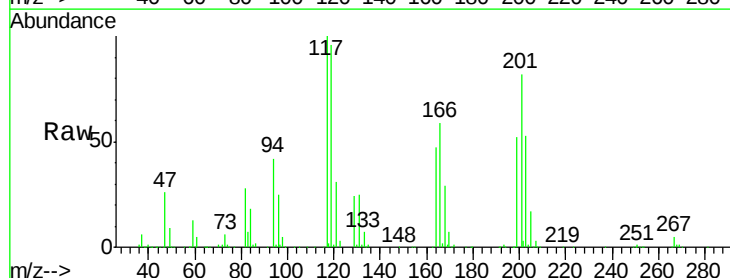
Acq: 24 Jan 2018 21:07

Tgt Ion: 117 Resp: 102079

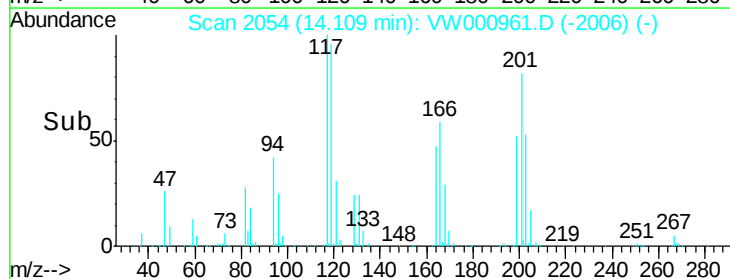
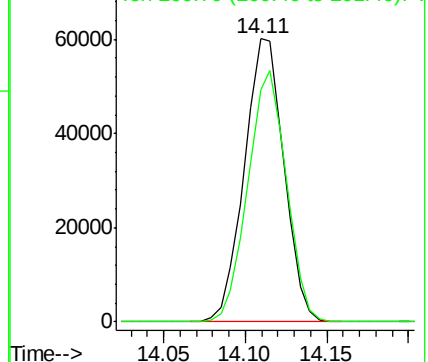
Ion Ratio Lower Upper

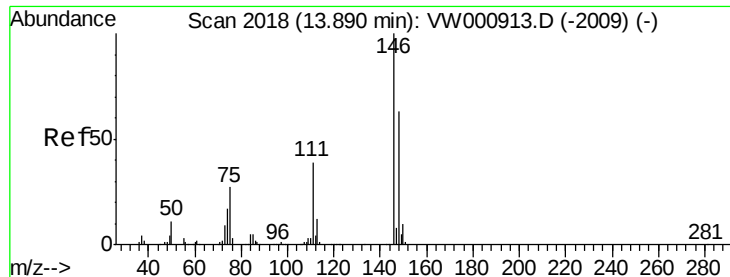
117 100

201 86.1 42.8 128.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 50.22 ug/l

RT: 13.89 min Scan# 2018

Delta R.T. 0.00 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

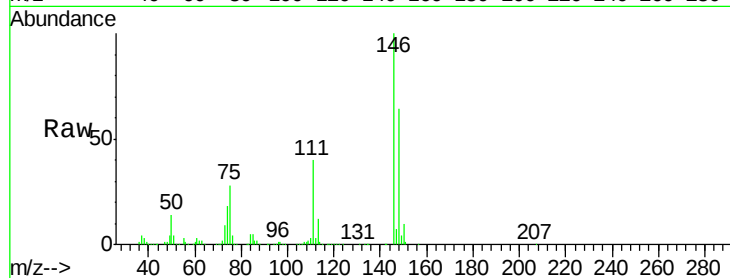
Tgt Ion:146 Resp: 262063

Ion Ratio Lower Upper

146 100

111 39.6 19.8 59.4

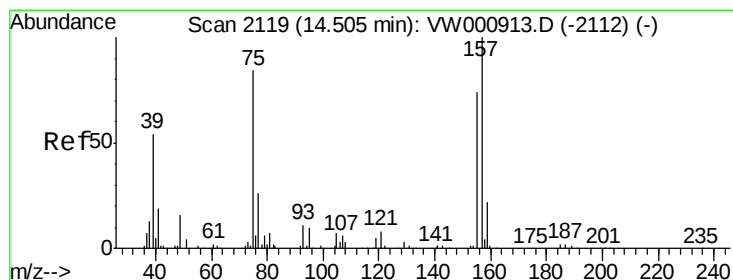
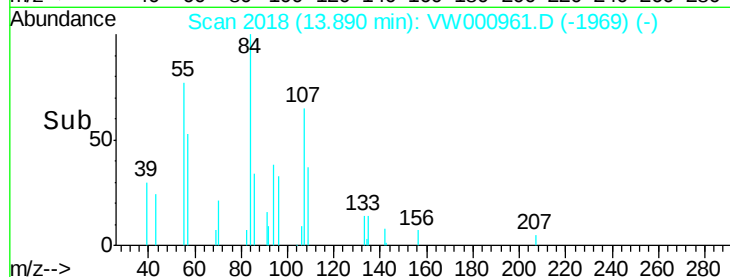
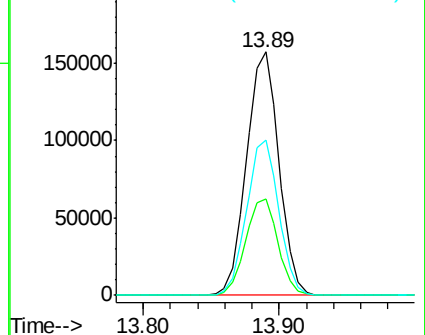
148 63.4 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 55.37 ug/l

RT: 14.51 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VW000961.D

Acq: 24 Jan 2018 21:07

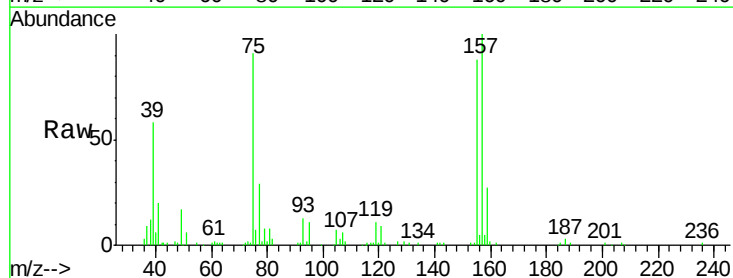
Tgt Ion: 75 Resp: 29983

Ion Ratio Lower Upper

75 100

155 92.1 45.9 137.6

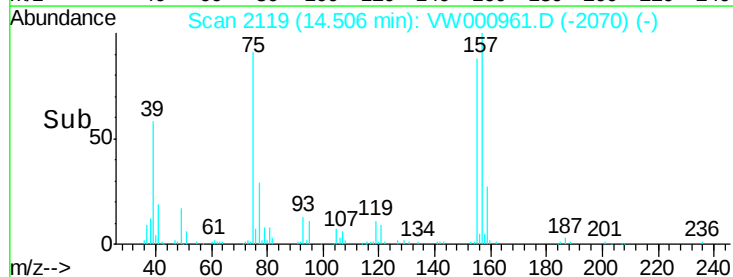
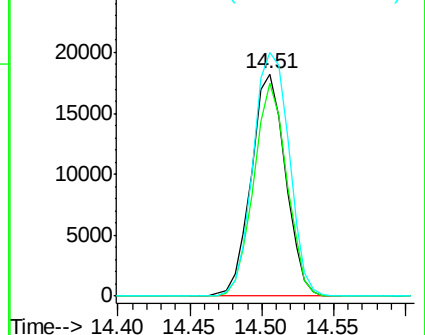
157 114.9 59.8 179.3

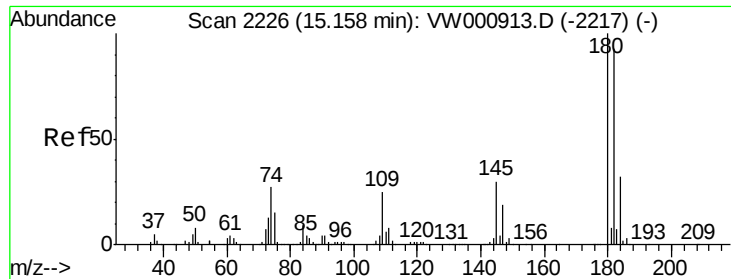


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

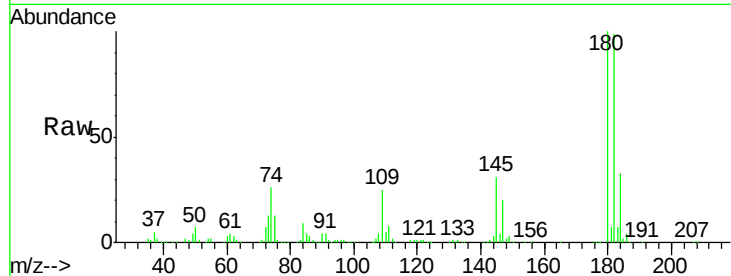




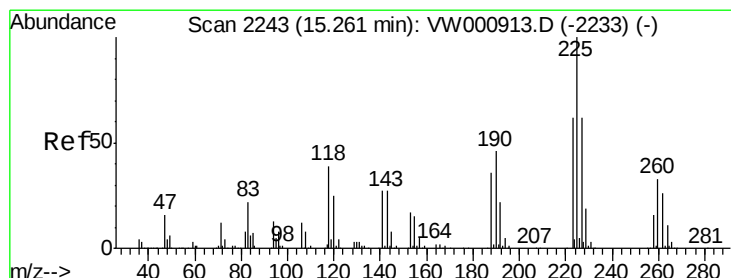
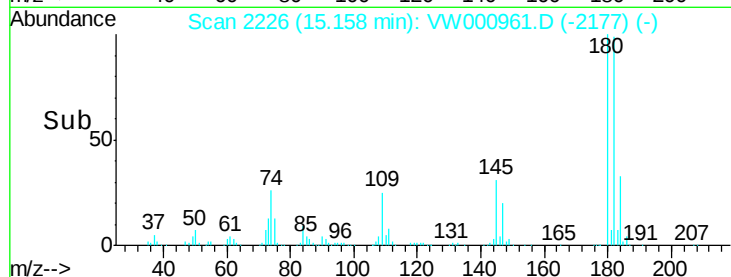
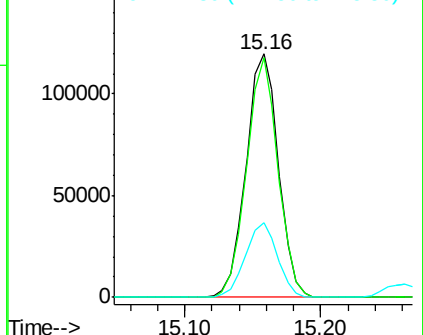
#93
 1,2,4-Trichlorobenzene
 Concen: 51.32 ug/l
 RT: 15.16 min Scan# 2226
 Delta R.T. 0.00 min
 Lab File: VW000961.D
 Acq: 24 Jan 2018 21:07

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:180 Resp: 199598
 Ion Ratio Lower Upper
 180 100
 182 95.4 47.5 142.6
 145 30.5 14.9 44.7

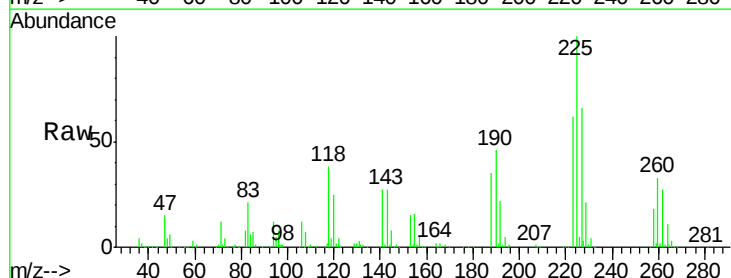


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

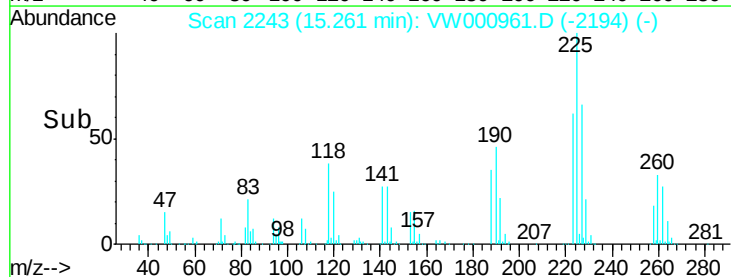
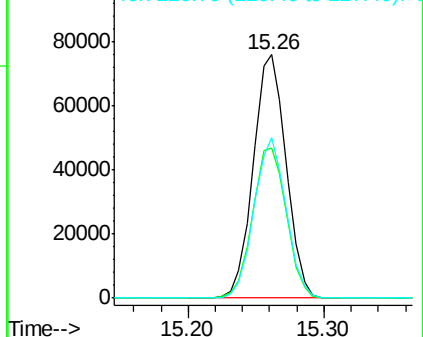


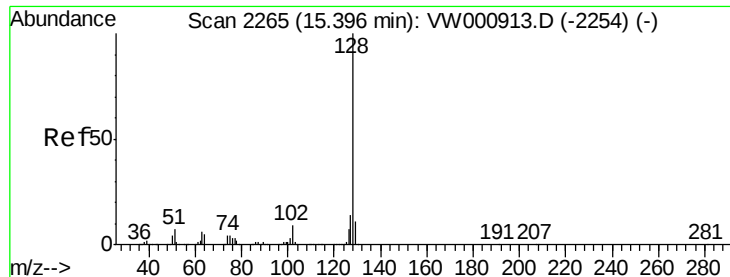
#94
 Hexachlorobutadiene
 Concen: 52.29 ug/l
 RT: 15.26 min Scan# 2243
 Delta R.T. 0.00 min
 Lab File: VW000961.D
 Acq: 24 Jan 2018 21:07

Tgt Ion:225 Resp: 128905
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.3 93.8
 227 64.2 31.8 95.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

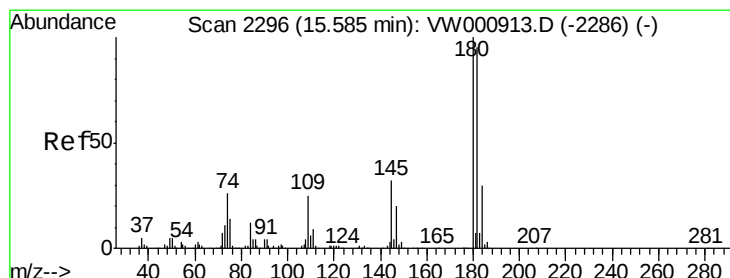
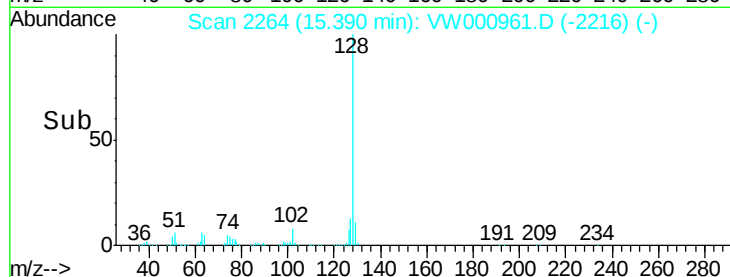
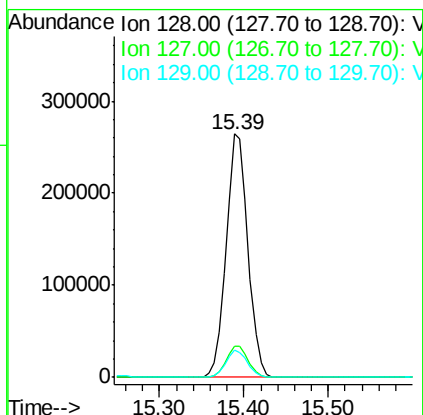
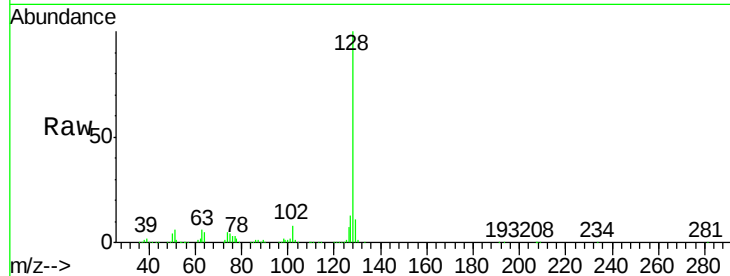




#95
Naphthalene
Concen: 56.47 ug/l
RT: 15.39 min Scan# 2264
Delta R.T. -0.01 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 463568
Ion Ratio Lower Upper
128 100
127 13.0 10.6 15.8
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 52.12 ug/l
RT: 15.58 min Scan# 2296
Delta R.T. 0.00 min
Lab File: VW000961.D
Acq: 24 Jan 2018 21:07

Tgt Ion:180 Resp: 186458
Ion Ratio Lower Upper
180 100
182 95.9 47.4 142.3
145 31.6 15.8 47.3

