

Data File : VW003347.D
Acq On : 20 Jun 2018 11:20
Operator : SY/AP
Sample : VSTD10090
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD10090

Quant Time: Jun 20 11:47:26 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	408221	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	384069	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	199315	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	499845	95.48	ug/L	0.00
7) Chloroethane-d5	2.89	69	428654	84.04	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	987031	94.23	ug/L	0.00
20) 2-Butanone-d5	7.09	46	377006	209.60	ug/L	0.00
24) Chloroform-d	7.65	84	915699	85.36	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	546230	85.19	ug/L	0.00
29) Benzene-d6	8.28	84	1782776	87.70	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	549084	85.38	ug/L	0.00
37) Toluene-d8	10.33	98	1771077	89.71	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.59	79	276414	90.69	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	307592	215.37	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.70	84	565229	90.66	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.87	152	632376	80.58	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	229111	134.885 ug/L	# 85
3) Chloromethane	2.21	50	398963	93.665 ug/L	99
5) Vinyl chloride	2.36	62	607948	91.973 ug/L	100
6) Bromomethane	2.78	94	369908	87.570 ug/L	99
8) Chloroethane	2.92	64	398511	90.136 ug/L	100
9) Trichlorofluoromethane	3.25	101	360847	84.307 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	493349	96.761 ug/L	99
12) 1,1-Dichloroethene	4.03	96	477845	98.880 ug/L	98
13) Acetone	4.14	43	376532	205.237 ug/L	98
14) Carbon disulfide	4.37	76	1493614	95.315 ug/L	99
15) Methyl Acetate	4.68	43	335237	117.310 ug/L	100
16) Methylene chloride	4.91	84	470619	75.570 ug/L	95
17) Methyl tert-butyl Ether	5.43	73	950162	103.491 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	503079	98.984 ug/L	96
19) 1,1-Dichloroethane	6.21	63	930475	100.565 ug/L	99
21) 2-Butanone	7.18	43	488378	234.438 ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	557005	103.569 ug/L	97
23) Bromochloromethane	7.51	128	243685	95.449 ug/L	97
25) Chloroform	7.68	83	953811	97.586 ug/L	99
27) 1,2-Dichloroethane	8.40	62	699834	99.695 ug/L	100
30) Cyclohexane	7.96	56	918134	108.054 ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	790265	97.644 ug/L	99
32) Carbon tetrachloride	8.07	117	792155	101.894 ug/L	99
34) Benzene	8.33	78	2091516	99.359 ug/L	100
35) Trichloroethene	9.09	95	562839	100.101 ug/L	99
36) Methylcyclohexane	9.34	83	1023094	105.851 ug/L	99
40) 1,2-Dichloropropane	9.37	63	541704	99.981 ug/L	99
41) Bromodichloromethane	9.65	83	715337	101.981 ug/L	99
42) cis-1,3-Dichloropropene	10.08	75	878202	105.019 ug/L	99
43) 4-Methyl-2-pentanone	10.22	43	981463	238.858 ug/L	99

Data File : VW003347.D
Acq On : 20 Jun 2018 11:20
Operator : SY/AP
Sample : VSTD10090
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD10090

Quant Time: Jun 20 11:47:26 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

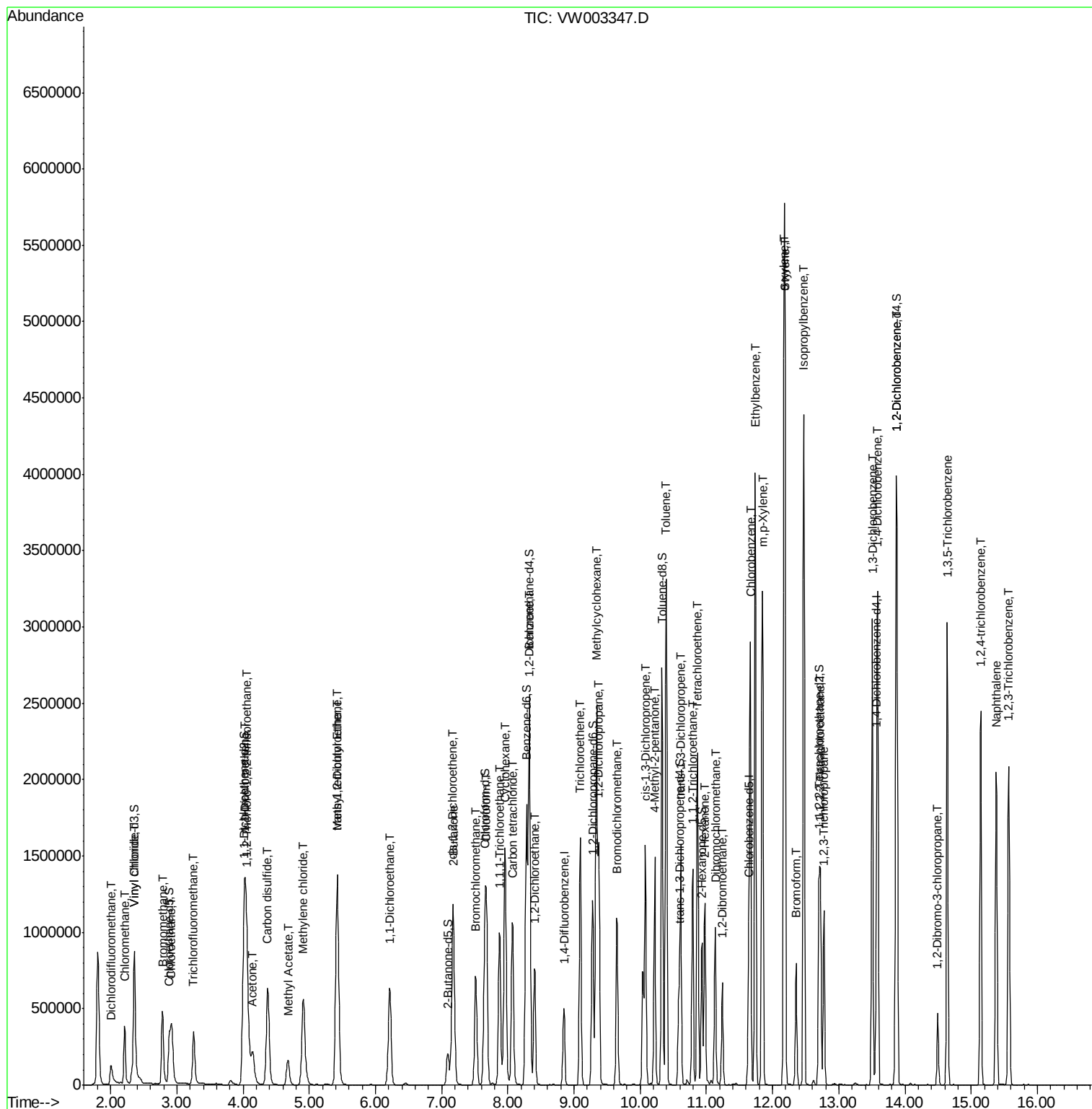
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	2335642	101.968	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	802484	106.654	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	423985	101.594	ug/L	99
47) Tetrachloroethene	10.87	164	468516	99.351	ug/L	99
49) 2-Hexanone	10.98	43	743907	250.706	ug/L	99
50) Dibromochloromethane	11.13	129	530128	104.306	ug/L	97
51) 1,2-Dibromoethane	11.24	107	432411	104.598	ug/L	99
52) Chlorobenzene	11.66	112	1475848	98.663	ug/L	100
53) Ethylbenzene	11.74	91	2728123	105.057	ug/L	99
54) m,p-Xylene	11.85	106	1017431	105.939	ug/L	98
55) o-xylene	12.17	106	990246	108.418	ug/L	100
56) Styrene	12.19	104	1732106	108.840	ug/L	99
57) Isopropylbenzene	12.47	105	2774300	108.824	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	601593	108.876	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	462328	109.863	ug/L	99
62) Bromoform	12.35	173	356476	109.712	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	1186626	100.093	ug/L	100
64) 1,4-Dichlorobenzene	13.59	146	1200219	96.853	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	1106919	98.764	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	115699	120.435	ug/L	86
67) 1,3,5-Trichlorobenzene	14.64	180	902205	97.177	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	762546	100.400	ug/L	99
69) Naphthalene	15.38	128	1688570	117.021	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	694996	98.501	ug/L	99

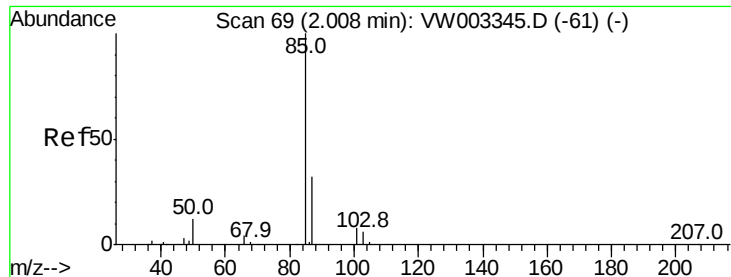
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VW003347.D
Acq On : 20 Jun 2018 11:20
Operator : SY/AP
Sample : VSTD10090
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD10090

Quant Time: Jun 20 11:47:26 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





#2

Dichlorodifluoromethane

Concen: 134.885 ug/L

RT: 2.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VW003347.D

Acq: 20 Jun 2018 11:20

Instrument :

MSVOA_W

ClientSampleId :

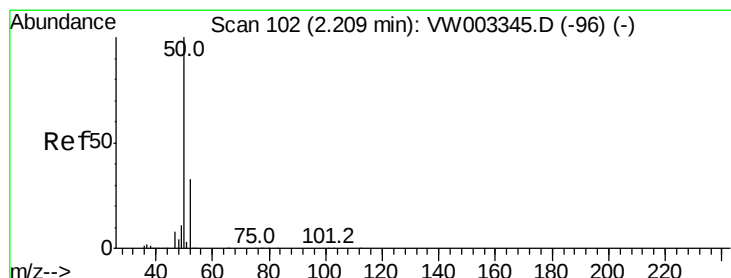
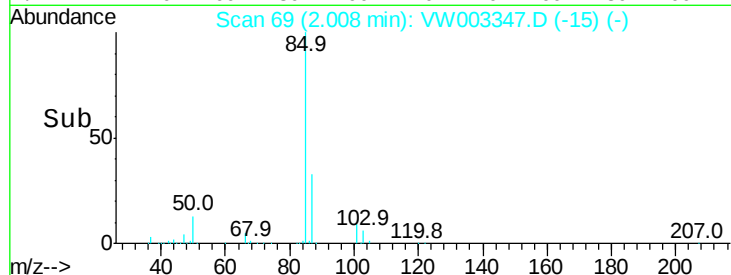
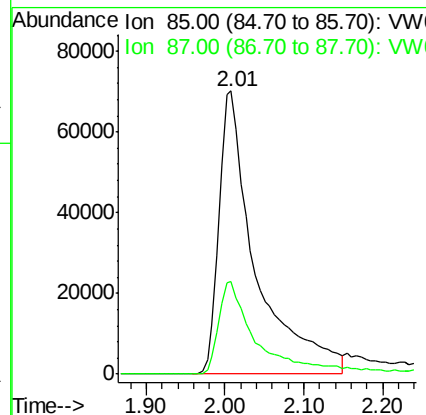
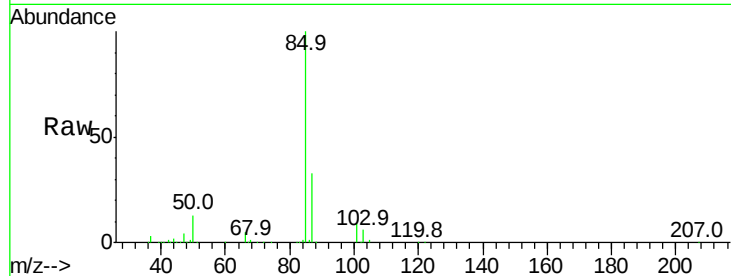
VSTD10090

Tgt Ion: 85 Resp: 229111

Ion Ratio Lower Upper

85 100

87 32.0 17.1 31.7#



#3

Chloromethane

Concen: 93.665 ug/L

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW003347.D

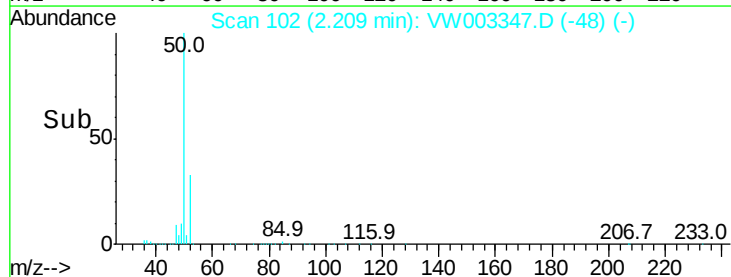
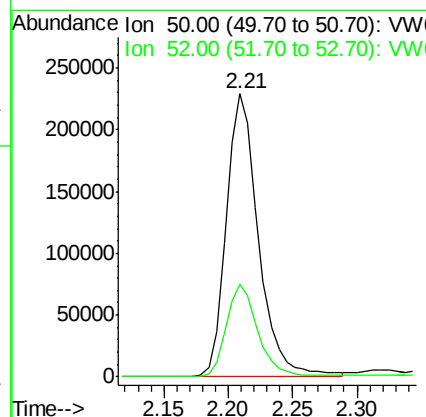
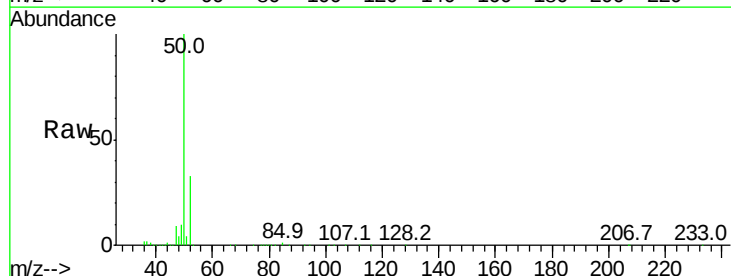
Acq: 20 Jun 2018 11:20

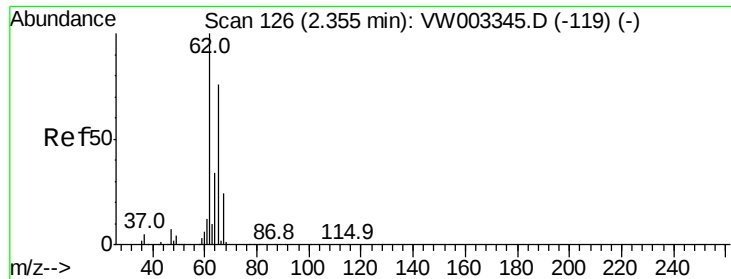
Tgt Ion: 50 Resp: 398963

Ion Ratio Lower Upper

50 100

52 32.9 23.3 43.3





#5

Vinyl chloride

Concen: 91.973 ug/L

RT: 2.36 min Scan# 127

Delta R.T. 0.01 min

Lab File: VW003347.D

Acq: 20 Jun 2018 11:20

Instrument :

MSVOA_W

ClientSampleId :

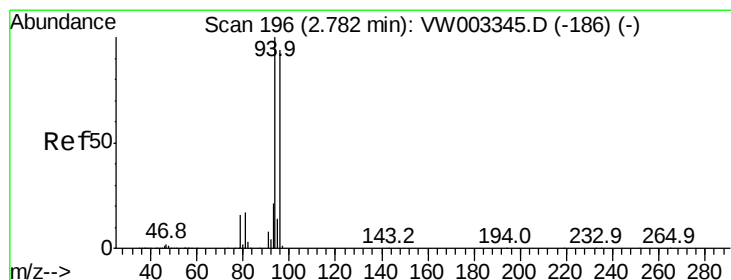
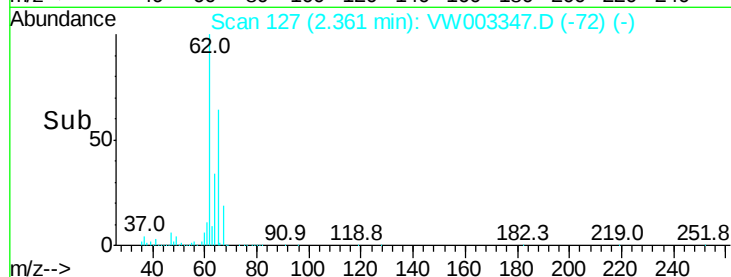
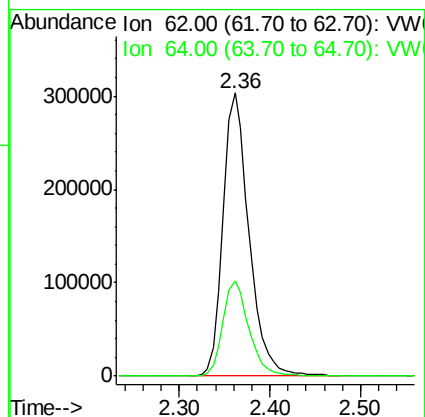
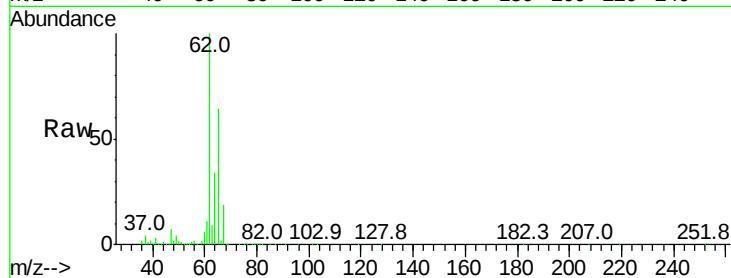
VSTD10090

Tgt Ion: 62 Resp: 607948

Ion Ratio Lower Upper

62 100

64 33.5 23.5 43.7



#6

Bromomethane

Concen: 87.570 ug/L

RT: 2.78 min Scan# 196

Delta R.T. 0.00 min

Lab File: VW003347.D

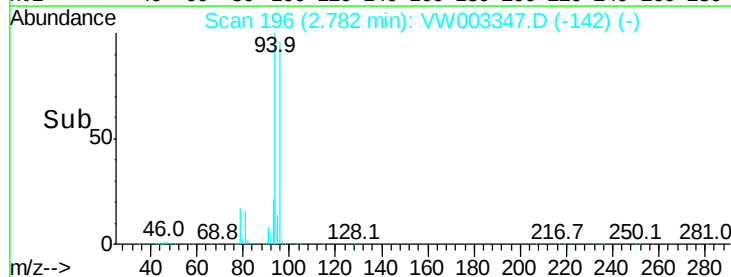
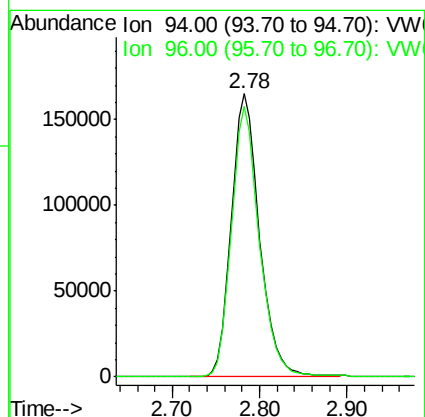
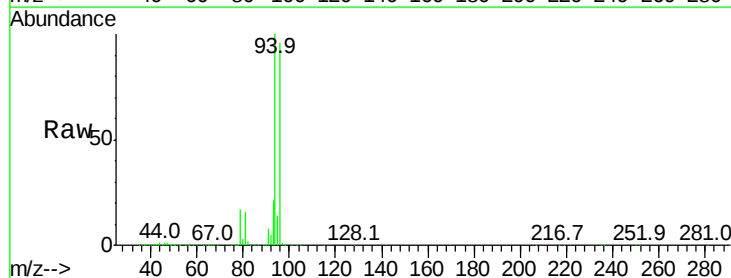
Acq: 20 Jun 2018 11:20

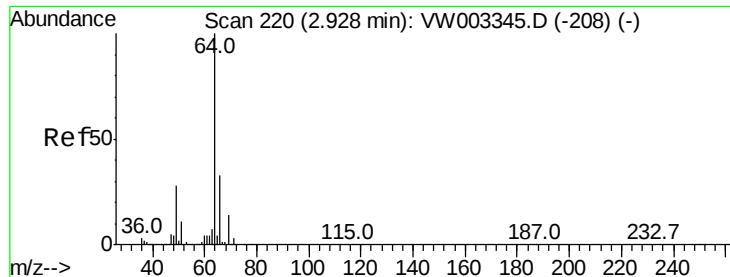
Tgt Ion: 94 Resp: 369908

Ion Ratio Lower Upper

94 100

96 94.4 9.5 180.3





#8

Chloroethane

Concen: 90.136 ug/L

RT: 2.92 min Scan# 219

Delta R.T. -0.01 min

Lab File: VW003347.D

Acq: 20 Jun 2018 11:20

Instrument :

MSVOA_W

ClientSampleId :

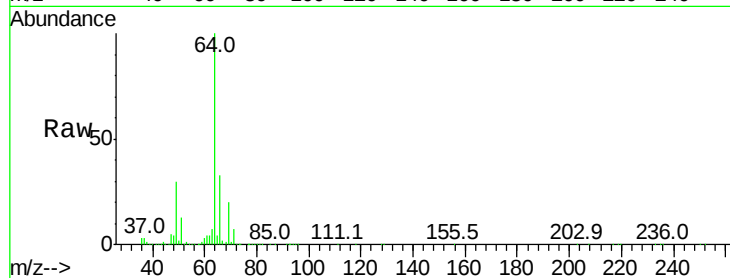
VSTD10090

Tgt Ion: 64 Resp: 398511

Ion Ratio Lower Upper

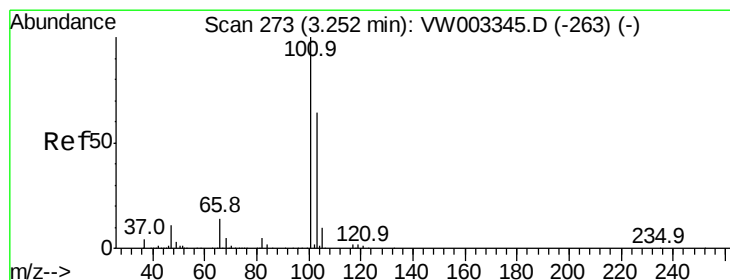
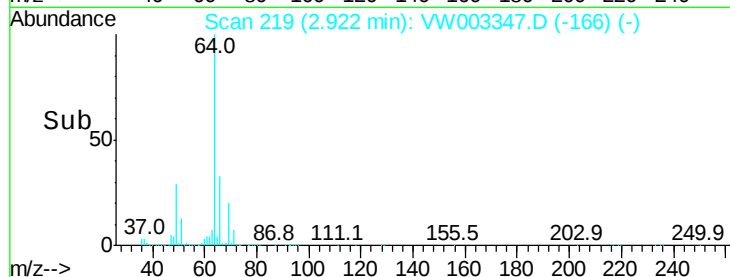
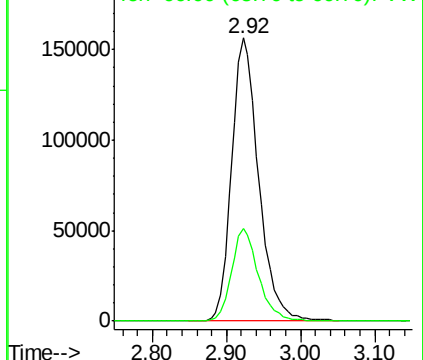
64 100

66 32.6 22.9 42.5



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 84.307 ug/L

RT: 3.25 min Scan# 273

Delta R.T. 0.00 min

Lab File: VW003347.D

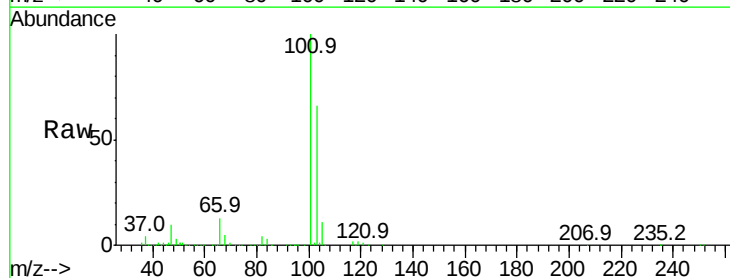
Acq: 20 Jun 2018 11:20

Tgt Ion: 101 Resp: 360847

Ion Ratio Lower Upper

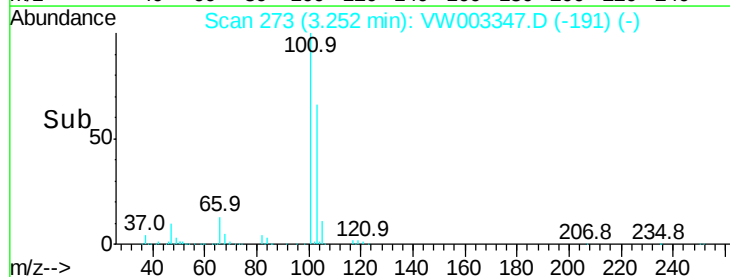
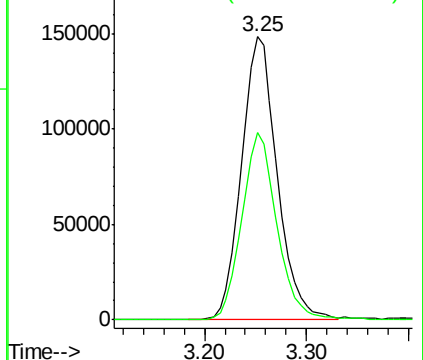
101 100

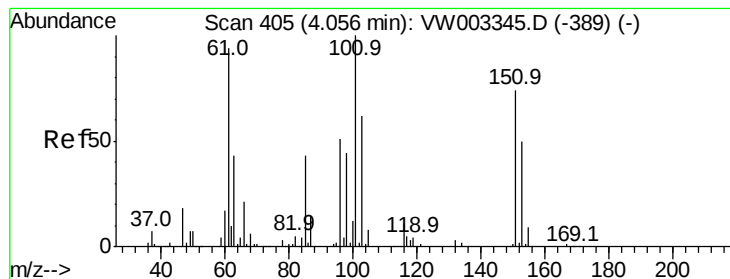
103 64.9 45.1 83.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 96.761 ug/L

RT: 4.06 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW003347.D

Acq: 20 Jun 2018 11:20

Instrument :

MSVOA_W

ClientSampleId :

VSTD10090

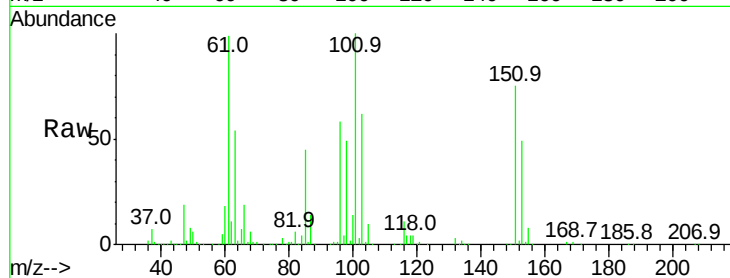
Tgt Ion:101 Resp: 493349

Ion Ratio Lower Upper

101 100

85 45.5 35.4 53.0

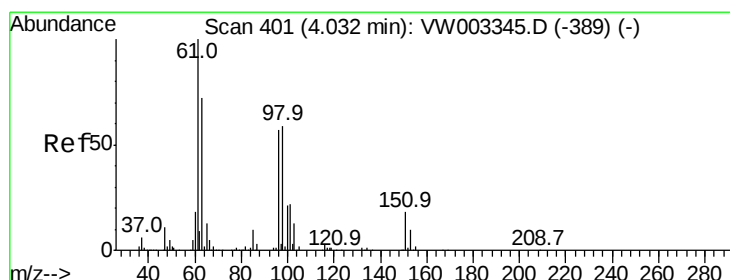
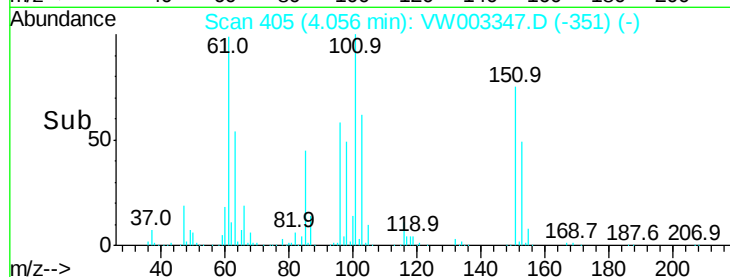
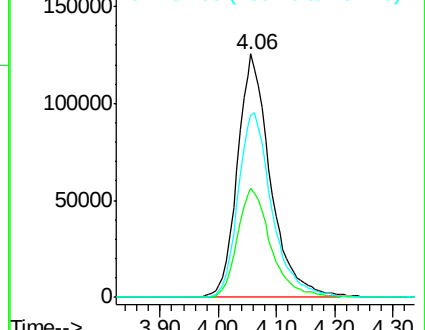
151 77.7 61.4 92.0



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: 98.880 ug/L

RT: 4.03 min Scan# 401

Delta R.T. 0.00 min

Lab File: VW003347.D

Acq: 20 Jun 2018 11:20

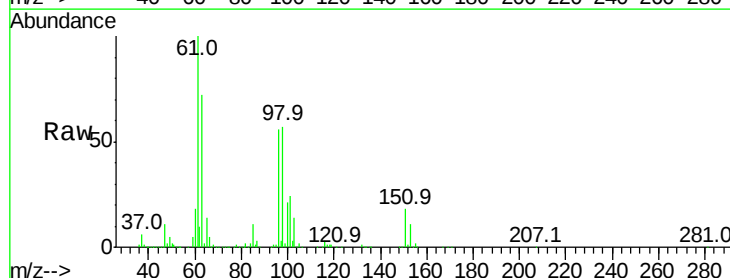
Tgt Ion: 96 Resp: 477845

Ion Ratio Lower Upper

96 100

61 179.1 124.1 230.5

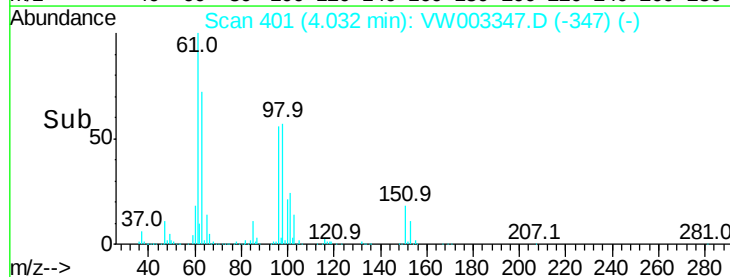
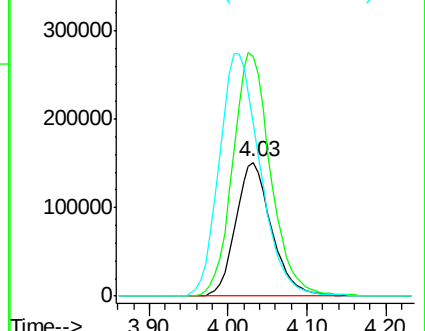
63 129.4 93.1 172.9

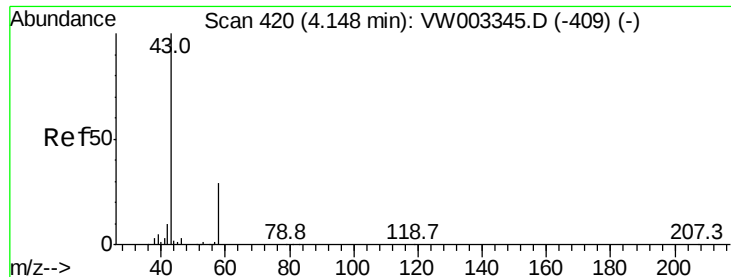


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 205.237 ug/L

RT: 4.14 min Scan# 419

Delta R.T. -0.01 min

Lab File: VW003347.D

Acq: 20 Jun 2018 11:20

Instrument :

MSVOA_W

ClientSampleId :

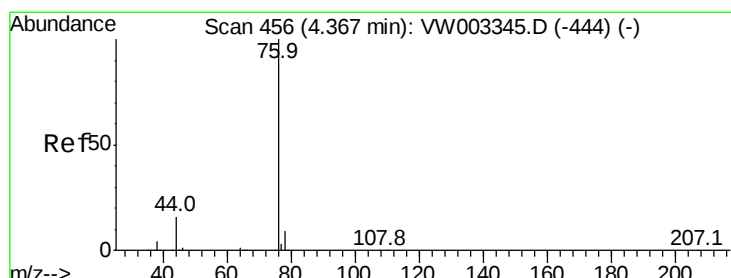
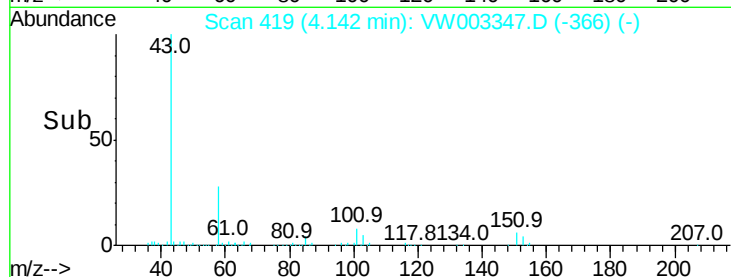
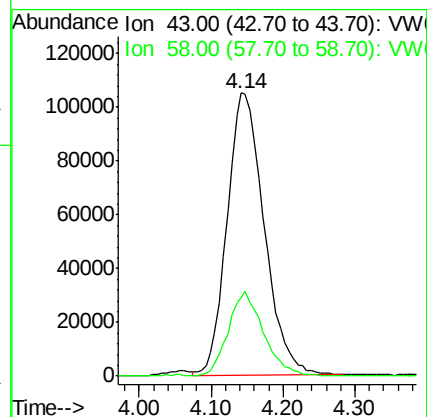
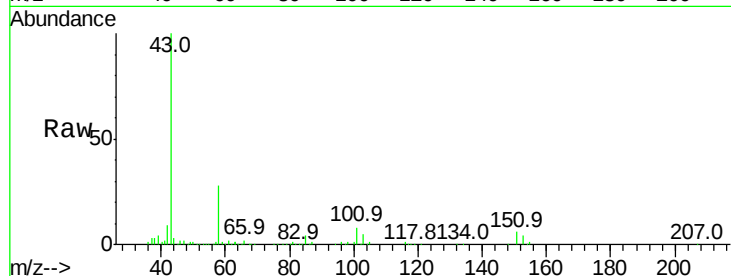
VSTD10090

Tgt Ion: 43 Resp: 376532

Ion Ratio Lower Upper

43 100

58 28.4 0.0 58.6



#14

Carbon disulfide

Concen: 95.315 ug/L

RT: 4.37 min Scan# 457

Delta R.T. 0.01 min

Lab File: VW003347.D

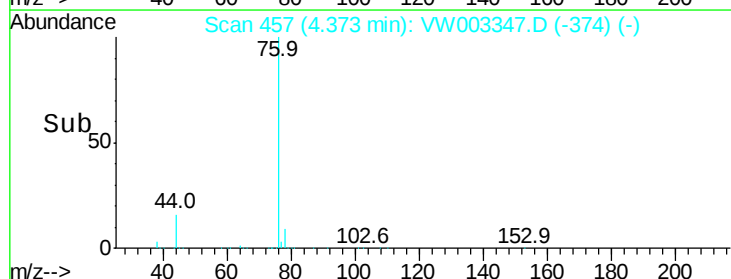
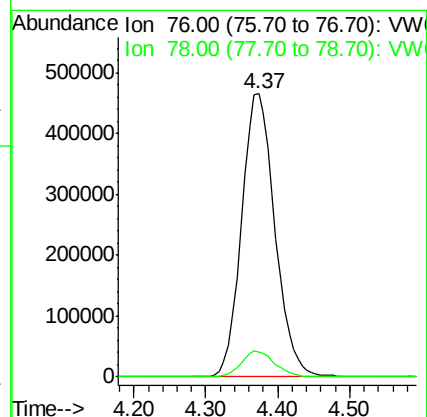
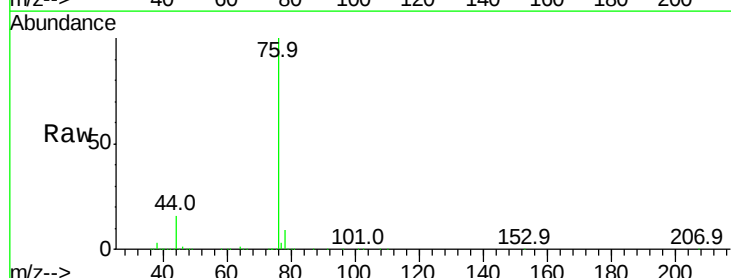
Acq: 20 Jun 2018 11:20

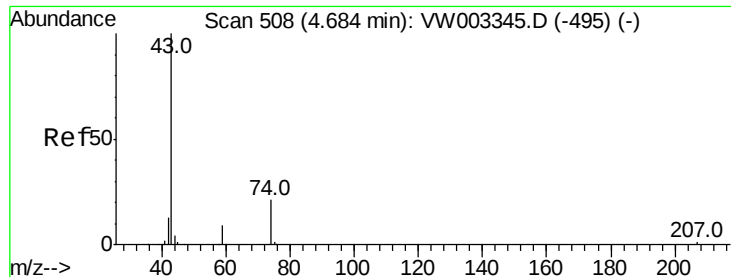
Tgt Ion: 76 Resp: 1493614

Ion Ratio Lower Upper

76 100

78 8.8 7.3 10.9





#15

Methyl Acetate

Concen: 117.310 ug/L

RT: 4.68 min Scan# 507

Delta R.T. -0.01 min

Lab File: VW003347.D

Acq: 20 Jun 2018 11:20

Instrument :

MSVOA_W

ClientSampleId :

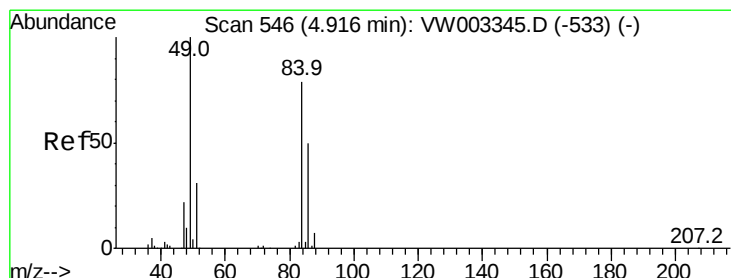
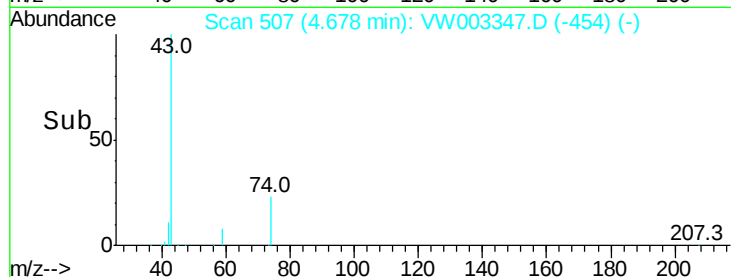
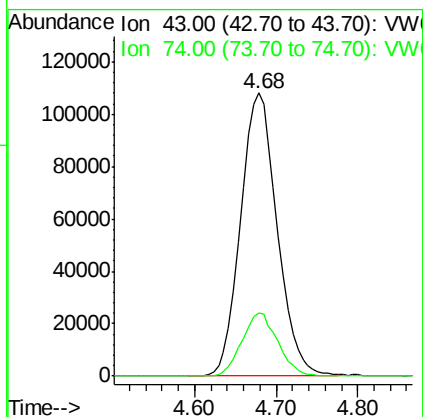
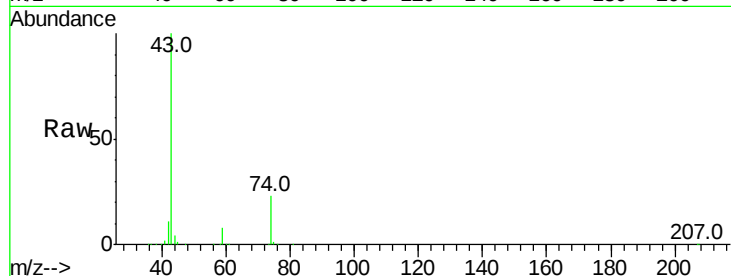
VSTD10090

Tgt Ion: 43 Resp: 335237

Ion Ratio Lower Upper

43 100

74 22.0 17.5 26.3



#16

Methylene chloride

Concen: 75.570 ug/L

RT: 4.91 min Scan# 545

Delta R.T. -0.01 min

Lab File: VW003347.D

Acq: 20 Jun 2018 11:20

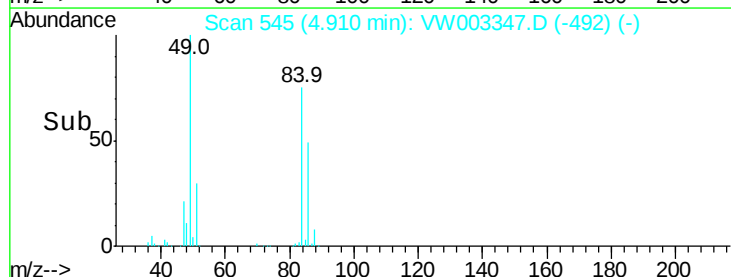
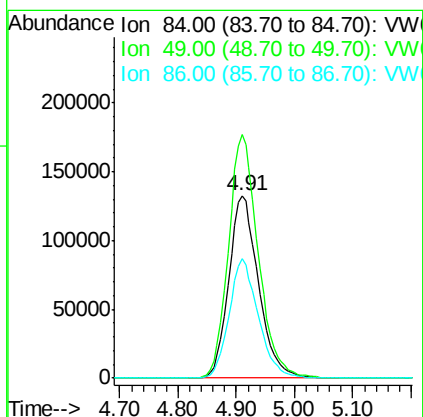
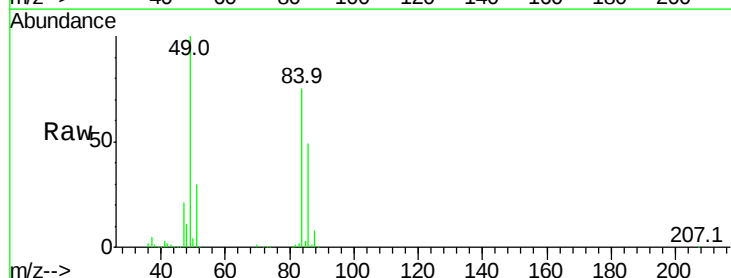
Tgt Ion: 84 Resp: 470619

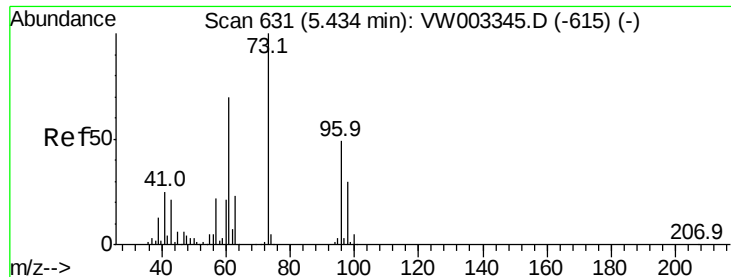
Ion Ratio Lower Upper

84 100

49 133.6 88.7 164.7

86 65.7 44.2 82.0

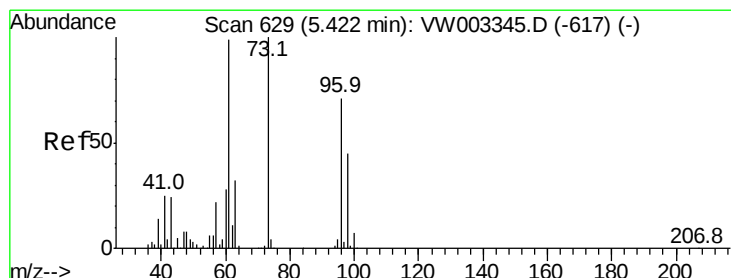
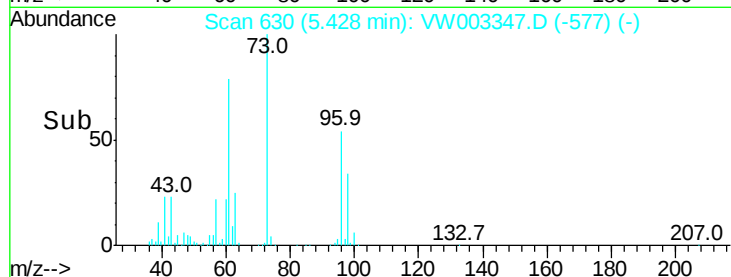
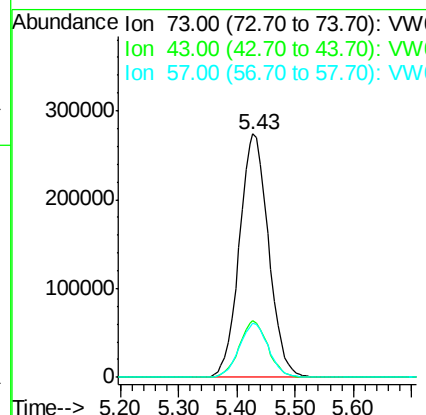
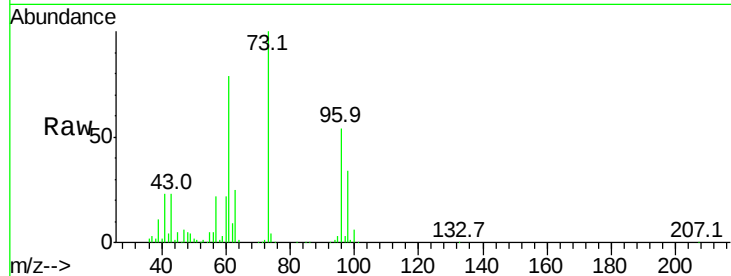




#17
Methyl tert-butyl Ether
Concen: 103.491 ug/L
RT: 5.43 min Scan# 630
Delta R.T. -0.01 min
Lab File: VW003347.D
Acq: 20 Jun 2018 11:20

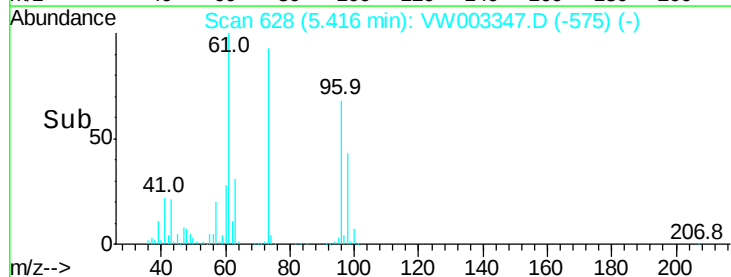
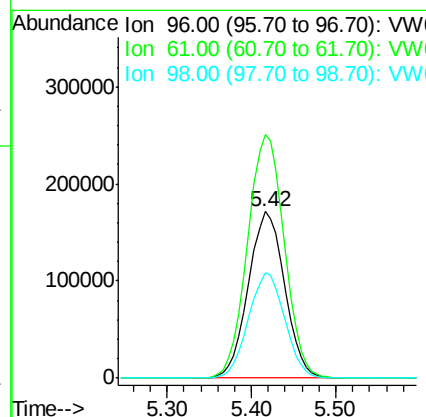
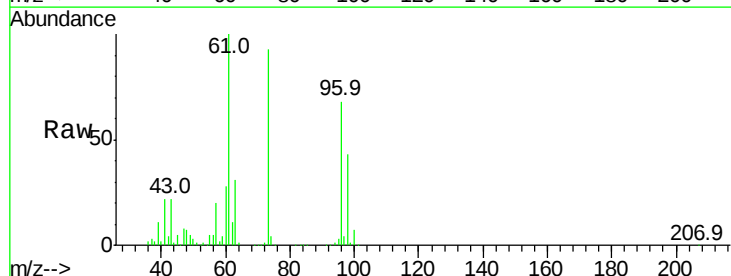
Instrument :
MSVOA_W
ClientSampleId :
VSTD10090

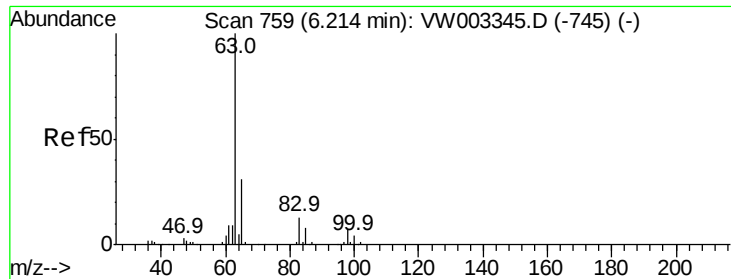
Tgt Ion: 73 Resp: 950162
Ion Ratio Lower Upper
73 100
43 22.7 18.6 27.8
57 22.3 18.1 27.1



#18
trans-1,2-Dichloroethene
Concen: 98.984 ug/L
RT: 5.42 min Scan# 628
Delta R.T. -0.01 min
Lab File: VW003347.D
Acq: 20 Jun 2018 11:20

Tgt Ion: 96 Resp: 503079
Ion Ratio Lower Upper
96 100
61 146.3 98.0 182.0
98 63.4 44.2 82.2

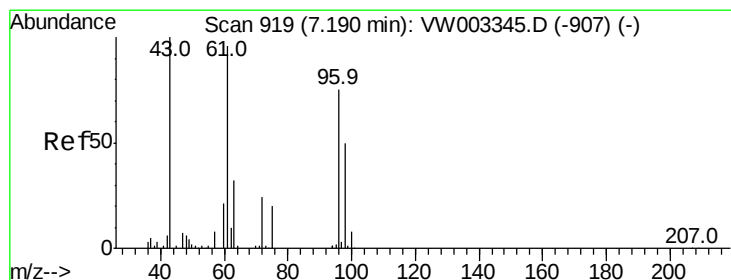
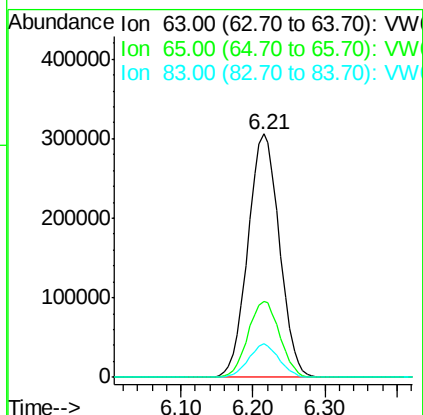
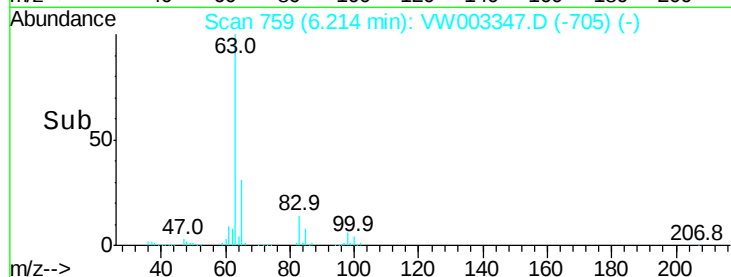
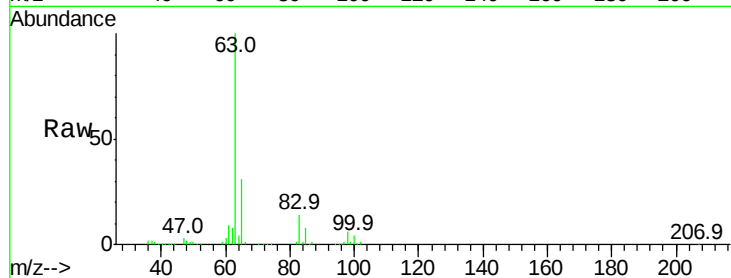




#19
 1,1-Dichloroethane
 Concen: 100.565 ug/L
 RT: 6.21 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: VW003347.D
 Acq: 20 Jun 2018 11:20

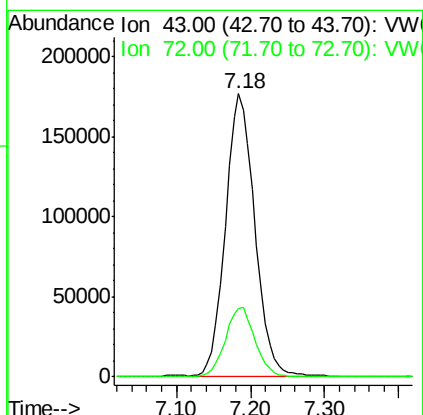
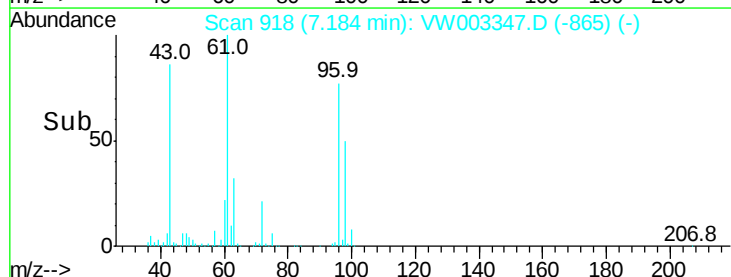
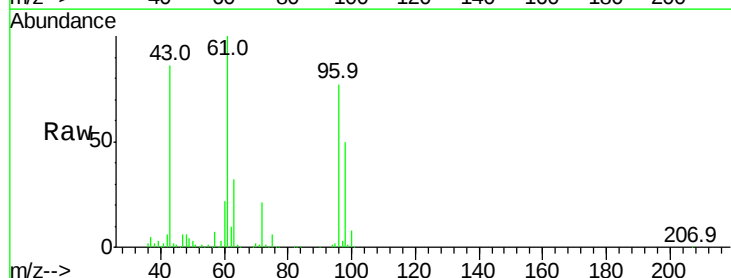
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10090

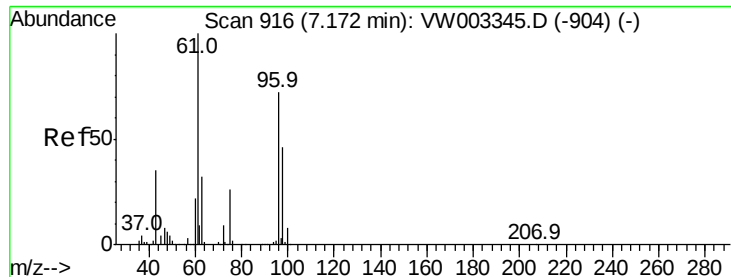
Tgt Ion: 63 Resp: 930475
 Ion Ratio Lower Upper
 63 100
 65 31.3 21.8 40.4
 83 13.7 9.0 16.6



#21
 2-Butanone
 Concen: 234.438 ug/L
 RT: 7.18 min Scan# 918
 Delta R.T. -0.01 min
 Lab File: VW003347.D
 Acq: 20 Jun 2018 11:20

Tgt Ion: 43 Resp: 488378
 Ion Ratio Lower Upper
 43 100
 72 24.8 12.5 37.5



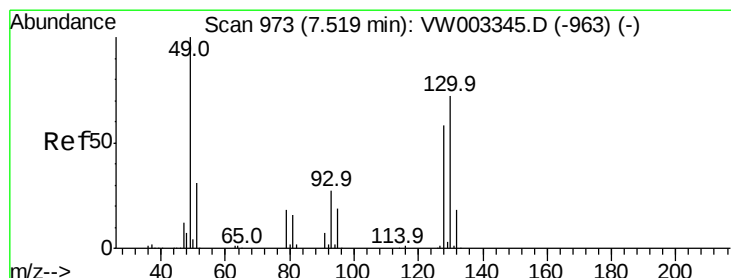
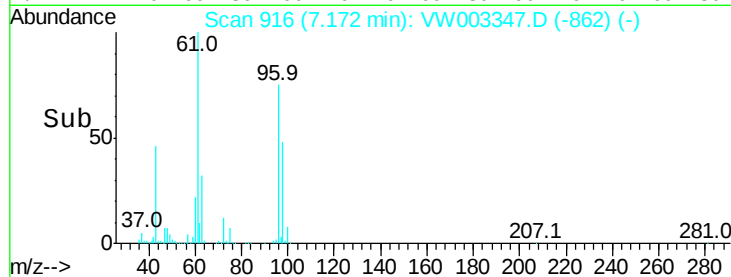
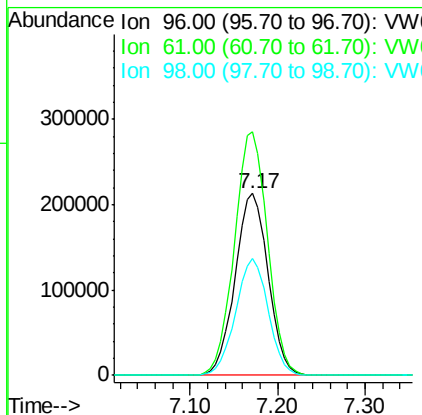
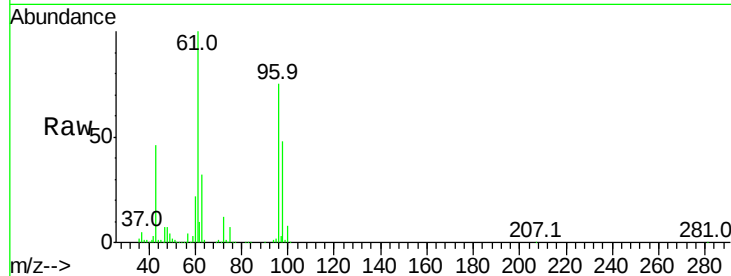


#22

cis-1,2-Dichloroethene
Concen: 103.569 ug/L
RT: 7.17 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW003347.D
Acq: 20 Jun 2018 11:20

Instrument :
MSVOA_W
ClientSampleId :
VSTD10090

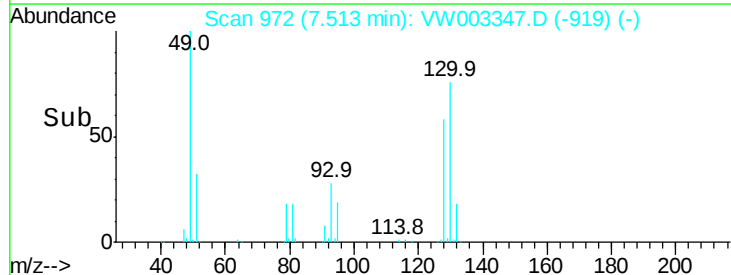
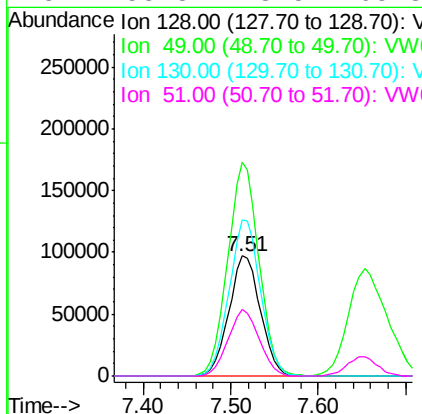
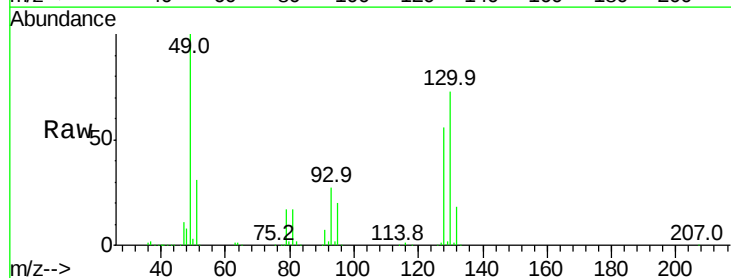
Tgt Ion: 96 Resp: 557005
Ion Ratio Lower Upper
96 100
61 134.0 97.7 181.5
98 64.6 45.0 83.6

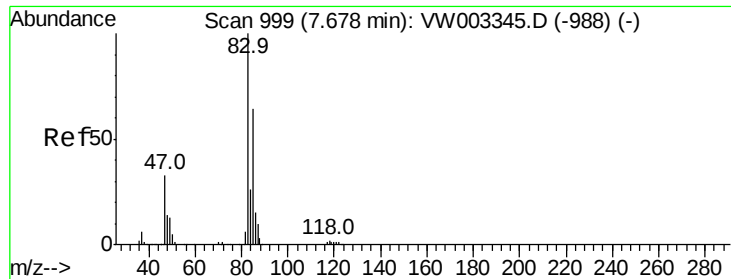


#23

Bromochloromethane
Concen: 95.449 ug/L
RT: 7.51 min Scan# 972
Delta R.T. -0.01 min
Lab File: VW003347.D
Acq: 20 Jun 2018 11:20

Tgt Ion: 128 Resp: 243685
Ion Ratio Lower Upper
128 100
49 177.9 122.0 226.6
130 130.1 88.1 163.5
51 55.8 43.5 65.3





#25

Chloroform

Concen: 97.586 ug/L

RT: 7.68 min Scan# 999

Delta R.T. 0.00 min

Lab File: VW003347.D

Acq: 20 Jun 2018 11:20

Instrument :

MSVOA_W

ClientSampleId :

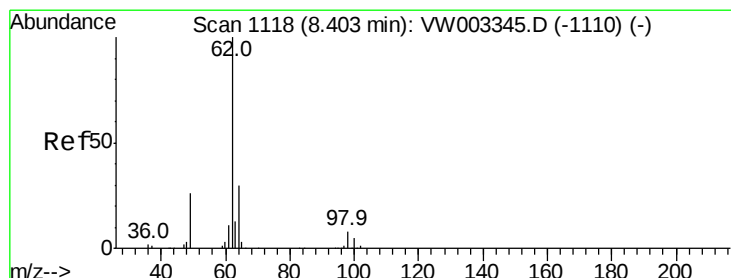
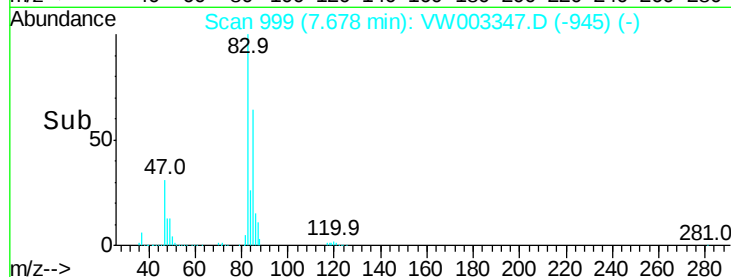
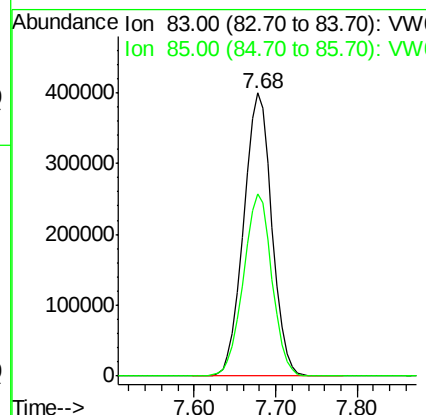
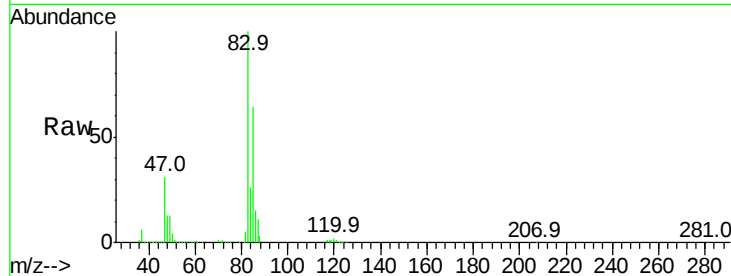
VSTD10090

Tgt Ion: 83 Resp: 953811

Ion Ratio Lower Upper

83 100

85 65.4 46.1 85.5



#27

1,2-Dichloroethane

Concen: 99.695 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW003347.D

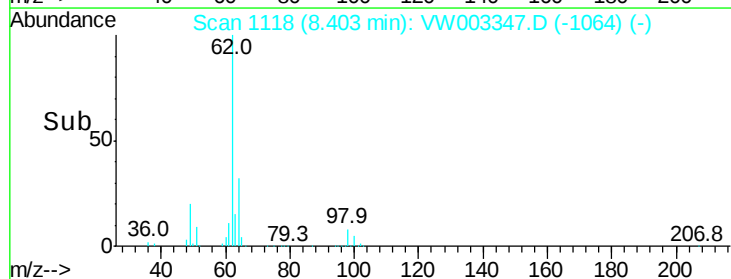
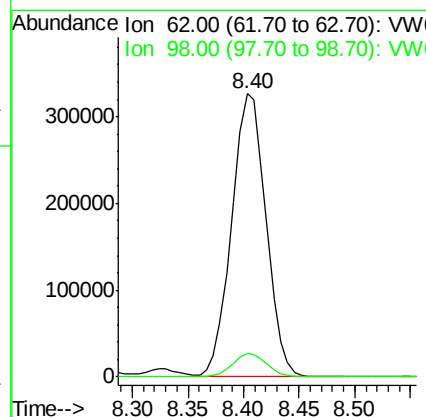
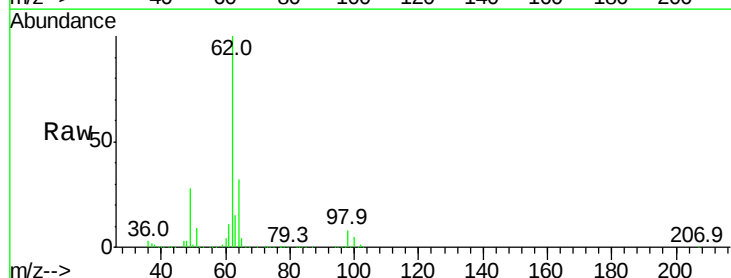
Acq: 20 Jun 2018 11:20

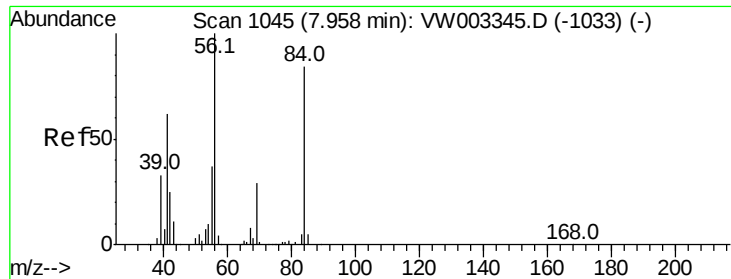
Tgt Ion: 62 Resp: 699834

Ion Ratio Lower Upper

62 100

98 8.2 6.5 9.7

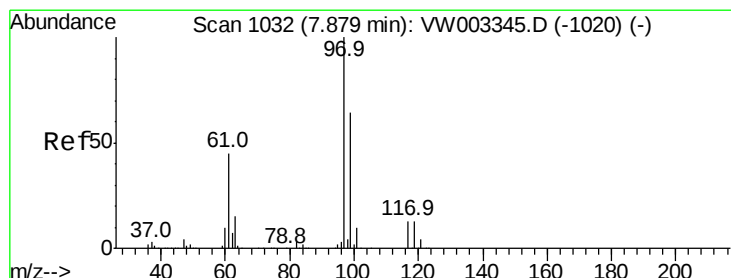
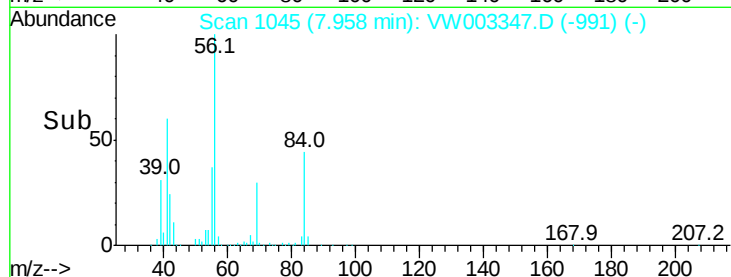
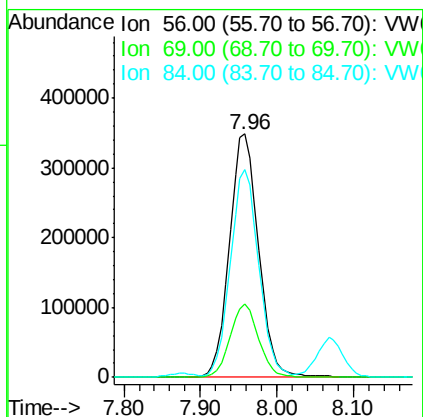
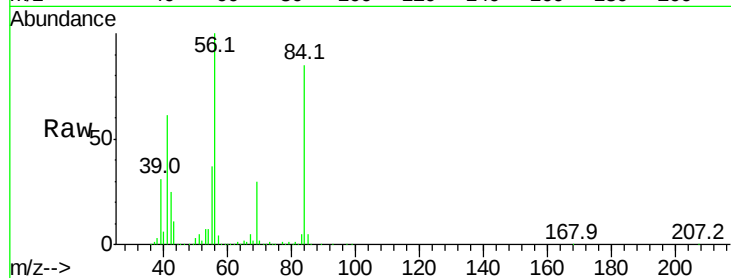




#30
Cyclohexane
Concen: 108.054 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VW003347.D
Acq: 20 Jun 2018 11:20

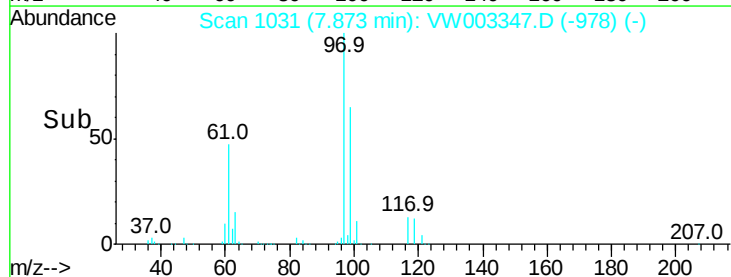
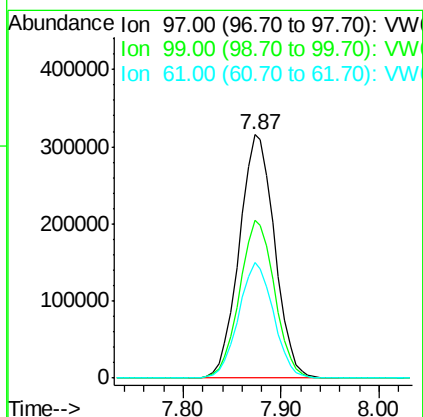
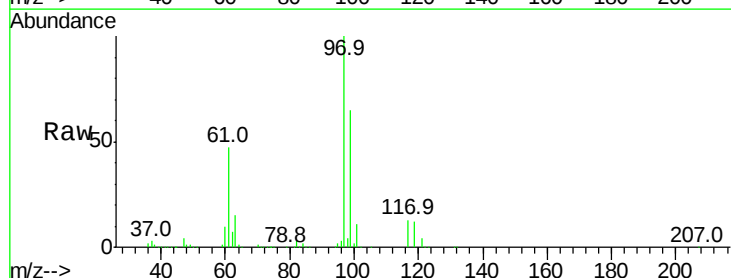
Instrument :
MSVOA_W
ClientSampleId :
VSTD10090

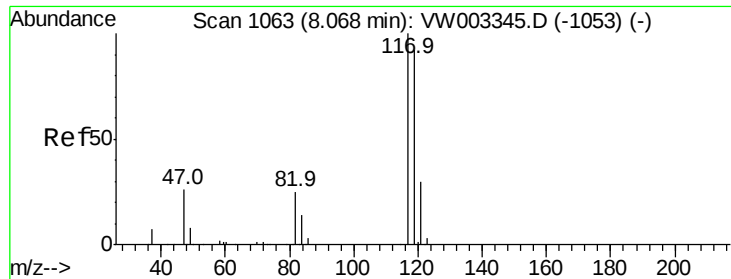
Tgt Ion: 56 Resp: 918134
Ion Ratio Lower Upper
56 100
69 29.4 23.4 35.2
84 83.5 67.4 101.0



#31
1,1,1-Trichloroethane
Concen: 97.644 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VW003347.D
Acq: 20 Jun 2018 11:20

Tgt Ion: 97 Resp: 790265
Ion Ratio Lower Upper
97 100
99 64.2 50.9 76.3
61 46.8 37.7 56.5





#32

Carbon tetrachloride

Concen: 101.894 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VW003347.D

Acq: 20 Jun 2018 11:20

Instrument :

MSVOA_W

ClientSampleId :

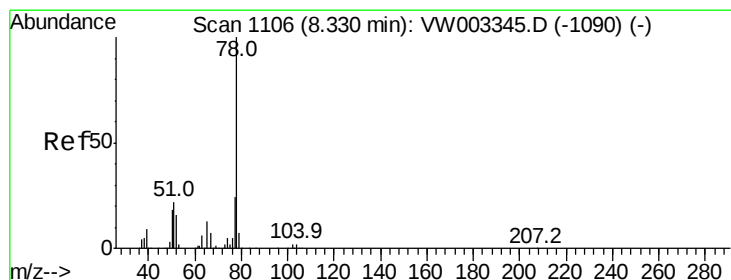
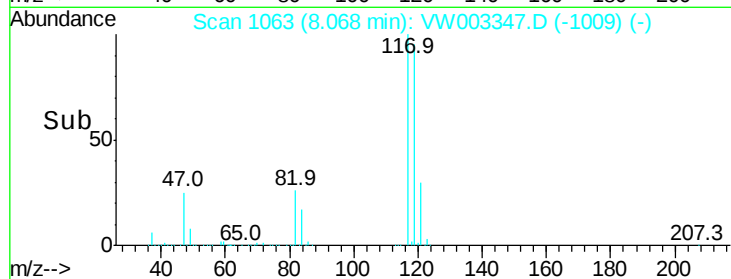
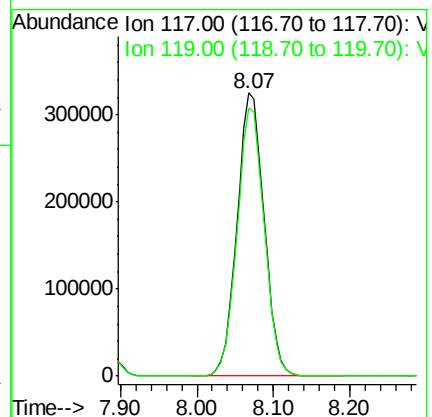
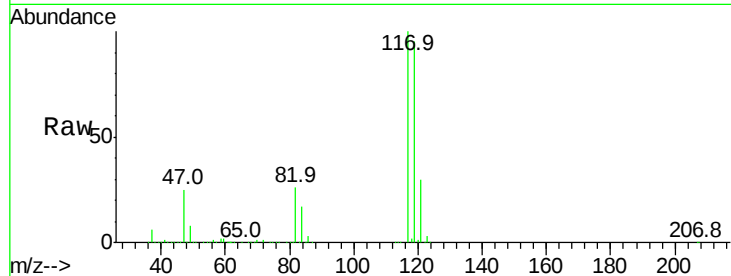
VSTD10090

Tgt Ion:117 Resp: 792155

Ion Ratio Lower Upper

117 100

119 95.2 76.6 114.8



#34

Benzene

Concen: 99.359 ug/L

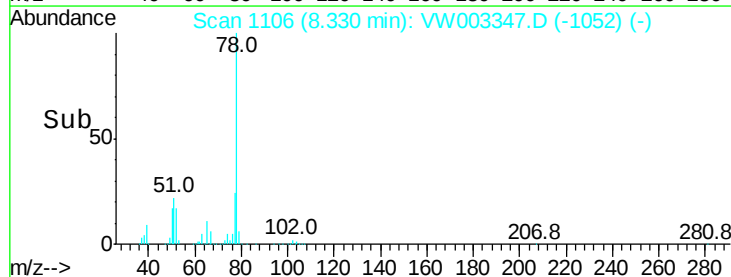
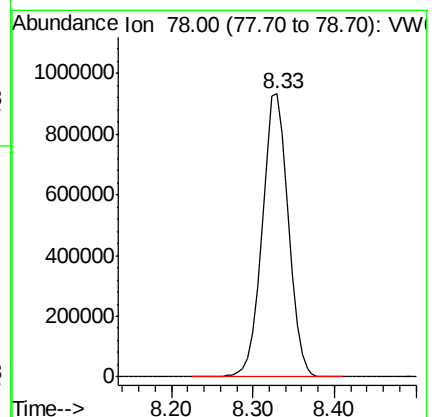
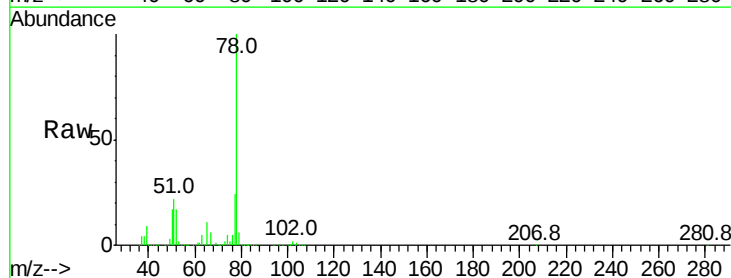
RT: 8.33 min Scan# 1106

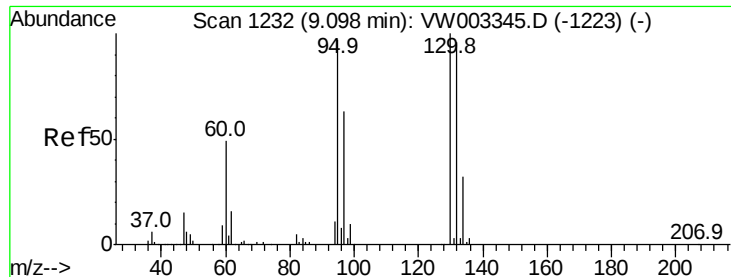
Delta R.T. 0.00 min

Lab File: VW003347.D

Acq: 20 Jun 2018 11:20

Tgt Ion: 78 Resp: 2091516

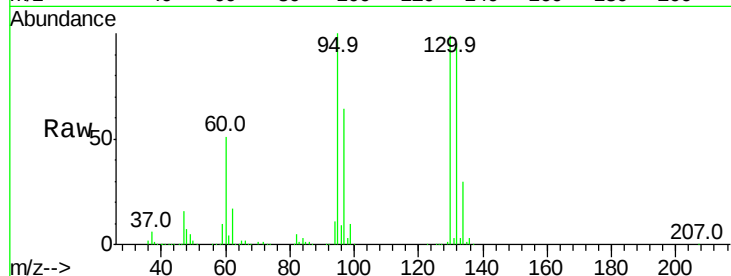




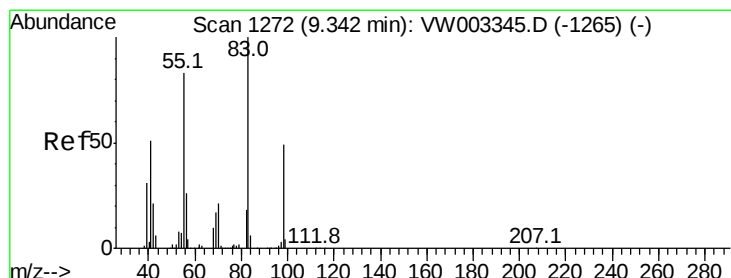
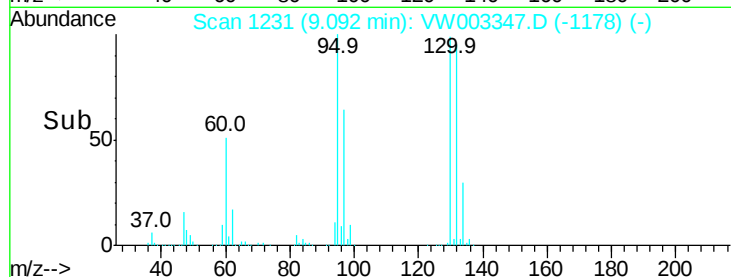
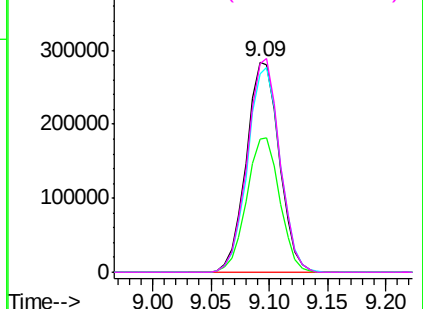
#35
 Trichloroethene
 Concen: 100.101 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VW003347.D
 Acq: 20 Jun 2018 11:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10090

Tgt Ion:	95	Resp:	562839
Ion	Ratio	Lower	Upper
95	100		
97	64.3	45.6	84.6
132	96.2	67.8	125.8
130	99.8	70.6	131.0

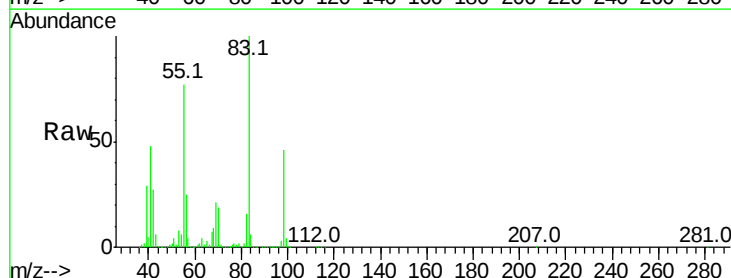


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

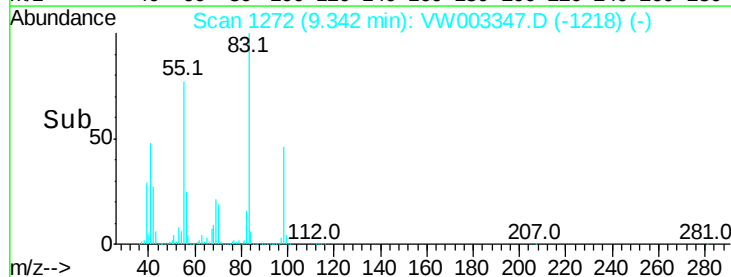
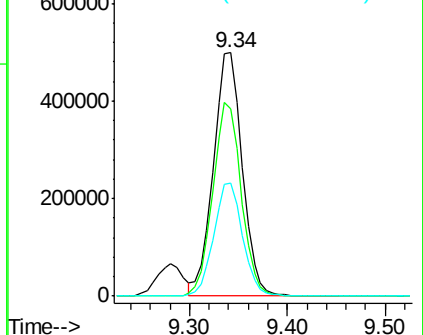


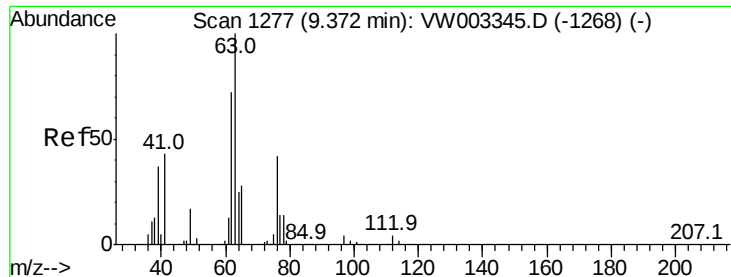
#36
 Methylcyclohexane
 Concen: 105.851 ug/L
 RT: 9.34 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VW003347.D
 Acq: 20 Jun 2018 11:20

Tgt Ion:	83	Resp:	1023094
Ion	Ratio	Lower	Upper
83	100		
55	78.7	63.9	95.9
98	46.2	37.1	55.7



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW

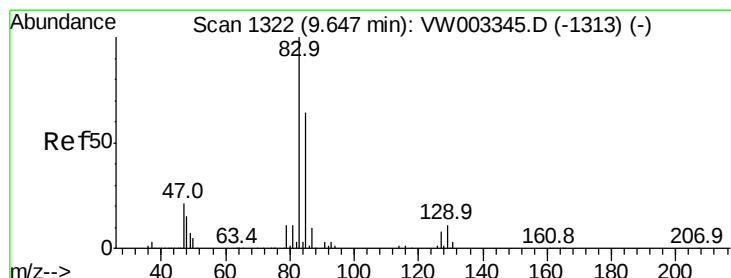
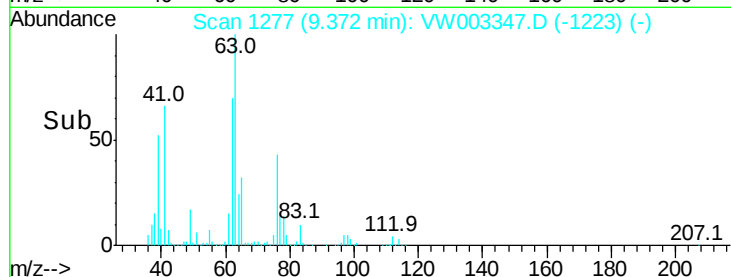
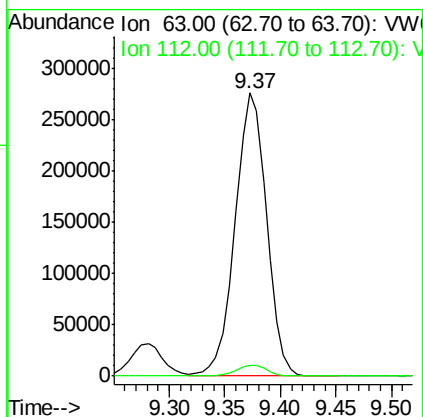
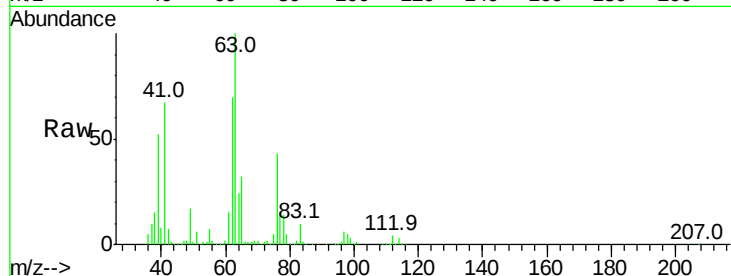




#40
 1,2-Dichloropropane
 Concen: 99.981 ug/L
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW003347.D
 Acq: 20 Jun 2018 11:20

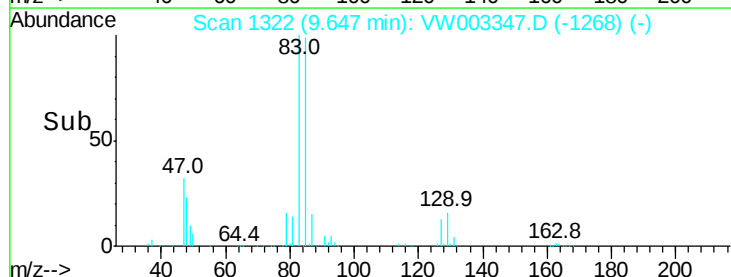
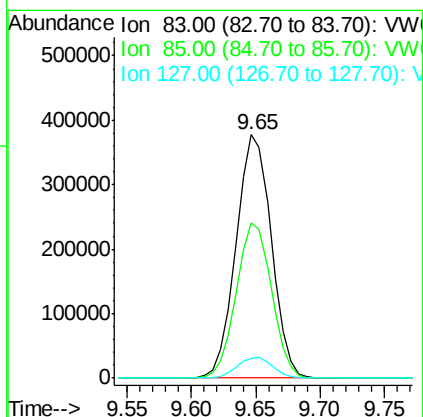
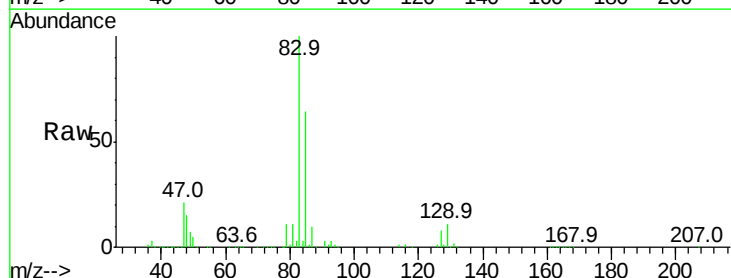
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10090

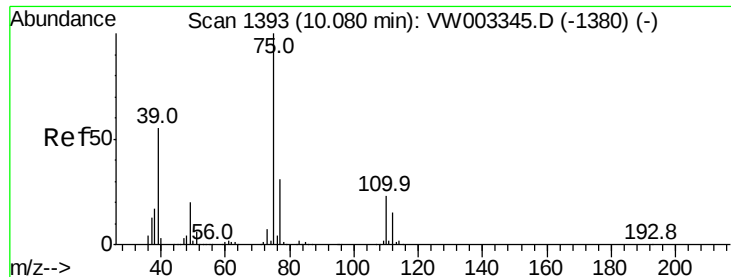
Tgt Ion: 63 Resp: 541704
 Ion Ratio Lower Upper
 63 100
 112 3.9 3.4 5.0



#41
 Bromodichloromethane
 Concen: 101.981 ug/L
 RT: 9.65 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VW003347.D
 Acq: 20 Jun 2018 11:20

Tgt Ion: 83 Resp: 715337
 Ion Ratio Lower Upper
 83 100
 85 63.6 44.7 83.1
 127 8.3 6.2 9.2





#42

cis-1,3-Dichloropropene

Concen: 105.019 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW003347.D

Acq: 20 Jun 2018 11:20

Instrument :

MSVOA_W

ClientSampleId :

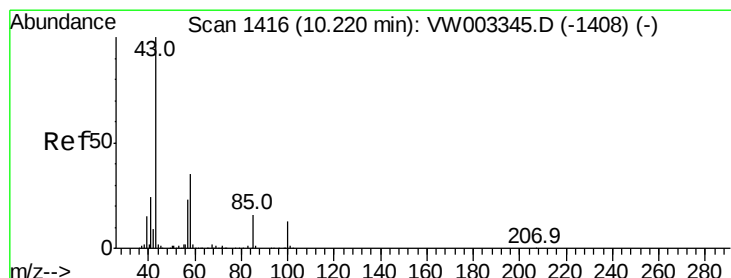
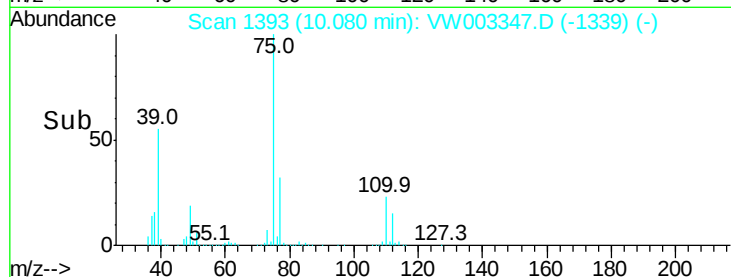
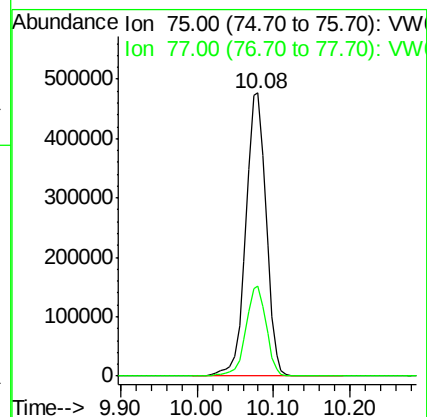
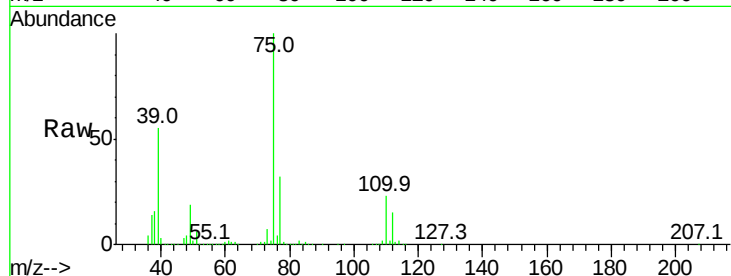
VSTD10090

Tgt Ion: 75 Resp: 878202

Ion Ratio Lower Upper

75 100

77 31.8 21.8 40.6



#43

4-Methyl-2-pentanone

Concen: 238.858 ug/L

RT: 10.22 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VW003347.D

Acq: 20 Jun 2018 11:20

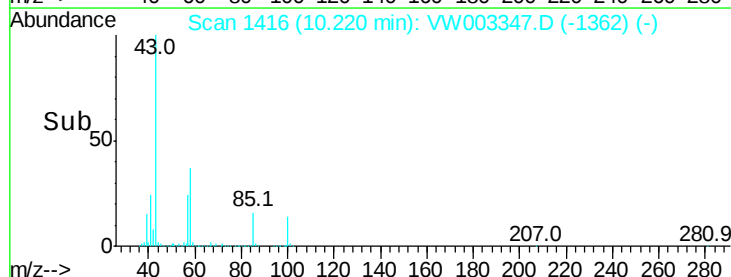
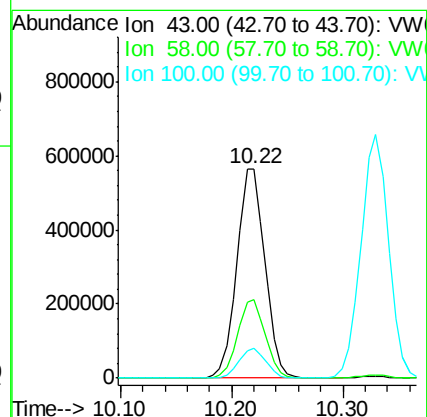
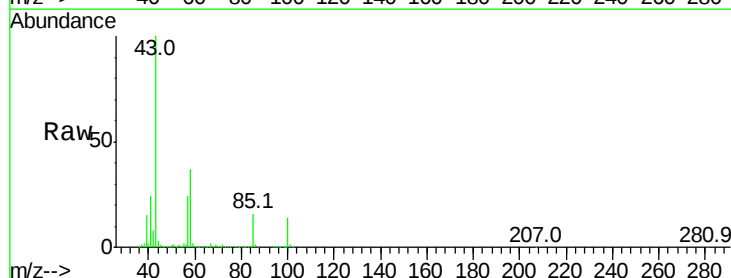
Tgt Ion: 43 Resp: 981463

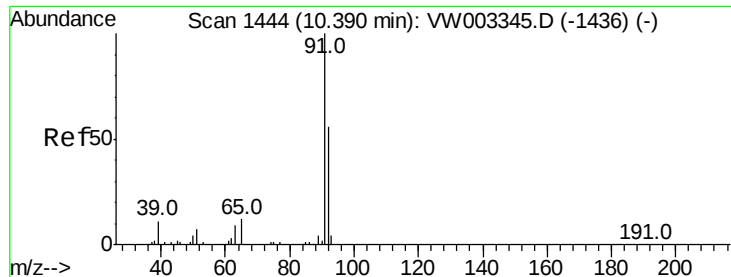
Ion Ratio Lower Upper

43 100

58 36.9 28.7 43.1

100 13.6 11.1 16.7





#44

Toluene

Concen: 101.968 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003347.D

Acq: 20 Jun 2018 11:20

Instrument :

MSVOA_W

ClientSampleId :

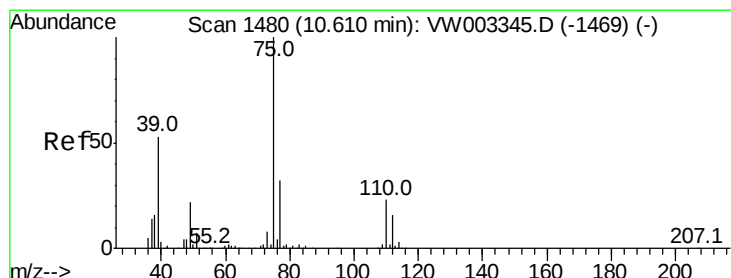
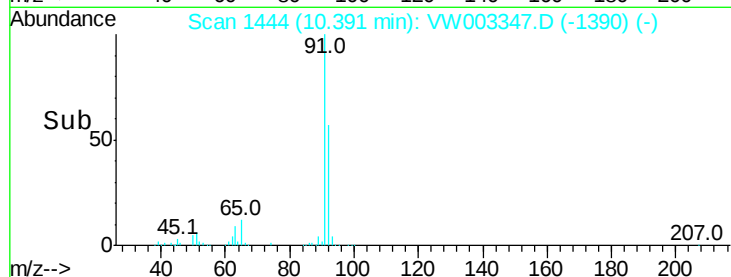
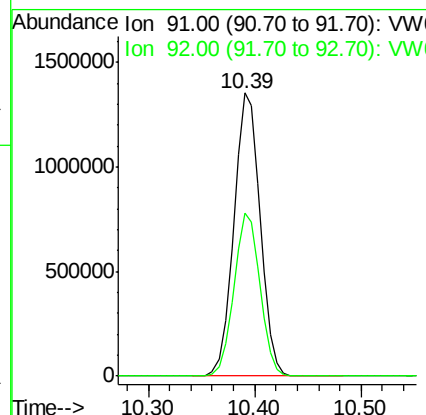
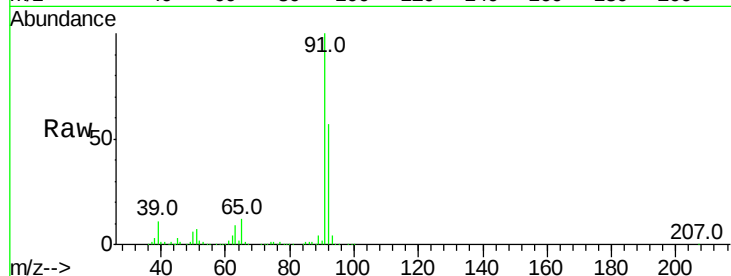
VSTD10090

Tgt Ion: 91 Resp: 2335642

Ion Ratio Lower Upper

91 100

92 57.5 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 106.654 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW003347.D

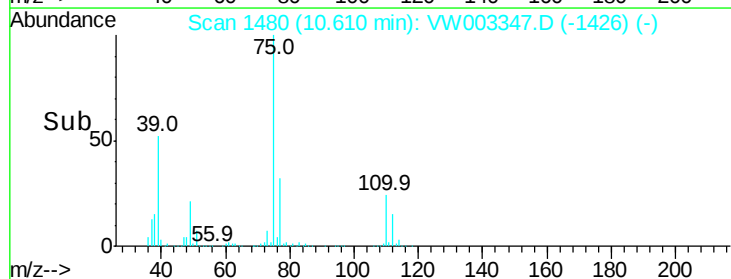
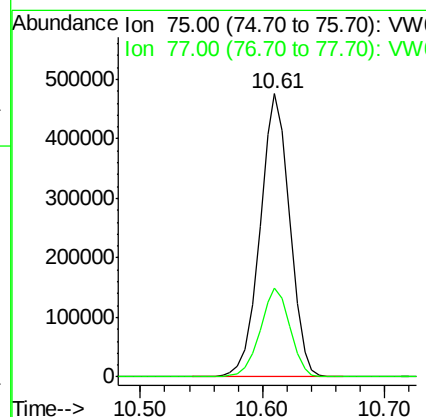
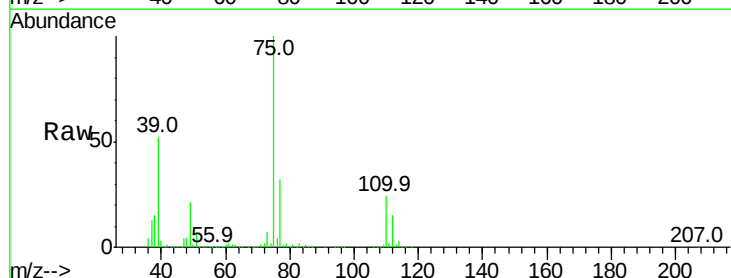
Acq: 20 Jun 2018 11:20

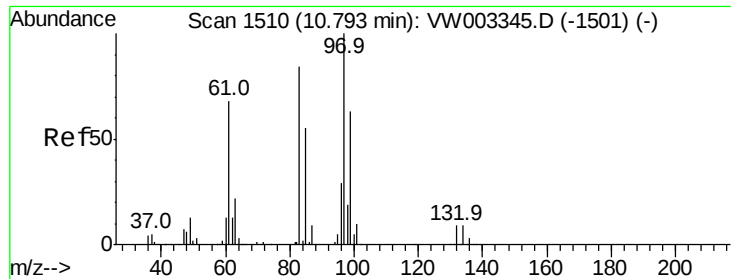
Tgt Ion: 75 Resp: 802484

Ion Ratio Lower Upper

75 100

77 31.6 22.4 41.6

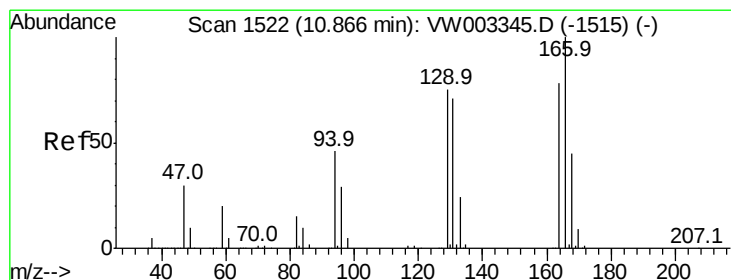
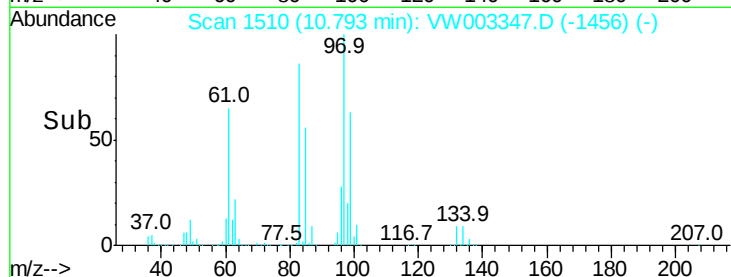
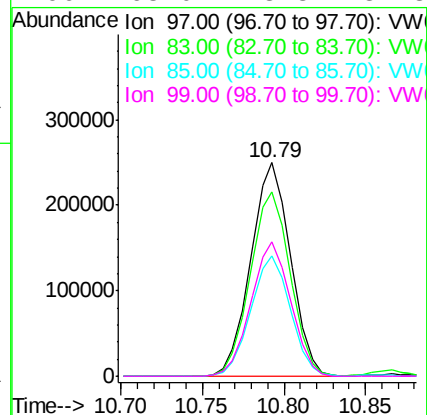
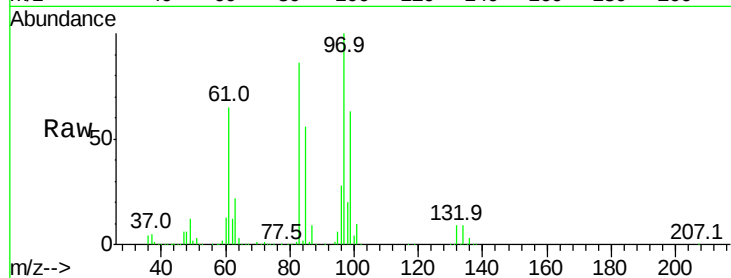




#46
 1,1,2-Trichloroethane
 Concen: 101.594 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW003347.D
 Acq: 20 Jun 2018 11:20

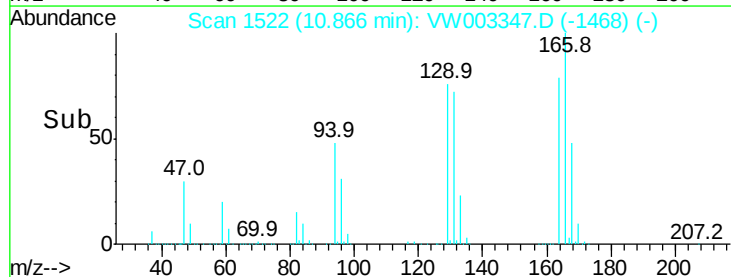
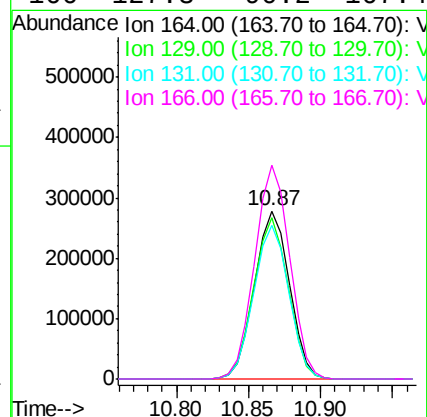
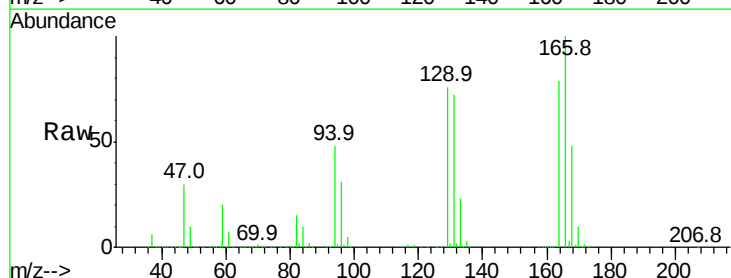
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10090

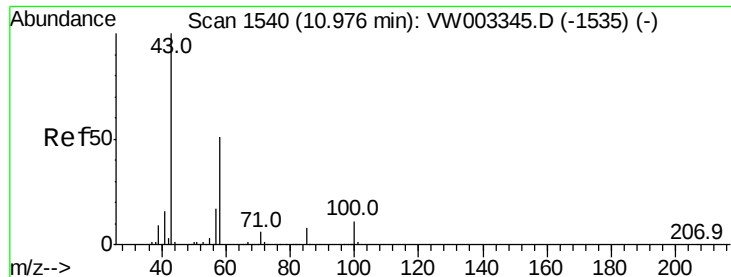
Tgt Ion: 97 Resp: 423985
 Ion Ratio Lower Upper
 97 100
 83 86.1 58.8 109.2
 85 56.1 38.8 72.0
 99 63.0 43.8 81.3



#47
 Tetrachloroethene
 Concen: 99.351 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. 0.00 min
 Lab File: VW003347.D
 Acq: 20 Jun 2018 11:20

Tgt Ion: 164 Resp: 468516
 Ion Ratio Lower Upper
 164 100
 129 96.2 67.3 124.9
 131 91.9 63.8 118.4
 166 127.3 90.2 167.4

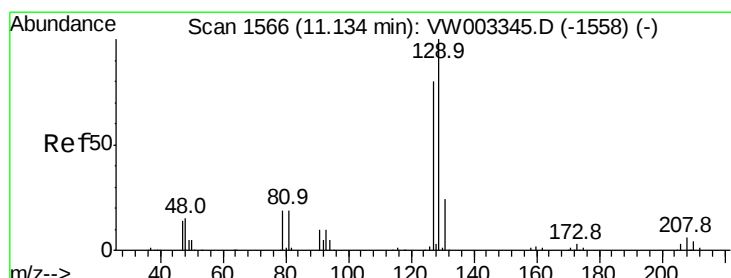
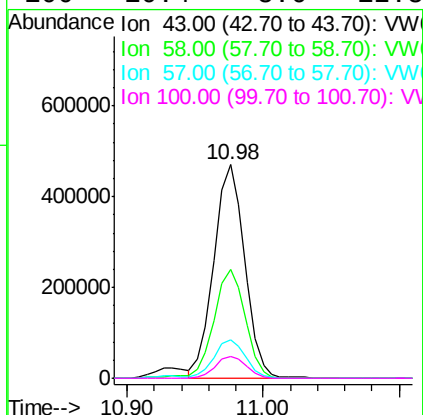
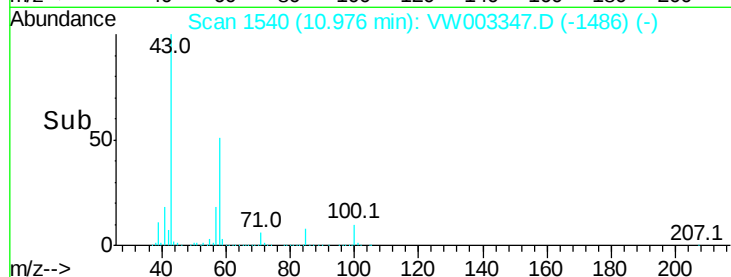
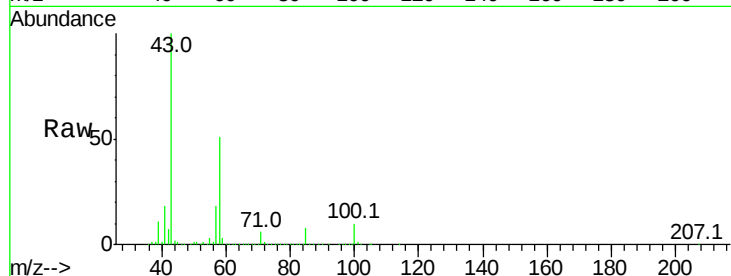




#49
2-Hexanone
Concen: 250.706 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW003347.D
Acq: 20 Jun 2018 11:20

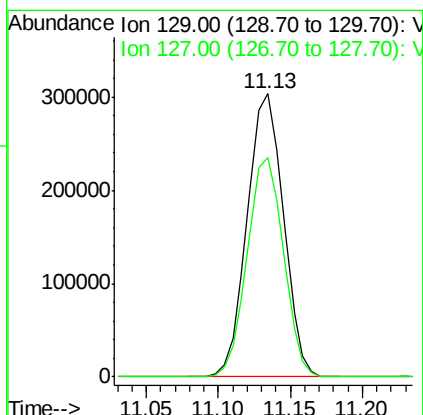
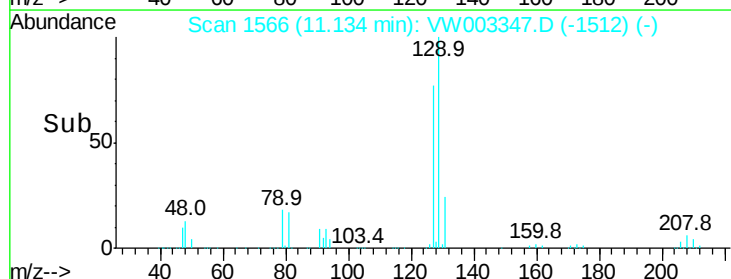
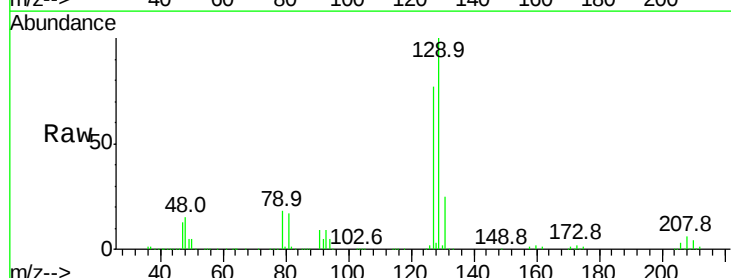
Instrument :
MSVOA_W
ClientSampleId :
VSTD10090

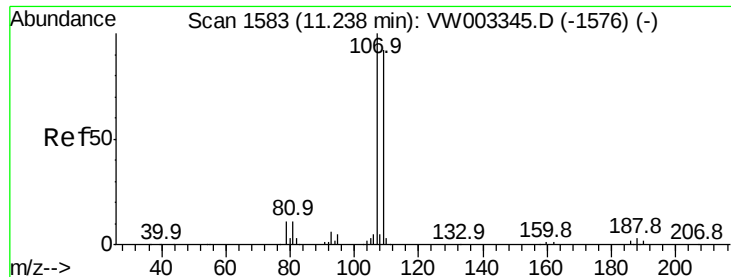
Tgt Ion: 43 Resp: 743907
Ion Ratio Lower Upper
43 100
58 51.2 40.4 60.6
57 18.2 14.6 21.8
100 10.4 8.6 12.8



#50
Dibromochloromethane
Concen: 104.306 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW003347.D
Acq: 20 Jun 2018 11:20

Tgt Ion: 129 Resp: 530128
Ion Ratio Lower Upper
129 100
127 77.4 56.0 104.0

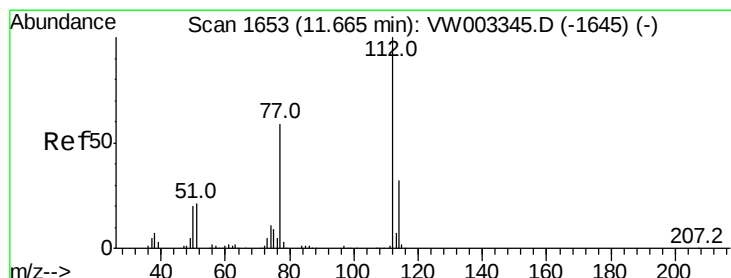
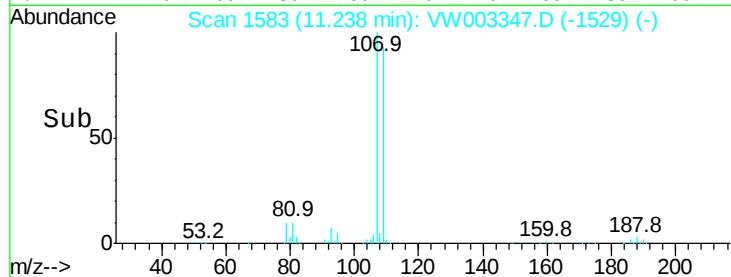
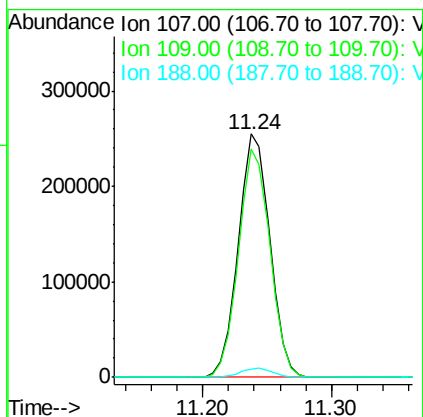
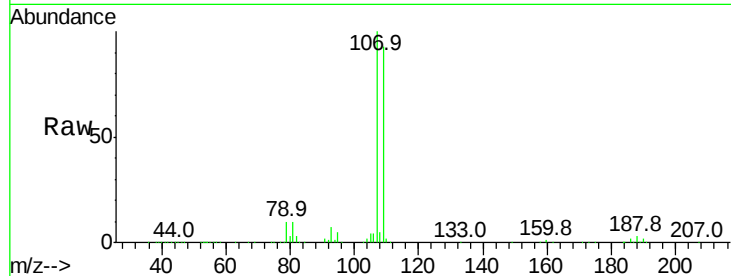




#51
1,2-Dibromoethane
Concen: 104.598 ug/L
RT: 11.24 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VW003347.D
Acq: 20 Jun 2018 11:20

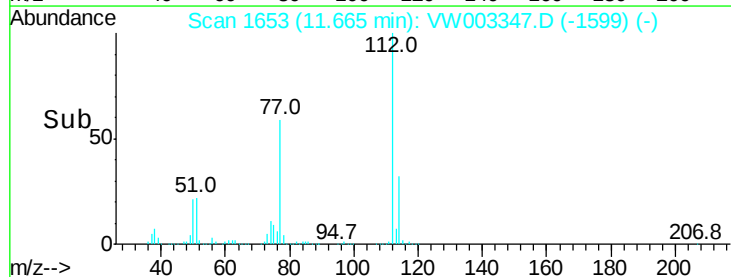
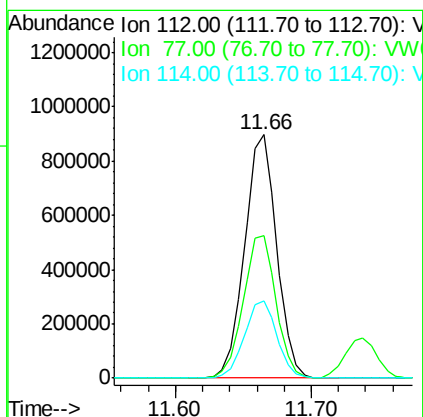
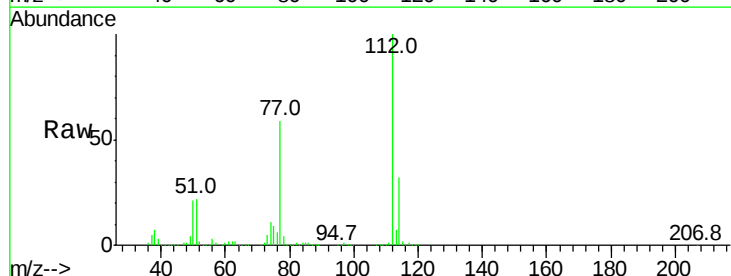
Instrument :
MSVOA_W
ClientSampleId :
VSTD10090

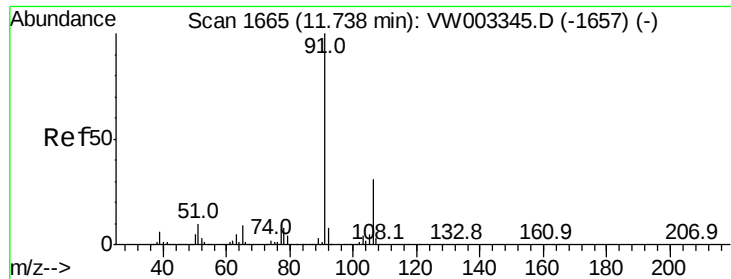
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.5	64.5	119.9
188	3.2	2.8	4.2



#52
Chlorobenzene
Concen: 98.663 ug/L
RT: 11.66 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VW003347.D
Acq: 20 Jun 2018 11:20

Tgt Ion	Ratio	Lower	Upper
112	100		
77	58.8	47.3	70.9
114	31.9	22.2	41.2





#53

Ethylbenzene

Concen: 105.057 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW003347.D

Acq: 20 Jun 2018 11:20

Instrument :

MSVOA_W

ClientSampleId :

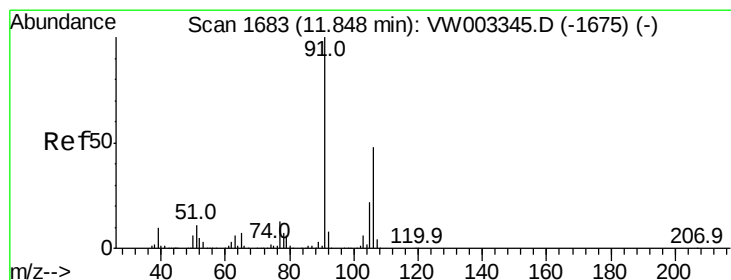
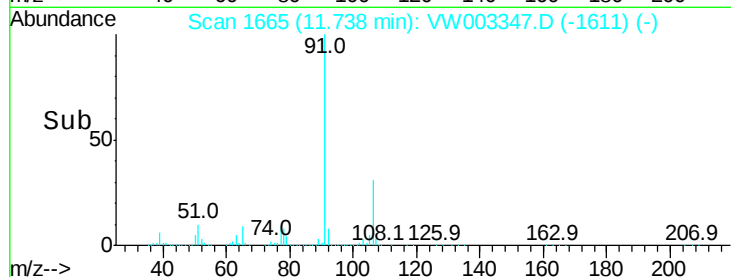
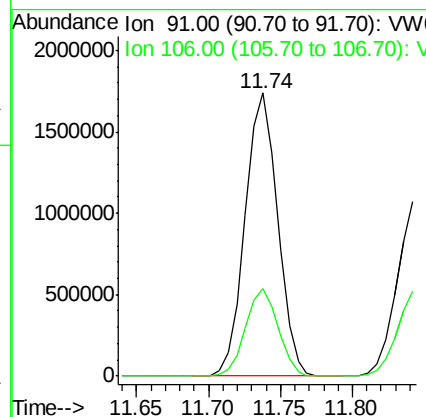
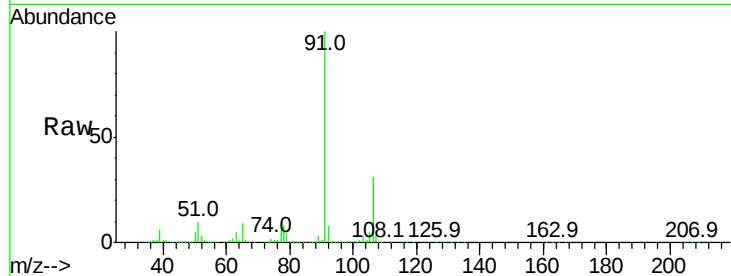
VSTD10090

Tgt Ion: 91 Resp: 2728123

Ion Ratio Lower Upper

91 100

106 30.7 21.8 40.4



#54

m,p-Xylene

Concen: 105.939 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW003347.D

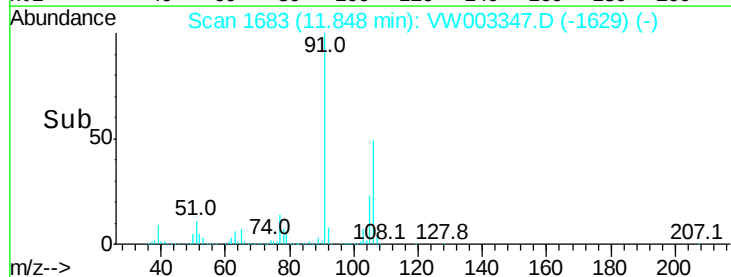
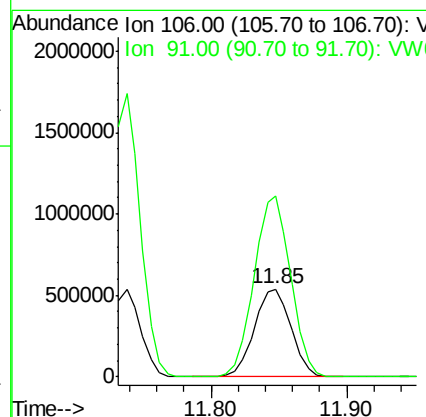
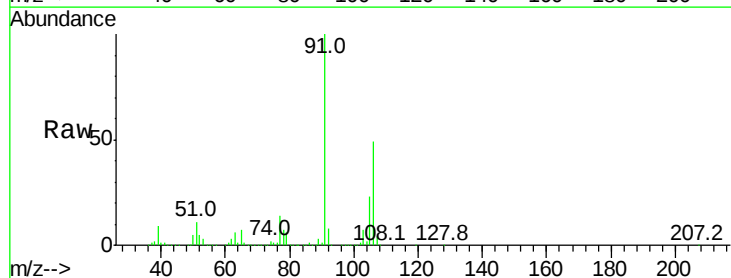
Acq: 20 Jun 2018 11:20

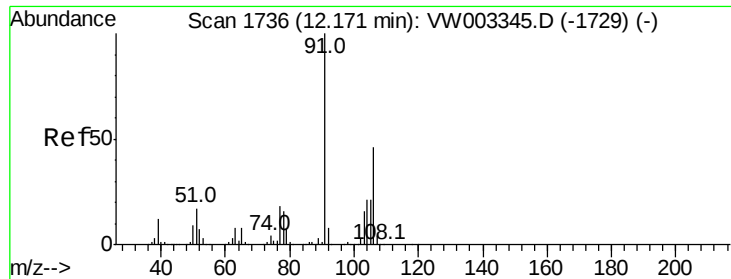
Tgt Ion: 106 Resp: 1017431

Ion Ratio Lower Upper

106 100

91 206.1 146.4 271.8

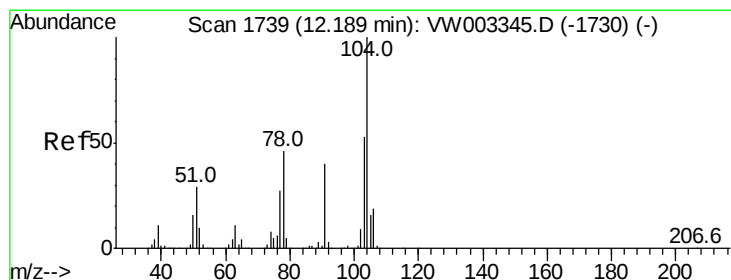
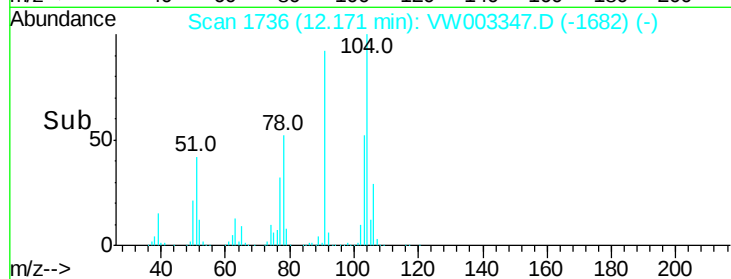
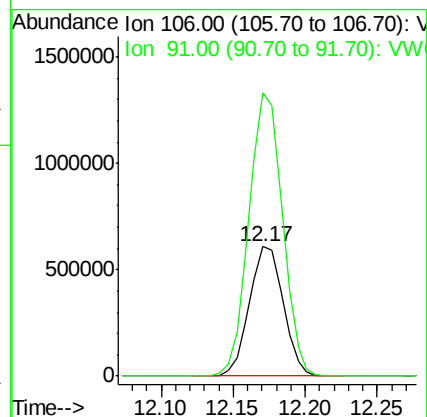
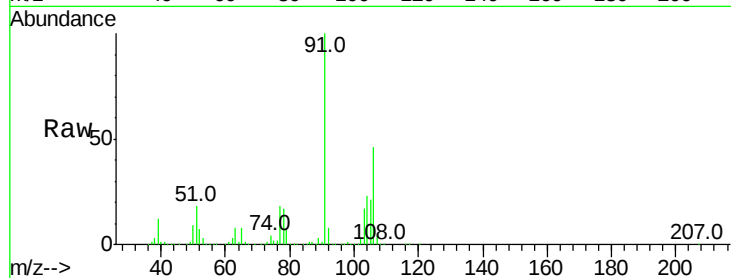




#55
o-xylene
Concen: 108.418 ug/L
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW003347.D
Acq: 20 Jun 2018 11:20

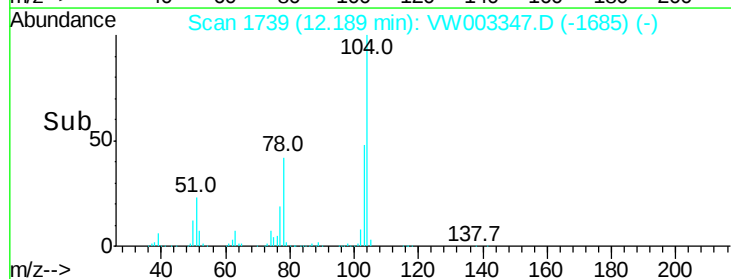
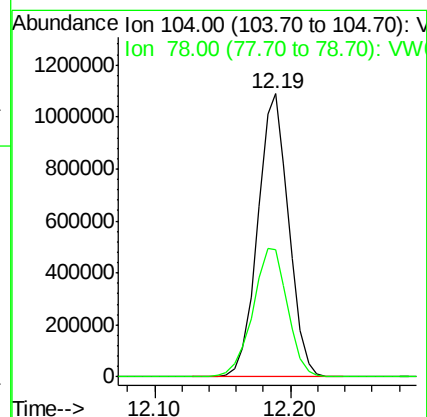
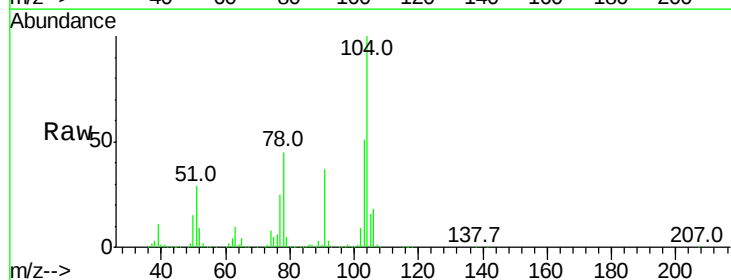
Instrument :
MSVOA_W
ClientSampleId :
VSTD10090

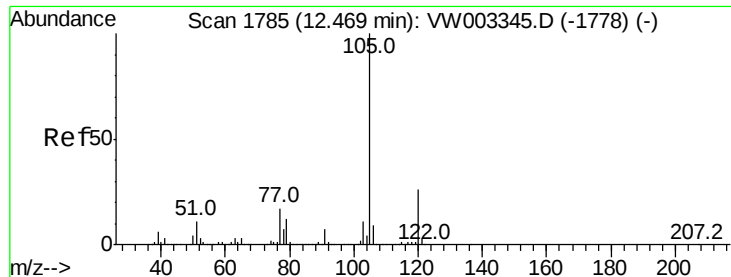
Tgt Ion:106 Resp: 990246
Ion Ratio Lower Upper
106 100
91 218.5 153.4 285.0



#56
Styrene
Concen: 108.840 ug/L
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW003347.D
Acq: 20 Jun 2018 11:20

Tgt Ion:104 Resp: 1732106
Ion Ratio Lower Upper
104 100
78 45.1 32.1 59.7





#57

Isopropylbenzene

Concen: 108.824 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW003347.D

Acq: 20 Jun 2018 11:20

Instrument :

MSVOA_W

ClientSampleId :

VSTD10090

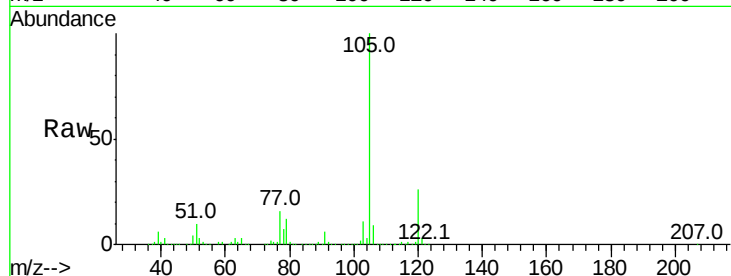
Tgt Ion:105 Resp: 2774300

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.4

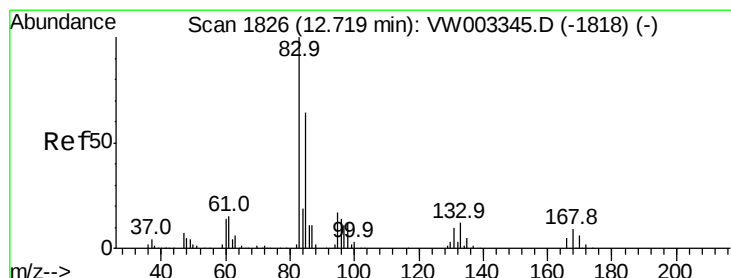
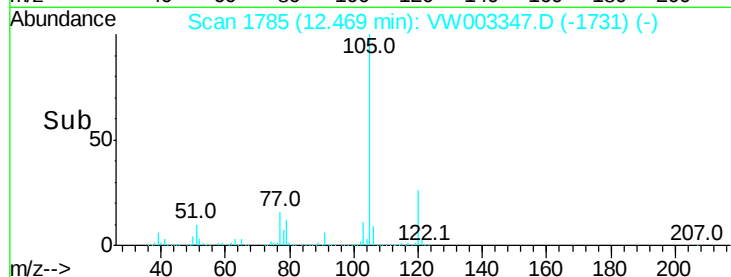
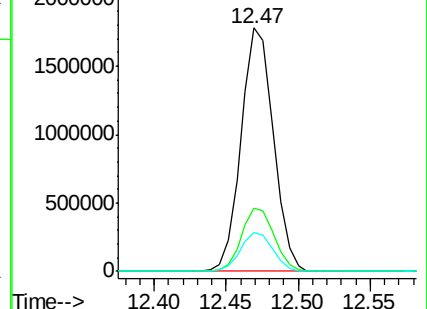
77 16.0 13.3 19.9



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: 108.876 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW003347.D

Acq: 20 Jun 2018 11:20

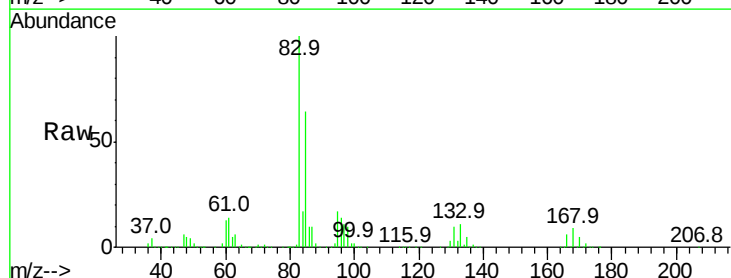
Tgt Ion: 83 Resp: 601593

Ion Ratio Lower Upper

83 100

85 63.9 45.1 83.9

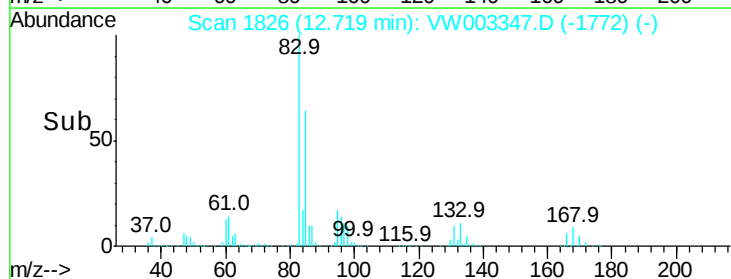
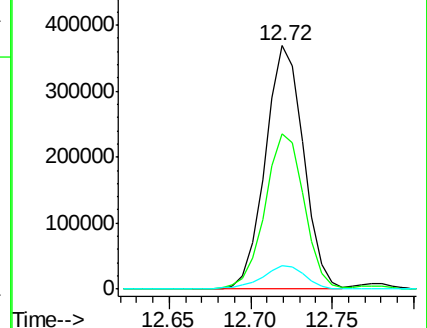
131 9.6 8.2 12.2

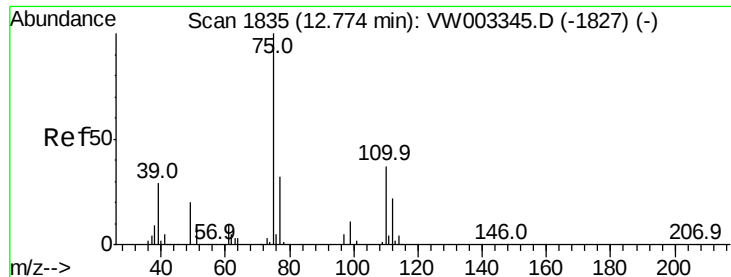


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 109.863 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW003347.D

Acq: 20 Jun 2018 11:20

Instrument :

MSVOA_W

ClientSampleId :

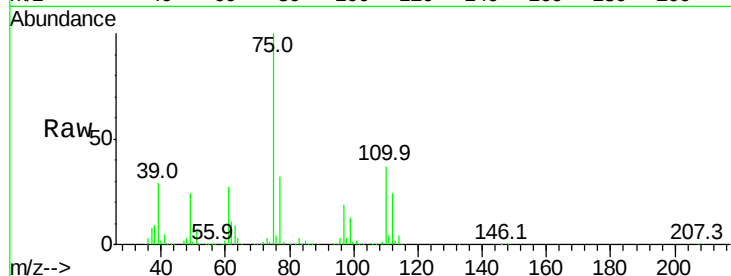
VSTD10090

Tgt Ion: 75 Resp: 462328

Ion Ratio Lower Upper

75 100

77 31.8 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

12.77

300000

250000

200000

150000

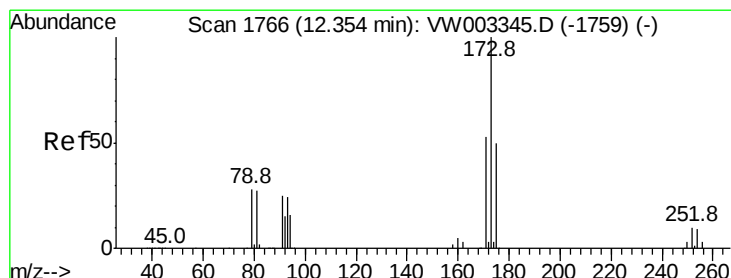
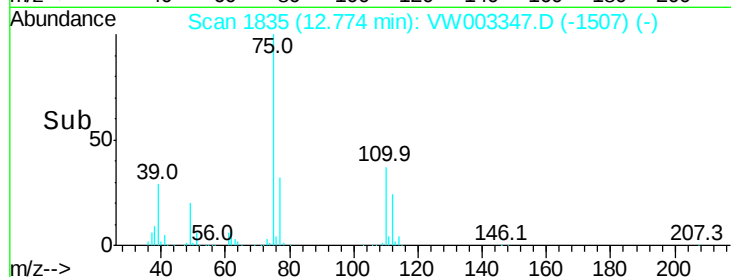
100000

50000

0

Time-->

12.70 12.80



#62

Bromoform

Concen: 109.712 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW003347.D

Acq: 20 Jun 2018 11:20

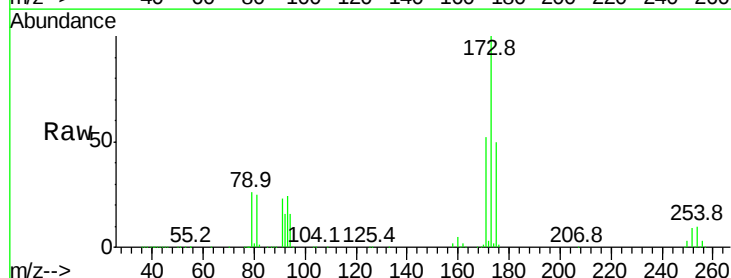
Tgt Ion: 173 Resp: 356476

Ion Ratio Lower Upper

173 100

175 49.2 39.9 59.9

254 9.6 7.7 11.5



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

12.35

250000

200000

150000

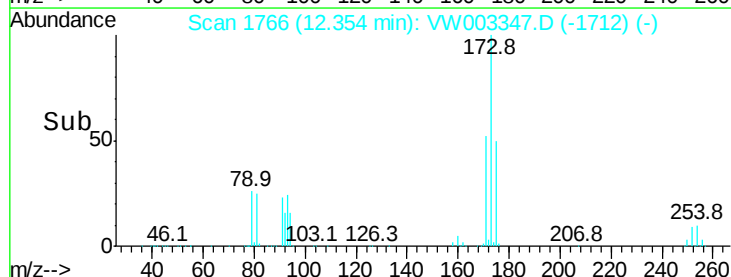
100000

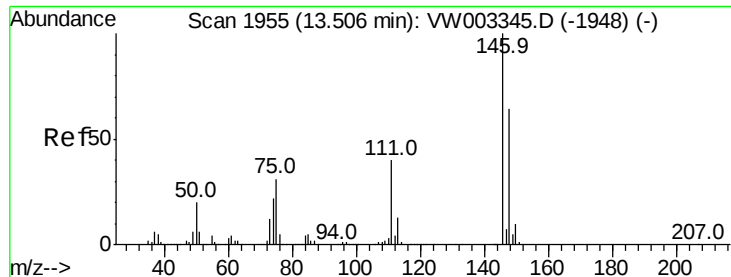
50000

0

Time-->

12.30 12.35 12.40

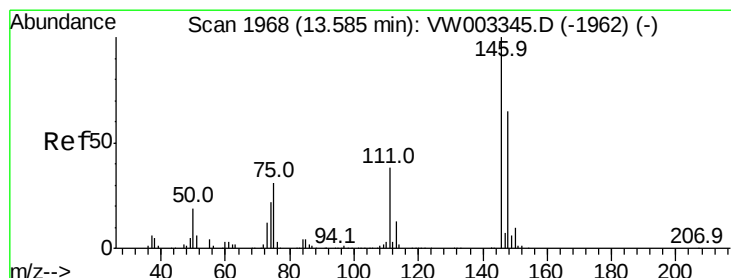
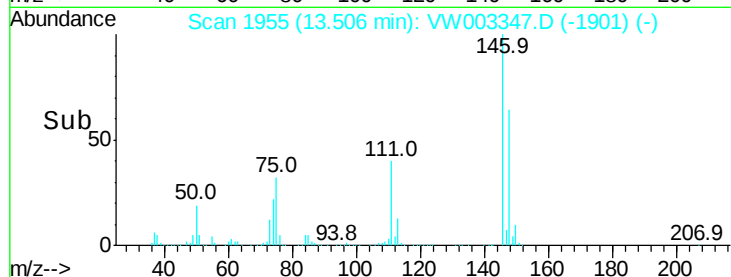
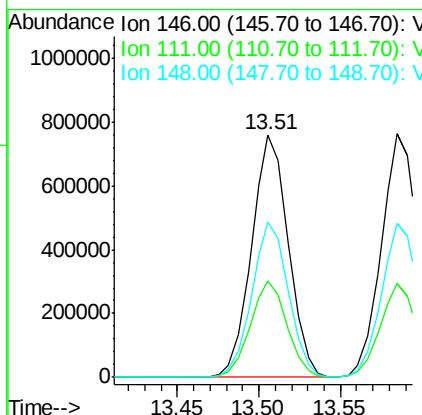
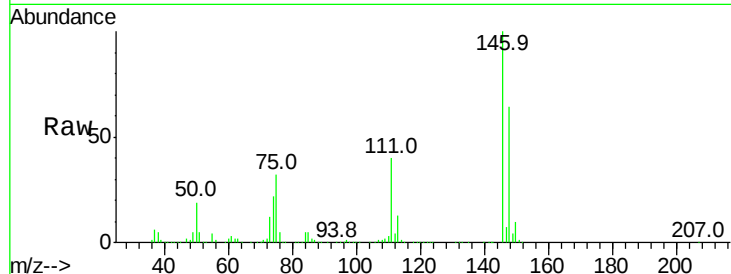




#63
 1,3-Dichlorobenzene
 Concen: 100.093 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003347.D
 Acq: 20 Jun 2018 11:20

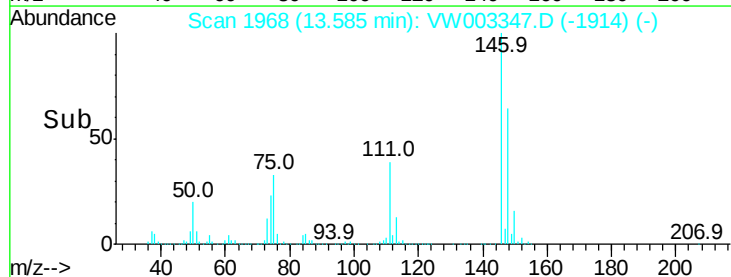
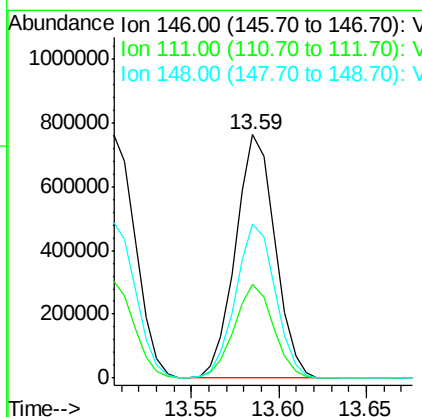
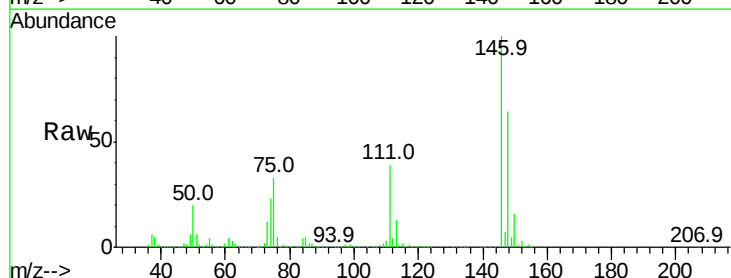
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10090

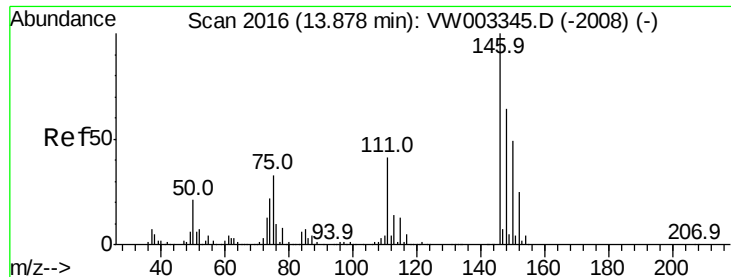
Tgt Ion:146 Resp: 1186626
 Ion Ratio Lower Upper
 146 100
 111 39.5 27.9 51.7
 148 64.0 44.9 83.3



#64
 1,4-Dichlorobenzene
 Concen: 96.853 ug/L
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003347.D
 Acq: 20 Jun 2018 11:20

Tgt Ion:146 Resp: 1200219
 Ion Ratio Lower Upper
 146 100
 111 38.8 26.8 49.8
 148 63.5 45.4 84.2





#65

1,2-Dichlorobenzene

Concen: 98.764 ug/L

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW003347.D

Acq: 20 Jun 2018 11:20

Instrument :

MSVOA_W

ClientSampleId :

VSTD10090

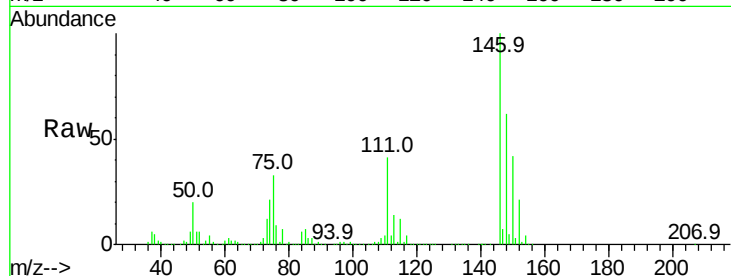
Tgt Ion:146 Resp: 1106919

Ion Ratio Lower Upper

146 100

111 41.5 33.1 49.7

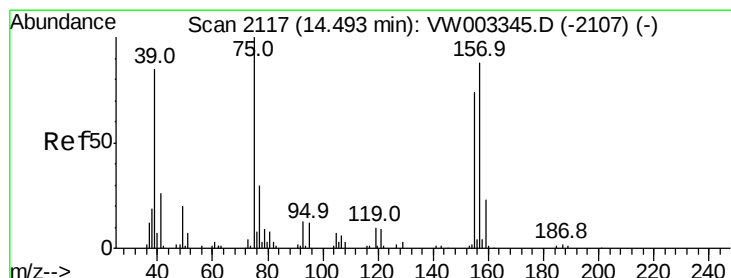
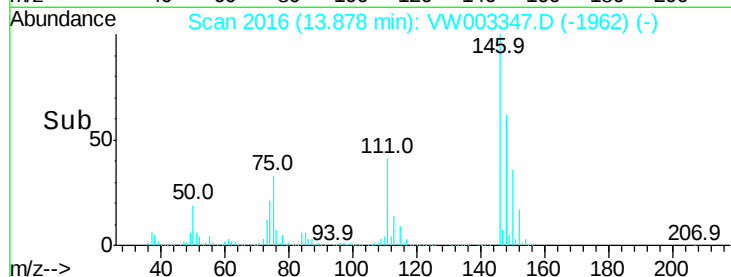
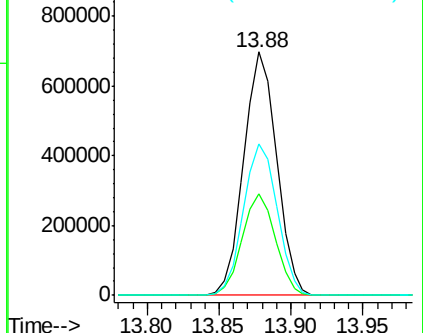
148 62.2 51.0 76.6



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: 120.435 ug/L

RT: 14.49 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VW003347.D

Acq: 20 Jun 2018 11:20

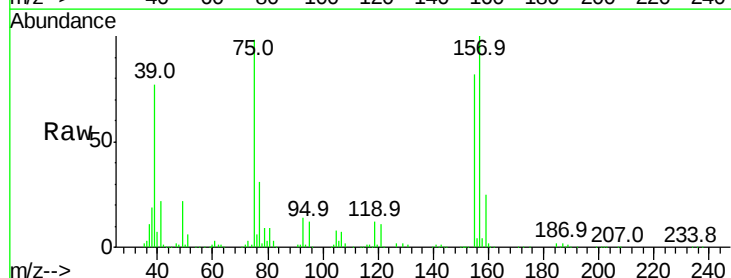
Tgt Ion: 75 Resp: 115699

Ion Ratio Lower Upper

75 100

157 102.5 70.7 106.1

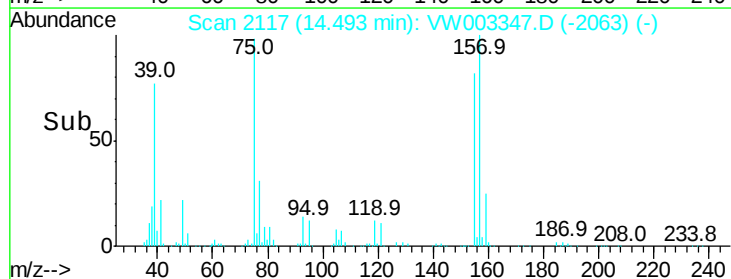
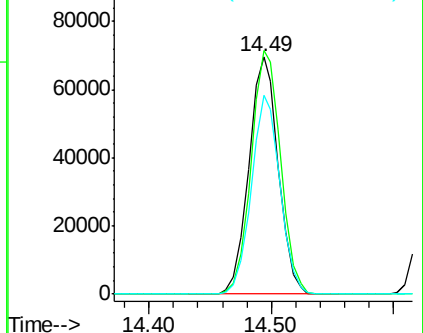
155 83.9 59.0 88.6

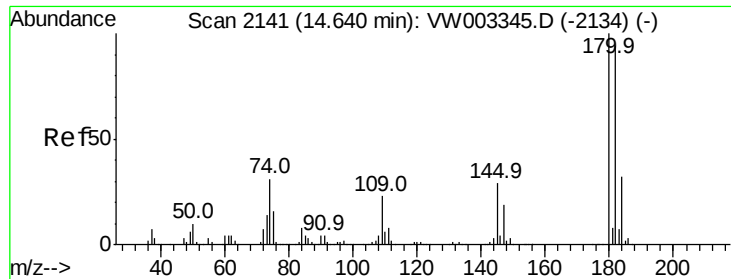


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

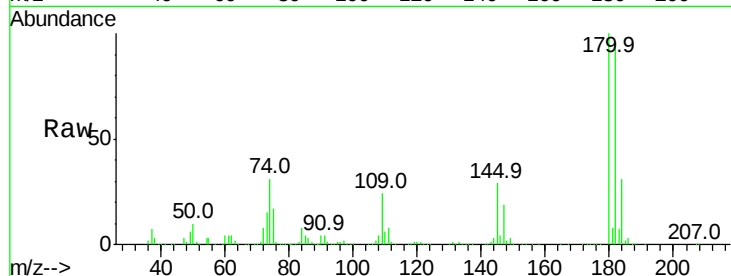




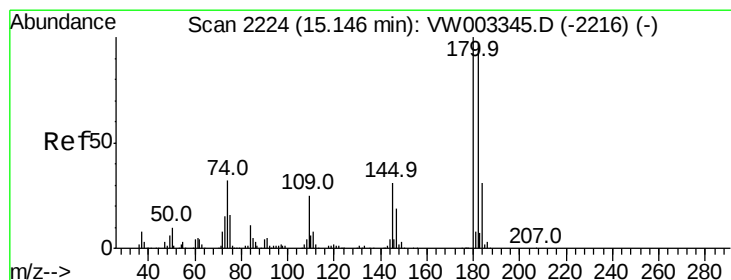
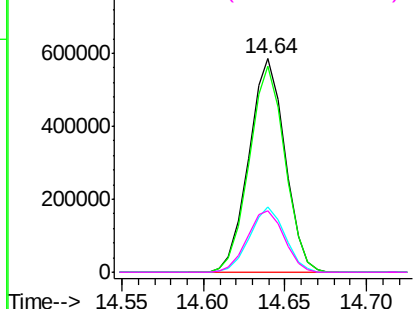
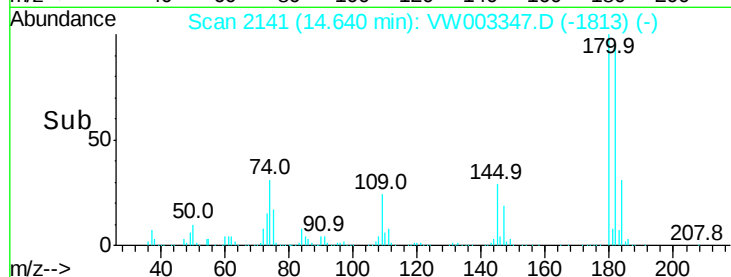
#67
 1,3,5-Trichlorobenzene
 Concen: 97.177 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW003347.D
 Acq: 20 Jun 2018 11:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10090

Tgt Ion:180 Resp: 902205
 Ion Ratio Lower Upper
 180 100
 182 95.5 75.9 113.9
 184 30.1 24.5 36.7
 145 29.4 23.4 35.2

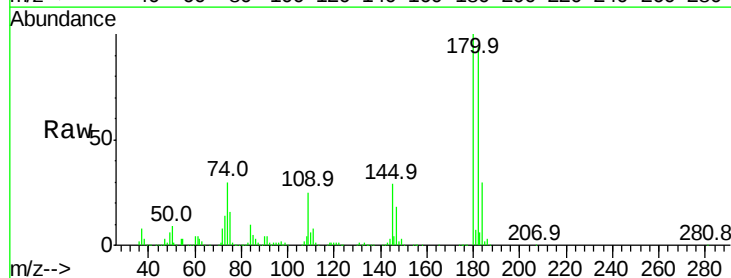


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

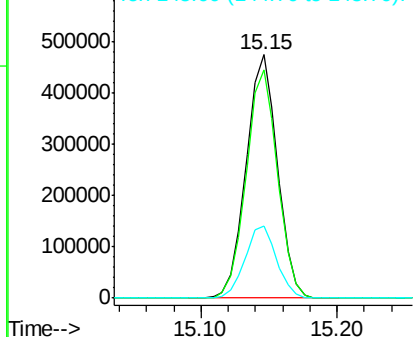
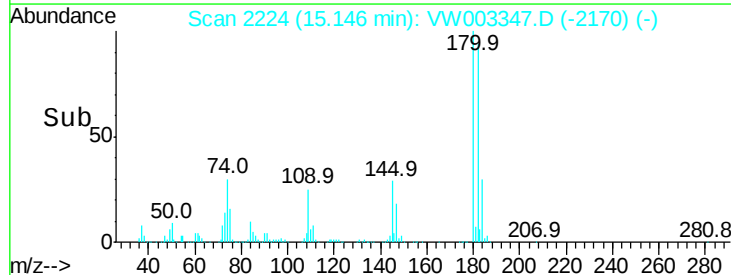


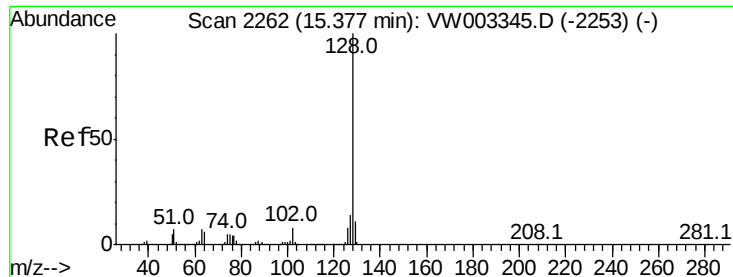
#68
 1,2,4-trichlorobenzene
 Concen: 100.400 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW003347.D
 Acq: 20 Jun 2018 11:20

Tgt Ion:180 Resp: 762546
 Ion Ratio Lower Upper
 180 100
 182 94.1 74.8 112.2
 145 29.9 23.6 35.4



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





#69

Naphthalene

Concen: 117.021 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW003347.D

Acq: 20 Jun 2018 11:20

Instrument :

MSVOA_W

ClientSampleId :

VSTD10090

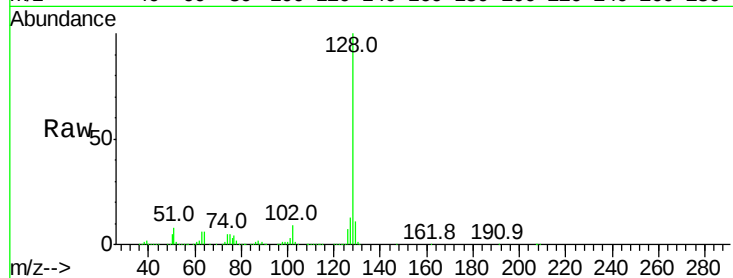
Tgt Ion:128 Resp: 1688570

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

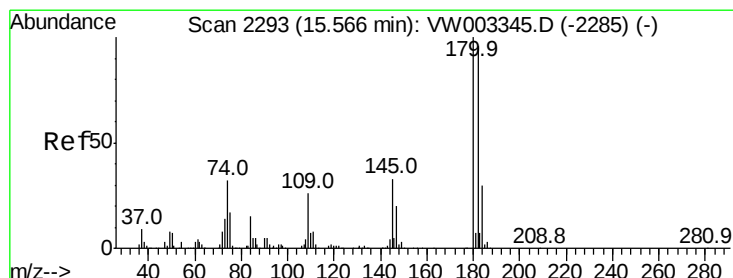
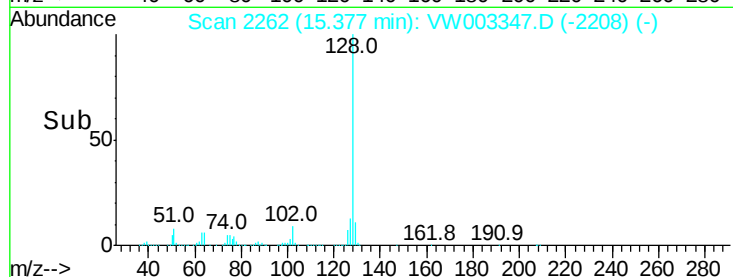
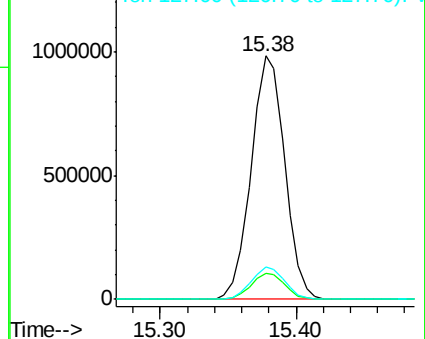
127 13.3 10.9 16.3



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: 98.501 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW003347.D

Acq: 20 Jun 2018 11:20

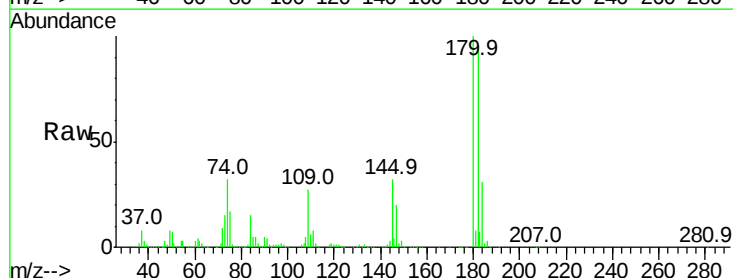
Tgt Ion:180 Resp: 694996

Ion Ratio Lower Upper

180 100

182 95.8 75.4 113.0

145 32.0 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

