

Data File : VW007140.D
Acq On : 30 Nov 2018 12:48
Operator : SY/AP
Sample : VSTD05084
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD05084

Quant Time: Nov 30 14:33:08 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 30 13:02:35 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	150013	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	143689	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	72030	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	59128	50.63	ug/L	0.00
7) Chloroethane-d5	2.89	69	43235	47.40	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	158050	48.63	ug/L	0.00
20) 2-Butanone-d5	7.08	46	50612	103.26	ug/L	0.00
24) Chloroform-d	7.65	84	156561	56.72	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	88154	45.34	ug/L	0.00
29) Benzene-d6	8.28	84	341076	50.54	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	99785	48.97	ug/L	0.00
37) Toluene-d8	10.33	98	352432	49.73	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	48953	52.27	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	47446	119.25	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	89478	54.22	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	127772	49.15	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	133136	48.480	ug/L	99
3) Chloromethane	2.22	50	92802	52.772	ug/L	99
5) Vinyl chloride	2.36	62	84038	49.540	ug/L	99
6) Bromomethane	2.77	94	48634	55.417	ug/L	97
8) Chloroethane	2.92	64	41747	47.649	ug/L	97
9) Trichlorofluoromethane	3.26	101	157512	50.349	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	92445	48.355	ug/L	98
12) 1,1-Dichloroethene	4.04	96	83019	51.155	ug/L	98
13) Acetone	4.13	43	27776	74.075	ug/L	98
14) Carbon disulfide	4.39	76	309985	54.169	ug/L	99
15) Methyl Acetate	4.68	43	46001	54.252	ug/L	98
16) Methylene chloride	4.92	84	102109	45.102	ug/L	99
17) Methyl tert-butyl Ether	5.43	73	222050	50.787	ug/L	99
18) trans-1,2-Dichloroethene	5.43	96	92001	50.206	ug/L	99
19) 1,1-Dichloroethane	6.23	63	154388	51.505	ug/L	99
21) 2-Butanone	7.17	43	50940	87.747	ug/L	96
22) cis-1,2-Dichloroethene	7.18	96	97819	51.018	ug/L	96
23) Bromochloromethane	7.52	128	44456	53.646	ug/L	93
25) Chloroform	7.68	83	162476	43.273	ug/L	100
27) 1,2-Dichloroethane	8.40	62	112420	51.295	ug/L	99
30) Cyclohexane	7.96	56	161607	51.045	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	150184	49.395	ug/L	99
32) Carbon tetrachloride	8.07	117	135907	49.482	ug/L	98
34) Benzene	8.33	78	386004	54.591	ug/L	100
35) Trichloroethene	9.10	95	103928	52.599	ug/L	99
36) Methylcyclohexane	9.34	83	189612	53.964	ug/L	98
40) 1,2-Dichloropropane	9.37	63	93481	53.371	ug/L	99
41) Bromodichloromethane	9.65	83	118659	50.672	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	152171	54.416	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	133583	117.938	ug/L	100

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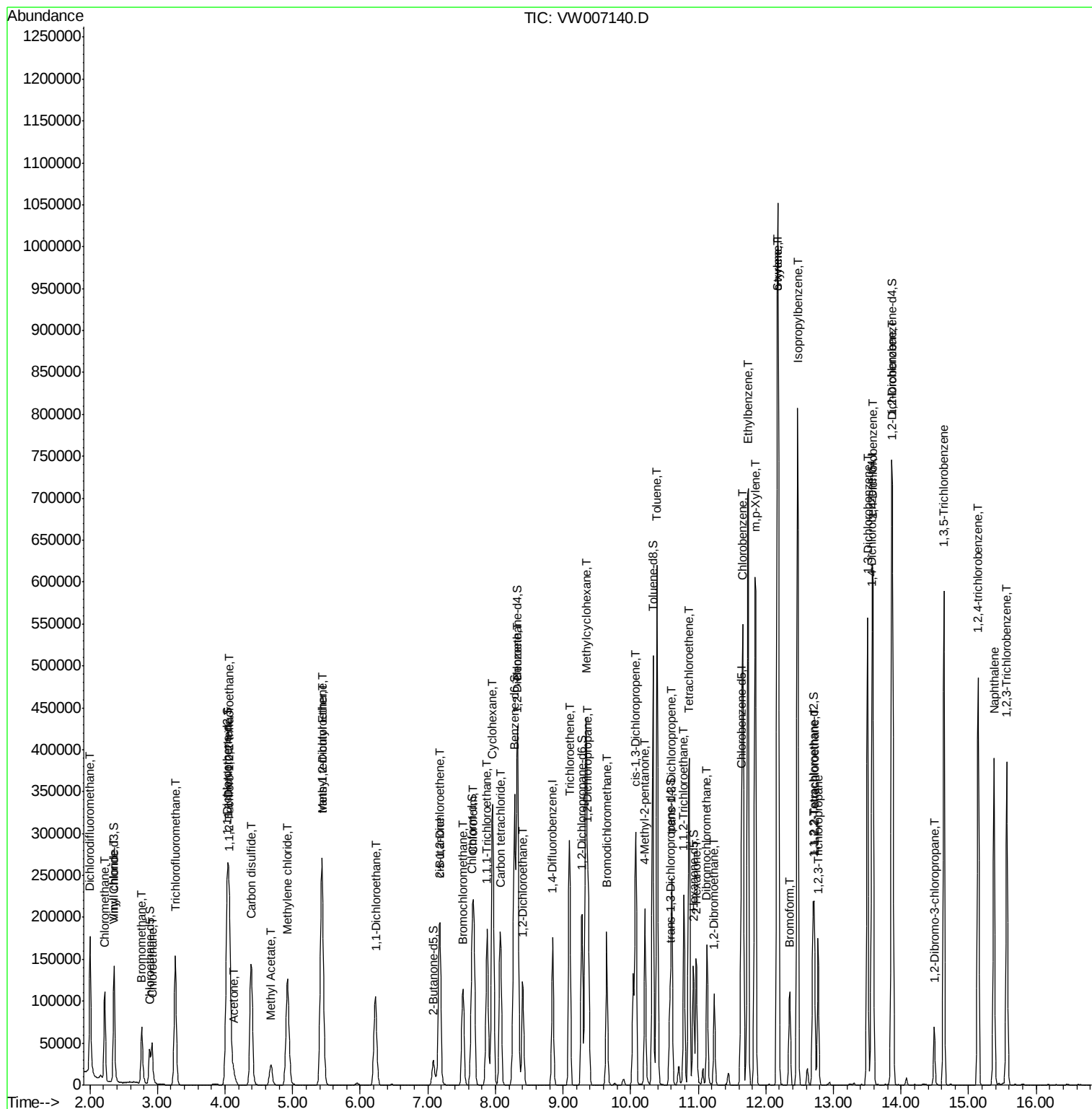
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	449174	53.898	ug/L	100
45) trans-1,3-Dichloropropene	10.61	75	134204	56.062	ug/L	97
46) 1,1,2-Trichloroethane	10.79	97	72006	54.067	ug/L	98
47) Tetrachloroethene	10.87	164	87445	53.722	ug/L	96
49) 2-Hexanone	10.97	43	90644	106.192	ug/L	98
50) Dibromochloromethane	11.13	129	91996	56.385	ug/L	98
51) 1,2-Dibromoethane	11.24	107	74684	55.997	ug/L #	99
52) Chlorobenzene	11.66	112	293180	53.365	ug/L	98
53) Ethylbenzene	11.74	91	518516	52.948	ug/L	99
54) m,p-Xylene	11.84	106	200794	52.193	ug/L	96
55) o-xylene	12.17	106	188091	52.490	ug/L	95
56) Styrene	12.18	104	323254	53.947	ug/L	97
57) Isopropylbenzene	12.47	105	519887	53.048	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	92636	58.708	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	71593	56.582	ug/L	100
62) Bromoform	12.35	173	52119	57.871	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	237853	53.951	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	235512	53.482	ug/L	97
65) 1,2-Dichlorobenzene	13.88	146	216962	54.577	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	18412	62.722	ug/L #	92
67) 1,3,5-Trichlorobenzene	14.63	180	174991	59.603	ug/L	100
68) 1,2,4-trichlorobenzene	15.14	180	149718	61.795	ug/L	99
69) Naphthalene	15.38	128	338344	67.444	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	132450	62.199	ug/L	98

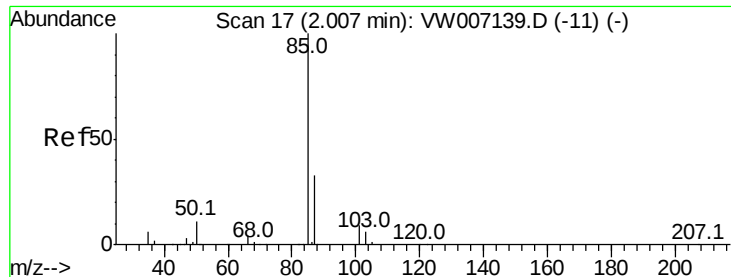
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 48.480 ug/L

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW007140.D

Acq: 30 Nov 2018 12:48

Instrument :

MSVOA_W

ClientSampleId :

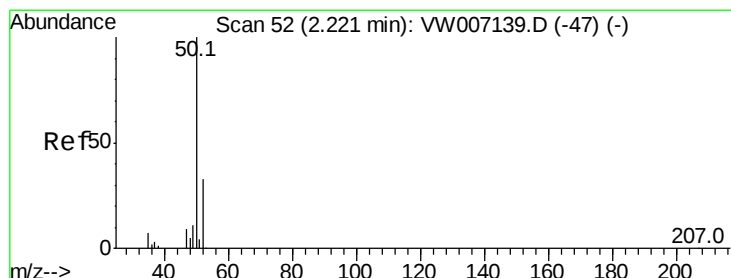
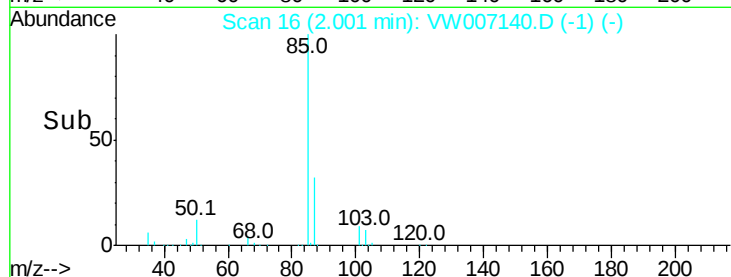
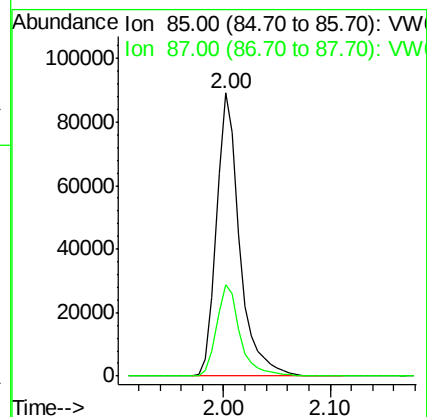
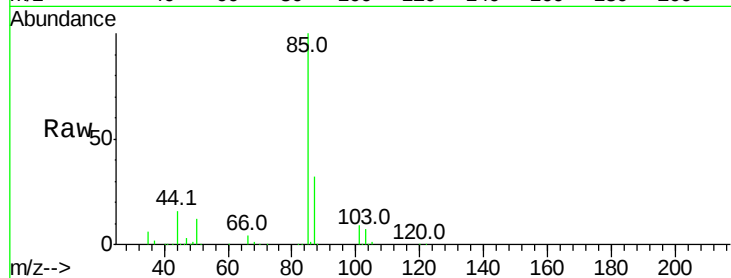
VSTD05084

Tgt Ion: 85 Resp: 133136

Ion Ratio Lower Upper

85 100

87 32.6 22.5 41.9



#3

Chloromethane

Concen: 52.772 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW007140.D

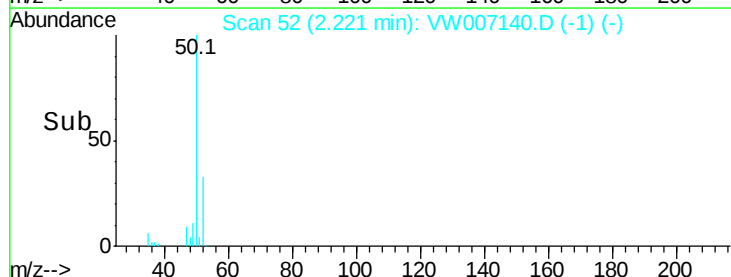
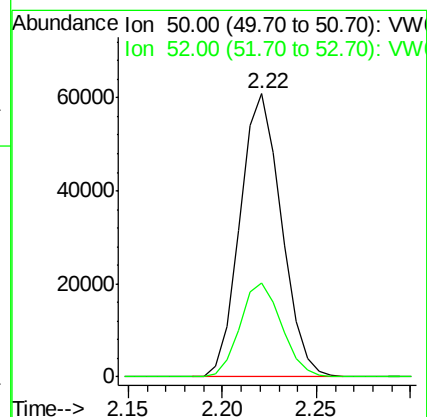
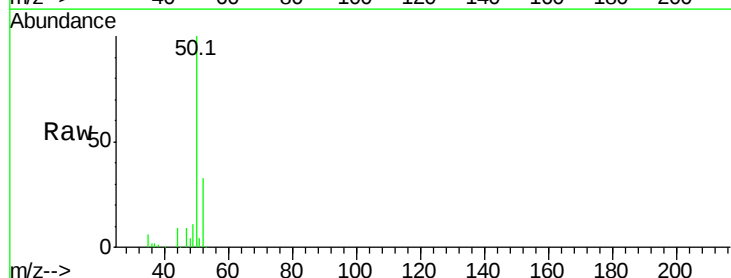
Acq: 30 Nov 2018 12:48

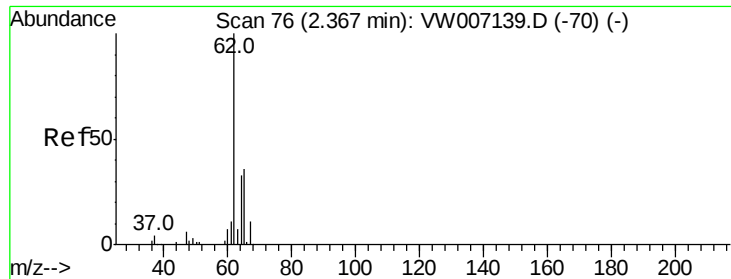
Tgt Ion: 50 Resp: 92802

Ion Ratio Lower Upper

50 100

52 33.4 23.0 42.6





#5

Vinyl chloride

Concen: 49.540 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW007140.D

Acq: 30 Nov 2018 12:48

Instrument :

MSVOA_W

ClientSampleId :

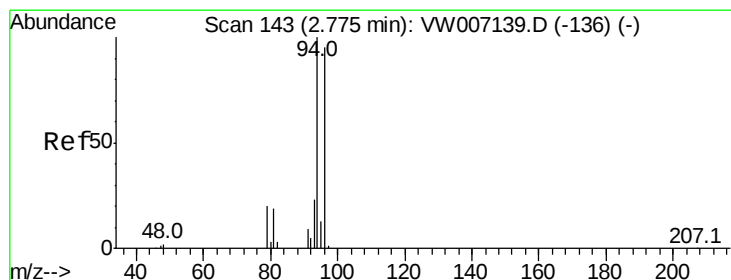
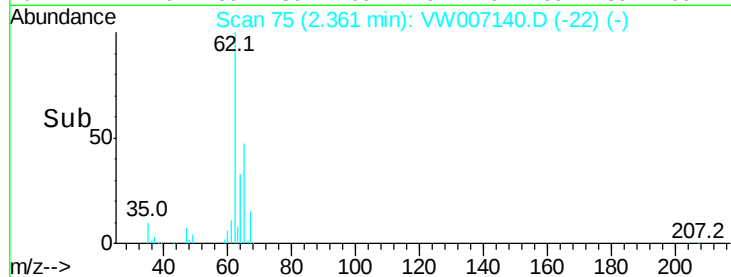
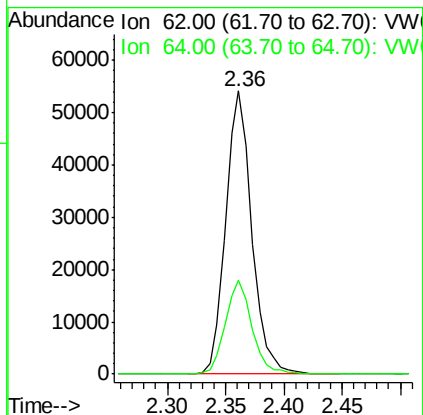
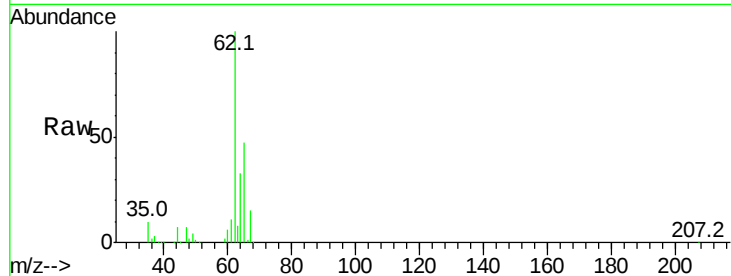
VSTD05084

Tgt Ion: 62 Resp: 84038

Ion Ratio Lower Upper

62 100

64 33.2 23.5 43.7



#6

Bromomethane

Concen: 55.417 ug/L

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW007140.D

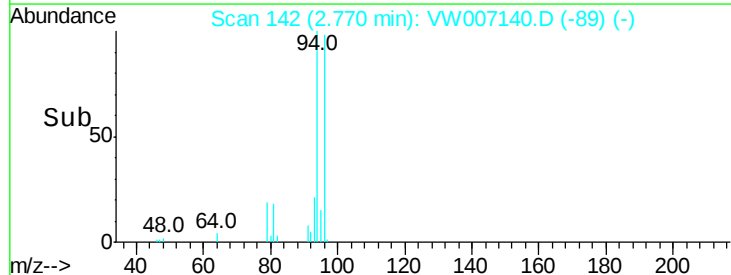
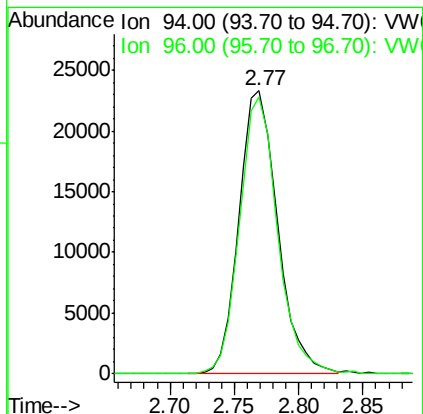
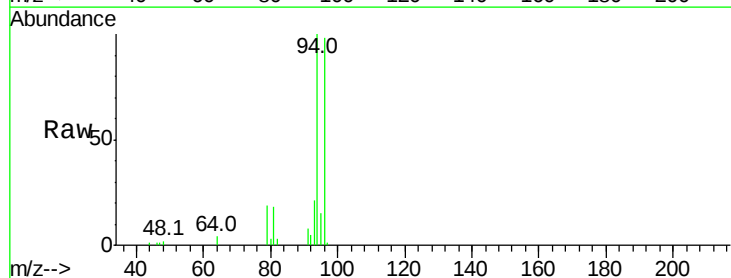
Acq: 30 Nov 2018 12:48

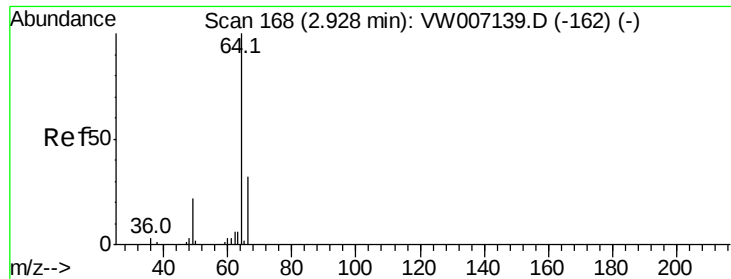
Tgt Ion: 94 Resp: 48634

Ion Ratio Lower Upper

94 100

96 95.9 9.3 176.7





#8

Chloroethane

Concen: 47.649 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW007140.D

Acq: 30 Nov 2018 12:48

Instrument :

MSVOA_W

ClientSampleId :

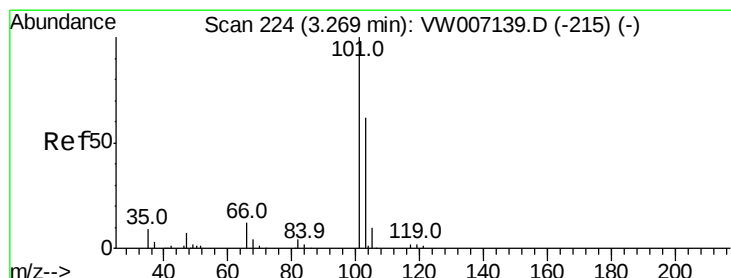
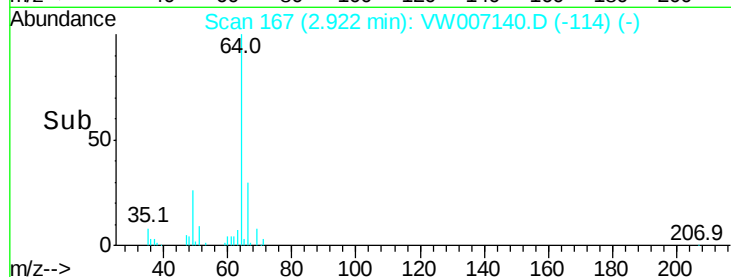
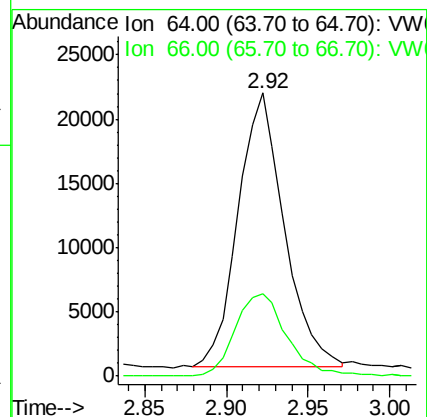
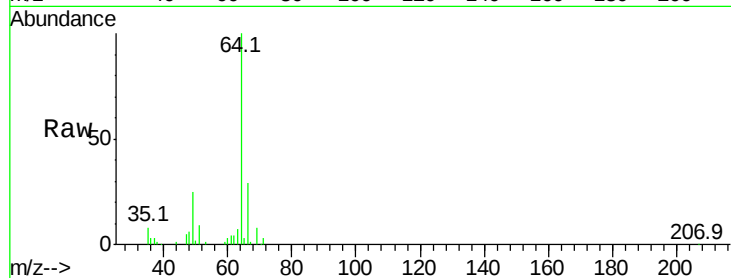
VSTD05084

Tgt Ion: 64 Resp: 41747

Ion Ratio Lower Upper

64 100

66 29.2 21.4 39.8



#9

Trichlorofluoromethane

Concen: 50.349 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.01 min

Lab File: VW007140.D

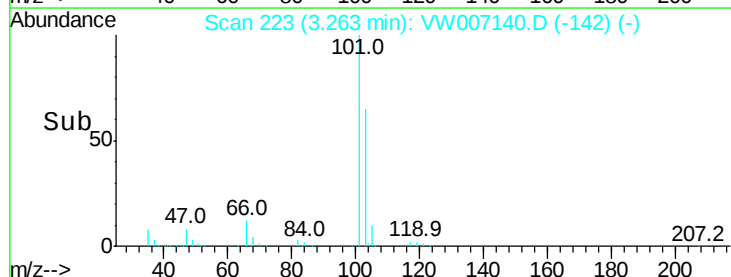
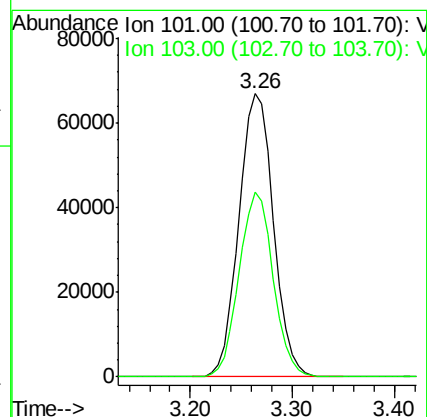
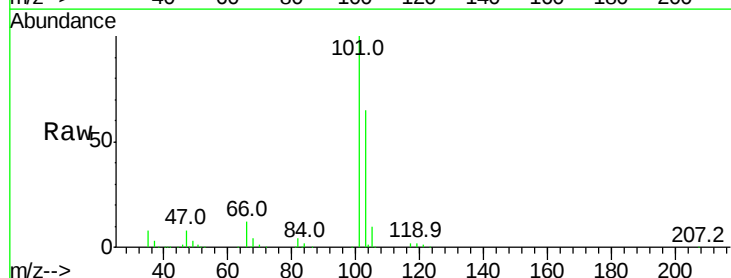
Acq: 30 Nov 2018 12:48

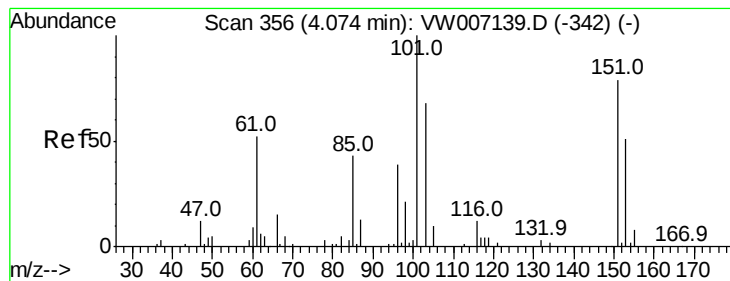
Tgt Ion: 101 Resp: 157512

Ion Ratio Lower Upper

101 100

103 64.3 44.4 82.4





#11

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

Concen: 48.355 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.01 min

Lab File: VW007140.D

Acq: 30 Nov 2018 12:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD05084

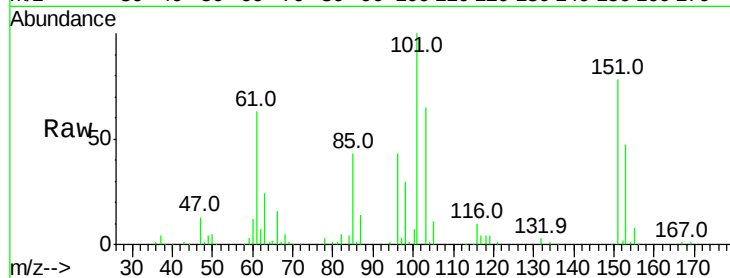
Tgt Ion:101 Resp: 92445

Ion Ratio Lower Upper

101 100

85 42.2 34.8 52.2

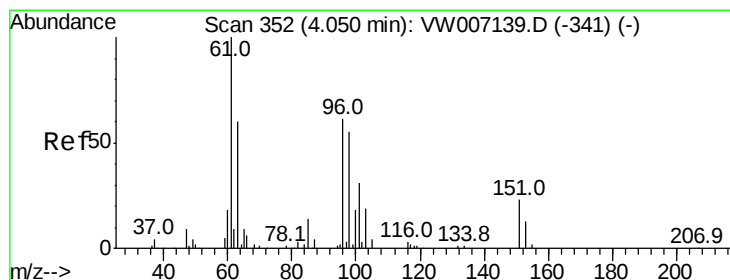
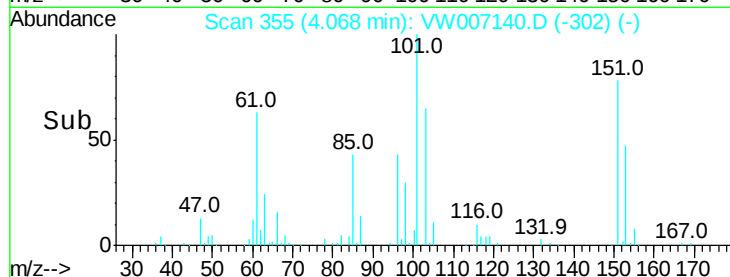
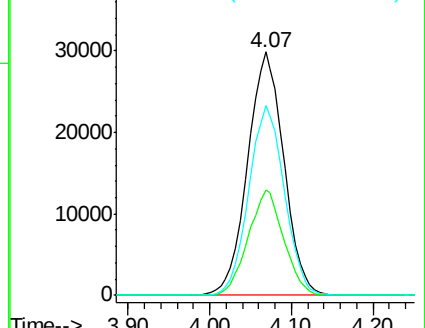
151 76.6 62.8 94.2



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: 51.155 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW007140.D

Acq: 30 Nov 2018 12:48

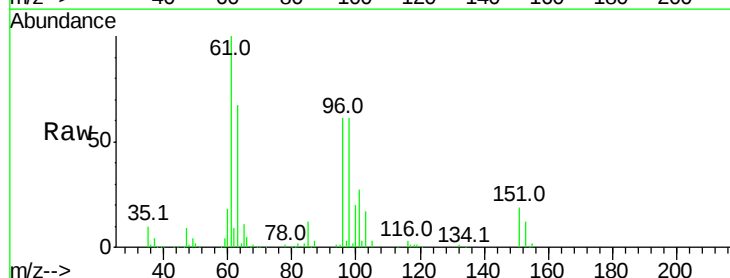
Tgt Ion: 96 Resp: 83019

Ion Ratio Lower Upper

96 100

61 164.3 114.9 213.5

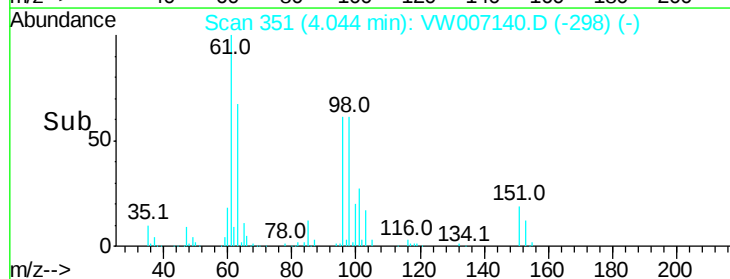
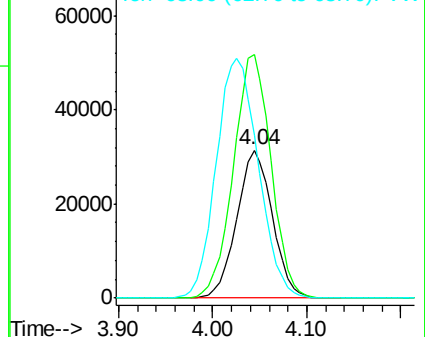
63 110.0 73.1 135.7

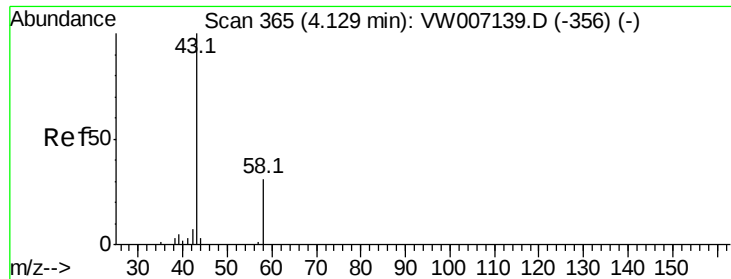


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 74.075 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

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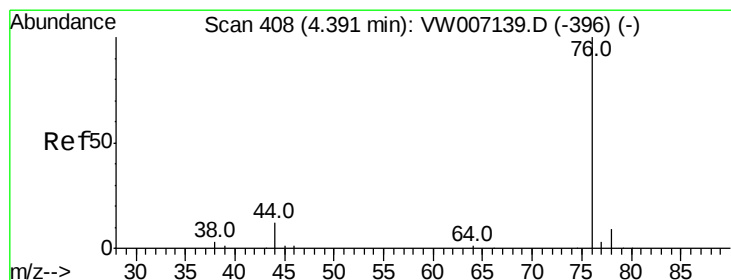
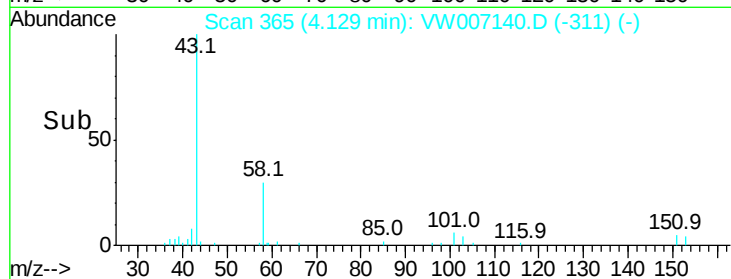
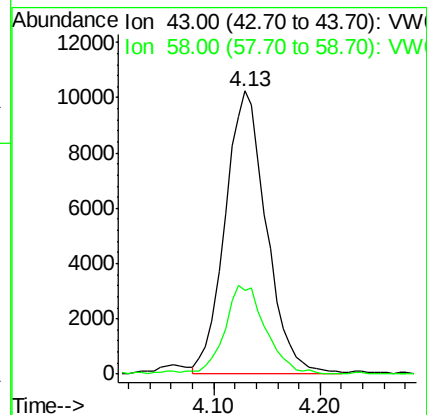
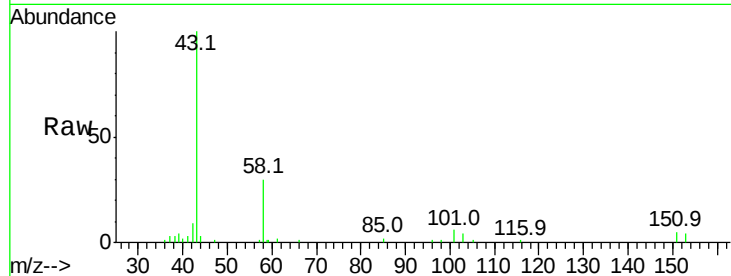
VSTD05084

Tgt Ion: 43 Resp: 27776

Ion Ratio Lower Upper

43 100

58 30.3 0.0 62.4



#14

Carbon disulfide

Concen: 54.169 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.01 min

Lab File: VW007140.D

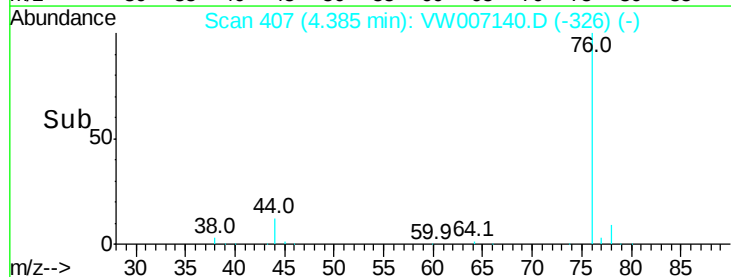
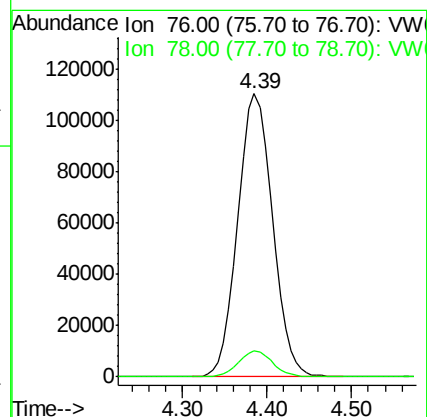
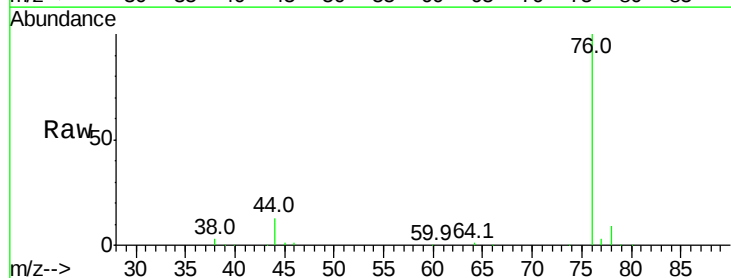
Acq: 30 Nov 2018 12:48

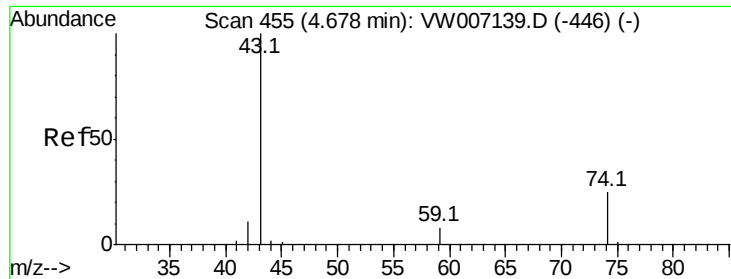
Tgt Ion: 76 Resp: 309985

Ion Ratio Lower Upper

76 100

78 9.1 6.9 10.3

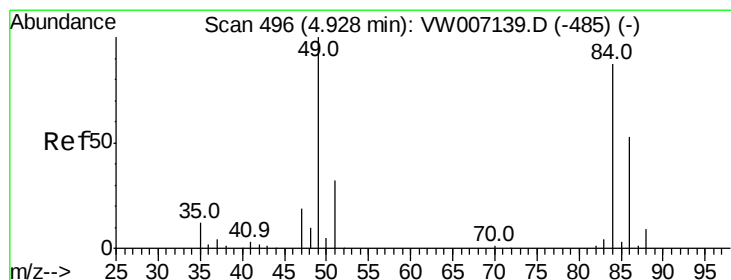
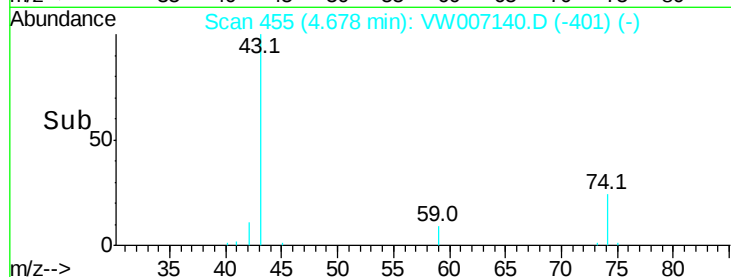
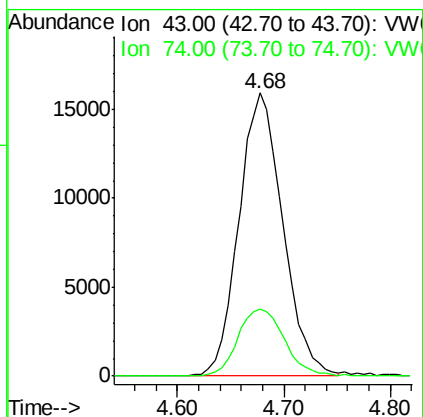
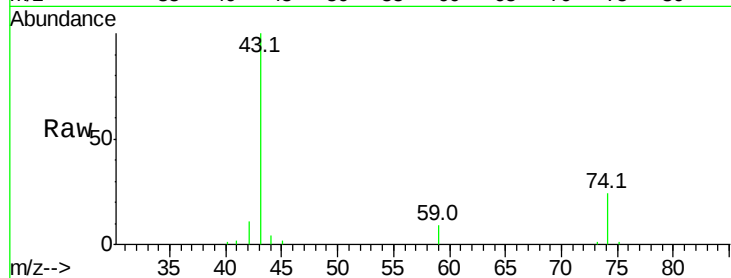




#15
Methyl Acetate
Concen: 54.252 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW007140.D
Acq: 30 Nov 2018 12:48

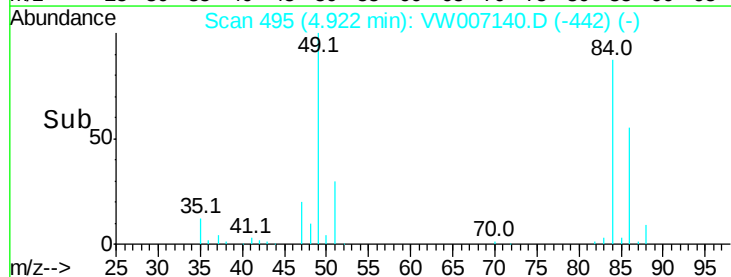
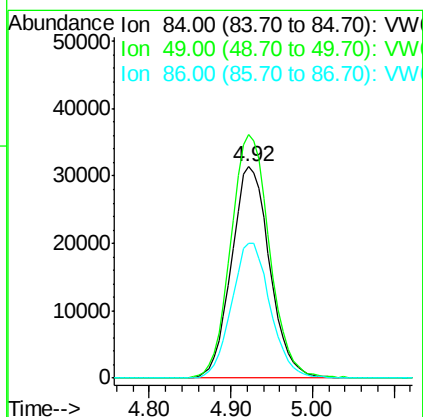
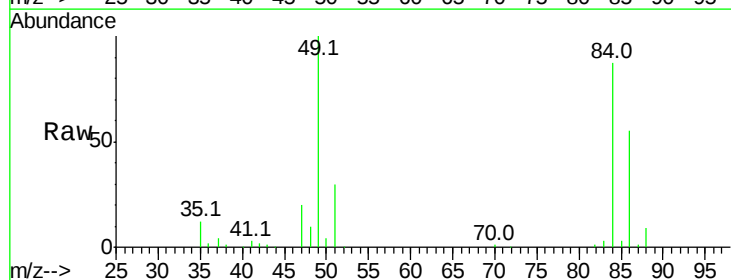
Instrument :
MSVOA_W
ClientSampled :
VSTD05084

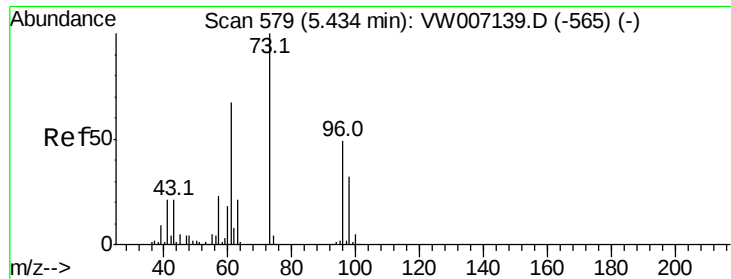
Tgt Ion: 43 Resp: 46001
Ion Ratio Lower Upper
43 100
74 24.9 19.3 28.9



#16
Methylene chloride
Concen: 45.102 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.01 min
Lab File: VW007140.D
Acq: 30 Nov 2018 12:48

Tgt Ion: 84 Resp: 102109
Ion Ratio Lower Upper
84 100
49 115.1 80.9 150.3
86 63.8 42.8 79.6

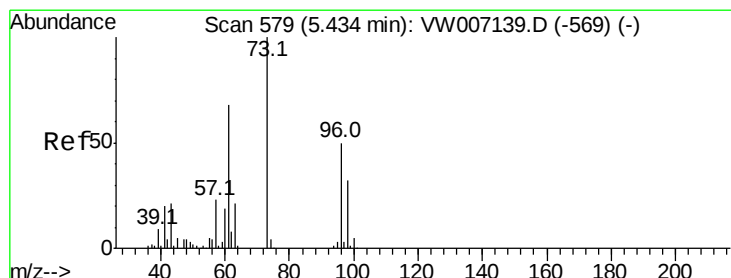
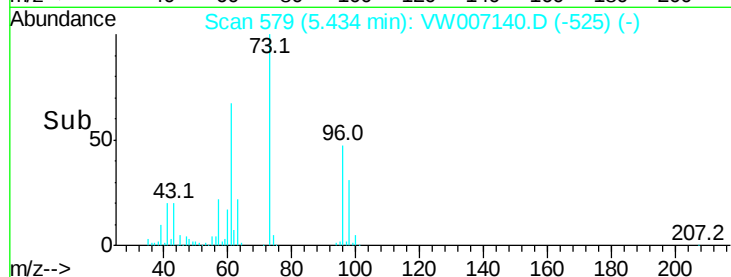
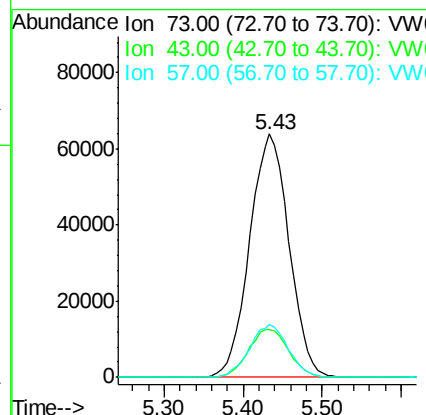
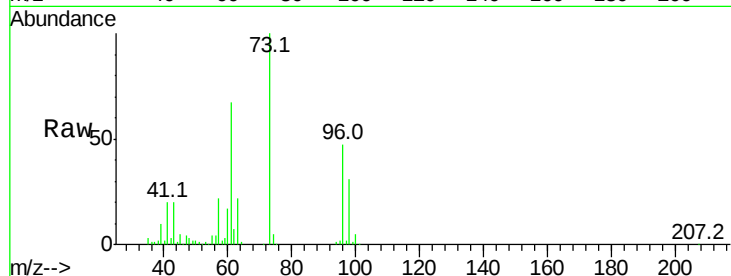




#17
Methyl tert-butyl Ether
Concen: 50.787 ug/L
RT: 5.43 min Scan# 579
Delta R.T. 0.00 min
Lab File: VW007140.D
Acq: 30 Nov 2018 12:48

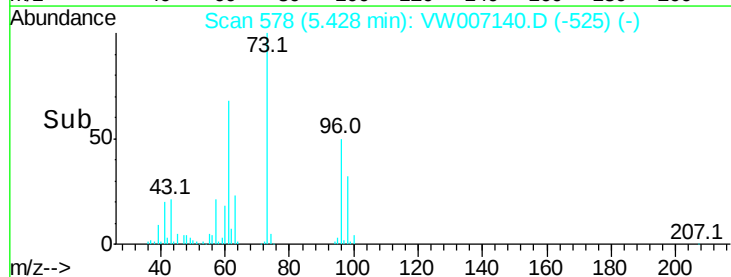
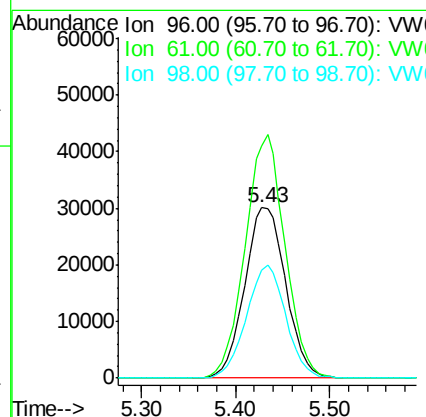
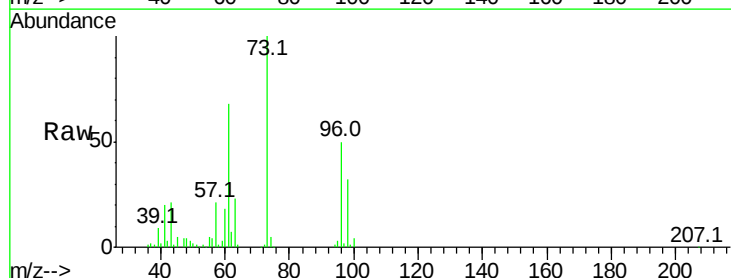
Instrument :
MSVOA_W
ClientSampled :
VSTD05084

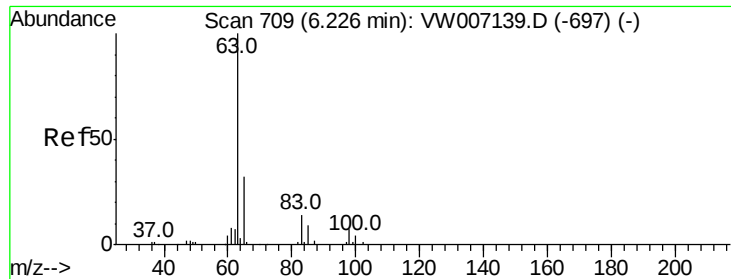
Tgt Ion: 73 Resp: 222050
Ion Ratio Lower Upper
73 100
43 20.3 16.3 24.5
57 21.3 17.4 26.0



#18
trans-1,2-Dichloroethene
Concen: 50.206 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW007140.D
Acq: 30 Nov 2018 12:48

Tgt Ion: 96 Resp: 92001
Ion Ratio Lower Upper
96 100
61 136.4 94.8 176.2
98 63.4 44.9 83.5

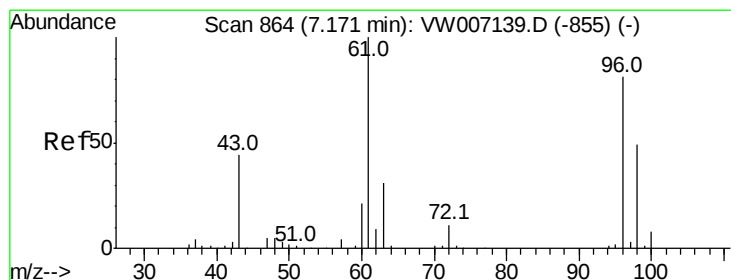
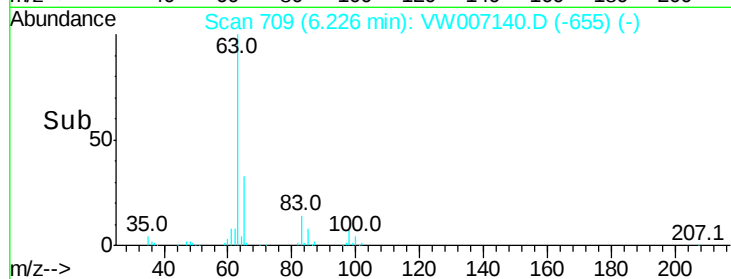
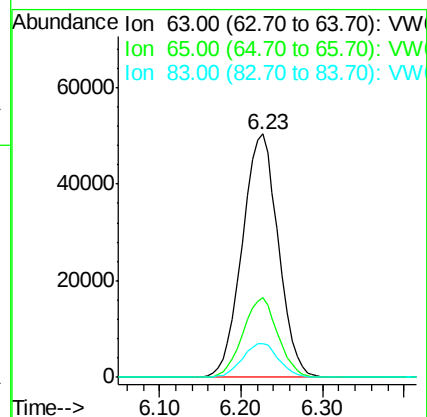
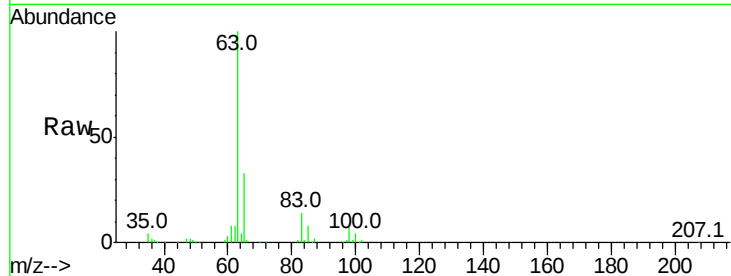




#19
 1,1-Dichloroethane
 Concen: 51.505 ug/L
 RT: 6.23 min Scan# 709
 Delta R.T. 0.00 min
 Lab File: VW007140.D
 Acq: 30 Nov 2018 12:48

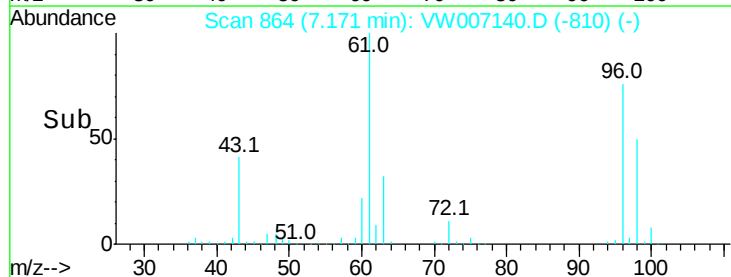
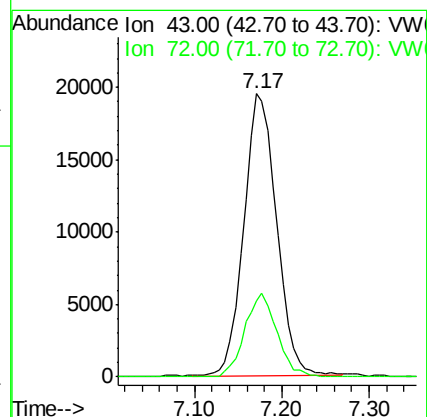
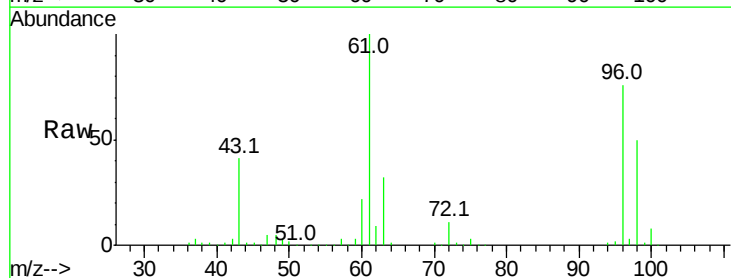
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05084

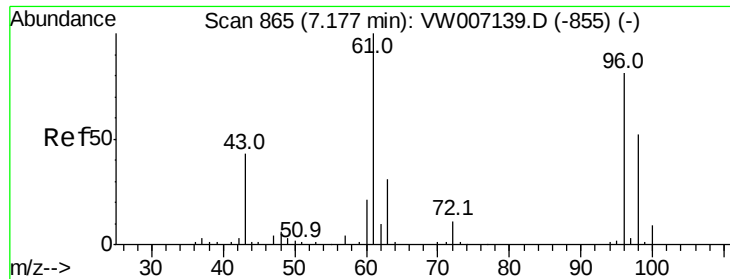
Tgt Ion: 63 Resp: 154388
 Ion Ratio Lower Upper
 63 100
 65 32.6 22.4 41.6
 83 13.6 9.7 17.9



#21
 2-Butanone
 Concen: 87.747 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW007140.D
 Acq: 30 Nov 2018 12:48

Tgt Ion: 43 Resp: 50940
 Ion Ratio Lower Upper
 43 100
 72 28.8 13.5 40.5



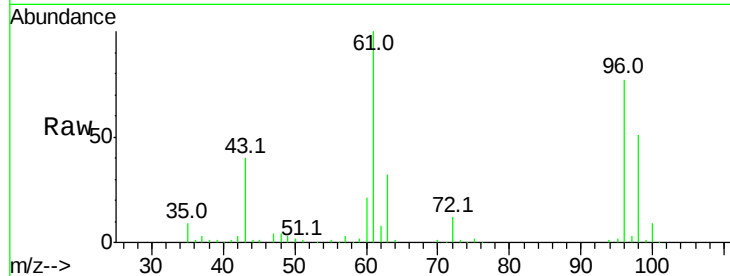


#22

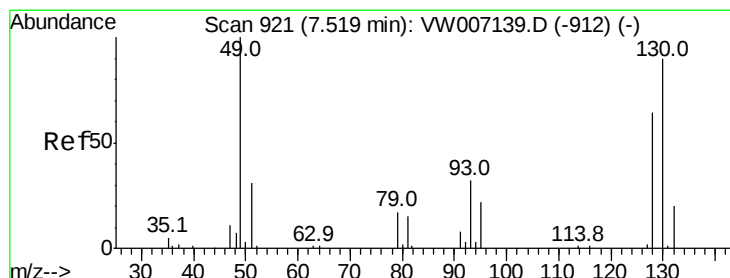
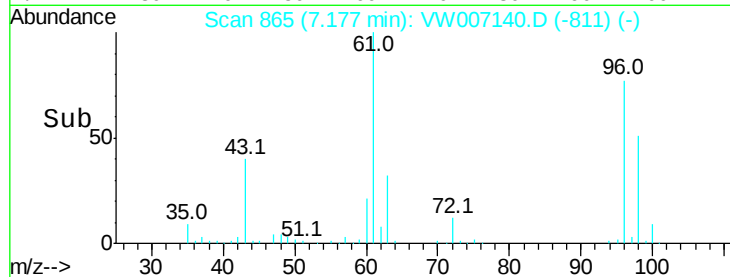
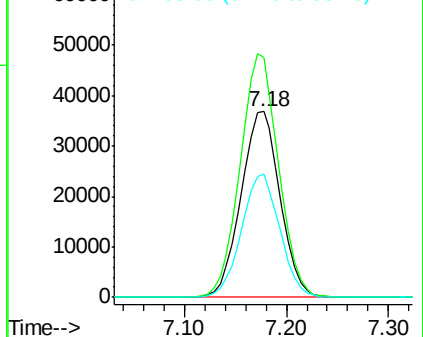
cis-1,2-Dichloroethene
 Concen: 51.018 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VW007140.D
 Acq: 30 Nov 2018 12:48

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05084

Tgt Ion: 96 Resp: 97819
 Ion Ratio Lower Upper
 96 100
 61 129.4 87.3 162.1
 98 66.5 45.2 84.0



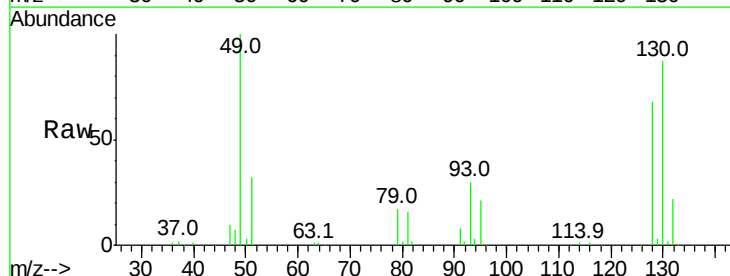
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



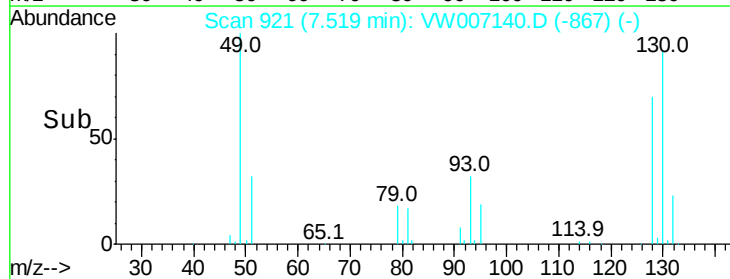
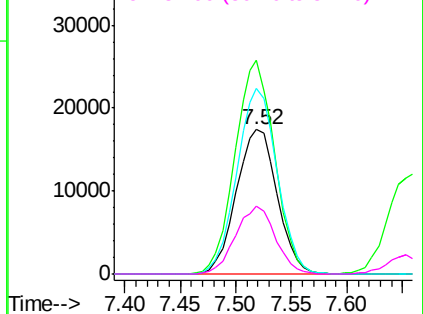
#23

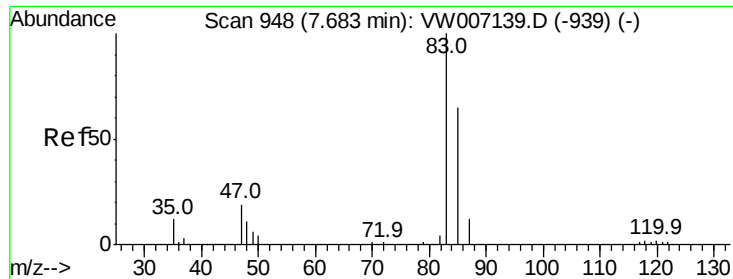
Bromochloromethane
 Concen: 53.646 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VW007140.D
 Acq: 30 Nov 2018 12:48

Tgt Ion: 128 Resp: 44456
 Ion Ratio Lower Upper
 128 100
 49 148.0 109.9 204.1
 130 129.0 98.2 182.4
 51 46.8 39.0 58.4



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

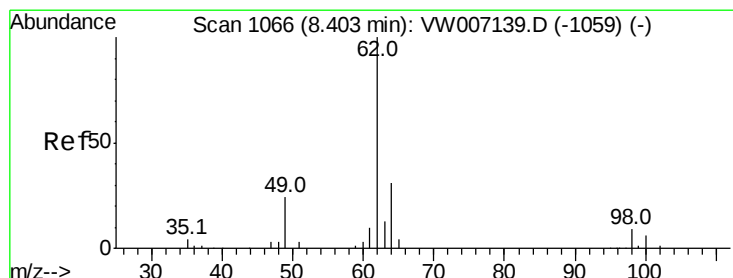
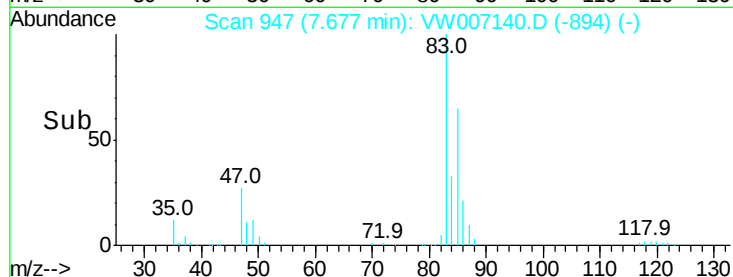
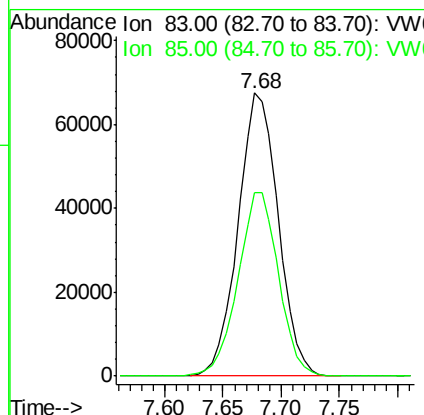
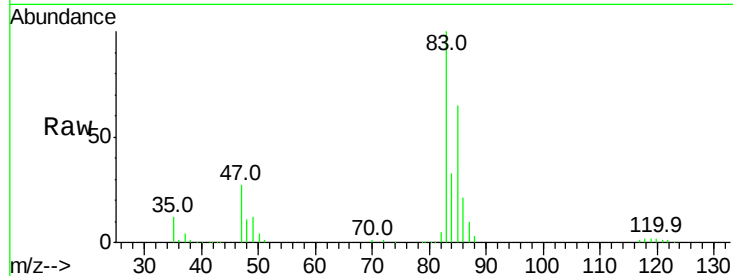




#25
Chloroform
Concen: 43.273 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.01 min
Lab File: VW007140.D
Acq: 30 Nov 2018 12:48

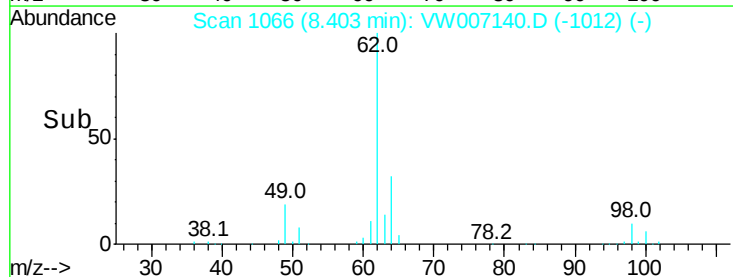
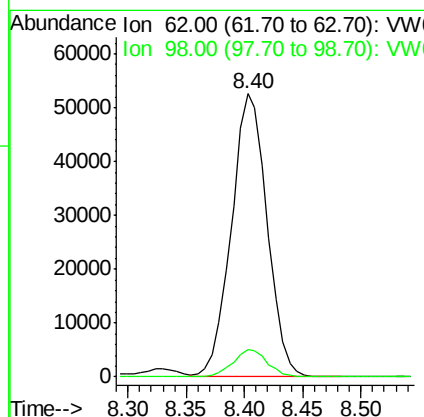
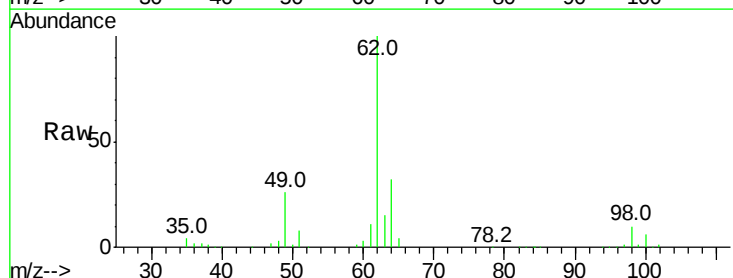
Instrument :
MSVOA_W
ClientSampleId :
VSTD05084

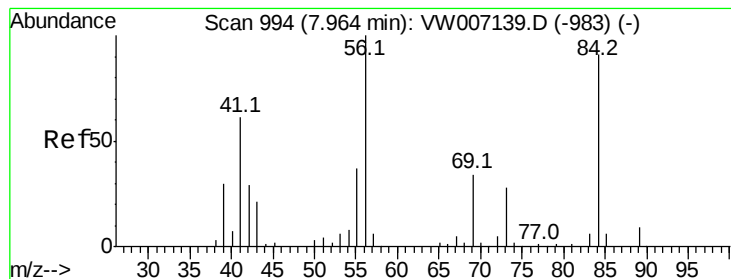
Tgt Ion: 83 Resp: 162476
Ion Ratio Lower Upper
83 100
85 65.5 46.1 85.7



#27
1,2-Dichloroethane
Concen: 51.295 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW007140.D
Acq: 30 Nov 2018 12:48

Tgt Ion: 62 Resp: 112420
Ion Ratio Lower Upper
62 100
98 9.5 7.4 11.2





#30

Cyclohexane

Concen: 51.045 ug/L

RT: 7.96 min Scan# 993

Delta R.T. -0.01 min

Lab File: VW007140.D

Acq: 30 Nov 2018 12:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD05084

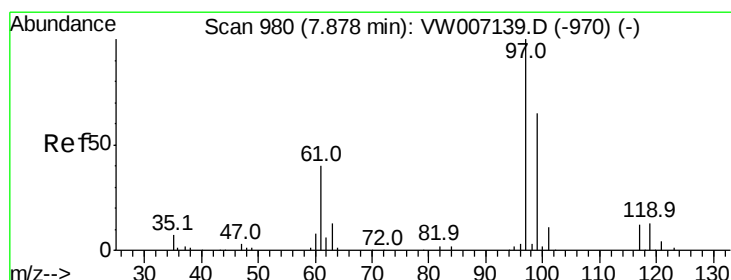
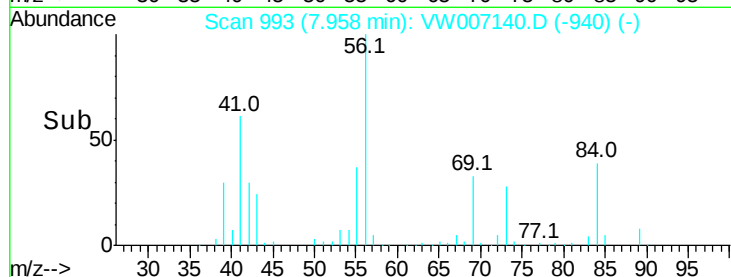
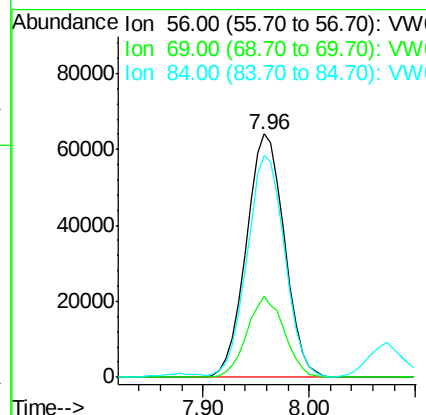
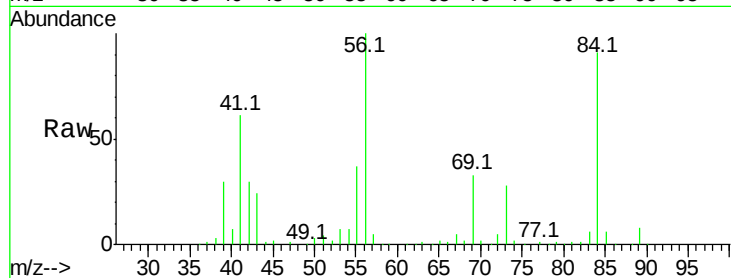
Tgt Ion: 56 Resp: 161607

Ion Ratio Lower Upper

56 100

69 32.5 26.1 39.1

84 90.5 73.0 109.4



#31

1,1,1-Trichloroethane

Concen: 49.395 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW007140.D

Acq: 30 Nov 2018 12:48

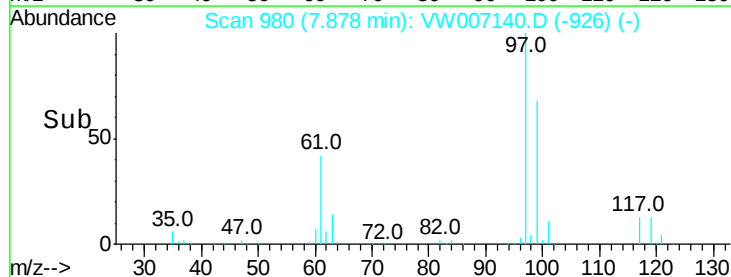
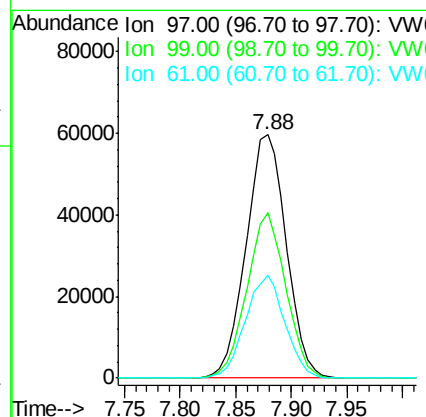
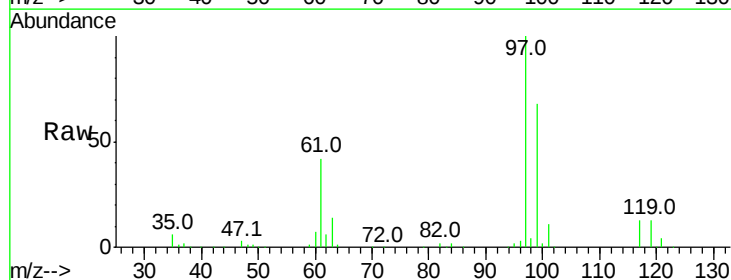
Tgt Ion: 97 Resp: 150184

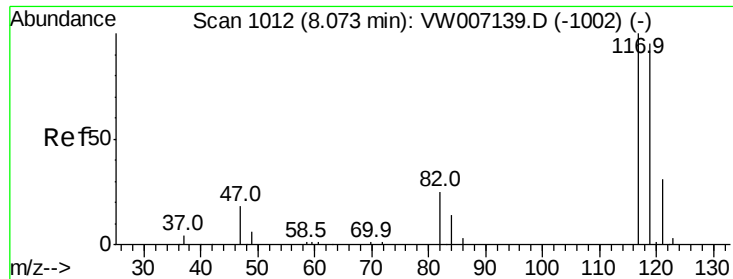
Ion Ratio Lower Upper

97 100

99 65.5 51.9 77.9

61 41.4 33.4 50.0





#32

Carbon tetrachloride

Concen: 49.482 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW007140.D

Acq: 30 Nov 2018 12:48

Instrument :

MSVOA_W

ClientSampleId :

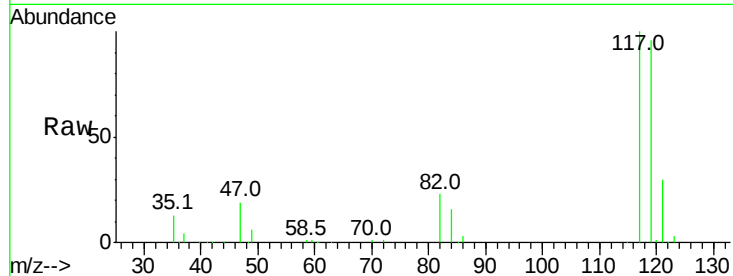
VSTD05084

Tgt Ion:117 Resp: 135907

Ion Ratio Lower Upper

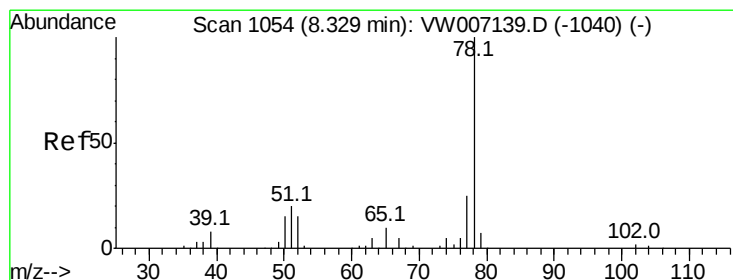
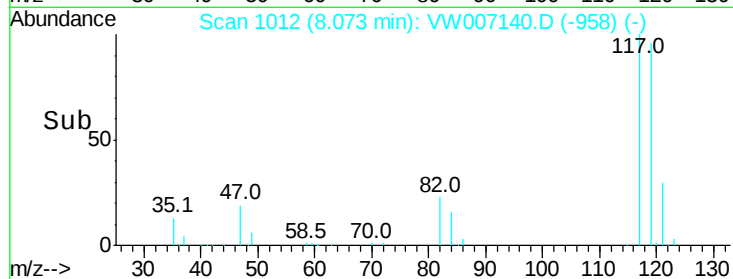
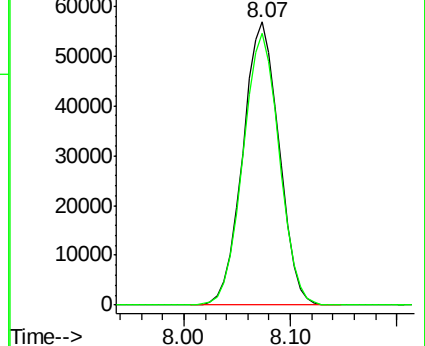
117 100

119 96.2 75.5 113.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 54.591 ug/L

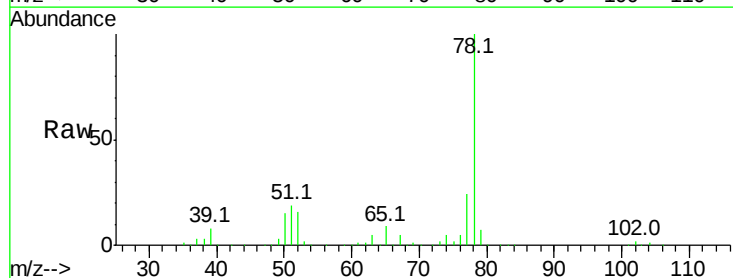
RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

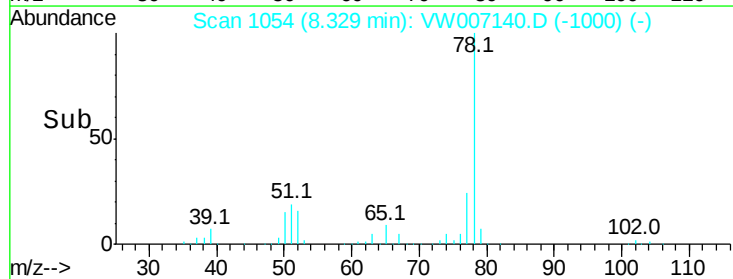
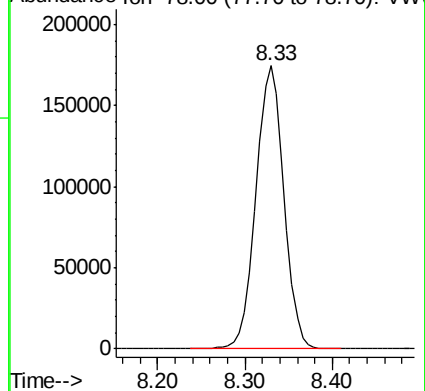
Lab File: VW007140.D

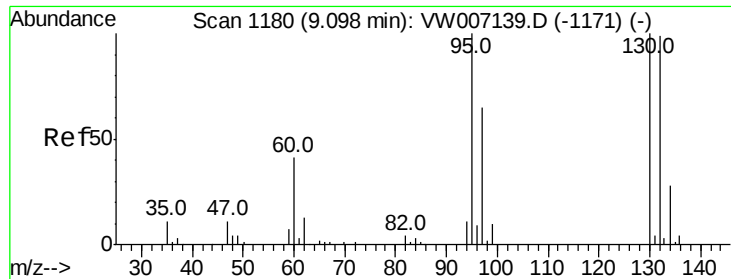
Acq: 30 Nov 2018 12:48

Tgt Ion: 78 Resp: 386004



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 52.599 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VW007140.D

Acq: 30 Nov 2018 12:48

Instrument :

MSVOA_W

ClientSampled :

VSTD05084

Tgt Ion: 95 Resp: 103928

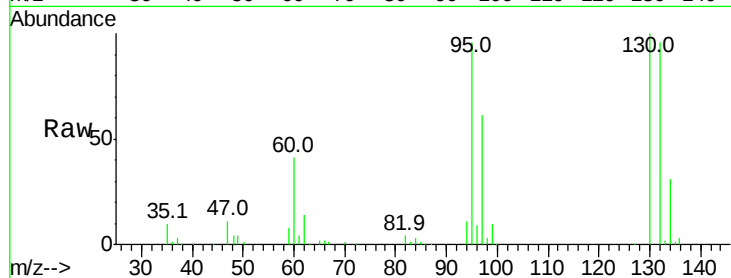
Ion Ratio Lower Upper

95 100

97 65.3 44.7 83.1

132 97.8 68.2 126.6

130 102.3 70.9 131.7



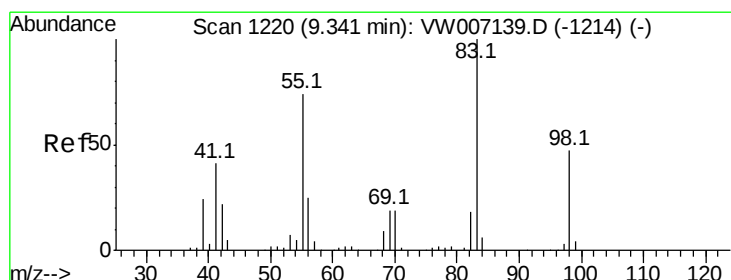
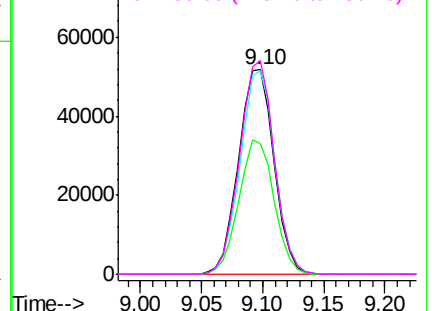
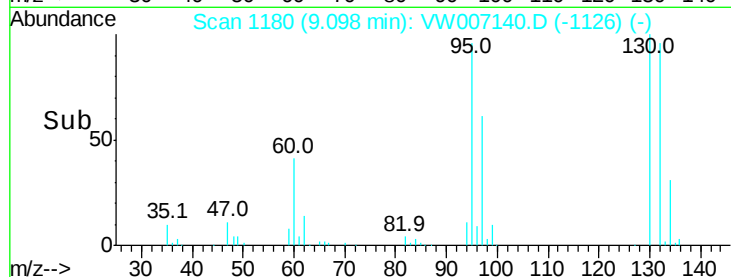
Abundance

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: 53.964 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. 0.00 min

Lab File: VW007140.D

Acq: 30 Nov 2018 12:48

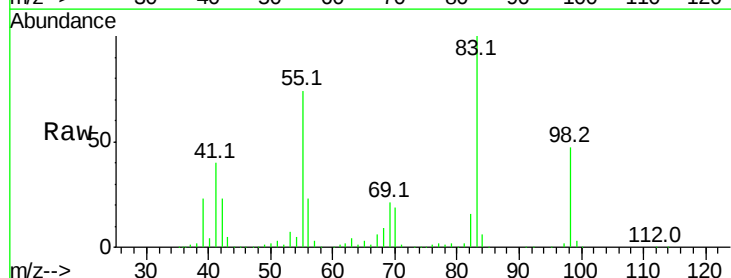
Tgt Ion: 83 Resp: 189612

Ion Ratio Lower Upper

83 100

55 74.2 60.2 90.4

98 47.1 38.8 58.2

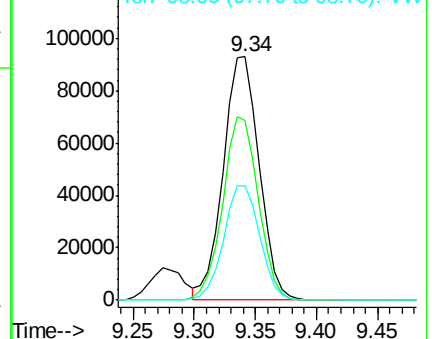
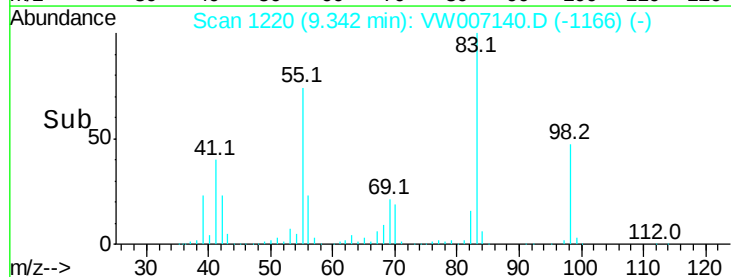


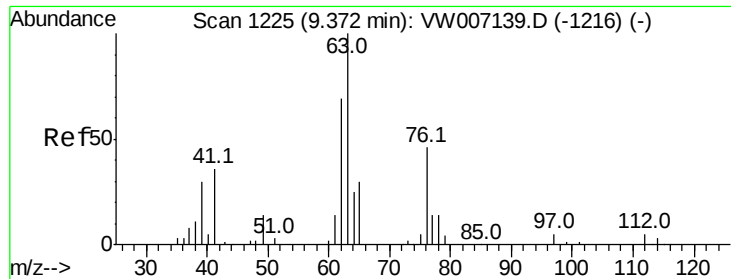
Abundance

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

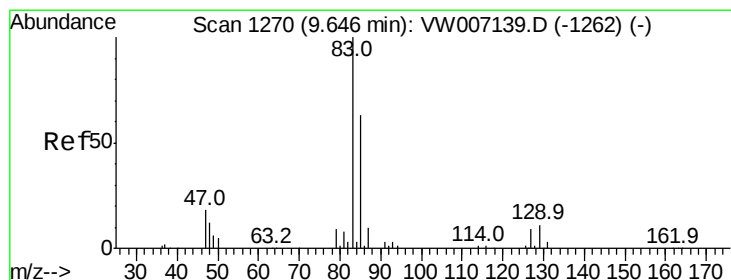
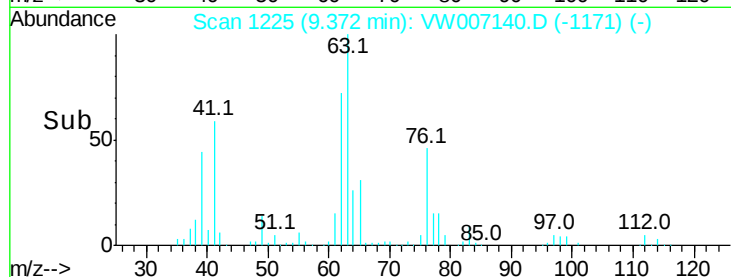
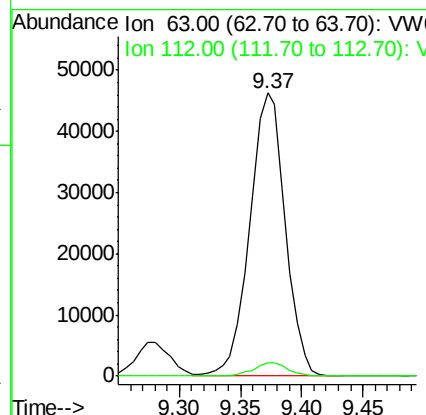
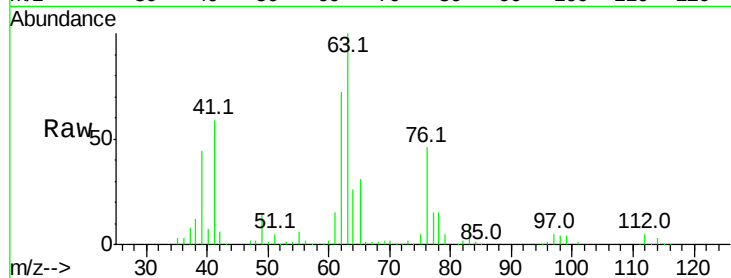




#40
 1,2-Dichloropropane
 Concen: 53.371 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW007140.D
 Acq: 30 Nov 2018 12:48

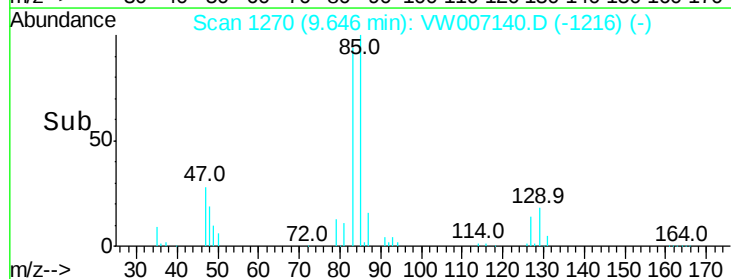
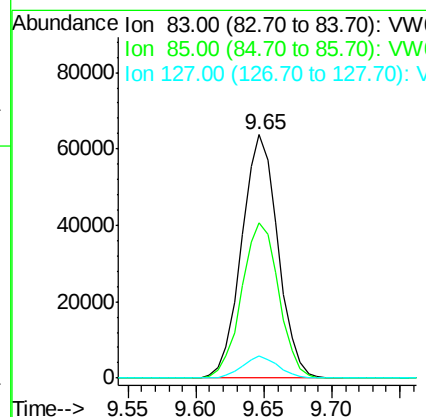
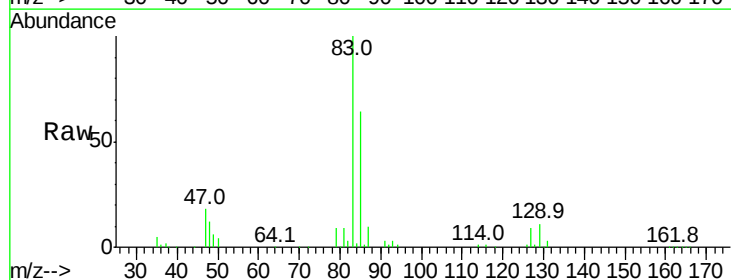
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05084

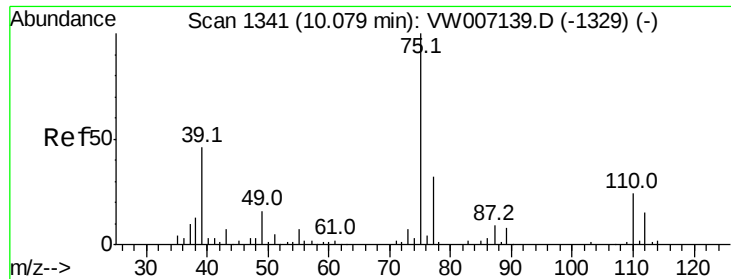
Tgt Ion: 63 Resp: 93481
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.4 5.2



#41
 Bromodichloromethane
 Concen: 50.672 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW007140.D
 Acq: 30 Nov 2018 12:48

Tgt Ion: 83 Resp: 118659
 Ion Ratio Lower Upper
 83 100
 85 63.9 43.9 81.5
 127 9.1 7.1 10.7





#42

cis-1,3-Dichloropropene

Concen: 54.416 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VW007140.D

Acq: 30 Nov 2018 12:48

Instrument :

MSVOA_W

ClientSampleId :

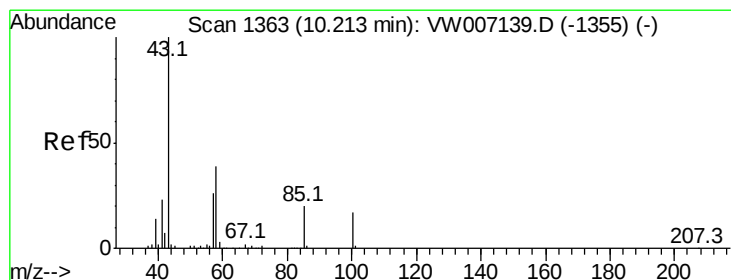
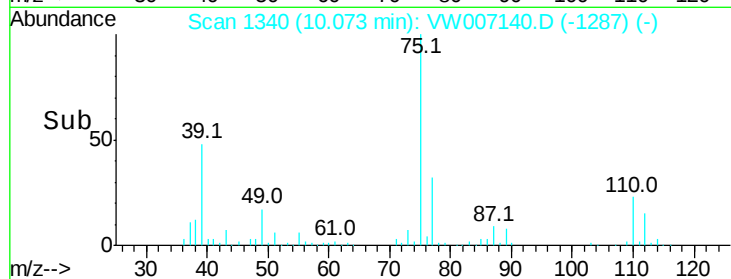
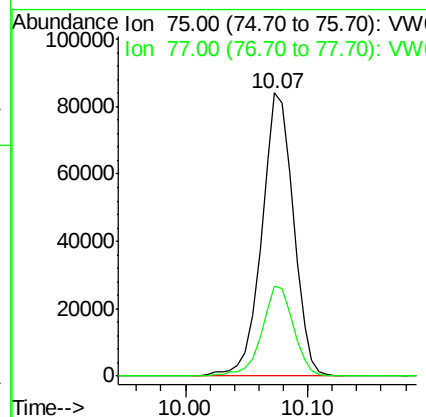
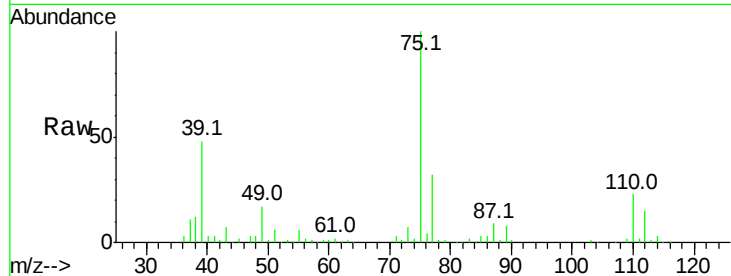
VSTD05084

Tgt Ion: 75 Resp: 152171

Ion Ratio Lower Upper

75 100

77 31.9 22.3 41.5



#43

4-Methyl-2-pentanone

Concen: 117.938 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW007140.D

Acq: 30 Nov 2018 12:48

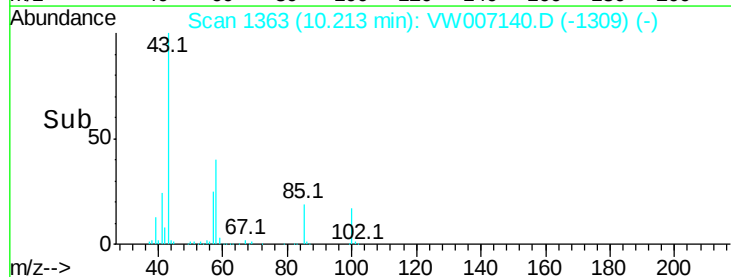
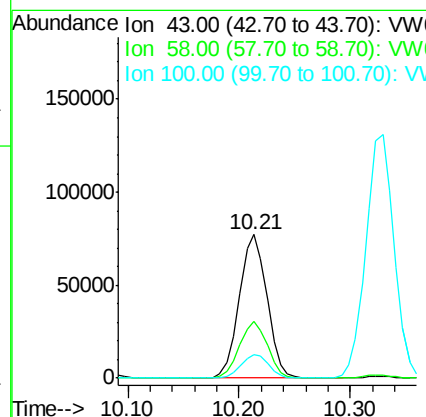
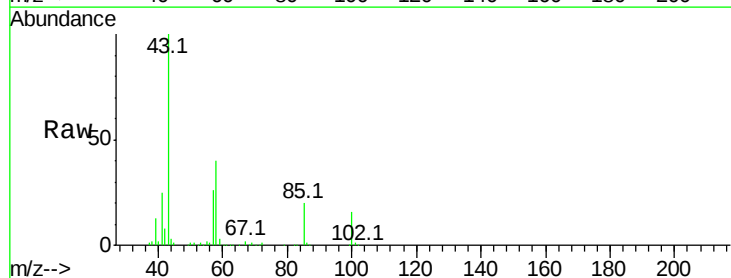
Tgt Ion: 43 Resp: 133583

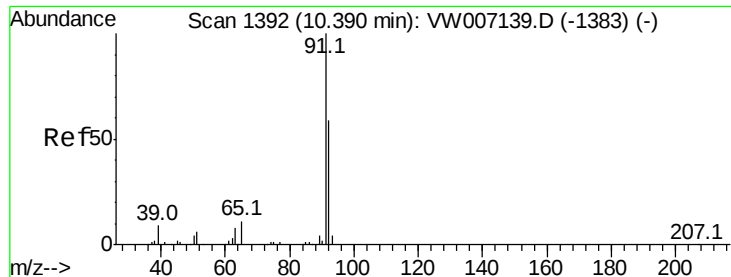
Ion Ratio Lower Upper

43 100

58 39.6 31.4 47.2

100 16.6 13.1 19.7





#44

Toluene

Concen: 53.898 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007140.D

Acq: 30 Nov 2018 12:48

Instrument :

MSVOA_W

ClientSampleId :

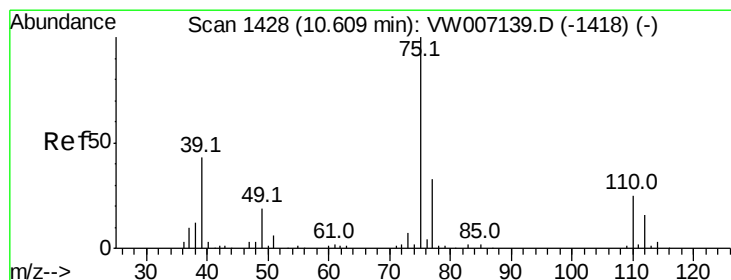
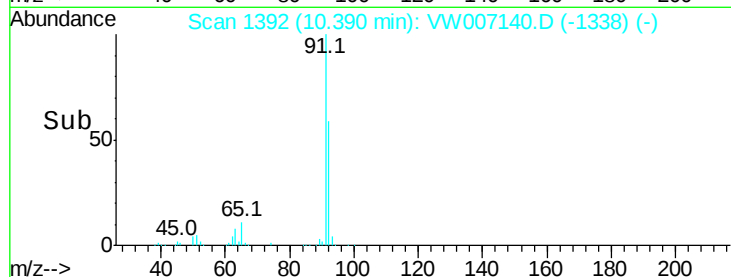
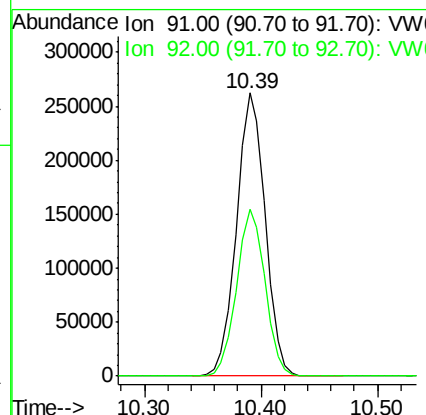
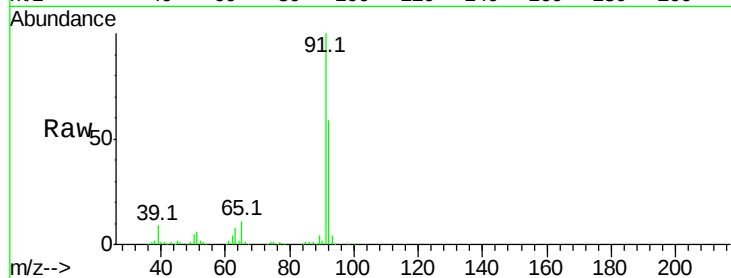
VSTD05084

Tgt Ion: 91 Resp: 449174

Ion Ratio Lower Upper

91 100

92 58.8 41.2 76.6



#45

trans-1,3-Dichloropropene

Concen: 56.062 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW007140.D

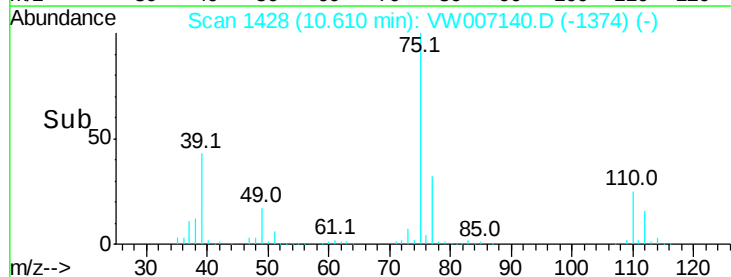
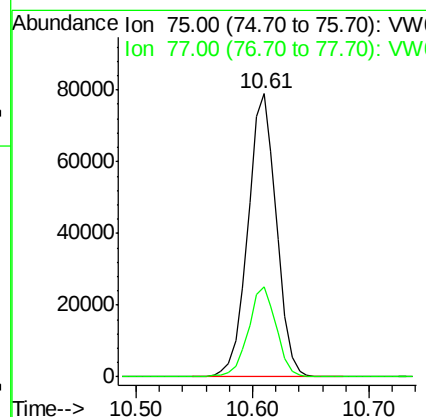
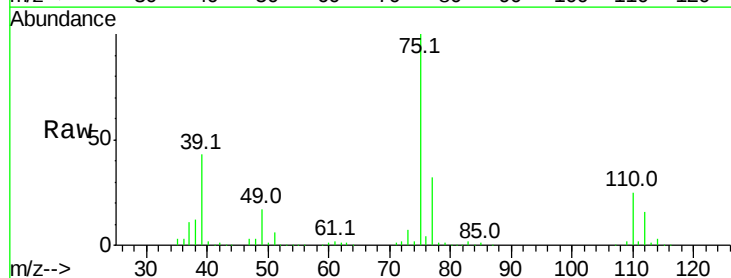
Acq: 30 Nov 2018 12:48

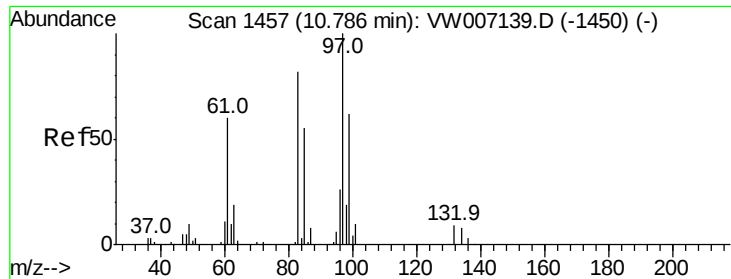
Tgt Ion: 75 Resp: 134204

Ion Ratio Lower Upper

75 100

77 31.7 23.2 43.2

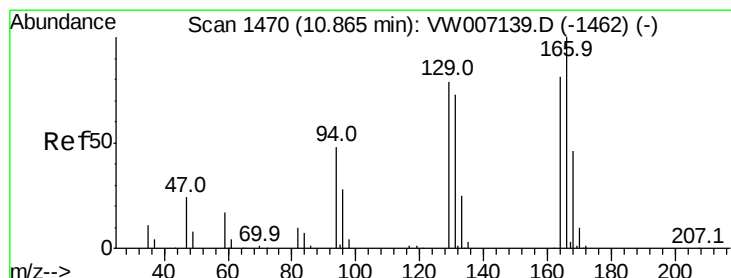
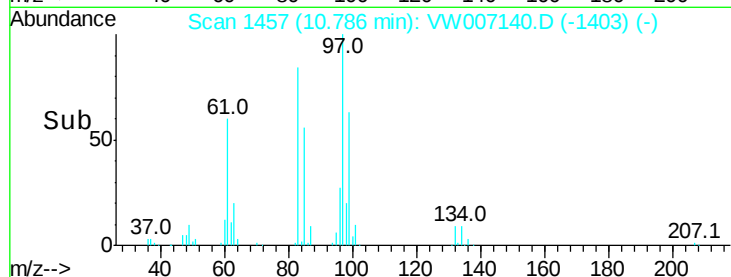
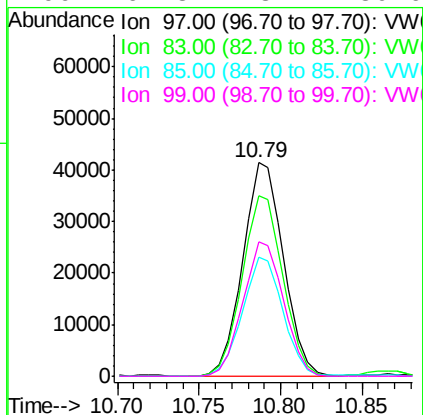
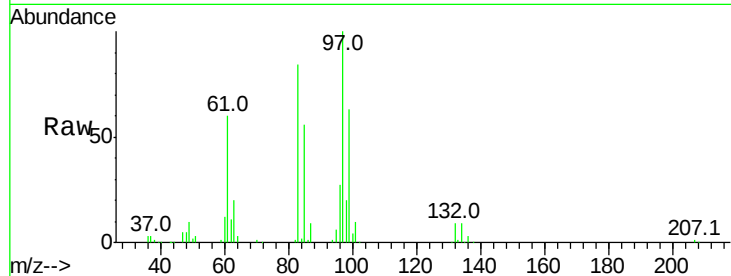




#46
 1,1,2-Trichloroethane
 Concen: 54.067 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW007140.D
 Acq: 30 Nov 2018 12:48

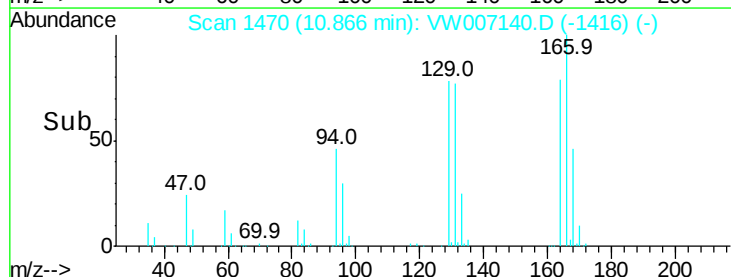
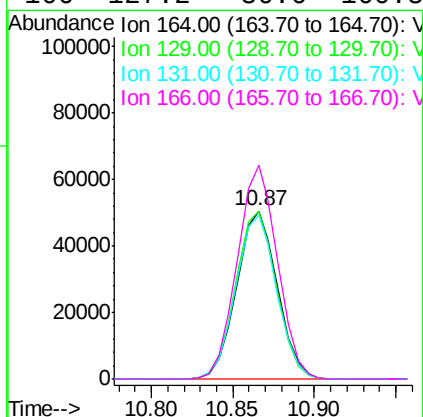
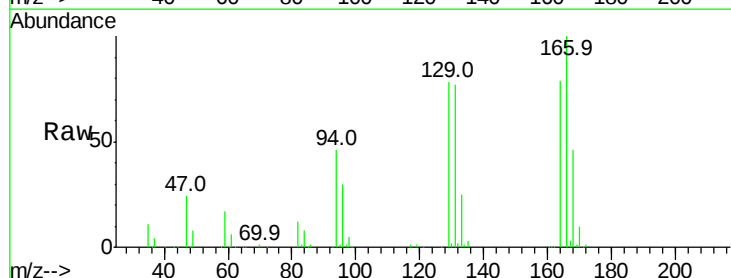
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05084

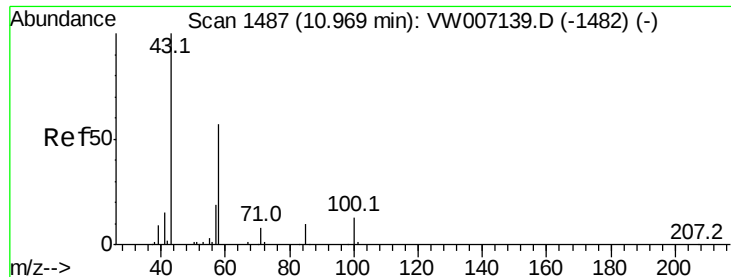
Tgt Ion: 97 Resp: 72006
 Ion Ratio Lower Upper
 97 100
 83 84.3 57.1 106.1
 85 55.7 38.6 71.8
 99 62.8 43.4 80.6



#47
 Tetrachloroethene
 Concen: 53.722 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW007140.D
 Acq: 30 Nov 2018 12:48

Tgt Ion: 164 Resp: 87445
 Ion Ratio Lower Upper
 164 100
 129 99.6 68.5 127.3
 131 97.6 63.3 117.7
 166 127.2 86.6 160.8

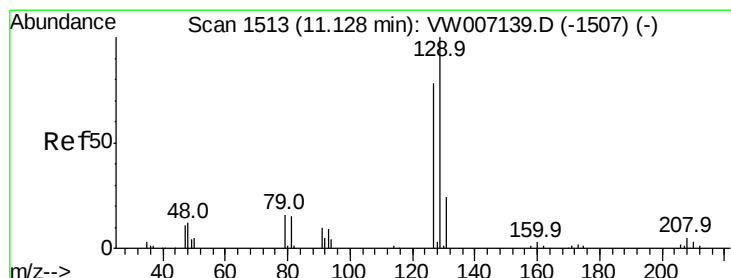
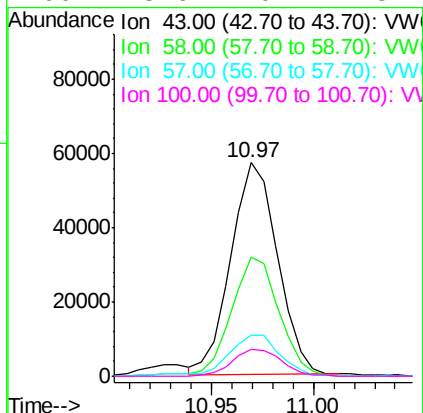
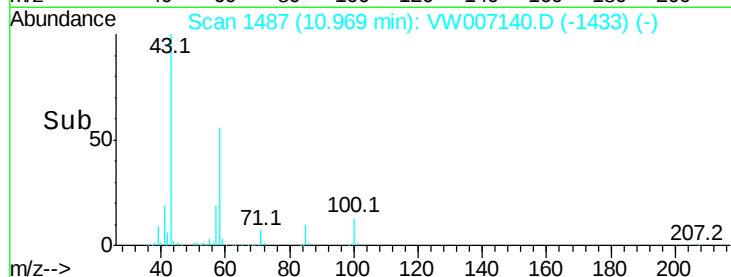
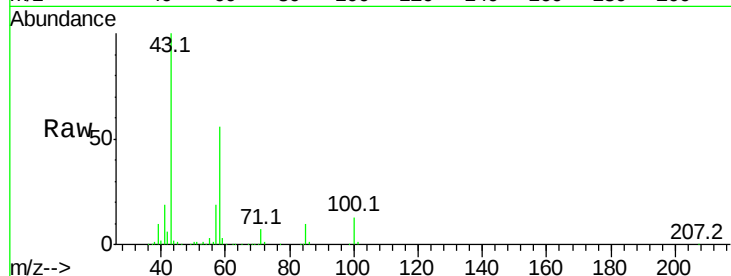




#49
2-Hexanone
Concen: 106.192 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW007140.D
Acq: 30 Nov 2018 12:48

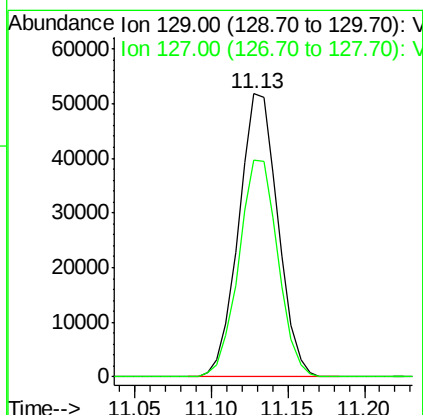
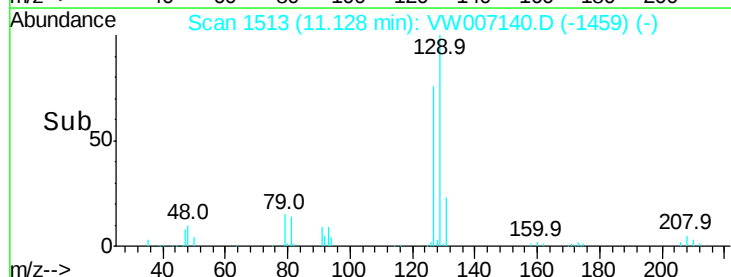
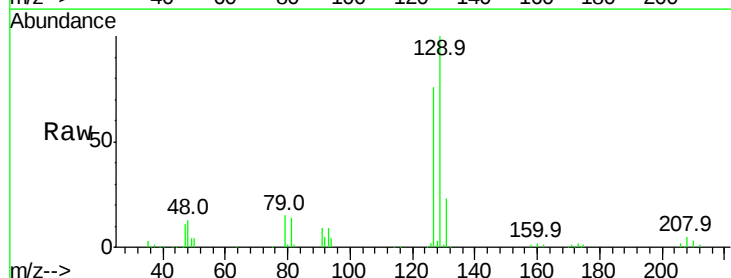
Instrument :
MSVOA_W
ClientSampled :
VSTD05084

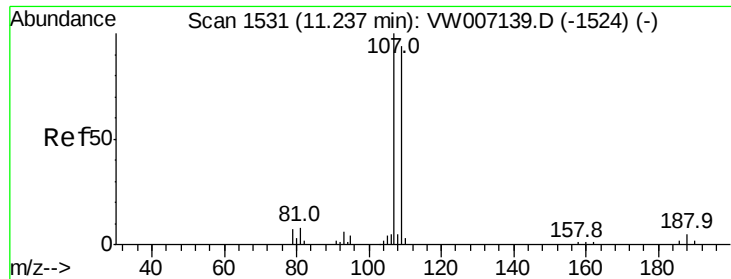
Tgt Ion: 43 Resp: 90644
Ion Ratio Lower Upper
43 100
58 56.9 44.2 66.2
57 20.9 16.3 24.5
100 13.6 10.1 15.1



#50
Dibromochloromethane
Concen: 56.385 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW007140.D
Acq: 30 Nov 2018 12:48

Tgt Ion: 129 Resp: 91996
Ion Ratio Lower Upper
129 100
127 76.5 54.6 101.4

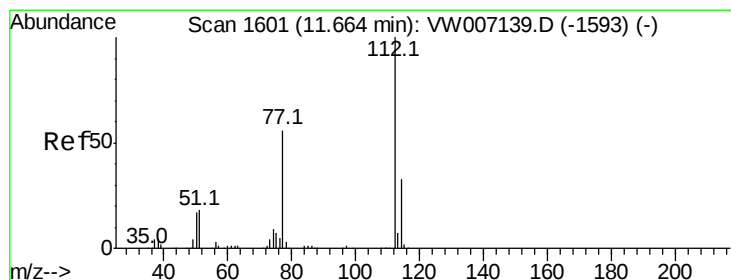
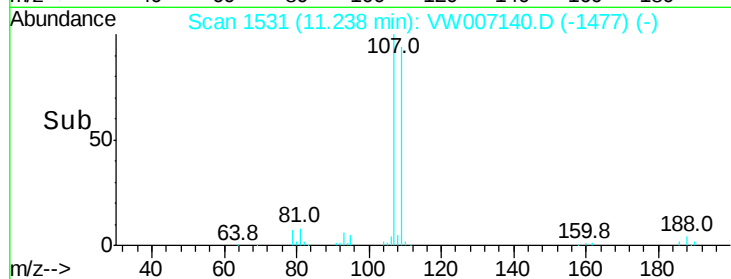
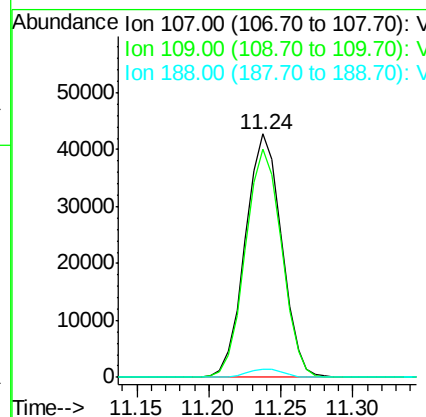
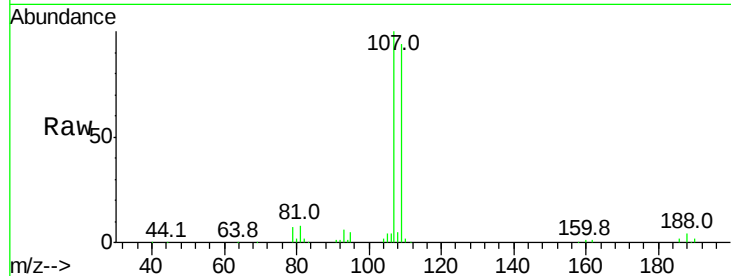




#51
1,2-Dibromoethane
Concen: 55.997 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW007140.D
Acq: 30 Nov 2018 12:48

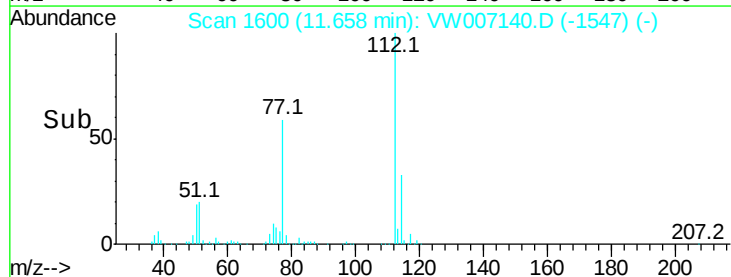
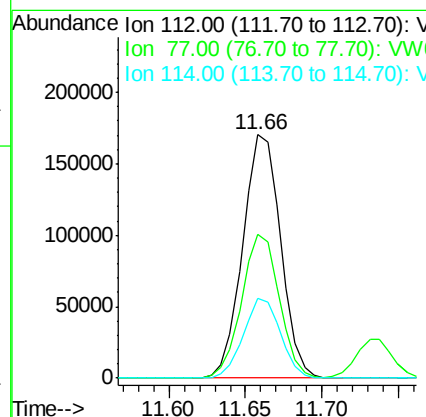
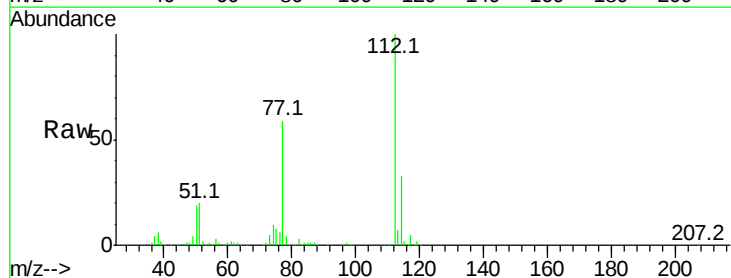
Instrument :
MSVOA_W
ClientSampleId :
VSTD05084

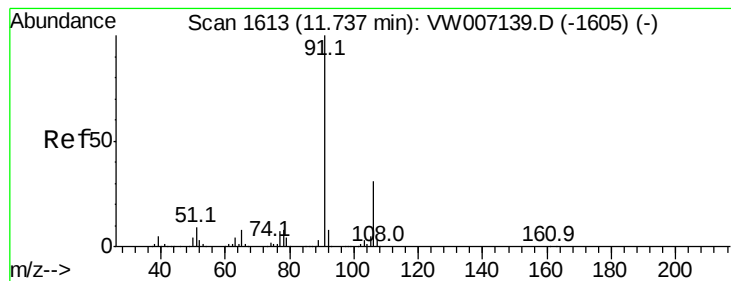
Tgt Ion:107 Resp: 74684
Ion Ratio Lower Upper
107 100
109 93.8 66.0 122.6
188 3.5 3.6 5.4#



#52
Chlorobenzene
Concen: 53.365 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VW007140.D
Acq: 30 Nov 2018 12:48

Tgt Ion:112 Resp: 293180
Ion Ratio Lower Upper
112 100
77 59.0 45.0 67.4
114 32.6 22.8 42.4





#53

Ethylbenzene

Concen: 52.948 ug/L

RT: 11.74 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VW007140.D

Acq: 30 Nov 2018 12:48

Instrument :

MSVOA_W

ClientSampleId :

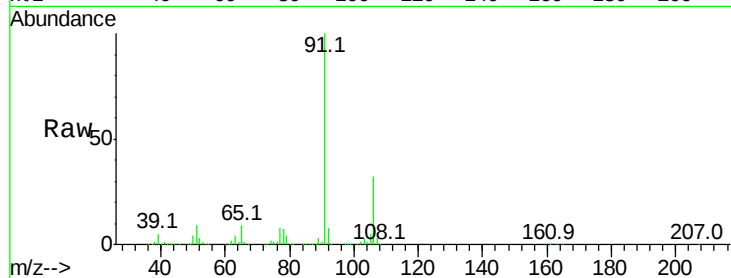
VSTD05084

Tgt Ion: 91 Resp: 518516

Ion Ratio Lower Upper

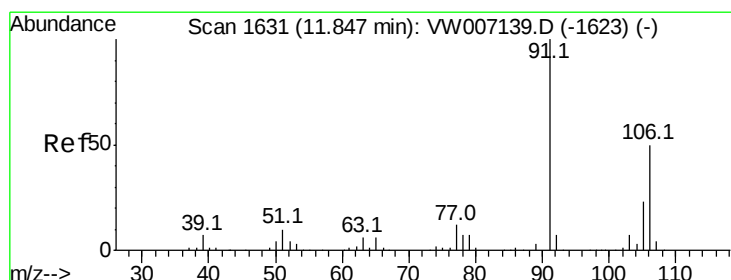
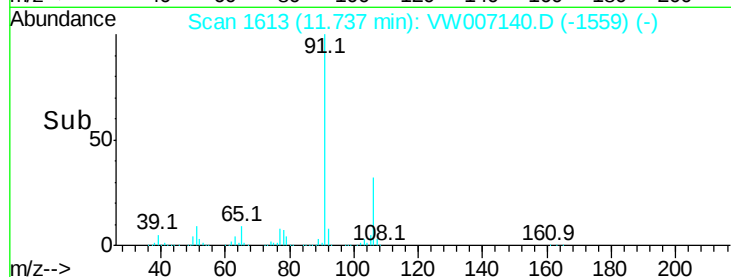
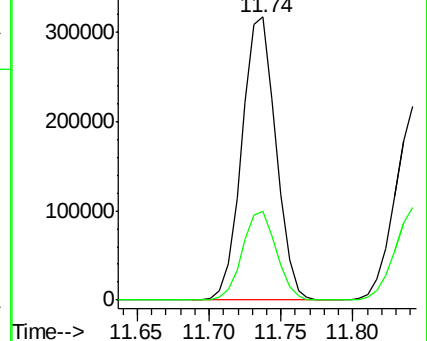
91 100

106 31.5 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 52.193 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.01 min

Lab File: VW007140.D

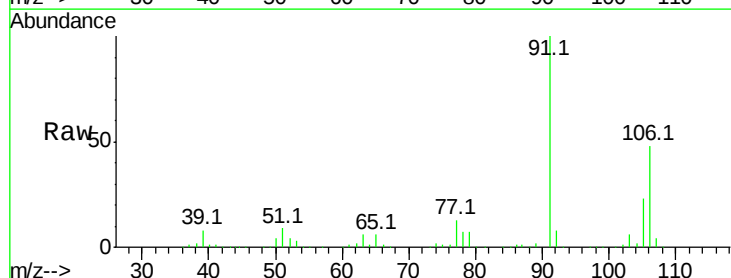
Acq: 30 Nov 2018 12:48

Tgt Ion: 106 Resp: 200794

Ion Ratio Lower Upper

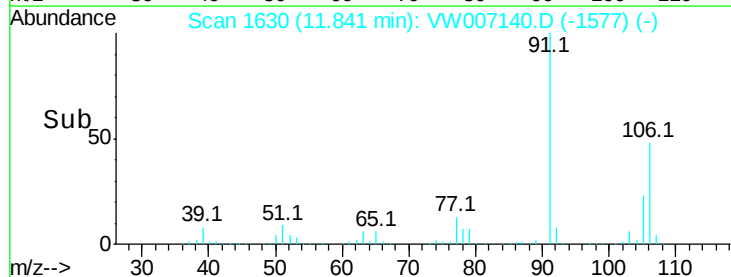
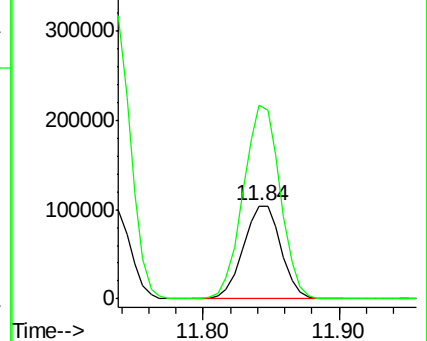
106 100

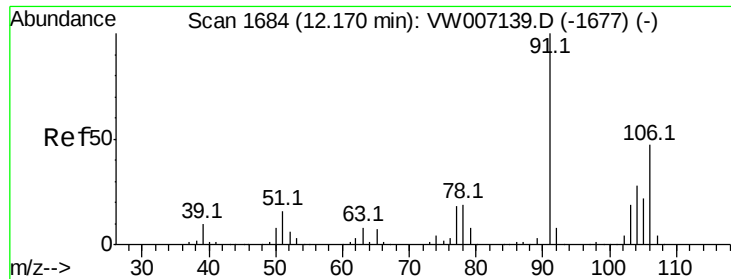
91 207.5 140.7 261.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

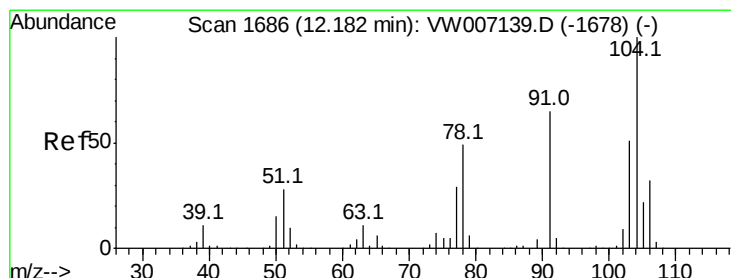
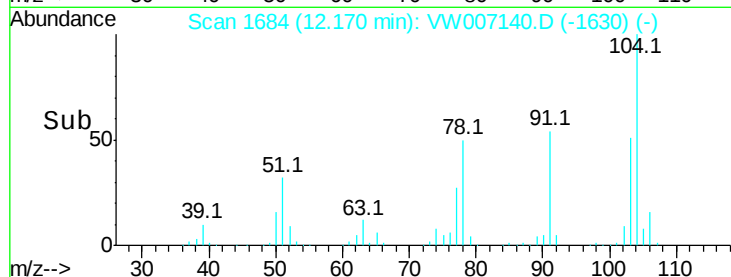
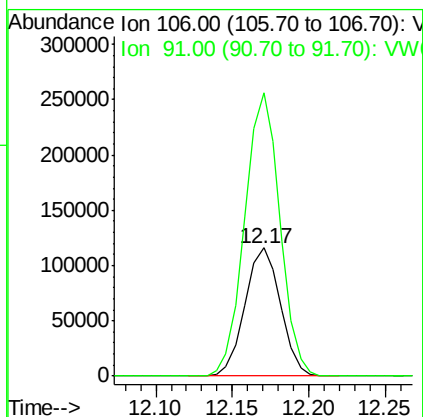
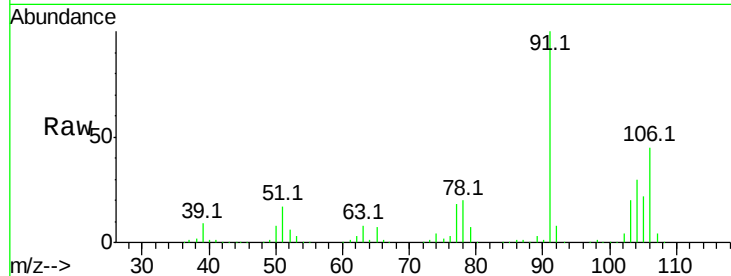




#55
o-xylene
Concen: 52.490 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007140.D
Acq: 30 Nov 2018 12:48

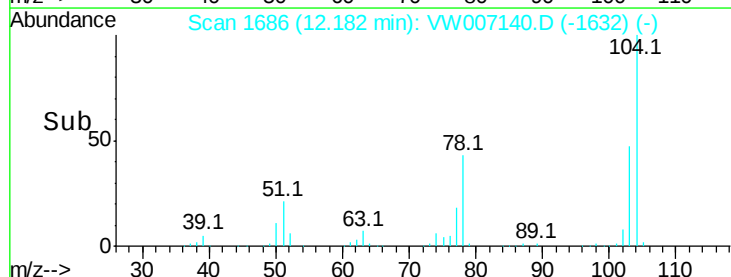
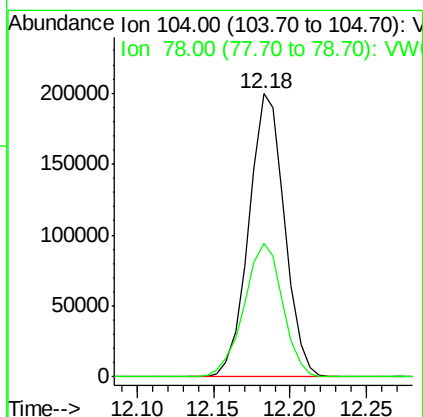
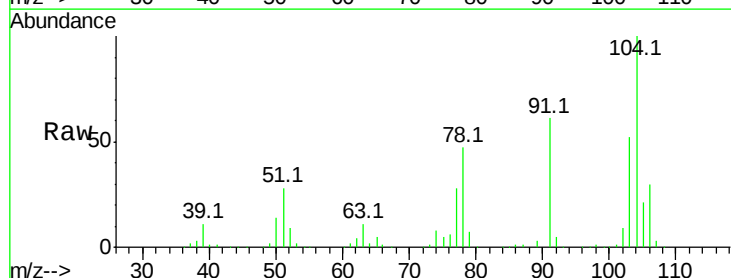
Instrument :
MSVOA_W
ClientSampled :
VSTD05084

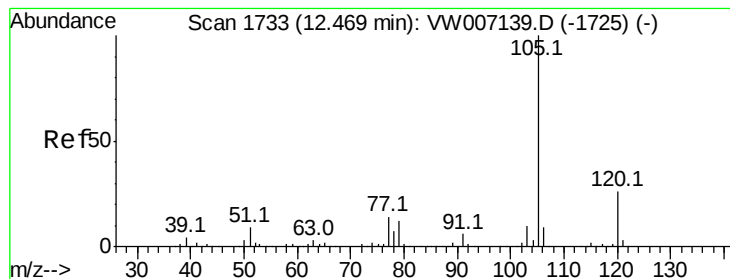
Tgt Ion:106 Resp: 188091
Ion Ratio Lower Upper
106 100
91 221.1 149.0 276.8



#56
Styrene
Concen: 53.947 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007140.D
Acq: 30 Nov 2018 12:48

Tgt Ion:104 Resp: 323254
Ion Ratio Lower Upper
104 100
78 47.1 34.6 64.2





#57

Isopropylbenzene

Concen: 53.048 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW007140.D

Acq: 30 Nov 2018 12:48

Instrument :

MSVOA_W

ClientSampled :

VSTD05084

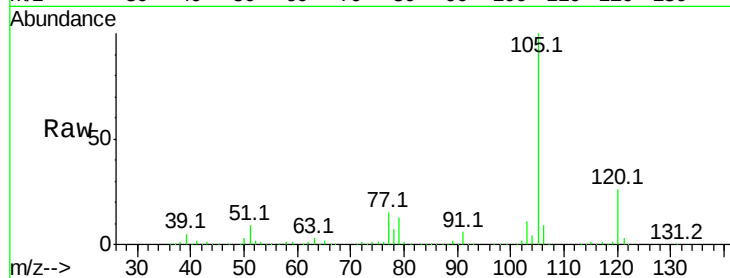
Tgt Ion: 105 Resp: 519887

Ion Ratio Lower Upper

105 100

120 26.2 20.8 31.2

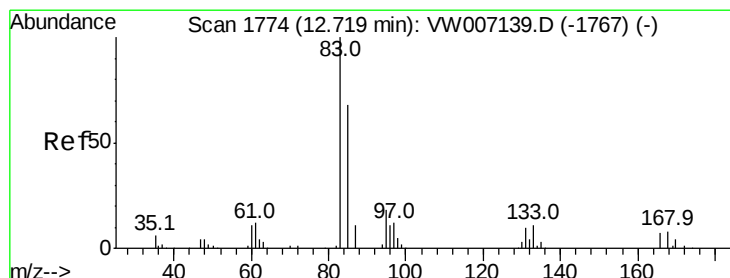
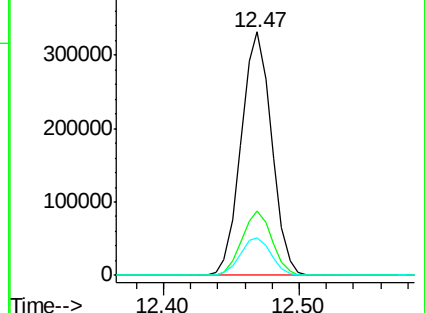
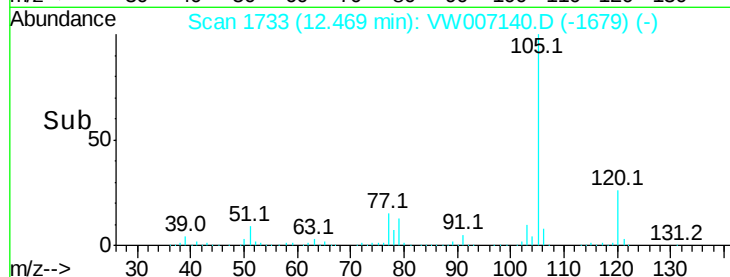
77 15.4 12.0 18.0



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: 58.708 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW007140.D

Acq: 30 Nov 2018 12:48

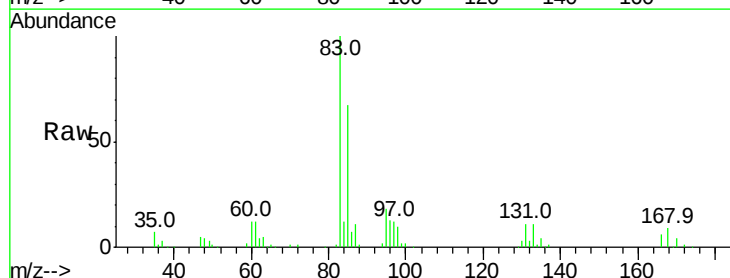
Tgt Ion: 83 Resp: 92636

Ion Ratio Lower Upper

83 100

85 67.4 47.8 88.8

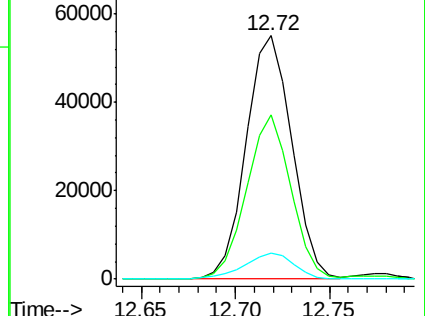
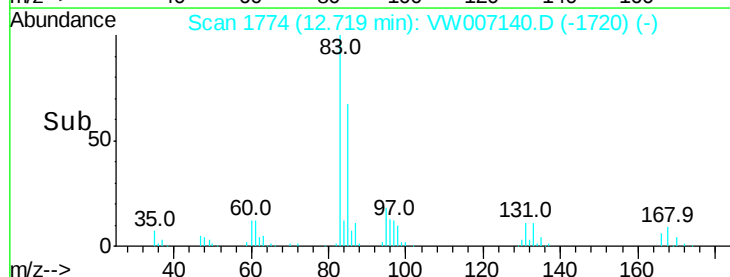
131 10.6 8.2 12.2

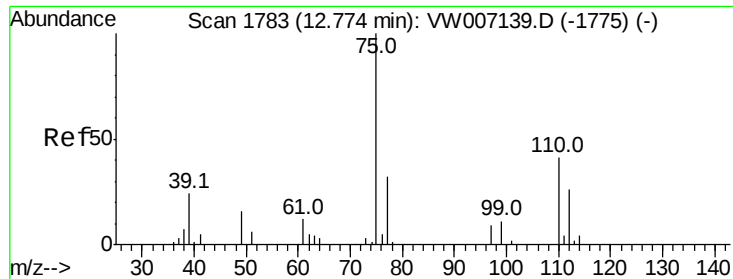


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 56.582 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW007140.D

Acq: 30 Nov 2018 12:48

Instrument :

MSVOA_W

ClientSampleId :

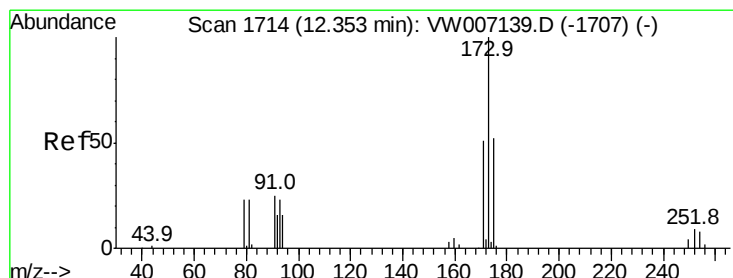
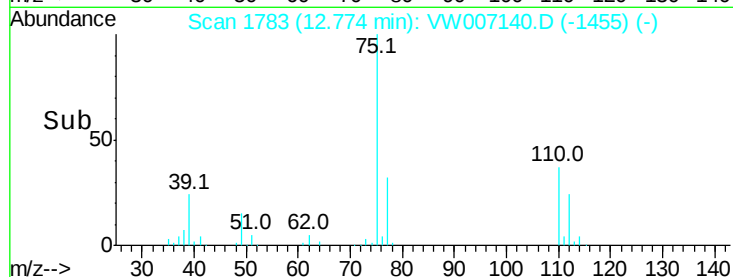
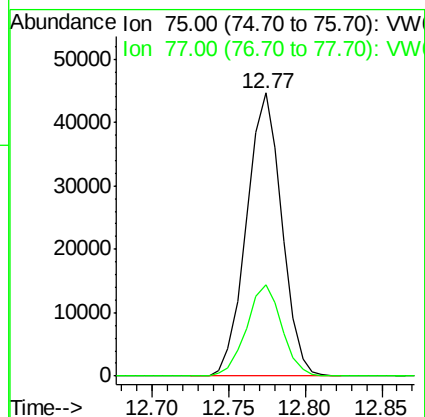
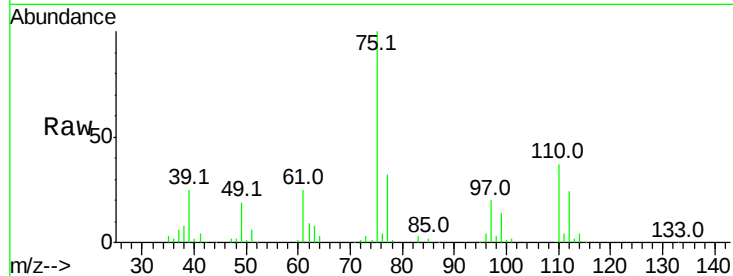
VSTD05084

Tgt Ion: 75 Resp: 71593

Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.6



#62

Bromoform

Concen: 57.871 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW007140.D

Acq: 30 Nov 2018 12:48

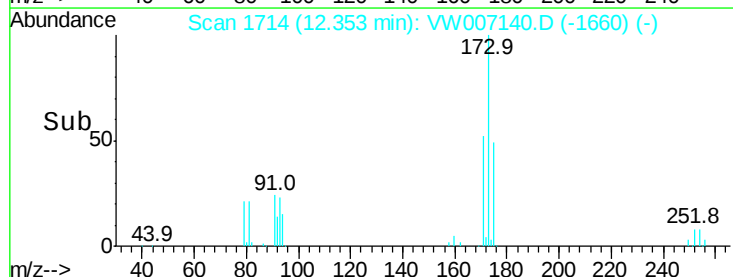
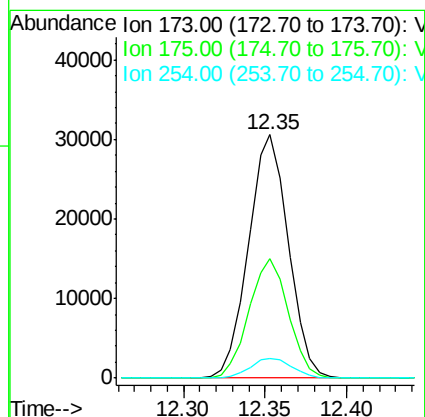
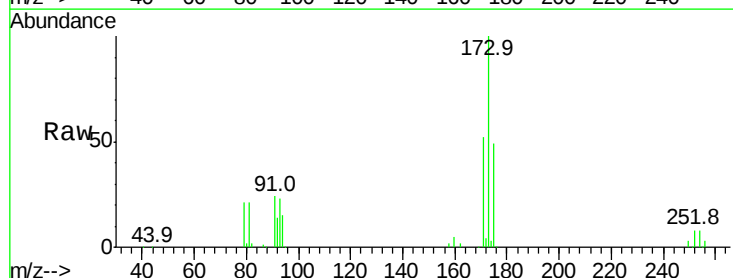
Tgt Ion: 173 Resp: 52119

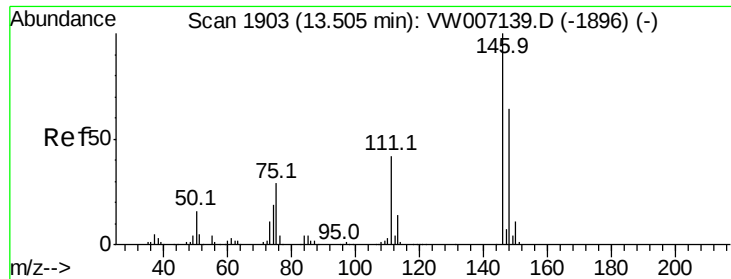
Ion Ratio Lower Upper

173 100

175 48.5 39.8 59.8

254 8.6 6.9 10.3

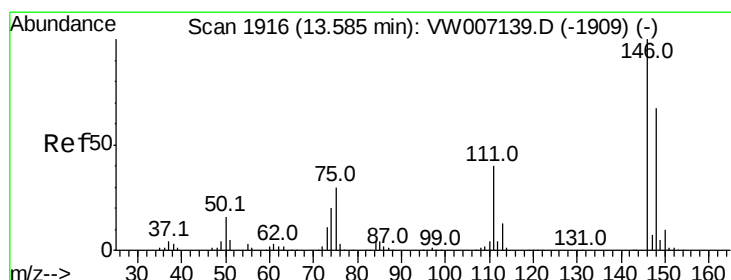
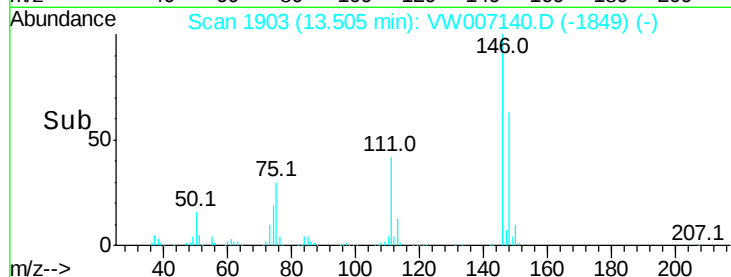
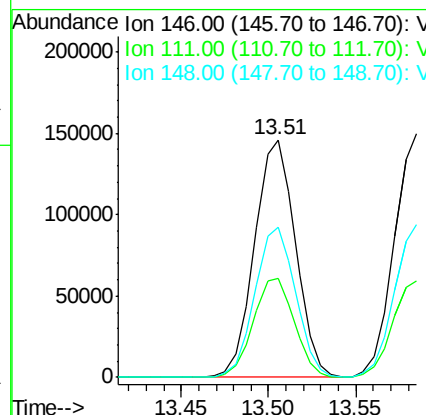
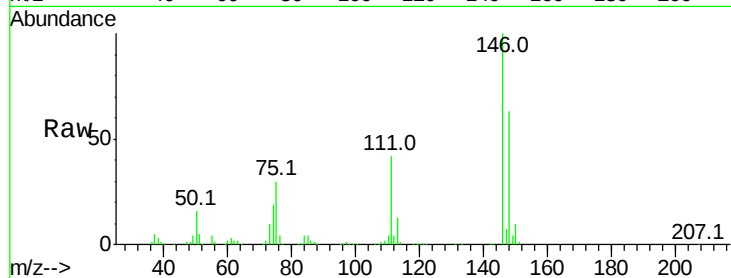




#63
 1,3-Dichlorobenzene
 Concen: 53.951 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW007140.D
 Acq: 30 Nov 2018 12:48

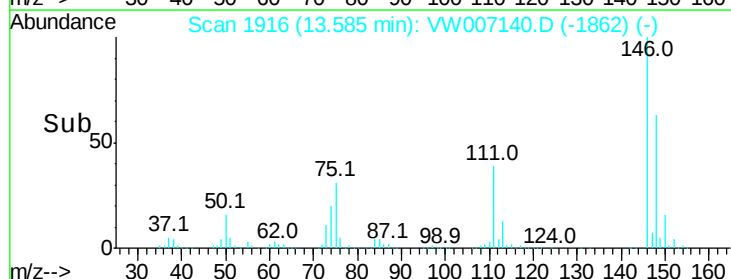
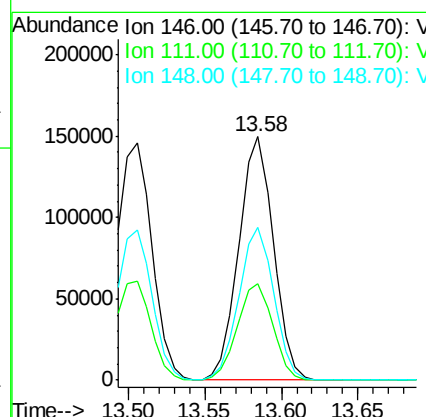
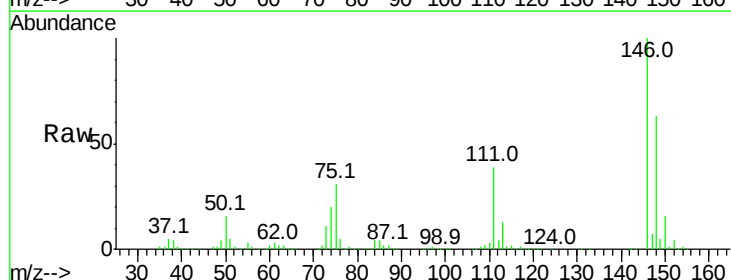
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05084

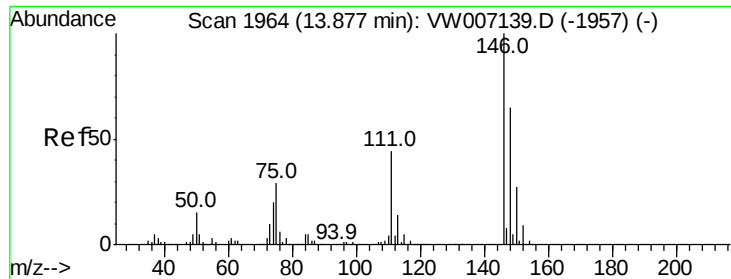
Tgt Ion:146 Resp: 237853
 Ion Ratio Lower Upper
 146 100
 111 41.5 29.2 54.2
 148 63.2 44.7 83.1



#64
 1,4-Dichlorobenzene
 Concen: 53.482 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW007140.D
 Acq: 30 Nov 2018 12:48

Tgt Ion:146 Resp: 235512
 Ion Ratio Lower Upper
 146 100
 111 39.5 28.2 52.4
 148 62.9 46.6 86.6

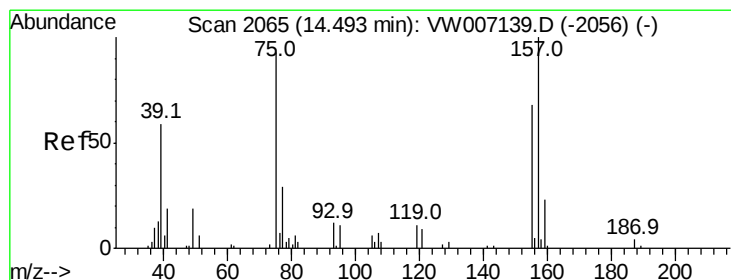
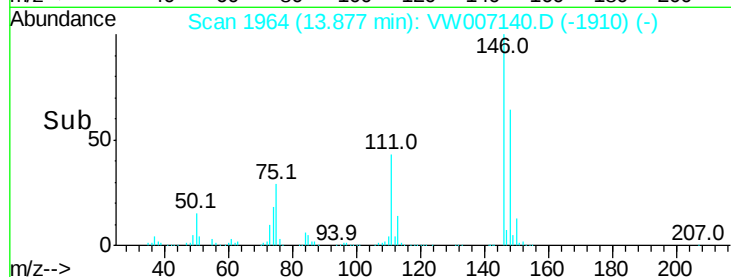
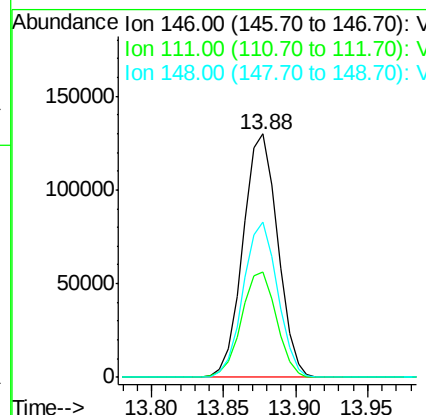
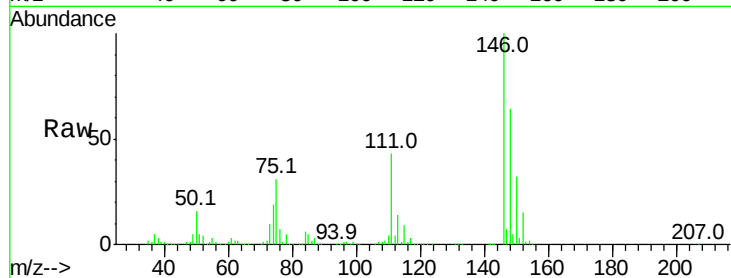




#65
 1,2-Dichlorobenzene
 Concen: 54.577 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW007140.D
 Acq: 30 Nov 2018 12:48

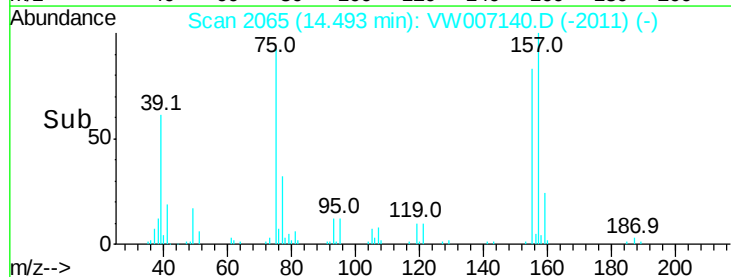
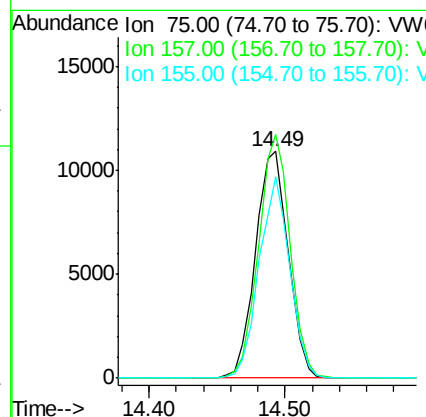
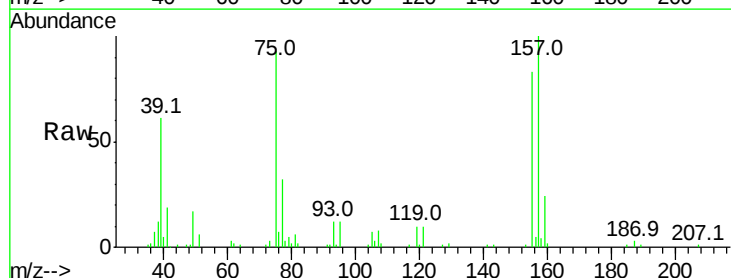
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD05084

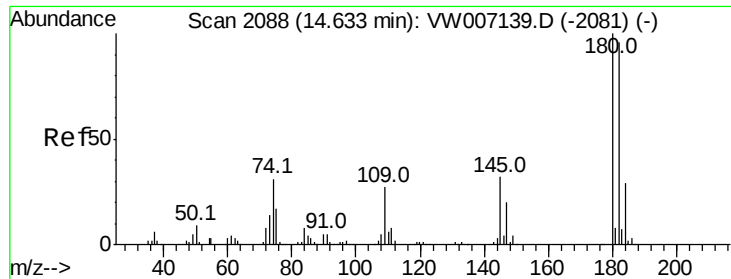
Tgt Ion:146 Resp: 216962
 Ion Ratio Lower Upper
 146 100
 111 43.3 35.3 52.9
 148 63.8 51.6 77.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 62.722 ug/L
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW007140.D
 Acq: 30 Nov 2018 12:48

Tgt Ion: 75 Resp: 18412
 Ion Ratio Lower Upper
 75 100
 157 107.4 86.4 129.6
 155 89.0 58.3 87.5#

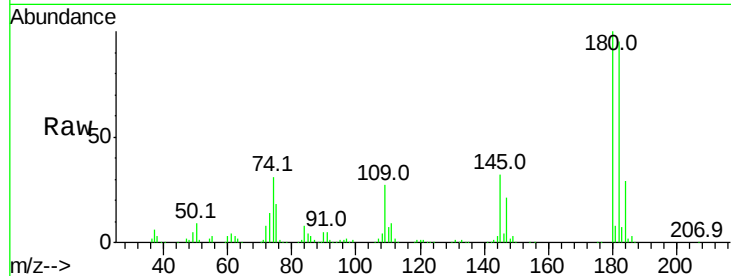




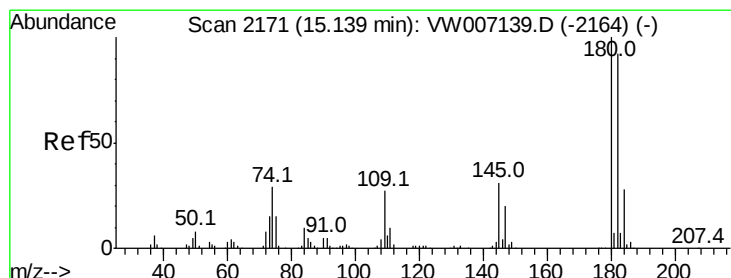
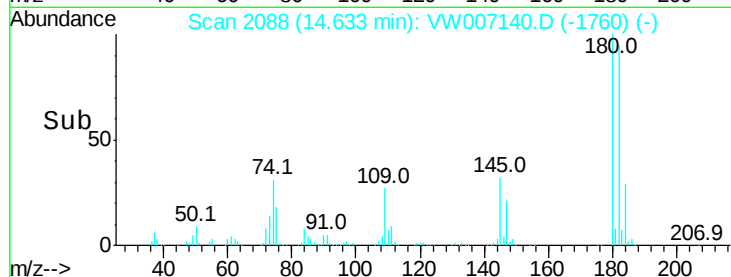
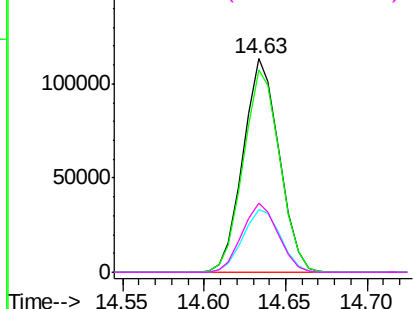
#67
1,3,5-Trichlorobenzene
Concen: 59.603 ug/L
RT: 14.63 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VW007140.D
Acq: 30 Nov 2018 12:48

Instrument :
MSVOA_W
ClientSampleId :
VSTD05084

Tgt Ion:180 Resp: 174991
Ion Ratio Lower Upper
180 100
182 95.5 75.9 113.9
184 30.3 24.2 36.4
145 32.3 26.1 39.1

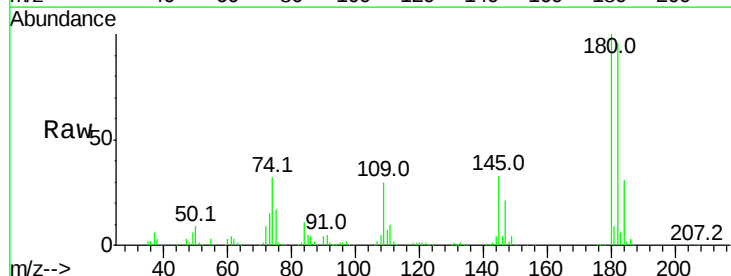


Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 184.00 (183.70 to 184.70): V
Ion 145.00 (144.70 to 145.70): V

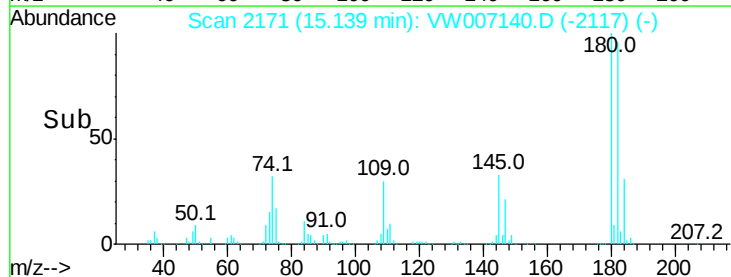
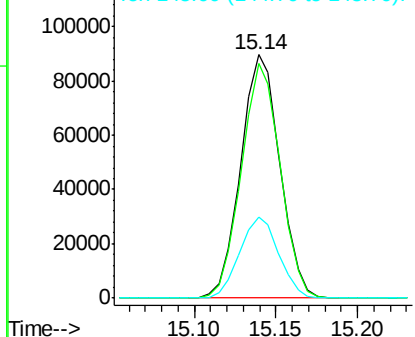


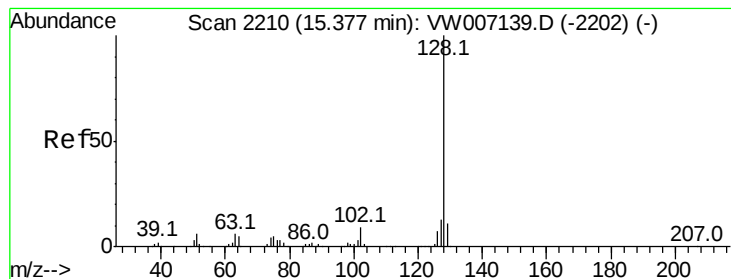
#68
1,2,4-trichlorobenzene
Concen: 61.795 ug/L
RT: 15.14 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VW007140.D
Acq: 30 Nov 2018 12:48

Tgt Ion:180 Resp: 149718
Ion Ratio Lower Upper
180 100
182 95.2 75.6 113.4
145 33.1 26.6 39.8



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: 67.444 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW007140.D

Acq: 30 Nov 2018 12:48

Instrument :

MSVOA_W

ClientSampleId :

VSTD05084

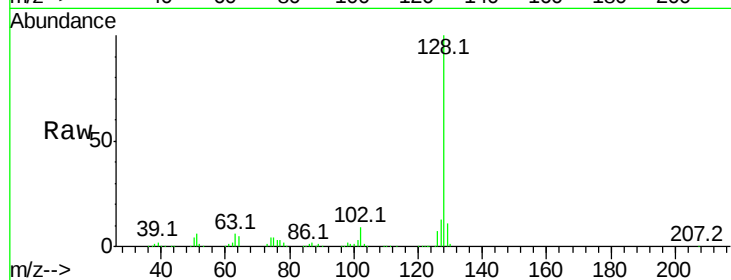
Tgt Ion:128 Resp: 338344

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

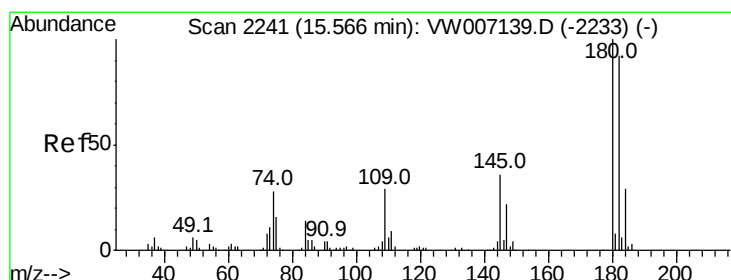
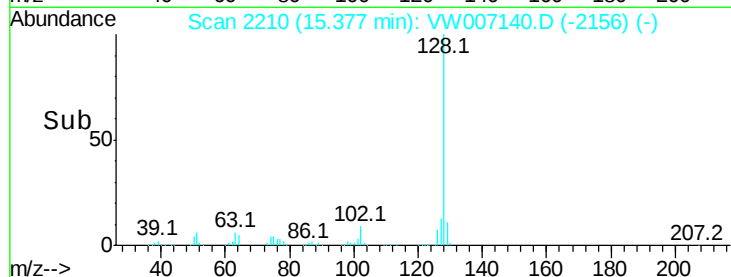
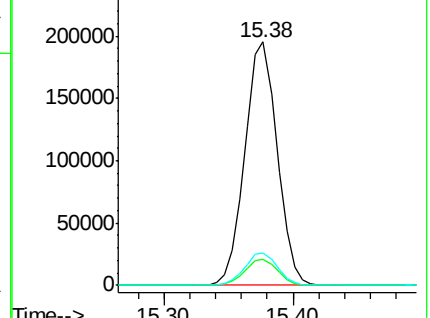
127 13.5 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 62.199 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW007140.D

Acq: 30 Nov 2018 12:48

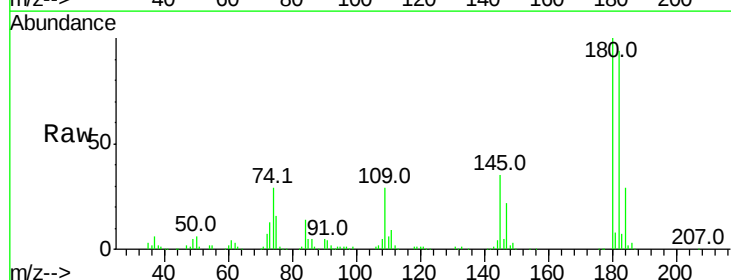
Tgt Ion:180 Resp: 132450

Ion Ratio Lower Upper

180 100

182 95.2 75.0 112.4

145 36.2 28.2 42.4



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

