

Data File : VW007917.D
Acq On : 26 Dec 2018 10:43
Operator : SY/AP
Sample : VSTD10085
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD10085

Quant Time: Dec 26 11:08:25 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 26 10:32:54 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	109291	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	97355	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	48325	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	99434	139.68	ug/L	0.00
7) Chloroethane-d5	2.89	69	69209	114.80	ug/L	-0.01
10) 1,1-Dichloroethene-d2	4.01	63	269086	109.59	ug/L	0.00
20) 2-Butanone-d5	7.07	46	75462	168.18	ug/L	0.00
24) Chloroform-d	7.65	84	267206	103.65	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	157303	107.20	ug/L	0.00
29) Benzene-d6	8.27	84	500249	94.61	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	136179	90.25	ug/L	0.00
37) Toluene-d8	10.32	98	487612	98.36	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	79466	103.02	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	62414	171.83	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	120297	87.50	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	165557	97.38	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	117188	98.182	ug/L	96
3) Chloromethane	2.22	50	89542	93.714	ug/L	95
5) Vinyl chloride	2.37	62	107904	119.703	ug/L	98
6) Bromomethane	2.78	94	68772	110.300	ug/L	98
8) Chloroethane	2.93	64	56528	104.176	ug/L	99
9) Trichlorofluoromethane	3.26	101	115819	111.929	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	133592	96.849	ug/L	99
12) 1,1-Dichloroethene	4.03	96	126544	98.593	ug/L	97
13) Acetone	4.12	43	74908	143.565	ug/L	98
14) Carbon disulfide	4.37	76	406188	108.386	ug/L	100
15) Methyl Acetate	4.67	43	60514	77.344	ug/L	99
16) Methylene chloride	4.91	84	126950	71.889	ug/L	97
17) Methyl tert-butyl Ether	5.43	73	210428	100.826	ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	137233	99.664	ug/L	96
19) 1,1-Dichloroethane	6.21	63	225990	96.283	ug/L	98
21) 2-Butanone	7.17	43	85662	152.747	ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	145166	95.803	ug/L	94
23) Bromochloromethane	7.51	128	66349	96.052	ug/L	96
25) Chloroform	7.68	83	253594	99.855	ug/L	100
27) 1,2-Dichloroethane	8.40	62	185567	102.217	ug/L #	95
30) Cyclohexane	7.95	56	209506	89.703	ug/L	97
31) 1,1,1-Trichloroethane	7.87	97	231309	100.948	ug/L	98
32) Carbon tetrachloride	8.07	117	226504	102.293	ug/L	99
34) Benzene	8.32	78	507170	90.885	ug/L	100
35) Trichloroethene	9.09	95	148355	92.713	ug/L	99
36) Methylcyclohexane	9.34	83	255463	92.481	ug/L	98
40) 1,2-Dichloropropane	9.37	63	119224	87.343	ug/L	99
41) Bromodichloromethane	9.65	83	185774	94.783	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	218139	95.158	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	166024	153.666	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	567709	94.386	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	199191	98.946	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	100770	89.655	ug/L	99
47) Tetrachloroethene	10.87	164	116382	96.285	ug/L	98
49) 2-Hexanone	10.97	43	121879	160.504	ug/L	97
50) Dibromochloromethane	11.13	129	134536	97.434	ug/L	96
51) 1,2-Dibromoethane	11.24	107	103250	91.466	ug/L	98
52) Chlorobenzene	11.66	112	367502	94.144	ug/L	100
53) Ethylbenzene	11.73	91	657942	97.282	ug/L	99
54) m,p-Xylene	11.84	106	249397	97.073	ug/L	99
55) o-xylene	12.17	106	230466	94.922	ug/L	100
56) Styrene	12.18	104	399582	96.010	ug/L	96
57) Isopropylbenzene	12.47	105	664431	98.051	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	116796	83.823	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	93362	84.649	ug/L	100
62) Bromoform	12.35	173	77254	93.349	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	294336	94.807	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	291099	94.055	ug/L	94
65) 1,2-Dichlorobenzene	13.88	146	260232	93.661	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.49	75	25081	85.228	ug/L	96
67) 1,3,5-Trichlorobenzene	14.63	180	211511	94.051	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	182585	94.171	ug/L	98
69) Naphthalene	15.38	128	403777	84.251	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	160967	91.319	ug/L	99

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

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ClientSampleId :
VSTD10085

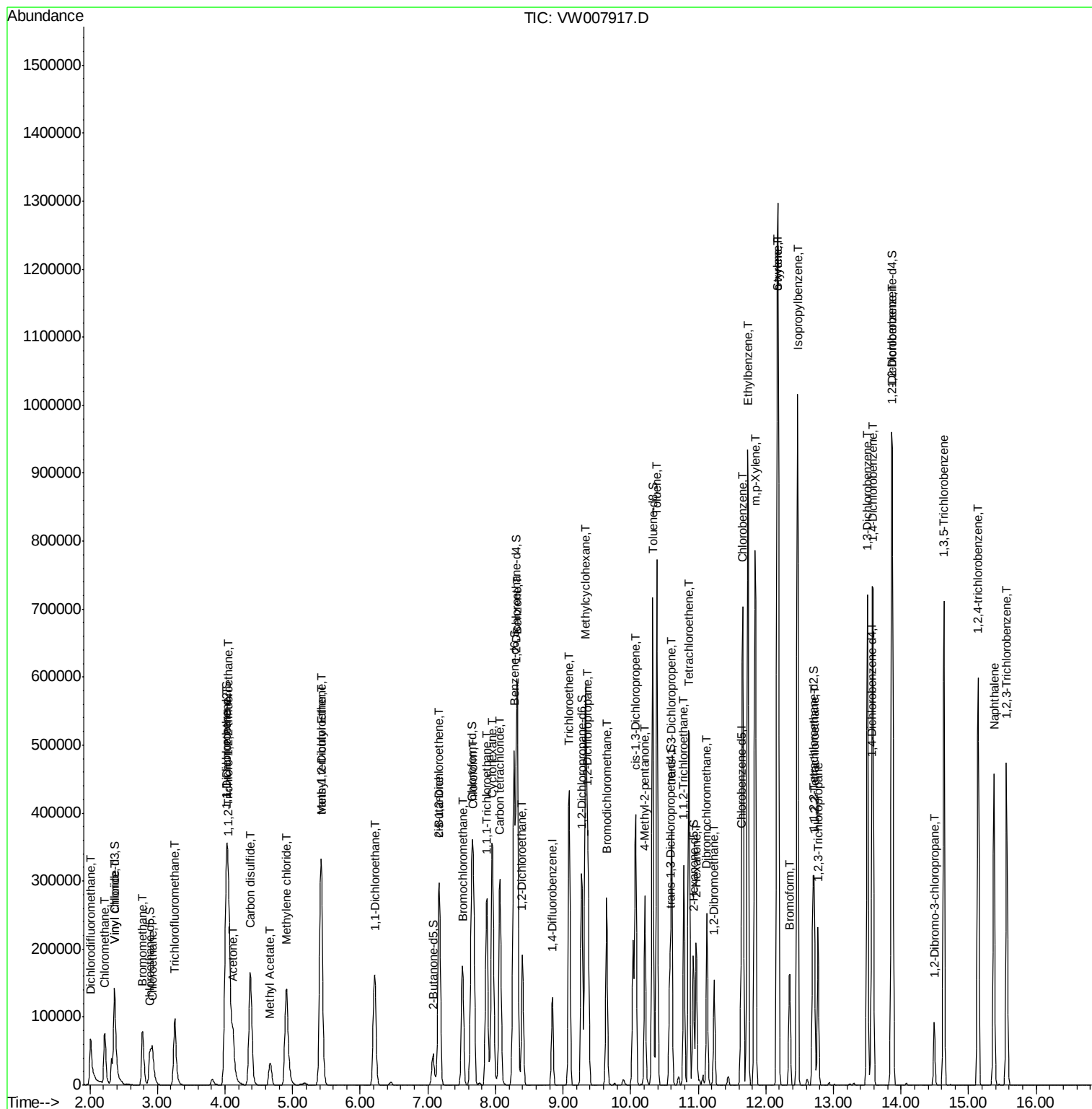
Quant Time: Dec 26 11:08:25 2018

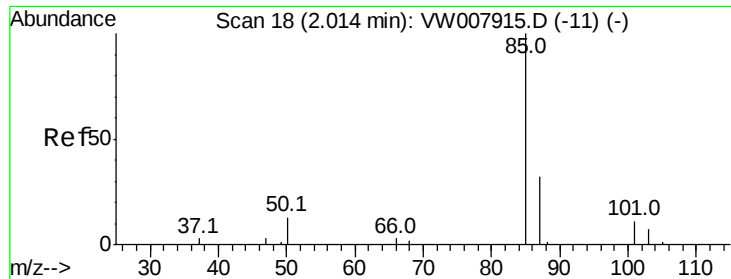
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M

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#2

Dichlorodifluoromethane

Concen: 98.182 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

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Instrument :

MSVOA_W

ClientSampleId :

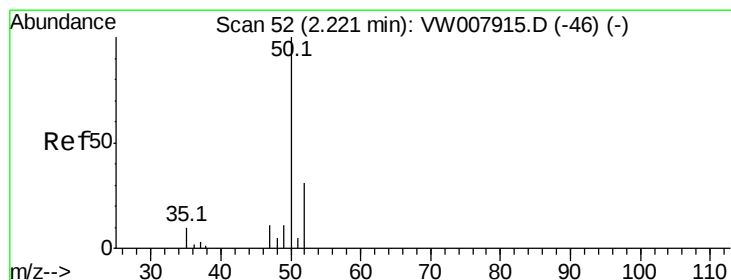
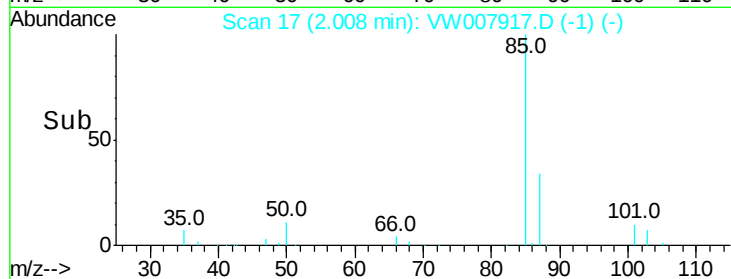
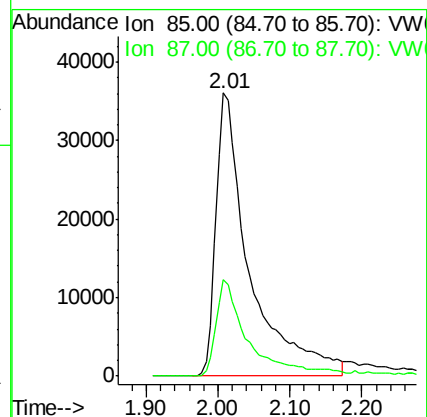
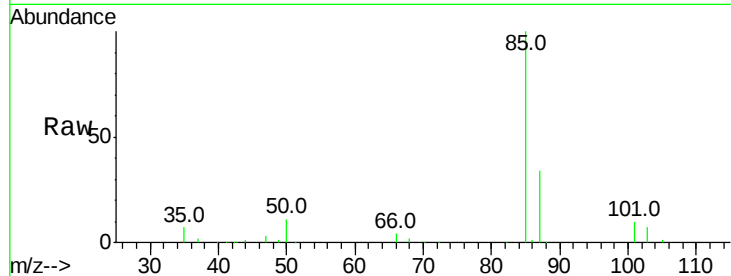
VSTD10085

Tgt Ion: 85 Resp: 117188

Ion Ratio Lower Upper

85 100

87 31.5 20.6 38.4



#3

Chloromethane

Concen: 93.714 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW007917.D

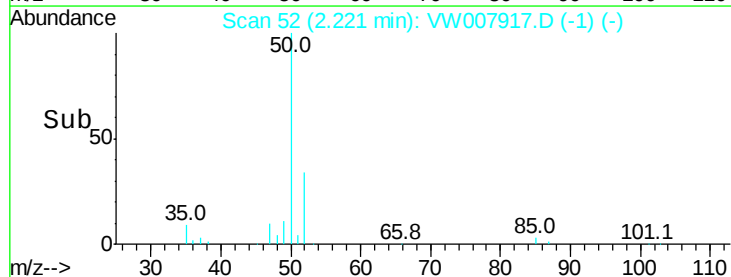
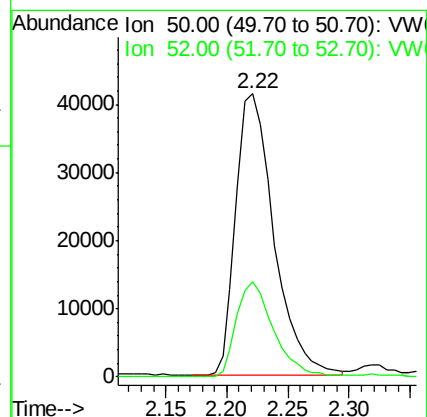
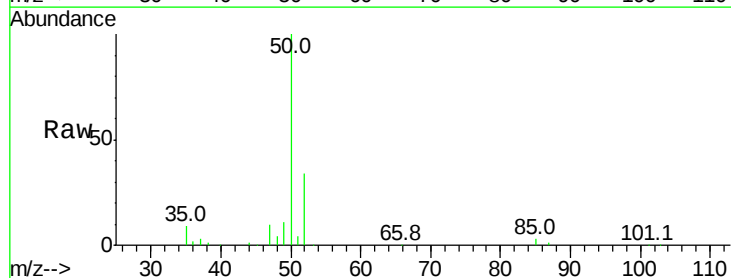
Acq: 26 Dec 2018 10:43

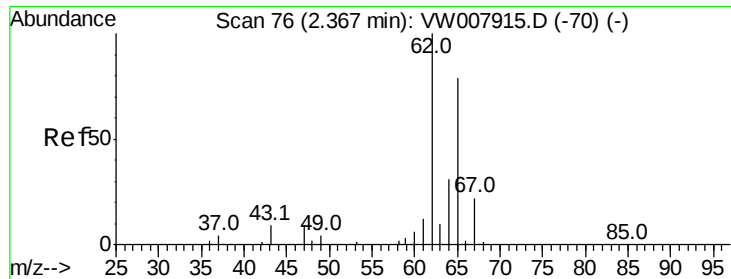
Tgt Ion: 50 Resp: 89542

Ion Ratio Lower Upper

50 100

52 33.5 21.4 39.8





#5

Vinyl chloride

Concen: 119.703 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW007917.D

Acq: 26 Dec 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

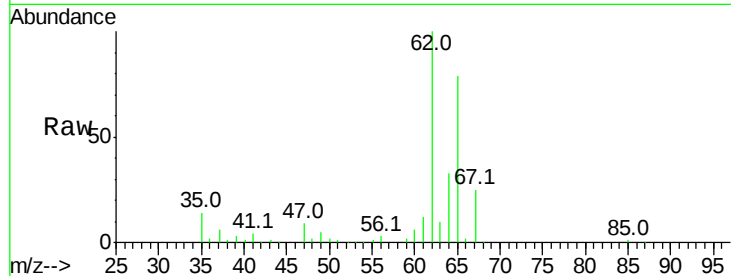
VSTD10085

Tgt Ion: 62 Resp: 107904

Ion Ratio Lower Upper

62 100

64 32.6 22.0 41.0



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW

2.37

40000

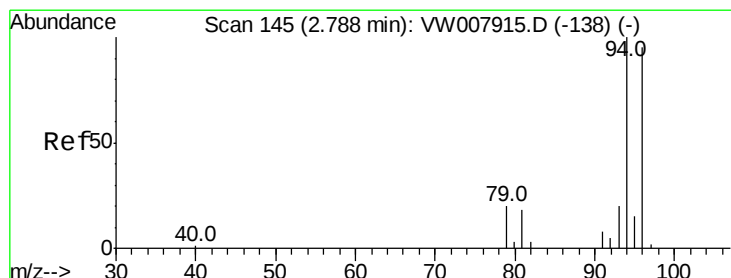
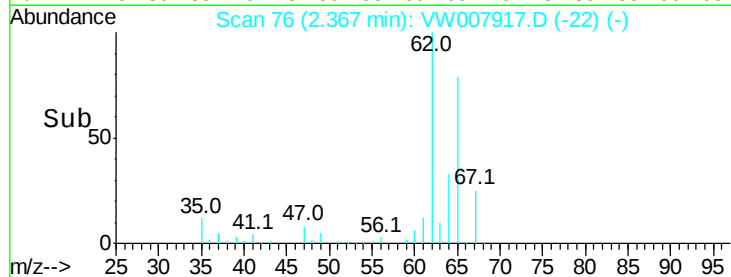
30000

20000

10000

0

Time--> 2.30 2.40 2.50 2.60



#6

Bromomethane

Concen: 110.300 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW007917.D

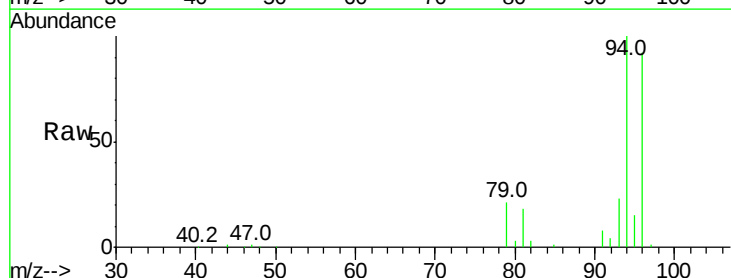
Acq: 26 Dec 2018 10:43

Tgt Ion: 94 Resp: 68772

Ion Ratio Lower Upper

94 100

96 93.8 9.2 175.4



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW

2.78

30000

25000

20000

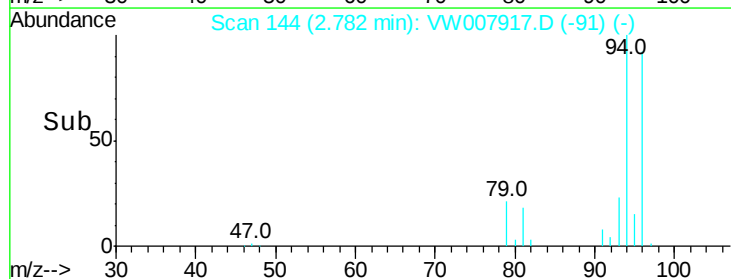
15000

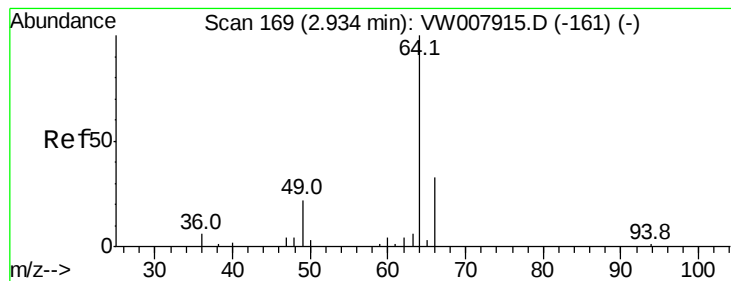
10000

5000

0

Time--> 2.70 2.80 2.90





#8

Chloroethane

Concen: 104.176 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW007917.D

Acq: 26 Dec 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

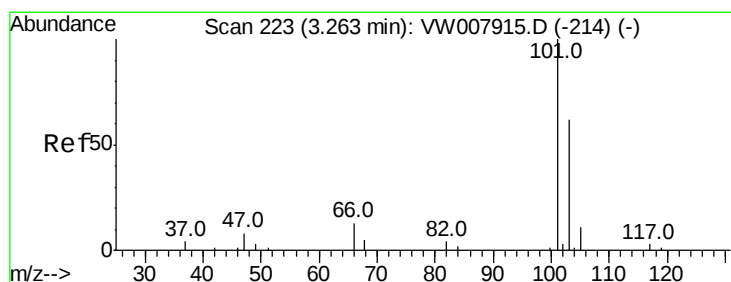
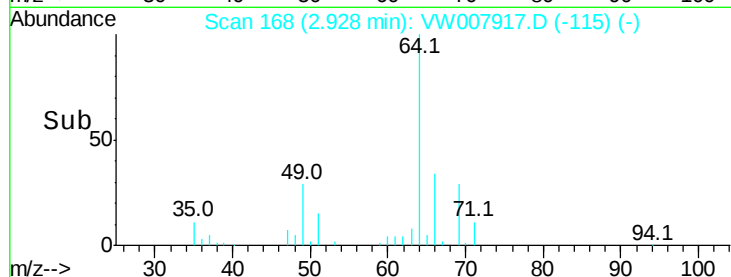
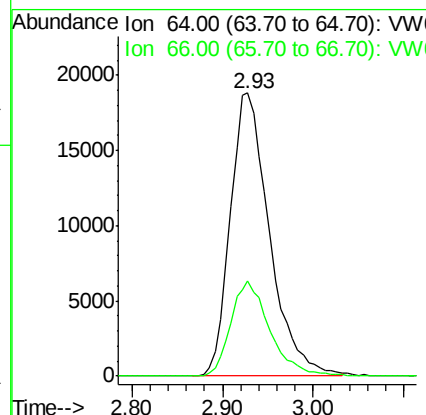
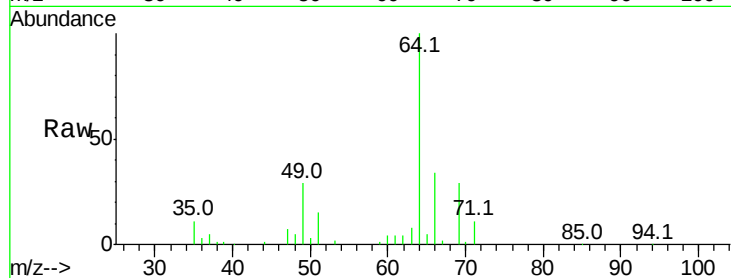
VSTD10085

Tgt Ion: 64 Resp: 56528

Ion Ratio Lower Upper

64 100

66 33.8 23.3 43.3



#9

Trichlorofluoromethane

Concen: 111.929 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW007917.D

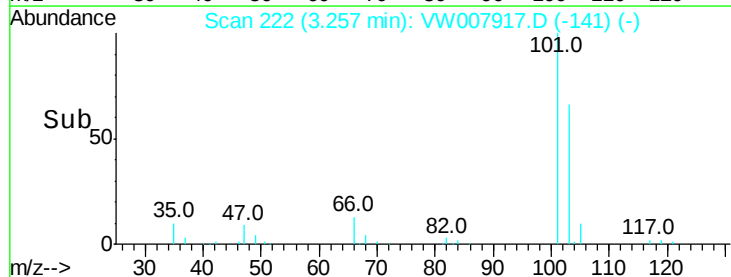
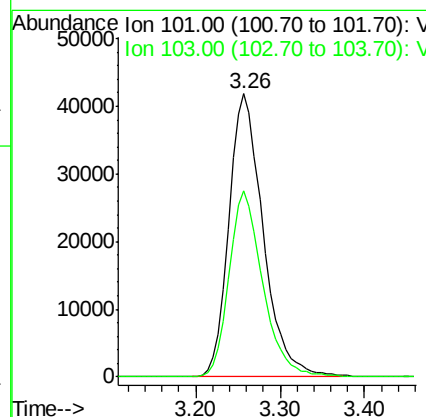
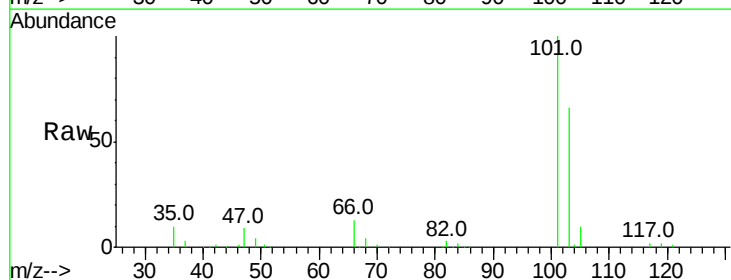
Acq: 26 Dec 2018 10:43

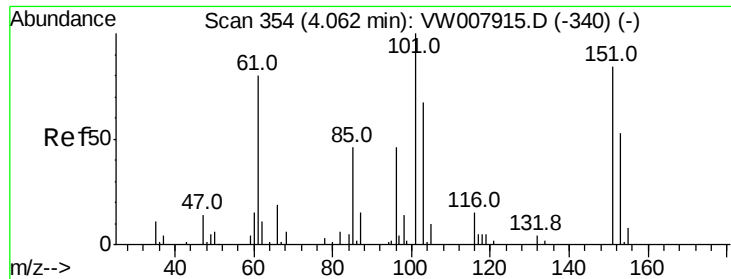
Tgt Ion: 101 Resp: 115819

Ion Ratio Lower Upper

101 100

103 64.5 44.7 83.1





#11

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

Concen: 96.849 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW007917.D

Acq: 26 Dec 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD10085

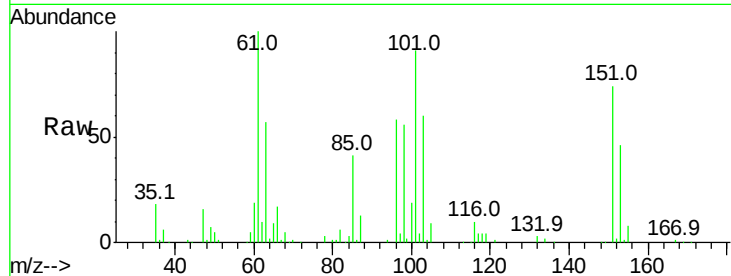
Tgt Ion: 101 Resp: 133592

Ion Ratio Lower Upper

101 100

85 43.4 33.4 50.2

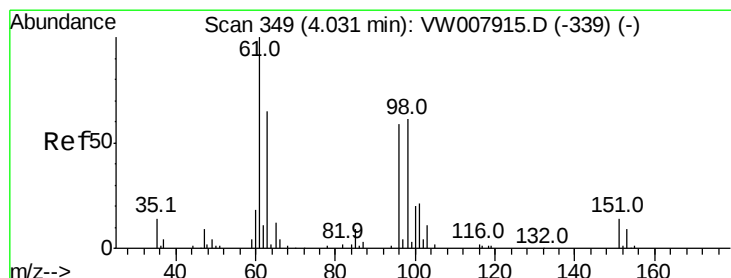
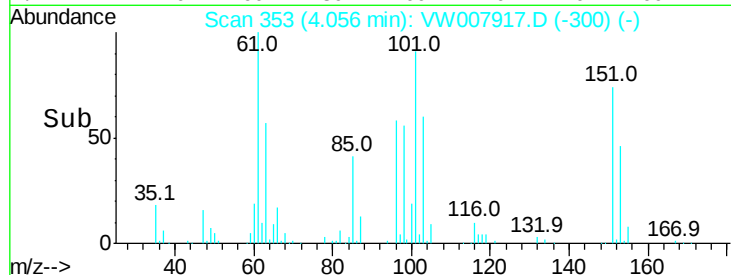
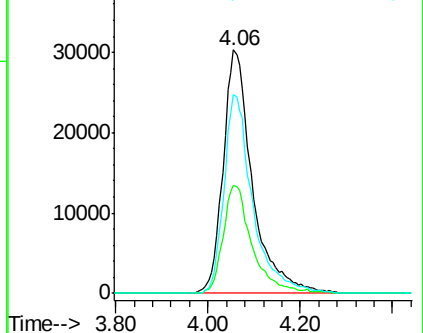
151 78.5 63.2 94.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 98.593 ug/L

RT: 4.03 min Scan# 349

Delta R.T. 0.00 min

Lab File: VW007917.D

Acq: 26 Dec 2018 10:43

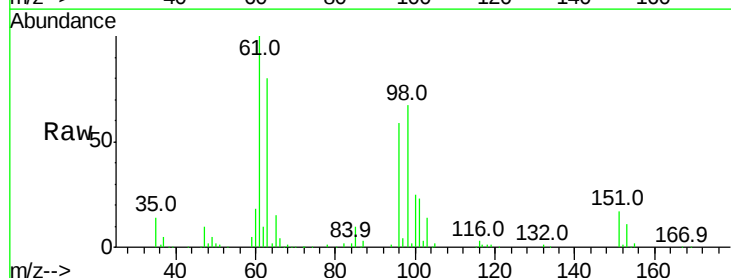
Tgt Ion: 96 Resp: 126544

Ion Ratio Lower Upper

96 100

61 169.5 120.3 223.3

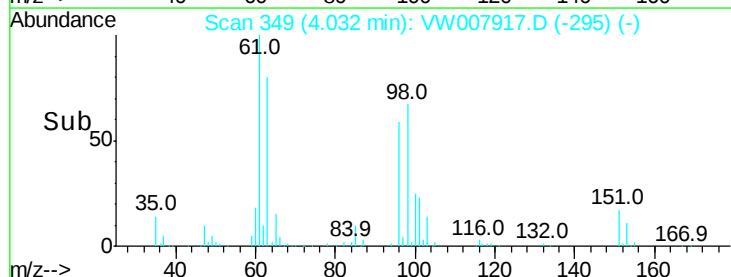
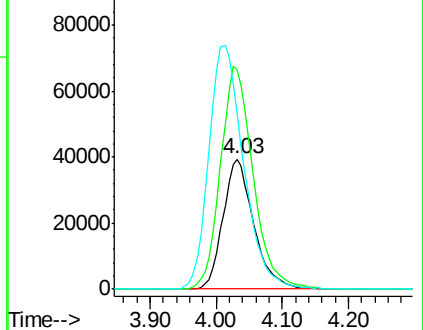
63 135.3 91.6 170.0

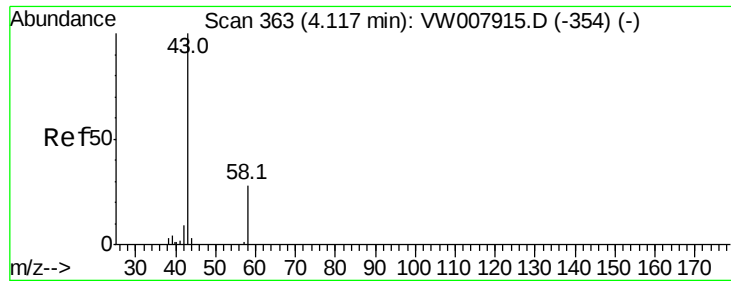


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 143.565 ug/L

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

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ClientSampleId :

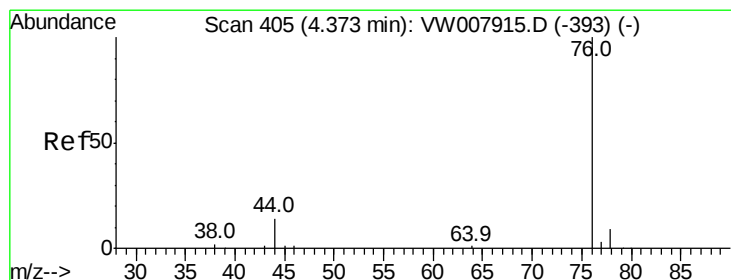
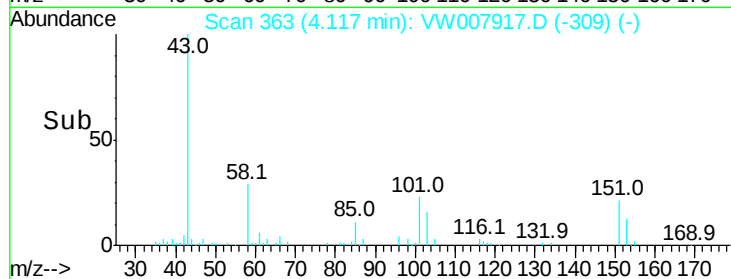
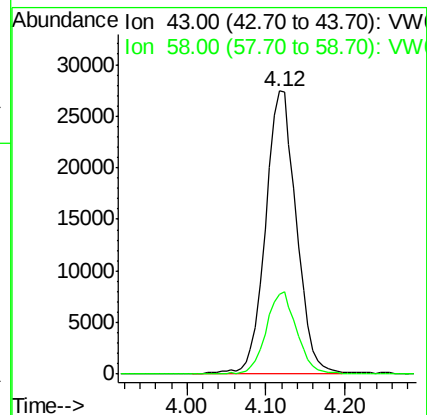
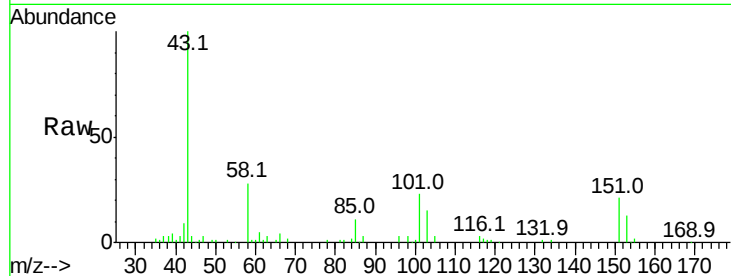
VSTD10085

Tgt Ion: 43 Resp: 74908

Ion Ratio Lower Upper

43 100

58 28.4 0.0 58.6



#14

Carbon disulfide

Concen: 108.386 ug/L

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW007917.D

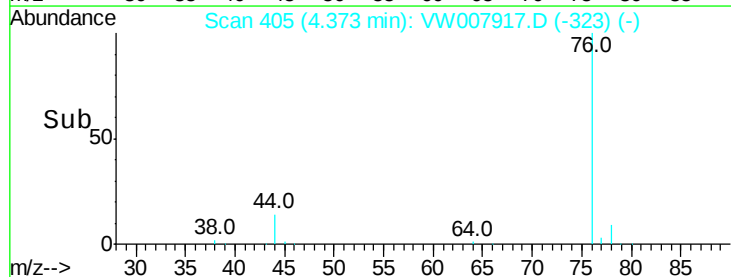
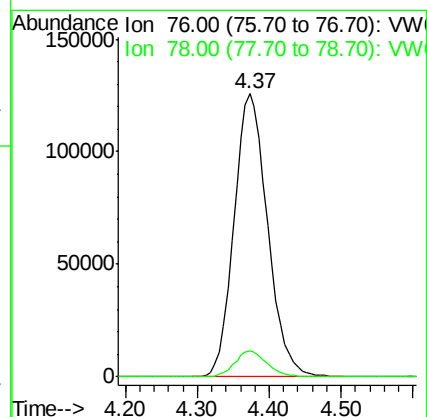
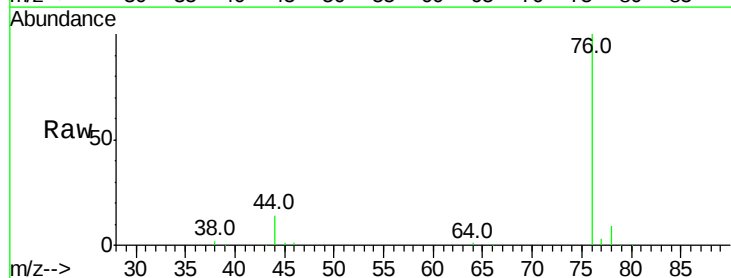
Acq: 26 Dec 2018 10:43

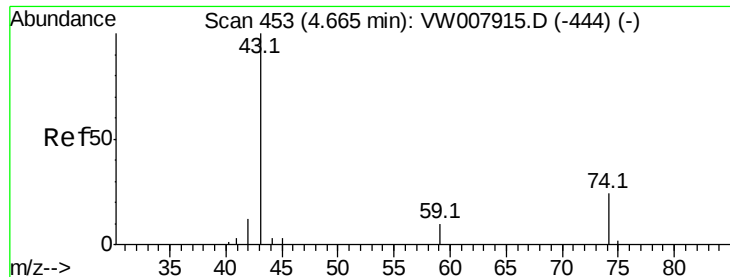
Tgt Ion: 76 Resp: 406188

Ion Ratio Lower Upper

76 100

78 9.4 7.5 11.3





#15

Methyl Acetate

Concen: 77.344 ug/L

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

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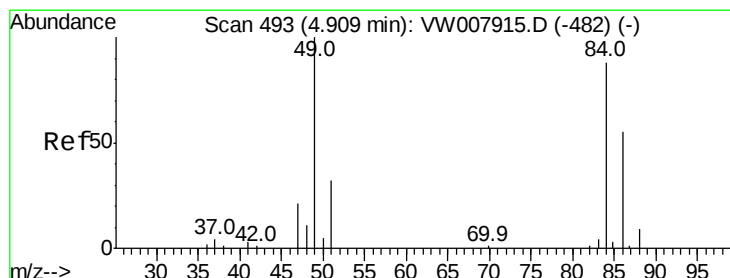
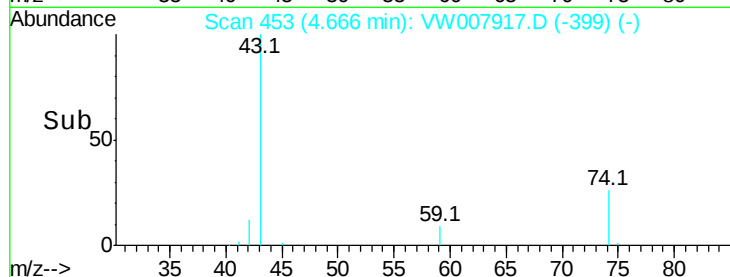
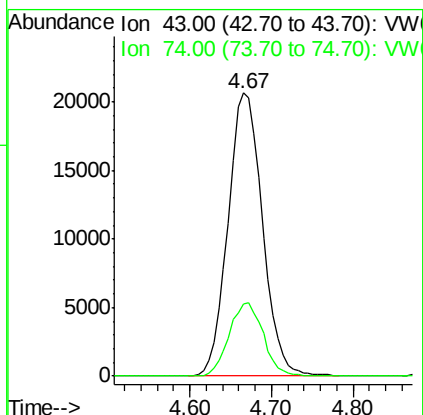
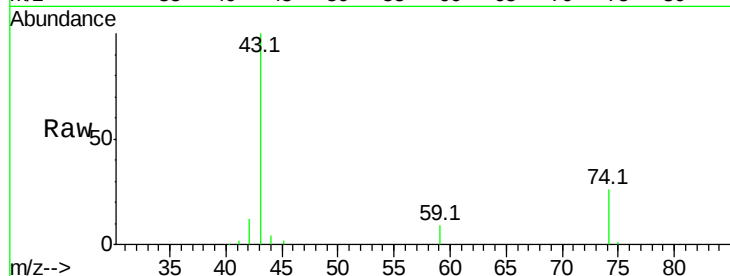
VSTD10085

Tgt Ion: 43 Resp: 60514

Ion Ratio Lower Upper

43 100

74 25.5 20.2 30.2



#16

Methylene chloride

Concen: 71.889 ug/L

RT: 4.91 min Scan# 493

Delta R.T. 0.00 min

Lab File: VW007917.D

Acq: 26 Dec 2018 10:43

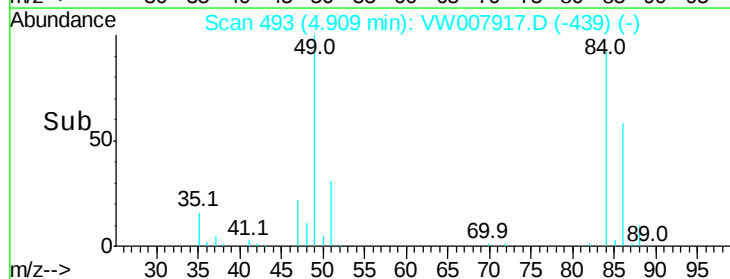
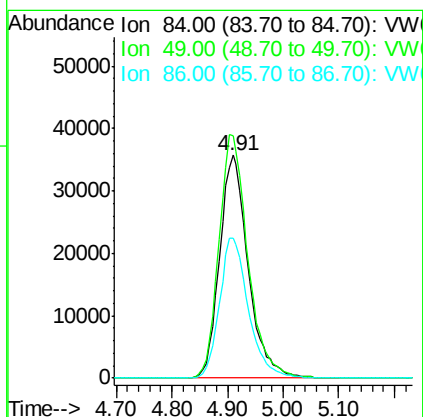
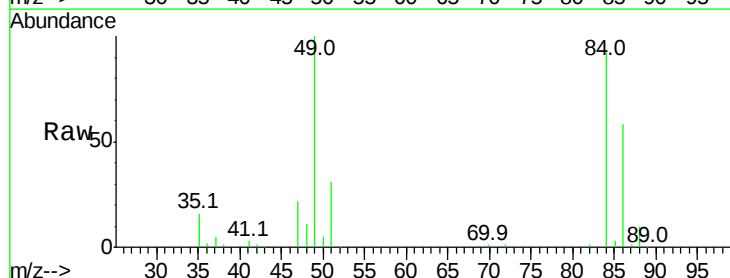
Tgt Ion: 84 Resp: 126950

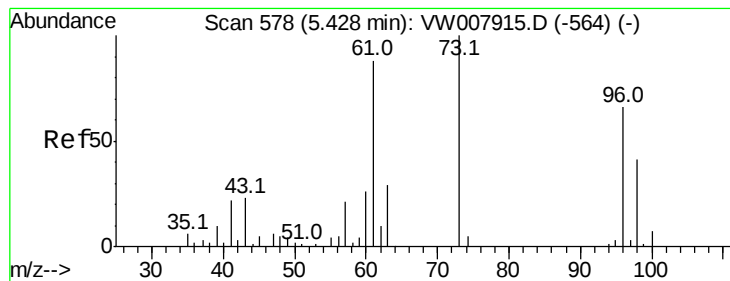
Ion Ratio Lower Upper

84 100

49 108.6 79.2 147.0

86 62.9 43.2 80.2





#17

Methyl tert-butyl Ether

Concen: 100.826 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW007917.D

Acq: 26 Dec 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD10085

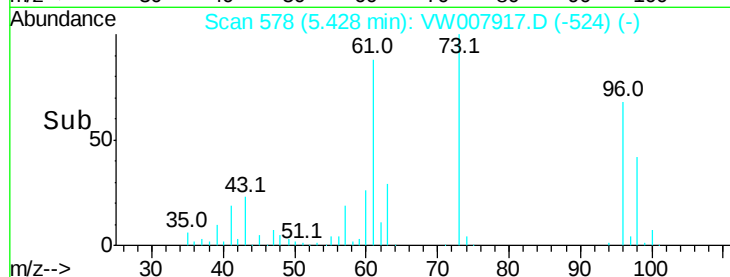
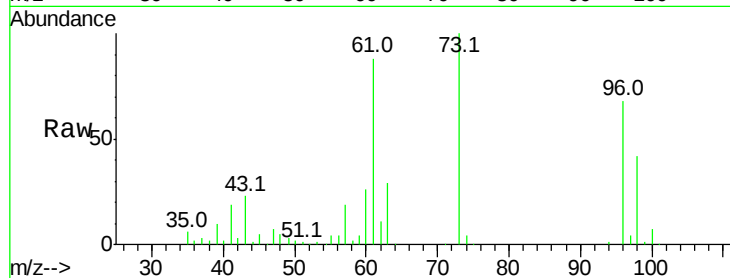
Tgt Ion: 73 Resp: 210428

Ion Ratio Lower Upper

73 100

43 22.6 18.5 27.7

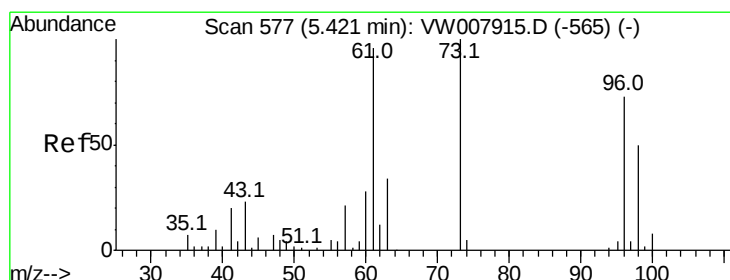
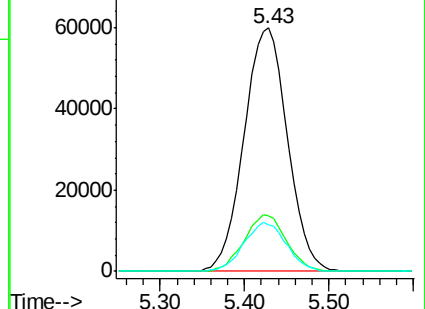
57 19.7 16.4 24.6



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: 99.664 ug/L

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW007917.D

Acq: 26 Dec 2018 10:43

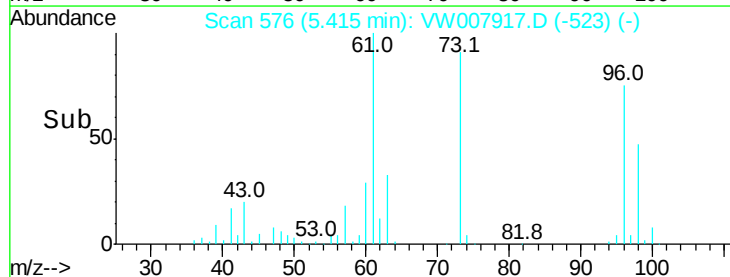
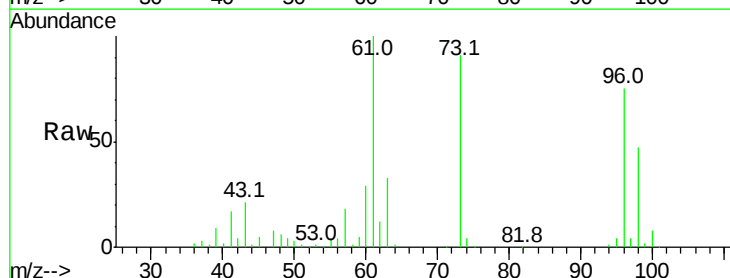
Tgt Ion: 96 Resp: 137233

Ion Ratio Lower Upper

96 100

61 133.9 91.4 169.8

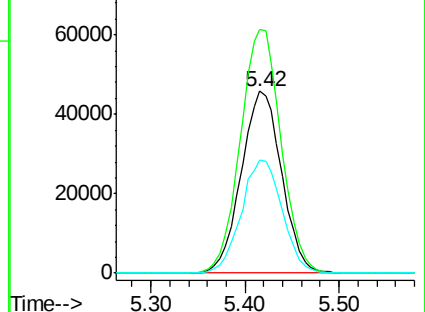
98 62.5 48.0 89.2

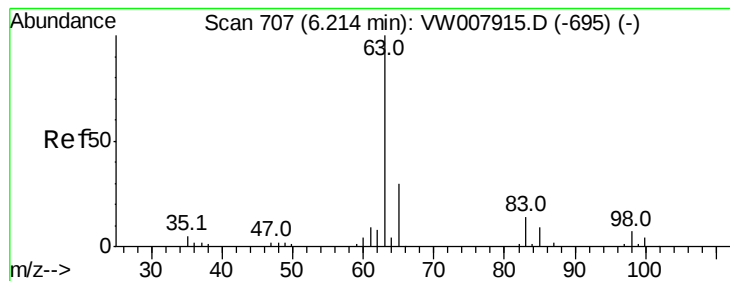


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW





#19

1,1-Dichloroethane

Concen: 96.283 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW007917.D

Acq: 26 Dec 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD10085

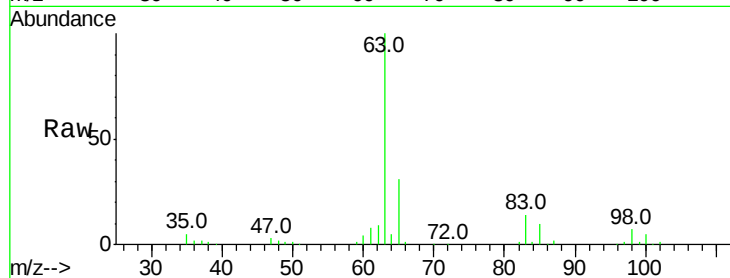
Tgt Ion: 63 Resp: 225990

Ion Ratio Lower Upper

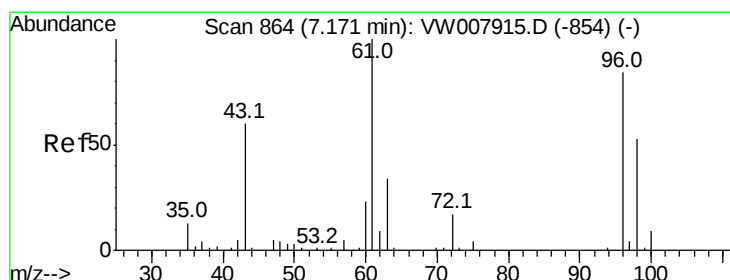
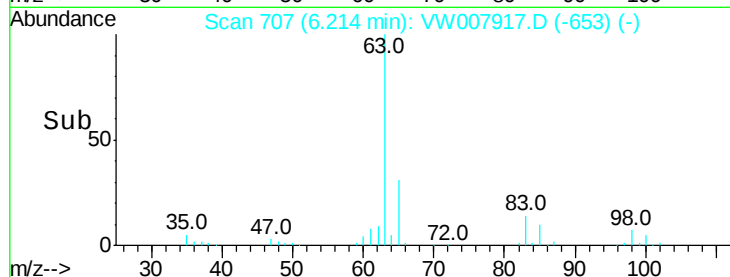
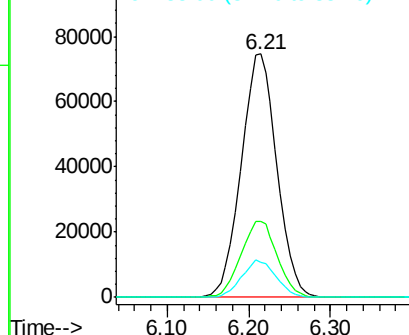
63 100

65 31.1 20.6 38.4

83 14.5 10.0 18.6



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 65.00 (64.70 to 65.70): VW
Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 152.747 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW007917.D

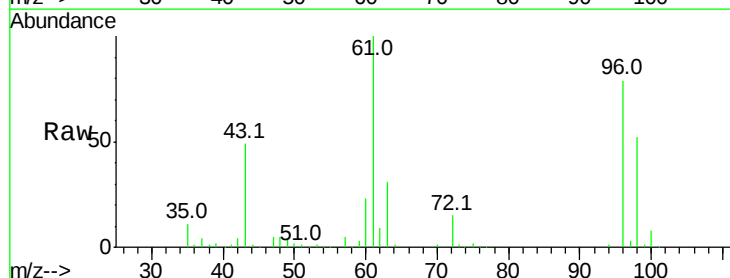
Acq: 26 Dec 2018 10:43

Tgt Ion: 43 Resp: 85662

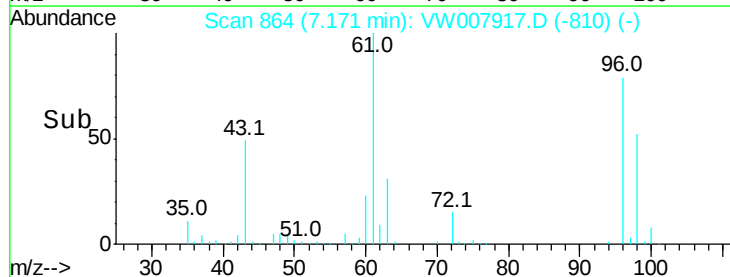
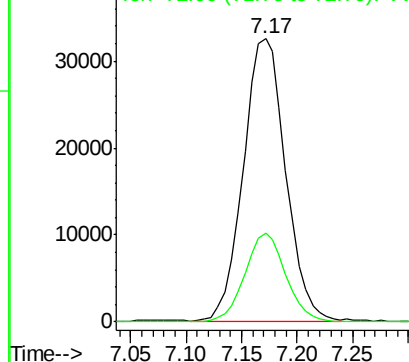
Ion Ratio Lower Upper

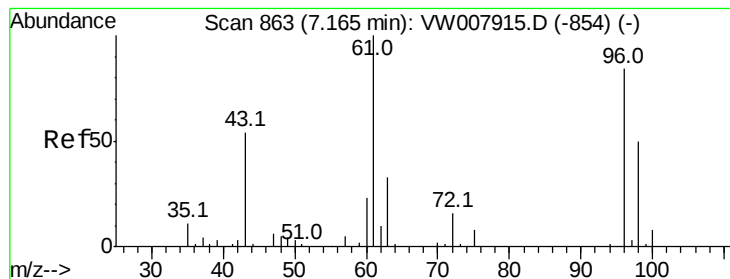
43 100

72 30.4 14.4 43.4



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



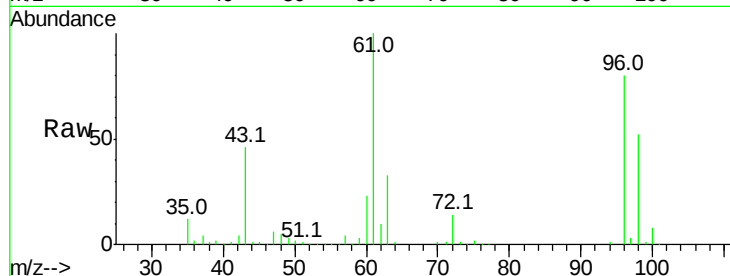


#22

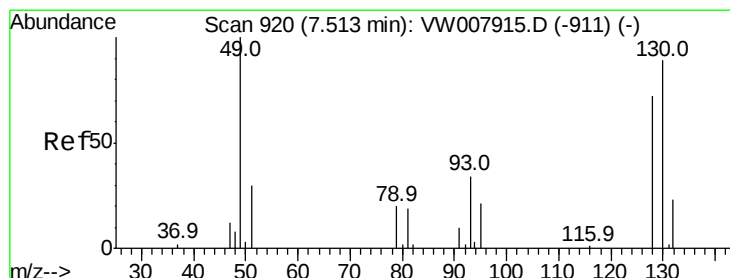
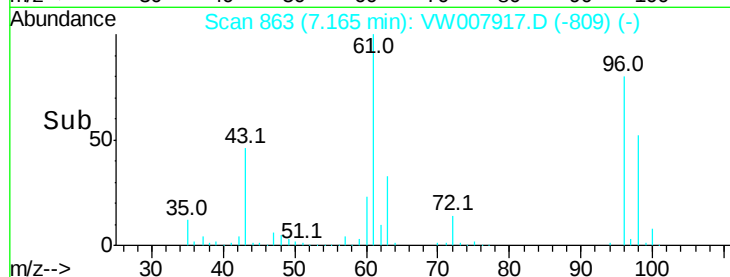
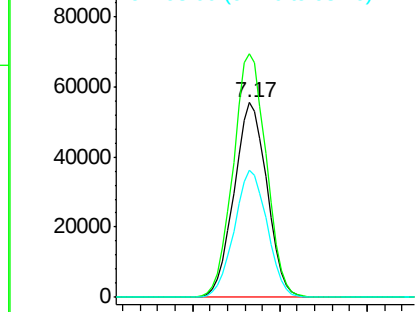
cis-1,2-Dichloroethene
Concen: 95.803 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW007917.D
Acq: 26 Dec 2018 10:43

Instrument :
MSVOA_W
ClientSampleId :
VSTD10085

Tgt Ion: 96 Resp: 145166
Ion Ratio Lower Upper
96 100
61 125.1 83.4 155.0
98 65.5 42.3 78.5



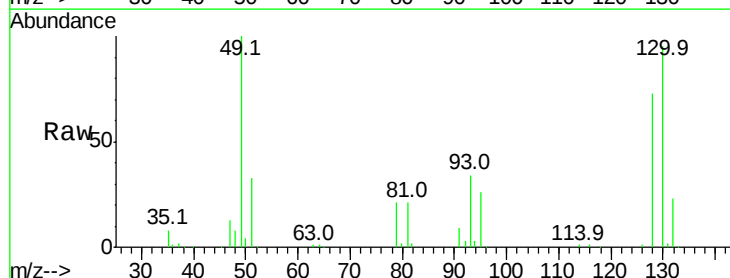
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



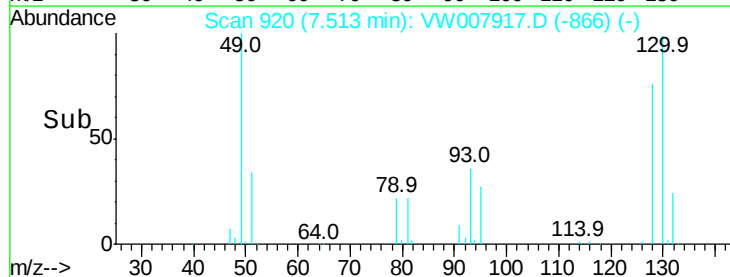
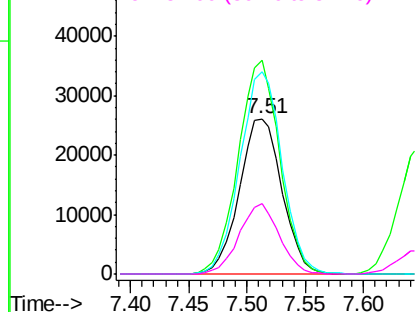
#23

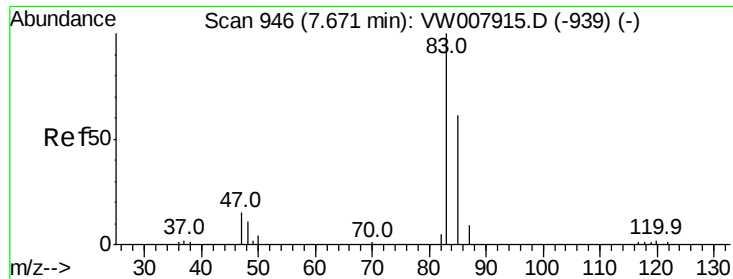
Bromochloromethane
Concen: 96.052 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW007917.D
Acq: 26 Dec 2018 10:43

Tgt Ion: 128 Resp: 66349
Ion Ratio Lower Upper
128 100
49 137.9 96.9 180.1
130 130.8 86.2 160.0
51 45.6 33.5 50.3



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

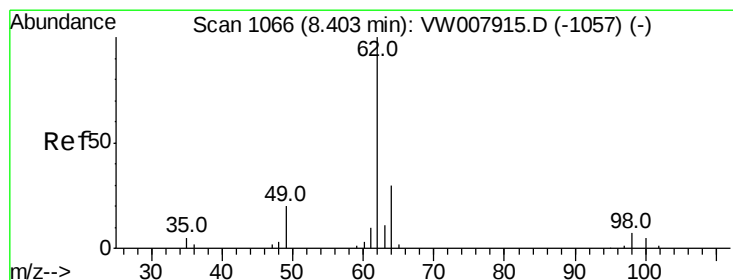
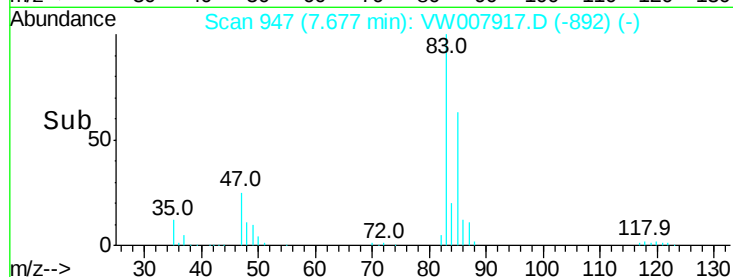
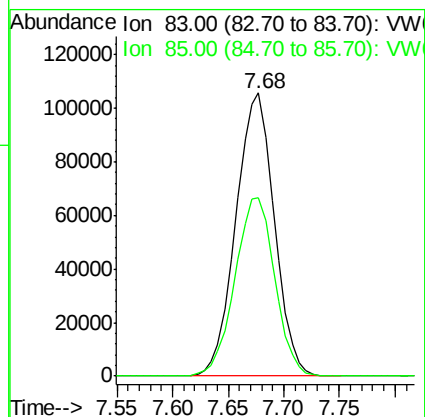
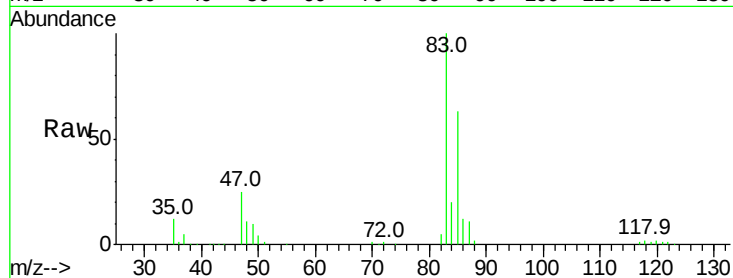




#25
Chloroform
Concen: 99.855 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW007917.D
Acq: 26 Dec 2018 10:43

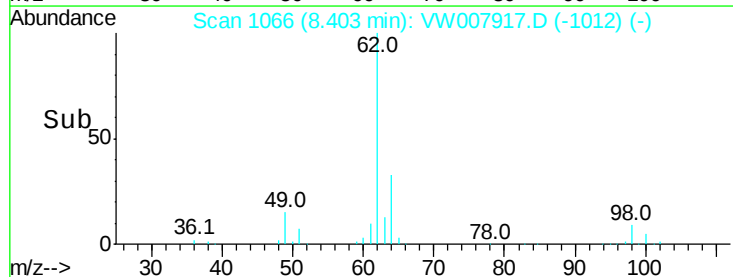
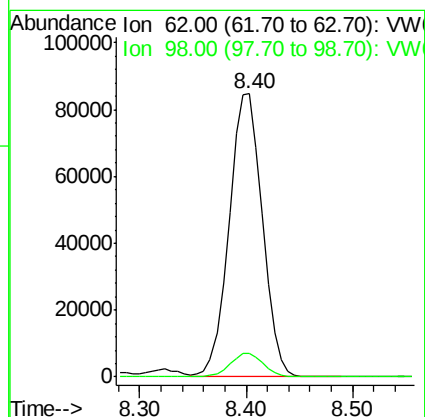
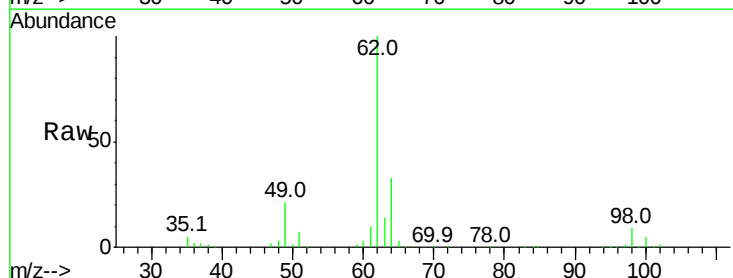
Instrument :
MSVOA_W
ClientSampleId :
VSTD10085

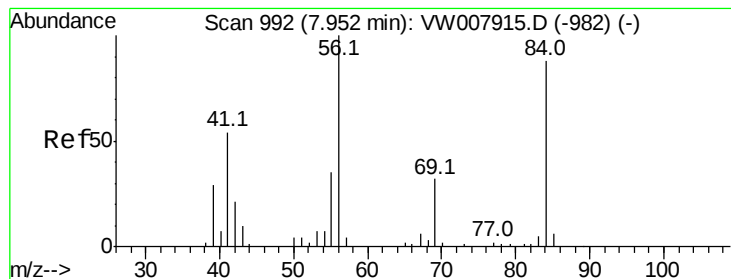
Tgt Ion: 83 Resp: 253594
Ion Ratio Lower Upper
83 100
85 65.4 45.8 85.2



#27
1,2-Dichloroethane
Concen: 102.217 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW007917.D
Acq: 26 Dec 2018 10:43

Tgt Ion: 62 Resp: 185567
Ion Ratio Lower Upper
62 100
98 8.5 5.4 8.2#





#30

Cyclohexane

Concen: 89.703 ug/L

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007917.D

Acq: 26 Dec 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD10085

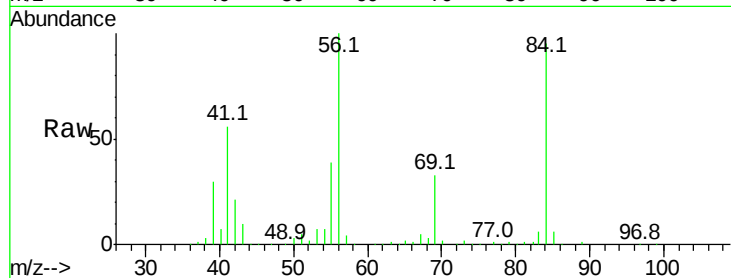
Tgt Ion: 56 Resp: 209506

Ion Ratio Lower Upper

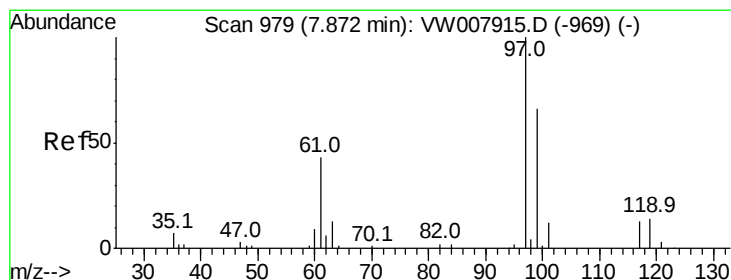
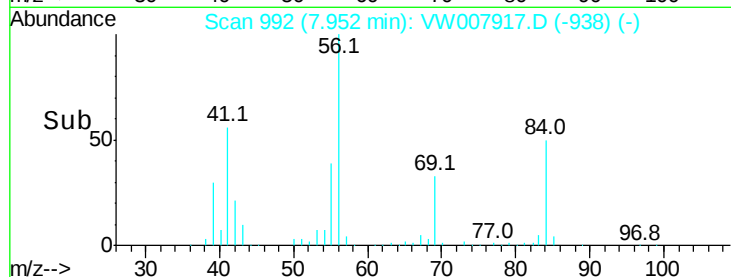
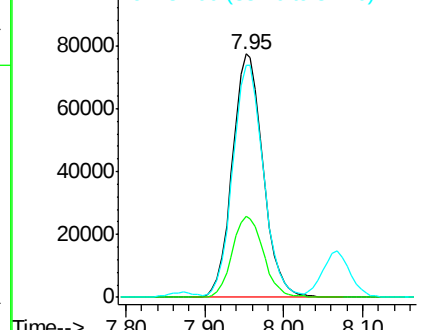
56 100

69 33.8 26.2 39.4

84 95.7 74.3 111.5



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#31

1,1,1-Trichloroethane

Concen: 100.948 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW007917.D

Acq: 26 Dec 2018 10:43

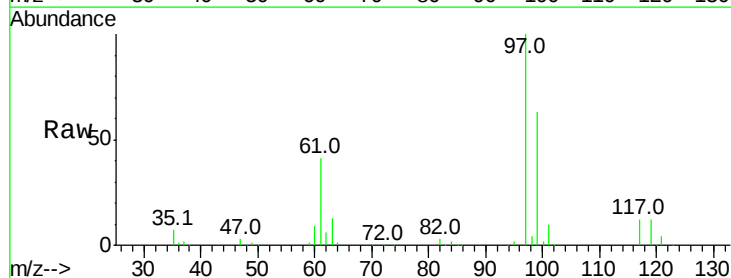
Tgt Ion: 97 Resp: 231309

Ion Ratio Lower Upper

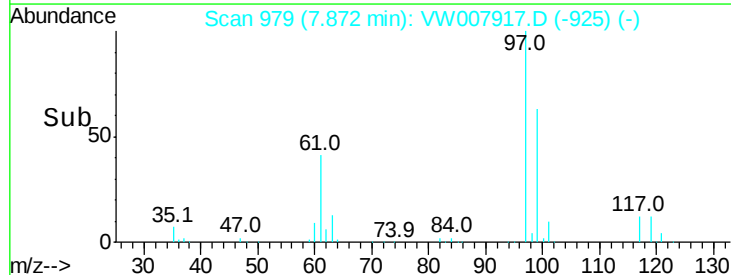
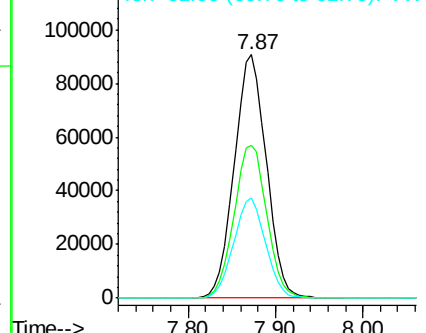
97 100

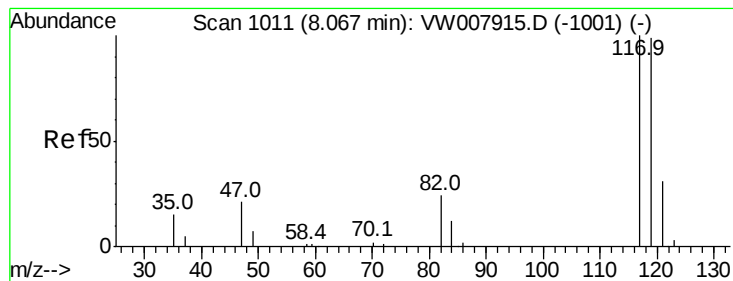
99 64.1 52.3 78.5

61 41.0 33.5 50.3



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





#32

Carbon tetrachloride

Concen: 102.293 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW007917.D

Acq: 26 Dec 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

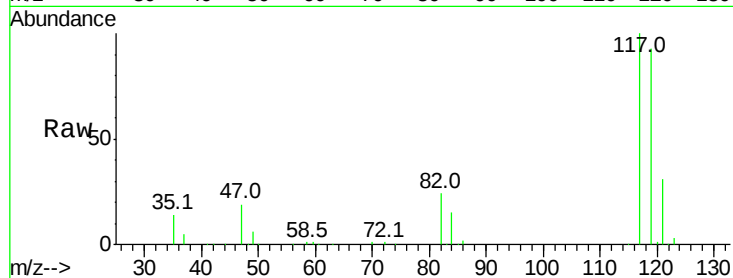
VSTD10085

Tgt Ion:117 Resp: 226504

Ion Ratio Lower Upper

117 100

119 95.5 76.0 114.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

100000

80000

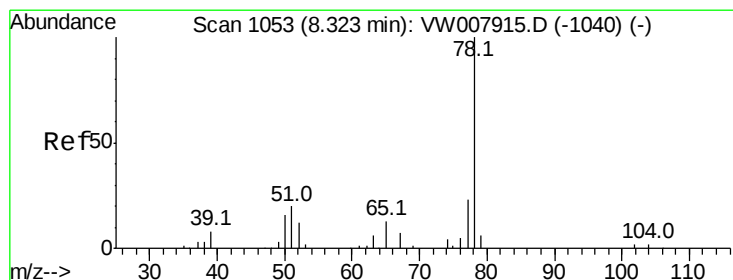
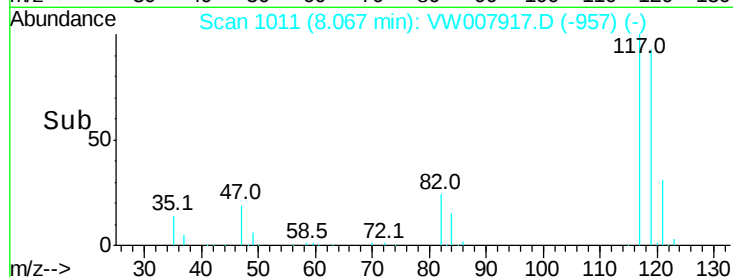
60000

40000

20000

0

Time-->



#34

Benzene

Concen: 90.885 ug/L

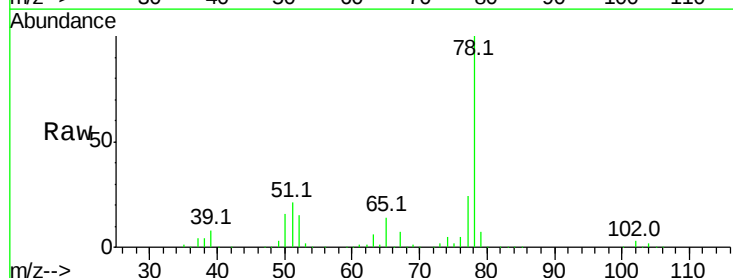
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW007917.D

Acq: 26 Dec 2018 10:43

Tgt Ion: 78 Resp: 507170



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

250000

200000

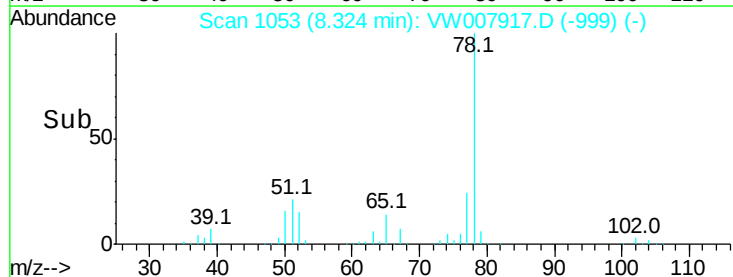
150000

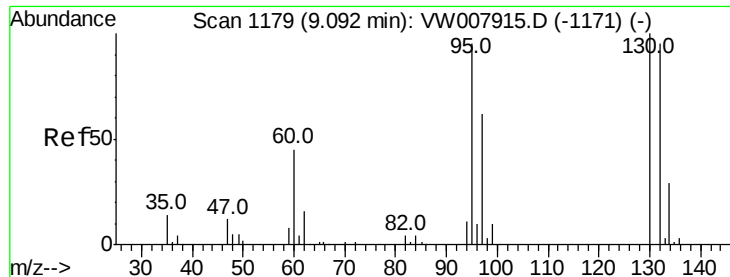
100000

50000

0

Time-->





#35

Trichloroethene

Concen: 92.713 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW007917.D

Acq: 26 Dec 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD10085

Tgt Ion: 95 Resp: 148355

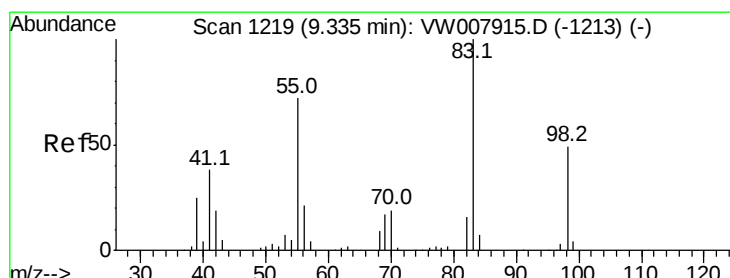
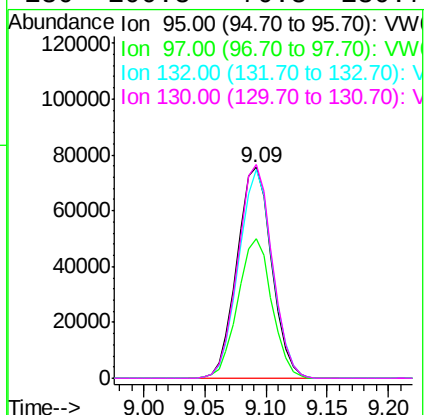
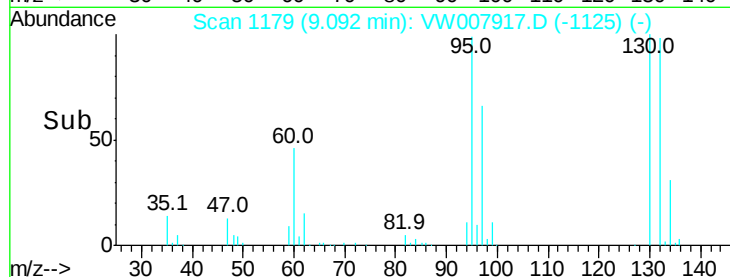
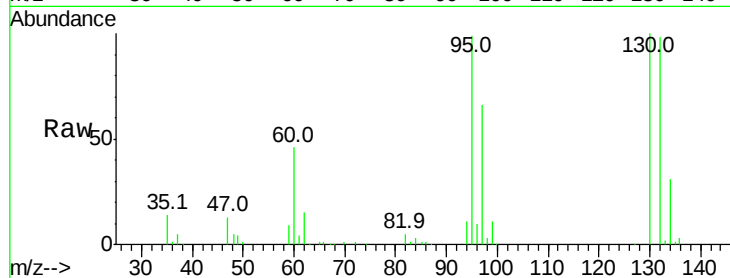
Ion Ratio Lower Upper

95 100

97 65.2 44.4 82.5

132 96.7 67.8 126.0

130 100.8 70.3 130.7



#36

Methylcyclohexane

Concen: 92.481 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW007917.D

Acq: 26 Dec 2018 10:43

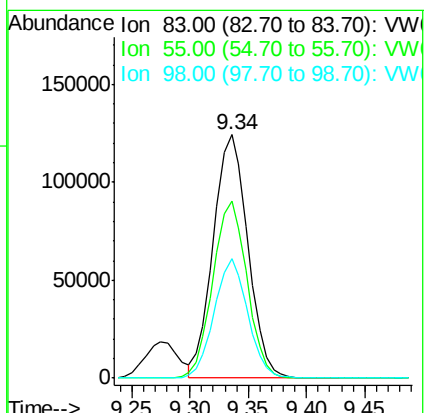
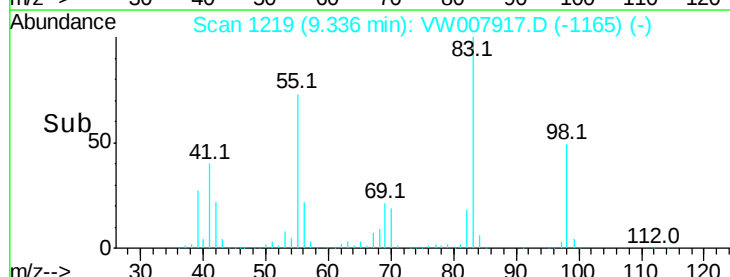
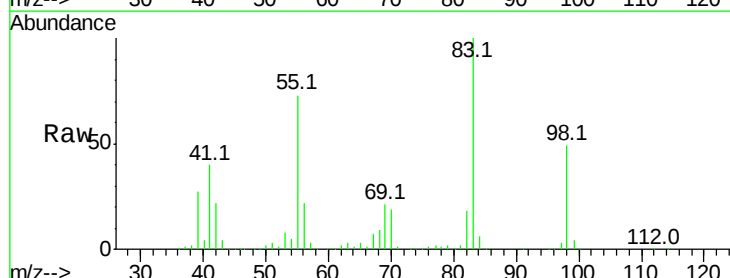
Tgt Ion: 83 Resp: 255463

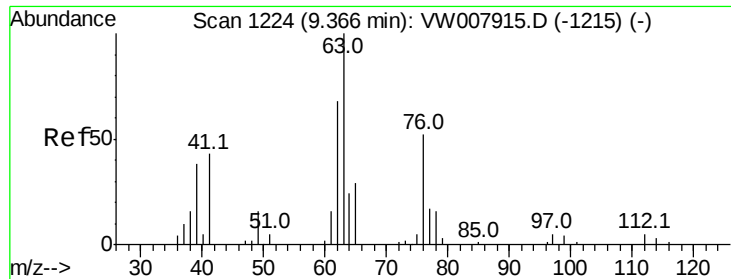
Ion Ratio Lower Upper

83 100

55 71.9 59.4 89.0

98 47.5 38.2 57.2

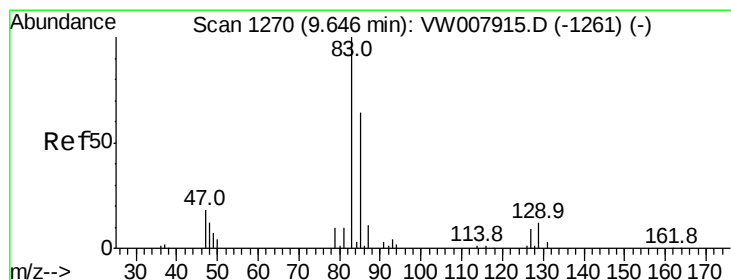
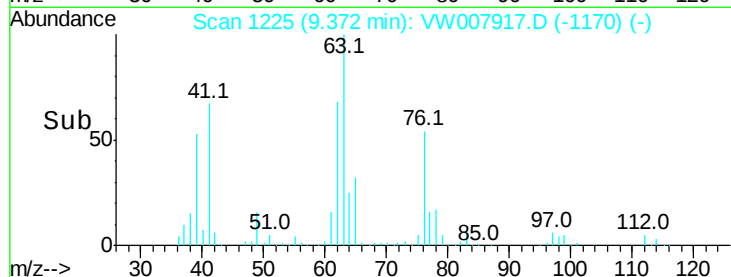
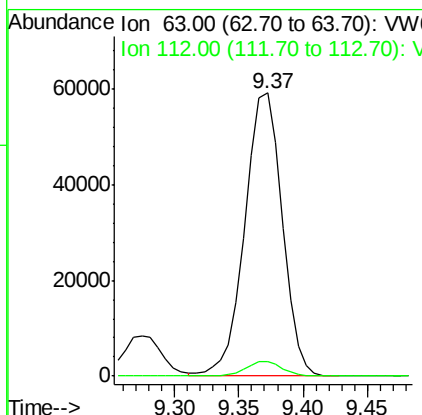
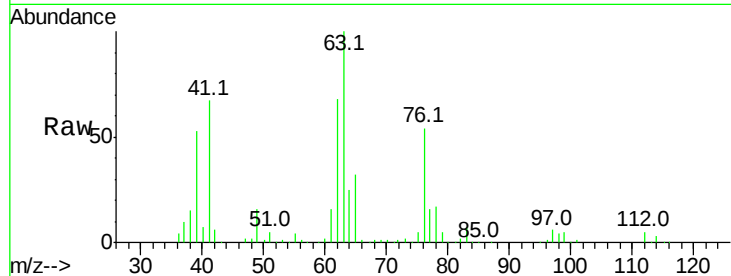




#40
 1,2-Dichloropropane
 Concen: 87.343 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW007917.D
 Acq: 26 Dec 2018 10:43

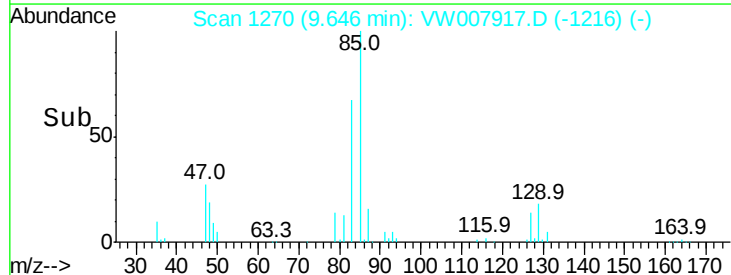
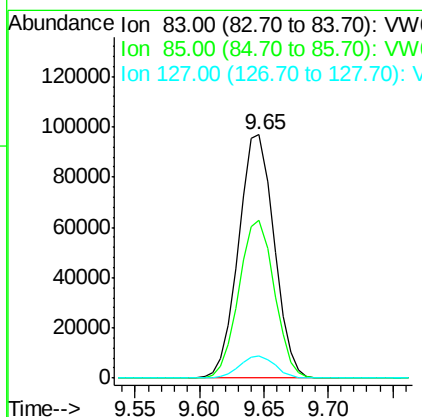
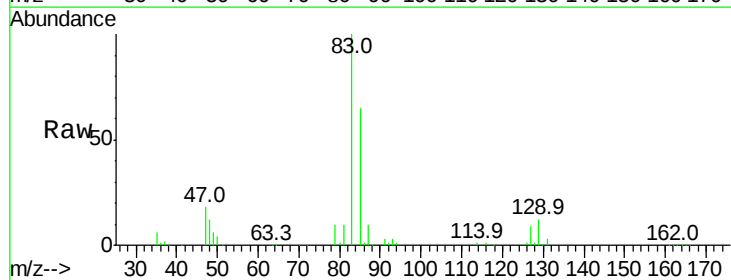
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10085

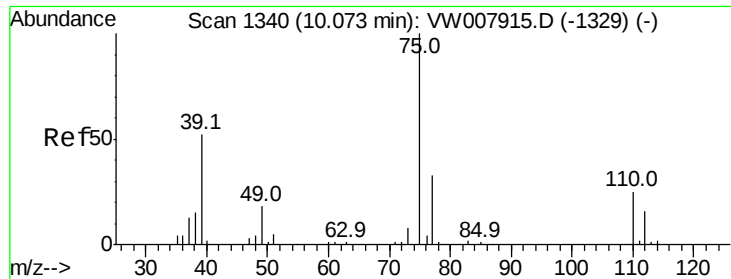
Tgt Ion: 63 Resp: 119224
 Ion Ratio Lower Upper
 63 100
 112 4.9 3.7 5.5



#41
 Bromodichloromethane
 Concen: 94.783 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW007917.D
 Acq: 26 Dec 2018 10:43

Tgt Ion: 83 Resp: 185774
 Ion Ratio Lower Upper
 83 100
 85 64.6 44.4 82.5
 127 9.1 7.0 10.6





#42

cis-1,3-Dichloropropene

Concen: 95.158 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW007917.D

Acq: 26 Dec 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

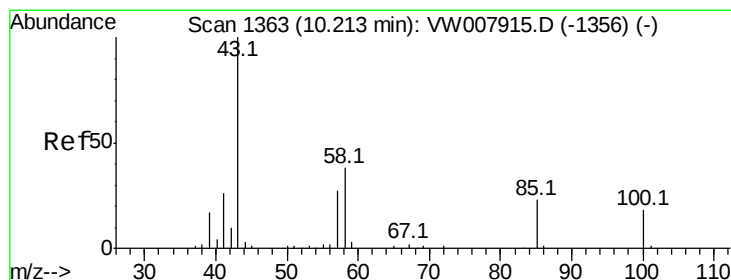
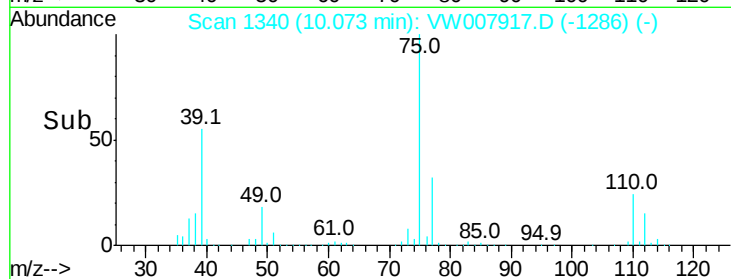
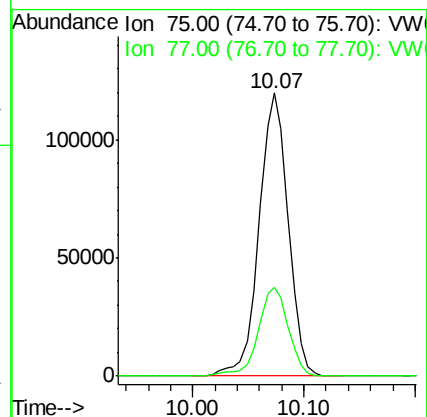
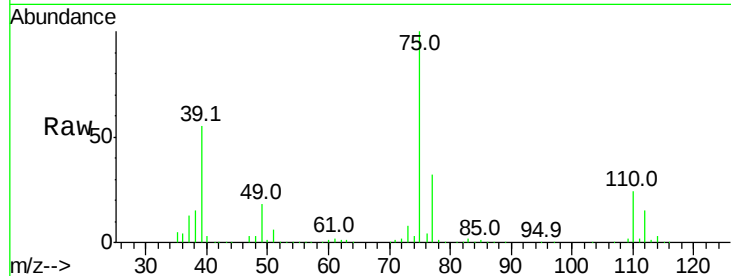
VSTD10085

Tgt Ion: 75 Resp: 218139

Ion Ratio Lower Upper

75 100

77 31.6 23.0 42.8



#43

4-Methyl-2-pentanone

Concen: 153.666 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW007917.D

Acq: 26 Dec 2018 10:43

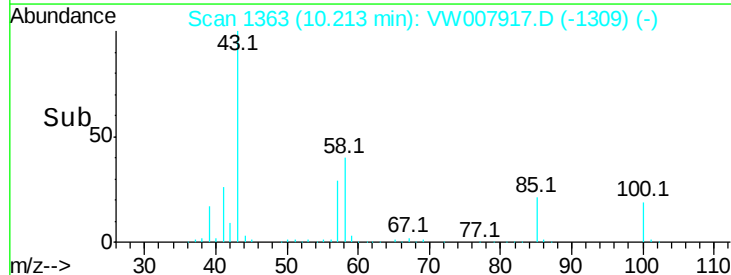
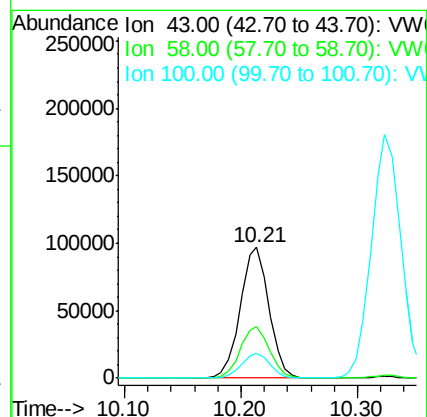
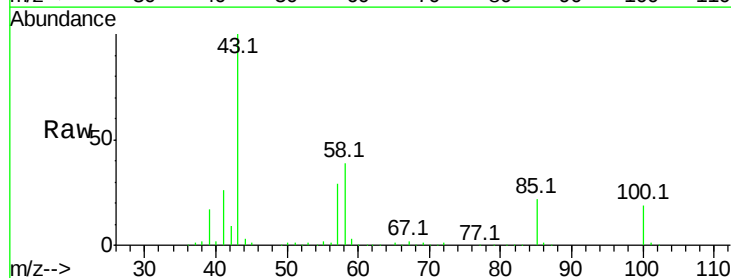
Tgt Ion: 43 Resp: 166024

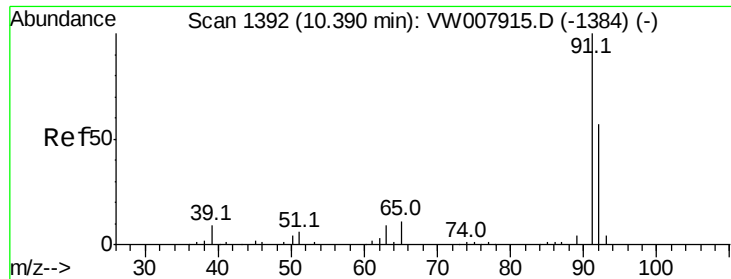
Ion Ratio Lower Upper

43 100

58 39.9 31.1 46.7

100 18.9 14.0 21.0





#44

Toluene

Concen: 94.386 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007917.D

Acq: 26 Dec 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

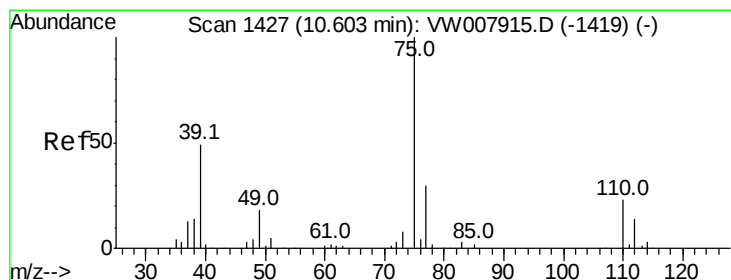
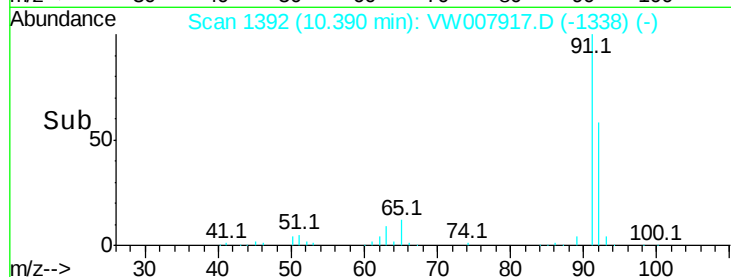
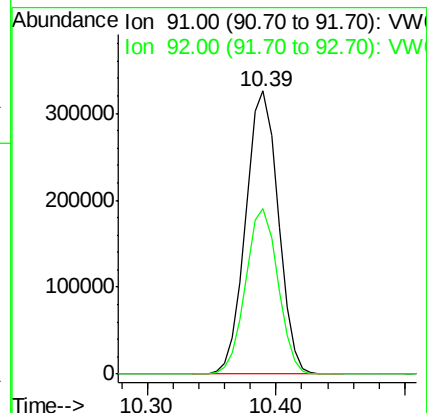
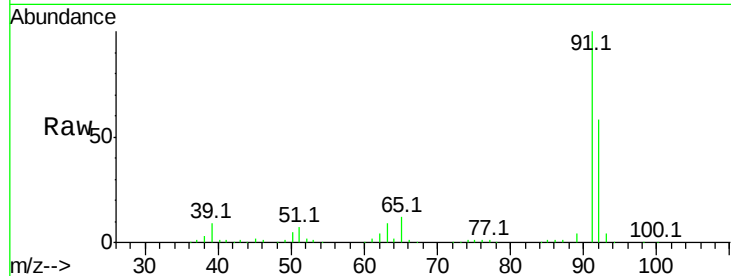
VSTD10085

Tgt Ion: 91 Resp: 567709

Ion Ratio Lower Upper

91 100

92 58.5 39.6 73.6



#45

trans-1,3-Dichloropropene

Concen: 98.946 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW007917.D

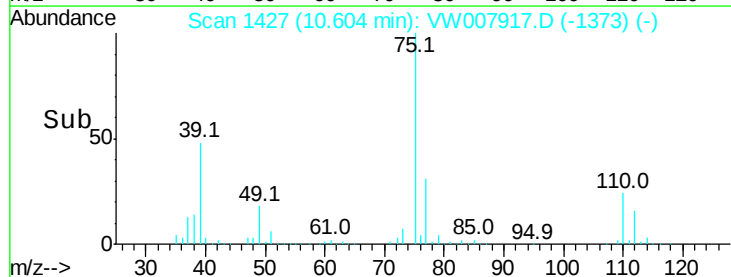
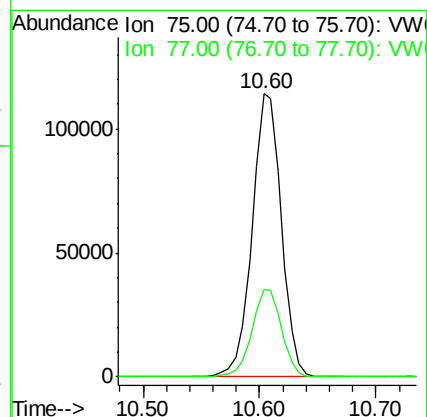
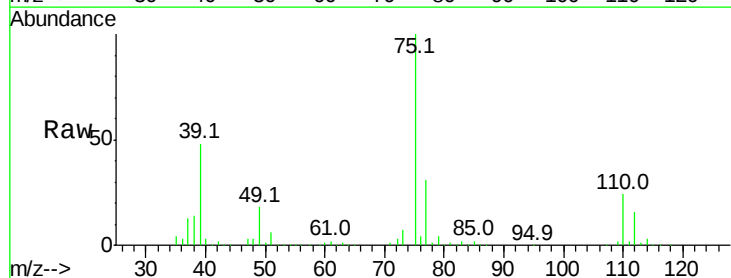
Acq: 26 Dec 2018 10:43

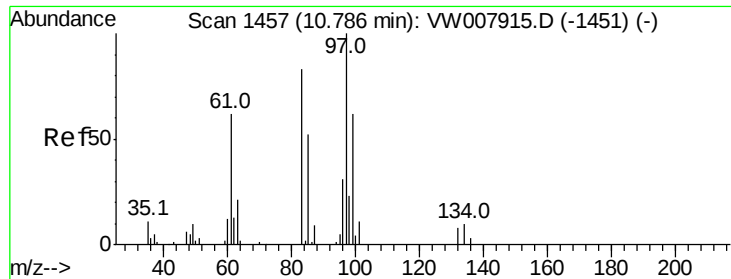
Tgt Ion: 75 Resp: 199191

Ion Ratio Lower Upper

75 100

77 31.0 21.1 39.3





#46

1,1,2-Trichloroethane

Concen: 89.655 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW007917.D

Acq: 26 Dec 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD10085

Tgt Ion: 97 Resp: 100770

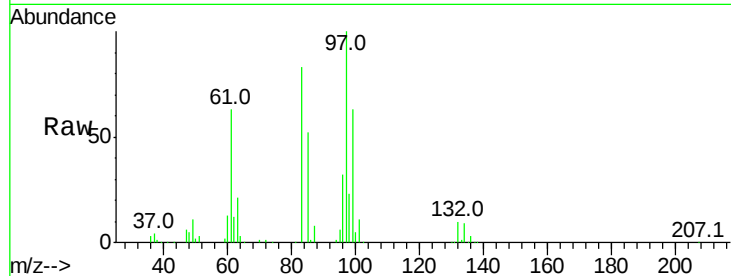
Ion Ratio Lower Upper

97 100

83 83.2 58.4 108.6

85 52.5 36.4 67.6

99 63.0 43.8 81.3

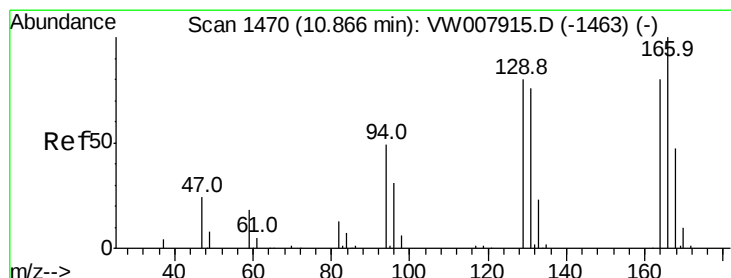
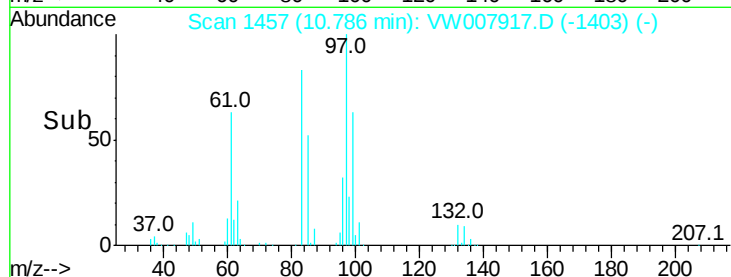
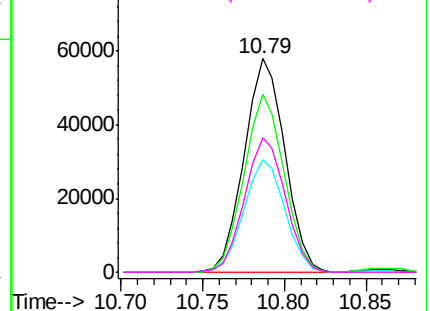


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 96.285 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW007917.D

Acq: 26 Dec 2018 10:43

Tgt Ion: 164 Resp: 116382

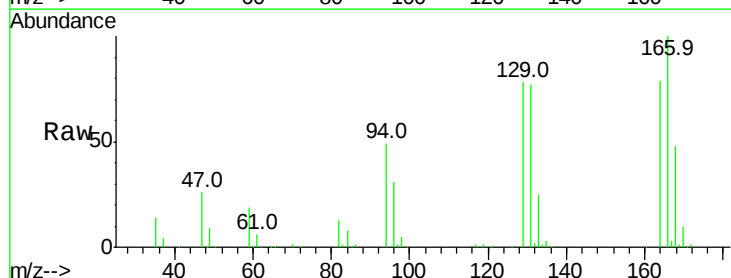
Ion Ratio Lower Upper

164 100

129 98.3 70.6 131.2

131 97.0 66.5 123.5

166 126.1 87.7 162.9

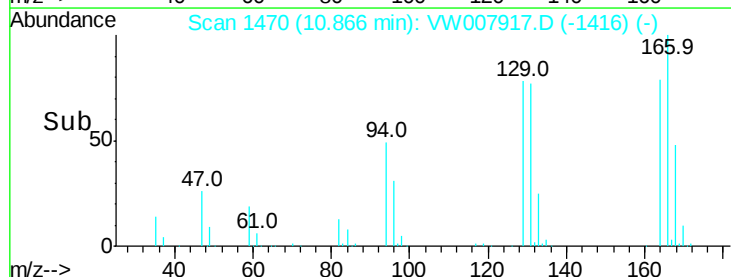
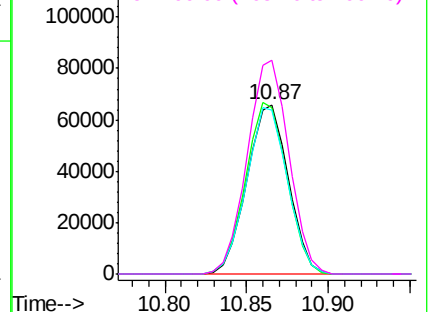


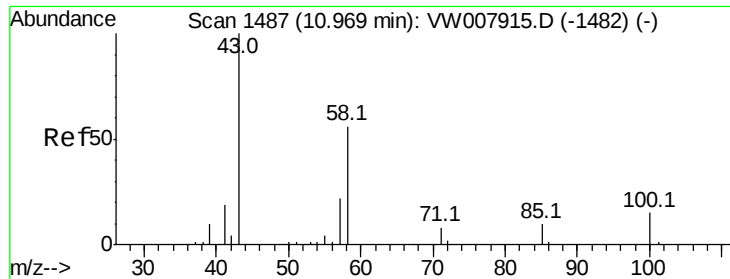
Abundance Ion 164.00 (163.70 to 164.70): V

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: 160.504 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW007917.D

Acq: 26 Dec 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD10085

Tgt Ion: 43 Resp: 121879

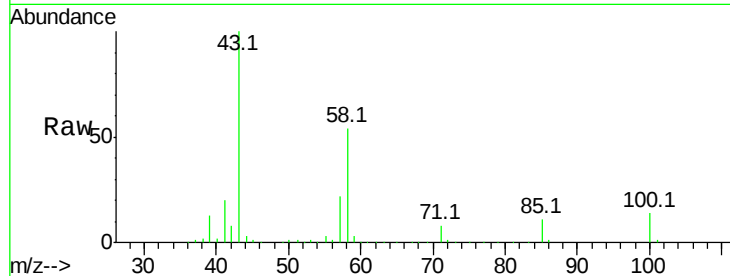
Ion Ratio Lower Upper

43 100

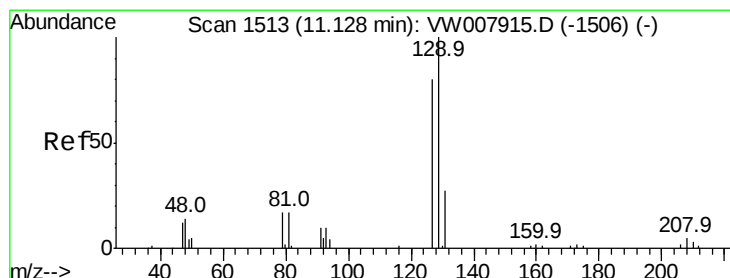
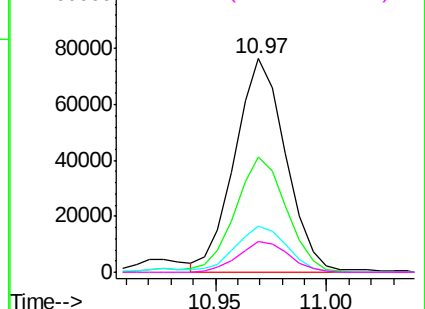
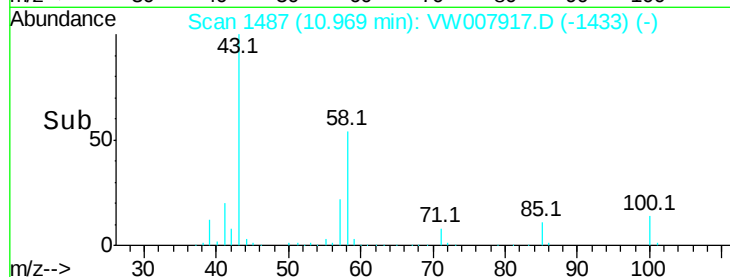
58 54.3 46.2 69.4

57 21.9 17.9 26.9

100 14.3 11.4 17.2



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: 97.434 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW007917.D

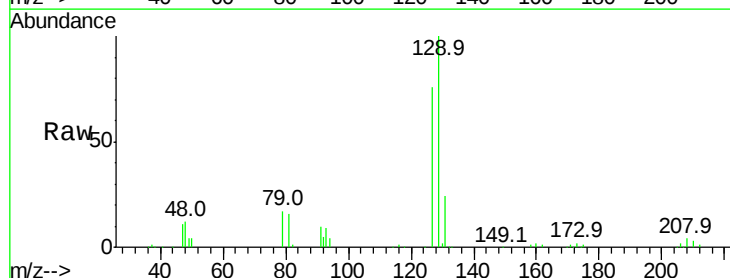
Acq: 26 Dec 2018 10:43

Tgt Ion: 129 Resp: 134536

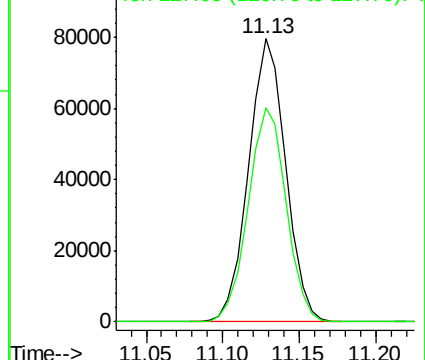
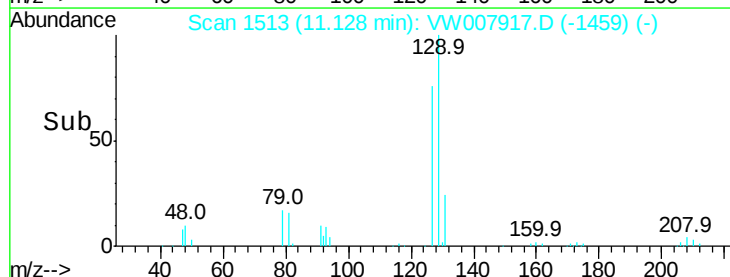
Ion Ratio Lower Upper

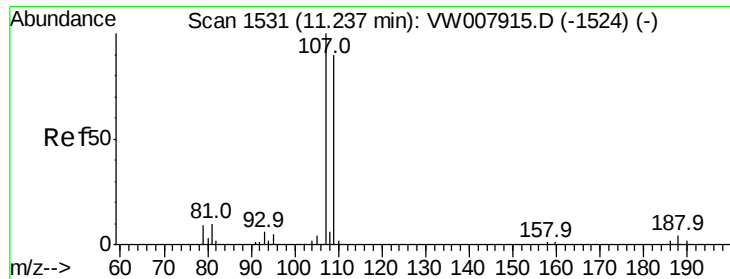
129 100

127 75.9 55.8 103.6



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

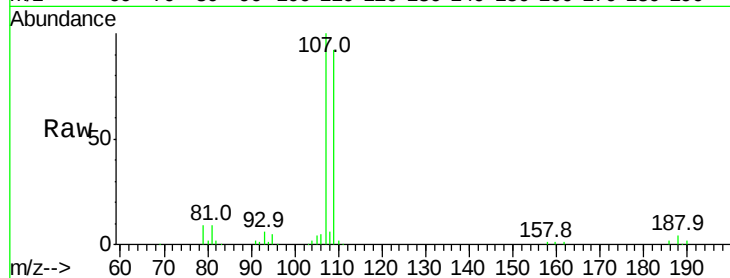




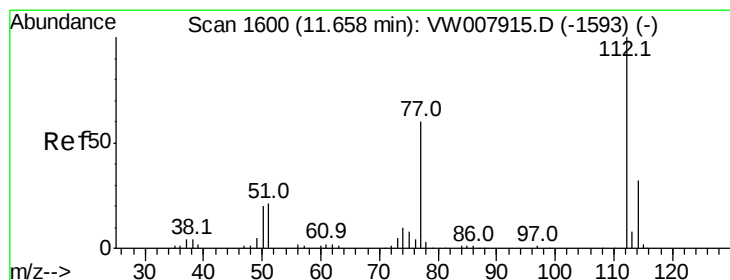
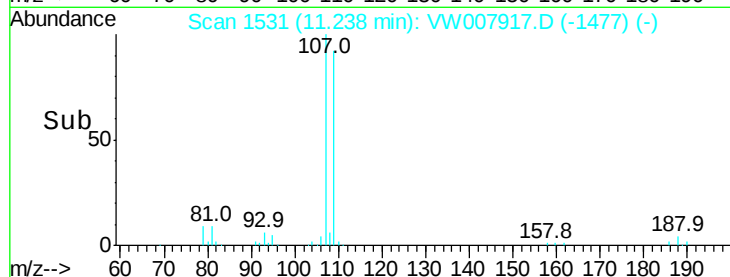
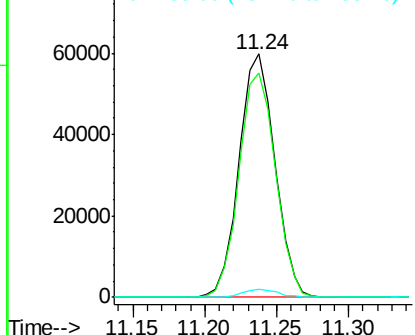
#51
1,2-Dibromoethane
Concen: 91.466 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW007917.D
Acq: 26 Dec 2018 10:43

Instrument :
MSVOA_W
ClientSampleId :
VSTD10085

Tgt Ion:107 Resp: 103250
Ion Ratio Lower Upper
107 100
109 92.1 63.2 117.4
188 3.5 3.1 4.7

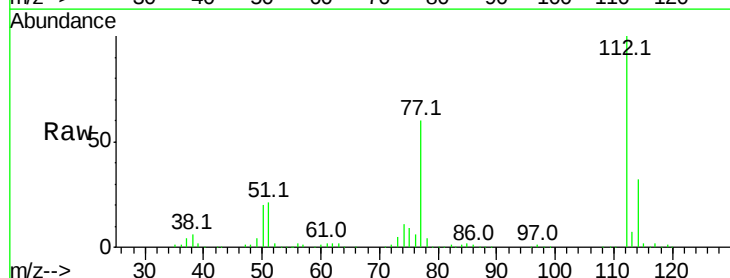


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

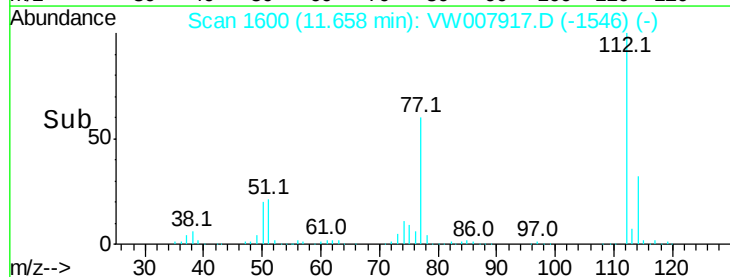
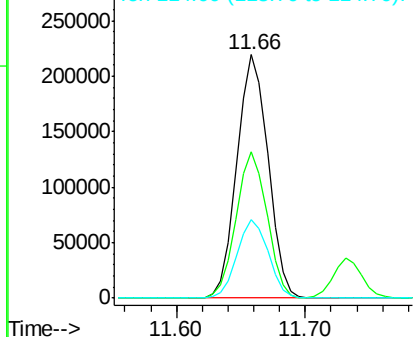


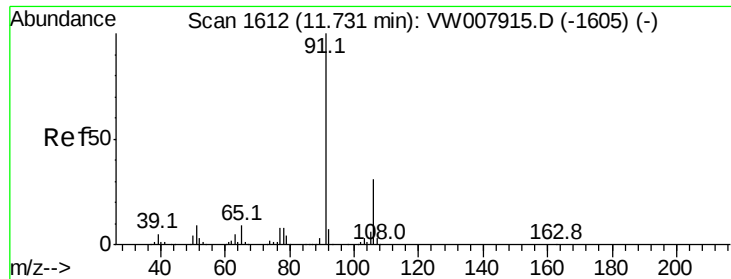
#52
Chlorobenzene
Concen: 94.144 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW007917.D
Acq: 26 Dec 2018 10:43

Tgt Ion:112 Resp: 367502
Ion Ratio Lower Upper
112 100
77 59.9 47.8 71.6
114 32.0 22.2 41.2



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 97.282 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW007917.D

Acq: 26 Dec 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

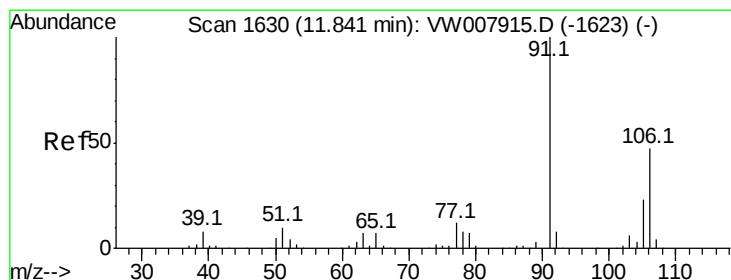
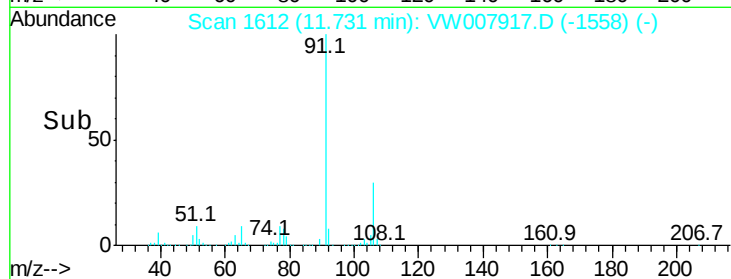
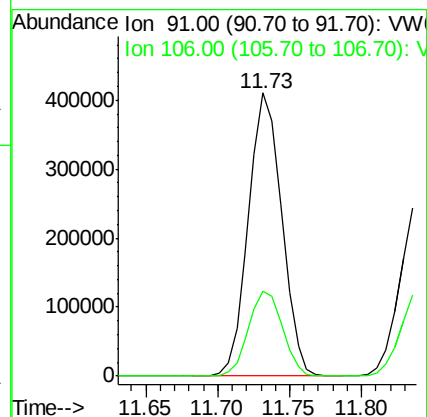
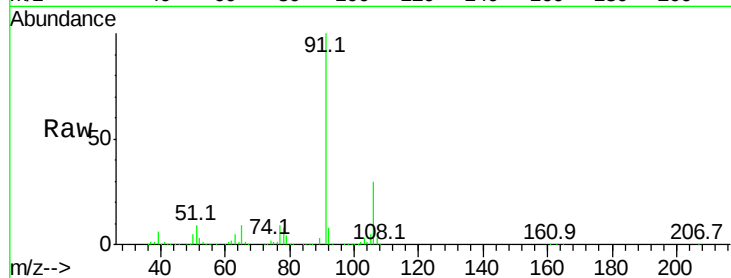
VSTD10085

Tgt Ion: 91 Resp: 657942

Ion Ratio Lower Upper

91 100

106 30.1 21.5 39.9



#54

m,p-Xylene

Concen: 97.073 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW007917.D

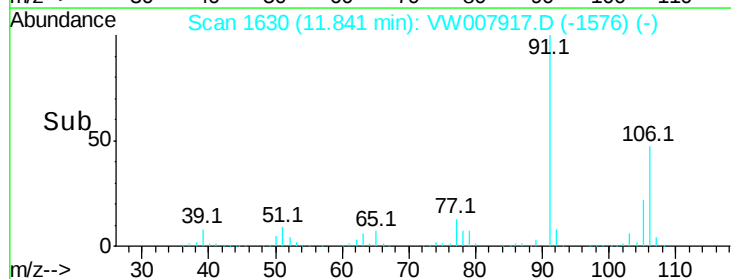
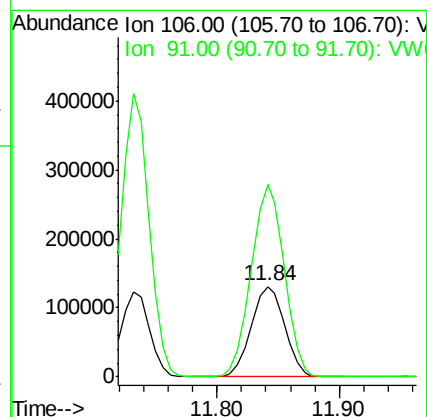
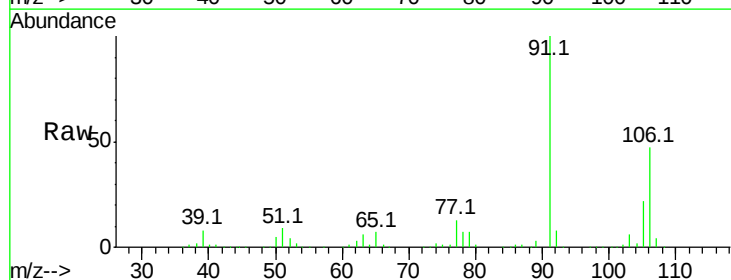
Acq: 26 Dec 2018 10:43

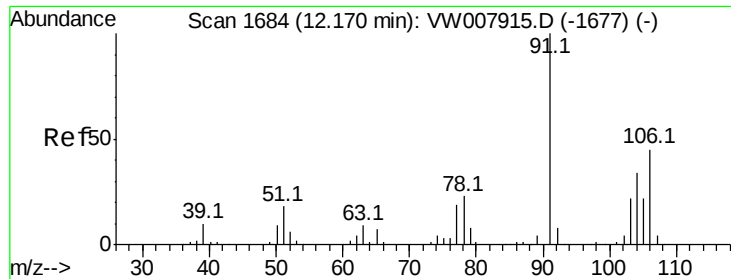
Tgt Ion: 106 Resp: 249397

Ion Ratio Lower Upper

106 100

91 213.2 147.8 274.4

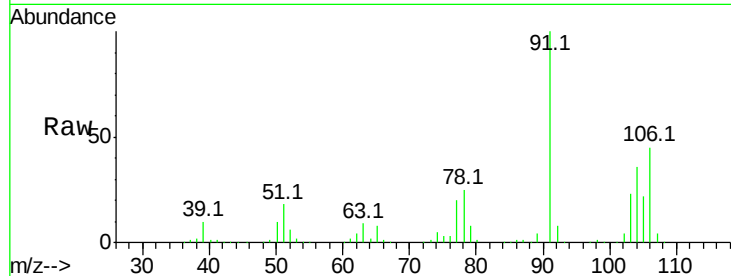




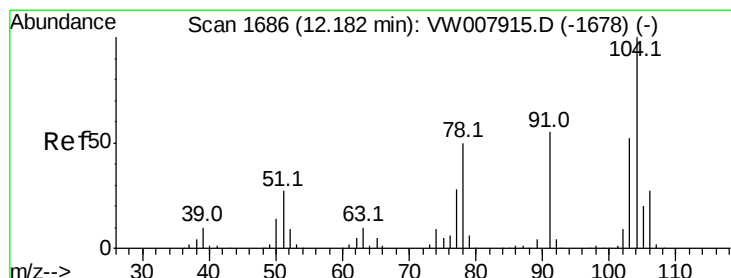
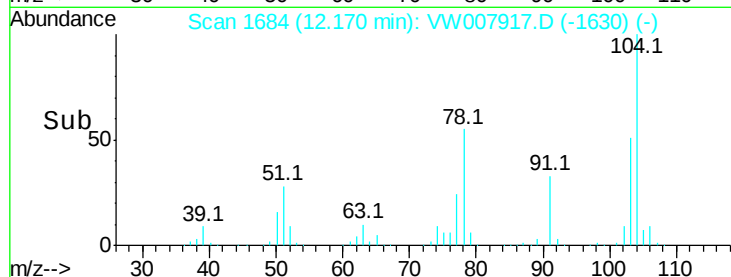
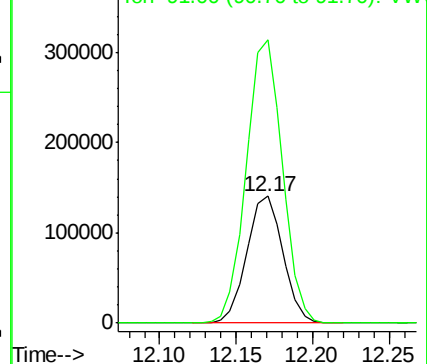
#55
o-xylene
Concen: 94.922 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007917.D
Acq: 26 Dec 2018 10:43

Instrument :
MSVOA_W
ClientSampleId :
VSTD10085

Tgt Ion:106 Resp: 230466
Ion Ratio Lower Upper
106 100
91 223.2 156.0 289.6

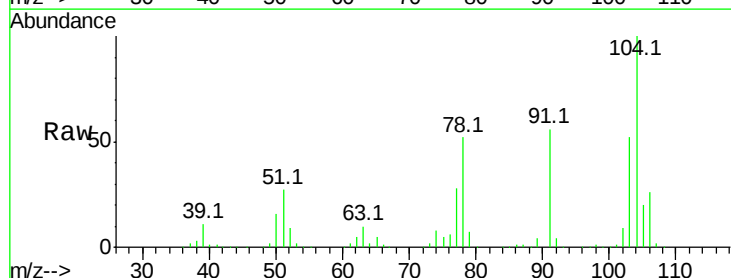


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

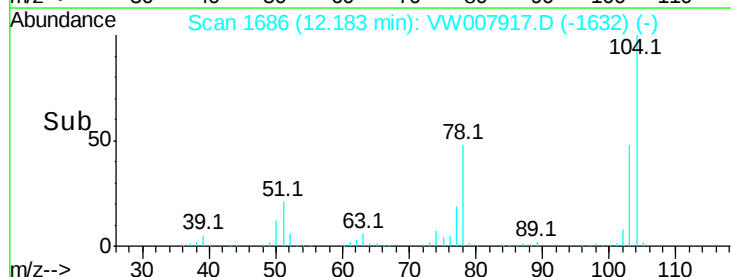
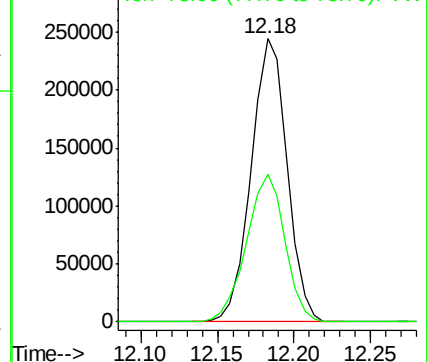


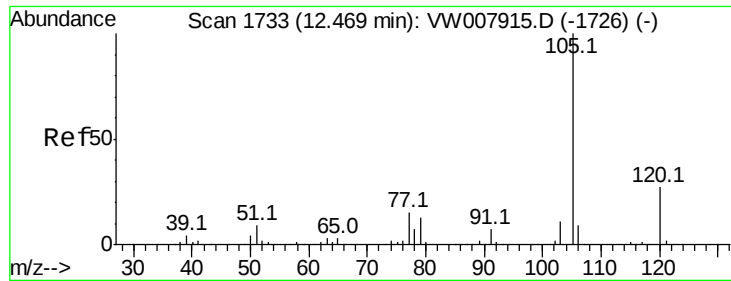
#56
Styrene
Concen: 96.010 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007917.D
Acq: 26 Dec 2018 10:43

Tgt Ion:104 Resp: 399582
Ion Ratio Lower Upper
104 100
78 52.0 34.6 64.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 98.051 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW007917.D

Acq: 26 Dec 2018 10:43

Instrument :

MSVOA_W

ClientSampled :

VSTD10085

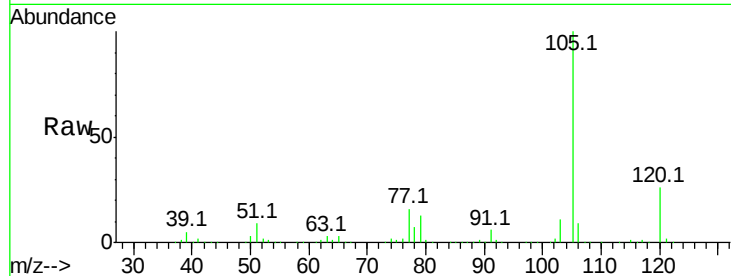
Tgt Ion: 105 Resp: 664431

Ion Ratio Lower Upper

105 100

120 25.7 21.1 31.7

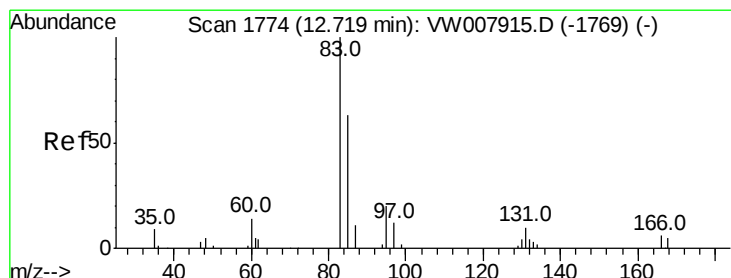
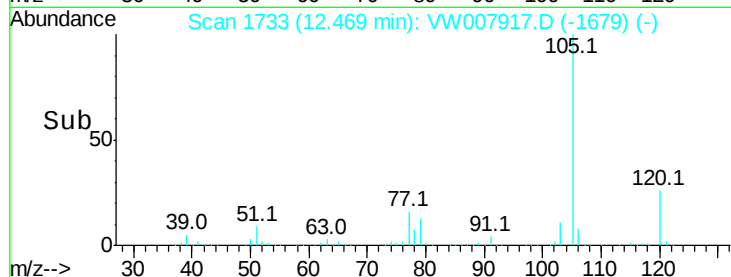
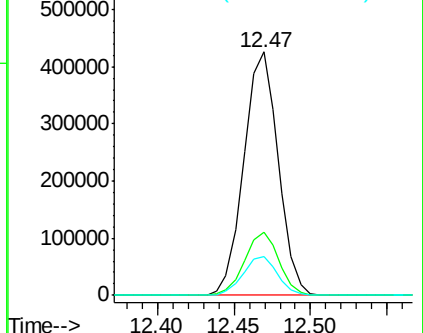
77 15.9 12.4 18.6



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: 83.823 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW007917.D

Acq: 26 Dec 2018 10:43

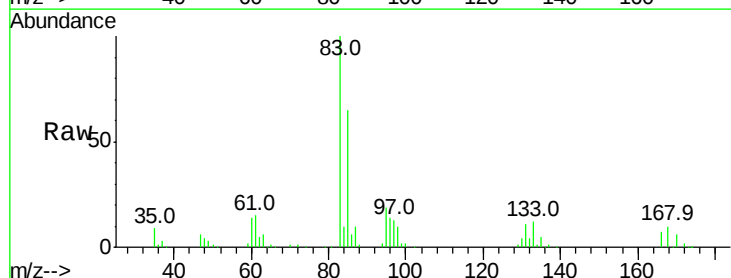
Tgt Ion: 83 Resp: 116796

Ion Ratio Lower Upper

83 100

85 65.3 46.6 86.6

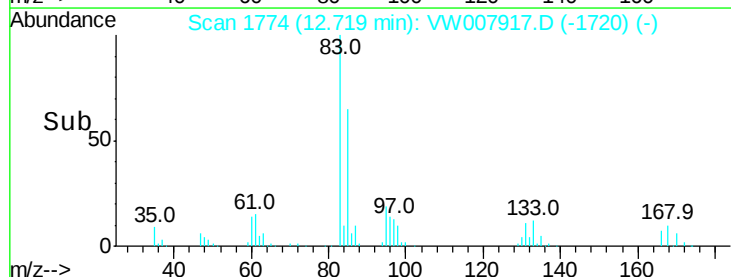
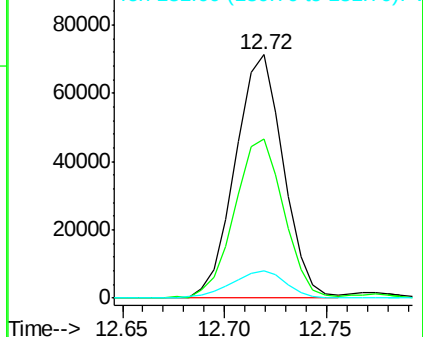
131 11.4 9.7 14.5

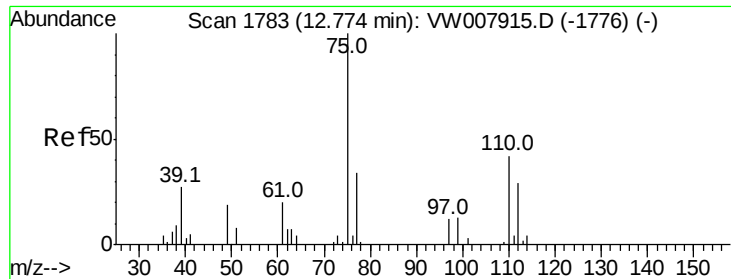


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 84.649 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW007917.D

Acq: 26 Dec 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

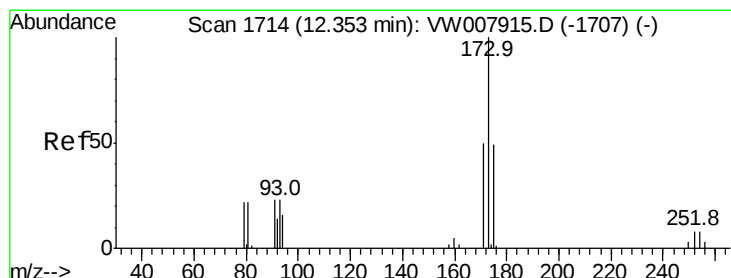
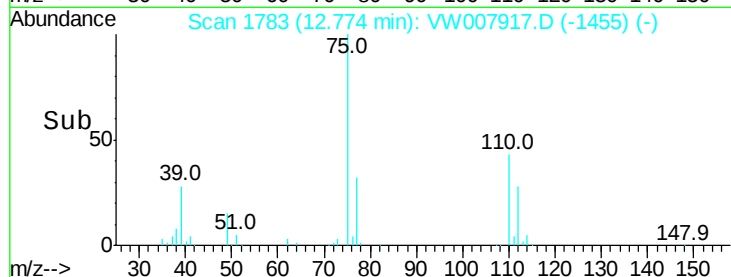
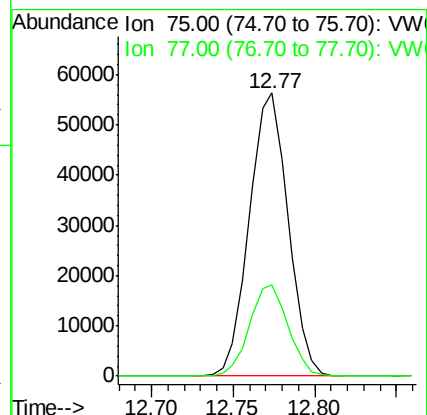
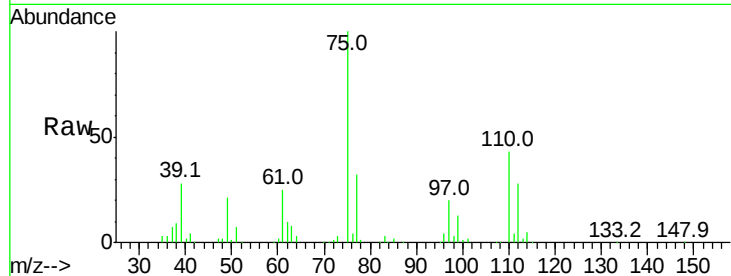
VSTD10085

Tgt Ion: 75 Resp: 93362

Ion Ratio Lower Upper

75 100

77 32.2 25.5 38.3



#62

Bromoform

Concen: 93.349 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW007917.D

Acq: 26 Dec 2018 10:43

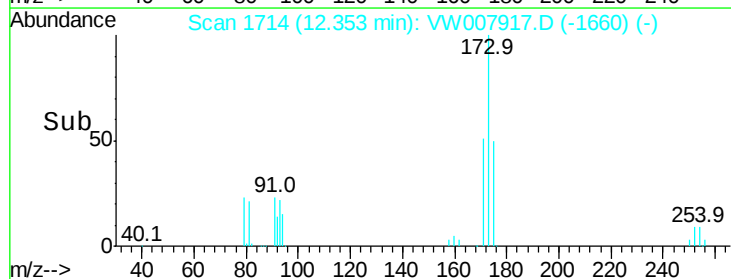
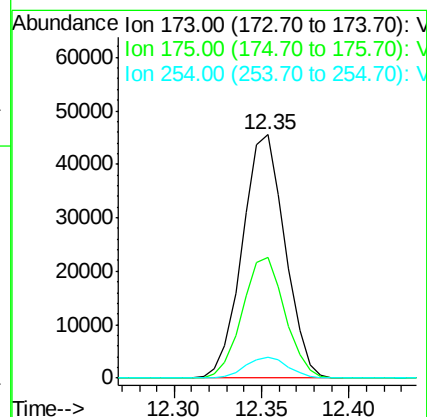
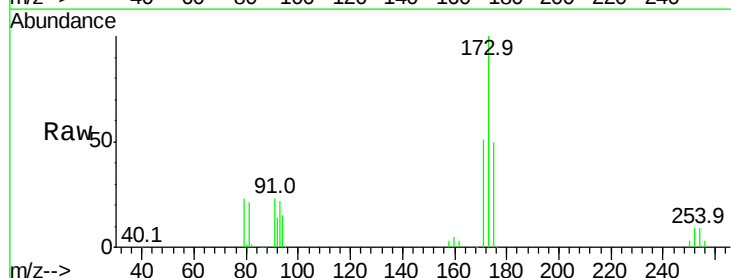
Tgt Ion: 173 Resp: 77254

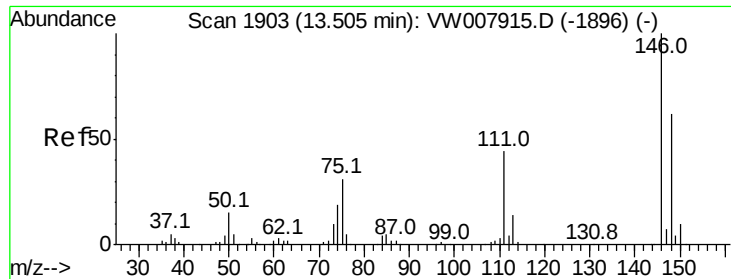
Ion Ratio Lower Upper

173 100

175 49.4 39.0 58.4

254 8.7 5.8 8.8





#63

1,3-Dichlorobenzene

Concen: 94.807 ug/L

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW007917.D

Acq: 26 Dec 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD10085

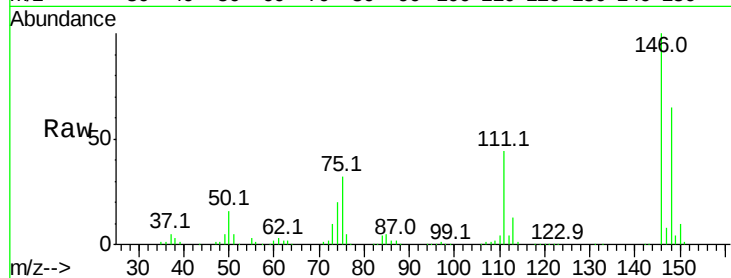
Tgt Ion:146 Resp: 294336

Ion Ratio Lower Upper

146 100

111 43.5 31.0 57.6

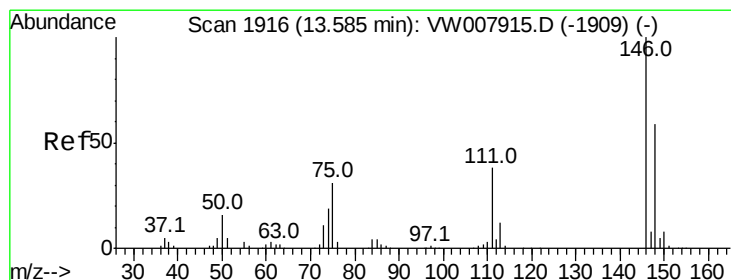
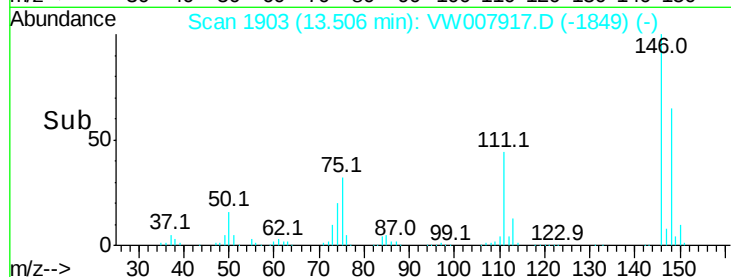
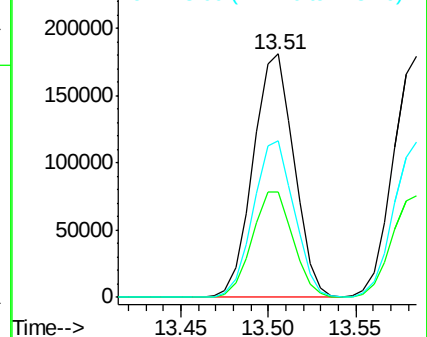
148 64.5 43.6 81.0



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: 94.055 ug/L

RT: 13.58 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VW007917.D

Acq: 26 Dec 2018 10:43

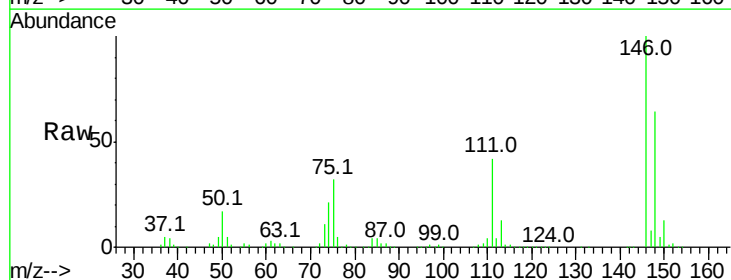
Tgt Ion:146 Resp: 291099

Ion Ratio Lower Upper

146 100

111 41.8 26.9 49.9

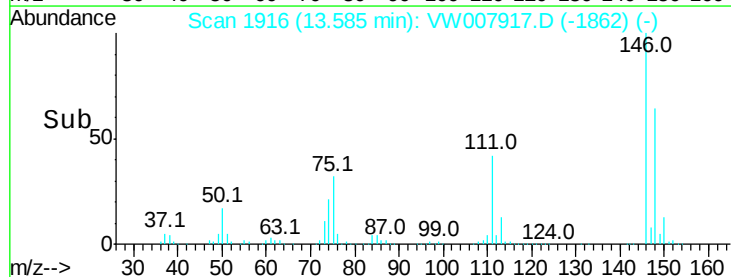
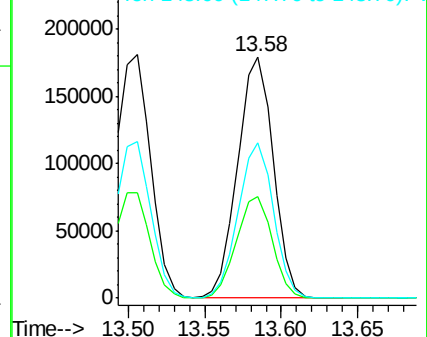
148 64.2 41.6 77.3

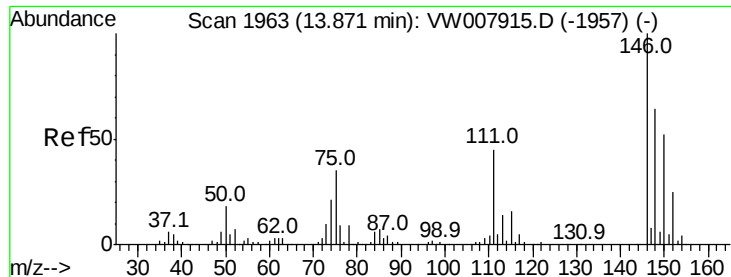


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 93.661 ug/L

RT: 13.88 min Scan# 1964

Delta R.T. 0.01 min

Lab File: VW007917.D

Acq: 26 Dec 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD10085

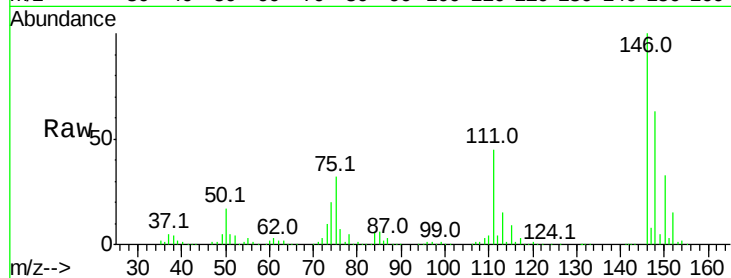
Tgt Ion:146 Resp: 260232

Ion Ratio Lower Upper

146 100

111 45.2 36.4 54.6

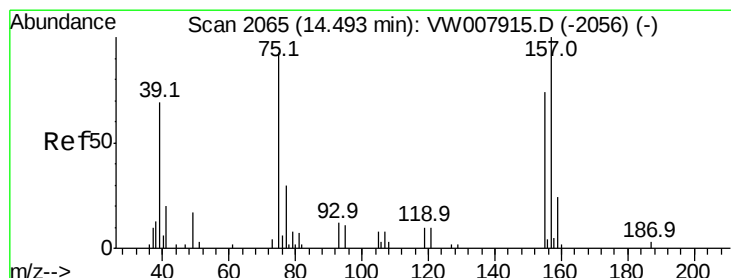
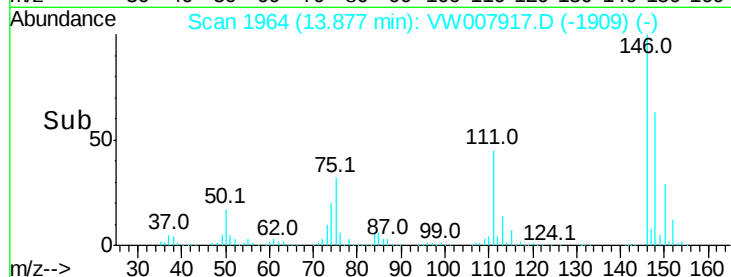
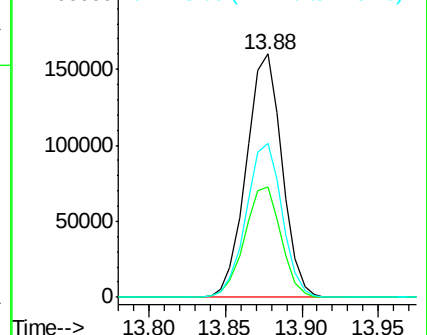
148 63.4 51.0 76.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 85.228 ug/L

RT: 14.49 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VW007917.D

Acq: 26 Dec 2018 10:43

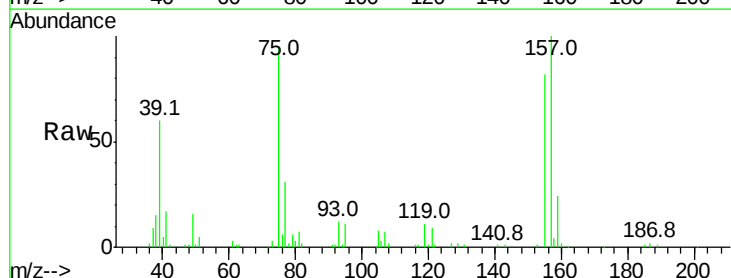
Tgt Ion: 75 Resp: 25081

Ion Ratio Lower Upper

75 100

157 105.5 85.6 128.4

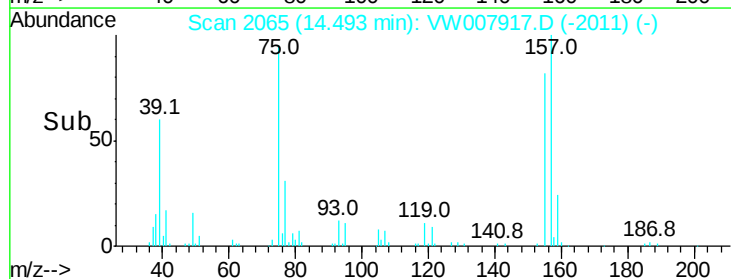
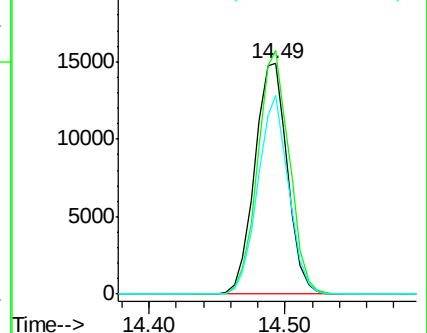
155 86.1 63.4 95.0

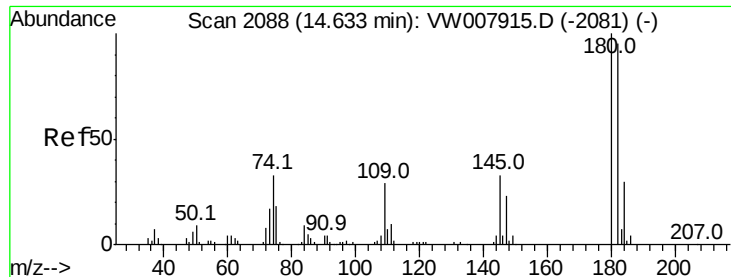


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

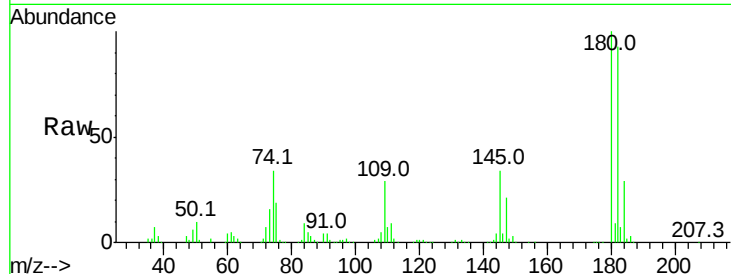




#67
 1,3,5-Trichlorobenzene
 Concen: 94.051 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW007917.D
 Acq: 26 Dec 2018 10:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10085

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.6	75.0	112.4
184	29.9	23.5	35.3
145	34.2	26.6	39.8



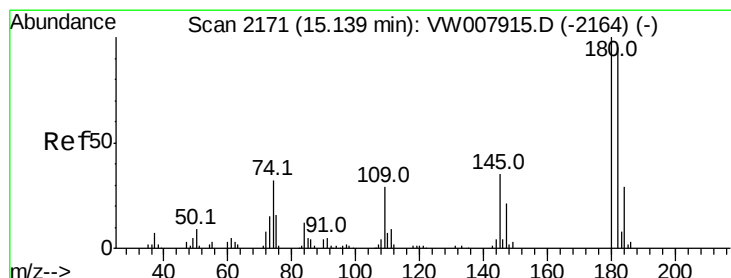
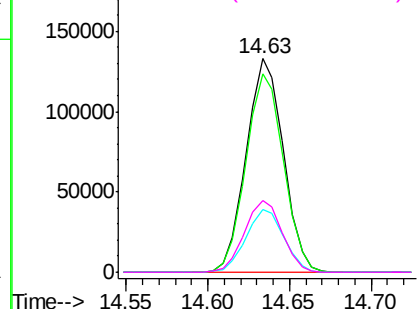
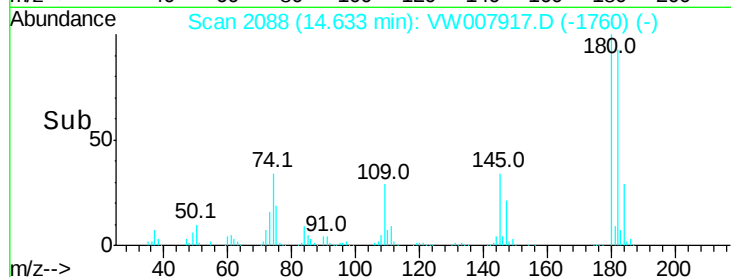
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

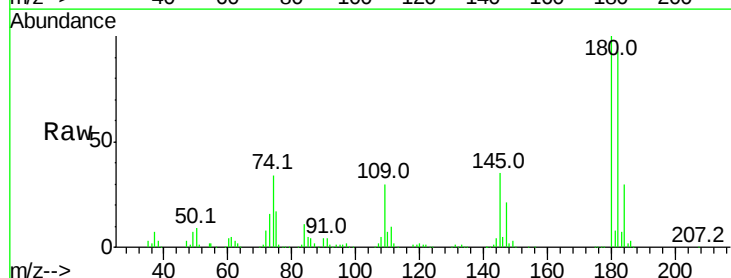
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 94.171 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW007917.D
 Acq: 26 Dec 2018 10:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	77.0	115.6
145	34.9	27.9	41.9

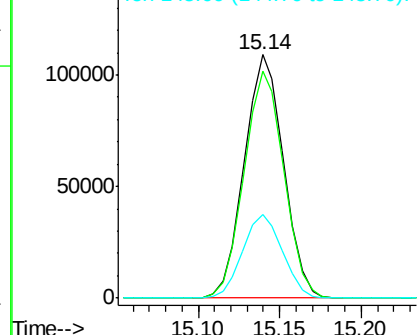
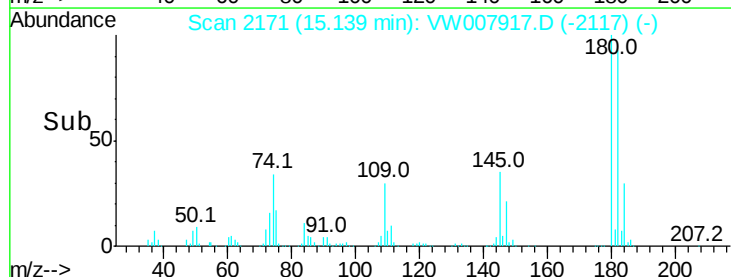


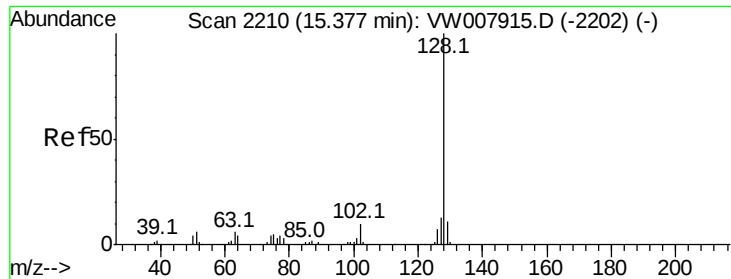
Abundance

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: 84.251 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW007917.D

Acq: 26 Dec 2018 10:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD10085

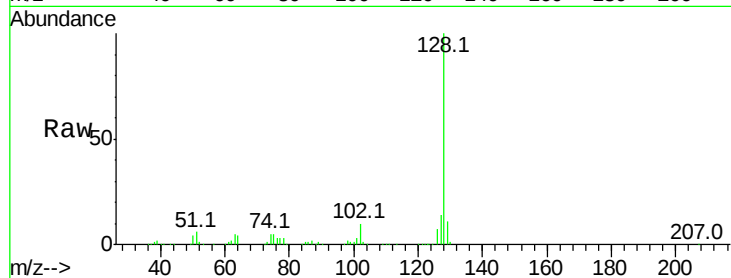
Tgt Ion:128 Resp: 403777

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

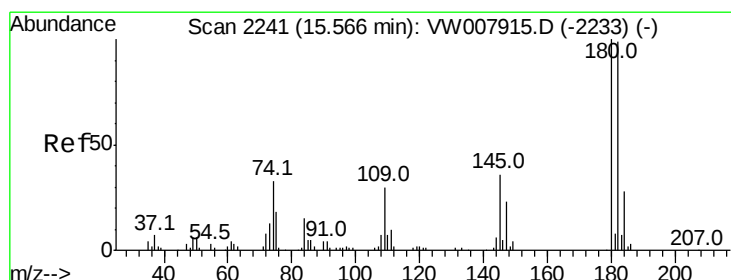
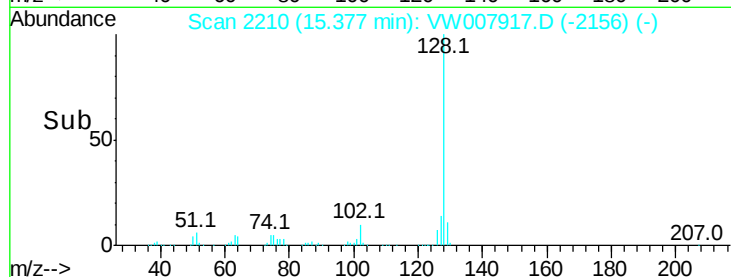
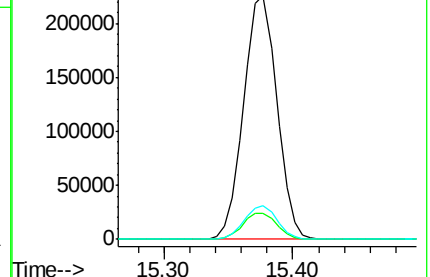
127 13.8 11.1 16.7



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: 91.319 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW007917.D

Acq: 26 Dec 2018 10:43

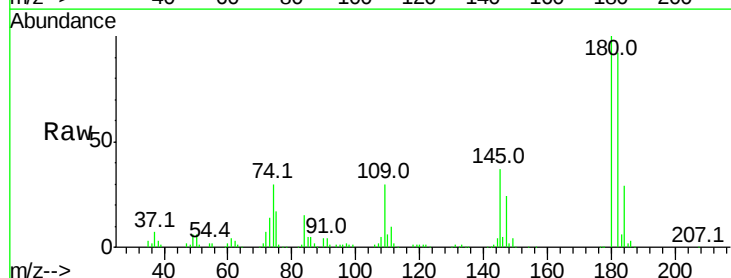
Tgt Ion:180 Resp: 160967

Ion Ratio Lower Upper

180 100

182 93.3 75.8 113.6

145 37.1 29.4 44.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

