

Data File : VW003250.D
Acq On : 13 Jun 2018 17:24
Operator : VA/AP
Sample : VSTDIC050
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC050

Quant Time: Jun 14 07:53:41 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W061318S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 14 07:51:28 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	272903	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	421654	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	385757	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	207132	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	143256	53.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.28%	
35) Dibromofluoromethane	7.88	113	128118	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
50) Toluene-d8	10.33	98	514907	53.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.50%	
62) 4-Bromofluorobenzene	12.63	95	183104	52.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.36%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.00	85	39023	49.24	ug/l	100
3) Chloromethane	2.21	50	98853	47.25	ug/l	100
4) Vinyl Chloride	2.36	62	140679	43.49	ug/l	100
5) Bromomethane	2.78	94	94044	40.17	ug/l	100
6) Chloroethane	2.92	64	95650	39.11	ug/l	100
7) Trichlorofluoromethane	3.25	101	85937	47.45	ug/l	100
8) Diethyl Ether	3.68	74	63916	44.56	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	117929	48.35	ug/l	100
10) Methyl Iodide	4.26	142	180666	45.15	ug/l	100
11) Tert butyl alcohol	5.25	59	41187	233.39	ug/l	100
12) 1,1-Dichloroethene	4.03	96	113538	46.22	ug/l	100
13) Acrolein	3.90	56	54027	293.46	ug/l	100
14) Allyl chloride	4.66	41	203542	49.96	ug/l	100
15) Acrylonitrile	5.38	53	135594	244.31	ug/l	100
16) Acetone	4.15	43	148862	276.61	ug/l	100
17) Carbon Disulfide	4.37	76	336285	45.38	ug/l	100
18) Methyl Acetate	4.68	43	70211	50.68	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	227411	49.22	ug/l	100
20) Methylene Chloride	4.91	84	130221	47.83	ug/l	100
21) trans-1,2-Dichloroethene	5.42	96	125185	46.78	ug/l	100
22) Diisopropyl ether	6.32	45	420220	50.59	ug/l	100
23) Vinyl Acetate	6.26	43	1246482	254.93	ug/l	100
24) 1,1-Dichloroethane	6.21	63	241442	49.32	ug/l	100
25) 2-Butanone	7.18	43	194378	263.33	ug/l	100
26) 2,2-Dichloropropane	7.17	77	159028	52.68	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	142155	48.36	ug/l	100
28) Bromochloromethane	7.51	49	110269	55.82	ug/l	100
29) Tetrahydrofuran	7.54	42	116255	244.21	ug/l	100
30) Chloroform	7.68	83	249340	49.55	ug/l	100
31) Cyclohexane	7.96	56	209259	45.27	ug/l	100
32) 1,1,1-Trichloroethane	7.88	97	204311	50.13	ug/l	100
36) 1,1-Dichloropropene	8.09	75	195047	49.22	ug/l	100
37) Ethyl Acetate	7.26	43	82592	47.42	ug/l	100
38) Carbon Tetrachloride	8.07	117	192448	49.76	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	226253	48.20	ug/l	100
40) Benzene	8.33	78	538660	48.54	ug/l	100
41) Methacrylonitrile	7.49	41	50866	50.93	ug/l	100
42) 1,2-Dichloroethane	8.40	62	169744	49.20	ug/l	100
43) Isopropyl Acetate	8.43	43	166148	49.33	ug/l	100
44) Trichloroethene	9.10	130	143700	48.12	ug/l	100
45) 1,2-Dichloropropane	9.37	63	138430	49.69	ug/l	100
46) Dibromomethane	9.46	93	70760	47.52	ug/l	100
47) Bromodichloromethane	9.65	83	181916	50.03	ug/l	100
48) Methyl methacrylate	9.45	41	80864	50.52	ug/l	100
49) 1,4-Dioxane	9.49	88	22746	985.65	ug/l	100
51) 4-Methyl-2-Pentanone	10.22	43	433574	253.32	ug/l	100
52) Toluene	10.39	92	348150	48.90	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	190834	50.96	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	214808	50.43	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	100091	48.64	ug/l	100
56) Ethyl methacrylate	10.65	69	130069	51.00	ug/l	100
57) 1,3-Dichloropropane	10.94	76	174044	48.97	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	285775	245.68	ug/l	100
59) 2-Hexanone	10.98	43	309807	265.98	ug/l	100
60) Dibromochloromethane	11.13	129	121870	49.25	ug/l	100
61) 1,2-Dibromoethane	11.24	107	96066	48.45	ug/l	100
64) Tetrachloroethene	10.87	164	123216	45.10	ug/l	100
65) Chlorobenzene	11.66	112	385087	48.55	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	138148	49.93	ug/l	100
67) Ethyl Benzene	11.74	91	697909	49.75	ug/l	100
68) m/p-Xylenes	11.85	106	530983	99.01	ug/l	100
69) o-Xylene	12.17	106	250363	49.51	ug/l	100
70) Styrene	12.19	104	420723	49.82	ug/l	100
71) Bromoform	12.35	173	73764	49.89	ug/l	100
73) Isopropylbenzene	12.47	105	710482	49.55	ug/l	100
74) N-amyl acetate	12.28	43	165049	49.95	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	118281	48.43	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	163395	88.95	ug/l #	100
77) Bromobenzene	12.76	156	163317	48.31	ug/l	100
78) n-propylbenzene	12.81	91	870258	50.83	ug/l	100
79) 2-Chlorotoluene	12.90	91	489390	50.30	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	599424	50.13	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	38784	53.55	ug/l	100
82) 4-Chlorotoluene	13.00	91	515197	49.60	ug/l	100
83) tert-Butylbenzene	13.21	119	512419	48.69	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	616548	49.92	ug/l	100
85) sec-Butylbenzene	13.40	105	755234	50.52	ug/l	100
86) p-Isopropyltoluene	13.51	119	674372	50.45	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	333470	49.00	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	330690	48.65	ug/l	100
89) n-Butylbenzene	13.83	91	654058	51.71	ug/l	100
90) Hexachloroethane	14.10	117	120499	50.76	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	294031	48.52	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	20509	48.89	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW061318\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	208019	48.22	ug/l	100
94) Hexachlorobutadiene	15.25	225	124778	49.36	ug/l	100
95) Naphthalene	15.38	128	369281	48.40	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	181936	47.91	ug/l	100

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

Data File : VW003250.D

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Misc : 5.00G/5ML/MSVOA_W/SOIL

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ALS Vial      : 7      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

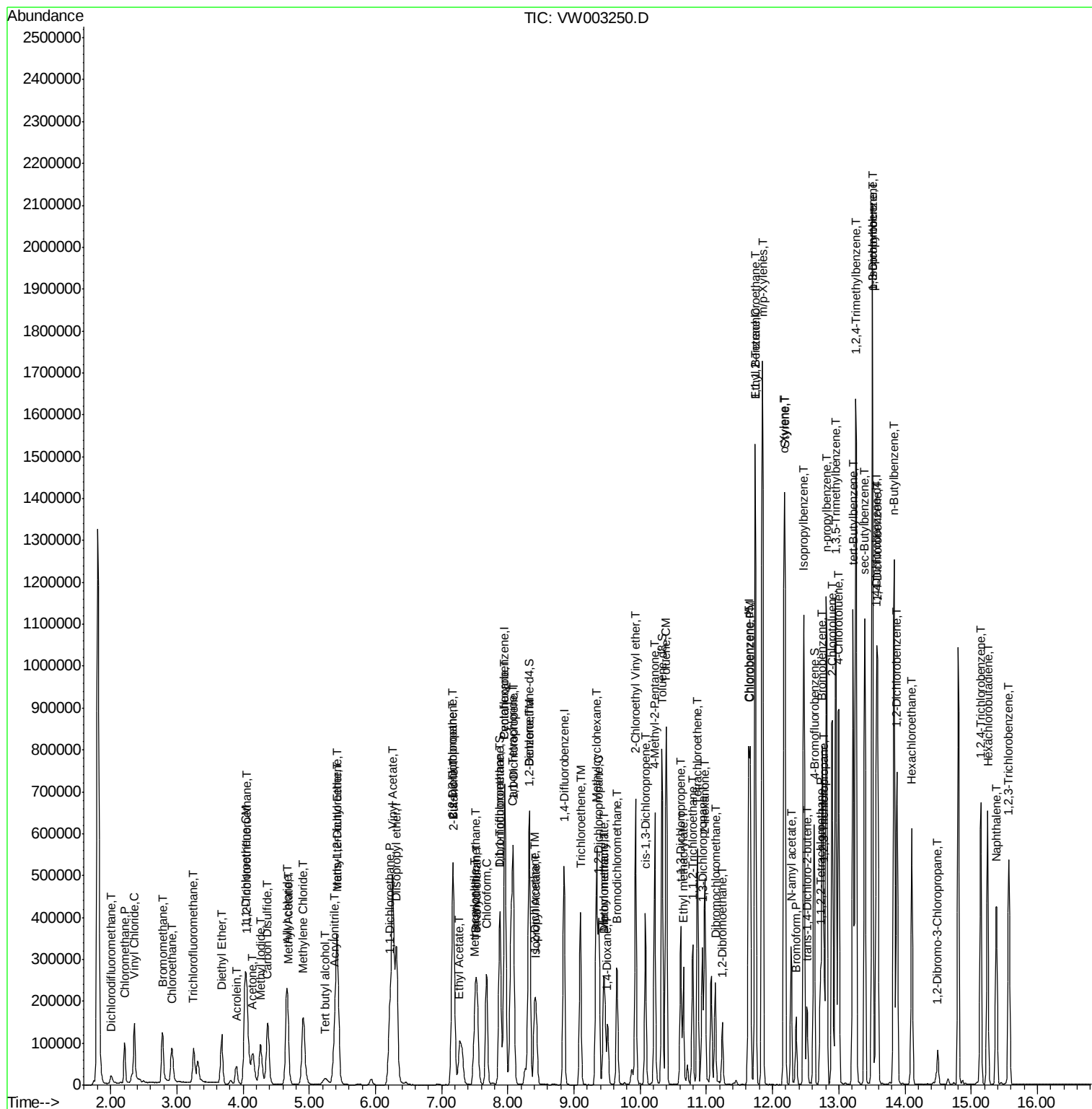
Quant Time: Jun 14 07:53:41 2018

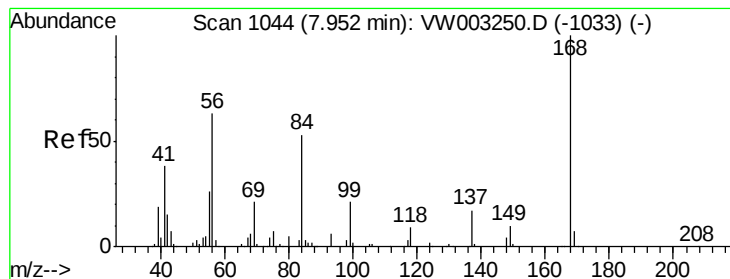
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_W\METHOD\82W061318S.M

Quant Title : SW846 8260

QLast Update : Thu Jun 14 07:51:28 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003250.D

Acq: 13 Jun 2018 17:24

Instrument :

MSVOA_W

ClientSampleId :

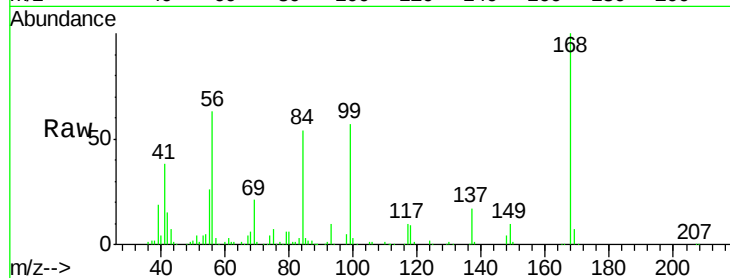
VSTDICCC050

Tgt Ion:168 Resp: 272903

Ion Ratio Lower Upper

168 100

99 56.9 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

100000

50000

0

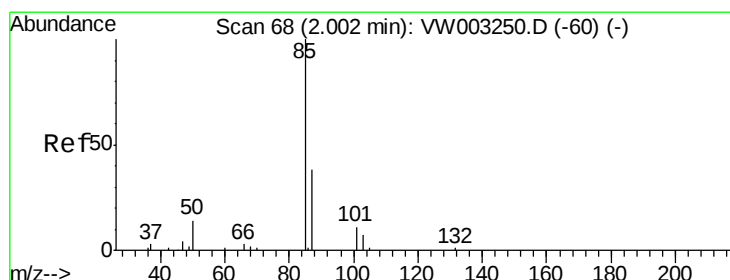
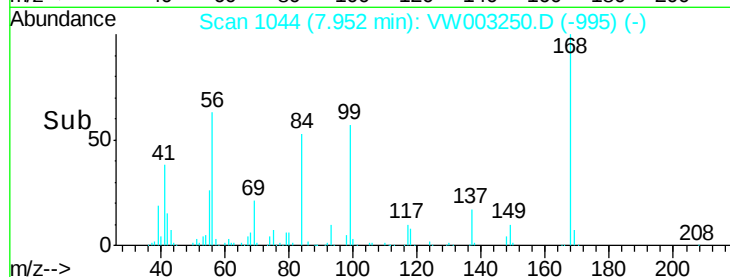
Time-->

7.80

7.90

8.00

8.10



#2

Dichlorodifluoromethane

Concen: 49.24 ug/l

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW003250.D

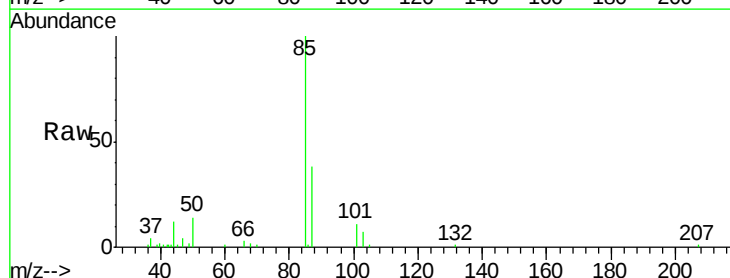
Acq: 13 Jun 2018 17:24

Tgt Ion: 85 Resp: 39023

Ion Ratio Lower Upper

85 100

87 37.8 18.9 56.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

12000

10000

8000

6000

4000

2000

0

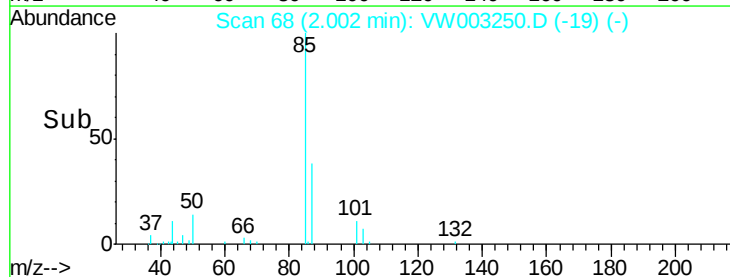
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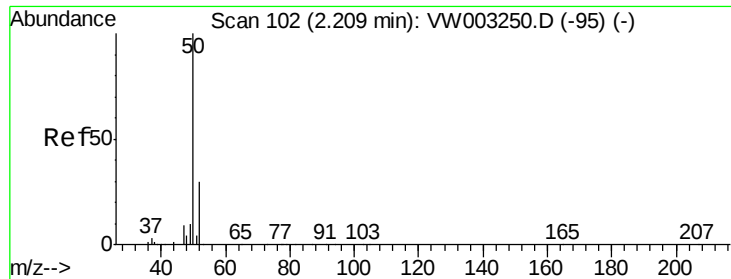
1.90

2.00

2.10

2.20





#3

Chloromethane

Concen: 47.25 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW003250.D

Acq: 13 Jun 2018 17:24

Instrument :

MSVOA_W

ClientSampleId :

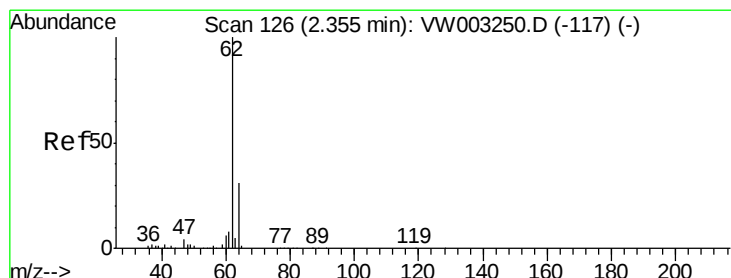
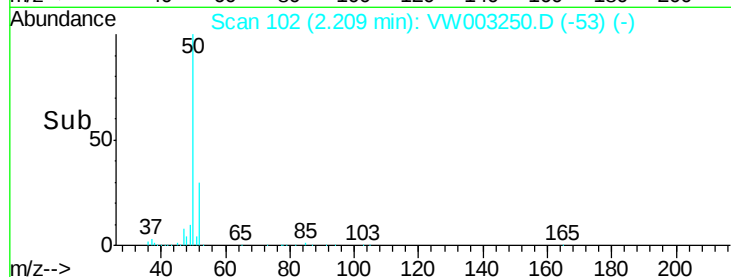
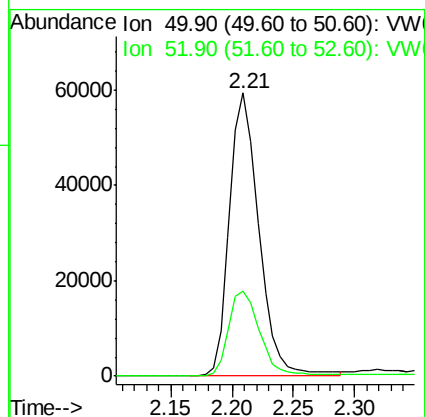
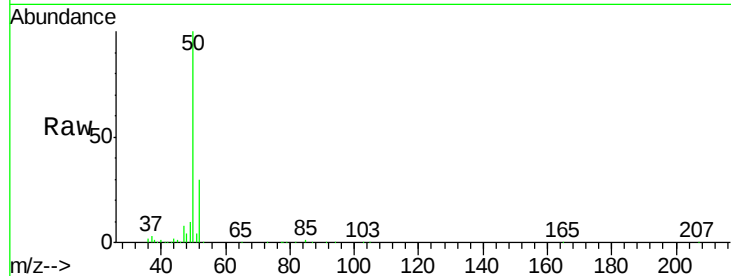
VSTDICCC050

Tgt Ion: 50 Resp: 98853

Ion Ratio Lower Upper

50 100

52 30.2 24.2 36.2



#4

Vinyl Chloride

Concen: 43.49 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW003250.D

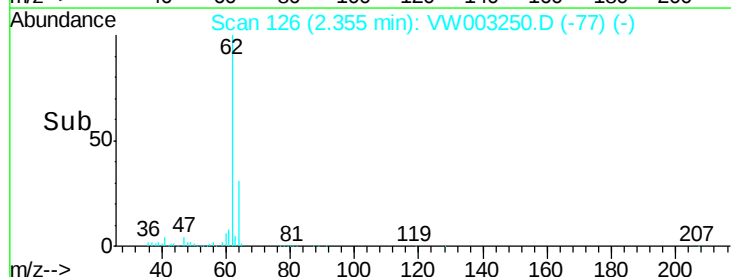
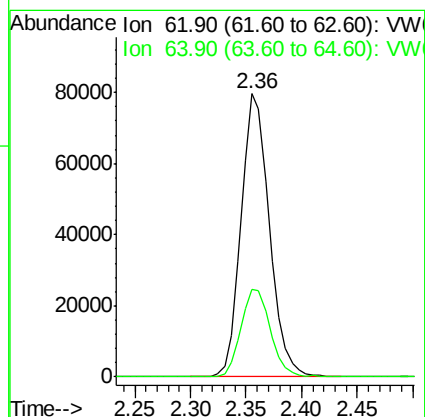
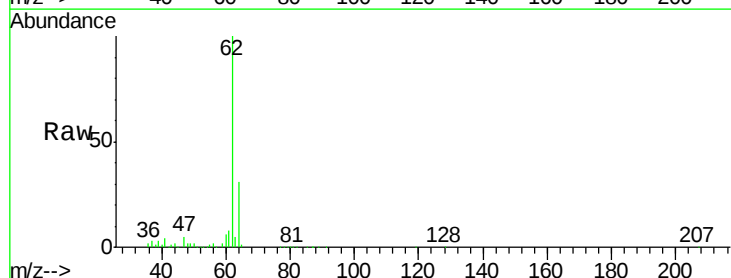
Acq: 13 Jun 2018 17:24

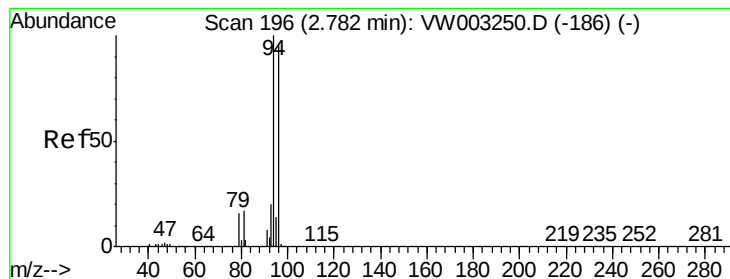
Tgt Ion: 62 Resp: 140679

Ion Ratio Lower Upper

62 100

64 31.1 24.9 37.3





#5

Bromomethane

Concen: 40.17 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW003250.D

Acq: 13 Jun 2018 17:24

Instrument :

MSVOA_W

ClientSampleId :

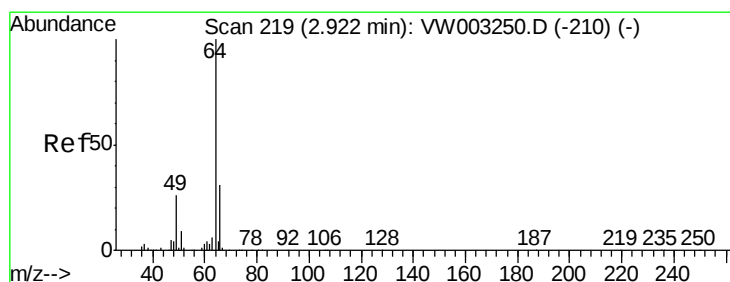
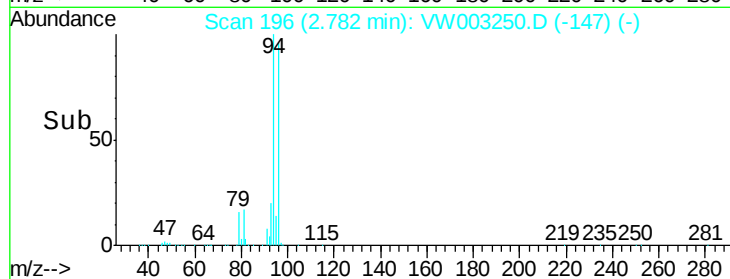
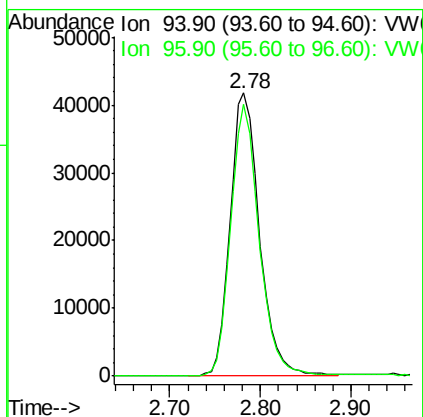
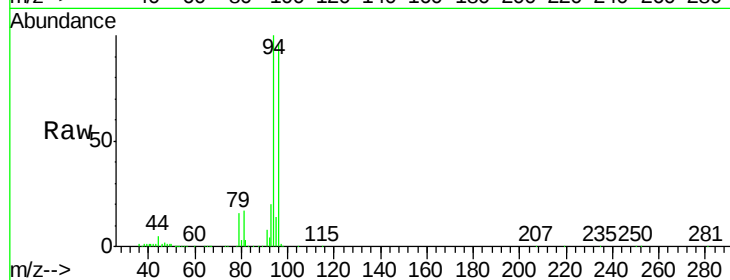
VSTDICCC050

Tgt Ion: 94 Resp: 94044

Ion Ratio Lower Upper

94 100

96 95.6 76.5 114.7



#6

Chloroethane

Concen: 39.11 ug/l

RT: 2.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VW003250.D

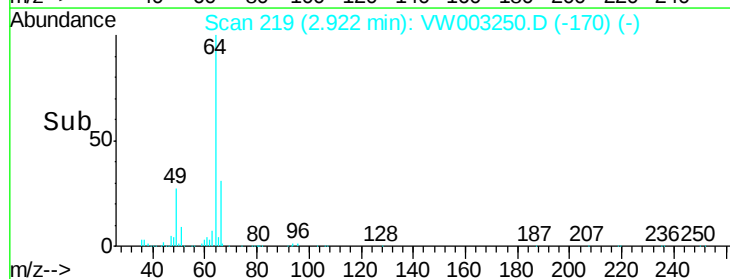
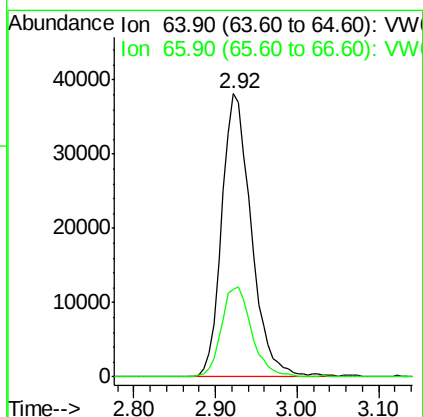
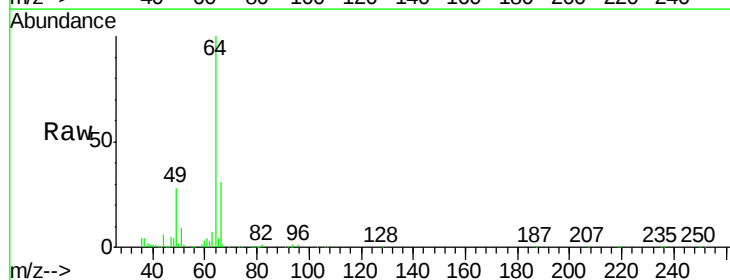
Acq: 13 Jun 2018 17:24

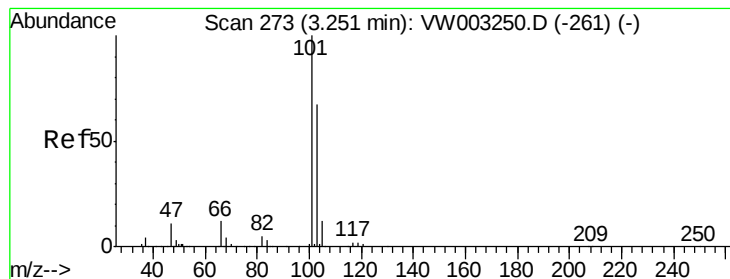
Tgt Ion: 64 Resp: 95650

Ion Ratio Lower Upper

64 100

66 30.5 24.4 36.6



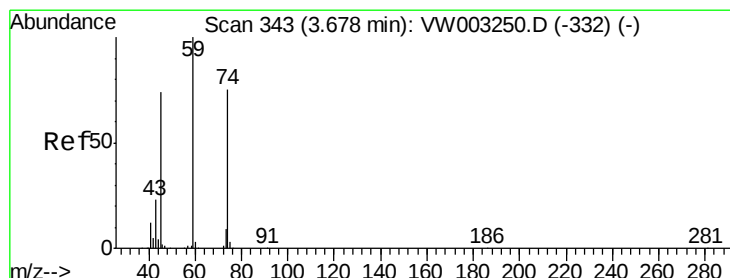
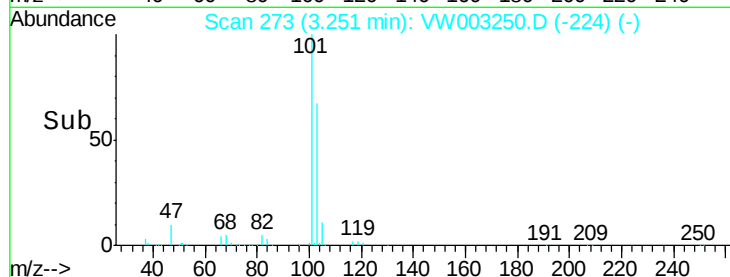
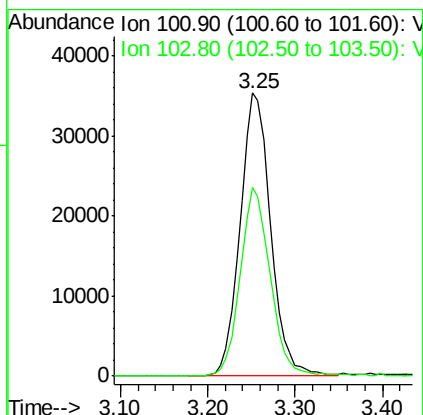
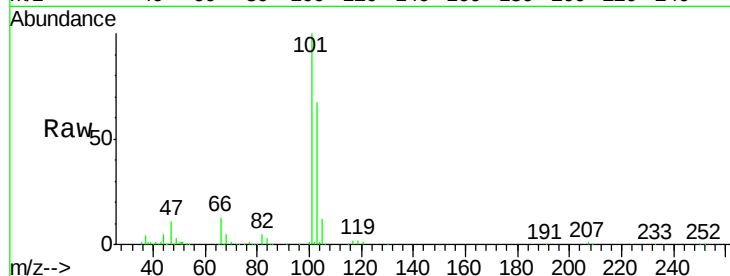


#7

Trichlorofluoromethane
 Concen: 47.45 ug/l
 RT: 3.25 min Scan# 273
 Delta R.T. 0.00 min
 Lab File: VW003250.D
 Acq: 13 Jun 2018 17:24

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 ClientSampleId :
 VSTDICCC050

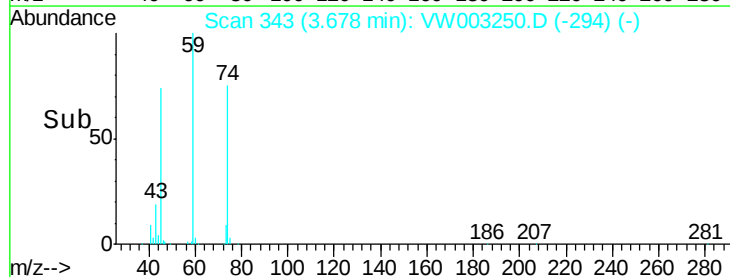
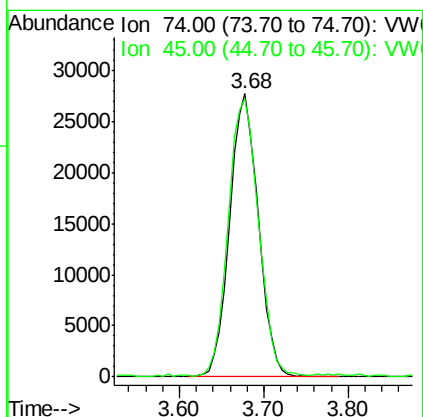
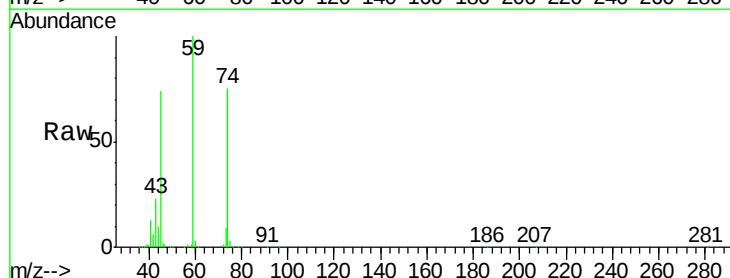
Tgt Ion:101 Resp: 85937
 Ion Ratio Lower Upper
 101 100
 103 66.7 53.4 80.0

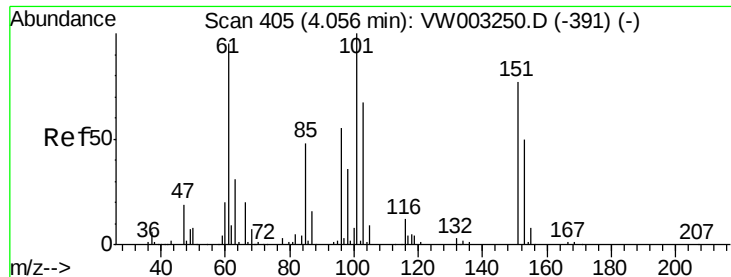


#8

Diethyl Ether
 Concen: 44.56 ug/l
 RT: 3.68 min Scan# 343
 Delta R.T. 0.00 min
 Lab File: VW003250.D
 Acq: 13 Jun 2018 17:24

Tgt Ion: 74 Resp: 63916
 Ion Ratio Lower Upper
 74 100
 45 102.8 51.4 154.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.35 ug/l

RT: 4.06 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW003250.D

Acq: 13 Jun 2018 17:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

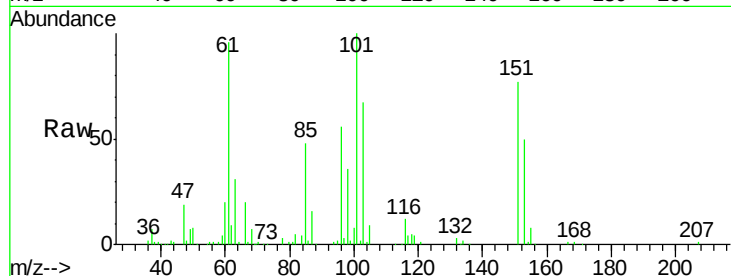
Tgt Ion:101 Resp: 117929

Ion Ratio Lower Upper

101 100

85 46.3 37.0 55.6

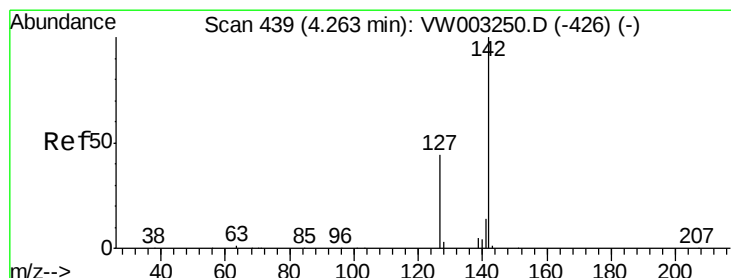
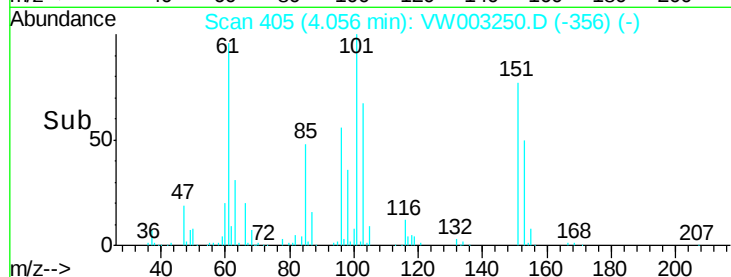
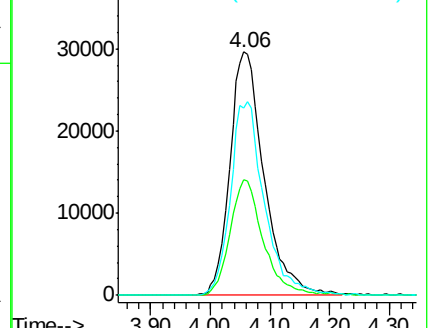
151 79.1 63.3 94.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 45.15 ug/l

RT: 4.26 min Scan# 439

Delta R.T. 0.00 min

Lab File: VW003250.D

Acq: 13 Jun 2018 17:24

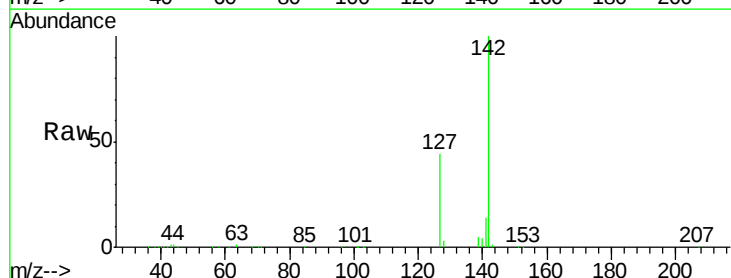
Tgt Ion:142 Resp: 180666

Ion Ratio Lower Upper

142 100

127 45.6 36.5 54.7

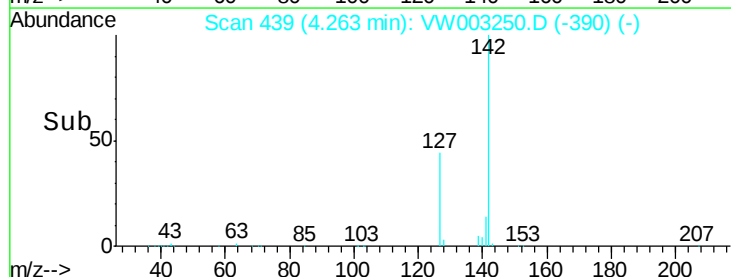
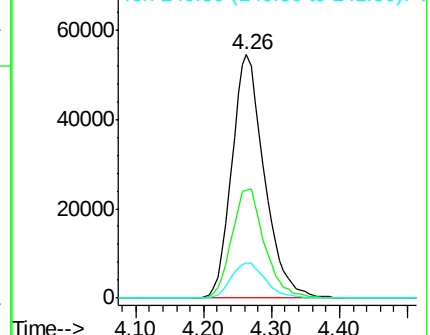
141 15.1 12.1 18.1

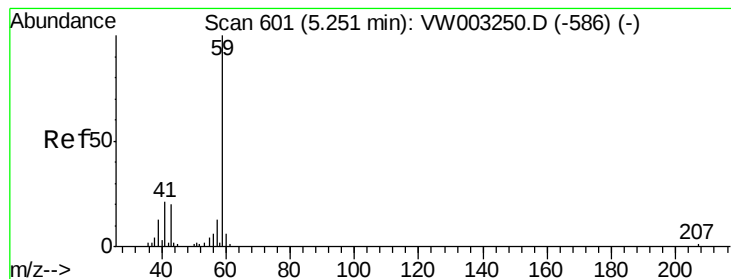


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



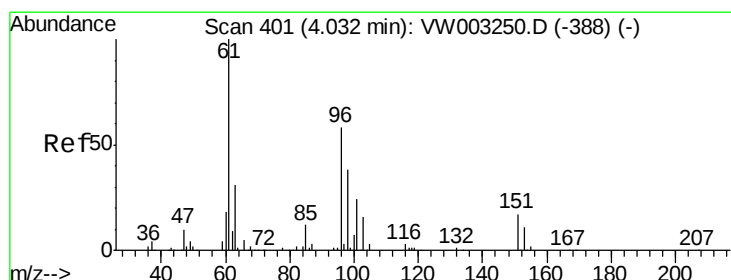
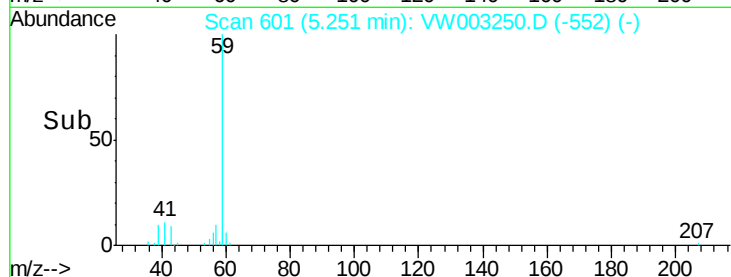
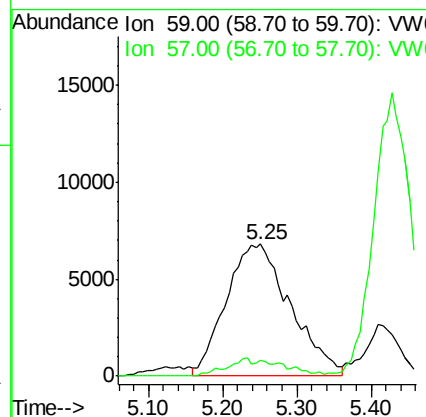
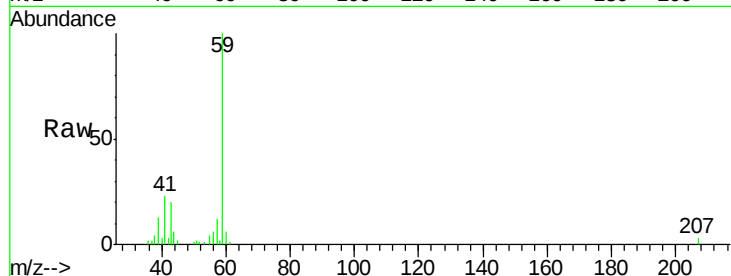


#11

Tert butyl alcohol
Concen: 233.39 ug/l
RT: 5.25 min Scan# 601
Delta R.T. 0.00 min
Lab File: VW003250.D
Acq: 13 Jun 2018 17:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

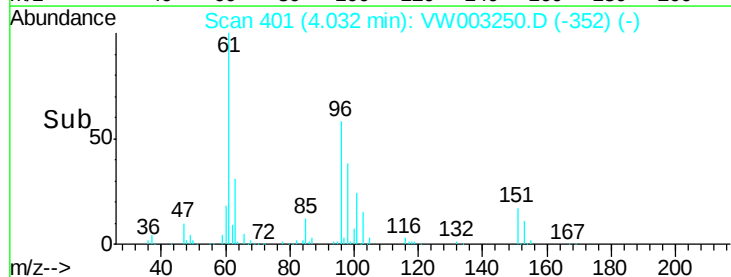
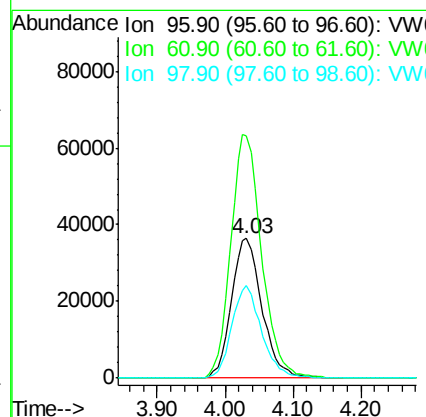
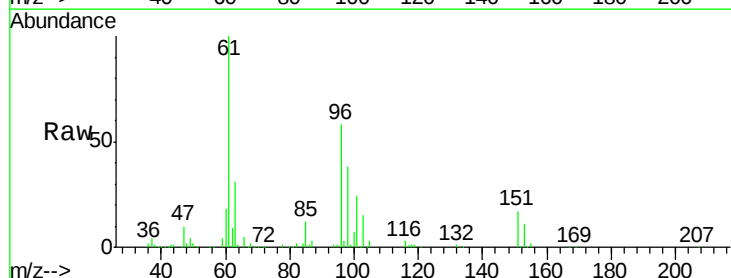
Tgt Ion: 59 Resp: 41187
Ion Ratio Lower Upper
59 100
57 5.2 4.2 6.2

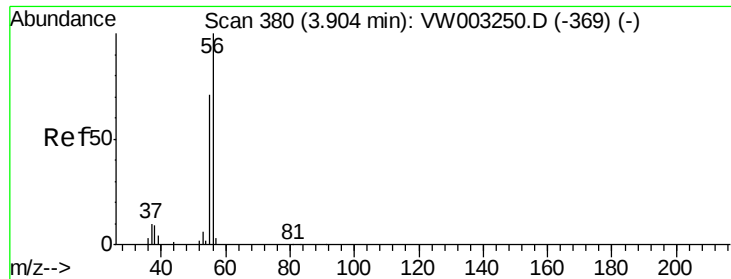


#12

1,1-Dichloroethene
Concen: 46.22 ug/l
RT: 4.03 min Scan# 401
Delta R.T. 0.00 min
Lab File: VW003250.D
Acq: 13 Jun 2018 17:24

Tgt Ion: 96 Resp: 113538
Ion Ratio Lower Upper
96 100
61 173.7 139.0 208.4
98 66.6 53.3 79.9





#13

Acrolein

Concen: 293.46 ug/l

RT: 3.90 min Scan# 380

Delta R.T. 0.00 min

Lab File: VW003250.D

Acq: 13 Jun 2018 17:24

Instrument :

MSVOA_W

ClientSampleId :

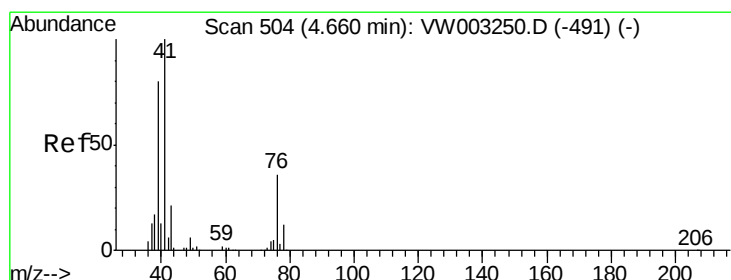
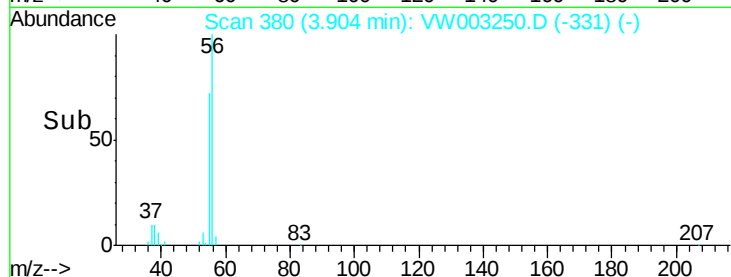
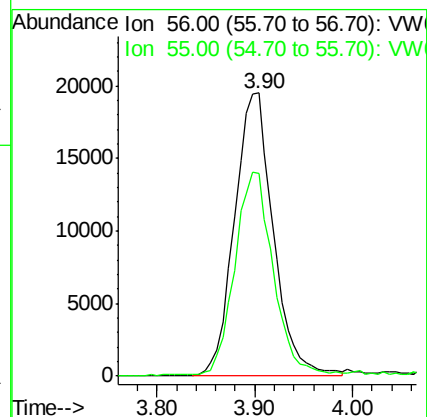
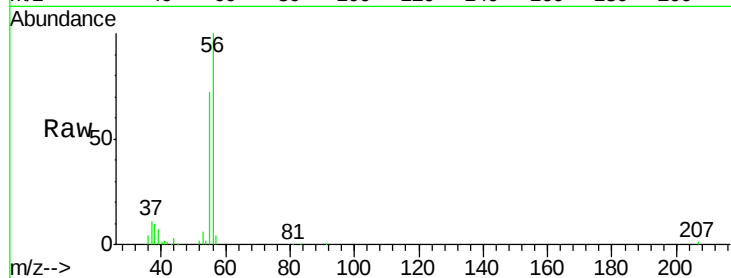
VSTDICCC050

Tgt Ion: 56 Resp: 54027

Ion Ratio Lower Upper

56 100

55 69.3 55.4 83.2



#14

Allyl chloride

Concen: 49.96 ug/l

RT: 4.66 min Scan# 504

Delta R.T. 0.00 min

Lab File: VW003250.D

Acq: 13 Jun 2018 17:24

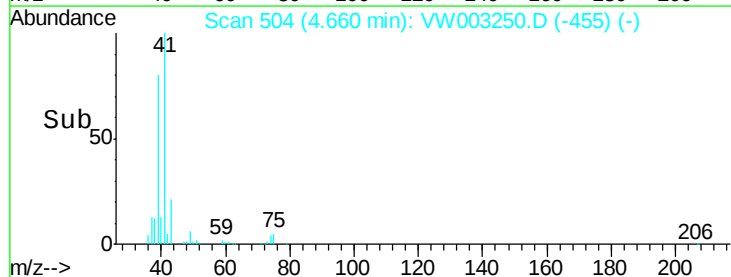
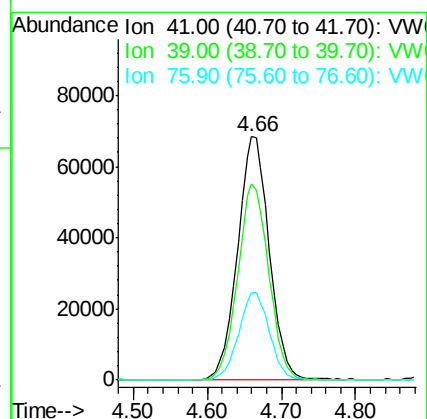
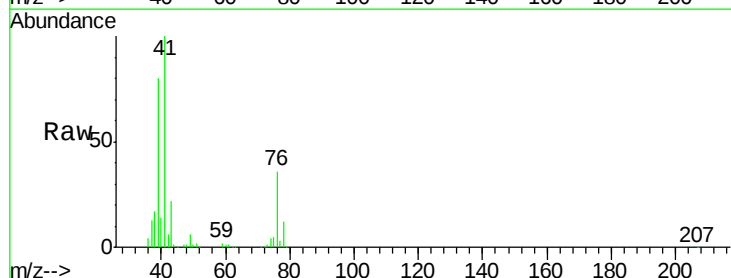
Tgt Ion: 41 Resp: 203542

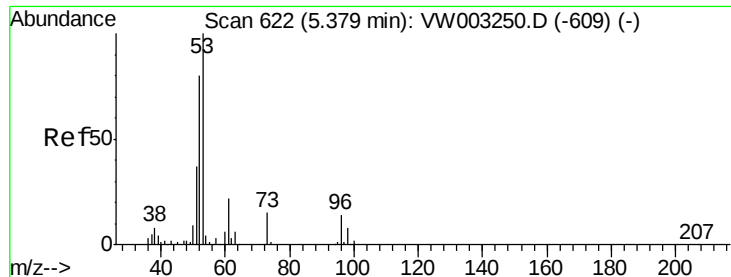
Ion Ratio Lower Upper

41 100

39 79.0 63.2 94.8

76 35.0 28.0 42.0





#15

Acrylonitrile

Concen: 244.31 ug/l

RT: 5.38 min Scan# 622

Delta R.T. 0.00 min

Lab File: VW003250.D

Acq: 13 Jun 2018 17:24

Instrument :

MSVOA_W

ClientSampled :

VSTDICCC050

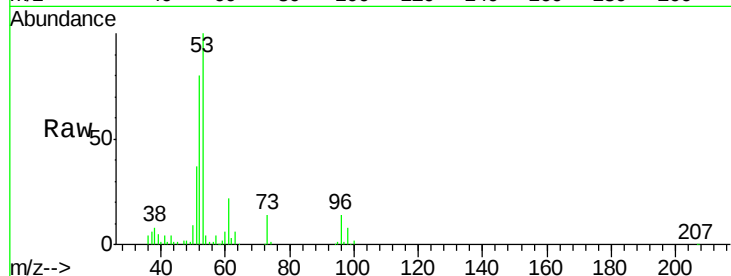
Tgt Ion: 53 Resp: 135594

Ion Ratio Lower Upper

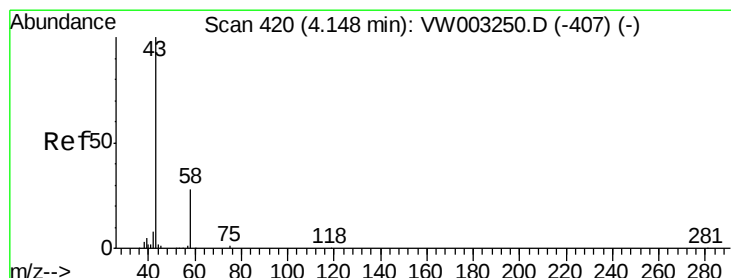
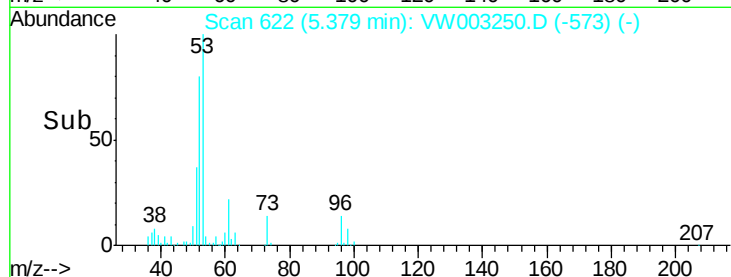
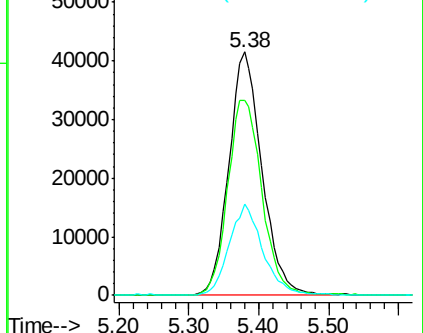
53 100

52 83.3 66.6 100.0

51 38.3 30.6 46.0



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 276.61 ug/l

RT: 4.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VW003250.D

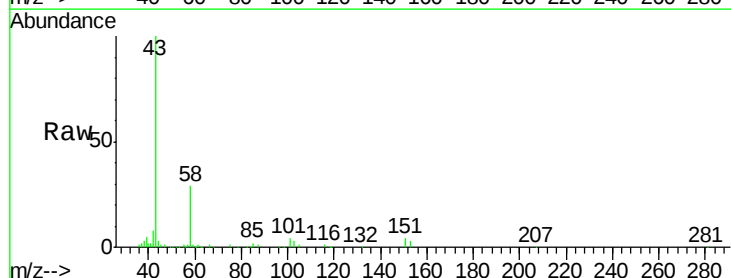
Acq: 13 Jun 2018 17:24

Tgt Ion: 43 Resp: 148862

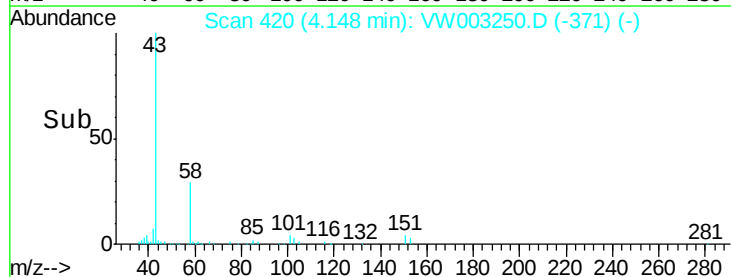
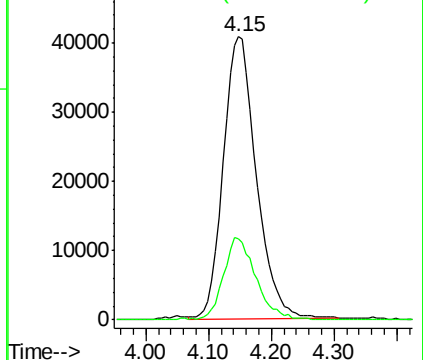
Ion Ratio Lower Upper

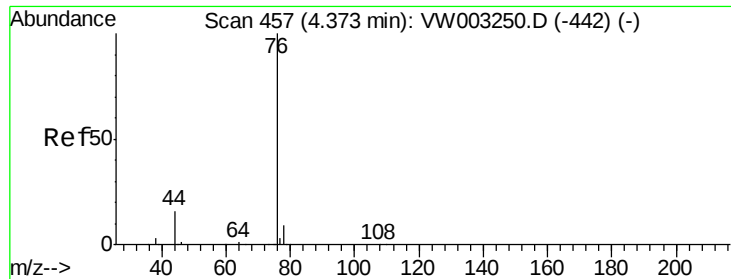
43 100

58 28.3 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

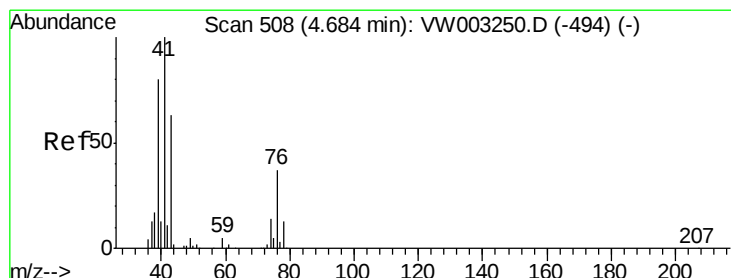
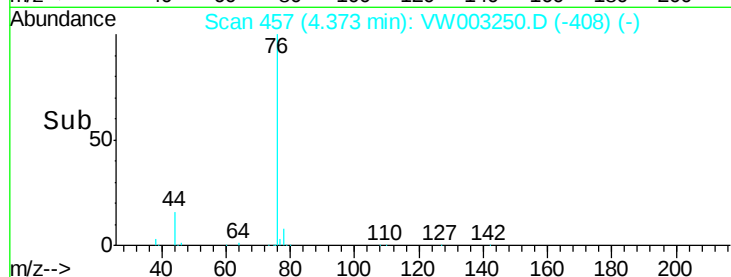
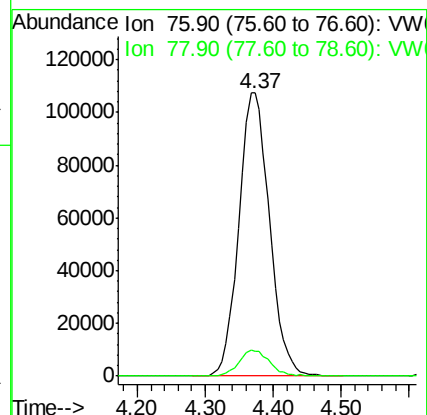
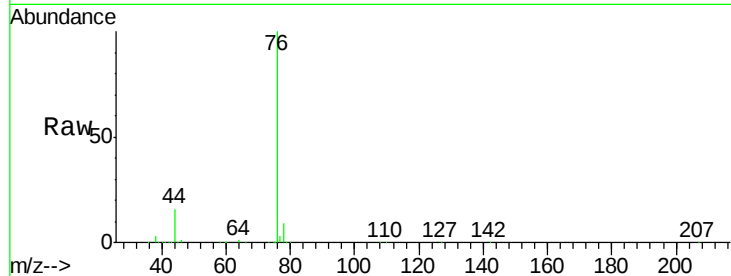




#17
Carbon Disulfide
Concen: 45.38 ug/l
RT: 4.37 min Scan# 457
Delta R.T. 0.00 min
Lab File: VW003250.D
Acq: 13 Jun 2018 17:24

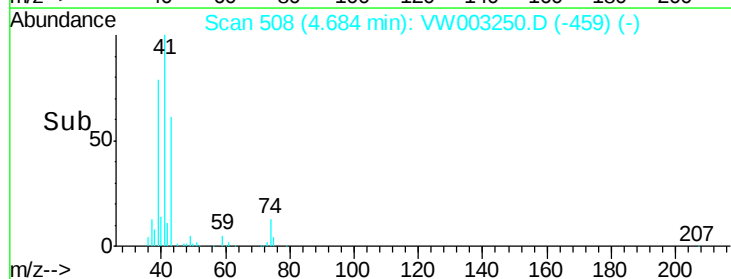
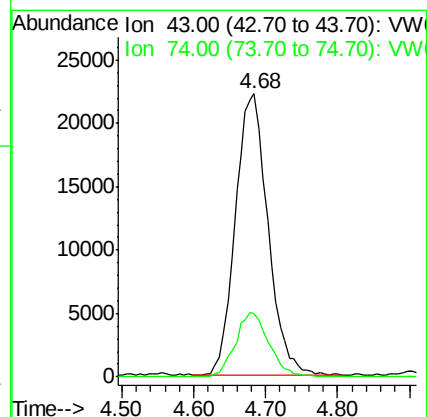
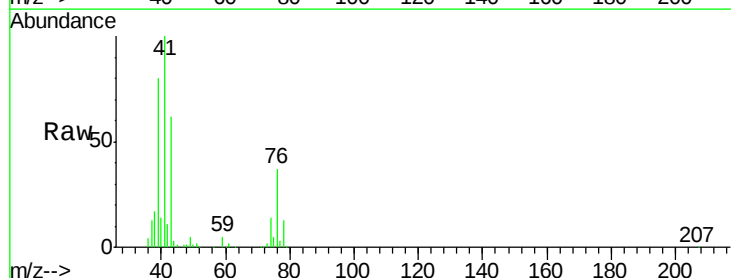
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

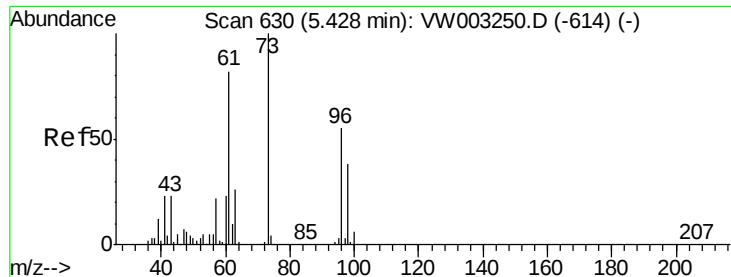
Tgt Ion: 76 Resp: 336285
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7



#18
Methyl Acetate
Concen: 50.68 ug/l
RT: 4.68 min Scan# 508
Delta R.T. 0.00 min
Lab File: VW003250.D
Acq: 13 Jun 2018 17:24

Tgt Ion: 43 Resp: 70211
Ion Ratio Lower Upper
43 100
74 23.4 18.7 28.1

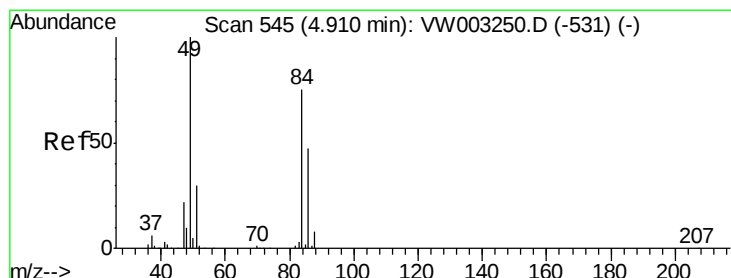
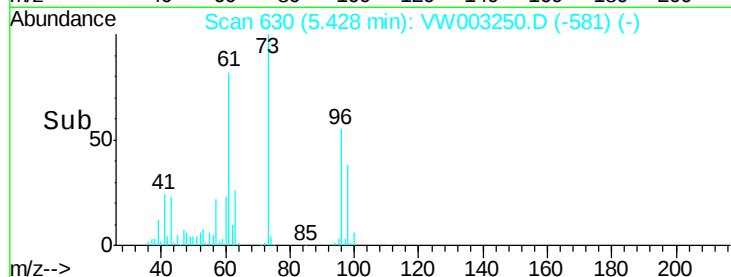
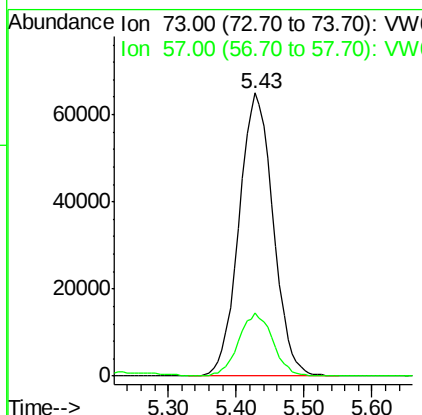
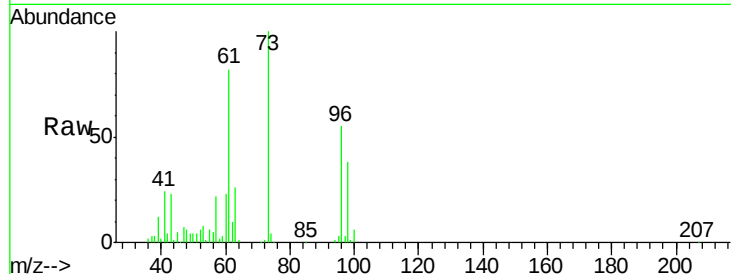




#19
Methyl tert-butyl Ether
Concen: 49.22 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW003250.D
Acq: 13 Jun 2018 17:24

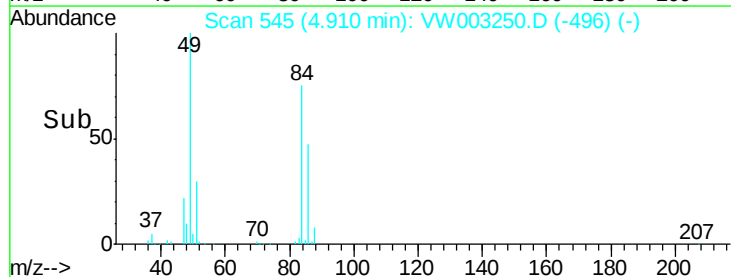
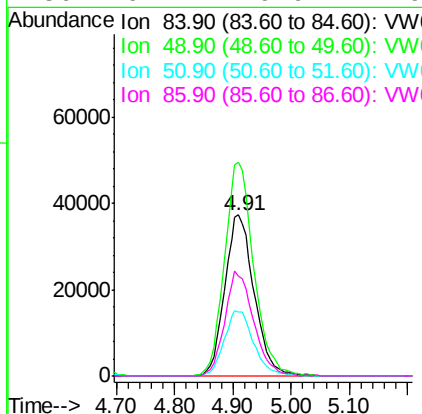
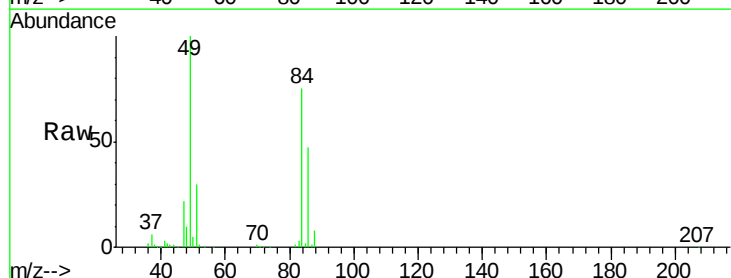
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

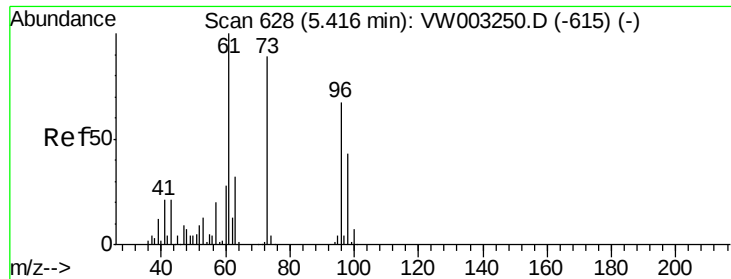
Tgt Ion: 73 Resp: 227411
Ion Ratio Lower Upper
73 100
57 22.5 18.0 27.0



#20
Methylene Chloride
Concen: 47.83 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003250.D
Acq: 13 Jun 2018 17:24

Tgt Ion: 84 Resp: 130221
Ion Ratio Lower Upper
84 100
49 132.9 106.3 159.5
51 40.0 32.0 48.0
86 62.4 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 46.78 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.00 min

Lab File: VW003250.D

Acq: 13 Jun 2018 17:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

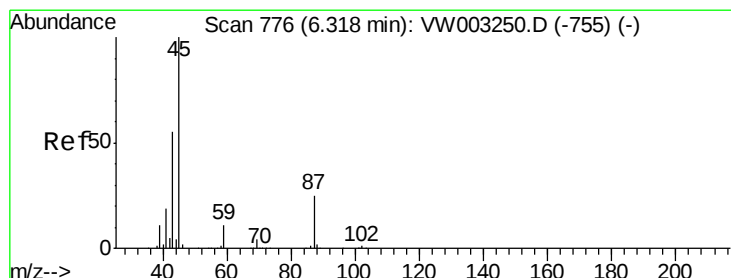
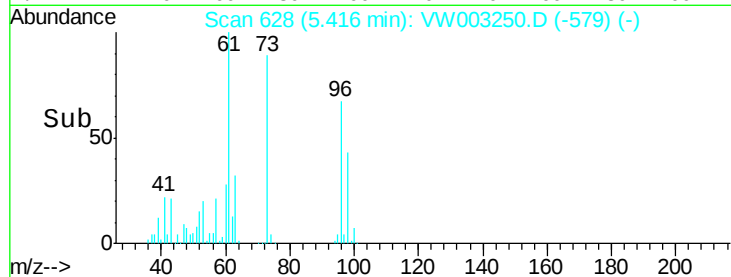
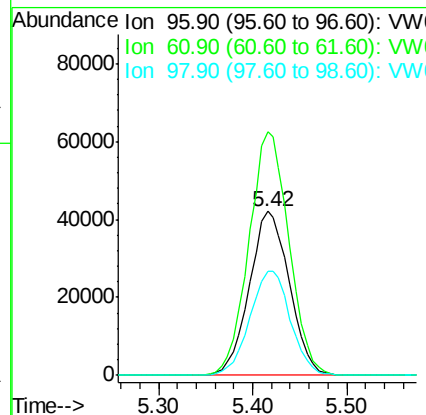
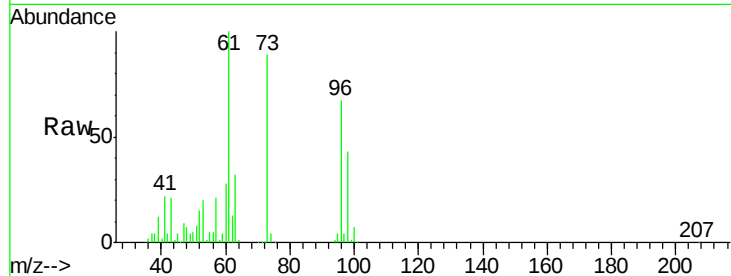
Tgt Ion: 96 Resp: 125185

Ion Ratio Lower Upper

96 100

61 148.4 118.7 178.1

98 63.8 51.0 76.6



#22

Diisopropyl ether

Concen: 50.59 ug/l

RT: 6.32 min Scan# 776

Delta R.T. 0.00 min

Lab File: VW003250.D

Acq: 13 Jun 2018 17:24

Tgt Ion: 45 Resp: 420220

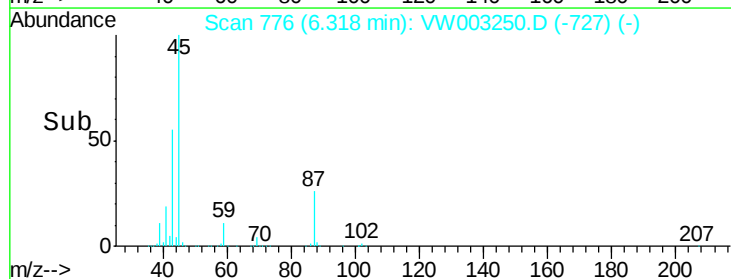
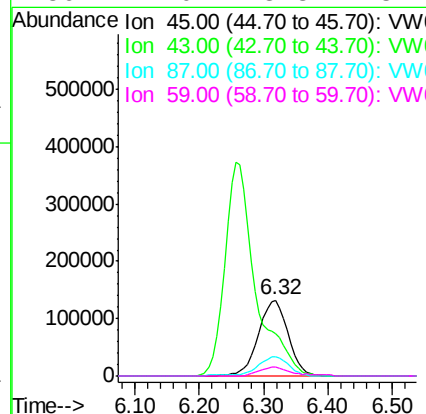
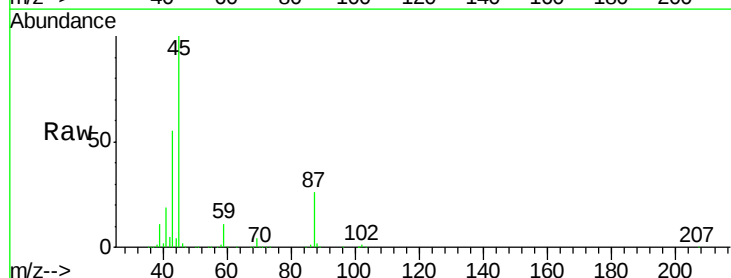
Ion Ratio Lower Upper

45 100

43 55.0 44.0 66.0

87 25.8 20.6 31.0

59 11.0 8.8 13.2





#23

Vinyl Acetate

Concen: 254.93 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW003250.D

Acq: 13 Jun 2018 17:24

Instrument :

MSVOA_W

ClientSampleId :

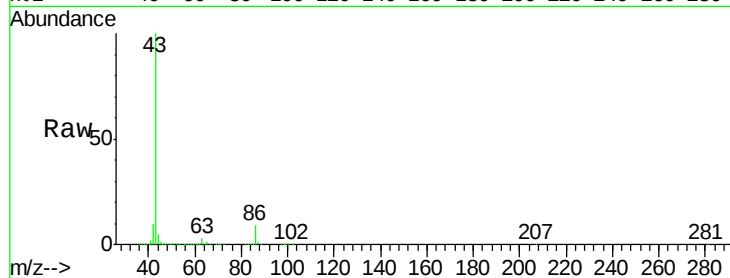
VSTDICCC050

Tgt Ion: 43 Resp: 1246482

Ion Ratio Lower Upper

43 100

86 9.4 7.5 11.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

400000

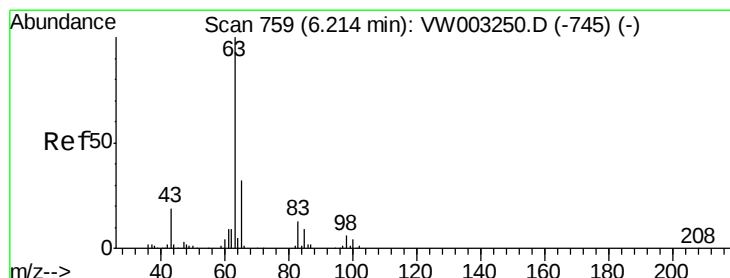
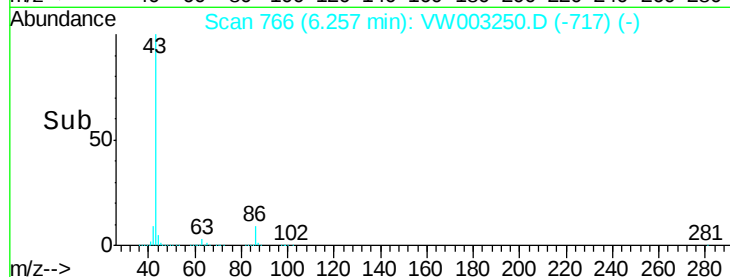
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.32 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW003250.D

Acq: 13 Jun 2018 17:24

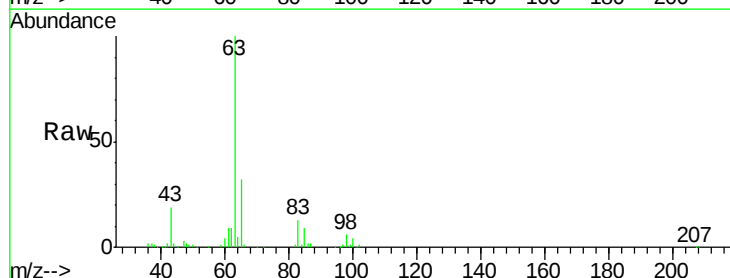
Tgt Ion: 63 Resp: 241442

Ion Ratio Lower Upper

63 100

98 5.5 2.8 8.3

100 4.3 2.1 6.5



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

100000

80000

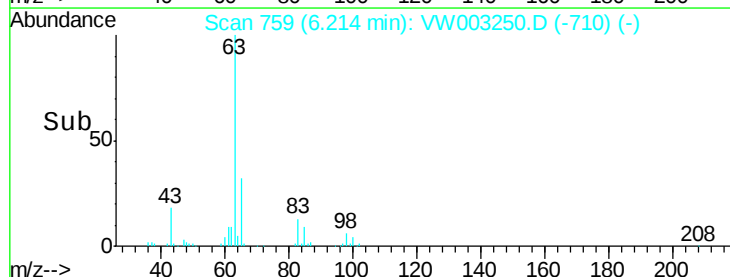
60000

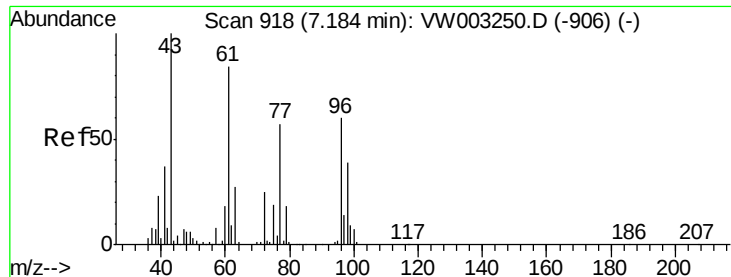
40000

20000

0

Time-->





#25

2-Butanone

Concen: 263.33 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.00 min

Lab File: VW003250.D

Acq: 13 Jun 2018 17:24

Instrument :

MSVOA_W

ClientSampleId :

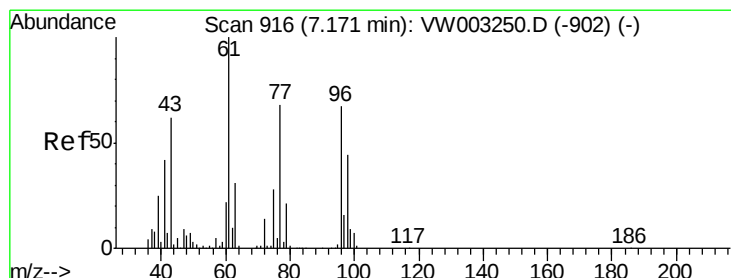
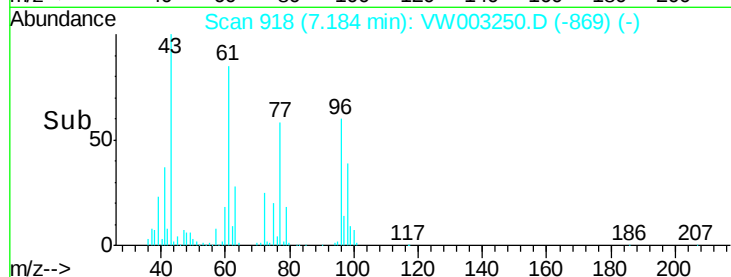
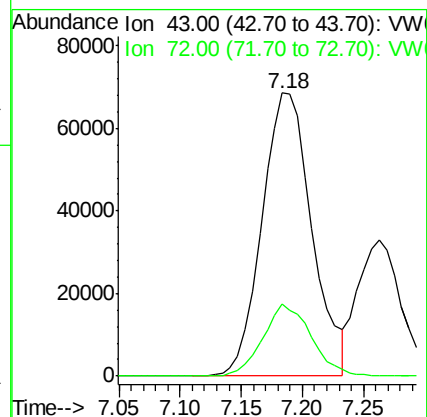
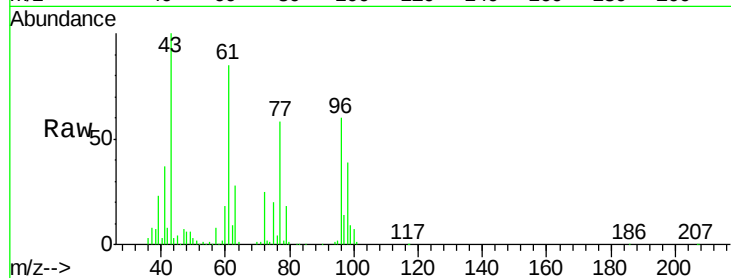
VSTDICCC050

Tgt Ion: 43 Resp: 194378

Ion Ratio Lower Upper

43 100

72 25.4 20.3 30.5



#26

2,2-Dichloropropane

Concen: 52.68 ug/l

RT: 7.17 min Scan# 916

Delta R.T. 0.00 min

Lab File: VW003250.D

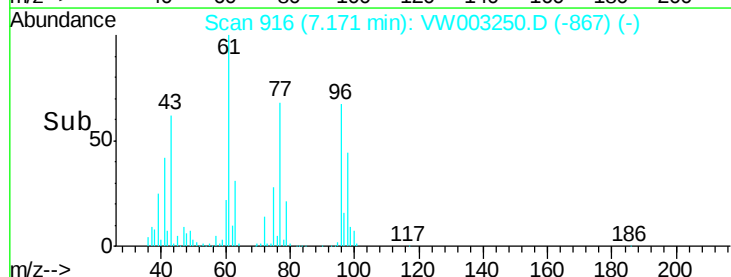
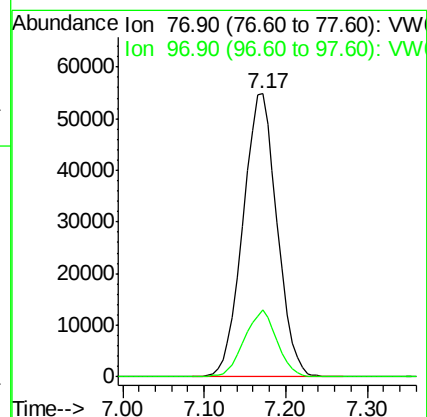
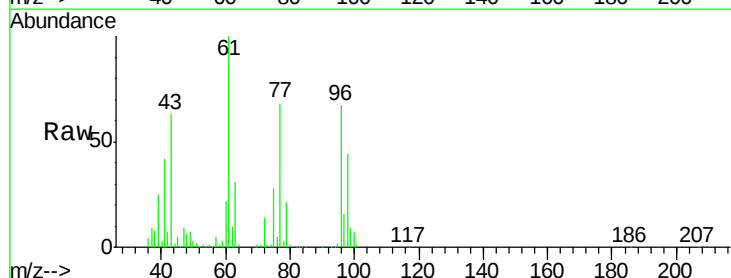
Acq: 13 Jun 2018 17:24

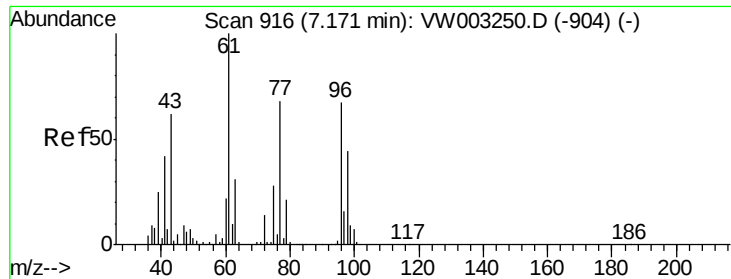
Tgt Ion: 77 Resp: 159028

Ion Ratio Lower Upper

77 100

97 22.6 11.3 33.9



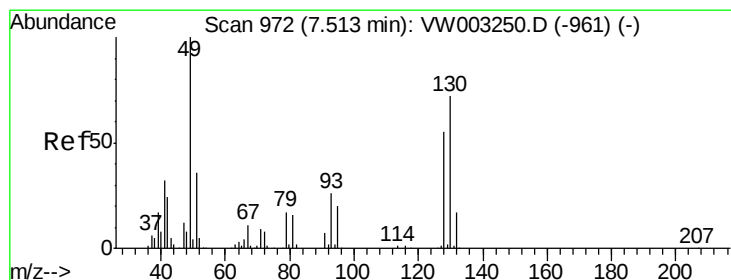
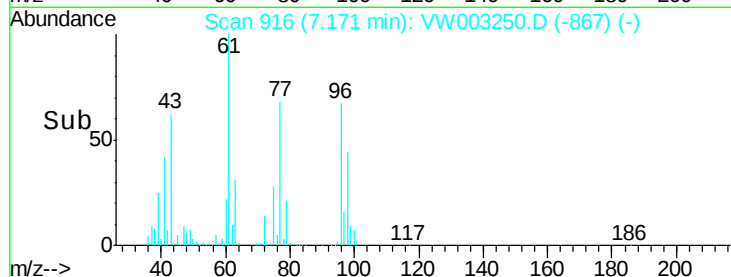
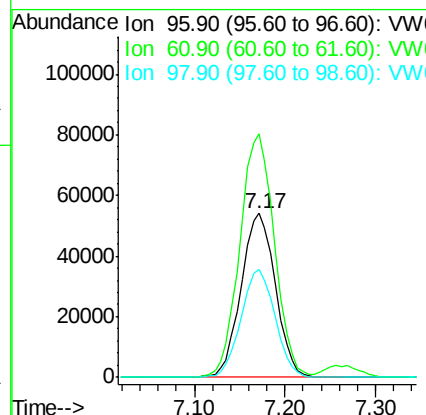
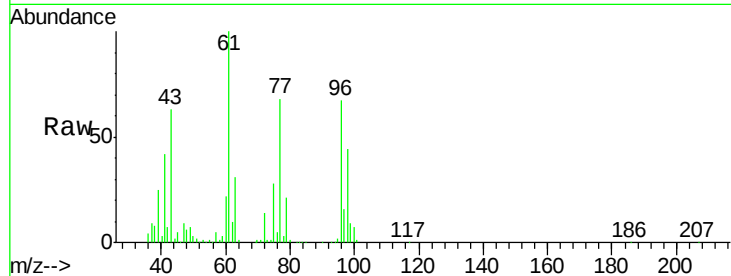


#27

cis-1,2-Dichloroethene
Concen: 48.36 ug/l
RT: 7.17 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW003250.D
Acq: 13 Jun 2018 17:24

Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

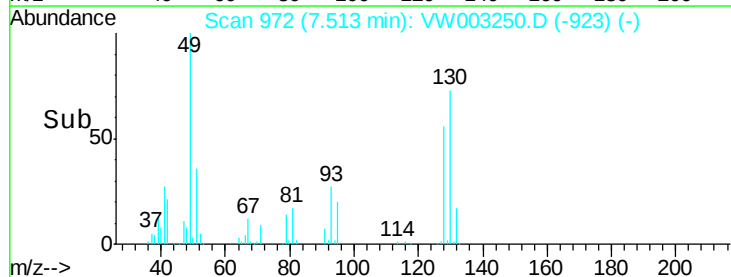
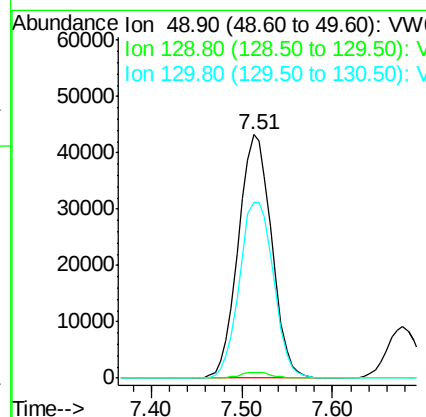
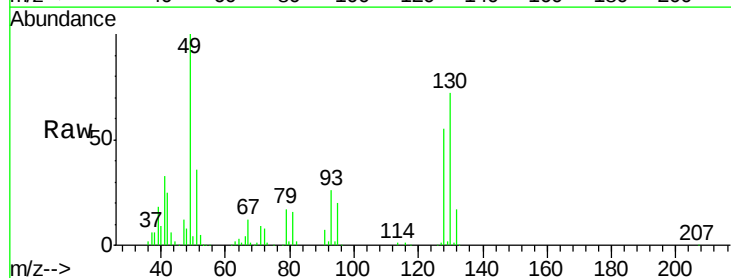
Tgt Ion: 96 Resp: 142155
Ion Ratio Lower Upper
96 100
61 149.4 0.0 298.8
98 65.2 0.0 130.4

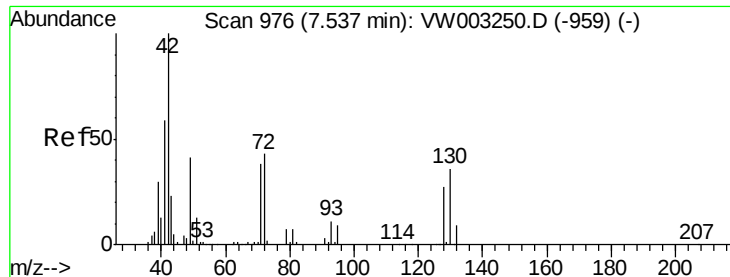


#28

Bromochloromethane
Concen: 55.82 ug/l
RT: 7.51 min Scan# 972
Delta R.T. 0.00 min
Lab File: VW003250.D
Acq: 13 Jun 2018 17:24

Tgt Ion: 49 Resp: 110269
Ion Ratio Lower Upper
49 100
129 2.3 0.0 4.6
130 74.3 59.4 89.2

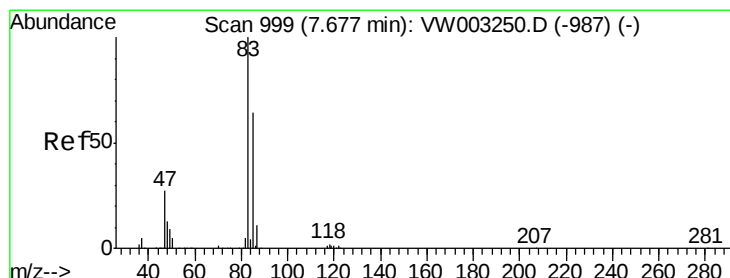
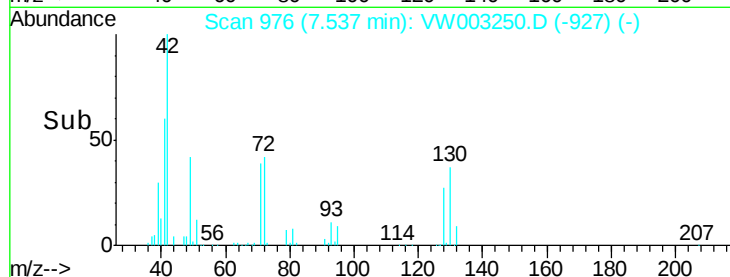
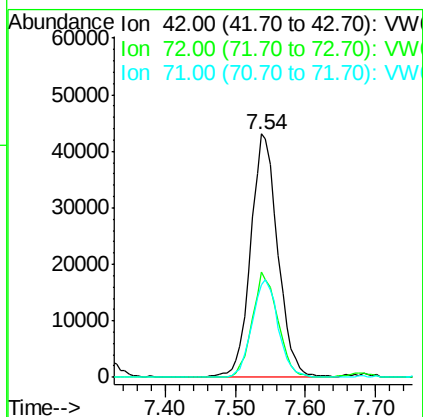
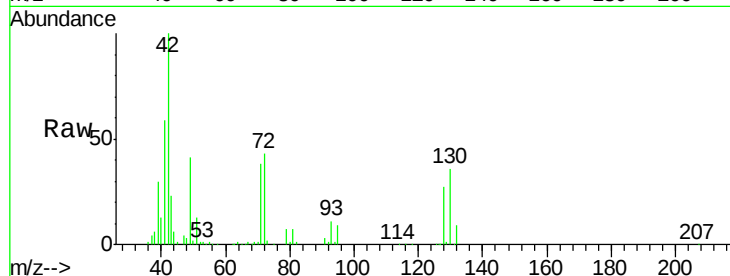




#29
Tetrahydrofuran
Concen: 244.21 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.00 min
Lab File: VW003250.D
Acq: 13 Jun 2018 17:24

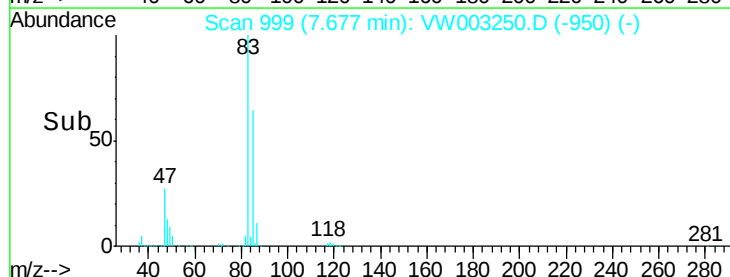
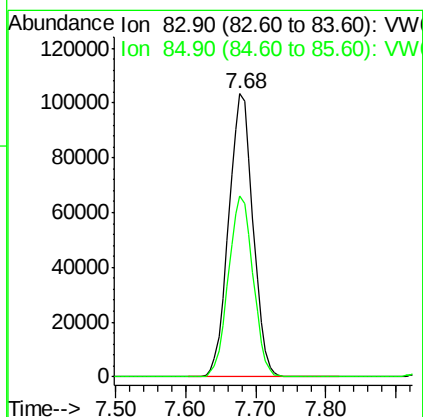
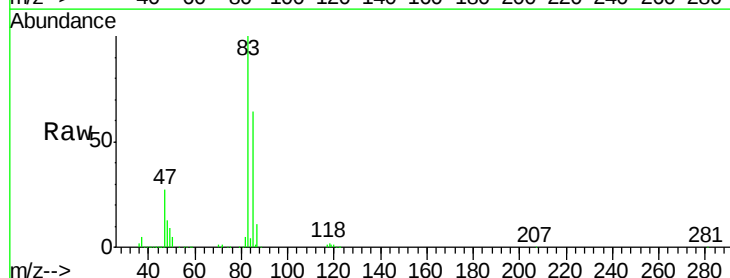
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

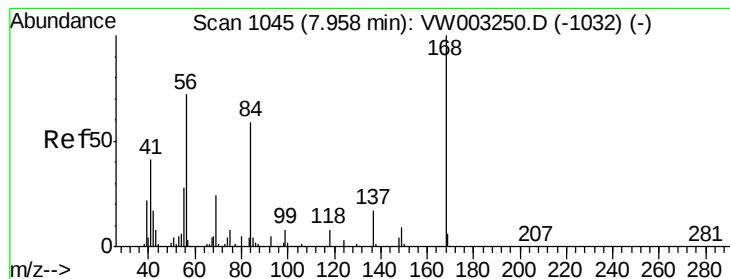
Tgt Ion: 42 Resp: 116255
Ion Ratio Lower Upper
42 100
72 40.5 32.4 48.6
71 39.0 31.2 46.8



#30
Chloroform
Concen: 49.55 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW003250.D
Acq: 13 Jun 2018 17:24

Tgt Ion: 83 Resp: 249340
Ion Ratio Lower Upper
83 100
85 64.1 51.3 76.9





#31

Cyclohexane

Concen: 45.27 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. 0.00 min

Lab File: VW003250.D

Acq: 13 Jun 2018 17:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

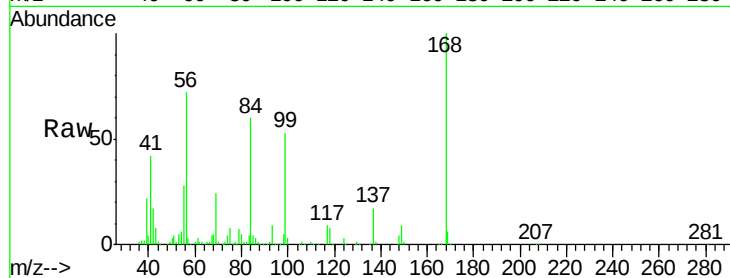
Tgt Ion: 56 Resp: 209259

Ion Ratio Lower Upper

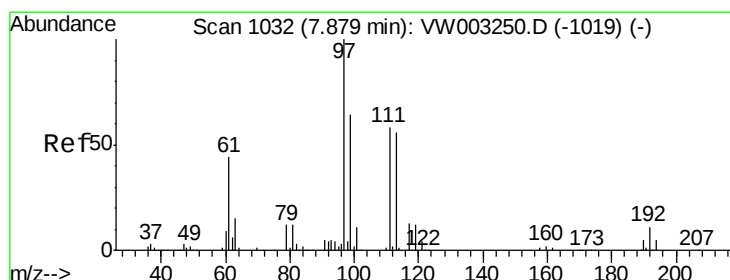
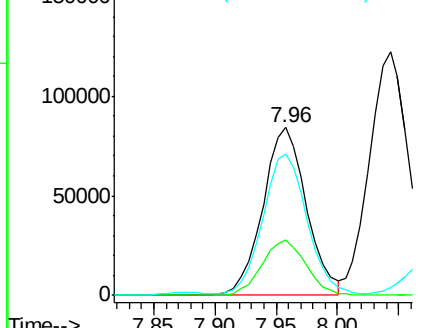
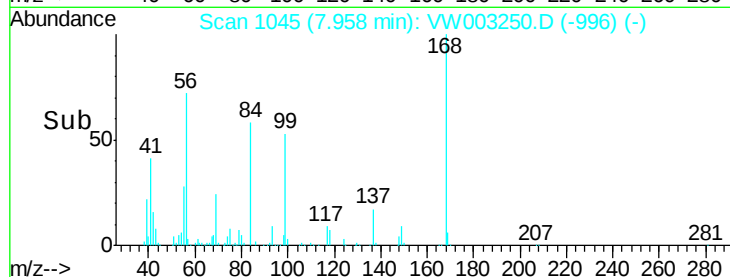
56 100

69 32.9 26.3 39.5

84 82.1 65.7 98.5



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: 50.13 ug/l

RT: 7.88 min Scan# 1032

Delta R.T. 0.00 min

Lab File: VW003250.D

Acq: 13 Jun 2018 17:24

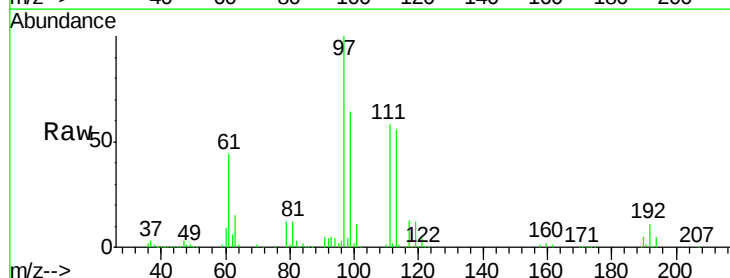
Tgt Ion: 97 Resp: 204311

Ion Ratio Lower Upper

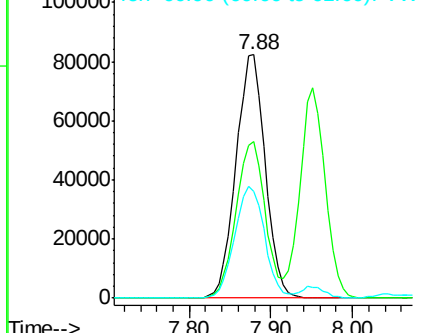
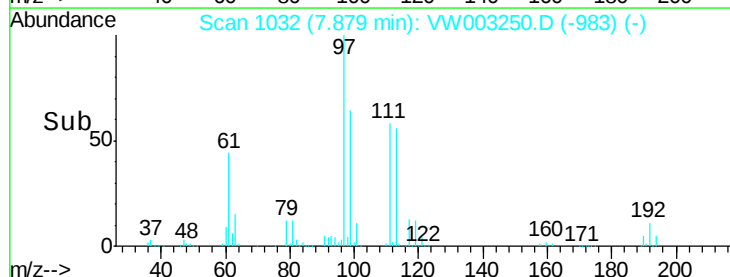
97 100

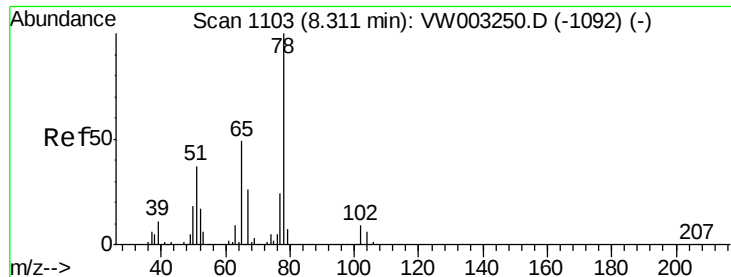
99 64.6 51.7 77.5

61 47.0 37.6 56.4



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: 53.14 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VW003250.D

Acq: 13 Jun 2018 17:24

Instrument :

MSVOA_W

ClientSampleId :

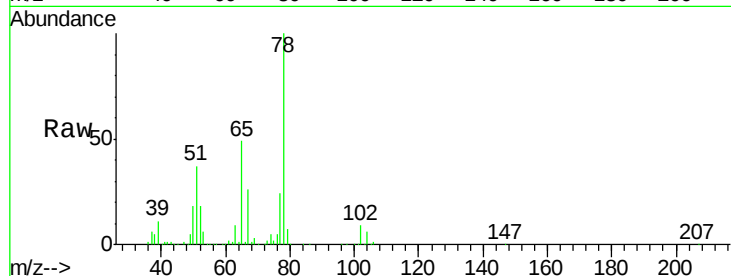
VSTDICCC050

Tgt Ion: 65 Resp: 143256

Ion Ratio Lower Upper

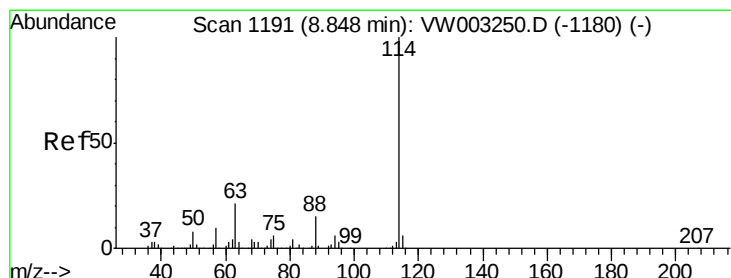
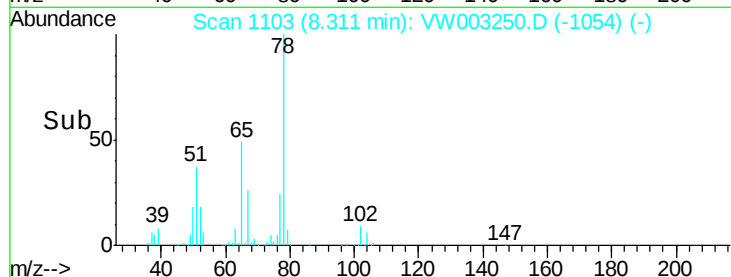
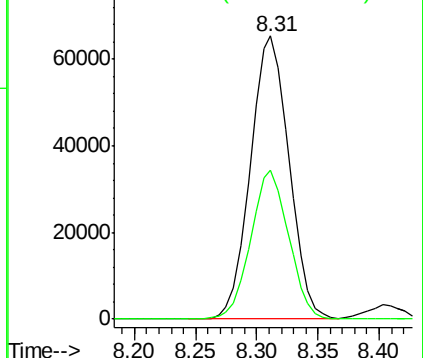
65 100

67 52.1 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW003250.D

Acq: 13 Jun 2018 17:24

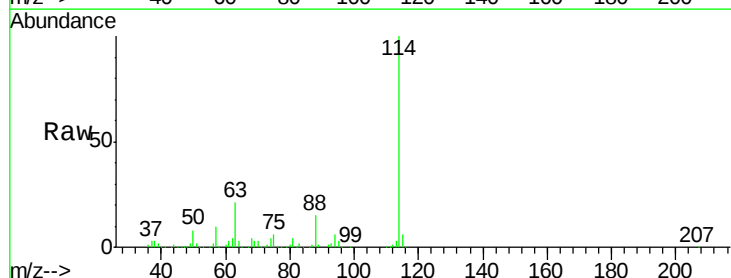
Tgt Ion: 114 Resp: 421654

Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.0

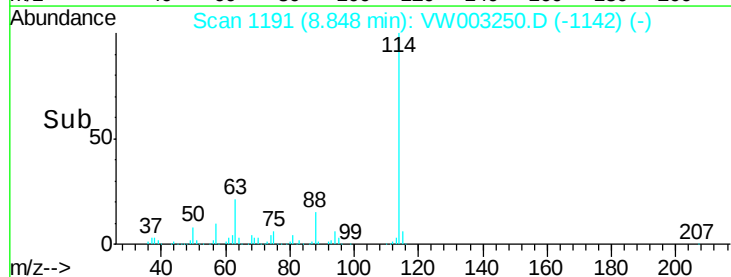
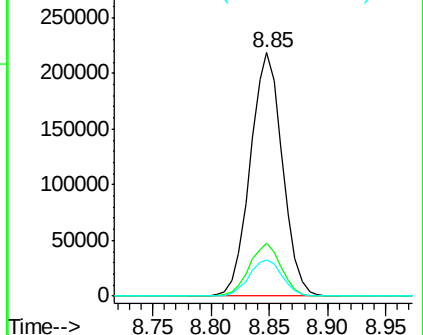
88 14.8 0.0 29.6

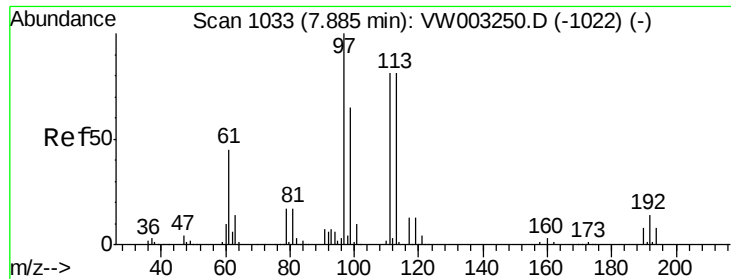


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

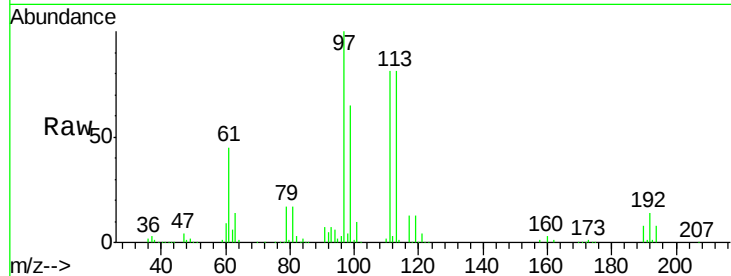




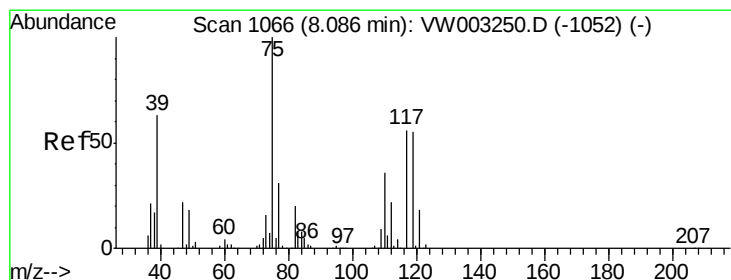
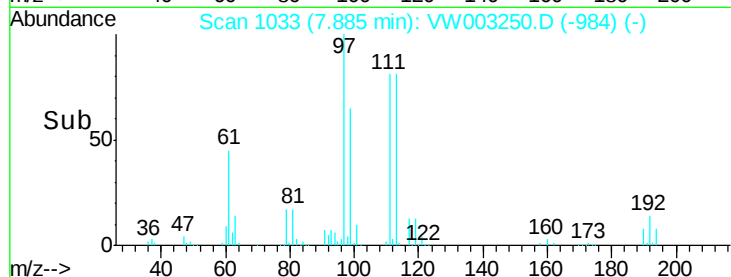
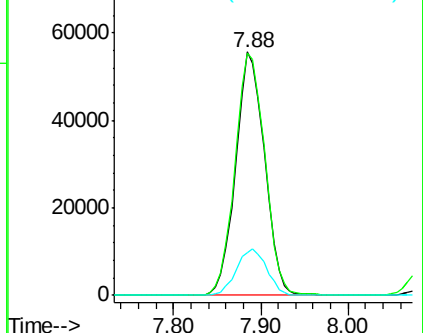
#35
 Dibromofluoromethane
 Concen: 51.45 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003250.D
 Acq: 13 Jun 2018 17:24

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

Tgt Ion: 113 Resp: 128118
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.2 123.2
 192 20.2 16.2 24.2

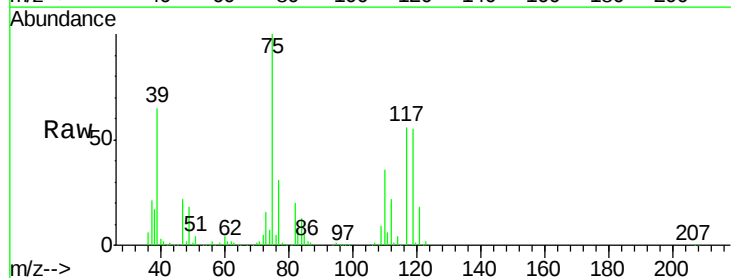


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

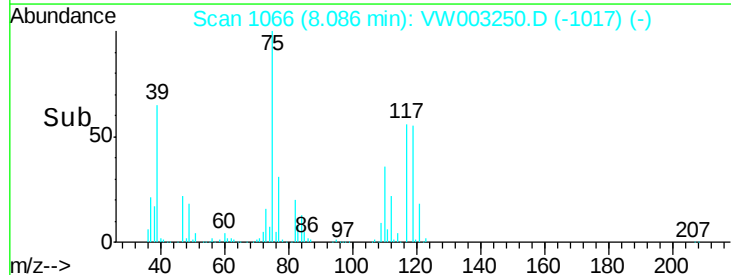
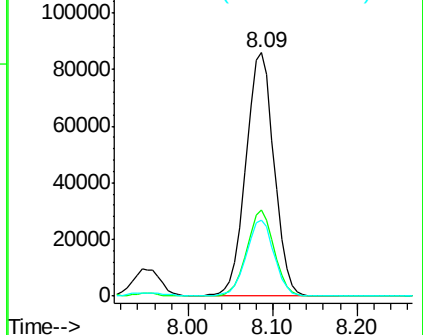


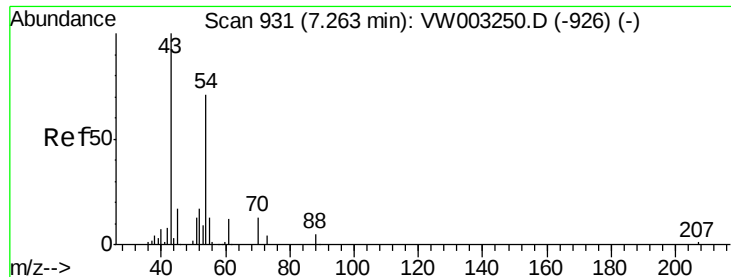
#36
 1,1-Dichloropropene
 Concen: 49.22 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. 0.00 min
 Lab File: VW003250.D
 Acq: 13 Jun 2018 17:24

Tgt Ion: 75 Resp: 195047
 Ion Ratio Lower Upper
 75 100
 110 34.2 17.1 51.3
 77 31.1 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

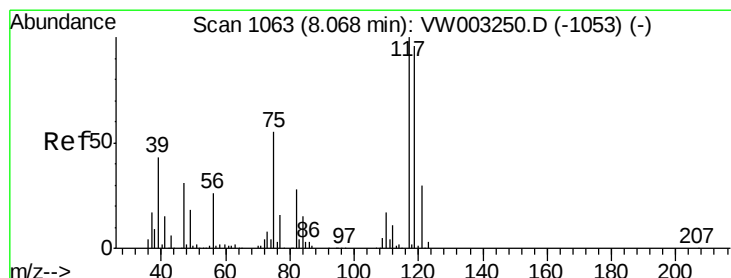
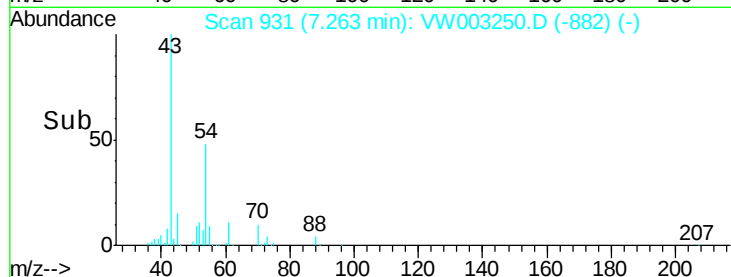
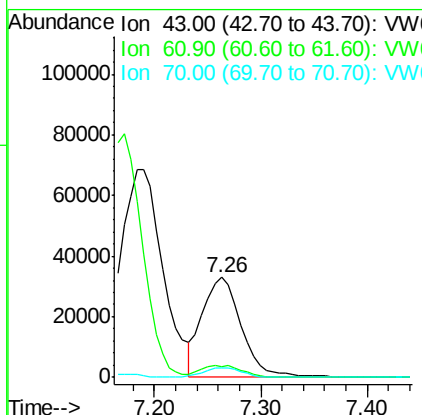
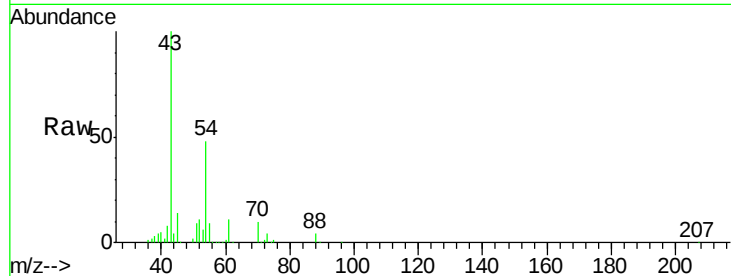




#37
 Ethyl Acetate
 Concen: 47.42 ug/l
 RT: 7.26 min Scan# 931
 Delta R.T. 0.00 min
 Lab File: VW003250.D
 Acq: 13 Jun 2018 17:24

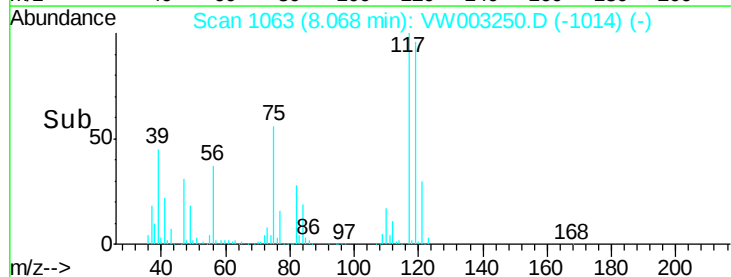
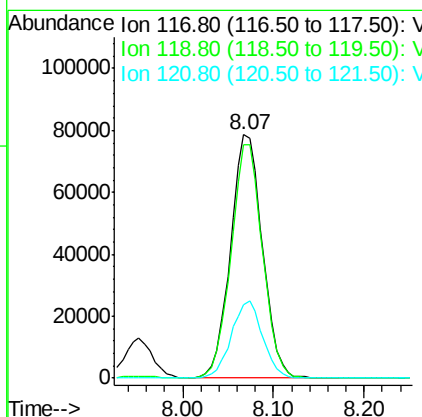
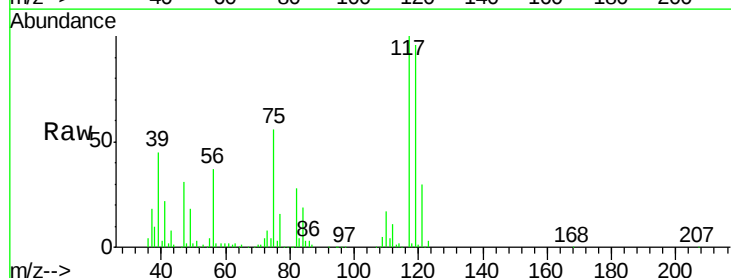
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

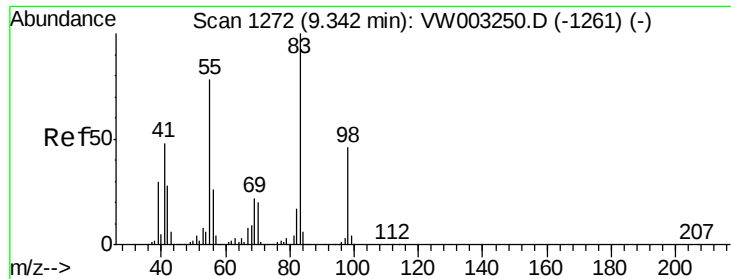
Tgt Ion: 43 Resp: 82592
 Ion Ratio Lower Upper
 43 100
 61 13.5 10.8 16.2
 70 9.7 7.8 11.6



#38
 Carbon Tetrachloride
 Concen: 49.76 ug/l
 RT: 8.07 min Scan# 1063
 Delta R.T. 0.00 min
 Lab File: VW003250.D
 Acq: 13 Jun 2018 17:24

Tgt Ion: 117 Resp: 192448
 Ion Ratio Lower Upper
 117 100
 119 95.8 76.6 115.0
 121 29.9 23.9 35.9

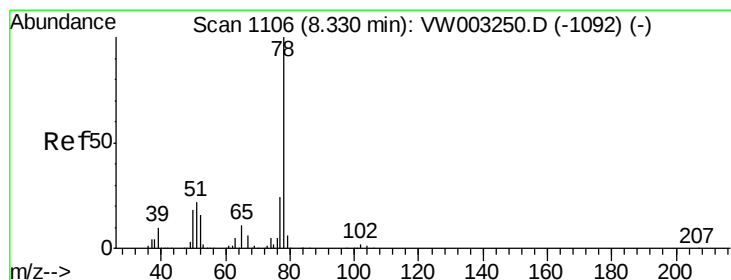
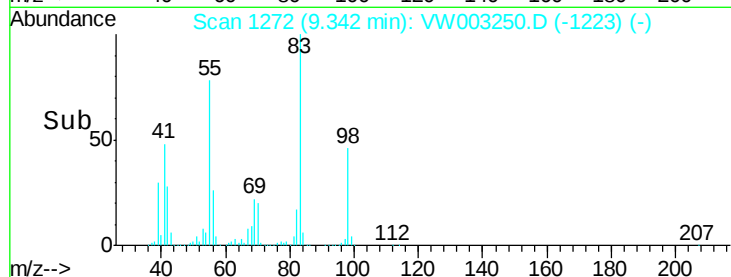
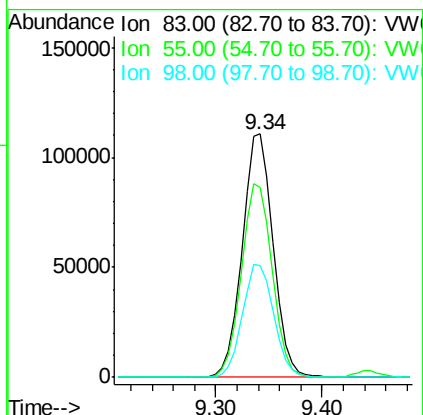
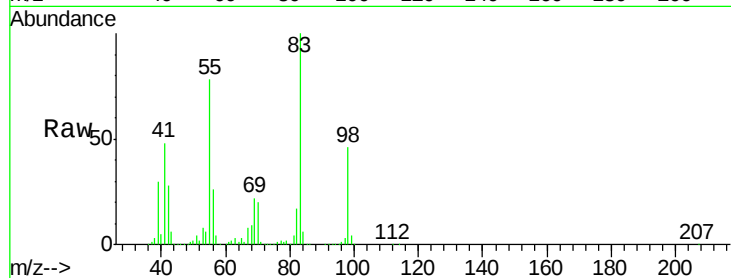




#39
Methylcyclohexane
Concen: 48.20 ug/l
RT: 9.34 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VW003250.D
Acq: 13 Jun 2018 17:24

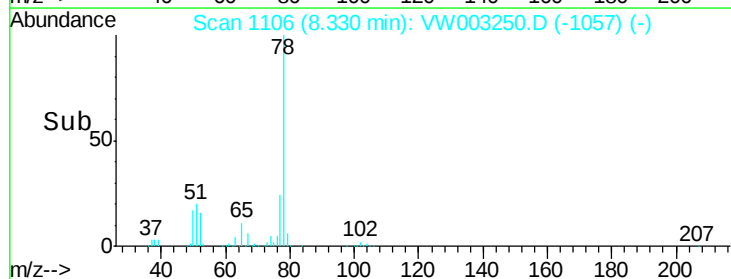
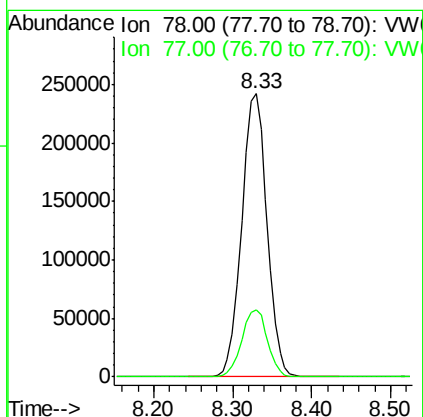
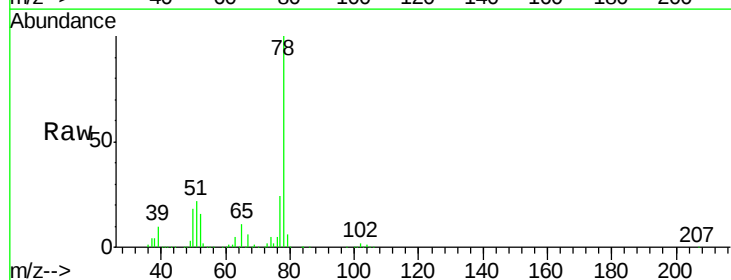
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 226253
Ion Ratio Lower Upper
83 100
55 78.2 62.6 93.8
98 46.2 37.0 55.4



#40
Benzene
Concen: 48.54 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VW003250.D
Acq: 13 Jun 2018 17:24

Tgt Ion: 78 Resp: 538660
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.6

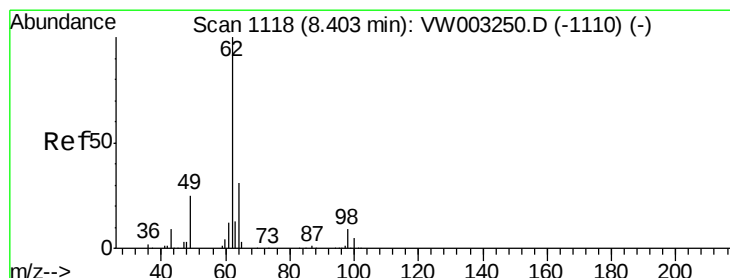
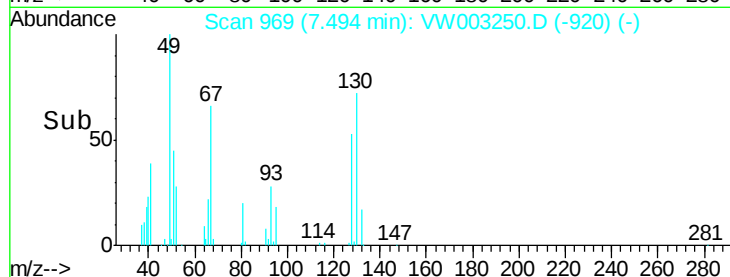
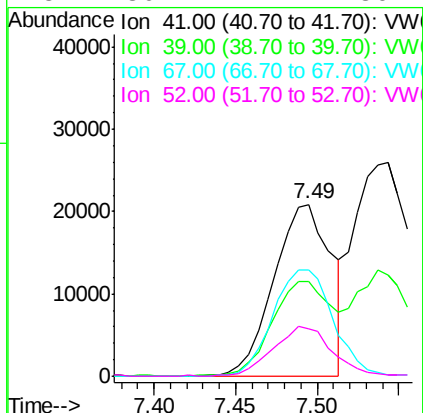
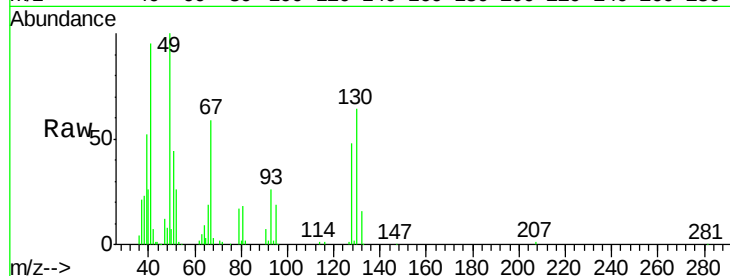




#41
Methacrylonitrile
Concen: 50.93 ug/l
RT: 7.49 min Scan# 969
Delta R.T. 0.00 min
Lab File: VW003250.D
Acq: 13 Jun 2018 17:24

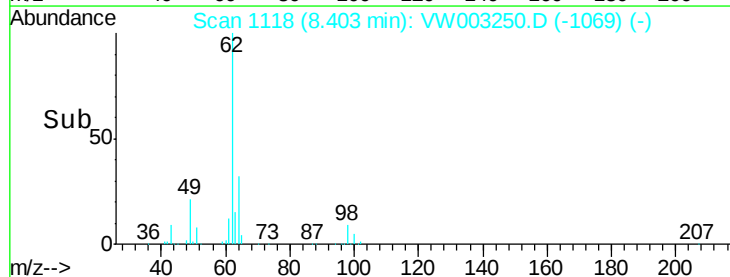
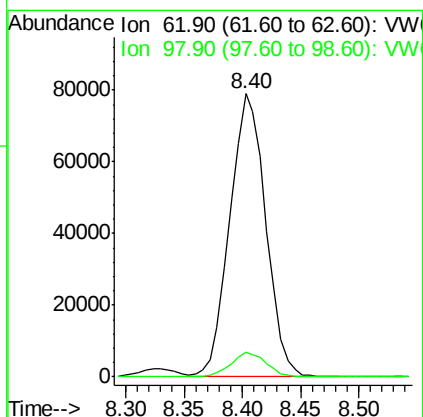
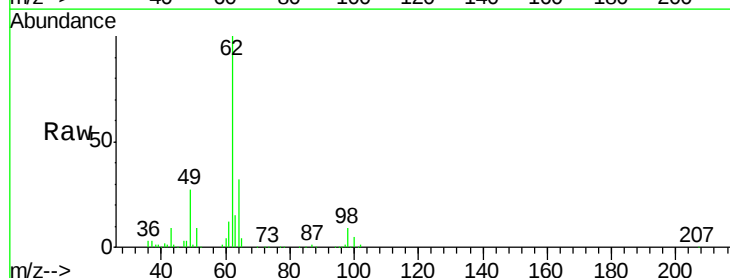
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

Tgt Ion:	41	Resp:	50866
Ion	Ratio	Lower	Upper
41	100		
39	57.3	45.8	68.8
67	65.4	52.3	78.5
52	30.1	24.1	36.1



#42
1,2-Dichloroethane
Concen: 49.20 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW003250.D
Acq: 13 Jun 2018 17:24

Tgt Ion:	62	Resp:	169744
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.2





#43

Isopropyl Acetate

Concen: 49.33 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VW003250.D

Acq: 13 Jun 2018 17:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

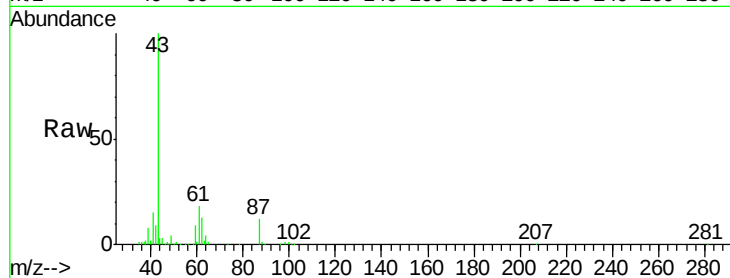
Tgt Ion: 43 Resp: 166148

Ion Ratio Lower Upper

43 100

61 28.9 23.1 34.7

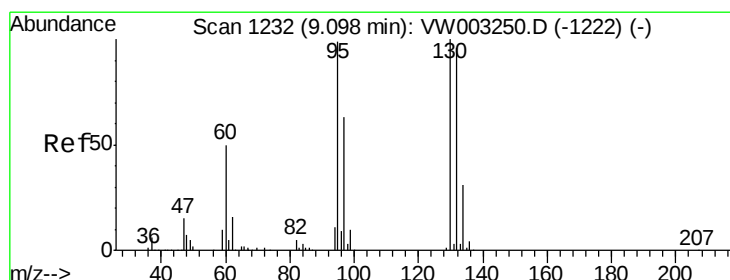
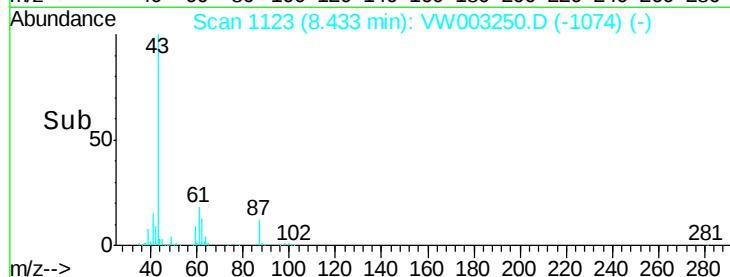
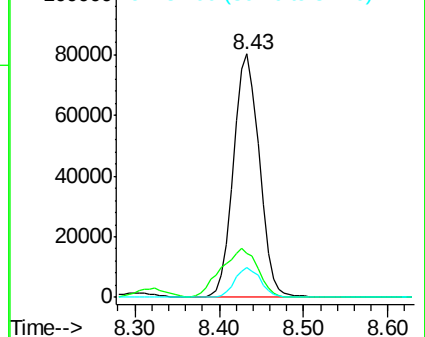
87 12.2 9.8 14.6



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: 48.12 ug/l

RT: 9.10 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VW003250.D

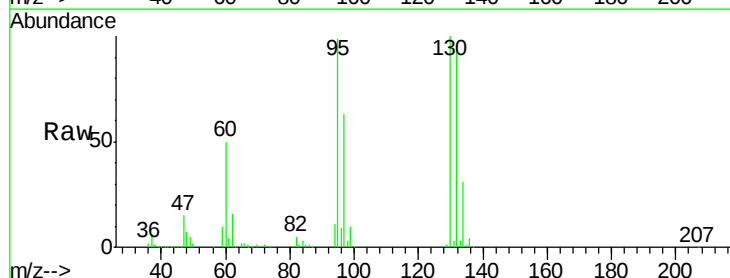
Acq: 13 Jun 2018 17:24

Tgt Ion: 130 Resp: 143700

Ion Ratio Lower Upper

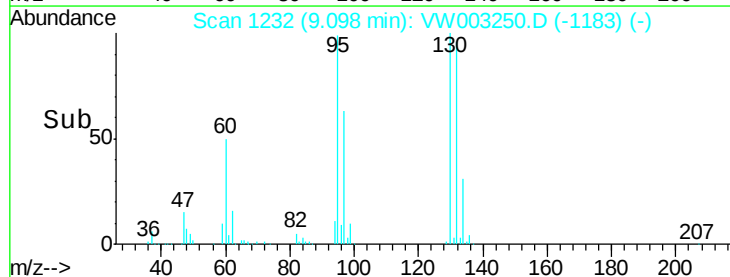
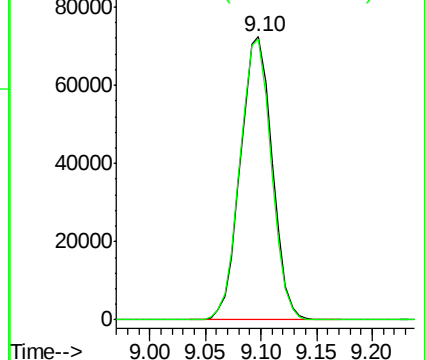
130 100

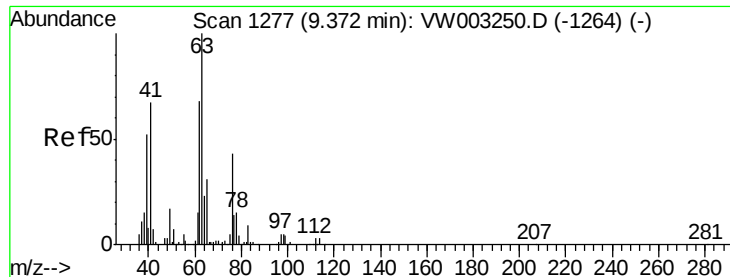
95 99.0 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 49.69 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW003250.D

Acq: 13 Jun 2018 17:24

Instrument :

MSVOA_W

ClientSampleId :

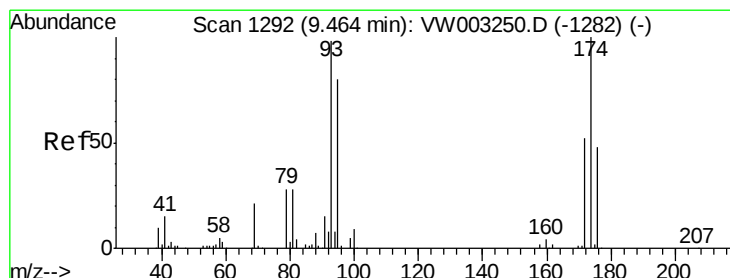
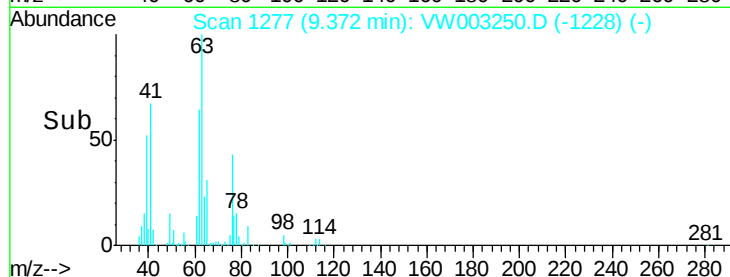
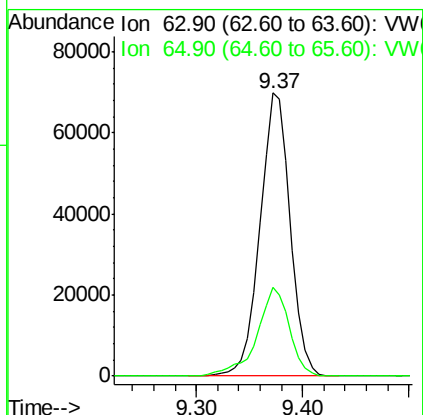
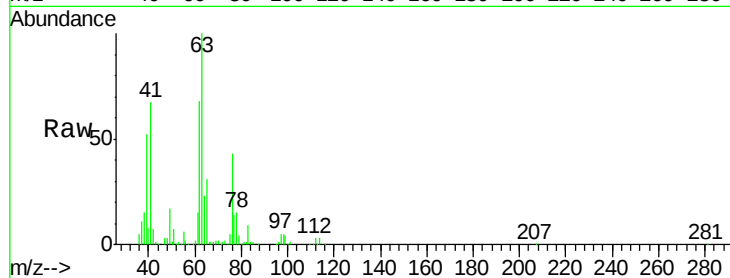
VSTDICCC050

Tgt Ion: 63 Resp: 138430

Ion Ratio Lower Upper

63 100

65 31.4 25.1 37.7



#46

Dibromomethane

Concen: 47.52 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VW003250.D

Acq: 13 Jun 2018 17:24

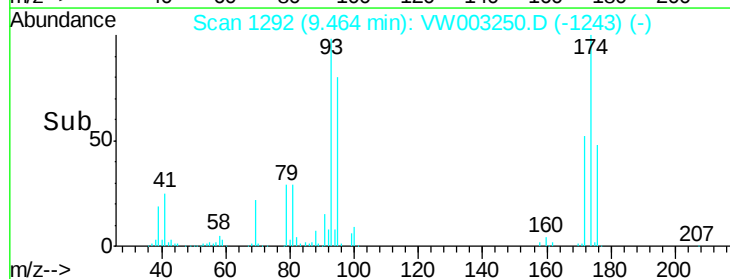
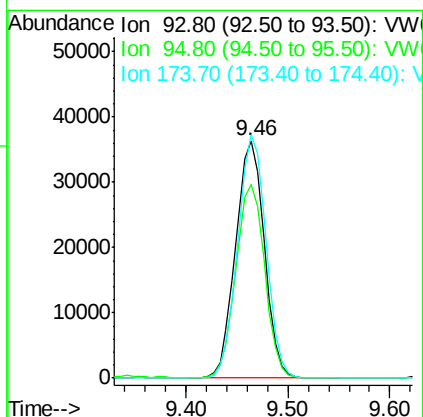
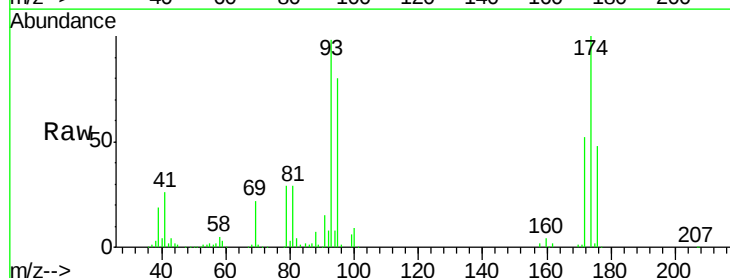
Tgt Ion: 93 Resp: 70760

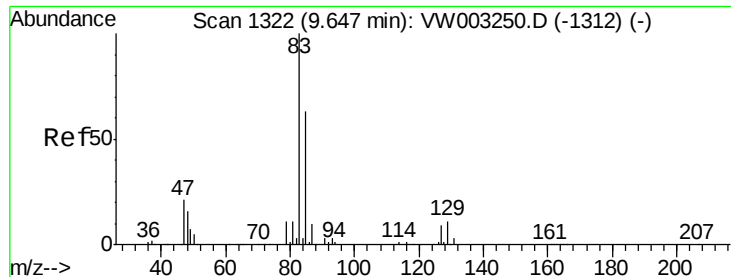
Ion Ratio Lower Upper

93 100

95 82.3 65.8 98.8

174 101.7 81.4 122.0





#47

Bromodichloromethane

Concen: 50.03 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW003250.D

Acq: 13 Jun 2018 17:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

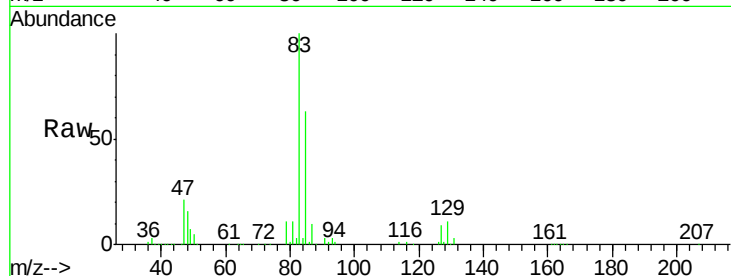
Tgt Ion: 83 Resp: 181916

Ion Ratio Lower Upper

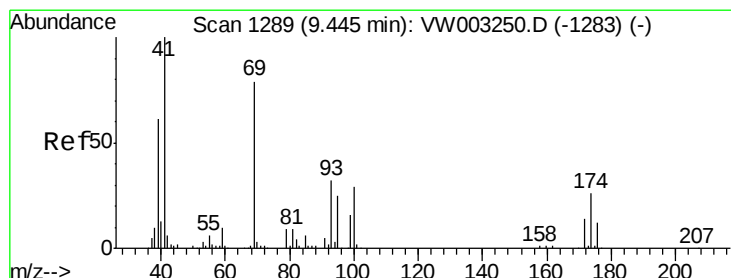
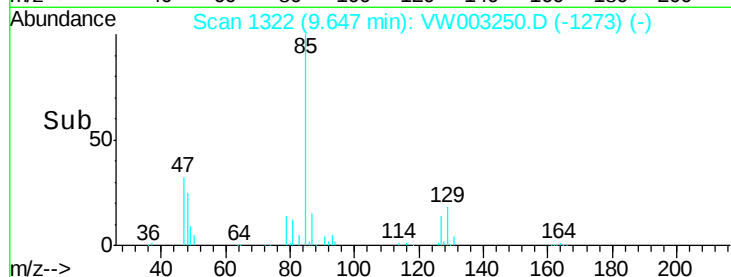
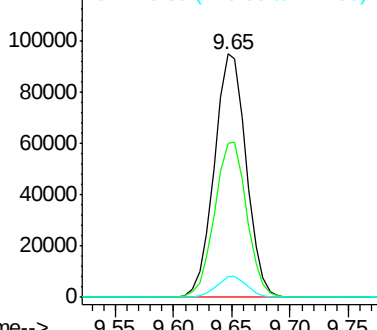
83 100

85 63.2 50.6 75.8

127 8.5 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: 50.52 ug/l

RT: 9.45 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VW003250.D

Acq: 13 Jun 2018 17:24

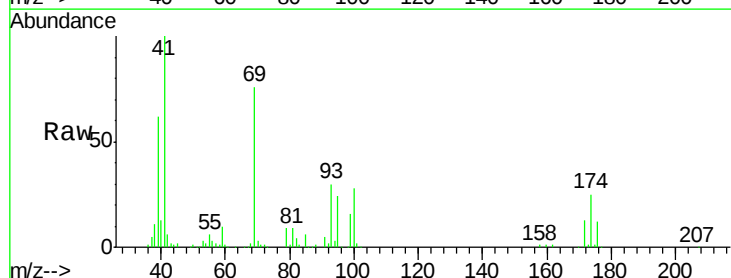
Tgt Ion: 41 Resp: 80864

Ion Ratio Lower Upper

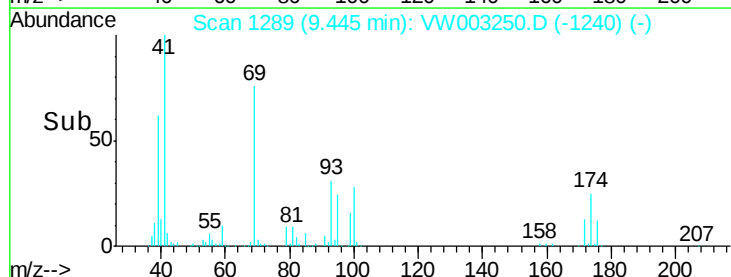
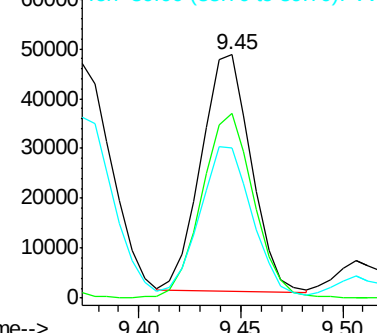
41 100

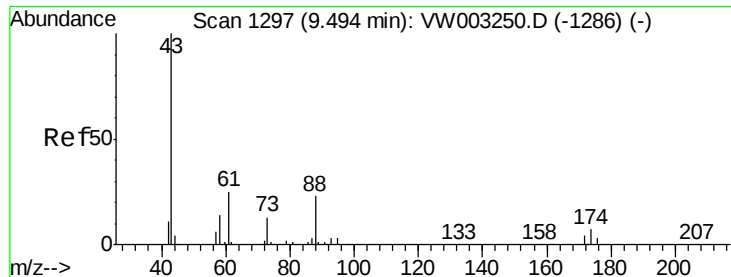
69 81.8 65.4 98.2

39 67.7 54.2 81.2



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

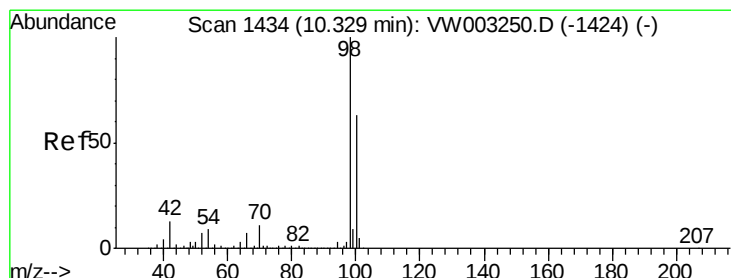
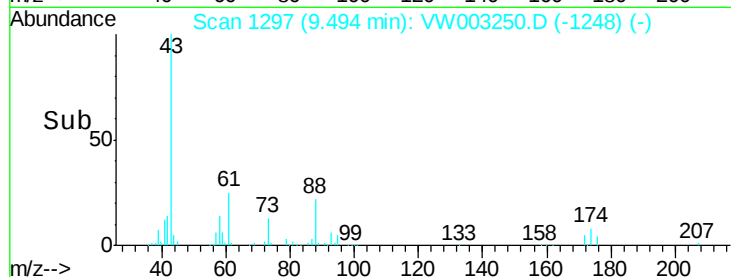
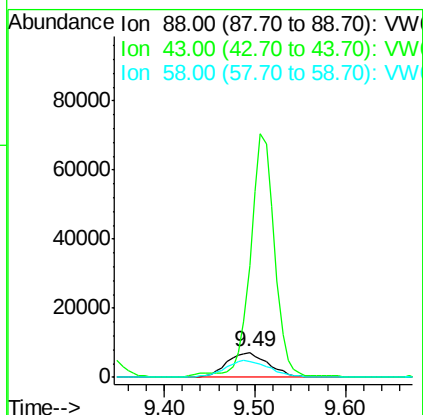
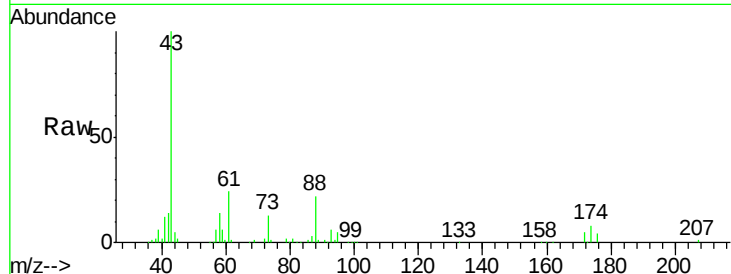




#49
1,4-Dioxane
Concen: 985.65 ug/l
RT: 9.49 min Scan# 1297
Delta R.T. 0.00 min
Lab File: VW003250.D
Acq: 13 Jun 2018 17:24

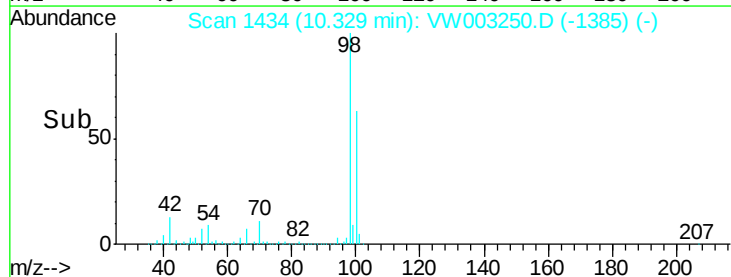
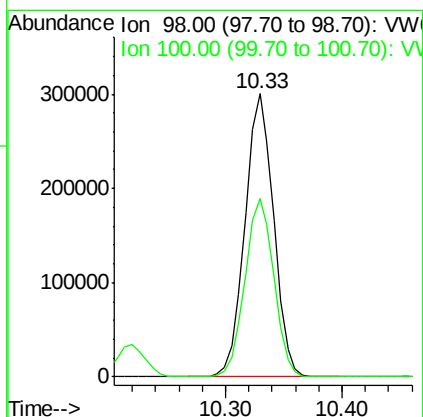
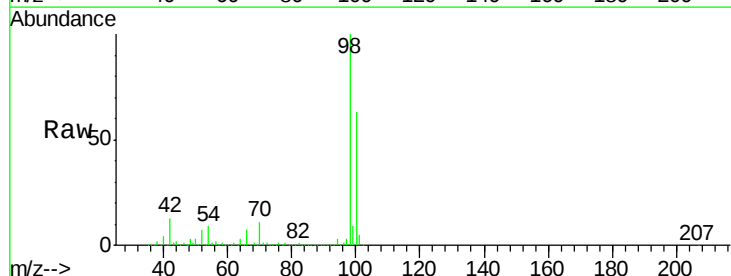
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

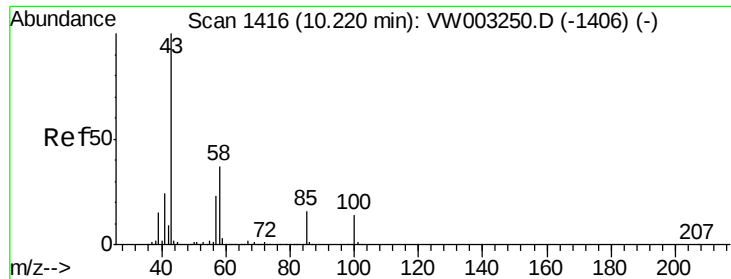
Tgt Ion: 88 Resp: 22746
Ion Ratio Lower Upper
88 100
43 568.4 454.7 682.1
58 73.3 58.6 88.0



#50
Toluene-d8
Concen: 53.25 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003250.D
Acq: 13 Jun 2018 17:24

Tgt Ion: 98 Resp: 514907
Ion Ratio Lower Upper
98 100
100 63.5 50.8 76.2

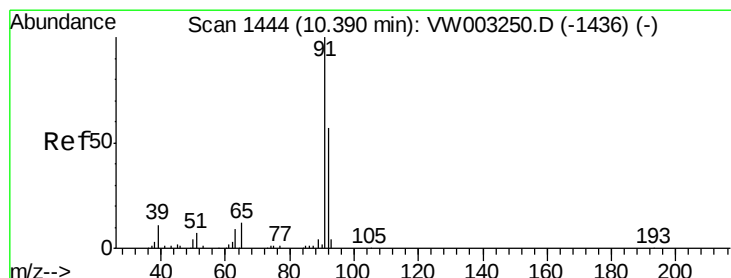
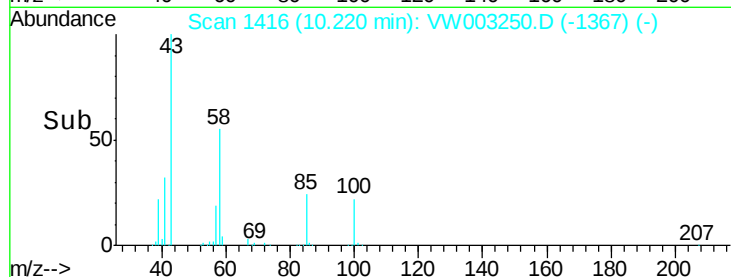
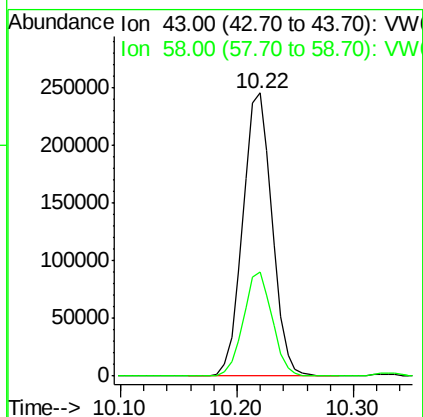
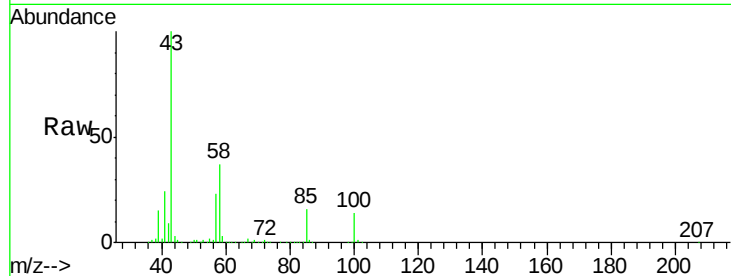




#51
 4-Methyl-2-Pentanone
 Concen: 253.32 ug/l
 RT: 10.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VW003250.D
 Acq: 13 Jun 2018 17:24

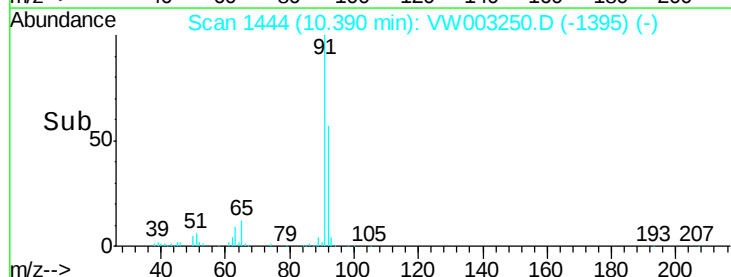
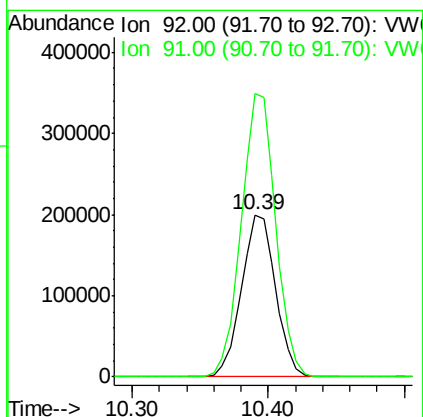
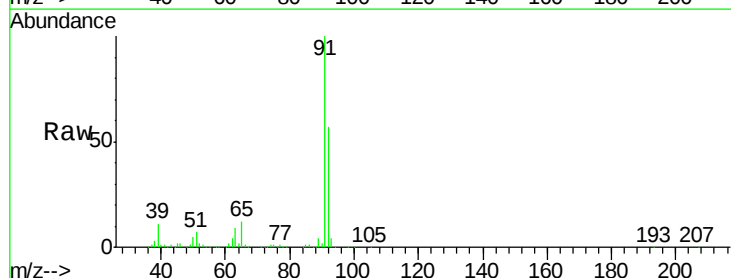
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDICCC050

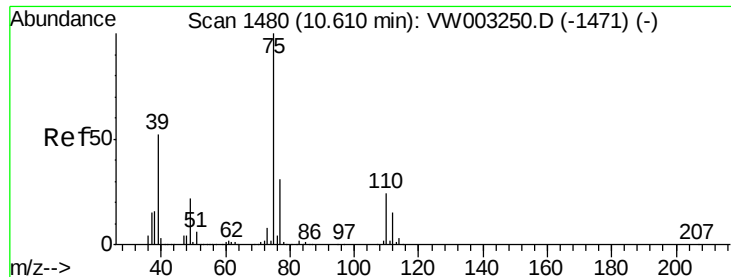
Tgt Ion: 43 Resp: 433574
 Ion Ratio Lower Upper
 43 100
 58 36.2 29.0 43.4



#52
 Toluene
 Concen: 48.90 ug/l
 RT: 10.39 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VW003250.D
 Acq: 13 Jun 2018 17:24

Tgt Ion: 92 Resp: 348150
 Ion Ratio Lower Upper
 92 100
 91 176.4 141.1 211.7





#53

t-1,3-Dichloropropene

Concen: 50.96 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW003250.D

Acq: 13 Jun 2018 17:24

Instrument :

MSVOA_W

ClientSampleId :

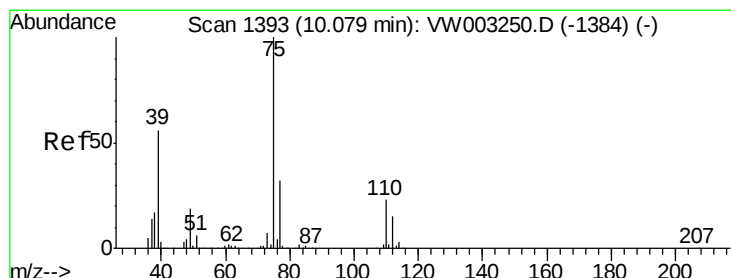
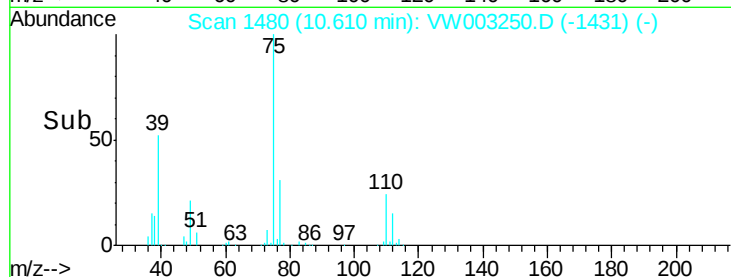
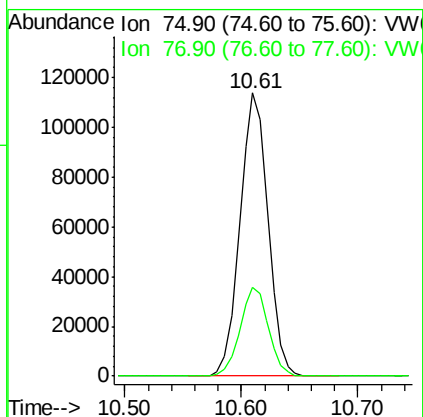
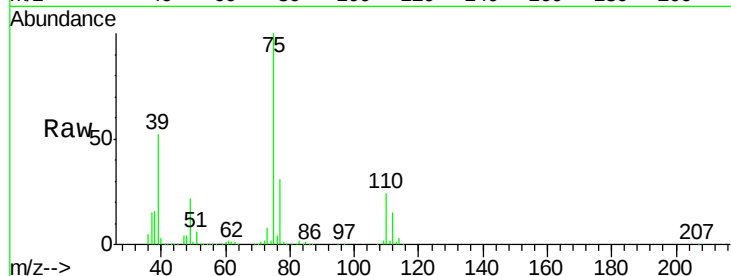
VSTDICCC050

Tgt Ion: 75 Resp: 190834

Ion Ratio Lower Upper

75 100

77 31.1 24.9 37.3



#54

cis-1,3-Dichloropropene

Concen: 50.43 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW003250.D

Acq: 13 Jun 2018 17:24

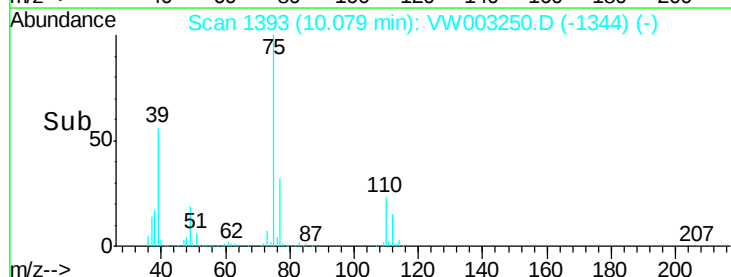
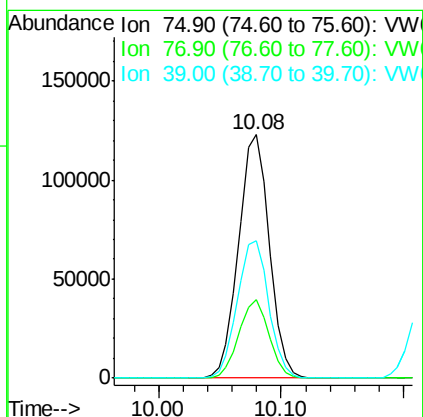
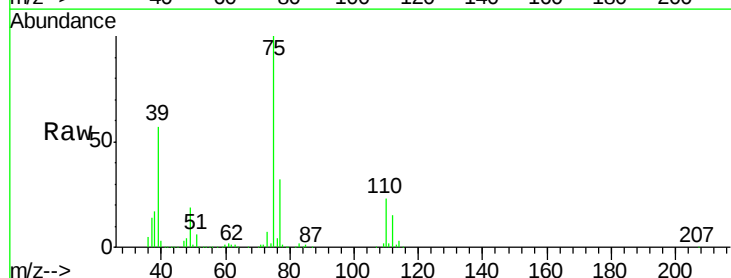
Tgt Ion: 75 Resp: 214808

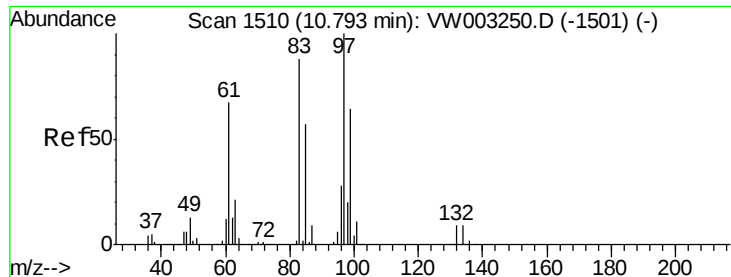
Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.6

39 56.5 45.2 67.8





#55

1,1,2-Trichloroethane

Concen: 48.64 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VW003250.D

Acq: 13 Jun 2018 17:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

Tgt Ion: 97 Resp: 100091

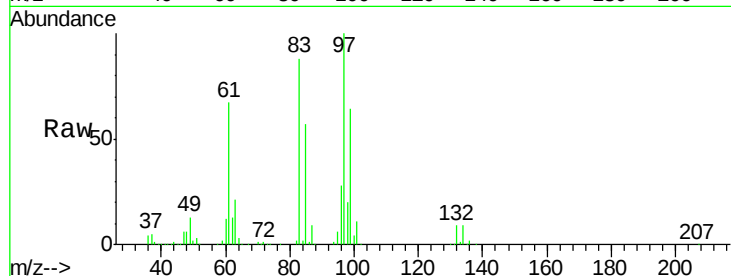
Ion Ratio Lower Upper

97 100

83 87.7 70.2 105.2

85 57.0 45.6 68.4

99 64.0 51.2 76.8

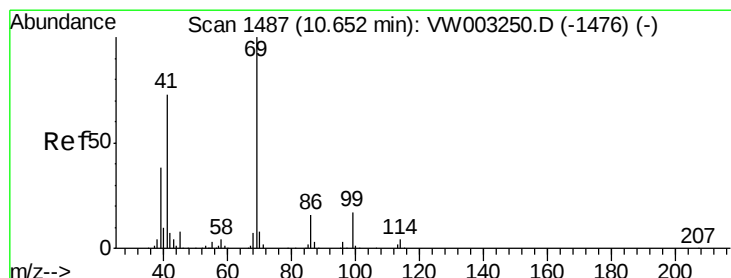
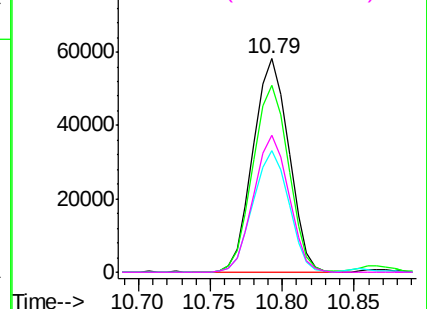
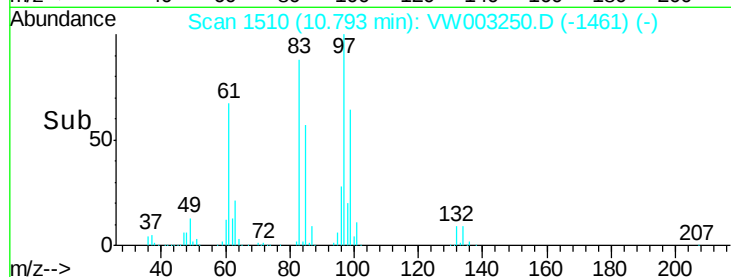


Abundance Ion 96.90 (96.60 to 97.60): VW

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: 51.00 ug/l

RT: 10.65 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW003250.D

Acq: 13 Jun 2018 17:24

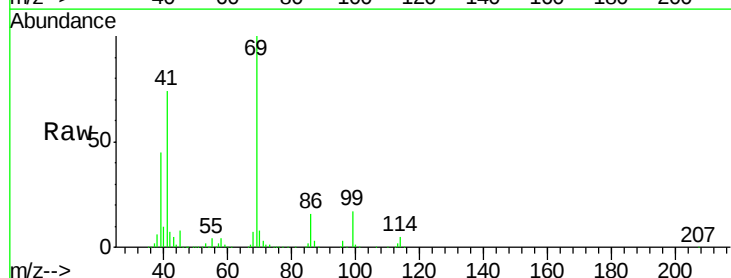
Tgt Ion: 69 Resp: 130069

Ion Ratio Lower Upper

69 100

41 72.2 57.8 86.6

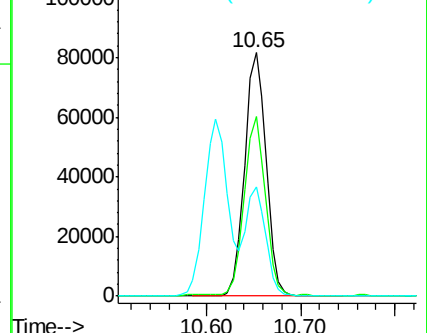
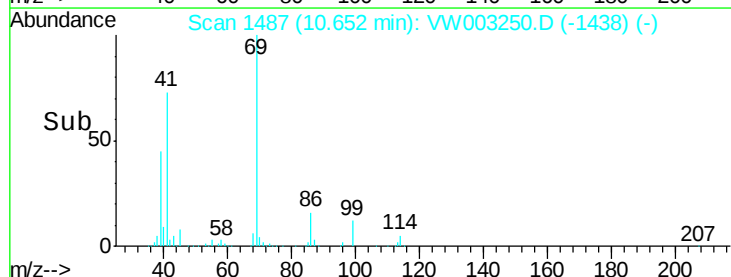
39 40.9 32.7 49.1



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

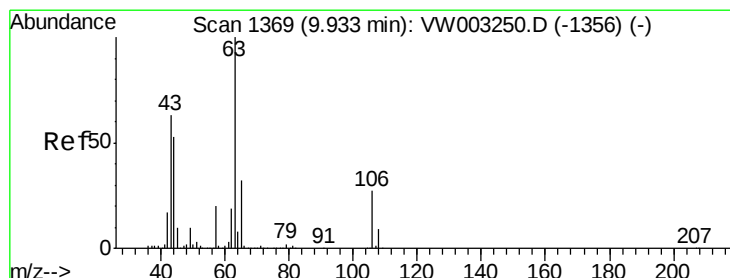
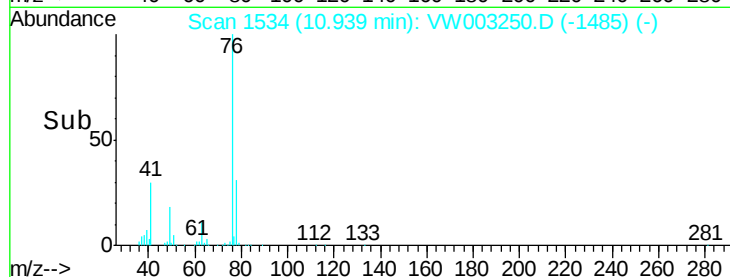
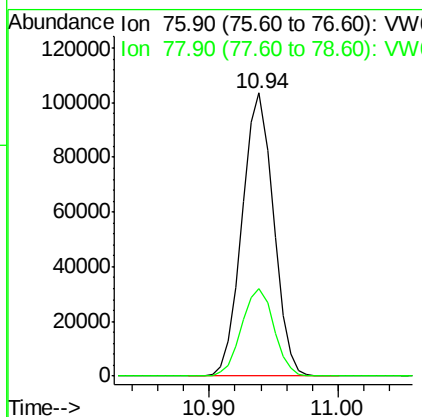
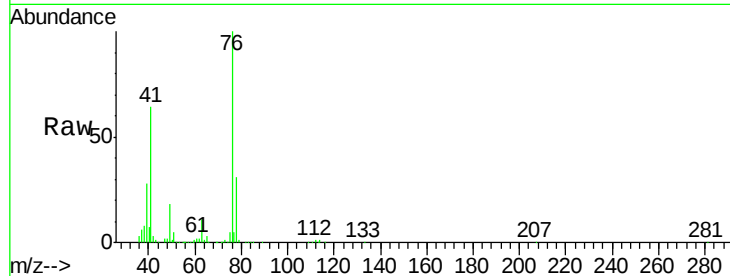




#57
 1,3-Dichloropropane
 Concen: 48.97 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VW003250.D
 Acq: 13 Jun 2018 17:24

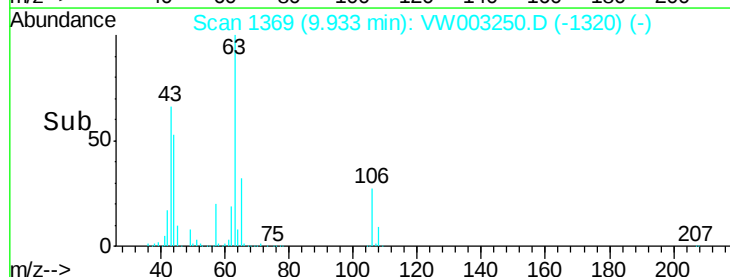
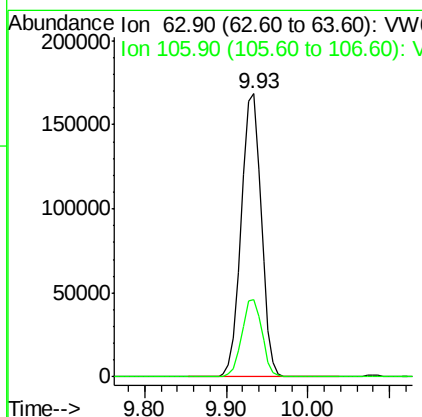
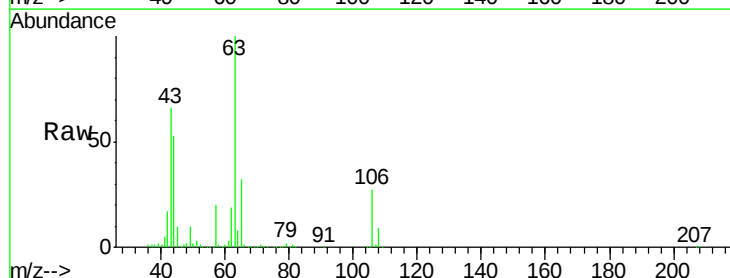
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

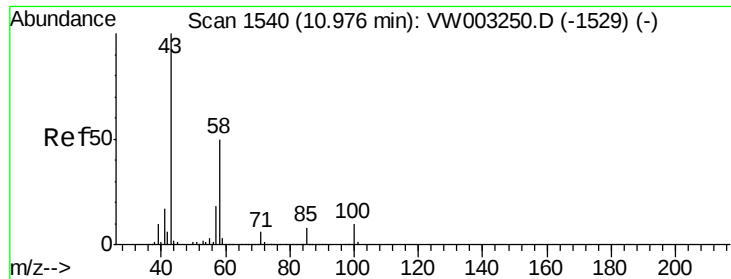
Tgt Ion: 76 Resp: 174044
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 245.68 ug/l
 RT: 9.93 min Scan# 1369
 Delta R.T. 0.00 min
 Lab File: VW003250.D
 Acq: 13 Jun 2018 17:24

Tgt Ion: 63 Resp: 285775
 Ion Ratio Lower Upper
 63 100
 106 27.3 21.8 32.8

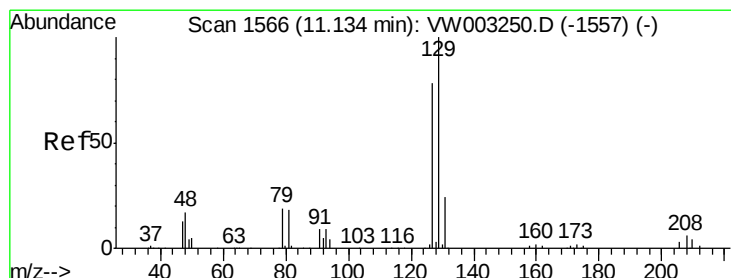
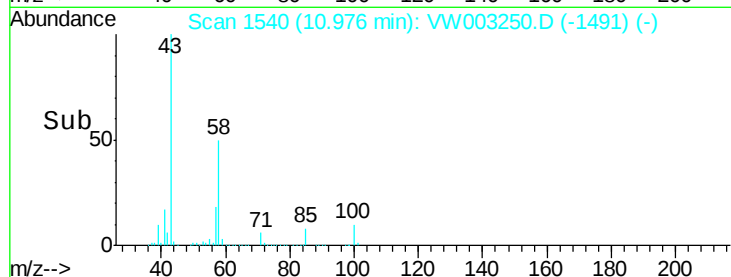
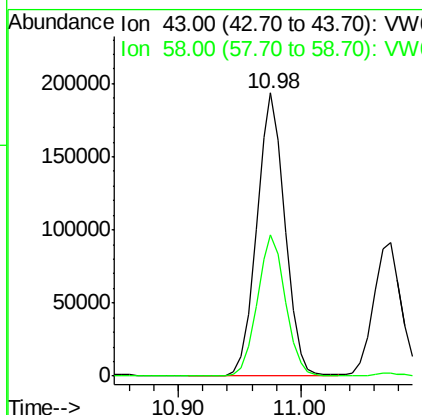
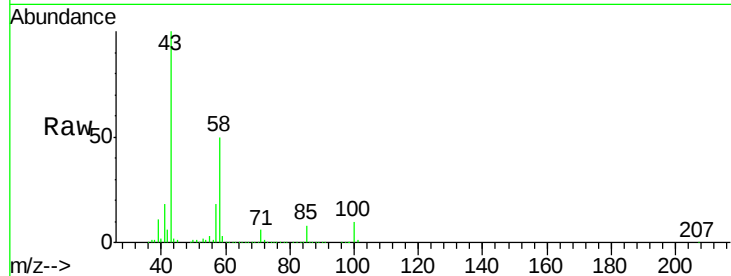




#59
2-Hexanone
Concen: 265.98 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW003250.D
Acq: 13 Jun 2018 17:24

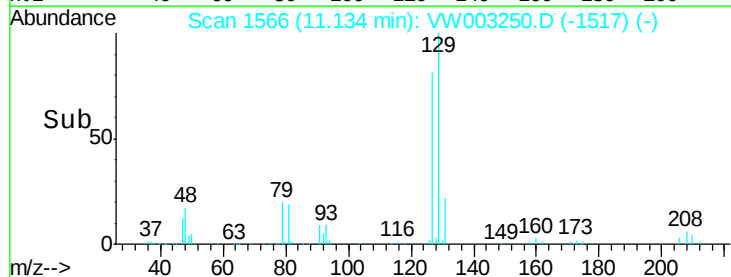
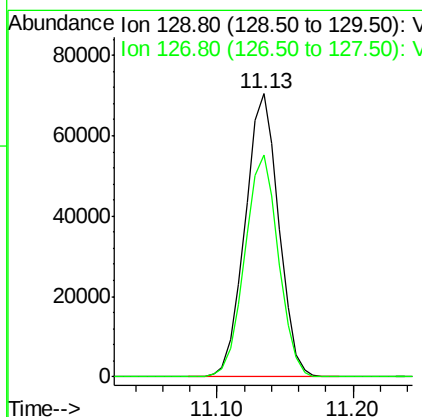
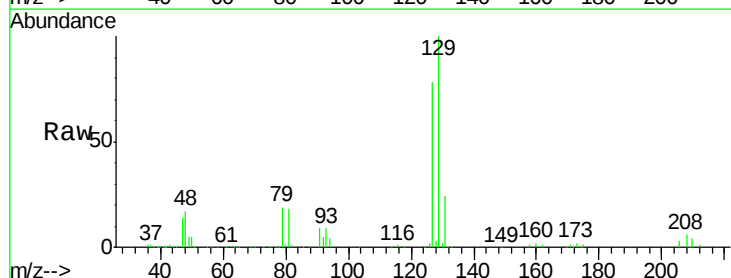
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

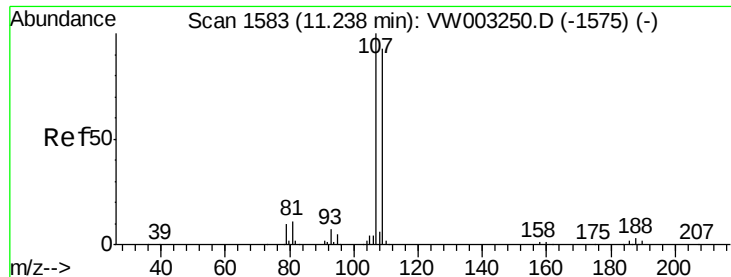
Tgt Ion: 43 Resp: 309807
Ion Ratio Lower Upper
43 100
58 50.0 25.0 75.0



#60
Dibromochloromethane
Concen: 49.25 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW003250.D
Acq: 13 Jun 2018 17:24

Tgt Ion: 129 Resp: 121870
Ion Ratio Lower Upper
129 100
127 78.3 39.1 117.5

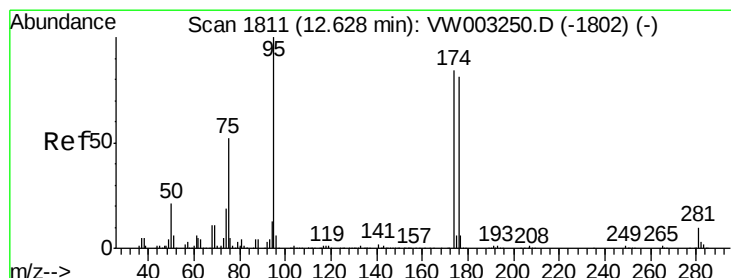
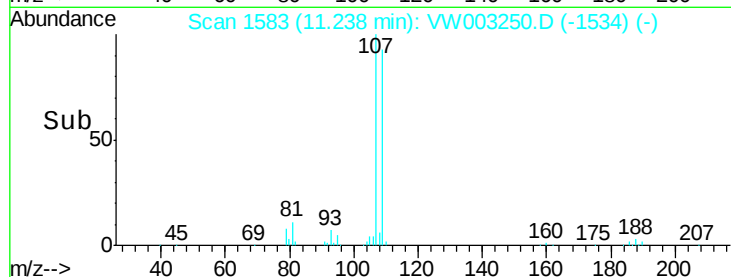
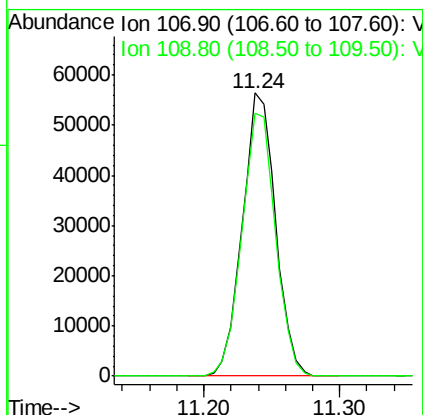
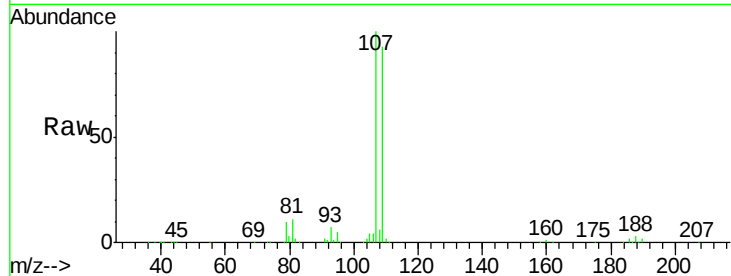




#61
 1,2-Dibromoethane
 Concen: 48.45 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW003250.D
 Acq: 13 Jun 2018 17:24

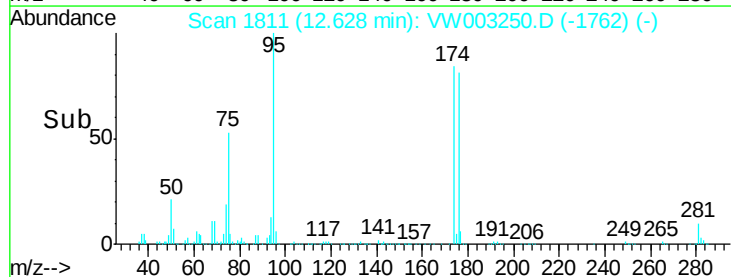
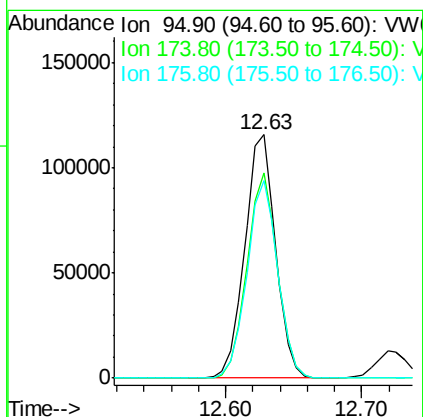
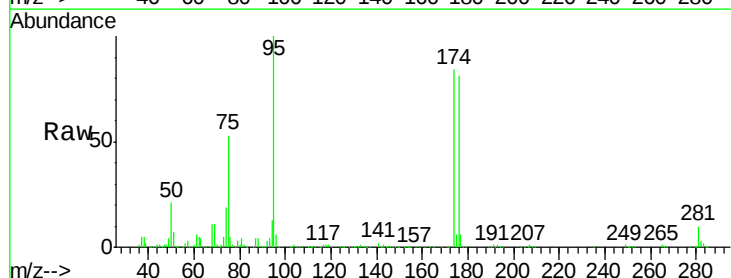
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

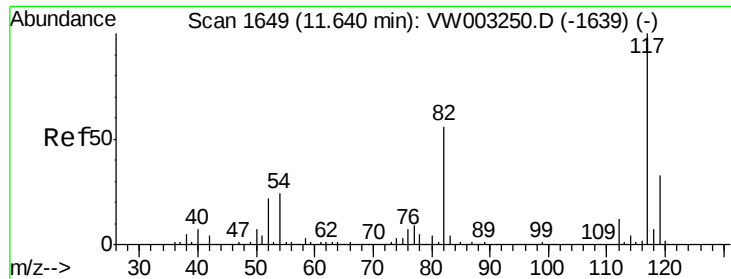
Tgt Ion: 107 Resp: 96066
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.8 113.6



#62
 4-Bromofluorobenzene
 Concen: 52.18 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW003250.D
 Acq: 13 Jun 2018 17:24

Tgt Ion: 95 Resp: 183104
 Ion Ratio Lower Upper
 95 100
 174 83.2 0.0 166.4
 176 81.0 0.0 162.0

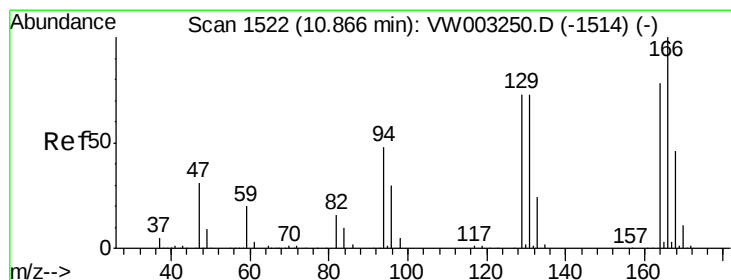
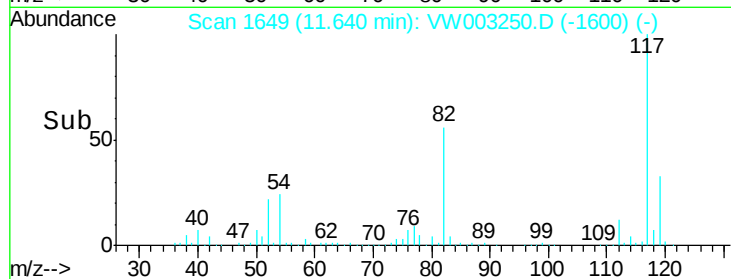
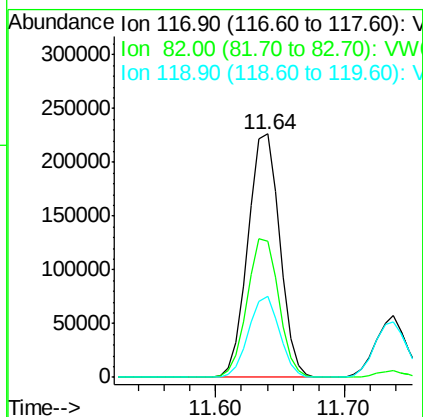
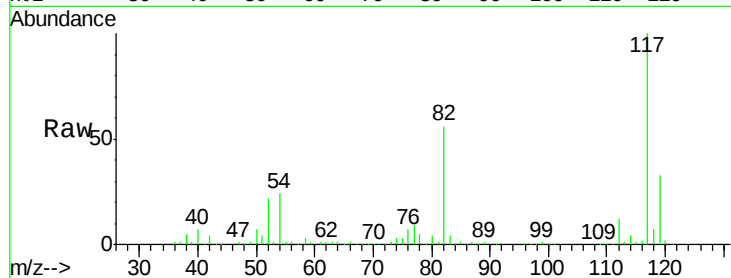




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VW003250.D
Acq: 13 Jun 2018 17:24

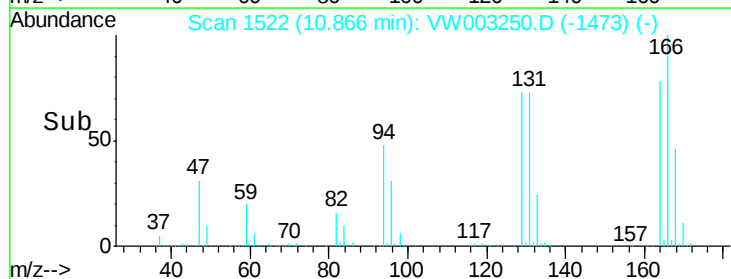
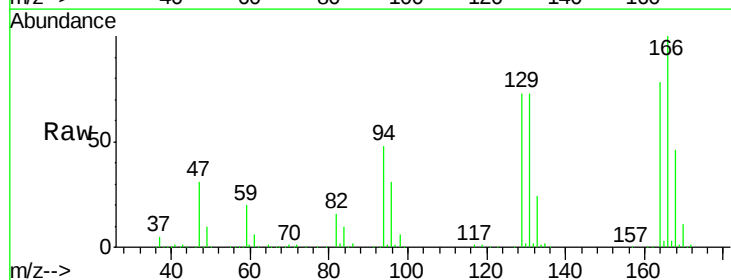
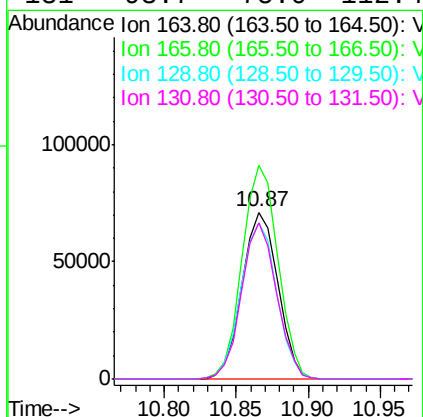
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

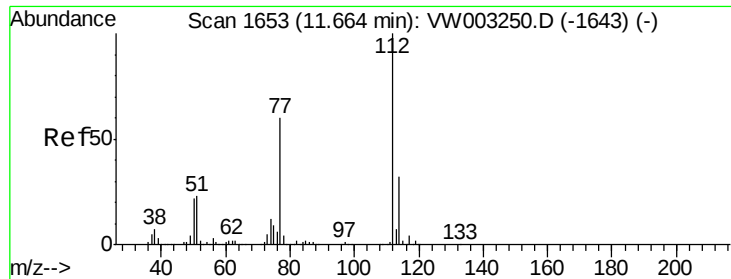
Tgt Ion:117 Resp: 385757
Ion Ratio Lower Upper
117 100
82 55.8 44.6 67.0
119 33.4 26.7 40.1



#64
Tetrachloroethene
Concen: 45.10 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW003250.D
Acq: 13 Jun 2018 17:24

Tgt Ion:164 Resp: 123216
Ion Ratio Lower Upper
164 100
166 128.3 102.6 154.0
129 94.0 75.2 112.8
131 93.7 75.0 112.4





#65

Chlorobenzene

Concen: 48.55 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VW003250.D

Acq: 13 Jun 2018 17:24

Instrument :

MSVOA_W

ClientSampleId :

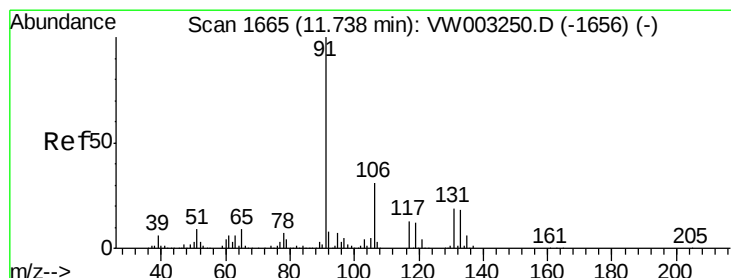
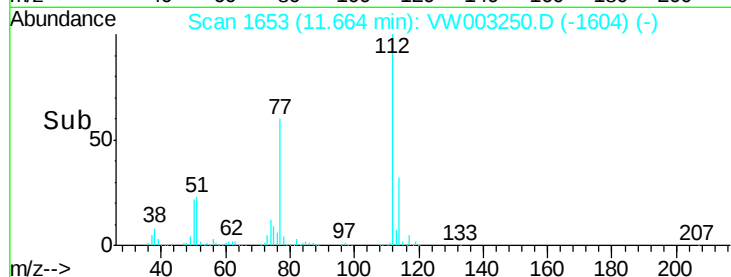
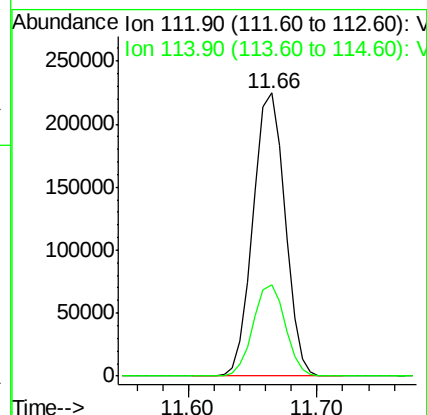
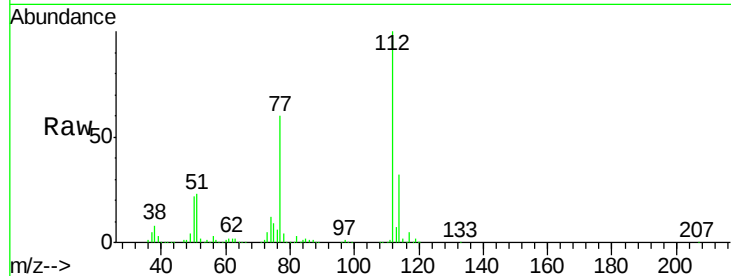
VSTDICCC050

Tgt Ion:112 Resp: 385087

Ion Ratio Lower Upper

112 100

114 32.4 25.9 38.9



#66

1,1,1,2-Tetrachloroethane

Concen: 49.93 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW003250.D

Acq: 13 Jun 2018 17:24

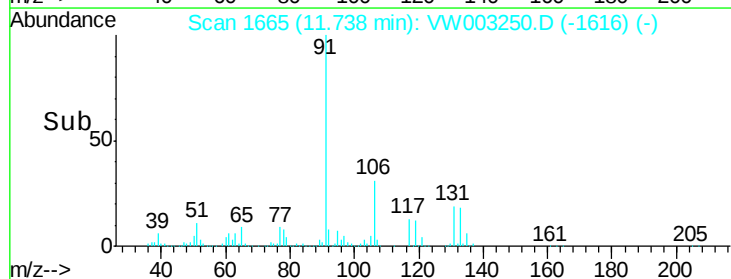
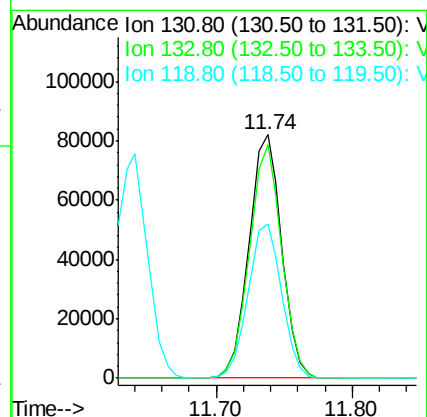
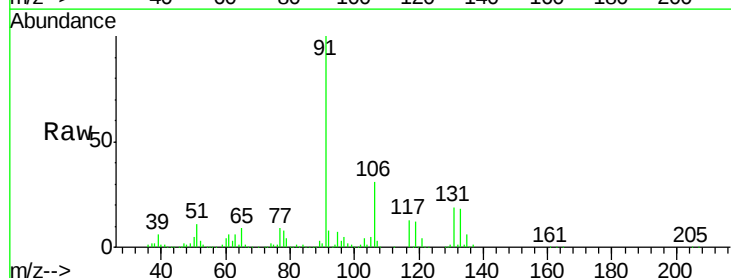
Tgt Ion:131 Resp: 138148

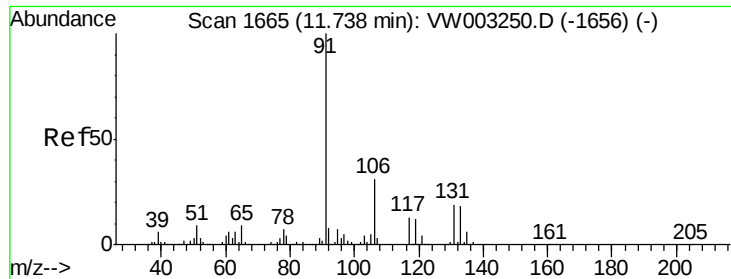
Ion Ratio Lower Upper

131 100

133 94.7 47.3 142.0

119 64.9 32.5 97.4

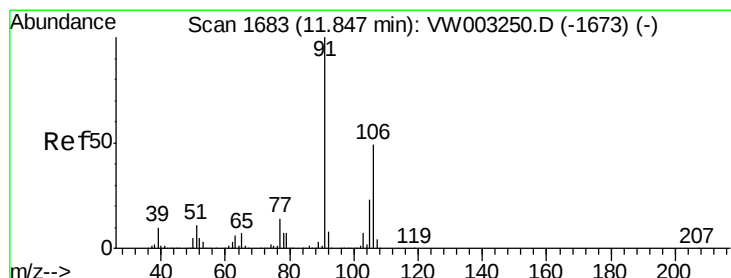
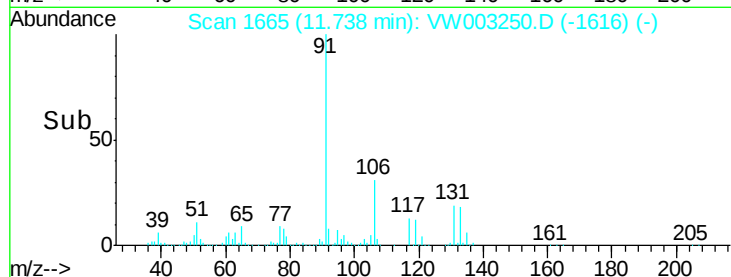
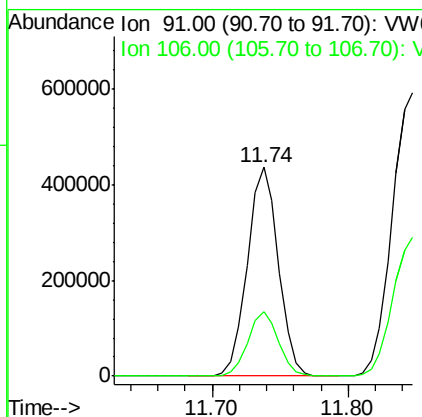
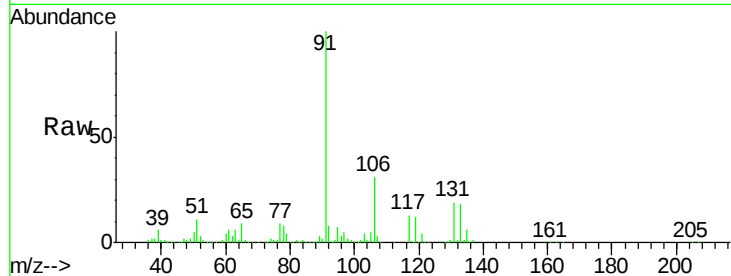




#67
Ethyl Benzene
Concen: 49.75 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW003250.D
Acq: 13 Jun 2018 17:24

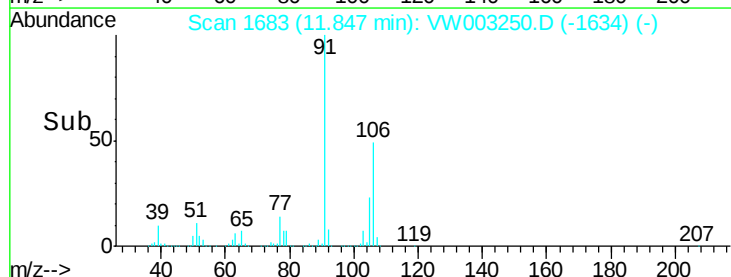
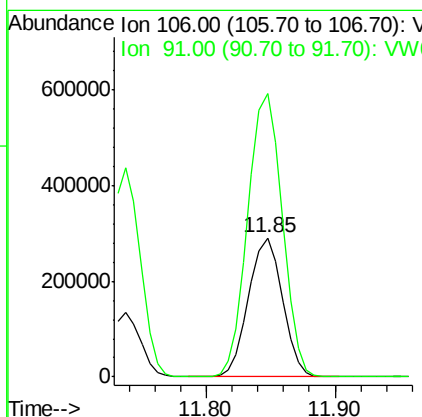
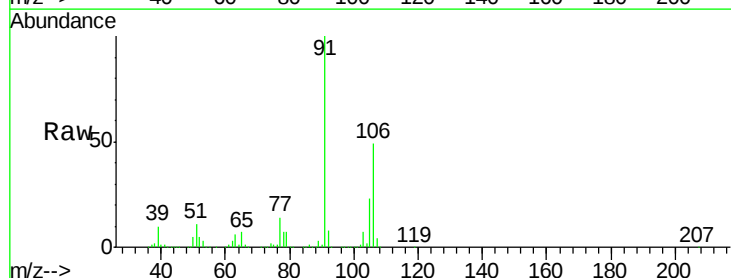
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

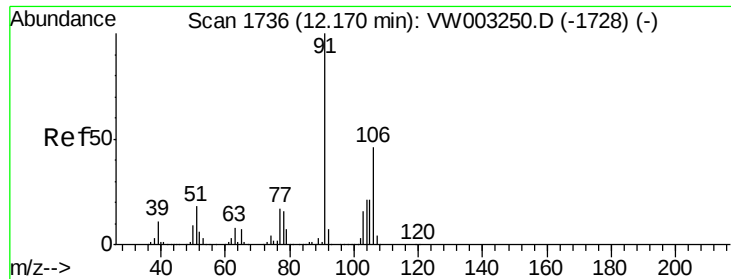
Tgt Ion: 91 Resp: 697909
Ion Ratio Lower Upper
91 100
106 30.9 24.7 37.1



#68
m/p-Xylenes
Concen: 99.01 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW003250.D
Acq: 13 Jun 2018 17:24

Tgt Ion: 106 Resp: 530983
Ion Ratio Lower Upper
106 100
91 206.7 165.4 248.0

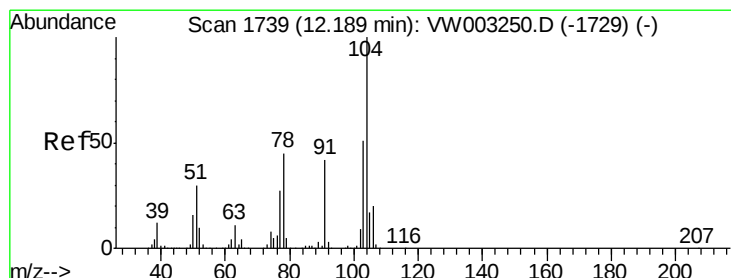
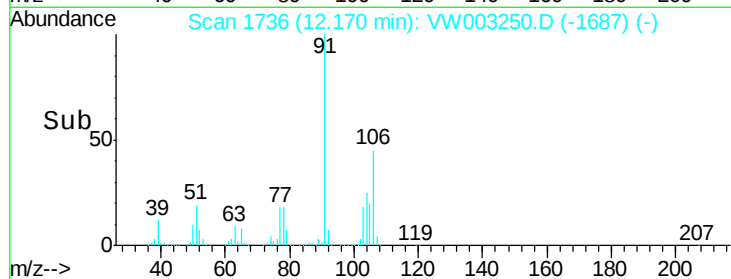
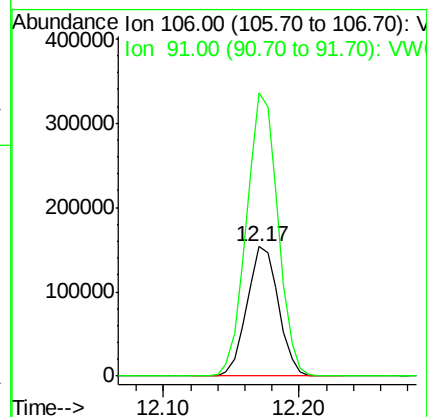
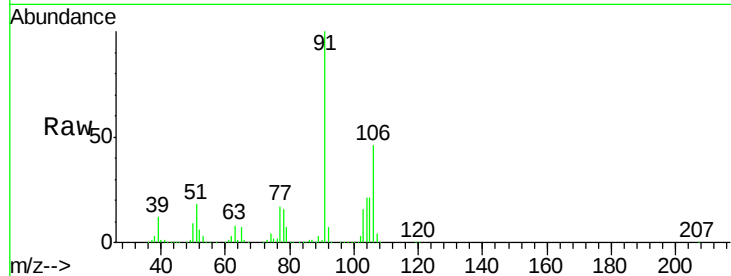




#69
o-Xylene
Concen: 49.51 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003250.D
Acq: 13 Jun 2018 17:24

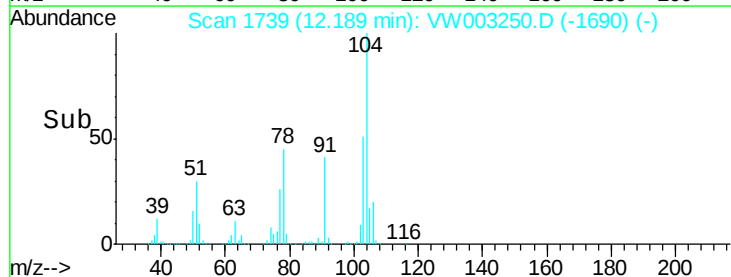
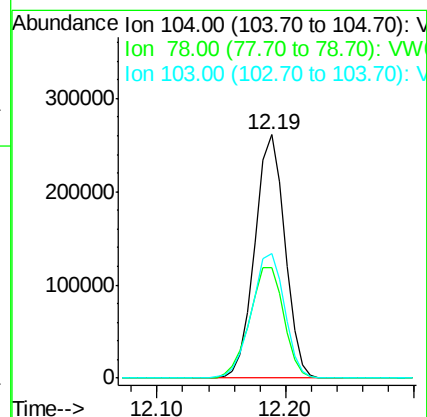
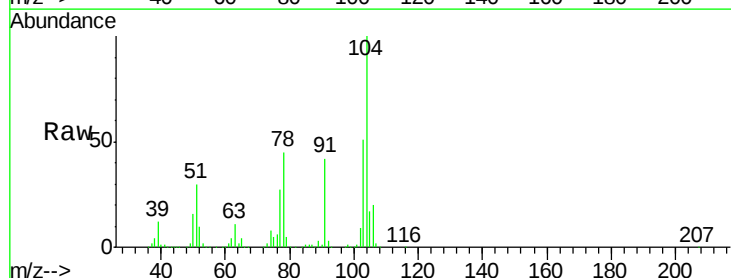
Instrument :
MSVOA_W
ClientSampleId :
VSTDICCC050

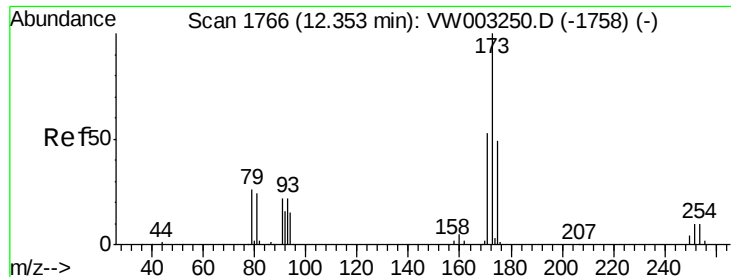
Tgt Ion:106 Resp: 250363
Ion Ratio Lower Upper
106 100
91 217.1 108.6 325.6



#70
Styrene
Concen: 49.82 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW003250.D
Acq: 13 Jun 2018 17:24

Tgt Ion:104 Resp: 420723
Ion Ratio Lower Upper
104 100
78 51.6 41.3 61.9
103 56.2 45.0 67.4





#71

Bromoform

Concen: 49.89 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW003250.D

Acq: 13 Jun 2018 17:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

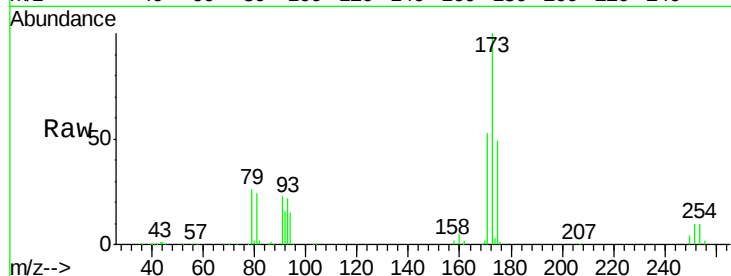
Tgt Ion:173 Resp: 73764

Ion Ratio Lower Upper

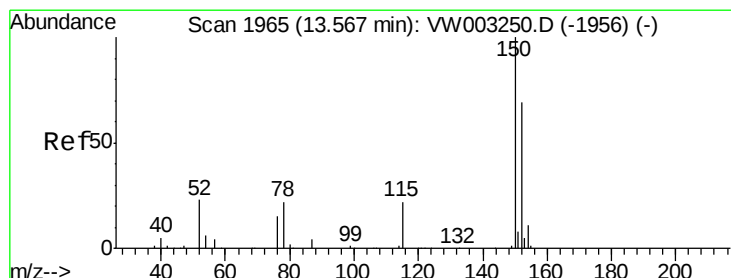
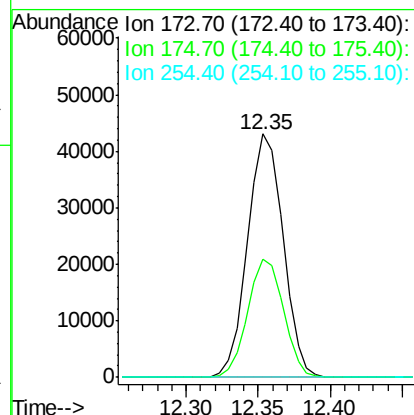
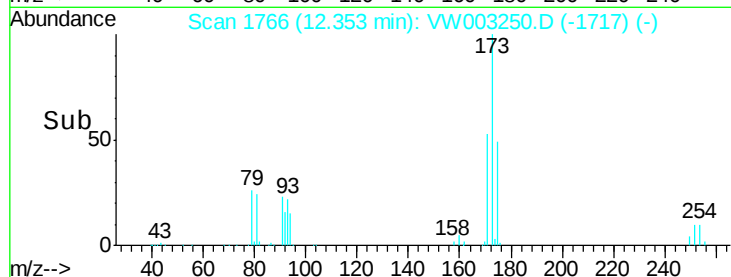
173 100

175 48.9 24.4 73.4

254 0.1 0.1 0.1



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# 1965

Delta R.T. 0.00 min

Lab File: VW003250.D

Acq: 13 Jun 2018 17:24

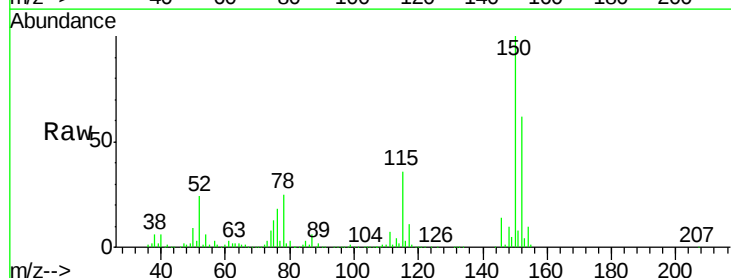
Tgt Ion:152 Resp: 207132

Ion Ratio Lower Upper

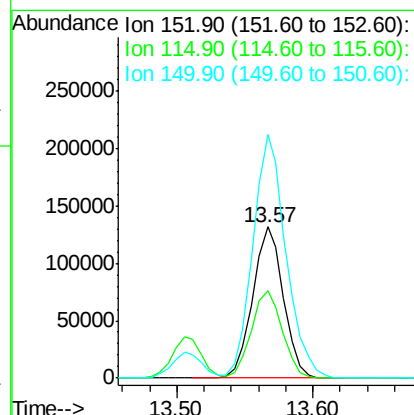
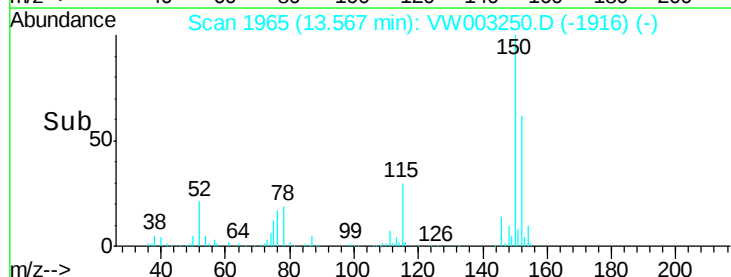
152 100

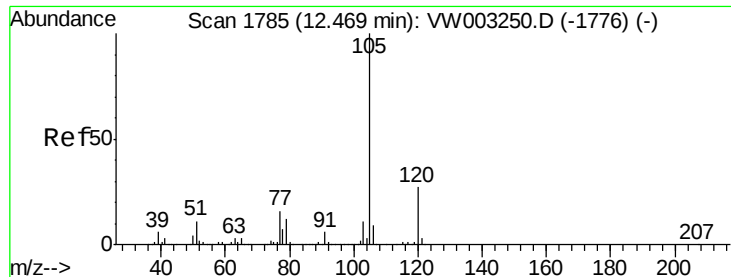
115 58.7 29.3 88.0

150 174.8 0.0 349.6



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: 49.55 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW003250.D

Acq: 13 Jun 2018 17:24

Instrument :

MSVOA_W

ClientSampleId :

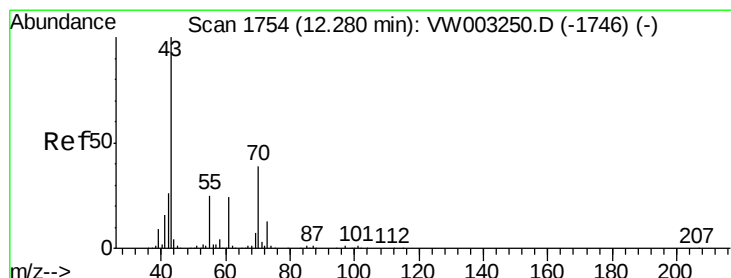
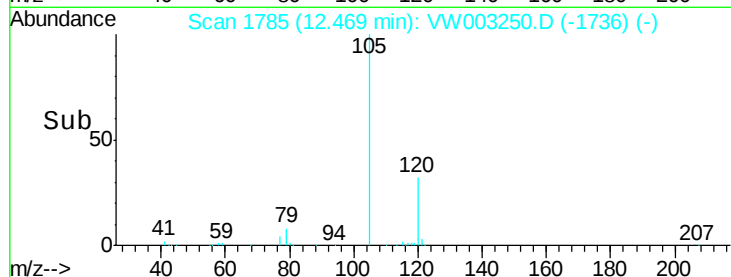
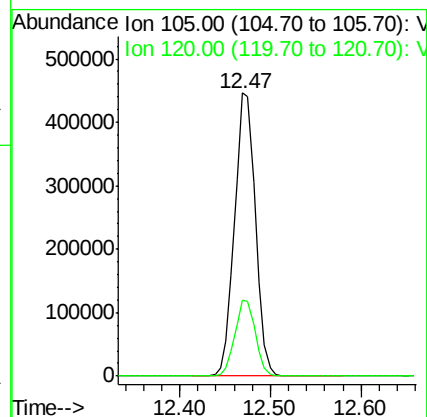
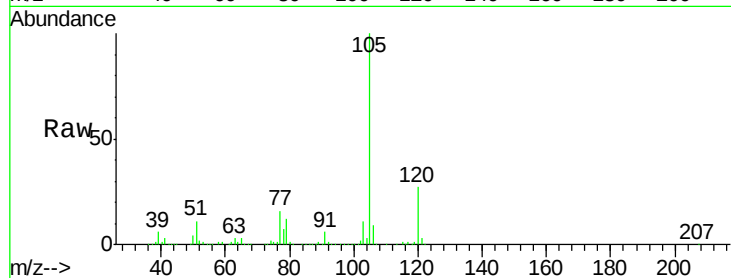
VSTDICCC050

Tgt Ion:105 Resp: 710482

Ion Ratio Lower Upper

105 100

120 26.4 13.2 39.6



#74

N-ethyl acetate

Concen: 49.95 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW003250.D

Acq: 13 Jun 2018 17:24

Tgt Ion: 43 Resp: 165049

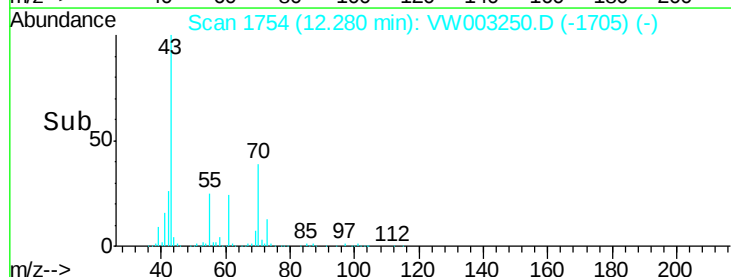
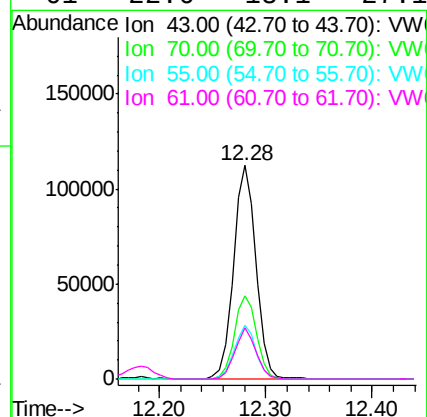
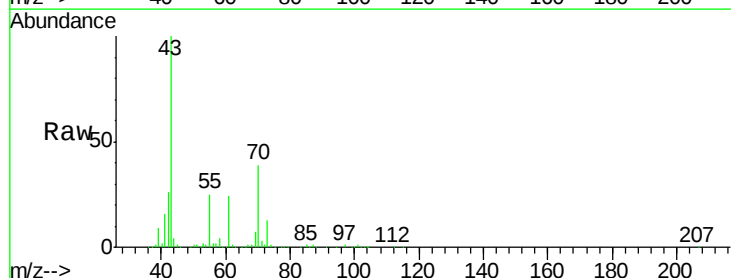
Ion Ratio Lower Upper

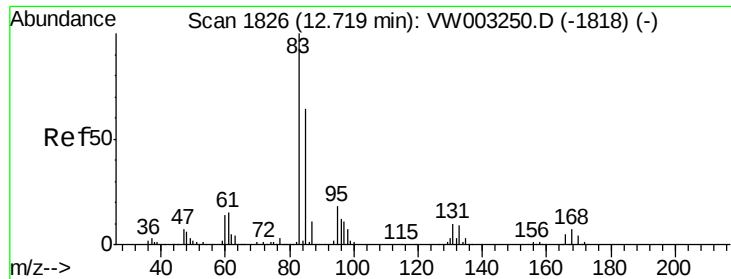
43 100

70 38.8 31.0 46.6

55 24.6 19.7 29.5

61 22.6 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 48.43 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW003250.D

Acq: 13 Jun 2018 17:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

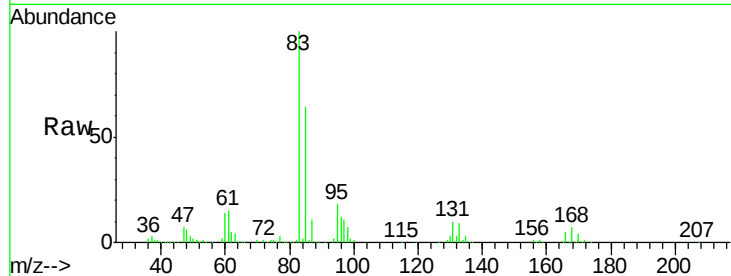
Tgt Ion: 83 Resp: 118281

Ion Ratio Lower Upper

83 100

131 10.8 5.4 16.2

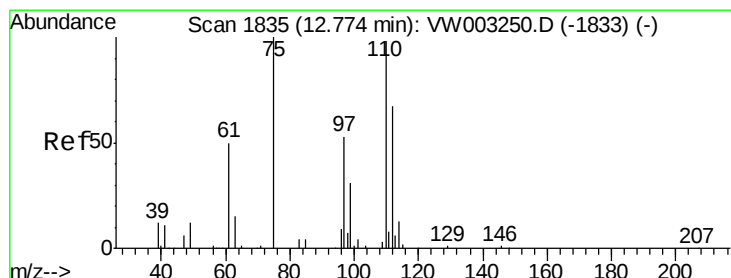
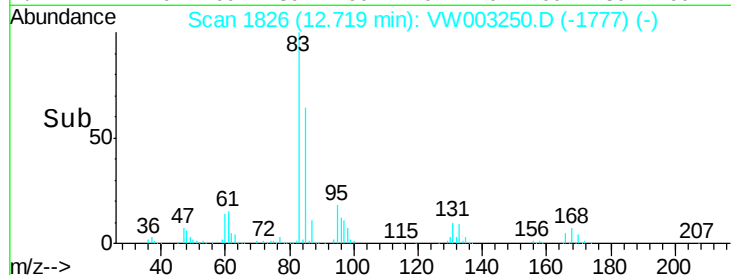
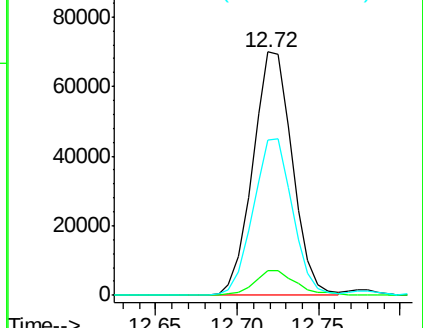
85 63.8 31.9 95.7



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: 88.95 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW003250.D

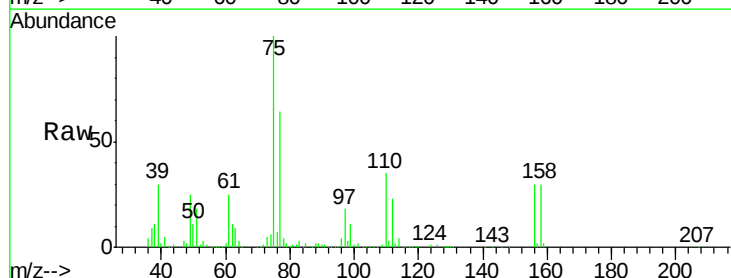
Acq: 13 Jun 2018 17:24

Tgt Ion: 75 Resp: 163395

Ion Ratio Lower Upper

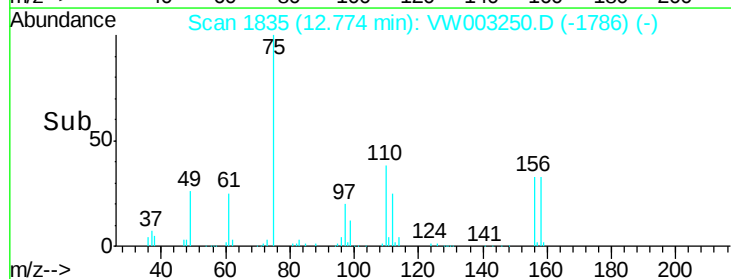
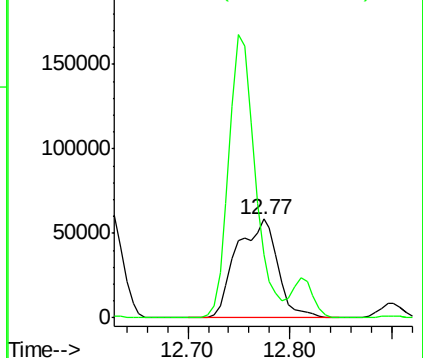
75 100

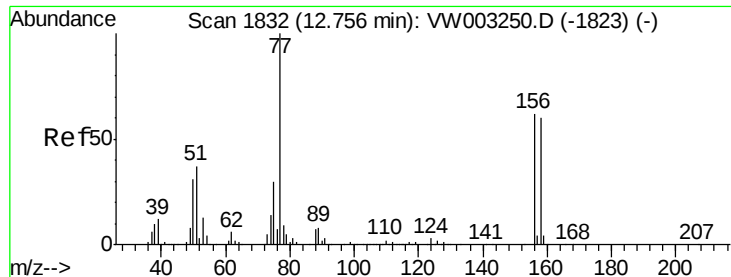
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 48.31 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VW003250.D

Acq: 13 Jun 2018 17:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

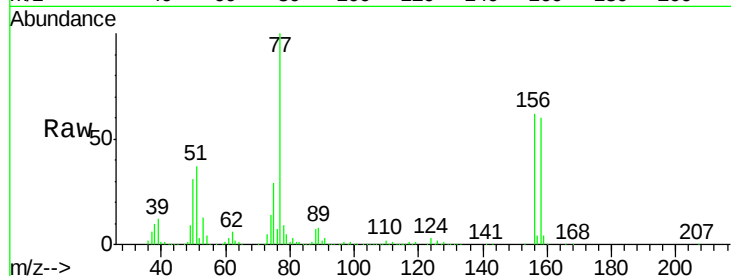
Tgt Ion:156 Resp: 163317

Ion Ratio Lower Upper

156 100

77 184.6 92.3 276.9

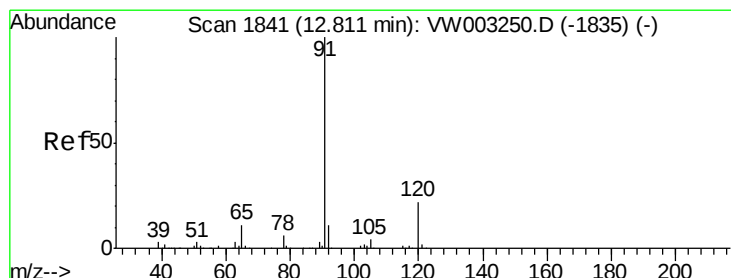
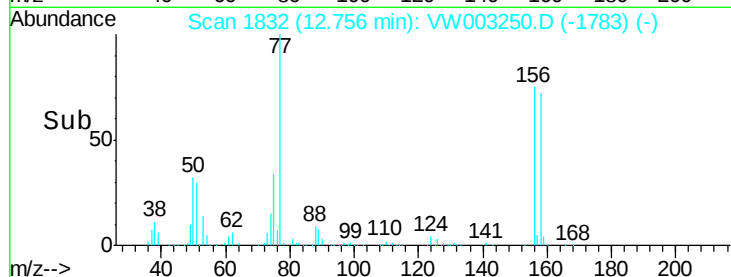
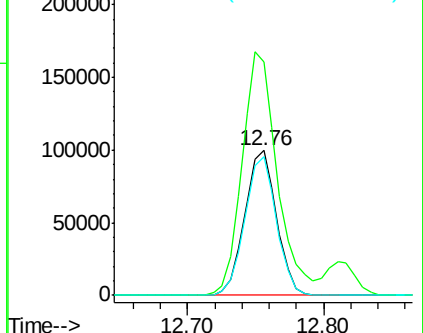
158 95.1 47.5 142.6



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: 50.83 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW003250.D

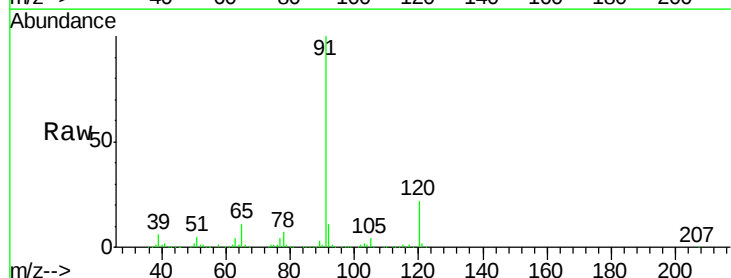
Acq: 13 Jun 2018 17:24

Tgt Ion: 91 Resp: 870258

Ion Ratio Lower Upper

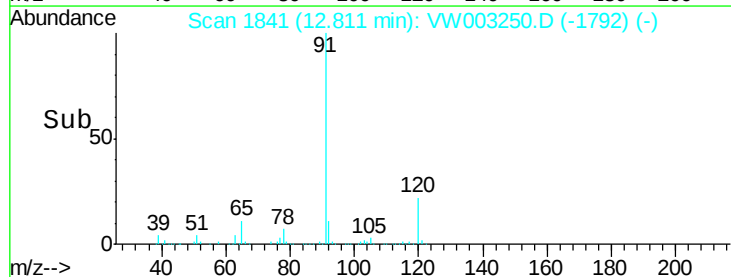
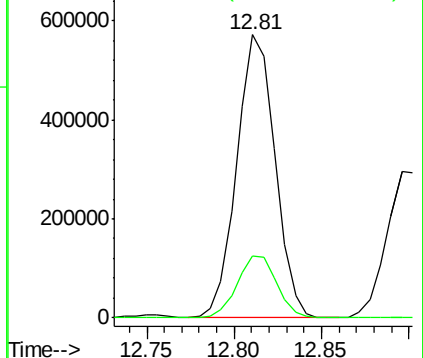
91 100

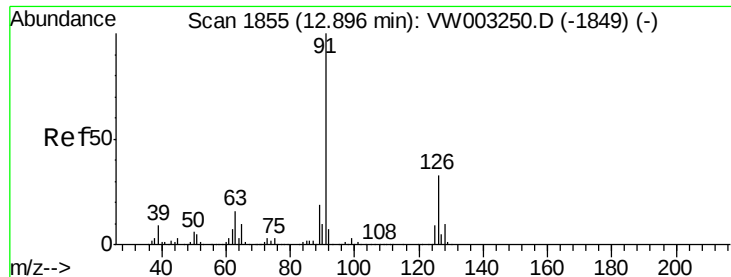
120 22.5 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.30 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW003250.D

Acq: 13 Jun 2018 17:24

Instrument :

MSVOA_W

ClientSampleId :

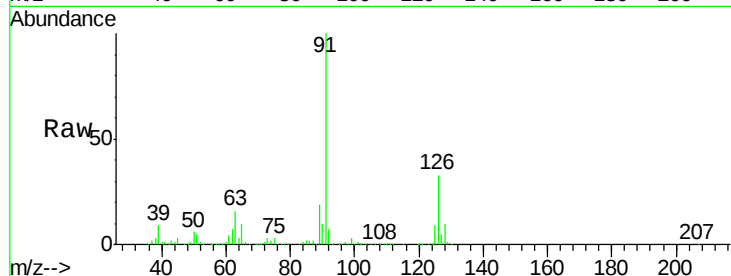
VSTDICCC050

Tgt Ion: 91 Resp: 489390

Ion Ratio Lower Upper

91 100

126 33.6 16.8 50.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

12.90

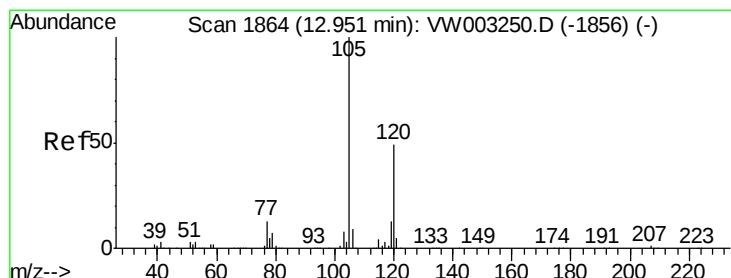
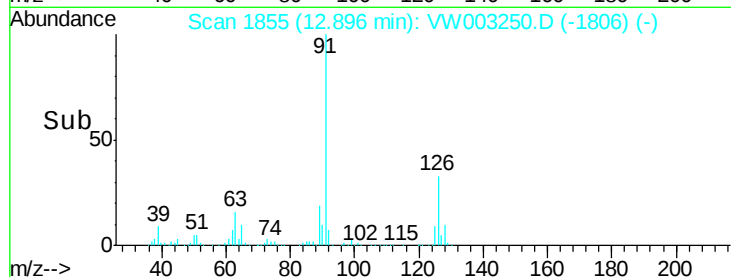
300000

200000

100000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.13 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW003250.D

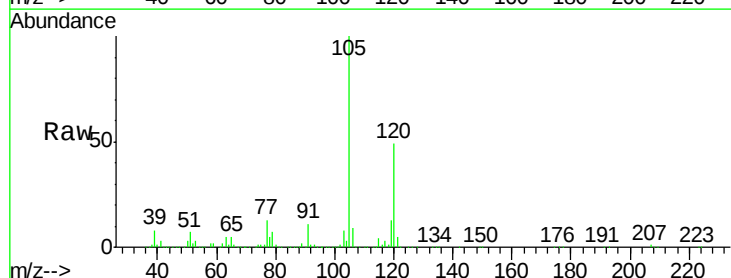
Acq: 13 Jun 2018 17:24

Tgt Ion: 105 Resp: 599424

Ion Ratio Lower Upper

105 100

120 48.6 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.95

400000

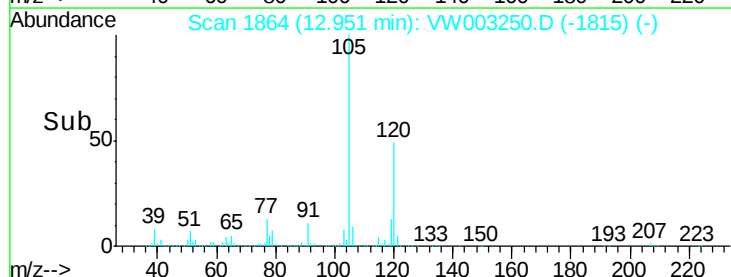
300000

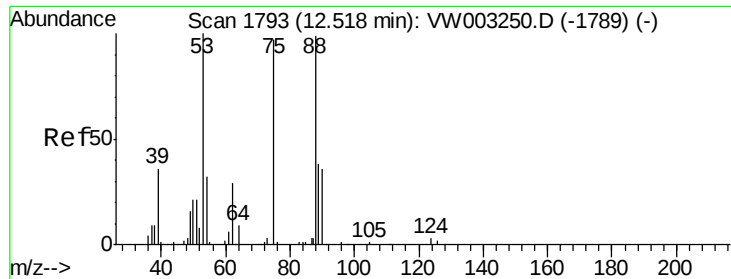
200000

100000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 53.55 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW003250.D

Acq: 13 Jun 2018 17:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

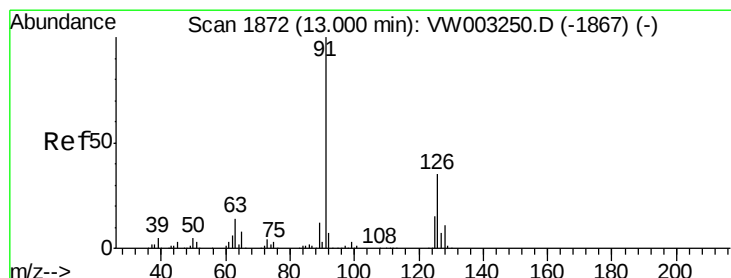
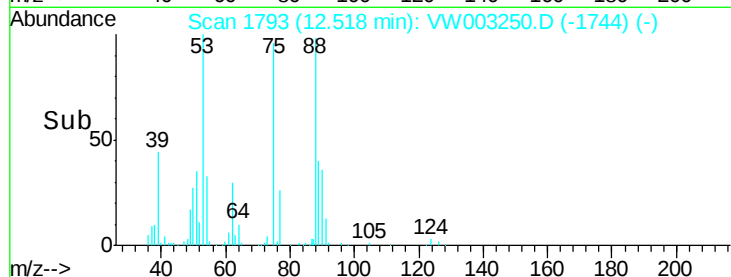
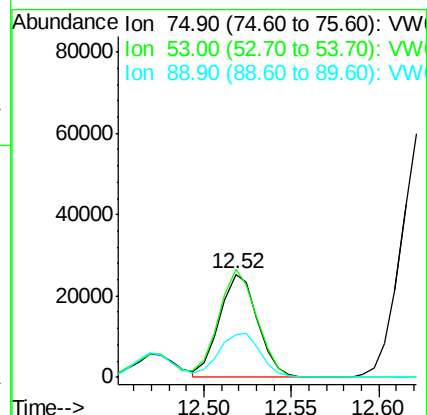
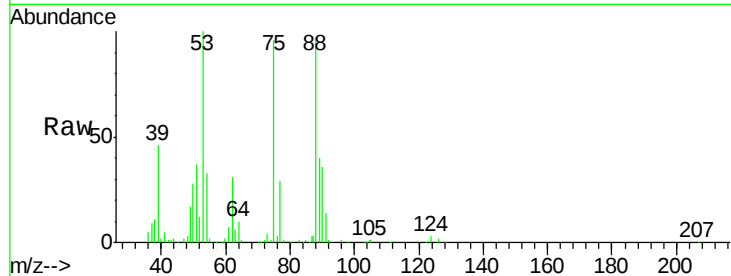
Tgt Ion: 75 Resp: 38784

Ion Ratio Lower Upper

75 100

53 103.6 82.9 124.3

89 45.9 36.7 55.1



#82

4-Chlorotoluene

Concen: 49.60 ug/l

RT: 13.00 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VW003250.D

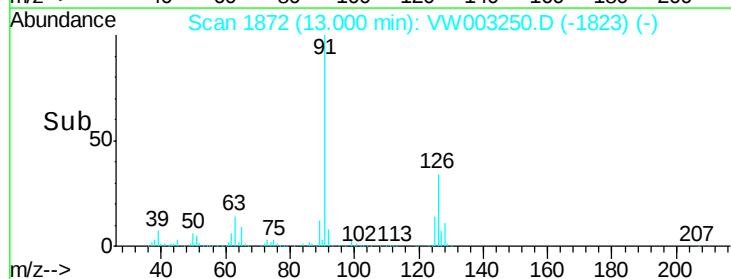
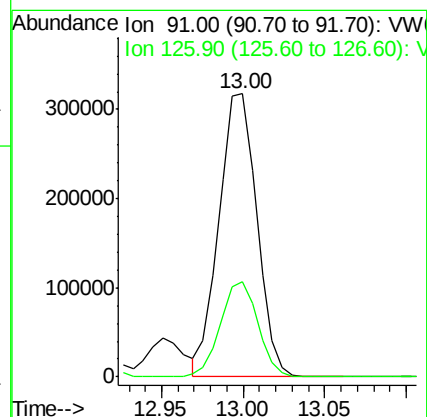
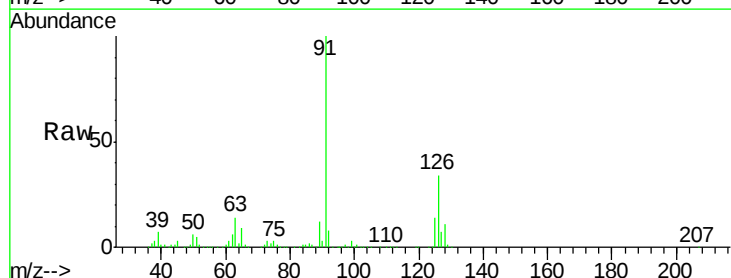
Acq: 13 Jun 2018 17:24

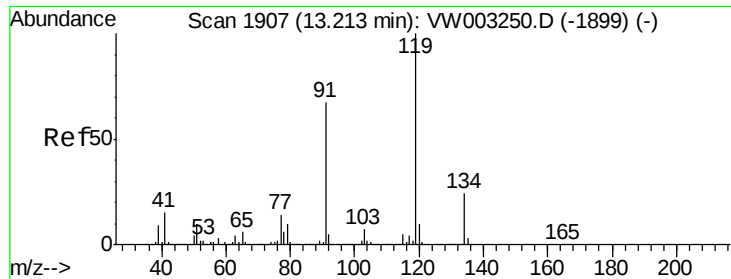
Tgt Ion: 91 Resp: 515197

Ion Ratio Lower Upper

91 100

126 33.5 16.8 50.3

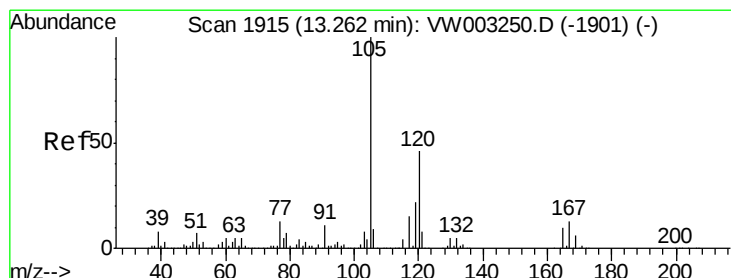
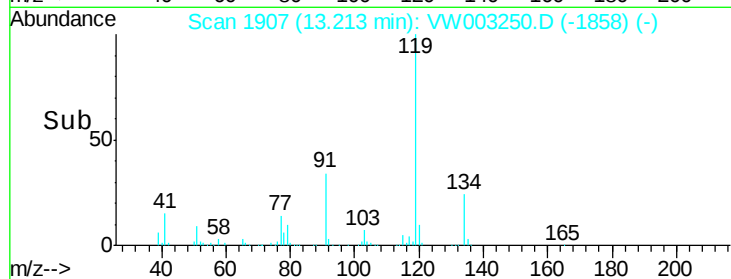
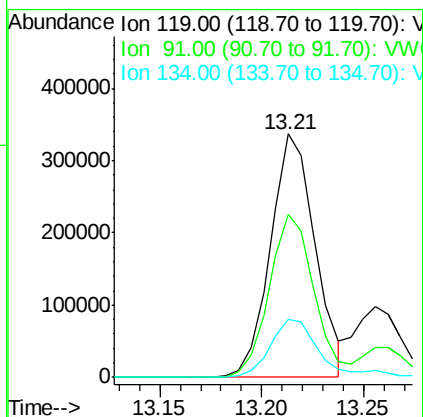
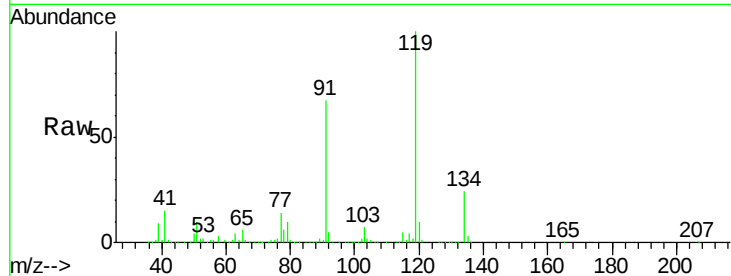




#83
 tert-Butylbenzene
 Concen: 48.69 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VW003250.D
 Acq: 13 Jun 2018 17:24

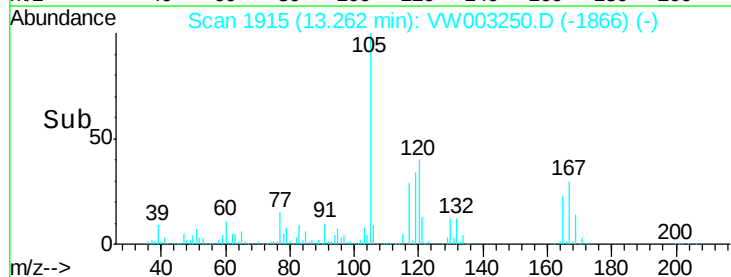
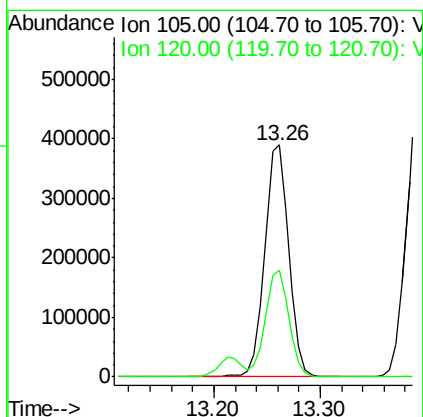
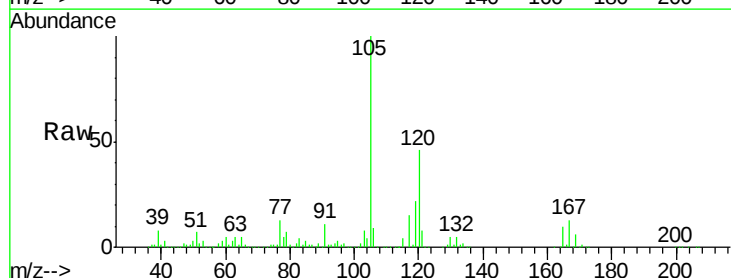
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

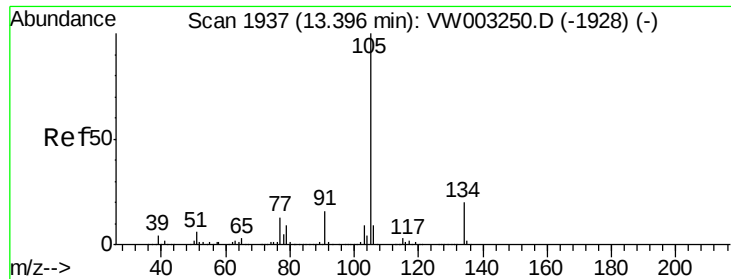
Tgt Ion:119 Resp: 512419
 Ion Ratio Lower Upper
 119 100
 91 67.8 33.9 101.7
 134 26.7 13.4 40.1



#84
 1,2,4-Trimethylbenzene
 Concen: 49.92 ug/l
 RT: 13.26 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW003250.D
 Acq: 13 Jun 2018 17:24

Tgt Ion:105 Resp: 616548
 Ion Ratio Lower Upper
 105 100
 120 45.0 22.5 67.5

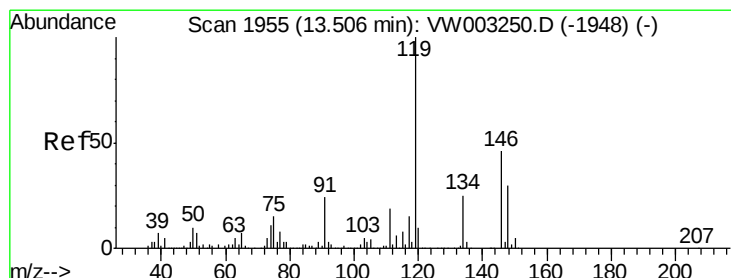
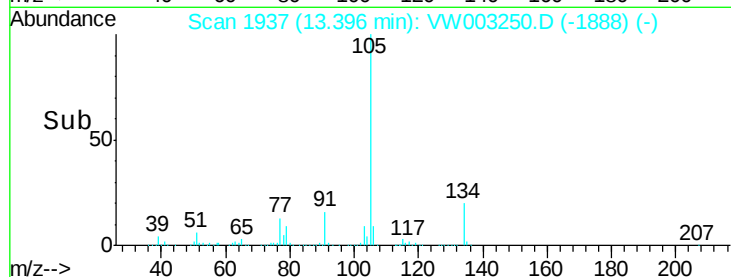
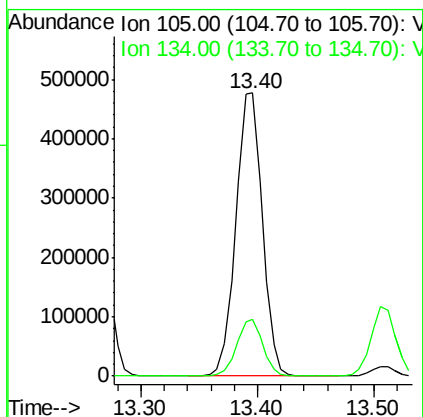
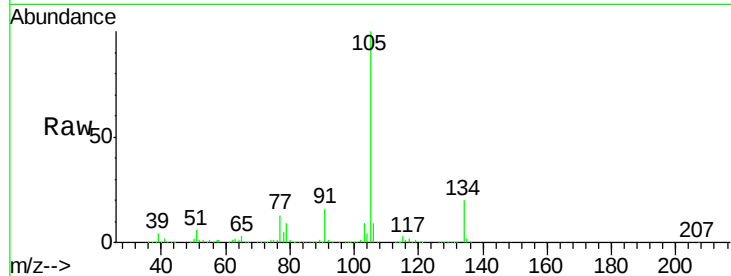




#85
 sec-Butylbenzene
 Concen: 50.52 ug/l
 RT: 13.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VW003250.D
 Acq: 13 Jun 2018 17:24

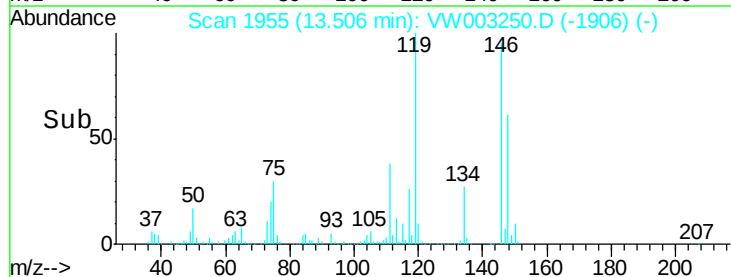
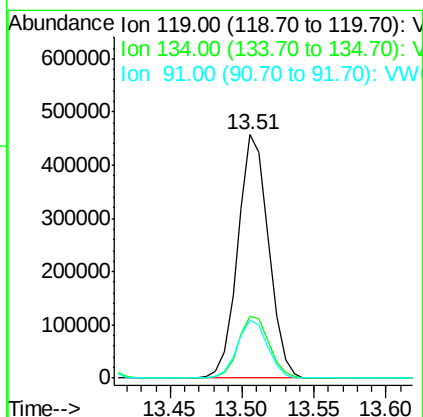
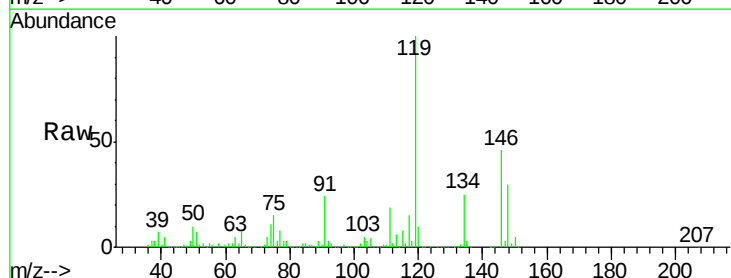
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

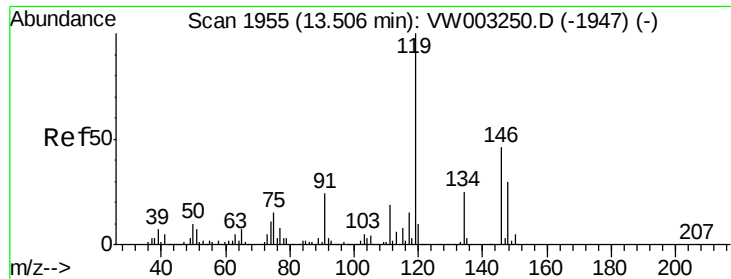
Tgt Ion:105 Resp: 755234
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.8 29.5



#86
 p-Isopropyltoluene
 Concen: 50.45 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003250.D
 Acq: 13 Jun 2018 17:24

Tgt Ion:119 Resp: 674372
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.9 38.7
 91 23.5 11.8 35.3

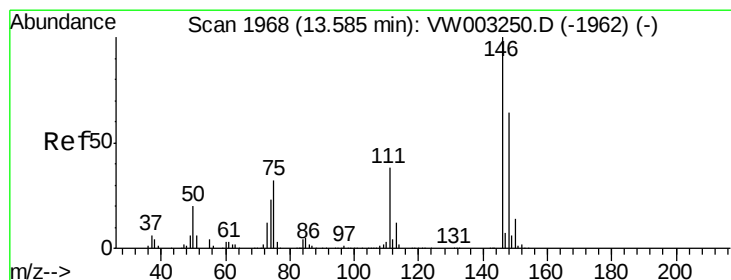
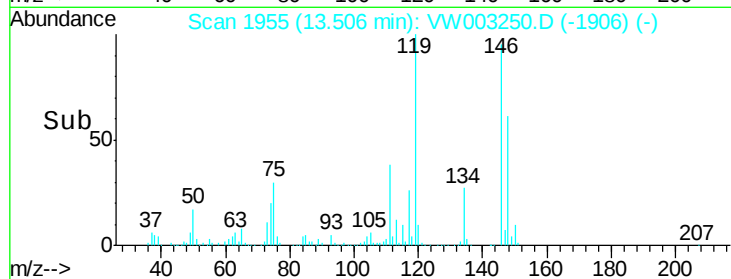
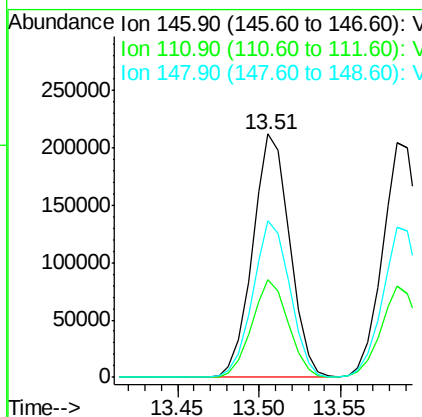
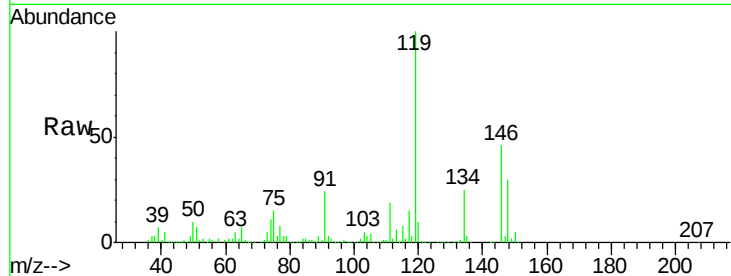




#87
 1,3-Dichlorobenzene
 Concen: 49.00 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003250.D
 Acq: 13 Jun 2018 17:24

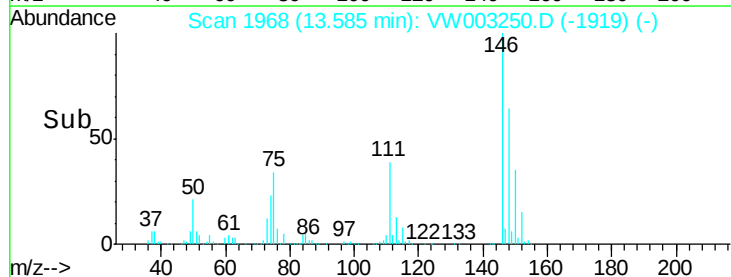
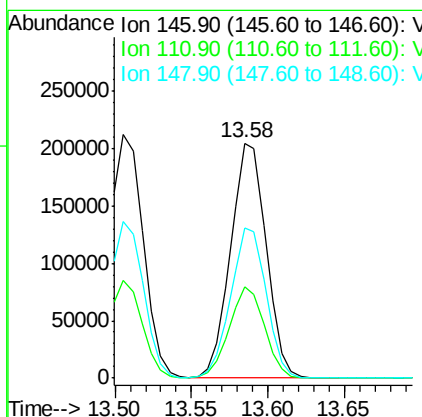
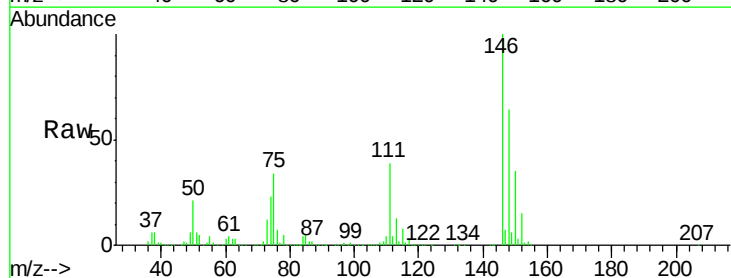
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

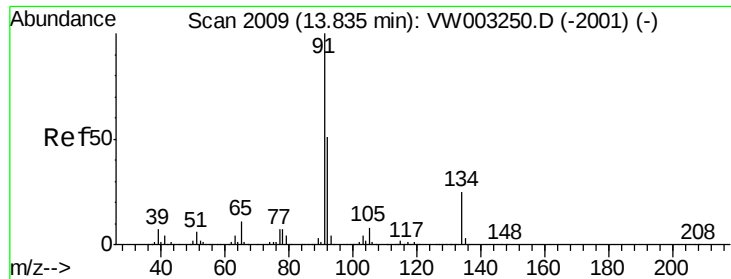
Tgt Ion:146 Resp: 333470
 Ion Ratio Lower Upper
 146 100
 111 39.6 19.8 59.4
 148 64.3 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 48.65 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003250.D
 Acq: 13 Jun 2018 17:24

Tgt Ion:146 Resp: 330690
 Ion Ratio Lower Upper
 146 100
 111 38.4 19.2 57.6
 148 63.6 31.8 95.4





#89

n-Butylbenzene

Concen: 51.71 ug/l

RT: 13.83 min Scan# 2009

Delta R.T. 0.00 min

Lab File: VW003250.D

Acq: 13 Jun 2018 17:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

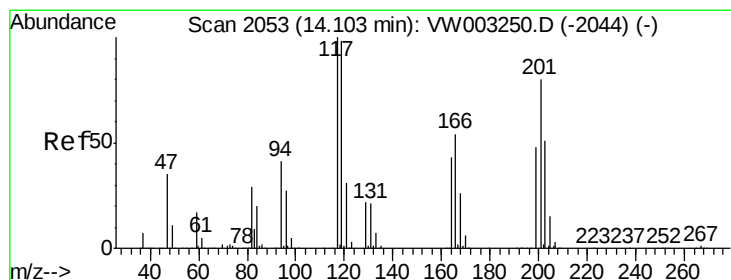
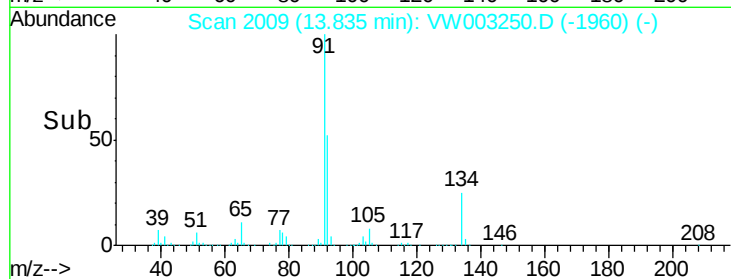
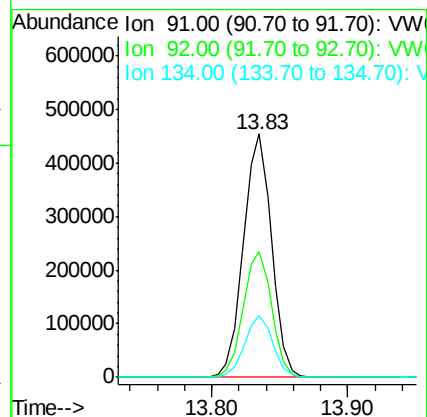
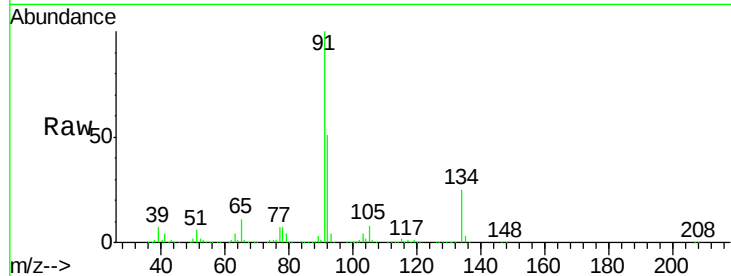
Tgt Ion: 91 Resp: 654058

Ion Ratio Lower Upper

91 100

92 52.0 26.0 78.0

134 25.3 12.7 38.0



#90

Hexachloroethane

Concen: 50.76 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VW003250.D

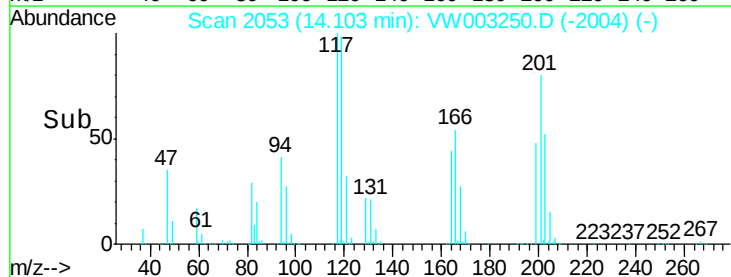
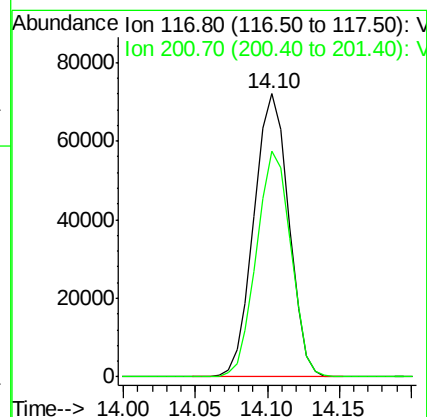
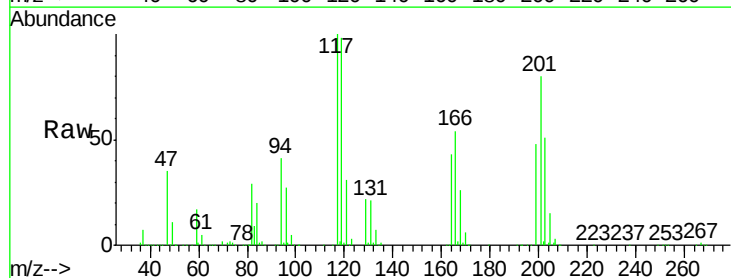
Acq: 13 Jun 2018 17:24

Tgt Ion: 117 Resp: 120499

Ion Ratio Lower Upper

117 100

201 79.0 39.5 118.5

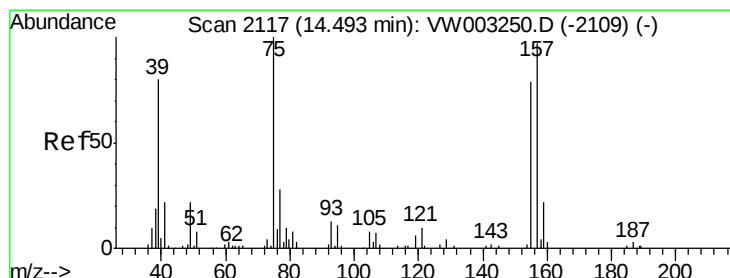
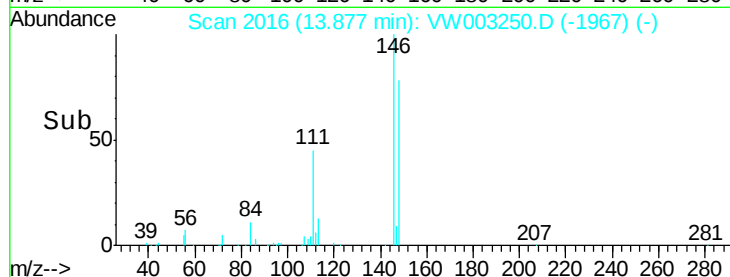
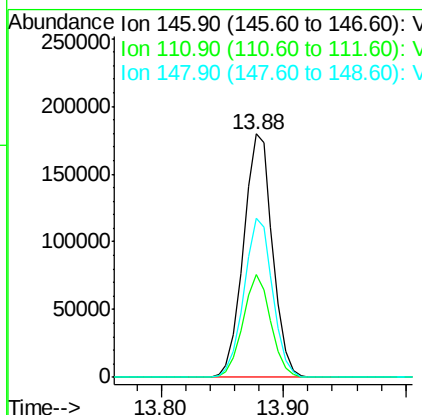
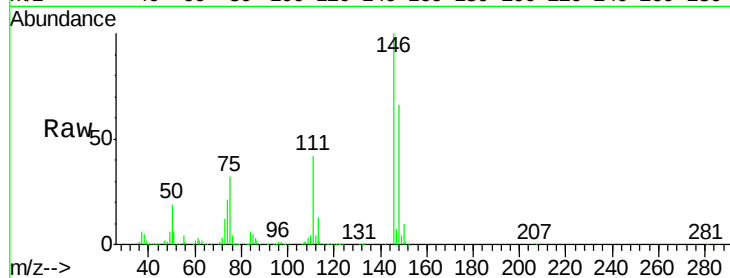




#91
 1,2-Dichlorobenzene
 Concen: 48.52 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW003250.D
 Acq: 13 Jun 2018 17:24

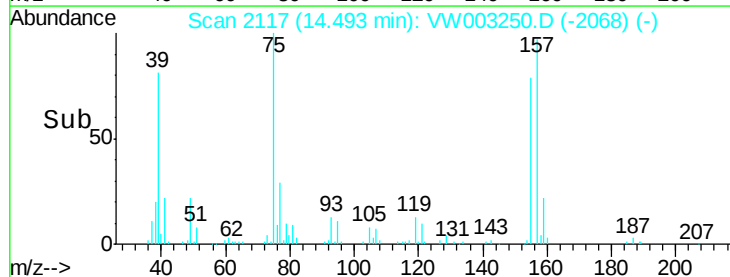
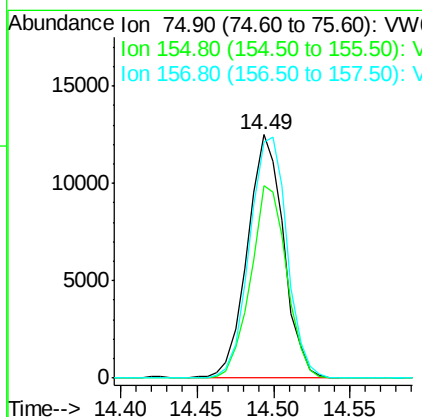
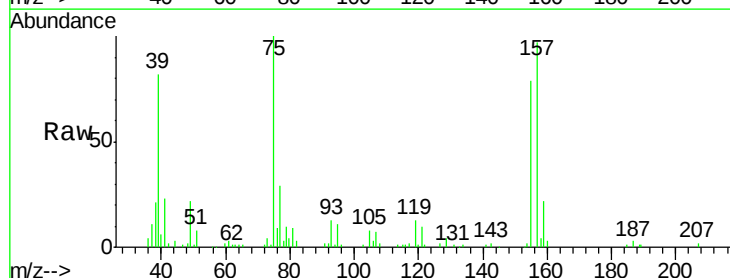
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

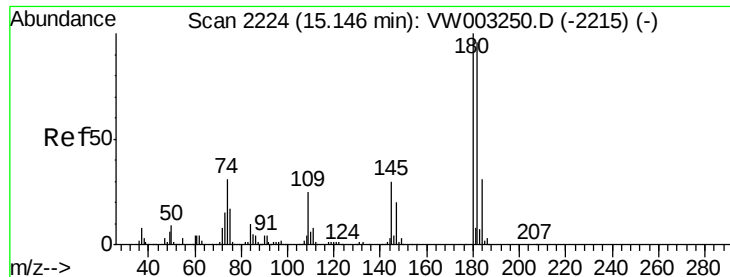
Tgt Ion: 146 Resp: 294031
 Ion Ratio Lower Upper
 146 100
 111 40.7 20.3 61.0
 148 64.6 32.3 96.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.89 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW003250.D
 Acq: 13 Jun 2018 17:24

Tgt Ion: 75 Resp: 20509
 Ion Ratio Lower Upper
 75 100
 155 78.8 39.4 118.2
 157 103.0 51.5 154.5

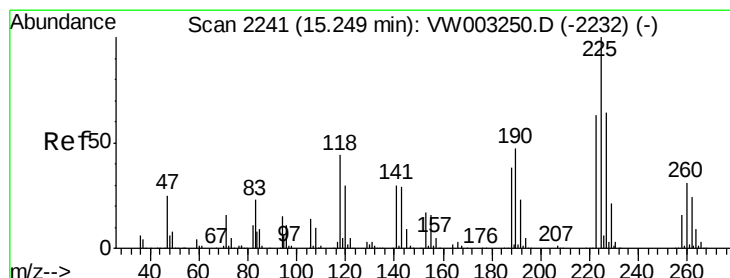
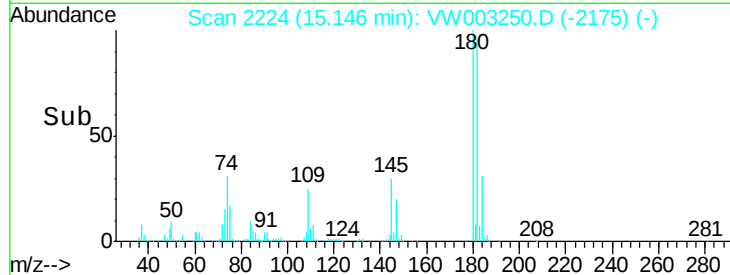
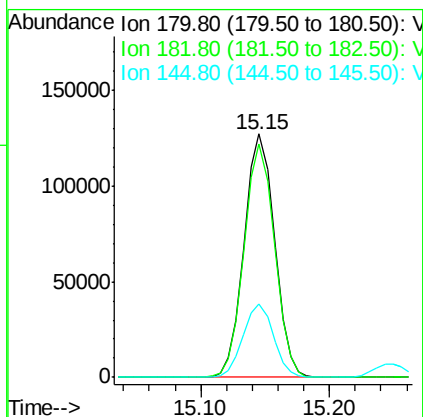
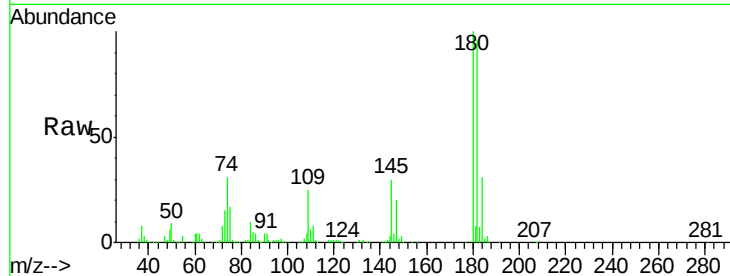




#93
 1,2,4-Trichlorobenzene
 Concen: 48.22 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW003250.D
 Acq: 13 Jun 2018 17:24

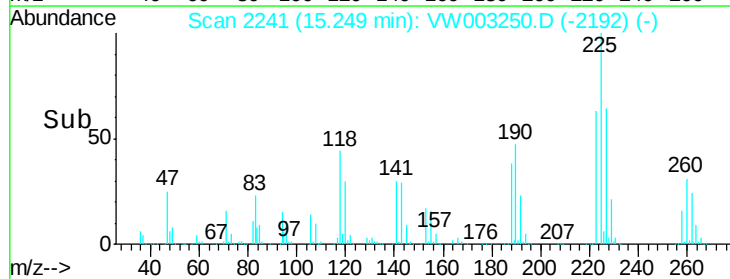
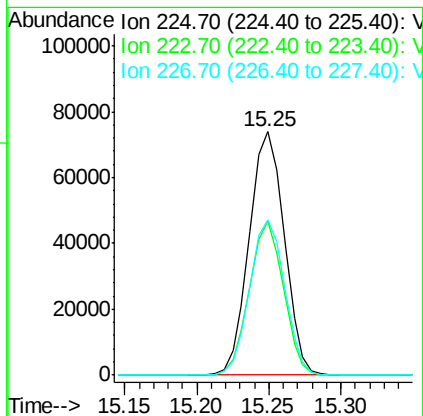
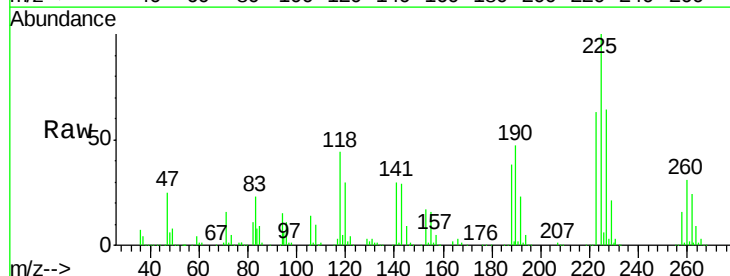
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICCC050

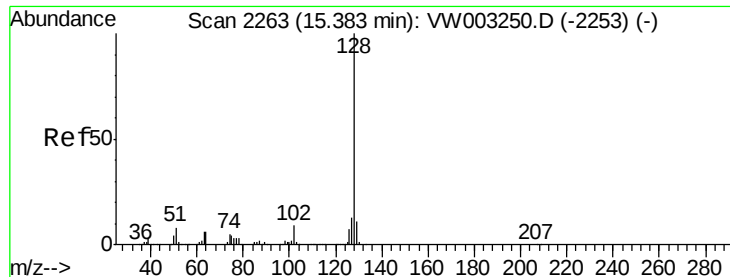
Tgt Ion:180 Resp: 208019
 Ion Ratio Lower Upper
 180 100
 182 95.7 47.9 143.6
 145 30.3 15.2 45.5



#94
 Hexachlorobutadiene
 Concen: 49.36 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. 0.00 min
 Lab File: VW003250.D
 Acq: 13 Jun 2018 17:24

Tgt Ion:225 Resp: 124778
 Ion Ratio Lower Upper
 225 100
 223 61.3 30.6 92.0
 227 63.4 31.7 95.1





#95

Naphthalene

Concen: 48.40 ug/l

RT: 15.38 min Scan# 2263

Delta R.T. 0.00 min

Lab File: VW003250.D

Acq: 13 Jun 2018 17:24

Instrument :

MSVOA_W

ClientSampleId :

VSTDICCC050

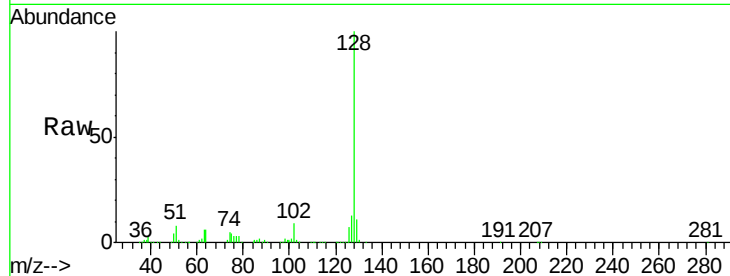
Tgt Ion:128 Resp: 369281

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

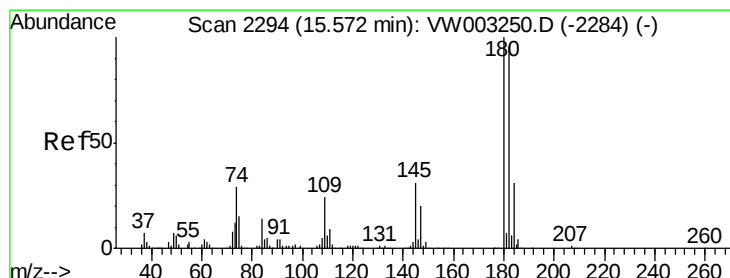
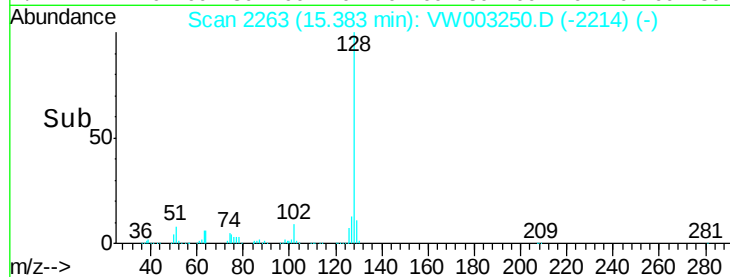
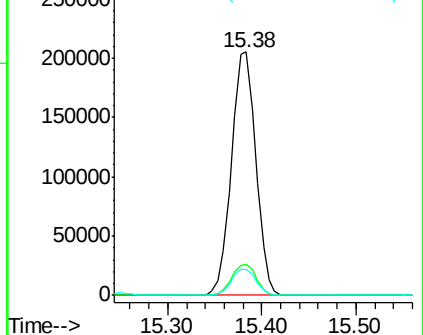
129 11.1 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 47.91 ug/l

RT: 15.57 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VW003250.D

Acq: 13 Jun 2018 17:24

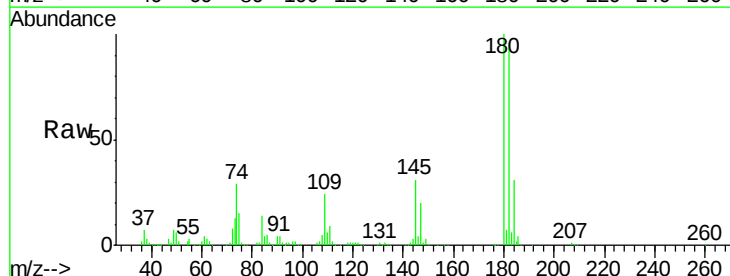
Tgt Ion:180 Resp: 181936

Ion Ratio Lower Upper

180 100

182 95.7 47.9 143.6

145 31.6 15.8 47.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

