

Data File : VW007918.D
Acq On : 26 Dec 2018 11:39
Operator : SY/AP
Sample : VSTD00586
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD00586

Quant Time: Dec 26 12:27:49 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	107171	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	97796	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	48308	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	4354	6.24	ug/L	0.00
7) Chloroethane-d5	2.90	69	2940	4.97	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.02	63	12666	5.26	ug/L	0.00
20) 2-Butanone-d5	7.07	46	3632	8.25	ug/L	0.00
24) Chloroform-d	7.65	84	13165	5.21	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	7749	5.39	ug/L	0.00
29) Benzene-d6	8.27	84	24835	4.68	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	6766	4.46	ug/L	0.00
37) Toluene-d8	10.32	98	24483	4.92	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	3912	5.05	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	2955	8.10	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	6293	4.56	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	9312	5.48	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	5985	5.114 ug/L	94
3) Chloromethane	2.21	50	4779	5.101 ug/L	89
5) Vinyl chloride	2.37	62	5982	6.767 ug/L	93
6) Bromomethane	2.78	94	3504	5.731 ug/L	97
8) Chloroethane	2.92	64	1264	2.376 ug/L	97
9) Trichlorofluoromethane	3.26	101	4584	4.518 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	3096	2.289 ug/L #	14
12) 1,1-Dichloroethene	4.03	96	6040	4.799 ug/L	88
13) Acetone	4.13	43	3771	7.370 ug/L	98
14) Carbon disulfide	4.38	76	18603	5.062 ug/L	95
15) Methyl Acetate	4.67	43	1538	2.005 ug/L	100
16) Methylene chloride	4.91	84	12791	7.387 ug/L	97
17) Methyl tert-butyl Ether	5.43	73	10957	5.354 ug/L #	88
18) trans-1,2-Dichloroethene	5.41	96	6610	4.895 ug/L	91
19) 1,1-Dichloroethane	6.22	63	11105	4.825 ug/L	98
21) 2-Butanone	7.17	43	4162	7.568 ug/L	98
22) cis-1,2-Dichloroethene	7.17	96	7016	4.722 ug/L	96
23) Bromochloromethane	7.51	128	3086	4.556 ug/L #	89
25) Chloroform	7.68	83	13028	5.231 ug/L	96
27) 1,2-Dichloroethane	8.40	62	9243	5.192 ug/L #	96
30) Cyclohexane	7.95	56	10751	4.582 ug/L	96
31) 1,1,1-Trichloroethane	7.87	97	11662	5.067 ug/L	99
32) Carbon tetrachloride	8.07	117	10892	4.897 ug/L	95
34) Benzene	8.32	78	26478	4.723 ug/L	100
35) Trichloroethene	9.09	95	7464	4.644 ug/L	98
36) Methylcyclohexane	9.33	83	12715	4.582 ug/L	98
40) 1,2-Dichloropropane	9.37	63	6129	4.470 ug/L	98
41) Bromodichloromethane	9.65	83	8794	4.467 ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	10455	4.540 ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	8654	7.974 ug/L	98

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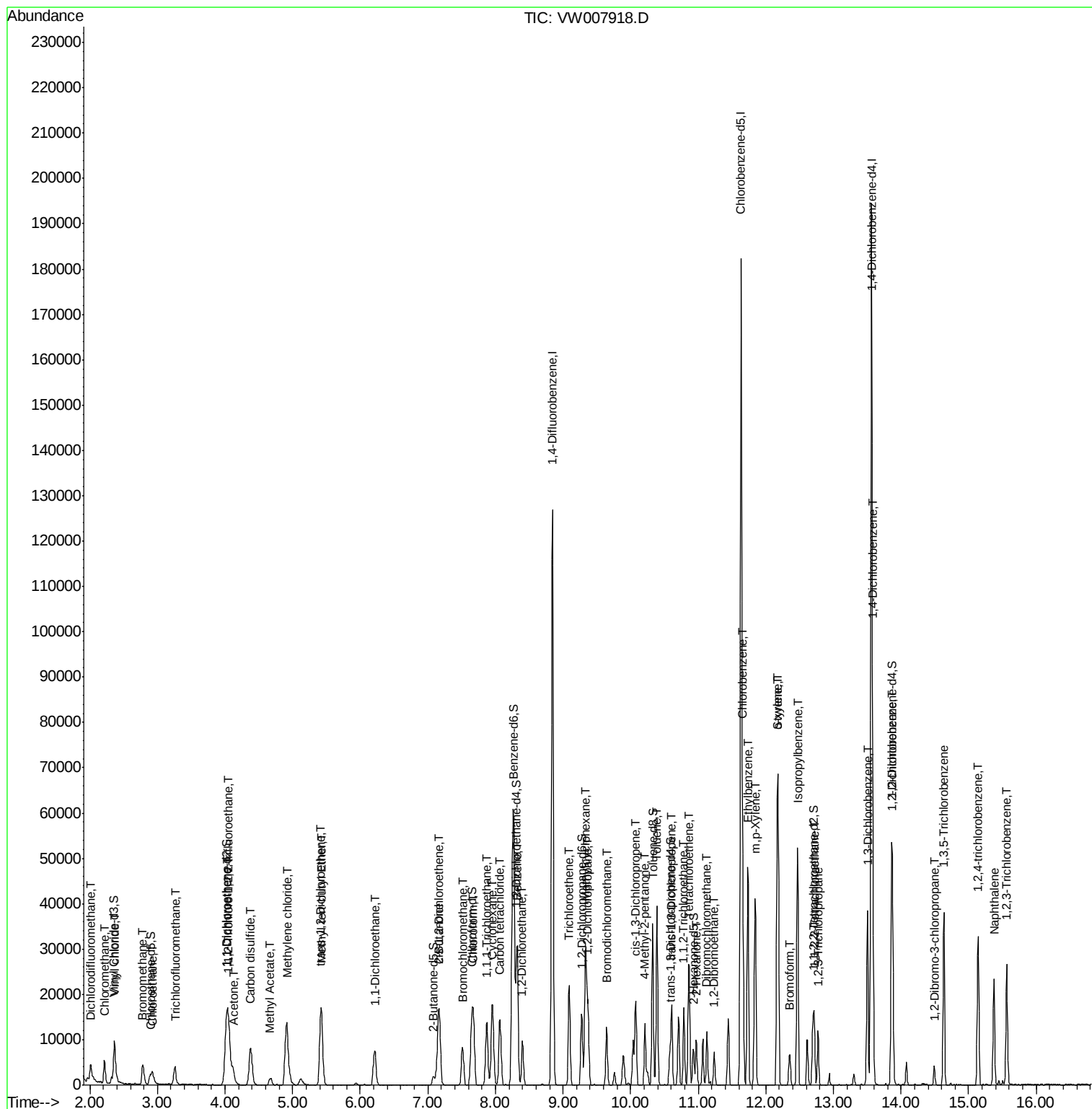
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	29362	4.860	ug/L	95
45) trans-1,3-Dichloropropene	10.61	75	9416	4.656	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	5093	4.511	ug/L	96
47) Tetrachloroethene	10.86	164	6189	5.097	ug/L	91
49) 2-Hexanone	10.97	43	6304	8.264	ug/L	97
50) Dibromochloromethane	11.13	129	6475	4.668	ug/L	98
51) 1,2-Dibromoethane	11.24	107	5099	4.497	ug/L #	92
52) Chlorobenzene	11.66	112	19301	4.922	ug/L	95
53) Ethylbenzene	11.73	91	34035	5.010	ug/L	96
54) m,p-Xylene	11.84	106	12674	4.911	ug/L	92
55) o-xylene	12.17	106	12393	5.081	ug/L	90
56) Styrene	12.18	104	20378	4.874	ug/L	96
57) Isopropylbenzene	12.47	105	34099	5.009	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	6071	4.337	ug/L #	99
59) 1,2,3-Trichloropropane	12.77	75	4881	4.406	ug/L	96
62) Bromoform	12.35	173	3457	4.179	ug/L	95
63) 1,3-Dichlorobenzene	13.51	146	15747	5.074	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	15637	5.054	ug/L	93
65) 1,2-Dichlorobenzene	13.88	146	14355	5.168	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.49	75	1255	4.266	ug/L	92
67) 1,3,5-Trichlorobenzene	14.63	180	11733	5.219	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	10061	5.191	ug/L	98
69) Naphthalene	15.38	128	20686	4.318	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	8675	4.923	ug/L	98

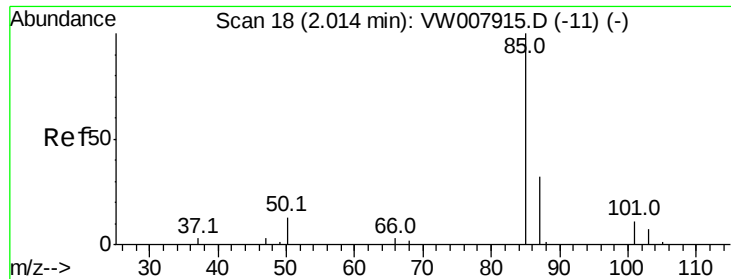
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.114 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW007918.D

Acq: 26 Dec 2018 11:39

Instrument :

MSVOA_W

ClientSampleId :

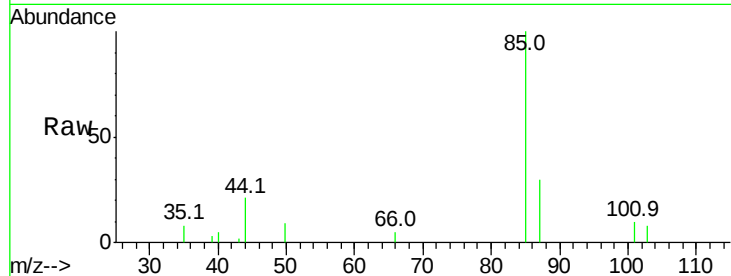
VSTD00586

Tgt Ion: 85 Resp: 5985

Ion Ratio Lower Upper

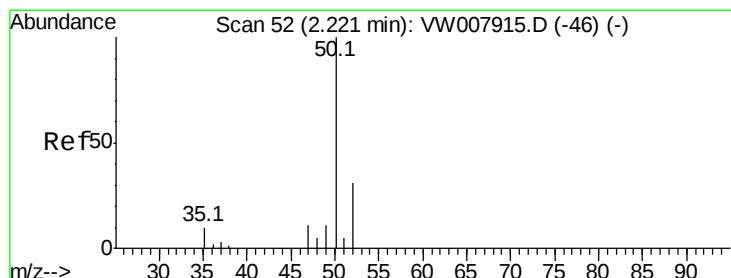
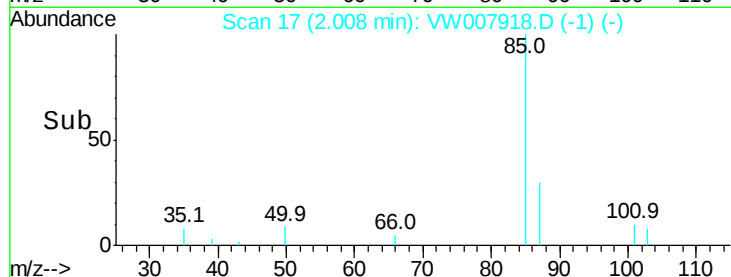
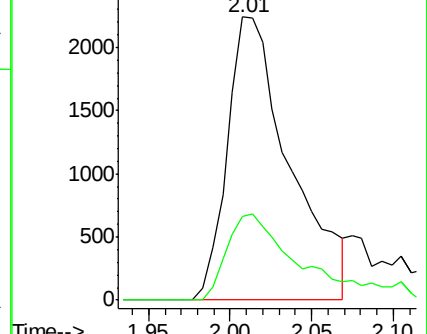
85 100

87 26.5 20.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 5.101 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007918.D

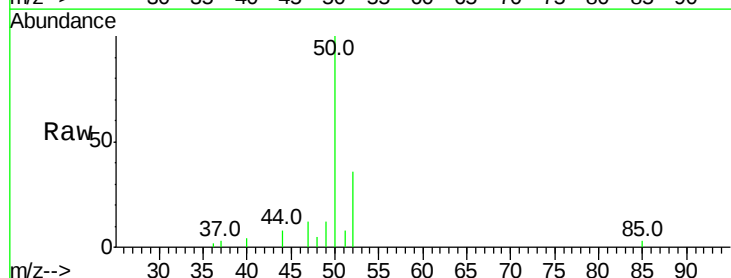
Acq: 26 Dec 2018 11:39

Tgt Ion: 50 Resp: 4779

Ion Ratio Lower Upper

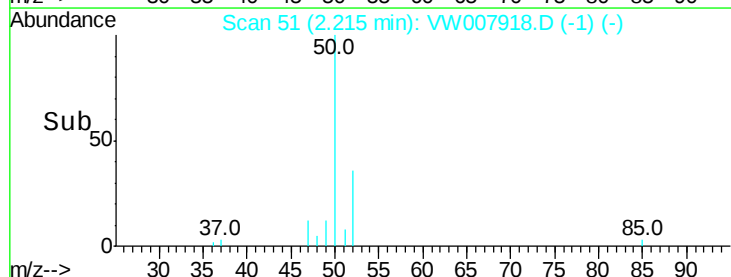
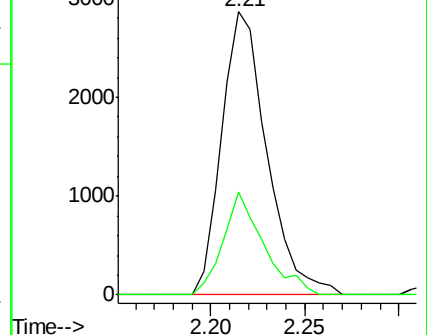
50 100

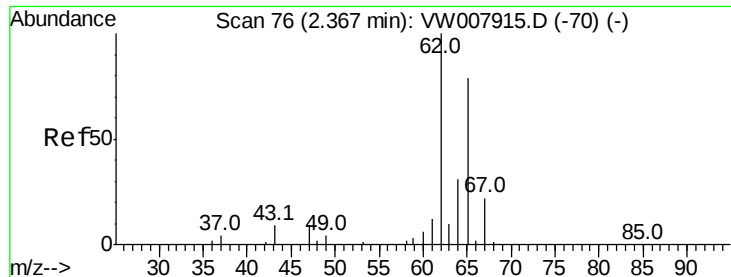
52 36.4 21.4 39.8



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 6.767 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW007918.D

Acq: 26 Dec 2018 11:39

Instrument :

MSVOA_W

ClientSampleId :

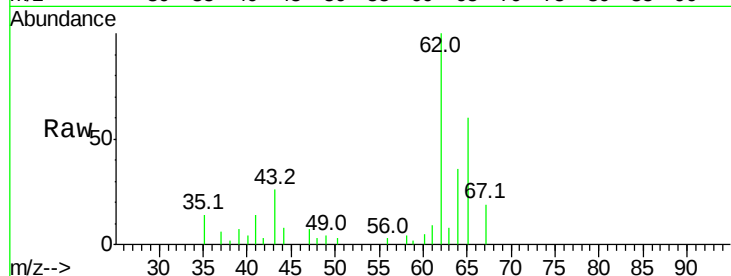
VSTD00586

Tgt Ion: 62 Resp: 5982

Ion Ratio Lower Upper

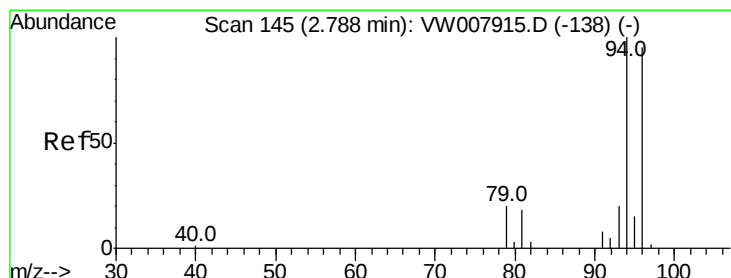
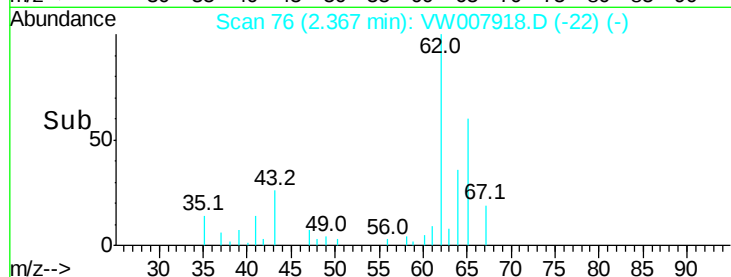
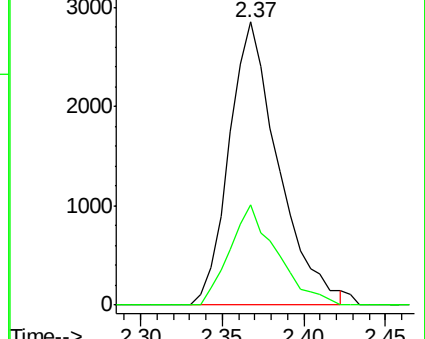
62 100

64 35.6 22.0 41.0



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 5.731 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW007918.D

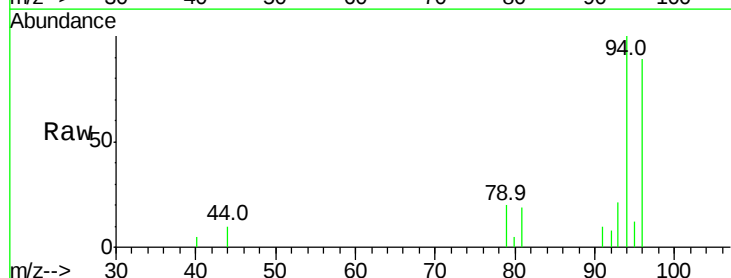
Acq: 26 Dec 2018 11:39

Tgt Ion: 94 Resp: 3504

Ion Ratio Lower Upper

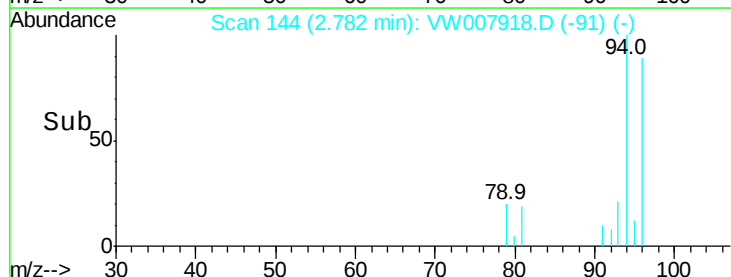
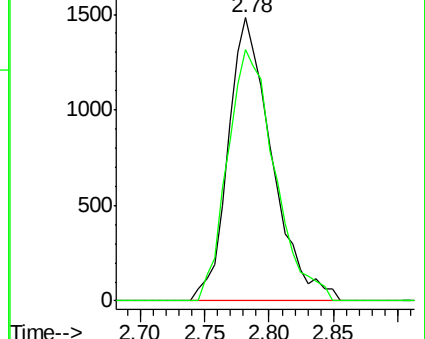
94 100

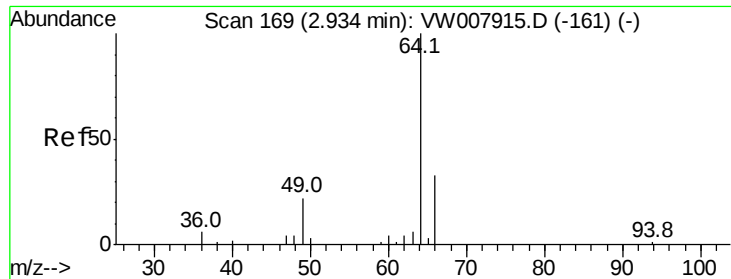
96 95.6 9.2 175.4



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW

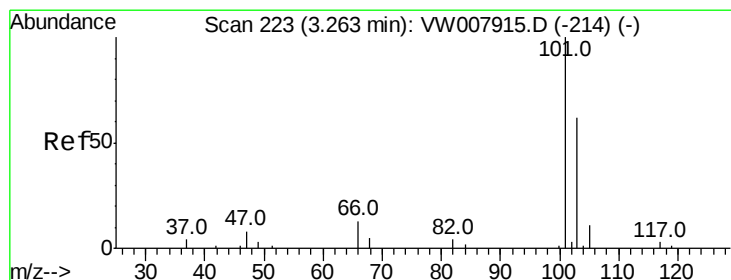
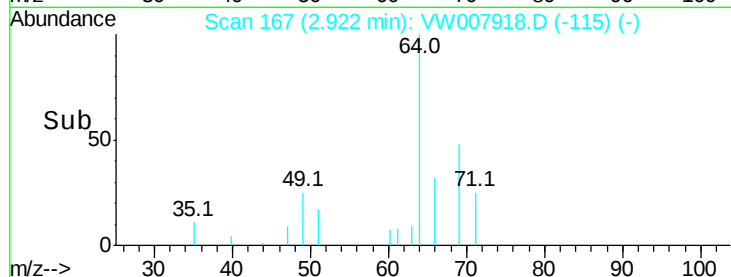
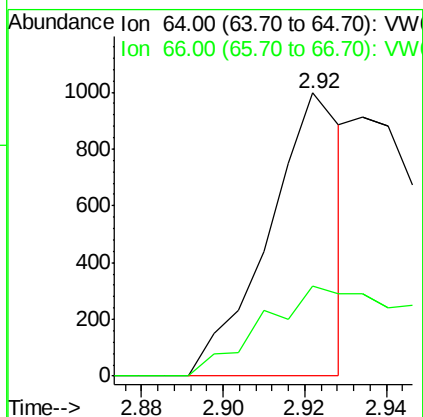
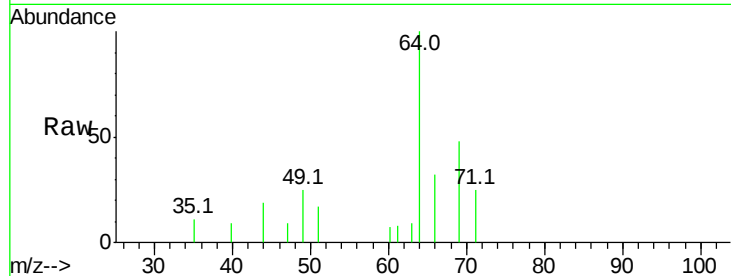




#8
Chloroethane
Concen: 2.376 ug/L
RT: 2.92 min Scan# 167
Delta R.T. -0.01 min
Lab File: VW007918.D
Acq: 26 Dec 2018 11:39

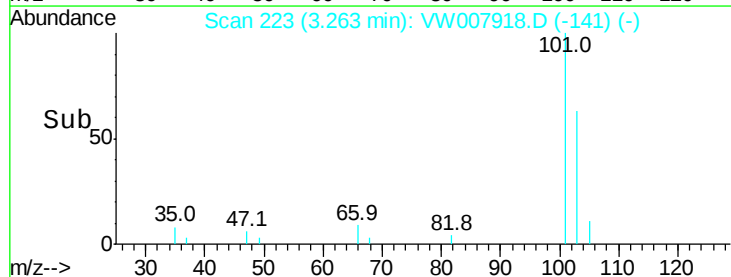
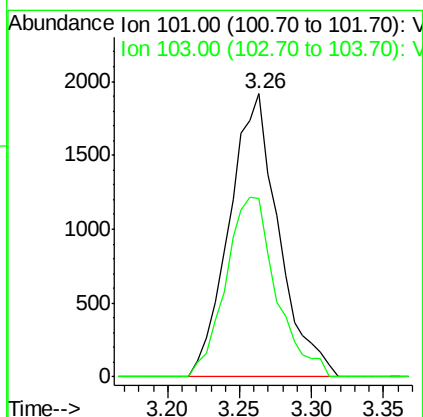
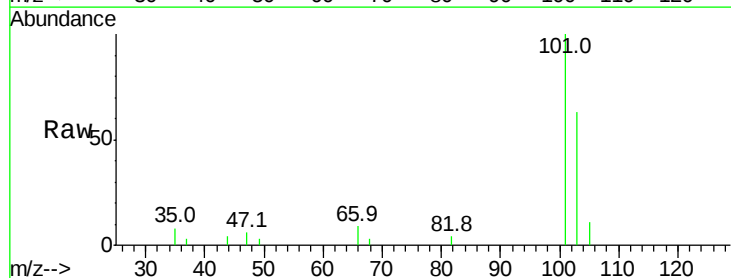
Instrument :
MSVOA_W
ClientSampled :
VSTD00586

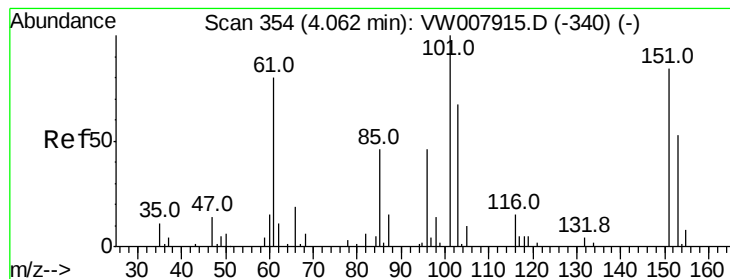
Tgt Ion: 64 Resp: 1264
Ion Ratio Lower Upper
64 100
66 31.8 23.3 43.3



#9
Trichlorofluoromethane
Concen: 4.518 ug/L
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW007918.D
Acq: 26 Dec 2018 11:39

Tgt Ion: 101 Resp: 4584
Ion Ratio Lower Upper
101 100
103 63.8 44.7 83.1





#11

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

Concen: 2.289 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW007918.D

Acq: 26 Dec 2018 11:39

Instrument :

MSVOA_W

ClientSampled :

VSTD00586

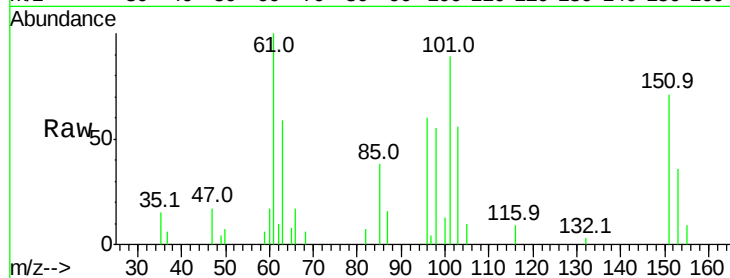
Tgt Ion: 101 Resp: 3096

Ion Ratio Lower Upper

101 100

85 83.2 33.4 50.2#

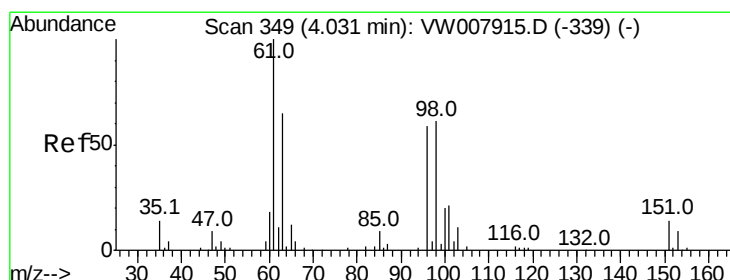
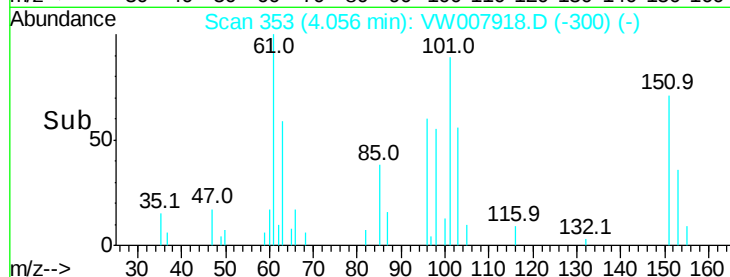
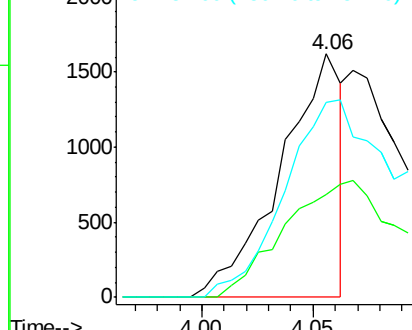
151 163.8 63.2 94.8#



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: 4.799 ug/L

RT: 4.03 min Scan# 348

Delta R.T. -0.01 min

Lab File: VW007918.D

Acq: 26 Dec 2018 11:39

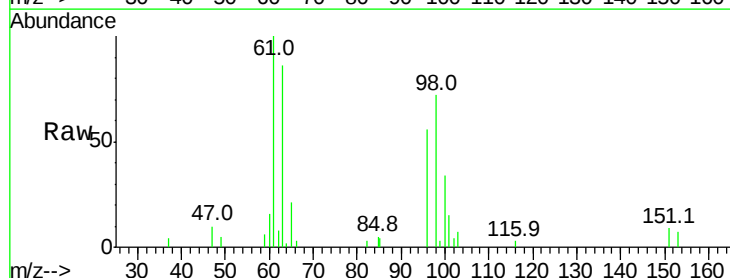
Tgt Ion: 96 Resp: 6040

Ion Ratio Lower Upper

96 100

61 179.6 120.3 223.3

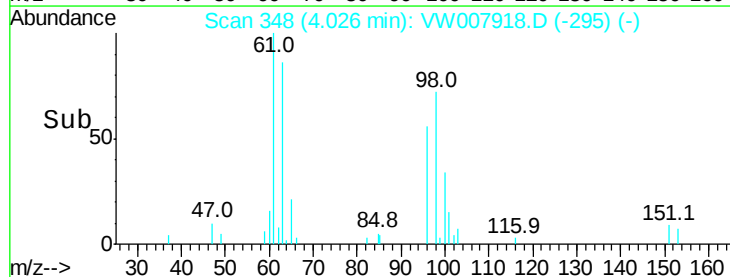
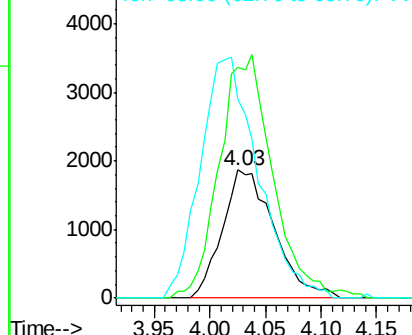
63 155.3 91.6 170.0

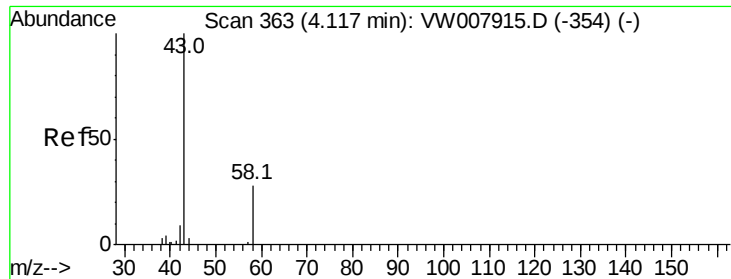


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 7.370 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

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Acq: 26 Dec 2018 11:39

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ClientSampleId :

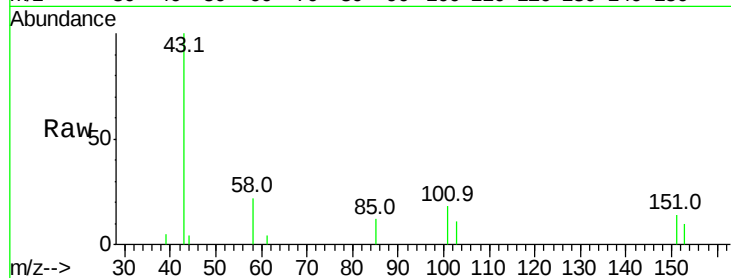
VSTD00586

Tgt Ion: 43 Resp: 3771

Ion Ratio Lower Upper

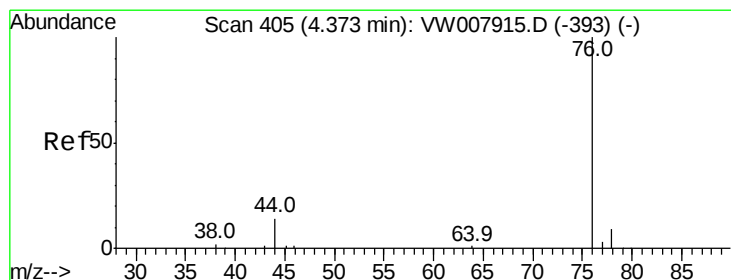
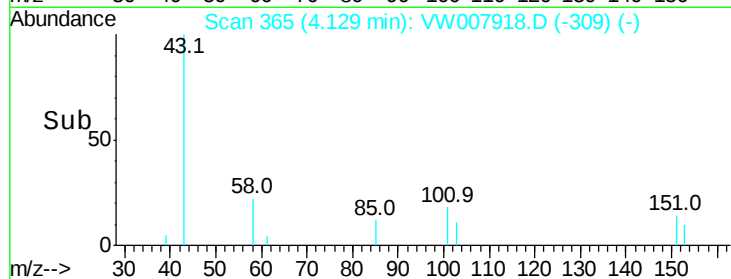
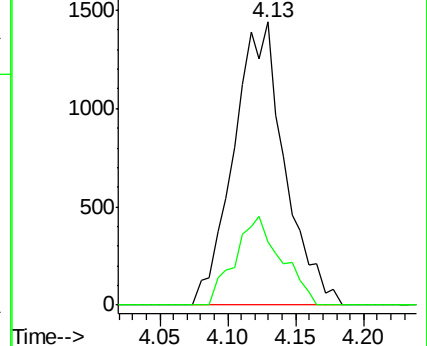
43 100

58 28.4 0.0 58.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 5.062 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW007918.D

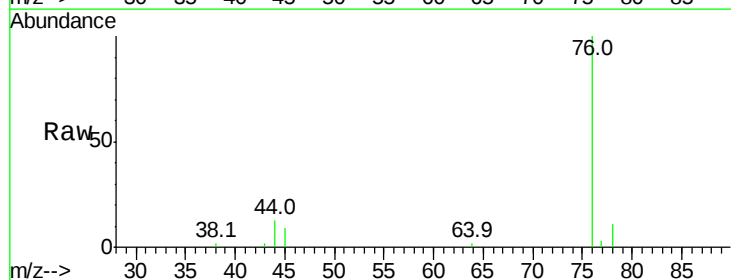
Acq: 26 Dec 2018 11:39

Tgt Ion: 76 Resp: 18603

Ion Ratio Lower Upper

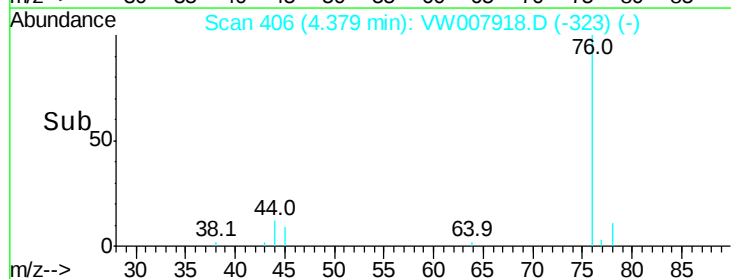
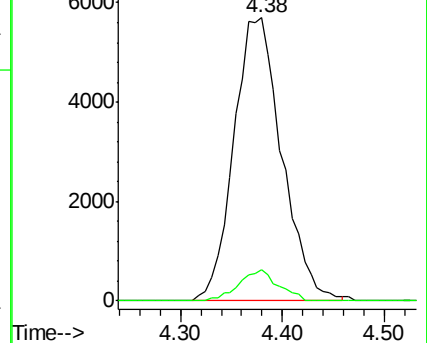
76 100

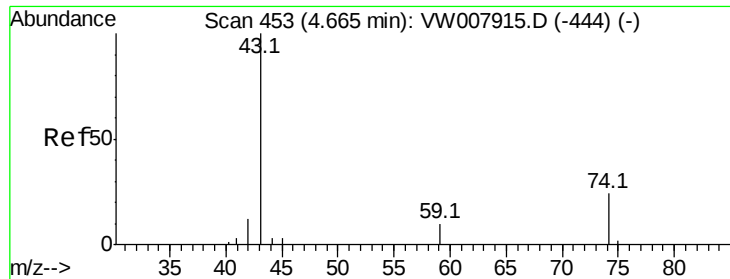
78 11.2 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

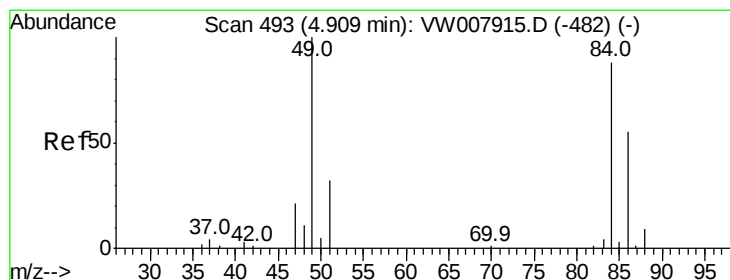
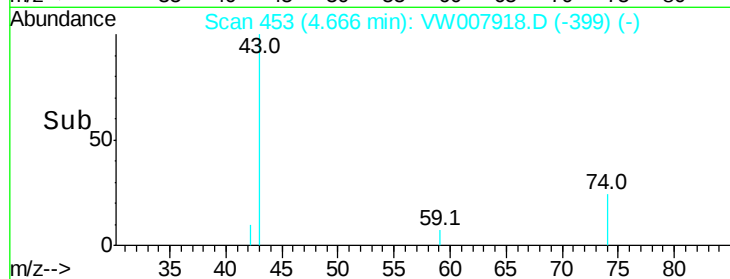
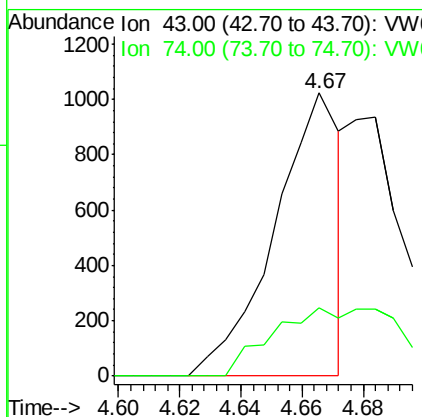
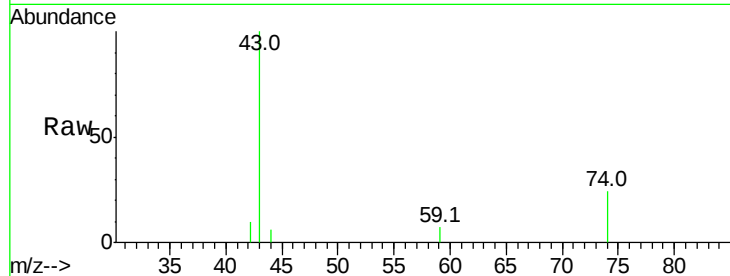




#15
Methyl Acetate
Concen: 2.005 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW007918.D
Acq: 26 Dec 2018 11:39

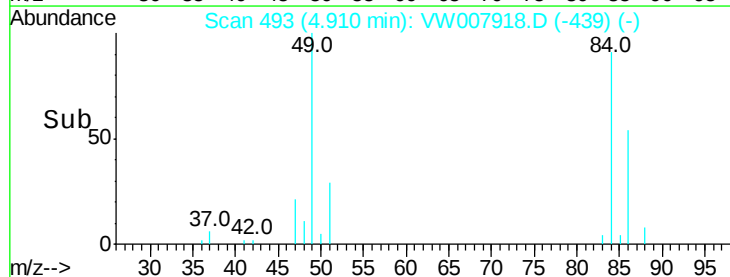
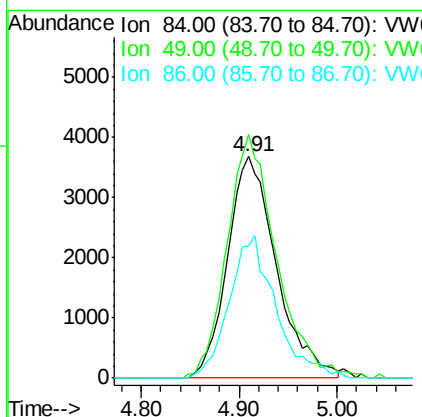
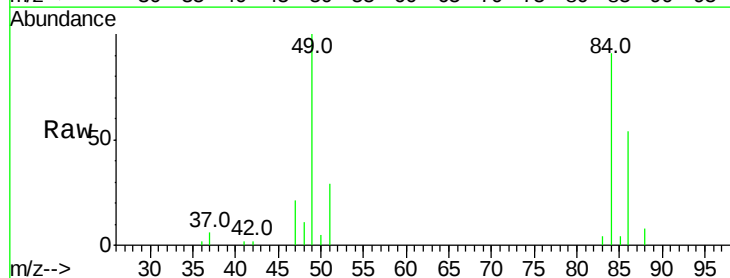
Instrument :
MSVOA_W
ClientSampleId :
VSTD00586

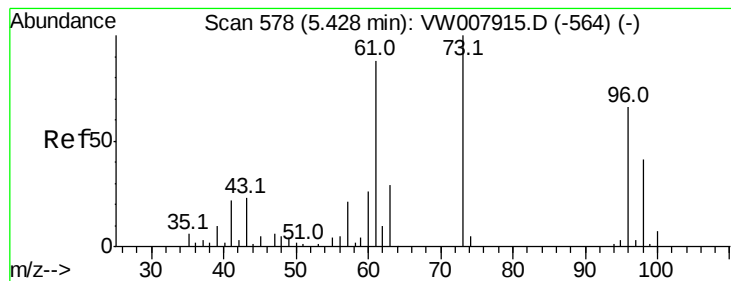
Tgt Ion: 43 Resp: 1538
Ion Ratio Lower Upper
43 100
74 25.4 20.2 30.2



#16
Methylene chloride
Concen: 7.387 ug/L
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW007918.D
Acq: 26 Dec 2018 11:39

Tgt Ion: 84 Resp: 12791
Ion Ratio Lower Upper
84 100
49 110.0 79.2 147.0
86 59.7 43.2 80.2





#17

Methyl tert-butyl Ether

Concen: 5.354 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW007918.D

Acq: 26 Dec 2018 11:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD00586

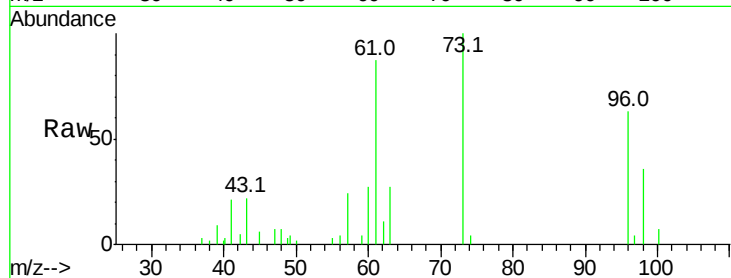
Tgt Ion: 73 Resp: 10957

Ion Ratio Lower Upper

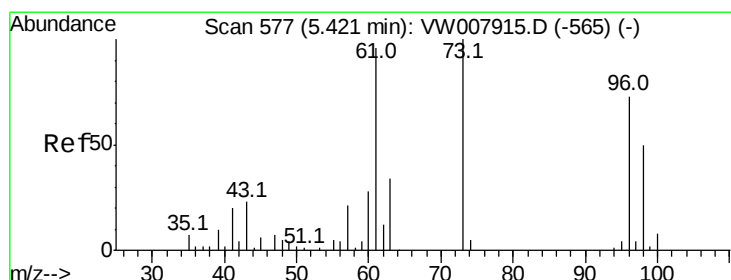
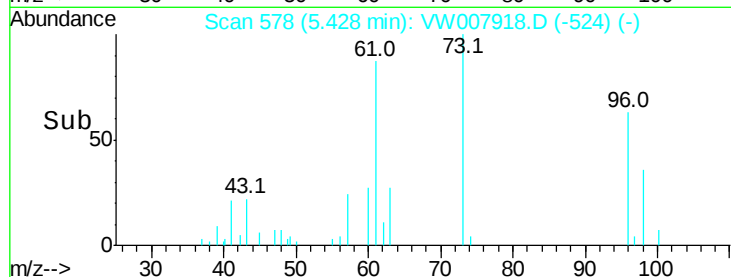
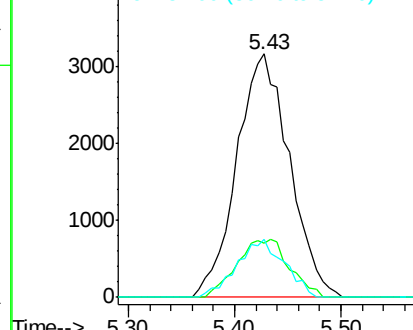
73 100

43 13.4 18.5 27.7#

57 21.5 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: 4.895 ug/L

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW007918.D

Acq: 26 Dec 2018 11:39

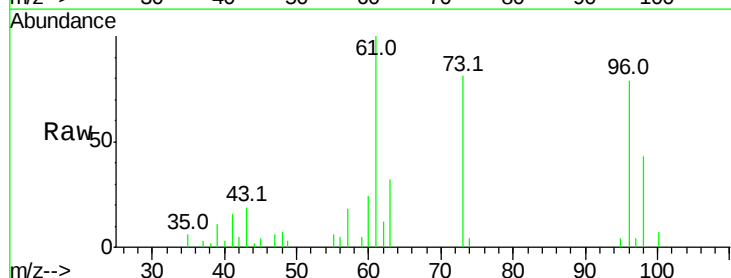
Tgt Ion: 96 Resp: 6610

Ion Ratio Lower Upper

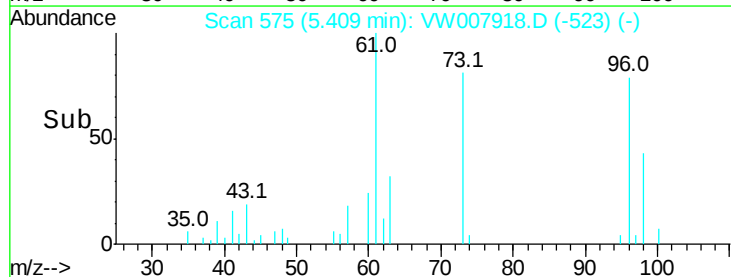
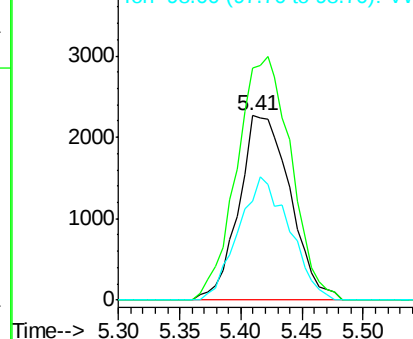
96 100

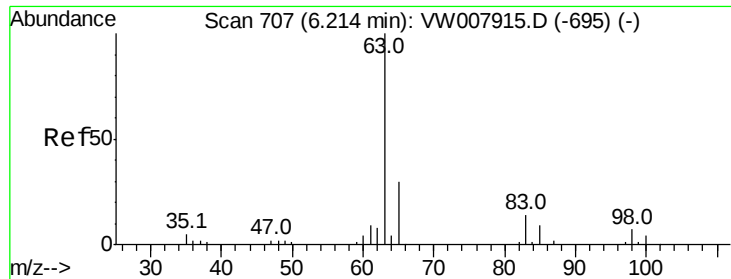
61 126.0 91.4 169.8

98 53.9 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: 4.825 ug/L

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW007918.D

Acq: 26 Dec 2018 11:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD00586

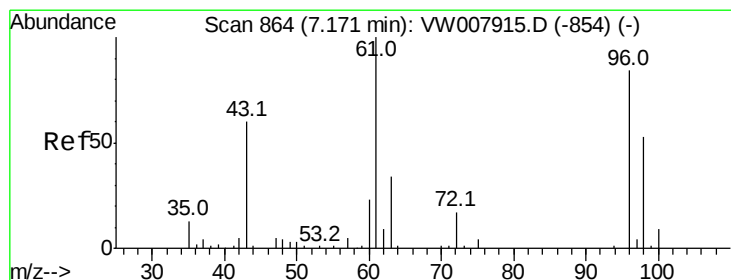
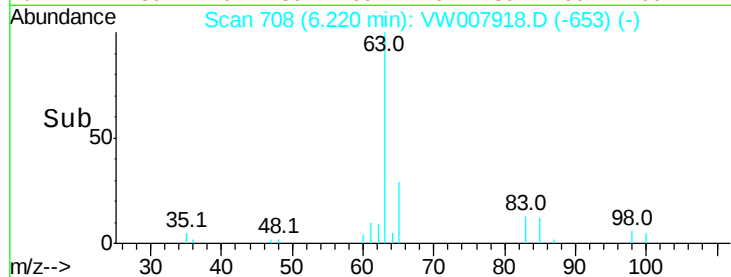
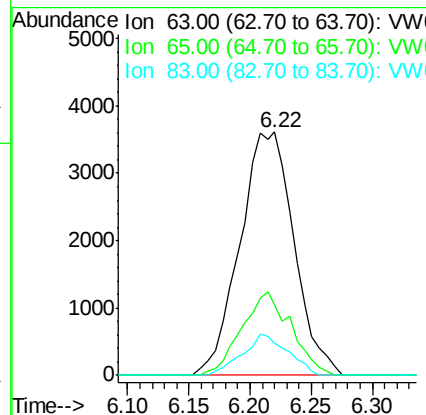
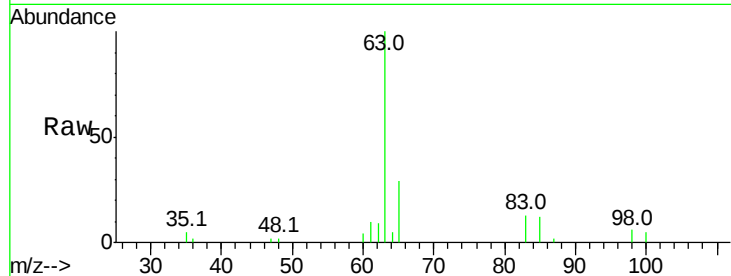
Tgt Ion: 63 Resp: 11105

Ion Ratio Lower Upper

63 100

65 28.9 20.6 38.4

83 13.2 10.0 18.6



#21

2-Butanone

Concen: 7.568 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW007918.D

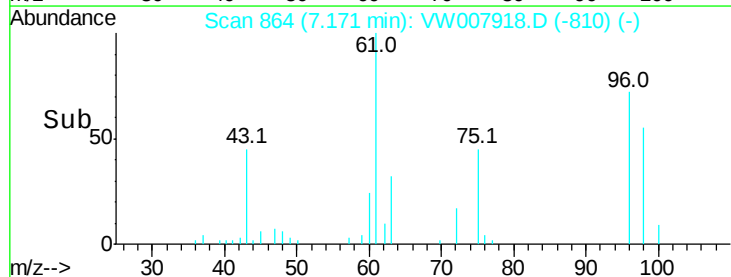
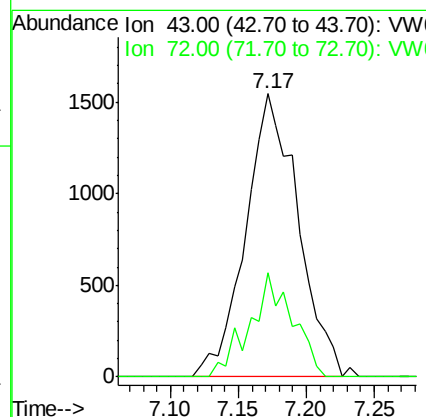
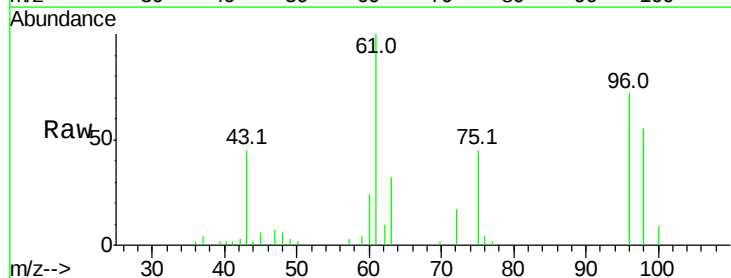
Acq: 26 Dec 2018 11:39

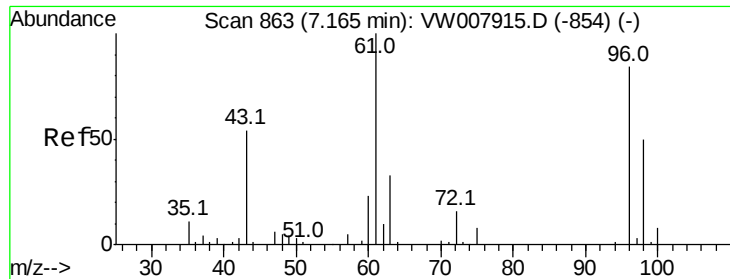
Tgt Ion: 43 Resp: 4162

Ion Ratio Lower Upper

43 100

72 30.0 14.4 43.4

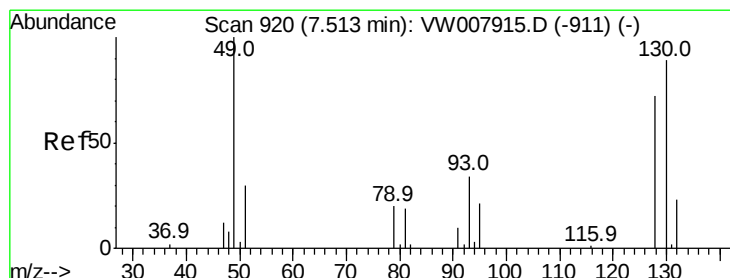
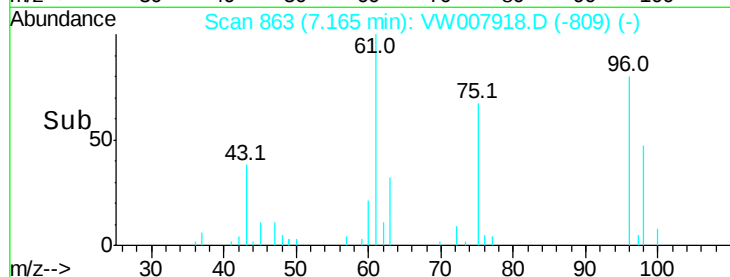
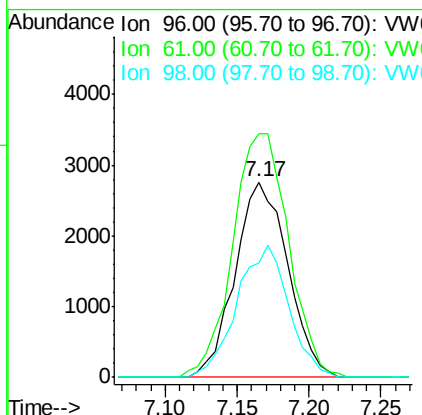
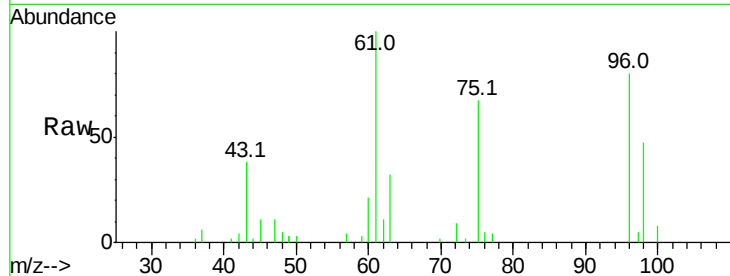




#22
 cis-1,2-Dichloroethene
 Concen: 4.722 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW007918.D
 Acq: 26 Dec 2018 11:39

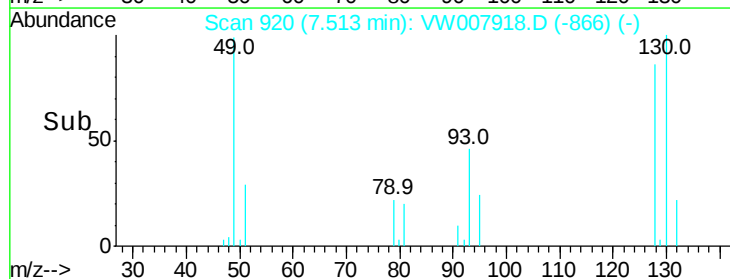
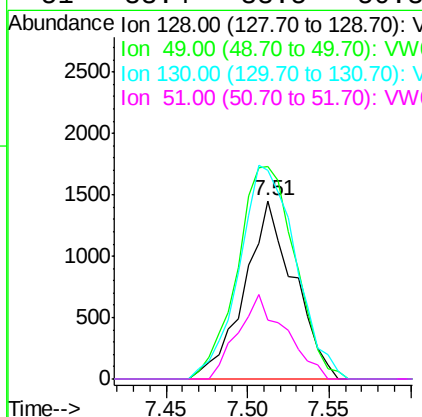
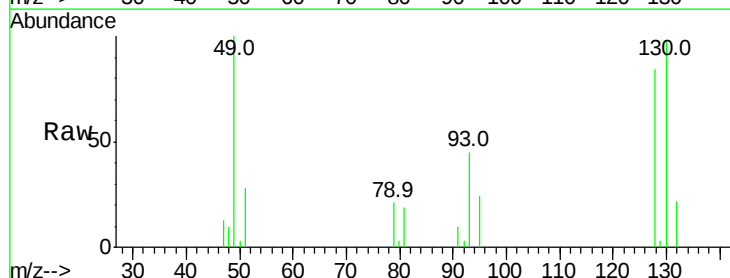
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00586

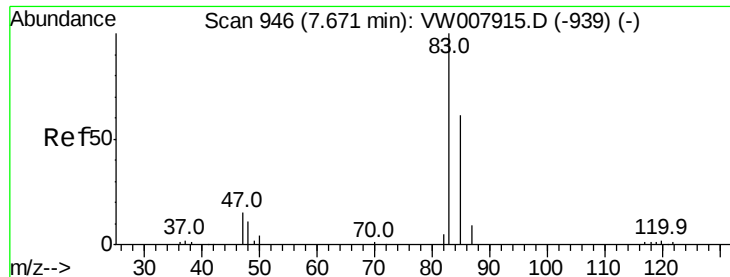
Tgt Ion: 96 Resp: 7016
 Ion Ratio Lower Upper
 96 100
 61 124.8 83.4 155.0
 98 58.6 42.3 78.5



#23
 Bromochloromethane
 Concen: 4.556 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW007918.D
 Acq: 26 Dec 2018 11:39

Tgt Ion: 128 Resp: 3086
 Ion Ratio Lower Upper
 128 100
 49 119.4 96.9 180.1
 130 116.9 86.2 160.0
 51 33.4 33.5 50.3#

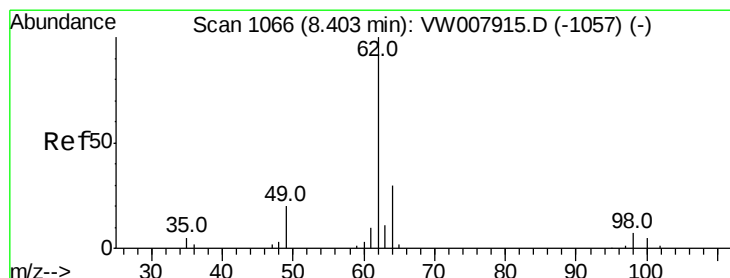
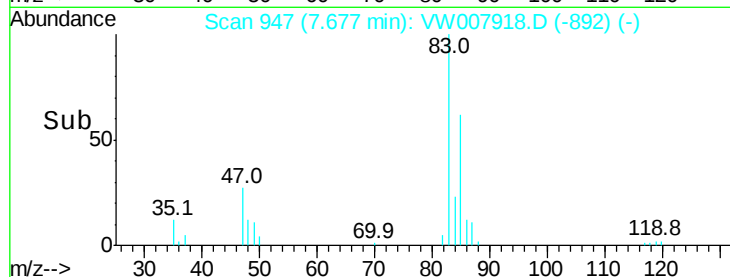
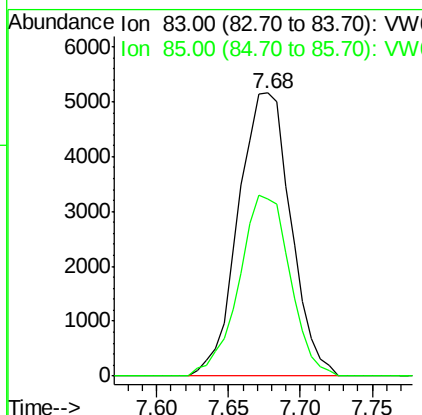
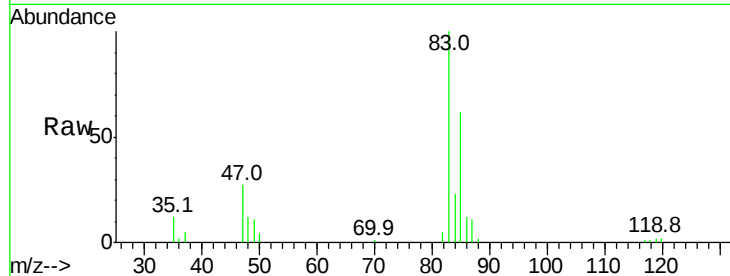




#25
Chloroform
Concen: 5.231 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW007918.D
Acq: 26 Dec 2018 11:39

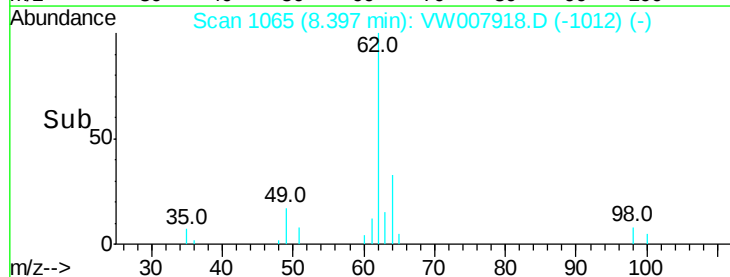
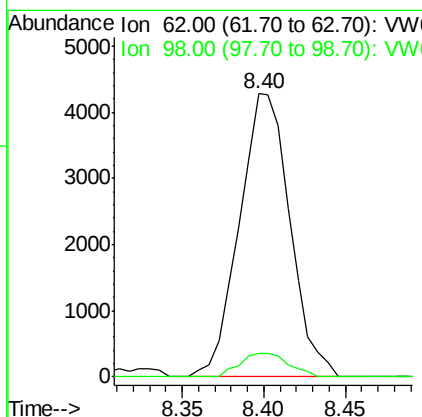
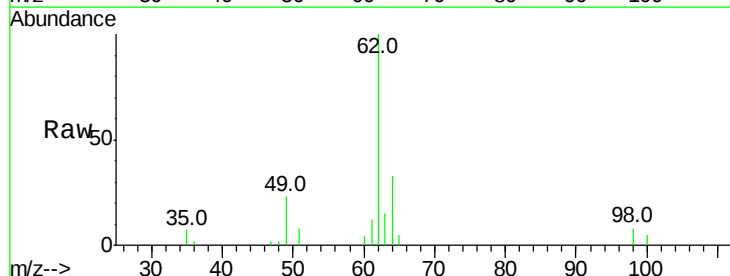
Instrument :
MSVOA_W
ClientSampleId :
VSTD00586

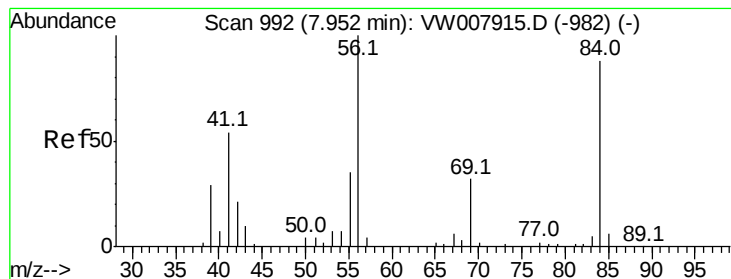
Tgt Ion: 83 Resp: 13028
Ion Ratio Lower Upper
83 100
85 62.0 45.8 85.2



#27
1,2-Dichloroethane
Concen: 5.192 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW007918.D
Acq: 26 Dec 2018 11:39

Tgt Ion: 62 Resp: 9243
Ion Ratio Lower Upper
62 100
98 8.3 5.4 8.2#





#30

Cyclohexane

Concen: 4.582 ug/L

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007918.D

Acq: 26 Dec 2018 11:39

Instrument :

MSVOA_W

ClientSampled :

VSTD00586

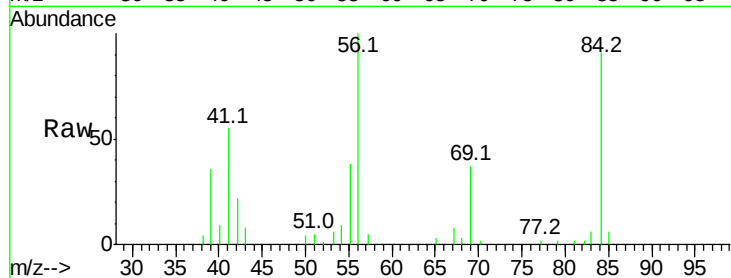
Tgt Ion: 56 Resp: 10751

Ion Ratio Lower Upper

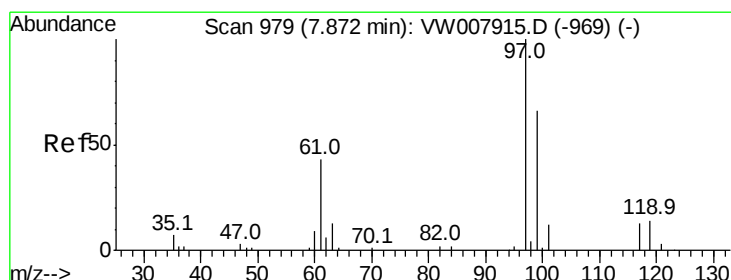
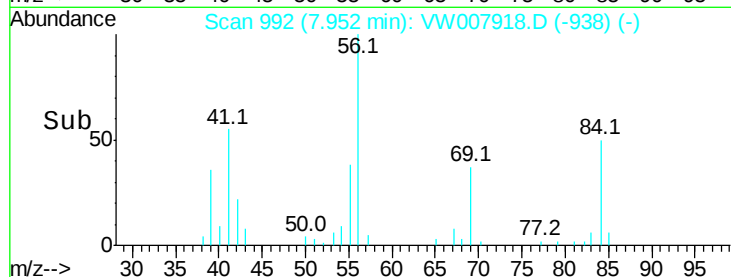
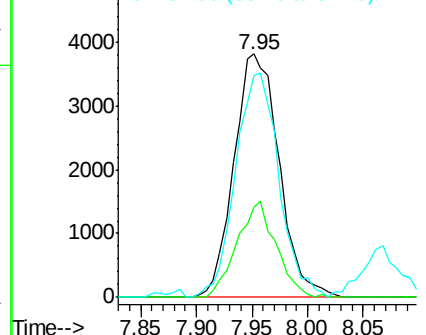
56 100

69 34.0 26.2 39.4

84 88.5 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: 5.067 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW007918.D

Acq: 26 Dec 2018 11:39

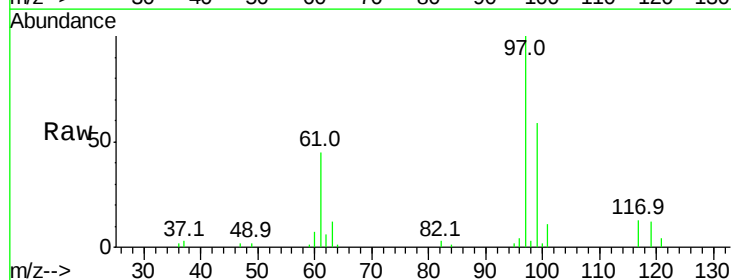
Tgt Ion: 97 Resp: 11662

Ion Ratio Lower Upper

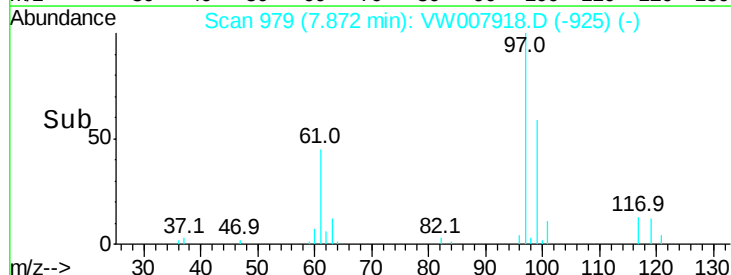
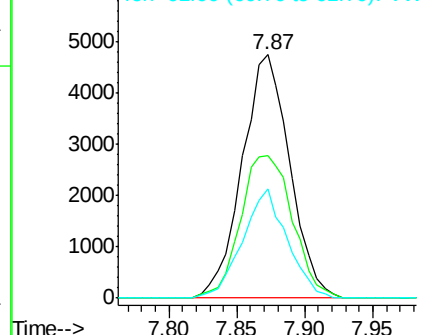
97 100

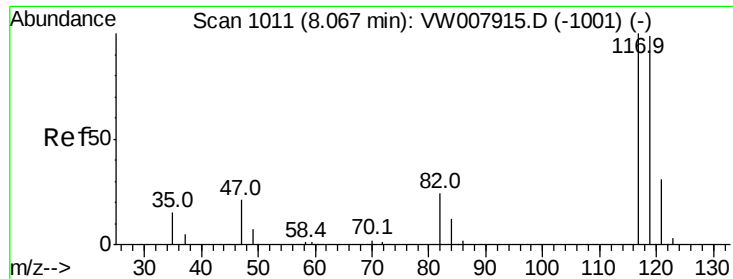
99 64.0 52.3 78.5

61 41.8 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: 4.897 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW007918.D

Acq: 26 Dec 2018 11:39

Instrument :

MSVOA_W

ClientSampleId :

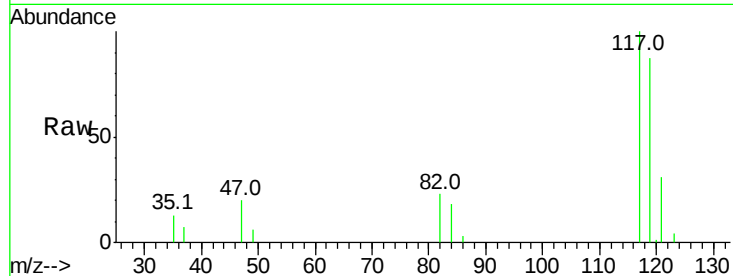
VSTD00586

Tgt Ion:117 Resp: 10892

Ion Ratio Lower Upper

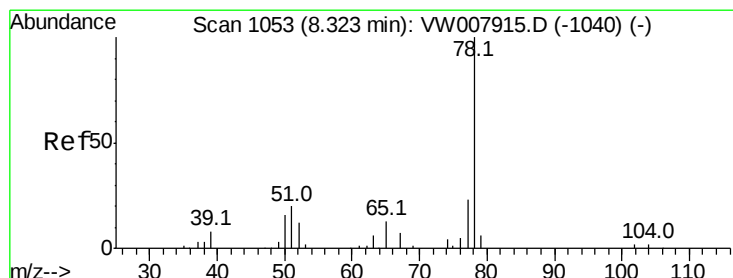
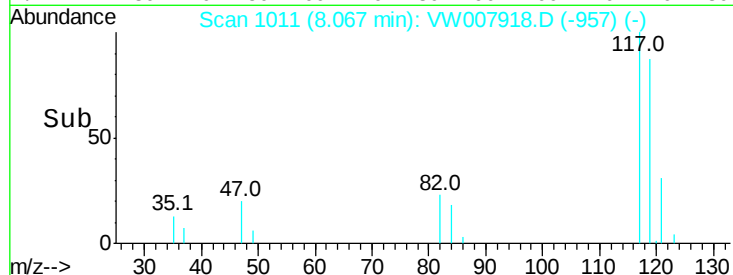
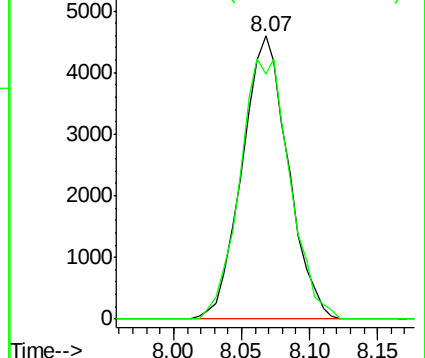
117 100

119 99.7 76.0 114.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 4.723 ug/L

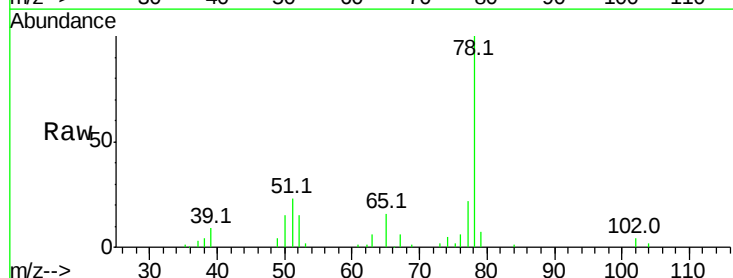
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

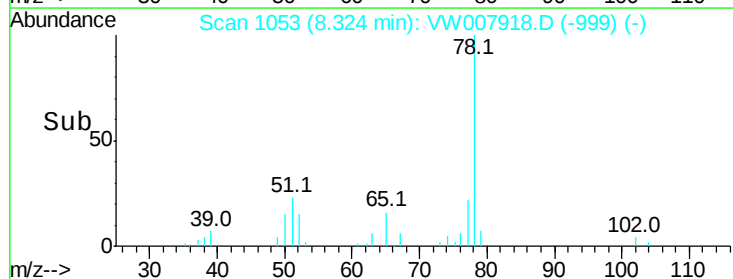
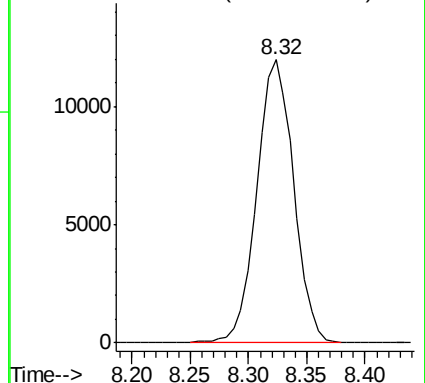
Lab File: VW007918.D

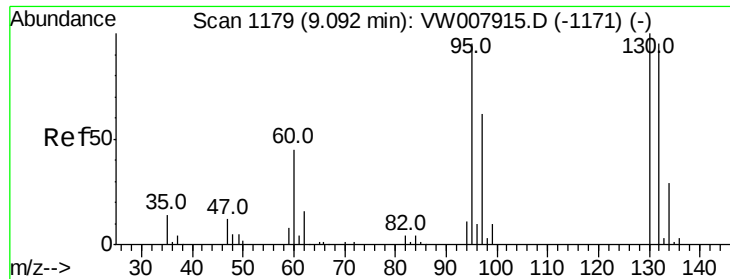
Acq: 26 Dec 2018 11:39

Tgt Ion: 78 Resp: 26478



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 4.644 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW007918.D

Acq: 26 Dec 2018 11:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD00586

Tgt Ion: 95 Resp: 7464

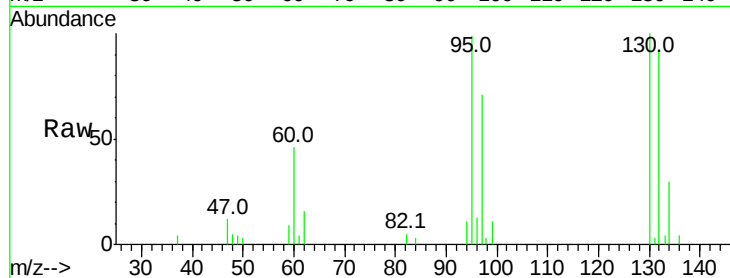
Ion Ratio Lower Upper

95 100

97 64.7 44.4 82.5

132 99.4 67.8 126.0

130 102.5 70.3 130.7

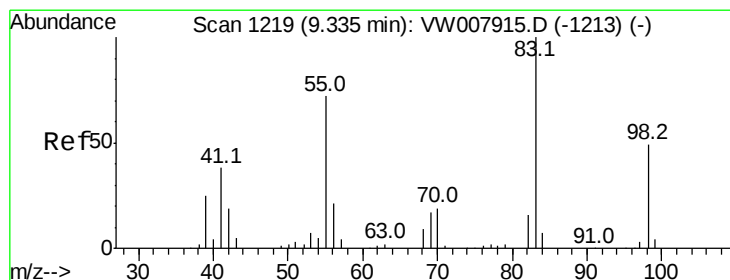
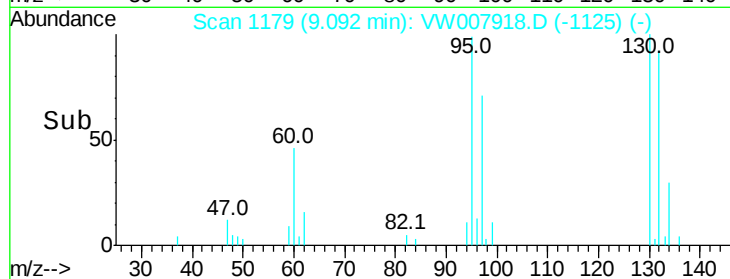
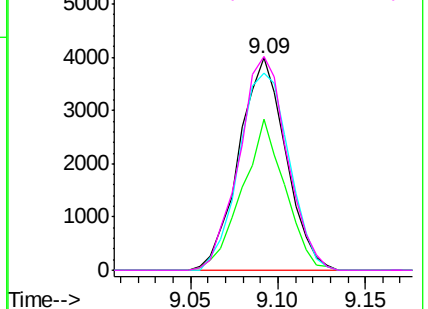


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 4.582 ug/L

RT: 9.33 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VW007918.D

Acq: 26 Dec 2018 11:39

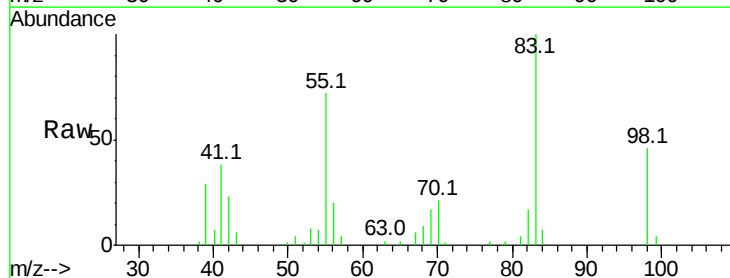
Tgt Ion: 83 Resp: 12715

Ion Ratio Lower Upper

83 100

55 72.3 59.4 89.0

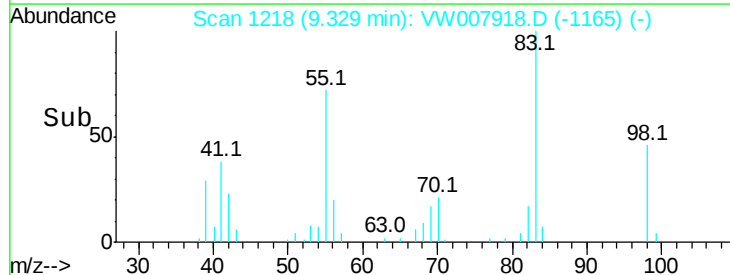
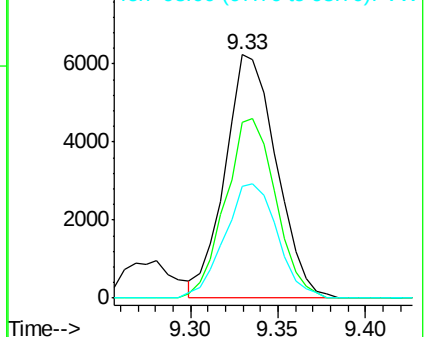
98 48.3 38.2 57.2

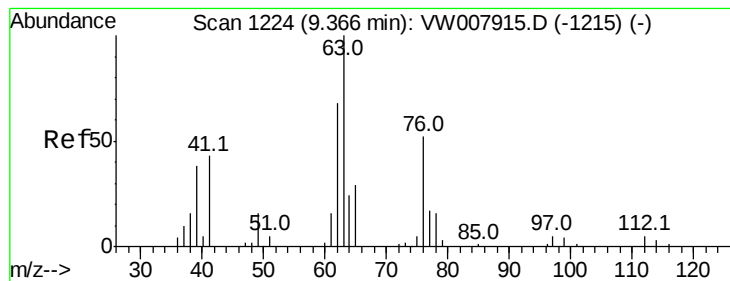


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 4.470 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW007918.D

Acq: 26 Dec 2018 11:39

Instrument :

MSVOA_W

ClientSampleId :

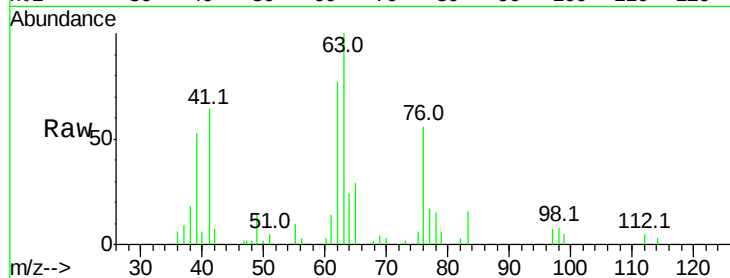
VSTD00586

Tgt Ion: 63 Resp: 6129

Ion Ratio Lower Upper

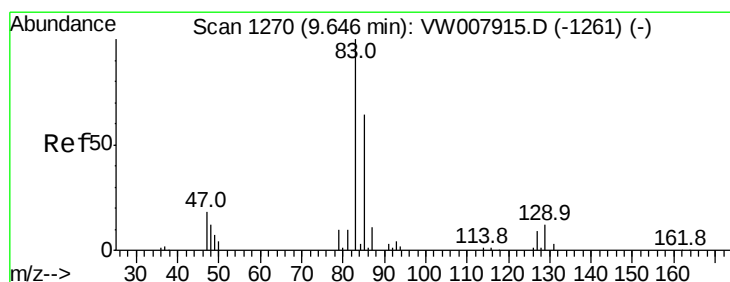
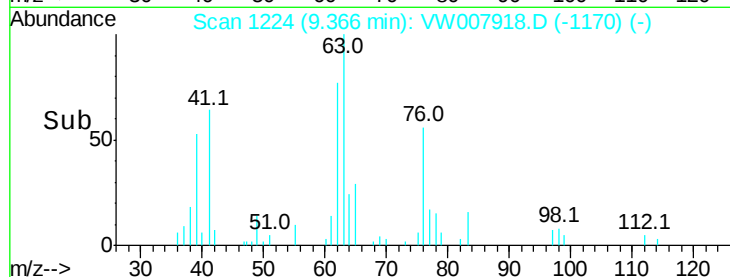
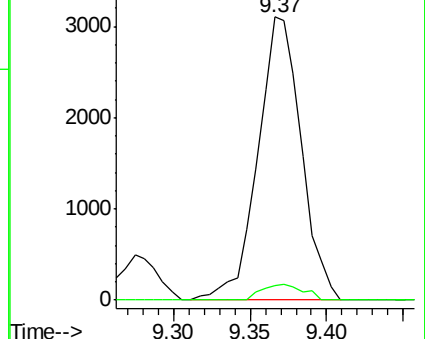
63 100

112 5.3 3.7 5.5



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 4.467 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW007918.D

Acq: 26 Dec 2018 11:39

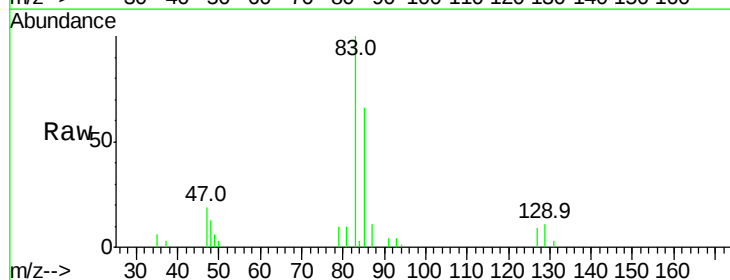
Tgt Ion: 83 Resp: 8794

Ion Ratio Lower Upper

83 100

85 66.1 44.4 82.5

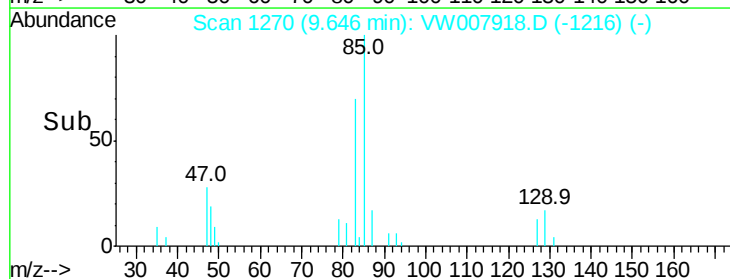
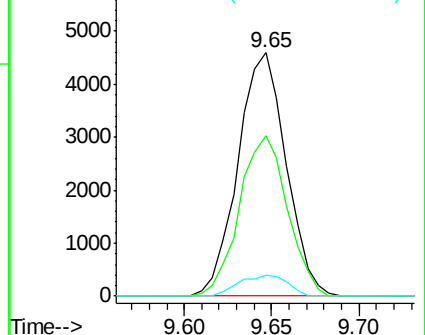
127 8.6 7.0 10.6

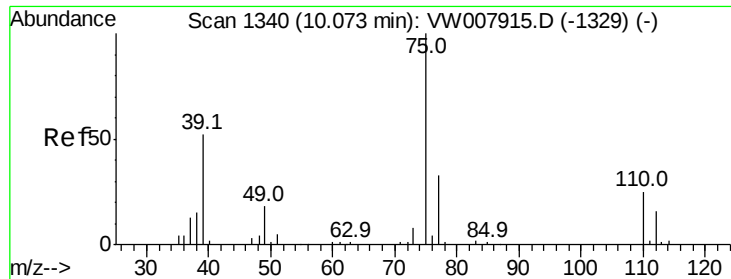


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V

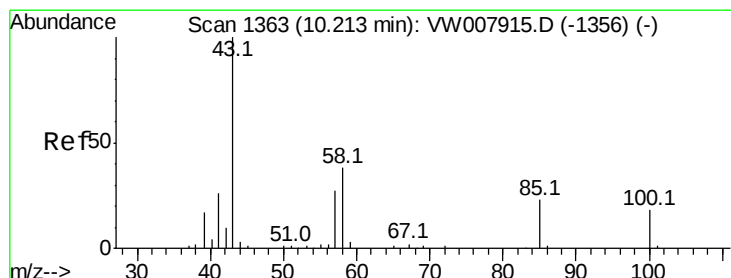
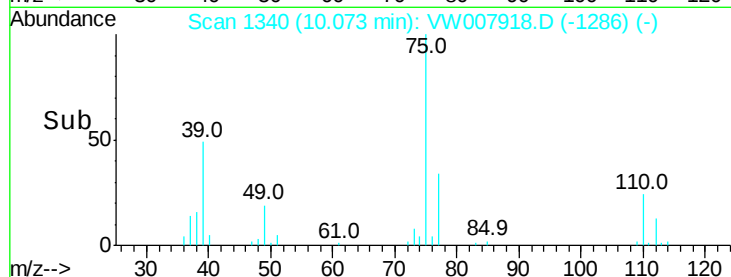
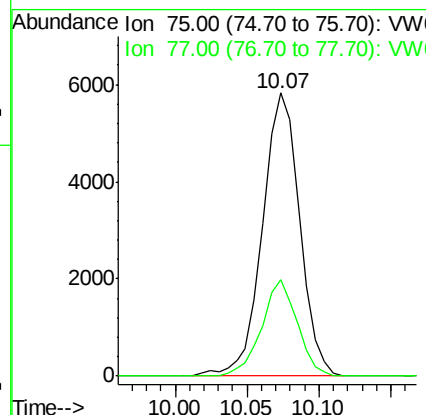
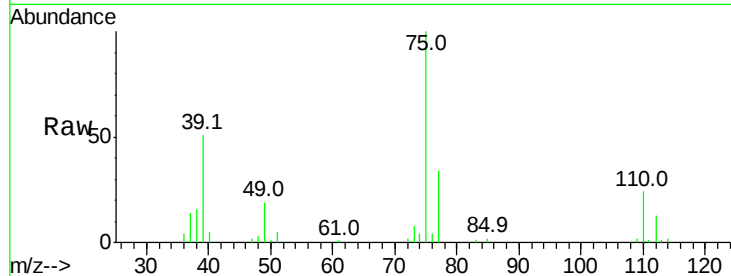




#42
 cis-1,3-Dichloropropene
 Concen: 4.540 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW007918.D
 Acq: 26 Dec 2018 11:39

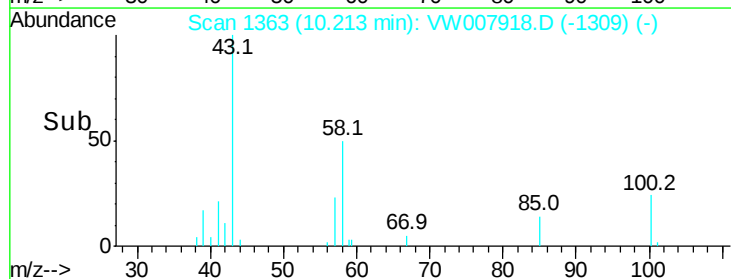
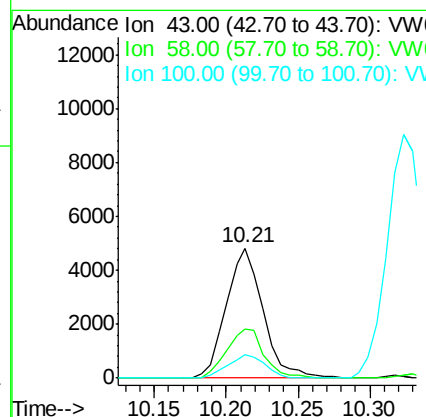
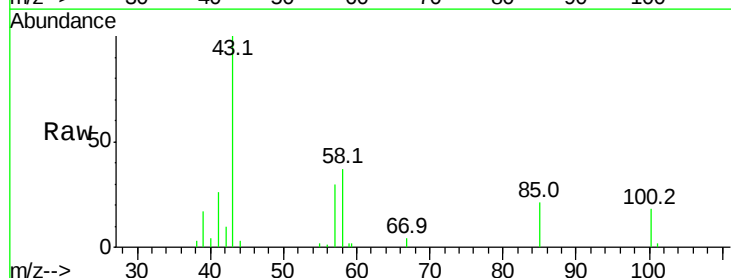
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00586

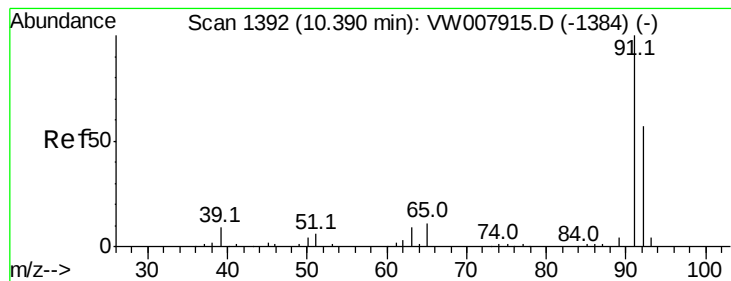
Tgt Ion: 75 Resp: 10455
 Ion Ratio Lower Upper
 75 100
 77 33.9 23.0 42.8



#43
 4-Methyl-2-pentanone
 Concen: 7.974 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW007918.D
 Acq: 26 Dec 2018 11:39

Tgt Ion: 43 Resp: 8654
 Ion Ratio Lower Upper
 43 100
 58 37.8 31.1 46.7
 100 18.0 14.0 21.0





#44

Toluene

Concen: 4.860 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007918.D

Acq: 26 Dec 2018 11:39

Instrument :

MSVOA_W

ClientSampleId :

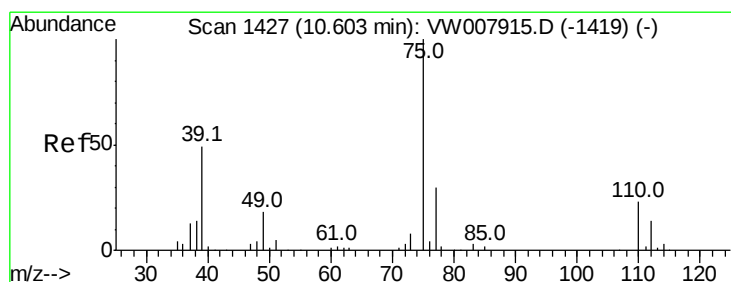
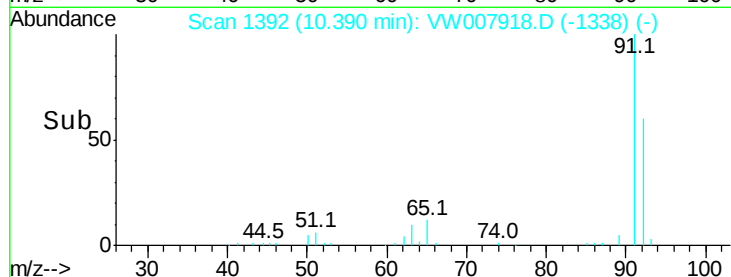
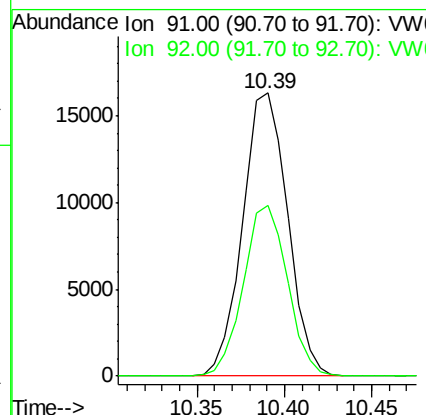
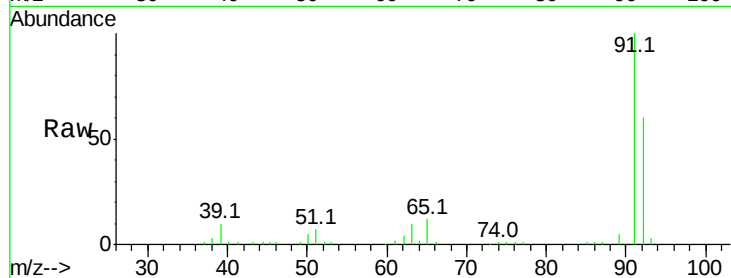
VSTD00586

Tgt Ion: 91 Resp: 29362

Ion Ratio Lower Upper

91 100

92 60.5 39.6 73.6



#45

trans-1,3-Dichloropropene

Concen: 4.656 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW007918.D

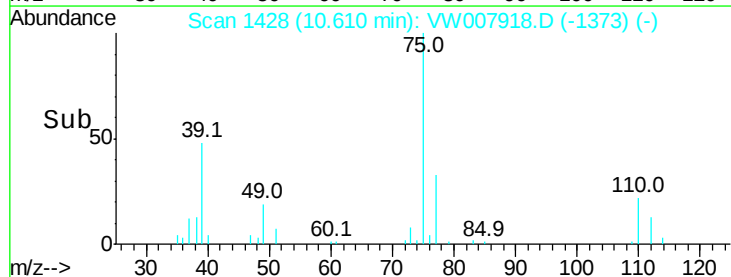
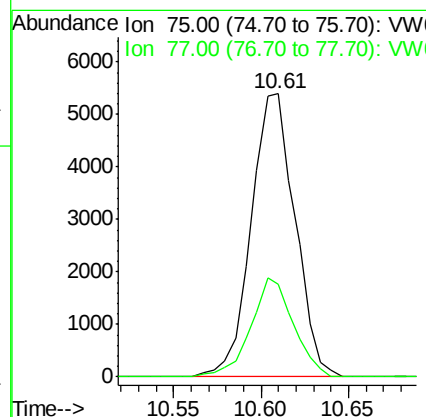
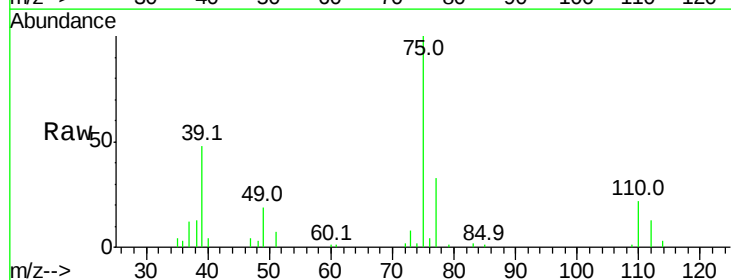
Acq: 26 Dec 2018 11:39

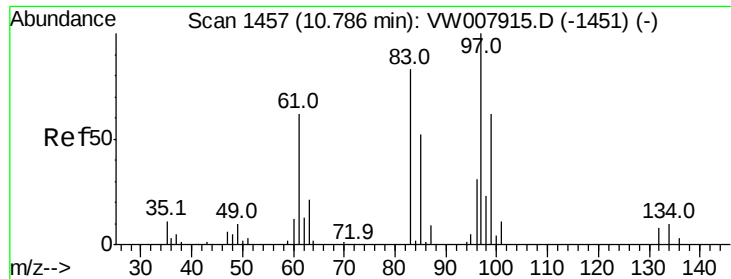
Tgt Ion: 75 Resp: 9416

Ion Ratio Lower Upper

75 100

77 32.6 21.1 39.3





#46

1,1,2-Trichloroethane

Concen: 4.511 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW007918.D

Acq: 26 Dec 2018 11:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD00586

Tgt Ion: 97 Resp: 5093

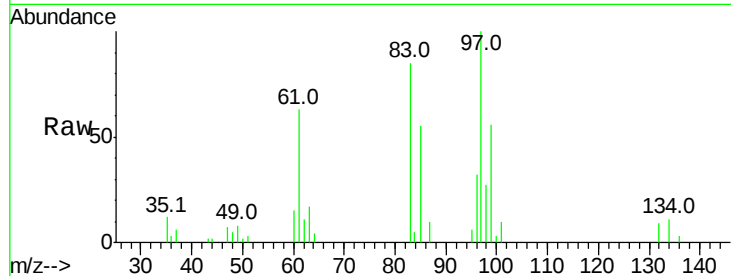
Ion Ratio Lower Upper

97 100

83 84.7 58.4 108.6

85 55.1 36.4 67.6

99 55.9 43.8 81.3

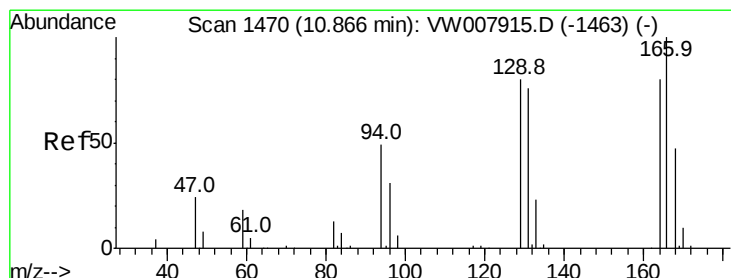
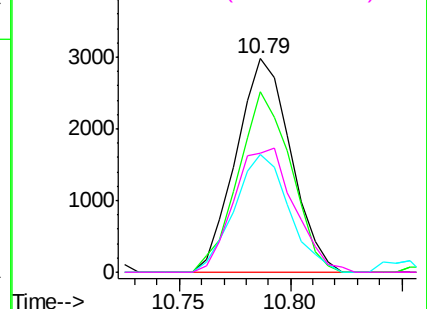
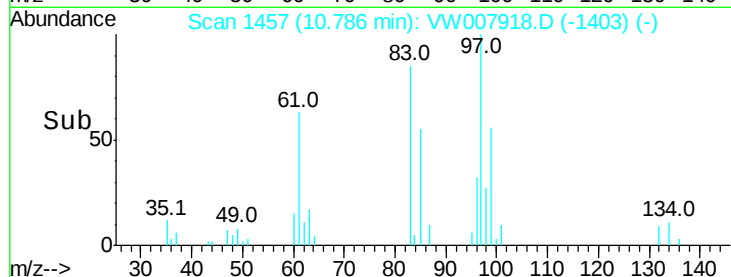


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 5.097 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW007918.D

Acq: 26 Dec 2018 11:39

Tgt Ion: 164 Resp: 6189

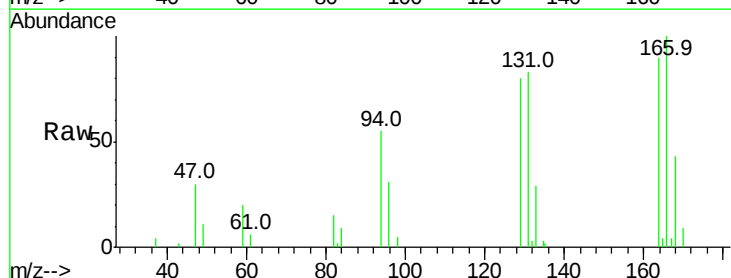
Ion Ratio Lower Upper

164 100

129 89.1 70.6 131.2

131 92.2 66.5 123.5

166 111.6 87.7 162.9

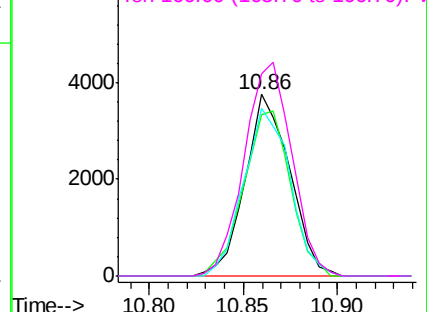
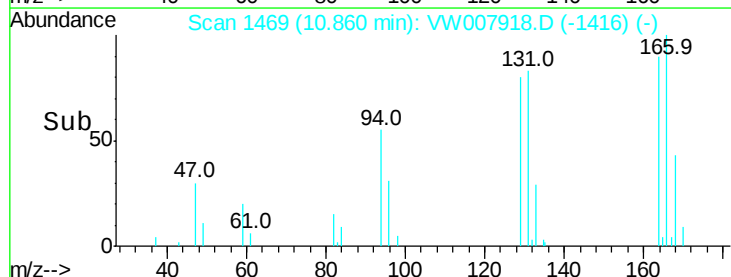


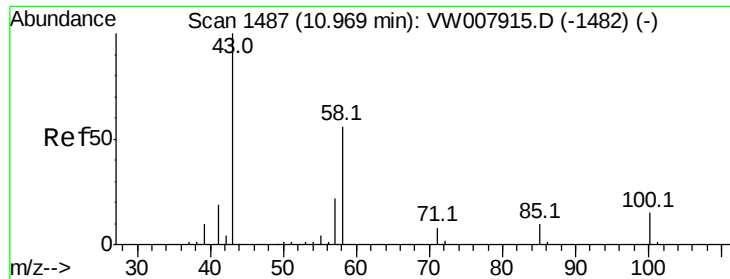
Abundance Ion 164.00 (163.70 to 164.70): V

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: 8.264 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW007918.D

Acq: 26 Dec 2018 11:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD00586

Tgt Ion: 43 Resp: 6304

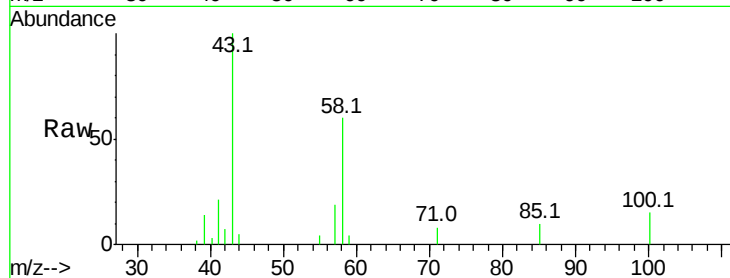
Ion Ratio Lower Upper

43 100

58 56.0 46.2 69.4

57 21.0 17.9 26.9

100 12.7 11.4 17.2

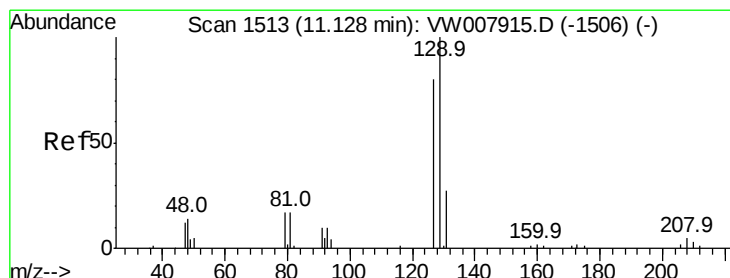
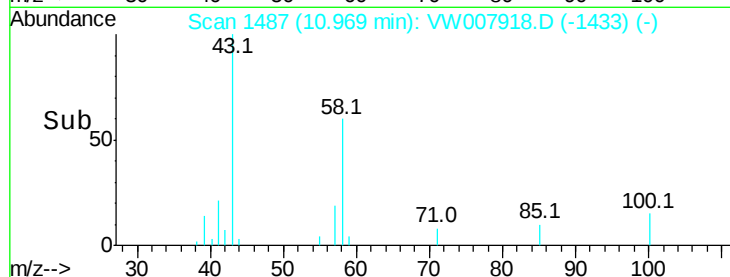
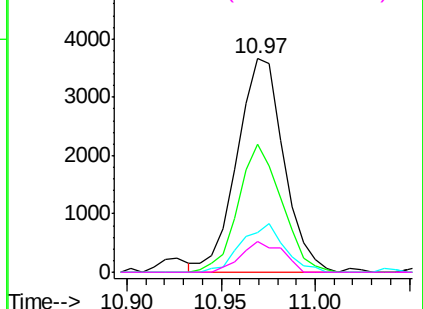


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 4.668 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW007918.D

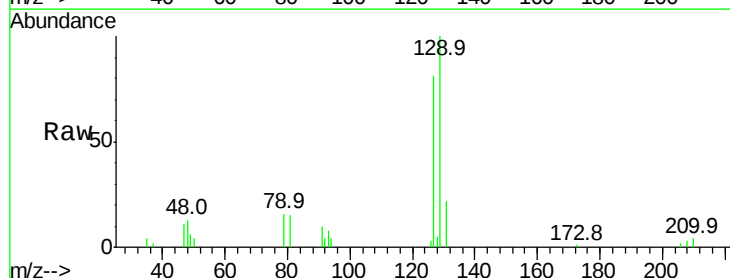
Acq: 26 Dec 2018 11:39

Tgt Ion: 129 Resp: 6475

Ion Ratio Lower Upper

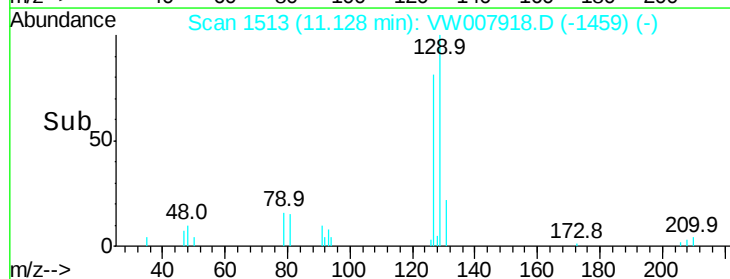
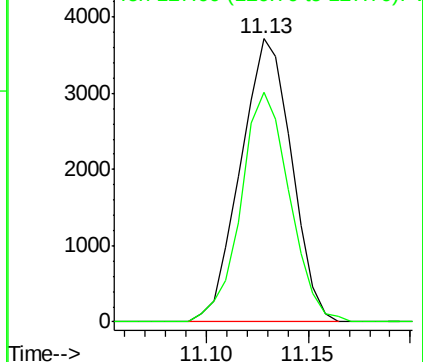
129 100

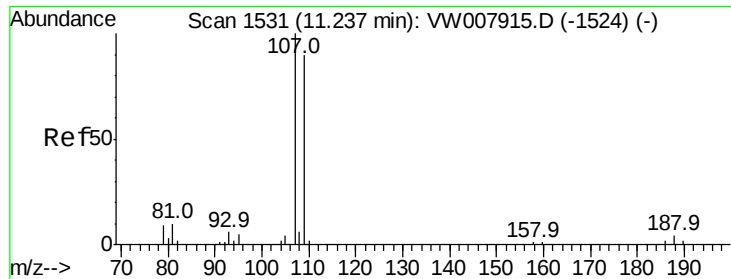
127 81.2 55.8 103.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

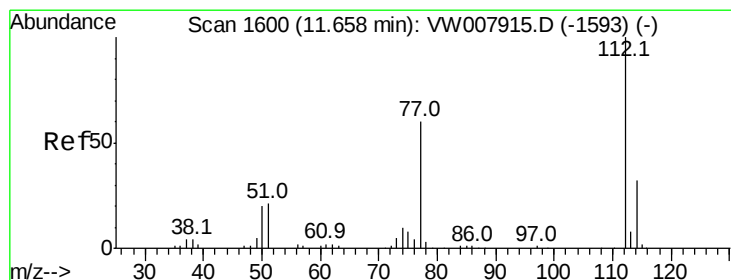
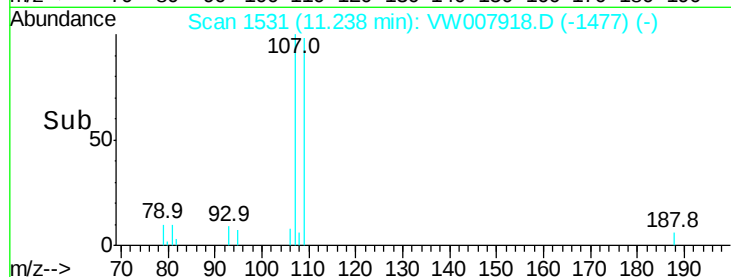
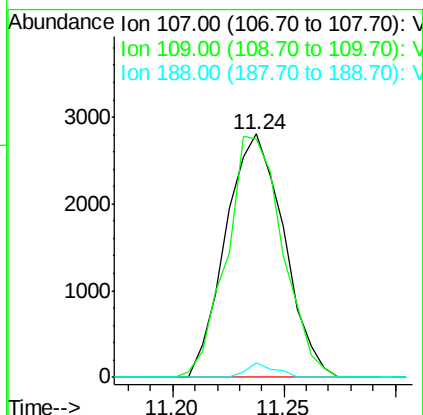
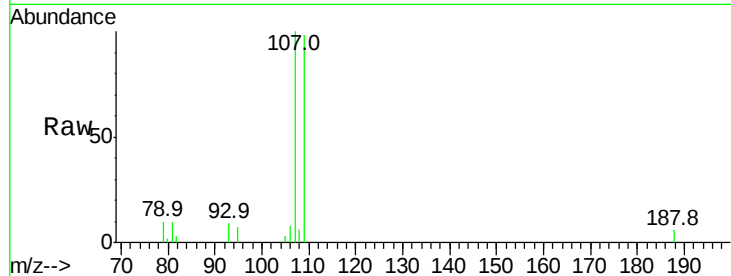




#51
1,2-Dibromoethane
Concen: 4.497 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW007918.D
Acq: 26 Dec 2018 11:39

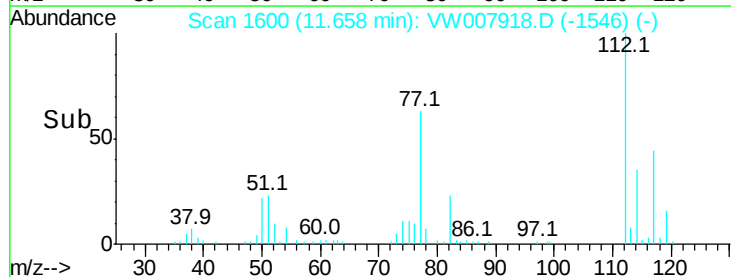
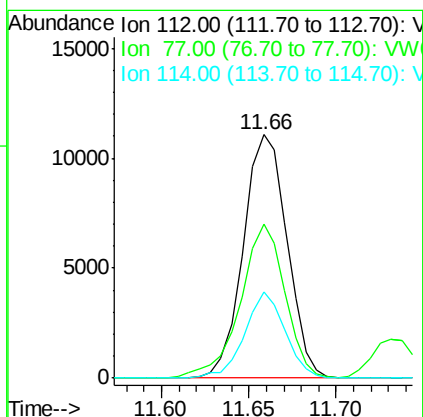
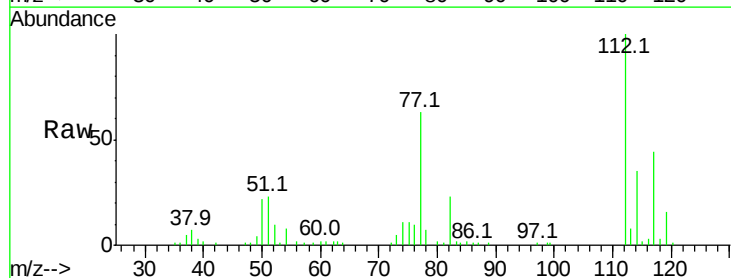
Instrument :
MSVOA_W
ClientSampleId :
VSTD00586

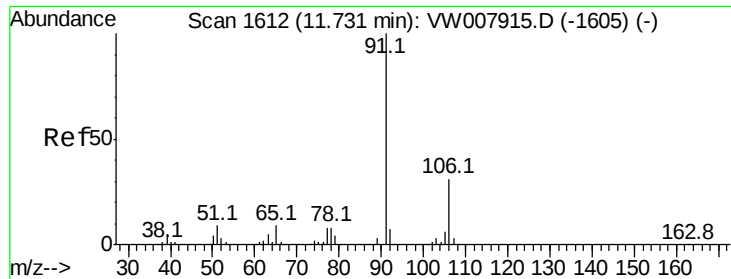
Tgt Ion:107 Resp: 5099
Ion Ratio Lower Upper
107 100
109 98.1 63.2 117.4
188 6.0 3.1 4.7#



#52
Chlorobenzene
Concen: 4.922 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW007918.D
Acq: 26 Dec 2018 11:39

Tgt Ion:112 Resp: 19301
Ion Ratio Lower Upper
112 100
77 63.4 47.8 71.6
114 35.3 22.2 41.2

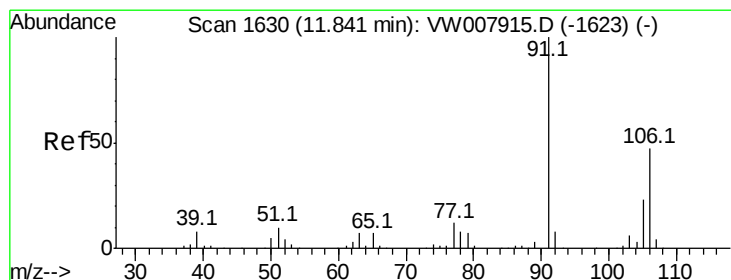
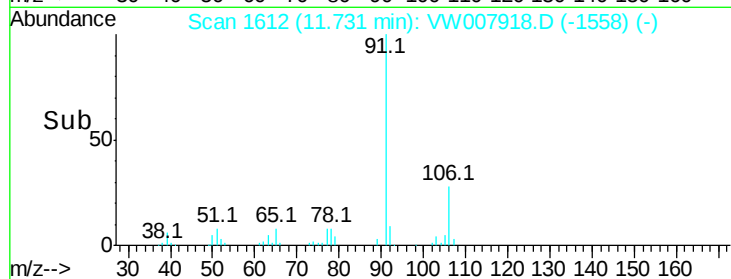
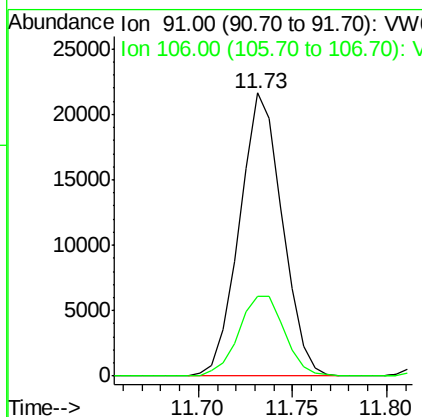
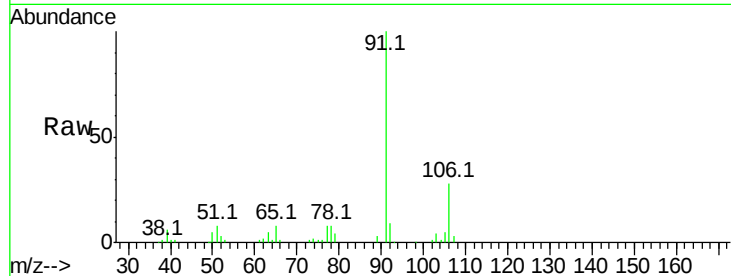




#53
Ethylbenzene
Concen: 5.010 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007918.D
Acq: 26 Dec 2018 11:39

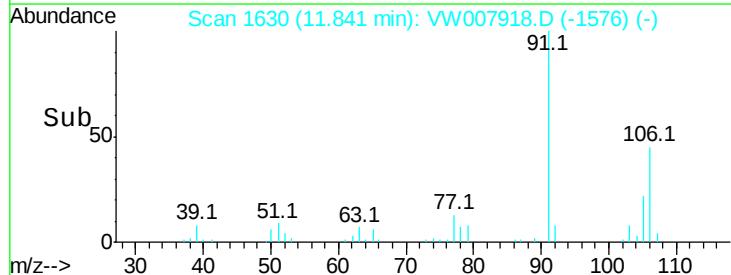
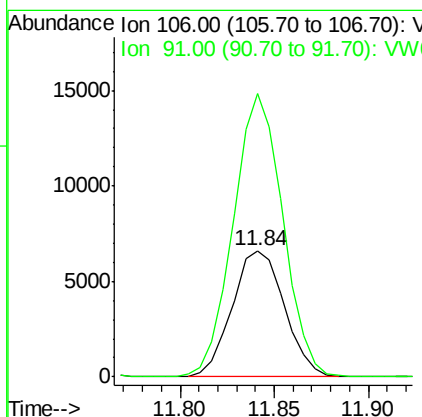
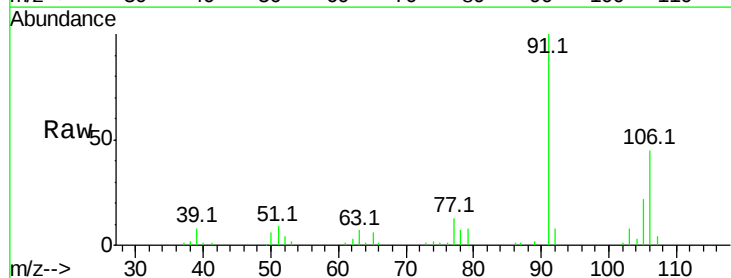
Instrument :
MSVOA_W
ClientSampleId :
VSTD00586

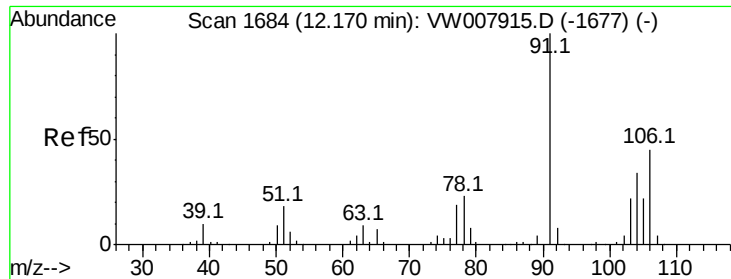
Tgt Ion: 91 Resp: 34035
Ion Ratio Lower Upper
91 100
106 28.3 21.5 39.9



#54
m,p-Xylene
Concen: 4.911 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW007918.D
Acq: 26 Dec 2018 11:39

Tgt Ion: 106 Resp: 12674
Ion Ratio Lower Upper
106 100
91 223.8 147.8 274.4

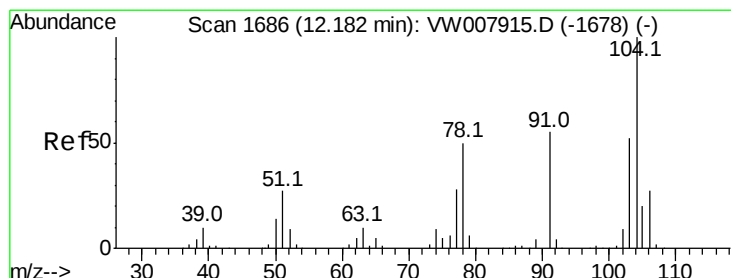
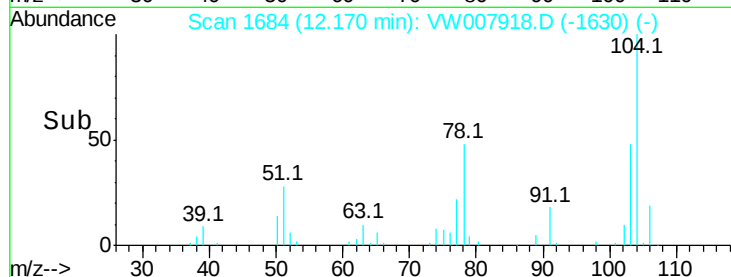
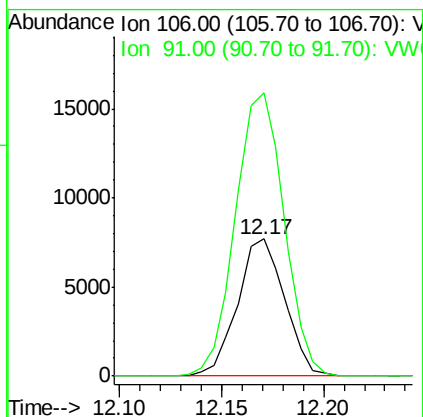
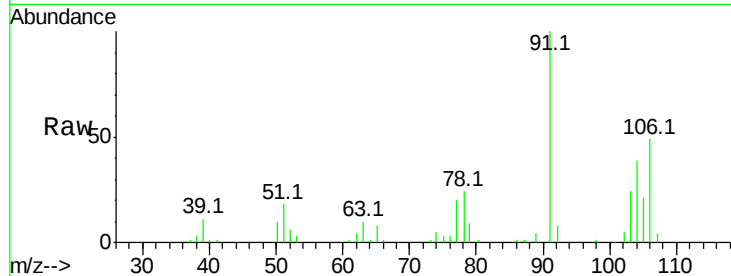




#55
o-xylene
Concen: 5.081 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007918.D
Acq: 26 Dec 2018 11:39

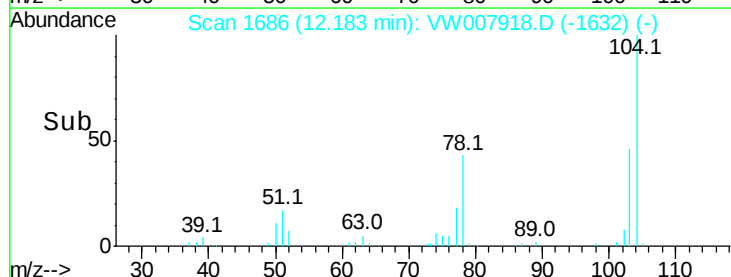
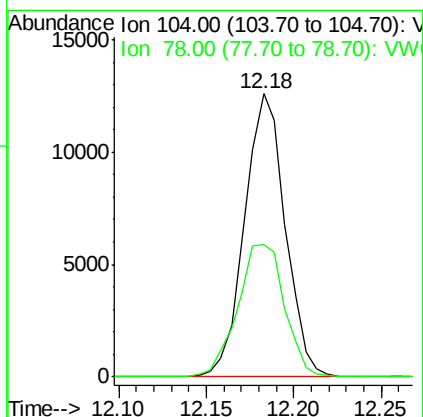
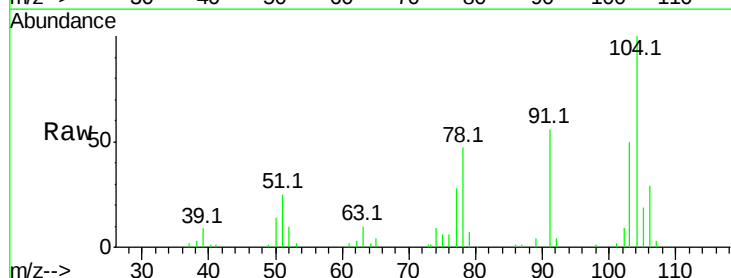
Instrument :
MSVOA_W
ClientSampled :
VSTD00586

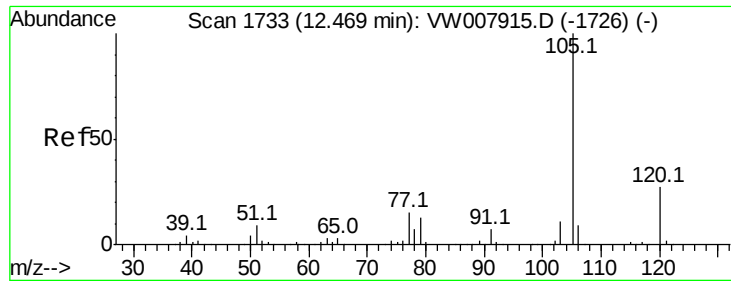
Tgt Ion:106 Resp: 12393
Ion Ratio Lower Upper
106 100
91 206.1 156.0 289.6



#56
Styrene
Concen: 4.874 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007918.D
Acq: 26 Dec 2018 11:39

Tgt Ion:104 Resp: 20378
Ion Ratio Lower Upper
104 100
78 46.8 34.6 64.3





#57

Isopropylbenzene

Concen: 5.009 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW007918.D

Acq: 26 Dec 2018 11:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD00586

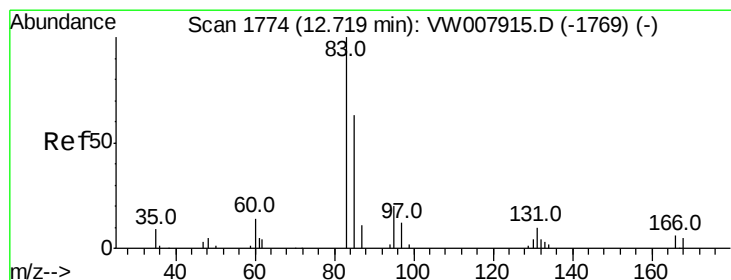
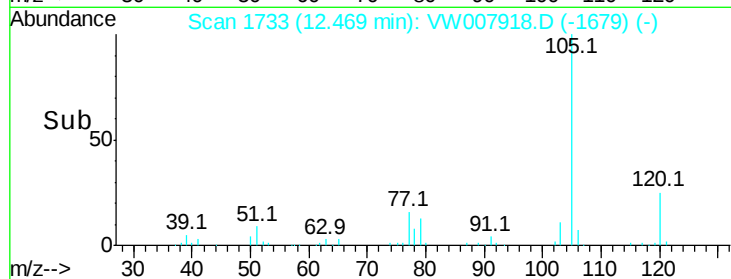
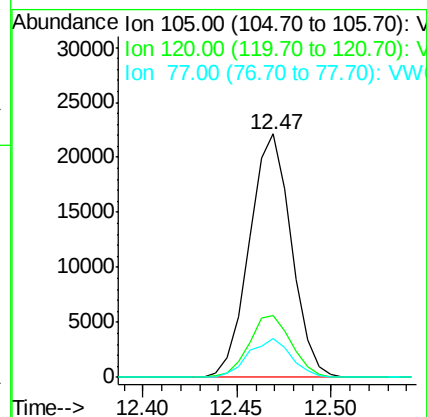
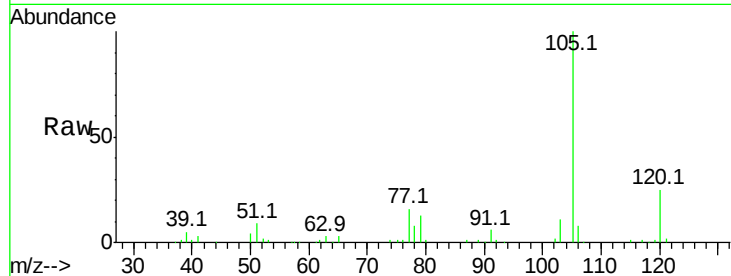
Tgt Ion:105 Resp: 34099

Ion Ratio Lower Upper

105 100

120 25.8 21.1 31.7

77 16.0 12.4 18.6



#58

1,1,2,2-Tetrachloroethane

Concen: 4.337 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW007918.D

Acq: 26 Dec 2018 11:39

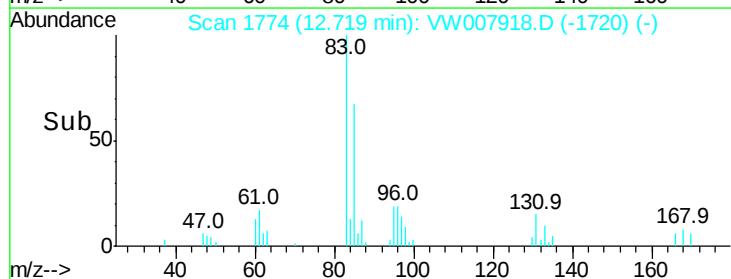
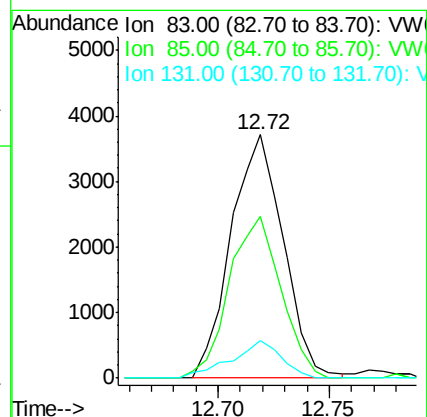
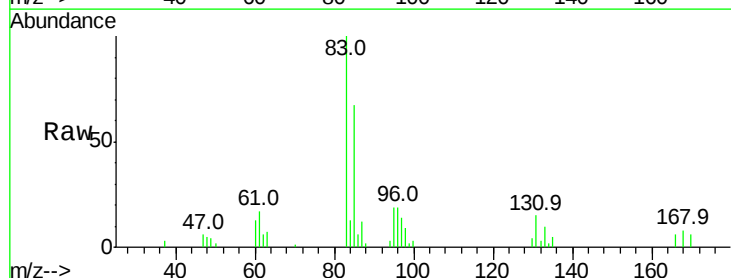
Tgt Ion: 83 Resp: 6071

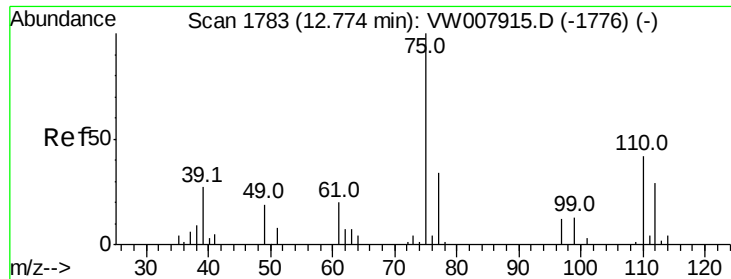
Ion Ratio Lower Upper

83 100

85 66.6 46.6 86.6

131 15.2 9.7 14.5#





#59

1,2,3-Trichloropropane

Concen: 4.406 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW007918.D

Acq: 26 Dec 2018 11:39

Instrument :

MSVOA_W

ClientSampleId :

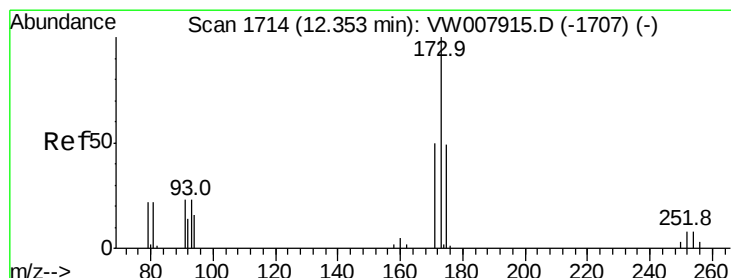
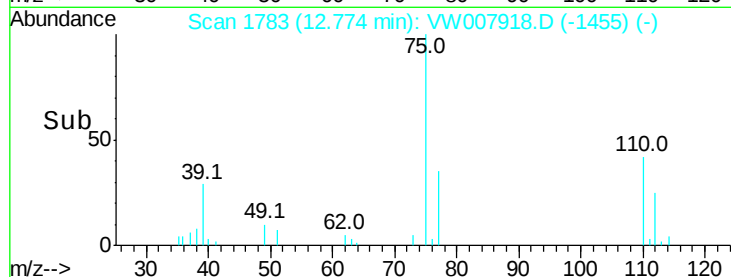
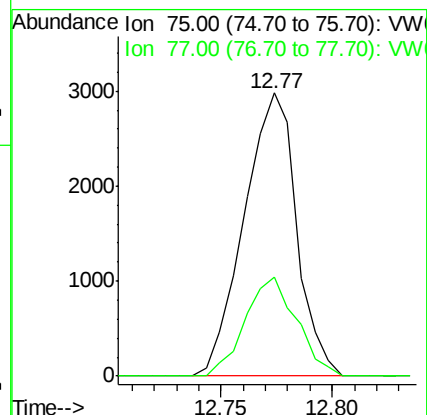
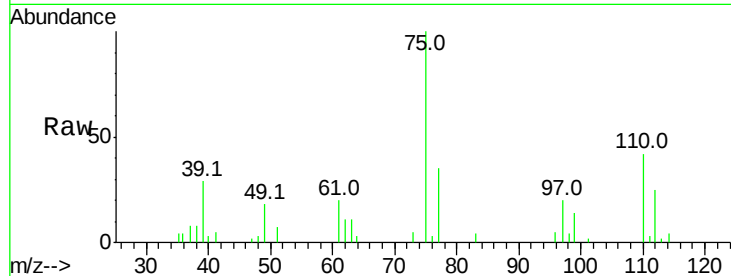
VSTD00586

Tgt Ion: 75 Resp: 4881

Ion Ratio Lower Upper

75 100

77 34.3 25.5 38.3



#62

Bromoform

Concen: 4.179 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW007918.D

Acq: 26 Dec 2018 11:39

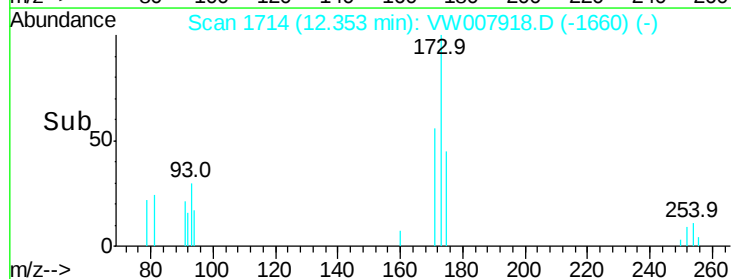
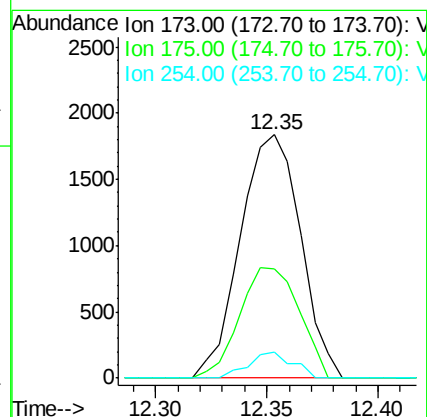
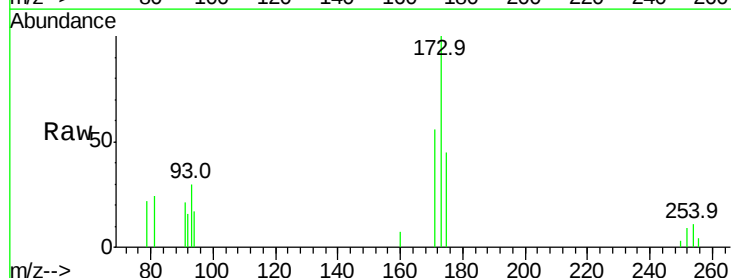
Tgt Ion: 173 Resp: 3457

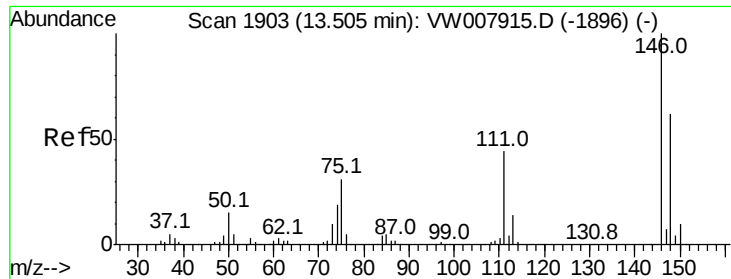
Ion Ratio Lower Upper

173 100

175 45.2 39.0 58.4

254 7.7 5.8 8.8





#63

1,3-Dichlorobenzene

Concen: 5.074 ug/L

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW007918.D

Acq: 26 Dec 2018 11:39

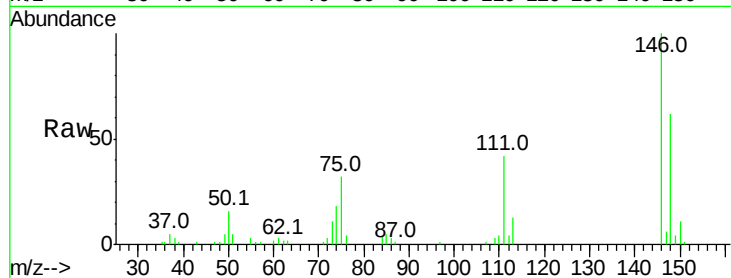
Instrument :

MSVOA_W

ClientSampleId :

VSTD00586

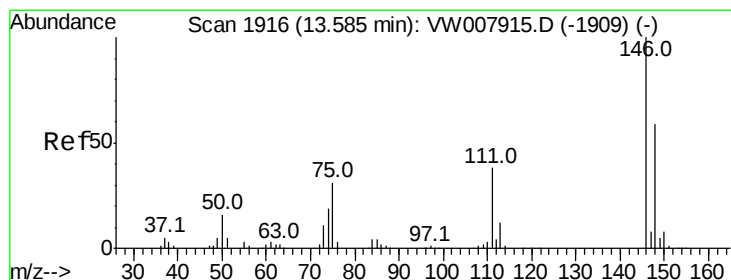
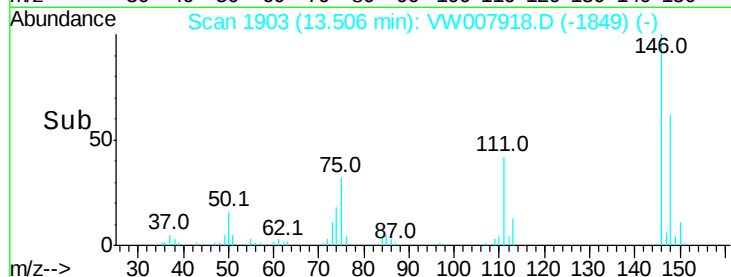
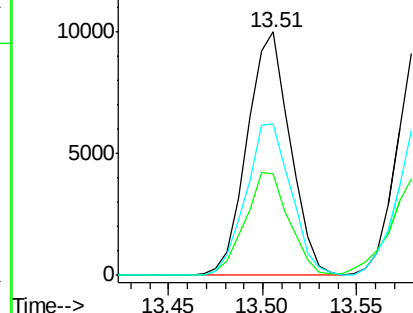
Tgt Ion:	146	Resp:	15747
Ion	Ratio	Lower	Upper
146	100		
111	41.6	31.0	57.6
148	62.3	43.6	81.0



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: 5.054 ug/L

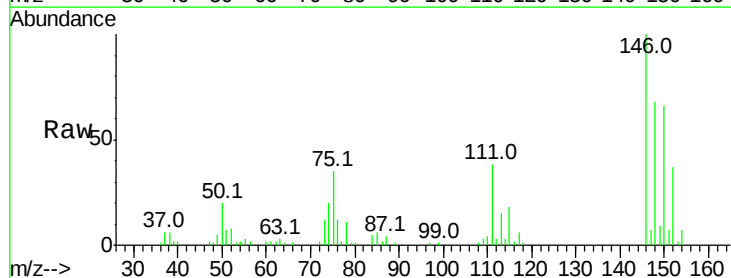
RT: 13.58 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VW007918.D

Acq: 26 Dec 2018 11:39

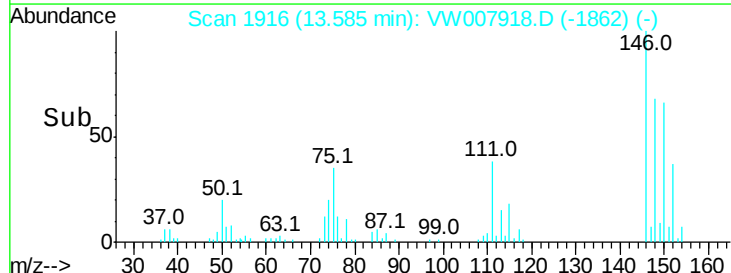
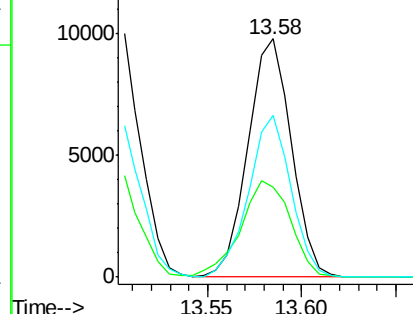
Tgt Ion:	146	Resp:	15637
Ion	Ratio	Lower	Upper
146	100		
111	38.0	26.9	49.9
148	68.2	41.6	77.3

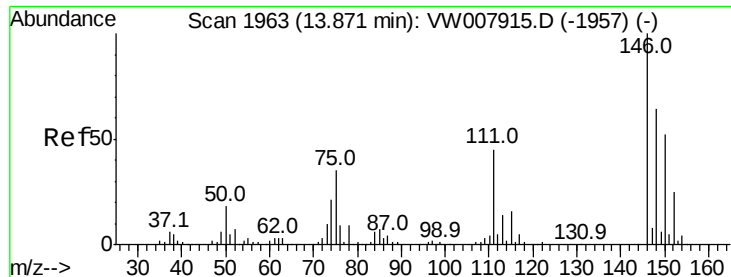


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.168 ug/L

RT: 13.88 min Scan# 1964

Delta R.T. 0.01 min

Lab File: VW007918.D

Acq: 26 Dec 2018 11:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD00586

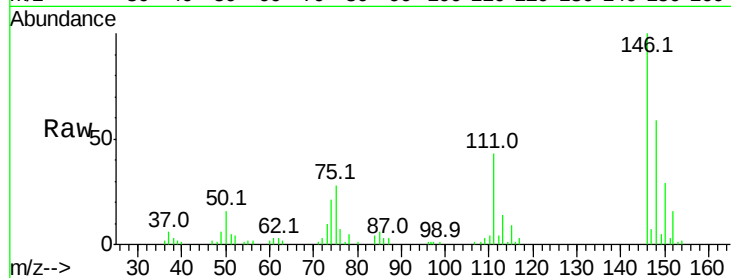
Tgt Ion:146 Resp: 14355

Ion Ratio Lower Upper

146 100

111 43.1 36.4 54.6

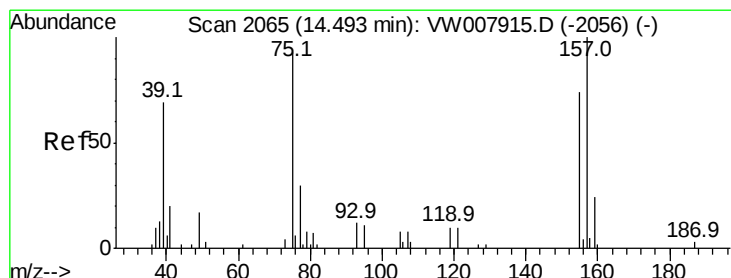
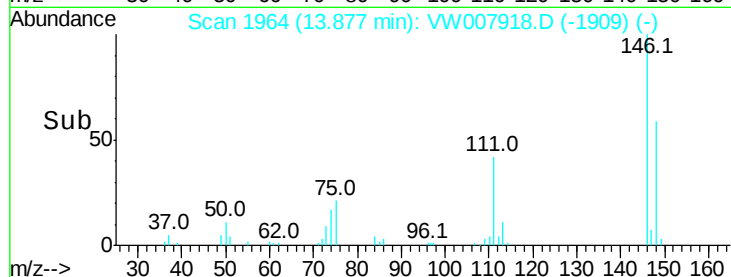
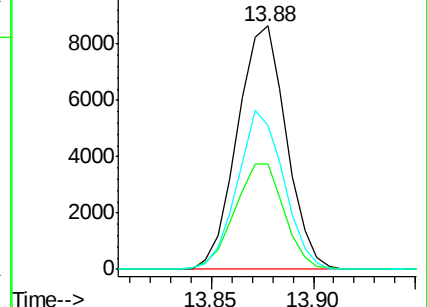
148 58.8 51.0 76.4



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: 4.266 ug/L

RT: 14.49 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VW007918.D

Acq: 26 Dec 2018 11:39

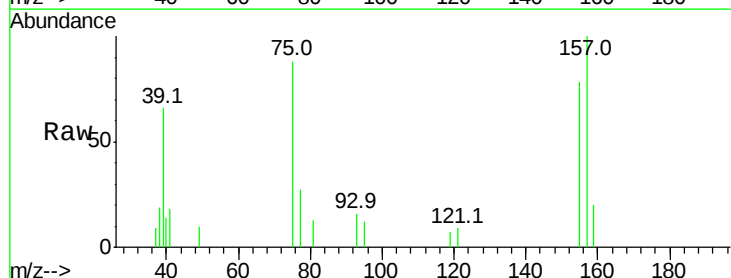
Tgt Ion: 75 Resp: 1255

Ion Ratio Lower Upper

75 100

157 113.3 85.6 128.4

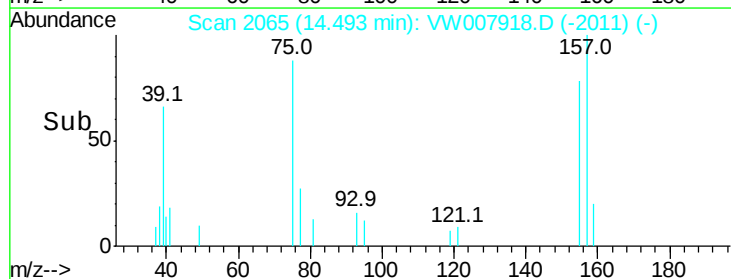
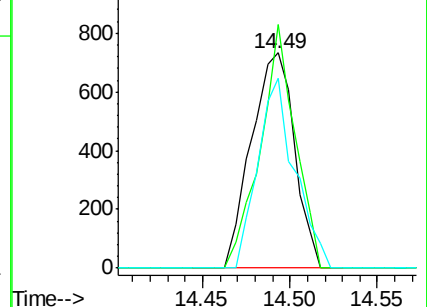
155 88.1 63.4 95.0

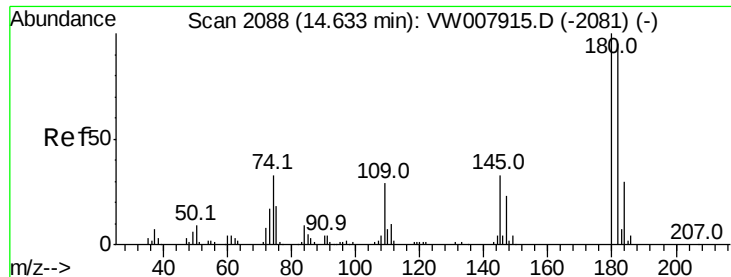


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

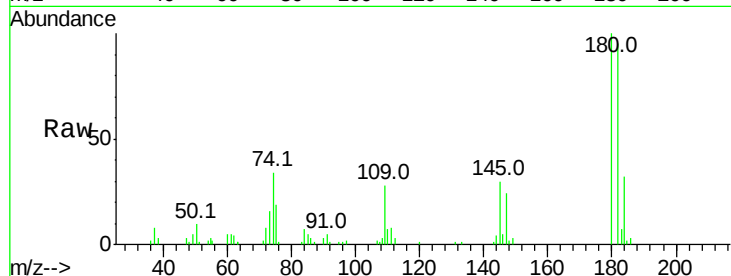




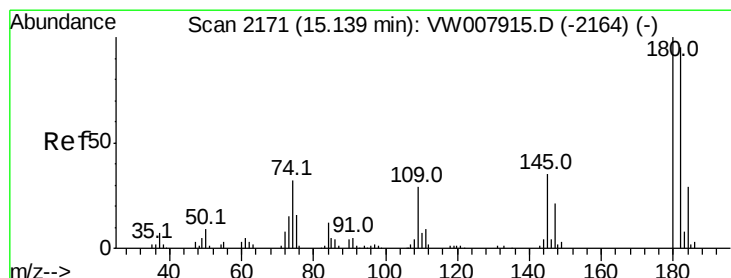
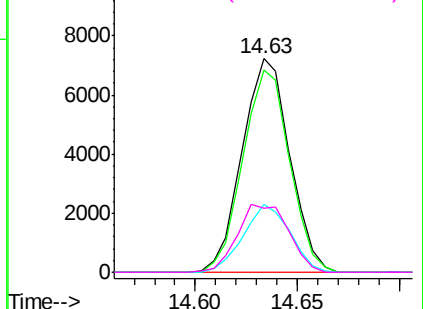
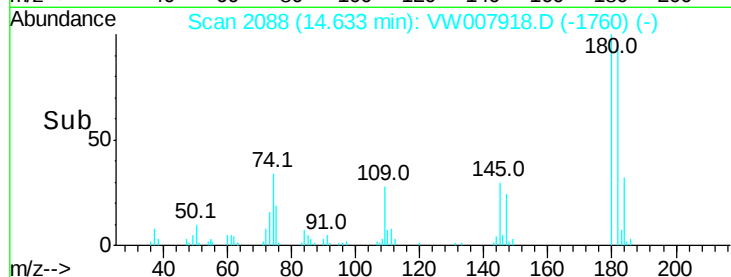
#67
 1,3,5-Trichlorobenzene
 Concen: 5.219 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW007918.D
 Acq: 26 Dec 2018 11:39

Instrument :
 MSVOA_W
 ClientSampled :
 VSTD00586

Tgt Ion:180 Resp: 11733
 Ion Ratio Lower Upper
 180 100
 182 93.1 75.0 112.4
 184 31.0 23.5 35.3
 145 34.2 26.6 39.8

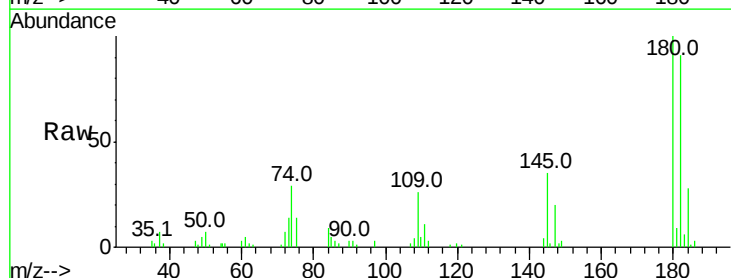


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

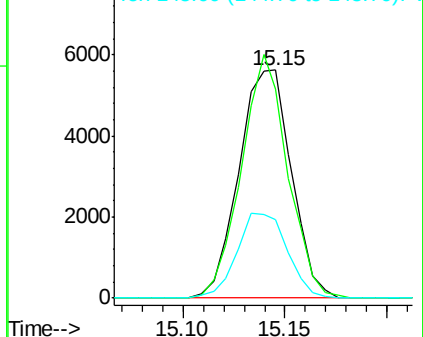
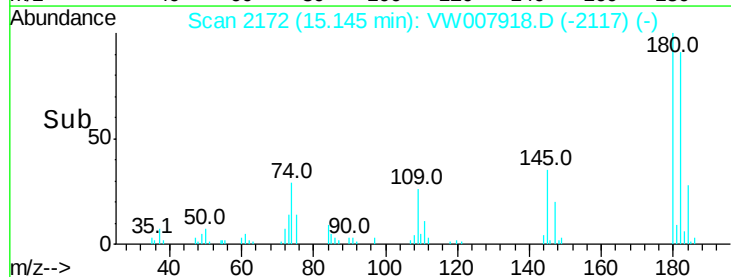


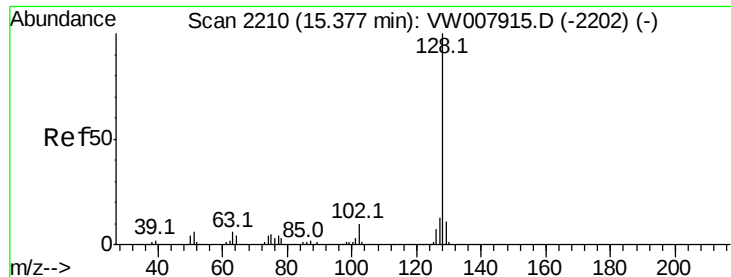
#68
 1,2,4-trichlorobenzene
 Concen: 5.191 ug/L
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.01 min
 Lab File: VW007918.D
 Acq: 26 Dec 2018 11:39

Tgt Ion:180 Resp: 10061
 Ion Ratio Lower Upper
 180 100
 182 94.0 77.0 115.6
 145 35.7 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: 4.318 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW007918.D

Acq: 26 Dec 2018 11:39

Instrument :

MSVOA_W

ClientSampleId :

VSTD00586

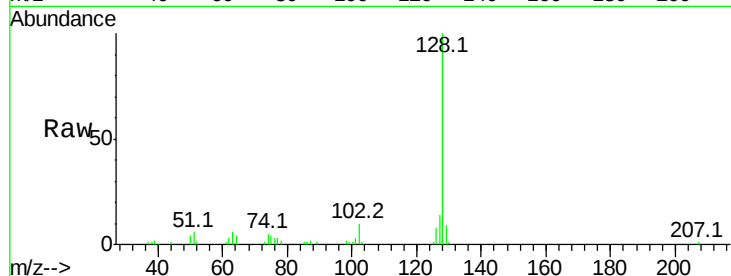
Tgt Ion:128 Resp: 20686

Ion Ratio Lower Upper

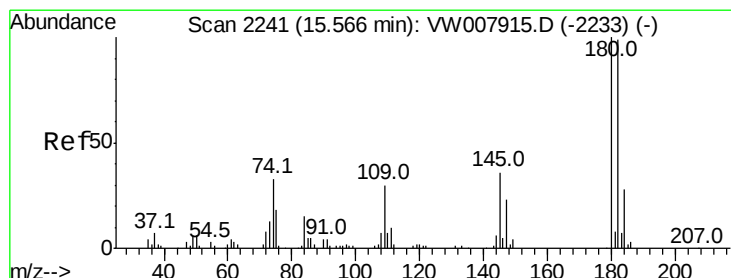
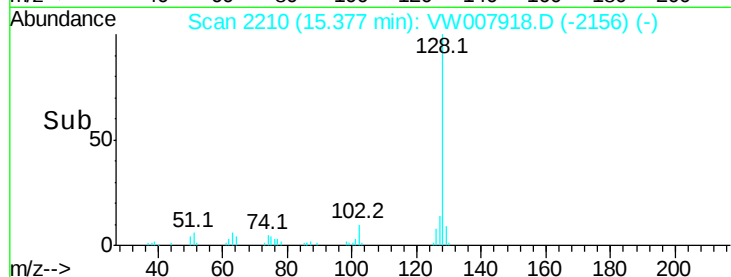
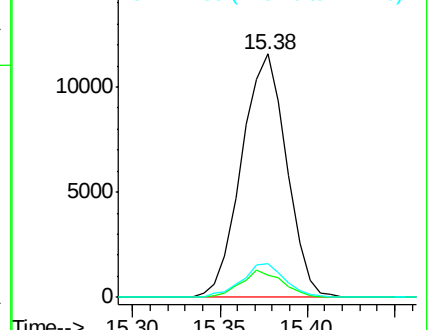
128 100

129 10.3 8.8 13.2

127 13.4 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: 4.923 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW007918.D

Acq: 26 Dec 2018 11:39

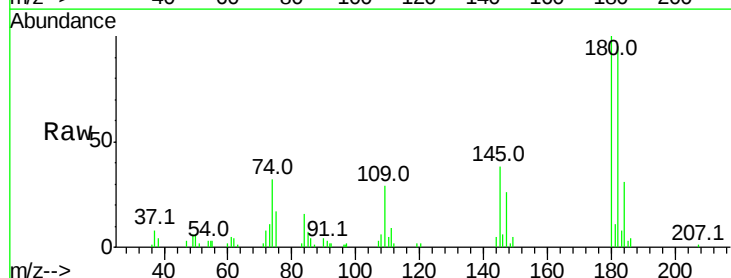
Tgt Ion:180 Resp: 8675

Ion Ratio Lower Upper

180 100

182 93.8 75.8 113.6

145 39.4 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

