

Data File : VW003740.D
Acq On : 06 Jul 2018 14:32
Operator : SY/AP
Sample : VSTD10090
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD10085

Quant Time: Jul 06 15:03:07 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM070618S.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 06 11:18:40 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	380410	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	364495	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	190552	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	478001	92.65	ug/L	0.01
7) Chloroethane-d5	2.89	69	361876	84.07	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	1027017	100.25	ug/L	0.00
20) 2-Butanone-d5	7.09	46	349414	214.93	ug/L	0.00
24) Chloroform-d	7.65	84	991785	99.11	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	593821	99.86	ug/L	0.00
29) Benzene-d6	8.28	84	1928119	99.70	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	622392	101.67	ug/L	0.00
37) Toluene-d8	10.33	98	1900937	102.80	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	305537	106.31	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	288027	230.19	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.70	84	582534	102.27	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.87	152	699784	97.23	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	445201	213.074	ug/L	91
3) Chloromethane	2.21	50	437245	97.414	ug/L	100
5) Vinyl chloride	2.36	62	638686	98.319	ug/L	98
6) Bromomethane	2.78	94	406364	107.512	ug/L	100
8) Chloroethane	2.92	64	346839	87.625	ug/L	98
9) Trichlorofluoromethane	3.25	101	297278	79.785	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	520158	103.394	ug/L	99
12) 1,1-Dichloroethene	4.03	96	511222	107.509	ug/L	95
13) Acetone	4.14	43	403769	233.006	ug/L	# 69
14) Carbon disulfide	4.37	76	1665802	108.582	ug/L	99
15) Methyl Acetate	4.67	43	312974	110.191	ug/L	98
16) Methylene chloride	4.91	84	520458	99.292	ug/L	98
17) Methyl tert-butyl Ether	5.43	73	1009565	115.070	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	537451	108.474	ug/L	94
19) 1,1-Dichloroethane	6.21	63	989574	107.024	ug/L	99
21) 2-Butanone	7.18	43	488570	239.929	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	588311	111.728	ug/L	98
23) Bromochloromethane	7.51	128	260345	106.881	ug/L	99
25) Chloroform	7.68	83	1007824	106.019	ug/L	100
27) 1,2-Dichloroethane	8.40	62	733911	106.613	ug/L	100
30) Cyclohexane	7.96	56	992752	117.969	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	797416	99.578	ug/L	99
32) Carbon tetrachloride	8.07	117	808189	104.465	ug/L	100
34) Benzene	8.32	78	2254481	108.466	ug/L	100
35) Trichloroethene	9.09	95	592412	105.749	ug/L	99
36) Methylcyclohexane	9.34	83	1087056	113.665	ug/L	99
40) 1,2-Dichloropropane	9.37	63	592678	108.356	ug/L	100
41) Bromodichloromethane	9.65	83	767317	109.142	ug/L	97
42) cis-1,3-Dichloropropene	10.08	75	964935	118.207	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	944687	241.752	ug/L	98

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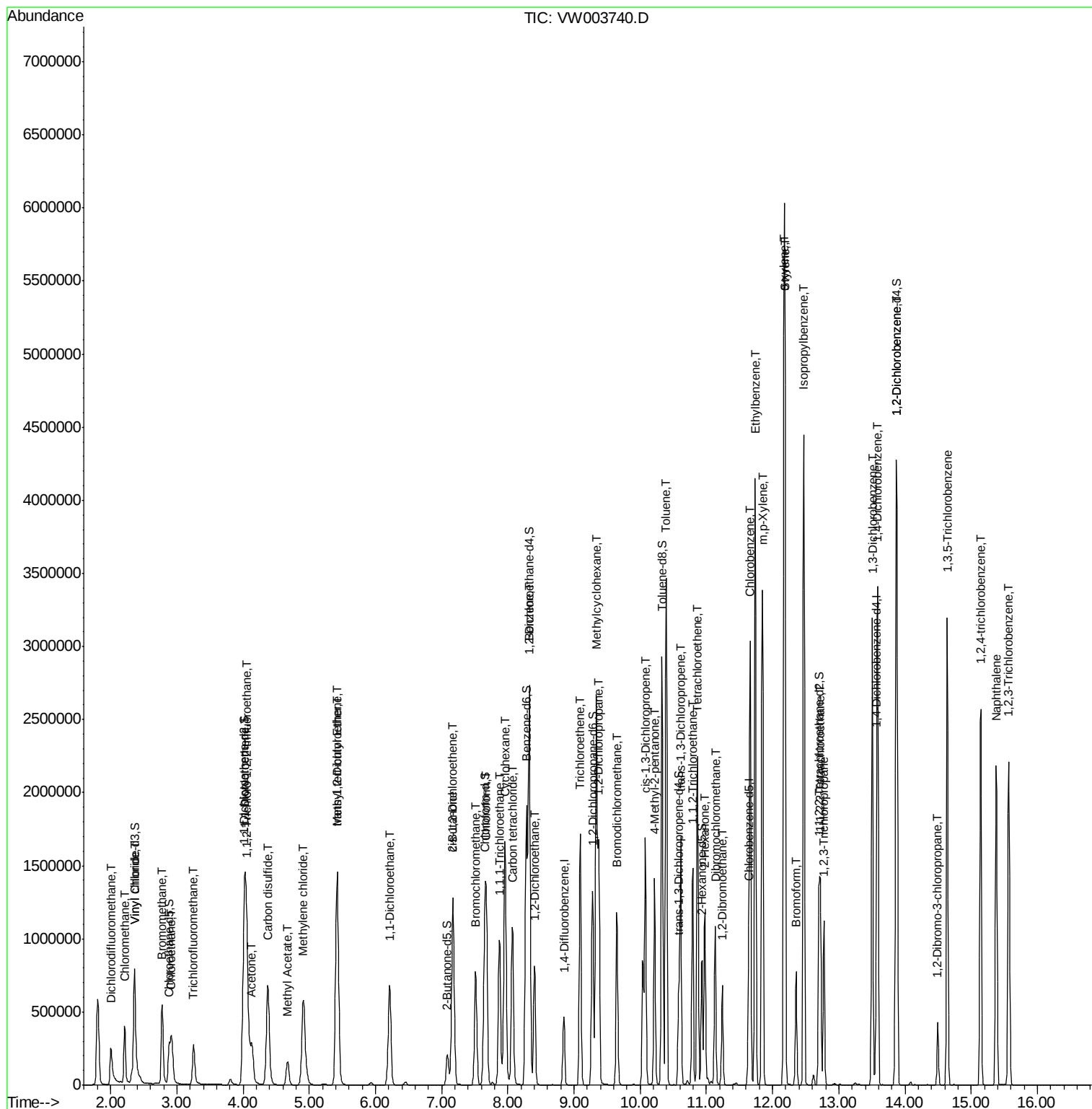
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	2469806	109.565	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	867069	117.381	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	443432	108.594	ug/L	99
47) Tetrachloroethene	10.87	164	485177	103.062	ug/L	99
49) 2-Hexanone	10.98	43	759168	260.704	ug/L	99
50) Dibromochloromethane	11.13	129	558775	112.408	ug/L	100
51) 1,2-Dibromoethane	11.24	107	443312	109.252	ug/L	98
52) Chlorobenzene	11.66	112	1568683	107.165	ug/L	97
53) Ethylbenzene	11.74	91	2855061	112.920	ug/L	99
54) m,p-Xylene	11.85	106	1066078	113.526	ug/L	99
55) o-xylene	12.17	106	1030996	115.421	ug/L	100
56) Styrene	12.19	104	1808838	117.292	ug/L	99
57) Isopropylbenzene	12.47	105	2829698	114.177	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	599497	111.368	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	449236	108.894	ug/L	100
62) Bromoform	12.35	173	355820	110.953	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	1241060	105.926	ug/L	96
64) 1,4-Dichlorobenzene	13.59	146	1271767	103.532	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	1173434	104.902	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	105474	107.442	ug/L	93
67) 1,3,5-Trichlorobenzene	14.64	180	954677	104.861	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	813836	109.805	ug/L	100
69) Naphthalene	15.38	128	1791821	129.209	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	747470	110.038	ug/L	99

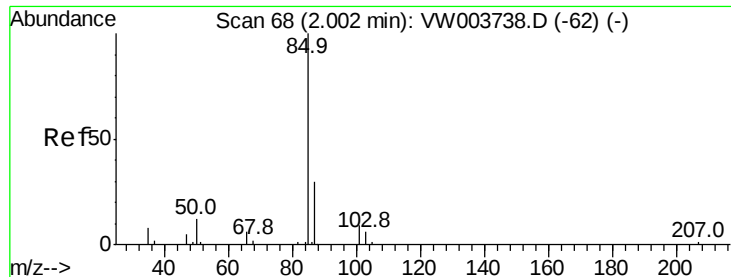
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 213.074 ug/L

RT: 2.00 min Scan# 68

Delta R.T. 0.00 min

Lab File: VW003740.D

Acq: 06 Jul 2018 14:32

Instrument :

MSVOA_W

ClientSampleId :

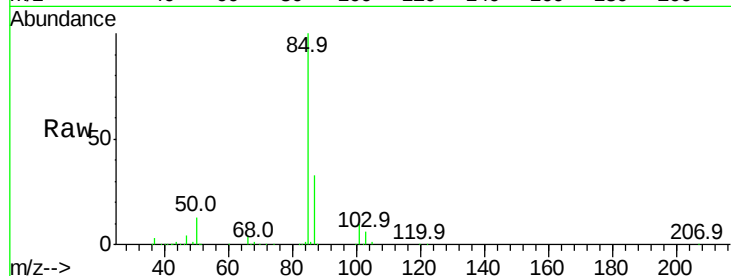
VSTD10085

Tgt Ion: 85 Resp: 445201

Ion Ratio Lower Upper

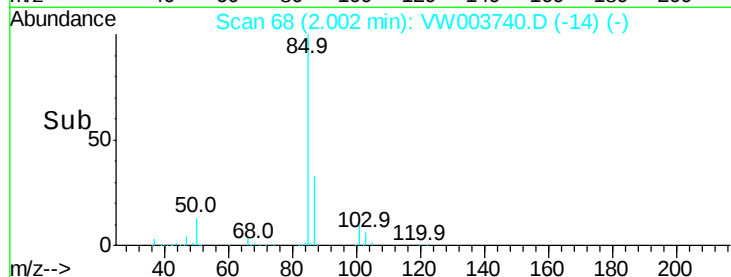
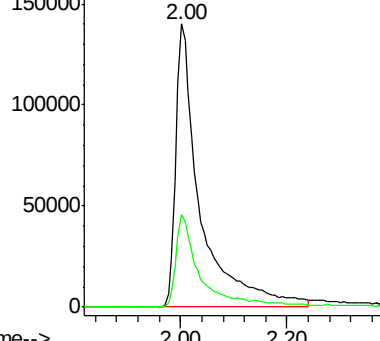
85 100

87 28.0 23.3 43.3

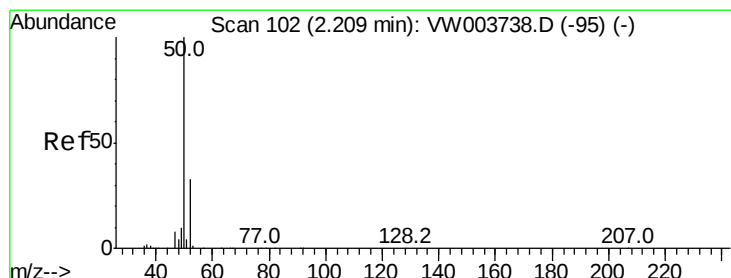


Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



Time-->



#3

Chloromethane

Concen: 97.414 ug/L

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW003740.D

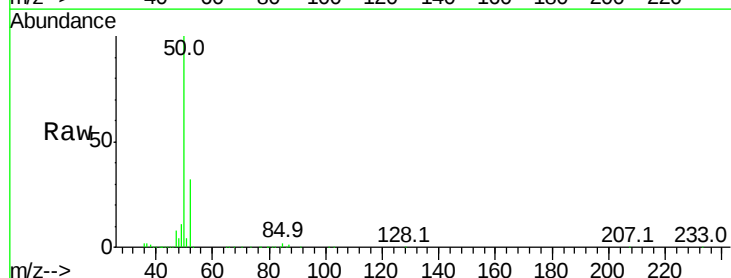
Acq: 06 Jul 2018 14:32

Tgt Ion: 50 Resp: 437245

Ion Ratio Lower Upper

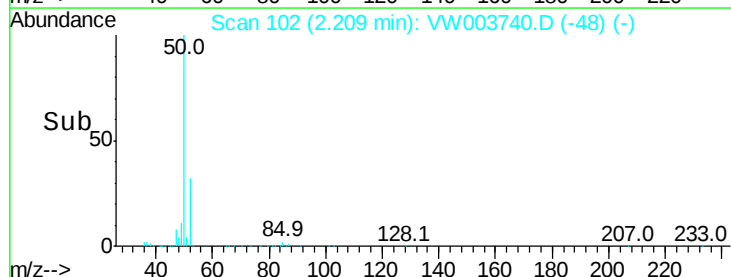
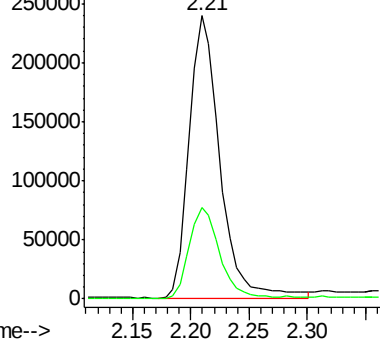
50 100

52 32.4 22.9 42.5

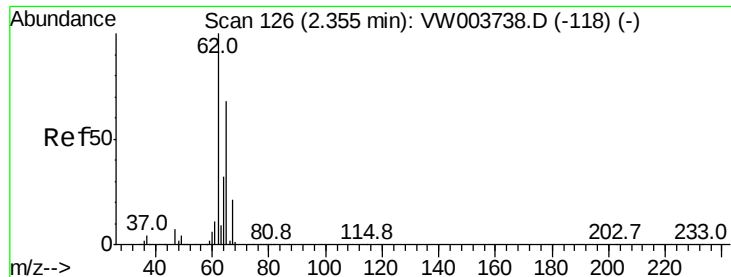


Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW



Time-->



#5

Vinyl chloride

Concen: 98.319 ug/L

RT: 2.36 min Scan# 127

Delta R.T. 0.01 min

Lab File: VW003740.D

Acq: 06 Jul 2018 14:32

Instrument :

MSVOA_W

ClientSampleId :

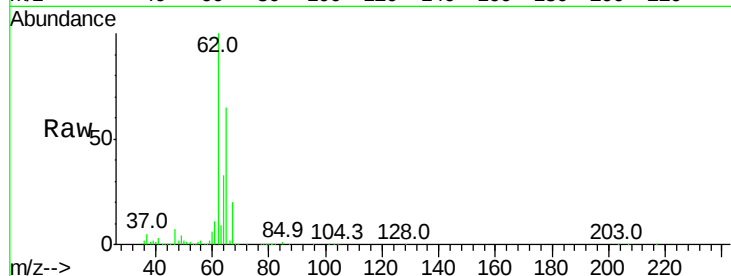
VSTD10085

Tgt Ion: 62 Resp: 638686

Ion Ratio Lower Upper

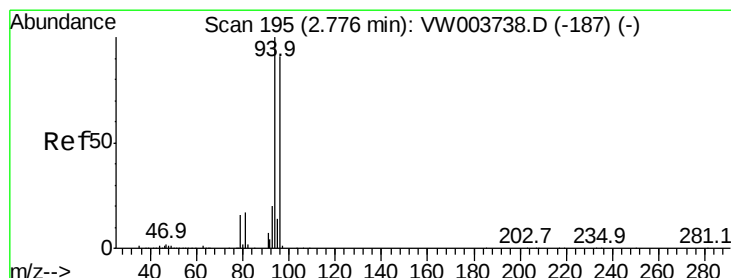
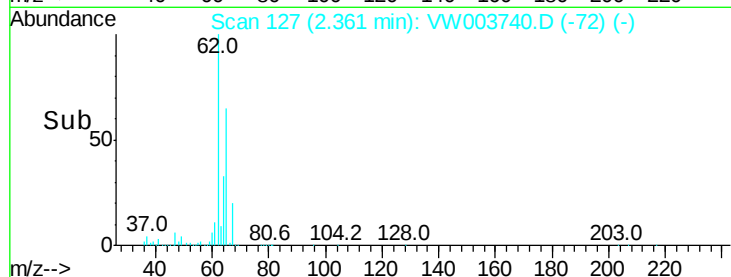
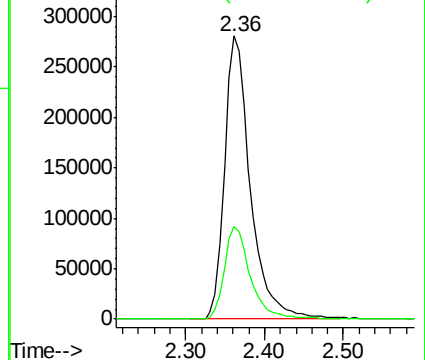
62 100

64 32.7 22.2 41.2



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 107.512 ug/L

RT: 2.78 min Scan# 195

Delta R.T. 0.00 min

Lab File: VW003740.D

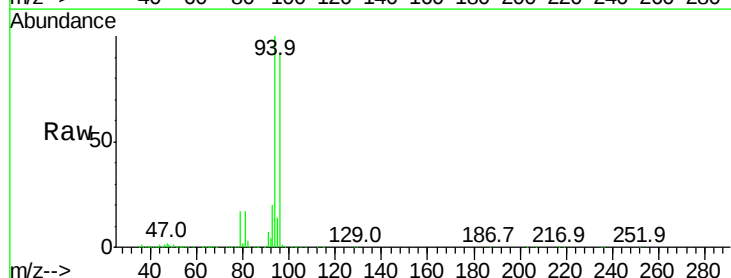
Acq: 06 Jul 2018 14:32

Tgt Ion: 94 Resp: 406364

Ion Ratio Lower Upper

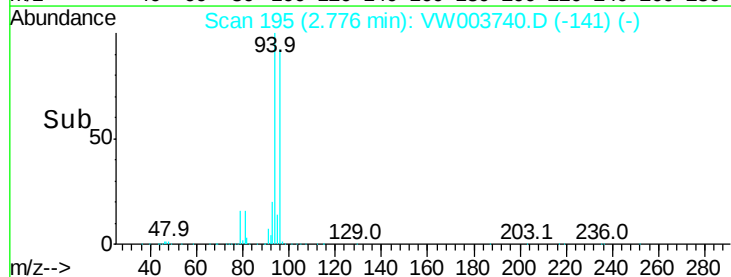
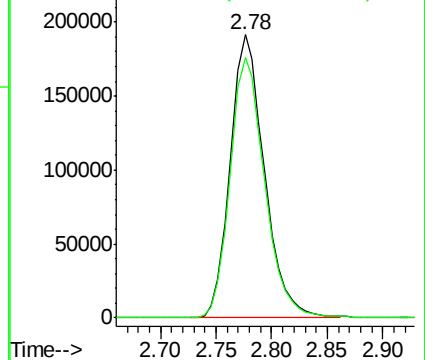
94 100

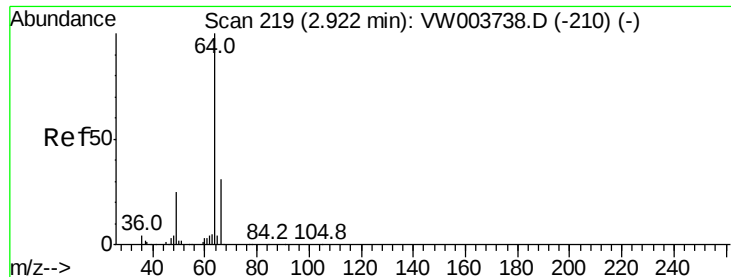
96 93.5 9.3 177.7



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 87.625 ug/L

RT: 2.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VW003740.D

Acq: 06 Jul 2018 14:32

Instrument :

MSVOA_W

ClientSampleId :

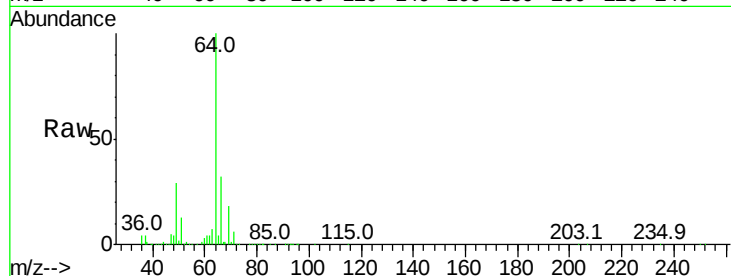
VSTD10085

Tgt Ion: 64 Resp: 346839

Ion Ratio Lower Upper

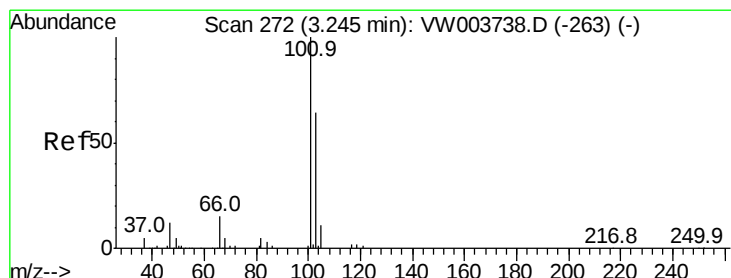
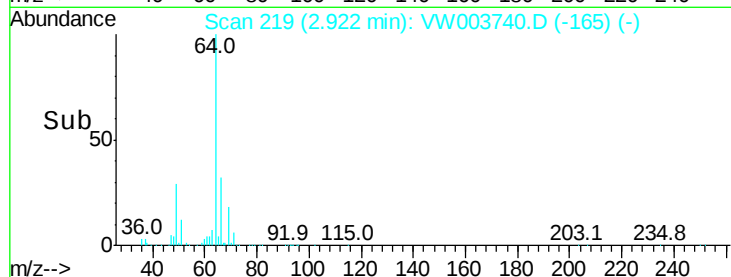
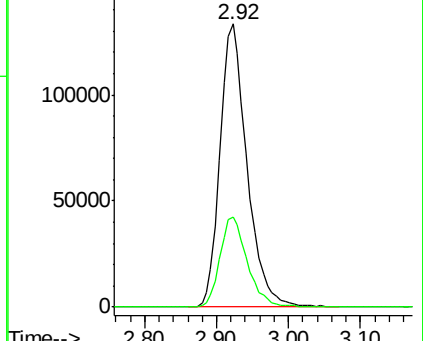
64 100

66 31.7 21.5 39.9



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 79.785 ug/L

RT: 3.25 min Scan# 273

Delta R.T. 0.01 min

Lab File: VW003740.D

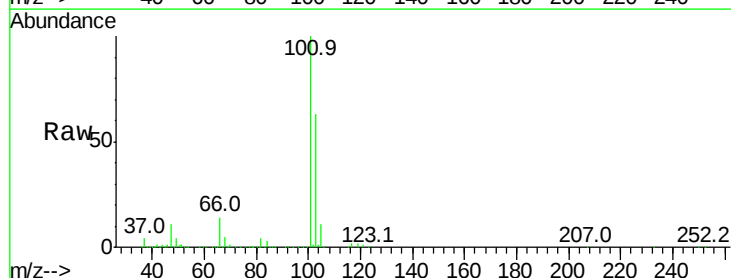
Acq: 06 Jul 2018 14:32

Tgt Ion: 101 Resp: 297278

Ion Ratio Lower Upper

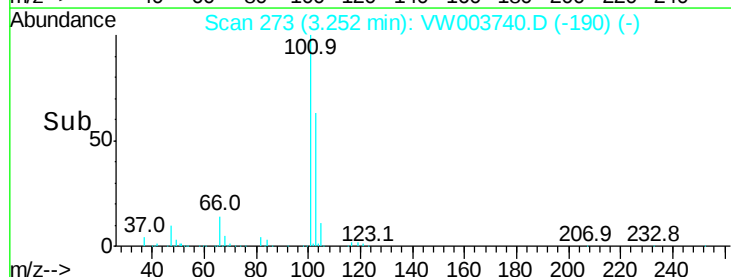
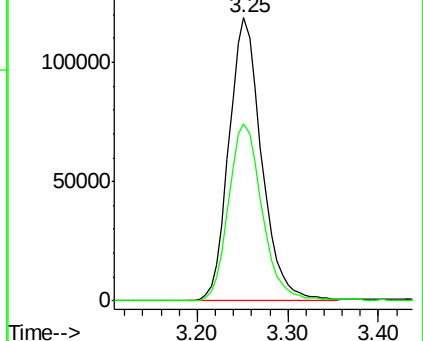
101 100

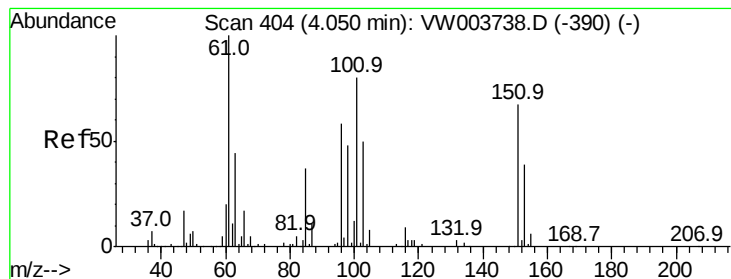
103 64.0 44.9 83.5



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: 103.394 ug/L

RT: 4.06 min Scan# 405

Delta R.T. 0.01 min

Lab File: VW003740.D

Acq: 06 Jul 2018 14:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD10085

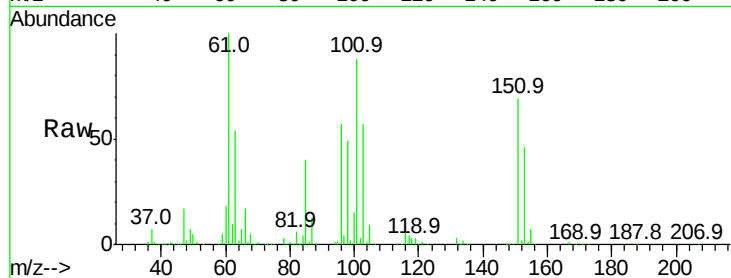
Tgt Ion: 101 Resp: 520158

Ion Ratio Lower Upper

101 100

85 45.0 35.5 53.3

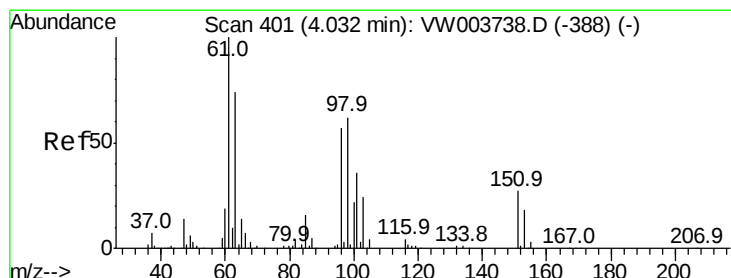
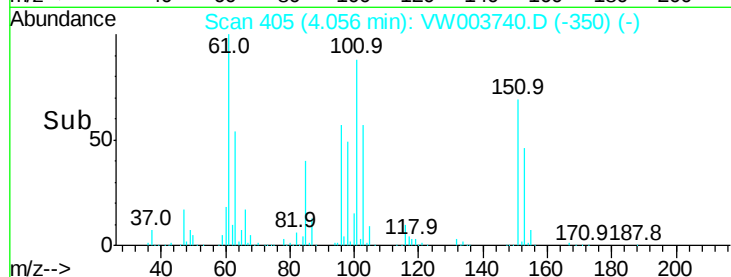
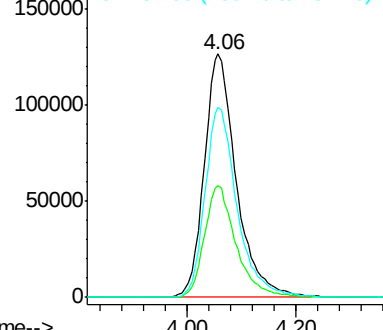
151 77.5 62.9 94.3



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: 107.509 ug/L

RT: 4.03 min Scan# 401

Delta R.T. 0.00 min

Lab File: VW003740.D

Acq: 06 Jul 2018 14:32

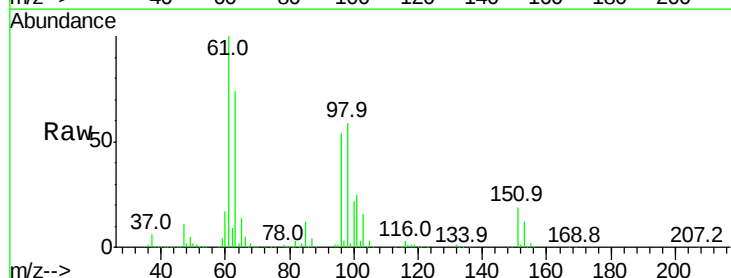
Tgt Ion: 96 Resp: 511222

Ion Ratio Lower Upper

96 100

61 186.0 123.8 229.8

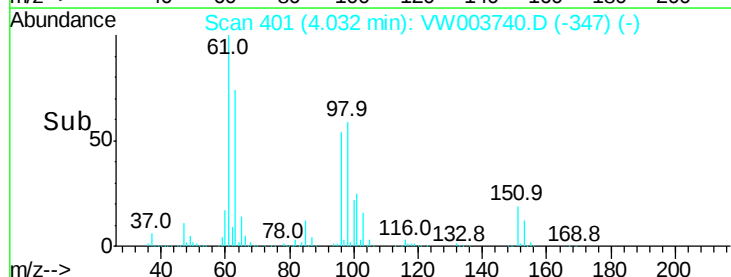
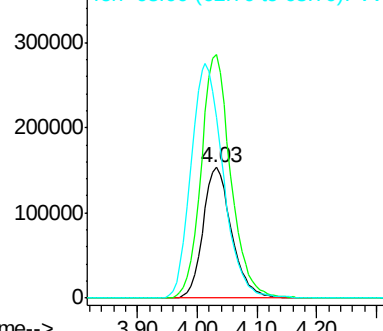
63 138.2 94.2 175.0

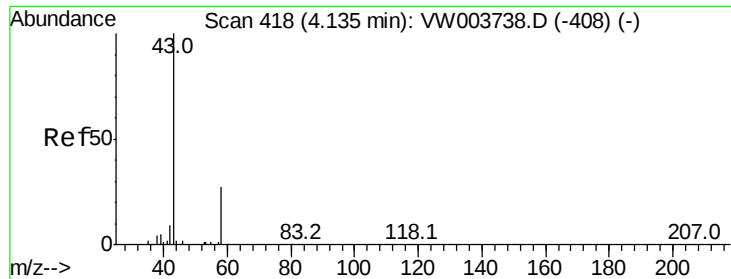


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 233.006 ug/L

RT: 4.14 min Scan# 418

Delta R.T. 0.00 min

Lab File: VW003740.D

Acq: 06 Jul 2018 14:32

Instrument :

MSVOA_W

ClientSampled :

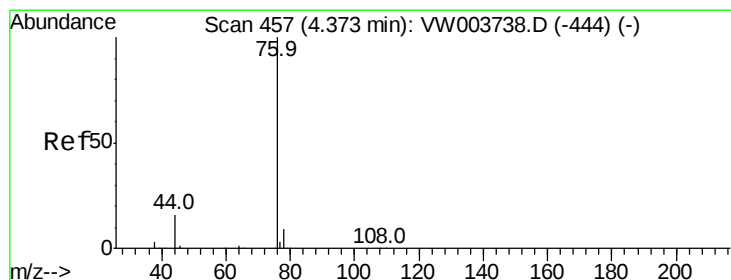
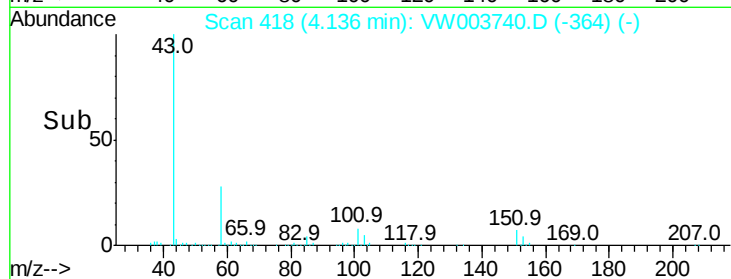
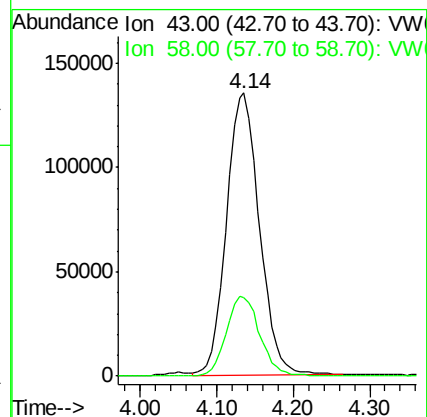
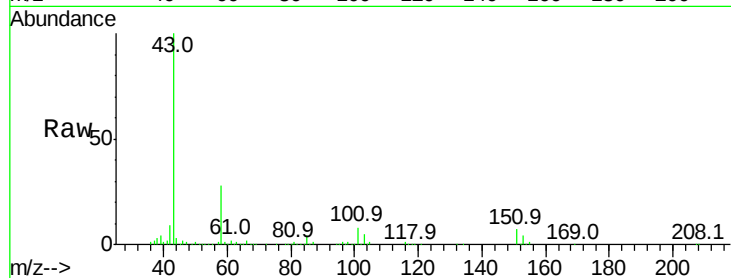
VSTD10085

Tgt Ion: 43 Resp: 403769

Ion Ratio Lower Upper

43 100

58 28.8 0.0 0.6#



#14

Carbon disulfide

Concen: 108.582 ug/L

RT: 4.37 min Scan# 457

Delta R.T. 0.00 min

Lab File: VW003740.D

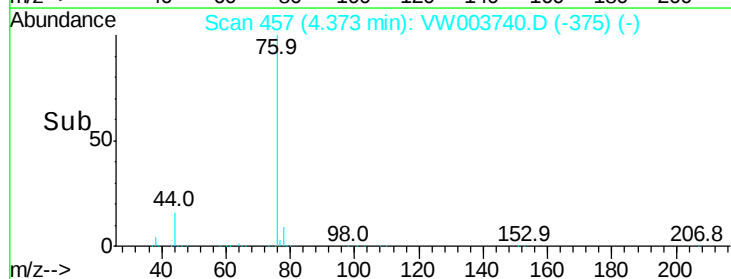
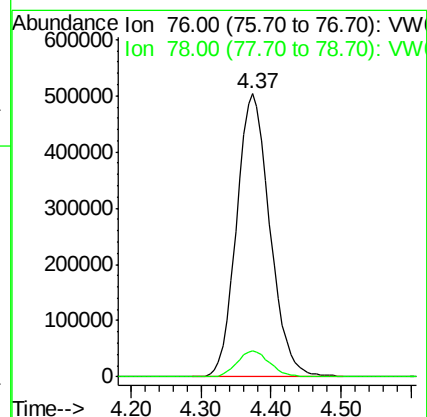
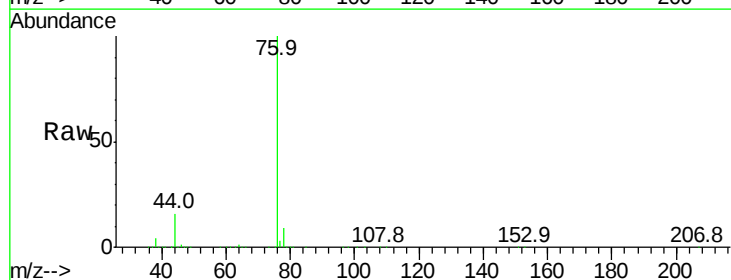
Acq: 06 Jul 2018 14:32

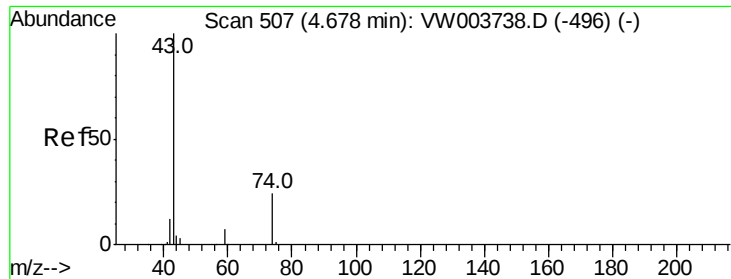
Tgt Ion: 76 Resp: 1665802

Ion Ratio Lower Upper

76 100

78 9.1 6.9 10.3

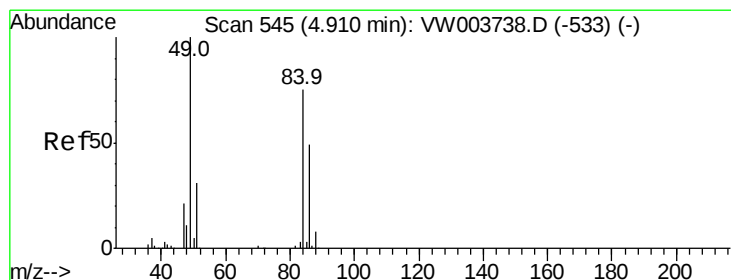
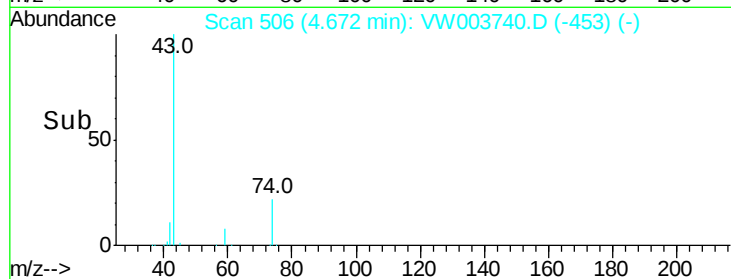
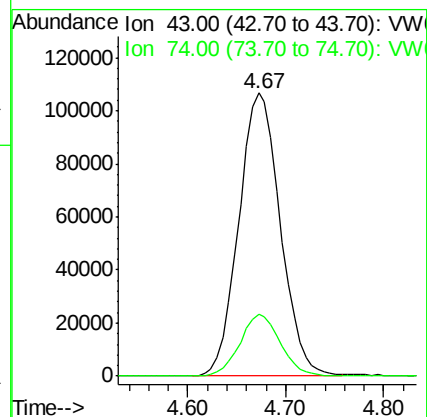
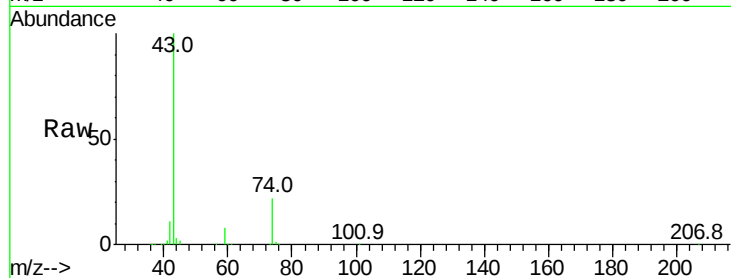




#15
Methyl Acetate
Concen: 110.191 ug/L
RT: 4.67 min Scan# 506
Delta R.T. -0.01 min
Lab File: VW003740.D
Acq: 06 Jul 2018 14:32

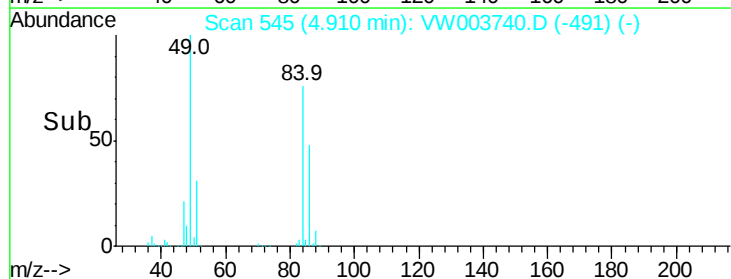
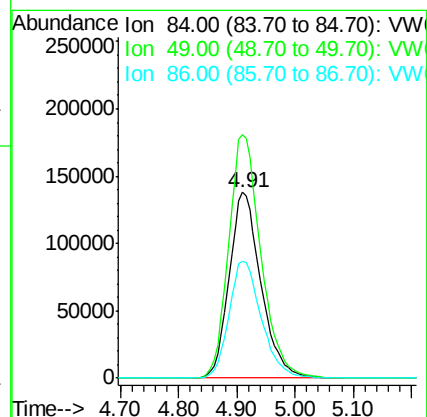
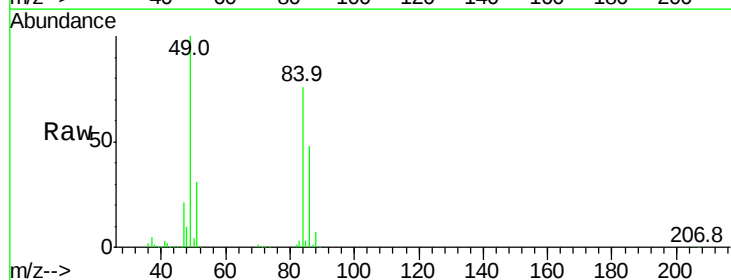
Instrument :
MSVOA_W
ClientSampleId :
VSTD10085

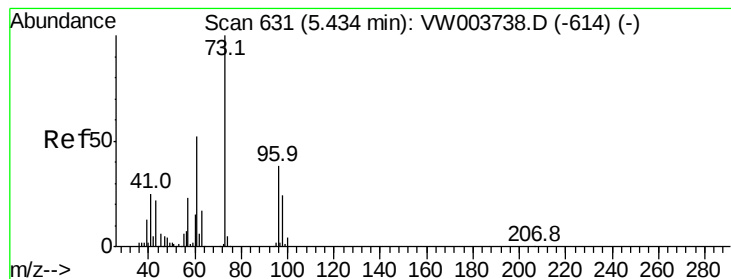
Tgt Ion: 43 Resp: 312974
Ion Ratio Lower Upper
43 100
74 21.3 17.7 26.5



#16
Methylene chloride
Concen: 99.292 ug/L
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003740.D
Acq: 06 Jul 2018 14:32

Tgt Ion: 84 Resp: 520458
Ion Ratio Lower Upper
84 100
49 131.3 93.5 173.7
86 62.9 45.6 84.8



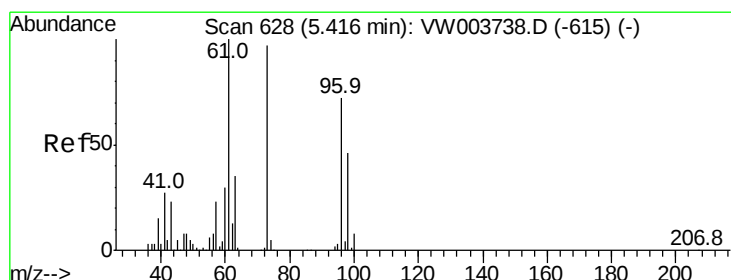
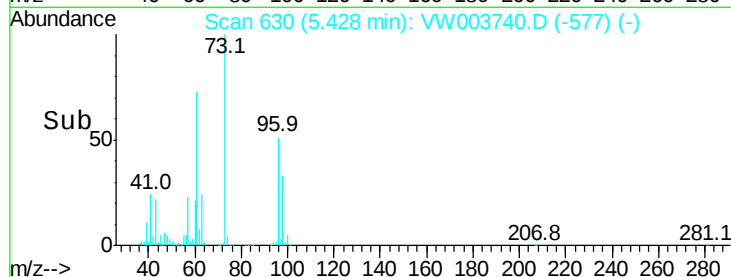
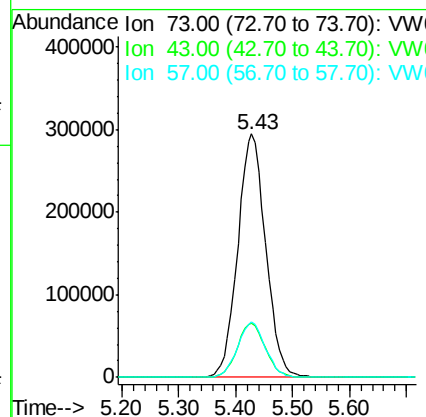
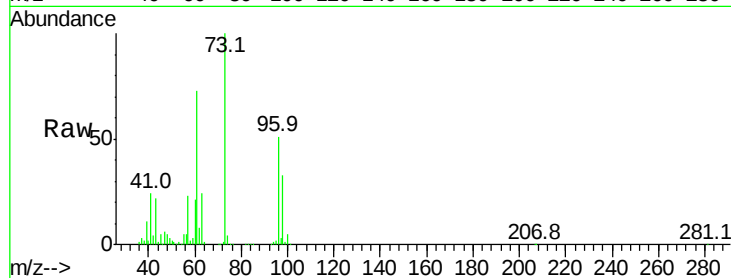


#17

Methyl tert-butyl Ether
 Concen: 115.070 ug/L
 RT: 5.43 min Scan# 630
 Delta R.T. -0.01 min
 Lab File: VW003740.D
 Acq: 06 Jul 2018 14:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10085

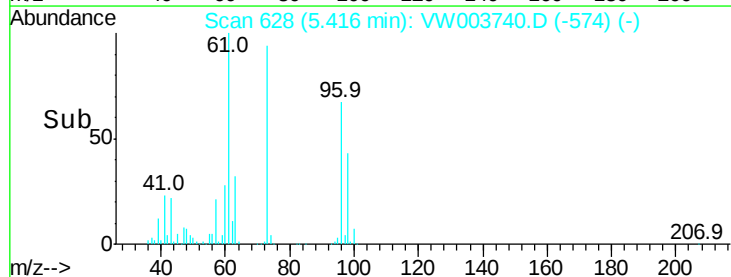
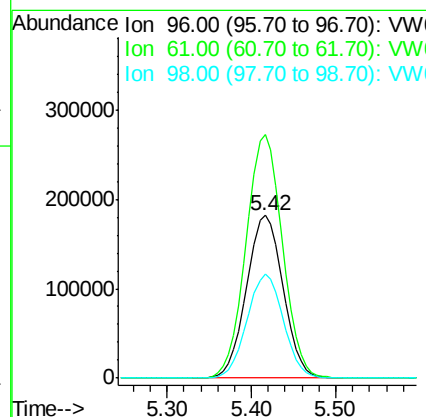
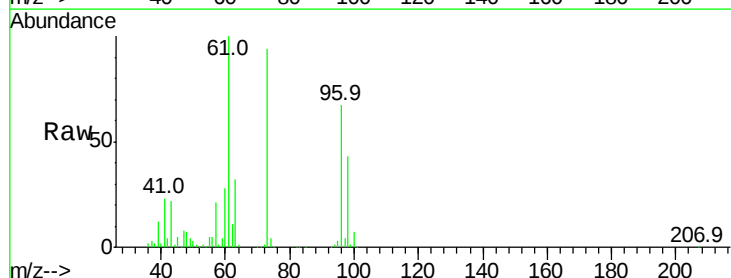
Tgt Ion: 73 Resp: 1009565
 Ion Ratio Lower Upper
 73 100
 43 22.4 18.2 27.4
 57 22.6 18.4 27.6

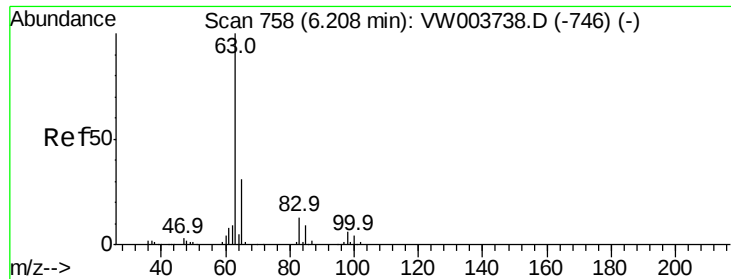


#18

trans-1,2-Dichloroethene
 Concen: 108.474 ug/L
 RT: 5.42 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: VW003740.D
 Acq: 06 Jul 2018 14:32

Tgt Ion: 96 Resp: 537451
 Ion Ratio Lower Upper
 96 100
 61 149.4 97.5 181.1
 98 64.2 44.6 82.8





#19

1,1-Dichloroethane

Concen: 107.024 ug/L

RT: 6.21 min Scan# 759

Delta R.T. 0.01 min

Lab File: VW003740.D

Acq: 06 Jul 2018 14:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD10085

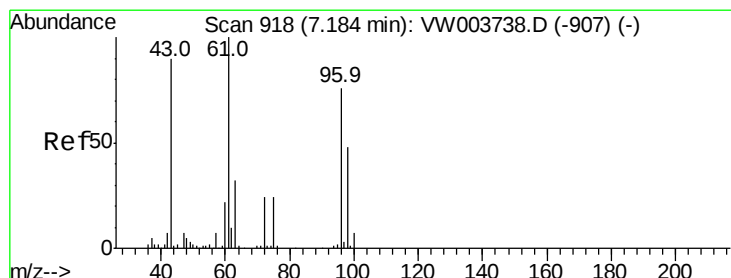
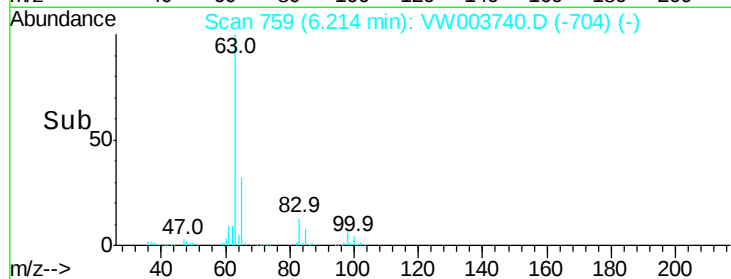
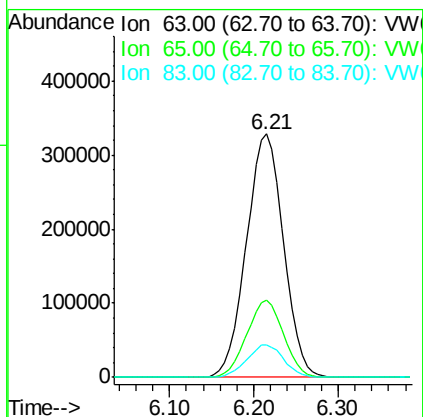
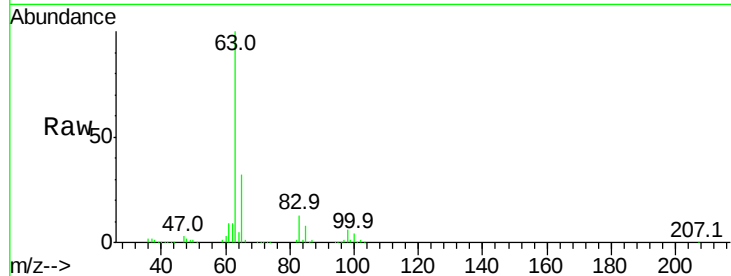
Tgt Ion: 63 Resp: 989574

Ion Ratio Lower Upper

63 100

65 31.9 22.0 41.0

83 13.4 9.2 17.2



#21

2-Butanone

Concen: 239.929 ug/L

RT: 7.18 min Scan# 917

Delta R.T. -0.01 min

Lab File: VW003740.D

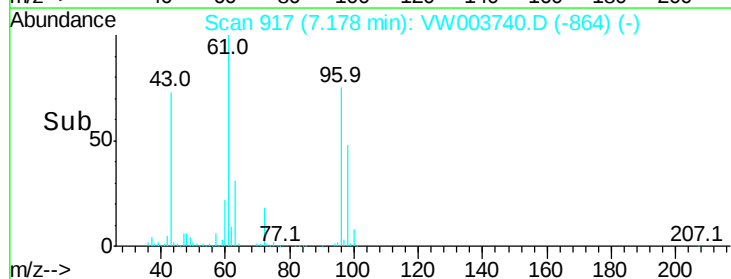
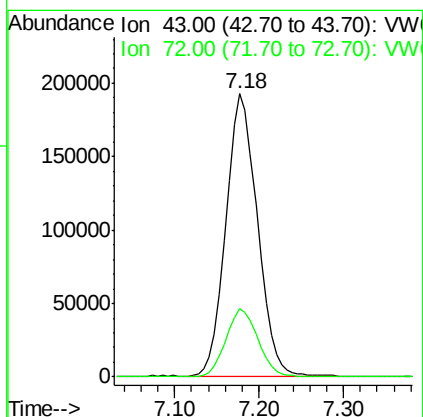
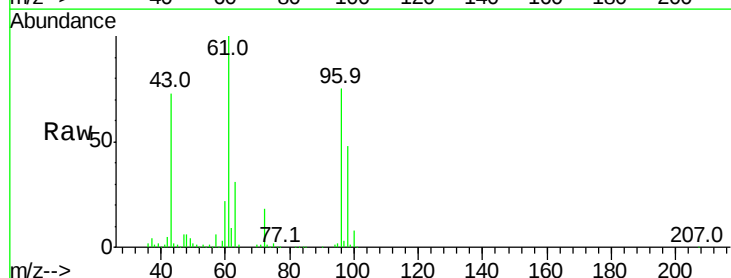
Acq: 06 Jul 2018 14:32

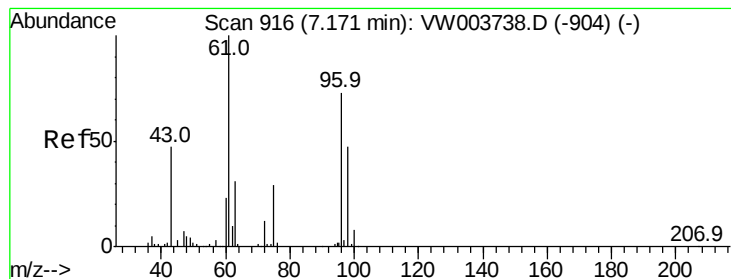
Tgt Ion: 43 Resp: 488570

Ion Ratio Lower Upper

43 100

72 24.7 12.6 37.6



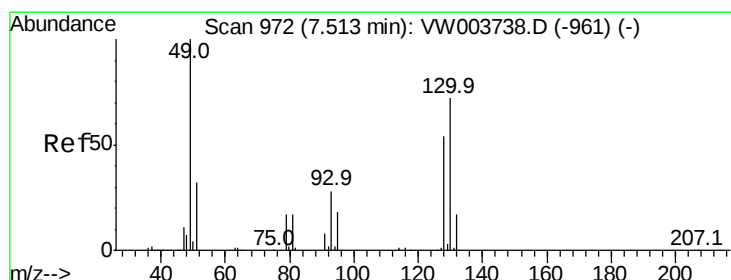
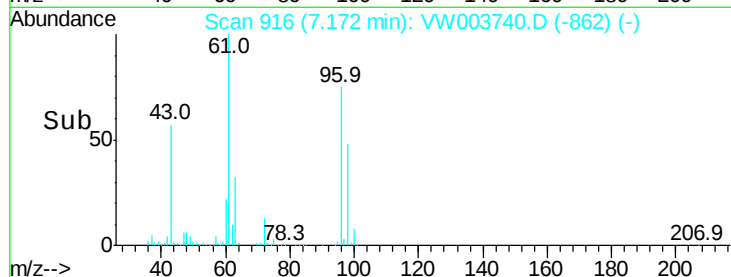
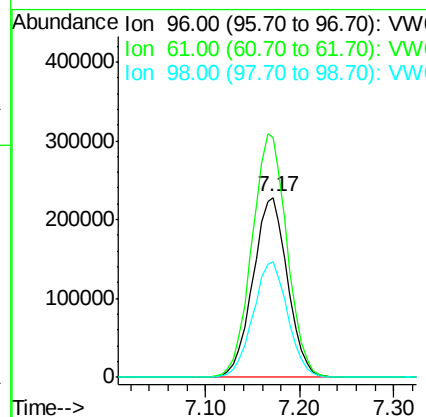
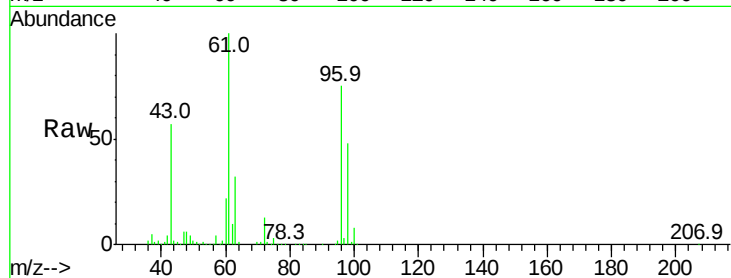


#22

cis-1,2-Dichloroethene
Concen: 111.728 ug/L
RT: 7.17 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW003740.D
Acq: 06 Jul 2018 14:32

Instrument :
MSVOA_W
ClientSampleId :
VSTD10085

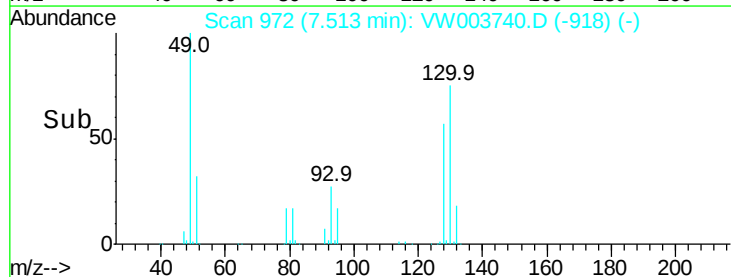
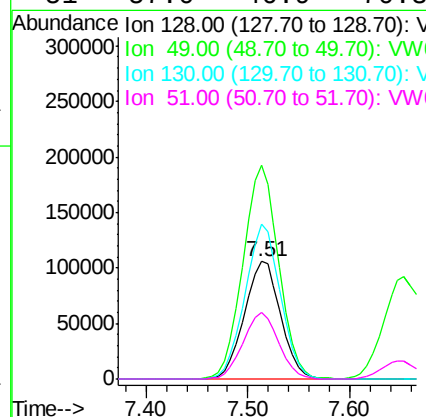
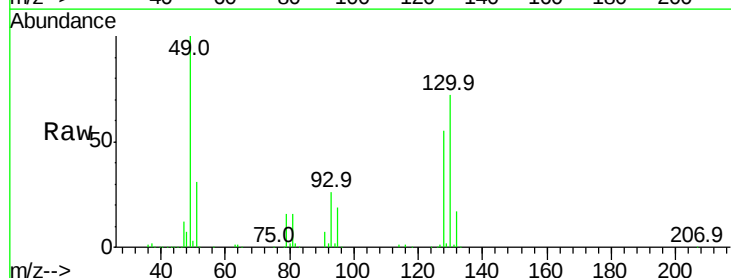
Tgt Ion: 96 Resp: 588311
Ion Ratio Lower Upper
96 100
61 133.4 96.3 178.9
98 64.3 45.1 83.7

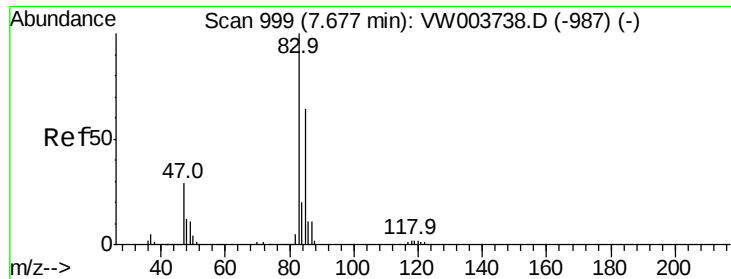


#23

Bromochloromethane
Concen: 106.881 ug/L
RT: 7.51 min Scan# 972
Delta R.T. 0.00 min
Lab File: VW003740.D
Acq: 06 Jul 2018 14:32

Tgt Ion: 128 Resp: 260345
Ion Ratio Lower Upper
128 100
49 182.3 129.4 240.2
130 131.9 92.5 171.9
51 57.0 46.9 70.3





#25

Chloroform

Concen: 106.019 ug/L

RT: 7.68 min Scan# 999

Delta R.T. 0.00 min

Lab File: VW003740.D

Acq: 06 Jul 2018 14:32

Instrument :

MSVOA_W

ClientSampleId :

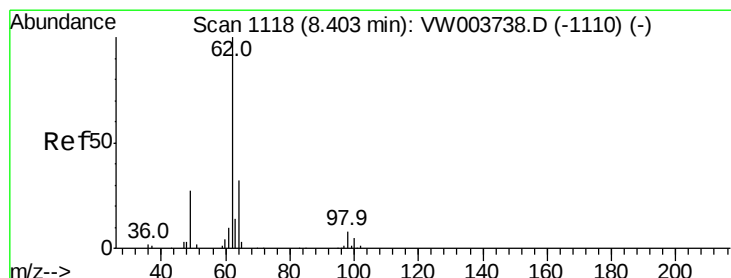
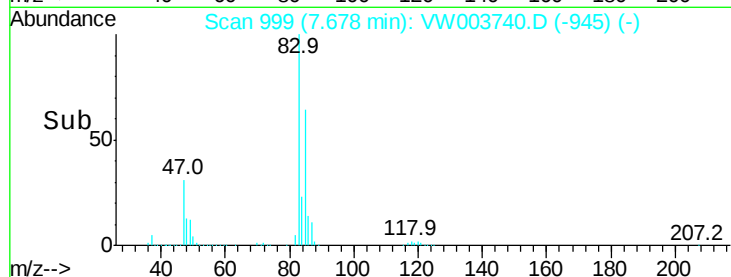
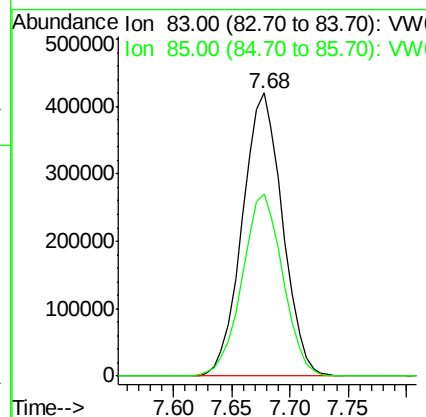
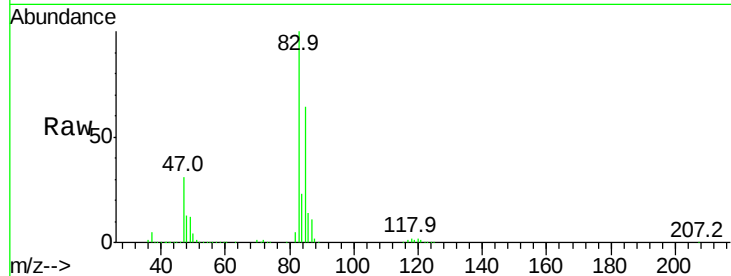
VSTD10085

Tgt Ion: 83 Resp: 1007824

Ion Ratio Lower Upper

83 100

85 65.4 45.9 85.3



#27

1,2-Dichloroethane

Concen: 106.613 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW003740.D

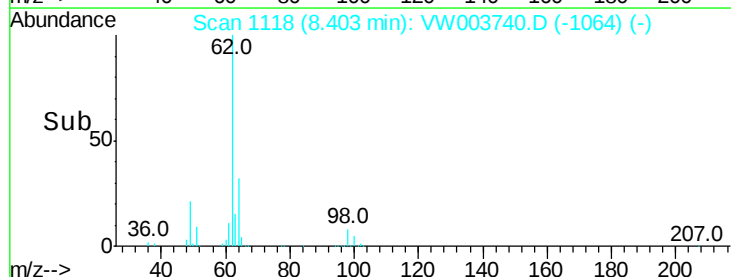
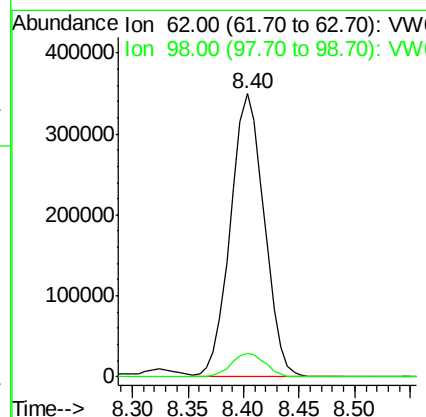
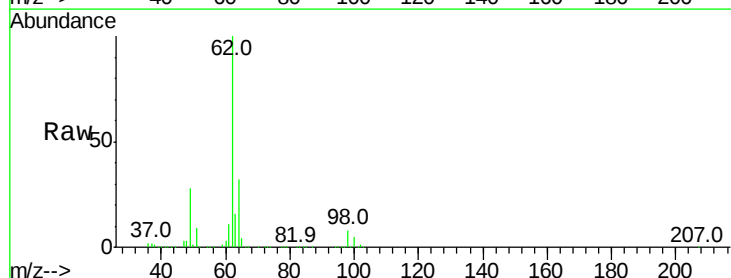
Acq: 06 Jul 2018 14:32

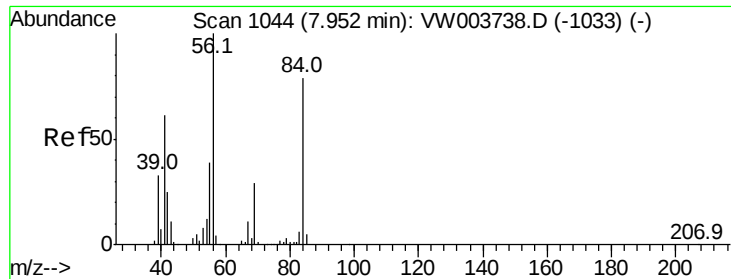
Tgt Ion: 62 Resp: 733911

Ion Ratio Lower Upper

62 100

98 8.3 6.6 10.0

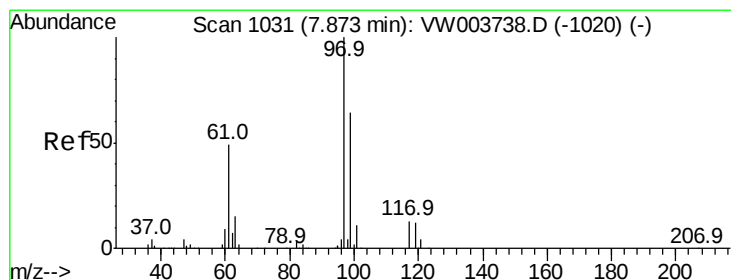
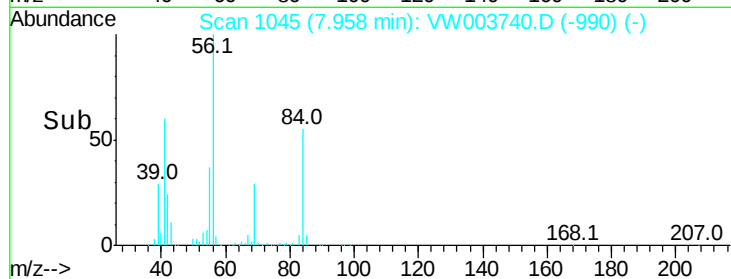
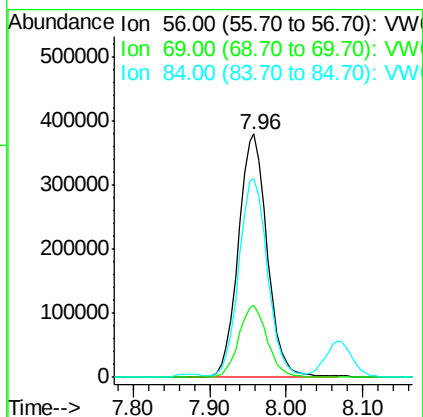
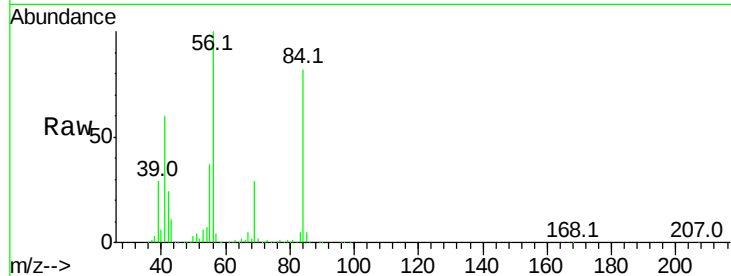




#30
Cyclohexane
Concen: 117.969 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VW003740.D
Acq: 06 Jul 2018 14:32

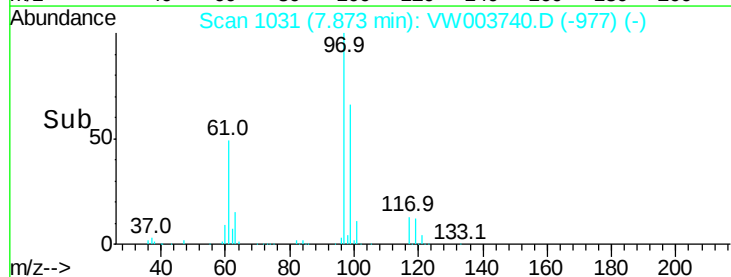
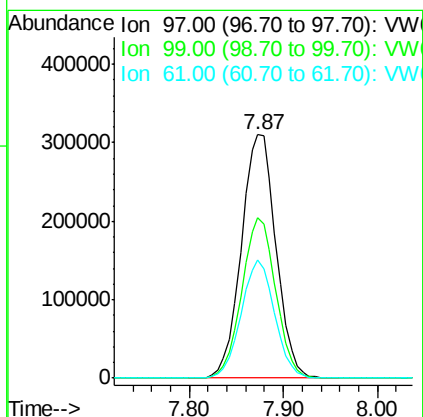
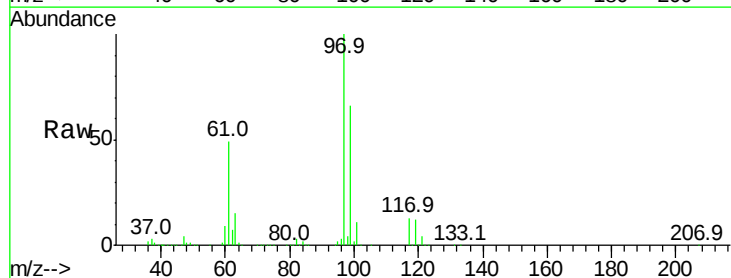
Instrument :
MSVOA_W
ClientSampleId :
VSTD10085

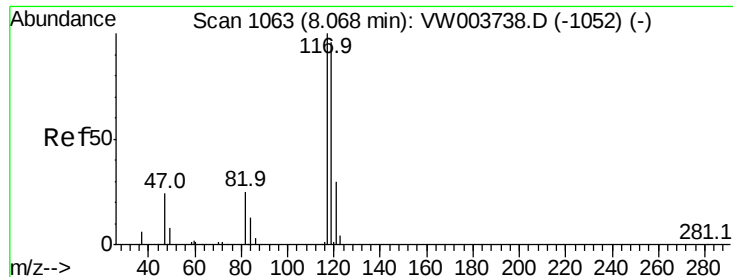
Tgt Ion: 56 Resp: 992752
Ion Ratio Lower Upper
56 100
69 29.3 23.5 35.3
84 81.6 65.8 98.8



#31
1,1,1-Trichloroethane
Concen: 99.578 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW003740.D
Acq: 06 Jul 2018 14:32

Tgt Ion: 97 Resp: 797416
Ion Ratio Lower Upper
97 100
99 64.4 51.4 77.2
61 47.1 38.2 57.2





#32

Carbon tetrachloride

Concen: 104.465 ug/L

RT: 8.07 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VW003740.D

Acq: 06 Jul 2018 14:32

Instrument :

MSVOA_W

ClientSampleId :

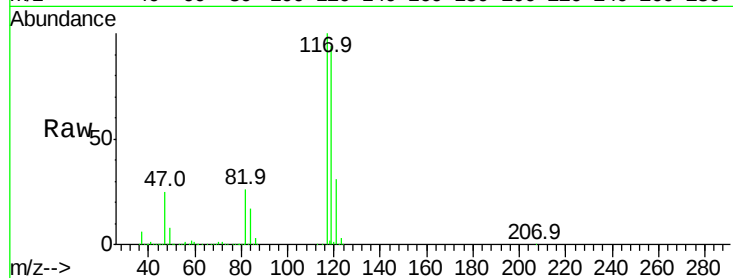
VSTD10085

Tgt Ion:117 Resp: 808189

Ion Ratio Lower Upper

117 100

119 95.5 76.1 114.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

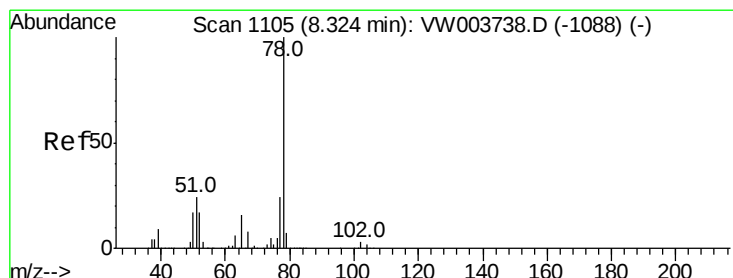
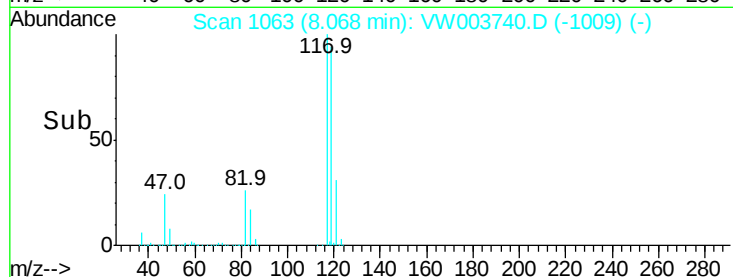
300000

200000

100000

0

Time-->



#34

Benzene

Concen: 108.466 ug/L

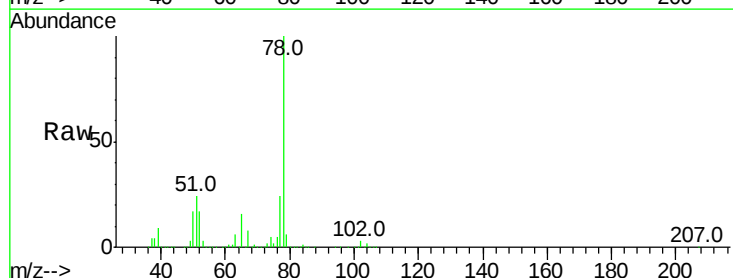
RT: 8.32 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VW003740.D

Acq: 06 Jul 2018 14:32

Tgt Ion: 78 Resp: 2254481



Abundance Ion 78.00 (77.70 to 78.70): VW

1200000

1000000

800000

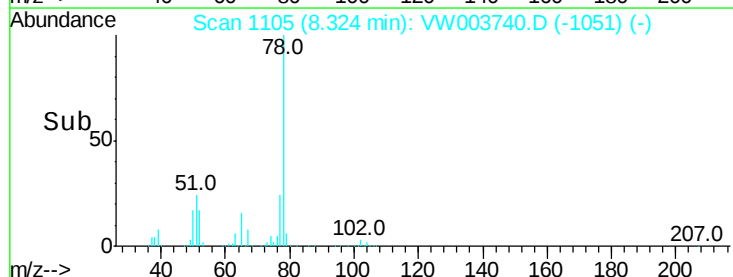
600000

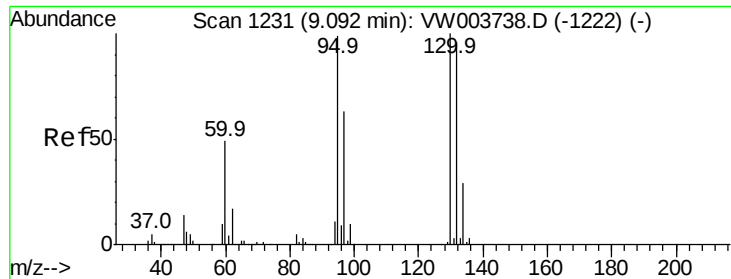
400000

200000

0

Time-->

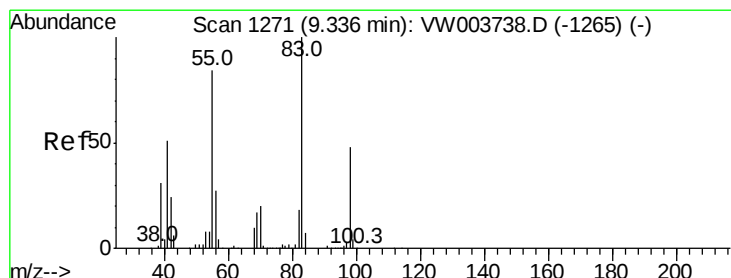
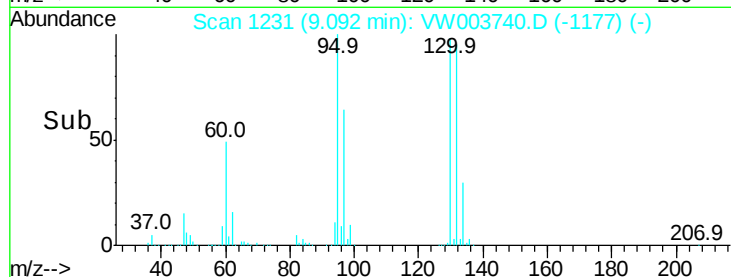
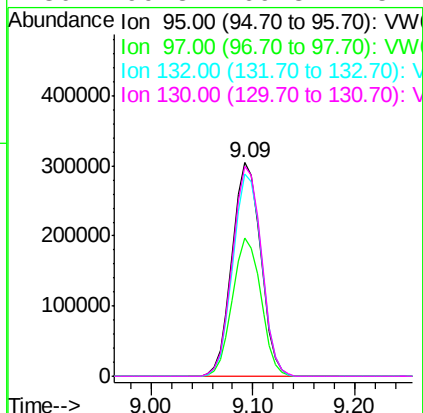
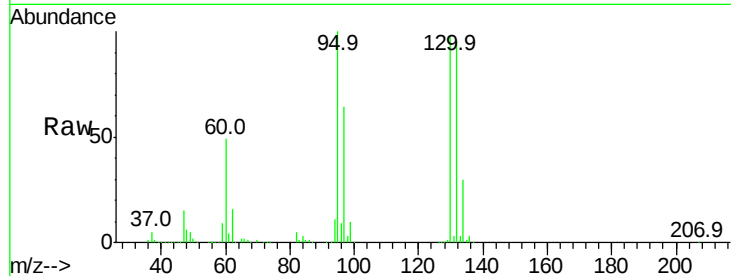




#35
 Trichloroethene
 Concen: 105.749 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: VW003740.D
 Acq: 06 Jul 2018 14:32

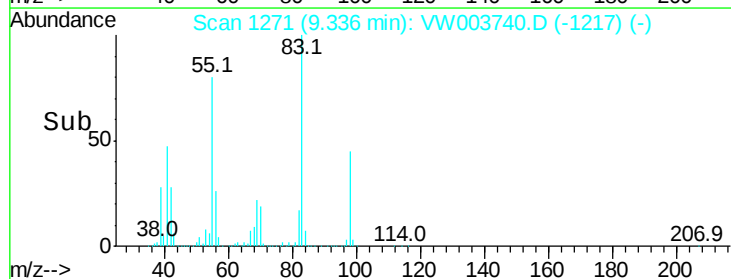
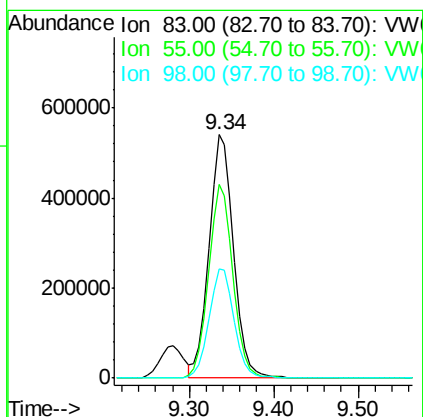
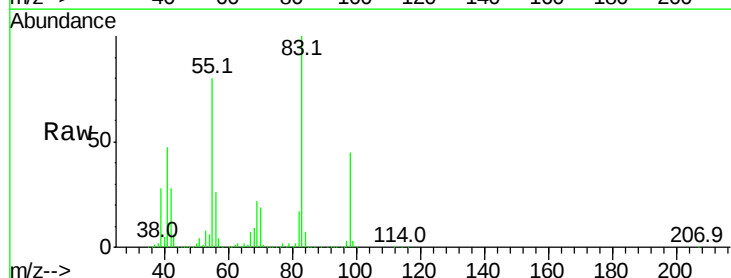
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10085

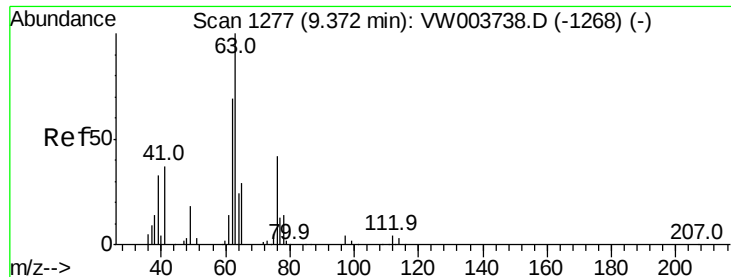
Tgt Ion: 95 Resp: 592412
 Ion Ratio Lower Upper
 95 100
 97 64.4 44.6 82.8
 132 95.5 67.3 124.9
 130 99.3 69.3 128.7



#36
 Methylcyclohexane
 Concen: 113.665 ug/L
 RT: 9.34 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VW003740.D
 Acq: 06 Jul 2018 14:32

Tgt Ion: 83 Resp: 1087056
 Ion Ratio Lower Upper
 83 100
 55 79.8 64.3 96.5
 98 45.8 37.0 55.6





#40

1,2-Dichloropropane

Concen: 108.356 ug/L

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW003740.D

Acq: 06 Jul 2018 14:32

Instrument :

MSVOA_W

ClientSampleId :

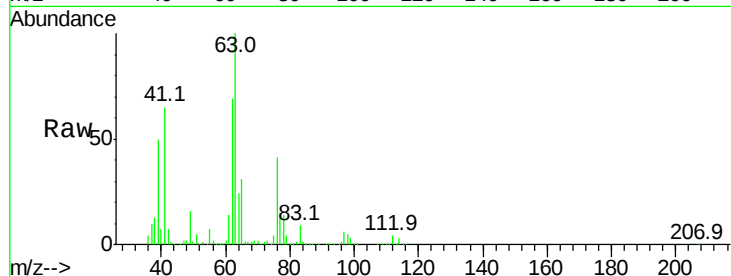
VSTD10085

Tgt Ion: 63 Resp: 592678

Ion Ratio Lower Upper

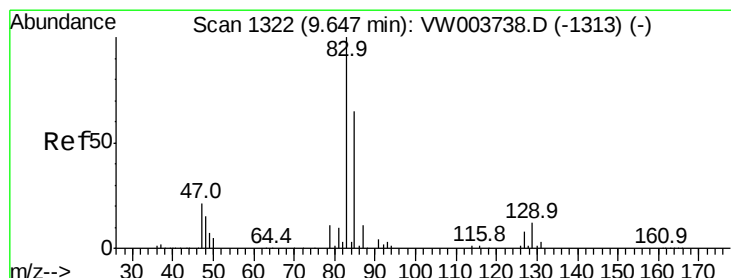
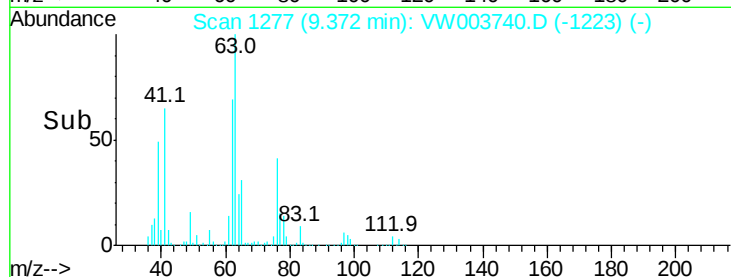
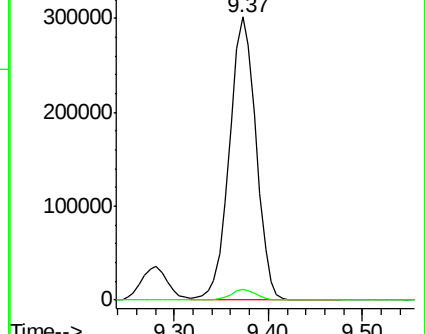
63 100

112 3.8 3.1 4.7



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 109.142 ug/L

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW003740.D

Acq: 06 Jul 2018 14:32

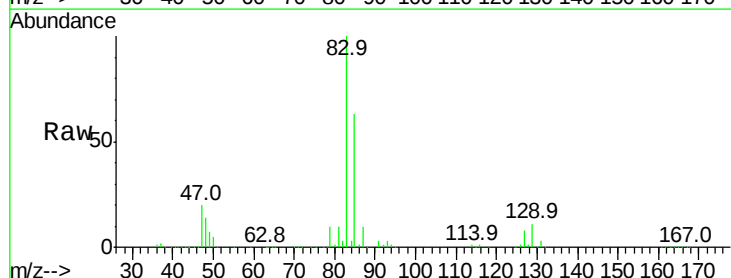
Tgt Ion: 83 Resp: 767317

Ion Ratio Lower Upper

83 100

85 62.8 45.8 85.0

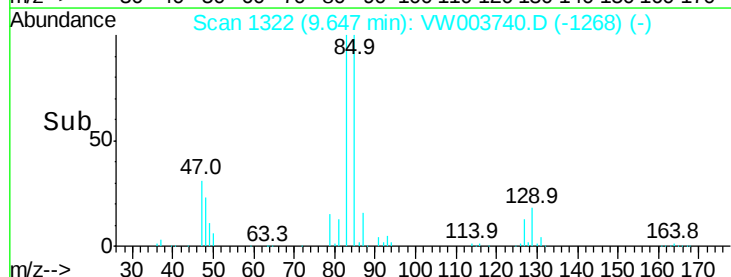
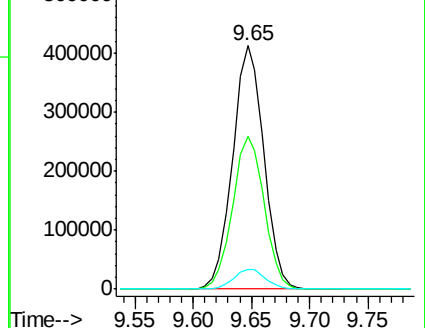
127 8.2 6.6 10.0

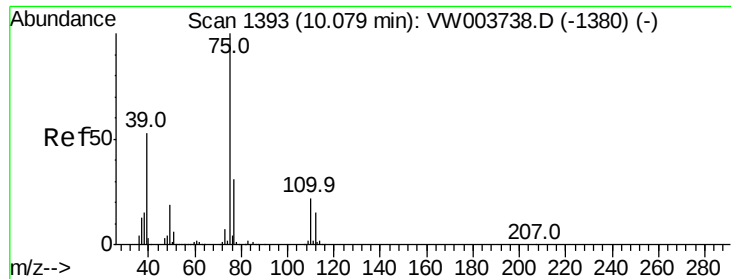


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 118.207 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW003740.D

Acq: 06 Jul 2018 14:32

Instrument :

MSVOA_W

ClientSampleId :

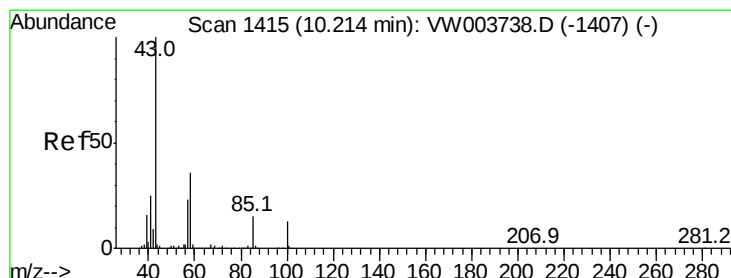
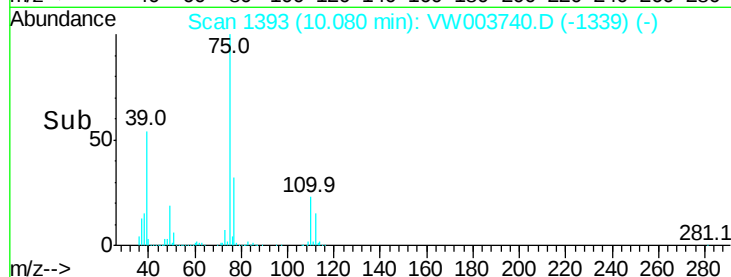
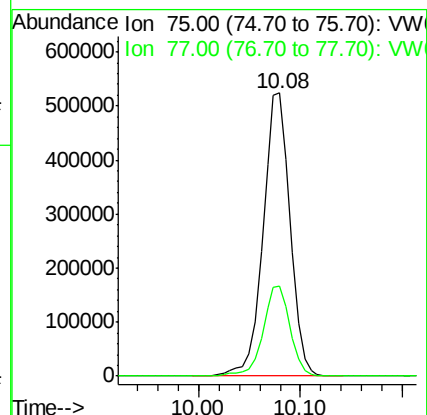
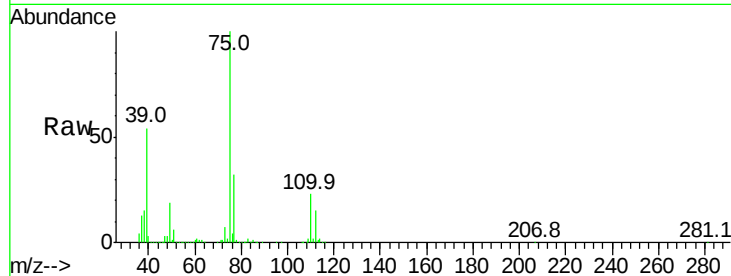
VSTD10085

Tgt Ion: 75 Resp: 964935

Ion Ratio Lower Upper

75 100

77 31.8 21.4 39.8



#43

4-Methyl-2-pentanone

Concen: 241.752 ug/L

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW003740.D

Acq: 06 Jul 2018 14:32

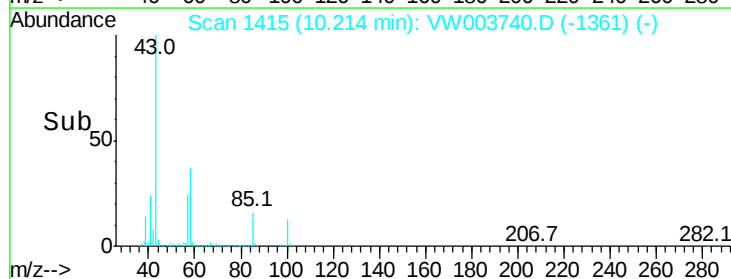
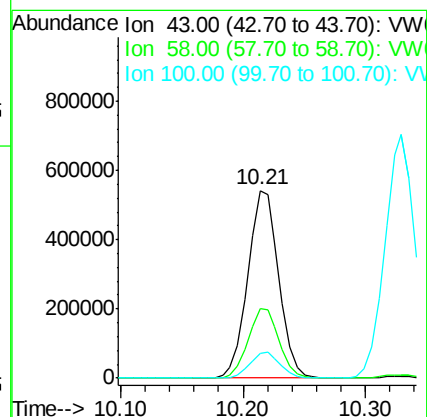
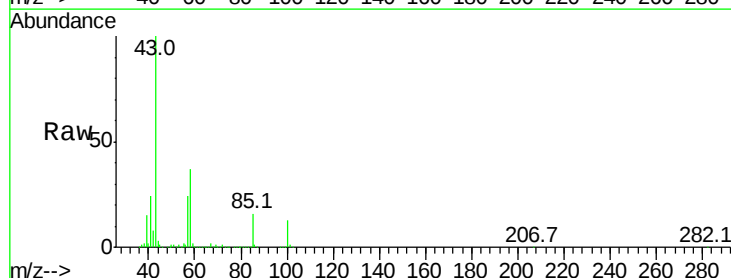
Tgt Ion: 43 Resp: 944687

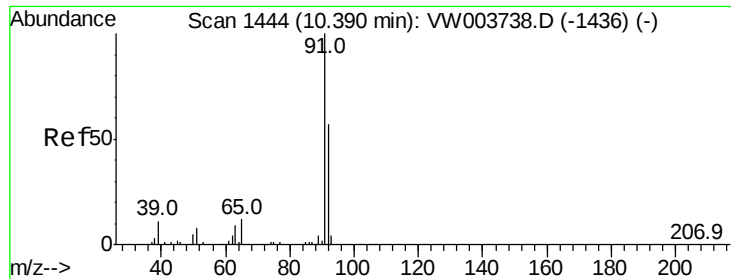
Ion Ratio Lower Upper

43 100

58 37.0 28.6 42.8

100 13.6 10.7 16.1





#44

Toluene

Concen: 109.565 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003740.D

Acq: 06 Jul 2018 14:32

Instrument :

MSVOA_W

ClientSampleId :

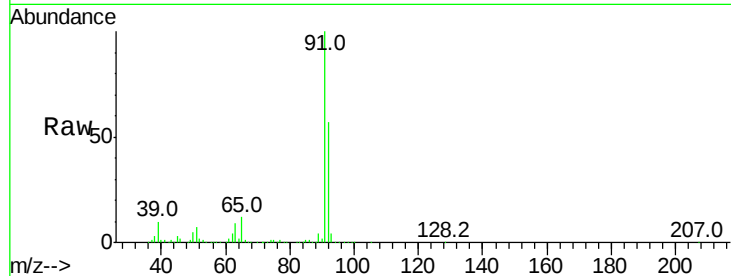
VSTD10085

Tgt Ion: 91 Resp: 2469806

Ion Ratio Lower Upper

91 100

92 57.0 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

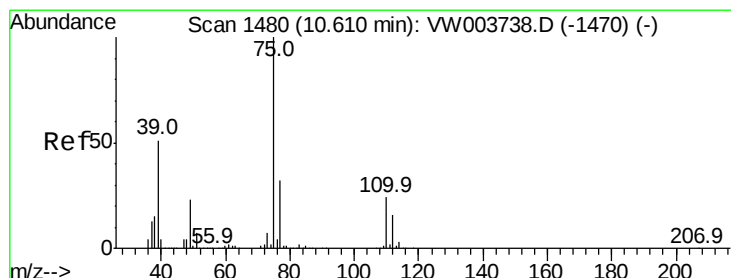
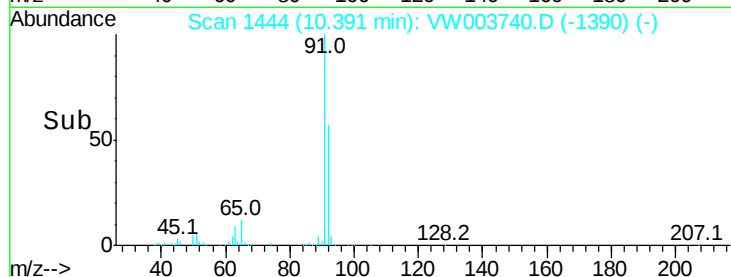
1500000

1000000

500000

0

Time--> 10.30 10.40 10.50



#45

trans-1,3-Dichloropropene

Concen: 117.381 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW003740.D

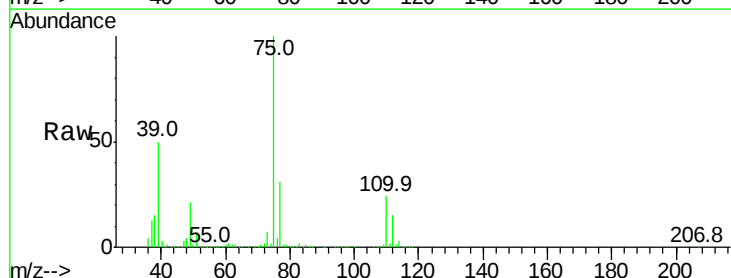
Acq: 06 Jul 2018 14:32

Tgt Ion: 75 Resp: 867069

Ion Ratio Lower Upper

75 100

77 31.4 22.8 42.4



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

600000

500000

400000

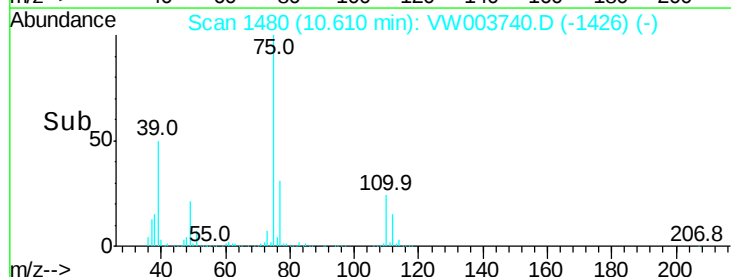
300000

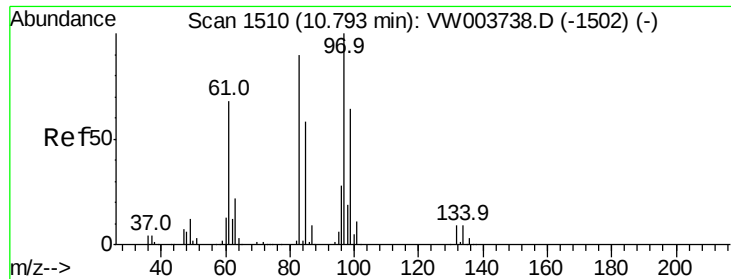
200000

100000

0

Time--> 10.50 10.60 10.70

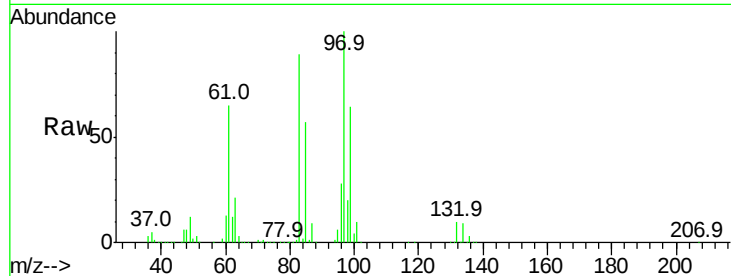




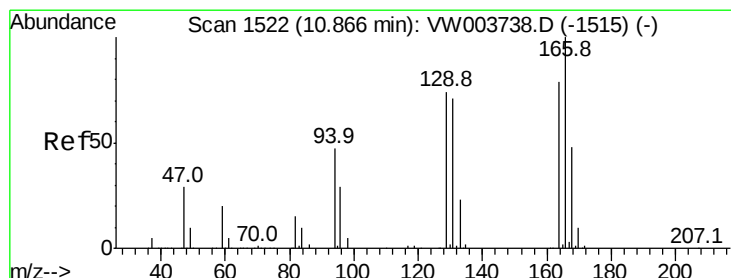
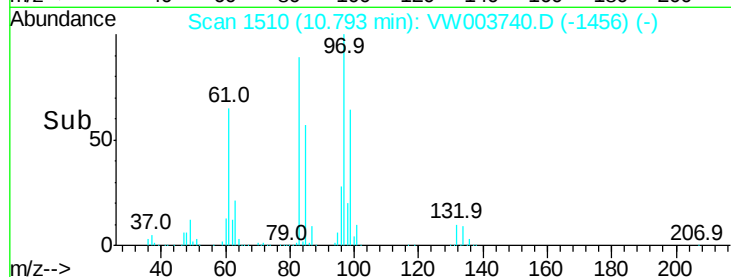
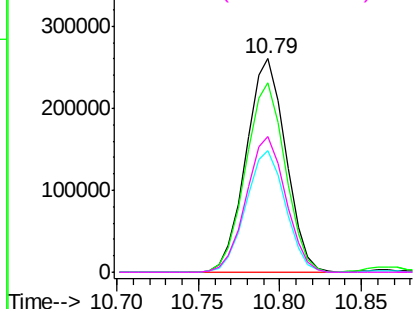
#46
 1,1,2-Trichloroethane
 Concen: 108.594 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW003740.D
 Acq: 06 Jul 2018 14:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10085

Tgt Ion: 97 Resp: 443432
 Ion Ratio Lower Upper
 97 100
 83 88.6 62.7 116.5
 85 56.7 40.3 74.9
 99 63.5 45.0 83.6

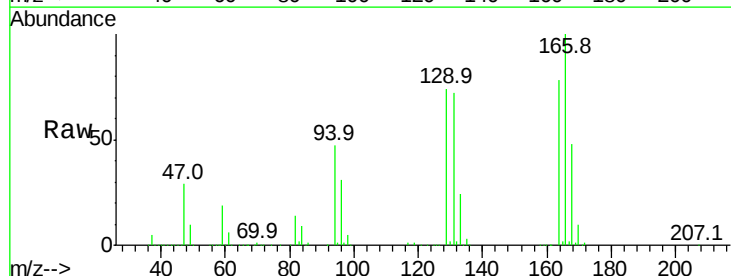


Abundance Ion 97.00 (96.70 to 97.70): VW
 Ion 83.00 (82.70 to 83.70): VW
 Ion 85.00 (84.70 to 85.70): VW
 Ion 99.00 (98.70 to 99.70): VW

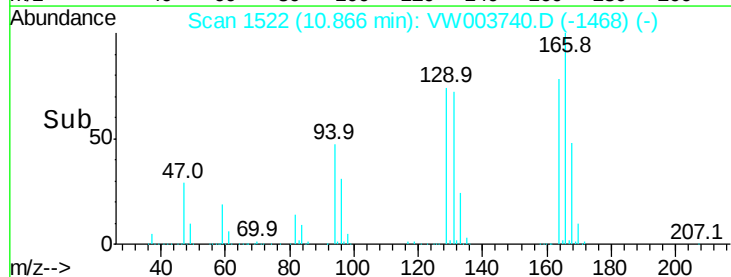
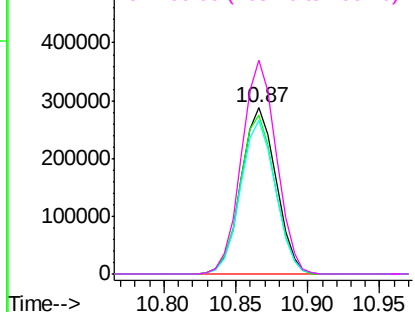


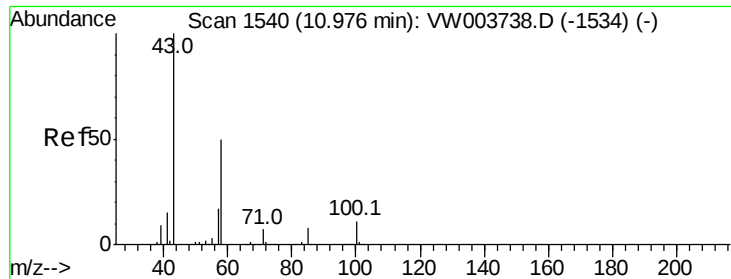
#47
 Tetrachloroethene
 Concen: 103.062 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. 0.00 min
 Lab File: VW003740.D
 Acq: 06 Jul 2018 14:32

Tgt Ion: 164 Resp: 485177
 Ion Ratio Lower Upper
 164 100
 129 95.7 65.9 122.3
 131 92.2 63.4 117.8
 166 128.5 89.0 165.4



Abundance Ion 164.00 (163.70 to 164.70): V
 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

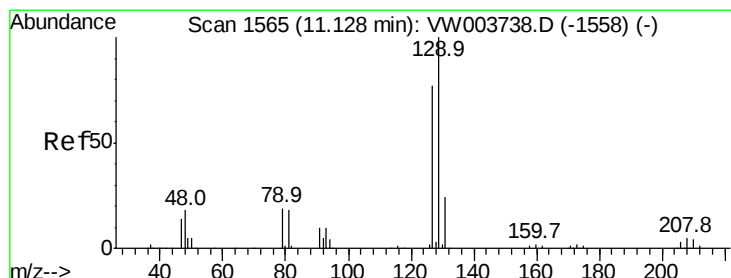
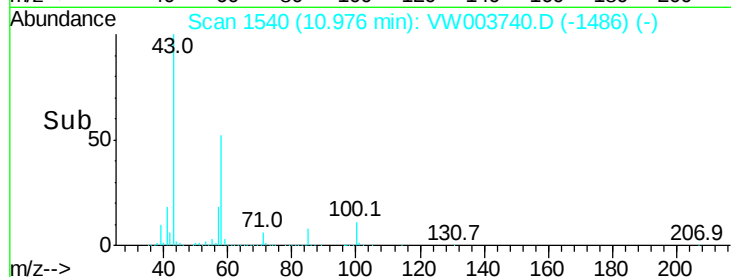
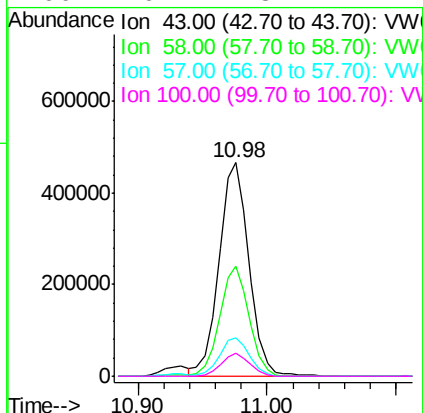
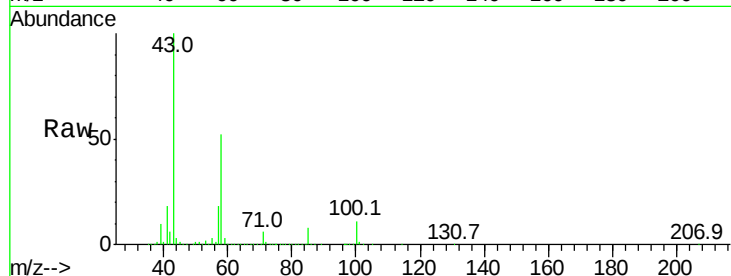




#49
2-Hexanone
Concen: 260.704 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW003740.D
Acq: 06 Jul 2018 14:32

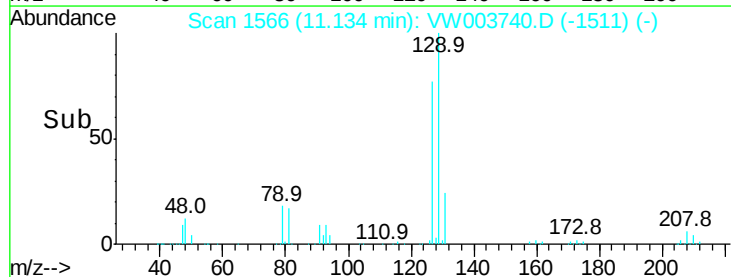
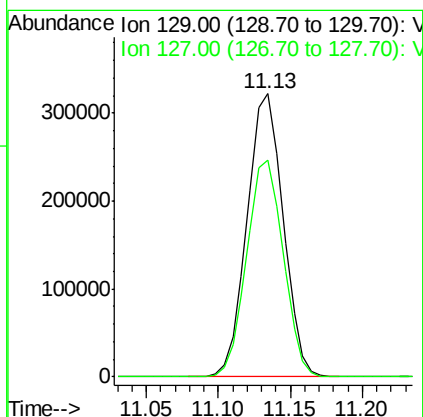
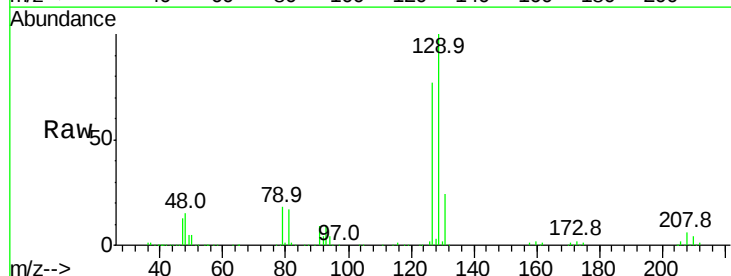
Instrument :
MSVOA_W
ClientSampleId :
VSTD10085

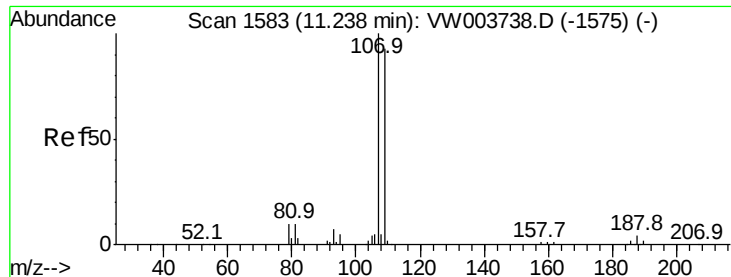
Tgt Ion: 43 Resp: 759168
Ion Ratio Lower Upper
43 100
58 50.3 39.4 59.2
57 17.8 14.2 21.4
100 10.2 8.2 12.4



#50
Dibromochloromethane
Concen: 112.408 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VW003740.D
Acq: 06 Jul 2018 14:32

Tgt Ion: 129 Resp: 558775
Ion Ratio Lower Upper
129 100
127 76.7 54.0 100.2

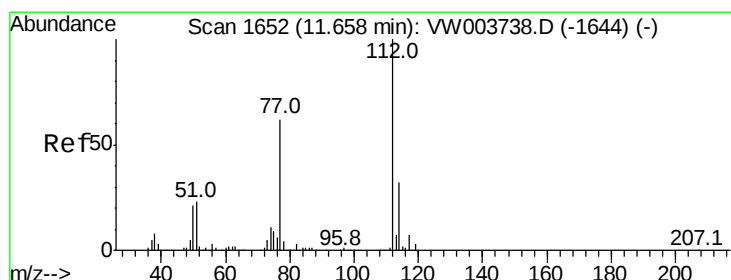
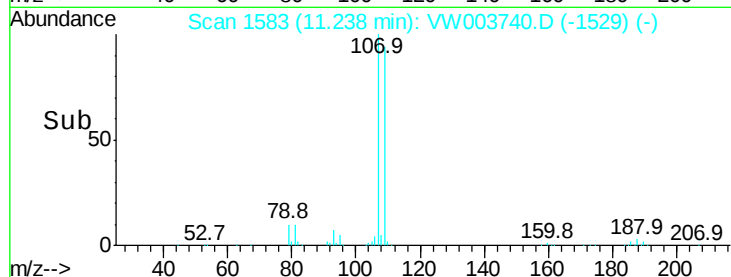
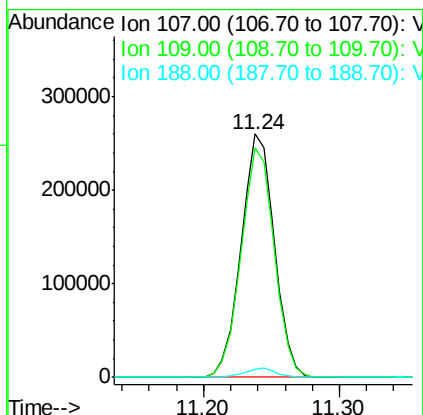
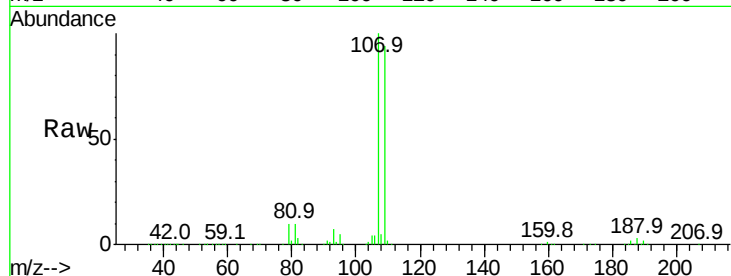




#51
1,2-Dibromoethane
Concen: 109.252 ug/L
RT: 11.24 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VW003740.D
Acq: 06 Jul 2018 14:32

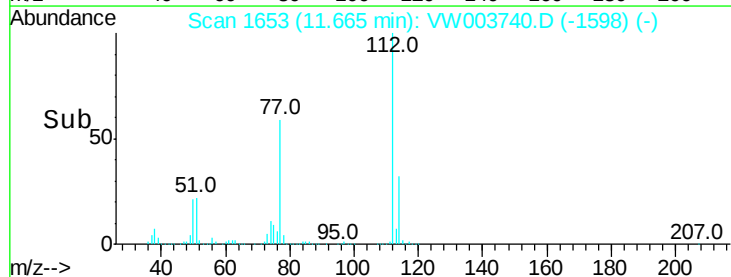
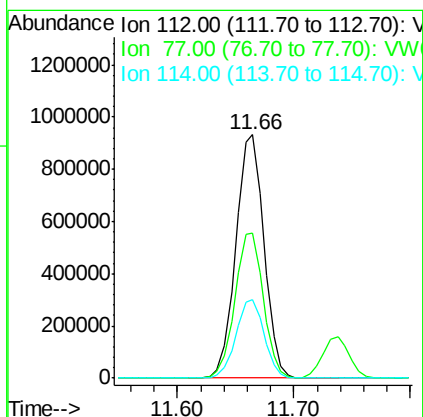
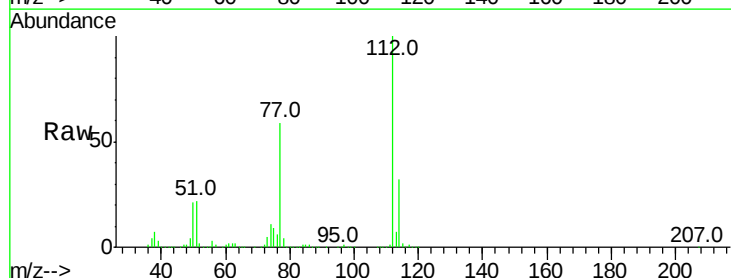
Instrument :
MSVOA_W
ClientSampleId :
VSTD10085

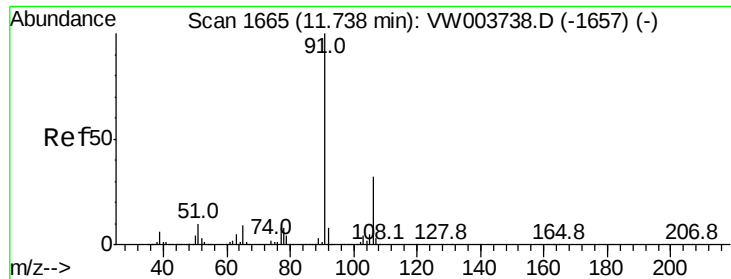
Tgt Ion:107 Resp: 443312
Ion Ratio Lower Upper
107 100
109 94.0 64.8 120.3
188 3.4 3.4 5.0



#52
Chlorobenzene
Concen: 107.165 ug/L
RT: 11.66 min Scan# 1653
Delta R.T. 0.01 min
Lab File: VW003740.D
Acq: 06 Jul 2018 14:32

Tgt Ion:112 Resp: 1568683
Ion Ratio Lower Upper
112 100
77 59.3 49.9 74.9
114 32.4 22.5 41.7





#53

Ethylbenzene

Concen: 112.920 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW003740.D

Acq: 06 Jul 2018 14:32

Instrument :

MSVOA_W

ClientSampleId :

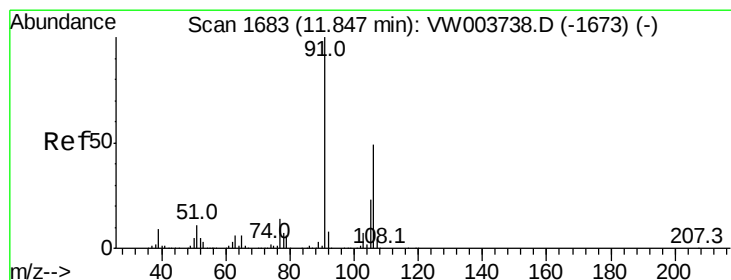
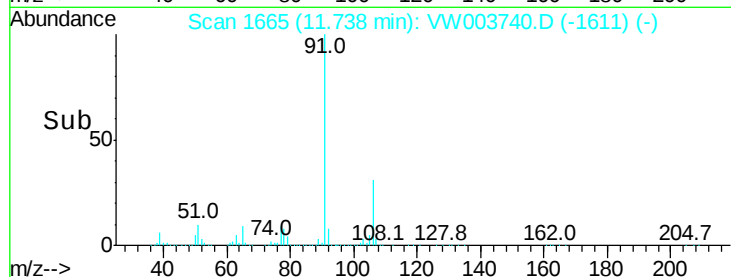
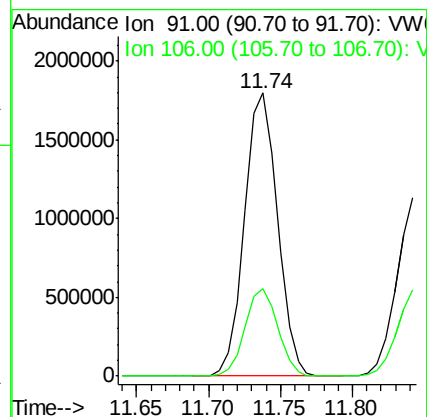
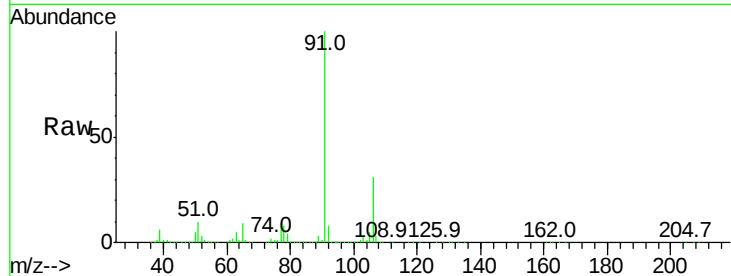
VSTD10085

Tgt Ion: 91 Resp: 2855061

Ion Ratio Lower Upper

91 100

106 30.9 22.1 41.1



#54

m,p-Xylene

Concen: 113.526 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW003740.D

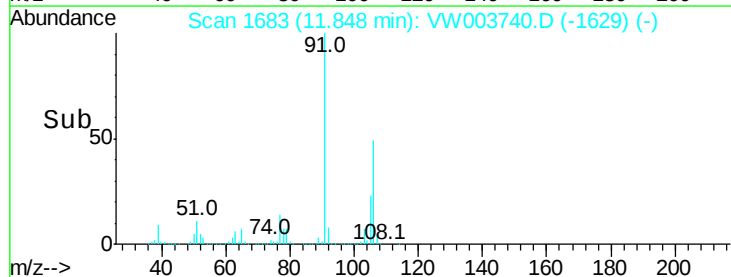
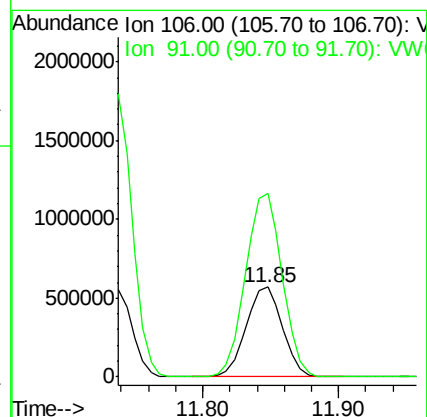
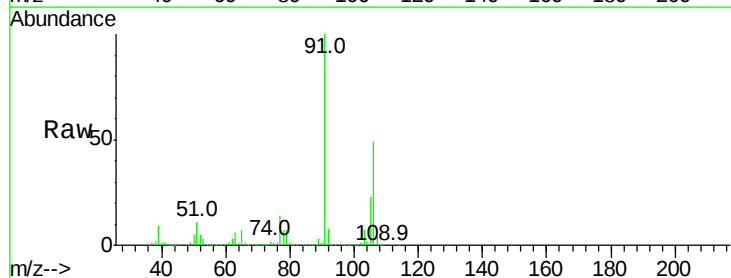
Acq: 06 Jul 2018 14:32

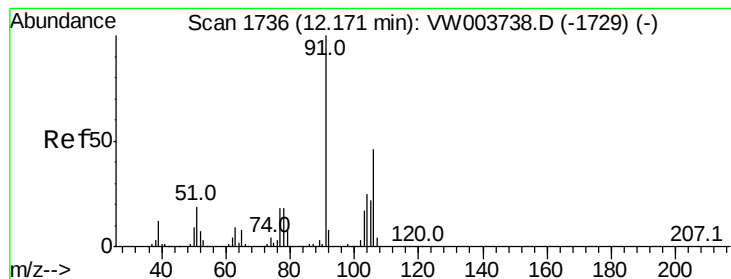
Tgt Ion: 106 Resp: 1066078

Ion Ratio Lower Upper

106 100

91 205.1 142.5 264.6





#55

o-xylene

Concen: 115.421 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VW003740.D

Acq: 06 Jul 2018 14:32

Instrument :

MSVOA_W

ClientSampleId :

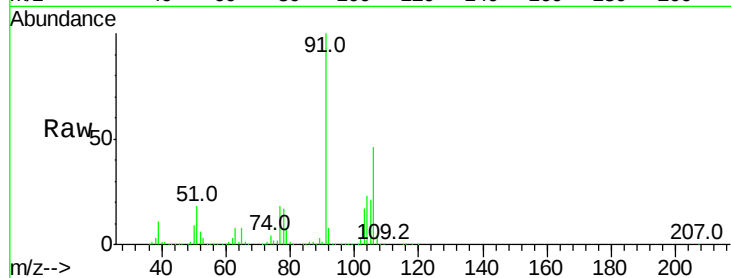
VSTD10085

Tgt Ion:106 Resp: 1030996

Ion Ratio Lower Upper

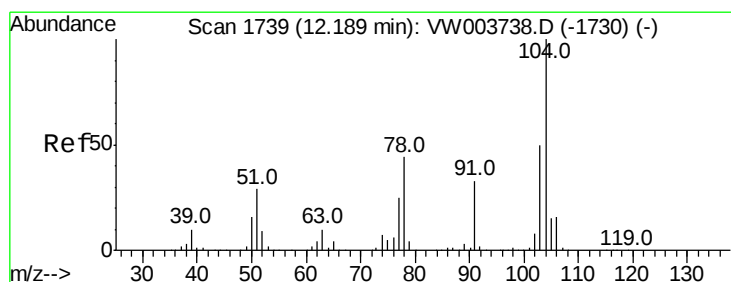
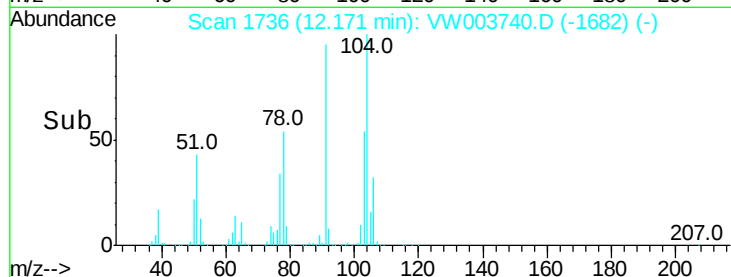
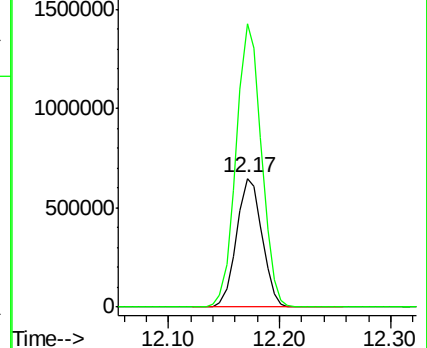
106 100

91 219.7 153.7 285.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 117.292 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VW003740.D

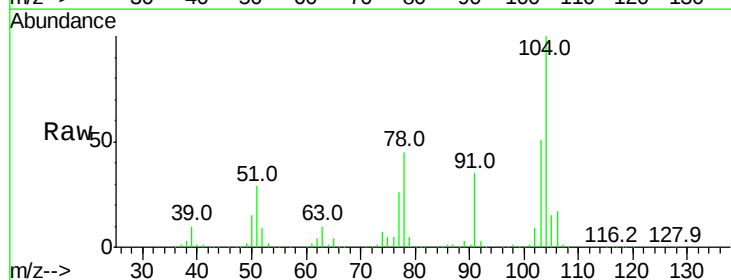
Acq: 06 Jul 2018 14:32

Tgt Ion:104 Resp: 1808838

Ion Ratio Lower Upper

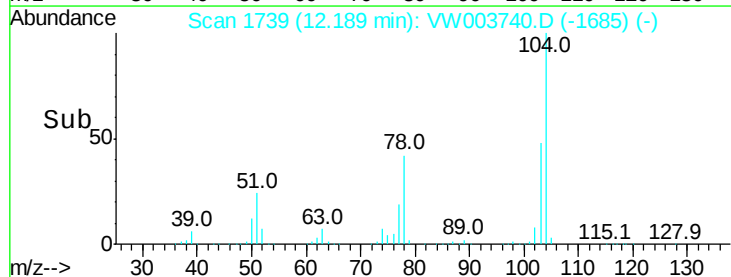
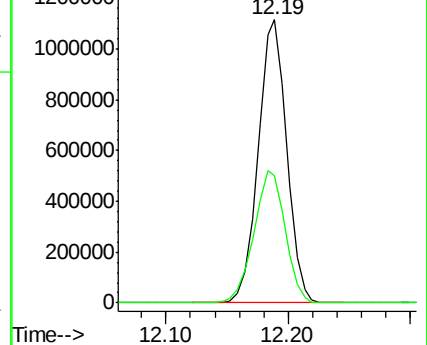
104 100

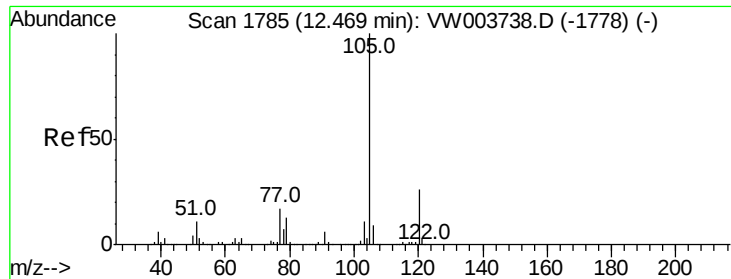
78 45.0 30.9 57.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 114.177 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW003740.D

Acq: 06 Jul 2018 14:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD10085

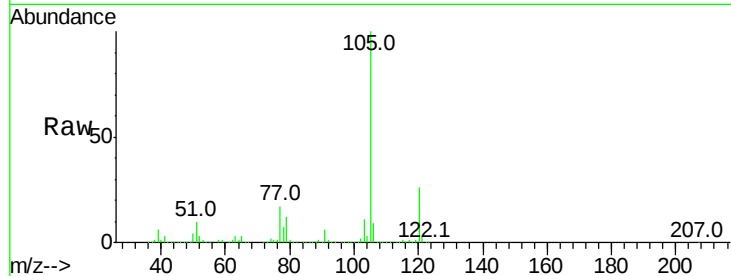
Tgt Ion:105 Resp: 2829698

Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.4

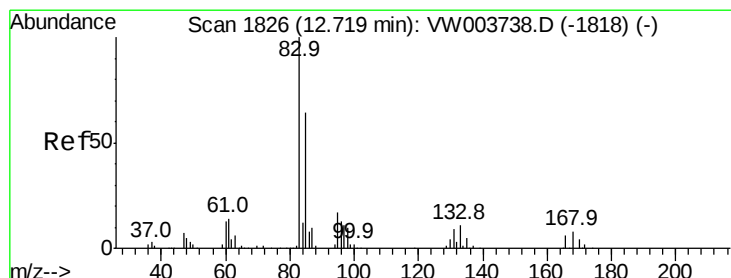
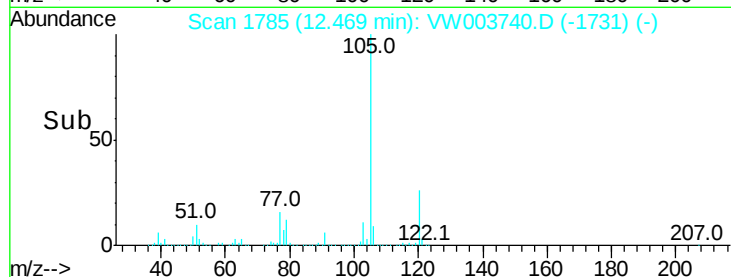
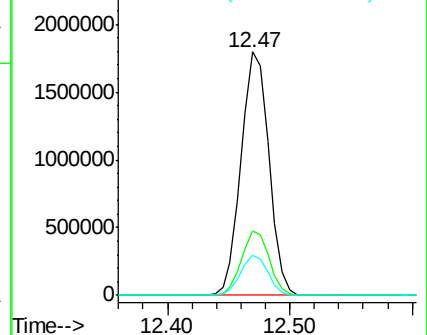
77 16.3 13.2 19.8



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: 111.368 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW003740.D

Acq: 06 Jul 2018 14:32

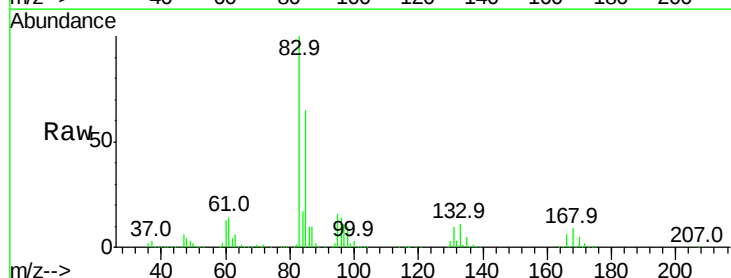
Tgt Ion: 83 Resp: 599497

Ion Ratio Lower Upper

83 100

85 64.8 45.1 83.9

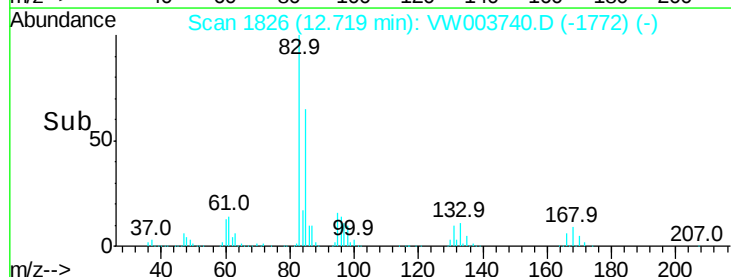
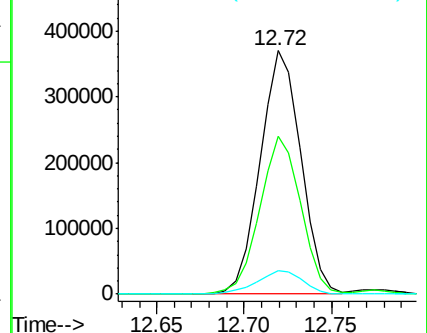
131 9.9 7.5 11.3

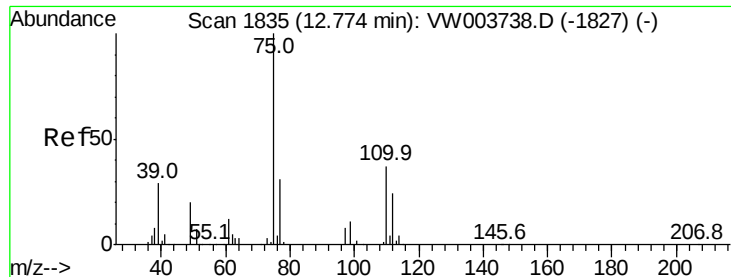


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 108.894 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW003740.D

Acq: 06 Jul 2018 14:32

Instrument :

MSVOA_W

ClientSampleId :

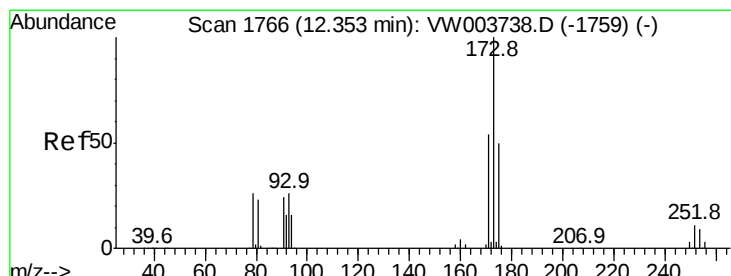
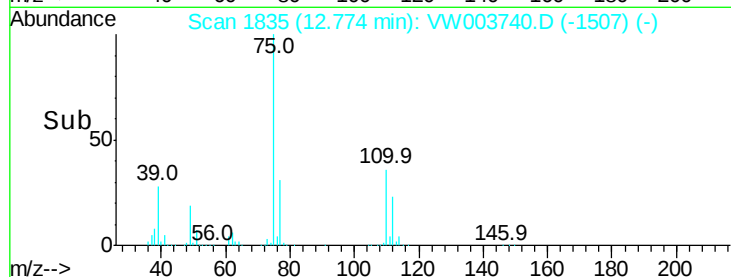
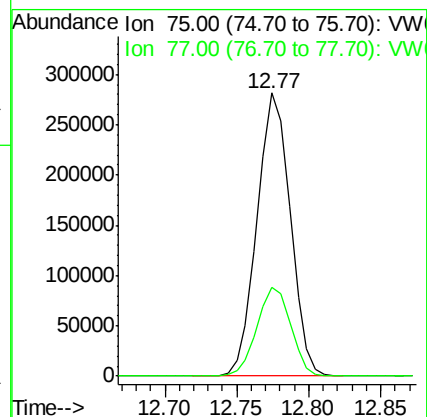
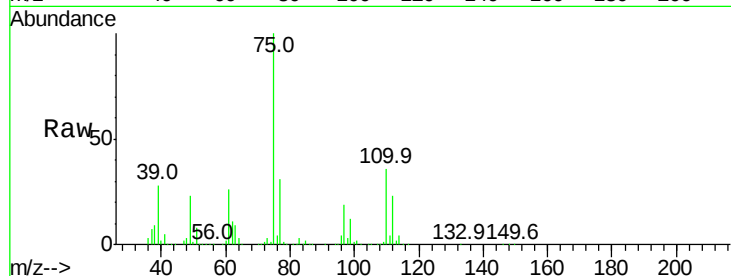
VSTD10085

Tgt Ion: 75 Resp: 449236

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.0



#62

Bromoform

Concen: 110.953 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW003740.D

Acq: 06 Jul 2018 14:32

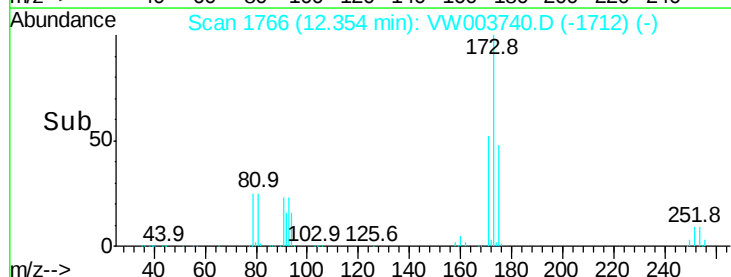
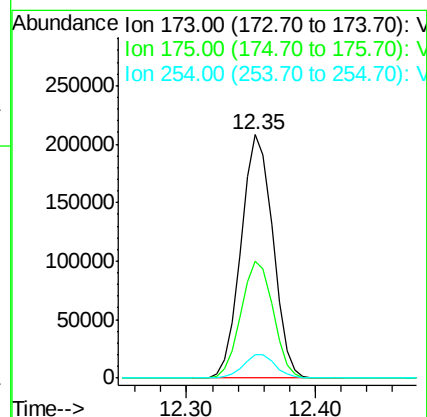
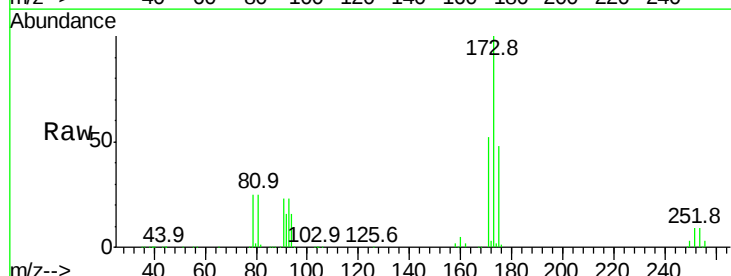
Tgt Ion: 173 Resp: 355820

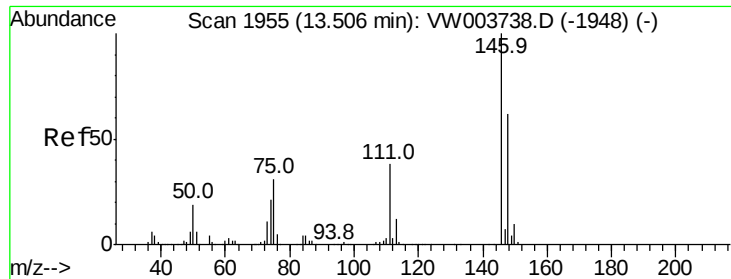
Ion Ratio Lower Upper

173 100

175 48.4 39.5 59.3

254 9.6 7.4 11.0

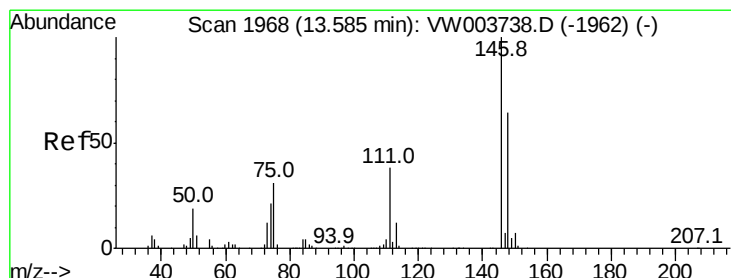
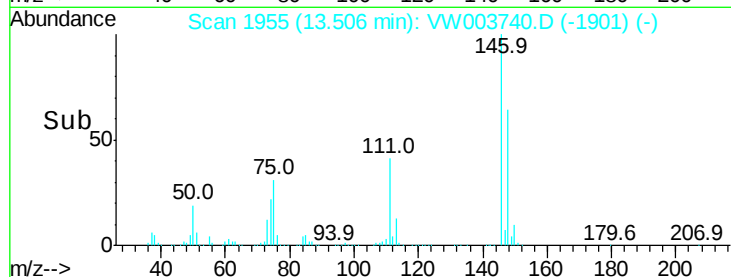
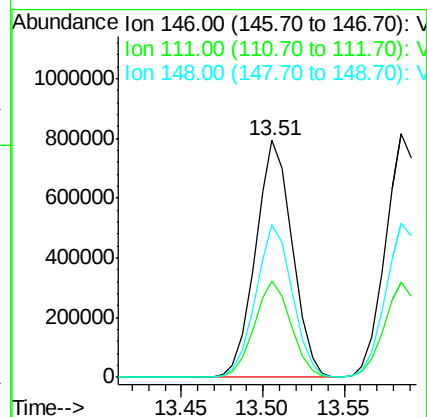
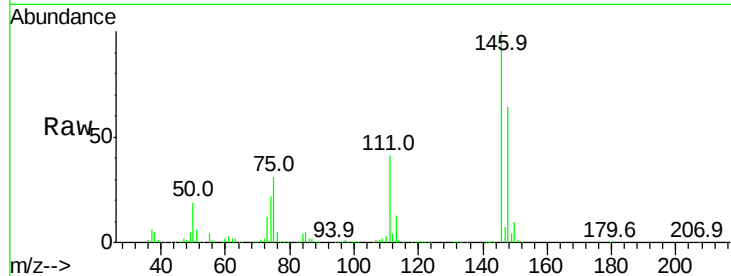




#63
 1,3-Dichlorobenzene
 Concen: 105.926 ug/L
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW003740.D
 Acq: 06 Jul 2018 14:32

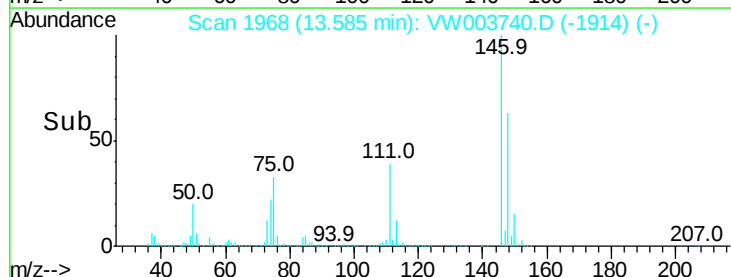
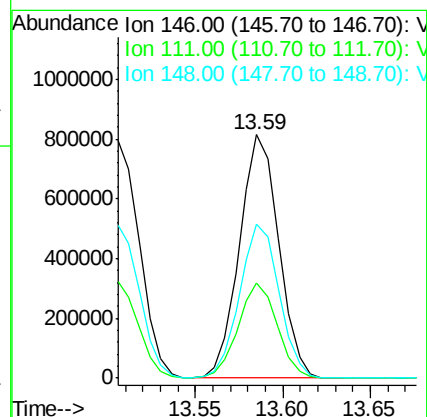
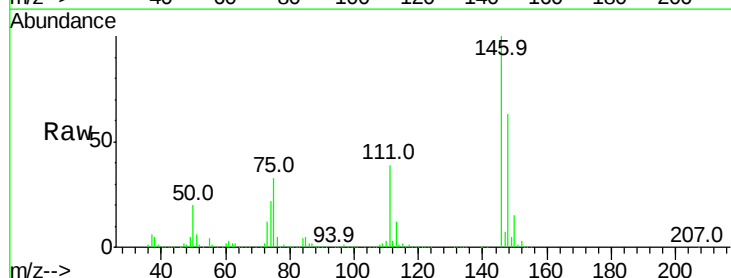
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10085

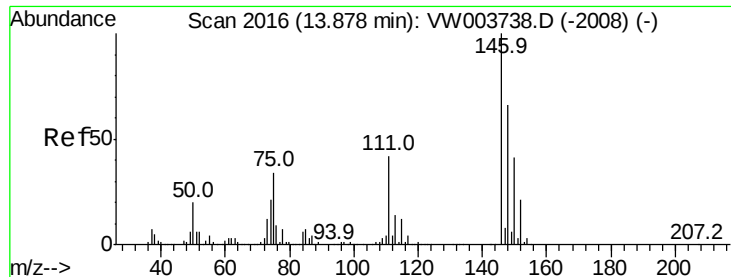
Tgt Ion:146 Resp: 1241060
 Ion Ratio Lower Upper
 146 100
 111 40.7 26.9 50.1
 148 64.3 43.2 80.2



#64
 1,4-Dichlorobenzene
 Concen: 103.532 ug/L
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW003740.D
 Acq: 06 Jul 2018 14:32

Tgt Ion:146 Resp: 1271767
 Ion Ratio Lower Upper
 146 100
 111 39.0 27.0 50.2
 148 63.3 44.5 82.7





#65

1,2-Dichlorobenzene

Concen: 104.902 ug/L

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW003740.D

Acq: 06 Jul 2018 14:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD10085

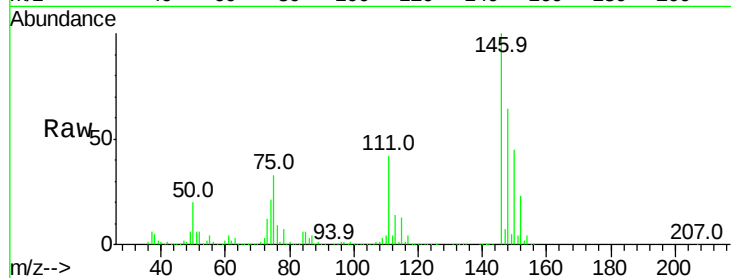
Tgt Ion:146 Resp: 1173434

Ion Ratio Lower Upper

146 100

111 41.8 33.8 50.8

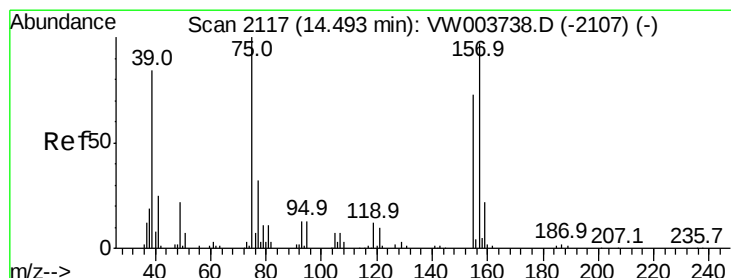
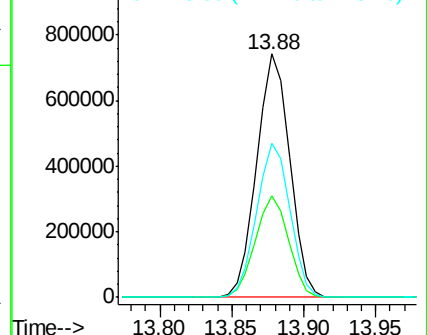
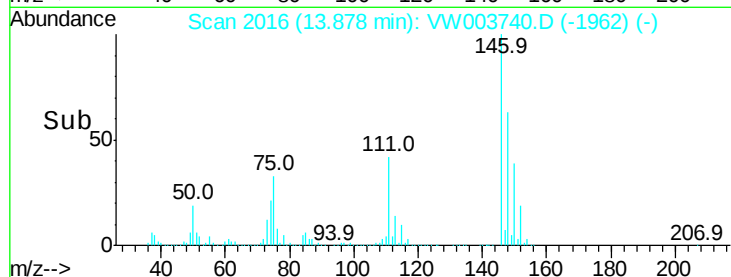
148 63.5 52.8 79.2



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: 107.442 ug/L

RT: 14.49 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VW003740.D

Acq: 06 Jul 2018 14:32

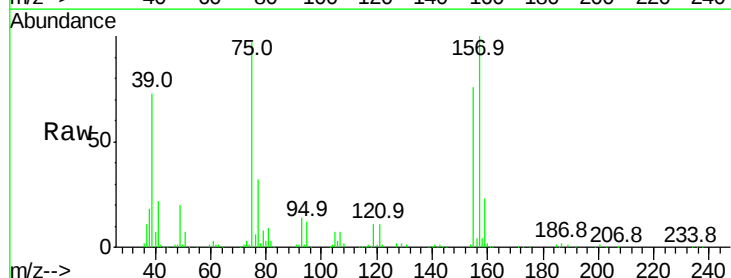
Tgt Ion: 75 Resp: 105474

Ion Ratio Lower Upper

75 100

157 102.8 77.3 115.9

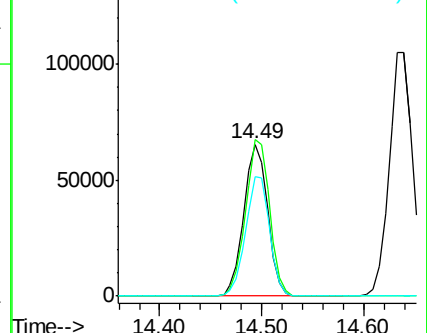
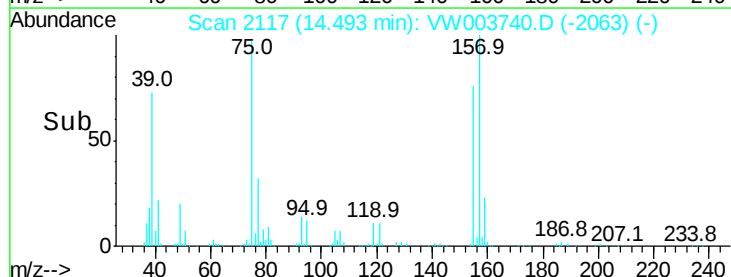
155 78.4 58.2 87.2

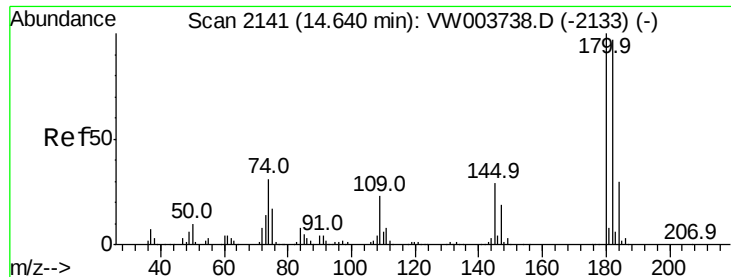


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

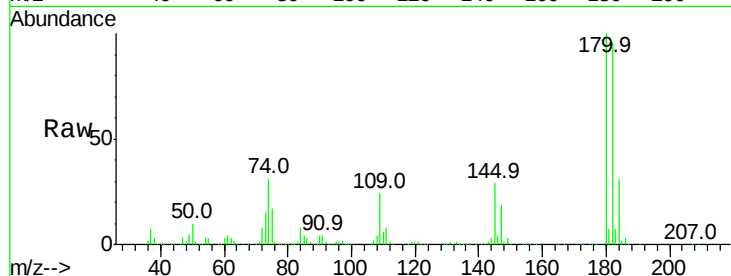




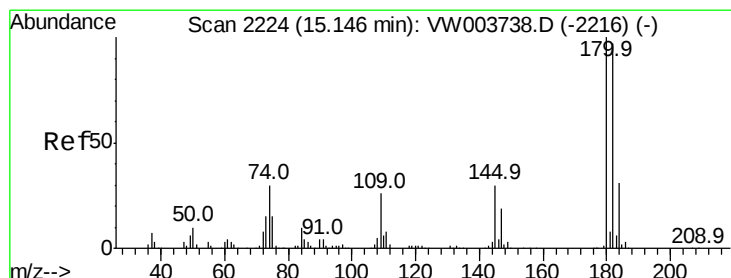
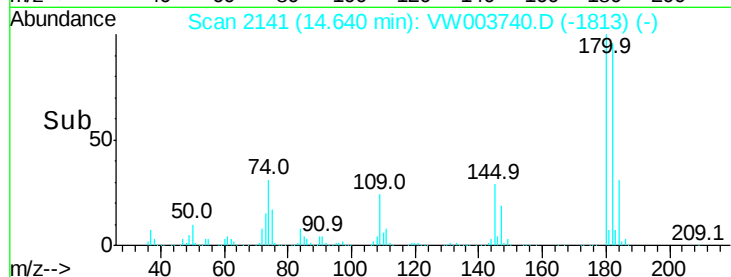
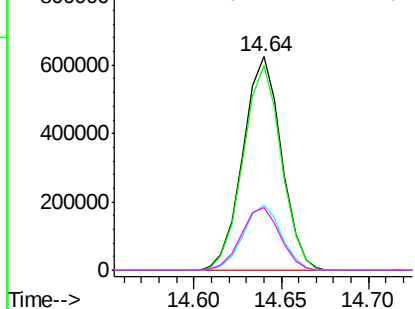
#67
 1,3,5-Trichlorobenzene
 Concen: 104.861 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VW003740.D
 Acq: 06 Jul 2018 14:32

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10085

Tgt Ion:180 Resp: 954677
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.7 115.1
 184 30.5 24.1 36.1
 145 29.7 23.5 35.3

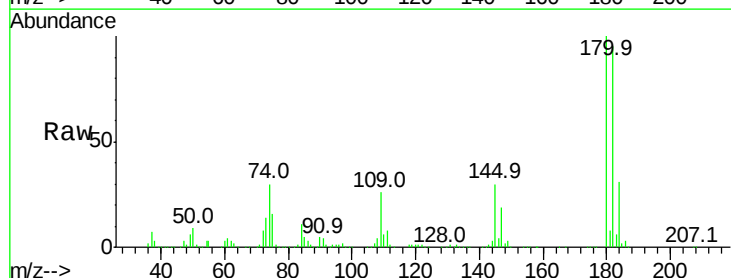


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

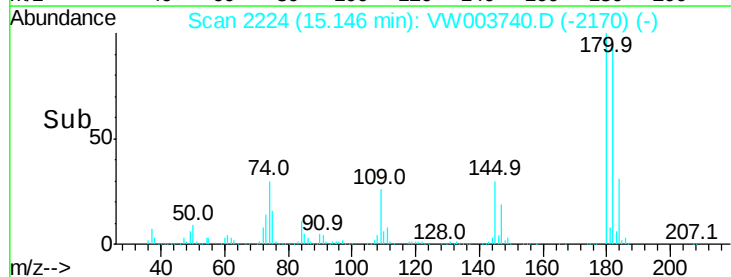
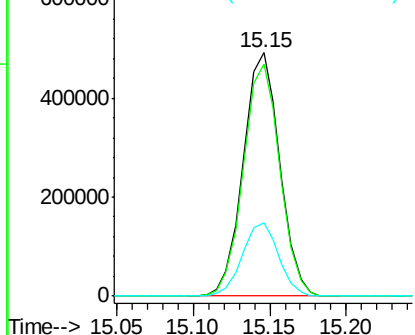


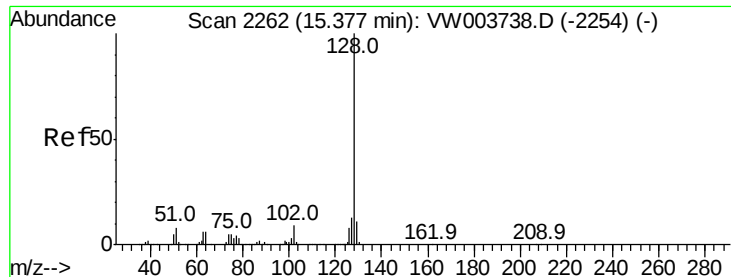
#68
 1,2,4-trichlorobenzene
 Concen: 109.805 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW003740.D
 Acq: 06 Jul 2018 14:32

Tgt Ion:180 Resp: 813836
 Ion Ratio Lower Upper
 180 100
 182 95.5 76.2 114.2
 145 30.2 23.8 35.6



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: 129.209 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW003740.D

Acq: 06 Jul 2018 14:32

Instrument :

MSVOA_W

ClientSampleId :

VSTD10085

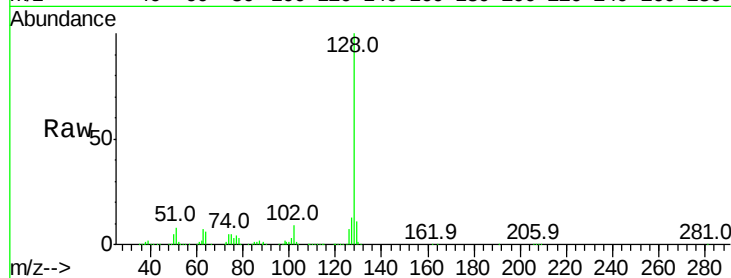
Tgt Ion:128 Resp: 1791821

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

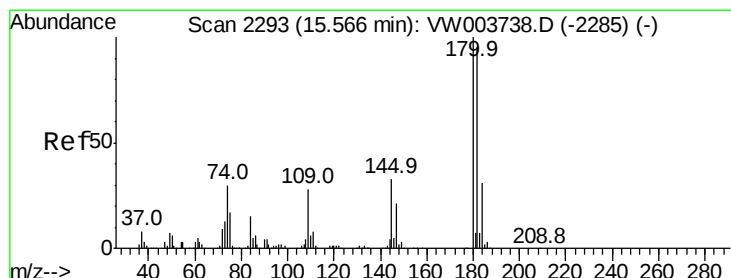
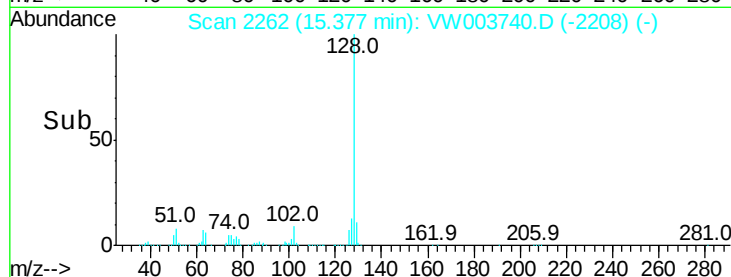
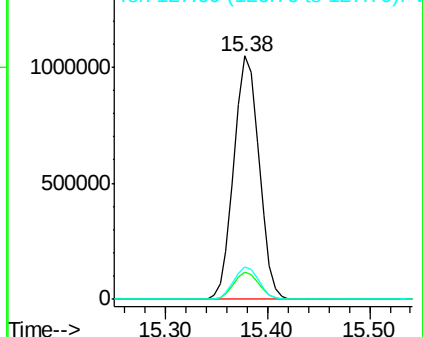
127 13.3 10.9 16.3



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: 110.038 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VW003740.D

Acq: 06 Jul 2018 14:32

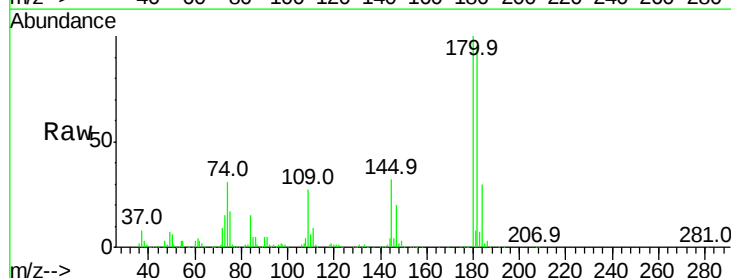
Tgt Ion:180 Resp: 747470

Ion Ratio Lower Upper

180 100

182 95.1 75.4 113.2

145 31.7 25.0 37.6



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

