

Data File : VW007914.D
Acq On : 26 Dec 2018 09:16
Operator : SY/AP
Sample : VSTD00582
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD00582

Quant Time: Dec 26 10:36:37 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	121418	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	108192	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	53402	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	4451	5.63	ug/L	0.00
7) Chloroethane-d5	2.89	69	3003	4.48	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	12096	4.43	ug/L	0.00
20) 2-Butanone-d5	7.09	46	2989	6.00	ug/L	0.01
24) Chloroform-d	7.65	84	12563	4.39	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	7084	4.35	ug/L	0.00
29) Benzene-d6	8.27	84	23157	3.94	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	6470	3.86	ug/L	0.00
37) Toluene-d8	10.32	98	22281	4.04	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	3471	4.05	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	2492	6.17	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	5566	3.64	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	8394	4.47	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	5831	4.397 ug/L	95
3) Chloromethane	2.21	50	4868	4.586 ug/L	92
5) Vinyl chloride	2.37	62	6774	6.764 ug/L	98
6) Bromomethane	2.79	94	3638	5.252 ug/L	96
8) Chloroethane	2.93	64	3225	5.350 ug/L	93
9) Trichlorofluoromethane	3.26	101	5102	4.438 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	6643	4.335 ug/L	# 37
12) 1,1-Dichloroethene	4.03	96	6550	4.594 ug/L	98
13) Acetone	4.12	43	3619	6.243 ug/L	96
14) Carbon disulfide	4.37	76	20173	4.845 ug/L	99
15) Methyl Acetate	4.67	43	3083	3.547 ug/L	99
16) Methylene chloride	4.91	84	15015	7.653 ug/L	98
17) Methyl tert-butyl Ether	5.43	73	11311	4.878 ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	6976	4.560 ug/L	92
19) 1,1-Dichloroethane	6.21	63	11515	4.416 ug/L	91
21) 2-Butanone	7.17	43	4107	6.592 ug/L	100
22) cis-1,2-Dichloroethene	7.17	96	7324	4.351 ug/L	96
23) Bromochloromethane	7.51	128	3248	4.232 ug/L	95
25) Chloroform	7.68	83	12787	4.532 ug/L	98
27) 1,2-Dichloroethane	8.40	62	9264	4.593 ug/L	97
30) Cyclohexane	7.96	56	11178	4.307 ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	11981	4.705 ug/L	99
32) Carbon tetrachloride	8.07	117	11710	4.759 ug/L	99
34) Benzene	8.32	78	26187	4.223 ug/L	100
35) Trichloroethene	9.09	95	7585	4.265 ug/L	98
36) Methylcyclohexane	9.34	83	13522	4.405 ug/L	98
40) 1,2-Dichloropropane	9.37	63	6469	4.264 ug/L	100
41) Bromodichloromethane	9.65	83	8864	4.069 ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	10601	4.161 ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	8415	7.008 ug/L	99

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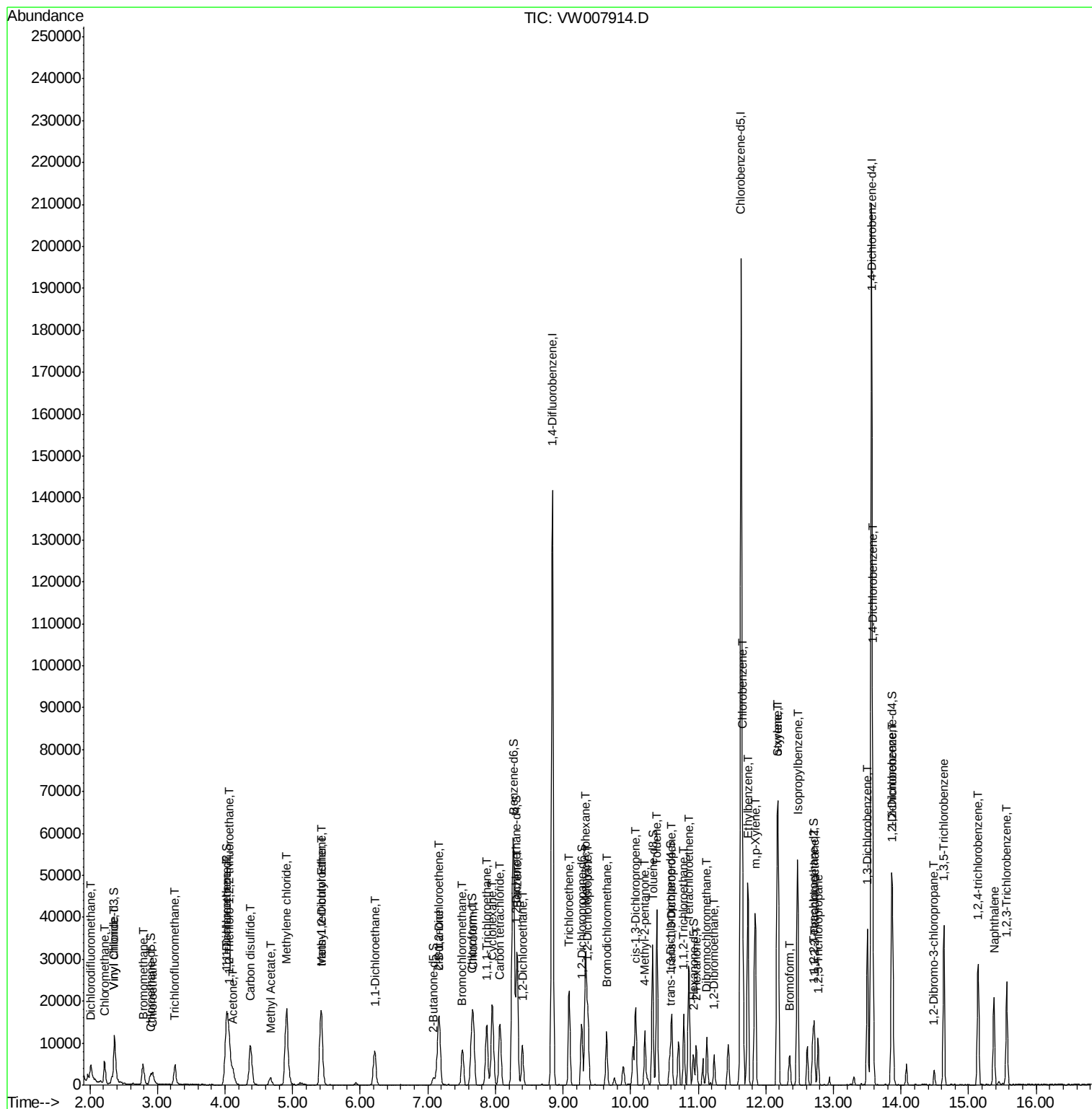
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	31001	4.638	ug/L	97
45) trans-1,3-Dichloropropene	10.60	75	9438	4.219	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	5065	4.055	ug/L	90
47) Tetrachloroethene	10.86	164	6284	4.678	ug/L	96
49) 2-Hexanone	10.97	43	5794	6.866	ug/L	96
50) Dibromochloromethane	11.13	129	6273	4.088	ug/L	96
51) 1,2-Dibromoethane	11.24	107	5062	4.035	ug/L	97
52) Chlorobenzene	11.66	112	19370	4.465	ug/L	99
53) Ethylbenzene	11.73	91	34430	4.581	ug/L	99
54) m,p-Xylene	11.84	106	13387	4.689	ug/L	96
55) o-xylene	12.17	106	12210	4.525	ug/L	93
56) Styrene	12.18	104	20207	4.369	ug/L	100
57) Isopropylbenzene	12.47	105	35694	4.740	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.72	83	5962	3.850	ug/L	93
59) 1,2,3-Trichloropropane	12.77	75	4918	4.012	ug/L	99
62) Bromoform	12.35	173	3525	3.854	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	15173	4.423	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	15340	4.485	ug/L	92
65) 1,2-Dichlorobenzene	13.88	146	14105	4.594	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	1189	3.656	ug/L #	75
67) 1,3,5-Trichlorobenzene	14.63	180	10978	4.417	ug/L	96
68) 1,2,4-trichlorobenzene	15.14	180	9385	4.380	ug/L	95
69) Naphthalene	15.38	128	18954	3.579	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	8300	4.261	ug/L	99

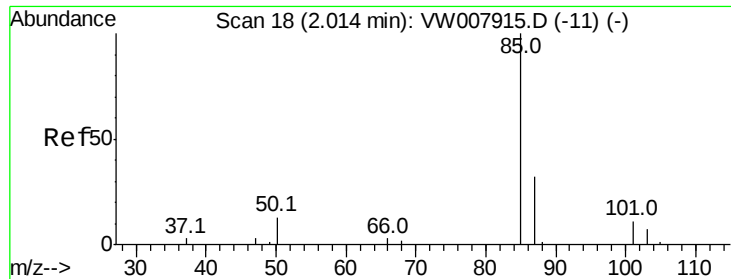
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.397 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW007914.D

Acq: 26 Dec 2018 09:16

Instrument :

MSVOA_W

ClientSampleId :

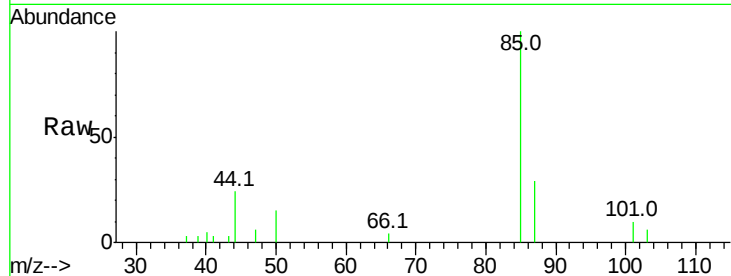
VSTD00582

Tgt Ion: 85 Resp: 5831

Ion Ratio Lower Upper

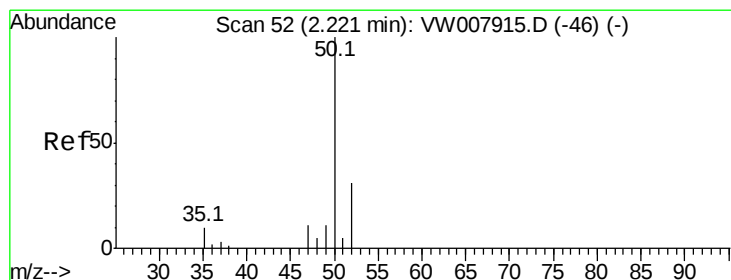
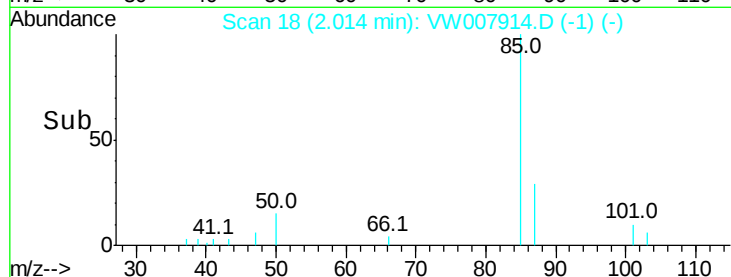
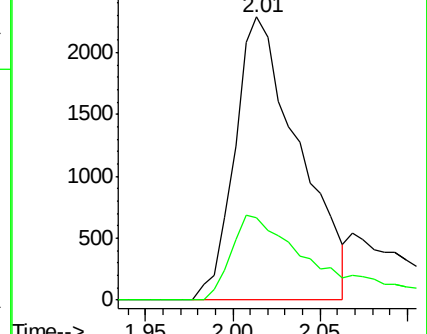
85 100

87 32.2 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: 4.586 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007914.D

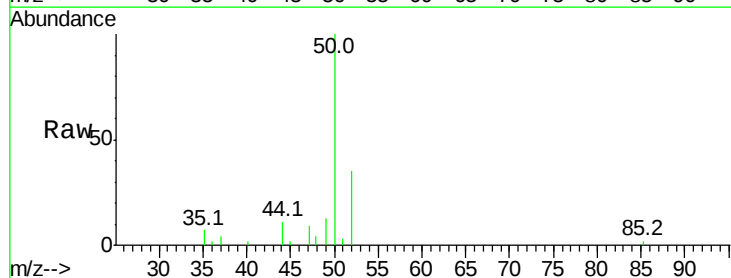
Acq: 26 Dec 2018 09:16

Tgt Ion: 50 Resp: 4868

Ion Ratio Lower Upper

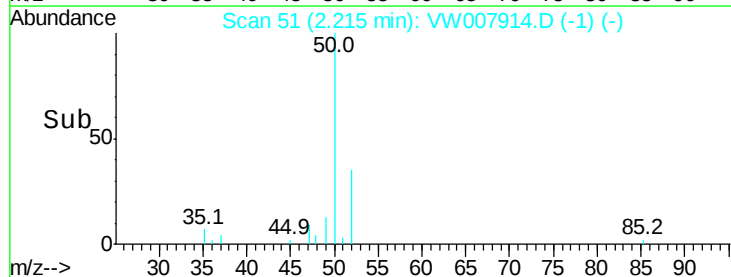
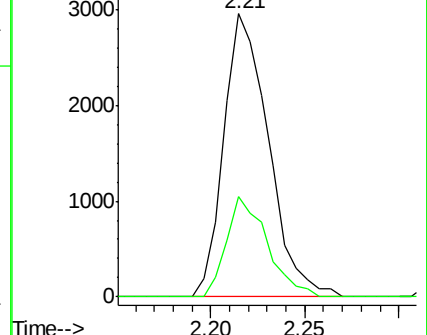
50 100

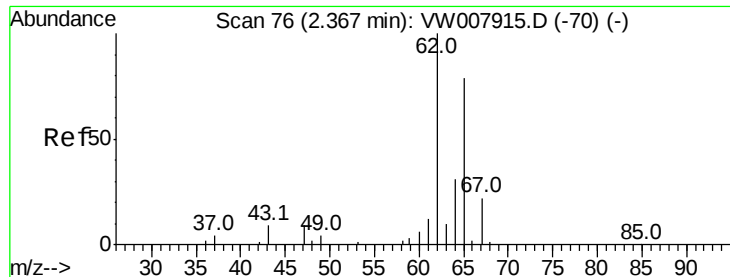
52 35.2 21.4 39.8



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 6.764 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW007914.D

Acq: 26 Dec 2018 09:16

Instrument :

MSVOA_W

ClientSampled :

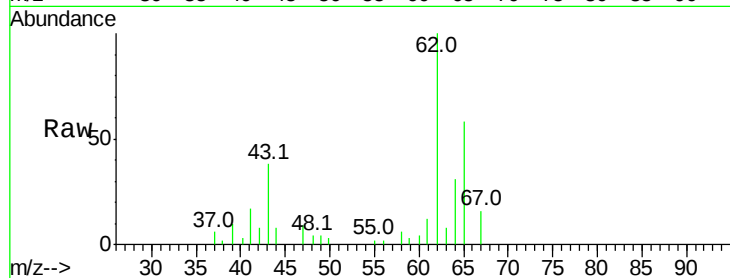
VSTD00582

Tgt Ion: 62 Resp: 6774

Ion Ratio Lower Upper

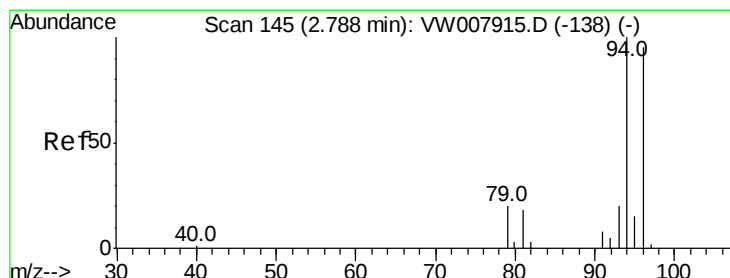
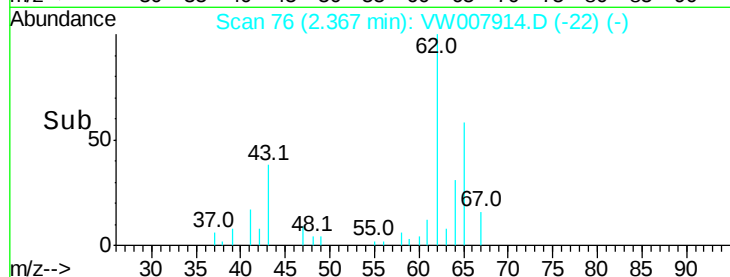
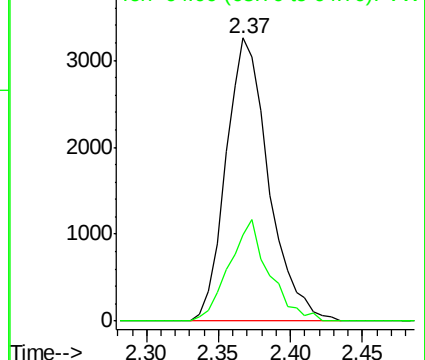
62 100

64 30.5 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: 5.252 ug/L

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW007914.D

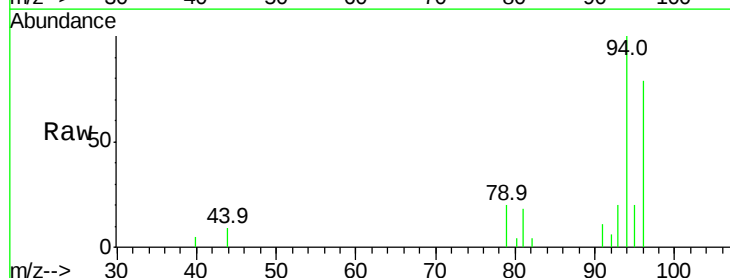
Acq: 26 Dec 2018 09:16

Tgt Ion: 94 Resp: 3638

Ion Ratio Lower Upper

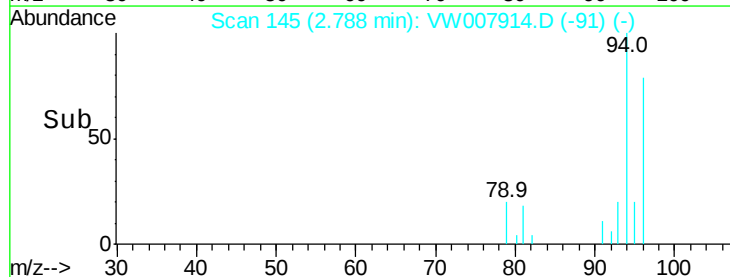
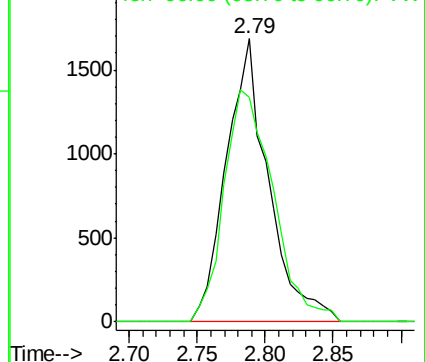
94 100

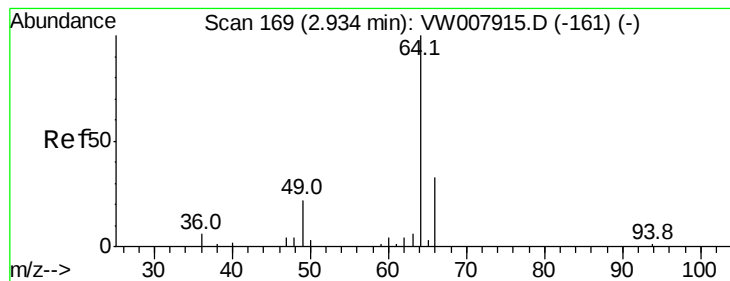
96 95.7 9.2 175.4



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 5.350 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.00 min

Lab File: VW007914.D

Acq: 26 Dec 2018 09:16

Instrument :

MSVOA_W

ClientSampleId :

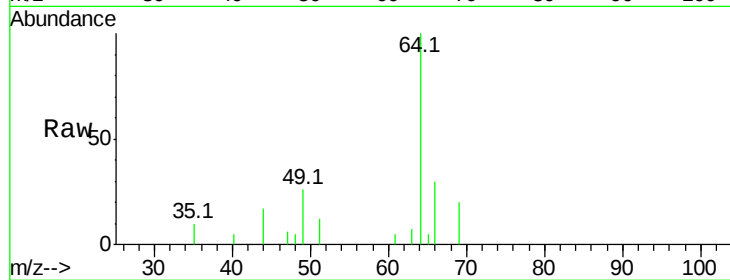
VSTD00582

Tgt Ion: 64 Resp: 3225

Ion Ratio Lower Upper

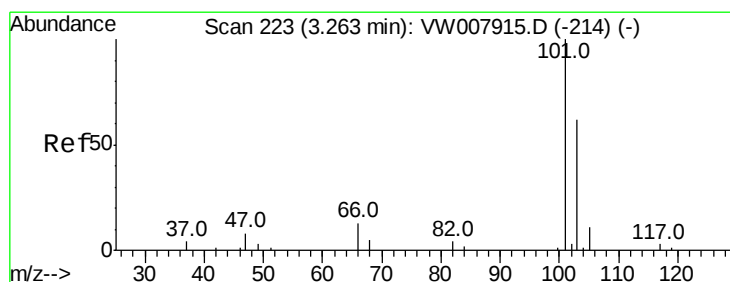
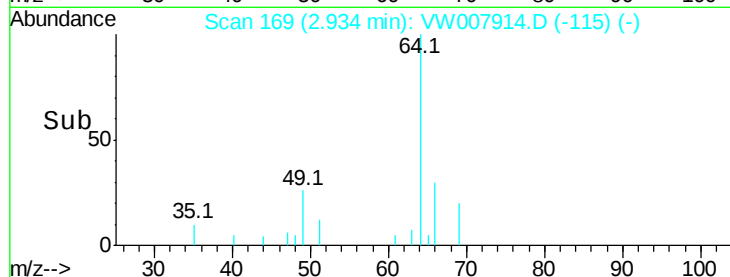
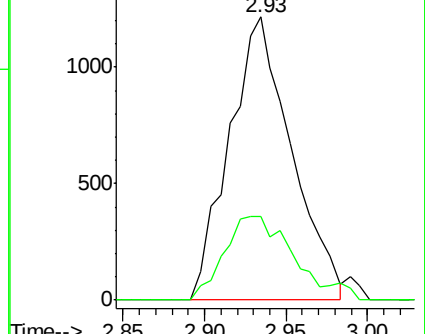
64 100

66 29.6 23.3 43.3



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 4.438 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW007914.D

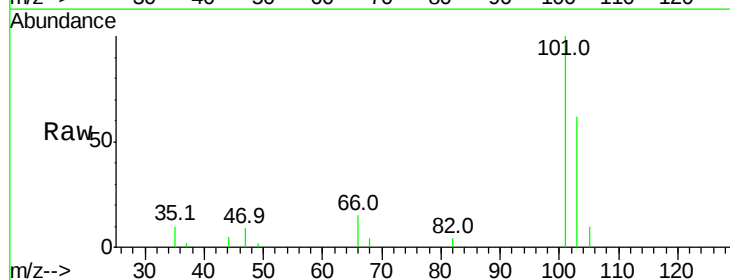
Acq: 26 Dec 2018 09:16

Tgt Ion: 101 Resp: 5102

Ion Ratio Lower Upper

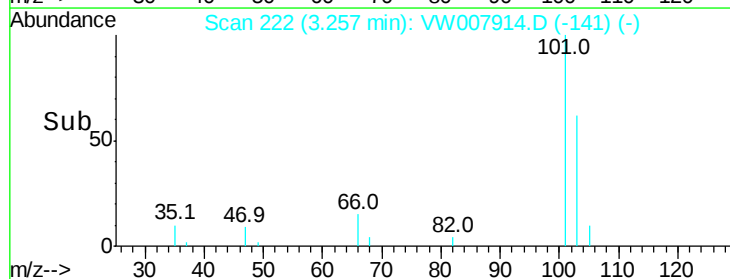
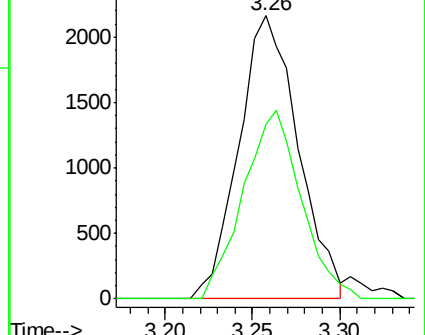
101 100

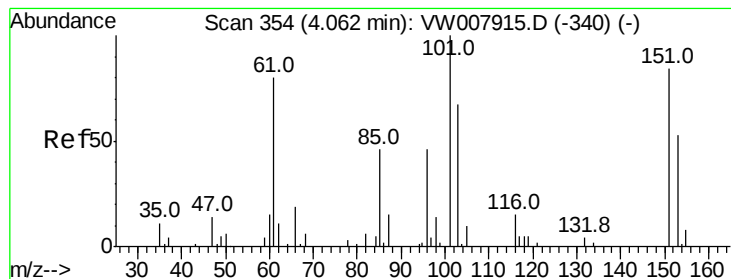
103 65.2 44.7 83.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 4.335 ug/L

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW007914.D

Acq: 26 Dec 2018 09:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD00582

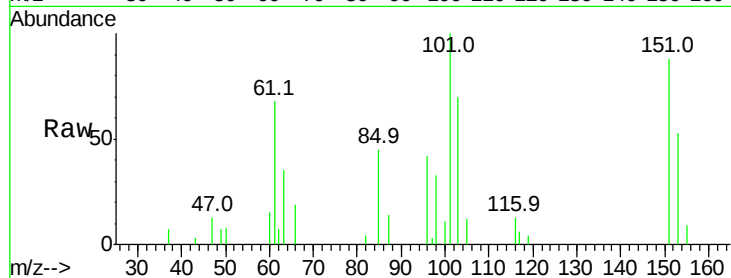
Tgt Ion: 101 Resp: 6643

Ion Ratio Lower Upper

101 100

85 24.7 33.4 50.2#

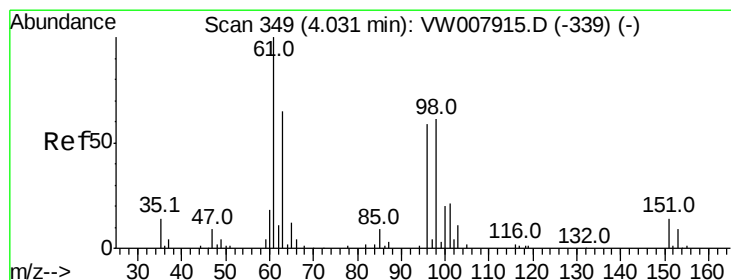
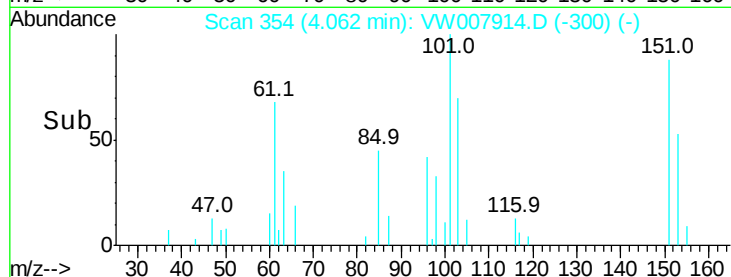
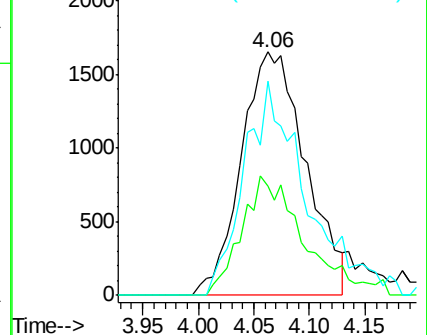
151 7.7 63.2 94.8#



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: 4.594 ug/L

RT: 4.03 min Scan# 348

Delta R.T. -0.01 min

Lab File: VW007914.D

Acq: 26 Dec 2018 09:16

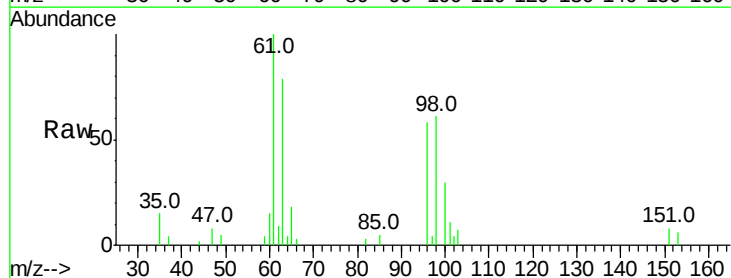
Tgt Ion: 96 Resp: 6550

Ion Ratio Lower Upper

96 100

61 172.3 120.3 223.3

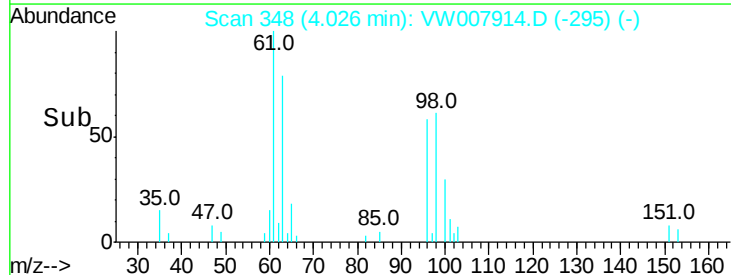
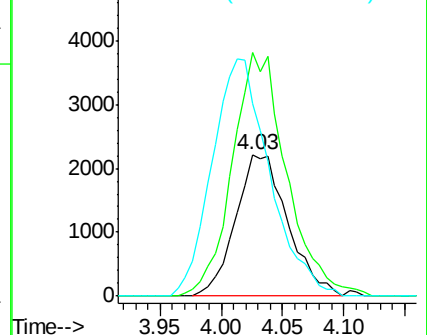
63 136.2 91.6 170.0

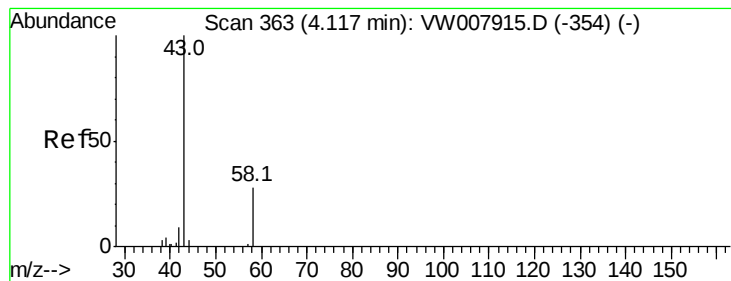


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 6.243 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

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ClientSampleId :

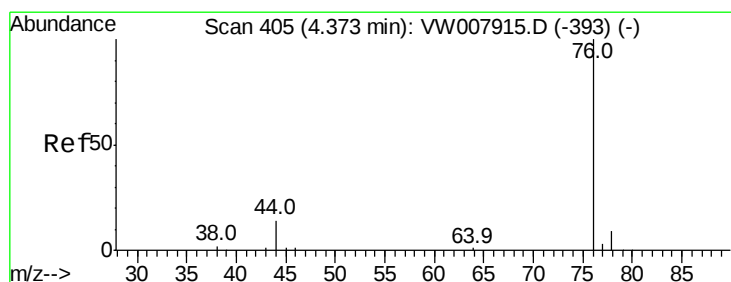
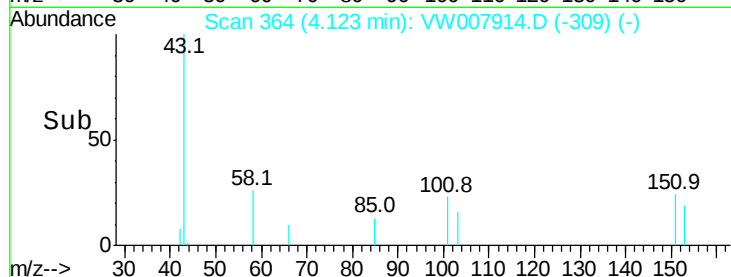
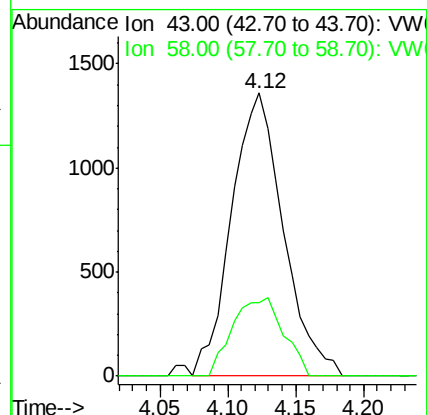
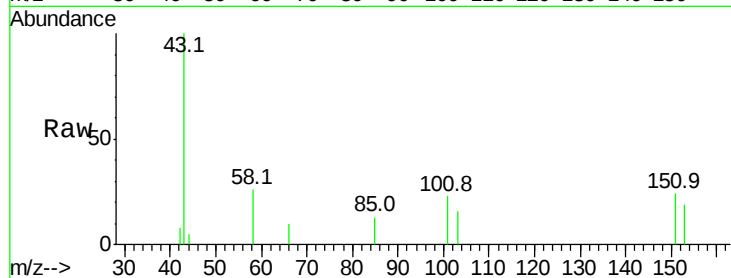
VSTD00582

Tgt Ion: 43 Resp: 3619

Ion Ratio Lower Upper

43 100

58 27.1 0.0 58.6



#14

Carbon disulfide

Concen: 4.845 ug/L

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW007914.D

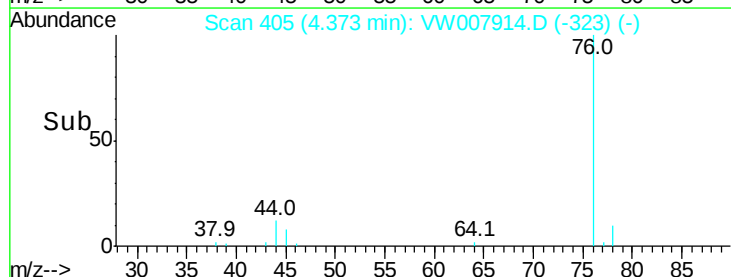
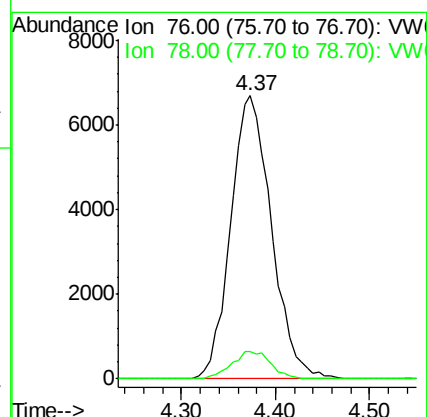
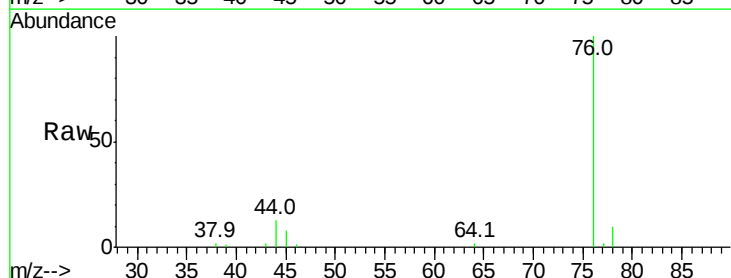
Acq: 26 Dec 2018 09:16

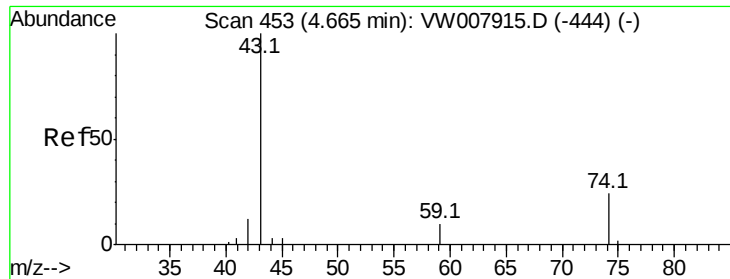
Tgt Ion: 76 Resp: 20173

Ion Ratio Lower Upper

76 100

78 9.9 7.5 11.3

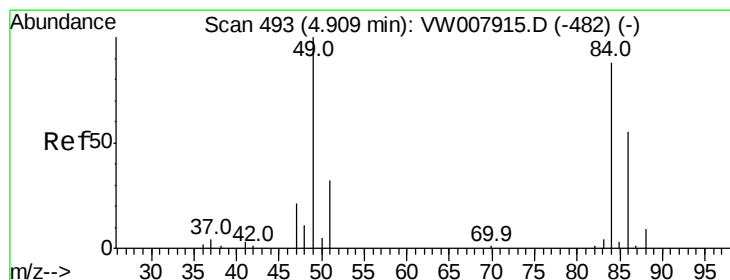
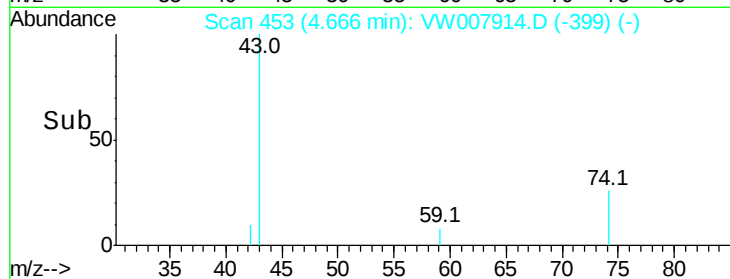
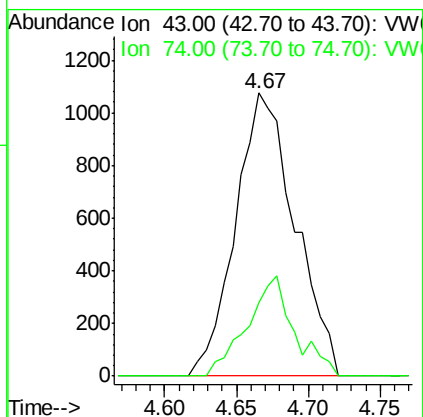
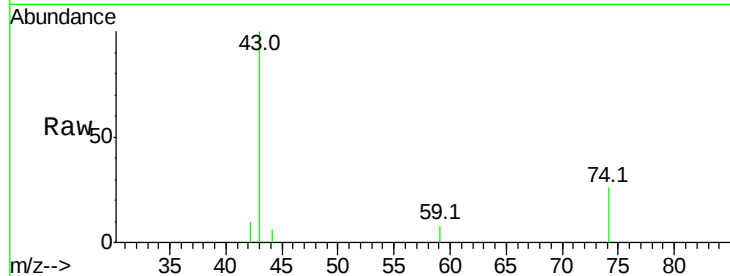




#15
Methyl Acetate
Concen: 3.547 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW007914.D
Acq: 26 Dec 2018 09:16

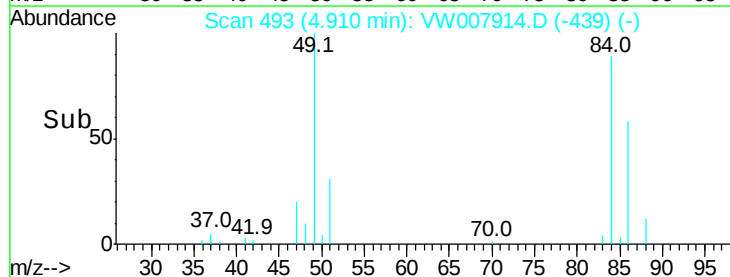
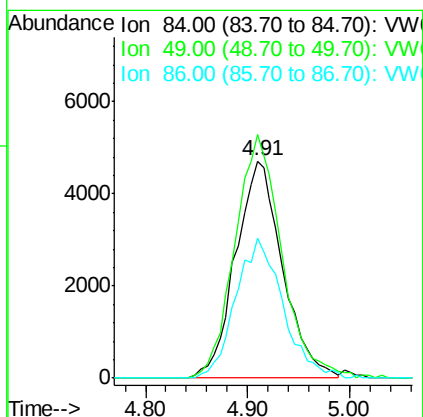
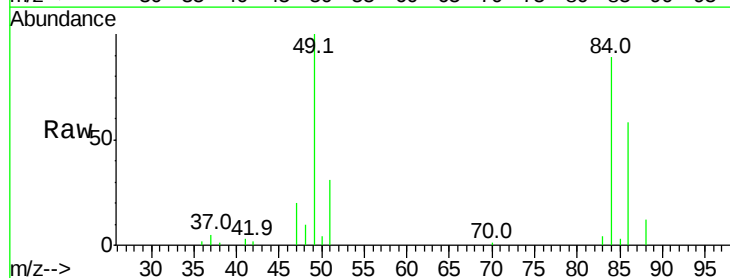
Instrument :
MSVOA_W
ClientSampleId :
VSTD00582

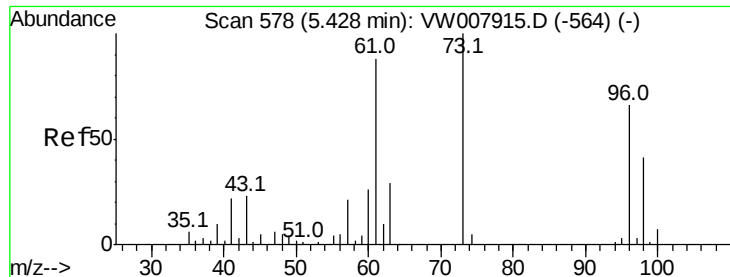
Tgt Ion: 43 Resp: 3083
Ion Ratio Lower Upper
43 100
74 24.9 20.2 30.2



#16
Methylene chloride
Concen: 7.653 ug/L
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW007914.D
Acq: 26 Dec 2018 09:16

Tgt Ion: 84 Resp: 15015
Ion Ratio Lower Upper
84 100
49 112.0 79.2 147.0
86 64.7 43.2 80.2

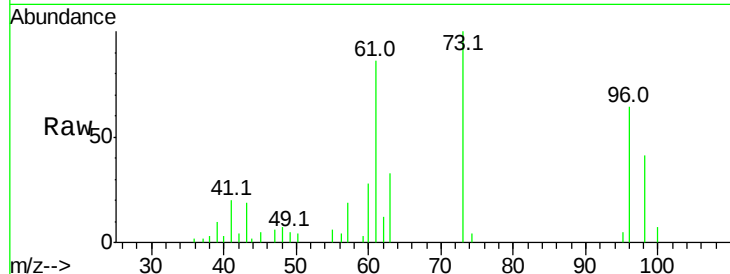




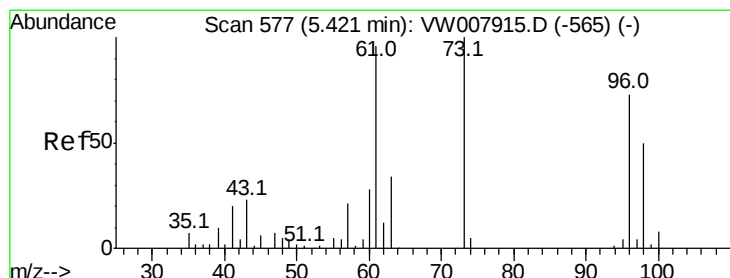
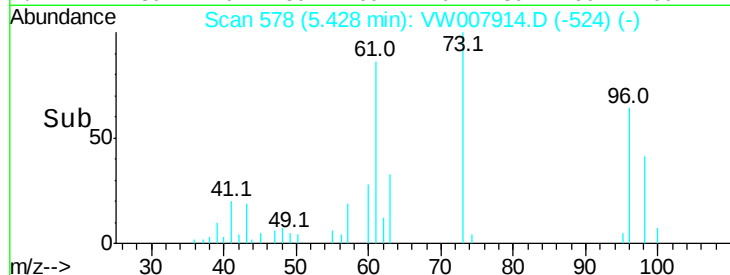
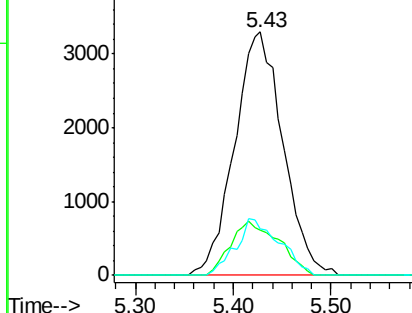
#17
Methyl tert-butyl Ether
Concen: 4.878 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW007914.D
Acq: 26 Dec 2018 09:16

Instrument :
MSVOA_W
ClientSampleId :
VSTD00582

Tgt Ion: 73 Resp: 11311
Ion Ratio Lower Upper
73 100
43 22.1 18.5 27.7
57 21.0 16.4 24.6

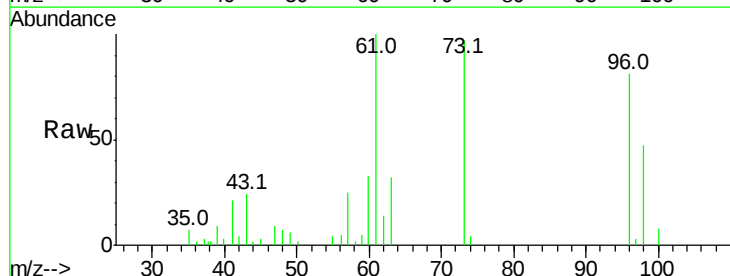


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

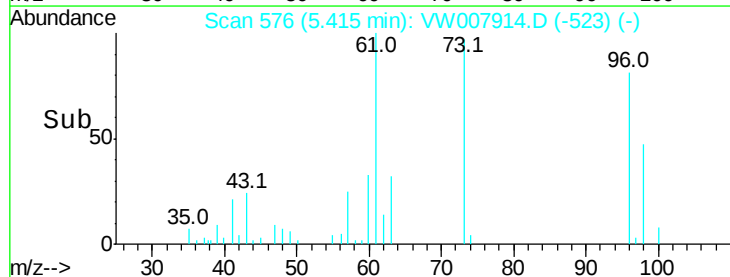
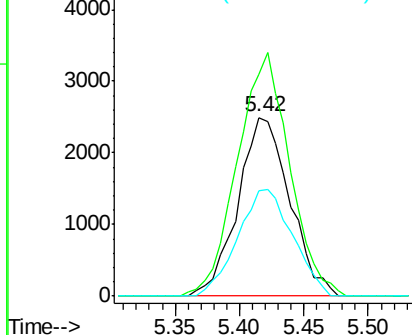


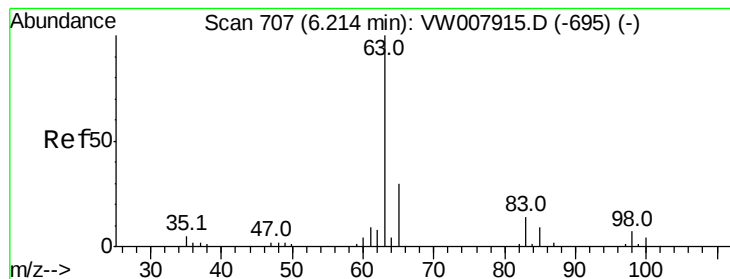
#18
trans-1,2-Dichloroethene
Concen: 4.560 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW007914.D
Acq: 26 Dec 2018 09:16

Tgt Ion: 96 Resp: 6976
Ion Ratio Lower Upper
96 100
61 123.9 91.4 169.8
98 58.7 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: 4.416 ug/L

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW007914.D

Acq: 26 Dec 2018 09:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD00582

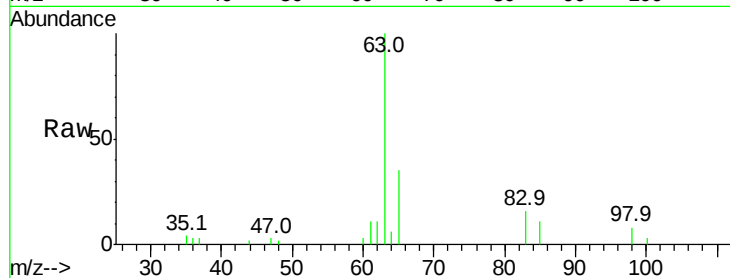
Tgt Ion: 63 Resp: 11515

Ion Ratio Lower Upper

63 100

65 35.4 20.6 38.4

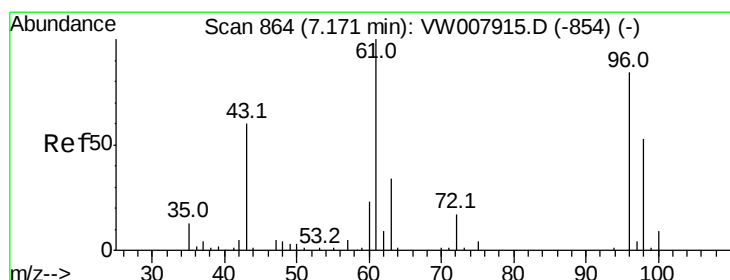
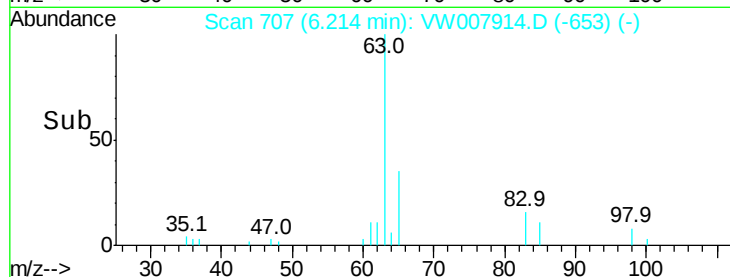
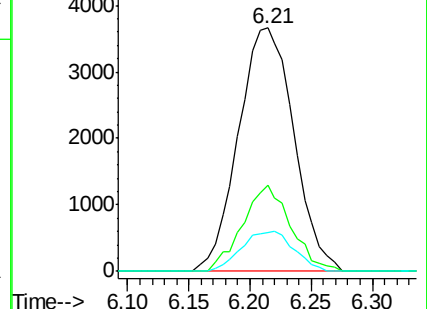
83 16.2 10.0 18.6



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 65.00 (64.70 to 65.70): VW

Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 6.592 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW007914.D

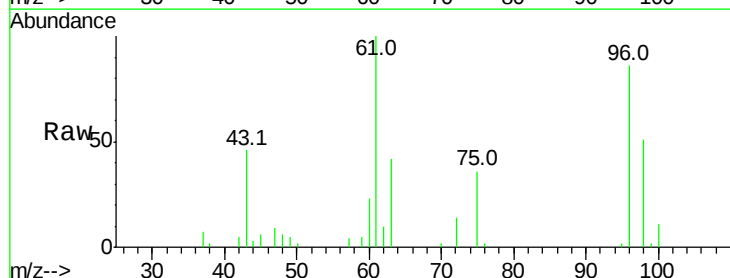
Acq: 26 Dec 2018 09:16

Tgt Ion: 43 Resp: 4107

Ion Ratio Lower Upper

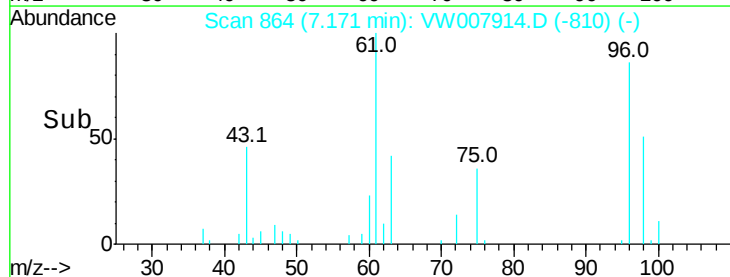
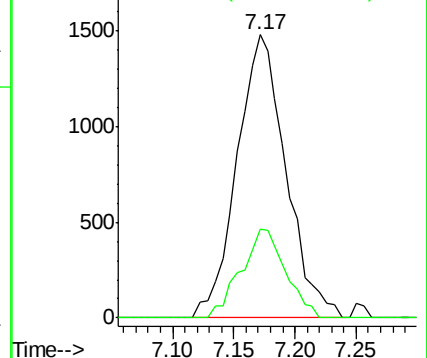
43 100

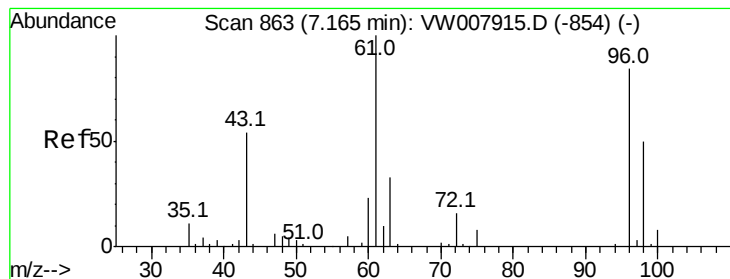
72 28.7 14.4 43.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



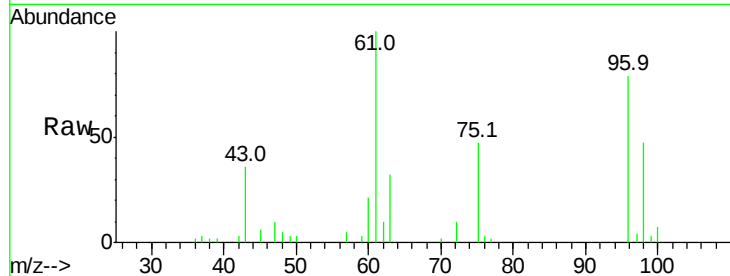


#22

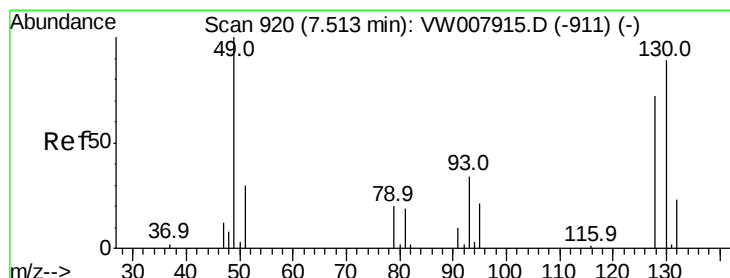
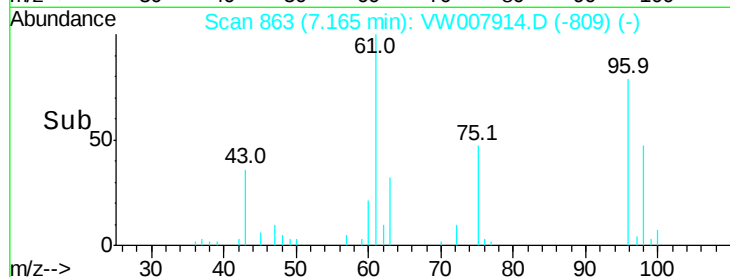
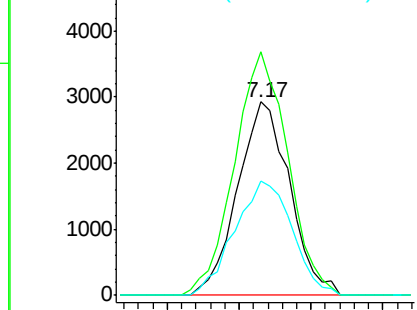
cis-1,2-Dichloroethene
 Concen: 4.351 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW007914.D
 Acq: 26 Dec 2018 09:16

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTD00582

Tgt Ion: 96 Resp: 7324
 Ion Ratio Lower Upper
 96 100
 61 125.8 83.4 155.0
 98 59.2 42.3 78.5



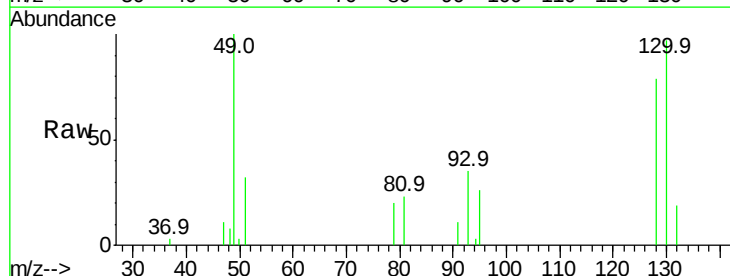
Abundance Ion 96.00 (95.70 to 96.70): VW
 Ion 61.00 (60.70 to 61.70): VW
 Ion 98.00 (97.70 to 98.70): VW



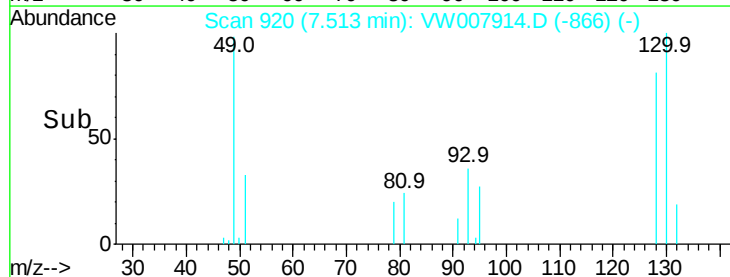
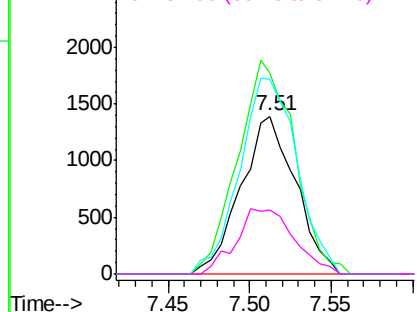
#23

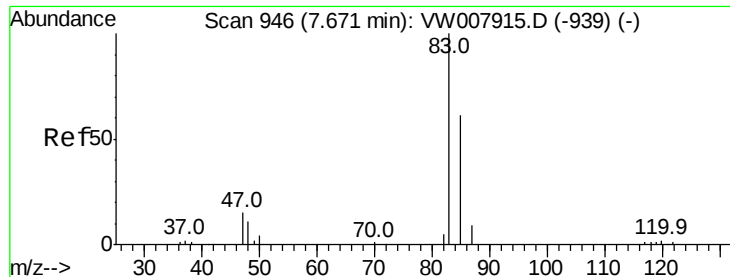
Bromochloromethane
 Concen: 4.232 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW007914.D
 Acq: 26 Dec 2018 09:16

Tgt Ion: 128 Resp: 3248
 Ion Ratio Lower Upper
 128 100
 49 127.3 96.9 180.1
 130 123.6 86.2 160.0
 51 40.3 33.5 50.3



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

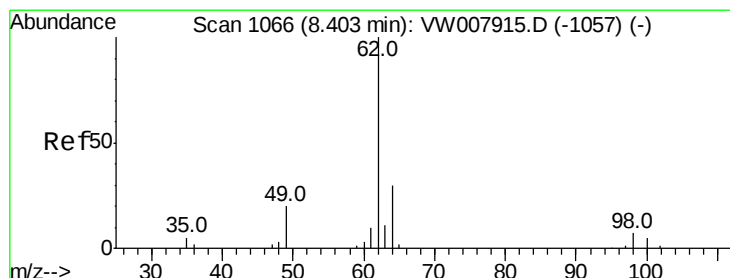
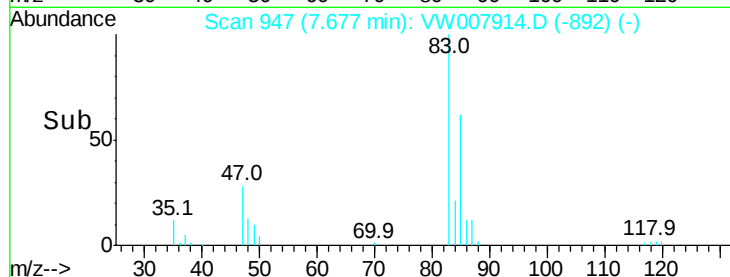
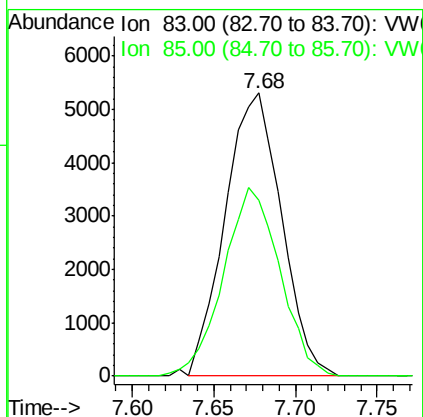
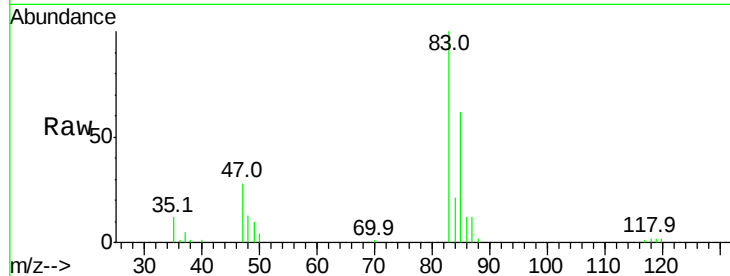




#25
Chloroform
Concen: 4.532 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW007914.D
Acq: 26 Dec 2018 09:16

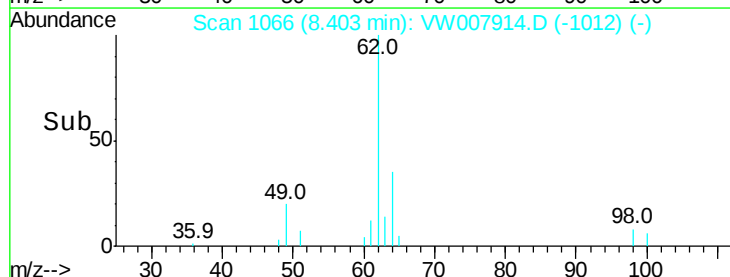
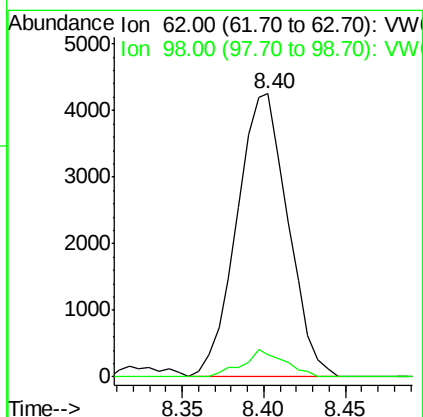
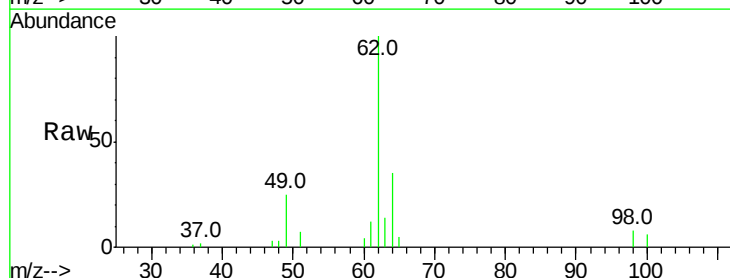
Instrument :
MSVOA_W
ClientSampled :
VSTD00582

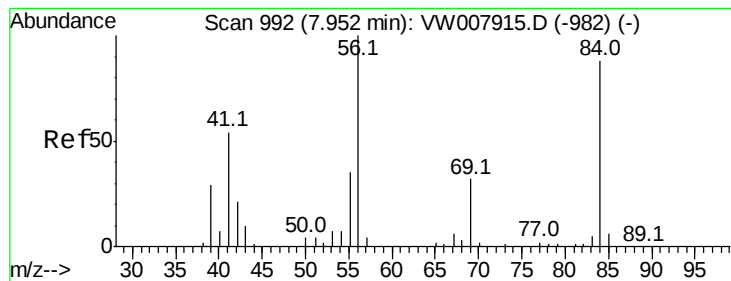
Tgt Ion: 83 Resp: 12787
Ion Ratio Lower Upper
83 100
85 66.9 45.8 85.2



#27
1,2-Dichloroethane
Concen: 4.593 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW007914.D
Acq: 26 Dec 2018 09:16

Tgt Ion: 62 Resp: 9264
Ion Ratio Lower Upper
62 100
98 8.0 5.4 8.2





#30

Cyclohexane

Concen: 4.307 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW007914.D

Acq: 26 Dec 2018 09:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD00582

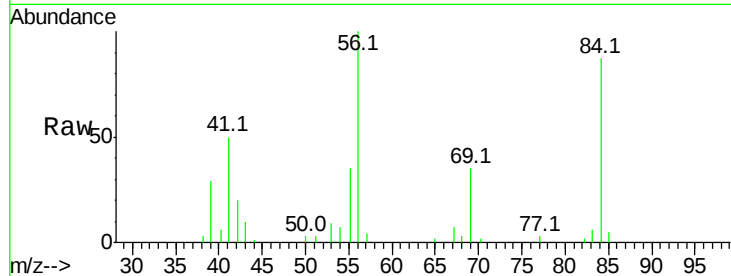
Tgt Ion: 56 Resp: 11178

Ion Ratio Lower Upper

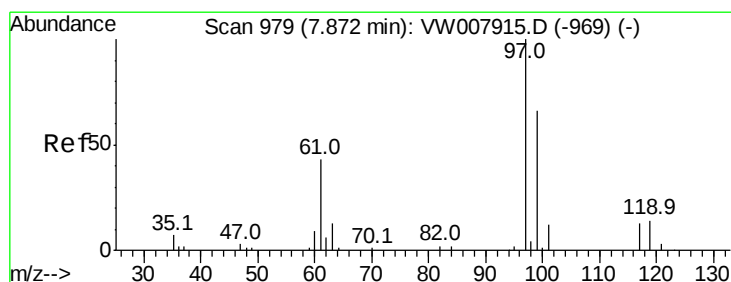
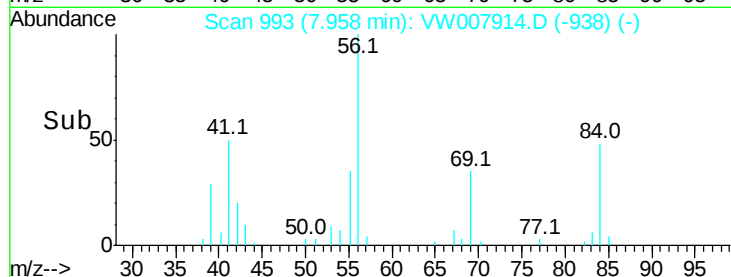
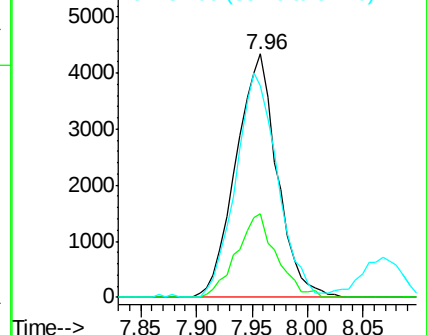
56 100

69 32.3 26.2 39.4

84 93.0 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: 4.705 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW007914.D

Acq: 26 Dec 2018 09:16

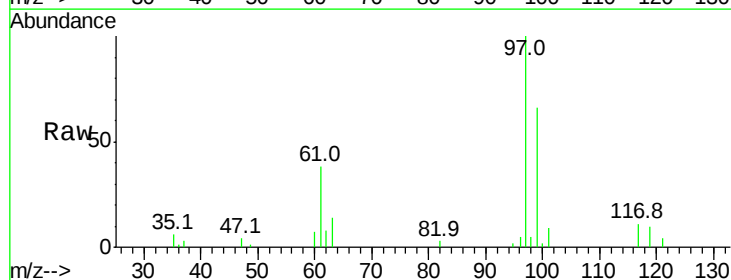
Tgt Ion: 97 Resp: 11981

Ion Ratio Lower Upper

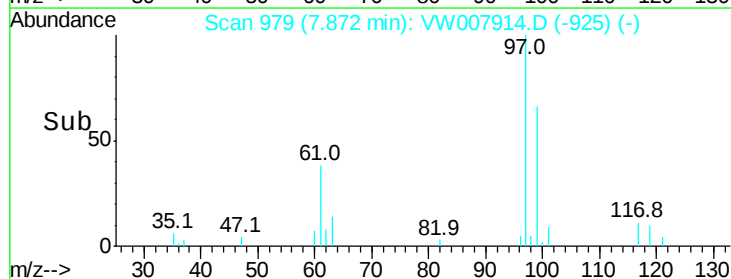
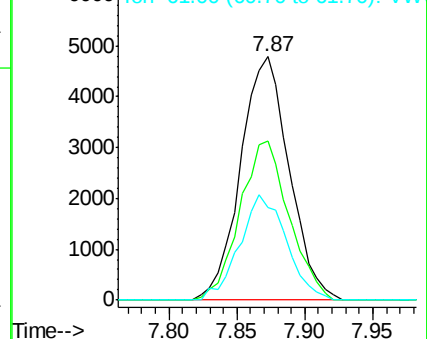
97 100

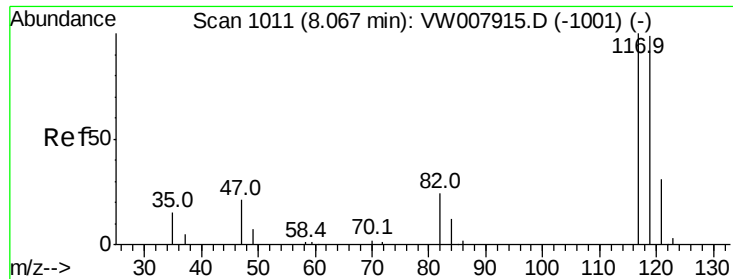
99 66.0 52.3 78.5

61 41.6 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: 4.759 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW007914.D

Acq: 26 Dec 2018 09:16

Instrument :

MSVOA_W

ClientSampleId :

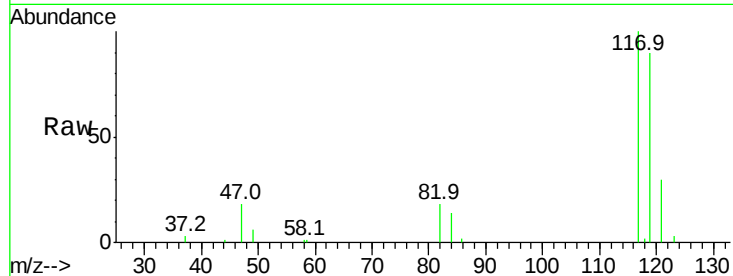
VSTD00582

Tgt Ion:117 Resp: 11710

Ion Ratio Lower Upper

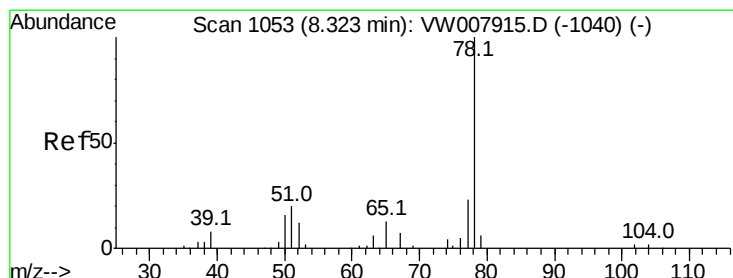
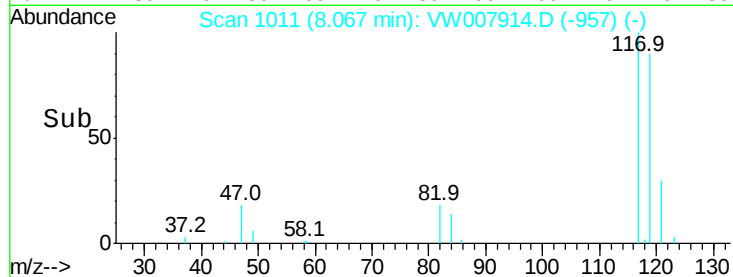
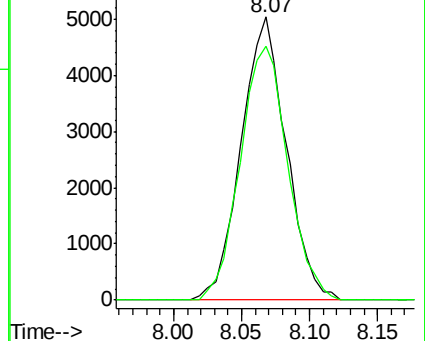
117 100

119 94.2 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: 4.223 ug/L

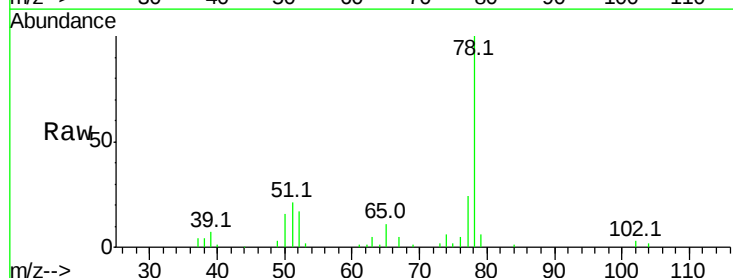
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

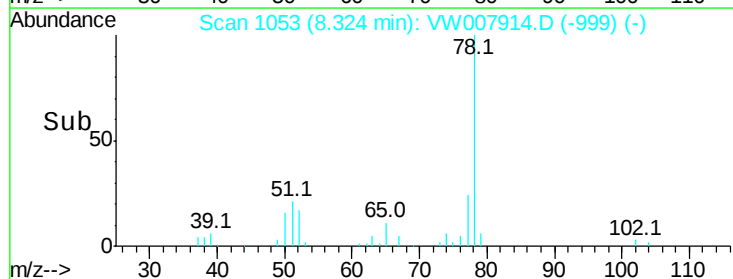
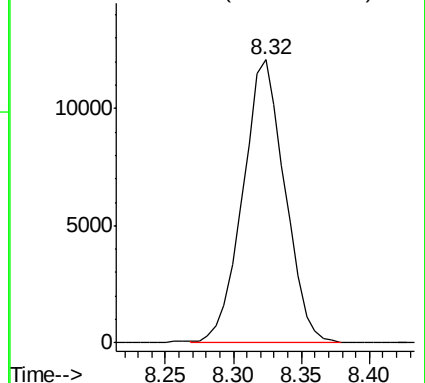
Lab File: VW007914.D

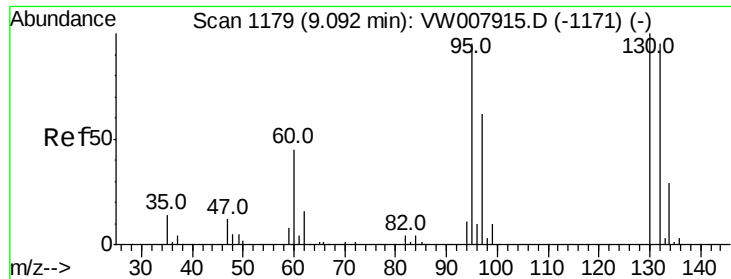
Acq: 26 Dec 2018 09:16

Tgt Ion: 78 Resp: 26187



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 4.265 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW007914.D

Acq: 26 Dec 2018 09:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD00582

Tgt Ion: 95 Resp: 7585

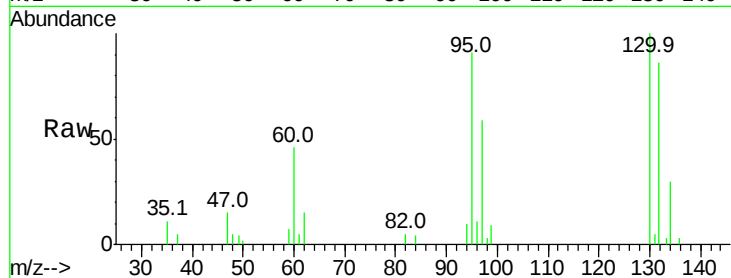
Ion Ratio Lower Upper

95 100

97 65.7 44.4 82.5

132 98.1 67.8 126.0

130 102.5 70.3 130.7

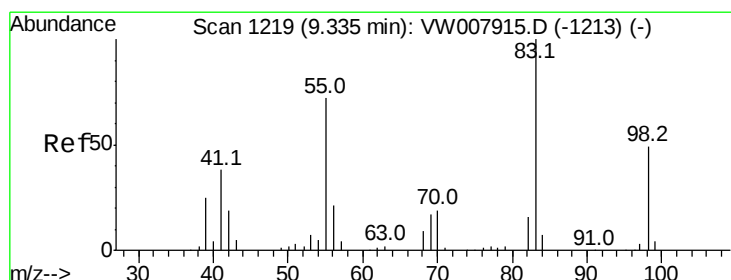
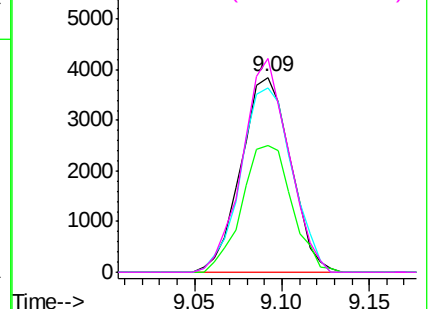
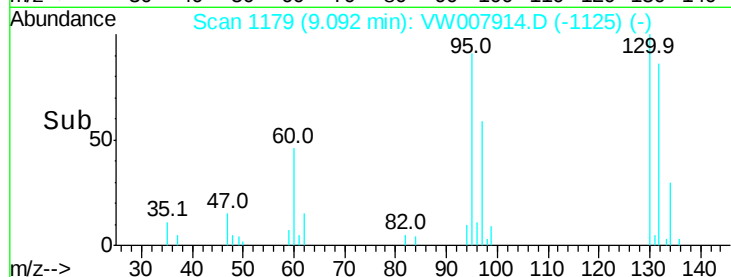


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 4.405 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW007914.D

Acq: 26 Dec 2018 09:16

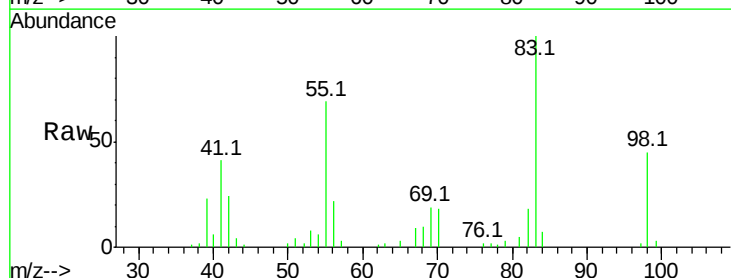
Tgt Ion: 83 Resp: 13522

Ion Ratio Lower Upper

83 100

55 73.4 59.4 89.0

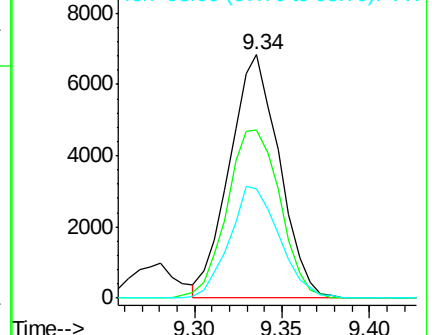
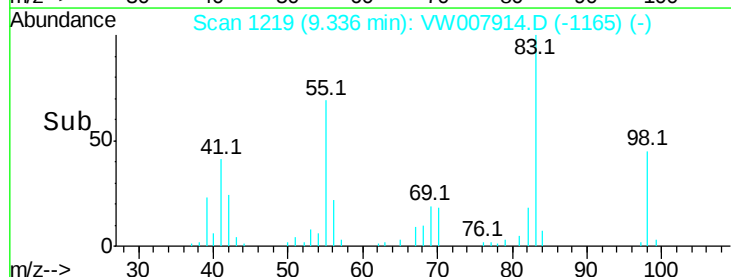
98 46.1 38.2 57.2

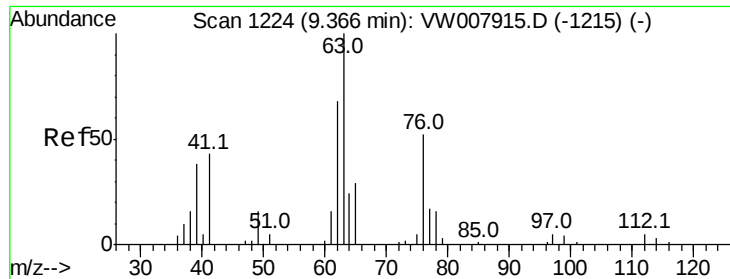


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

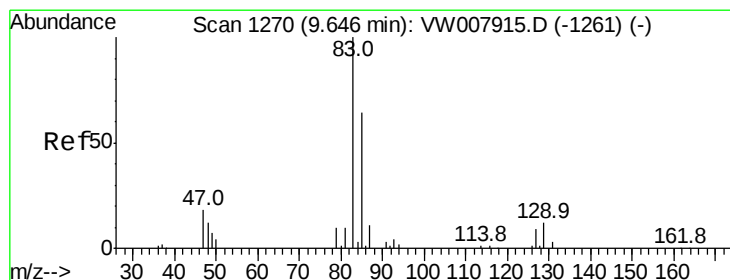
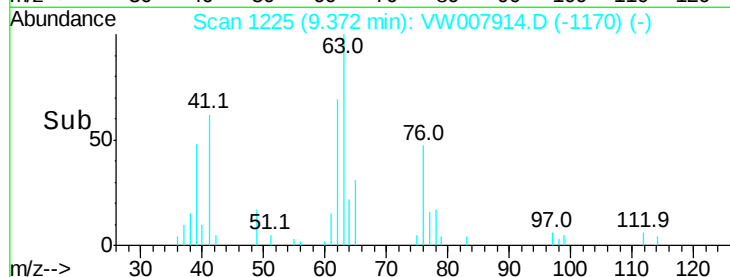
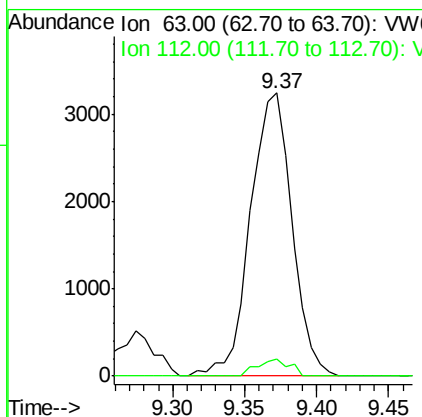
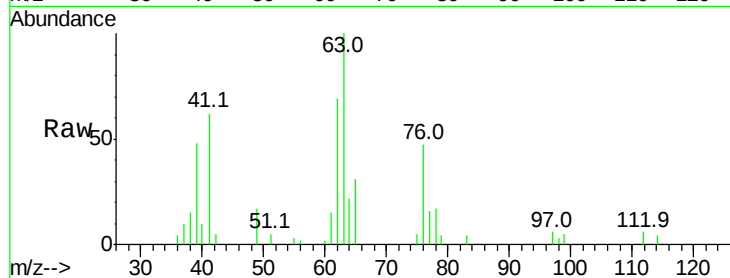




#40
 1,2-Dichloropropane
 Concen: 4.264 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW007914.D
 Acq: 26 Dec 2018 09:16

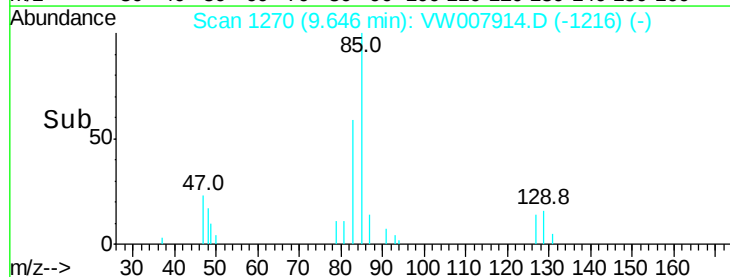
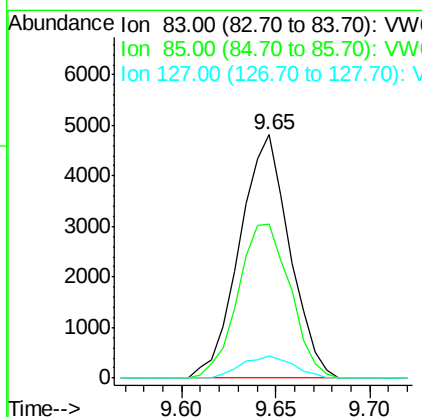
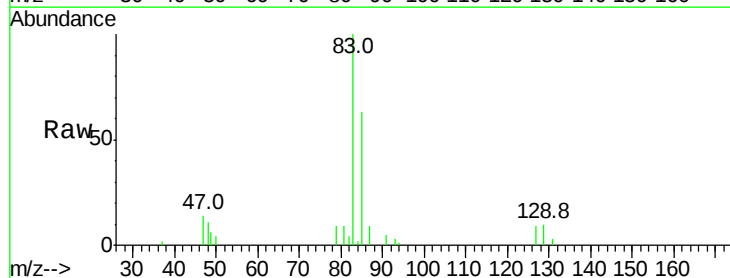
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00582

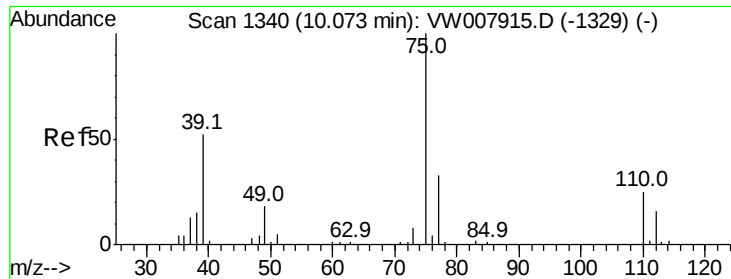
Tgt Ion: 63 Resp: 6469
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.7 5.5



#41
 Bromodichloromethane
 Concen: 4.069 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW007914.D
 Acq: 26 Dec 2018 09:16

Tgt Ion: 83 Resp: 8864
 Ion Ratio Lower Upper
 83 100
 85 63.0 44.4 82.5
 127 9.0 7.0 10.6





#42

cis-1,3-Dichloropropene

Concen: 4.161 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW007914.D

Acq: 26 Dec 2018 09:16

Instrument :

MSVOA_W

ClientSampleId :

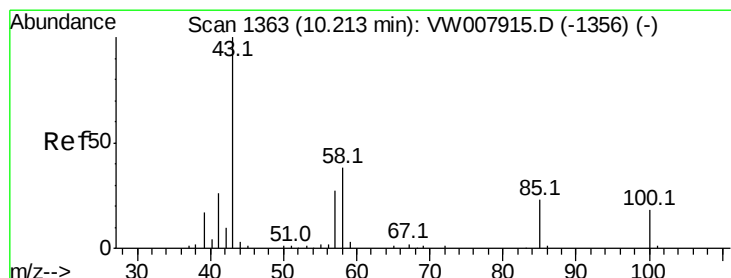
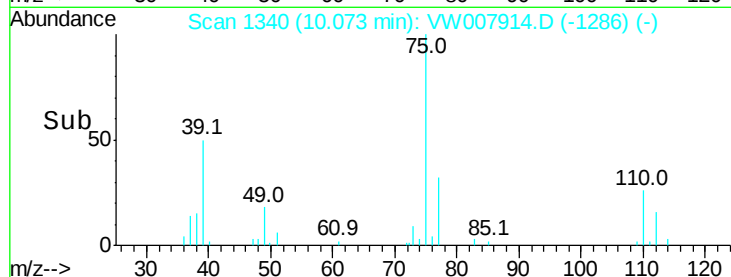
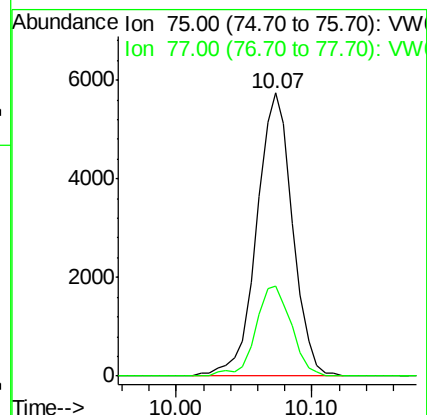
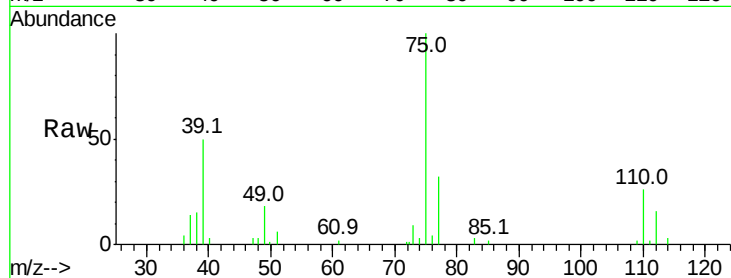
VSTD00582

Tgt Ion: 75 Resp: 10601

Ion Ratio Lower Upper

75 100

77 31.9 23.0 42.8



#43

4-Methyl-2-pentanone

Concen: 7.008 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW007914.D

Acq: 26 Dec 2018 09:16

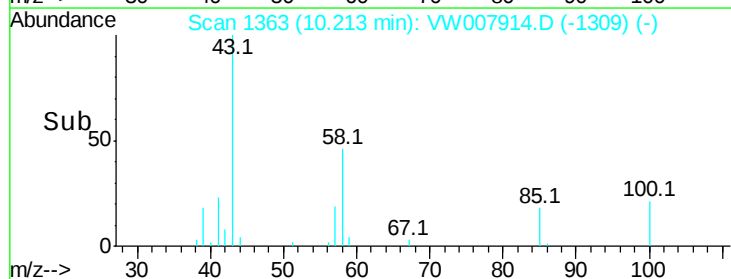
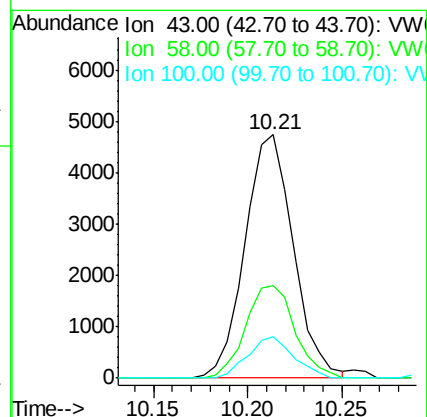
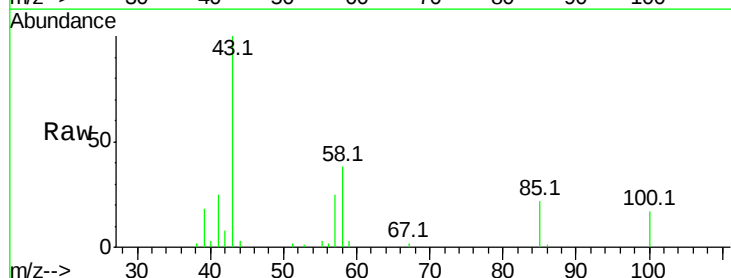
Tgt Ion: 43 Resp: 8415

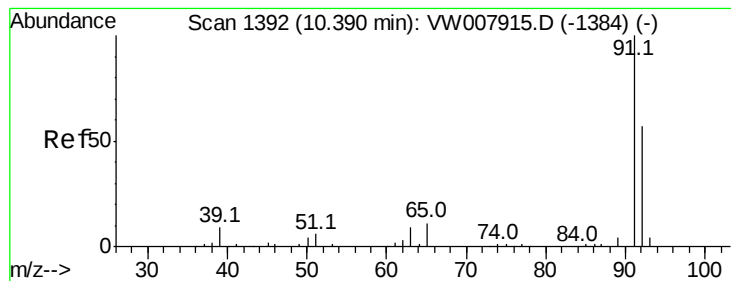
Ion Ratio Lower Upper

43 100

58 38.6 31.1 46.7

100 16.0 14.0 21.0





#44

Toluene

Concen: 4.638 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007914.D

Acq: 26 Dec 2018 09:16

Instrument :

MSVOA_W

ClientSampleId :

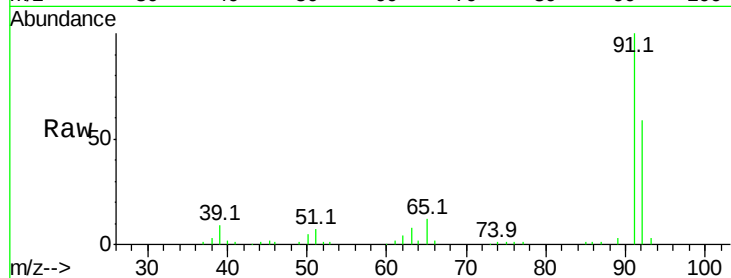
VSTD00582

Tgt Ion: 91 Resp: 31001

Ion Ratio Lower Upper

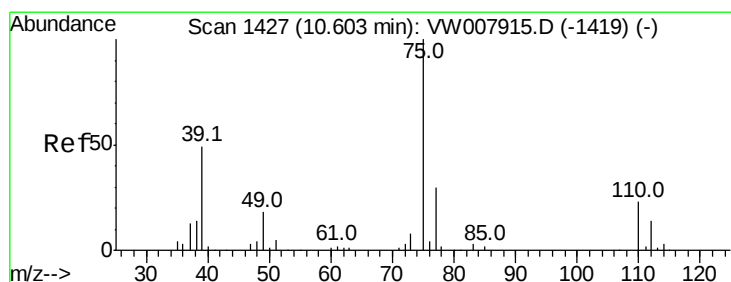
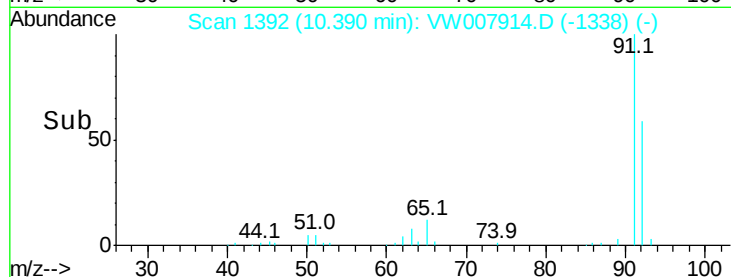
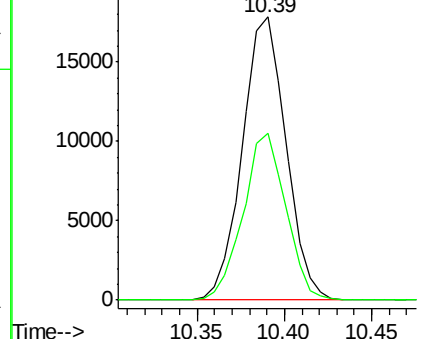
91 100

92 58.9 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: 4.219 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW007914.D

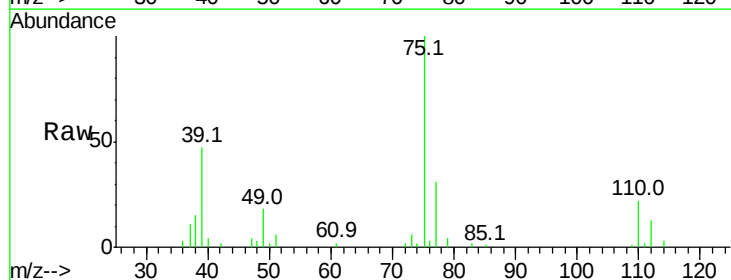
Acq: 26 Dec 2018 09:16

Tgt Ion: 75 Resp: 9438

Ion Ratio Lower Upper

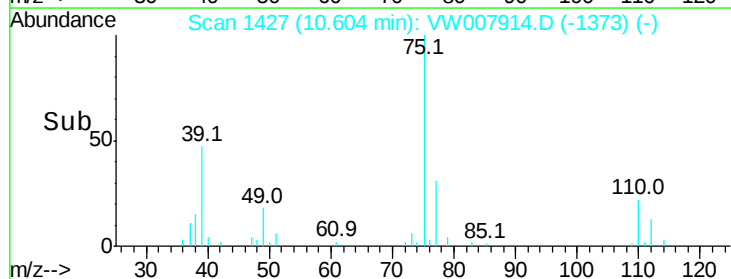
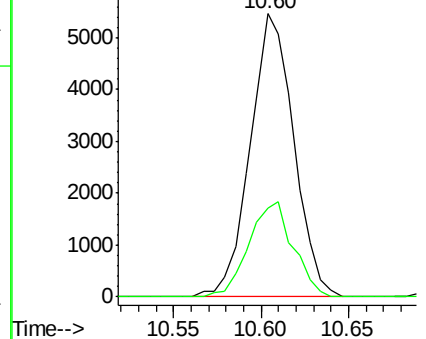
75 100

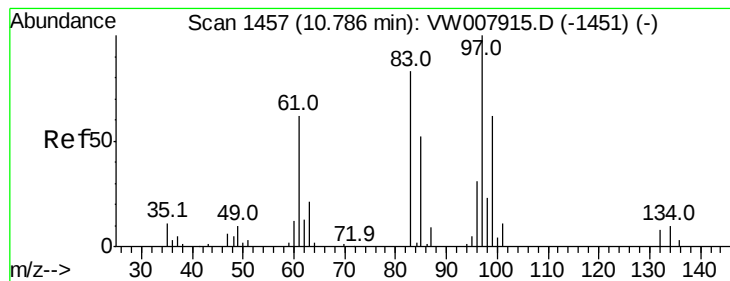
77 31.2 21.1 39.3



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: 4.055 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW007914.D

Acq: 26 Dec 2018 09:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD00582

Tgt Ion: 97 Resp: 5065

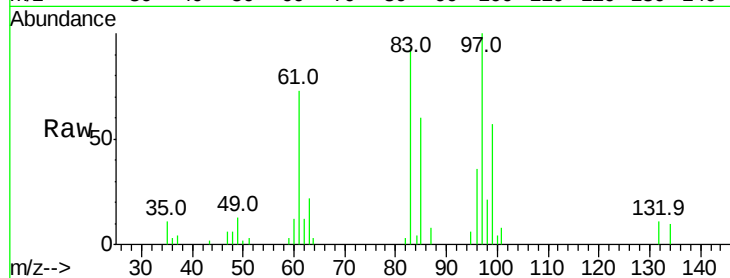
Ion Ratio Lower Upper

97 100

83 92.8 58.4 108.6

85 60.2 36.4 67.6

99 56.7 43.8 81.3

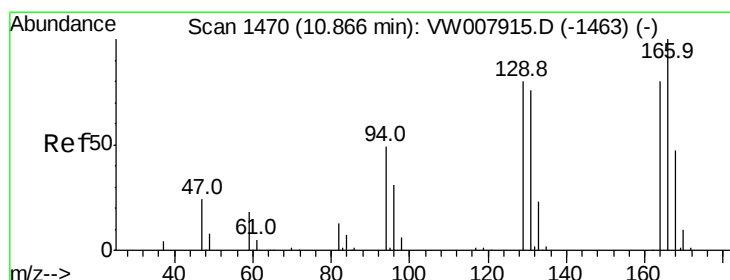
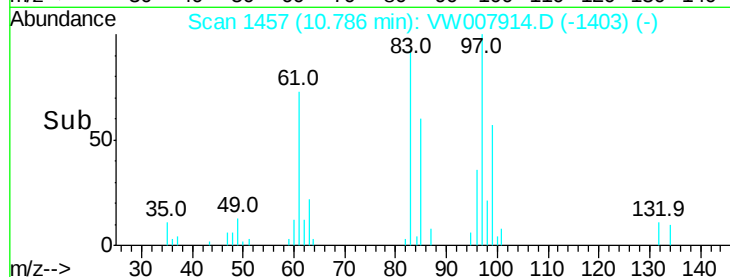
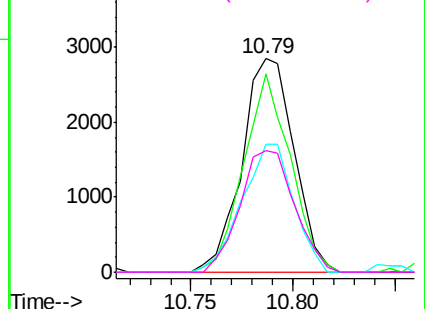


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 4.678 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW007914.D

Acq: 26 Dec 2018 09:16

Tgt Ion: 164 Resp: 6284

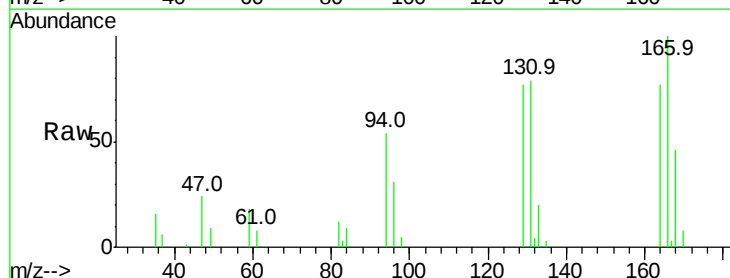
Ion Ratio Lower Upper

164 100

129 100.6 70.6 131.2

131 102.4 66.5 123.5

166 130.0 87.7 162.9

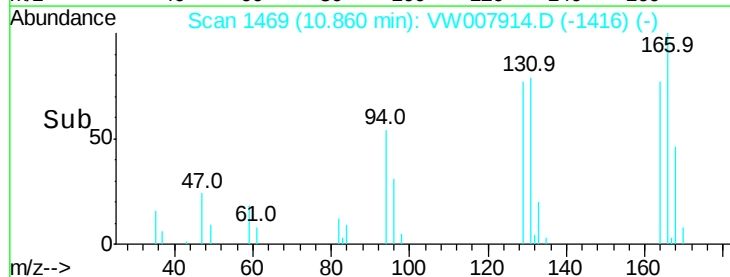
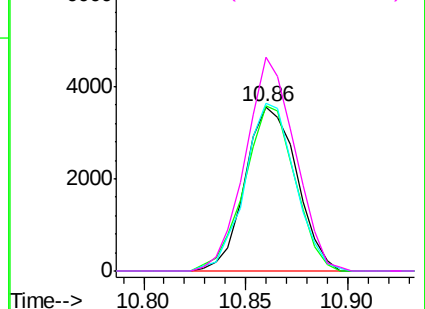


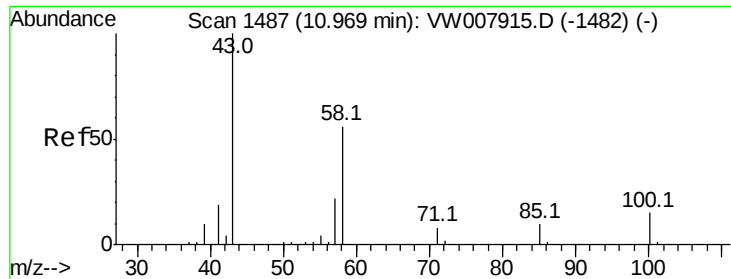
Abundance Ion 164.00 (163.70 to 164.70): V

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: 6.866 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW007914.D

Acq: 26 Dec 2018 09:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD00582

Tgt Ion: 43 Resp: 5794

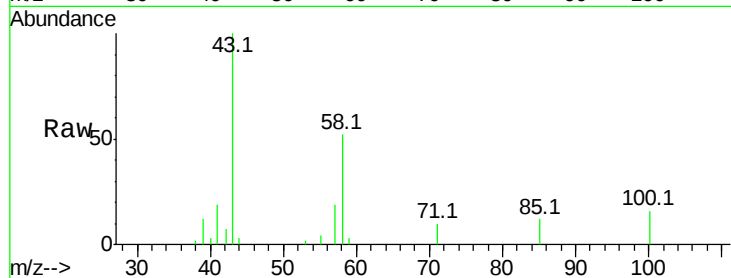
Ion Ratio Lower Upper

43 100

58 55.1 46.2 69.4

57 20.1 17.9 26.9

100 13.8 11.4 17.2

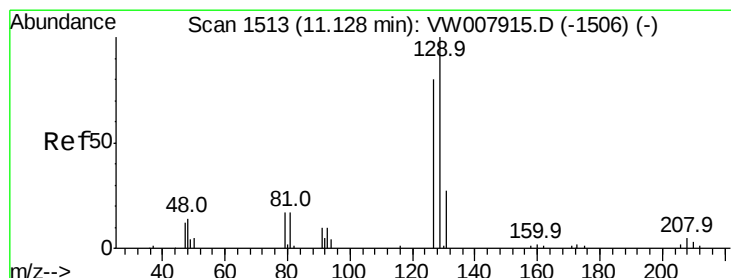
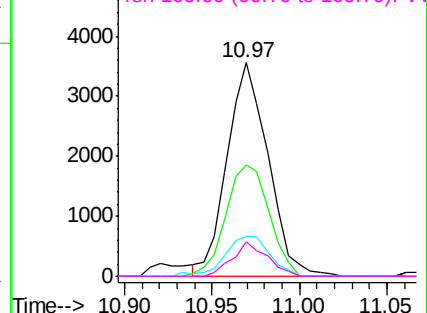
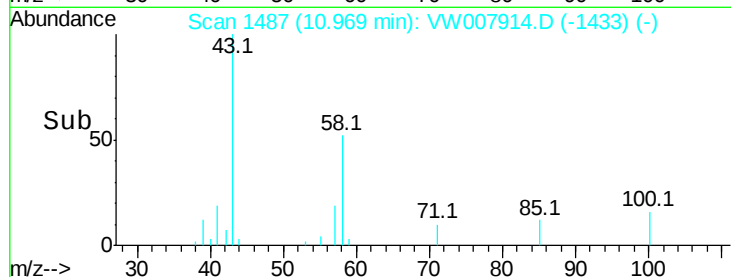


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 4.088 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW007914.D

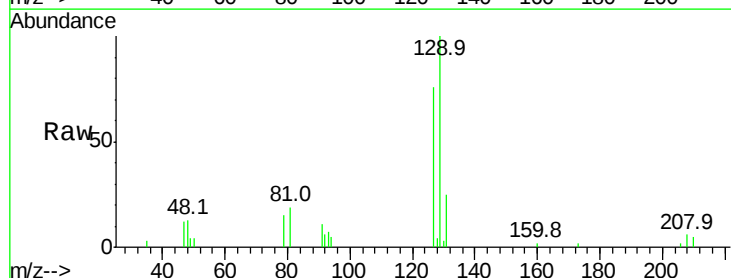
Acq: 26 Dec 2018 09:16

Tgt Ion: 129 Resp: 6273

Ion Ratio Lower Upper

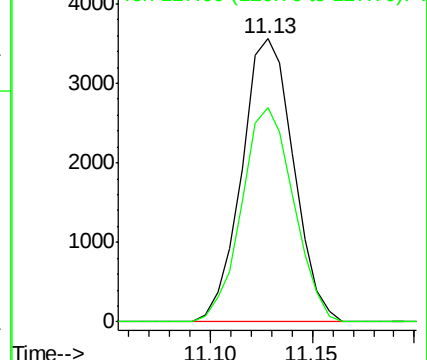
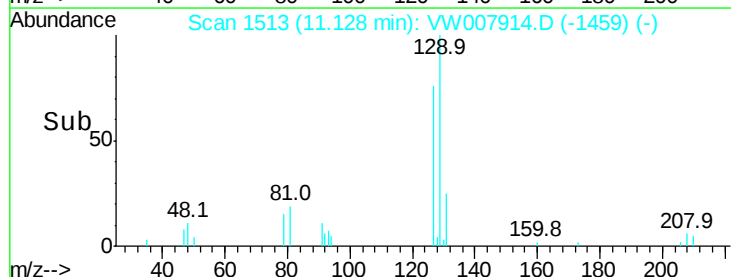
129 100

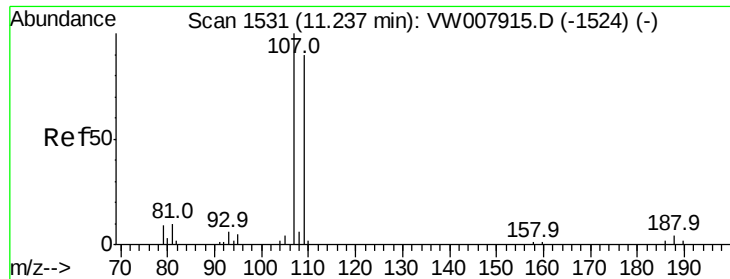
127 75.9 55.8 103.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

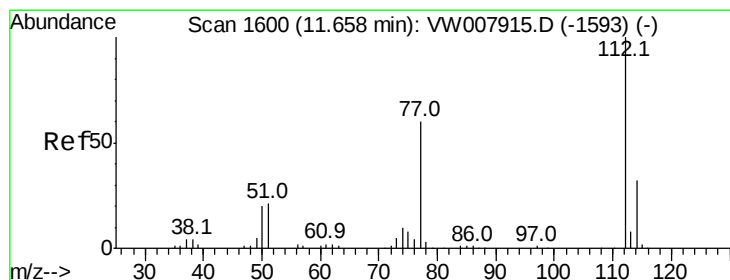
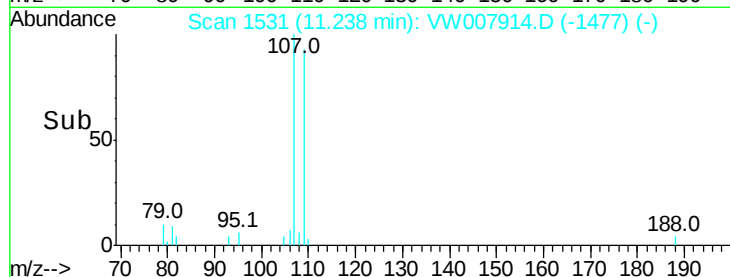
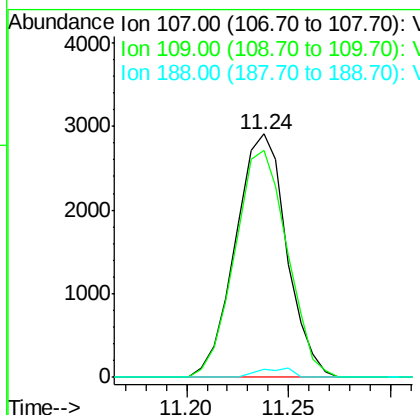
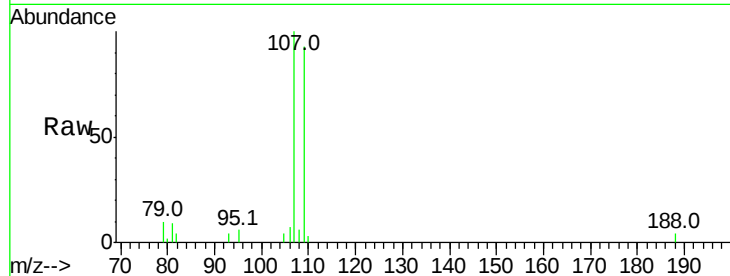




#51
 1,2-Dibromoethane
 Concen: 4.035 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW007914.D
 Acq: 26 Dec 2018 09:16

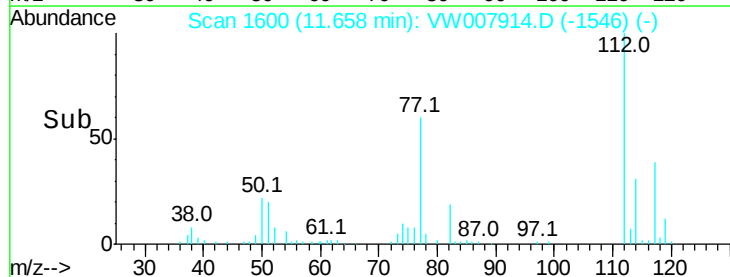
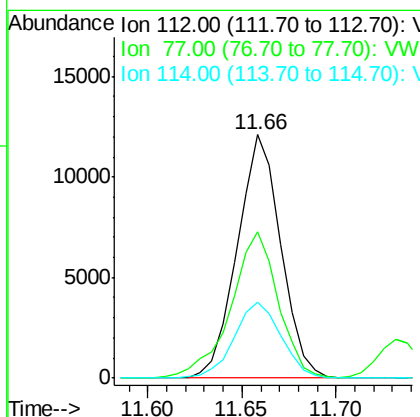
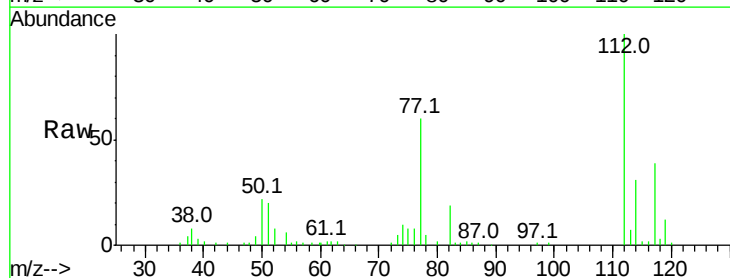
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00582

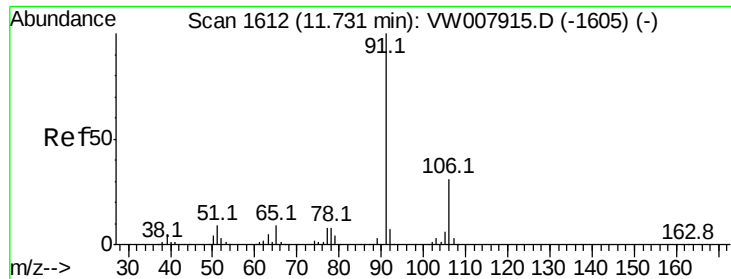
Tgt Ion:107 Resp: 5062
 Ion Ratio Lower Upper
 107 100
 109 93.1 63.2 117.4
 188 3.5 3.1 4.7



#52
 Chlorobenzene
 Concen: 4.465 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW007914.D
 Acq: 26 Dec 2018 09:16

Tgt Ion:112 Resp: 19370
 Ion Ratio Lower Upper
 112 100
 77 60.1 47.8 71.6
 114 31.2 22.2 41.2

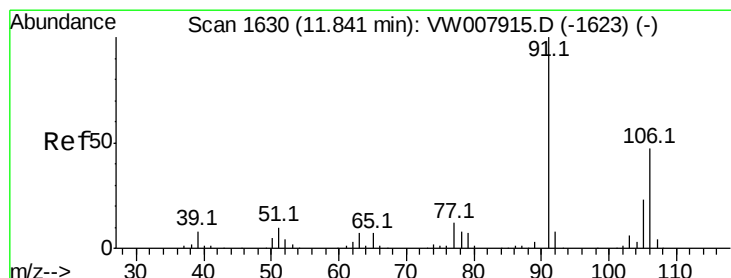
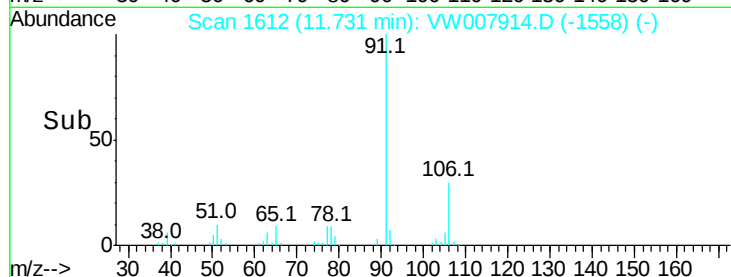
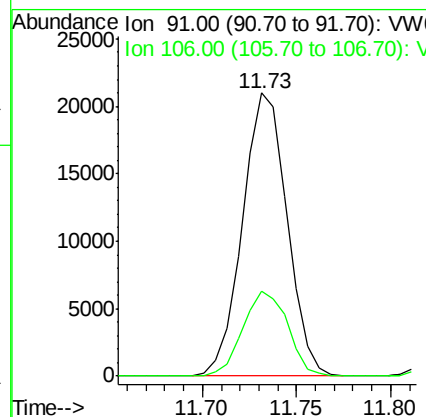
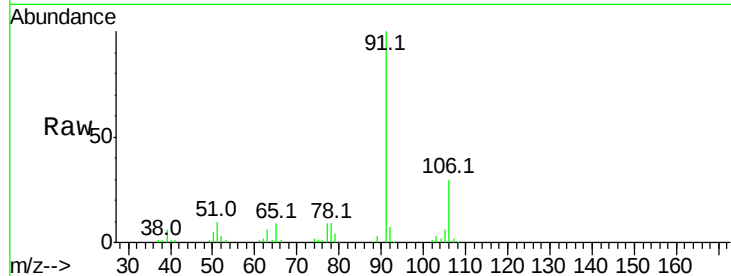




#53
Ethylbenzene
Concen: 4.581 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007914.D
Acq: 26 Dec 2018 09:16

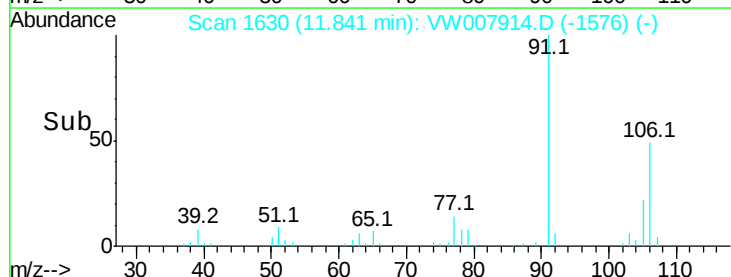
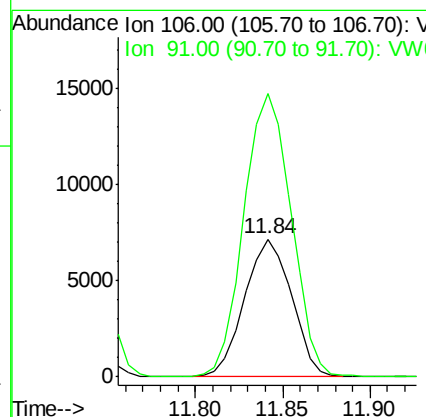
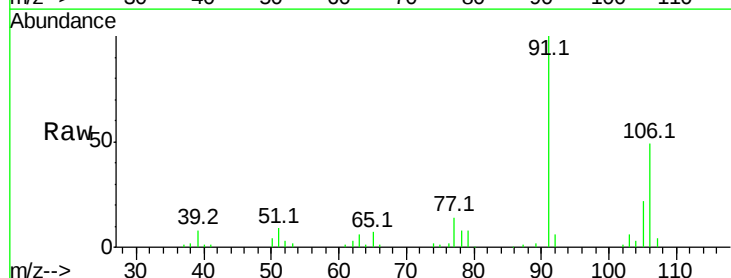
Instrument :
MSVOA_W
ClientSampleId :
VSTD00582

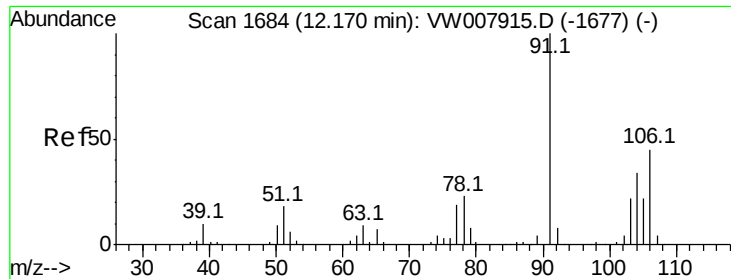
Tgt Ion: 91 Resp: 34430
Ion Ratio Lower Upper
91 100
106 30.1 21.5 39.9



#54
m,p-Xylene
Concen: 4.689 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW007914.D
Acq: 26 Dec 2018 09:16

Tgt Ion: 106 Resp: 13387
Ion Ratio Lower Upper
106 100
91 205.3 147.8 274.4





#55

o-xylene

Concen: 4.525 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW007914.D

Acq: 26 Dec 2018 09:16

Instrument :

MSVOA_W

ClientSampleId :

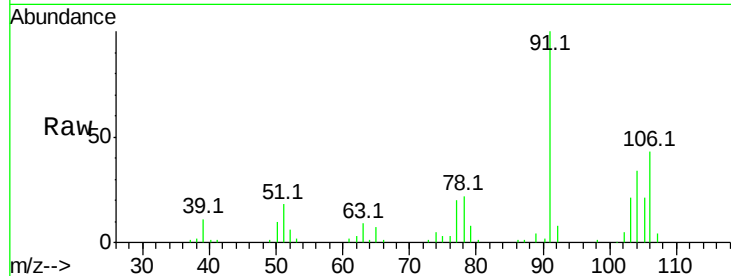
VSTD00582

Tgt Ion:106 Resp: 12210

Ion Ratio Lower Upper

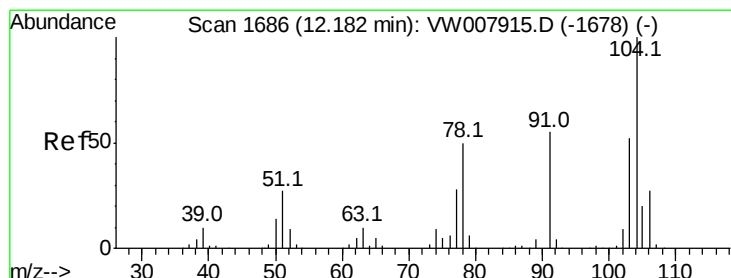
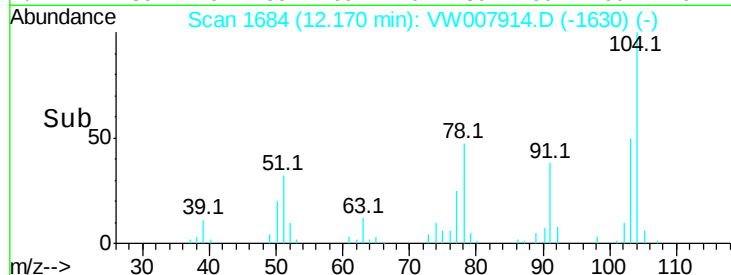
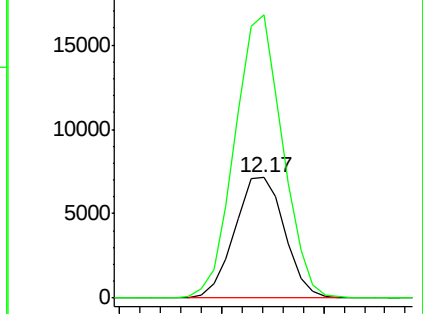
106 100

91 234.7 156.0 289.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 4.369 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW007914.D

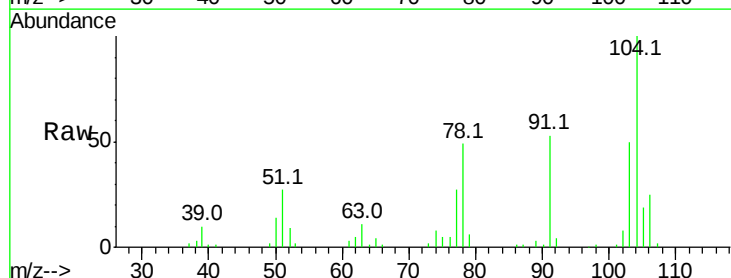
Acq: 26 Dec 2018 09:16

Tgt Ion:104 Resp: 20207

Ion Ratio Lower Upper

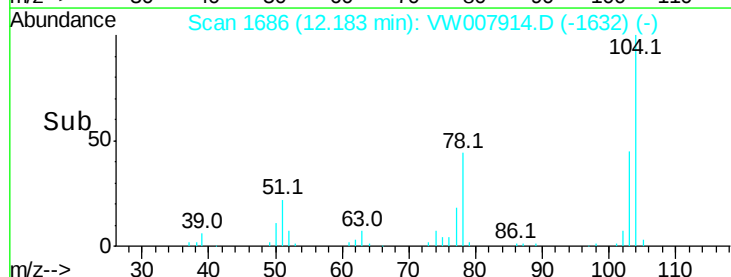
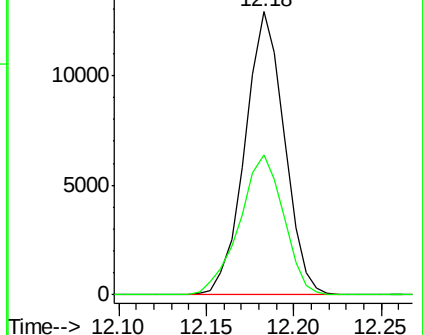
104 100

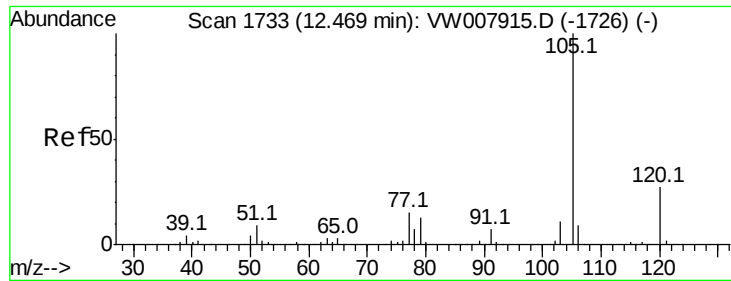
78 49.3 34.6 64.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 4.740 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW007914.D

Acq: 26 Dec 2018 09:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD00582

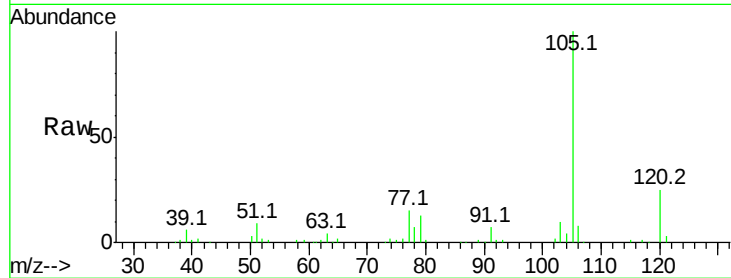
Tgt Ion:105 Resp: 35694

Ion Ratio Lower Upper

105 100

120 24.7 21.1 31.7

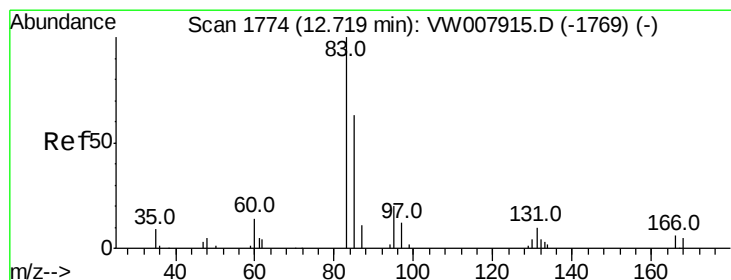
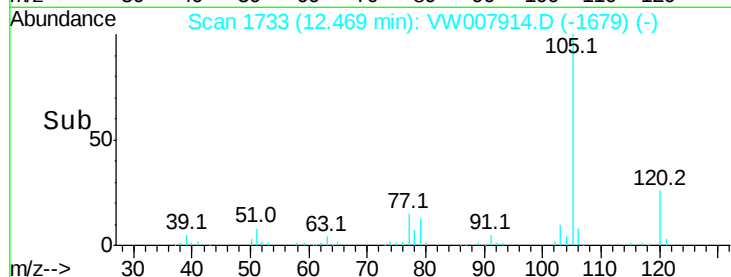
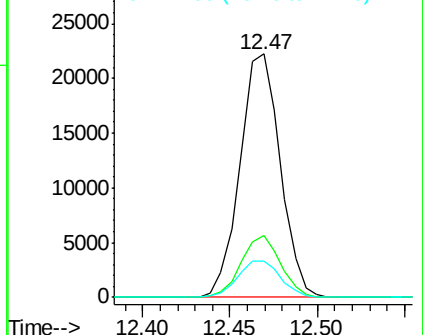
77 15.8 12.4 18.6



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: 3.850 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW007914.D

Acq: 26 Dec 2018 09:16

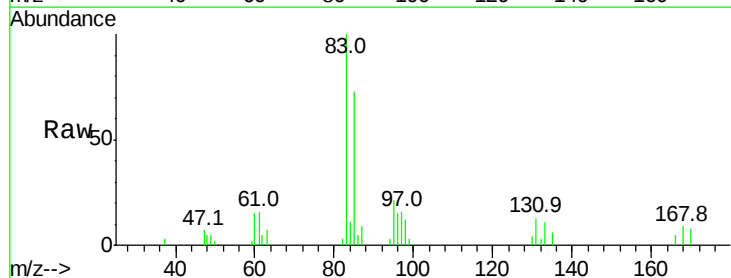
Tgt Ion: 83 Resp: 5962

Ion Ratio Lower Upper

83 100

85 73.3 46.6 86.6

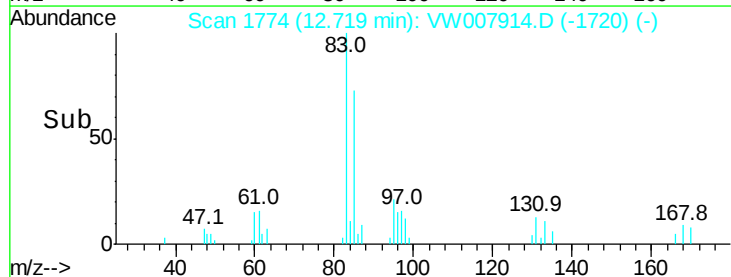
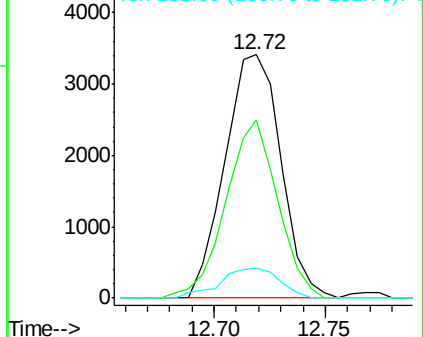
131 12.5 9.7 14.5

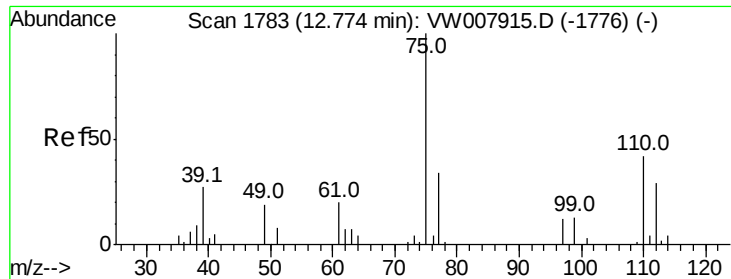


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 4.012 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW007914.D

Acq: 26 Dec 2018 09:16

Instrument :

MSVOA_W

ClientSampleId :

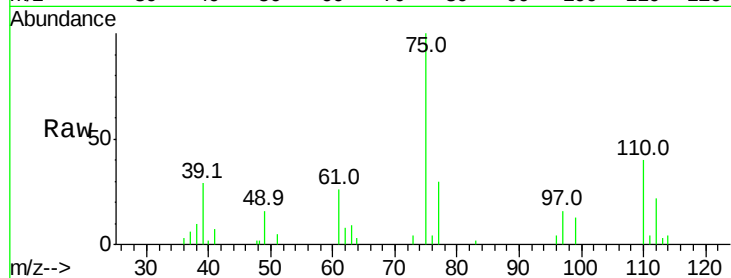
VSTD00582

Tgt Ion: 75 Resp: 4918

Ion Ratio Lower Upper

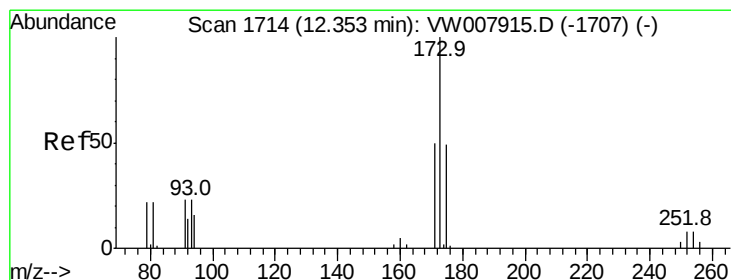
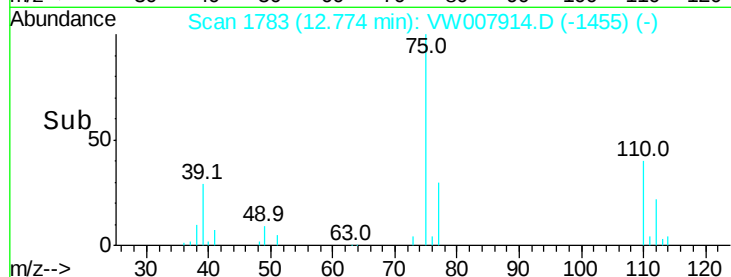
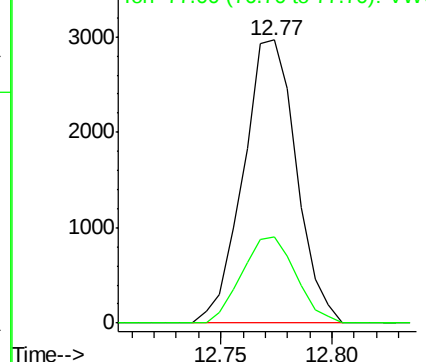
75 100

77 31.1 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#62

Bromoform

Concen: 3.854 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW007914.D

Acq: 26 Dec 2018 09:16

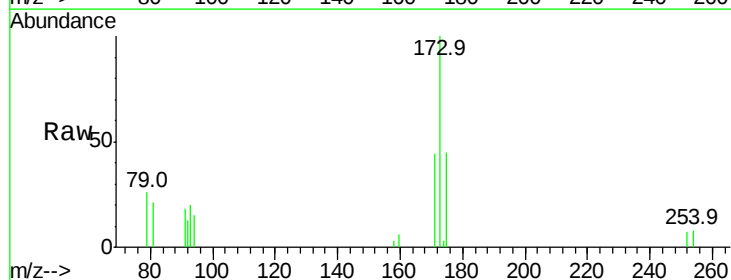
Tgt Ion: 173 Resp: 3525

Ion Ratio Lower Upper

173 100

175 46.4 39.0 58.4

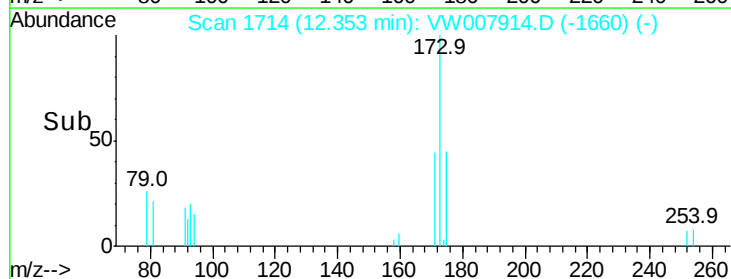
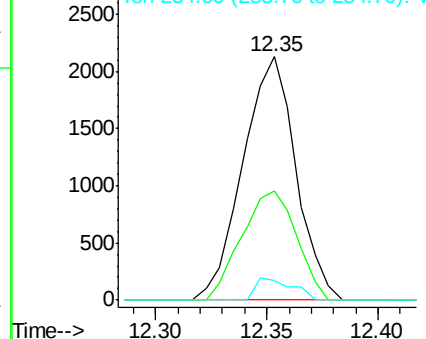
254 6.2 5.8 8.8

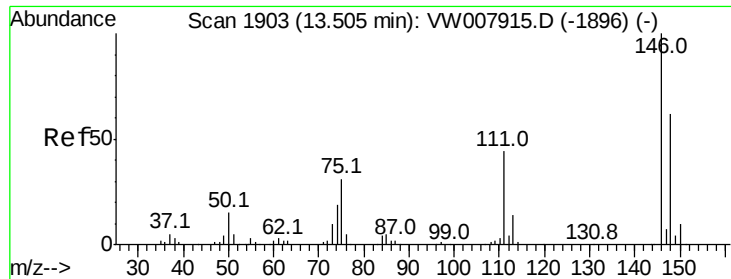


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

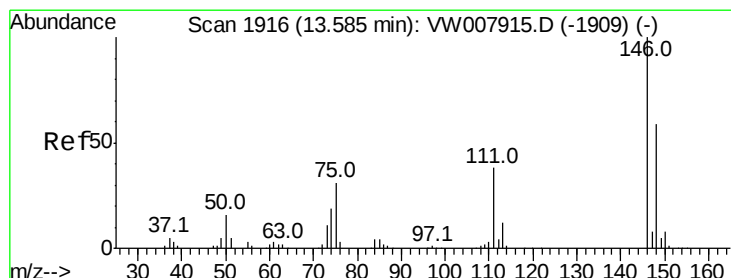
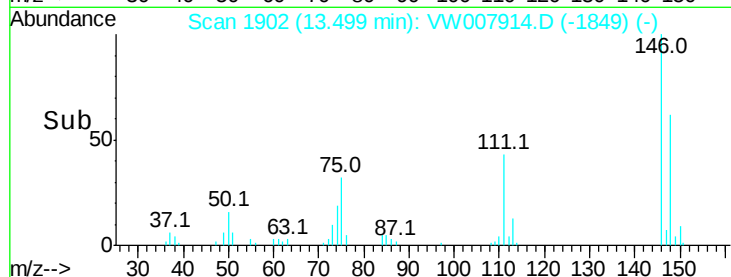
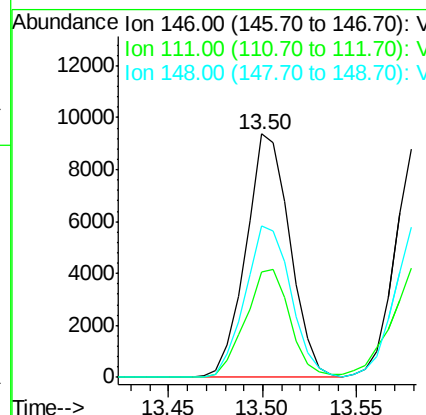
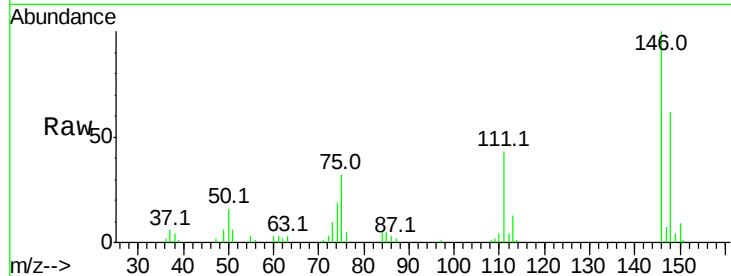




#63
 1,3-Dichlorobenzene
 Concen: 4.423 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW007914.D
 Acq: 26 Dec 2018 09:16

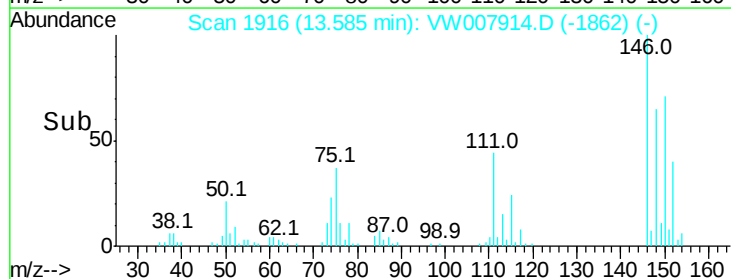
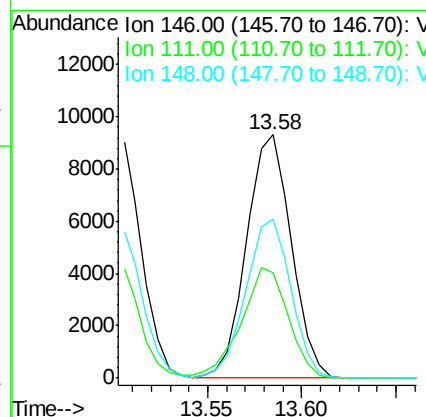
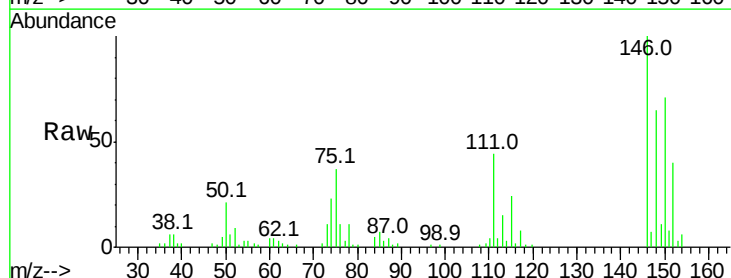
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00582

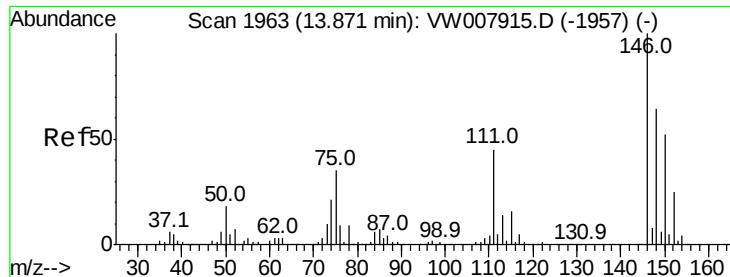
Tgt Ion:146 Resp: 15173
 Ion Ratio Lower Upper
 146 100
 111 43.2 31.0 57.6
 148 62.1 43.6 81.0



#64
 1,4-Dichlorobenzene
 Concen: 4.485 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW007914.D
 Acq: 26 Dec 2018 09:16

Tgt Ion:146 Resp: 15340
 Ion Ratio Lower Upper
 146 100
 111 43.5 26.9 49.9
 148 65.2 41.6 77.3





#65

1,2-Dichlorobenzene

Concen: 4.594 ug/L

RT: 13.88 min Scan# 1964

Delta R.T. 0.01 min

Lab File: VW007914.D

Acq: 26 Dec 2018 09:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD00582

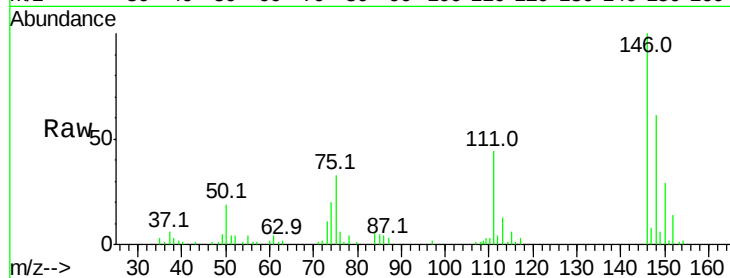
Tgt Ion:146 Resp: 14105

Ion Ratio Lower Upper

146 100

111 44.5 36.4 54.6

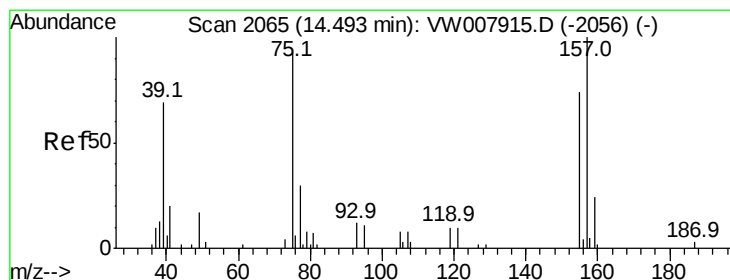
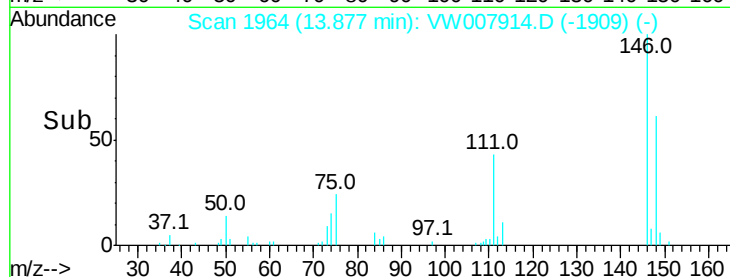
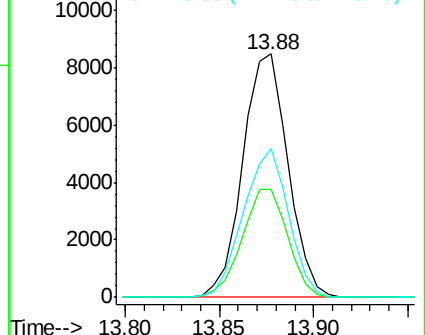
148 61.2 51.0 76.4



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: 3.656 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.01 min

Lab File: VW007914.D

Acq: 26 Dec 2018 09:16

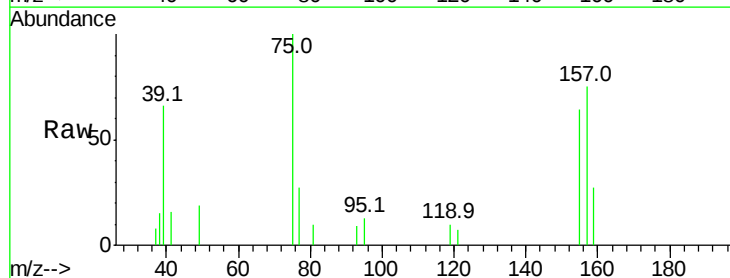
Tgt Ion: 75 Resp: 1189

Ion Ratio Lower Upper

75 100

157 75.2 85.6 128.4#

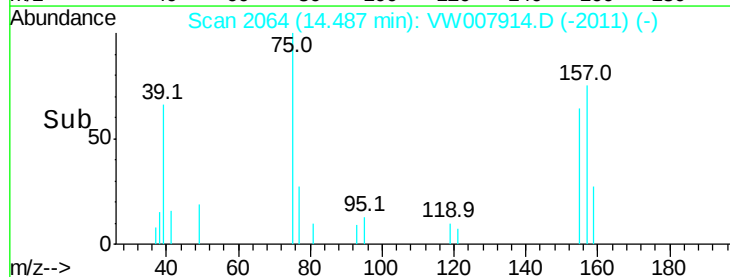
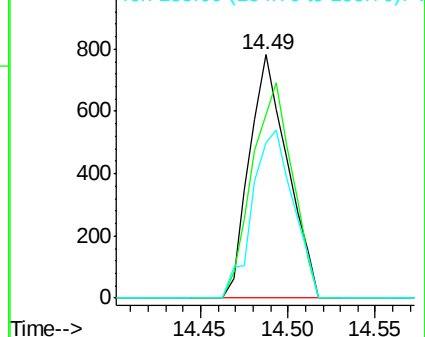
155 63.9 63.4 95.0

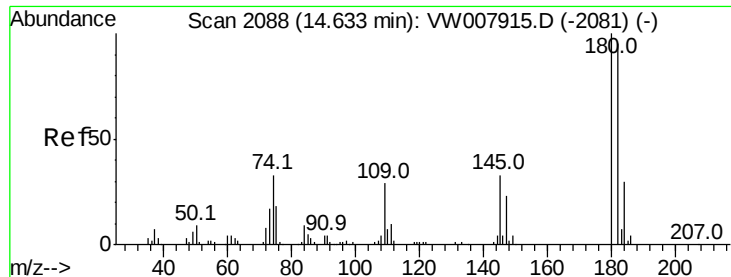


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

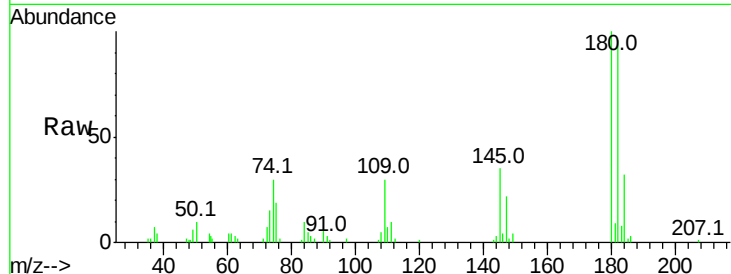




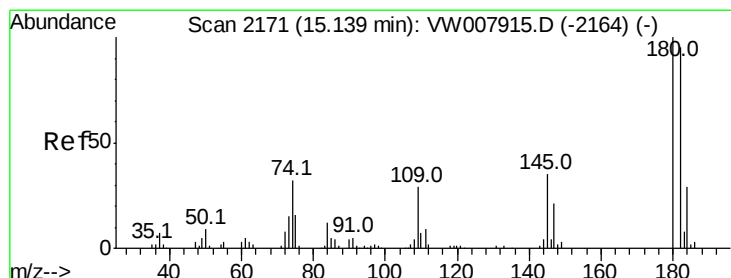
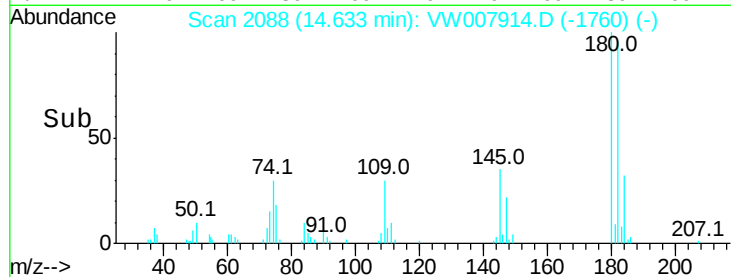
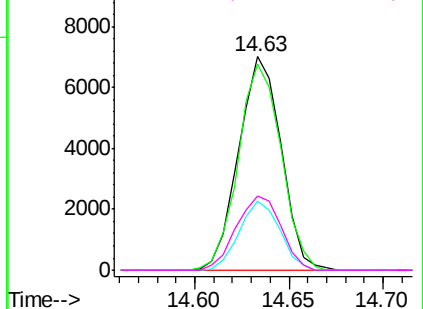
#67
 1,3,5-Trichlorobenzene
 Concen: 4.417 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW007914.D
 Acq: 26 Dec 2018 09:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00582

Tgt Ion:180 Resp: 10978
 Ion Ratio Lower Upper
 180 100
 182 97.4 75.0 112.4
 184 31.2 23.5 35.3
 145 36.4 26.6 39.8

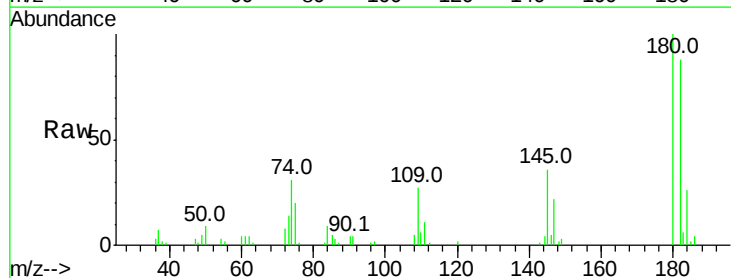


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

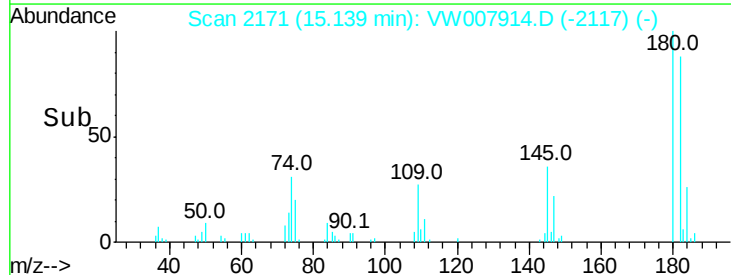
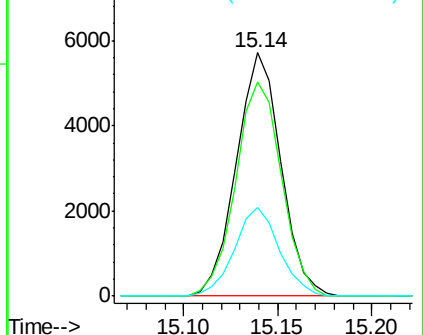


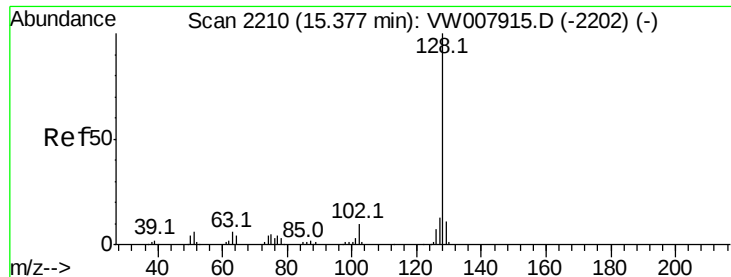
#68
 1,2,4-trichlorobenzene
 Concen: 4.380 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW007914.D
 Acq: 26 Dec 2018 09:16

Tgt Ion:180 Resp: 9385
 Ion Ratio Lower Upper
 180 100
 182 90.4 77.0 115.6
 145 36.4 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: 3.579 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW007914.D

Acq: 26 Dec 2018 09:16

Instrument :

MSVOA_W

ClientSampleId :

VSTD00582

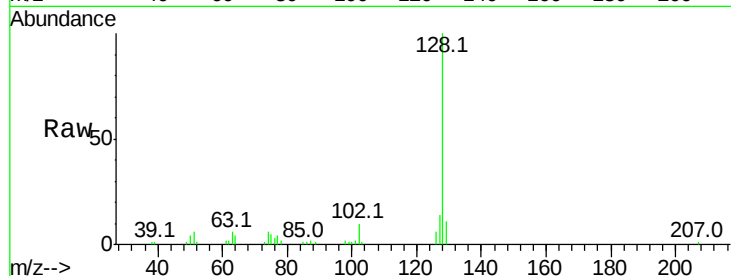
Tgt Ion:128 Resp: 18954

Ion Ratio Lower Upper

128 100

129 10.3 8.8 13.2

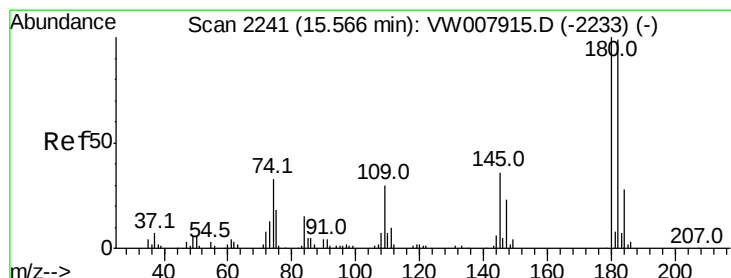
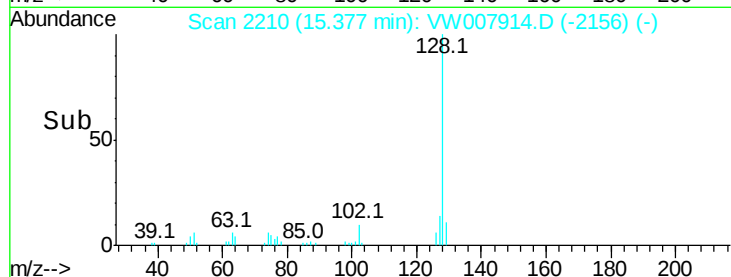
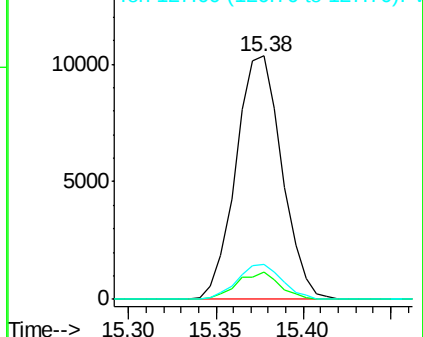
127 14.0 11.1 16.7



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: 4.261 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW007914.D

Acq: 26 Dec 2018 09:16

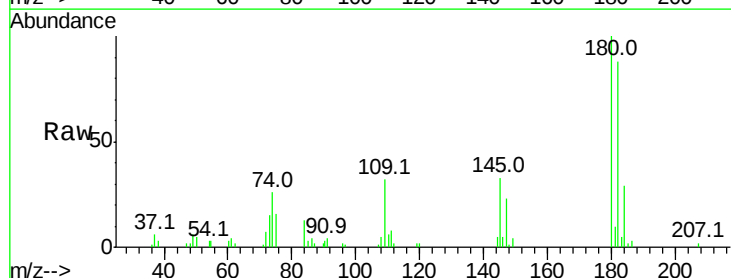
Tgt Ion:180 Resp: 8300

Ion Ratio Lower Upper

180 100

182 93.1 75.8 113.6

145 36.8 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

