

Data File : VW003346.D
Acq On : 20 Jun 2018 10:54
Operator : SY/AP
Sample : VSTD05089
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD05089

Quant Time: Jun 20 11:36:48 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
Quant Title : VOC Analysis
QLast Update : Wed Jun 20 11:34:29 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	418469	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	390654	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	205424	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	284152	52.95	ug/L	0.00
7) Chloroethane-d5	2.89	69	240840	46.06	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	555617	51.75	ug/L	0.00
20) 2-Butanone-d5	7.09	46	168862	91.58	ug/L	0.00
24) Chloroform-d	7.65	84	545714	49.63	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	324611	49.39	ug/L	0.00
29) Benzene-d6	8.28	84	1060613	51.30	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	330597	50.54	ug/L	0.00
37) Toluene-d8	10.33	98	1038611	51.72	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.59	79	161160	51.99	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	138405	95.27	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.70	84	303094	47.79	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.87	152	380523	47.05	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	121698	69.893 ug/L	# 84
3) Chloromethane	2.21	50	230604	52.813 ug/L	98
5) Vinyl chloride	2.36	62	344607	50.857 ug/L	100
6) Bromomethane	2.78	94	202774	46.828 ug/L	98
8) Chloroethane	2.92	64	211374	46.638 ug/L	99
9) Trichlorofluoromethane	3.25	101	191641	43.678 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	265306	50.761 ug/L	99
12) 1,1-Dichloroethene	4.03	96	251372	50.743 ug/L	96
13) Acetone	4.15	43	184834	98.280 ug/L	98
14) Carbon disulfide	4.37	76	834509	51.950 ug/L	100
15) Methyl Acetate	4.68	43	144636	49.373 ug/L	99
16) Methylene chloride	4.91	84	261202	40.916 ug/L	97
17) Methyl tert-butyl Ether	5.43	73	489579	52.019 ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	268143	51.467 ug/L	97
19) 1,1-Dichloroethane	6.21	63	494138	52.098 ug/L	98
21) 2-Butanone	7.18	43	217882	102.029 ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	293592	53.253 ug/L	96
23) Bromochloromethane	7.51	128	131673	50.312 ug/L	98
25) Chloroform	7.68	83	510954	50.996 ug/L	99
27) 1,2-Dichloroethane	8.40	62	376079	52.262 ug/L	100
30) Cyclohexane	7.96	56	477734	55.276 ug/L	100
31) 1,1,1-Trichloroethane	7.88	97	419562	50.967 ug/L	99
32) Carbon tetrachloride	8.07	117	410872	51.959 ug/L	99
34) Benzene	8.33	78	1117607	52.198 ug/L	100
35) Trichloroethene	9.09	95	297235	51.972 ug/L	99
36) Methylcyclohexane	9.34	83	525601	53.463 ug/L	99
40) 1,2-Dichloropropane	9.37	63	290148	52.649 ug/L	99
41) Bromodichloromethane	9.65	83	381276	53.440 ug/L	98
42) cis-1,3-Dichloropropene	10.08	75	469635	55.214 ug/L	99
43) 4-Methyl-2-pentanone	10.22	43	418722	100.186 ug/L	99

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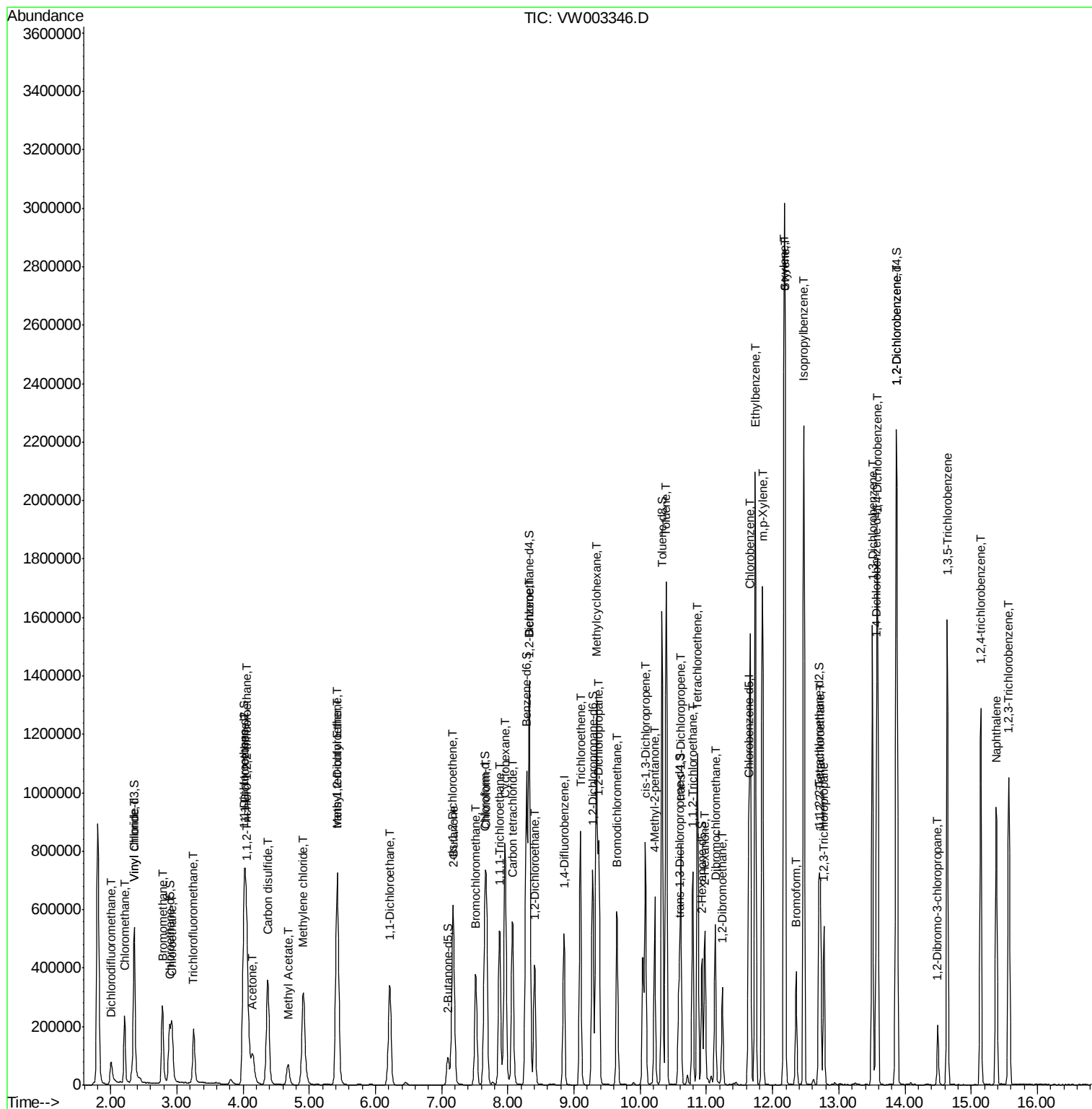
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	1240636	53.250	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	419979	54.876	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	216868	51.089	ug/L	98
47) Tetrachloroethene	10.87	164	245394	51.160	ug/L	99
49) 2-Hexanone	10.98	43	335884	111.289	ug/L	100
50) Dibromochloromethane	11.13	129	274490	53.097	ug/L	98
51) 1,2-Dibromoethane	11.24	107	219511	52.204	ug/L	98
52) Chlorobenzene	11.66	112	780551	51.301	ug/L	99
53) Ethylbenzene	11.74	91	1421658	53.824	ug/L	99
54) m,p-Xylene	11.85	106	535497	54.818	ug/L	96
55) o-xylene	12.17	106	517390	55.692	ug/L	97
56) Styrene	12.19	104	901781	55.710	ug/L	99
57) Isopropylbenzene	12.47	105	1421197	54.808	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	288834	51.392	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	215961	50.454	ug/L	100
62) Bromoform	12.35	173	174491	52.106	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	624520	51.112	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	646197	50.595	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	591791	51.232	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	49297	49.789	ug/L	88
67) 1,3,5-Trichlorobenzene	14.64	180	480355	50.201	ug/L	100
68) 1,2,4-trichlorobenzene	15.15	180	399986	51.097	ug/L	100
69) Naphthalene	15.38	128	792674	53.300	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	364821	50.168	ug/L	98

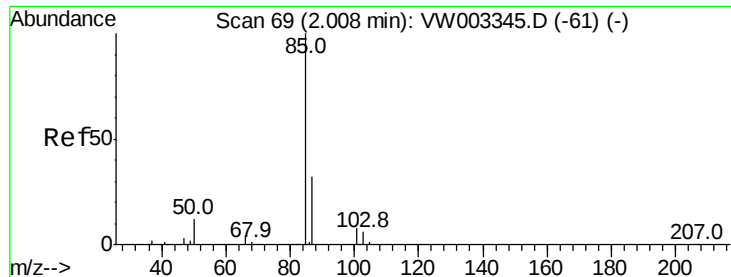
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 69.893 ug/L

RT: 2.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VW003346.D

Acq: 20 Jun 2018 10:54

Instrument :

MSVOA_W

ClientSampleId :

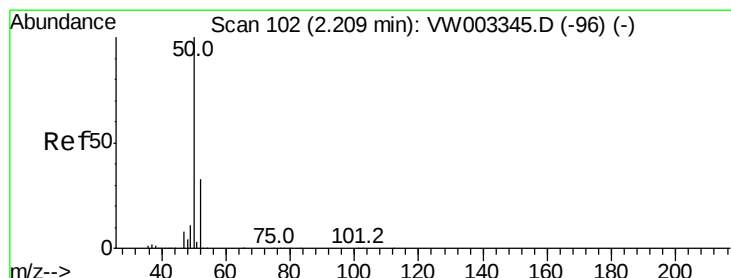
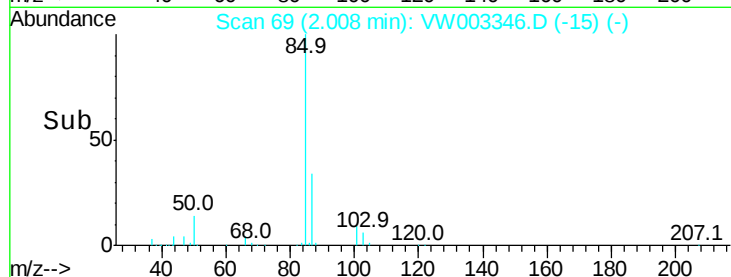
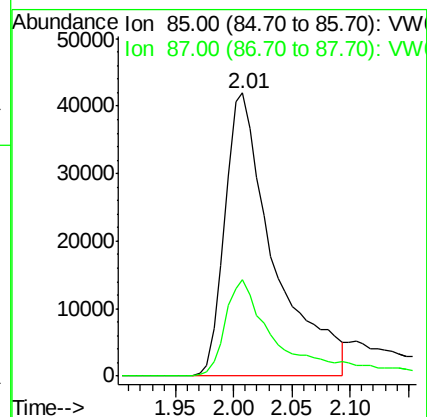
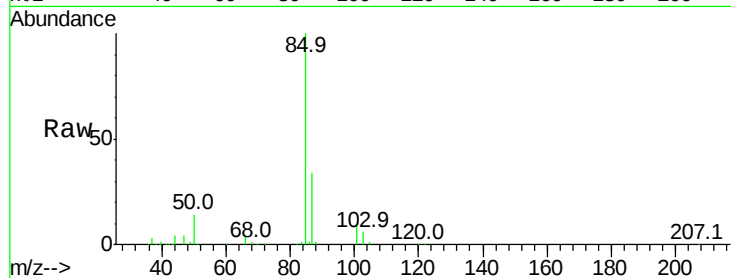
VSTD05089

Tgt Ion: 85 Resp: 121698

Ion Ratio Lower Upper

85 100

87 32.5 17.1 31.7#



#3

Chloromethane

Concen: 52.813 ug/L

RT: 2.21 min Scan# 102

Delta R.T. -0.00 min

Lab File: VW003346.D

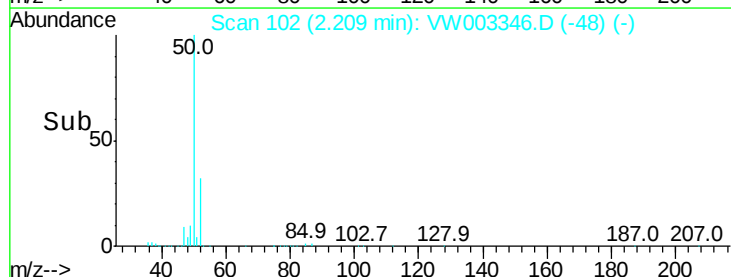
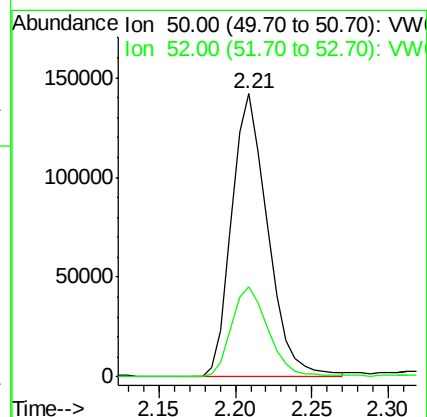
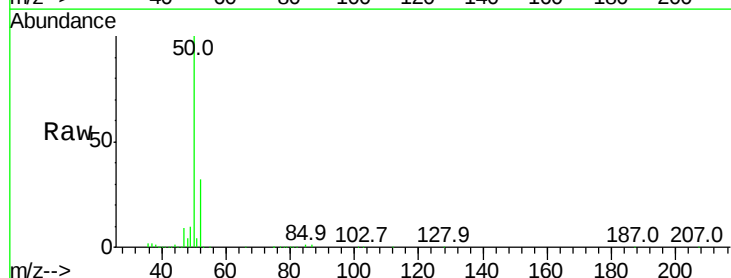
Acq: 20 Jun 2018 10:54

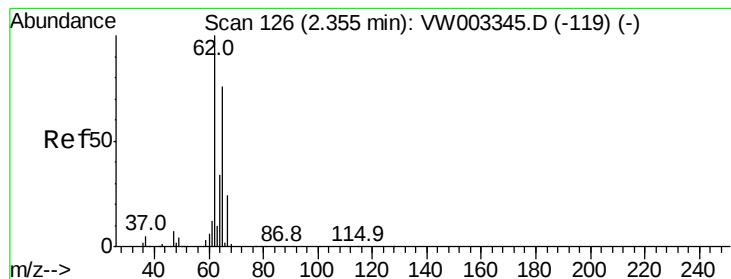
Tgt Ion: 50 Resp: 230604

Ion Ratio Lower Upper

50 100

52 32.0 23.3 43.3





#5

Vinyl chloride

Concen: 50.857 ug/L

RT: 2.36 min Scan# 127

Delta R.T. 0.01 min

Lab File: VW003346.D

Acq: 20 Jun 2018 10:54

Instrument :

MSVOA_W

ClientSampleId :

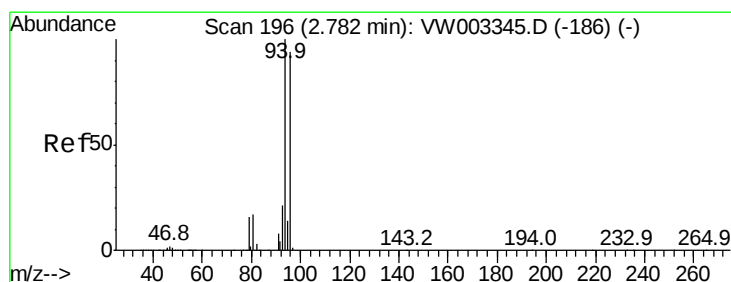
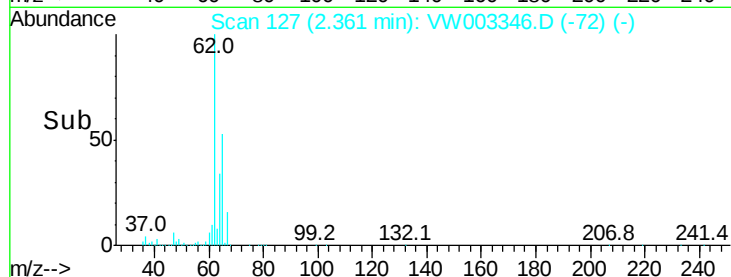
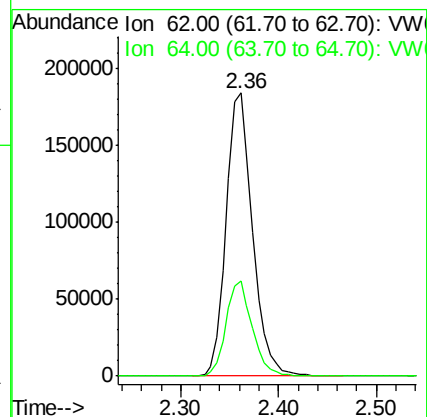
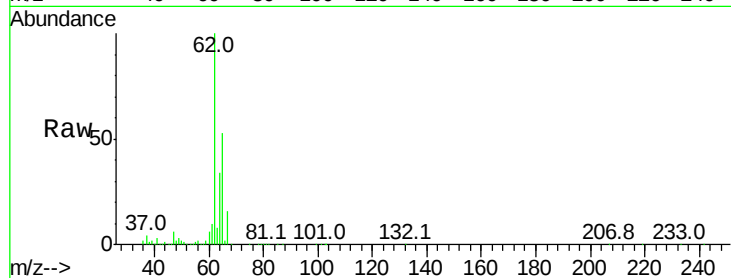
VSTD05089

Tgt Ion: 62 Resp: 344607

Ion Ratio Lower Upper

62 100

64 33.5 23.5 43.7



#6

Bromomethane

Concen: 46.828 ug/L

RT: 2.78 min Scan# 196

Delta R.T. -0.00 min

Lab File: VW003346.D

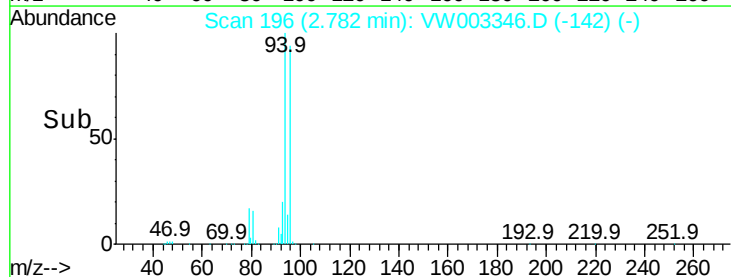
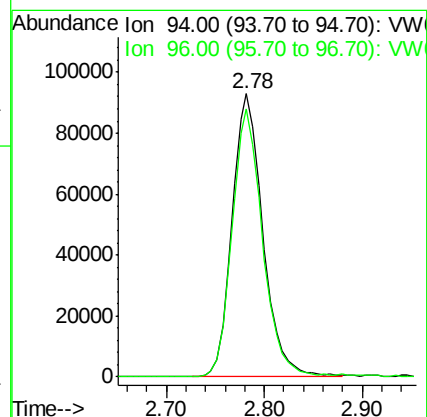
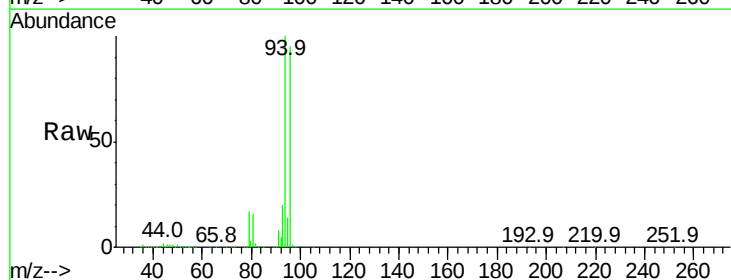
Acq: 20 Jun 2018 10:54

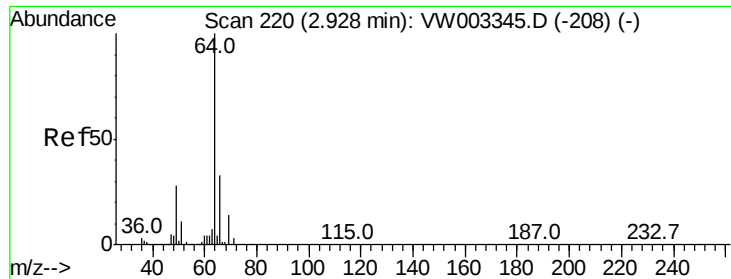
Tgt Ion: 94 Resp: 202774

Ion Ratio Lower Upper

94 100

96 93.2 9.5 180.3





#8

Chloroethane

Concen: 46.638 ug/L

RT: 2.92 min Scan# 219

Delta R.T. -0.01 min

Lab File: VW003346.D

Acq: 20 Jun 2018 10:54

Instrument :

MSVOA_W

ClientSampleId :

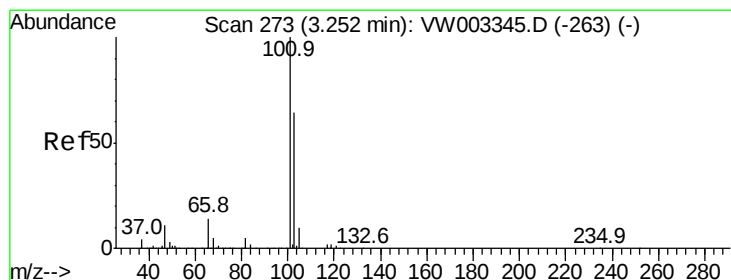
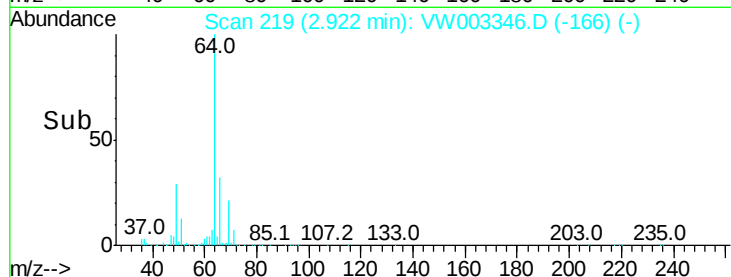
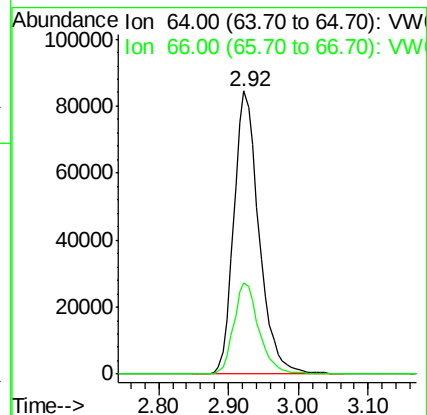
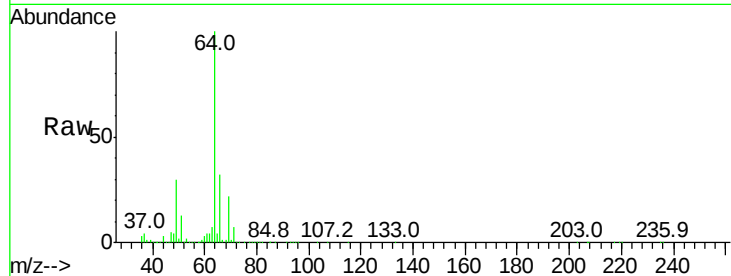
VSTD05089

Tgt Ion: 64 Resp: 211374

Ion Ratio Lower Upper

64 100

66 32.3 22.9 42.5



#9

Trichlorofluoromethane

Concen: 43.678 ug/L

RT: 3.25 min Scan# 273

Delta R.T. -0.00 min

Lab File: VW003346.D

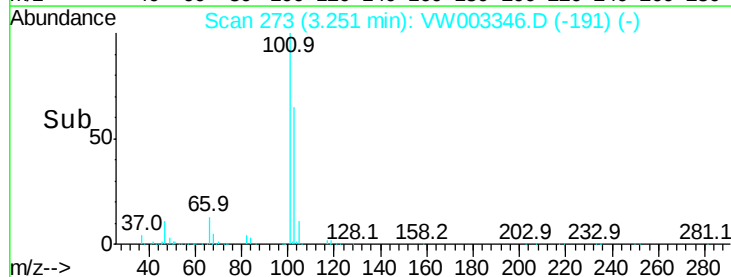
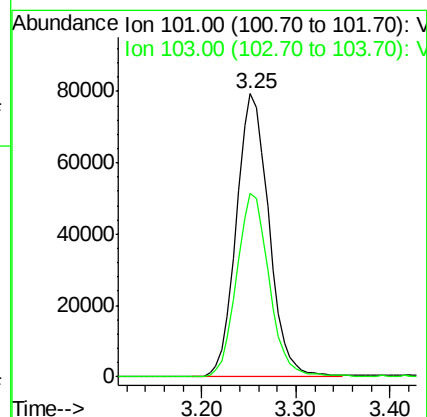
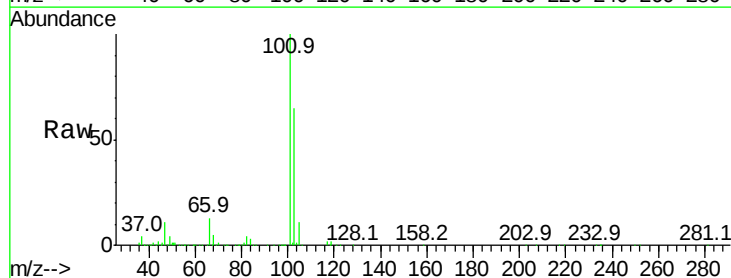
Acq: 20 Jun 2018 10:54

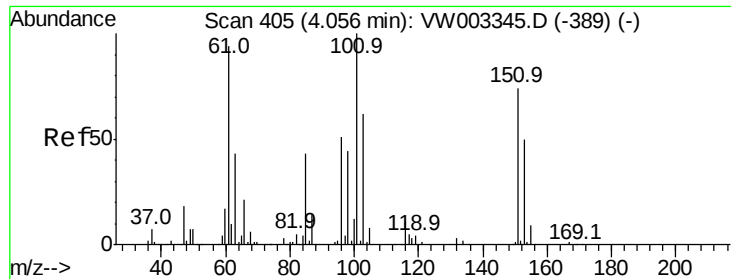
Tgt Ion: 101 Resp: 191641

Ion Ratio Lower Upper

101 100

103 64.1 45.1 83.7





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 50.761 ug/L

RT: 4.06 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW003346.D

Acq: 20 Jun 2018 10:54

Instrument :

MSVOA_W

ClientSampleId :

VSTD05089

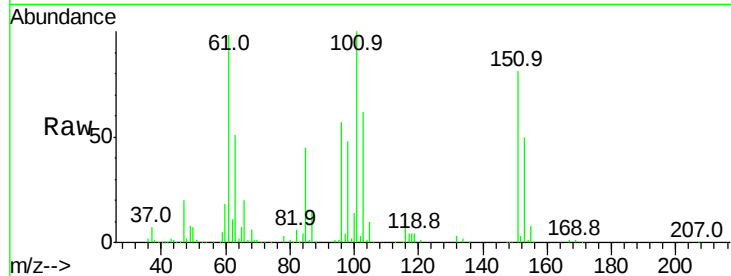
Tgt Ion:101 Resp: 265306

Ion Ratio Lower Upper

101 100

85 43.9 35.4 53.0

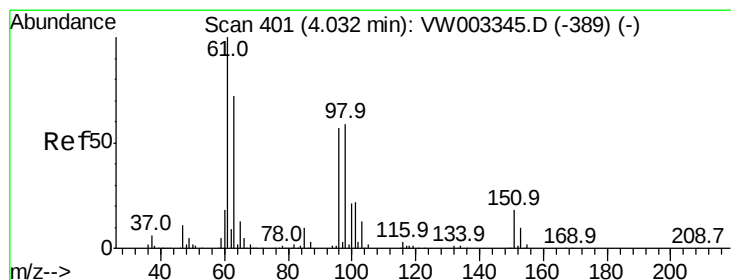
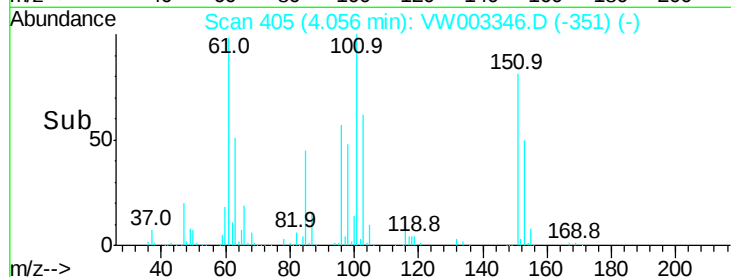
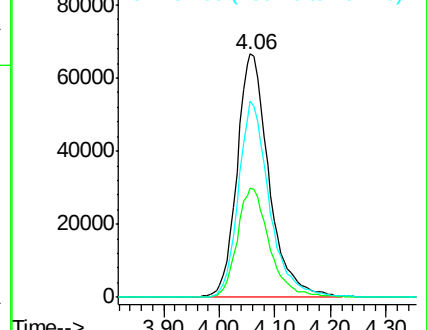
151 77.9 61.4 92.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 50.743 ug/L

RT: 4.03 min Scan# 401

Delta R.T. -0.00 min

Lab File: VW003346.D

Acq: 20 Jun 2018 10:54

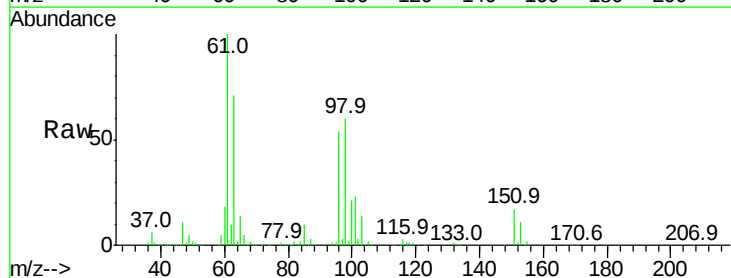
Tgt Ion: 96 Resp: 251372

Ion Ratio Lower Upper

96 100

61 184.8 124.1 230.5

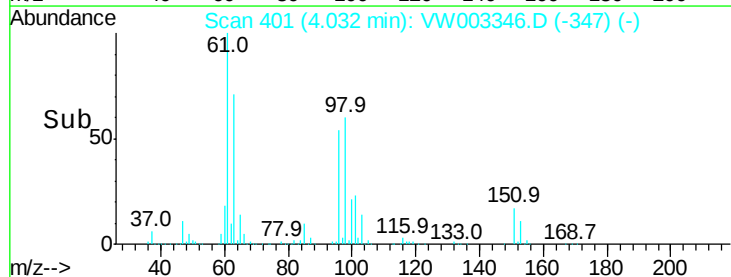
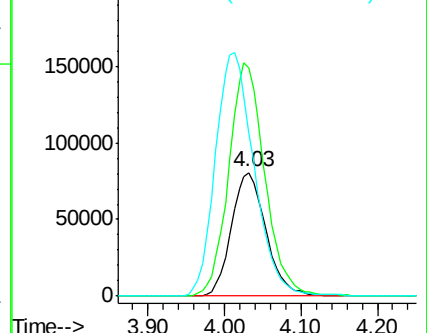
63 131.2 93.1 172.9

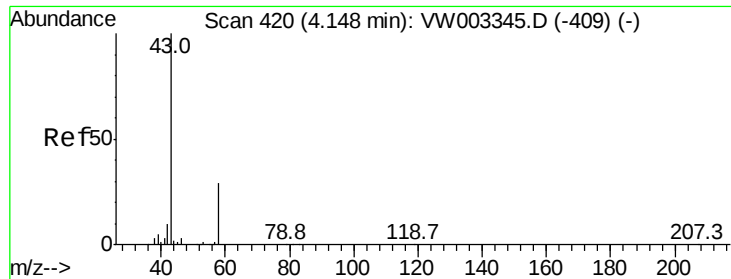


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 98.280 ug/L

RT: 4.15 min Scan# 420

Delta R.T. -0.00 min

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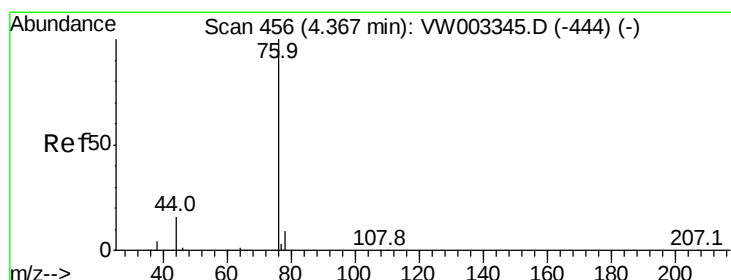
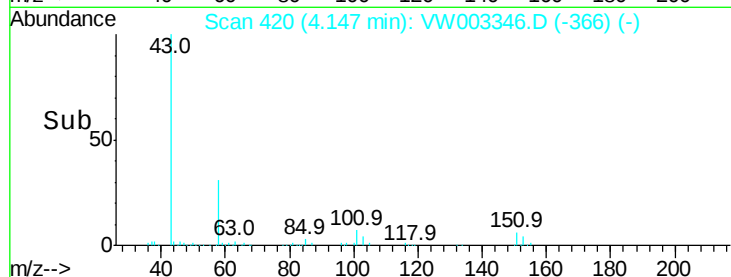
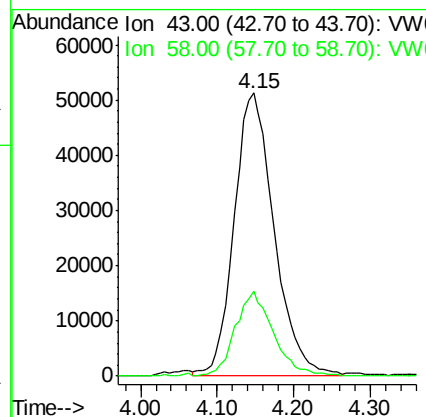
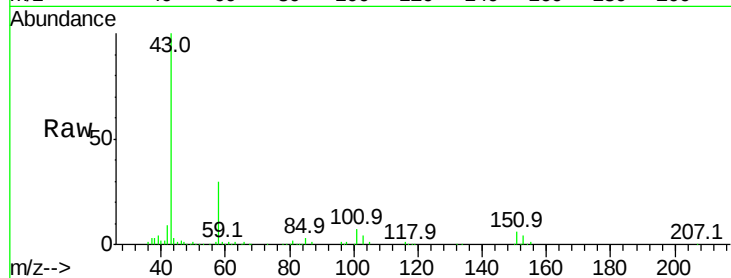
VSTD05089

Tgt Ion: 43 Resp: 184834

Ion Ratio Lower Upper

43 100

58 28.2 0.0 58.6



#14

Carbon disulfide

Concen: 51.950 ug/L

RT: 4.37 min Scan# 457

Delta R.T. 0.01 min

Lab File: VW003346.D

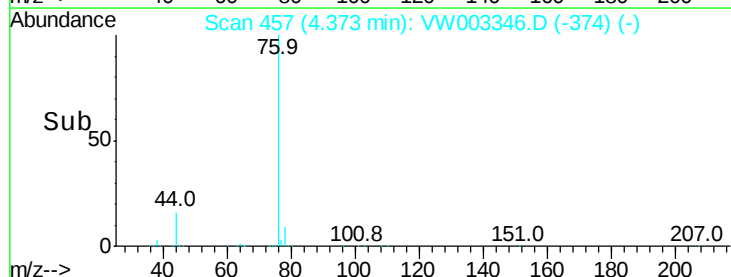
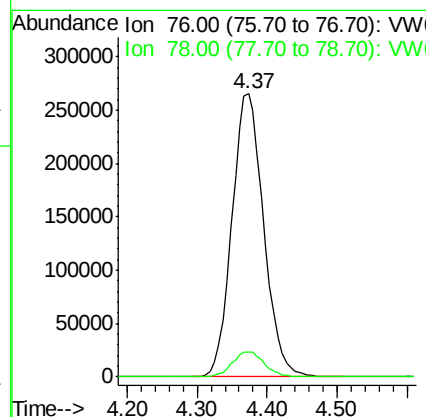
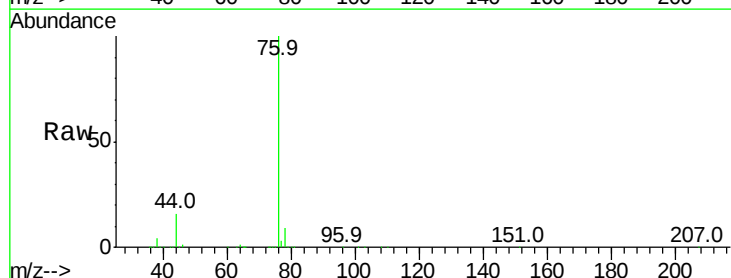
Acq: 20 Jun 2018 10:54

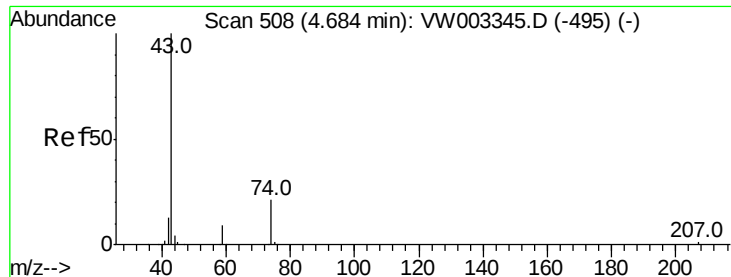
Tgt Ion: 76 Resp: 834509

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9





#15

Methyl Acetate

Concen: 49.373 ug/L

RT: 4.68 min Scan# 507

Delta R.T. -0.01 min

Lab File: VW003346.D

Acq: 20 Jun 2018 10:54

Instrument :

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ClientSampleId :

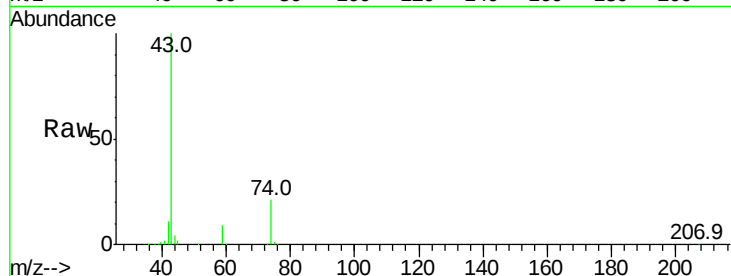
VSTD05089

Tgt Ion: 43 Resp: 144636

Ion Ratio Lower Upper

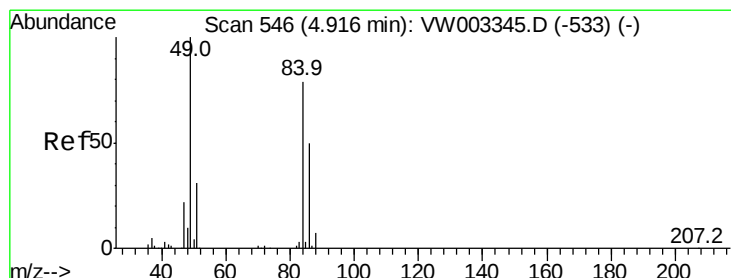
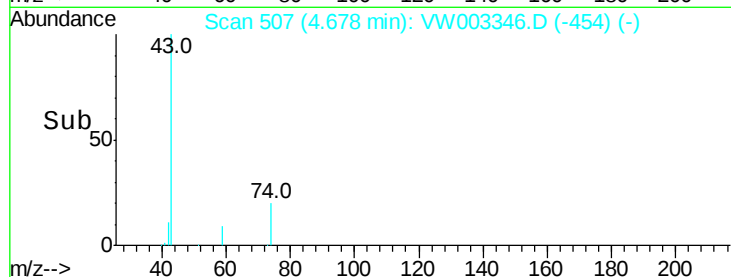
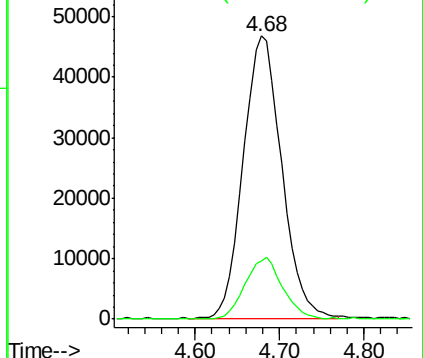
43 100

74 21.3 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 40.916 ug/L

RT: 4.91 min Scan# 545

Delta R.T. -0.01 min

Lab File: VW003346.D

Acq: 20 Jun 2018 10:54

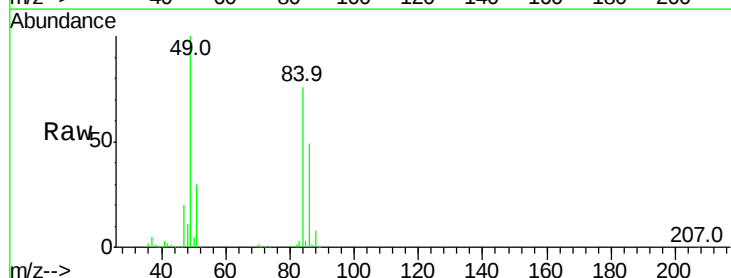
Tgt Ion: 84 Resp: 261202

Ion Ratio Lower Upper

84 100

49 131.2 88.7 164.7

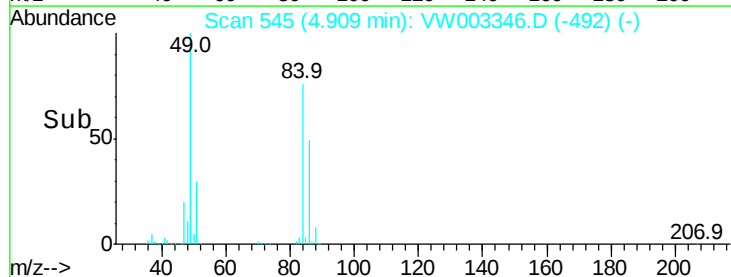
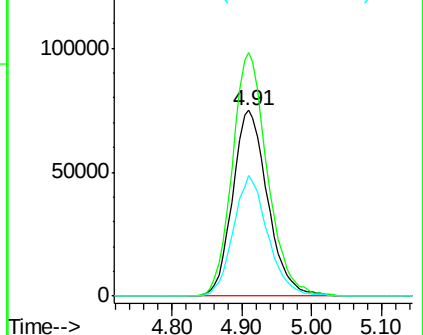
86 64.9 44.2 82.0

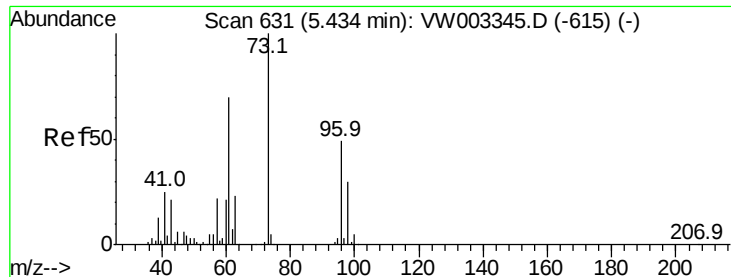


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

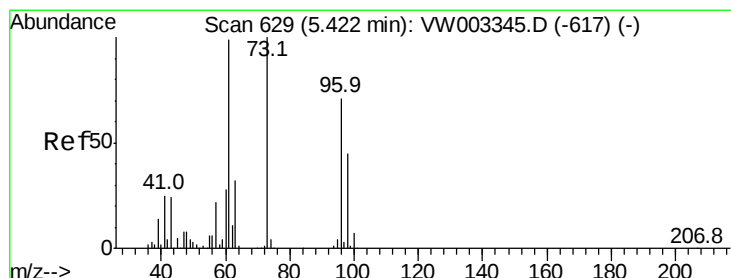
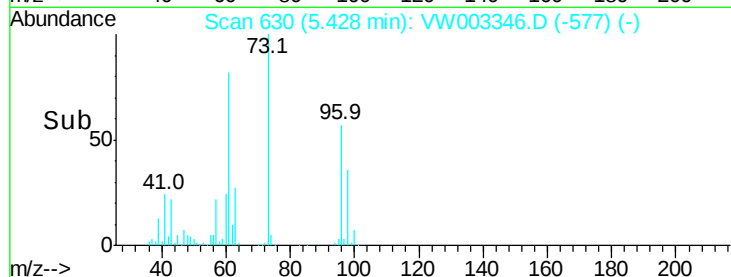
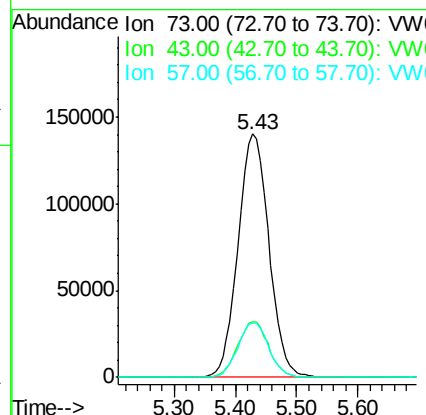
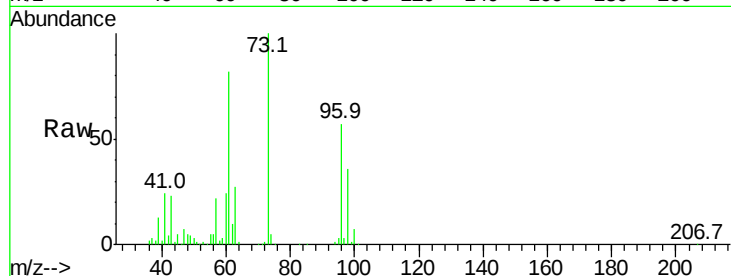




#17
Methyl tert-butyl Ether
Concen: 52.019 ug/L
RT: 5.43 min Scan# 630
Delta R.T. -0.01 min
Lab File: VW003346.D
Acq: 20 Jun 2018 10:54

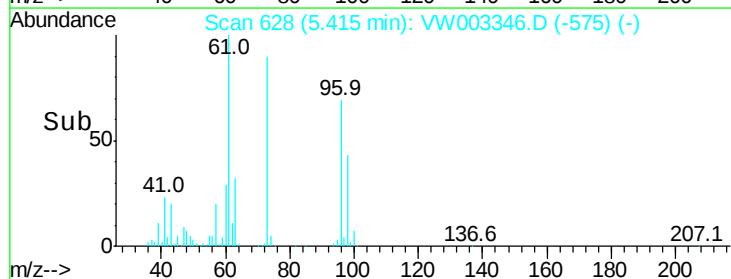
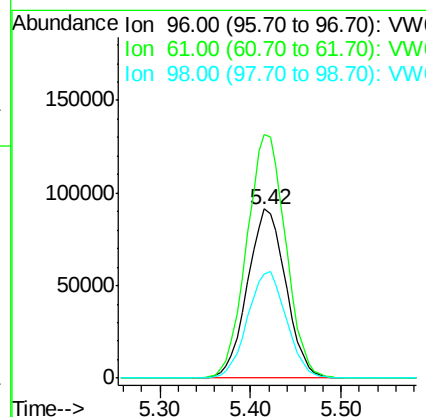
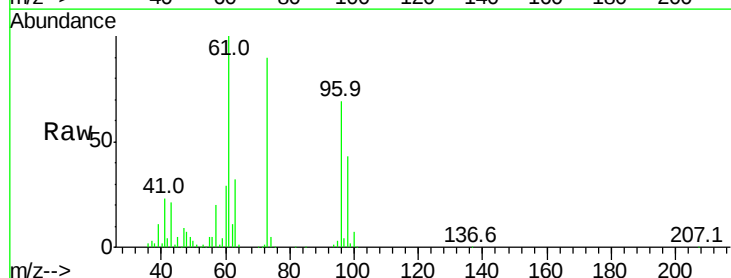
Instrument :
MSVOA_W
ClientSampleId :
VSTD05089

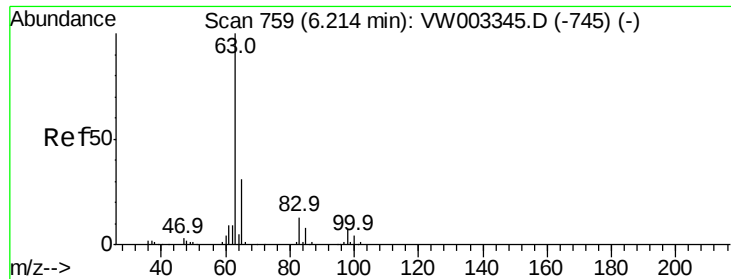
Tgt Ion: 73 Resp: 489579
Ion Ratio Lower Upper
73 100
43 23.0 18.6 27.8
57 22.5 18.1 27.1



#18
trans-1,2-Dichloroethene
Concen: 51.467 ug/L
RT: 5.42 min Scan# 628
Delta R.T. -0.01 min
Lab File: VW003346.D
Acq: 20 Jun 2018 10:54

Tgt Ion: 96 Resp: 268143
Ion Ratio Lower Upper
96 100
61 144.1 98.0 182.0
98 61.9 44.2 82.2

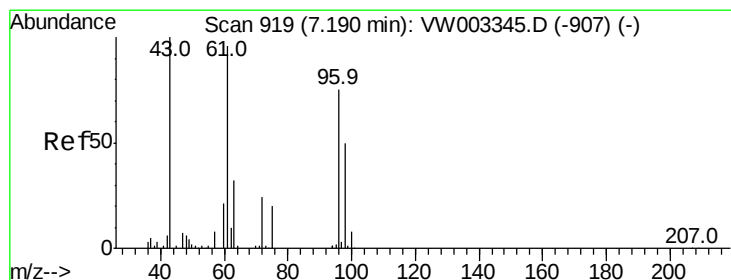
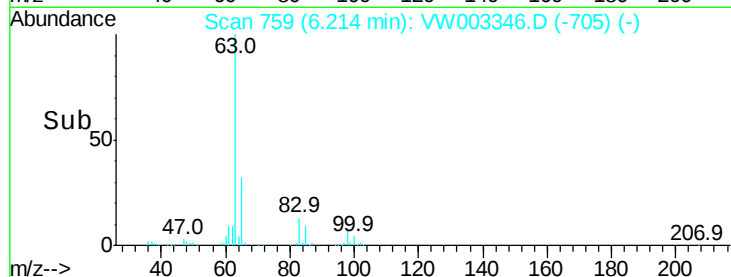
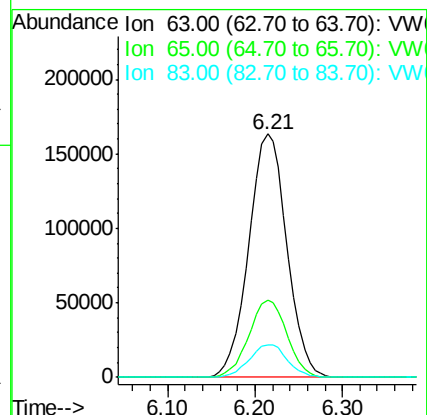
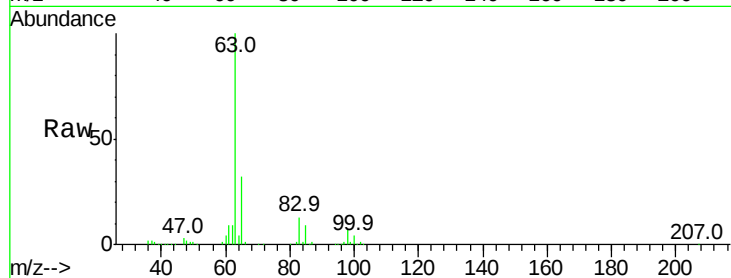




#19
 1,1-Dichloroethane
 Concen: 52.098 ug/L
 RT: 6.21 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: VW003346.D
 Acq: 20 Jun 2018 10:54

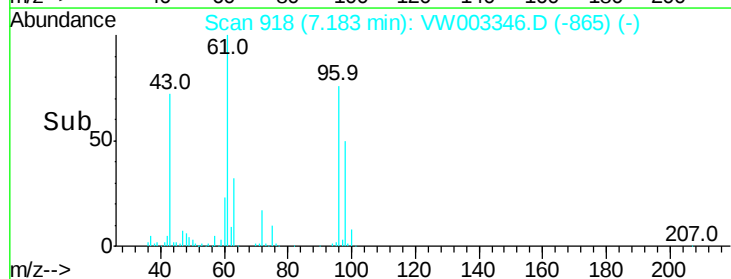
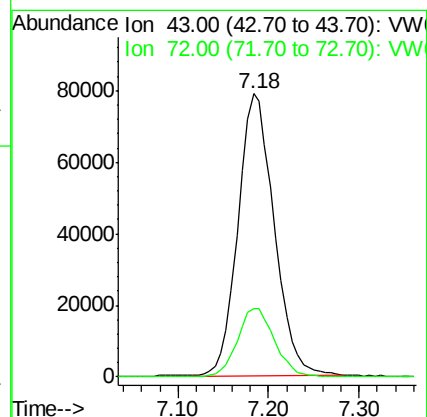
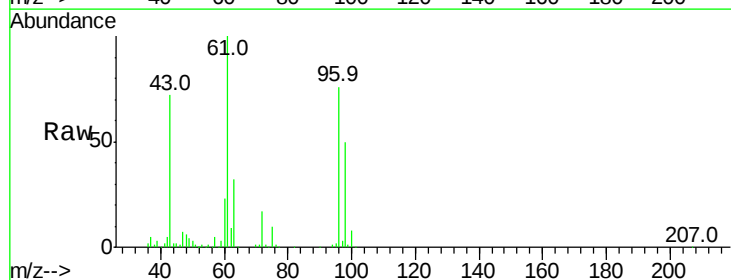
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05089

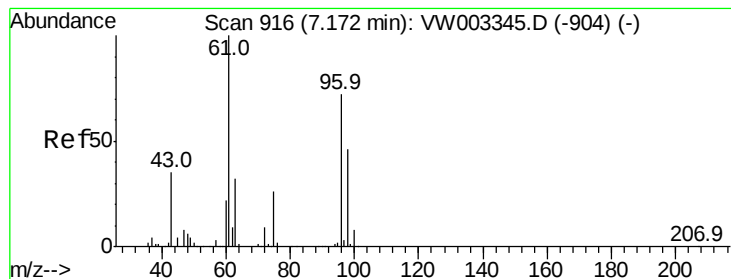
Tgt Ion: 63 Resp: 494138
 Ion Ratio Lower Upper
 63 100
 65 31.9 21.8 40.4
 83 13.5 9.0 16.6



#21
 2-Butanone
 Concen: 102.029 ug/L
 RT: 7.18 min Scan# 918
 Delta R.T. -0.01 min
 Lab File: VW003346.D
 Acq: 20 Jun 2018 10:54

Tgt Ion: 43 Resp: 217882
 Ion Ratio Lower Upper
 43 100
 72 25.1 12.5 37.5



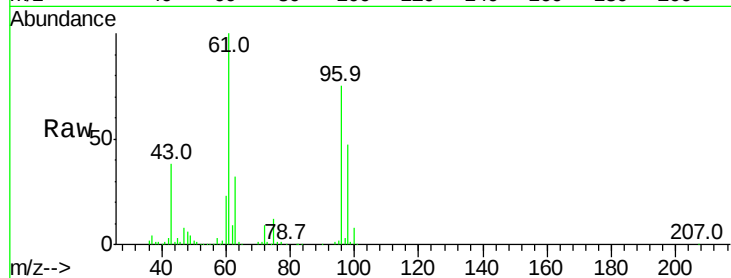


#22

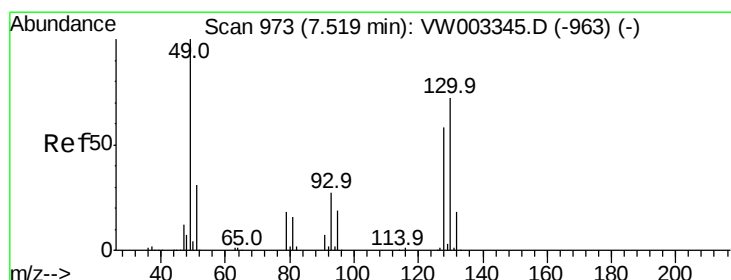
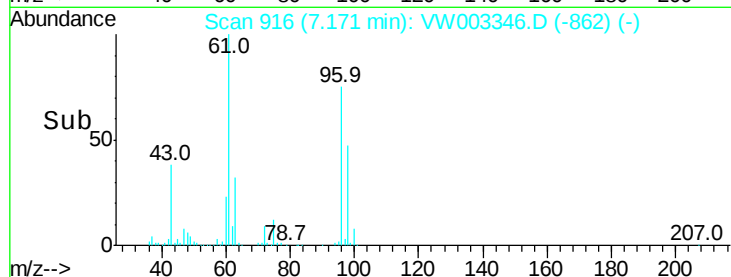
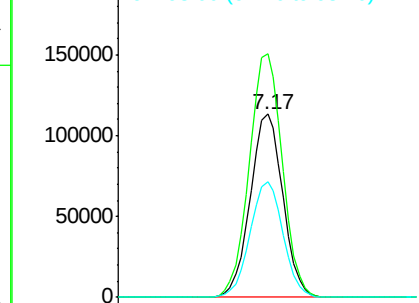
cis-1,2-Dichloroethene
Concen: 53.253 ug/L
RT: 7.17 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW003346.D
Acq: 20 Jun 2018 10:54

Instrument :
MSVOA_W
ClientSampleId :
VSTD05089

Tgt Ion: 96 Resp: 293592
Ion Ratio Lower Upper
96 100
61 133.1 97.7 181.5
98 63.1 45.0 83.6



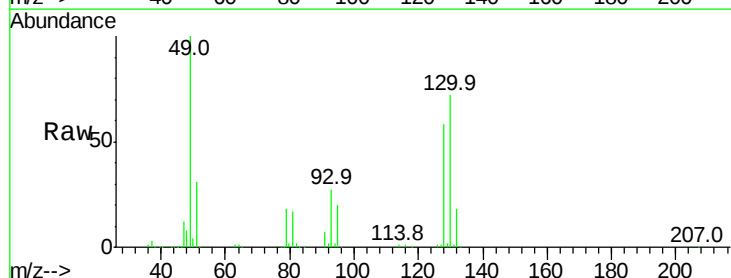
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



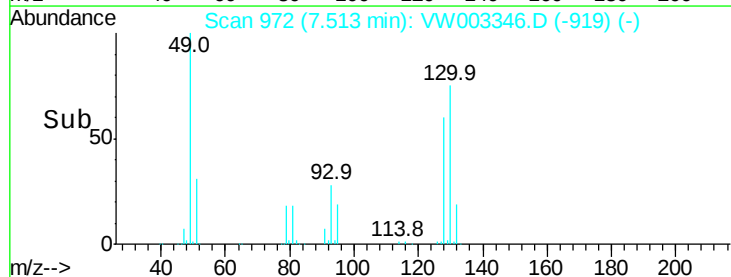
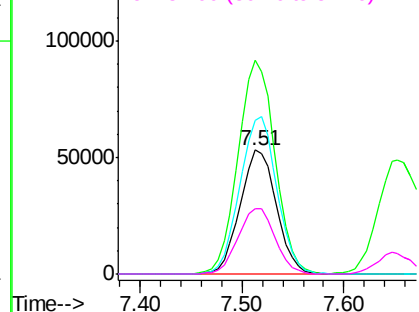
#23

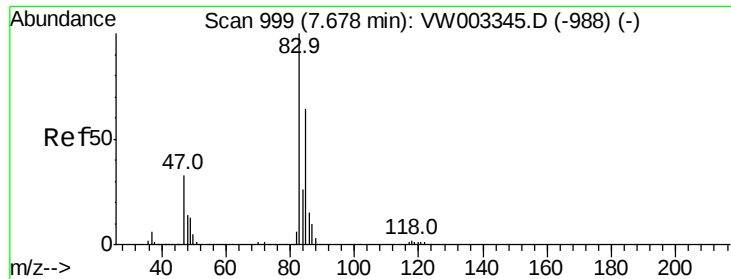
Bromochloromethane
Concen: 50.312 ug/L
RT: 7.51 min Scan# 972
Delta R.T. -0.01 min
Lab File: VW003346.D
Acq: 20 Jun 2018 10:54

Tgt Ion: 128 Resp: 131673
Ion Ratio Lower Upper
128 100
49 172.2 122.0 226.6
130 124.1 88.1 163.5
51 53.1 43.5 65.3



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VW
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VW





#25

Chloroform

Concen: 50.996 ug/L

RT: 7.68 min Scan# 999

Delta R.T. -0.00 min

Lab File: VW003346.D

Acq: 20 Jun 2018 10:54

Instrument :

MSVOA_W

ClientSampleId :

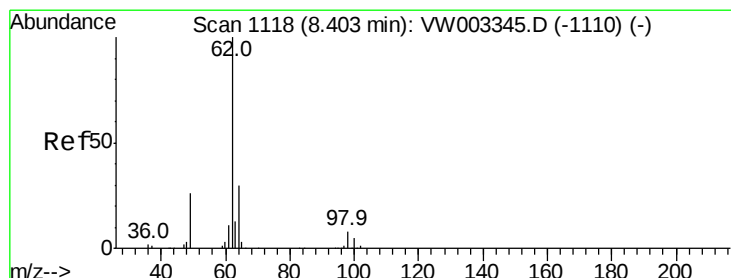
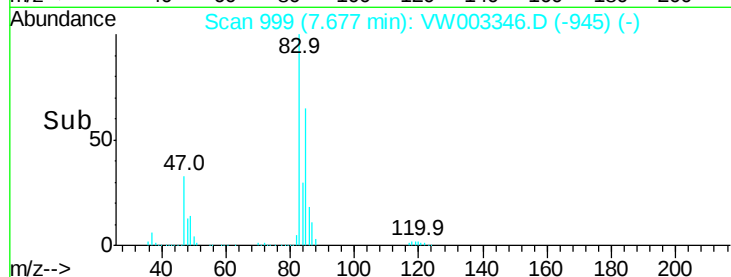
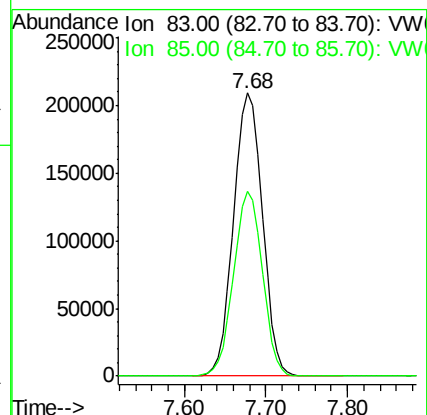
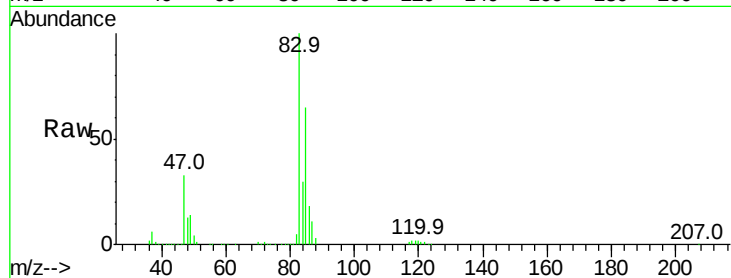
VSTD05089

Tgt Ion: 83 Resp: 510954

Ion Ratio Lower Upper

83 100

85 65.4 46.1 85.5



#27

1,2-Dichloroethane

Concen: 52.262 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VW003346.D

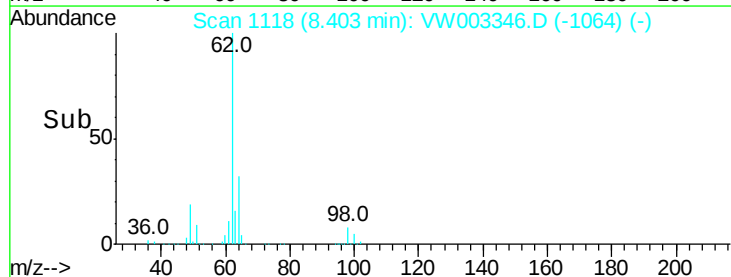
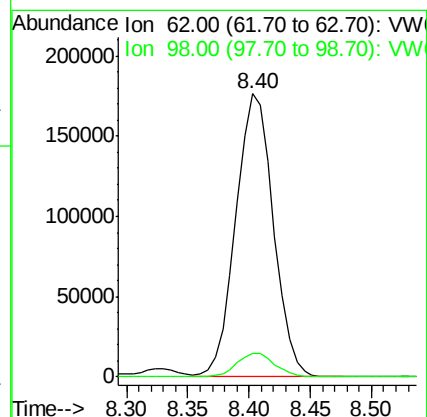
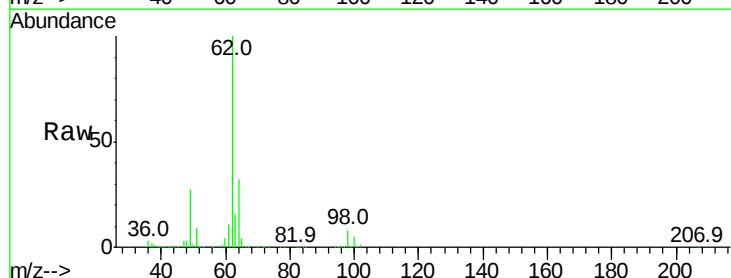
Acq: 20 Jun 2018 10:54

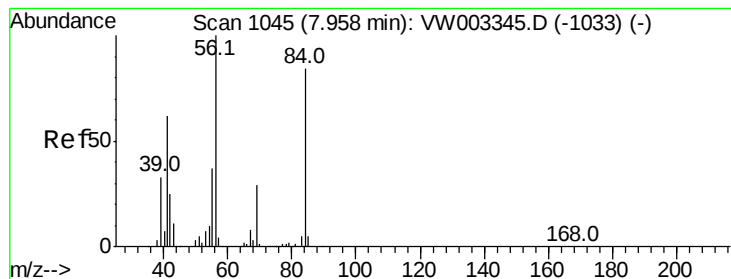
Tgt Ion: 62 Resp: 376079

Ion Ratio Lower Upper

62 100

98 8.2 6.5 9.7





#30

Cyclohexane

Concen: 55.276 ug/L

RT: 7.96 min Scan# 1045

Delta R.T. -0.00 min

Lab File: VW003346.D

Acq: 20 Jun 2018 10:54

Instrument :

MSVOA_W

ClientSampleId :

VSTD05089

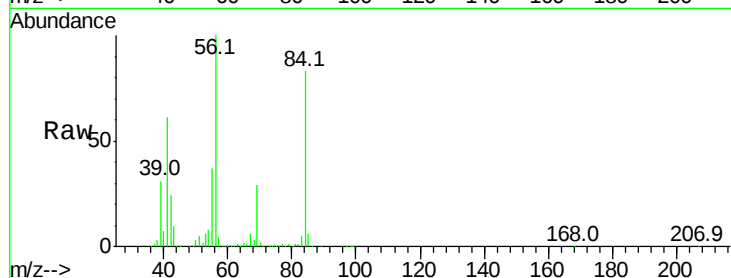
Tgt Ion: 56 Resp: 477734

Ion Ratio Lower Upper

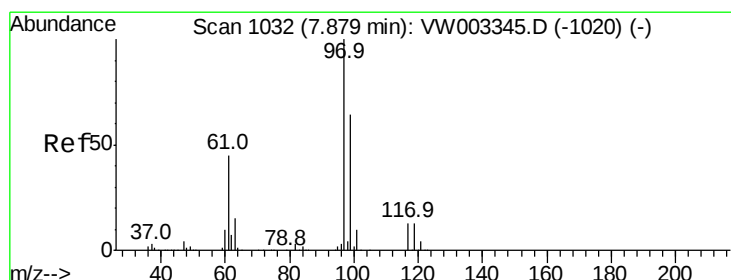
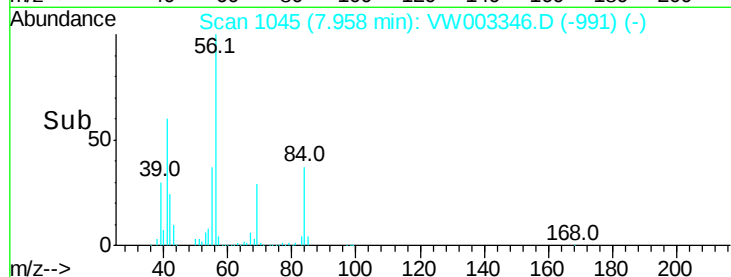
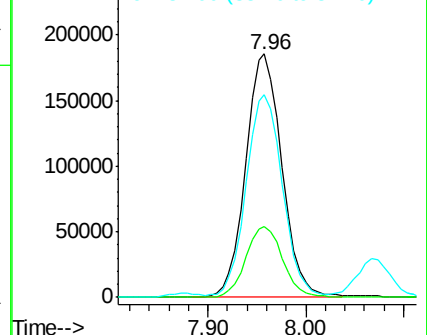
56 100

69 29.6 23.4 35.2

84 84.2 67.4 101.0



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



#31

1,1,1-Trichloroethane

Concen: 50.967 ug/L

RT: 7.88 min Scan# 1032

Delta R.T. -0.00 min

Lab File: VW003346.D

Acq: 20 Jun 2018 10:54

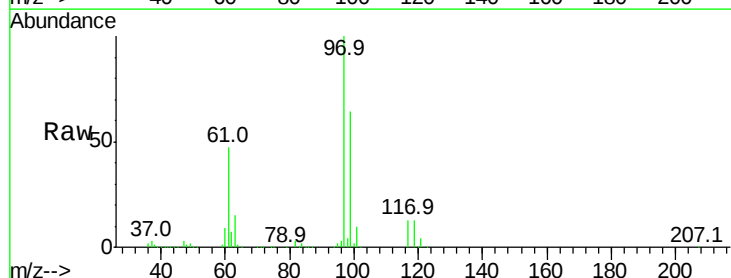
Tgt Ion: 97 Resp: 419562

Ion Ratio Lower Upper

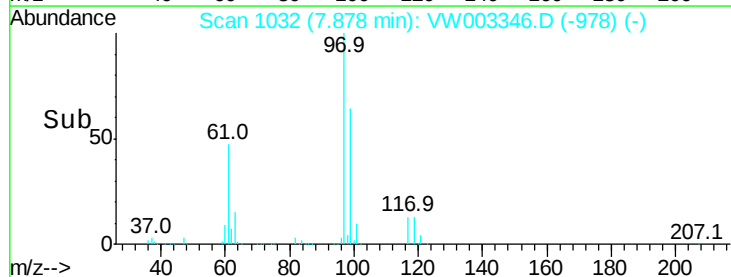
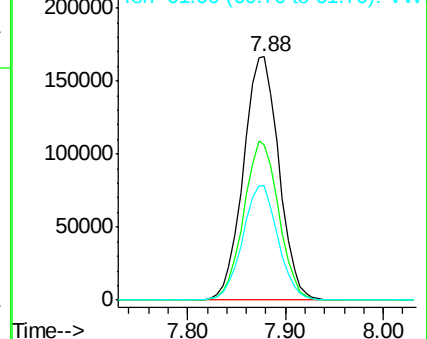
97 100

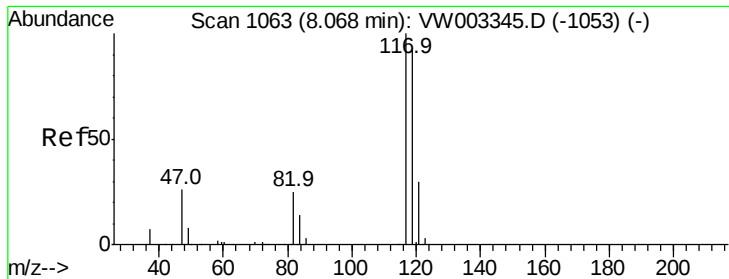
99 64.4 50.9 76.3

61 46.8 37.7 56.5



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 51.959 ug/L

RT: 8.07 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VW003346.D

Acq: 20 Jun 2018 10:54

Instrument :

MSVOA_W

ClientSampleId :

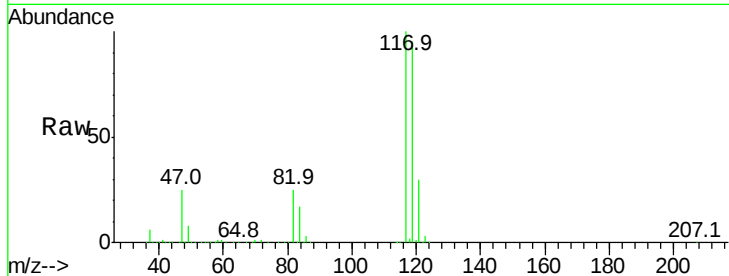
VSTD05089

Tgt Ion:117 Resp: 410872

Ion Ratio Lower Upper

117 100

119 96.5 76.6 114.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

150000

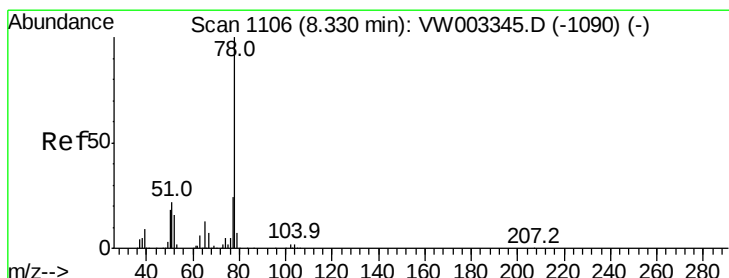
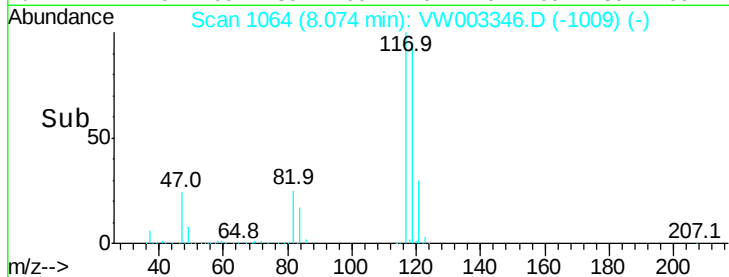
100000

50000

0

Time-->

8.00 8.10 8.20



#34

Benzene

Concen: 52.198 ug/L

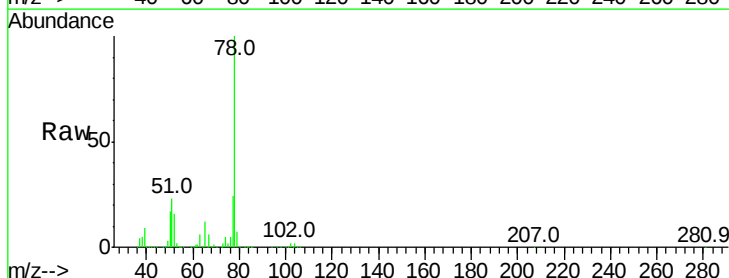
RT: 8.33 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VW003346.D

Acq: 20 Jun 2018 10:54

Tgt Ion: 78 Resp: 1117607



Abundance Ion 78.00 (77.70 to 78.70): VW

600000

500000

400000

300000

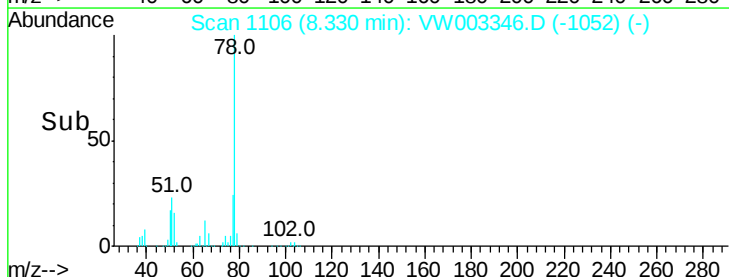
200000

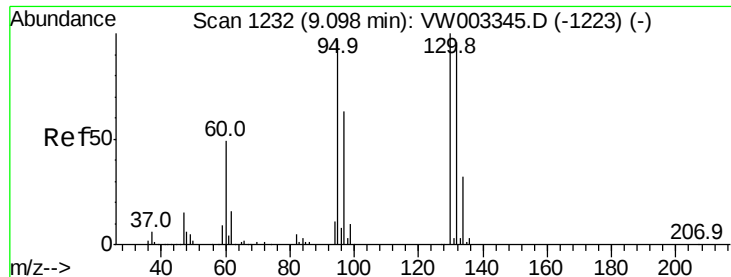
100000

0

Time-->

8.20 8.30 8.40

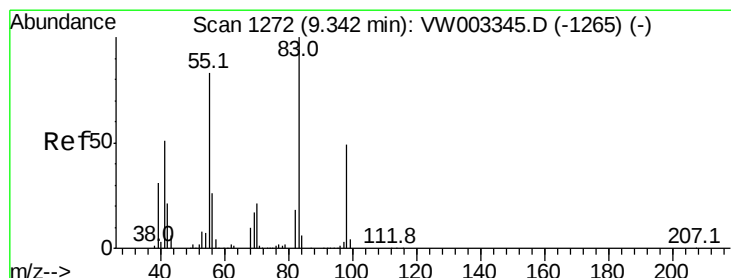
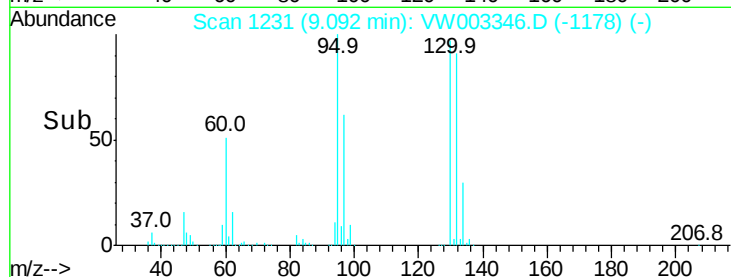
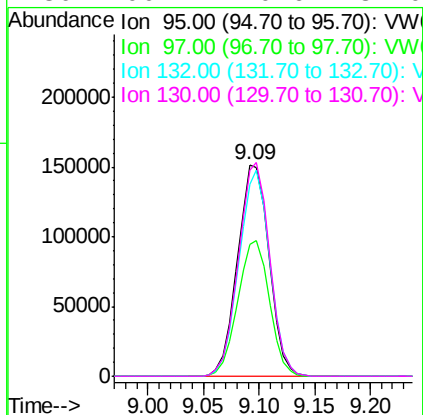
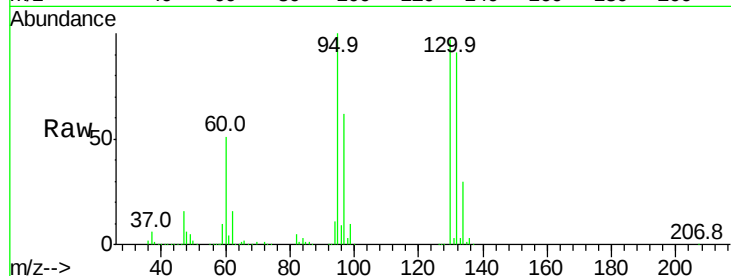




#35
 Trichloroethene
 Concen: 51.972 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VW003346.D
 Acq: 20 Jun 2018 10:54

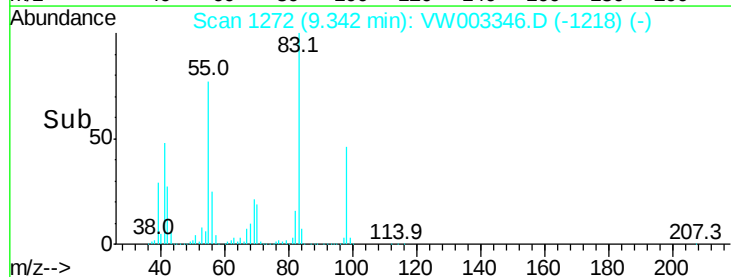
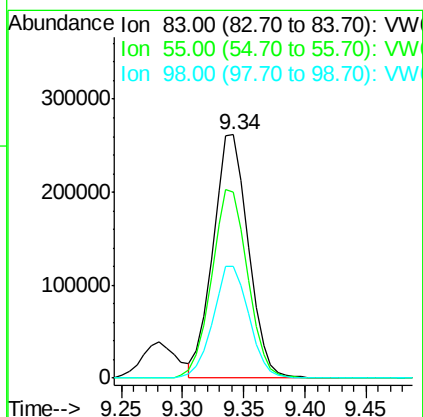
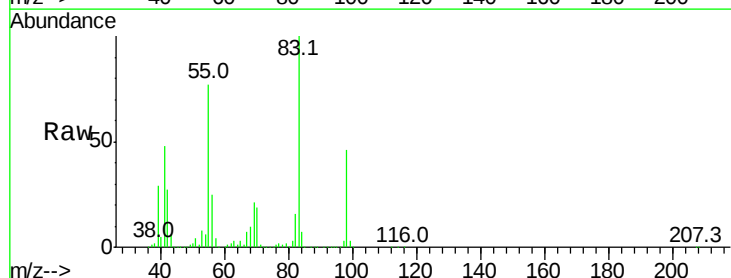
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05089

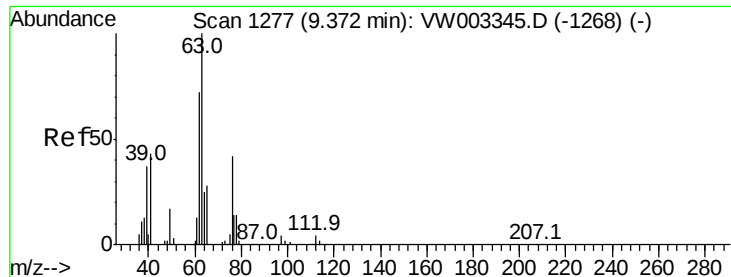
Tgt Ion:	95	Resp:	297235
Ion	Ratio	Lower	Upper
95	100		
97	64.5	45.6	84.6
132	95.8	67.8	125.8
130	100.2	70.6	131.0



#36
 Methylcyclohexane
 Concen: 53.463 ug/L
 RT: 9.34 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VW003346.D
 Acq: 20 Jun 2018 10:54

Tgt Ion:	83	Resp:	525601
Ion	Ratio	Lower	Upper
83	100		
55	79.4	63.9	95.9
98	46.8	37.1	55.7





#40

1,2-Dichloropropane

Concen: 52.649 ug/L

RT: 9.37 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VW003346.D

Acq: 20 Jun 2018 10:54

Instrument :

MSVOA_W

ClientSampleId :

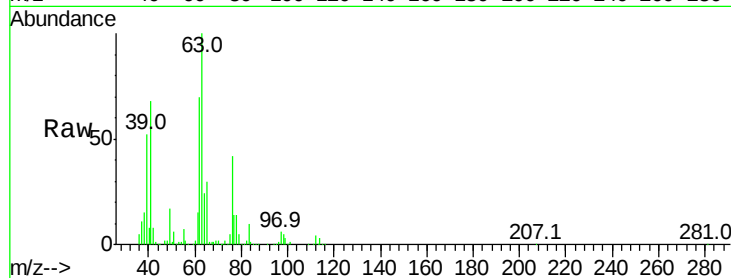
VSTD05089

Tgt Ion: 63 Resp: 290148

Ion Ratio Lower Upper

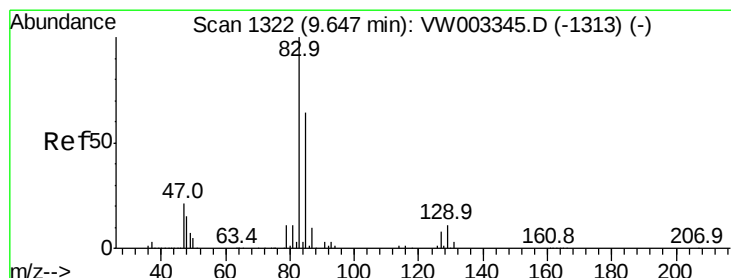
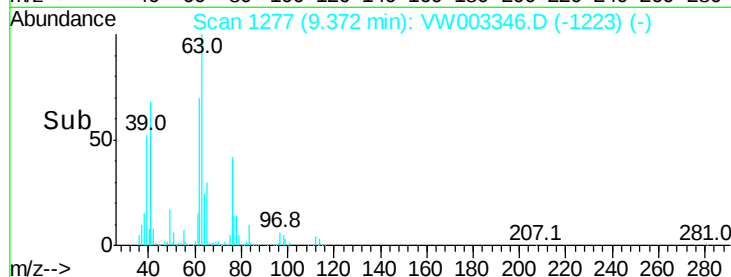
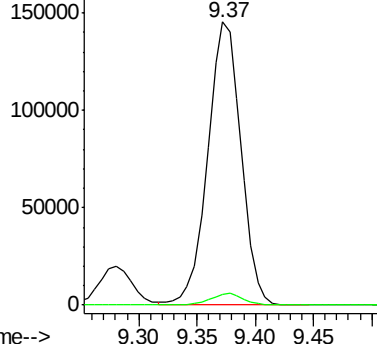
63 100

112 3.9 3.4 5.0



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 53.440 ug/L

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW003346.D

Acq: 20 Jun 2018 10:54

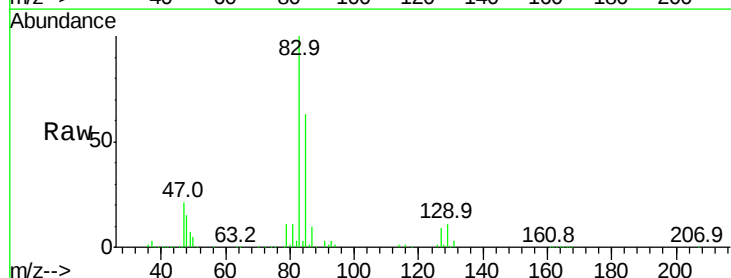
Tgt Ion: 83 Resp: 381276

Ion Ratio Lower Upper

83 100

85 62.6 44.7 83.1

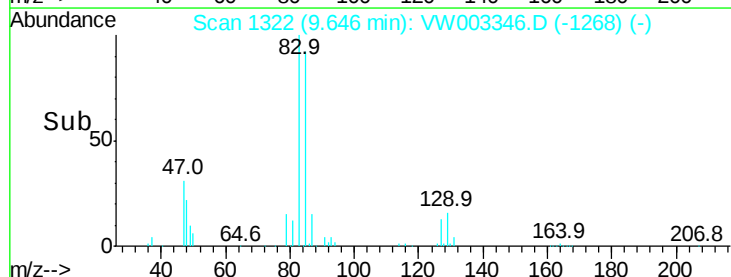
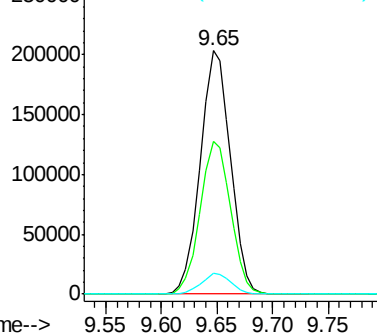
127 8.5 6.2 9.2

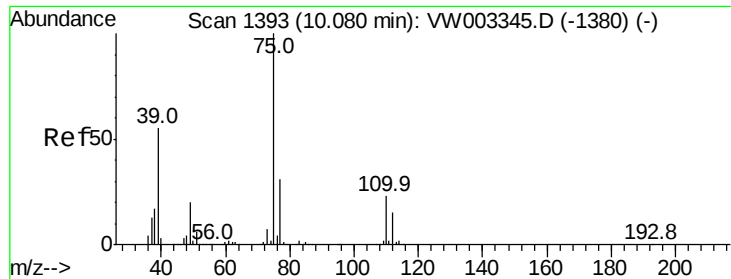


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 55.214 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW003346.D

Acq: 20 Jun 2018 10:54

Instrument :

MSVOA_W

ClientSampleId :

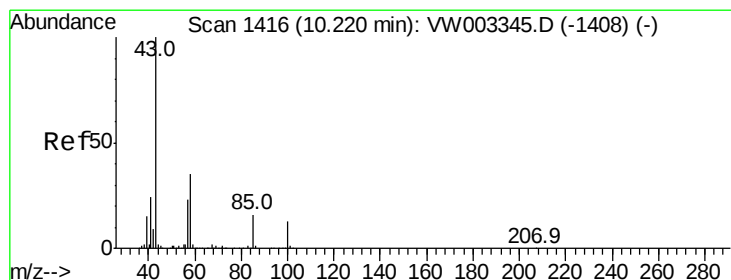
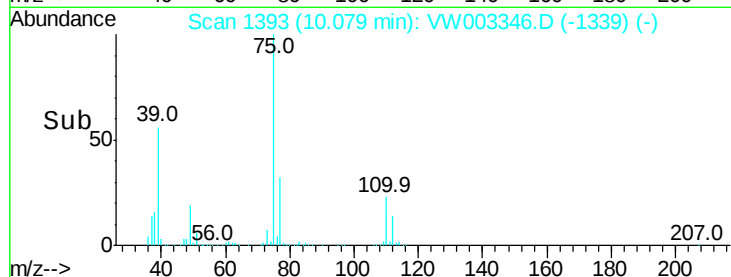
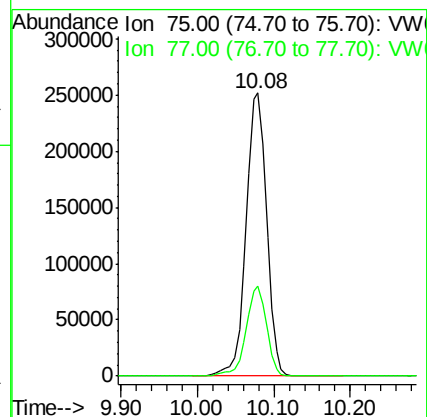
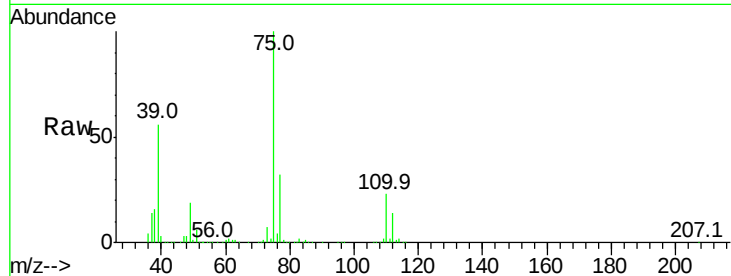
VSTD05089

Tgt Ion: 75 Resp: 469635

Ion Ratio Lower Upper

75 100

77 32.0 21.8 40.6



#43

4-Methyl-2-pentanone

Concen: 100.186 ug/L

RT: 10.22 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VW003346.D

Acq: 20 Jun 2018 10:54

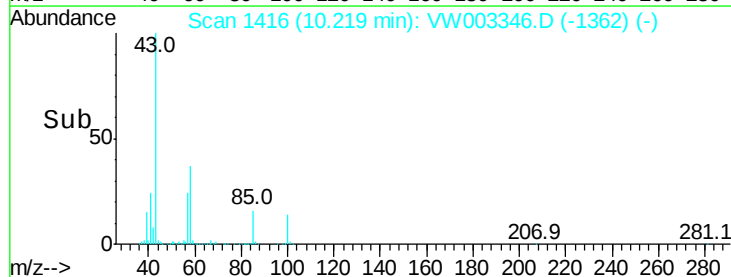
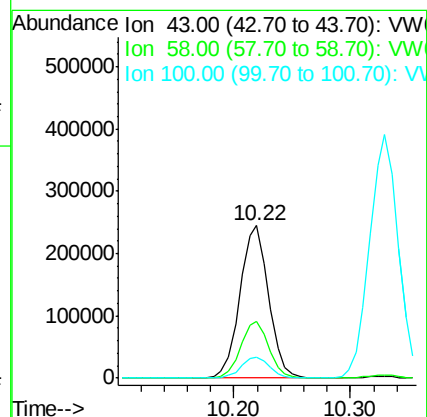
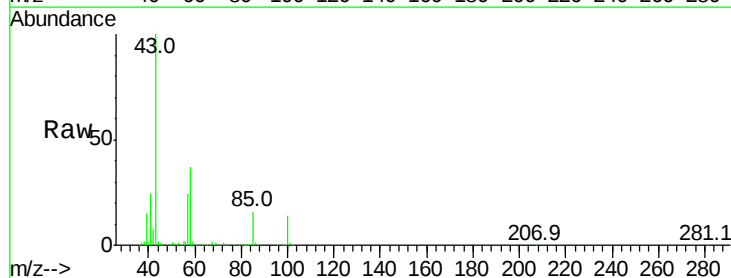
Tgt Ion: 43 Resp: 418722

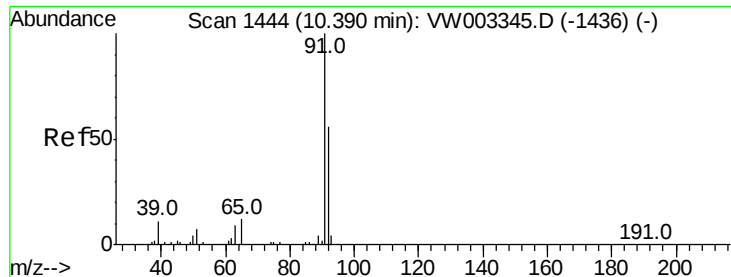
Ion Ratio Lower Upper

43 100

58 36.8 28.7 43.1

100 13.8 11.1 16.7





#44

Toluene

Concen: 53.250 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW003346.D

Acq: 20 Jun 2018 10:54

Instrument :

MSVOA_W

ClientSampleId :

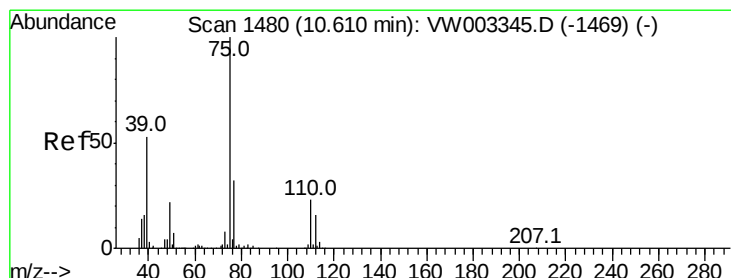
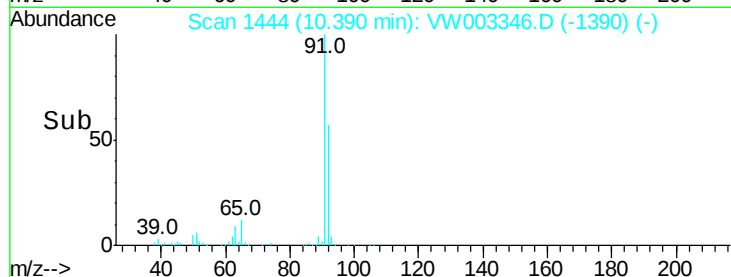
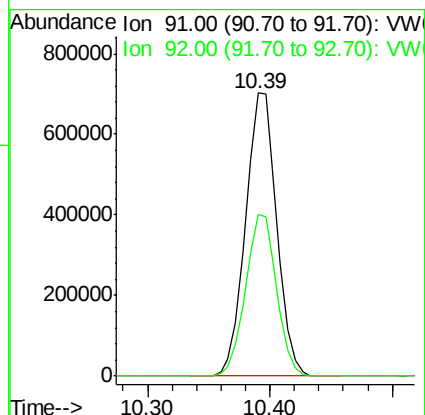
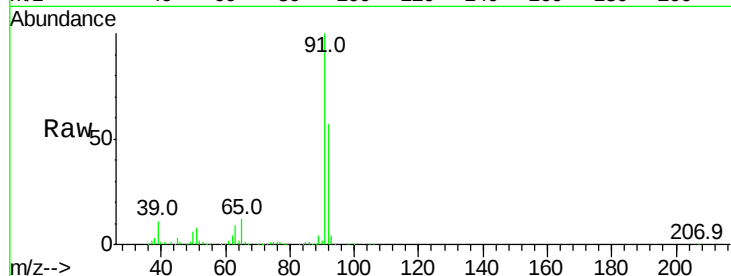
VSTD05089

Tgt Ion: 91 Resp: 1240636

Ion Ratio Lower Upper

91 100

92 57.2 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 54.876 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW003346.D

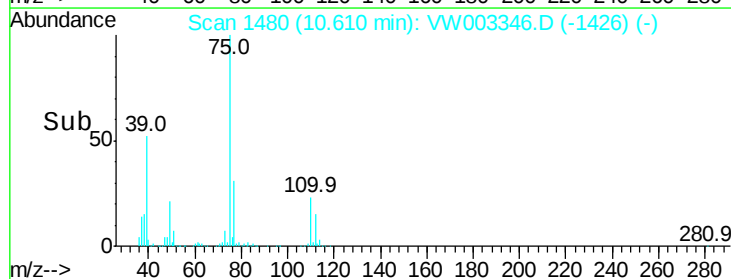
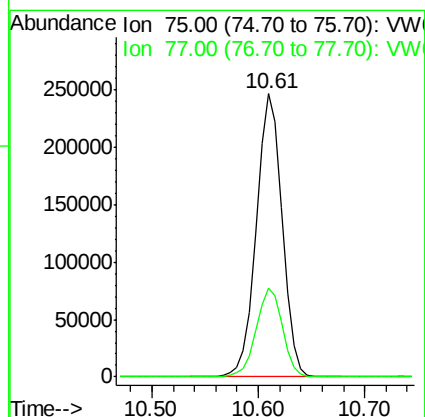
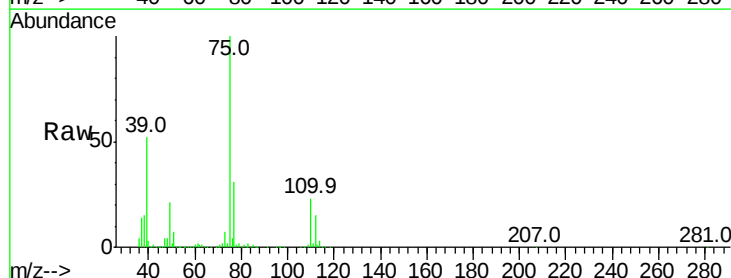
Acq: 20 Jun 2018 10:54

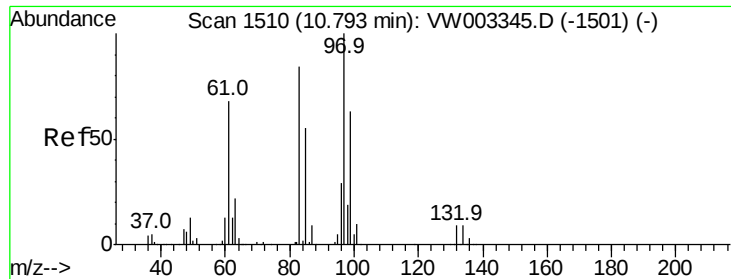
Tgt Ion: 75 Resp: 419979

Ion Ratio Lower Upper

75 100

77 31.2 22.4 41.6

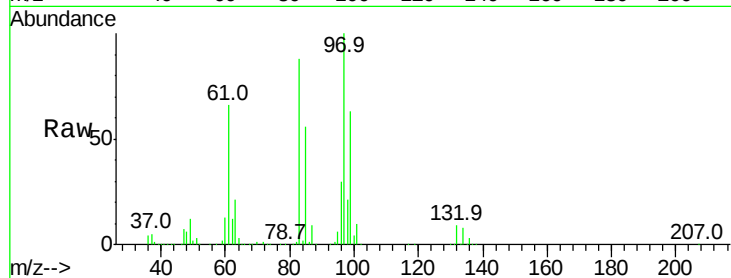




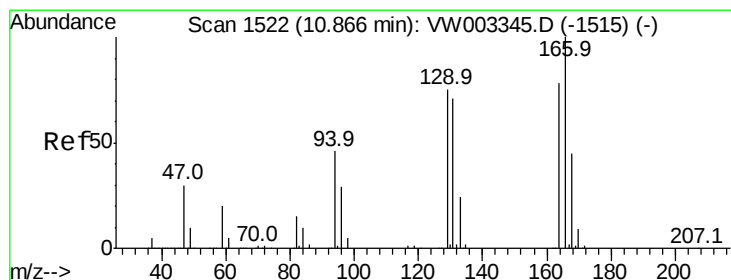
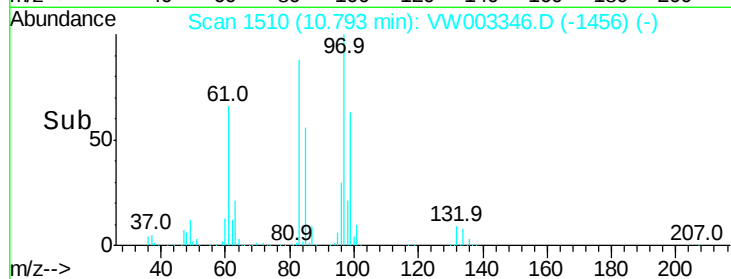
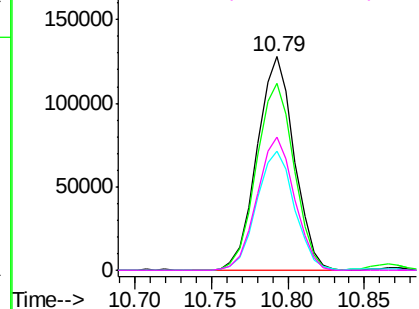
#46
 1,1,2-Trichloroethane
 Concen: 51.089 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW003346.D
 Acq: 20 Jun 2018 10:54

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05089

Tgt Ion: 97 Resp: 216868
 Ion Ratio Lower Upper
 97 100
 83 87.6 58.8 109.2
 85 55.5 38.8 72.0
 99 62.6 43.8 81.3

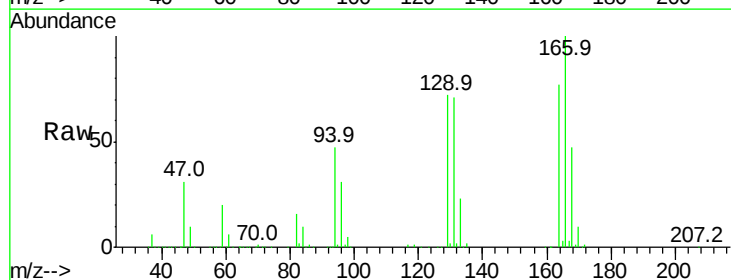


Abundance Ion 97.00 (96.70 to 97.70): VW
 200000
 Ion 83.00 (82.70 to 83.70): VW
 Ion 85.00 (84.70 to 85.70): VW
 Ion 99.00 (98.70 to 99.70): VW

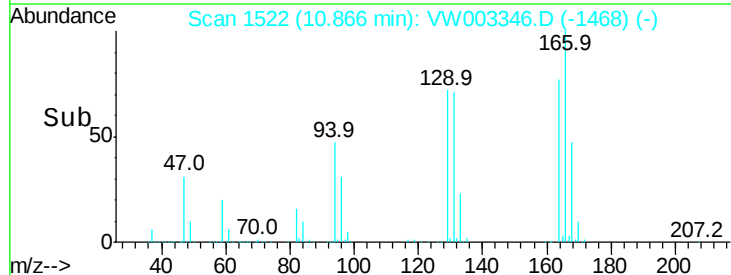
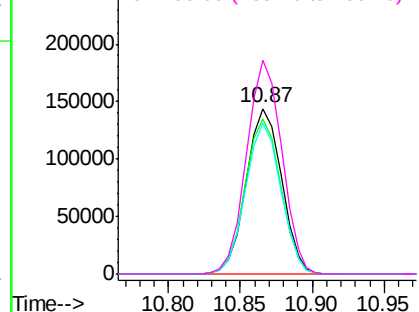


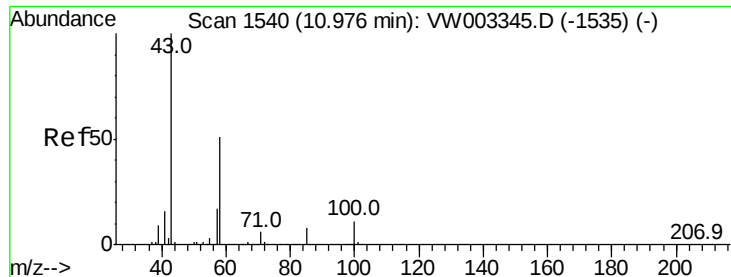
#47
 Tetrachloroethene
 Concen: 51.160 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. -0.00 min
 Lab File: VW003346.D
 Acq: 20 Jun 2018 10:54

Tgt Ion: 164 Resp: 245394
 Ion Ratio Lower Upper
 164 100
 129 93.7 67.3 124.9
 131 91.3 63.8 118.4
 166 129.3 90.2 167.4



Abundance Ion 164.00 (163.70 to 164.70): V
 250000
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V



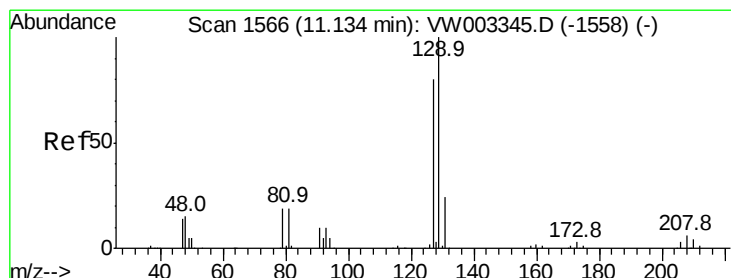
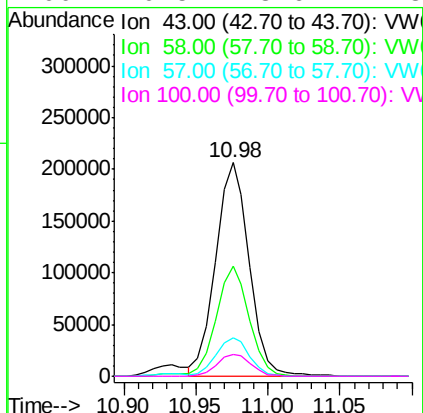
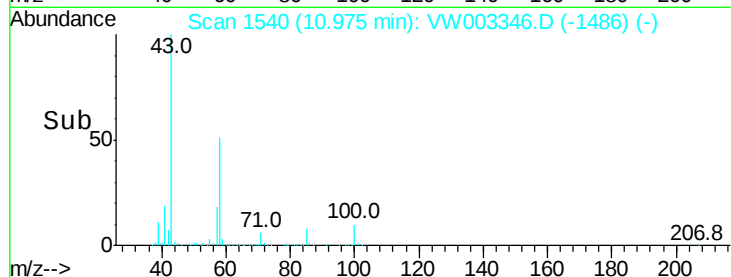
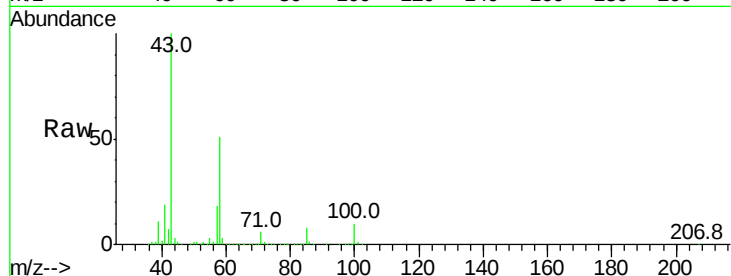


#49
2-Hexanone
Concen: 111.289 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW003346.D
Acq: 20 Jun 2018 10:54

Instrument :
MSVOA_W
ClientSampleId :
VSTD05089

Tgt Ion: 43 Resp: 335884

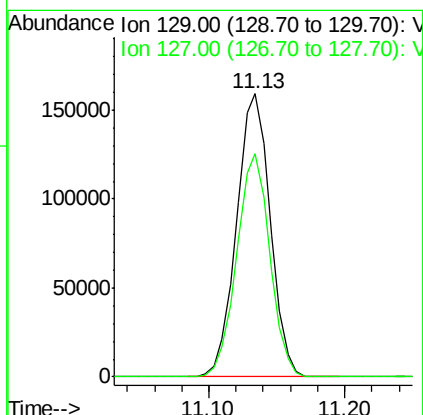
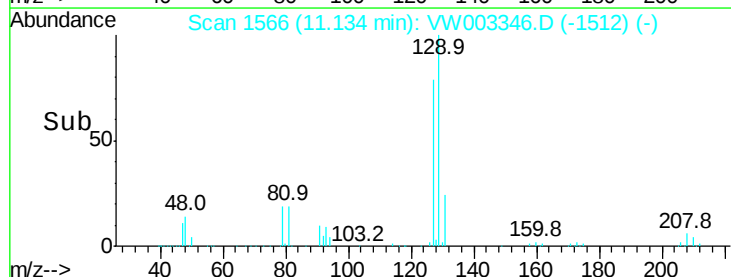
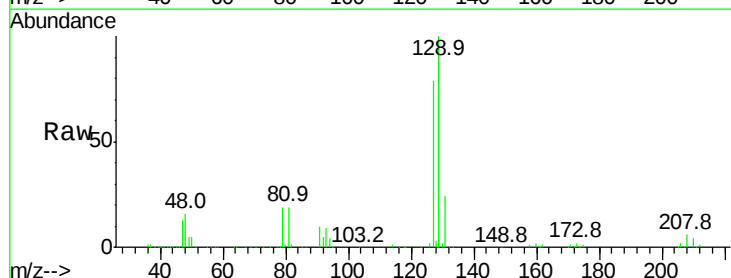
Ion	Ratio	Lower	Upper
43	100		
58	50.4	40.4	60.6
57	18.2	14.6	21.8
100	10.5	8.6	12.8

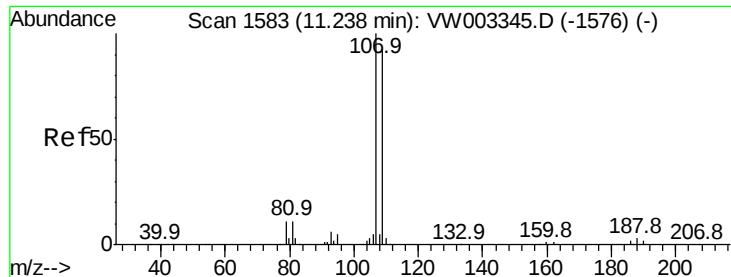


#50
Dibromochloromethane
Concen: 53.097 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW003346.D
Acq: 20 Jun 2018 10:54

Tgt Ion: 129 Resp: 274490

Ion	Ratio	Lower	Upper
129	100		
127	78.7	56.0	104.0

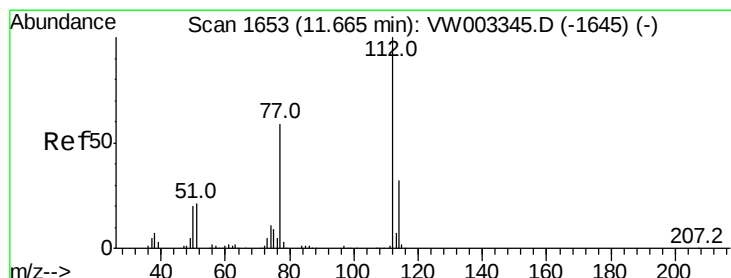
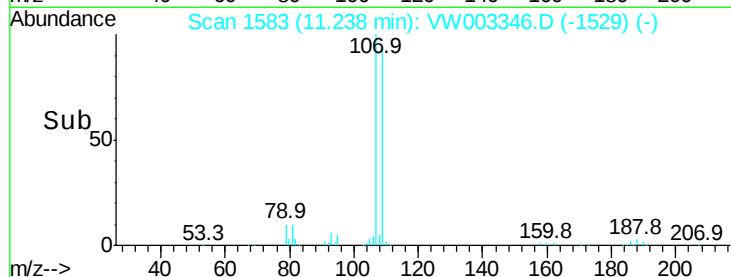
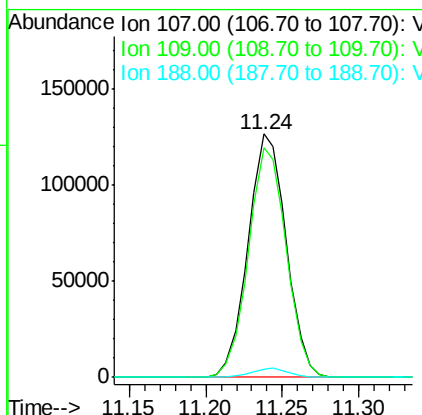
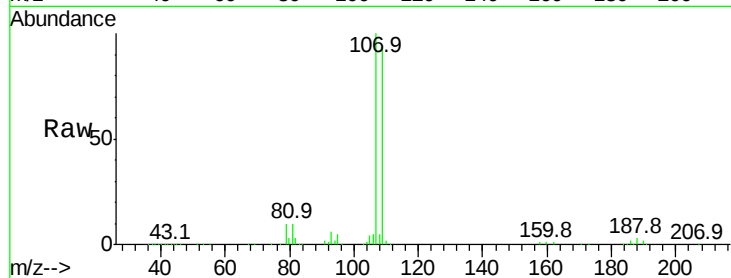




#51
1,2-Dibromoethane
Concen: 52.204 ug/L
RT: 11.24 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VW003346.D
Acq: 20 Jun 2018 10:54

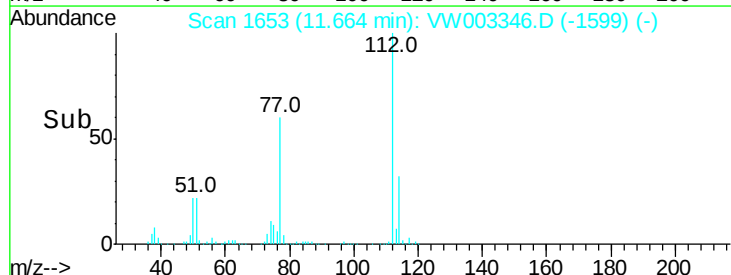
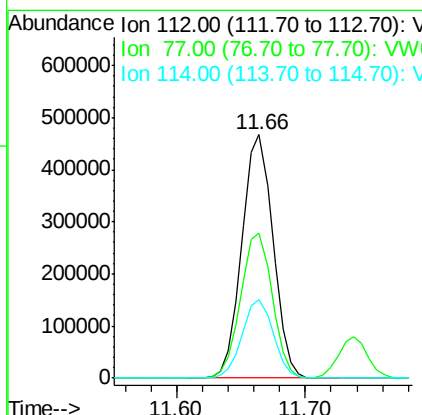
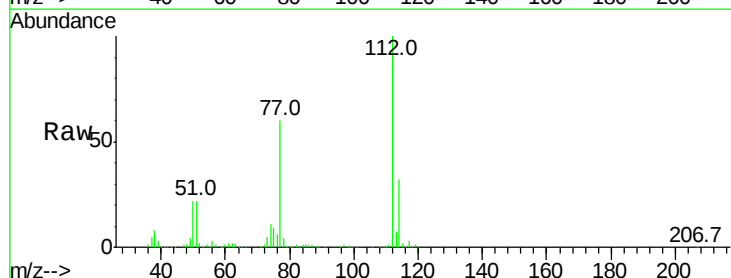
Instrument :
MSVOA_W
ClientSampleId :
VSTD05089

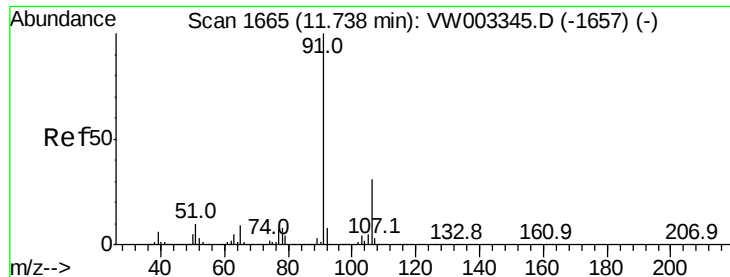
Tgt Ion:107 Resp: 219511
Ion Ratio Lower Upper
107 100
109 94.3 64.5 119.9
188 3.4 2.8 4.2



#52
Chlorobenzene
Concen: 51.301 ug/L
RT: 11.66 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VW003346.D
Acq: 20 Jun 2018 10:54

Tgt Ion:112 Resp: 780551
Ion Ratio Lower Upper
112 100
77 59.5 47.3 70.9
114 32.2 22.2 41.2





#53

Ethylbenzene

Concen: 53.824 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW003346.D

Acq: 20 Jun 2018 10:54

Instrument :

MSVOA_W

ClientSampleId :

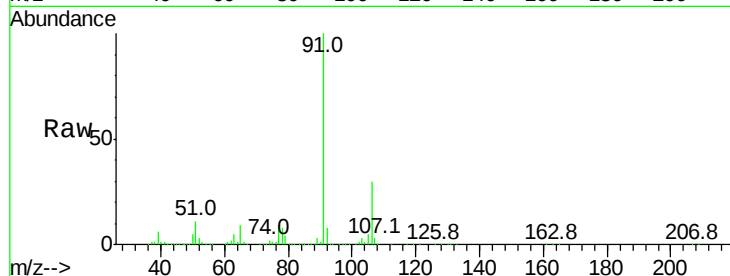
VSTD05089

Tgt Ion: 91 Resp: 1421658

Ion Ratio Lower Upper

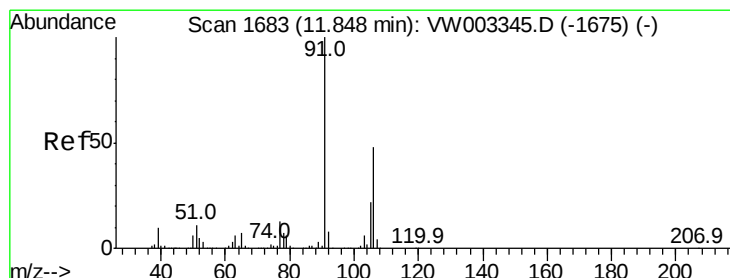
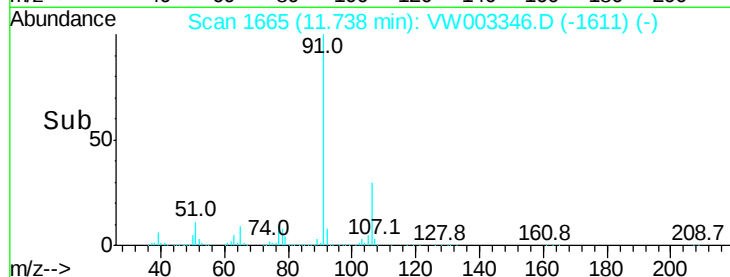
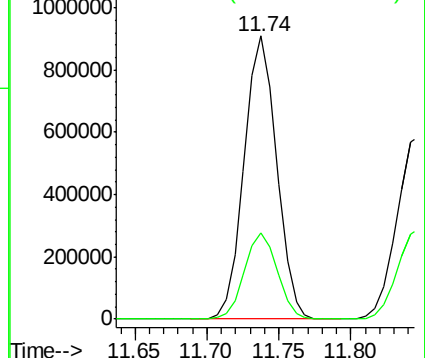
91 100

106 30.5 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 54.818 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW003346.D

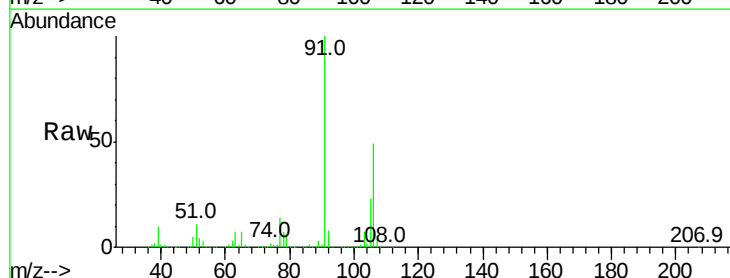
Acq: 20 Jun 2018 10:54

Tgt Ion: 106 Resp: 535497

Ion Ratio Lower Upper

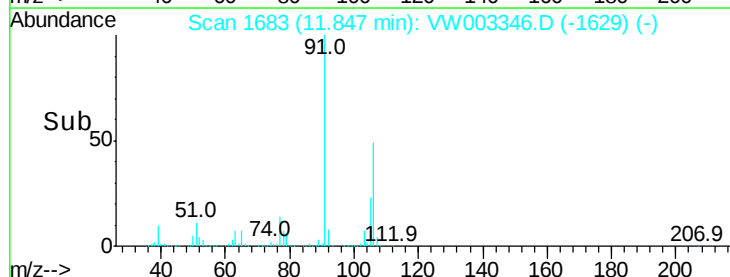
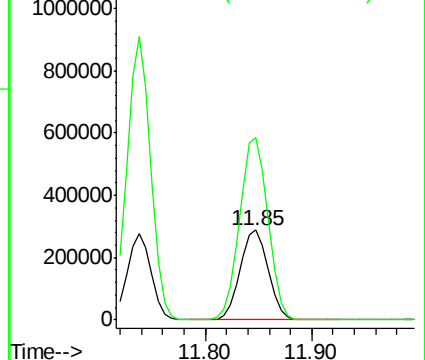
106 100

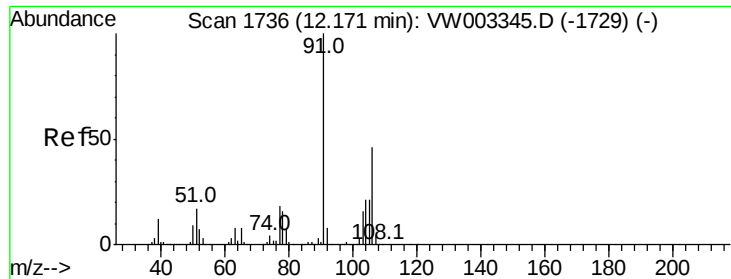
91 202.7 146.4 271.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#55

o-xylene

Concen: 55.692 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VW003346.D

Acq: 20 Jun 2018 10:54

Instrument :

MSVOA_W

ClientSampleId :

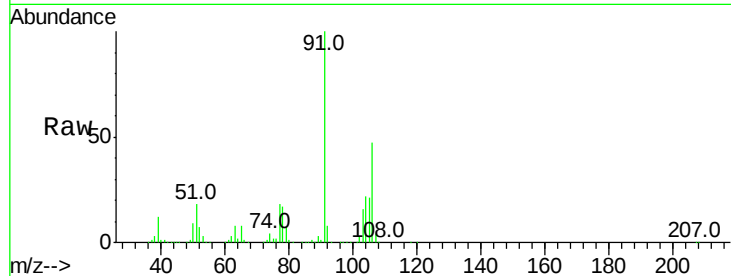
VSTD05089

Tgt Ion:106 Resp: 517390

Ion Ratio Lower Upper

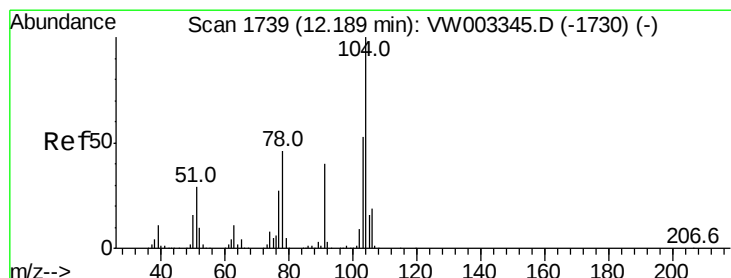
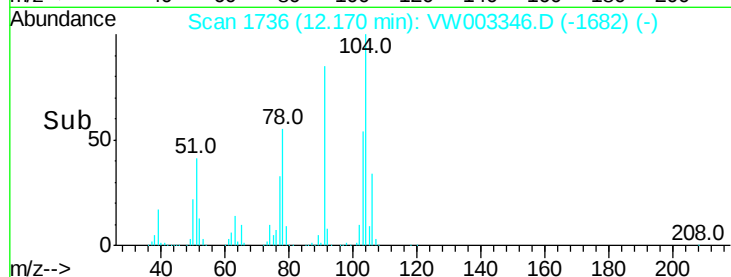
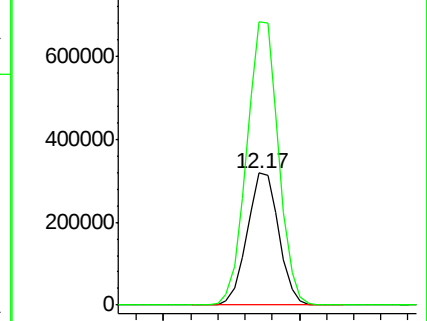
106 100

91 214.8 153.4 285.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 55.710 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VW003346.D

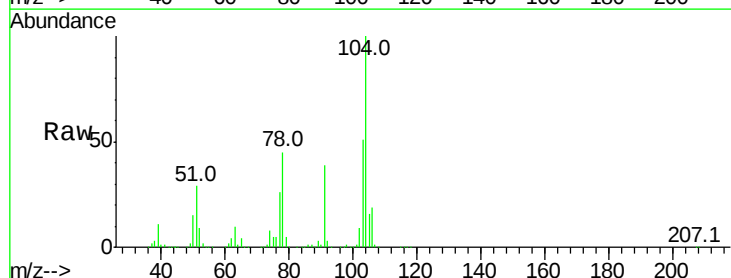
Acq: 20 Jun 2018 10:54

Tgt Ion:104 Resp: 901781

Ion Ratio Lower Upper

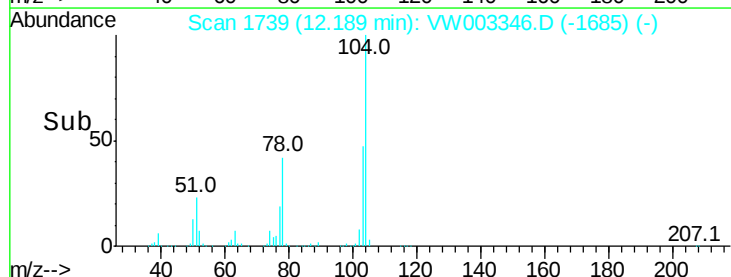
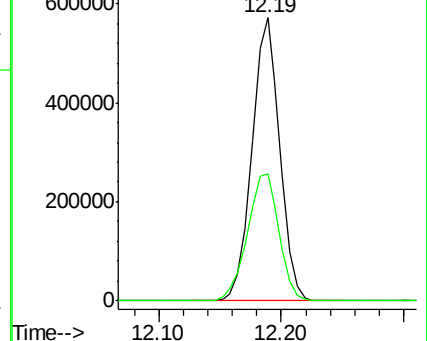
104 100

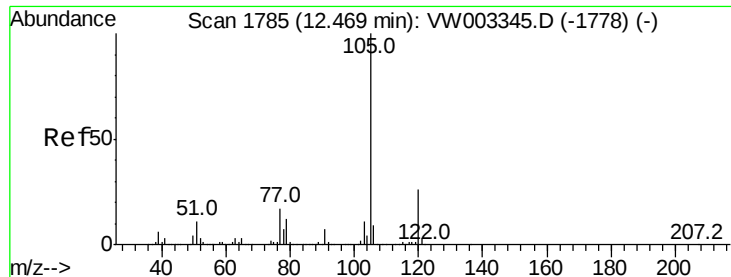
78 45.2 32.1 59.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 54.808 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW003346.D

Acq: 20 Jun 2018 10:54

Instrument :

MSVOA_W

ClientSampleId :

VSTD05089

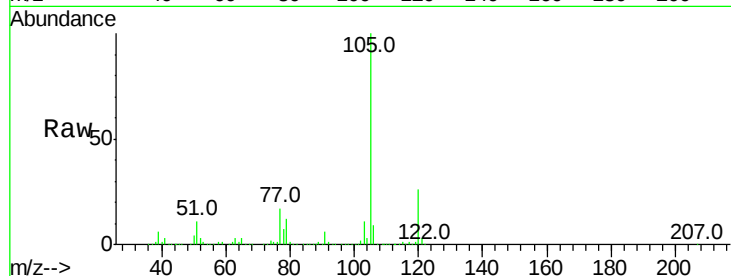
Tgt Ion:105 Resp: 1421197

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.4

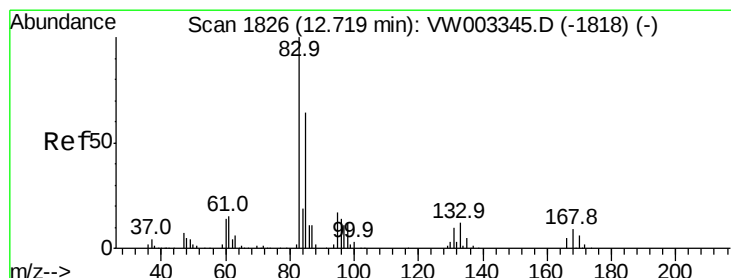
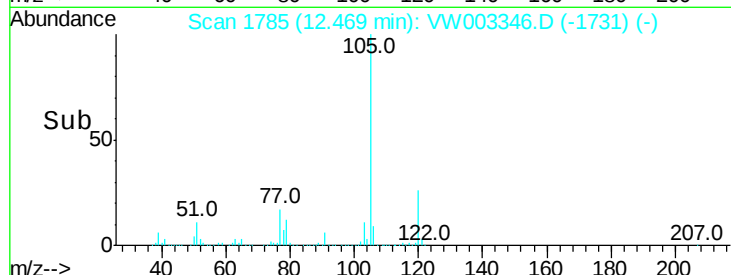
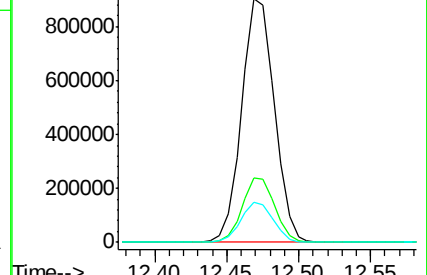
77 16.4 13.3 19.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 51.392 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW003346.D

Acq: 20 Jun 2018 10:54

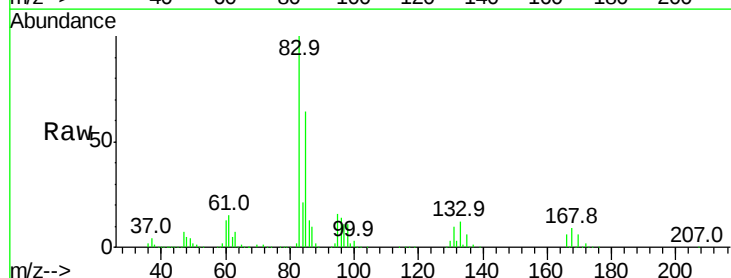
Tgt Ion: 83 Resp: 288834

Ion Ratio Lower Upper

83 100

85 63.6 45.1 83.9

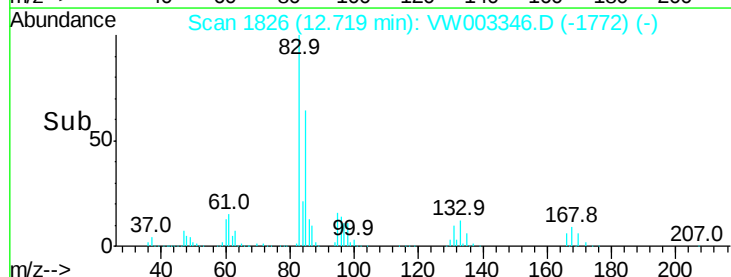
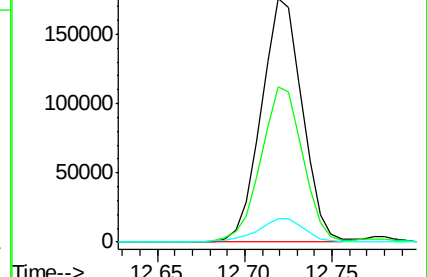
131 9.5 8.2 12.2

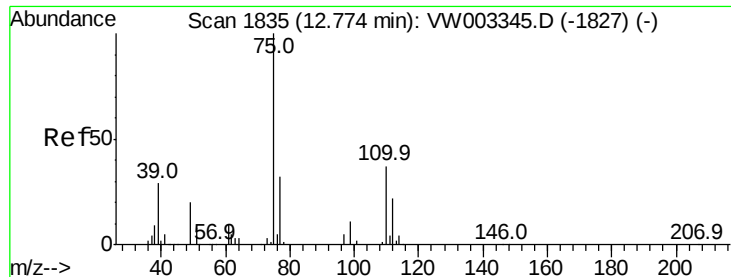


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.454 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW003346.D

Acq: 20 Jun 2018 10:54

Instrument :

MSVOA_W

ClientSampleId :

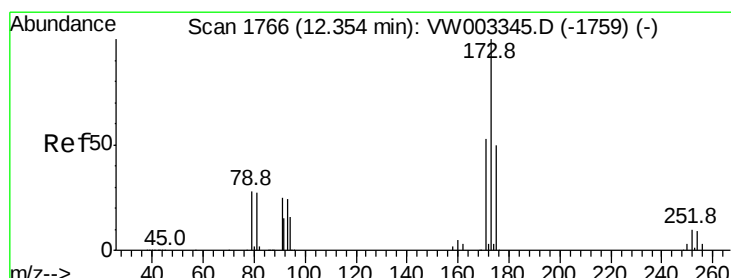
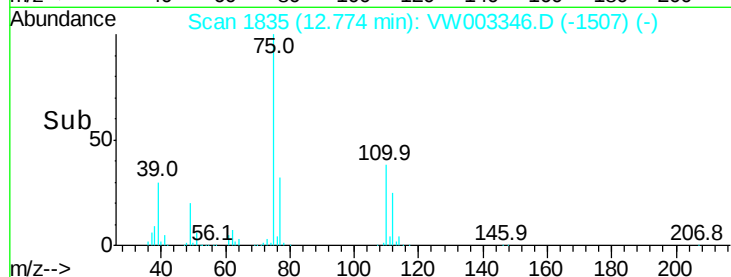
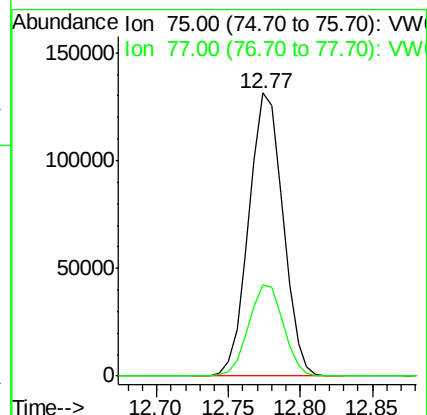
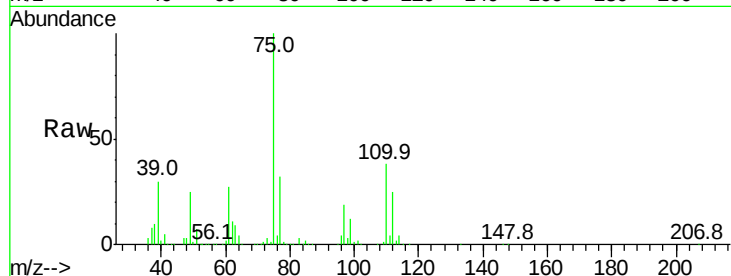
VSTD05089

Tgt Ion: 75 Resp: 215961

Ion Ratio Lower Upper

75 100

77 32.6 26.0 39.0



#62

Bromoform

Concen: 52.106 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW003346.D

Acq: 20 Jun 2018 10:54

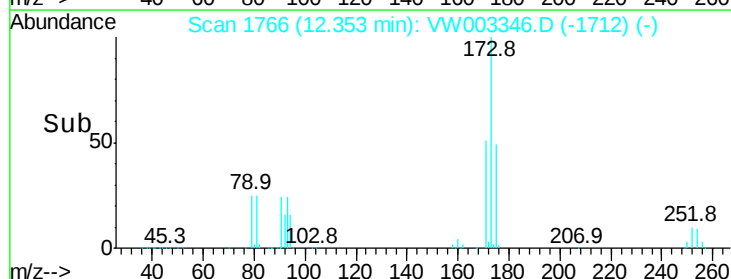
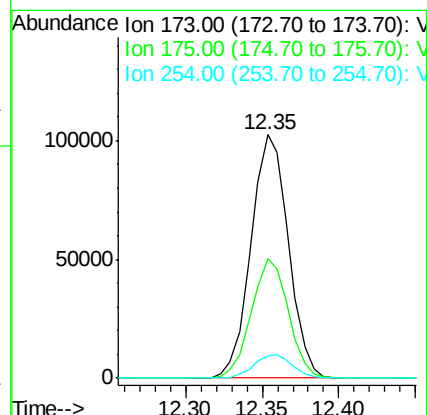
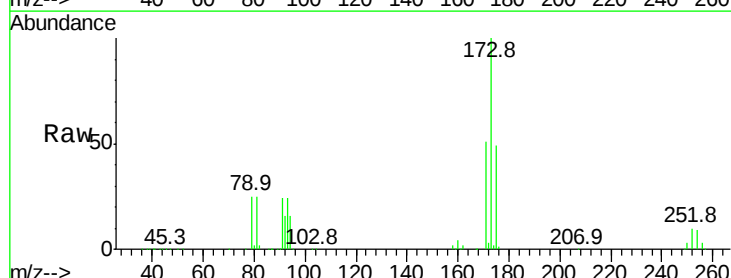
Tgt Ion: 173 Resp: 174491

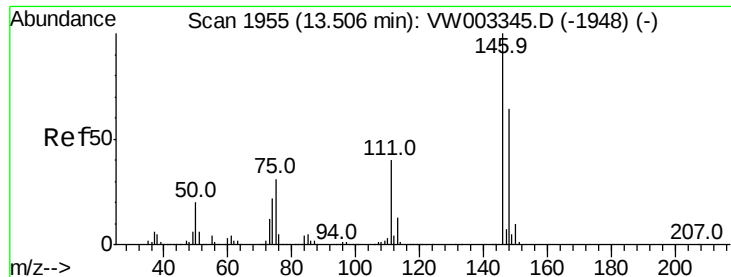
Ion Ratio Lower Upper

173 100

175 48.5 39.9 59.9

254 9.8 7.7 11.5

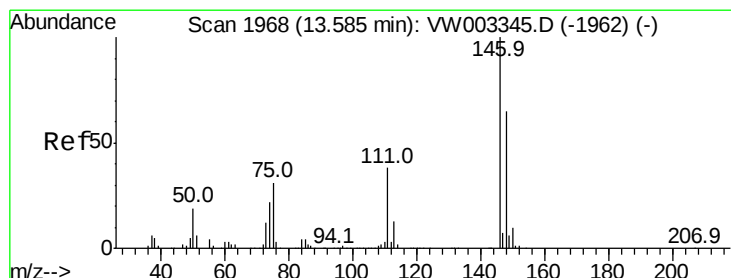
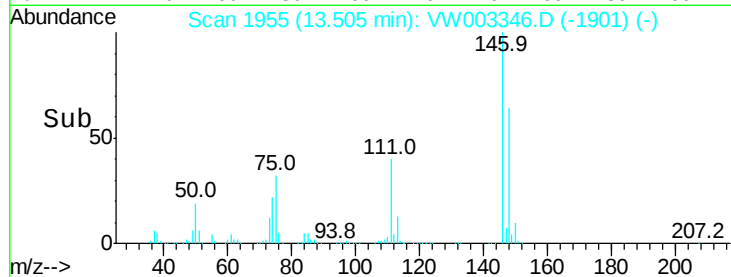
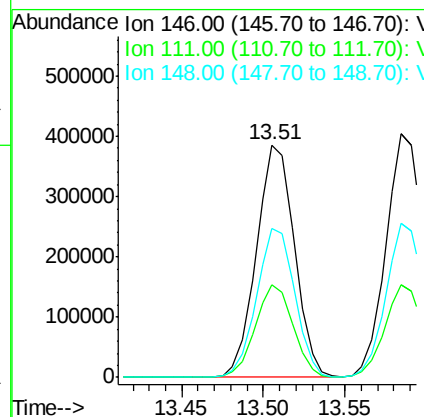
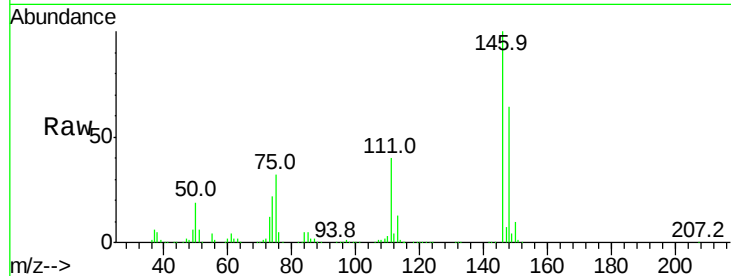




#63
 1,3-Dichlorobenzene
 Concen: 51.112 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW003346.D
 Acq: 20 Jun 2018 10:54

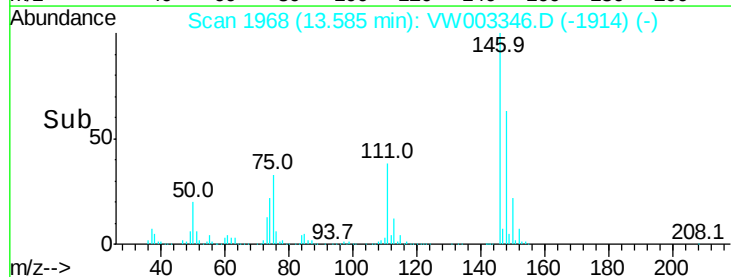
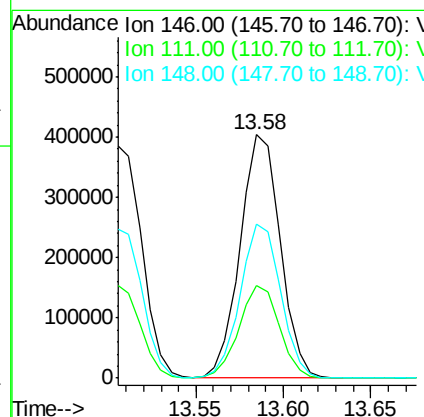
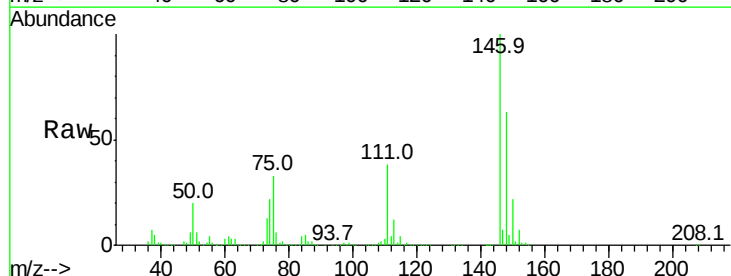
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05089

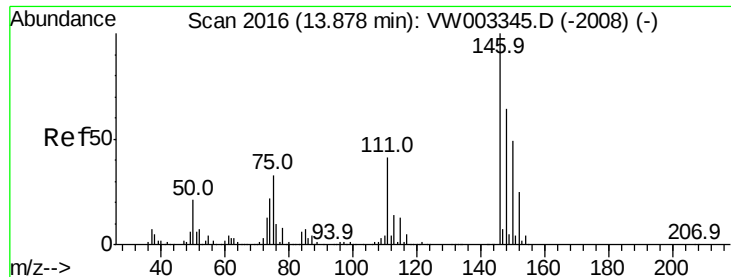
Tgt Ion:146 Resp: 624520
 Ion Ratio Lower Upper
 146 100
 111 39.9 27.9 51.7
 148 63.9 44.9 83.3



#64
 1,4-Dichlorobenzene
 Concen: 50.595 ug/L
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW003346.D
 Acq: 20 Jun 2018 10:54

Tgt Ion:146 Resp: 646197
 Ion Ratio Lower Upper
 146 100
 111 38.2 26.8 49.8
 148 63.2 45.4 84.2





#65

1,2-Dichlorobenzene

Concen: 51.232 ug/L

RT: 13.88 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VW003346.D

Acq: 20 Jun 2018 10:54

Instrument :

MSVOA_W

ClientSampleId :

VSTD05089

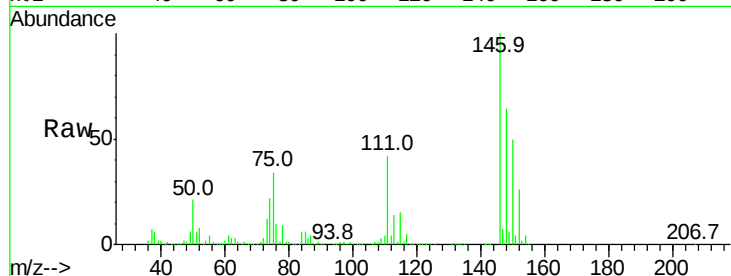
Tgt Ion:146 Resp: 591791

Ion Ratio Lower Upper

146 100

111 42.1 33.1 49.7

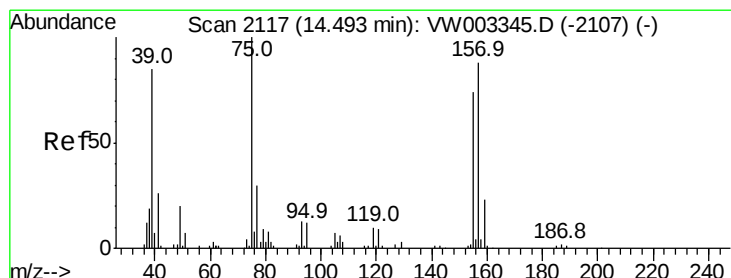
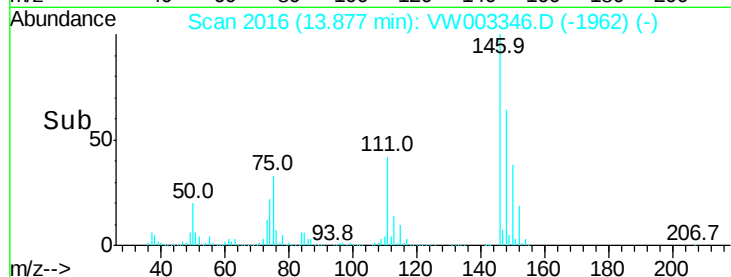
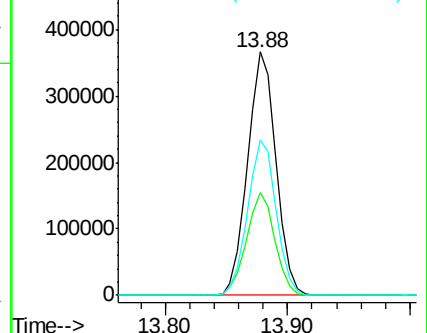
148 64.0 51.0 76.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 49.789 ug/L

RT: 14.49 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VW003346.D

Acq: 20 Jun 2018 10:54

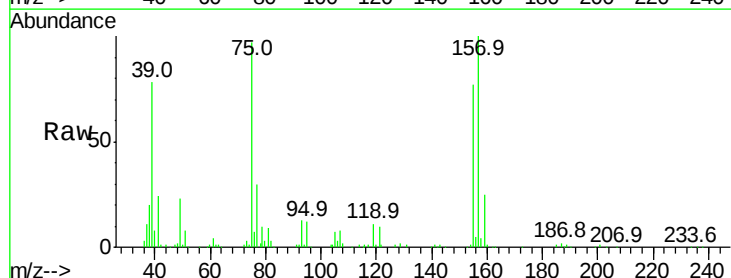
Tgt Ion: 75 Resp: 49297

Ion Ratio Lower Upper

75 100

157 103.2 70.7 106.1

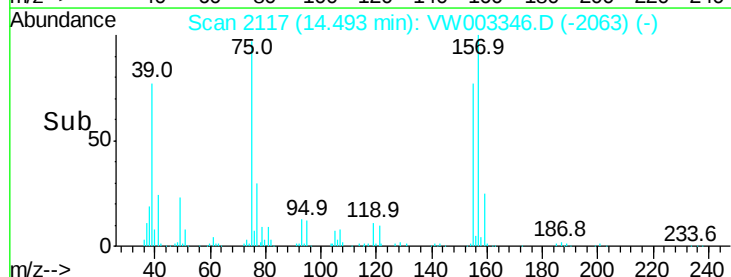
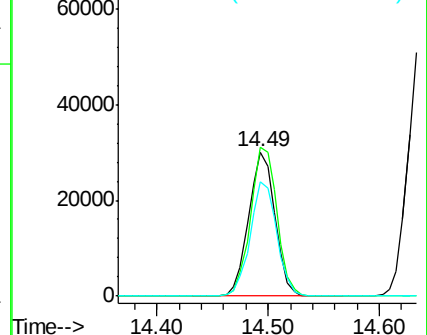
155 79.7 59.0 88.6

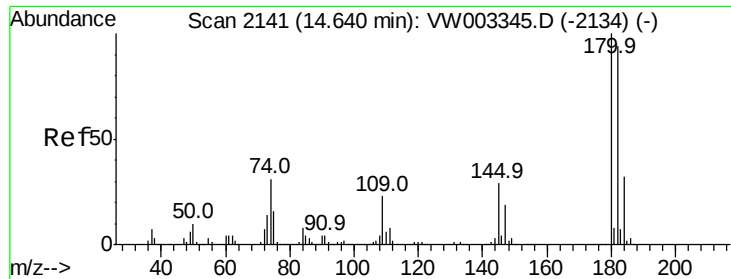


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

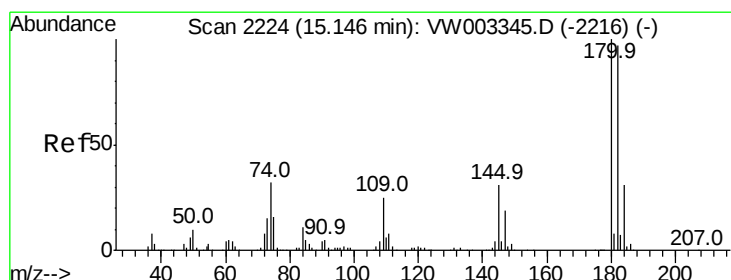
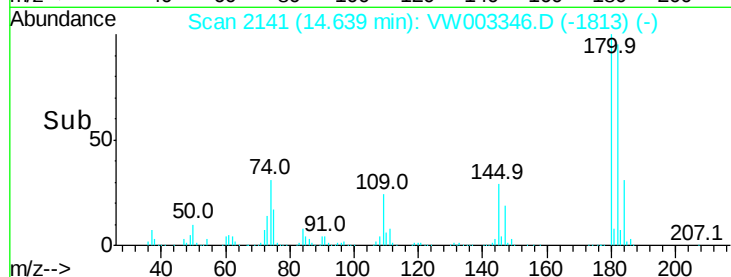
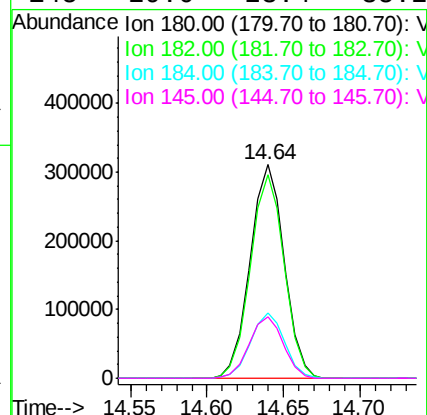
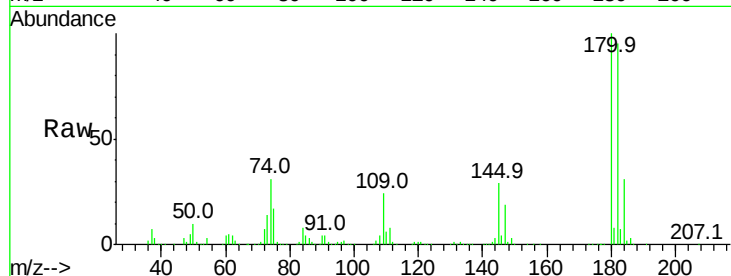




#67
 1,3,5-Trichlorobenzene
 Concen: 50.201 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VW003346.D
 Acq: 20 Jun 2018 10:54

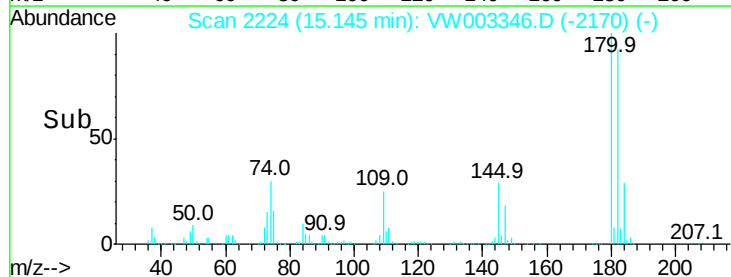
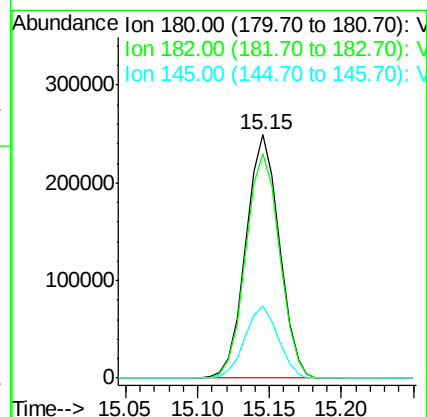
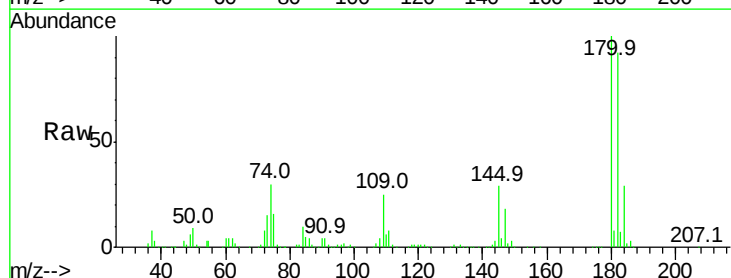
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05089

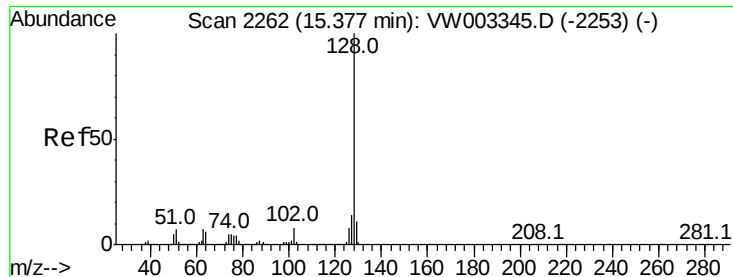
Tgt Ion:	180	Resp:	480355
Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.9	113.9
184	30.4	24.5	36.7
145	29.0	23.4	35.2



#68
 1,2,4-trichlorobenzene
 Concen: 51.097 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW003346.D
 Acq: 20 Jun 2018 10:54

Tgt Ion:	180	Resp:	399986
Ion	Ratio	Lower	Upper
180	100		
182	93.7	74.8	112.2
145	29.6	23.6	35.4





#69

Naphthalene

Concen: 53.300 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW003346.D

Acq: 20 Jun 2018 10:54

Instrument :

MSVOA_W

ClientSampleId :

VSTD05089

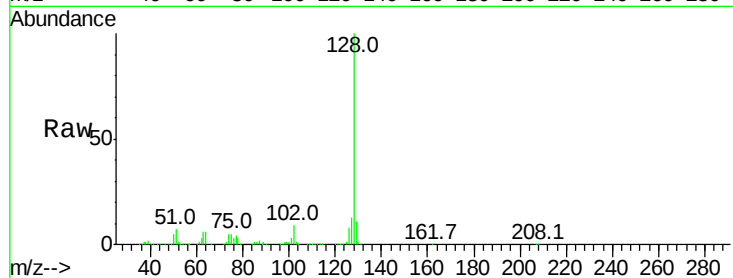
Tgt Ion:128 Resp: 792674

Ion Ratio Lower Upper

128 100

129 10.7 8.6 13.0

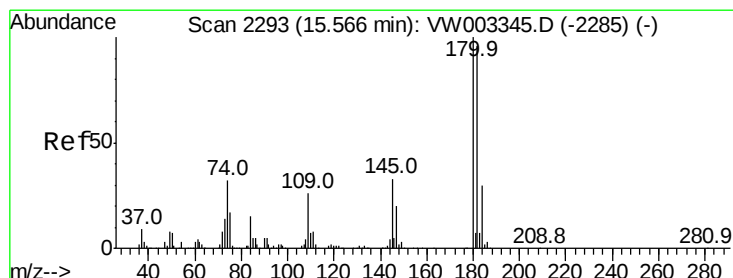
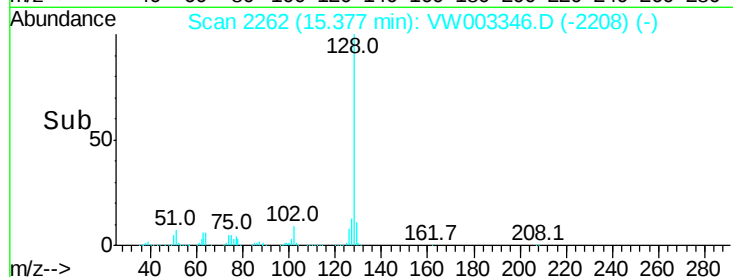
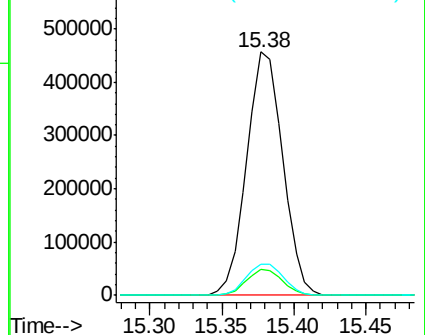
127 13.5 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 50.168 ug/L

RT: 15.57 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VW003346.D

Acq: 20 Jun 2018 10:54

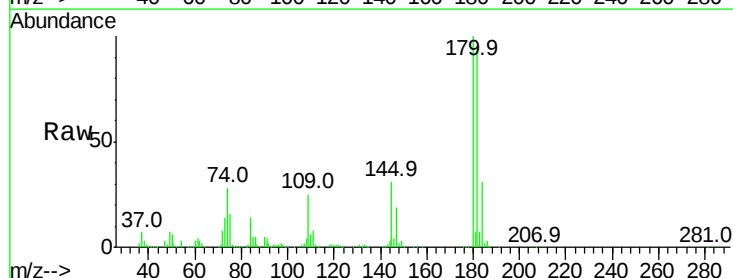
Tgt Ion:180 Resp: 364821

Ion Ratio Lower Upper

180 100

182 96.0 75.4 113.0

145 31.6 25.4 38.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

