

Data File : VW007913.D
Acq On : 26 Dec 2018 08:37
Operator : SY/AP
Sample : VSTD2.581
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.581

Quant Time: Dec 26 10:35:28 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	113989	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	103151	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	50260	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	2331	3.14	ug/L	0.00
7) Chloroethane-d5	2.90	69	1648	2.62	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	6626	2.59	ug/L	0.00
20) 2-Butanone-d5	7.07	46	912	1.95	ug/L	0.00
24) Chloroform-d	7.65	84	6750	2.51	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	3927	2.57	ug/L	0.00
29) Benzene-d6	8.27	84	12273	2.19	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	3567	2.23	ug/L	0.00
37) Toluene-d8	10.32	98	11970	2.28	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	1885	2.31	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	1438	3.74	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	3064	2.10	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	4590	2.60	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	1648	1.324 ug/L #	48
3) Chloromethane	2.21	50	2715	2.724 ug/L	97
5) Vinyl chloride	2.37	62	3494	3.716 ug/L	97
6) Bromomethane	2.78	94	2101	3.231 ug/L	94
8) Chloroethane	2.93	64	891	1.574 ug/L	91
9) Trichlorofluoromethane	3.26	101	2572	2.383 ug/L	96
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	2839	1.973 ug/L #	80
12) 1,1-Dichloroethene	4.03	96	3445	2.573 ug/L	95
13) Acetone	4.12	43	1956	3.594 ug/L	75
14) Carbon disulfide	4.37	76	10199	2.609 ug/L	97
15) Methyl Acetate	4.68	43	1594	1.953 ug/L #	55
16) Methylene chloride	4.90	84	10541	5.723 ug/L	98
17) Methyl tert-butyl Ether	5.43	73	5846	2.686 ug/L #	72
18) trans-1,2-Dichloroethene	5.42	96	3698	2.575 ug/L	89
19) 1,1-Dichloroethane	6.21	63	6559	2.679 ug/L	98
21) 2-Butanone	7.18	43	2166	3.703 ug/L	84
22) cis-1,2-Dichloroethene	7.17	96	3826	2.421 ug/L	84
23) Bromochloromethane	7.51	128	1739	2.414 ug/L	92
25) Chloroform	7.68	83	6828	2.578 ug/L	97
27) 1,2-Dichloroethane	8.40	62	4814	2.542 ug/L	98
30) Cyclohexane	7.95	56	5749	2.323 ug/L	94
31) 1,1,1-Trichloroethane	7.87	97	6424	2.646 ug/L	96
32) Carbon tetrachloride	8.07	117	6180	2.634 ug/L	99
34) Benzene	8.32	78	14111	2.387 ug/L	100
35) Trichloroethene	9.09	95	4160	2.454 ug/L	99
36) Methylcyclohexane	9.34	83	7056	2.411 ug/L	99
40) 1,2-Dichloropropane	9.37	63	3375	2.334 ug/L #	91
41) Bromodichloromethane	9.65	83	4872	2.346 ug/L #	97
42) cis-1,3-Dichloropropene	10.07	75	5695	2.345 ug/L	95
43) 4-Methyl-2-pentanone	10.21	43	4757	4.156 ug/L	98

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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)
44) Toluene	10.39	91	16689	2.619	ug/L	98
45) trans-1,3-Dichloropropene	10.61	75	5045	2.365	ug/L	94
46) 1,1,2-Trichloroethane	10.79	97	2882	2.420	ug/L	94
47) Tetrachloroethene	10.86	164	3209	2.506	ug/L	96
49) 2-Hexanone	10.98	43	3182	3.955	ug/L #	93
50) Dibromochloromethane	11.13	129	3438	2.350	ug/L	98
51) 1,2-Dibromoethane	11.23	107	2684	2.244	ug/L #	87
52) Chlorobenzene	11.66	112	10717	2.591	ug/L	94
53) Ethylbenzene	11.73	91	18154	2.533	ug/L	94
54) m,p-Xylene	11.84	106	7088	2.604	ug/L	86
55) o-xylene	12.17	106	6387	2.483	ug/L	98
56) Styrene	12.18	104	10765	2.441	ug/L	99
57) Isopropylbenzene	12.47	105	18493	2.576	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.72	83	3243	2.197	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	2578	2.206	ug/L	98
62) Bromoform	12.35	173	1746	2.029	ug/L #	94
63) 1,3-Dichlorobenzene	13.51	146	8246	2.554	ug/L	90
64) 1,4-Dichlorobenzene	13.58	146	8554	2.657	ug/L	89
65) 1,2-Dichlorobenzene	13.88	146	7677	2.657	ug/L	93
66) 1,2-Dibromo-3-chloropropan	14.63	75	1061	3.467	ug/L #	2
67) 1,3,5-Trichlorobenzene	14.63	180	6003	2.567	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	4844	2.402	ug/L	98
69) Naphthalene	15.38	128	9849	1.976	ug/L	98
70) 1,2,3-Trichlorobenzene	15.57	180	4327	2.360	ug/L	96

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

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```
ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
VSTD2.581

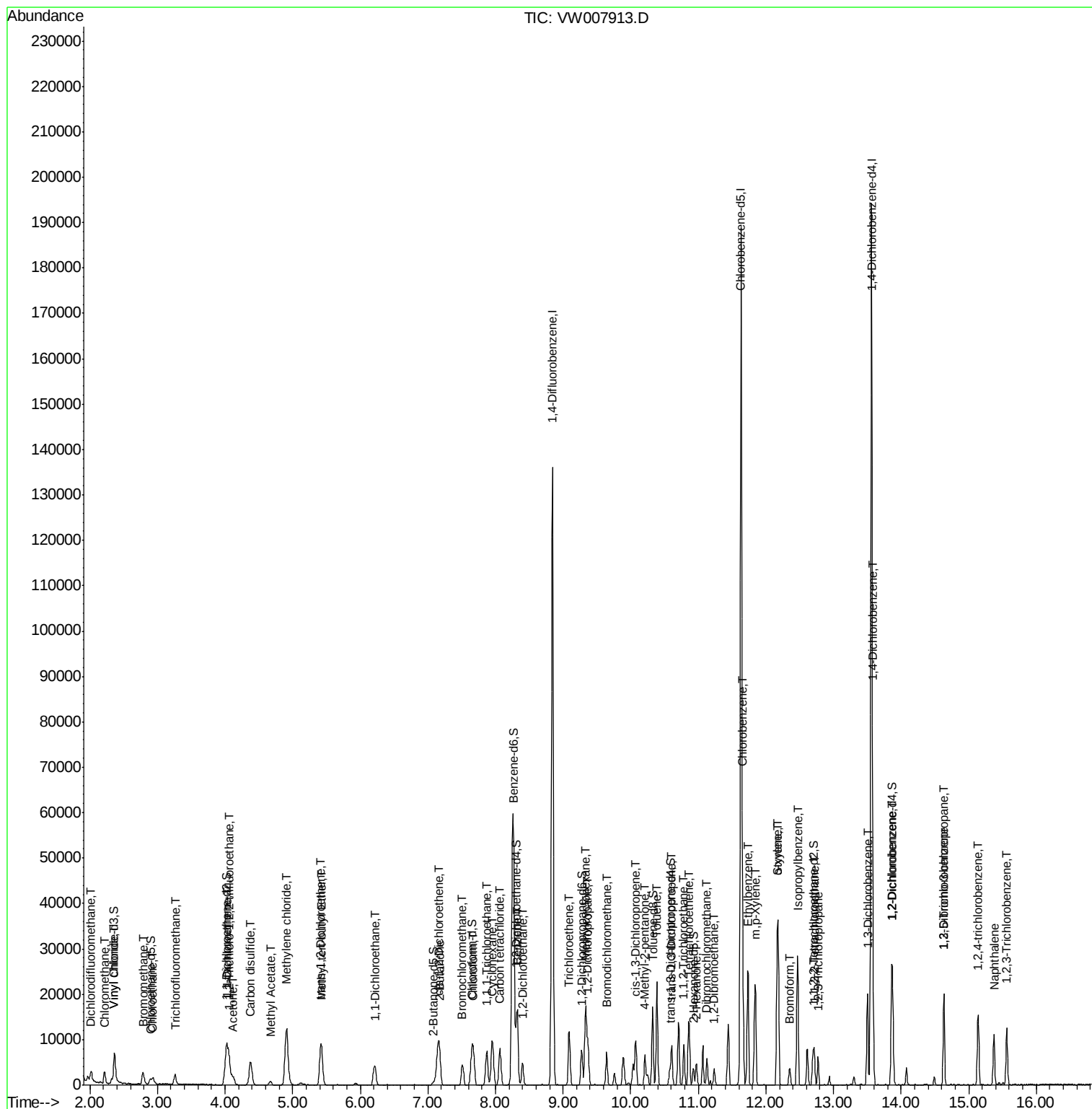
Quant Time: Dec 26 10:35:28 2018

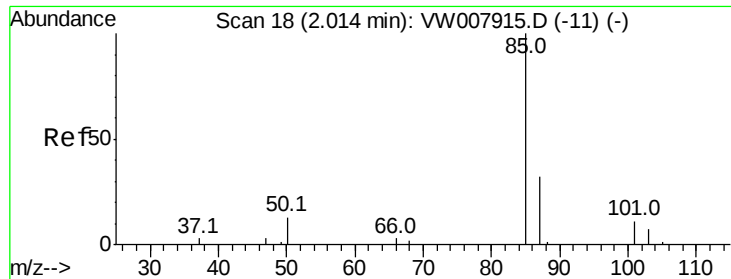
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M

Quant Title : VOC Analysis

QLast Update : Wed Dec 26 10:32:54 2018

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 1.324 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

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Acq: 26 Dec 2018 08:37

Instrument :

MSVOA_W

ClientSampleId :

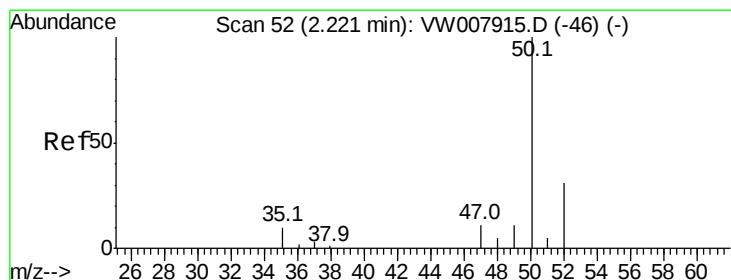
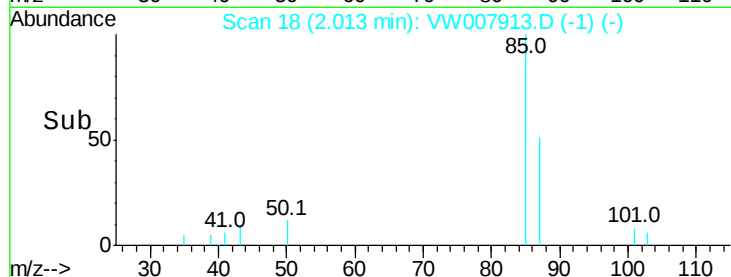
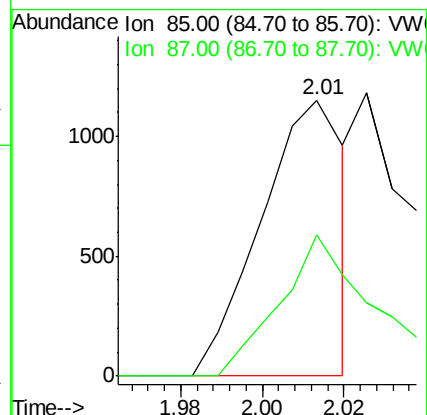
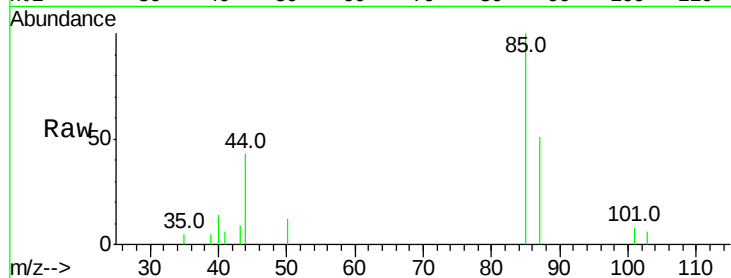
VSTD2.581

Tgt Ion: 85 Resp: 1648

Ion Ratio Lower Upper

85 100

87 57.2 20.6 38.4#



#3

Chloromethane

Concen: 2.724 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007913.D

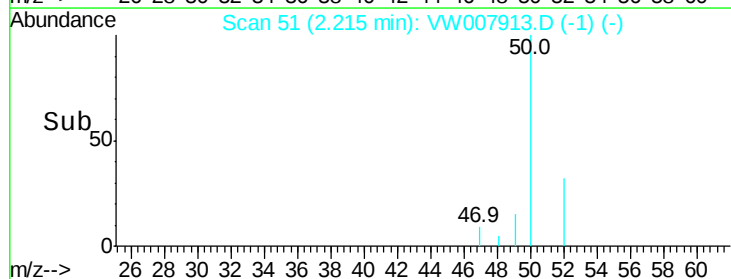
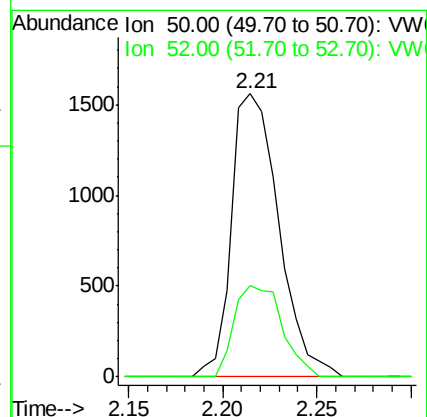
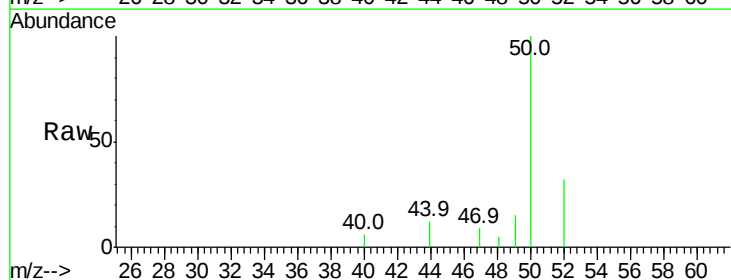
Acq: 26 Dec 2018 08:37

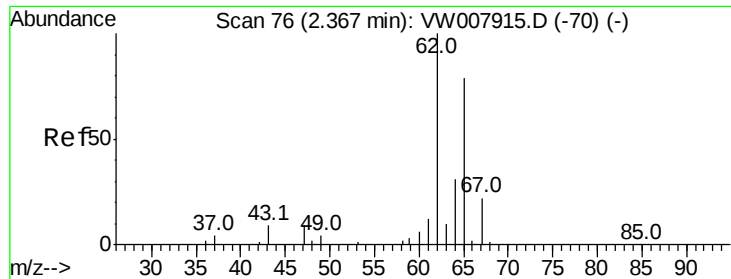
Tgt Ion: 50 Resp: 2715

Ion Ratio Lower Upper

50 100

52 32.2 21.4 39.8





#5

Vinyl chloride

Concen: 3.716 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007913.D

Acq: 26 Dec 2018 08:37

Instrument :

MSVOA_W

ClientSampleId :

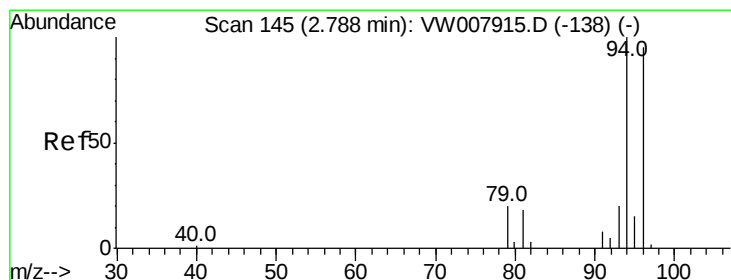
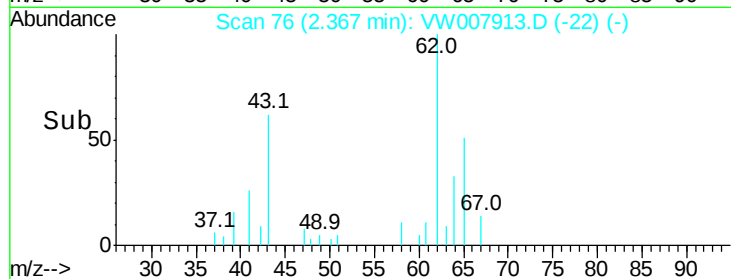
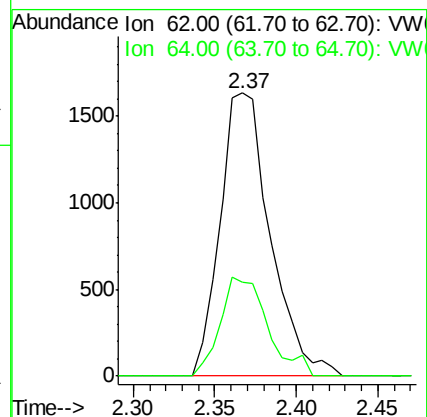
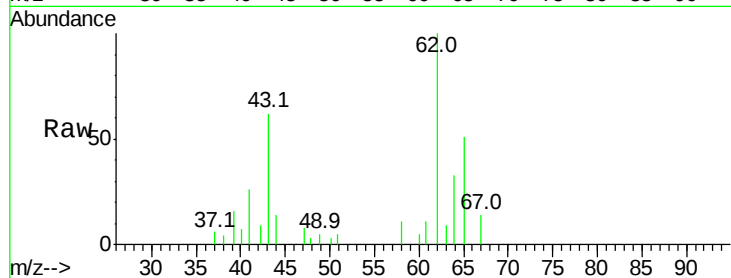
VSTD2.581

Tgt Ion: 62 Resp: 3494

Ion Ratio Lower Upper

62 100

64 33.3 22.0 41.0



#6

Bromomethane

Concen: 3.231 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW007913.D

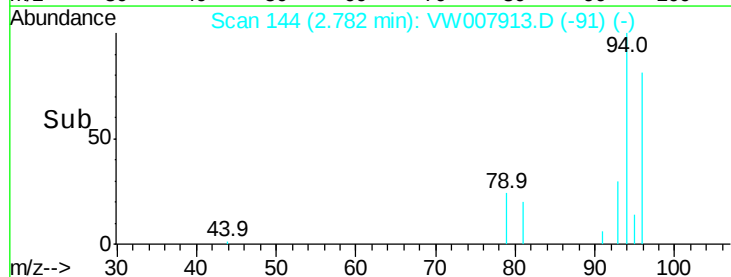
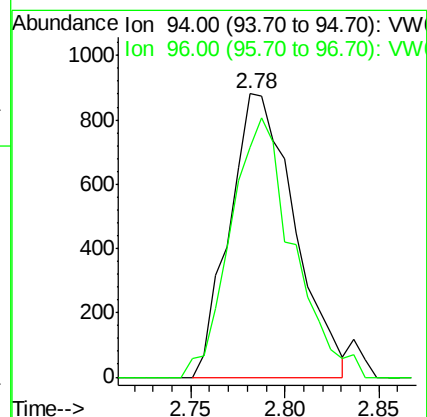
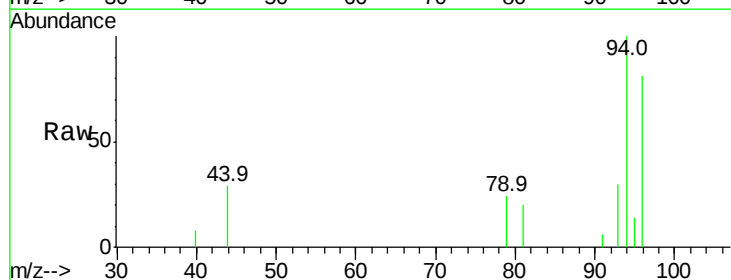
Acq: 26 Dec 2018 08:37

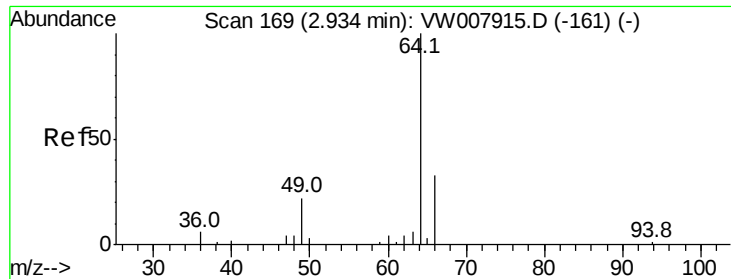
Tgt Ion: 94 Resp: 2101

Ion Ratio Lower Upper

94 100

96 87.0 9.2 175.4





#8

Chloroethane

Concen: 1.574 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW007913.D

Acq: 26 Dec 2018 08:37

Instrument :

MSVOA_W

ClientSampleId :

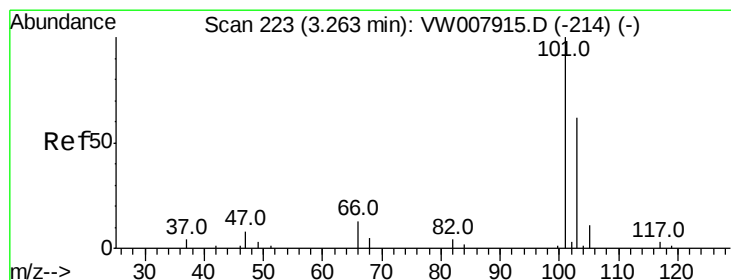
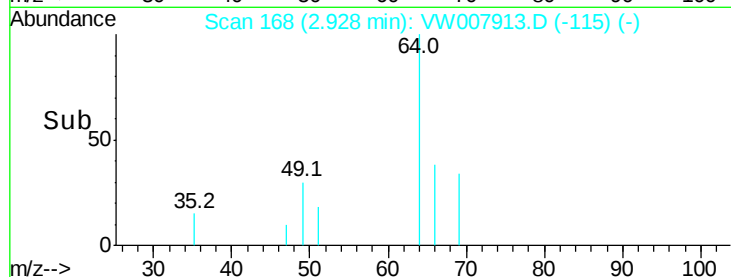
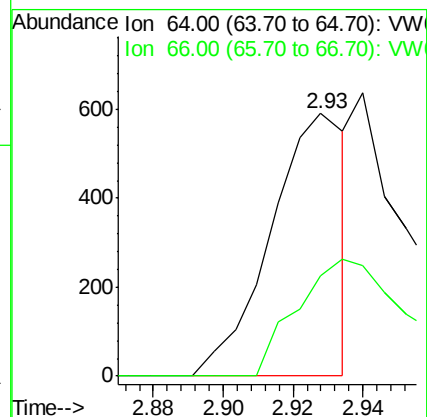
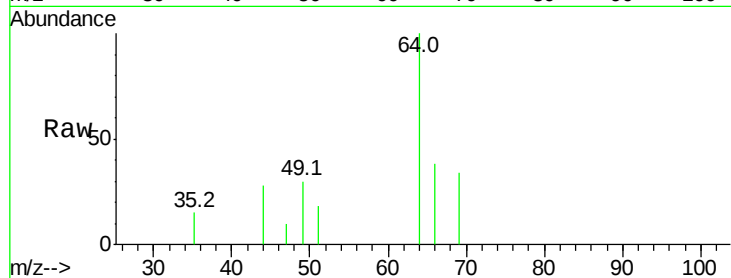
VSTD2.581

Tgt Ion: 64 Resp: 891

Ion Ratio Lower Upper

64 100

66 38.4 23.3 43.3



#9

Trichlorofluoromethane

Concen: 2.383 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW007913.D

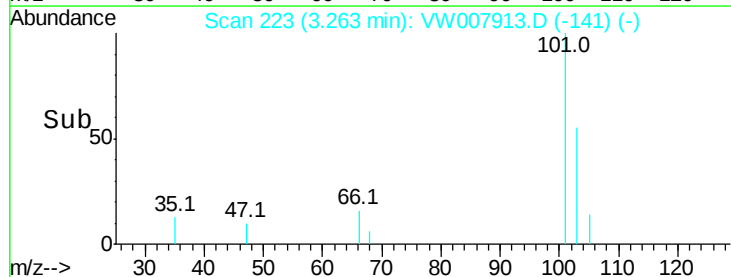
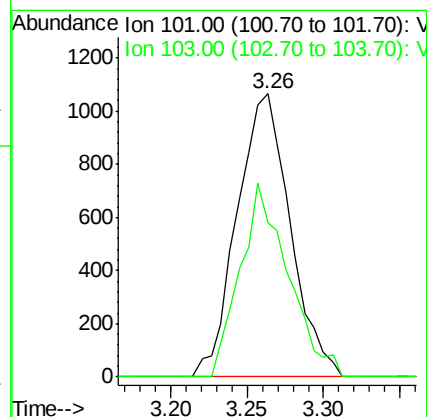
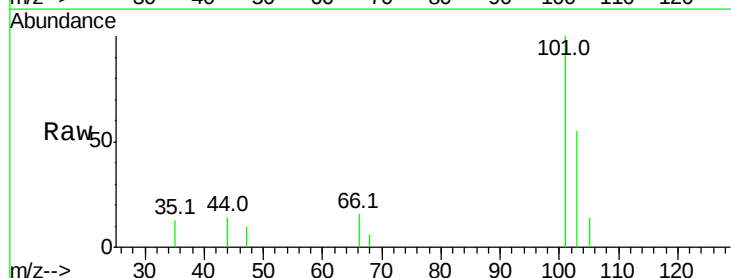
Acq: 26 Dec 2018 08:37

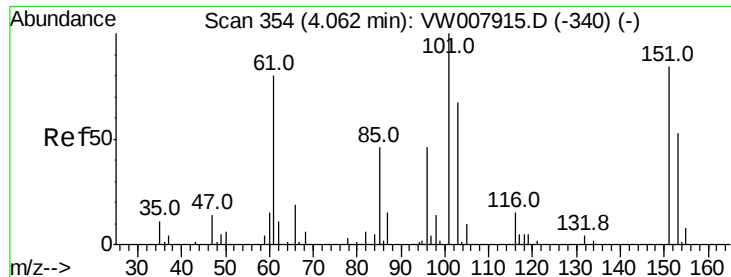
Tgt Ion: 101 Resp: 2572

Ion Ratio Lower Upper

101 100

103 60.5 44.7 83.1





#11

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

Concen: 1.973 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW007913.D

Acq: 26 Dec 2018 08:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.581

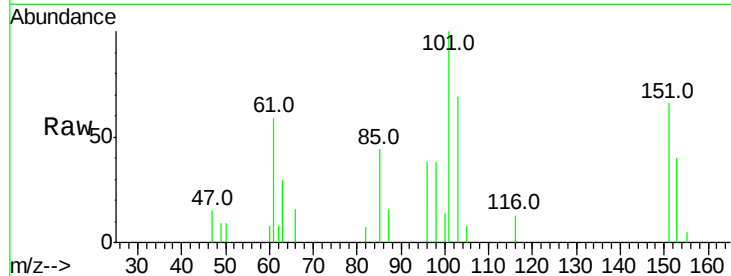
Tgt Ion:101 Resp: 2839

Ion Ratio Lower Upper

101 100

85 7.5 33.4 50.2#

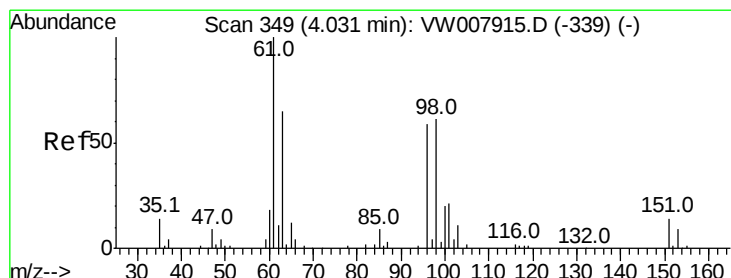
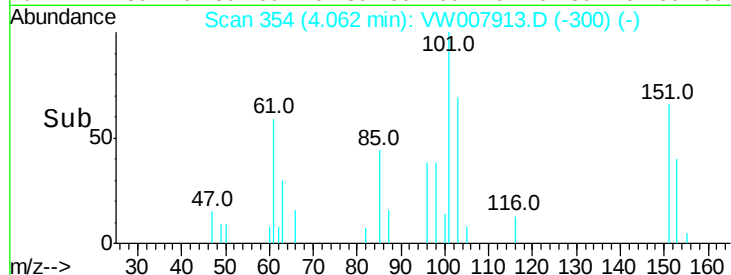
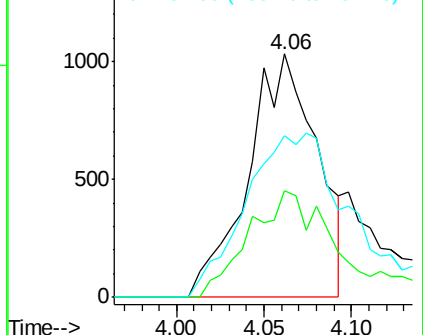
151 80.6 63.2 94.8



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: 2.573 ug/L

RT: 4.03 min Scan# 348

Delta R.T. -0.01 min

Lab File: VW007913.D

Acq: 26 Dec 2018 08:37

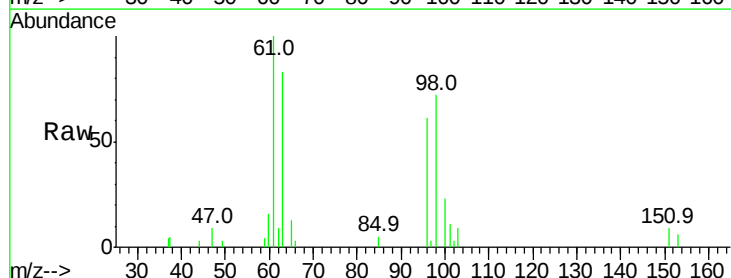
Tgt Ion: 96 Resp: 3445

Ion Ratio Lower Upper

96 100

61 163.0 120.3 223.3

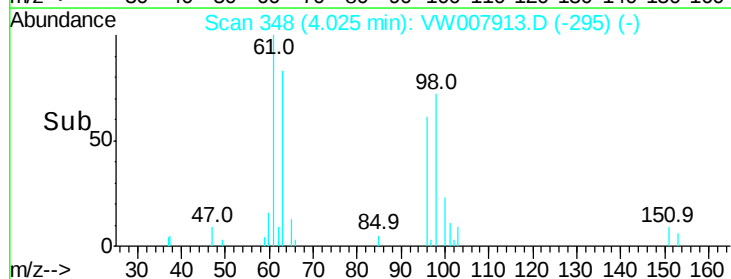
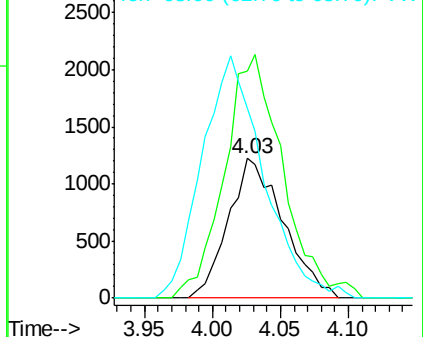
63 135.8 91.6 170.0

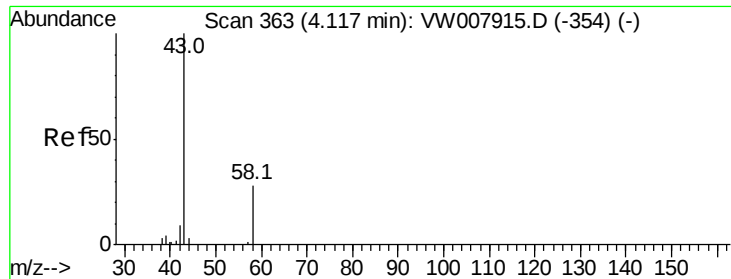


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 3.594 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

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Acq: 26 Dec 2018 08:37

Instrument :

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ClientSampleId :

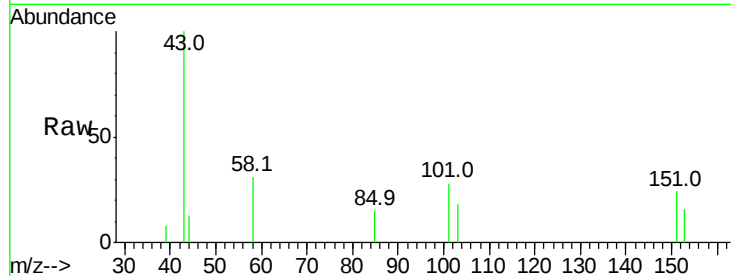
VSTD2.581

Tgt Ion: 43 Resp: 1956

Ion Ratio Lower Upper

43 100

58 16.2 0.0 58.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

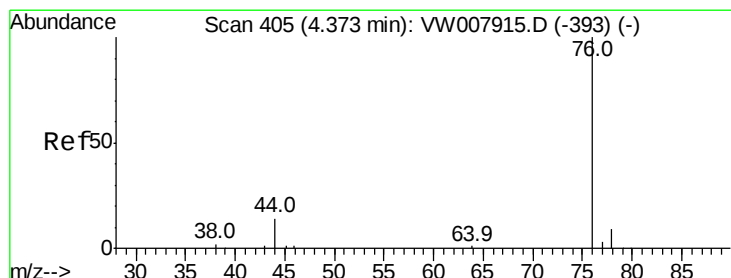
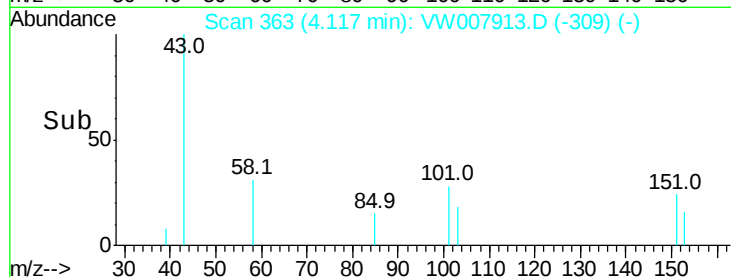
600

400

200

0

Time-->



#14

Carbon disulfide

Concen: 2.609 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW007913.D

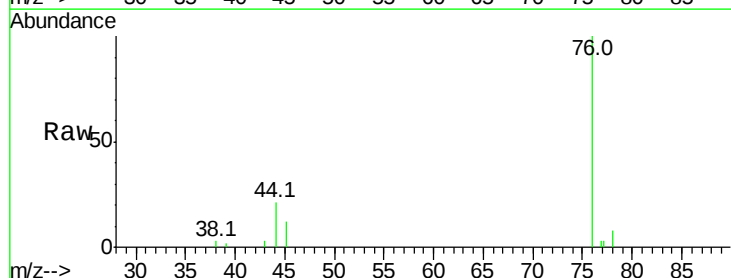
Acq: 26 Dec 2018 08:37

Tgt Ion: 76 Resp: 10199

Ion Ratio Lower Upper

76 100

78 8.2 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.37

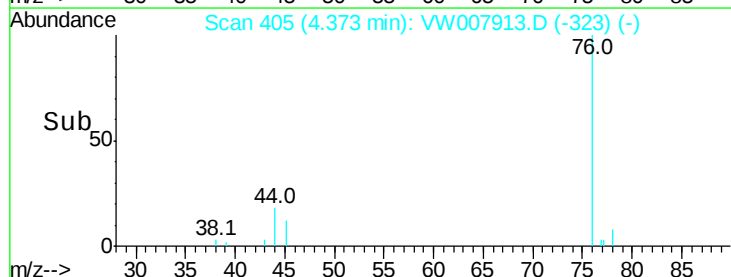
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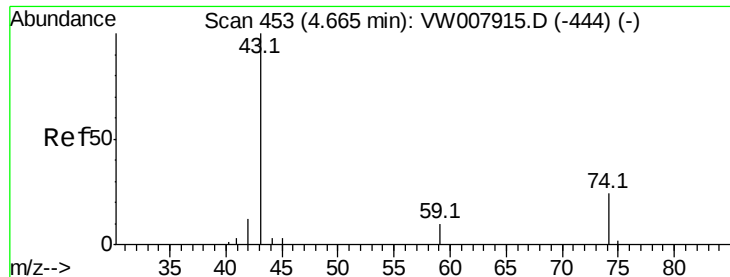
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1000

0

Time-->

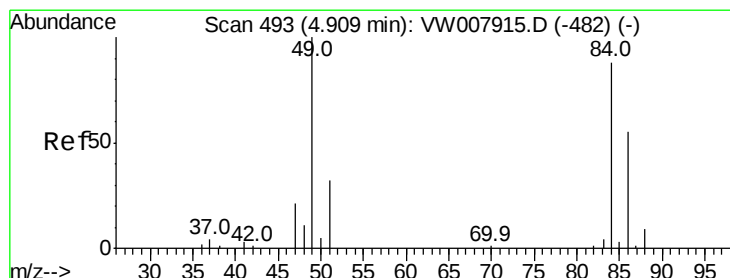
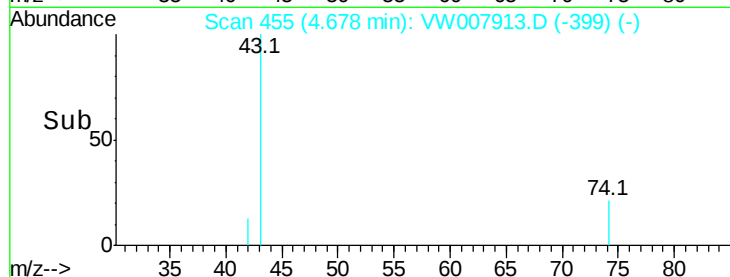
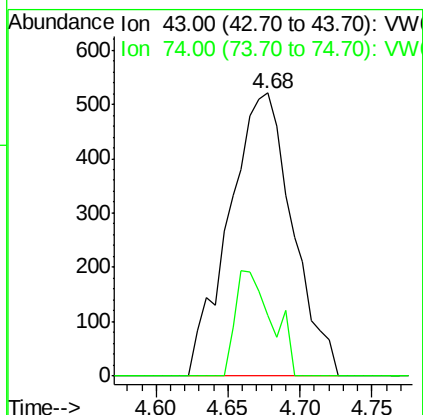
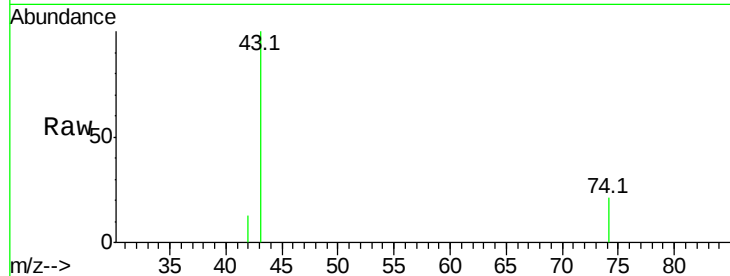




#15
Methyl Acetate
Concen: 1.953 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW007913.D
Acq: 26 Dec 2018 08:37

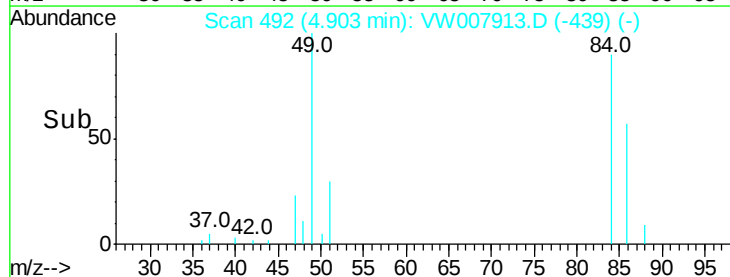
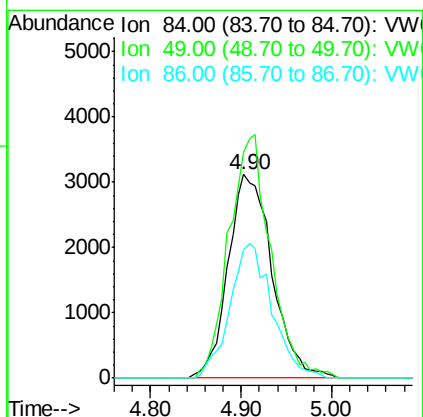
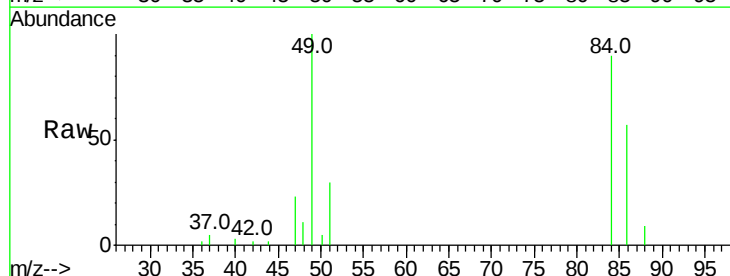
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.581

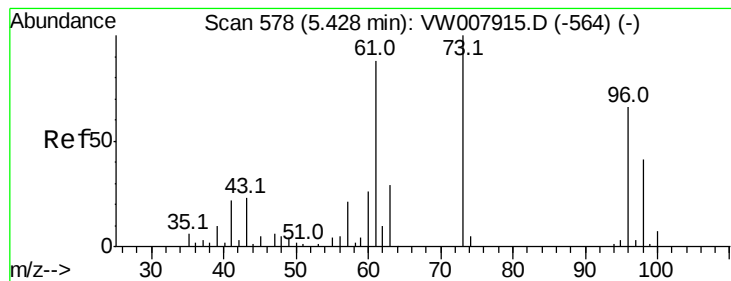
Tgt Ion: 43 Resp: 1594
Ion Ratio Lower Upper
43 100
74 2.8 20.2 30.2#



#16
Methylene chloride
Concen: 5.723 ug/L
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW007913.D
Acq: 26 Dec 2018 08:37

Tgt Ion: 84 Resp: 10541
Ion Ratio Lower Upper
84 100
49 110.7 79.2 147.0
86 62.8 43.2 80.2





#17

Methyl tert-butyl Ether

Concen: 2.686 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW007913.D

Acq: 26 Dec 2018 08:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.581

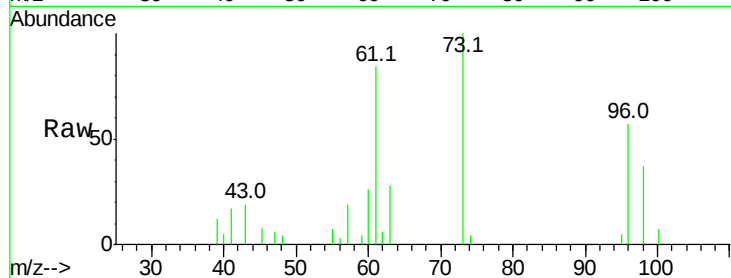
Tgt Ion: 73 Resp: 5846

Ion Ratio Lower Upper

73 100

43 10.6 18.5 27.7#

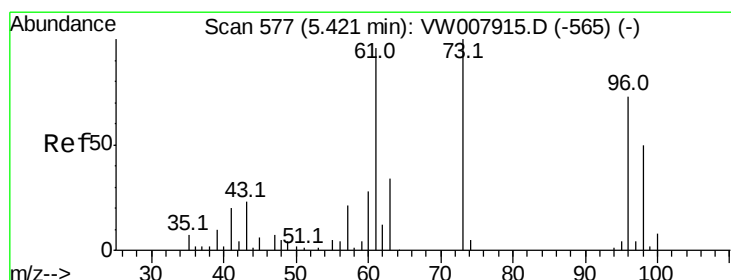
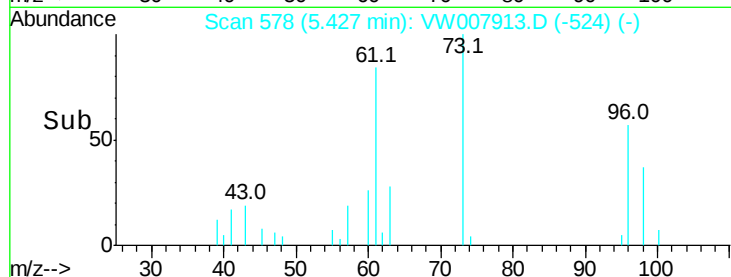
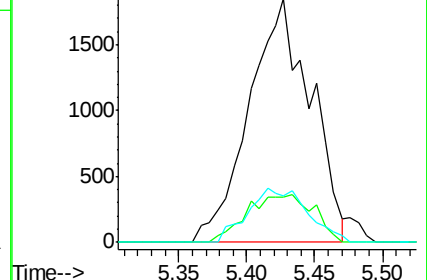
57 6.5 16.4 24.6#



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: 2.575 ug/L

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW007913.D

Acq: 26 Dec 2018 08:37

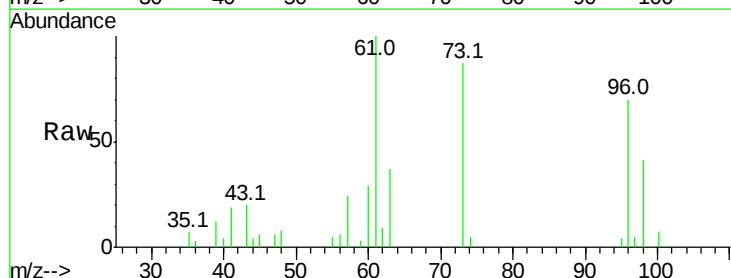
Tgt Ion: 96 Resp: 3698

Ion Ratio Lower Upper

96 100

61 143.3 91.4 169.8

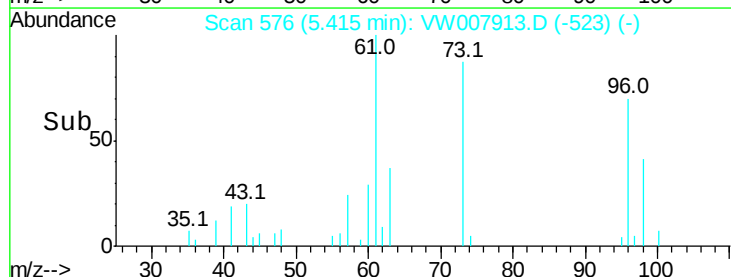
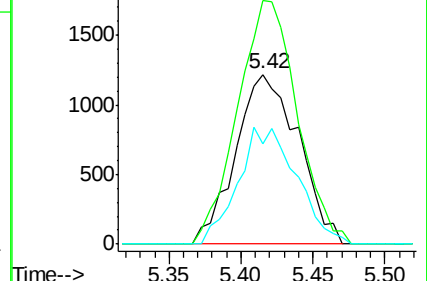
98 58.9 48.0 89.2

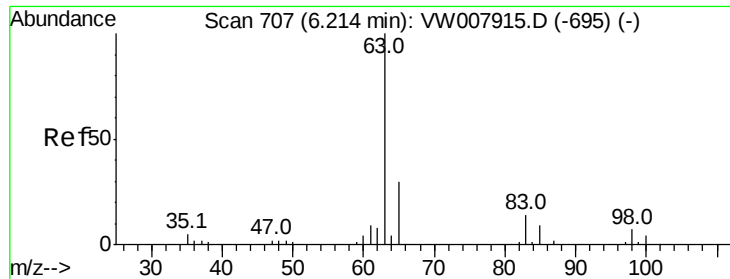


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW

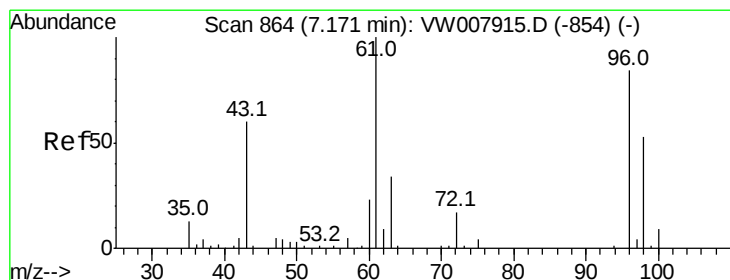
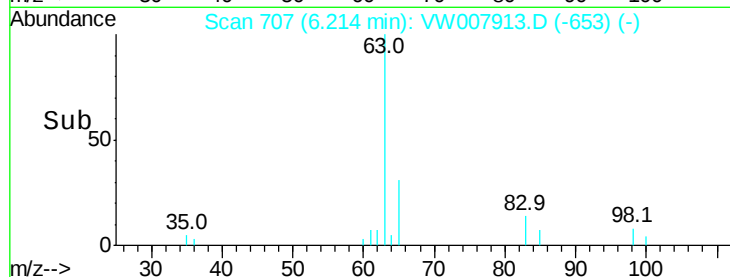
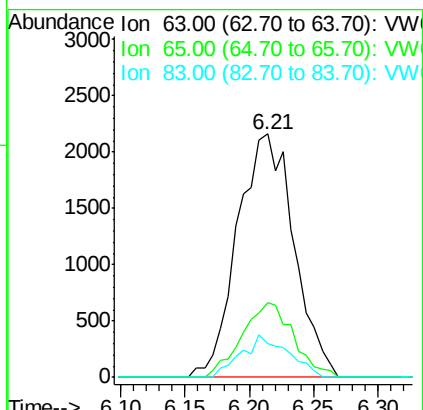
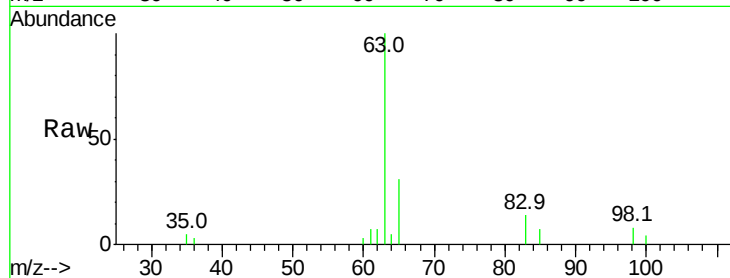




#19
 1,1-Dichloroethane
 Concen: 2.679 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW007913.D
 Acq: 26 Dec 2018 08:37

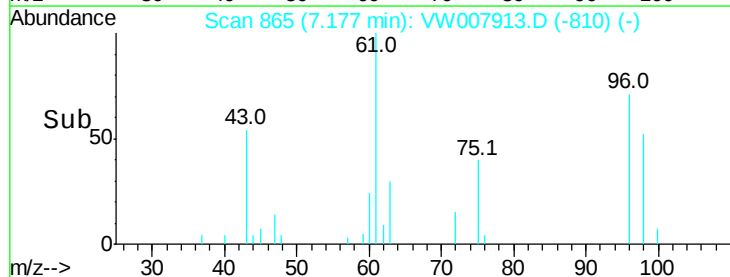
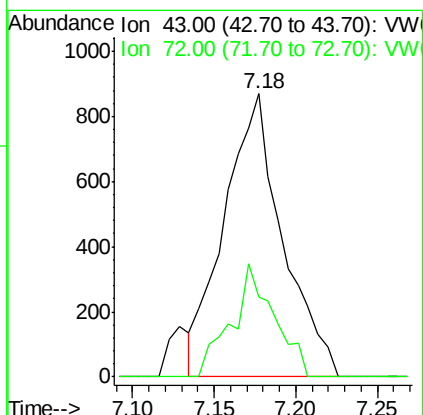
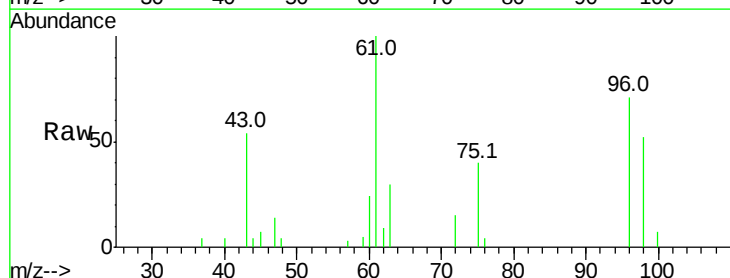
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.581

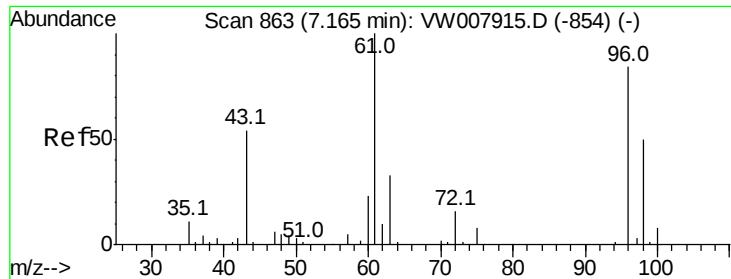
Tgt Ion: 63 Resp: 6559
 Ion Ratio Lower Upper
 63 100
 65 30.9 20.6 38.4
 83 14.0 10.0 18.6



#21
 2-Butanone
 Concen: 3.703 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW007913.D
 Acq: 26 Dec 2018 08:37

Tgt Ion: 43 Resp: 2166
 Ion Ratio Lower Upper
 43 100
 72 20.2 14.4 43.4



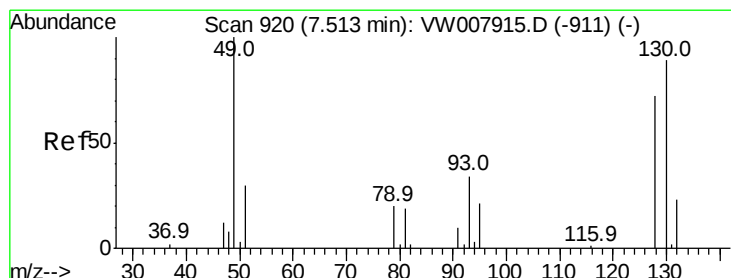
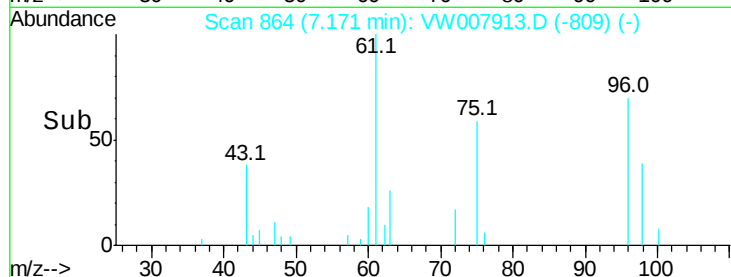
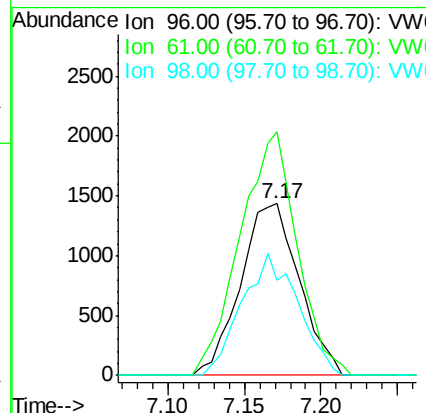
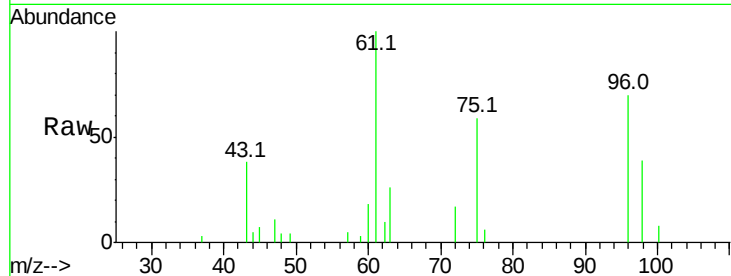


#22

cis-1,2-Dichloroethene
Concen: 2.421 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.01 min
Lab File: VW007913.D
Acq: 26 Dec 2018 08:37

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.581

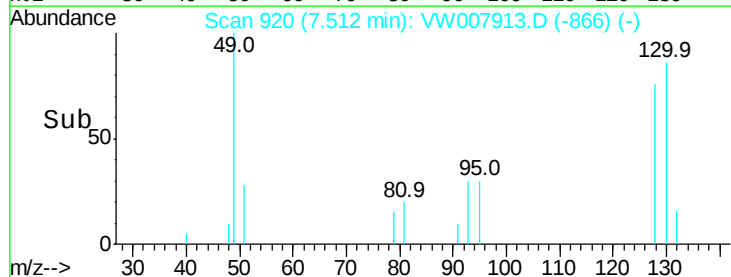
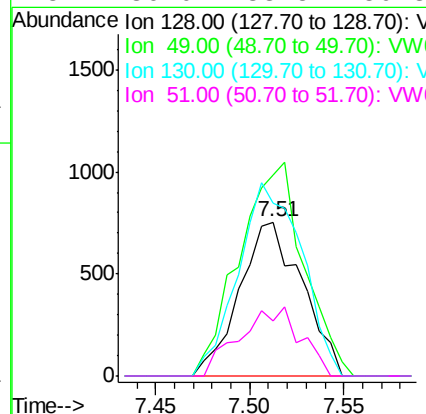
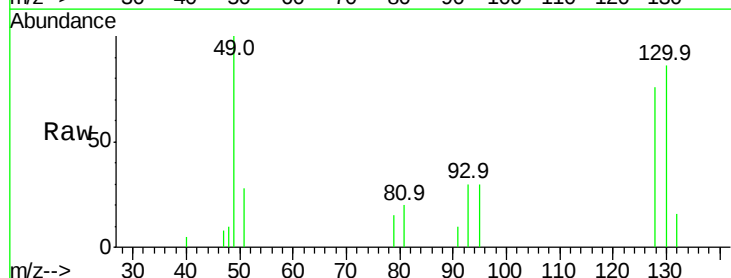
Tgt Ion: 96 Resp: 3826
Ion Ratio Lower Upper
96 100
61 141.9 83.4 155.0
98 55.8 42.3 78.5

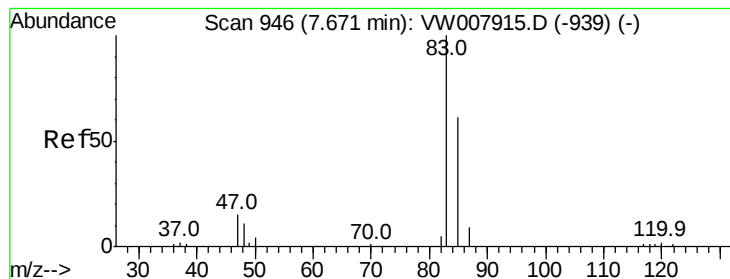


#23

Bromochloromethane
Concen: 2.414 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW007913.D
Acq: 26 Dec 2018 08:37

Tgt Ion: 128 Resp: 1739
Ion Ratio Lower Upper
128 100
49 130.8 96.9 180.1
130 112.6 86.2 160.0
51 36.0 33.5 50.3





#25

Chloroform

Concen: 2.578 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.01 min

Lab File: VW007913.D

Acq: 26 Dec 2018 08:37

Instrument :

MSVOA_W

ClientSampleId :

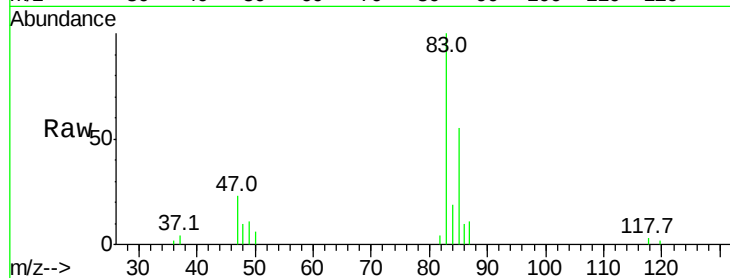
VSTD2.581

Tgt Ion: 83 Resp: 6828

Ion Ratio Lower Upper

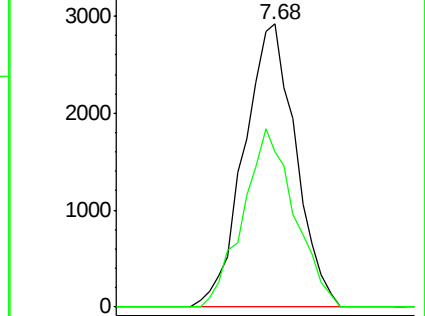
83 100

85 62.8 45.8 85.2

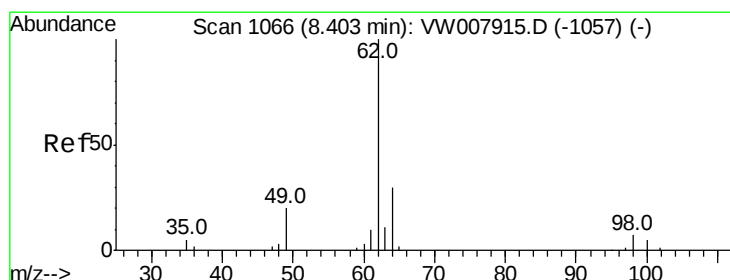
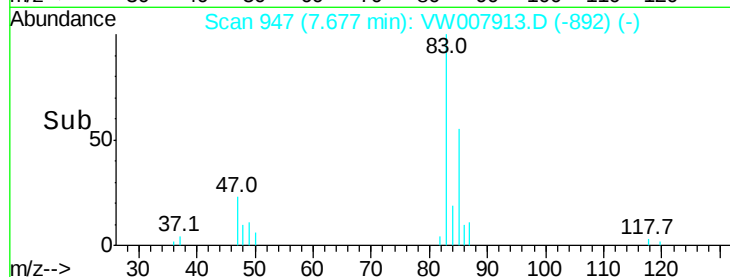


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



Time-->



#27

1,2-Dichloroethane

Concen: 2.542 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW007913.D

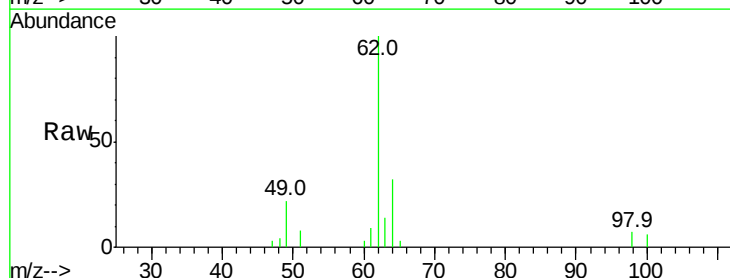
Acq: 26 Dec 2018 08:37

Tgt Ion: 62 Resp: 4814

Ion Ratio Lower Upper

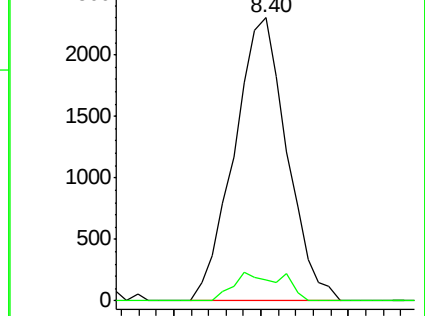
62 100

98 7.4 5.4 8.2

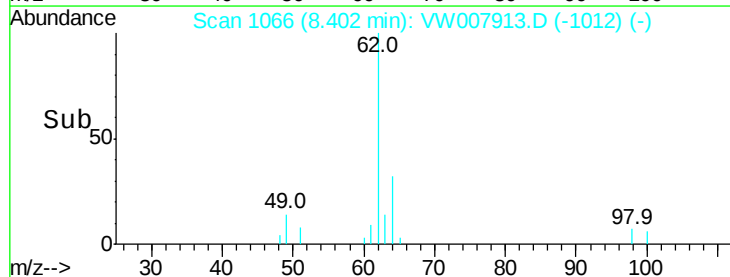


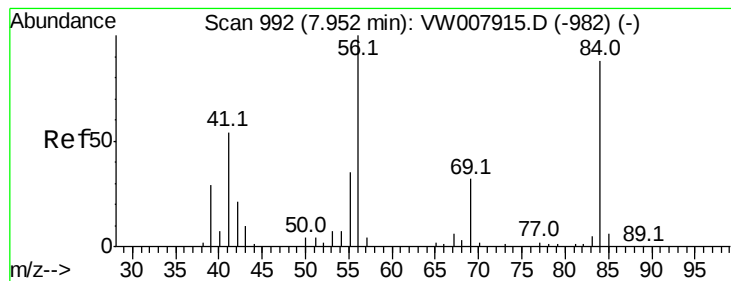
Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW



Time-->





#30

Cyclohexane

Concen: 2.323 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW007913.D

Acq: 26 Dec 2018 08:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.581

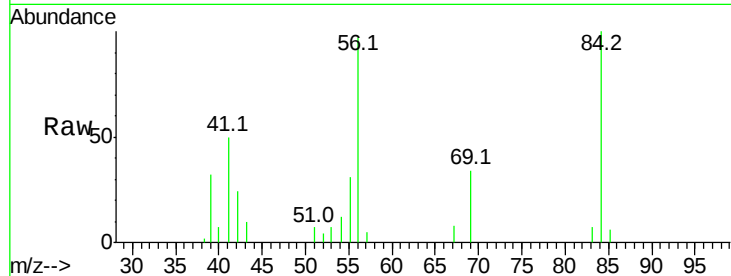
Tgt Ion: 56 Resp: 5749

Ion Ratio Lower Upper

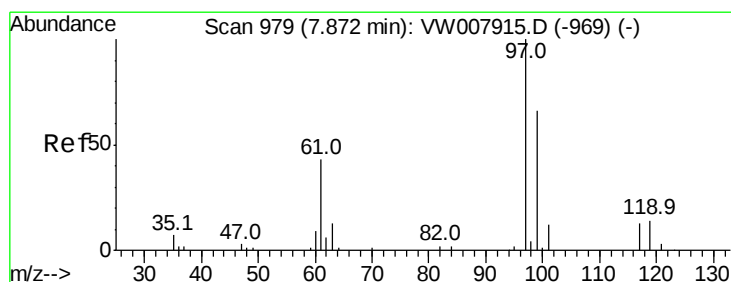
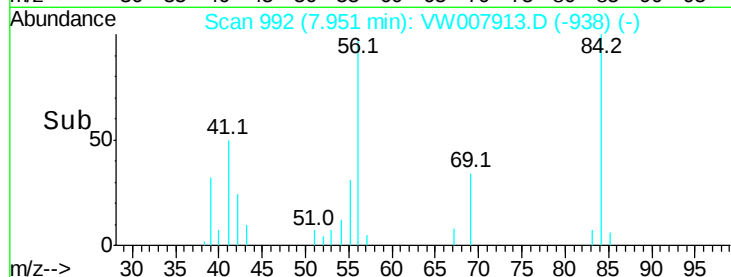
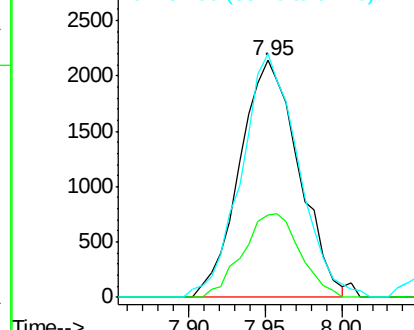
56 100

69 34.0 26.2 39.4

84 99.4 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: 2.646 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW007913.D

Acq: 26 Dec 2018 08:37

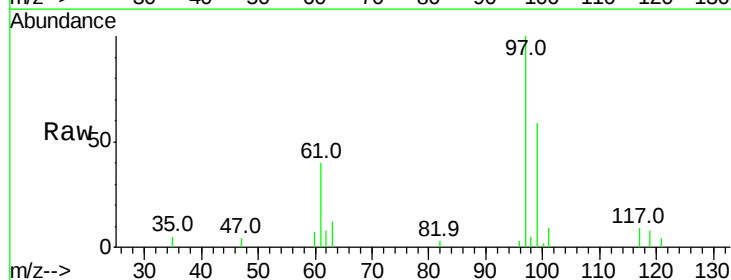
Tgt Ion: 97 Resp: 6424

Ion Ratio Lower Upper

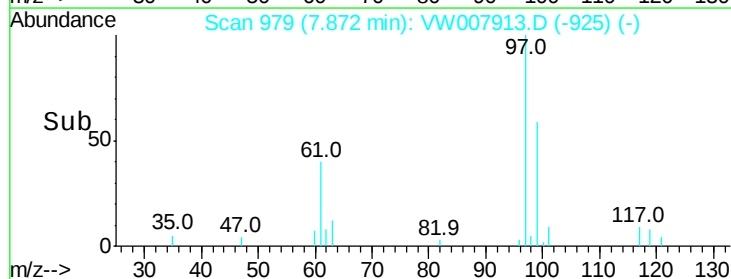
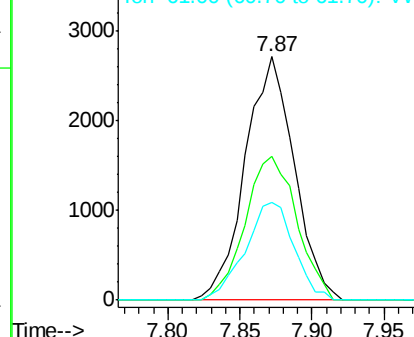
97 100

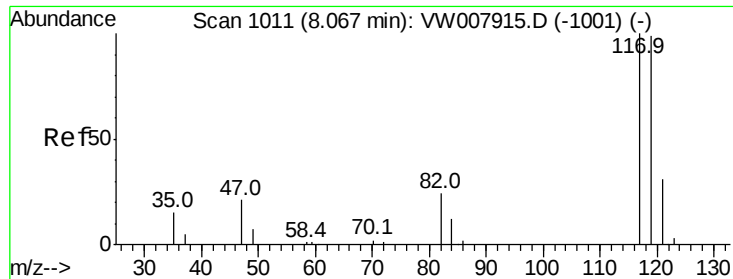
99 62.2 52.3 78.5

61 39.8 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: 2.634 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW007913.D

Acq: 26 Dec 2018 08:37

Instrument :

MSVOA_W

ClientSampleId :

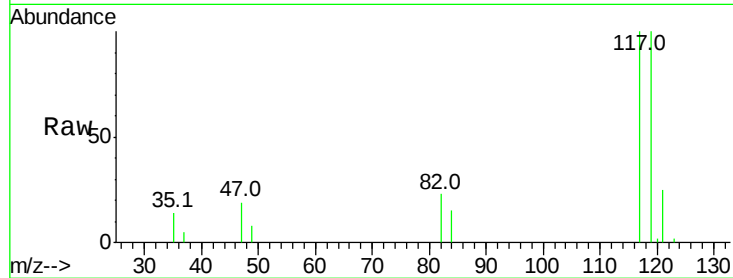
VSTD2.581

Tgt Ion:117 Resp: 6180

Ion Ratio Lower Upper

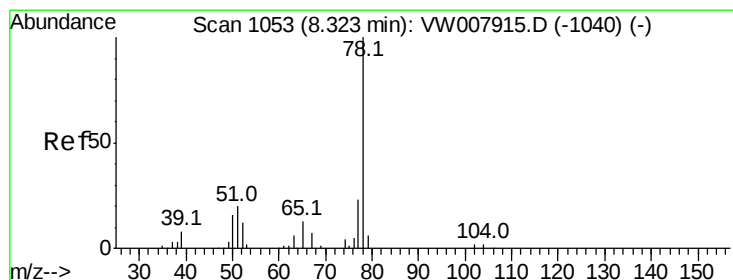
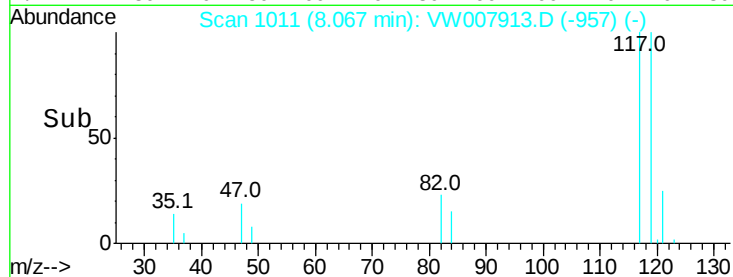
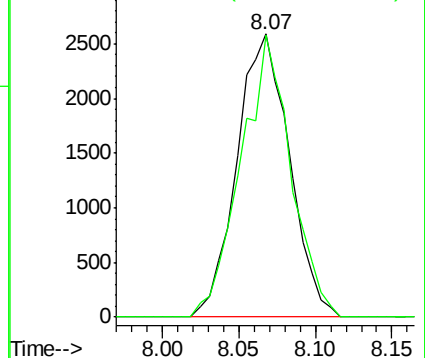
117 100

119 94.5 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: 2.387 ug/L

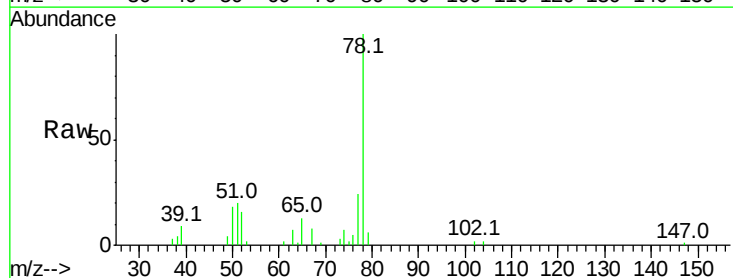
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

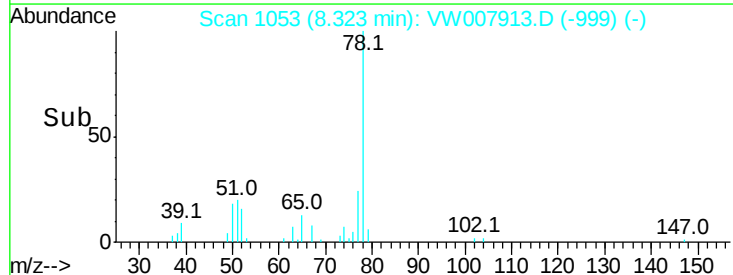
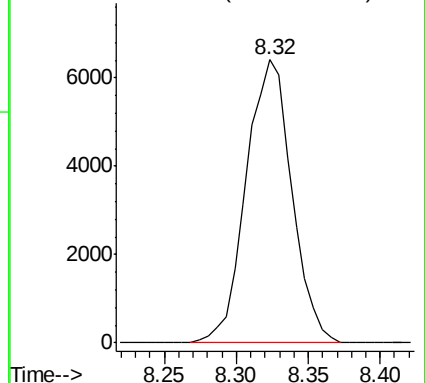
Lab File: VW007913.D

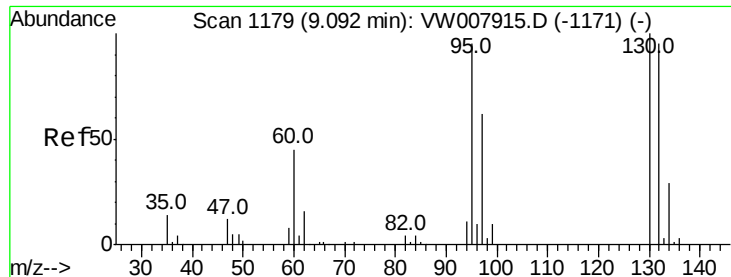
Acq: 26 Dec 2018 08:37

Tgt Ion: 78 Resp: 14111



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 2.454 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW007913.D

Acq: 26 Dec 2018 08:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.581

Tgt Ion: 95 Resp: 4160

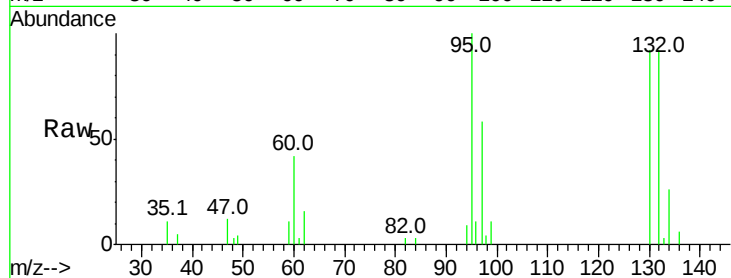
Ion Ratio Lower Upper

95 100

97 64.0 44.4 82.5

132 99.0 67.8 126.0

130 100.7 70.3 130.7

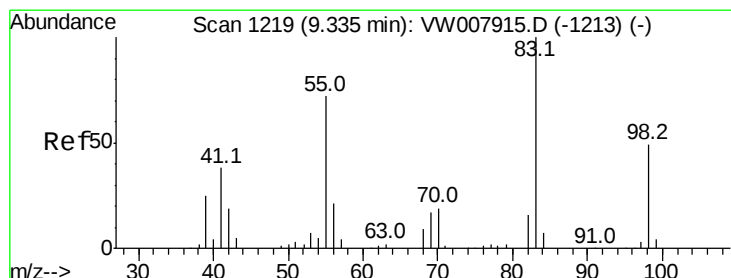
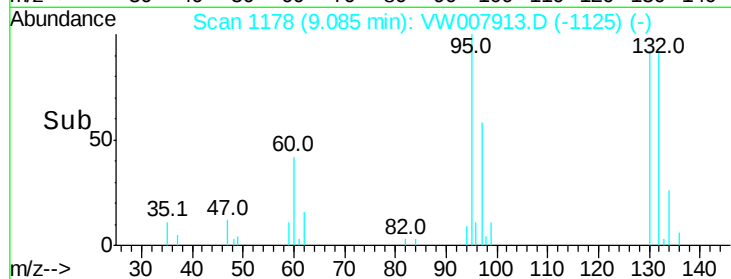
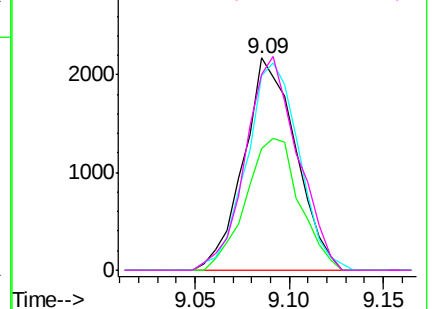


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 2.411 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW007913.D

Acq: 26 Dec 2018 08:37

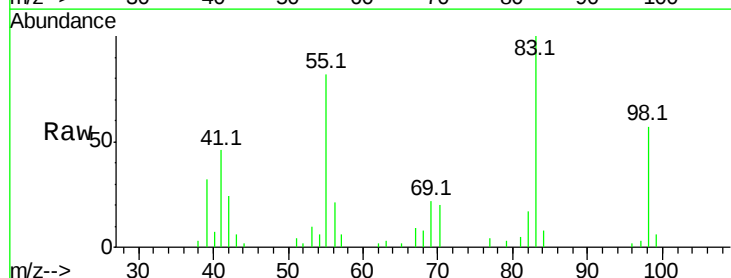
Tgt Ion: 83 Resp: 7056

Ion Ratio Lower Upper

83 100

55 74.3 59.4 89.0

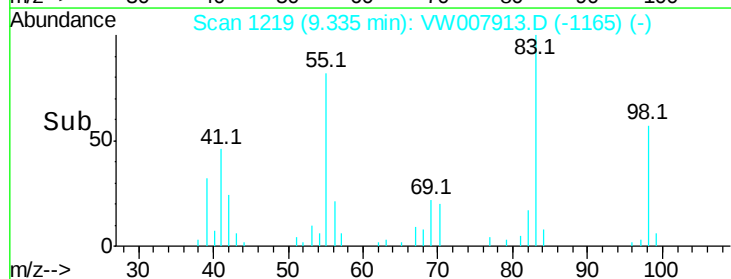
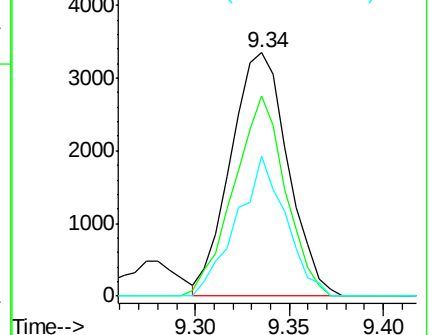
98 49.4 38.2 57.2

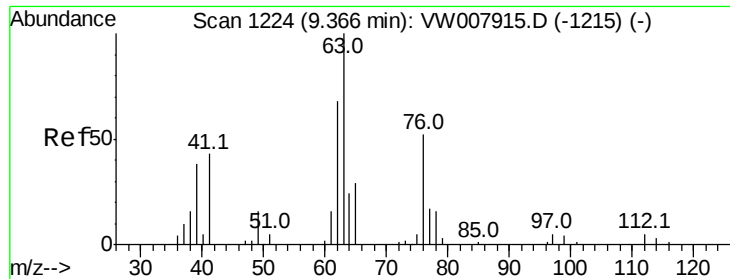


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

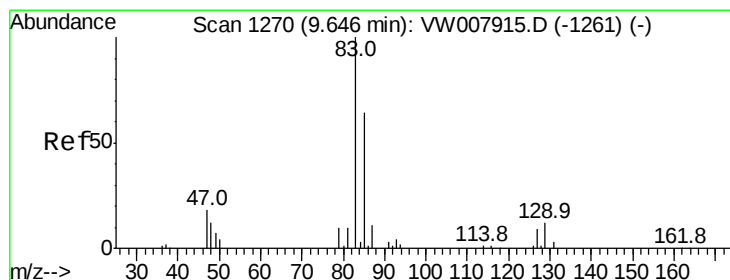
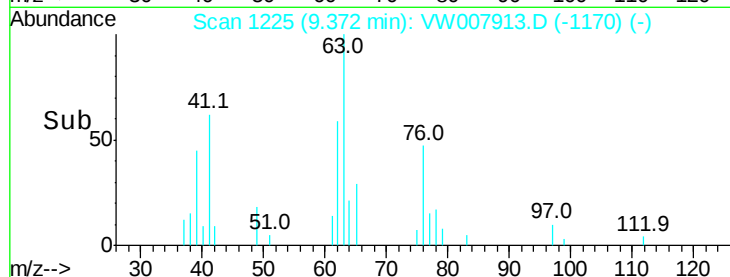
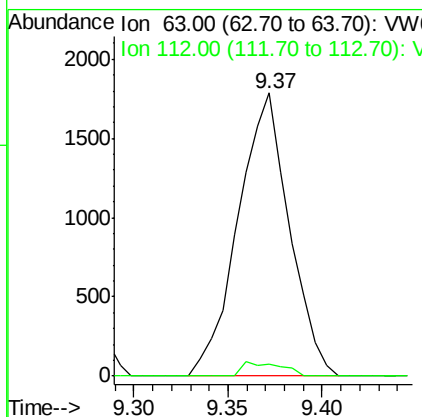
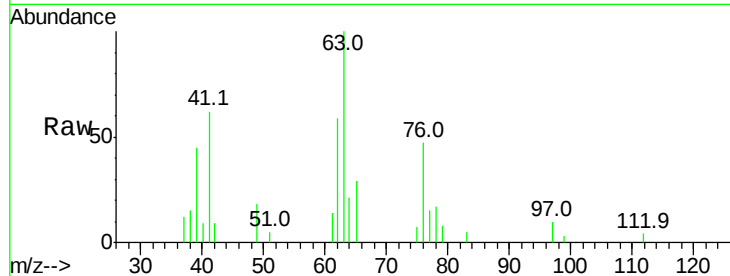




#40
 1,2-Dichloropropane
 Concen: 2.334 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW007913.D
 Acq: 26 Dec 2018 08:37

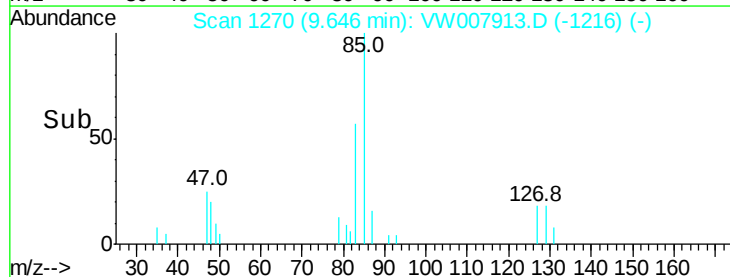
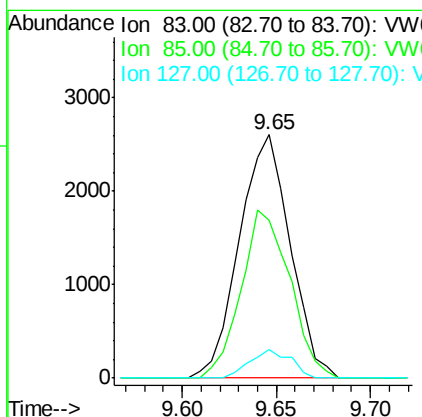
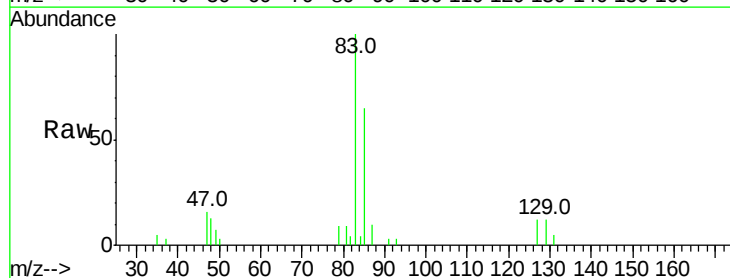
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.581

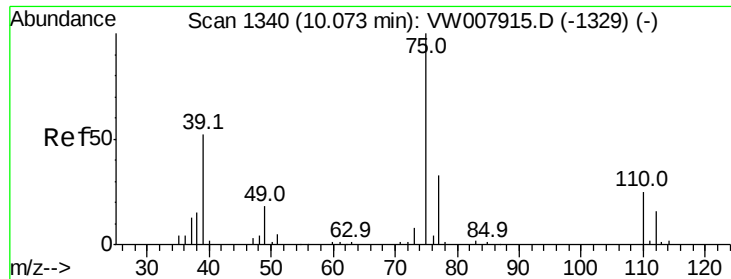
Tgt Ion: 63 Resp: 3375
 Ion Ratio Lower Upper
 63 100
 112 1.7 3.7 5.5#



#41
 Bromodichloromethane
 Concen: 2.346 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW007913.D
 Acq: 26 Dec 2018 08:37

Tgt Ion: 83 Resp: 4872
 Ion Ratio Lower Upper
 83 100
 85 65.0 44.4 82.5
 127 12.0 7.0 10.6#





#42

cis-1,3-Dichloropropene

Concen: 2.345 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW007913.D

Acq: 26 Dec 2018 08:37

Instrument :

MSVOA_W

ClientSampleId :

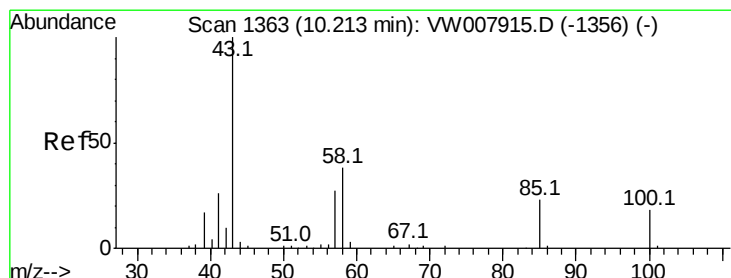
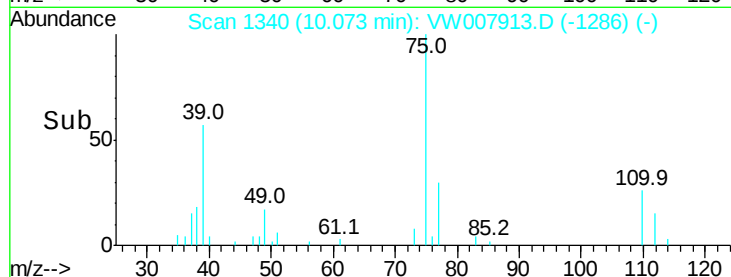
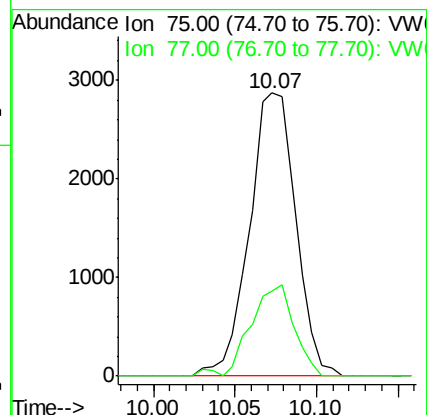
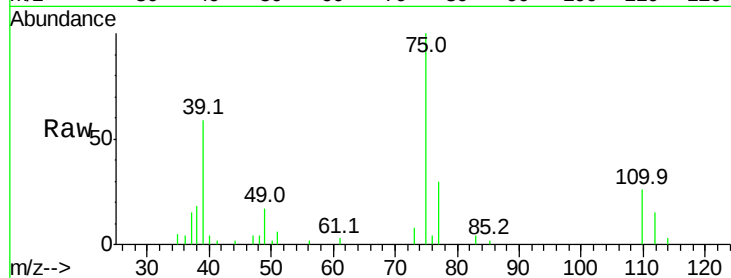
VSTD2.581

Tgt Ion: 75 Resp: 5695

Ion Ratio Lower Upper

75 100

77 29.9 23.0 42.8



#43

4-Methyl-2-pentanone

Concen: 4.156 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW007913.D

Acq: 26 Dec 2018 08:37

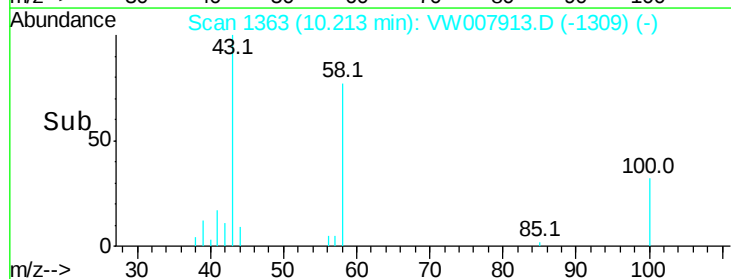
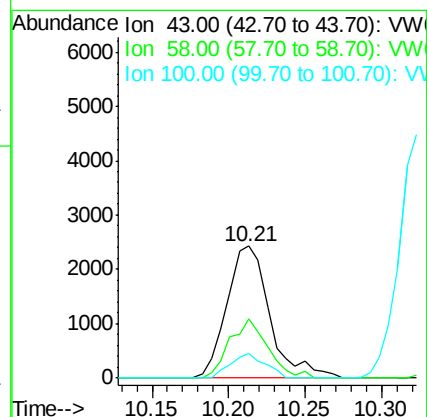
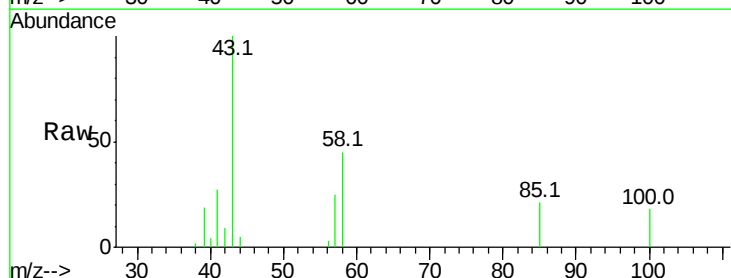
Tgt Ion: 43 Resp: 4757

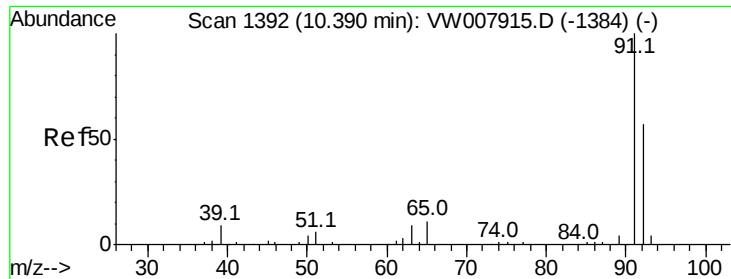
Ion Ratio Lower Upper

43 100

58 38.7 31.1 46.7

100 14.9 14.0 21.0





#44

Toluene

Concen: 2.619 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007913.D

Acq: 26 Dec 2018 08:37

Instrument :

MSVOA_W

ClientSampleId :

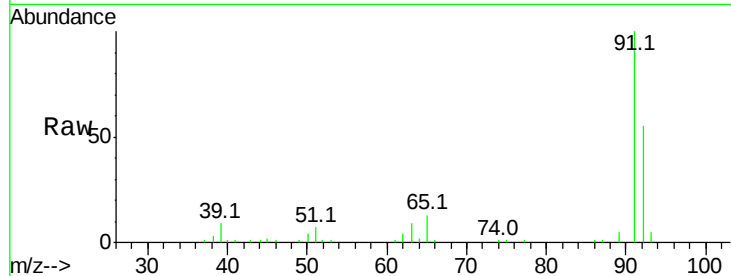
VSTD2.581

Tgt Ion: 91 Resp: 16689

Ion Ratio Lower Upper

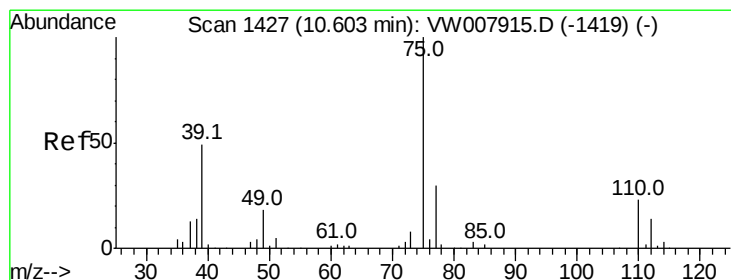
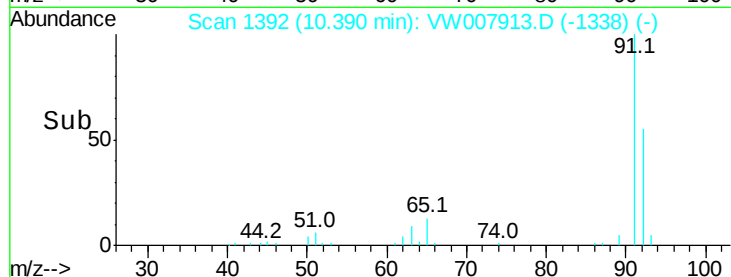
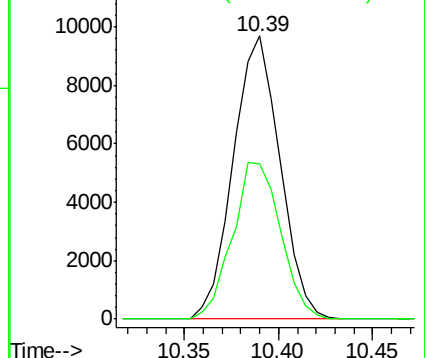
91 100

92 55.1 39.6 73.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



#45

trans-1,3-Dichloropropene

Concen: 2.365 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW007913.D

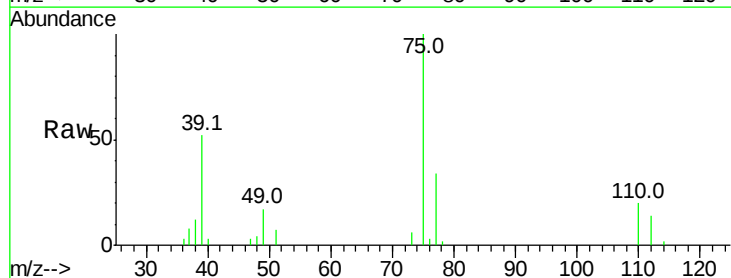
Acq: 26 Dec 2018 08:37

Tgt Ion: 75 Resp: 5045

Ion Ratio Lower Upper

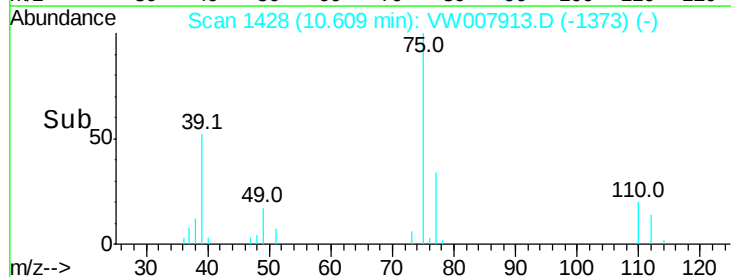
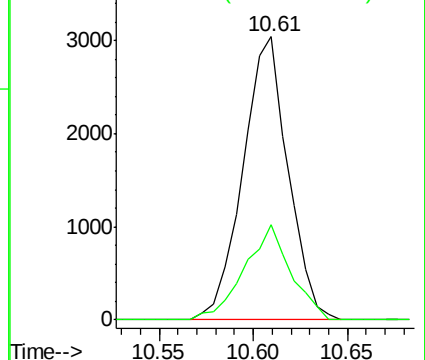
75 100

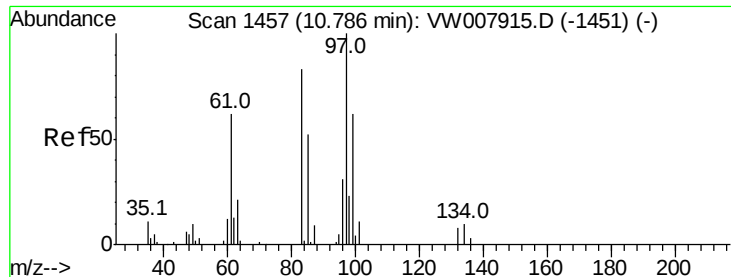
77 33.7 21.1 39.3



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#46

1,1,2-Trichloroethane

Concen: 2.420 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW007913.D

Acq: 26 Dec 2018 08:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.581

Tgt Ion: 97 Resp: 2882

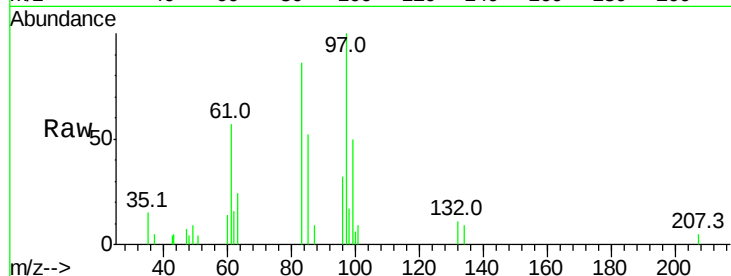
Ion Ratio Lower Upper

97 100

83 85.7 58.4 108.6

85 51.6 36.4 67.6

99 49.9 43.8 81.3



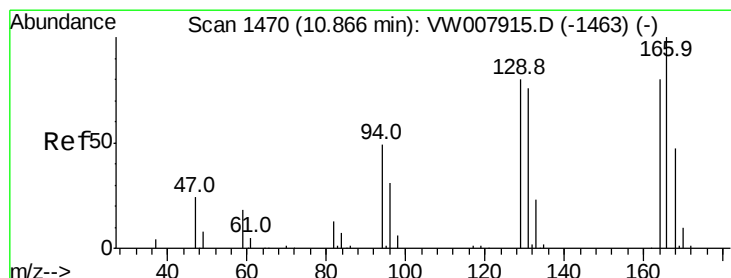
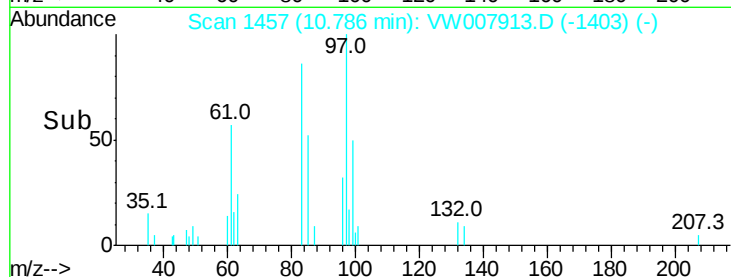
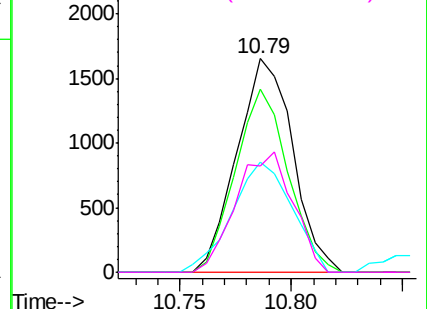
Abundance

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: 2.506 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW007913.D

Acq: 26 Dec 2018 08:37

Tgt Ion: 164 Resp: 3209

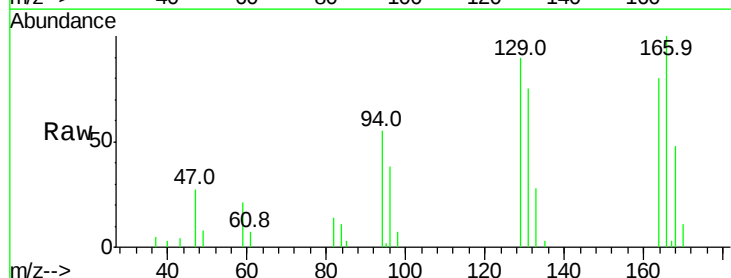
Ion Ratio Lower Upper

164 100

129 111.8 70.6 131.2

131 93.7 66.5 123.5

166 124.6 87.7 162.9



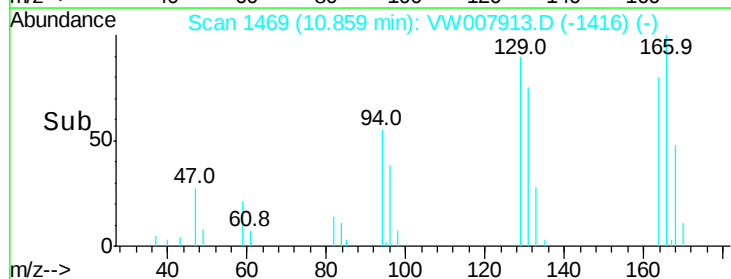
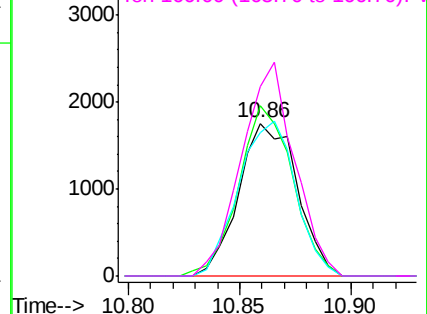
Abundance

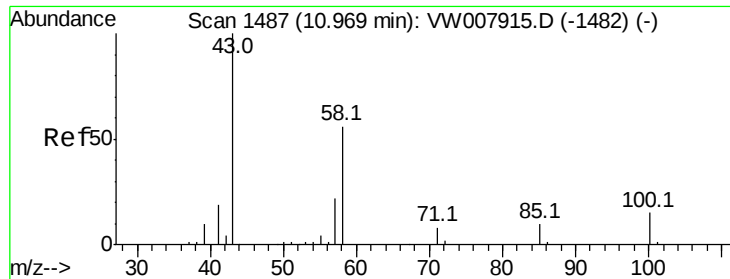
Ion 164.00 (163.70 to 164.70): V

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: 3.955 ug/L

RT: 10.98 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW007913.D

Acq: 26 Dec 2018 08:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.581

Tgt Ion: 43 Resp: 3182

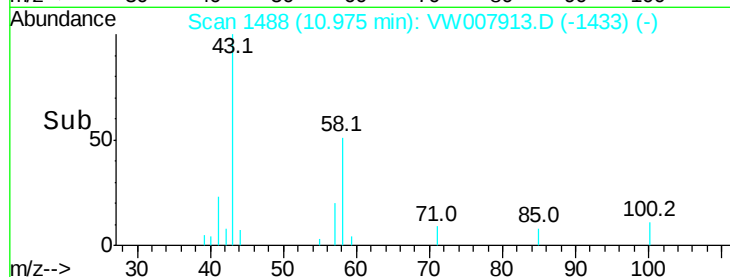
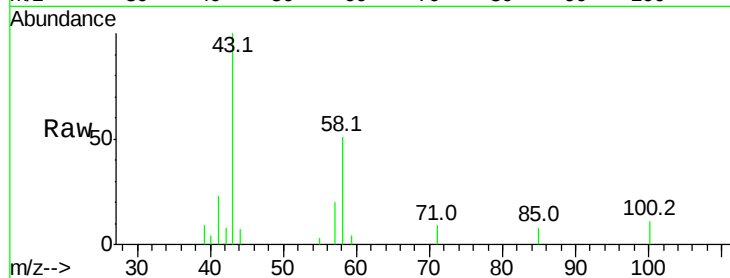
Ion Ratio Lower Upper

43 100

58 53.0 46.2 69.4

57 19.5 17.9 26.9

100 11.2 11.4 17.2#

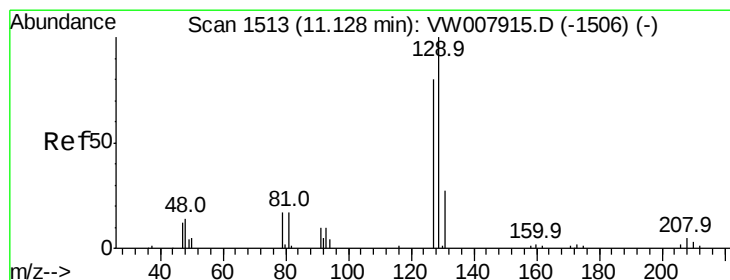
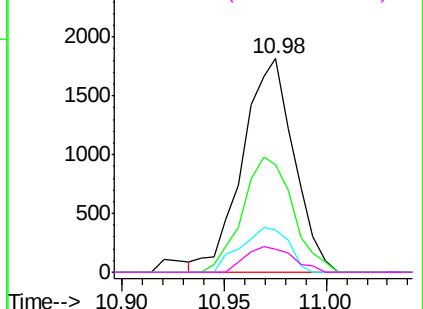


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 2.350 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW007913.D

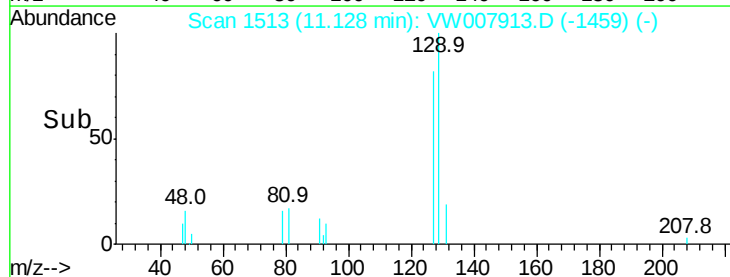
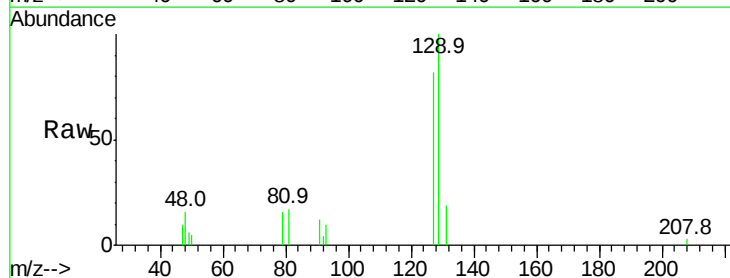
Acq: 26 Dec 2018 08:37

Tgt Ion: 129 Resp: 3438

Ion Ratio Lower Upper

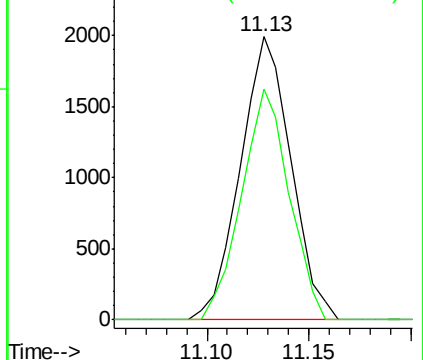
129 100

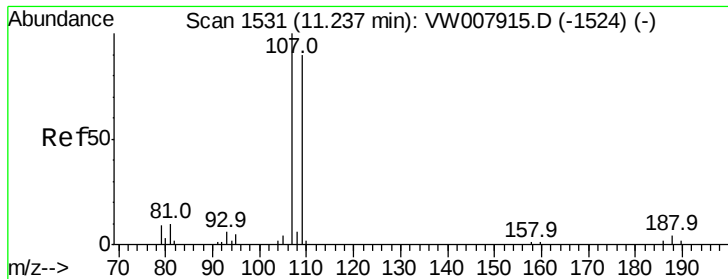
127 81.7 55.8 103.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 2.244 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW007913.D

Acq: 26 Dec 2018 08:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.581

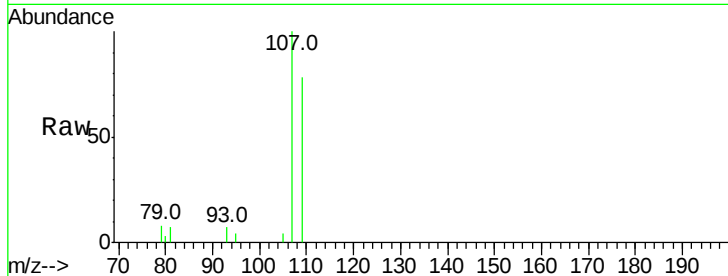
Tgt Ion:107 Resp: 2684

Ion Ratio Lower Upper

107 100

109 77.8 63.2 117.4

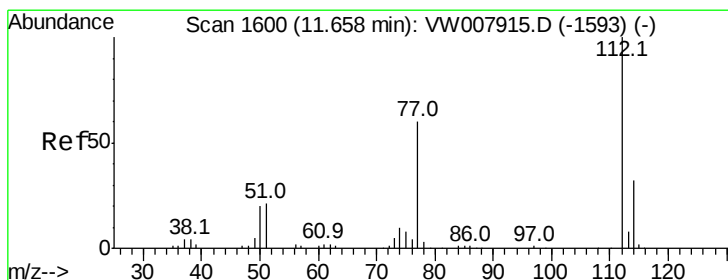
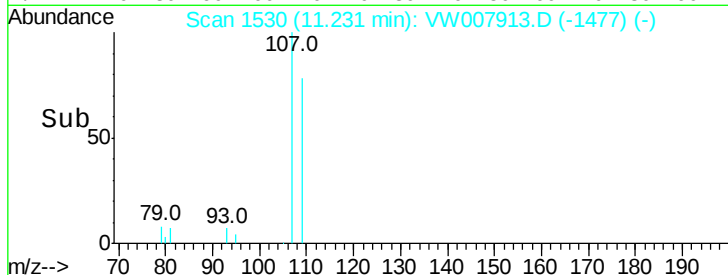
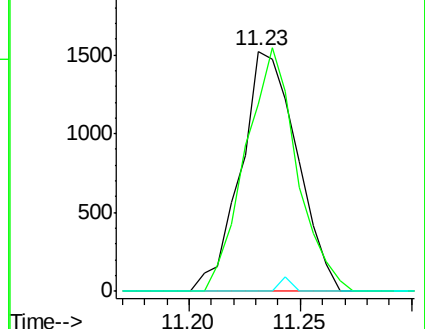
188 0.0 3.1 4.7#



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: 2.591 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW007913.D

Acq: 26 Dec 2018 08:37

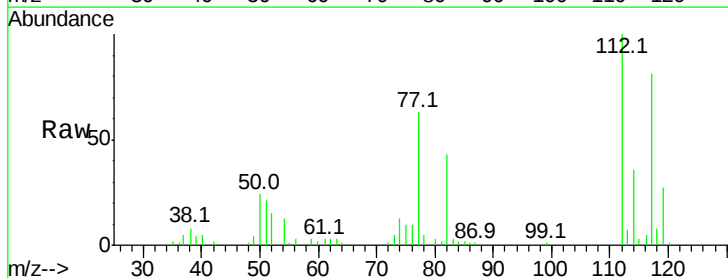
Tgt Ion:112 Resp: 10717

Ion Ratio Lower Upper

112 100

77 62.8 47.8 71.6

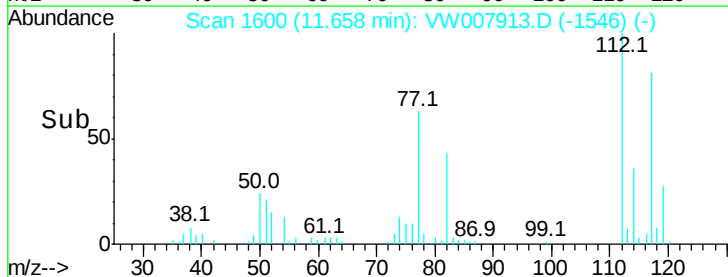
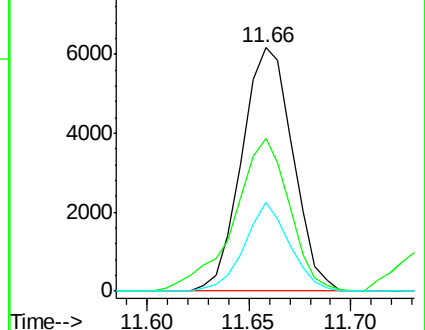
114 36.3 22.2 41.2

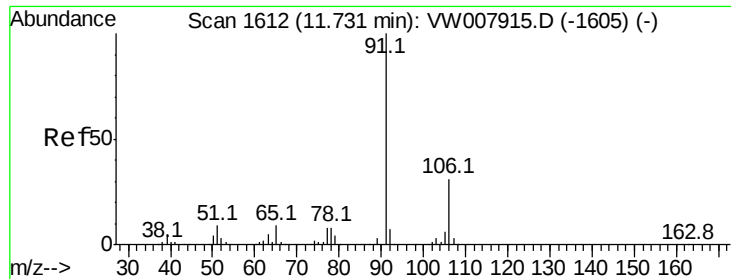


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 2.533 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW007913.D

Acq: 26 Dec 2018 08:37

Instrument :

MSVOA_W

ClientSampleId :

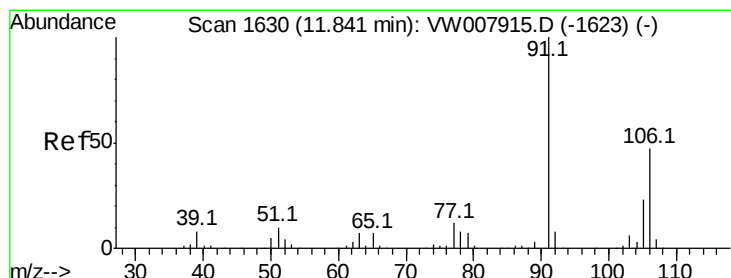
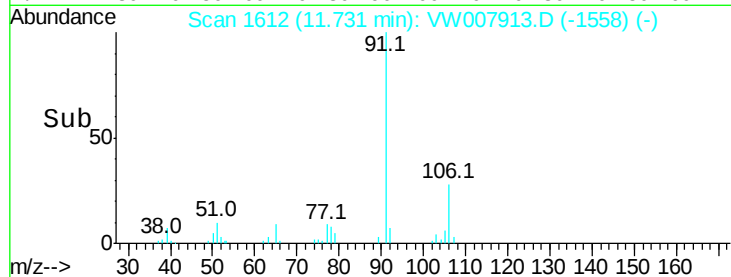
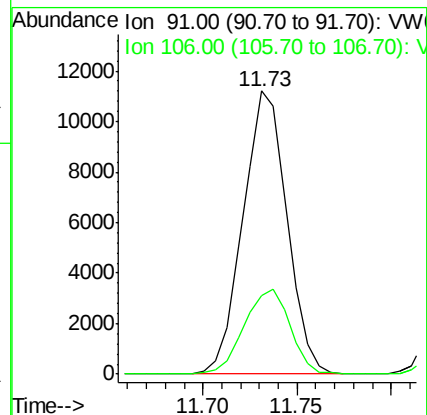
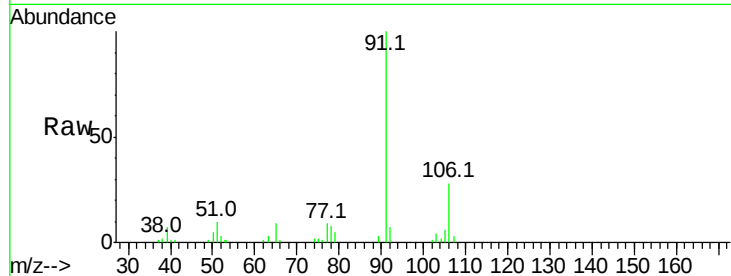
VSTD2.581

Tgt Ion: 91 Resp: 18154

Ion Ratio Lower Upper

91 100

106 27.5 21.5 39.9



#54

m,p-Xylene

Concen: 2.604 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW007913.D

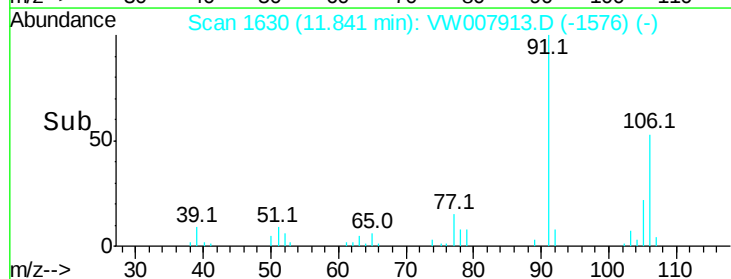
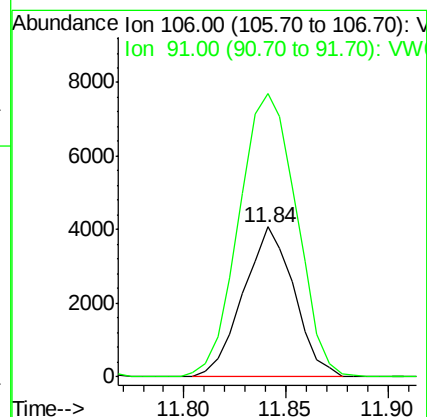
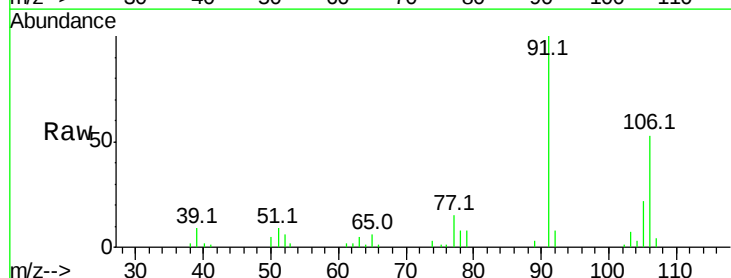
Acq: 26 Dec 2018 08:37

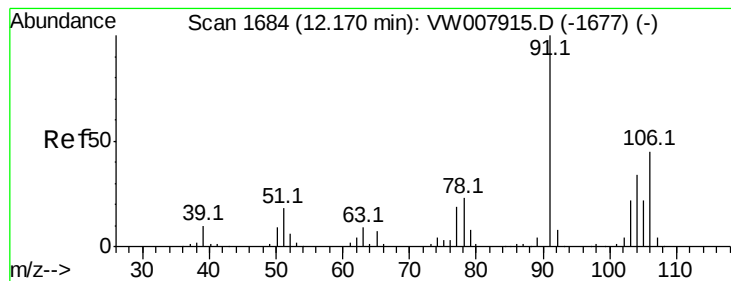
Tgt Ion: 106 Resp: 7088

Ion Ratio Lower Upper

106 100

91 188.9 147.8 274.4





#55

o-xylene

Concen: 2.483 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW007913.D

Acq: 26 Dec 2018 08:37

Instrument :

MSVOA_W

ClientSampleId :

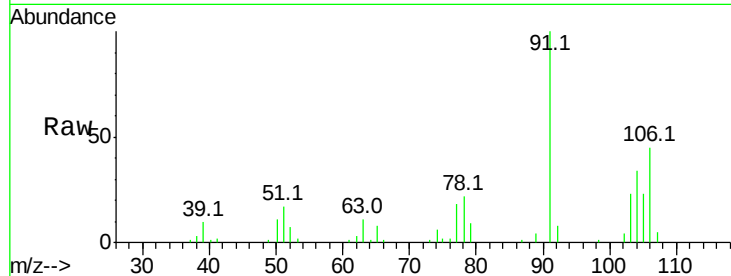
VSTD2.581

Tgt Ion:106 Resp: 6387

Ion Ratio Lower Upper

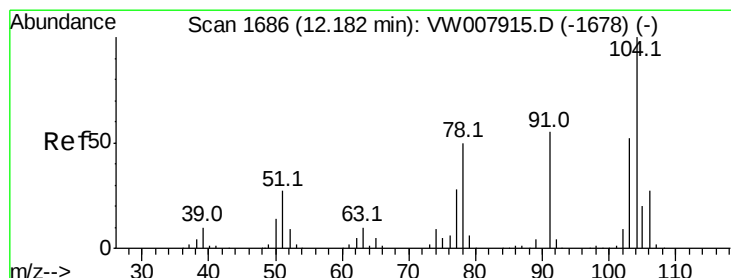
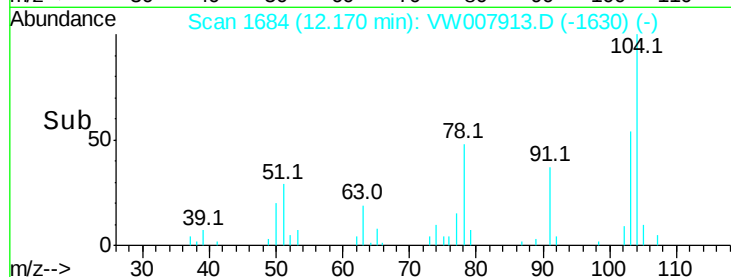
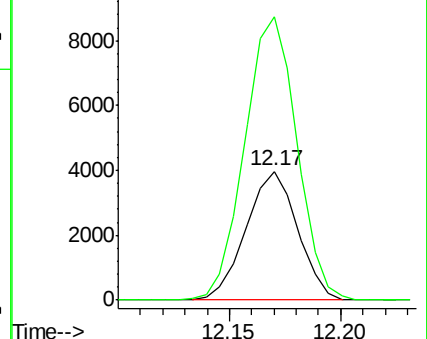
106 100

91 220.2 156.0 289.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 2.441 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW007913.D

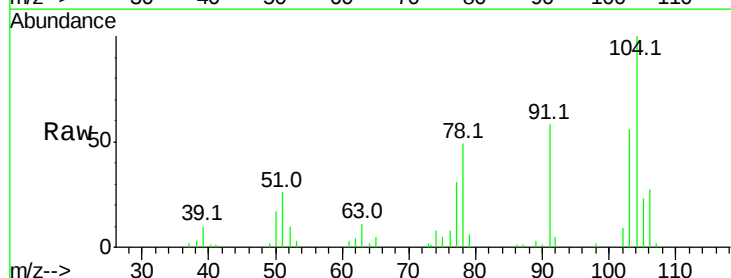
Acq: 26 Dec 2018 08:37

Tgt Ion:104 Resp: 10765

Ion Ratio Lower Upper

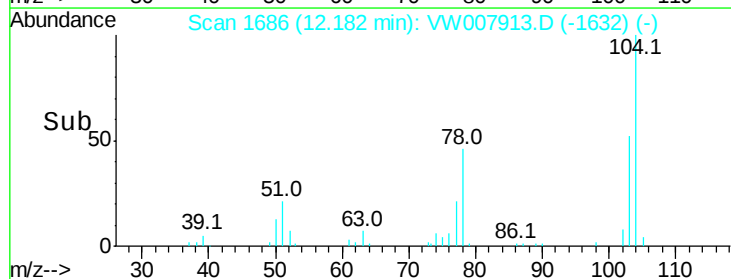
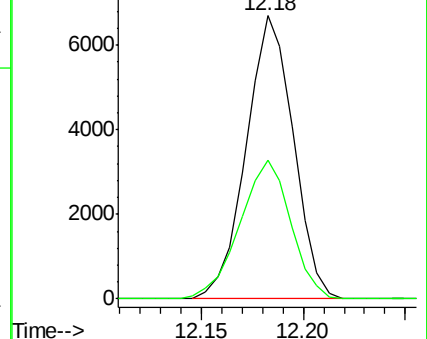
104 100

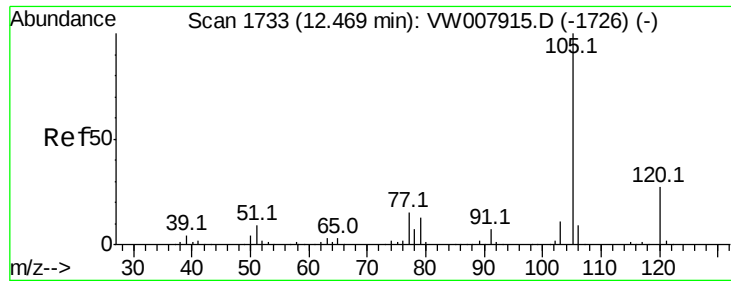
78 48.8 34.6 64.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 2.576 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007913.D

Acq: 26 Dec 2018 08:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.581

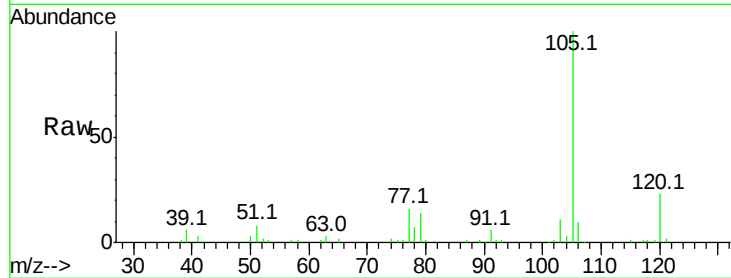
Tgt Ion:105 Resp: 18493

Ion Ratio Lower Upper

105 100

120 25.4 21.1 31.7

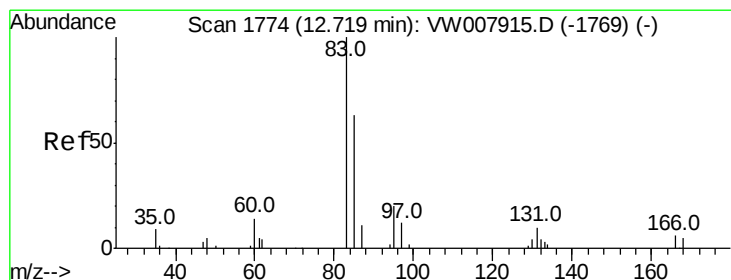
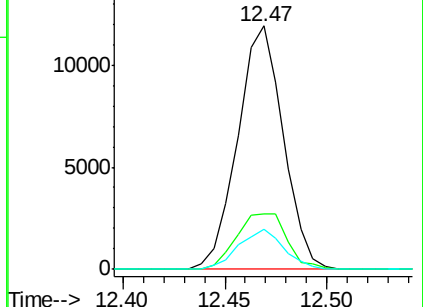
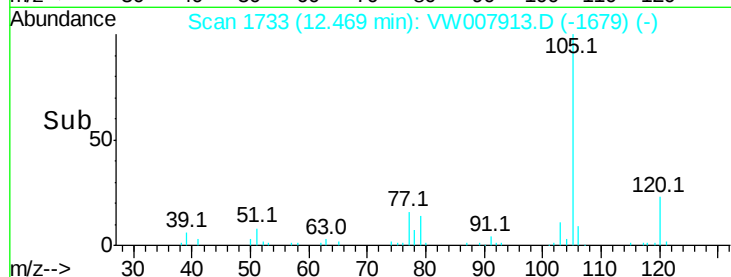
77 16.2 12.4 18.6



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: 2.197 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007913.D

Acq: 26 Dec 2018 08:37

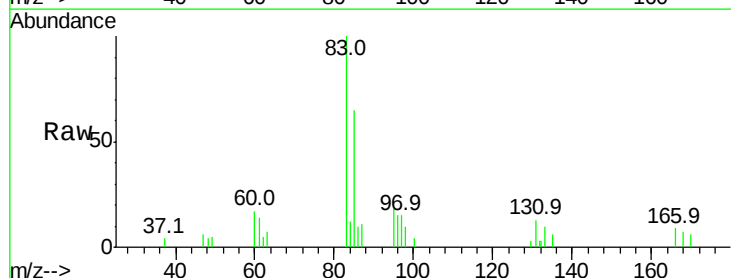
Tgt Ion: 83 Resp: 3243

Ion Ratio Lower Upper

83 100

85 65.3 46.6 86.6

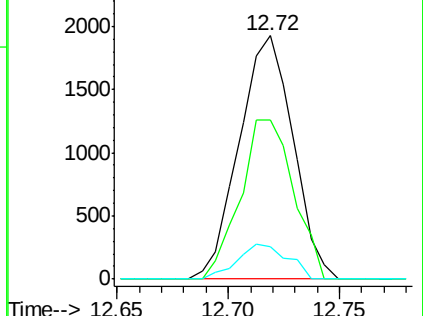
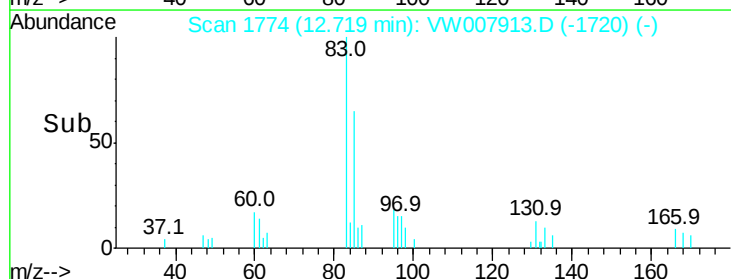
131 13.1 9.7 14.5

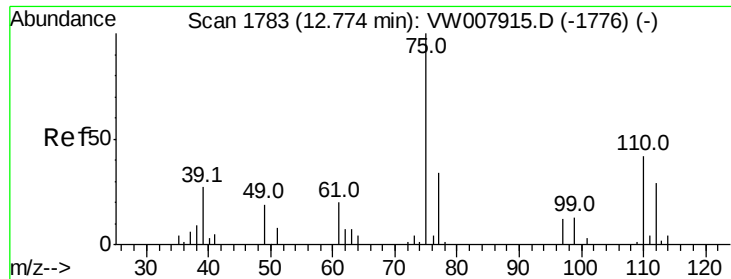


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 2.206 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW007913.D

Acq: 26 Dec 2018 08:37

Instrument :

MSVOA_W

ClientSampleId :

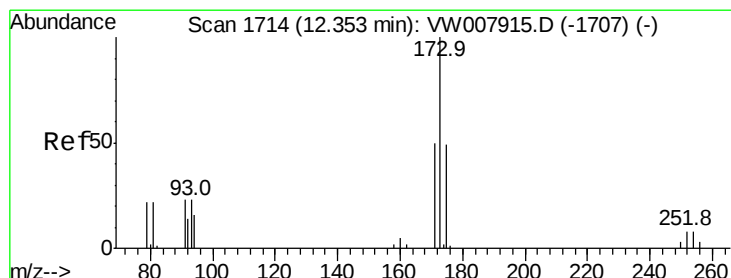
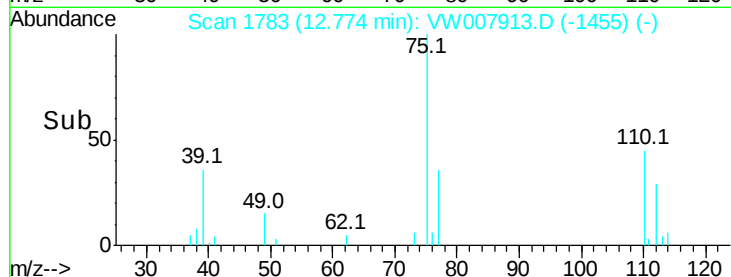
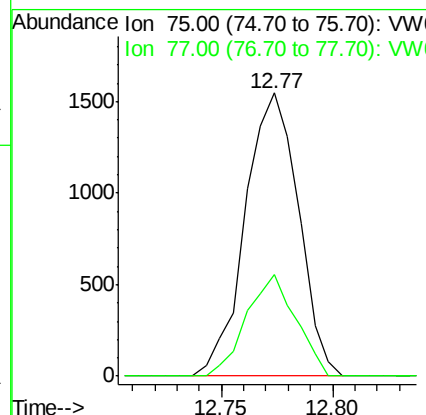
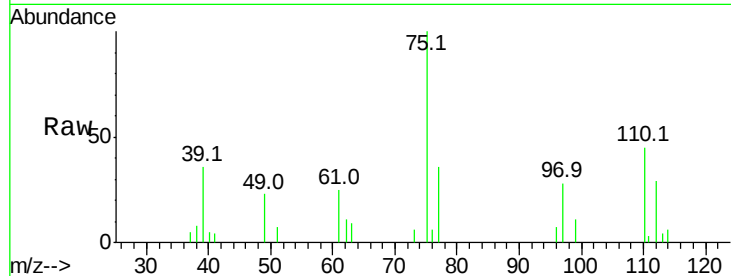
VSTD2.581

Tgt Ion: 75 Resp: 2578

Ion Ratio Lower Upper

75 100

77 33.0 25.5 38.3



#62

Bromoform

Concen: 2.029 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW007913.D

Acq: 26 Dec 2018 08:37

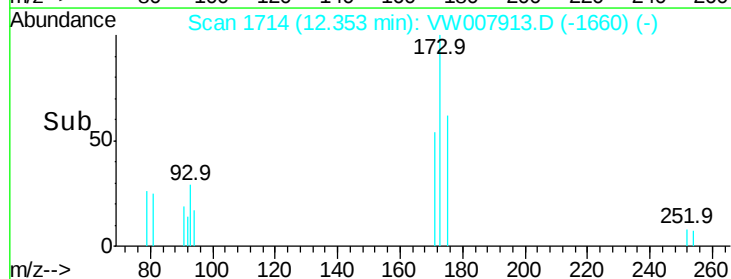
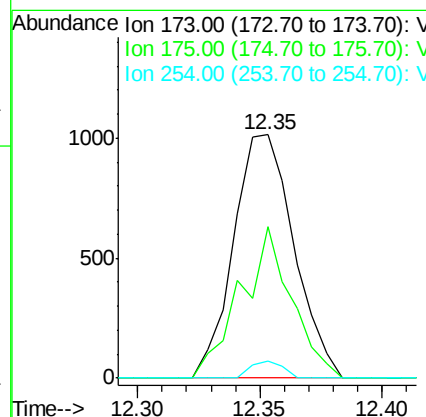
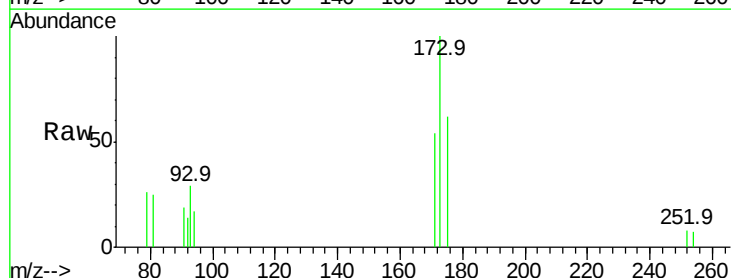
Tgt Ion: 173 Resp: 1746

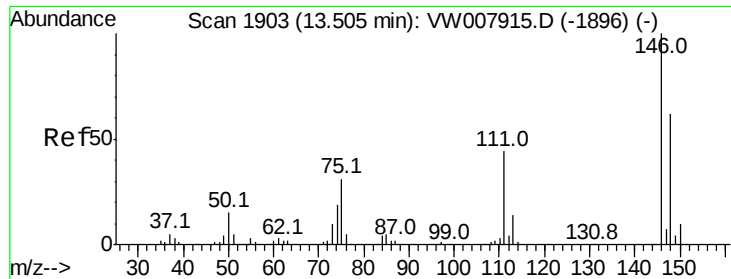
Ion Ratio Lower Upper

173 100

175 52.6 39.0 58.4

254 3.7 5.8 8.8#





#63

1,3-Dichlorobenzene

Concen: 2.554 ug/L

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW007913.D

Acq: 26 Dec 2018 08:37

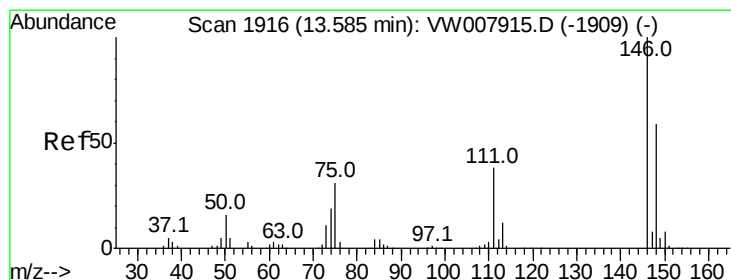
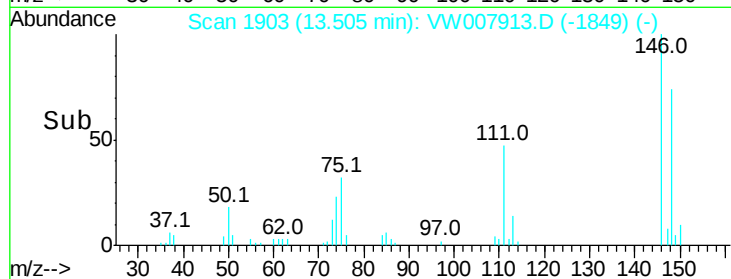
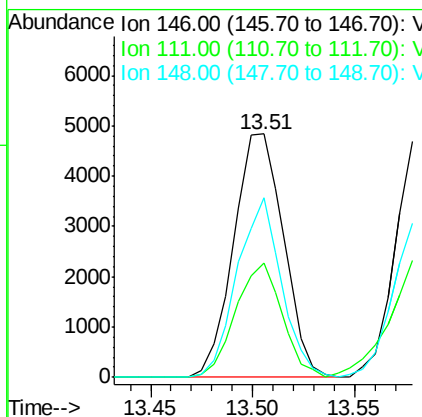
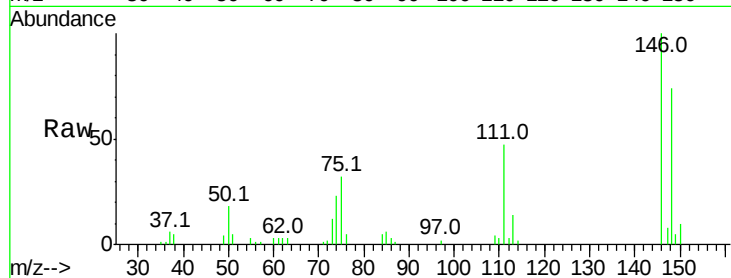
Instrument :

MSVOA_W

ClientSampleId :

VSTD2.581

Tgt Ion:	146	Resp:	8246
Ion	Ratio	Lower	Upper
146	100		
111	46.9	31.0	57.6
148	73.7	43.6	81.0



#64

1,4-Dichlorobenzene

Concen: 2.657 ug/L

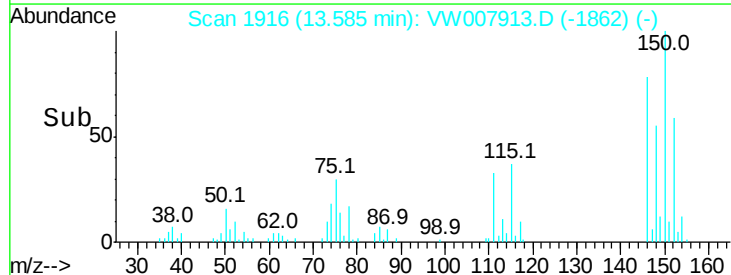
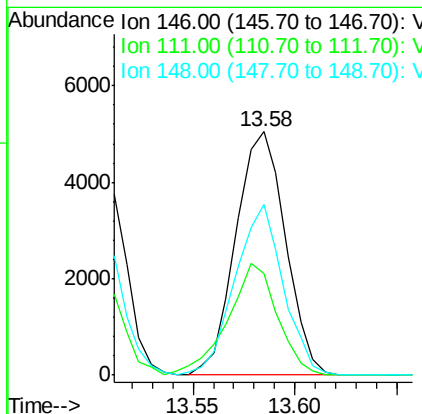
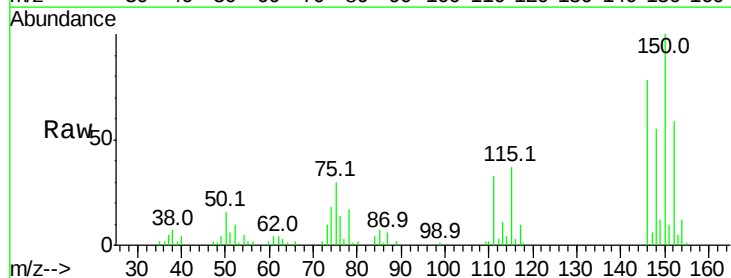
RT: 13.58 min Scan# 1916

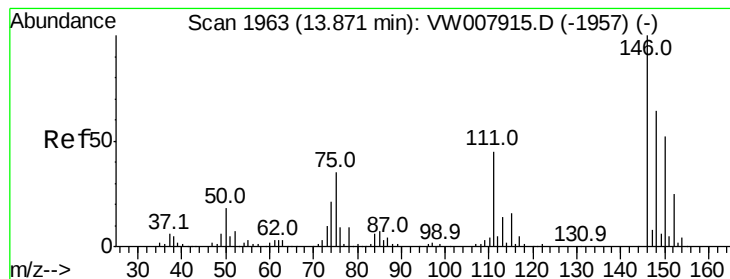
Delta R.T. -0.00 min

Lab File: VW007913.D

Acq: 26 Dec 2018 08:37

Tgt Ion:	146	Resp:	8554
Ion	Ratio	Lower	Upper
146	100		
111	41.8	26.9	49.9
148	69.9	41.6	77.3





#65

1,2-Dichlorobenzene

Concen: 2.657 ug/L

RT: 13.88 min Scan# 1964

Delta R.T. 0.01 min

Lab File: VW007913.D

Acq: 26 Dec 2018 08:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.581

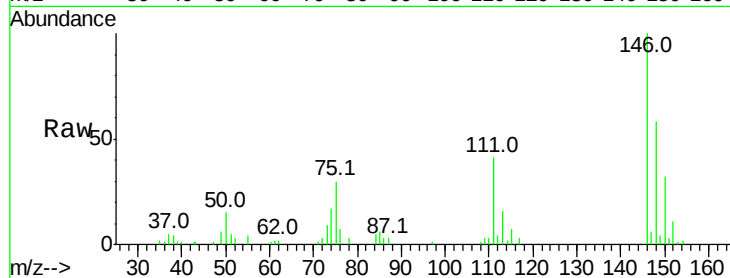
Tgt Ion:146 Resp: 7677

Ion Ratio Lower Upper

146 100

111 41.1 36.4 54.6

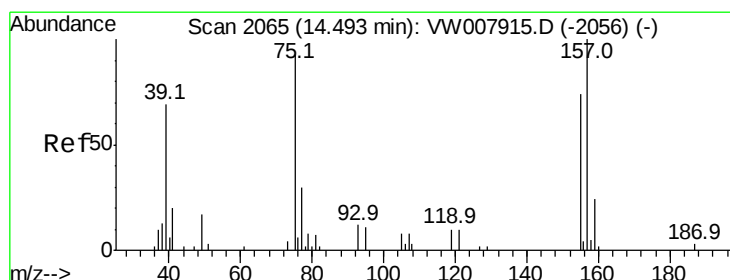
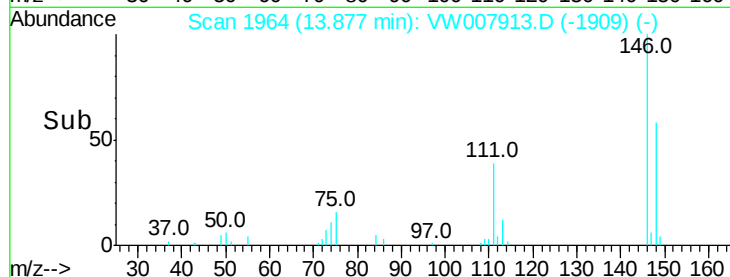
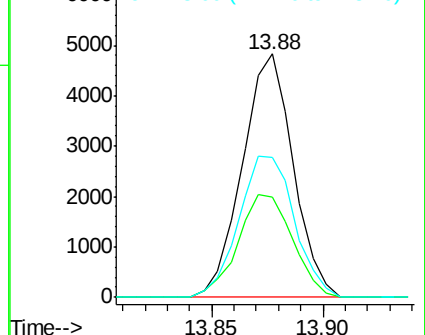
148 57.6 51.0 76.4



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: 3.467 ug/L

RT: 14.63 min Scan# 2087

Delta R.T. 0.13 min

Lab File: VW007913.D

Acq: 26 Dec 2018 08:37

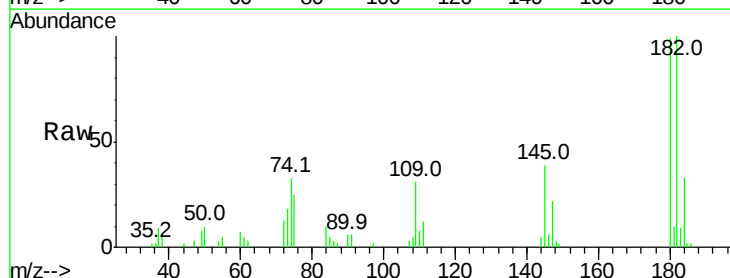
Tgt Ion: 75 Resp: 1061

Ion Ratio Lower Upper

75 100

157 0.0 85.6 128.4#

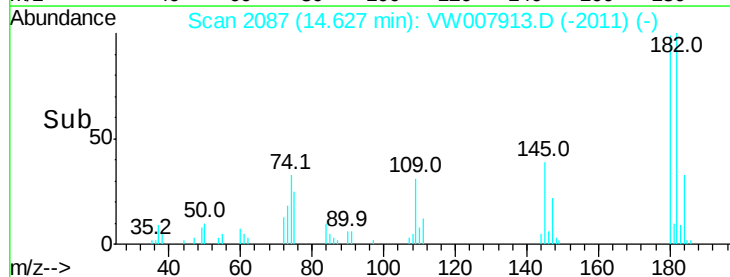
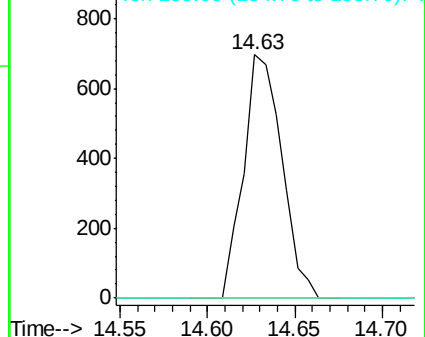
155 0.0 63.4 95.0#

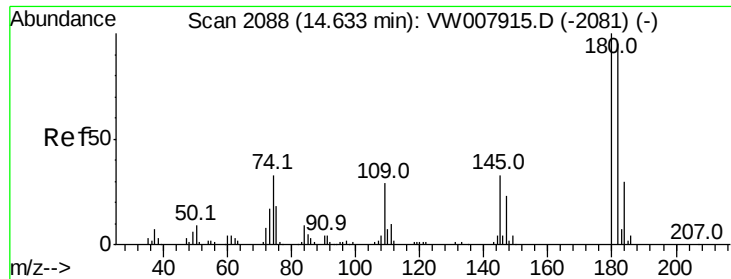


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

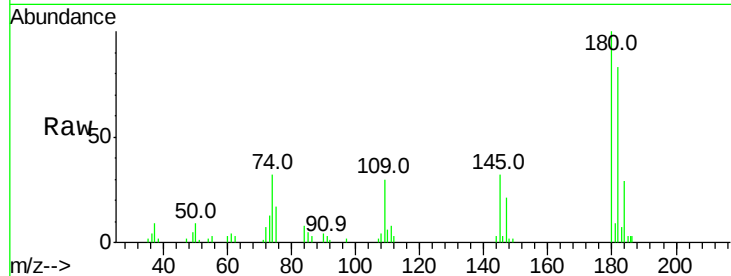




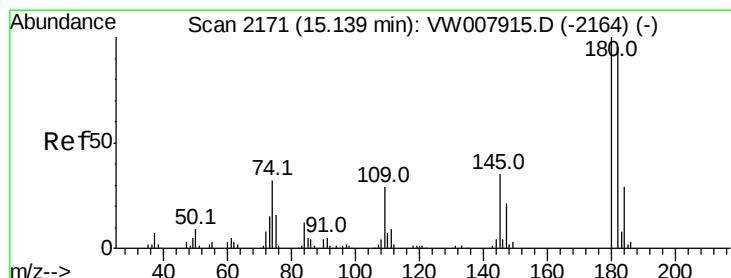
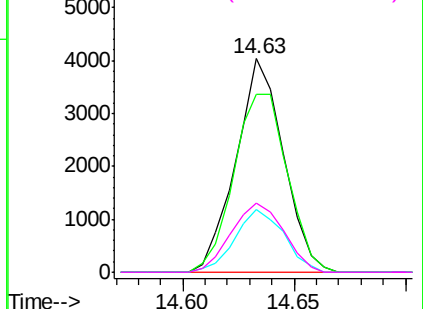
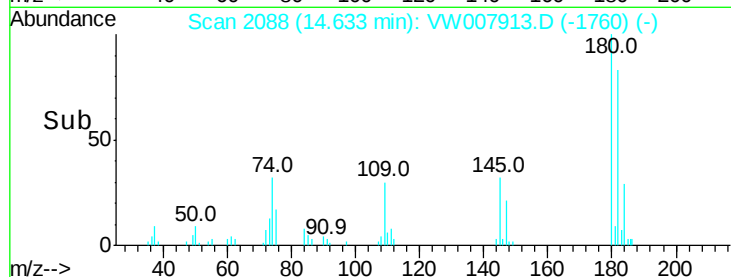
#67
 1,3,5-Trichlorobenzene
 Concen: 2.567 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW007913.D
 Acq: 26 Dec 2018 08:37

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.581

Tgt Ion:	180	Resp:	6003
Ion	Ratio	Lower	Upper
180	100		
182	94.0	75.0	112.4
184	30.5	23.5	35.3
145	35.4	26.6	39.8

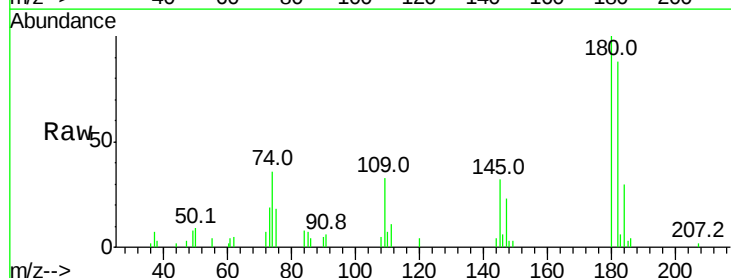


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

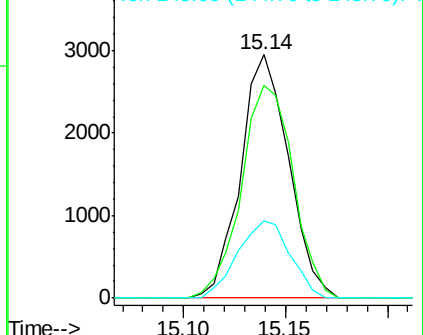
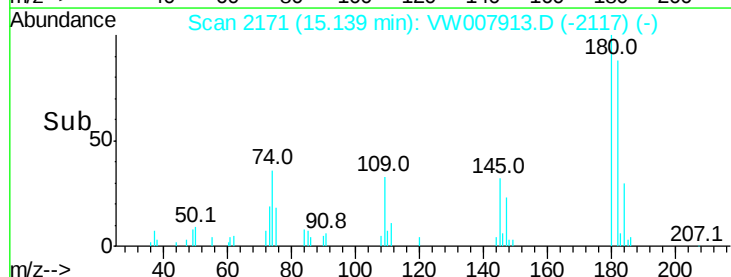


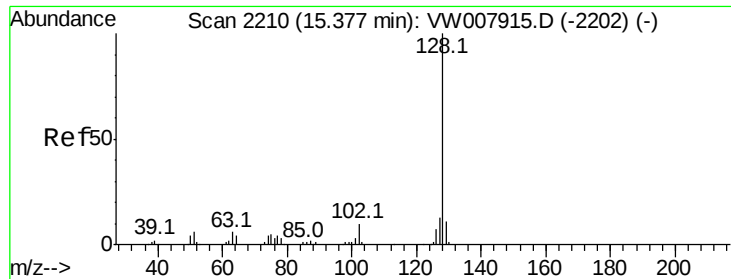
#68
 1,2,4-trichlorobenzene
 Concen: 2.402 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007913.D
 Acq: 26 Dec 2018 08:37

Tgt Ion:	180	Resp:	4844
Ion	Ratio	Lower	Upper
180	100		
182	94.1	77.0	115.6
145	34.3	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: 1.976 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW007913.D

Acq: 26 Dec 2018 08:37

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.581

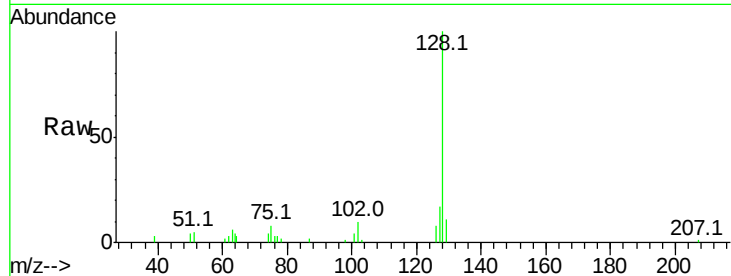
Tgt Ion:128 Resp: 9849

Ion Ratio Lower Upper

128 100

129 10.2 8.8 13.2

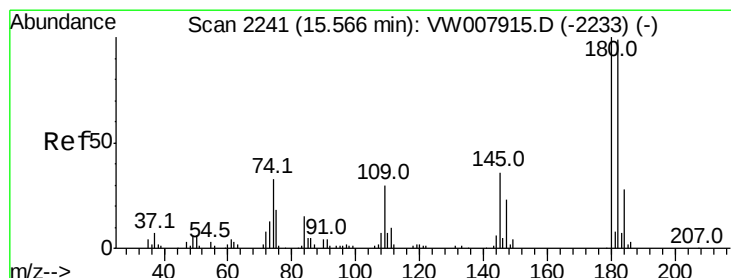
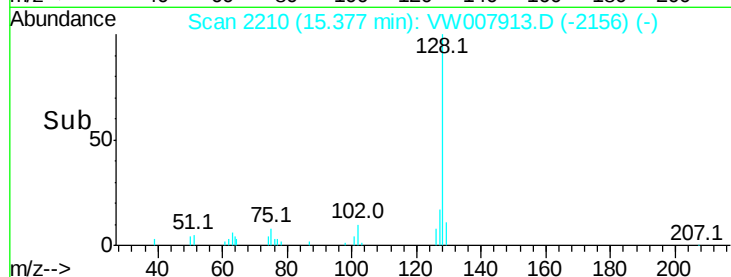
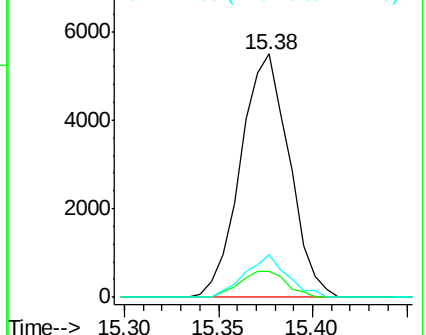
127 15.0 11.1 16.7



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: 2.360 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VW007913.D

Acq: 26 Dec 2018 08:37

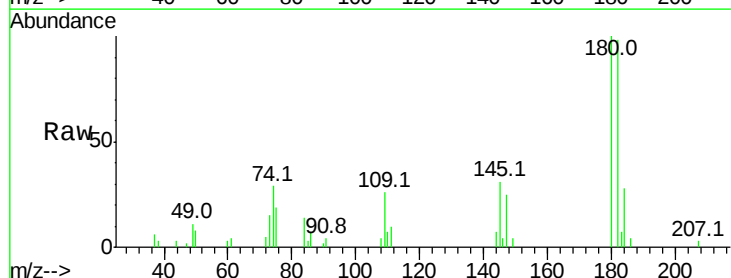
Tgt Ion:180 Resp: 4327

Ion Ratio Lower Upper

180 100

182 100.3 75.8 113.6

145 36.5 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

