

Data File : VW013615.D
Acq On : 18 Oct 2019 10:23
Operator : SY/VA
Sample : VSTD00522
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD00504

Quant Time: Oct 18 11:41:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis
QLast Update : Fri Oct 18 11:37:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	334891	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	322934	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	194873	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	21424	5.59	ug/L	0.00
7) Chloroethane-d5	2.89	69	21952	7.46	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	42256	5.31	ug/L	0.00
20) 2-Butanone-d5	7.07	46	14365	12.44	ug/L	0.00
24) Chloroform-d	7.65	84	49766	6.84	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	25920	6.88	ug/L	0.00
29) Benzene-d6	8.27	84	106996	6.19	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	30863	6.01	ug/L	0.00
37) Toluene-d8	10.32	98	97783	5.96	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	12791	5.59	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	11117	10.83	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	25417	6.18	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	35931	5.13	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.02	85	8487	4.651 ug/L	93
3) Chloromethane	2.21	50	9717	3.031 ug/L	88
5) Vinyl chloride	2.37	62	11985	2.642 ug/L	91
6) Bromomethane	2.78	94	9038	3.253 ug/L	97
8) Chloroethane	2.93	64	8613	3.385 ug/L	94
9) Trichlorofluoromethane	3.26	101	9056	3.829 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	4510	1.075 ug/L #	1
12) 1,1-Dichloroethene	4.05	96	12807	3.046 ug/L	75
14) Carbon disulfide	4.39	76	33294	2.595 ug/L	100
16) Methylene chloride	4.93	84	19253	3.796 ug/L	99
17) Methyl tert-butyl Ether	5.43	73	17185	2.544 ug/L #	66
18) trans-1,2-Dichloroethene	5.43	96	13832	3.083 ug/L	93
19) 1,1-Dichloroethane	6.21	63	24493	3.252 ug/L	97
21) 2-Butanone	7.17	43	7492	4.615 ug/L	80
22) cis-1,2-Dichloroethene	7.17	96	15090	3.145 ug/L	94
23) Bromochloromethane	7.51	128	4630	2.155 ug/L	81
25) Chloroform	7.68	83	24935	3.356 ug/L	97
27) 1,2-Dichloroethane	8.40	62	15643	3.329 ug/L	95
30) Cyclohexane	7.96	56	21955	2.586 ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	18757	2.884 ug/L	98
32) Carbon tetrachloride	8.07	117	17842	2.860 ug/L	100
34) Benzene	8.32	78	58061	2.976 ug/L	100
35) Trichloroethene	9.09	95	14968	2.941 ug/L	100
36) Methylcyclohexane	9.34	83	25157	2.718 ug/L	96
40) 1,2-Dichloropropane	9.37	63	14546	3.095 ug/L	99
41) Bromodichloromethane	9.65	83	16545	2.866 ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	19974	2.649 ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	19283	5.880 ug/L	95
44) Toluene	10.39	91	61241	2.897 ug/L	96
45) trans-1,3-Dichloropropene	10.60	75	16617	2.791 ug/L	95

Data File : VW013615.D
Acq On : 18 Oct 2019 10:23
Operator : SY/VA
Sample : VSTD00522
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD00504

Quant Time: Oct 18 11:41:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M
Quant Title : VOC Analysis
QLast Update : Fri Oct 18 11:37:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1,2-Trichloroethane	10.79	97	10160	2.848	ug/L	96
47) Tetrachloroethene	10.86	164	14504	3.127	ug/L	92
49) 2-Hexanone	10.97	43	13335	5.595	ug/L	96
50) Dibromochloromethane	11.13	129	12184	2.901	ug/L	99
51) 1,2-Dibromoethane	11.24	107	10440	2.979	ug/L	89
52) Chlorobenzene	11.66	112	40107	2.989	ug/L	98
53) Ethylbenzene	11.73	91	67383	2.879	ug/L	95
54) m,p-Xylene	11.84	106	25637	2.808	ug/L	99
55) o-xylene	12.16	106	23949	2.810	ug/L	93
56) Styrene	12.18	104	39168	2.699	ug/L	98
57) Isopropylbenzene	12.46	105	62884	2.720	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.72	83	12748	3.024	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	9509	3.021	ug/L	97
62) Bromoform	12.35	173	7327	2.338	ug/L #	96
63) 1,3-Dichlorobenzene	13.50	146	31499	2.412	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	31763	2.444	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	29392	2.503	ug/L	95
67) 1,3,5-Trichlorobenzene	14.63	180	23263	2.360	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	18438	2.257	ug/L	96
69) Naphthalene	15.37	128	30272	2.035	ug/L	99
70) 1,2,3-Trichlorobenzene	15.55	180	16305	2.241	ug/L	97

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

Data File : VW013615.D

Acq On : 18 Oct 2019 10:23

Operator : SY/VA

Sample : VSTD00522

Misc : 5.00G/10ML/MSVOA_W/SOIL

```
ALS Vial      : 1      Sample Multiplier: 1
```

Instrument :
MSVOA_W
ClientSampleId :
VSTD00504

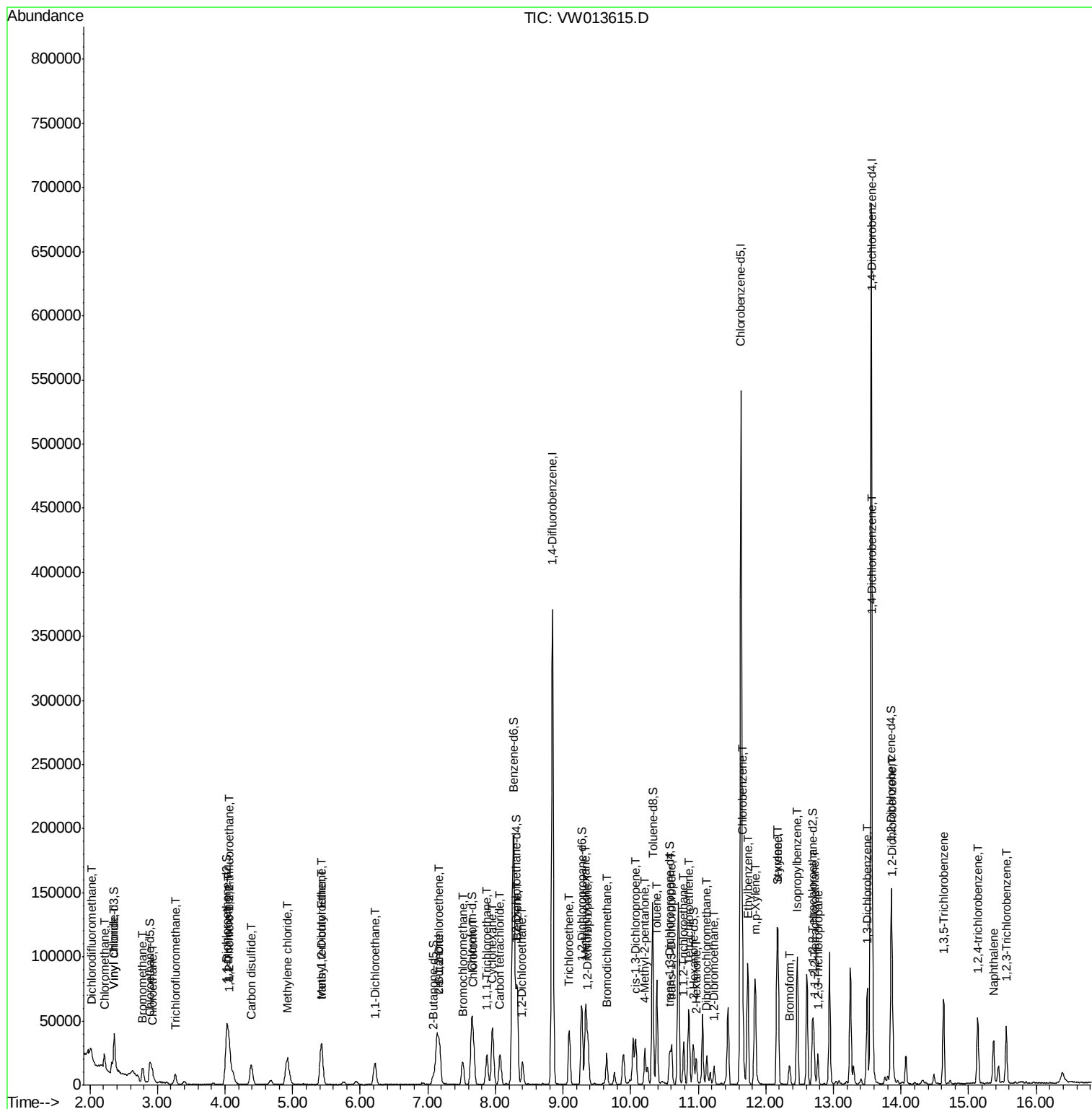
Quant Time: Oct 18 11:41:24 2019

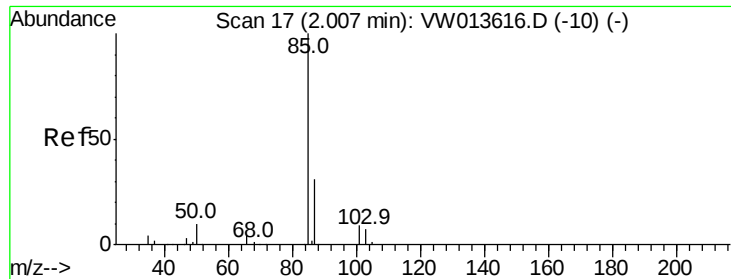
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101819S.M

Quant Title : VOC Analysis

QLast Update : Fri Oct 18 11:37:41 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.651 ug/L

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW013615.D

Acq: 18 Oct 2019 10:23

Instrument :

MSVOA_W

ClientSampleId :

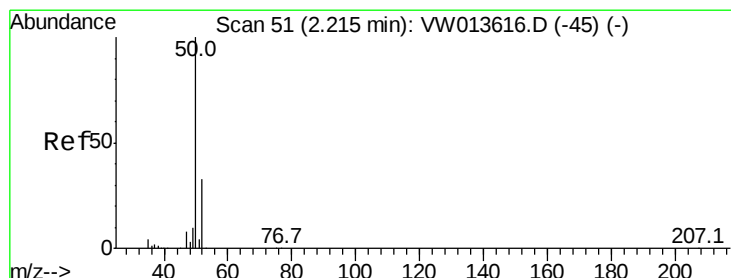
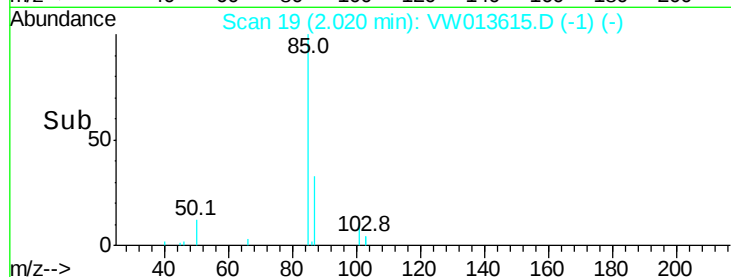
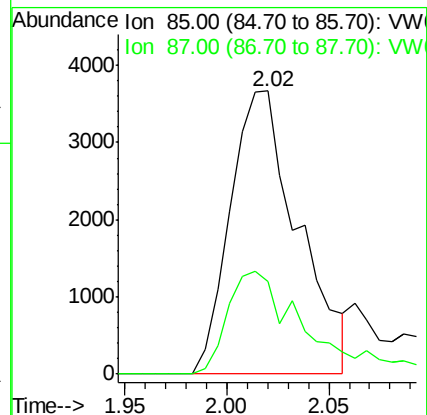
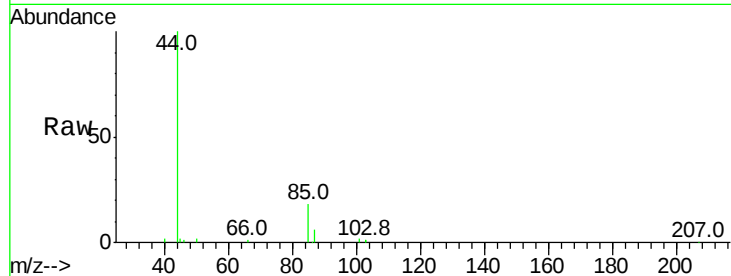
VSTD00504

Tgt Ion: 85 Resp: 8487

Ion Ratio Lower Upper

85 100

87 25.1 20.2 37.4



#3

Chloromethane

Concen: 3.031 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW013615.D

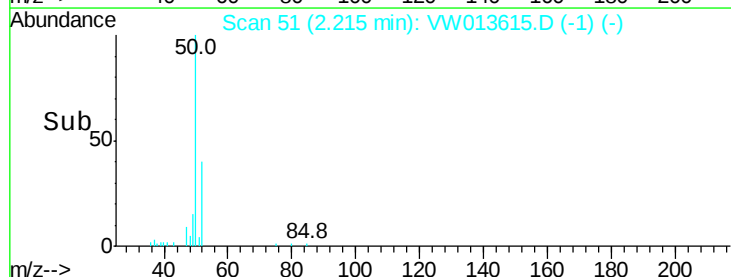
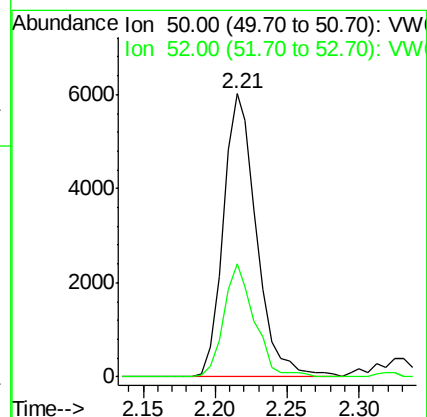
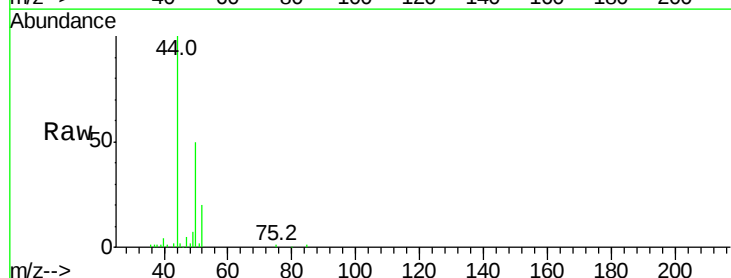
Acq: 18 Oct 2019 10:23

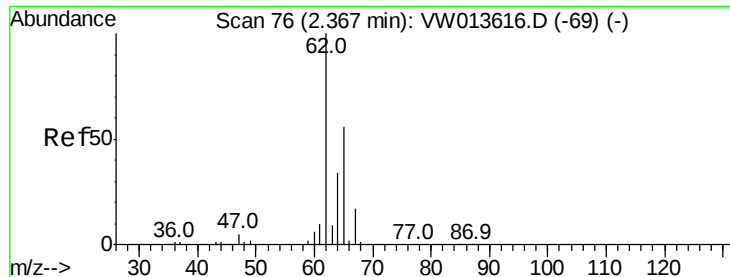
Tgt Ion: 50 Resp: 9717

Ion Ratio Lower Upper

50 100

52 40.0 23.3 43.3





#5

Vinyl chloride

Concen: 2.642 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW013615.D

Acq: 18 Oct 2019 10:23

Instrument :

MSVOA_W

ClientSampleId :

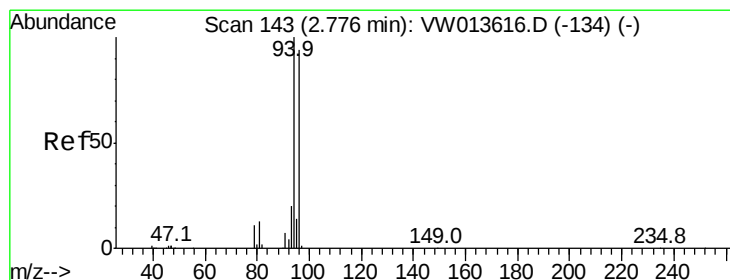
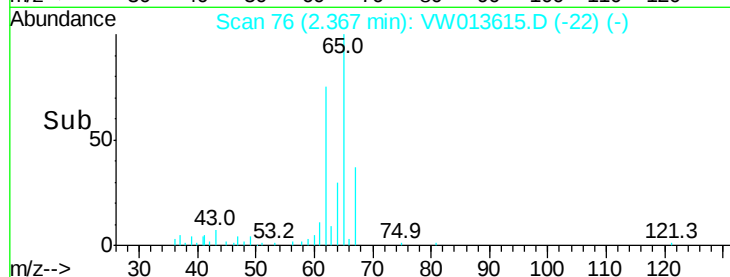
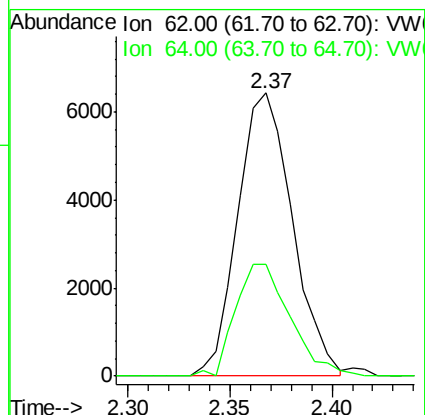
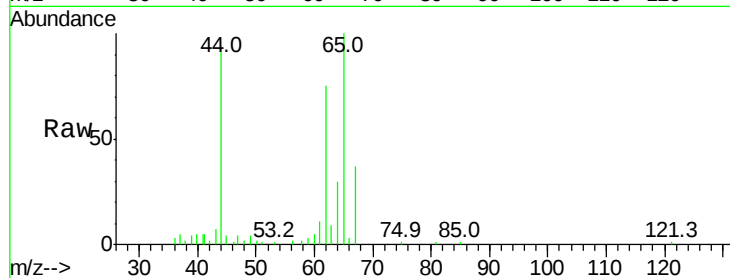
VSTD00504

Tgt Ion: 62 Resp: 11985

Ion Ratio Lower Upper

62 100

64 39.4 23.9 44.5



#6

Bromomethane

Concen: 3.253 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW013615.D

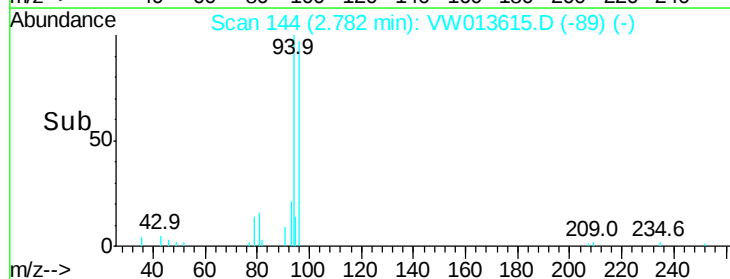
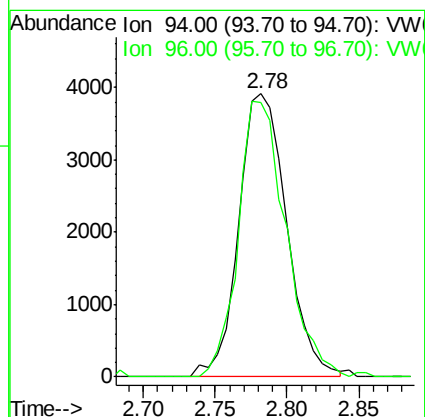
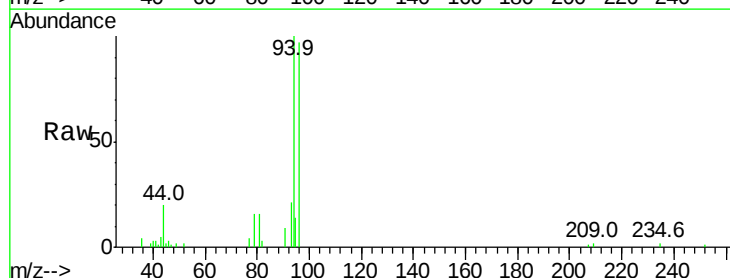
Acq: 18 Oct 2019 10:23

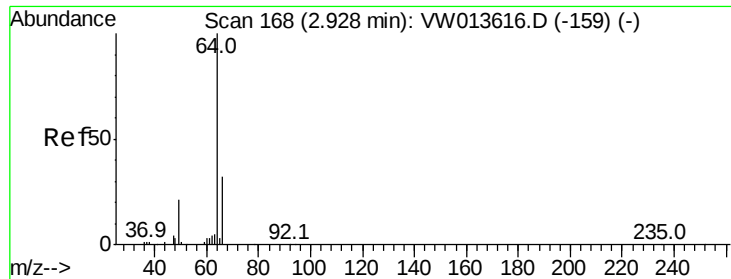
Tgt Ion: 94 Resp: 9038

Ion Ratio Lower Upper

94 100

96 96.4 9.3 176.9





#8

Chloroethane

Concen: 3.385 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW013615.D

Acq: 18 Oct 2019 10:23

Instrument :

MSVOA_W

ClientSampleId :

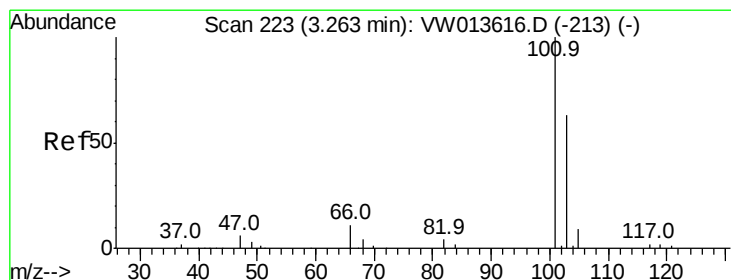
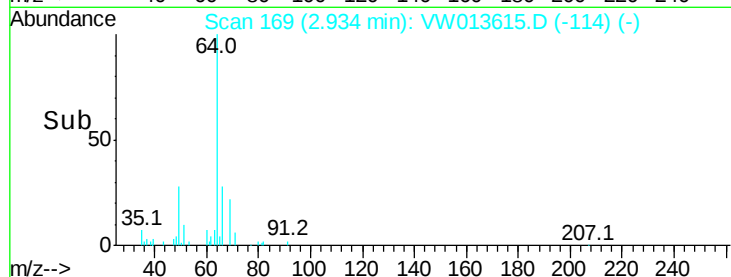
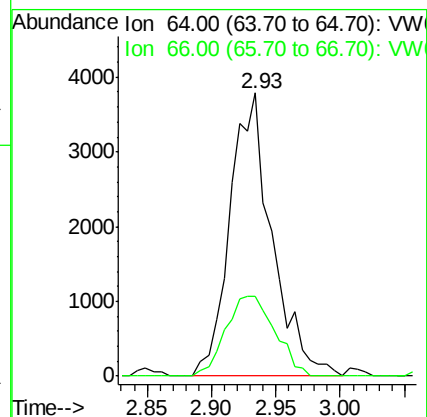
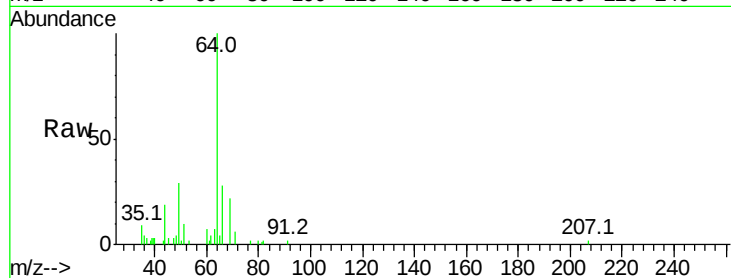
VSTD00504

Tgt Ion: 64 Resp: 8613

Ion Ratio Lower Upper

64 100

66 28.3 22.2 41.2



#9

Trichlorofluoromethane

Concen: 3.829 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW013615.D

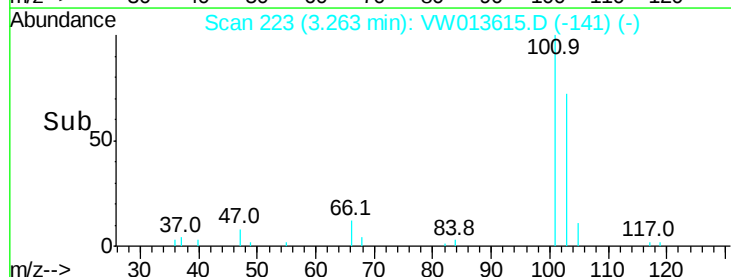
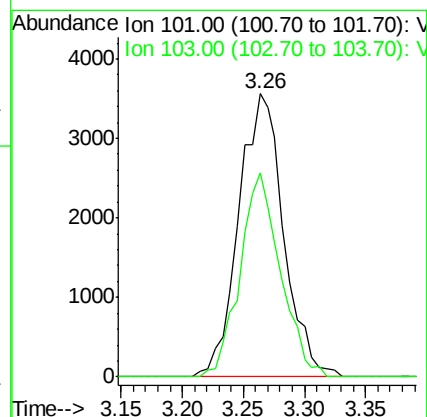
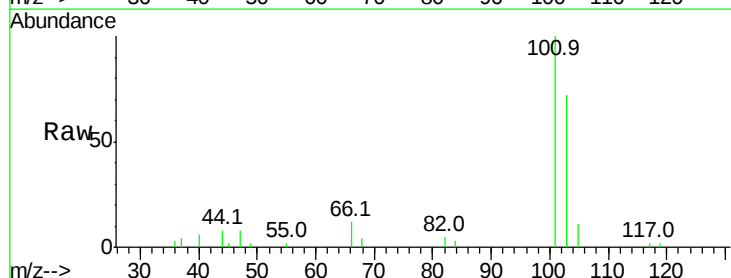
Acq: 18 Oct 2019 10:23

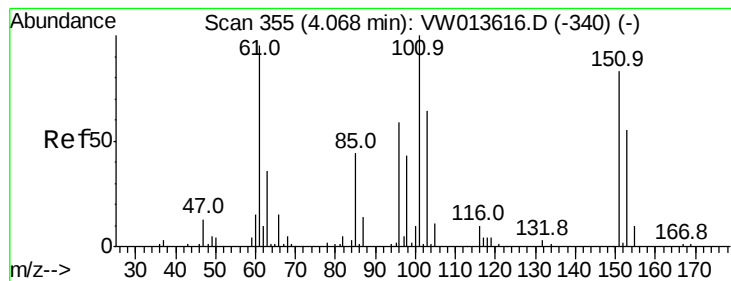
Tgt Ion: 101 Resp: 9056

Ion Ratio Lower Upper

101 100

103 64.3 46.5 86.5





#11

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

Concen: 1.075 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW013615.D

Acq: 18 Oct 2019 10:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD00504

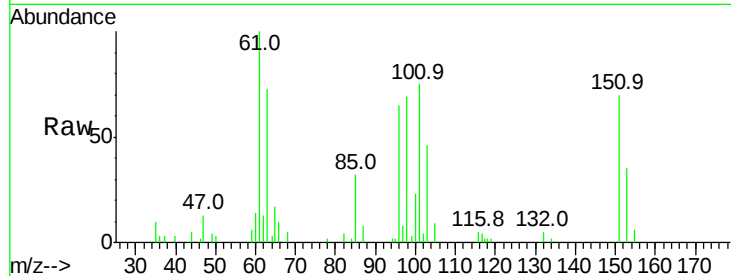
Tgt Ion:101 Resp: 4510

Ion Ratio Lower Upper

101 100

85 108.6 32.0 48.0#

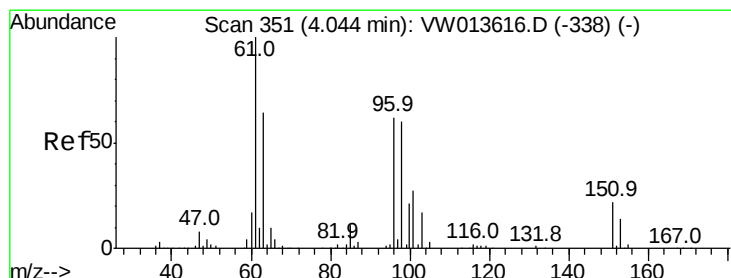
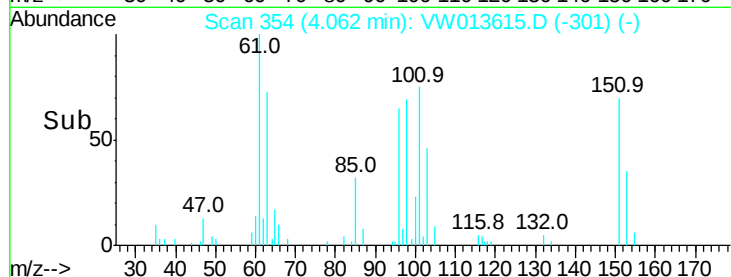
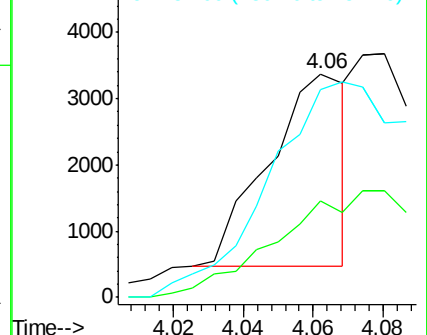
151 249.1 66.9 100.3#



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: 3.046 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.01 min

Lab File: VW013615.D

Acq: 18 Oct 2019 10:23

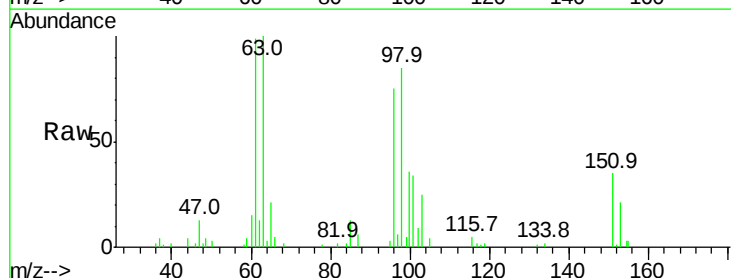
Tgt Ion: 96 Resp: 12807

Ion Ratio Lower Upper

96 100

61 132.6 112.7 209.3

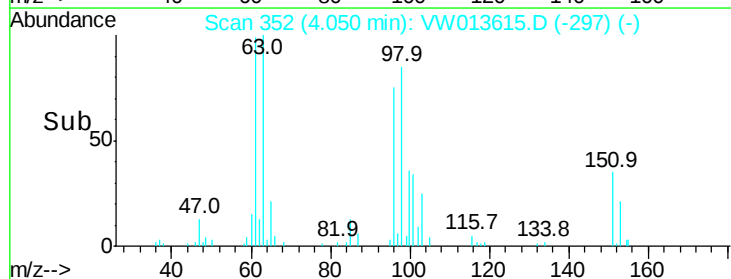
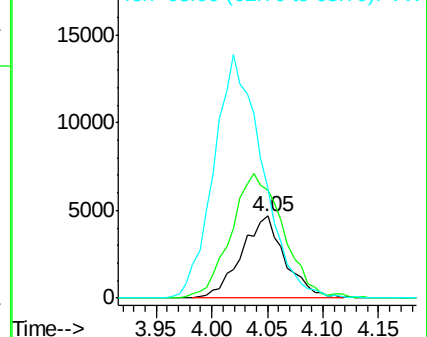
63 134.1 72.8 135.2

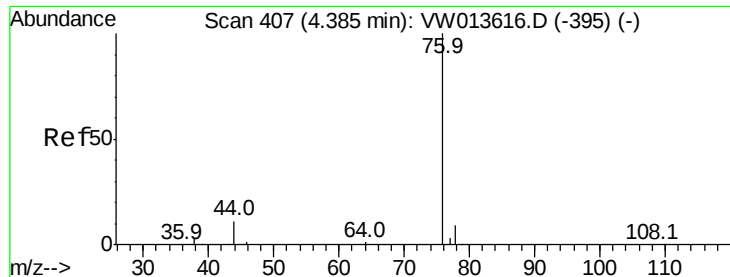


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#14

Carbon disulfide

Concen: 2.595 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW013615.D

Acq: 18 Oct 2019 10:23

Instrument :

MSVOA_W

ClientSampleId :

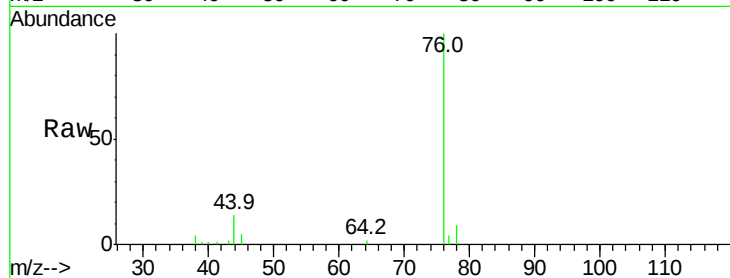
VSTD00504

Tgt Ion: 76 Resp: 33294

Ion Ratio Lower Upper

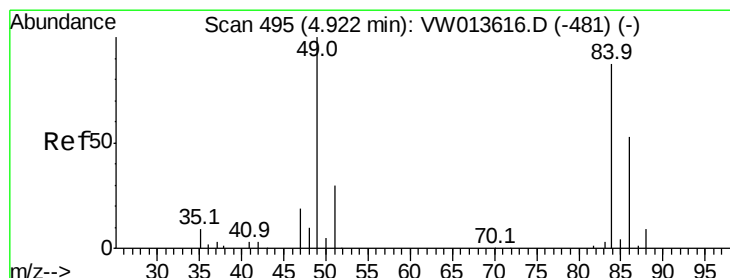
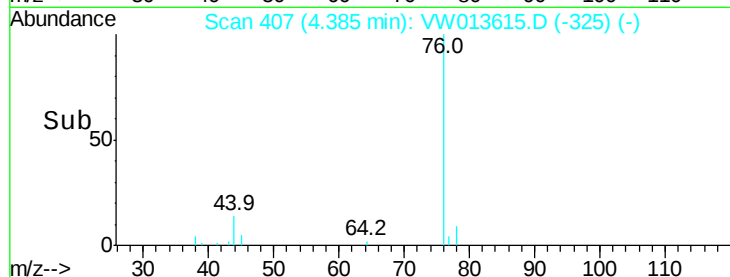
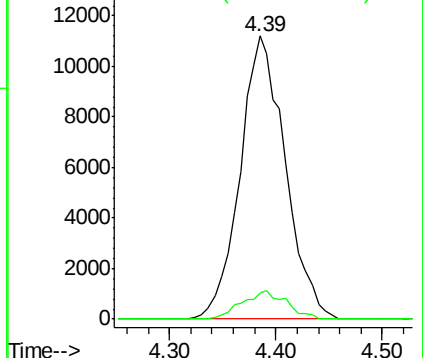
76 100

78 9.0 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW



#16

Methylene chloride

Concen: 3.796 ug/L

RT: 4.93 min Scan# 496

Delta R.T. 0.01 min

Lab File: VW013615.D

Acq: 18 Oct 2019 10:23

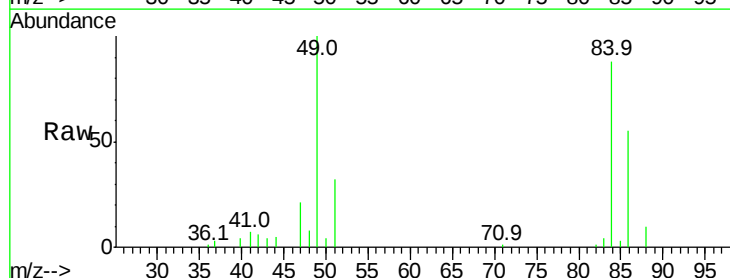
Tgt Ion: 84 Resp: 19253

Ion Ratio Lower Upper

84 100

49 114.1 80.2 148.9

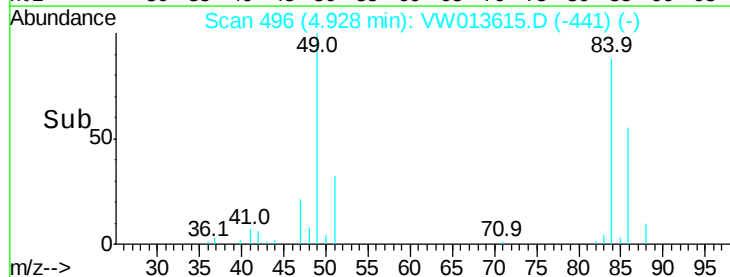
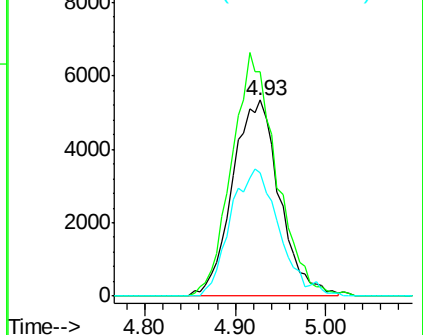
86 62.8 42.7 79.3

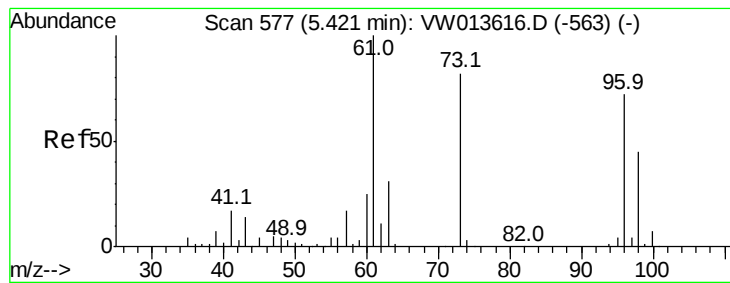


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#17

Methyl tert-butyl Ether

Concen: 2.544 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW013615.D

Acq: 18 Oct 2019 10:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD00504

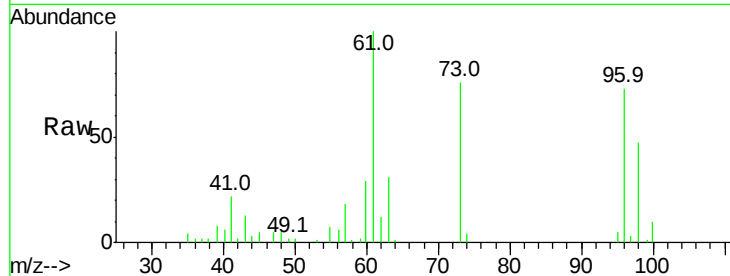
Tgt Ion: 73 Resp: 17185

Ion Ratio Lower Upper

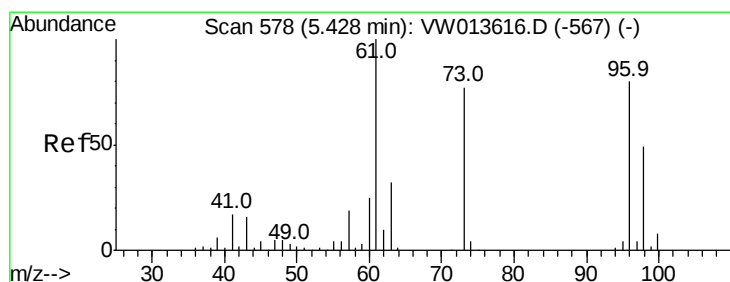
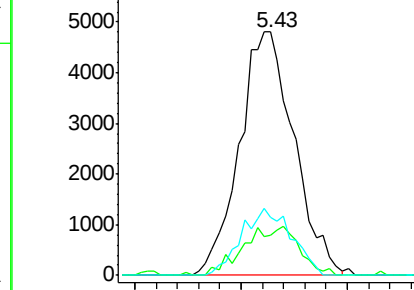
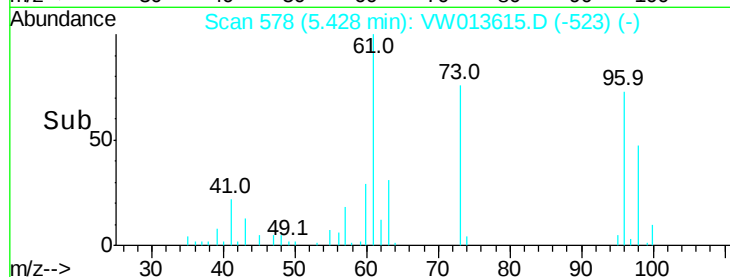
73 100

43 7.3 15.4 23.2#

57 3.1 17.7 26.5#



Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW



#18

trans-1,2-Dichloroethene

Concen: 3.083 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW013615.D

Acq: 18 Oct 2019 10:23

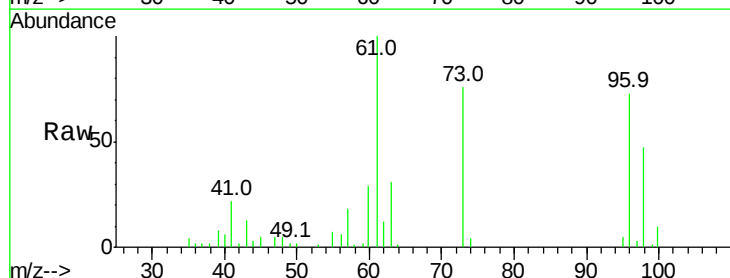
Tgt Ion: 96 Resp: 13832

Ion Ratio Lower Upper

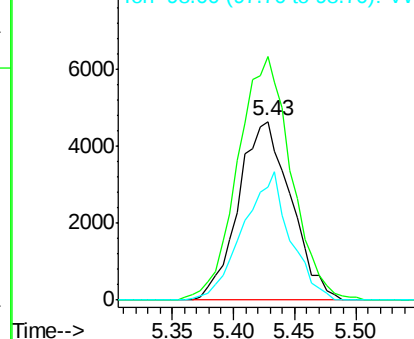
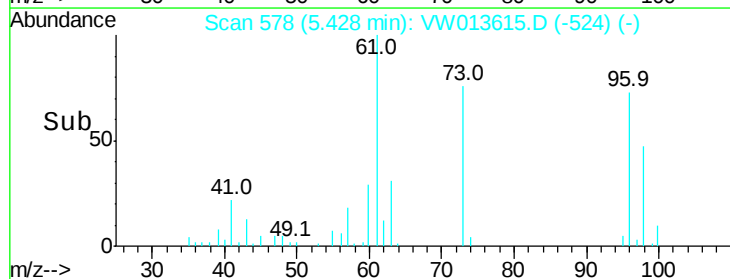
96 100

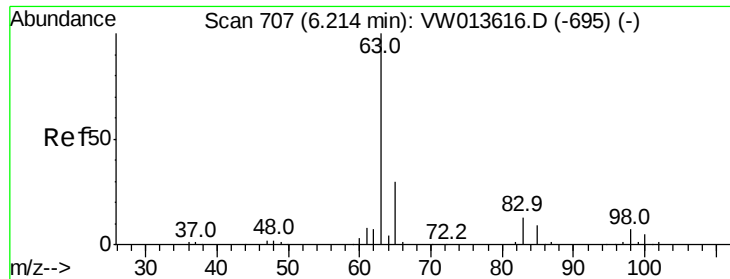
61 136.4 88.4 164.2

98 63.5 43.0 79.8



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

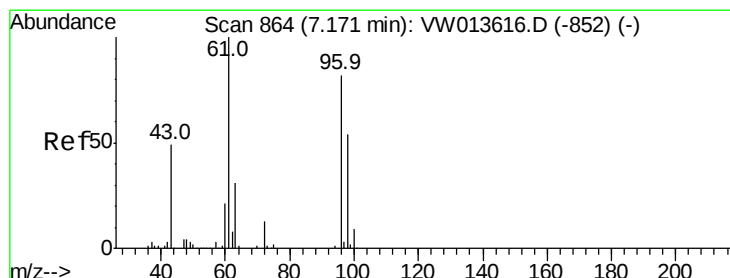
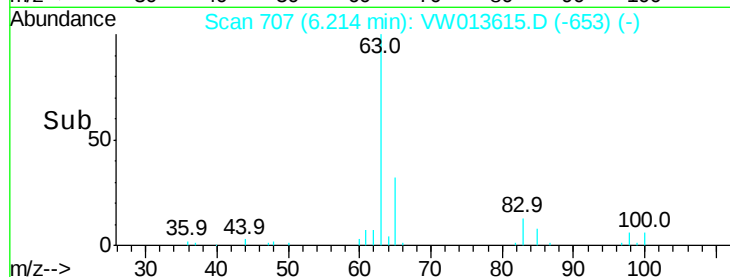
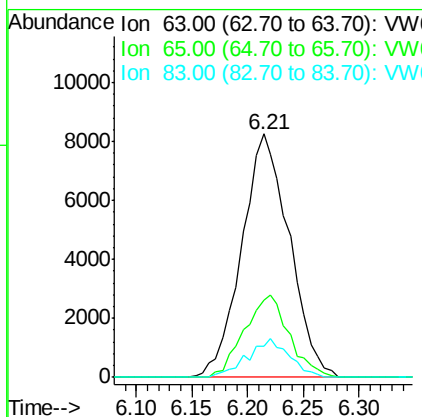
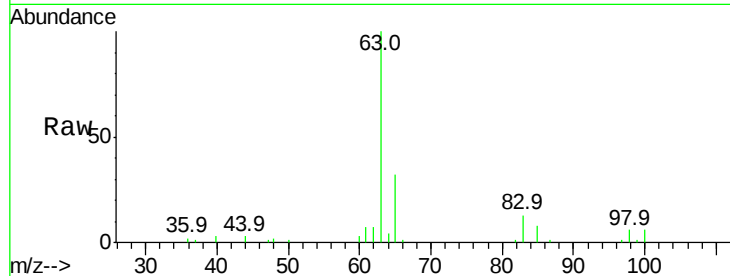




#19
 1,1-Dichloroethane
 Concen: 3.252 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VW013615.D
 Acq: 18 Oct 2019 10:23

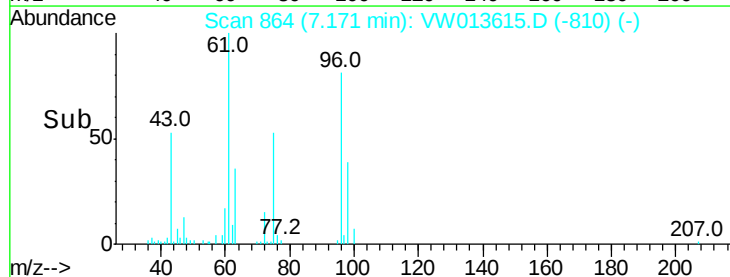
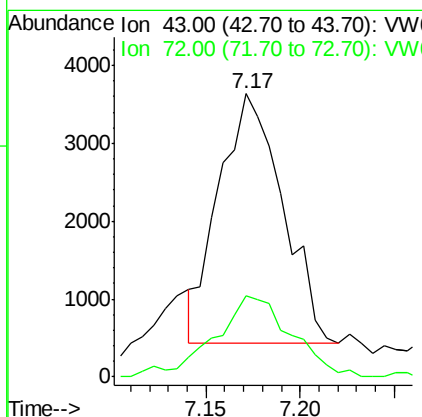
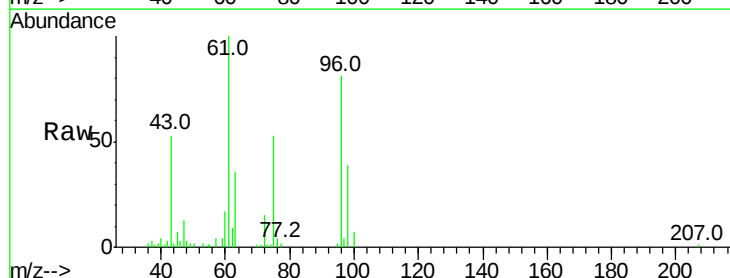
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD00504

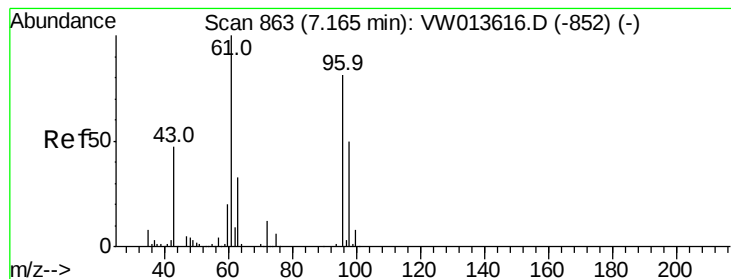
Tgt Ion: 63 Resp: 24493
 Ion Ratio Lower Upper
 63 100
 65 31.7 20.9 38.7
 83 12.8 9.2 17.2



#21
 2-Butanone
 Concen: 4.615 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW013615.D
 Acq: 18 Oct 2019 10:23

Tgt Ion: 43 Resp: 7492
 Ion Ratio Lower Upper
 43 100
 72 37.9 13.7 41.1



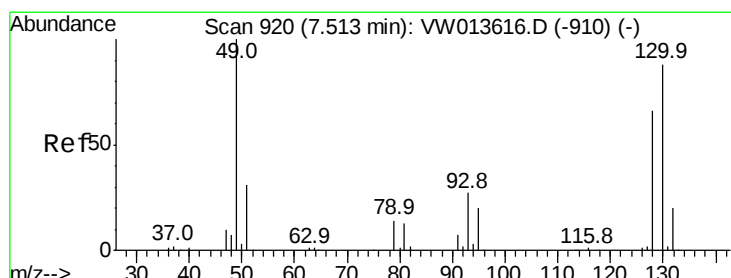
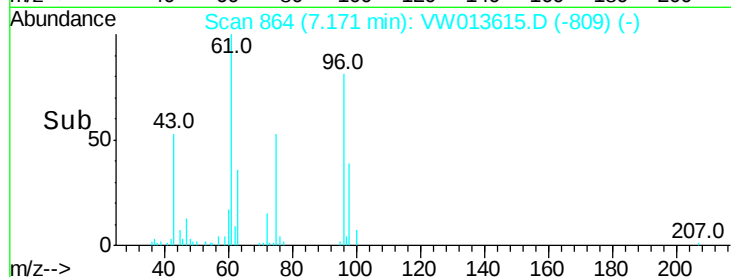
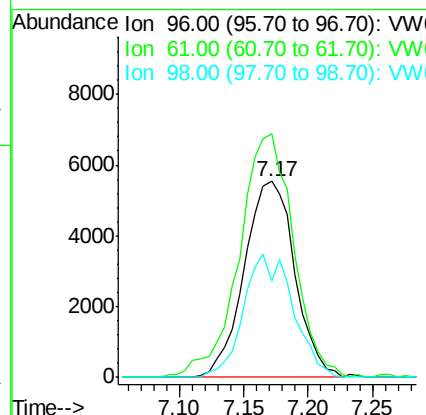
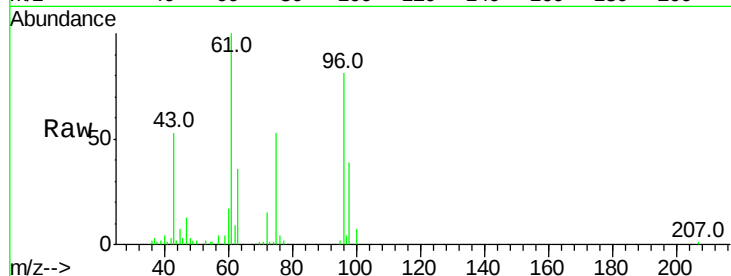


#22

cis-1,2-Dichloroethene
Concen: 3.145 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW013615.D
Acq: 18 Oct 2019 10:23

Instrument :
MSVOA_W
ClientSampleId :
VSTD00504

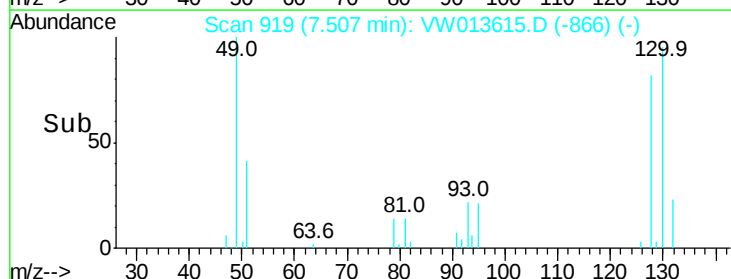
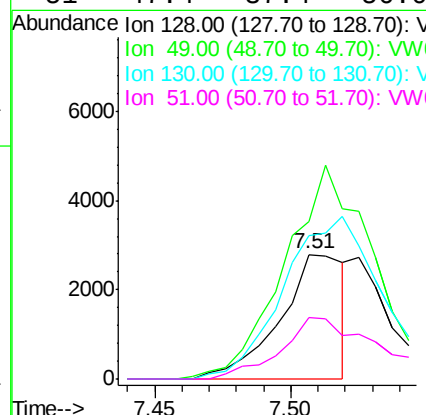
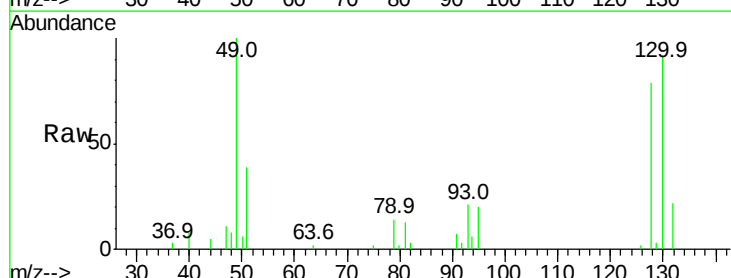
Tgt Ion: 96 Resp: 15090
Ion Ratio Lower Upper
96 100
61 124.2 86.2 160.0
98 49.0 43.0 79.8

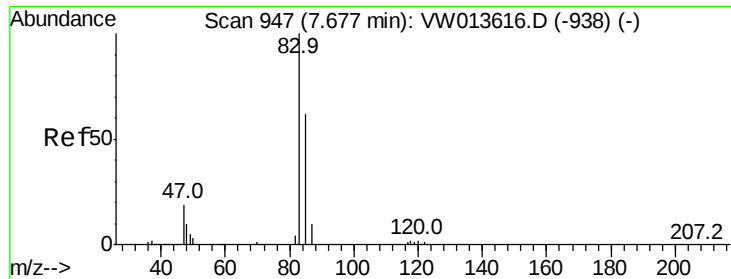


#23

Bromochloromethane
Concen: 2.155 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW013615.D
Acq: 18 Oct 2019 10:23

Tgt Ion: 128 Resp: 4630
Ion Ratio Lower Upper
128 100
49 121.2 106.3 197.3
130 110.4 93.2 173.2
51 47.4 37.4 56.0





#25

Chloroform

Concen: 3.356 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW013615.D

Acq: 18 Oct 2019 10:23

Instrument :

MSVOA_W

ClientSampleId :

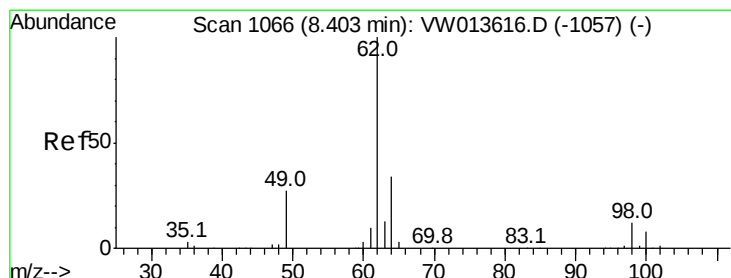
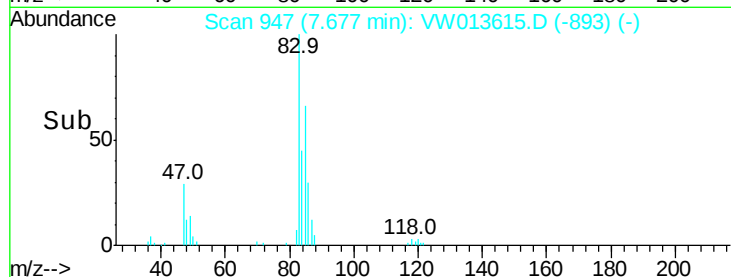
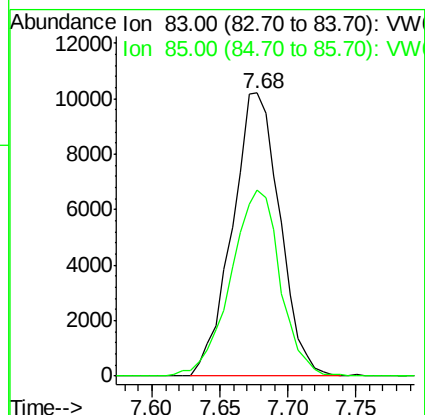
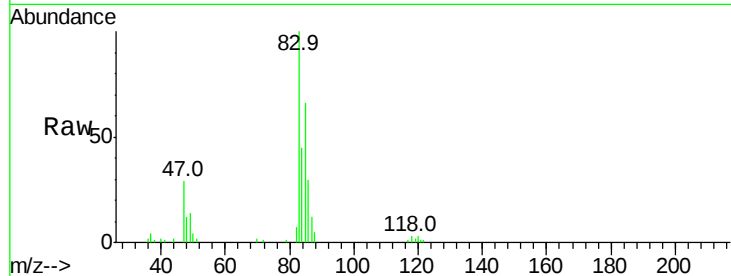
VSTD00504

Tgt Ion: 83 Resp: 24935

Ion Ratio Lower Upper

83 100

85 68.2 46.1 85.7



#27

1,2-Dichloroethane

Concen: 3.329 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.01 min

Lab File: VW013615.D

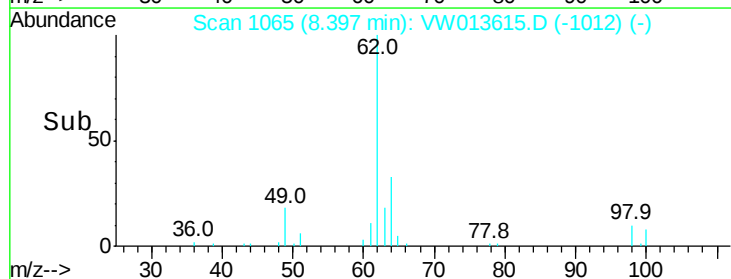
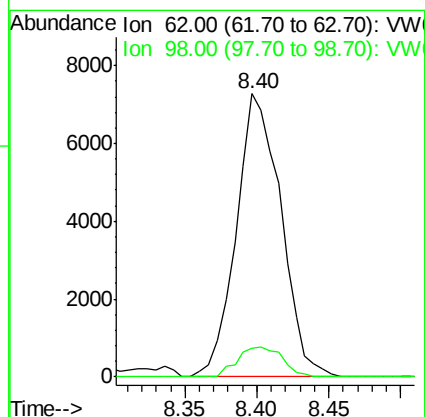
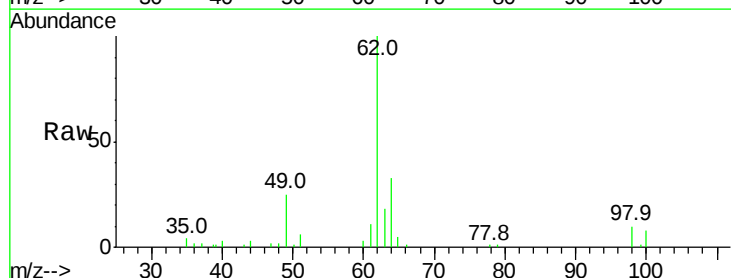
Acq: 18 Oct 2019 10:23

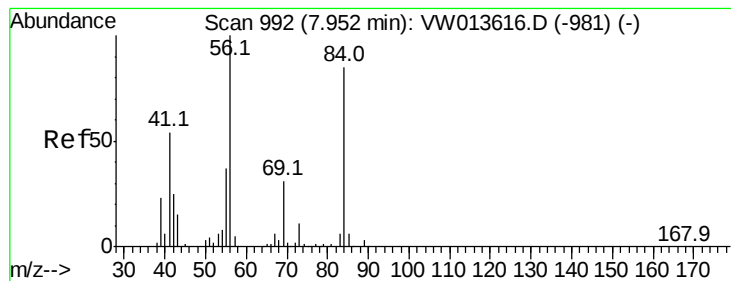
Tgt Ion: 62 Resp: 15643

Ion Ratio Lower Upper

62 100

98 10.1 9.6 14.4





#30

Cyclohexane

Concen: 2.586 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW013615.D

Acq: 18 Oct 2019 10:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD00504

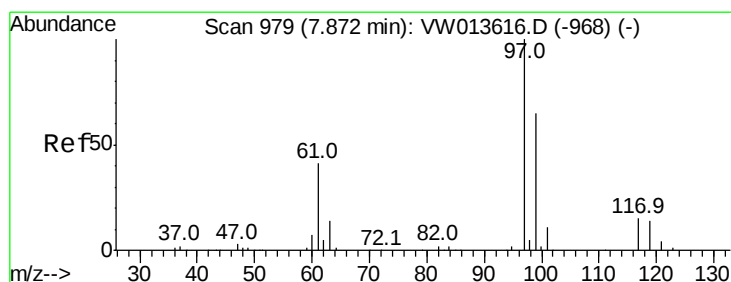
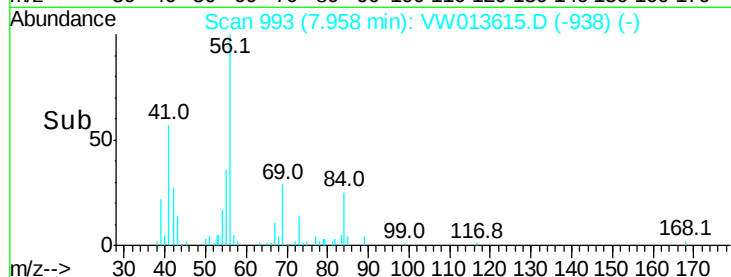
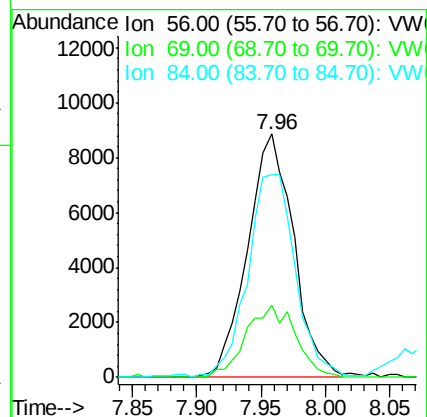
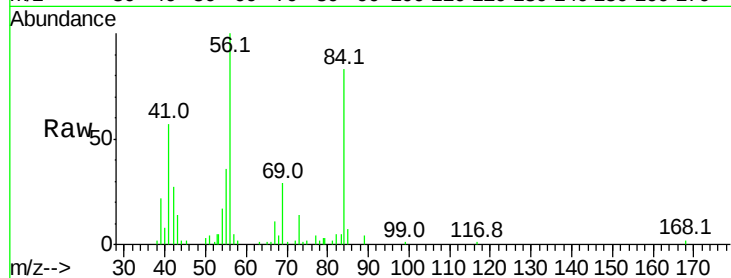
Tgt Ion: 56 Resp: 21955

Ion Ratio Lower Upper

56 100

69 31.9 24.6 37.0

84 86.4 71.1 106.7



#31

1,1,1-Trichloroethane

Concen: 2.884 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW013615.D

Acq: 18 Oct 2019 10:23

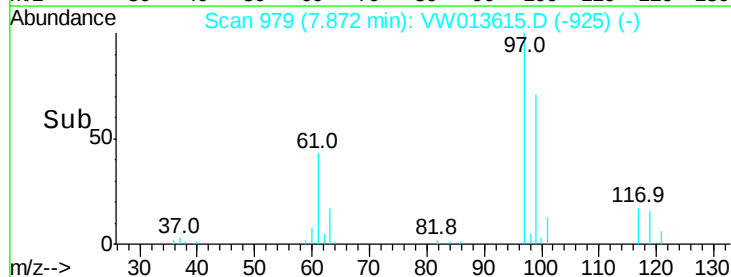
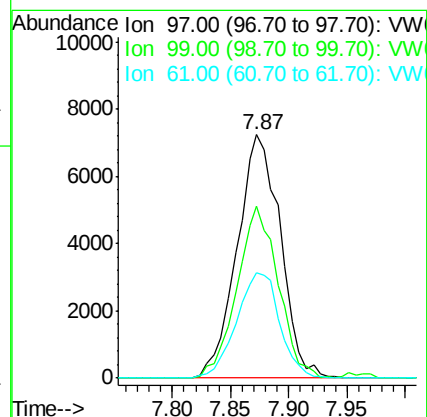
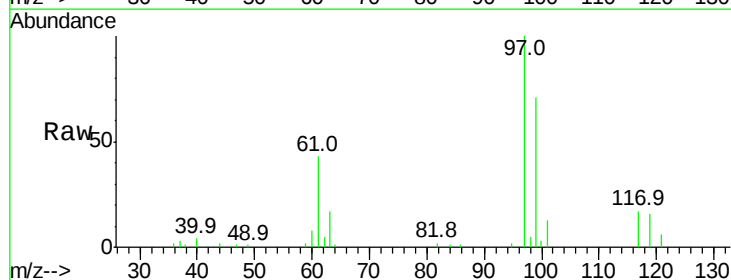
Tgt Ion: 97 Resp: 18757

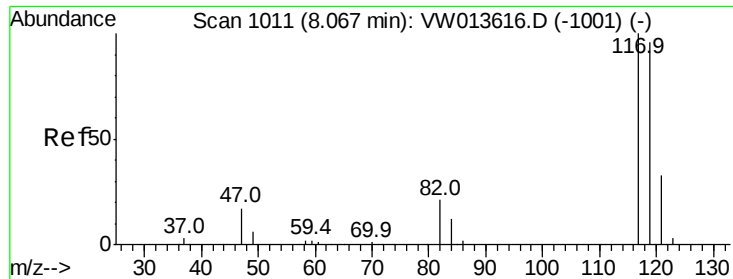
Ion Ratio Lower Upper

97 100

99 67.1 51.7 77.5

61 43.1 33.8 50.8





#32

Carbon tetrachloride

Concen: 2.860 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW013615.D

Acq: 18 Oct 2019 10:23

Instrument :

MSVOA_W

ClientSampleId :

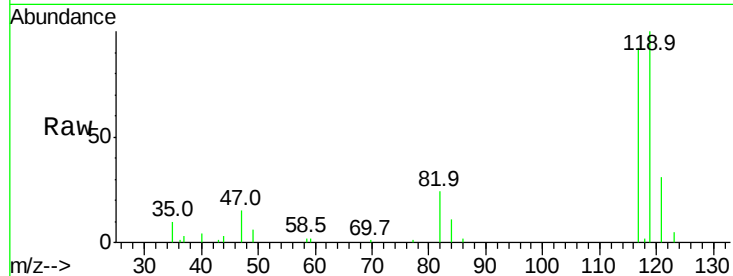
VSTD00504

Tgt Ion:117 Resp: 17842

Ion Ratio Lower Upper

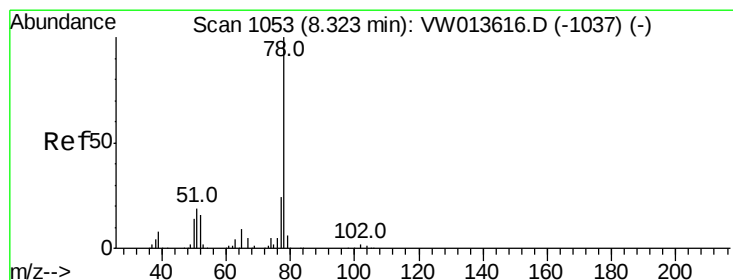
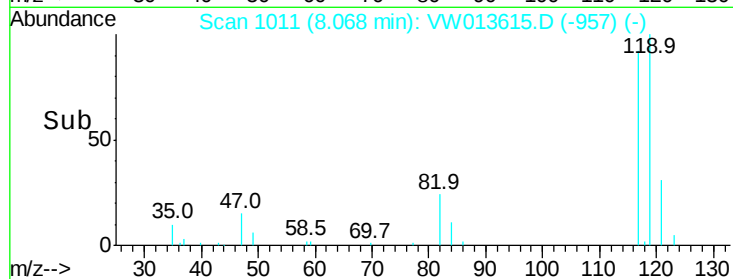
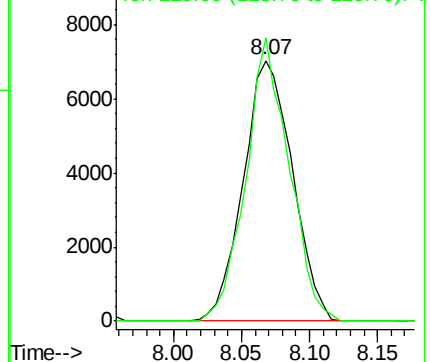
117 100

119 95.2 76.1 114.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 2.976 ug/L

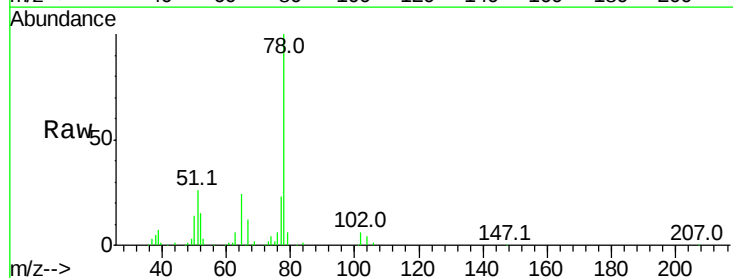
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

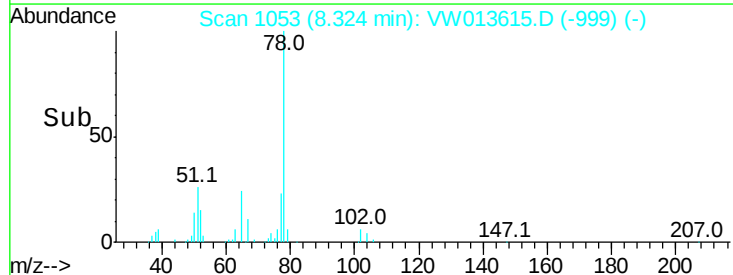
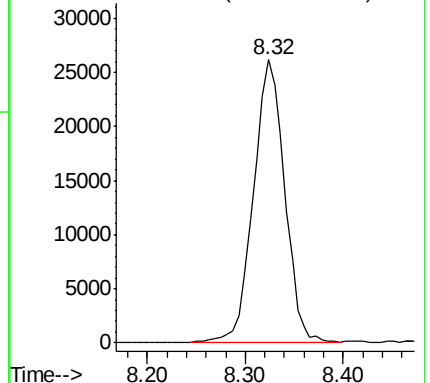
Lab File: VW013615.D

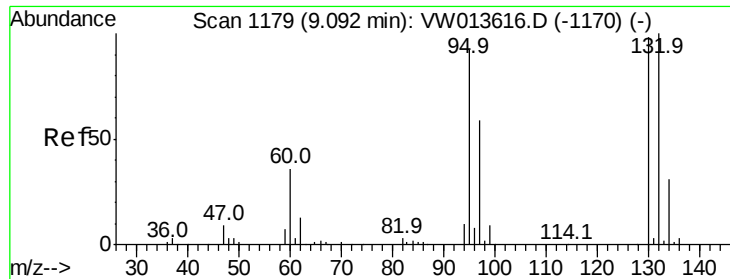
Acq: 18 Oct 2019 10:23

Tgt Ion: 78 Resp: 58061



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 2.941 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW013615.D

Acq: 18 Oct 2019 10:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD00504

Tgt Ion: 95 Resp: 14968

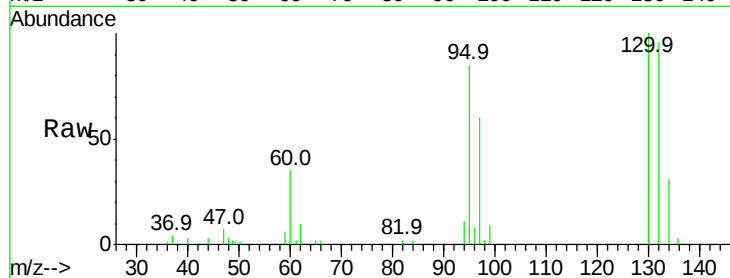
Ion Ratio Lower Upper

95 100

97 65.0 45.8 85.2

132 106.3 74.3 138.1

130 109.3 76.6 142.3

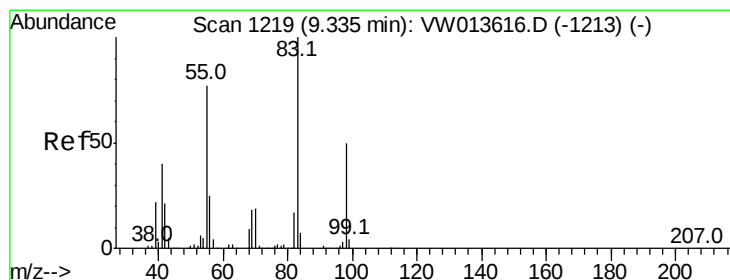
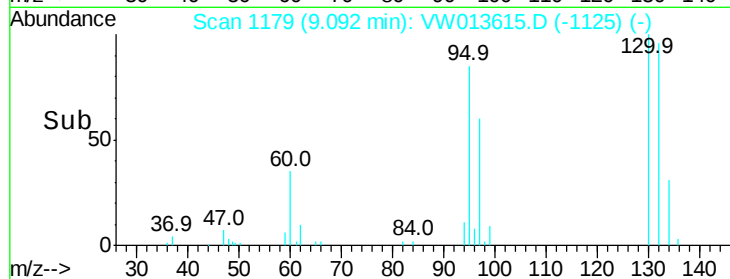
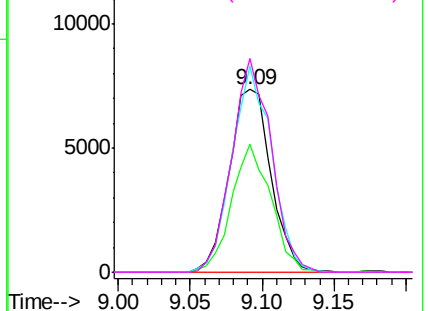


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 2.718 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW013615.D

Acq: 18 Oct 2019 10:23

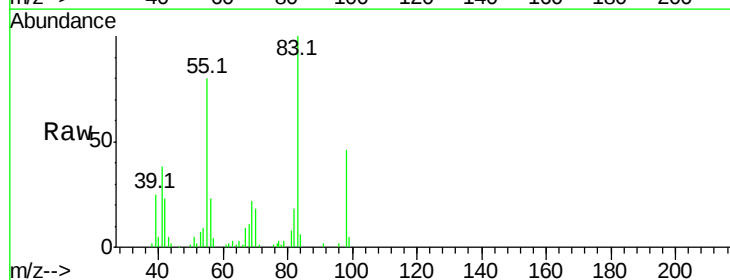
Tgt Ion: 83 Resp: 25157

Ion Ratio Lower Upper

83 100

55 80.8 60.2 90.4

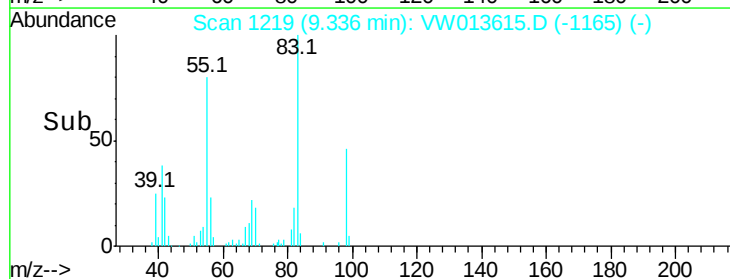
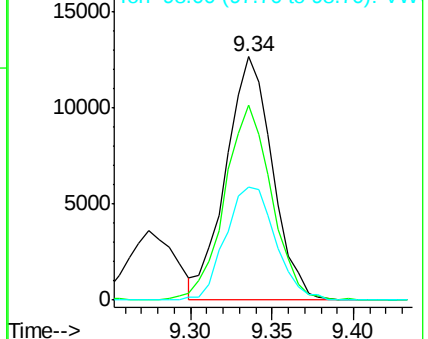
98 49.6 39.1 58.7

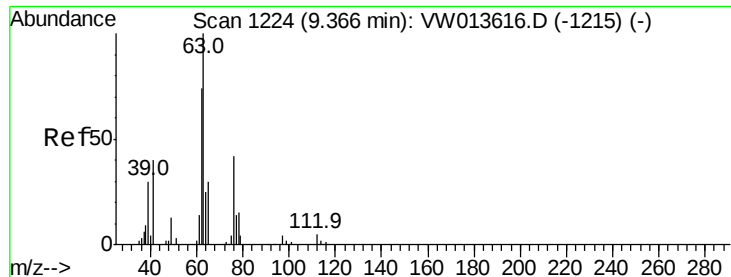


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

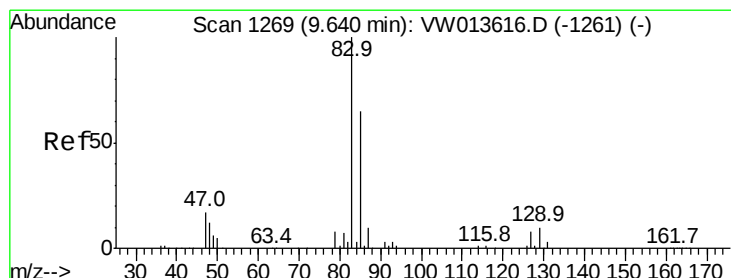
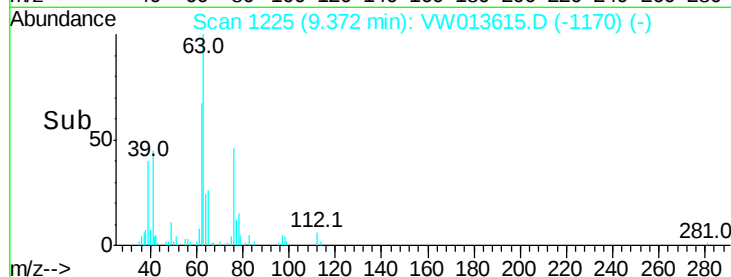
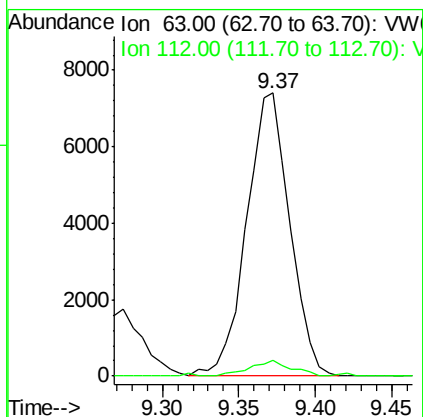
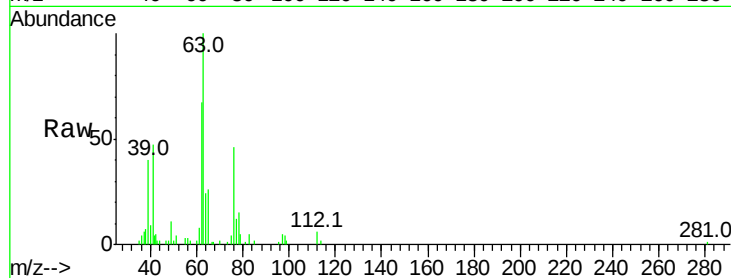




#40
 1,2-Dichloropropane
 Concen: 3.095 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW013615.D
 Acq: 18 Oct 2019 10:23

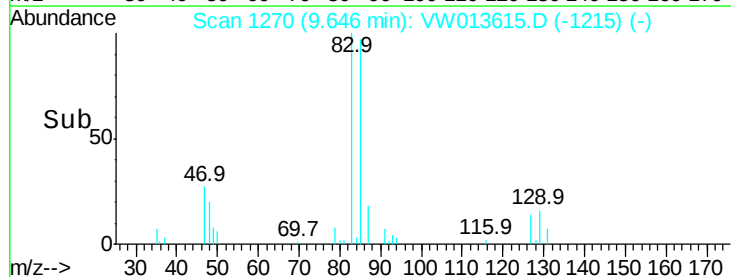
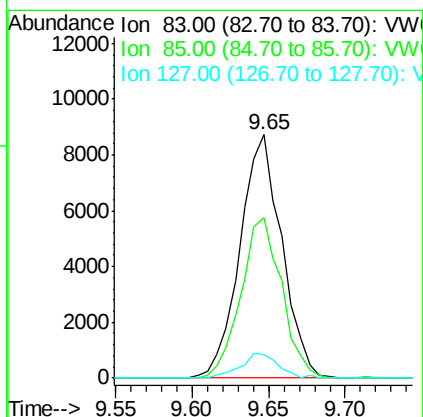
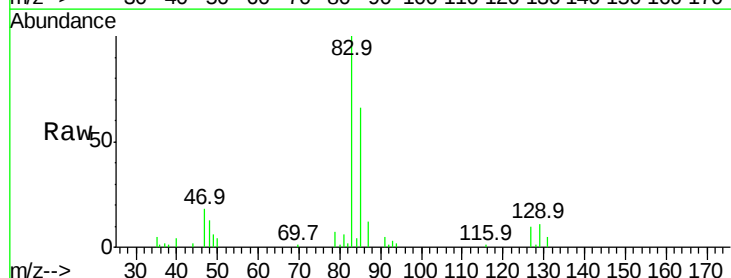
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00504

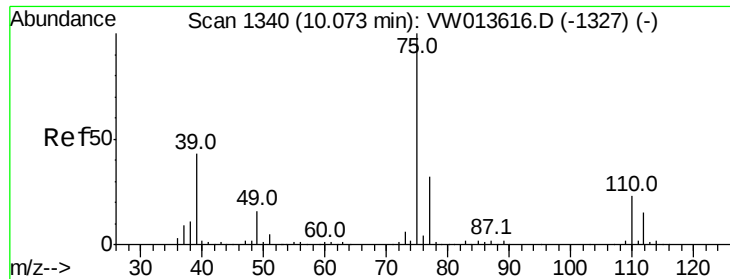
Tgt Ion: 63 Resp: 14546
 Ion Ratio Lower Upper
 63 100
 112 5.3 3.9 5.9



#41
 Bromodichloromethane
 Concen: 2.866 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VW013615.D
 Acq: 18 Oct 2019 10:23

Tgt Ion: 83 Resp: 16545
 Ion Ratio Lower Upper
 83 100
 85 65.9 45.8 85.0
 127 9.5 6.6 10.0





#42

cis-1,3-Dichloropropene

Concen: 2.649 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW013615.D

Acq: 18 Oct 2019 10:23

Instrument :

MSVOA_W

ClientSampleId :

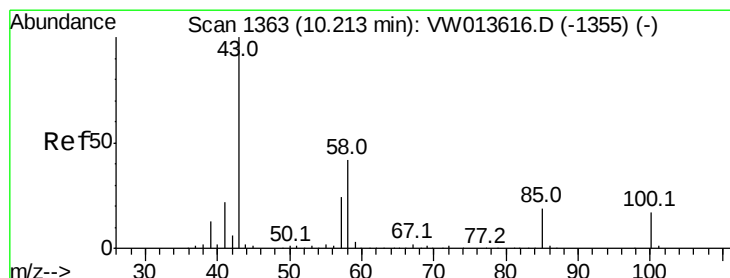
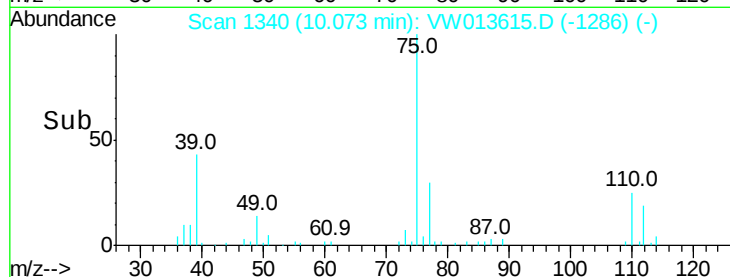
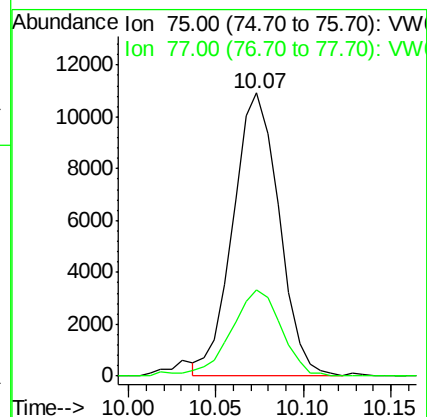
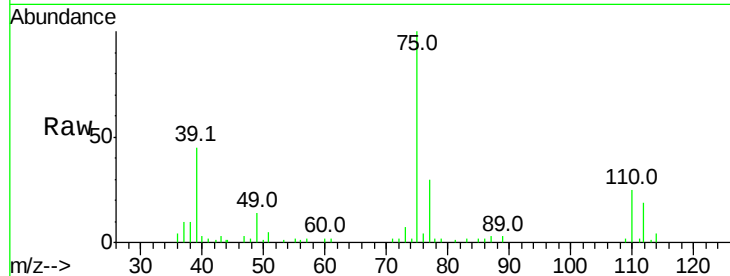
VSTD00504

Tgt Ion: 75 Resp: 19974

Ion Ratio Lower Upper

75 100

77 30.4 22.5 41.9



#43

4-Methyl-2-pentanone

Concen: 5.880 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW013615.D

Acq: 18 Oct 2019 10:23

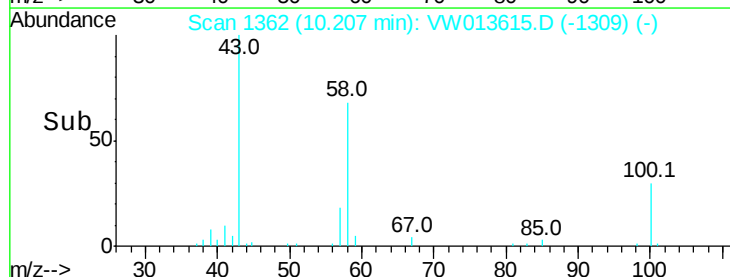
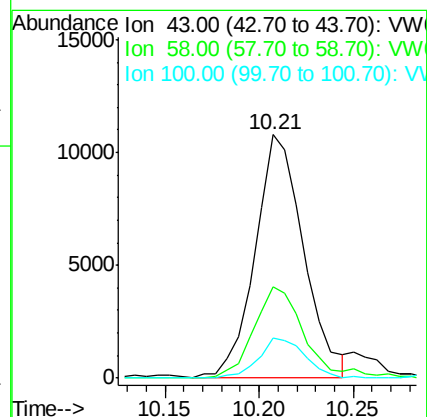
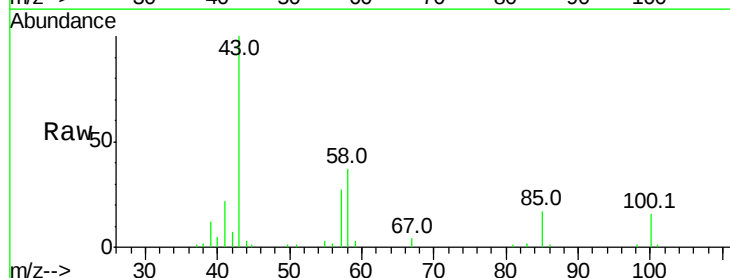
Tgt Ion: 43 Resp: 19283

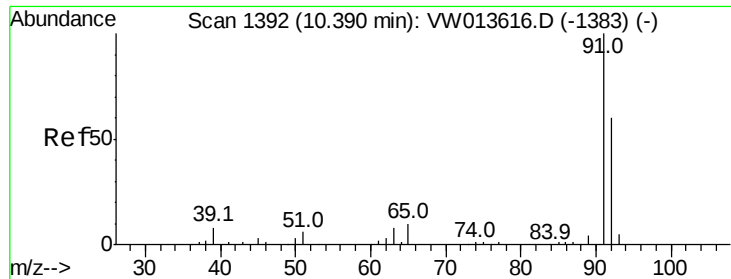
Ion Ratio Lower Upper

43 100

58 37.3 32.8 49.2

100 15.6 13.7 20.5





#44

Toluene

Concen: 2.897 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW013615.D

Acq: 18 Oct 2019 10:23

Instrument :

MSVOA_W

ClientSampleId :

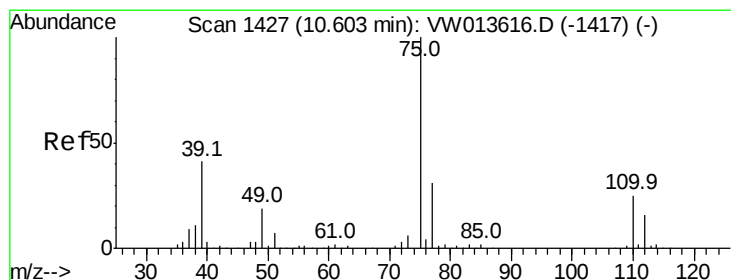
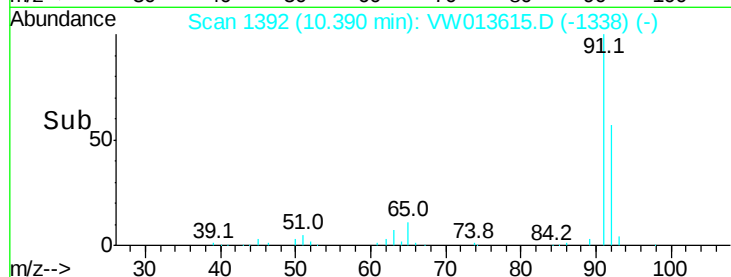
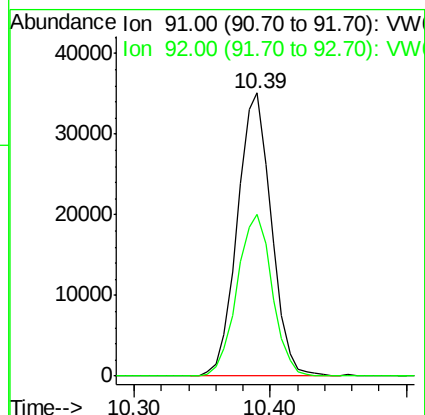
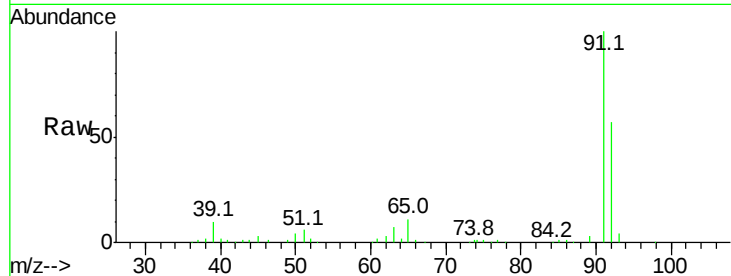
VSTD00504

Tgt Ion: 91 Resp: 61241

Ion Ratio Lower Upper

91 100

92 57.0 42.0 78.0



#45

trans-1,3-Dichloropropene

Concen: 2.791 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013615.D

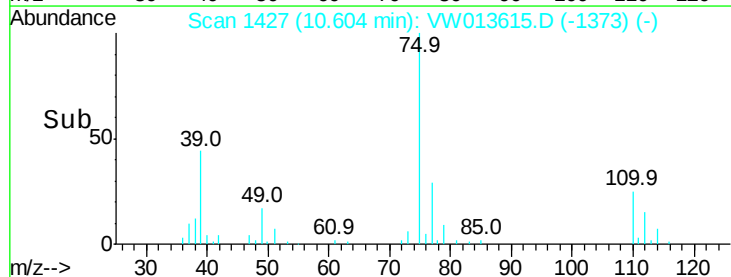
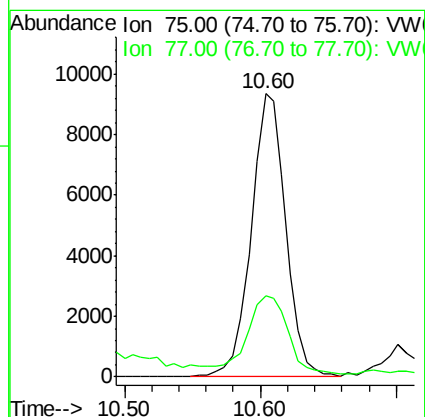
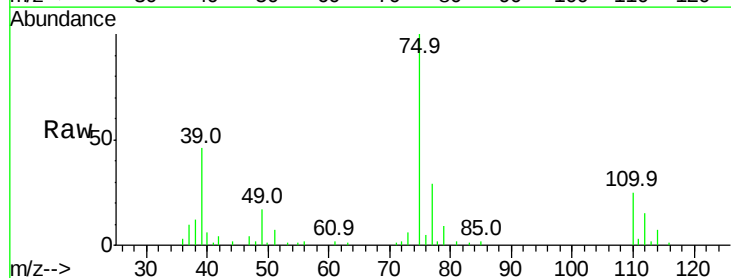
Acq: 18 Oct 2019 10:23

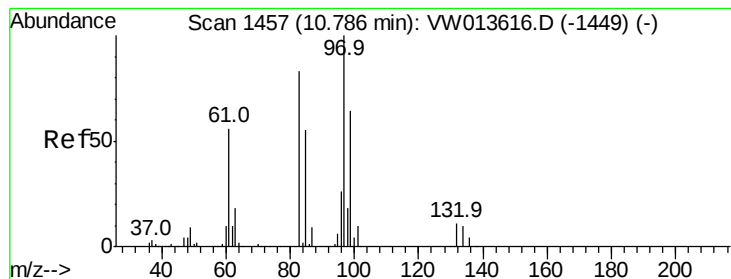
Tgt Ion: 75 Resp: 16617

Ion Ratio Lower Upper

75 100

77 28.8 22.0 41.0





#46

1,1,2-Trichloroethane

Concen: 2.848 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW013615.D

Acq: 18 Oct 2019 10:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD00504

Tgt Ion: 97 Resp: 10160

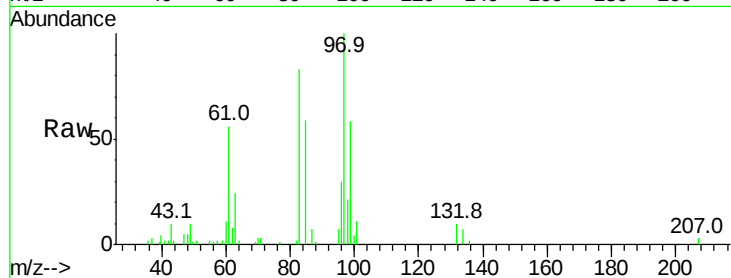
Ion Ratio Lower Upper

97 100

83 83.3 57.7 107.3

85 59.3 38.6 71.6

99 57.8 44.7 82.9

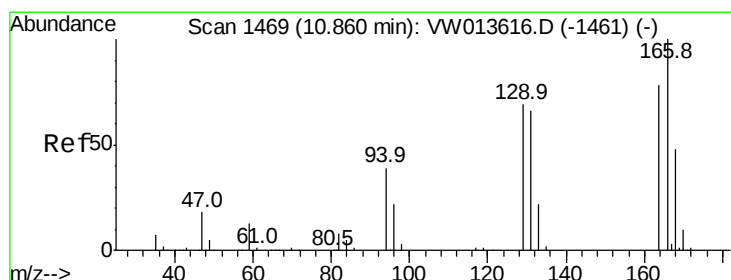
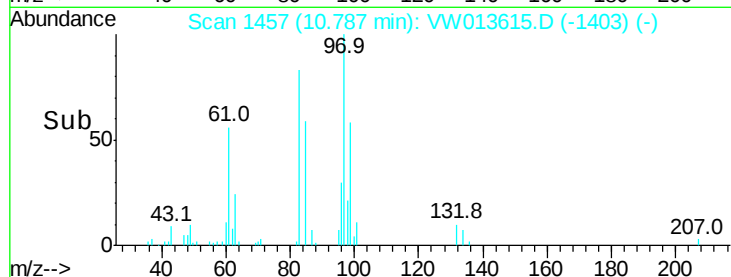
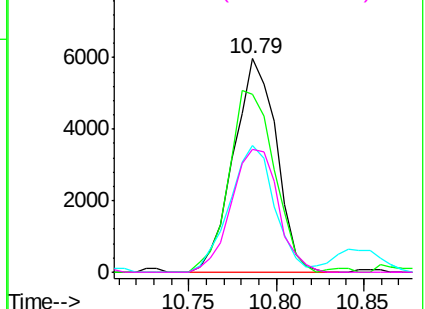


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 3.127 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW013615.D

Acq: 18 Oct 2019 10:23

Tgt Ion: 164 Resp: 14504

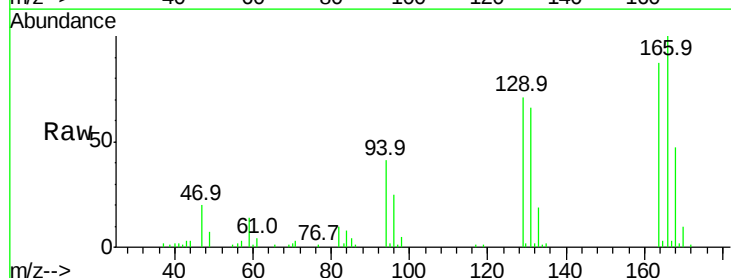
Ion Ratio Lower Upper

164 100

129 84.6 61.8 114.8

131 75.9 59.2 110.0

166 115.1 89.2 165.8

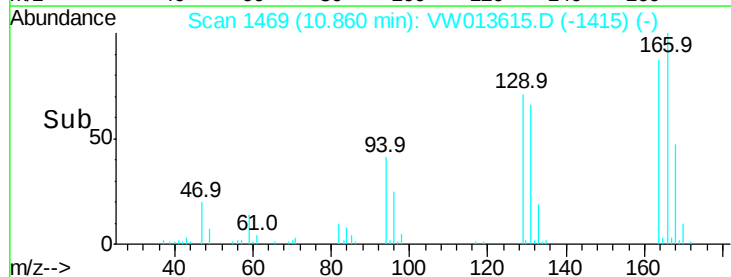
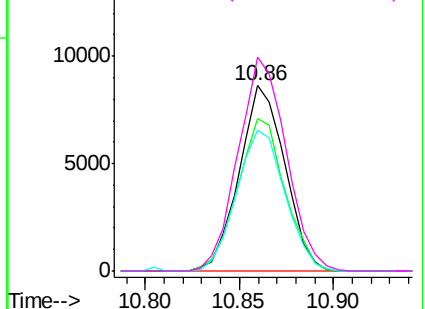


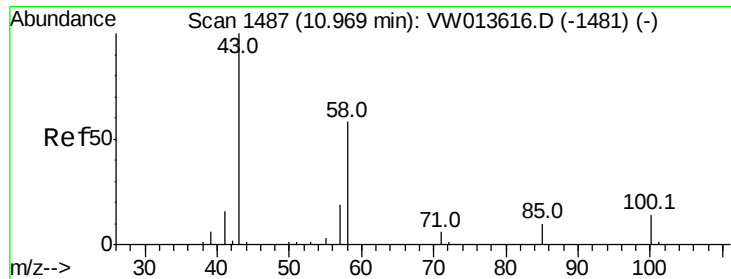
Abundance Ion 164.00 (163.70 to 164.70): V

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: 5.595 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW013615.D

Acq: 18 Oct 2019 10:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD00504

Tgt Ion: 43 Resp: 13335

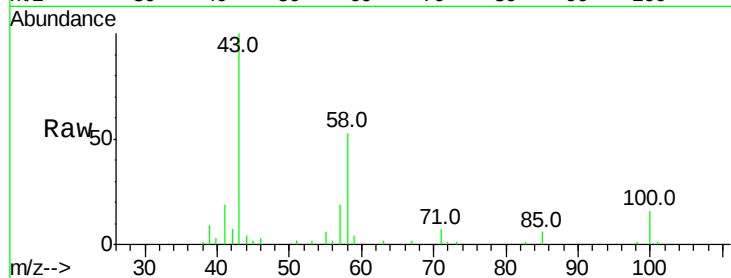
Ion Ratio Lower Upper

43 100

58 53.5 45.8 68.6

57 19.1 15.4 23.2

100 15.1 10.8 16.2



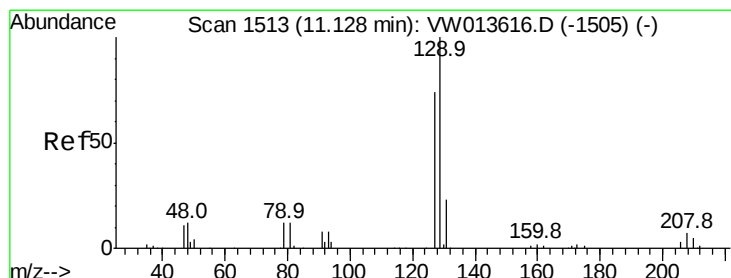
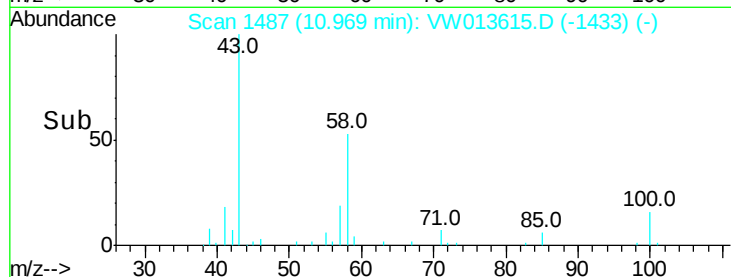
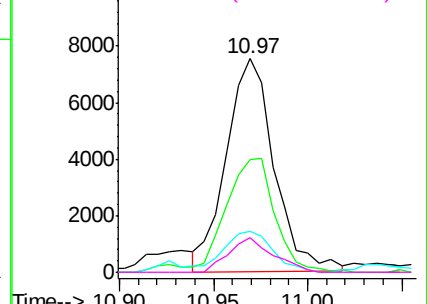
Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 2.901 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW013615.D

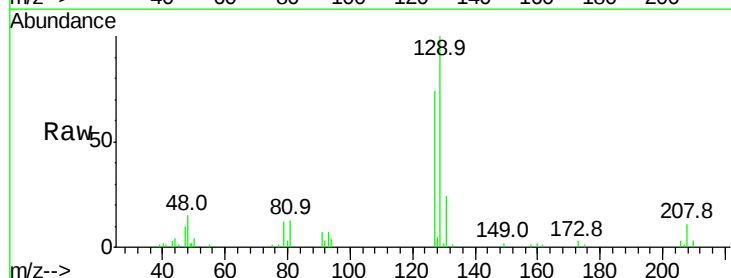
Acq: 18 Oct 2019 10:23

Tgt Ion: 129 Resp: 12184

Ion Ratio Lower Upper

129 100

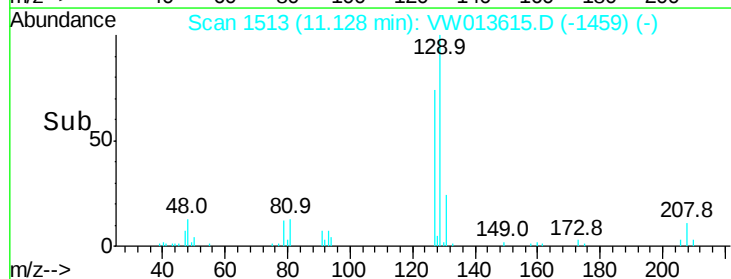
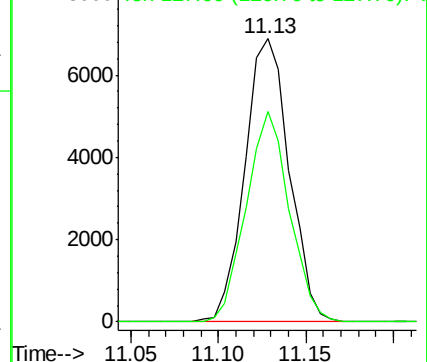
127 74.5 51.4 95.5

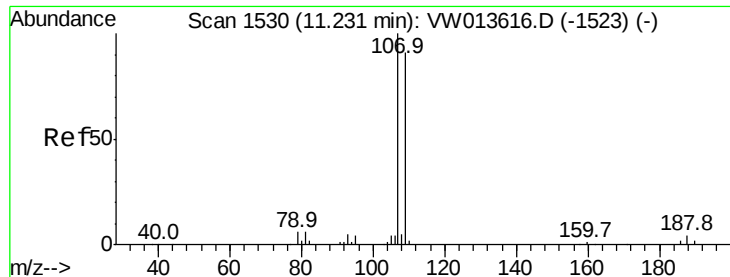


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

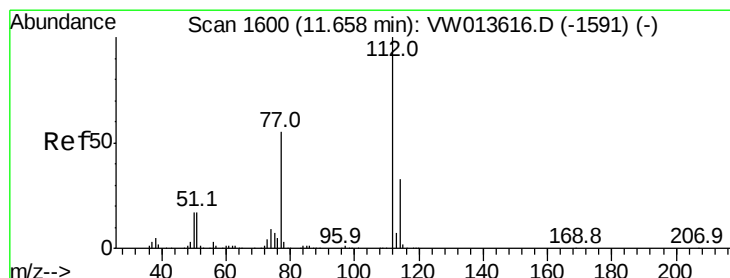
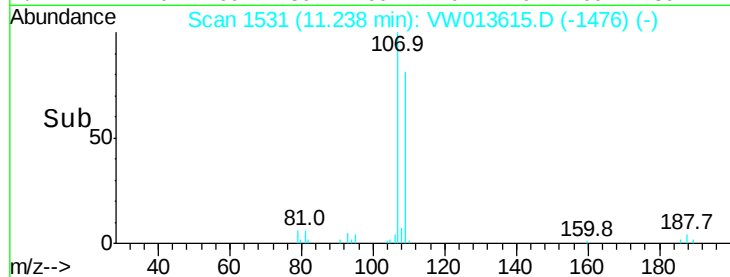
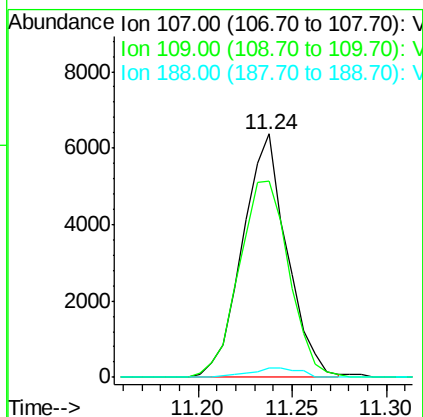
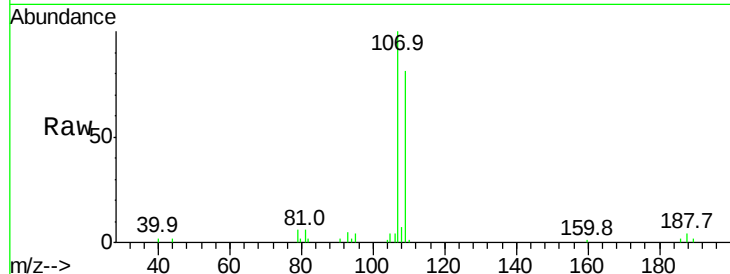




#51
1,2-Dibromoethane
Concen: 2.979 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.01 min
Lab File: VW013615.D
Acq: 18 Oct 2019 10:23

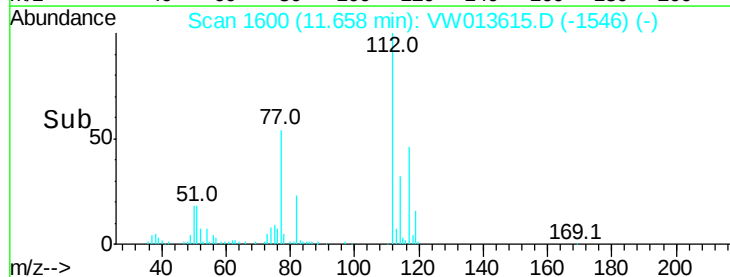
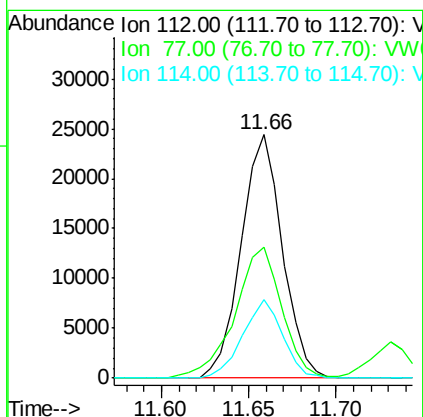
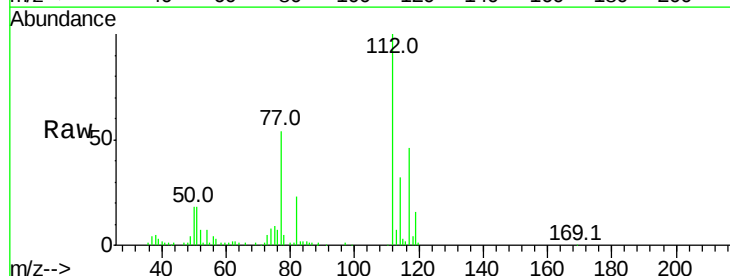
Instrument :
MSVOA_W
ClientSampleId :
VSTD00504

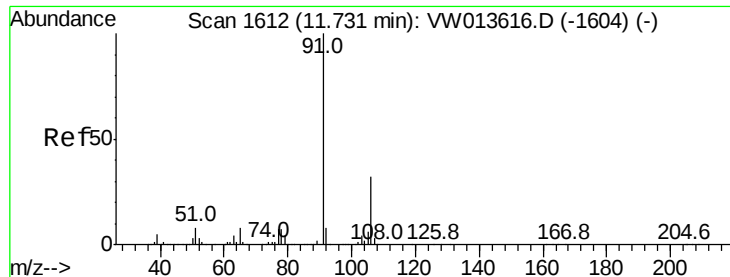
Tgt Ion:107 Resp: 10440
Ion Ratio Lower Upper
107 100
109 80.6 64.0 118.8
188 3.7 3.4 5.2



#52
Chlorobenzene
Concen: 2.989 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013615.D
Acq: 18 Oct 2019 10:23

Tgt Ion:112 Resp: 40107
Ion Ratio Lower Upper
112 100
77 53.6 44.1 66.1
114 32.0 23.4 43.4





#53

Ethylbenzene

Concen: 2.879 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW013615.D

Acq: 18 Oct 2019 10:23

Instrument :

MSVOA_W

ClientSampleId :

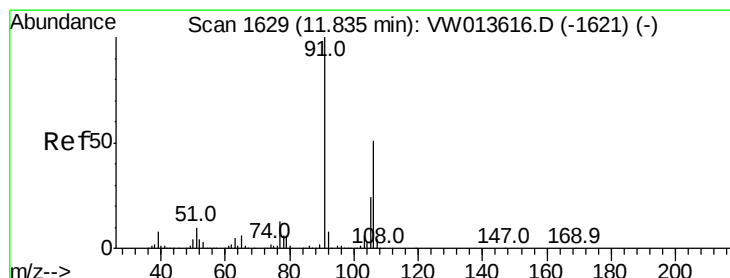
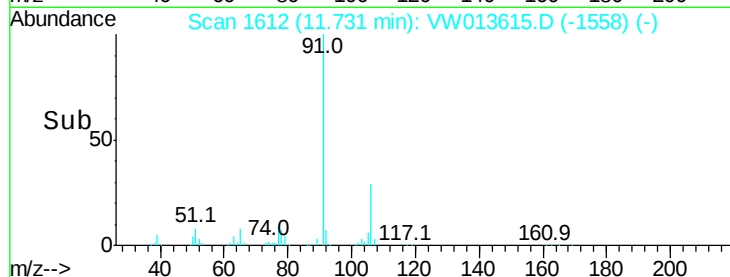
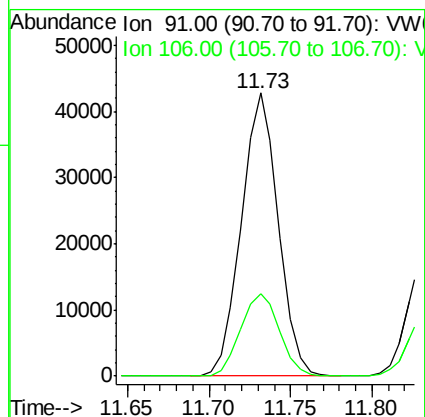
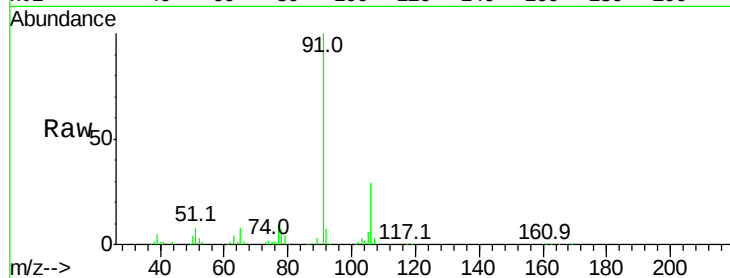
VSTD00504

Tgt Ion: 91 Resp: 67383

Ion Ratio Lower Upper

91 100

106 29.3 22.3 41.3



#54

m,p-Xylene

Concen: 2.808 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VW013615.D

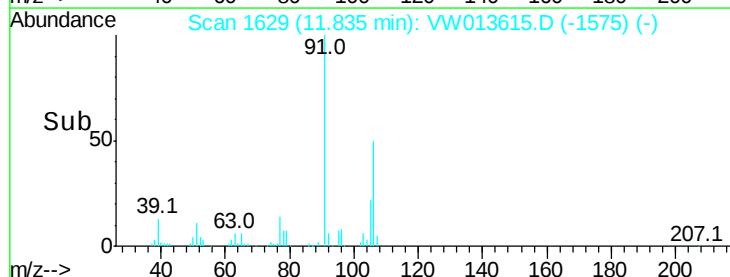
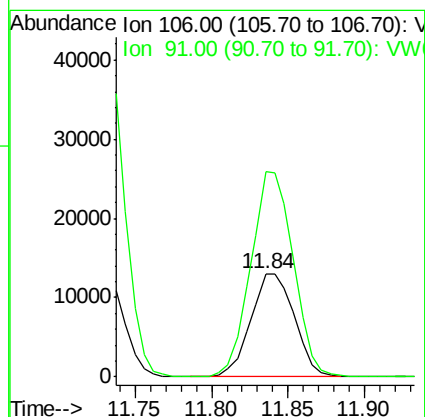
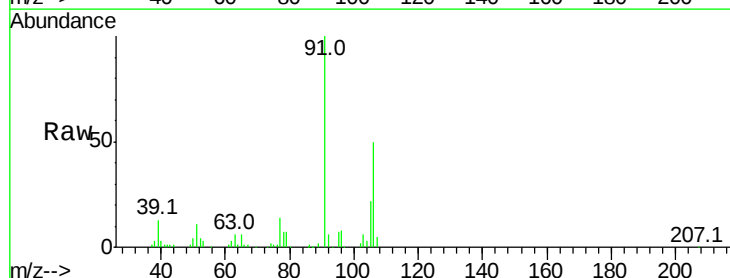
Acq: 18 Oct 2019 10:23

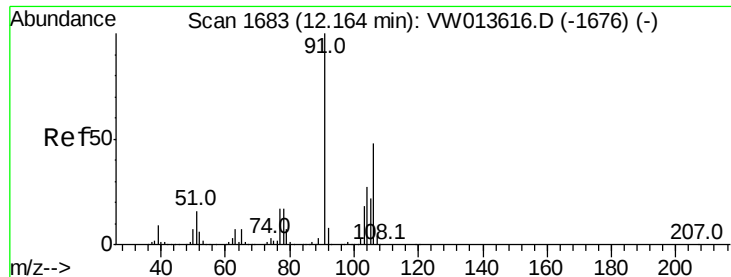
Tgt Ion: 106 Resp: 25637

Ion Ratio Lower Upper

106 100

91 198.4 137.7 255.7

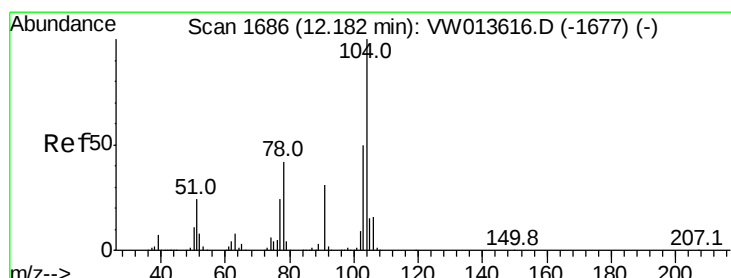
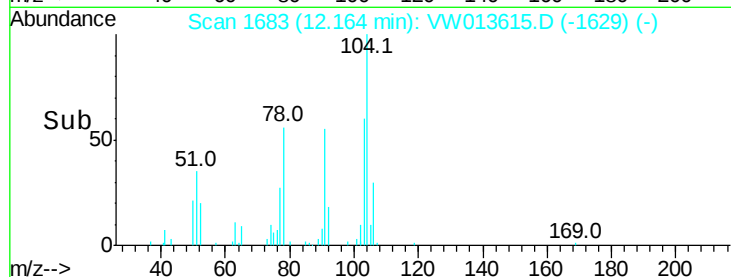
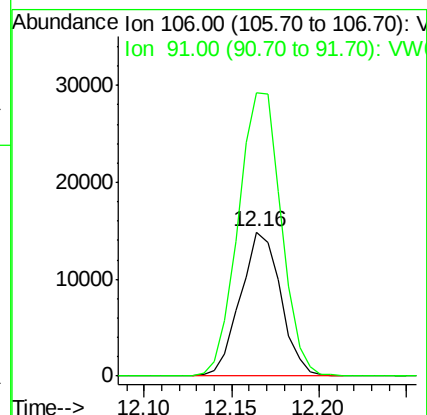
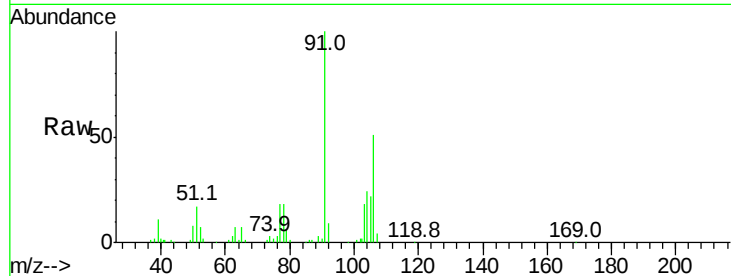




#55
o-xylene
Concen: 2.810 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013615.D
Acq: 18 Oct 2019 10:23

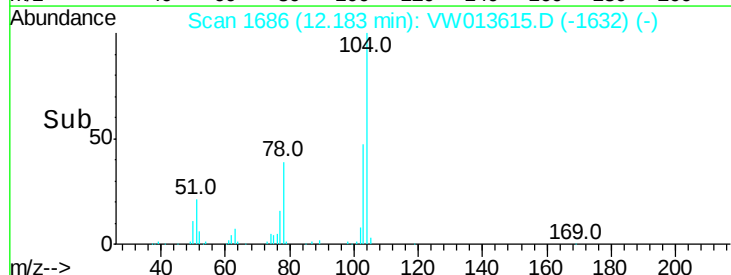
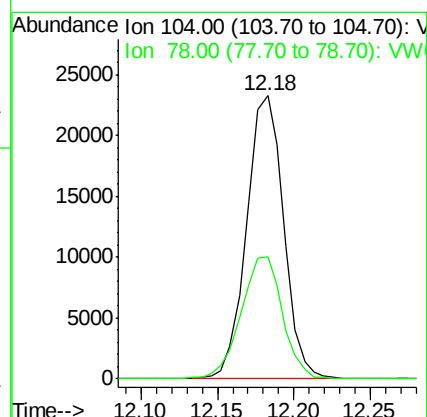
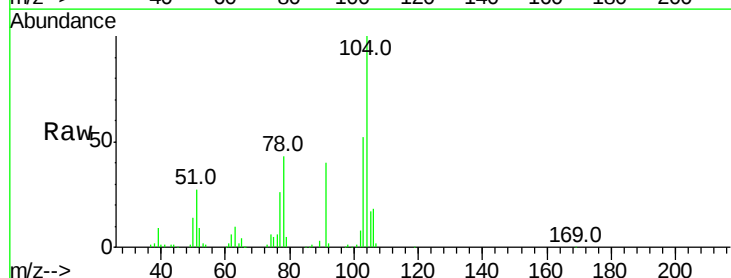
Instrument :
MSVOA_W
ClientSampleId :
VSTD00504

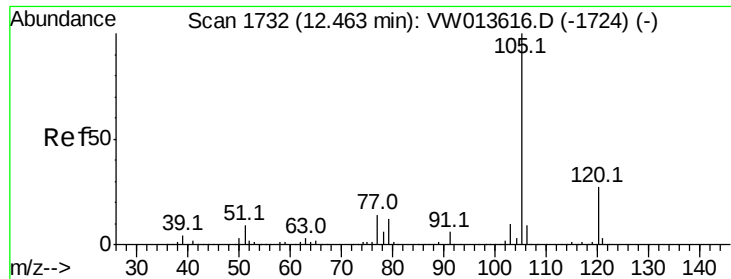
Tgt Ion:106 Resp: 23949
Ion Ratio Lower Upper
106 100
91 196.3 144.8 269.0



#56
Styrene
Concen: 2.699 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW013615.D
Acq: 18 Oct 2019 10:23

Tgt Ion:104 Resp: 39168
Ion Ratio Lower Upper
104 100
78 43.1 29.3 54.5





#57

Isopropylbenzene

Concen: 2.720 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013615.D

Acq: 18 Oct 2019 10:23

Instrument :

MSVOA_W

ClientSampled :

VSTD00504

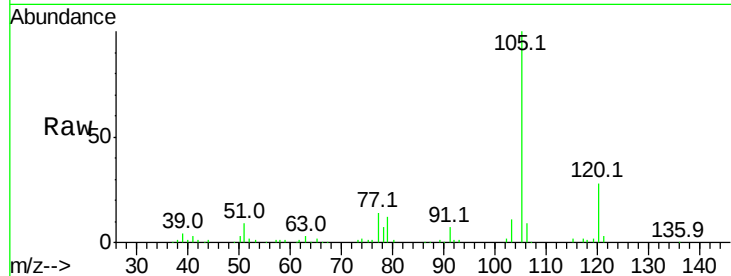
Tgt Ion:105 Resp: 62884

Ion Ratio Lower Upper

105 100

120 27.5 21.4 32.2

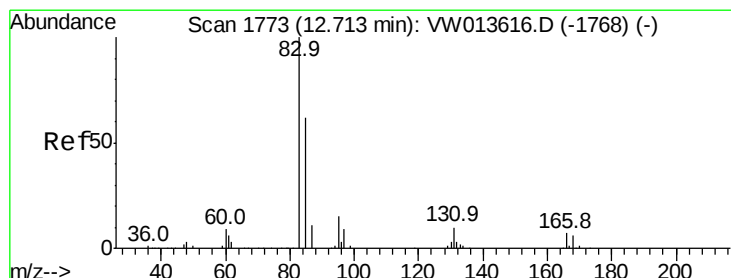
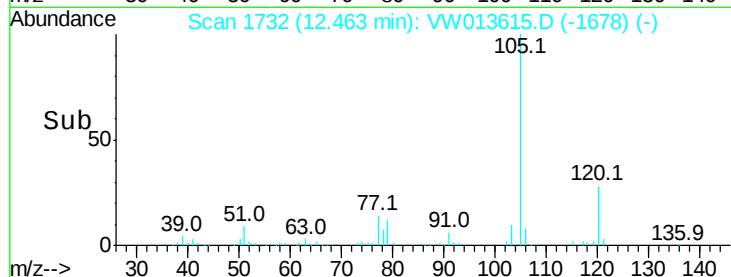
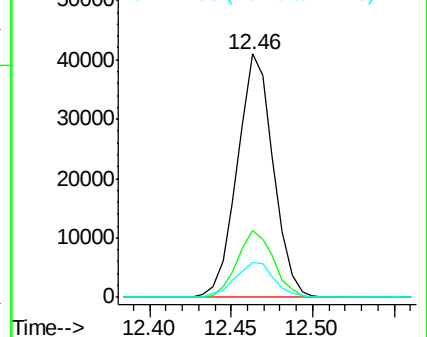
77 15.6 11.4 17.0



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: 3.024 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW013615.D

Acq: 18 Oct 2019 10:23

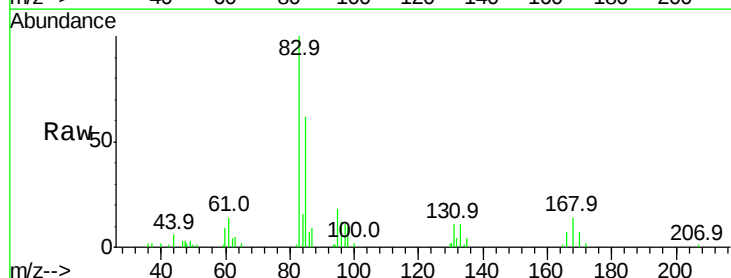
Tgt Ion: 83 Resp: 12748

Ion Ratio Lower Upper

83 100

85 61.9 44.9 83.3

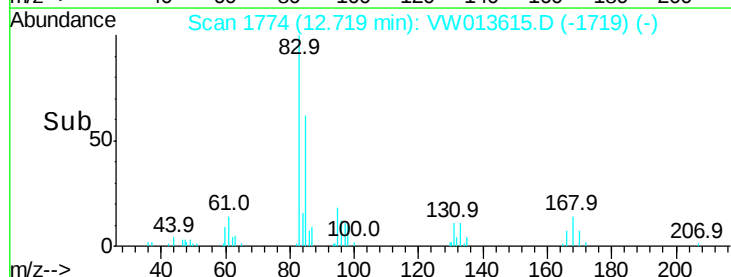
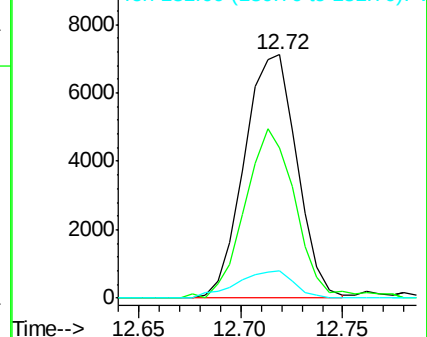
131 11.3 8.6 13.0

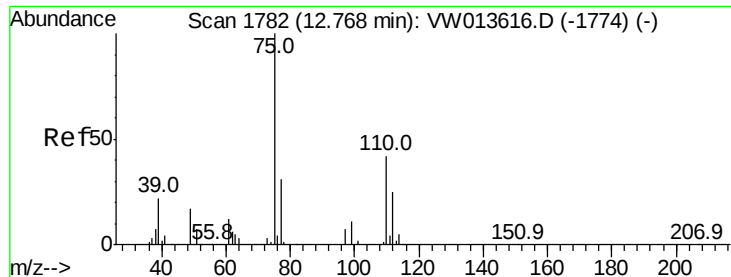


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 3.021 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW013615.D

Acq: 18 Oct 2019 10:23

Instrument :

MSVOA_W

ClientSampleId :

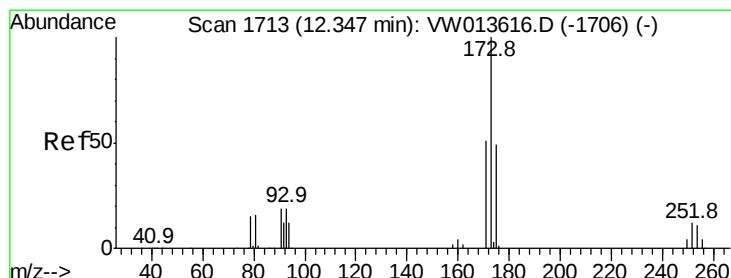
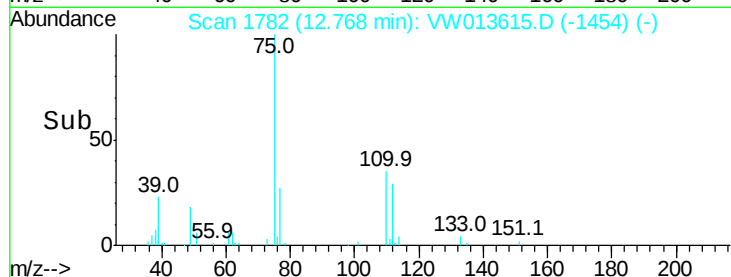
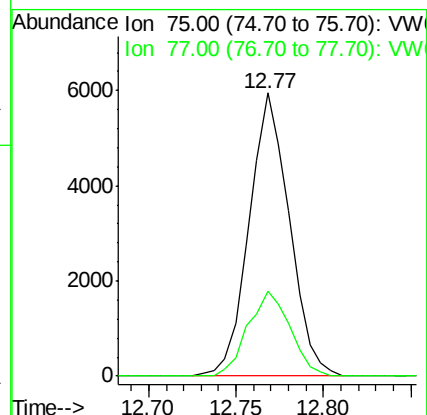
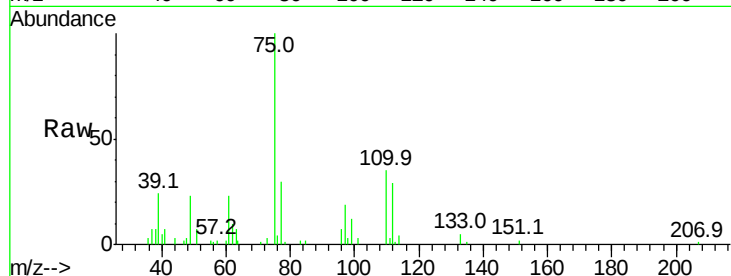
VSTD00504

Tgt Ion: 75 Resp: 9509

Ion Ratio Lower Upper

75 100

77 31.3 26.4 39.6



#62

Bromoform

Concen: 2.338 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013615.D

Acq: 18 Oct 2019 10:23

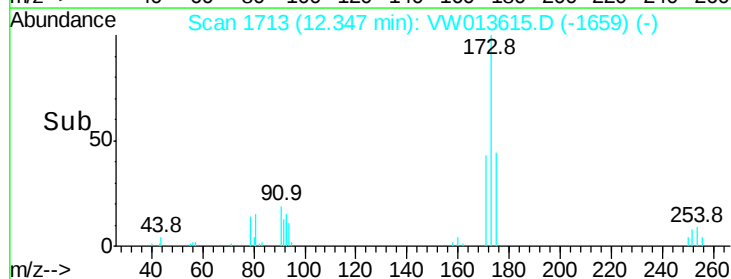
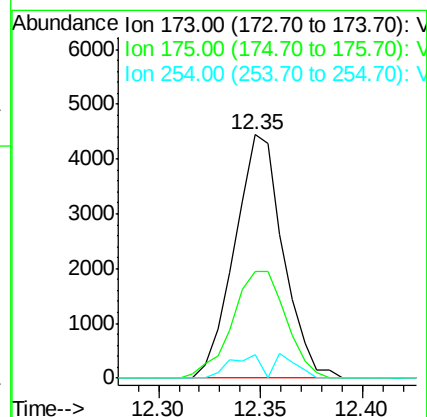
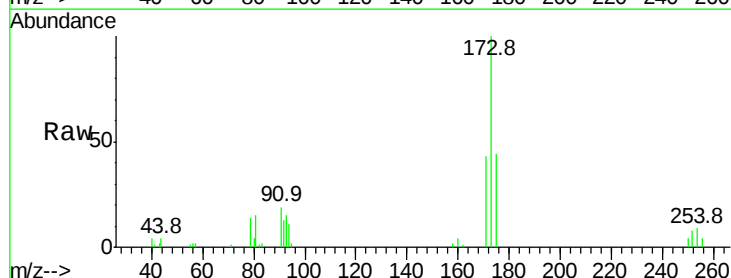
Tgt Ion: 173 Resp: 7327

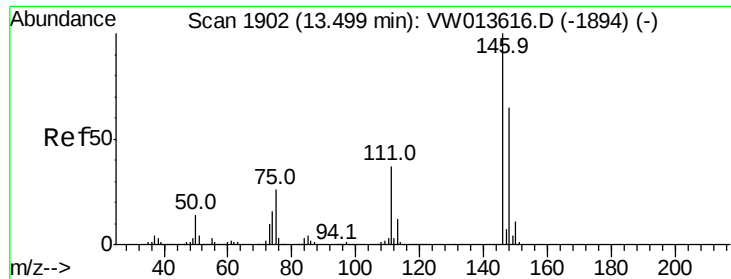
Ion Ratio Lower Upper

173 100

175 48.6 39.1 58.7

254 5.8 9.6 14.4#





#63

1,3-Dichlorobenzene

Concen: 2.412 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW013615.D

Acq: 18 Oct 2019 10:23

Instrument :

MSVOA_W

ClientSampled :

VSTD00504

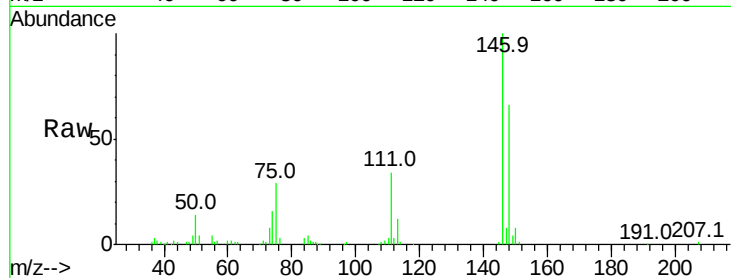
Tgt Ion:146 Resp: 31499

Ion Ratio Lower Upper

146 100

111 33.8 26.1 48.5

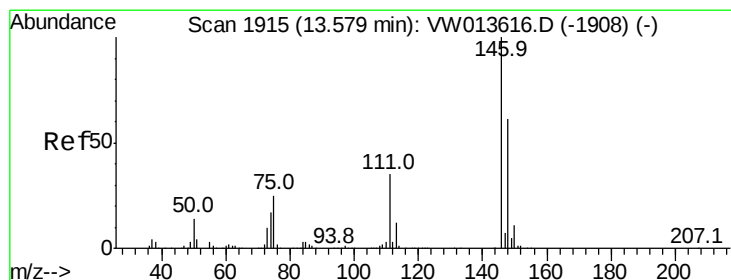
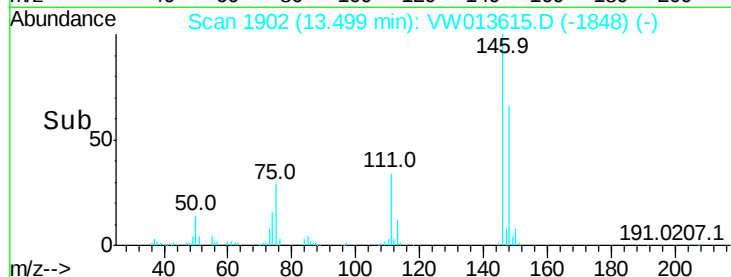
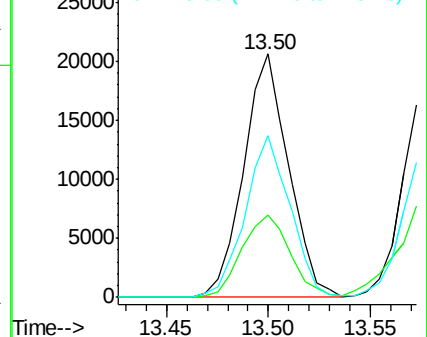
148 66.2 45.8 85.2



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



#64

1,4-Dichlorobenzene

Concen: 2.444 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW013615.D

Acq: 18 Oct 2019 10:23

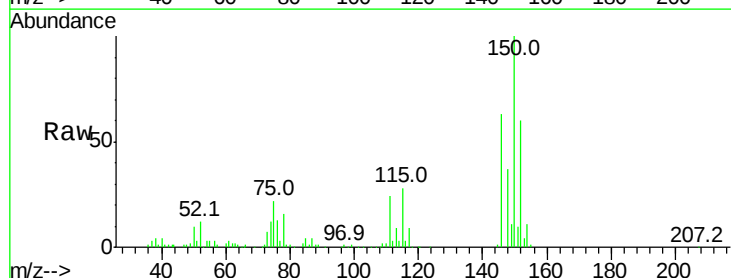
Tgt Ion:146 Resp: 31763

Ion Ratio Lower Upper

146 100

111 37.6 24.8 46.0

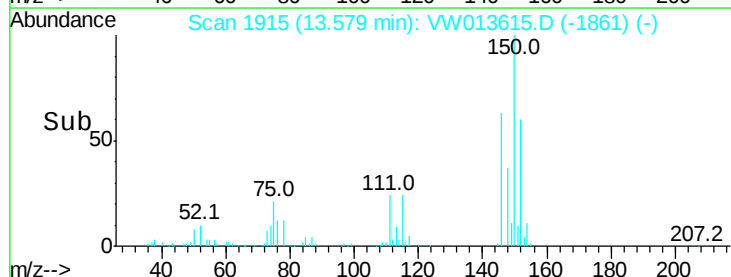
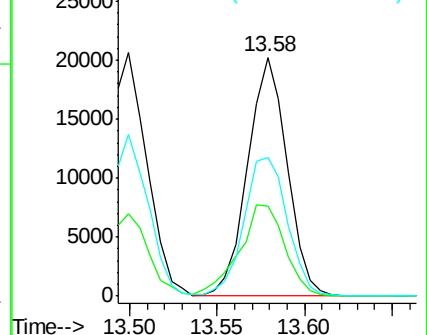
148 58.3 43.0 79.8

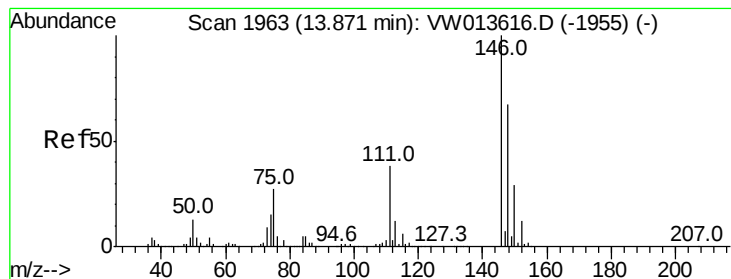


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 2.503 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW013615.D

Acq: 18 Oct 2019 10:23

Instrument :

MSVOA_W

ClientSampleId :

VSTD00504

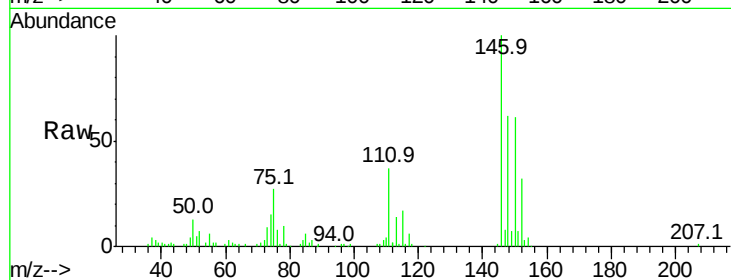
Tgt Ion:146 Resp: 29392

Ion Ratio Lower Upper

146 100

111 36.9 30.7 46.1

148 61.9 53.3 79.9

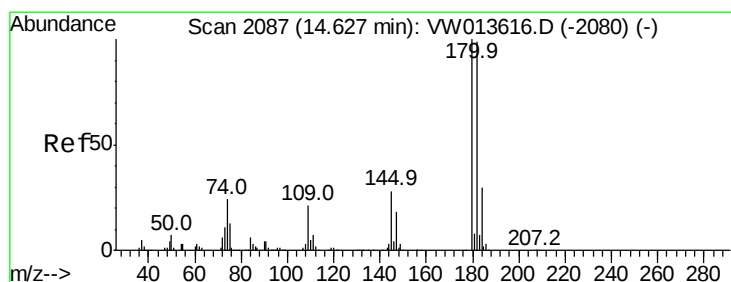
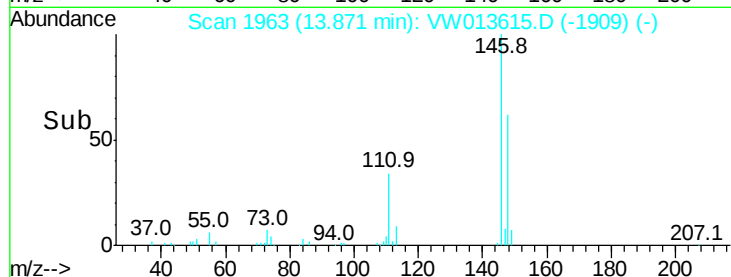
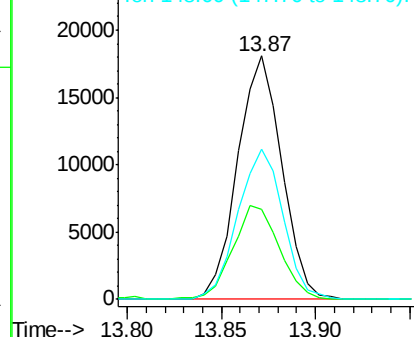


Abundance

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



#67

1,3,5-Trichlorobenzene

Concen: 2.360 ug/L

RT: 14.63 min Scan# 2088

Delta R.T. 0.01 min

Lab File: VW013615.D

Acq: 18 Oct 2019 10:23

Tgt Ion:180 Resp: 23263

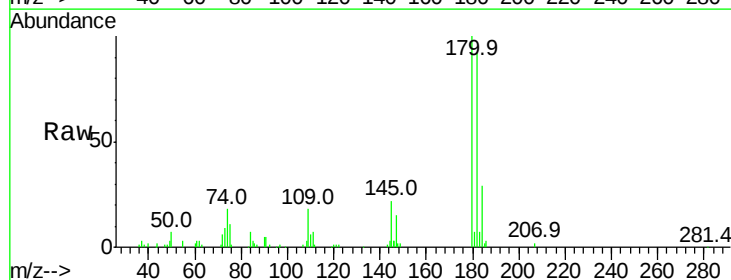
Ion Ratio Lower Upper

180 100

182 96.8 76.2 114.4

184 31.5 24.1 36.1

145 25.3 21.8 32.8



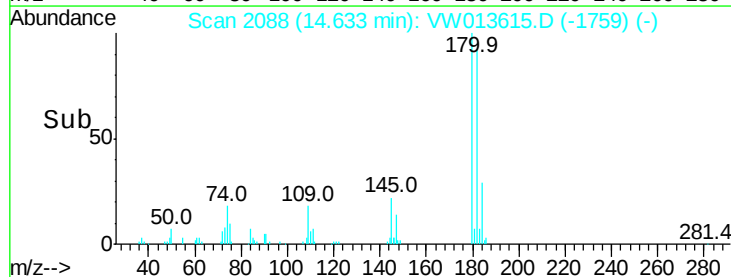
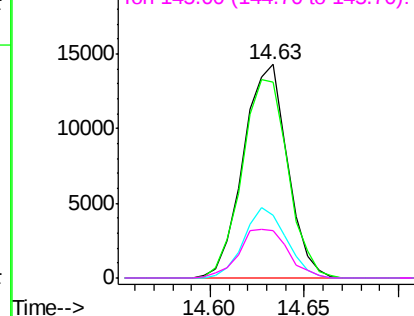
Abundance

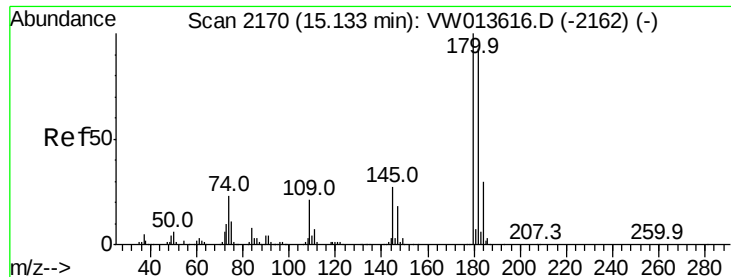
Ion 180.00 (179.70 to 180.70): V

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

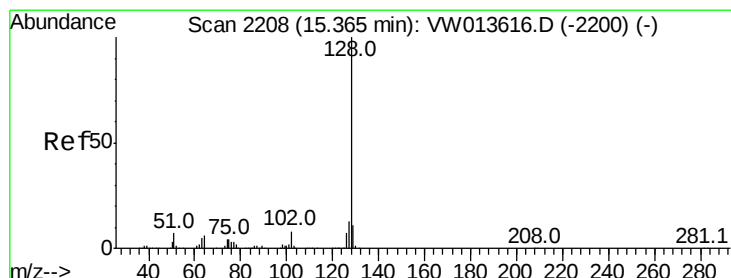
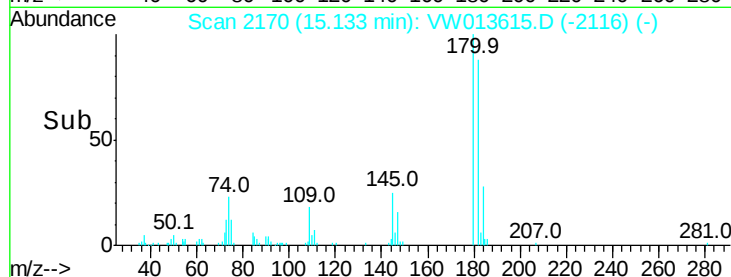
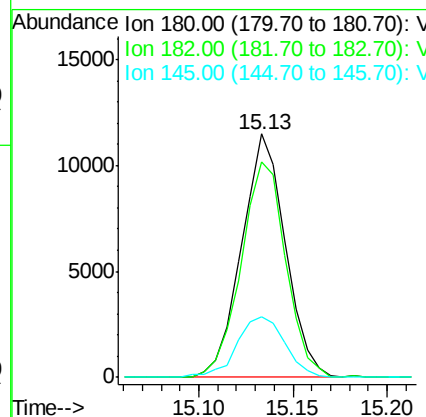
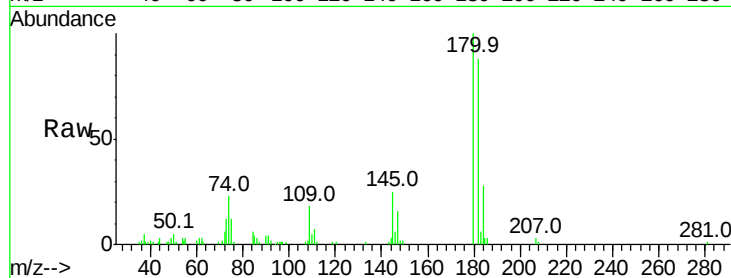




#68
 1,2,4-trichlorobenzene
 Concen: 2.257 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013615.D
 Acq: 18 Oct 2019 10:23

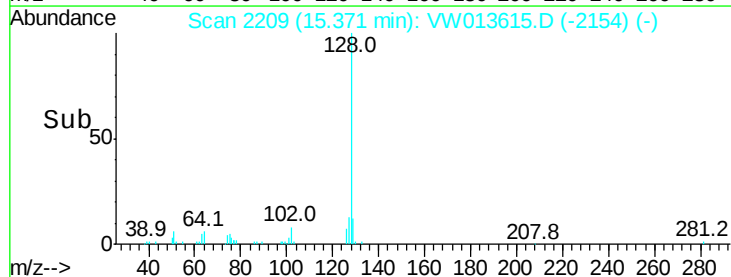
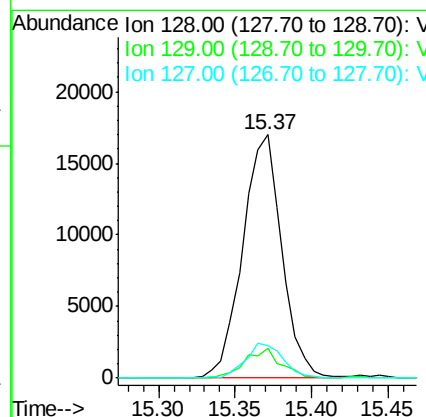
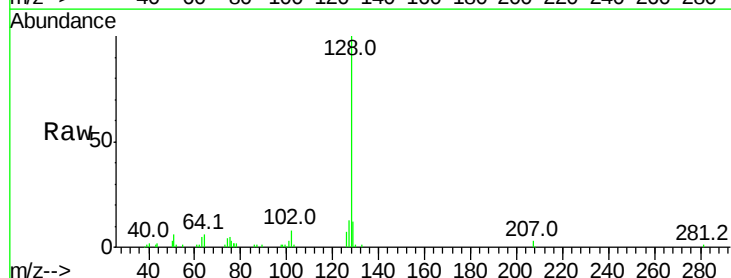
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00504

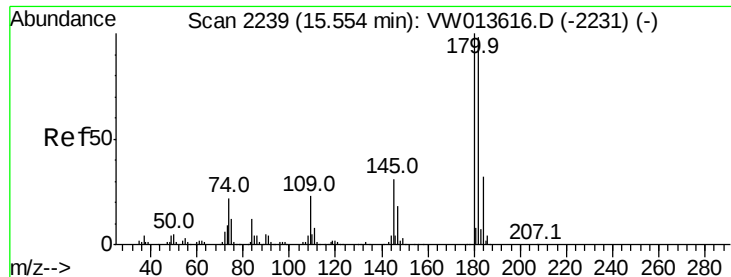
Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.6	75.8	113.8
145	27.6	22.6	34.0



#69
 Naphthalene
 Concen: 2.035 ug/L
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.01 min
 Lab File: VW013615.D
 Acq: 18 Oct 2019 10:23

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.6	13.0
127	13.5	10.5	15.7





#70
 1,2,3-Trichlorobenzene
 Concen: 2.241 ug/L
 RT: 15.55 min Scan# 2239
 Delta R.T. 0.00 min
 Lab File: VW013615.D
 Acq: 18 Oct 2019 10:23

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00504

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.1	77.0	115.4
145	32.2	24.1	36.1

