

Data File : VW007306.D
Acq On : 07 Dec 2018 13:14
Operator : SY/AP
Sample : VSTD2.592
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.592

Quant Time: Dec 07 15:13:35 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120718S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 07 15:11:04 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	135728	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	113905	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	57265	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	1419	1.23	ug/L	0.00
7) Chloroethane-d5	2.89	69	1631	1.97	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	6768	2.25	ug/L	0.00
20) 2-Butanone-d5	7.09	46	3079	6.58	ug/L	0.00
24) Chloroform-d	7.65	84	7606	2.68	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	4591	2.79	ug/L	0.00
29) Benzene-d6	8.27	84	14897	2.75	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	4322	2.79	ug/L	0.00
37) Toluene-d8	10.32	98	13813	2.41	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	2126	2.80	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	2182	6.00	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	4072	2.88	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	5006	2.33	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	3222	1.299 ug/L	95
3) Chloromethane	2.21	50	3041	1.755 ug/L	96
5) Vinyl chloride	2.36	62	1211	0.781 ug/L	88
6) Bromomethane	2.78	94	1915	2.152 ug/L	97
8) Chloroethane	2.93	64	1673	2.002 ug/L #	78
9) Trichlorofluoromethane	3.26	101	2868	0.987 ug/L	95
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	2793	1.629 ug/L #	30
12) 1,1-Dichloroethene	4.04	96	3801	2.516 ug/L	78
13) Acetone	4.12	43	5340	16.300 ug/L	64
14) Carbon disulfide	4.37	76	10121	1.893 ug/L	100
15) Methyl Acetate	4.67	43	1186	1.460 ug/L #	90
16) Methylene chloride	4.91	84	7827	3.607 ug/L	80
17) Methyl tert-butyl Ether	5.42	73	6532	1.682 ug/L #	78
18) trans-1,2-Dichloroethene	5.41	96	4259	2.549 ug/L	95
19) 1,1-Dichloroethane	6.21	63	7264	2.629 ug/L	92
21) 2-Butanone	7.18	43	4393	8.735 ug/L	96
22) cis-1,2-Dichloroethene	7.17	96	4642	2.599 ug/L	92
23) Bromochloromethane	7.50	128	895	1.151 ug/L	84
25) Chloroform	7.67	83	7776	2.594 ug/L	94
27) 1,2-Dichloroethane	8.40	62	5813	2.923 ug/L	100
30) Cyclohexane	7.95	56	7040	2.836 ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	6890	2.921 ug/L	97
32) Carbon tetrachloride	8.06	117	6544	3.057 ug/L	98
34) Benzene	8.32	78	16293	2.760 ug/L	100
35) Trichloroethene	9.09	95	4814	3.008 ug/L	98
36) Methylcyclohexane	9.34	83	8394	2.825 ug/L	99
40) 1,2-Dichloropropane	9.37	63	4205	2.970 ug/L #	95
41) Bromodichloromethane	9.65	83	5921	3.194 ug/L	87
42) cis-1,3-Dichloropropene	10.07	75	6481	2.882 ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	6944	6.628 ug/L	98

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Quant Title : VOC Analysis
QLast Update : Fri Dec 07 15:11:04 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	17856	2.525	ug/L	83
45) trans-1,3-Dichloropropene	10.61	75	5594	2.831	ug/L	92
46) 1,1,2-Trichloroethane	10.79	97	3587	3.217	ug/L	87
47) Tetrachloroethene	10.87	164	3728	2.667	ug/L	93
49) 2-Hexanone	10.97	43	4997	7.046	ug/L #	92
50) Dibromochloromethane	11.13	129	4154	3.059	ug/L	92
51) 1,2-Dibromoethane	11.24	107	3439	3.044	ug/L	99
52) Chlorobenzene	11.66	112	11625	2.493	ug/L	91
53) Ethylbenzene	11.73	91	20528	2.504	ug/L	91
54) m,p-Xylene	11.84	106	7776	2.430	ug/L	99
55) o-xylene	12.17	106	7387	2.490	ug/L	98
56) Styrene	12.18	104	12604	2.512	ug/L	100
57) Isopropylbenzene	12.47	105	20021	2.427	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	4465	3.151	ug/L	89
59) 1,2,3-Trichloropropane	12.77	75	3577	3.230	ug/L	91
62) Bromoform	12.35	173	2448	3.122	ug/L	94
63) 1,3-Dichlorobenzene	13.51	146	9199	2.441	ug/L	94
64) 1,4-Dichlorobenzene	13.58	146	9209	2.430	ug/L	88
65) 1,2-Dichlorobenzene	13.87	146	8386	2.432	ug/L #	87
66) 1,2-Dibromo-3-chloropropan	14.63	75	1226	4.384	ug/L #	2
67) 1,3,5-Trichlorobenzene	14.63	180	6825	2.412	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	6039	2.510	ug/L	94
69) Naphthalene	15.38	128	15175	2.962	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	5552	2.645	ug/L	94

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

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Instrument :
MSVOA_W
ClientSampleId :
VSTD2.592

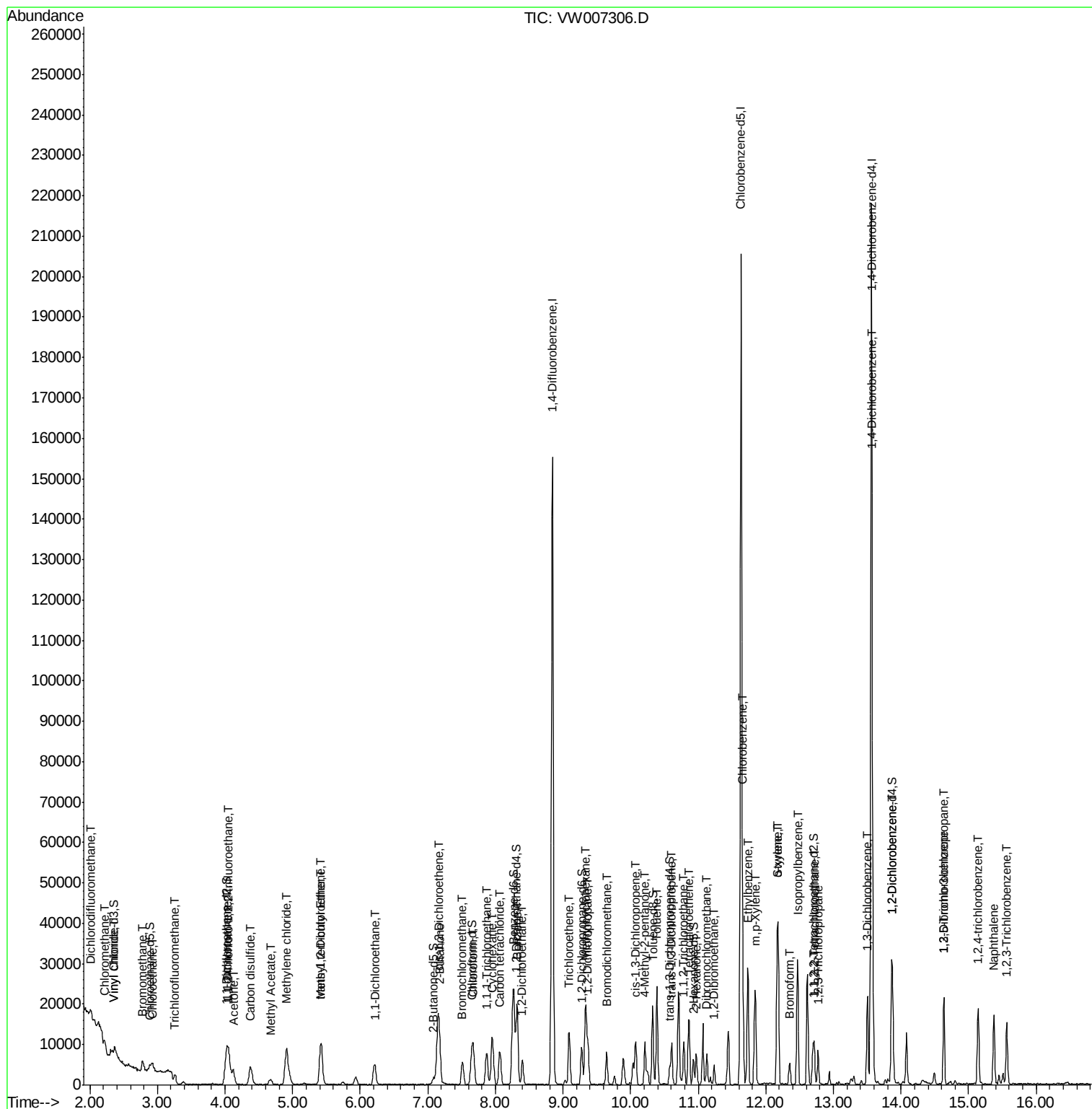
Quant Time: Dec 07 15:13:35 2018

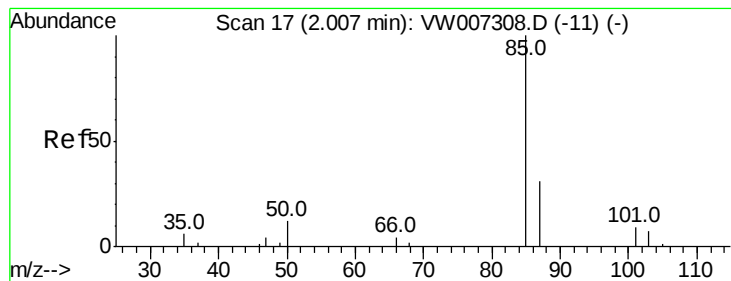
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM120718S.M

Quant Title : VOC Analysis

QLast Update : Fri Dec 07 15:11:04 2018

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 1.299 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.00 min

Lab File: VW007306.D

Acq: 07 Dec 2018 13:14

Instrument :

MSVOA_W

ClientSampleId :

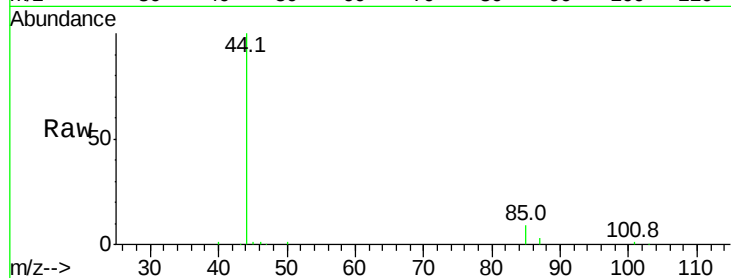
VSTD2.592

Tgt Ion: 85 Resp: 3222

Ion Ratio Lower Upper

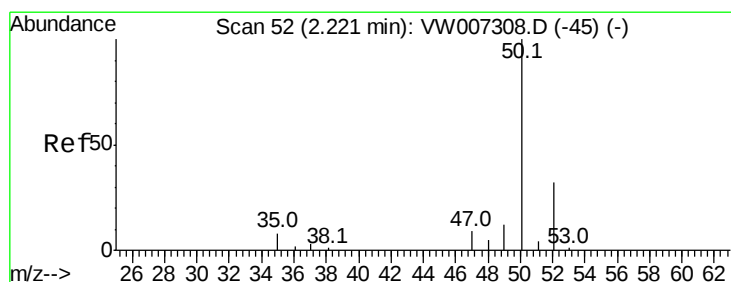
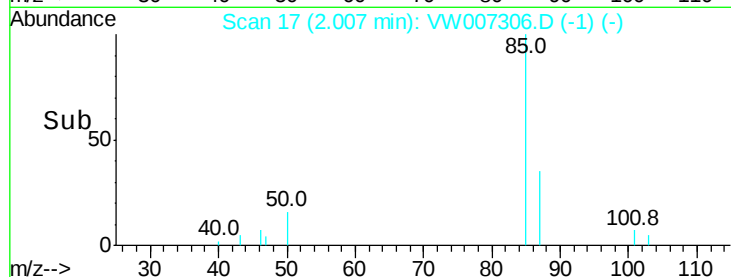
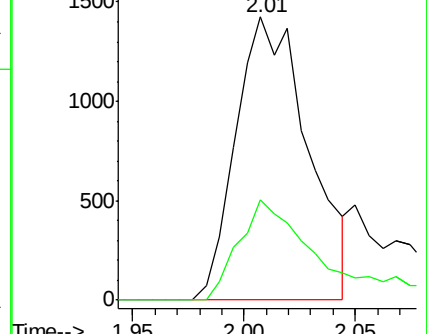
85 100

87 36.1 23.2 43.0



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 1.755 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007306.D

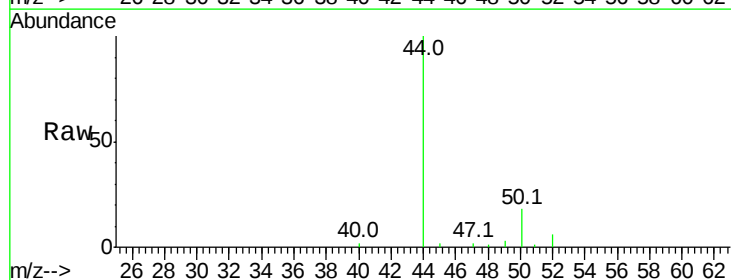
Acq: 07 Dec 2018 13:14

Tgt Ion: 50 Resp: 3041

Ion Ratio Lower Upper

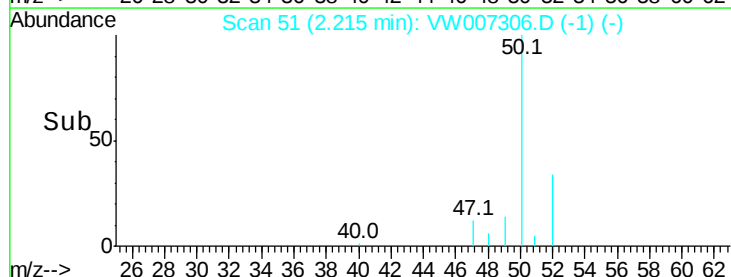
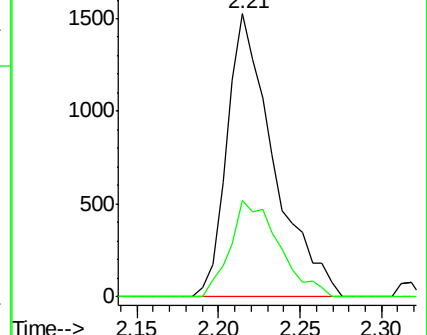
50 100

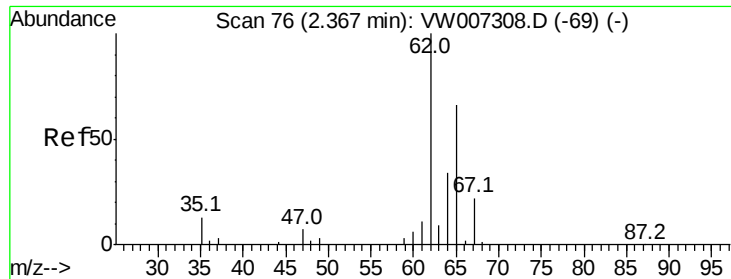
52 34.1 22.2 41.2



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 0.781 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW007306.D

Acq: 07 Dec 2018 13:14

Instrument :

MSVOA_W

ClientSampleId :

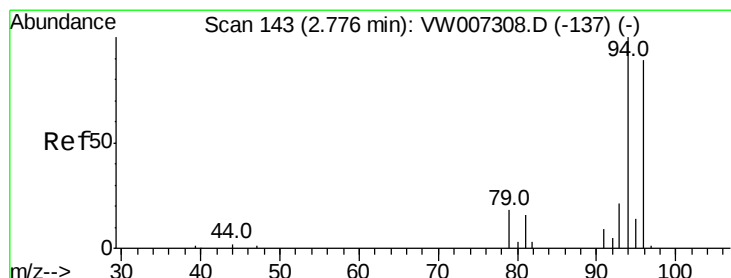
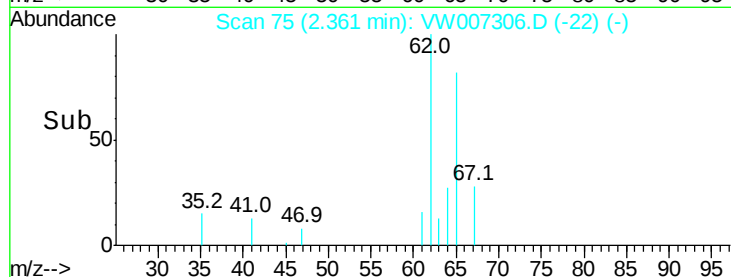
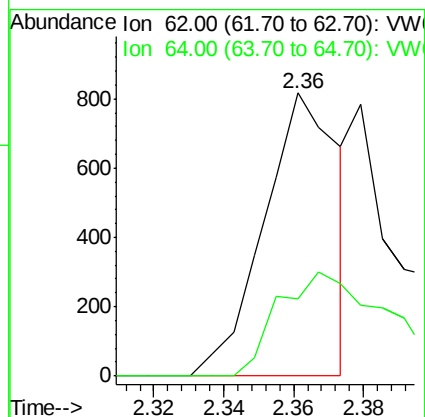
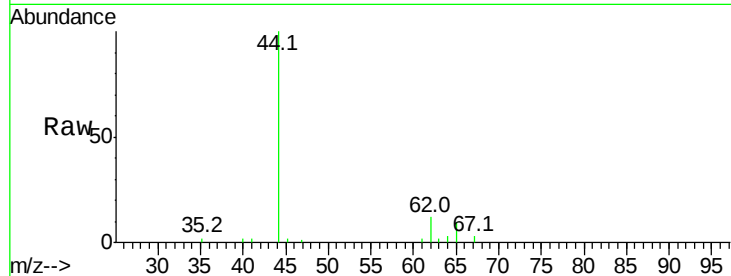
VSTD2.592

Tgt Ion: 62 Resp: 1211

Ion Ratio Lower Upper

62 100

64 27.2 23.9 44.3



#6

Bromomethane

Concen: 2.152 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW007306.D

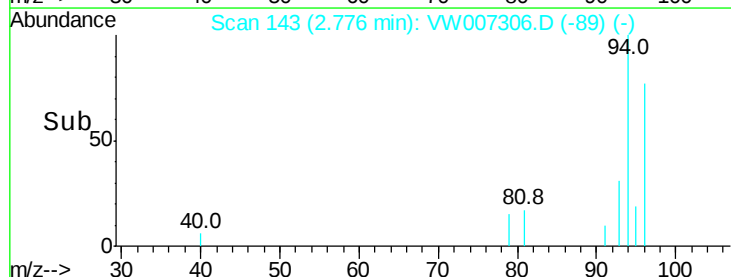
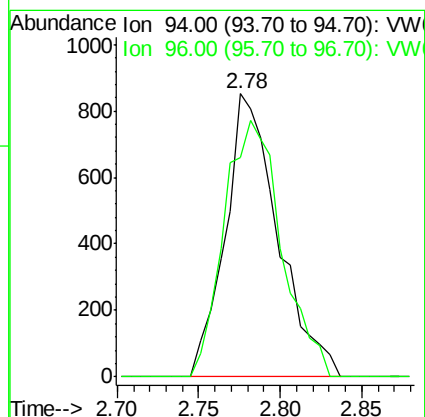
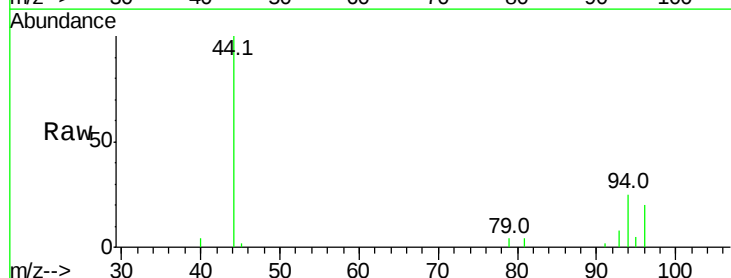
Acq: 07 Dec 2018 13:14

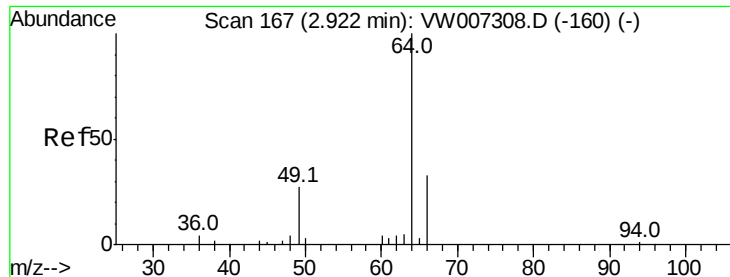
Tgt Ion: 94 Resp: 1915

Ion Ratio Lower Upper

94 100

96 98.9 9.6 181.8





#8

Chloroethane

Concen: 2.002 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW007306.D

Acq: 07 Dec 2018 13:14

Instrument :

MSVOA_W

ClientSampleId :

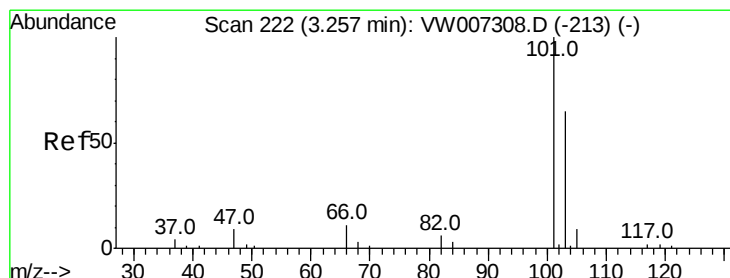
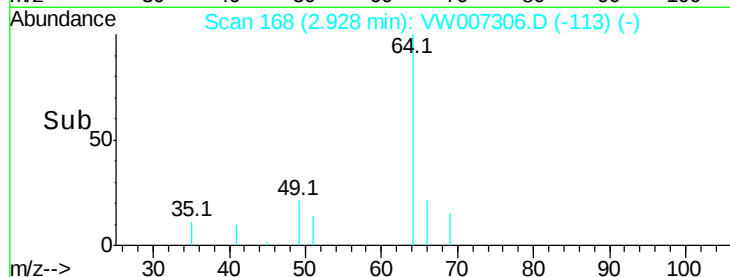
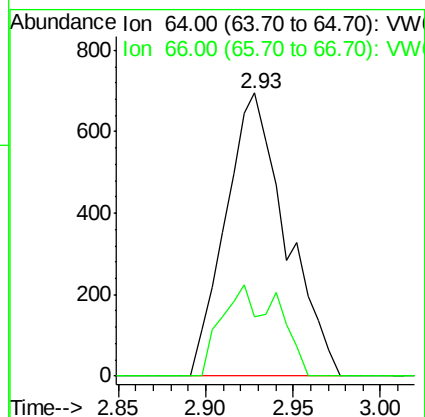
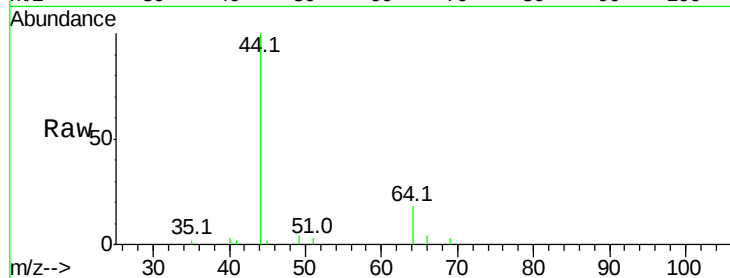
VSTD2.592

Tgt Ion: 64 Resp: 1673

Ion Ratio Lower Upper

64 100

66 20.9 23.2 43.2#



#9

Trichlorofluoromethane

Concen: 0.987 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW007306.D

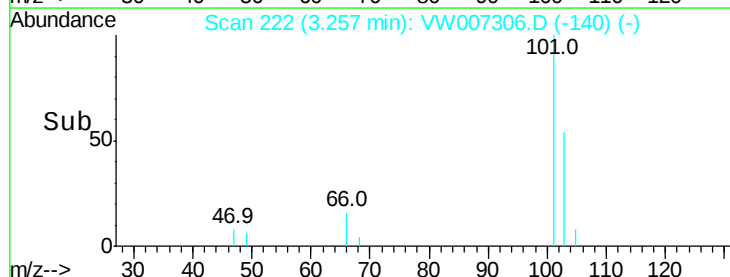
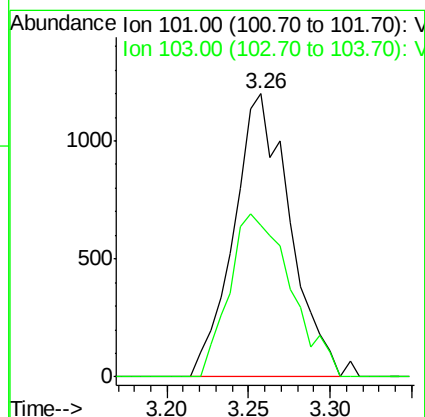
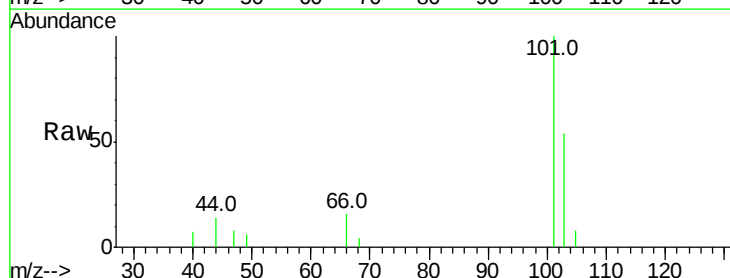
Acq: 07 Dec 2018 13:14

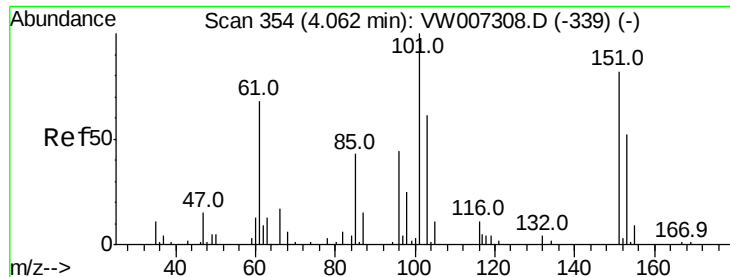
Tgt Ion: 101 Resp: 2868

Ion Ratio Lower Upper

101 100

103 59.6 44.7 82.9





#11

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

Concen: 1.629 ug/L

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW007306.D

Acq: 07 Dec 2018 13:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.592

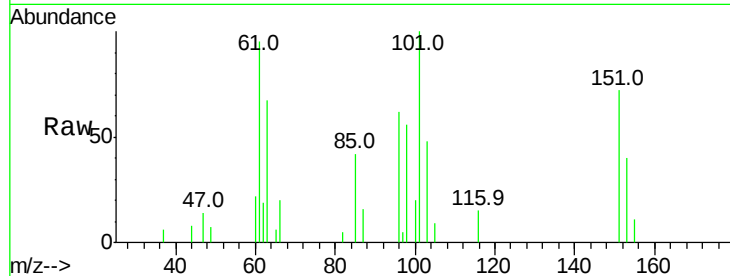
Tgt Ion:101 Resp: 2793

Ion Ratio Lower Upper

101 100

85 24.2 35.4 53.2#

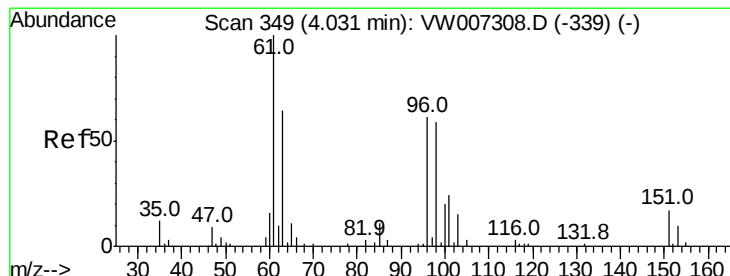
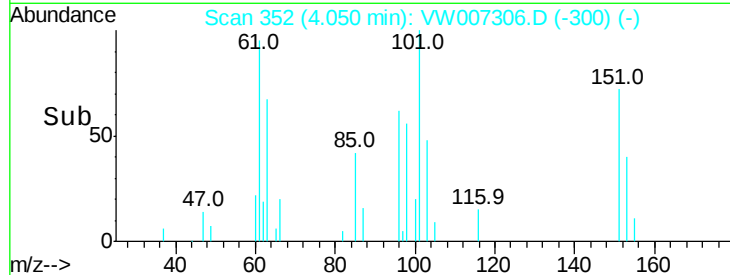
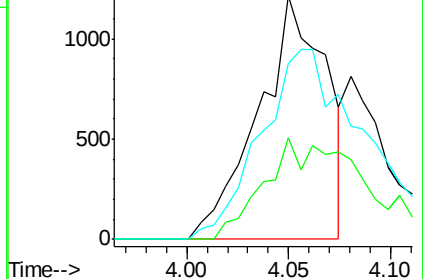
151 0.0 64.8 97.2#



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: 2.516 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW007306.D

Acq: 07 Dec 2018 13:14

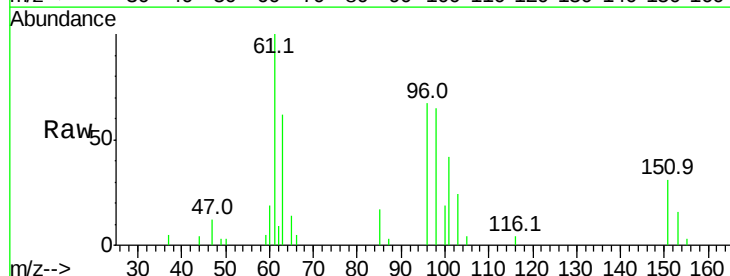
Tgt Ion: 96 Resp: 3801

Ion Ratio Lower Upper

96 100

61 148.5 117.2 217.8

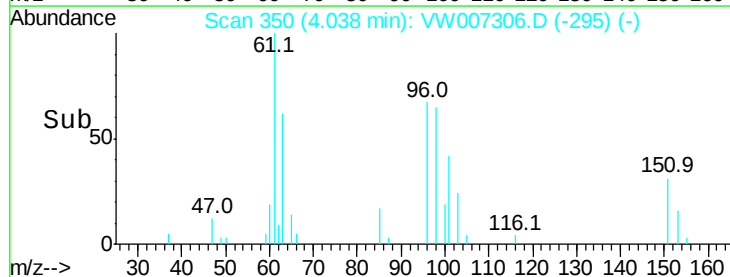
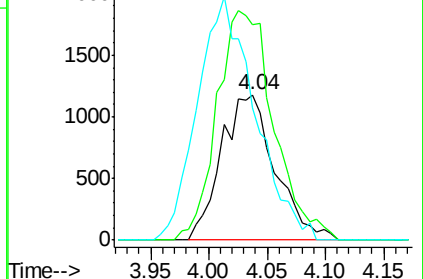
63 91.4 89.7 166.7

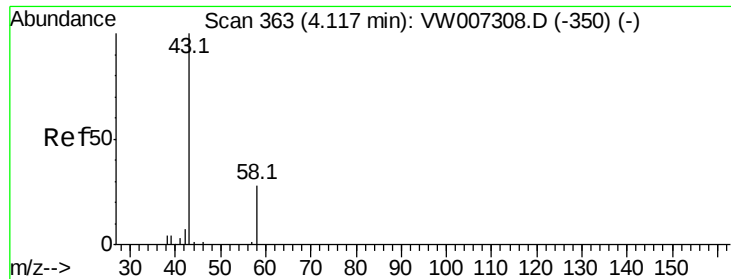


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 16.300 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

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Acq: 07 Dec 2018 13:14

Instrument :

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ClientSampleId :

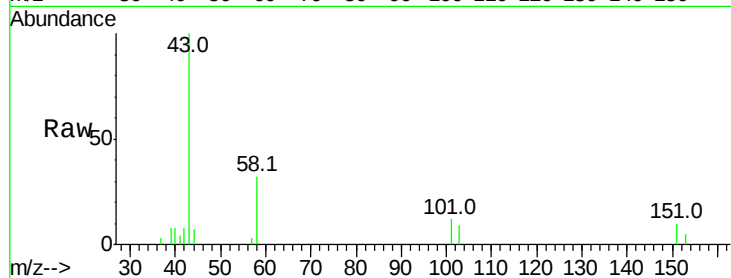
VSTD2.592

Tgt Ion: 43 Resp: 5340

Ion Ratio Lower Upper

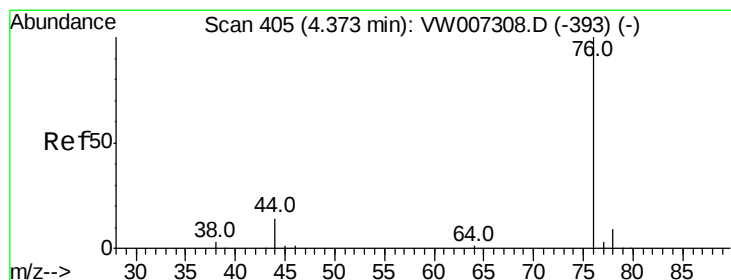
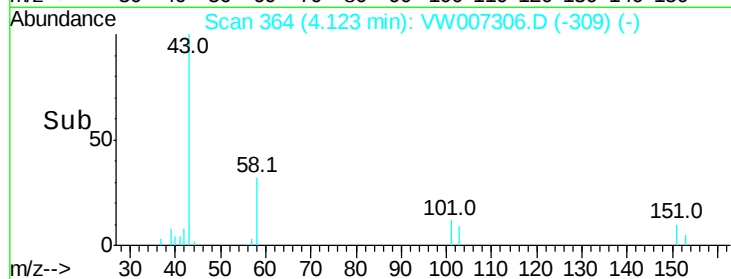
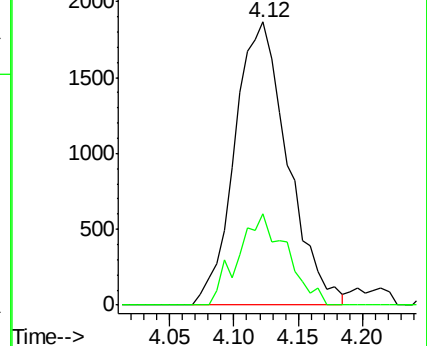
43 100

58 10.3 0.0 59.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 1.893 ug/L

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW007306.D

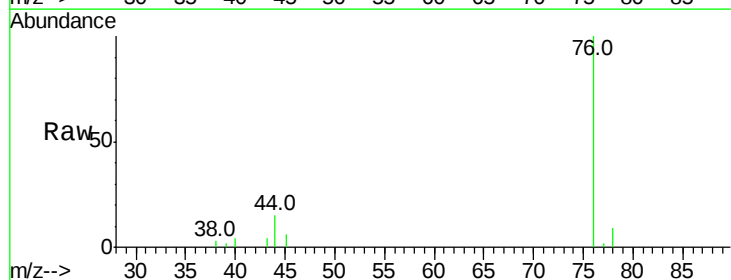
Acq: 07 Dec 2018 13:14

Tgt Ion: 76 Resp: 10121

Ion Ratio Lower Upper

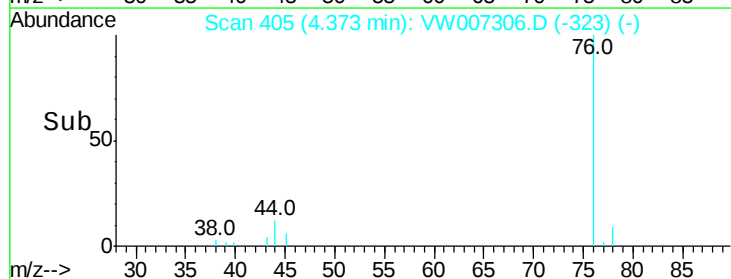
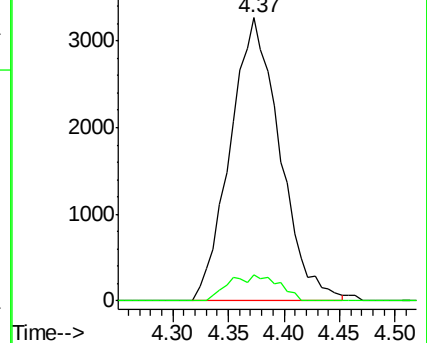
76 100

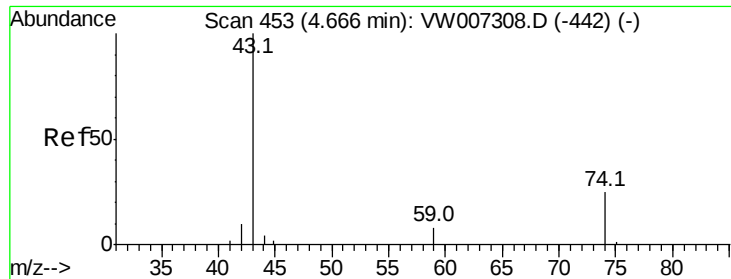
78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

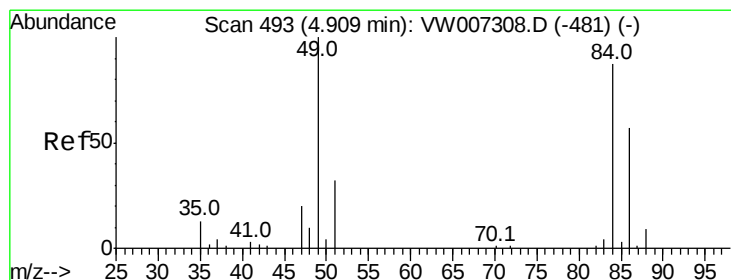
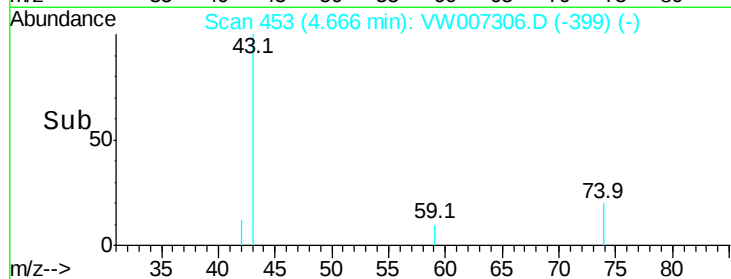
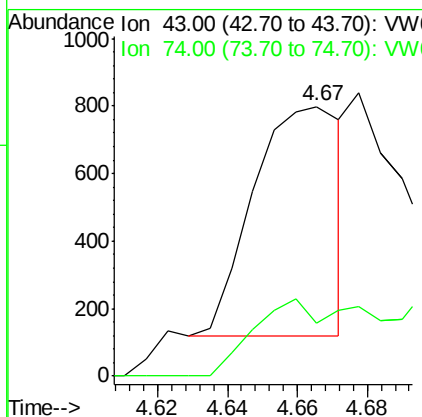
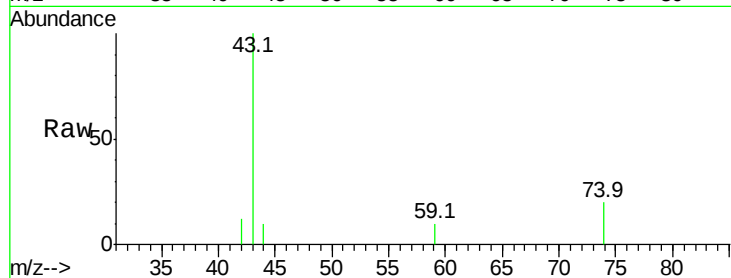




#15
Methyl Acetate
Concen: 1.460 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW007306.D
Acq: 07 Dec 2018 13:14

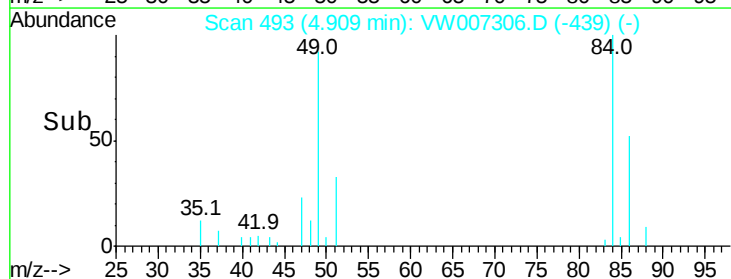
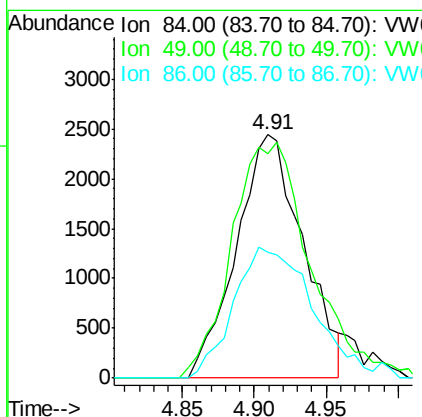
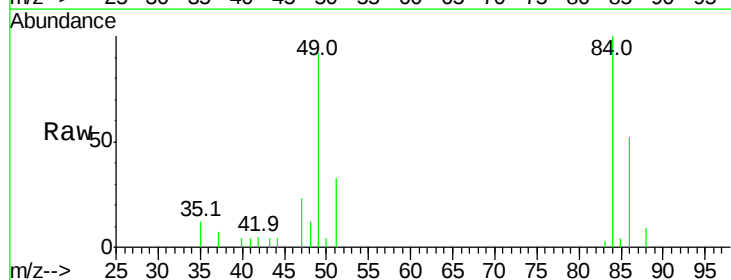
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.592

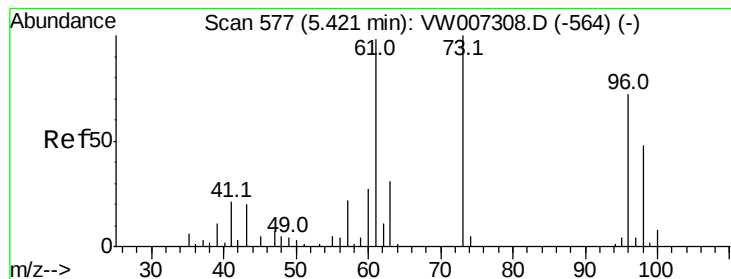
Tgt Ion: 43 Resp: 1186
Ion Ratio Lower Upper
43 100
74 24.4 0.1 0.1#



#16
Methylene chloride
Concen: 3.607 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.00 min
Lab File: VW007306.D
Acq: 07 Dec 2018 13:14

Tgt Ion: 84 Resp: 7827
Ion Ratio Lower Upper
84 100
49 92.2 80.8 150.2
86 51.9 45.8 85.2





#17

Methyl tert-butyl Ether

Concen: 1.682 ug/L

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW007306.D

Acq: 07 Dec 2018 13:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.592

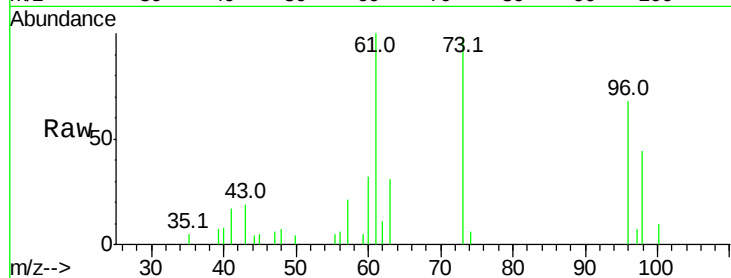
Tgt Ion: 73 Resp: 6532

Ion Ratio Lower Upper

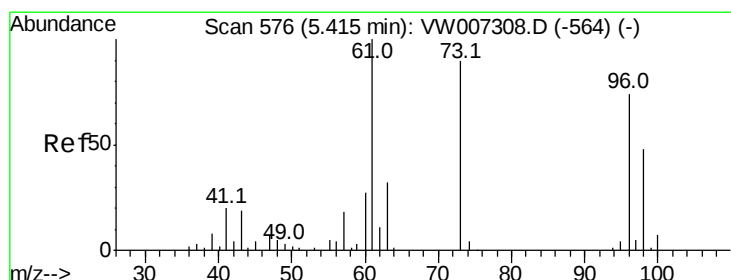
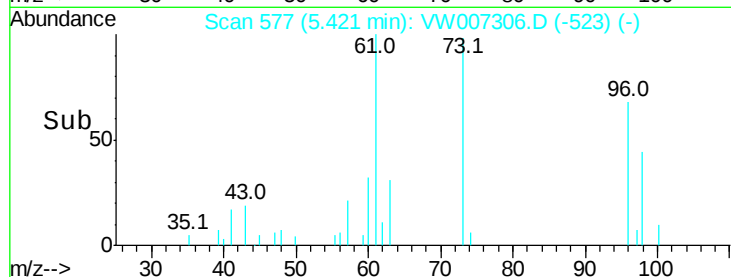
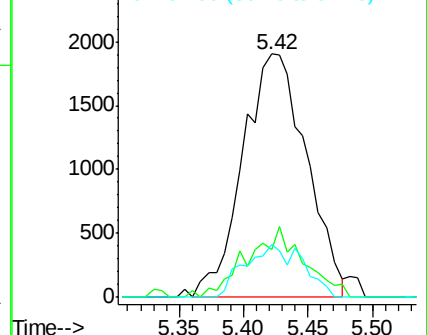
73 100

43 13.0 17.3 25.9#

57 9.3 17.0 25.6#



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: 2.549 ug/L

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW007306.D

Acq: 07 Dec 2018 13:14

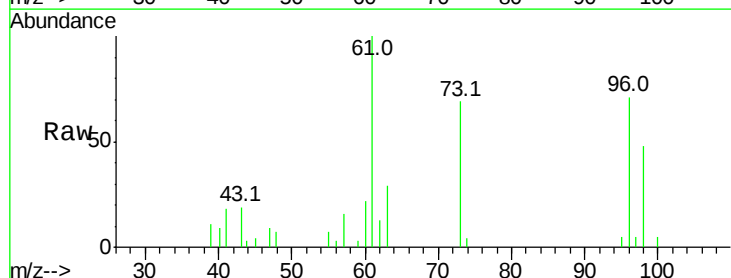
Tgt Ion: 96 Resp: 4259

Ion Ratio Lower Upper

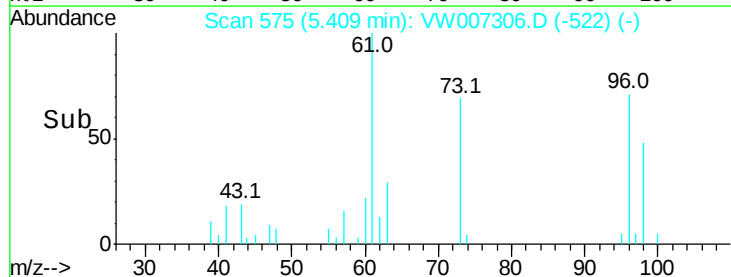
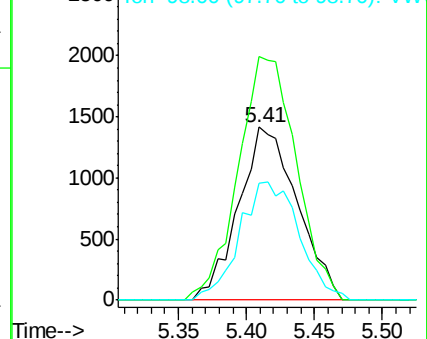
96 100

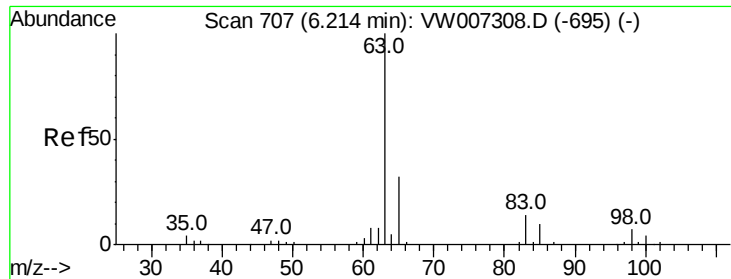
61 140.8 94.6 175.8

98 67.7 45.1 83.7



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

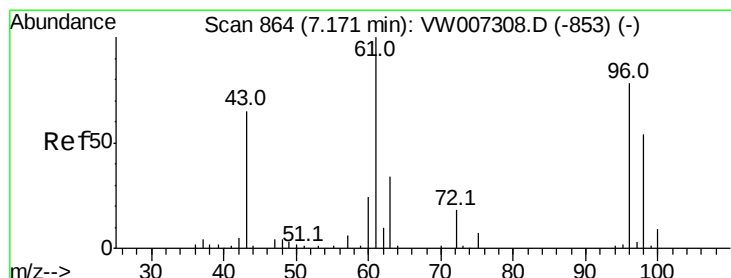
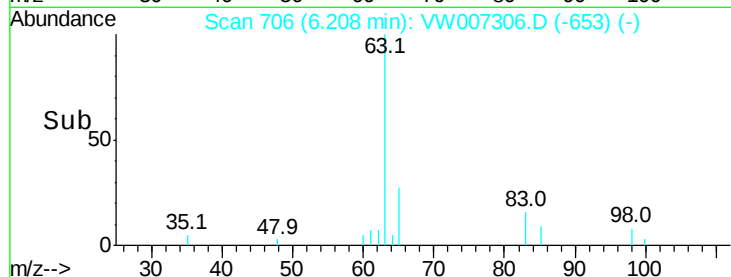
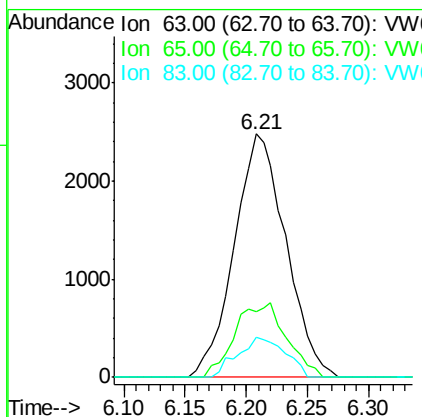
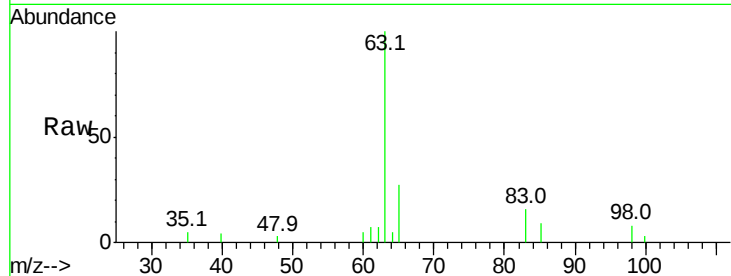




#19
 1,1-Dichloroethane
 Concen: 2.629 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW007306.D
 Acq: 07 Dec 2018 13:14

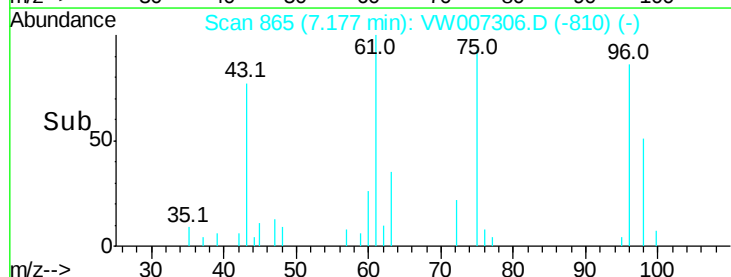
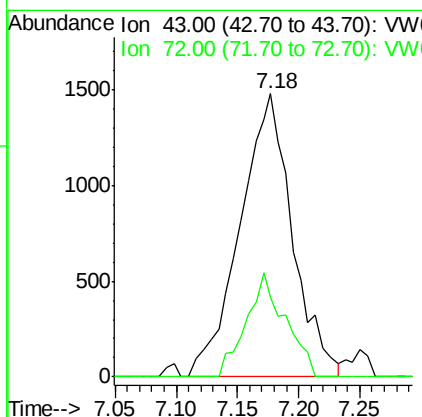
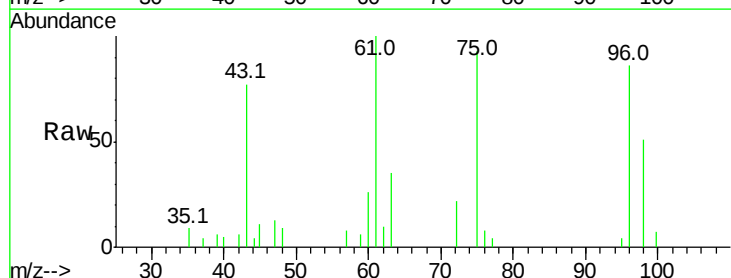
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.592

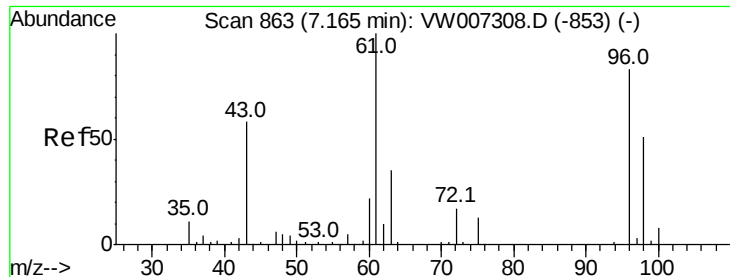
Tgt Ion: 63 Resp: 7264
 Ion Ratio Lower Upper
 63 100
 65 26.9 22.1 41.1
 83 16.3 9.8 18.2



#21
 2-Butanone
 Concen: 8.735 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW007306.D
 Acq: 07 Dec 2018 13:14

Tgt Ion: 43 Resp: 4393
 Ion Ratio Lower Upper
 43 100
 72 27.5 14.7 44.1



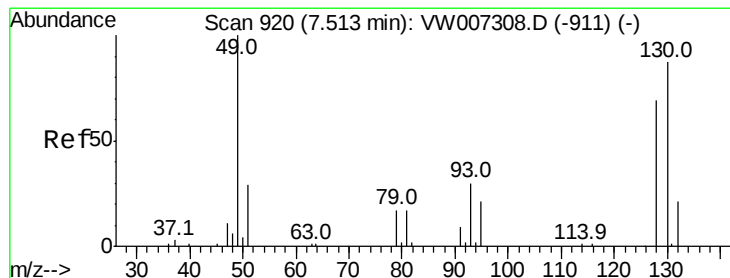
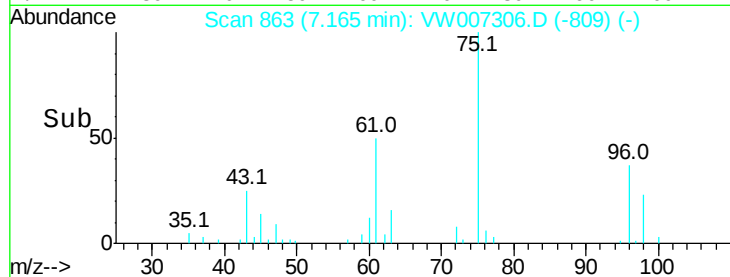
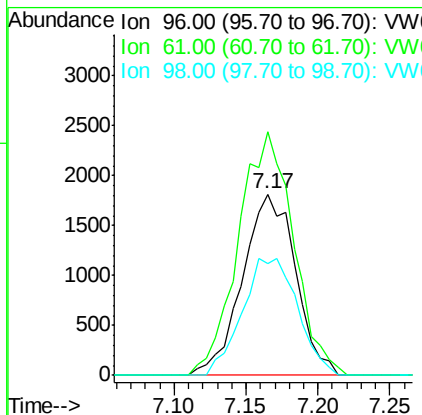
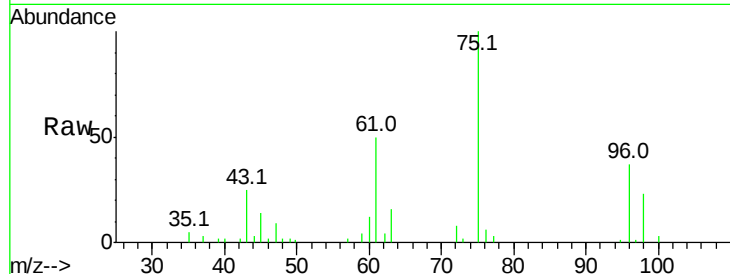


#22

cis-1,2-Dichloroethene
Concen: 2.599 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW007306.D
Acq: 07 Dec 2018 13:14

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.592

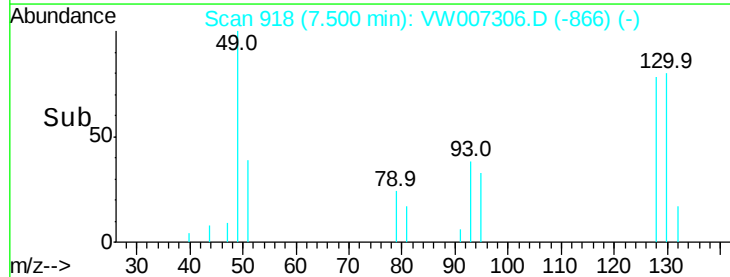
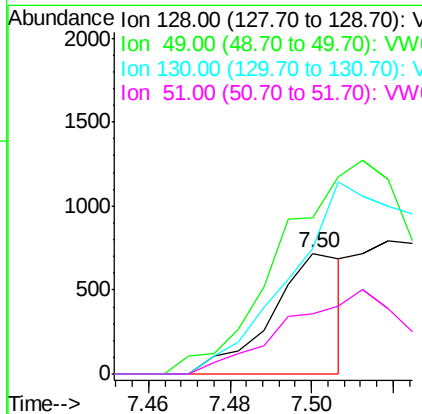
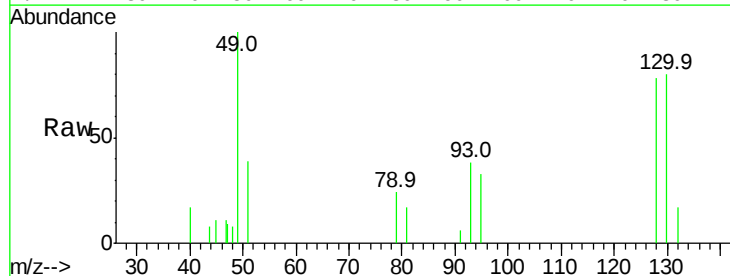
Tgt Ion: 96 Resp: 4642
Ion Ratio Lower Upper
96 100
61 134.5 84.6 157.2
98 61.6 42.9 79.7

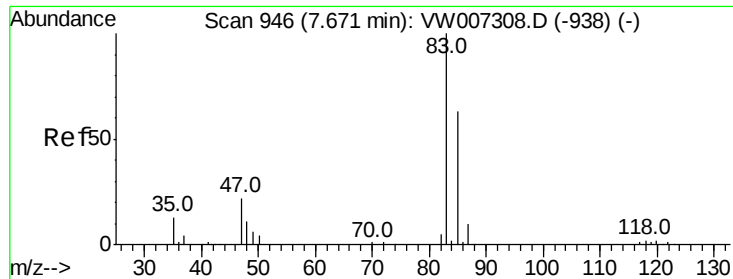


#23

Bromochloromethane
Concen: 1.151 ug/L
RT: 7.50 min Scan# 918
Delta R.T. -0.01 min
Lab File: VW007306.D
Acq: 07 Dec 2018 13:14

Tgt Ion: 128 Resp: 895
Ion Ratio Lower Upper
128 100
49 129.0 102.3 190.1
130 103.3 88.0 163.4
51 49.7 34.2 51.4

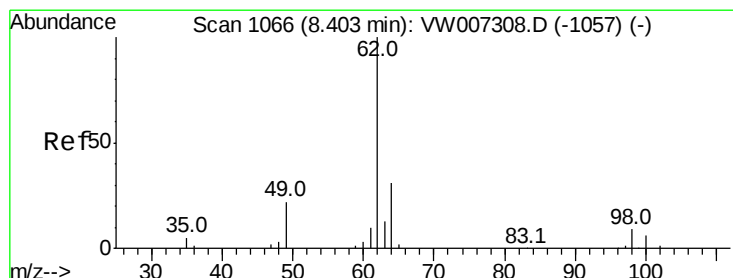
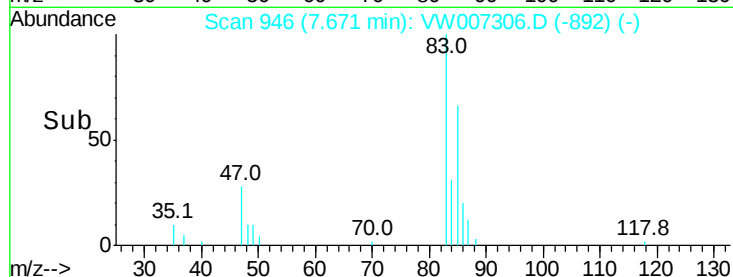
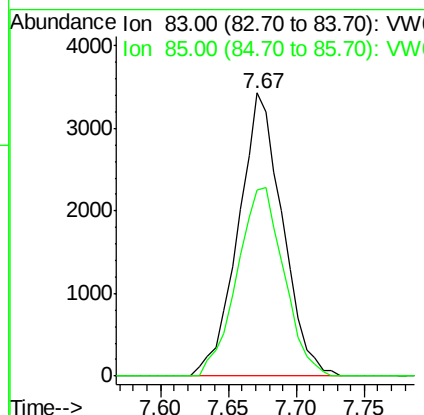
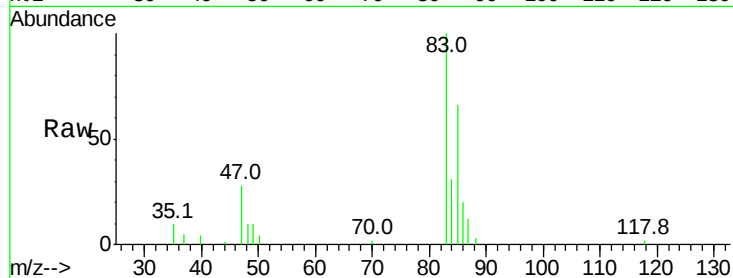




#25
Chloroform
Concen: 2.594 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW007306.D
Acq: 07 Dec 2018 13:14

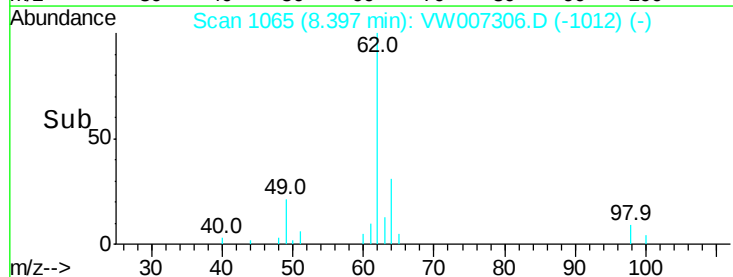
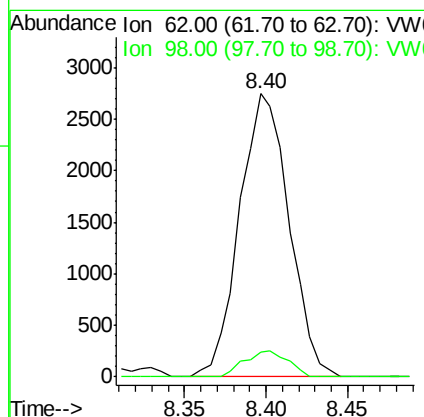
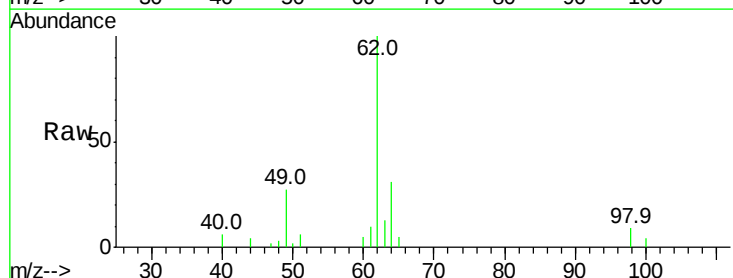
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.592

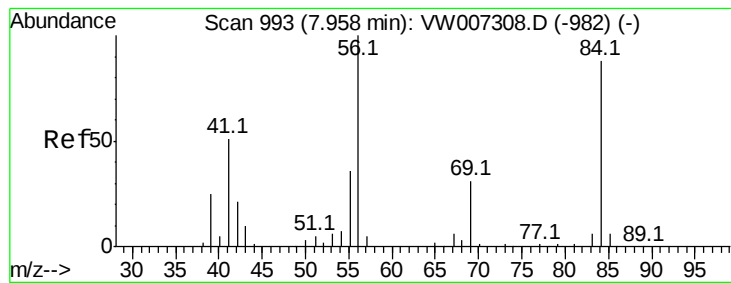
Tgt Ion: 83 Resp: 7776
Ion Ratio Lower Upper
83 100
85 70.4 46.0 85.4



#27
1,2-Dichloroethane
Concen: 2.923 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW007306.D
Acq: 07 Dec 2018 13:14

Tgt Ion: 62 Resp: 5813
Ion Ratio Lower Upper
62 100
98 8.6 6.9 10.3





#30

Cyclohexane

Concen: 2.836 ug/L

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW007306.D

Acq: 07 Dec 2018 13:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.592

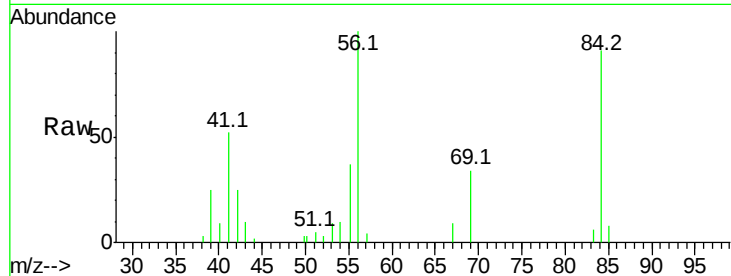
Tgt Ion: 56 Resp: 7040

Ion Ratio Lower Upper

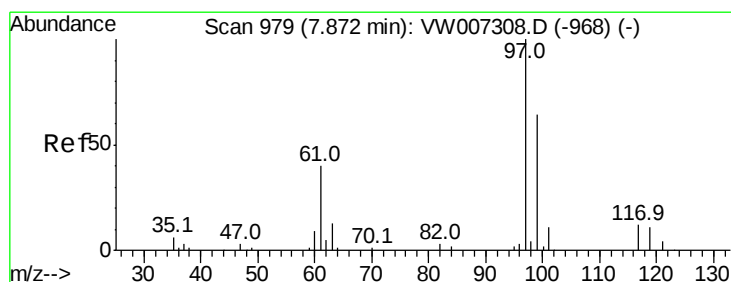
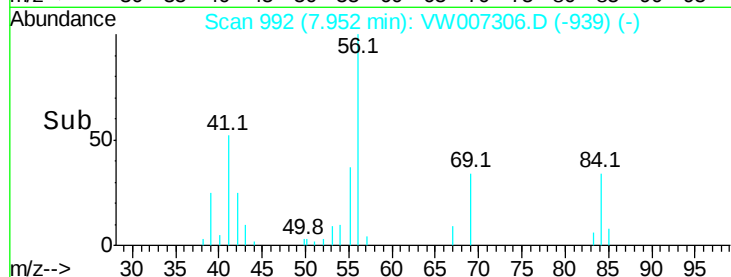
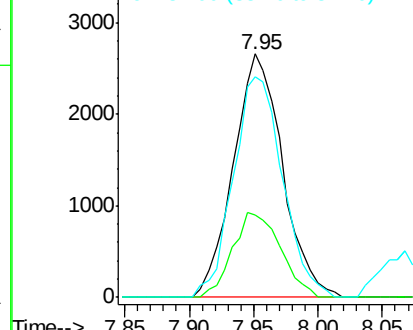
56 100

69 34.0 26.0 39.0

84 91.1 73.6 110.4



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: 2.921 ug/L

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW007306.D

Acq: 07 Dec 2018 13:14

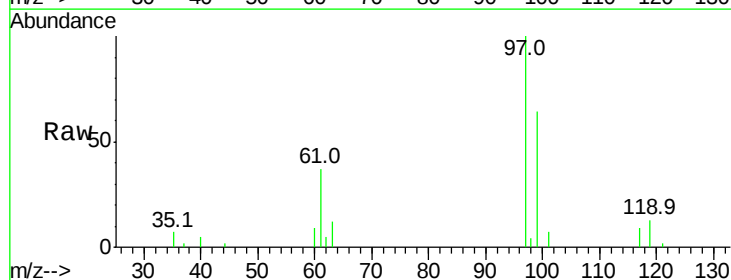
Tgt Ion: 97 Resp: 6890

Ion Ratio Lower Upper

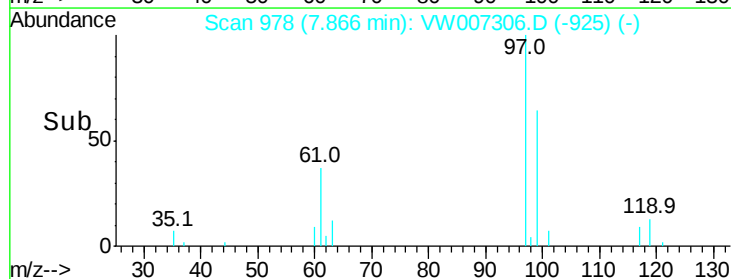
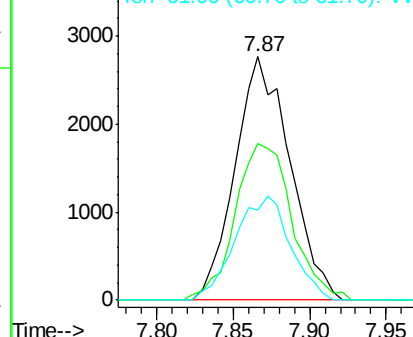
97 100

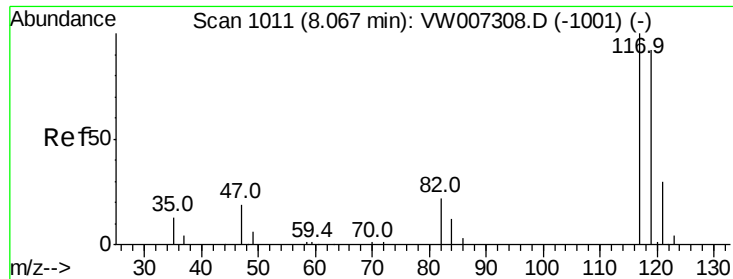
99 66.3 51.3 76.9

61 43.0 33.2 49.8



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: 3.057 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW007306.D

Acq: 07 Dec 2018 13:14

Instrument :

MSVOA_W

ClientSampleId :

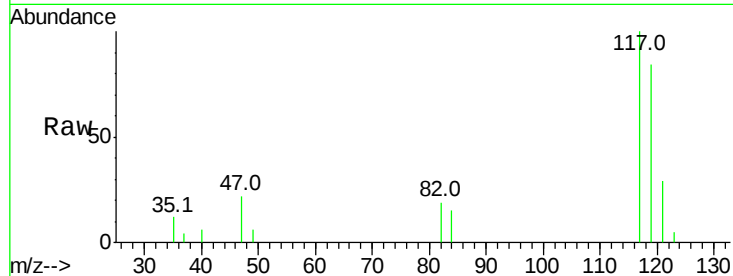
VSTD2.592

Tgt Ion:117 Resp: 6544

Ion Ratio Lower Upper

117 100

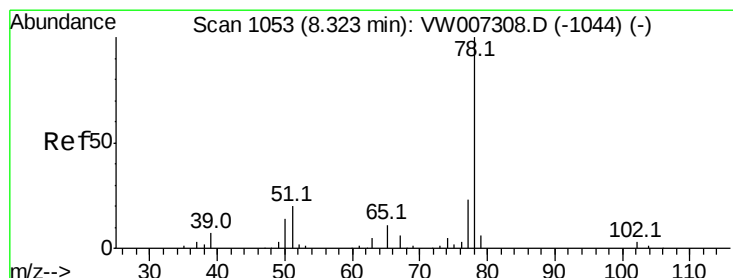
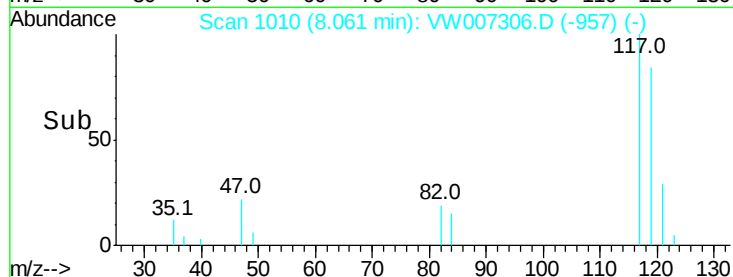
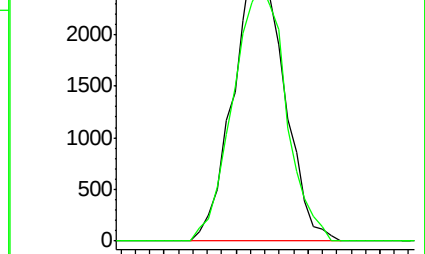
119 95.6 75.3 112.9



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.06



#34

Benzene

Concen: 2.760 ug/L

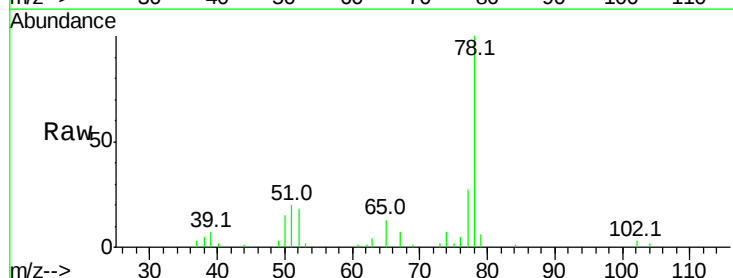
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW007306.D

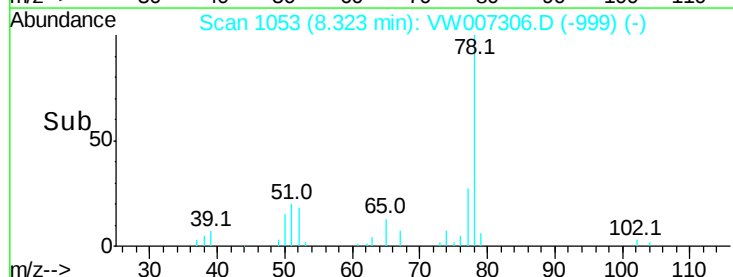
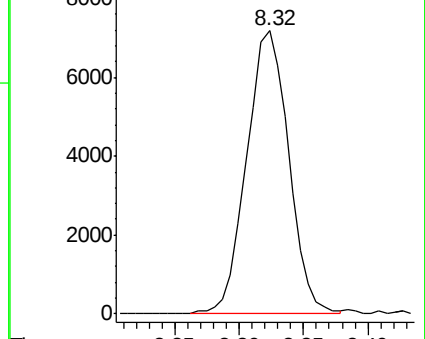
Acq: 07 Dec 2018 13:14

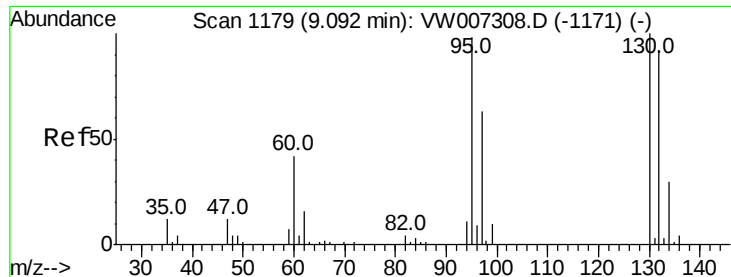
Tgt Ion: 78 Resp: 16293



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32





#35

Trichloroethene

Concen: 3.008 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW007306.D

Acq: 07 Dec 2018 13:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.592

Tgt Ion: 95 Resp: 4814

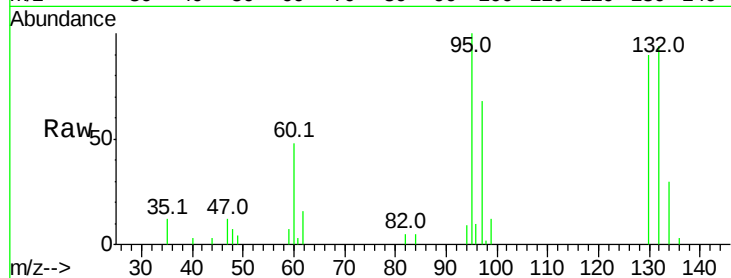
Ion Ratio Lower Upper

95 100

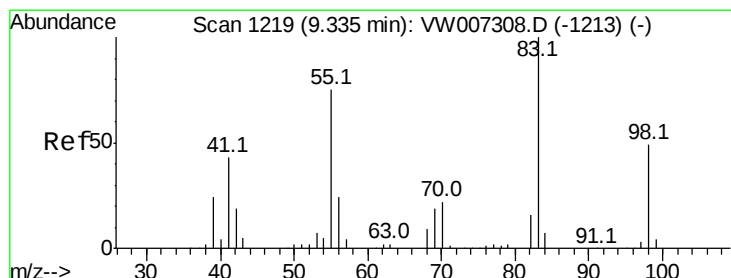
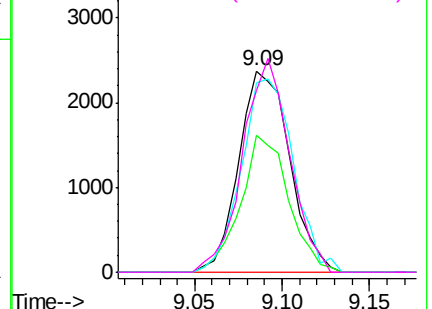
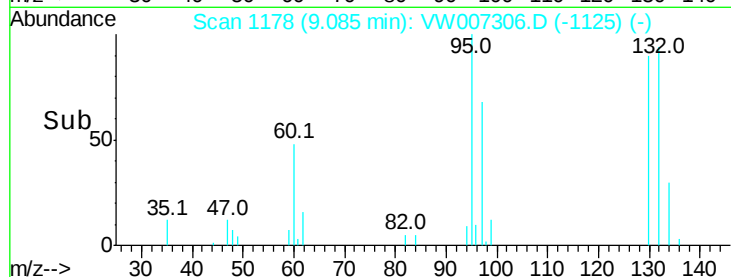
97 64.1 45.8 85.0

132 98.3 68.0 126.4

130 98.3 71.6 133.0



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: 2.825 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW007306.D

Acq: 07 Dec 2018 13:14

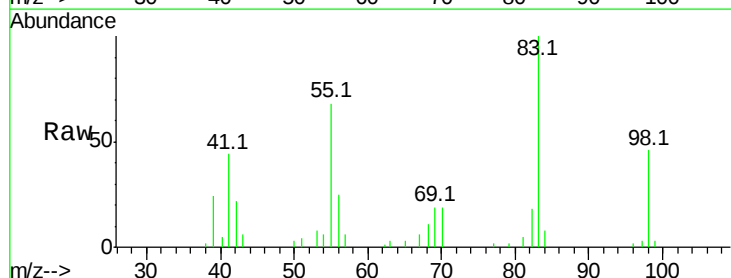
Tgt Ion: 83 Resp: 8394

Ion Ratio Lower Upper

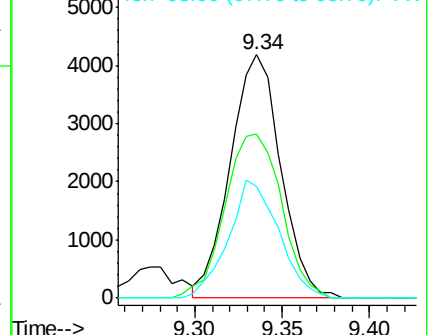
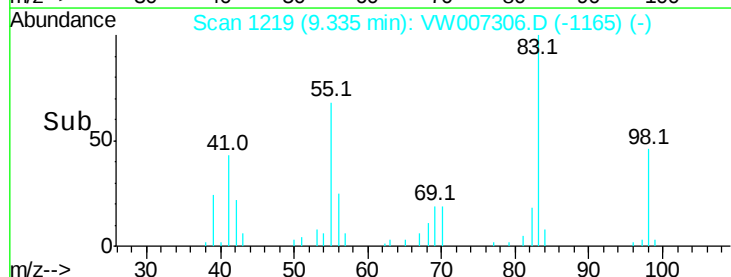
83 100

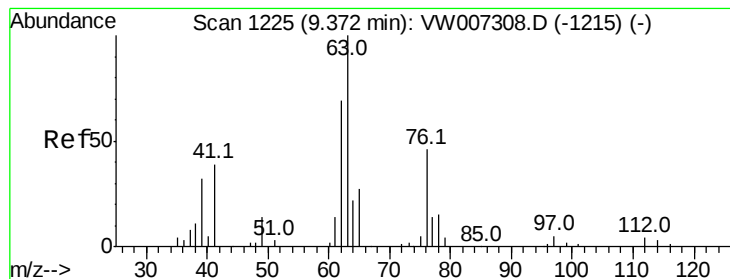
55 75.6 59.4 89.2

98 48.2 38.1 57.1



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: 2.970 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.01 min

Lab File: VW007306.D

Acq: 07 Dec 2018 13:14

Instrument :

MSVOA_W

ClientSampleId :

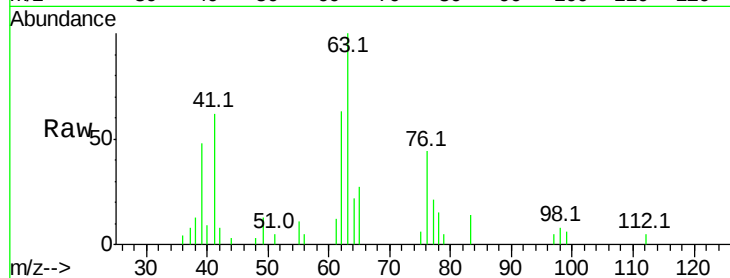
VSTD2.592

Tgt Ion: 63 Resp: 4205

Ion Ratio Lower Upper

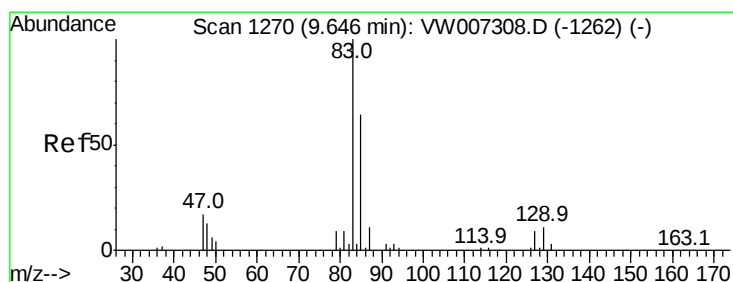
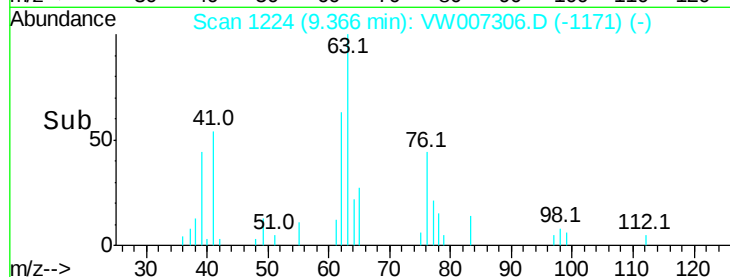
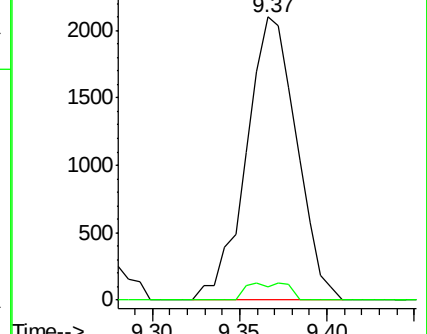
63 100

112 2.8 3.6 5.4#



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 3.194 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW007306.D

Acq: 07 Dec 2018 13:14

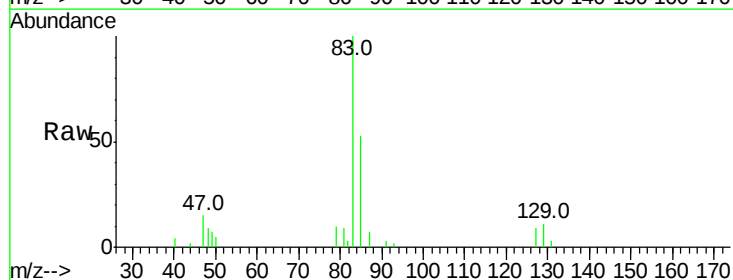
Tgt Ion: 83 Resp: 5921

Ion Ratio Lower Upper

83 100

85 52.8 44.9 83.5

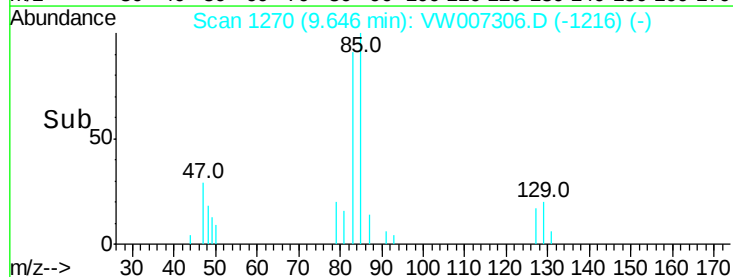
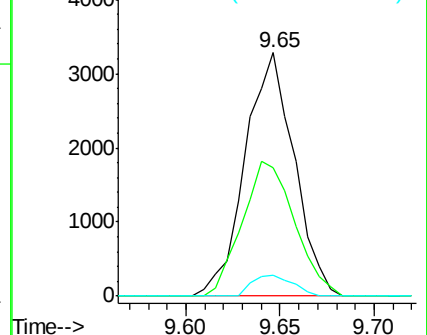
127 8.7 7.4 11.2

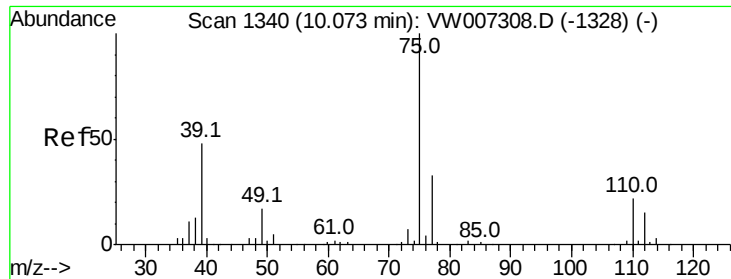


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 2.882 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW007306.D

Acq: 07 Dec 2018 13:14

Instrument :

MSVOA_W

ClientSampleId :

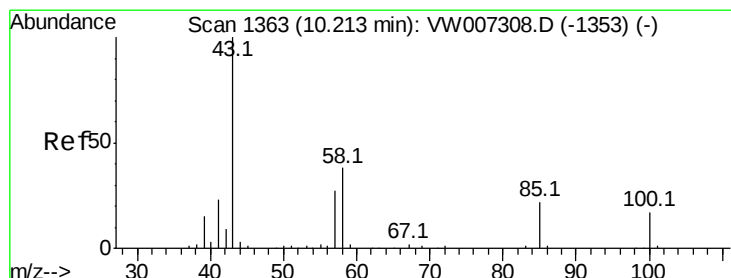
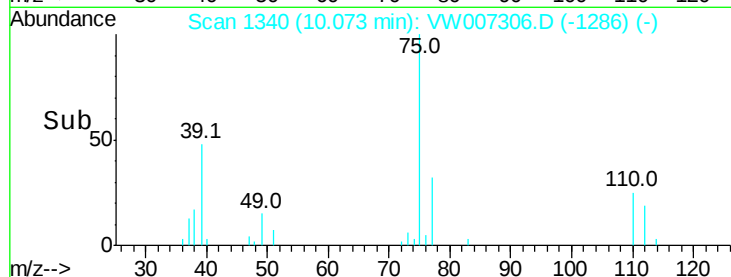
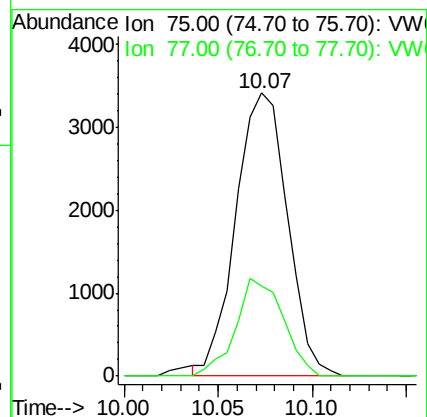
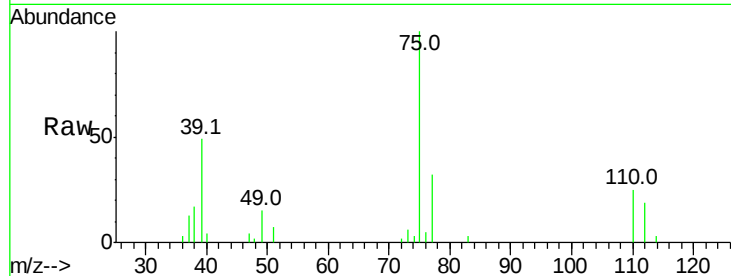
VSTD2.592

Tgt Ion: 75 Resp: 6481

Ion Ratio Lower Upper

75 100

77 32.0 23.0 42.6



#43

4-Methyl-2-pentanone

Concen: 6.628 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW007306.D

Acq: 07 Dec 2018 13:14

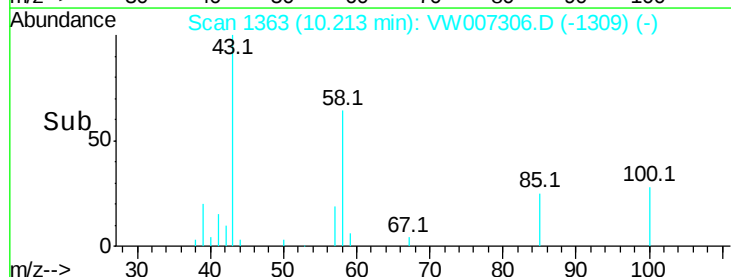
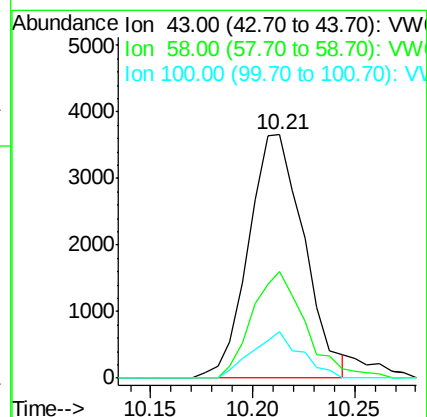
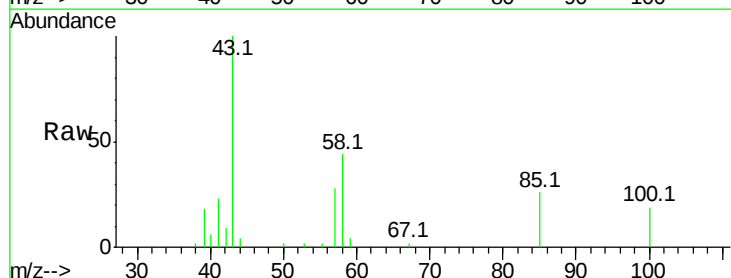
Tgt Ion: 43 Resp: 6944

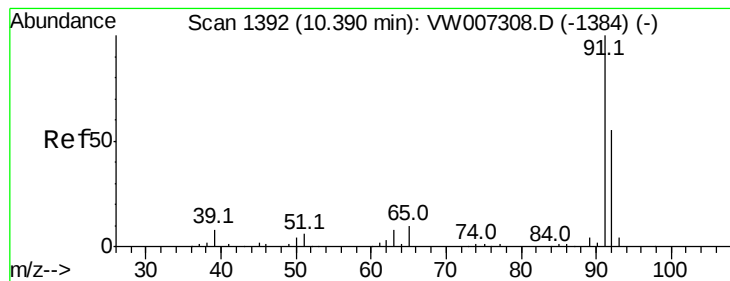
Ion Ratio Lower Upper

43 100

58 42.1 32.6 48.8

100 16.8 13.8 20.8





#44

Toluene

Concen: 2.525 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007306.D

Acq: 07 Dec 2018 13:14

Instrument :

MSVOA_W

ClientSampled :

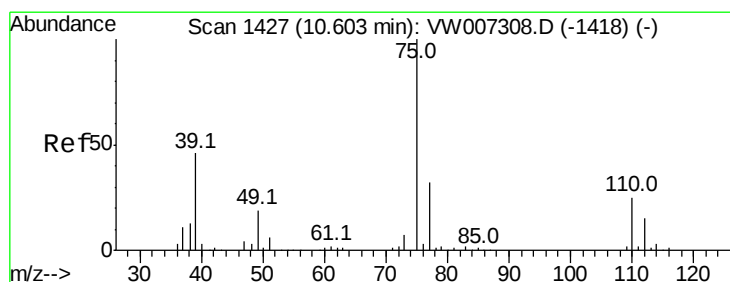
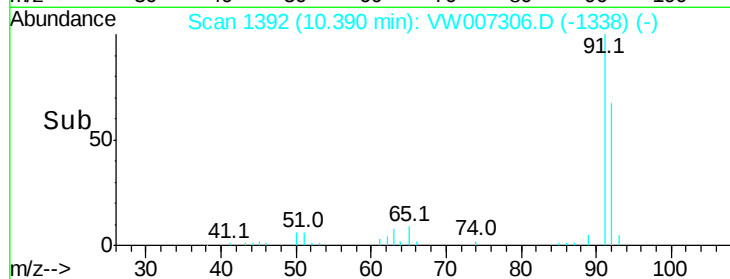
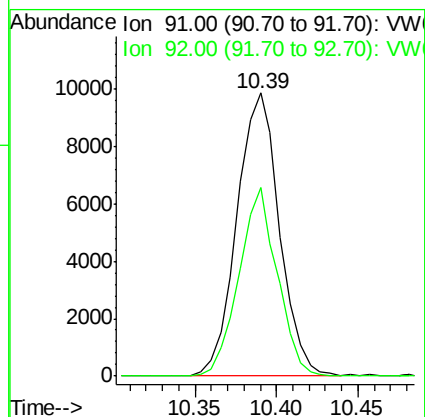
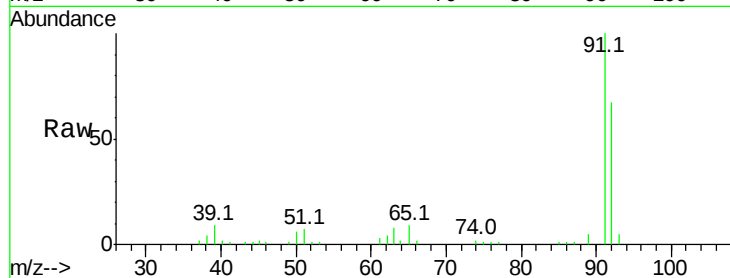
VSTD2.592

Tgt Ion: 91 Resp: 17856

Ion Ratio Lower Upper

91 100

92 66.5 38.2 71.0



#45

trans-1,3-Dichloropropene

Concen: 2.831 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW007306.D

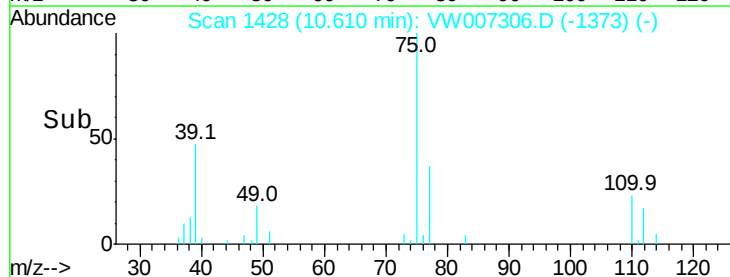
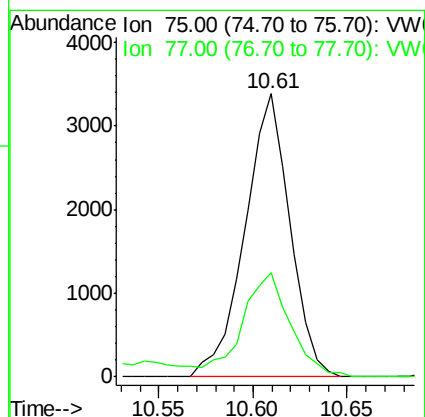
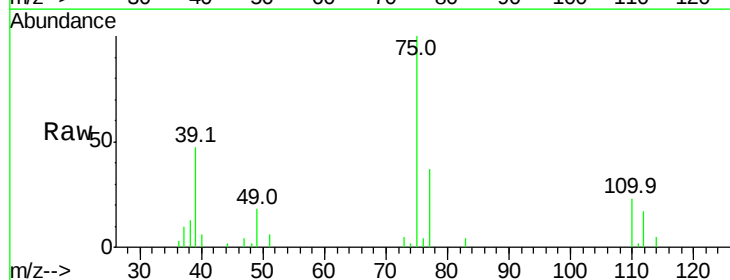
Acq: 07 Dec 2018 13:14

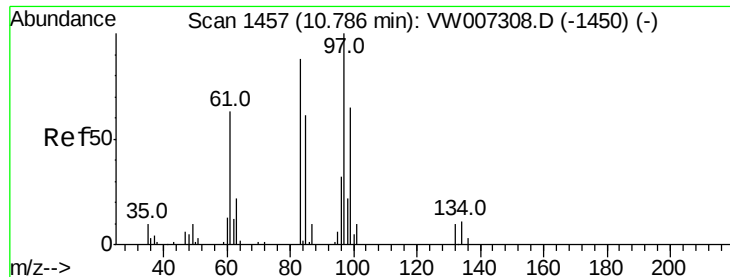
Tgt Ion: 75 Resp: 5594

Ion Ratio Lower Upper

75 100

77 36.8 22.6 42.0





#46

1,1,2-Trichloroethane

Concen: 3.217 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.01 min

Lab File: VW007306.D

Acq: 07 Dec 2018 13:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.592

Tgt Ion: 97 Resp: 3587

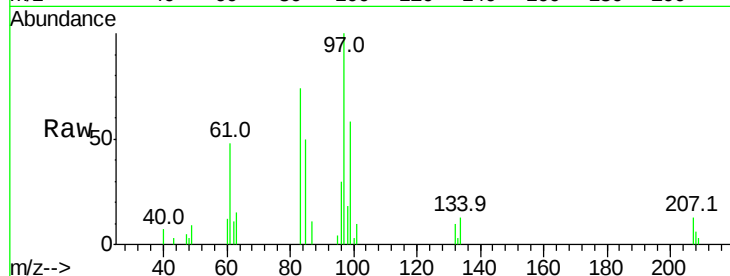
Ion Ratio Lower Upper

97 100

83 74.0 61.2 113.8

85 50.1 42.5 78.9

99 58.3 45.7 84.9

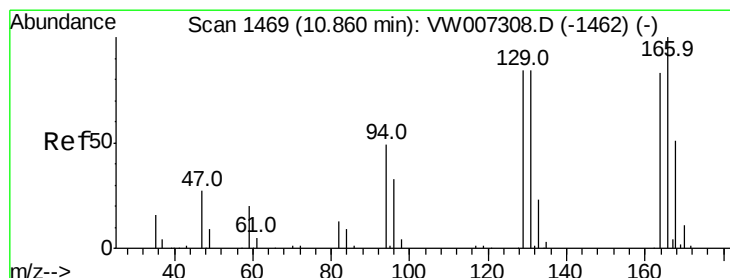
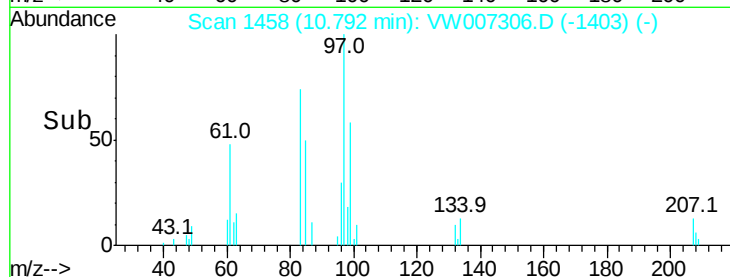
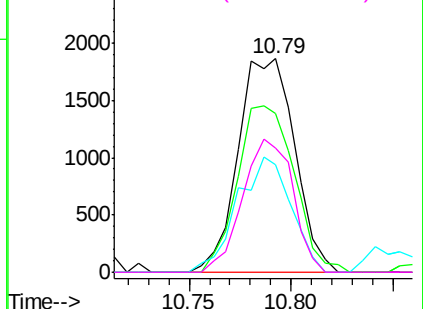


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 2.667 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW007306.D

Acq: 07 Dec 2018 13:14

Tgt Ion: 164 Resp: 3728

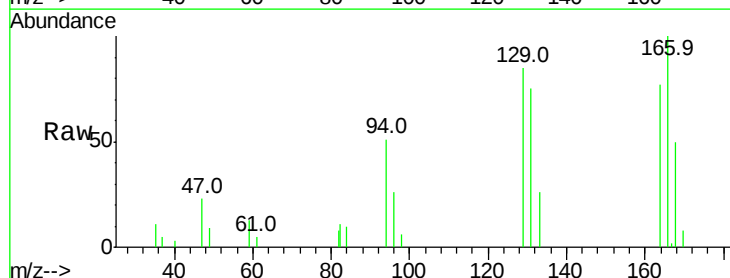
Ion Ratio Lower Upper

164 100

129 110.8 70.8 131.6

131 98.0 70.4 130.8

166 129.9 84.2 156.4

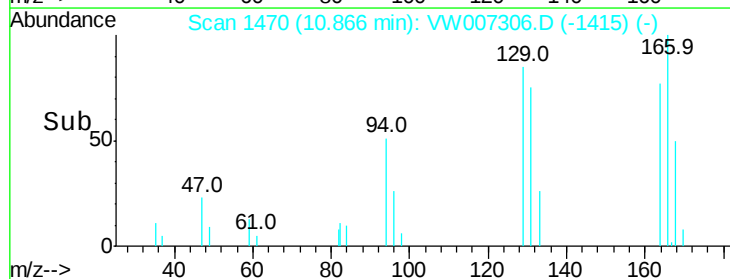
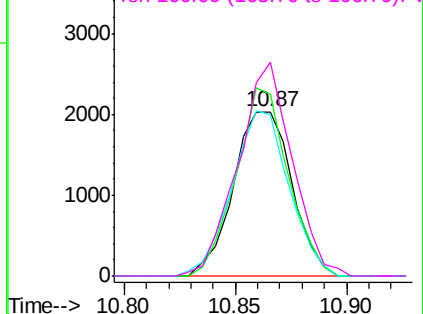


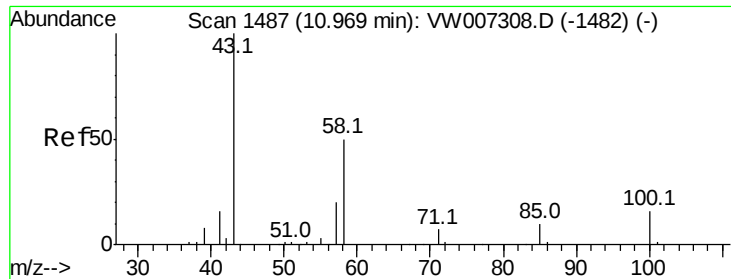
Abundance Ion 164.00 (163.70 to 164.70): V

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: 7.046 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW007306.D

Acq: 07 Dec 2018 13:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.592

Tgt Ion: 43 Resp: 4997

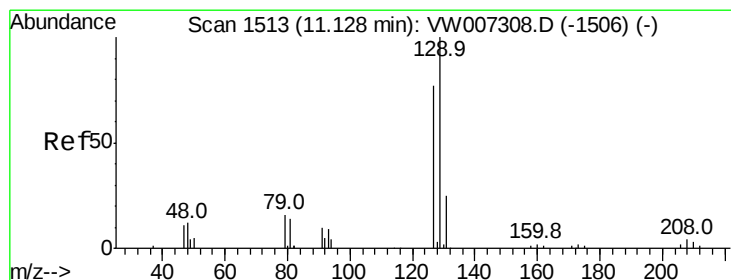
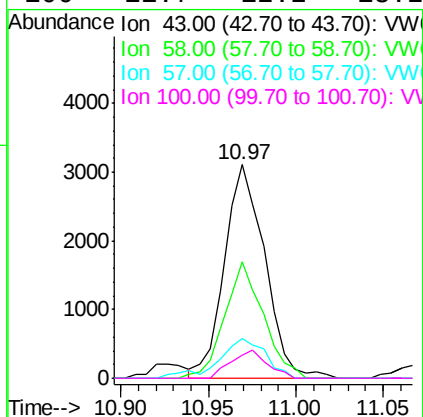
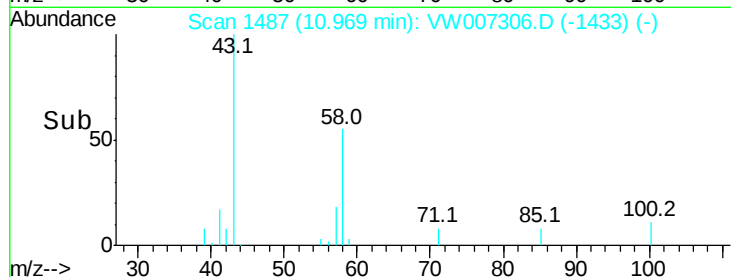
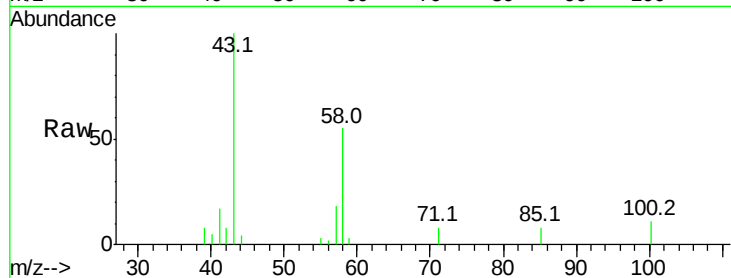
Ion Ratio Lower Upper

43 100

58 52.0 47.2 70.8

57 19.3 17.6 26.4

100 11.7 12.2 18.2#



#50

Dibromochloromethane

Concen: 3.059 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW007306.D

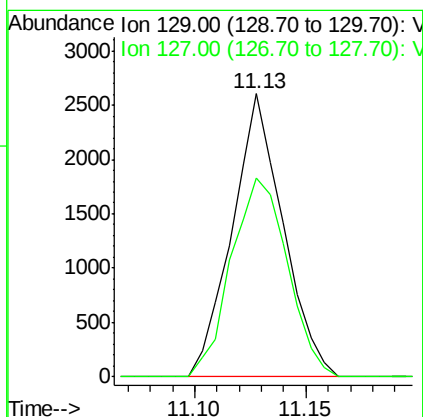
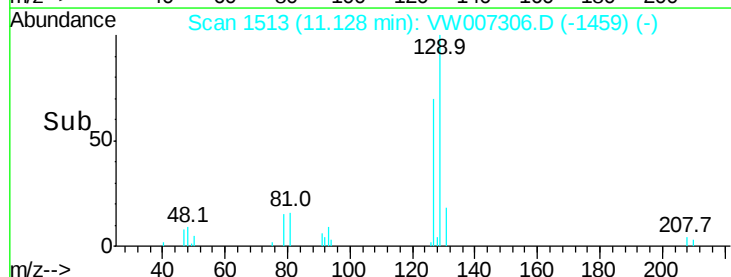
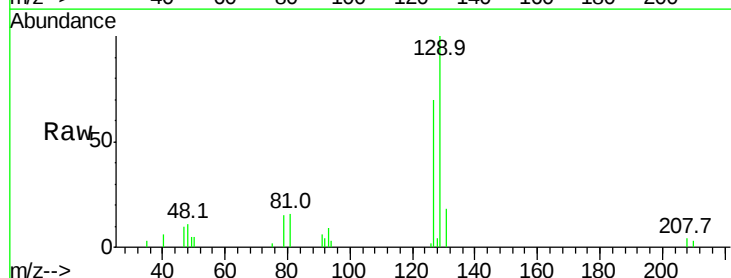
Acq: 07 Dec 2018 13:14

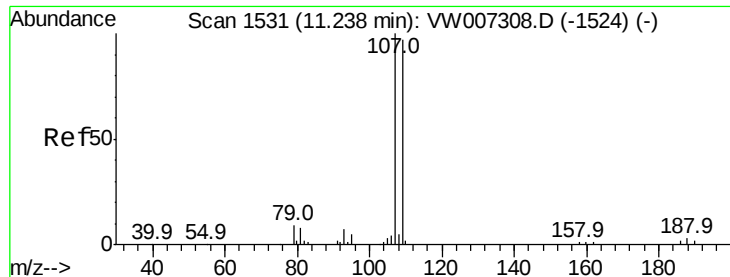
Tgt Ion: 129 Resp: 4154

Ion Ratio Lower Upper

129 100

127 70.1 53.8 100.0

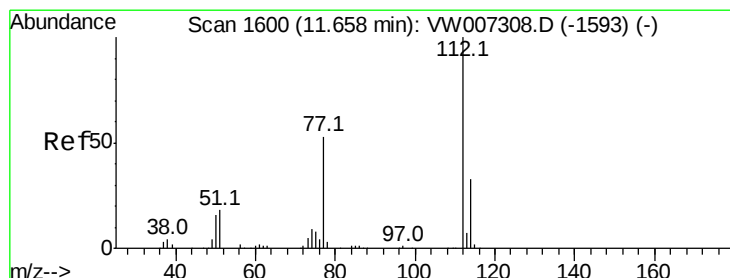
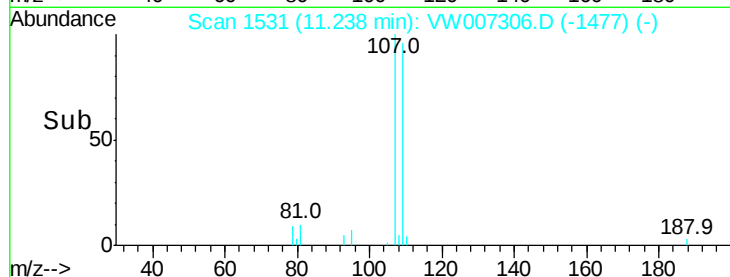
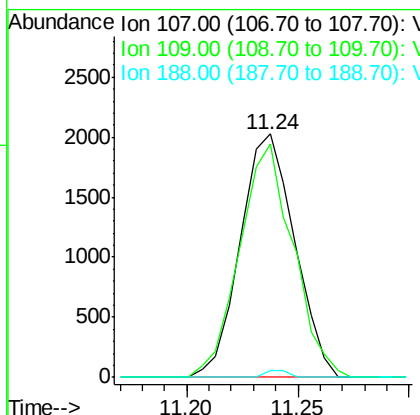
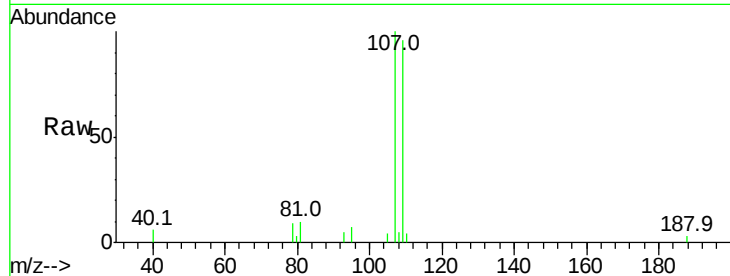




#51
1,2-Dibromoethane
Concen: 3.044 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW007306.D
Acq: 07 Dec 2018 13:14

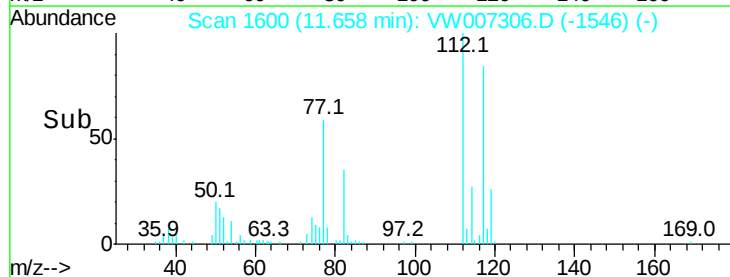
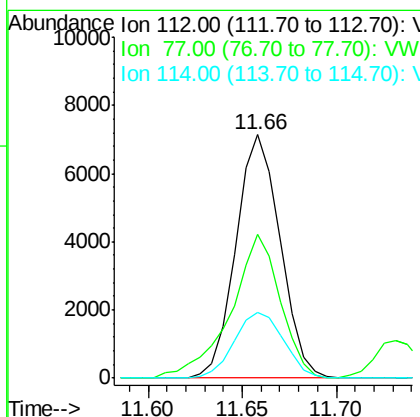
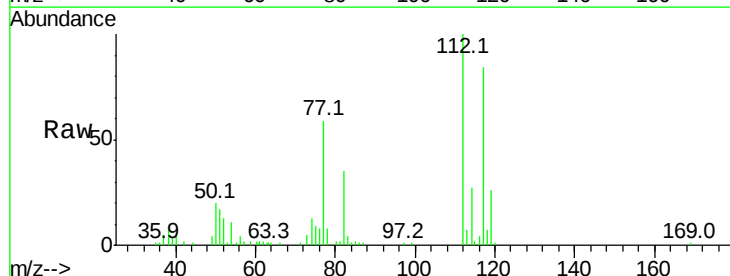
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.592

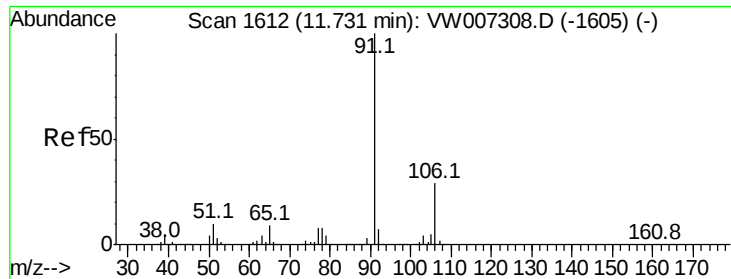
Tgt Ion:107 Resp: 3439
Ion Ratio Lower Upper
107 100
109 95.9 67.6 125.6
188 2.9 2.6 4.0



#52
Chlorobenzene
Concen: 2.493 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW007306.D
Acq: 07 Dec 2018 13:14

Tgt Ion:112 Resp: 11625
Ion Ratio Lower Upper
112 100
77 59.1 42.6 63.8
114 26.8 23.0 42.8

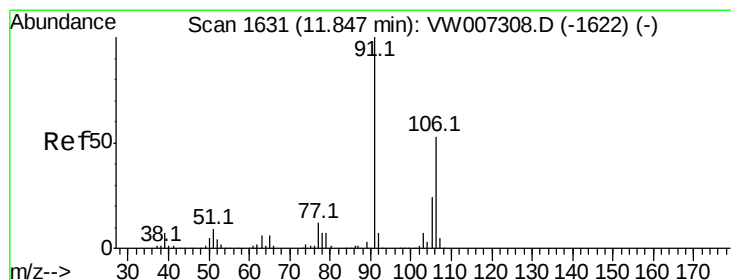
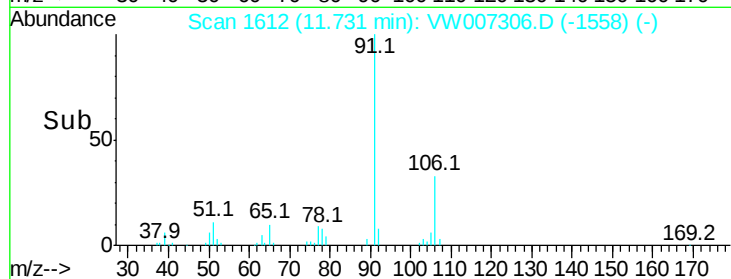
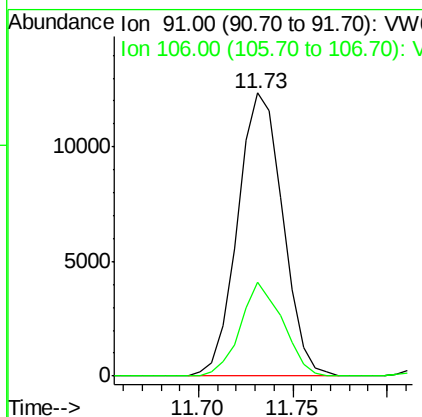
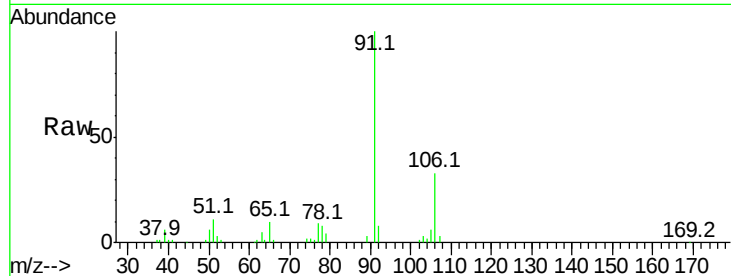




#53
Ethylbenzene
Concen: 2.504 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007306.D
Acq: 07 Dec 2018 13:14

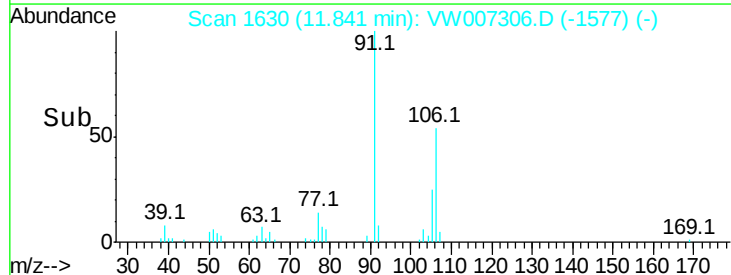
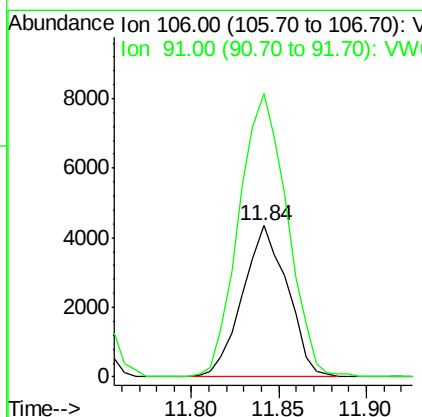
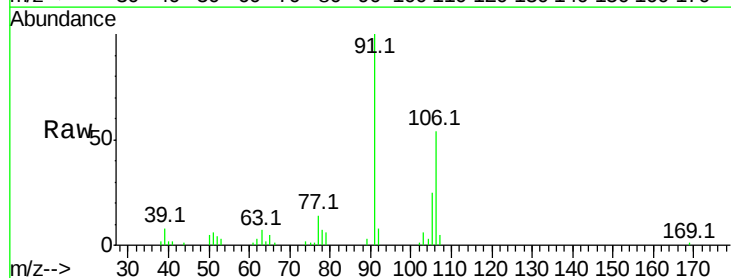
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.592

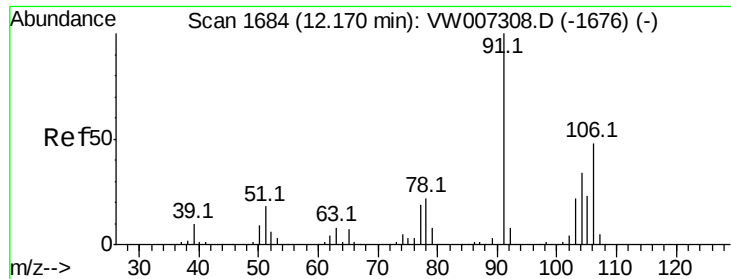
Tgt Ion: 91 Resp: 20528
Ion Ratio Lower Upper
91 100
106 33.4 20.2 37.4



#54
m,p-Xylene
Concen: 2.430 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW007306.D
Acq: 07 Dec 2018 13:14

Tgt Ion: 106 Resp: 7776
Ion Ratio Lower Upper
106 100
91 186.9 132.2 245.6





#55

o-xylene

Concen: 2.490 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW007306.D

Acq: 07 Dec 2018 13:14

Instrument :

MSVOA_W

ClientSampleId :

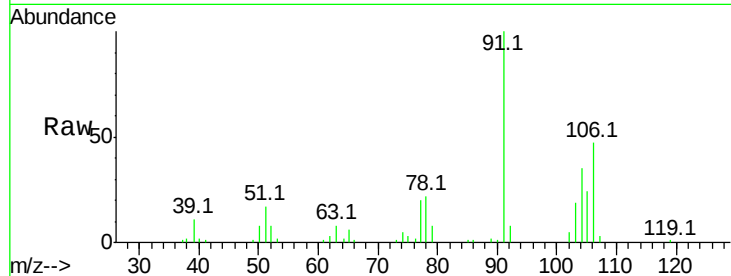
VSTD2.592

Tgt Ion:106 Resp: 7387

Ion Ratio Lower Upper

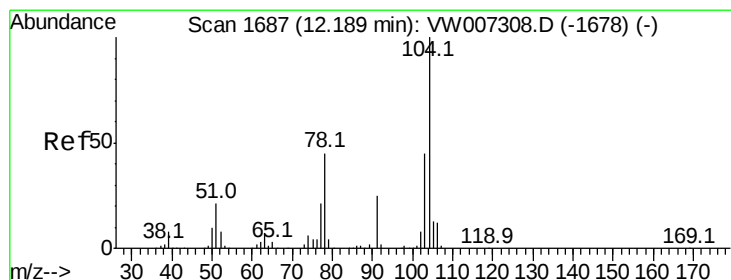
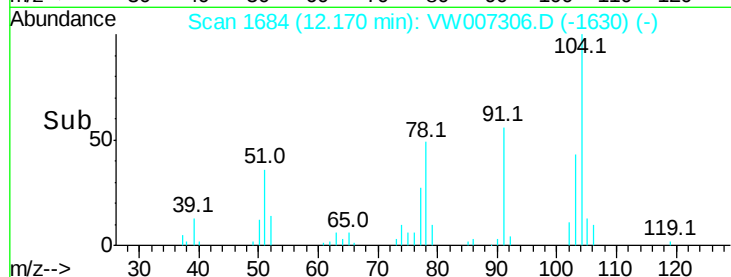
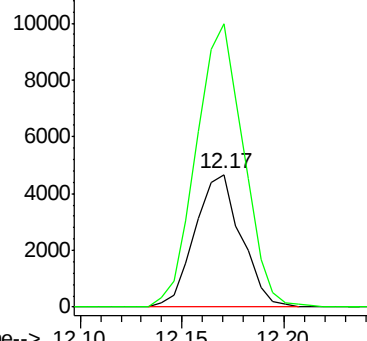
106 100

91 213.4 147.0 273.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 2.512 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.01 min

Lab File: VW007306.D

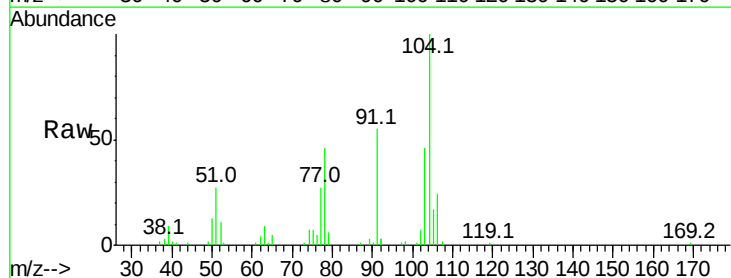
Acq: 07 Dec 2018 13:14

Tgt Ion:104 Resp: 12604

Ion Ratio Lower Upper

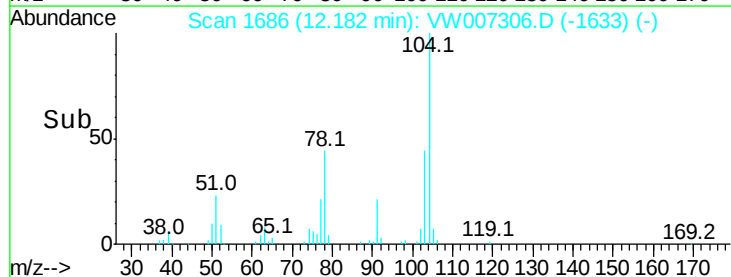
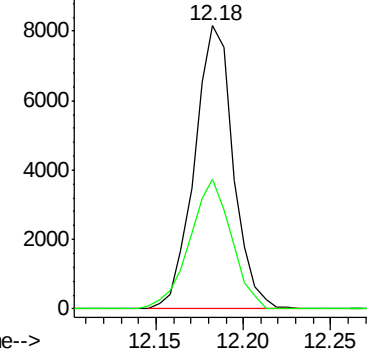
104 100

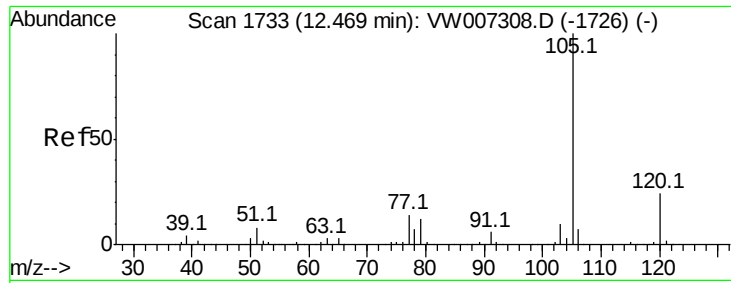
78 45.7 31.8 59.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 2.427 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007306.D

Acq: 07 Dec 2018 13:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.592

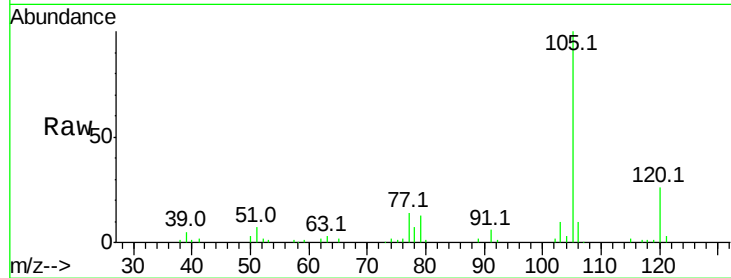
Tgt Ion: 105 Resp: 20021

Ion Ratio Lower Upper

105 100

120 26.0 20.6 30.8

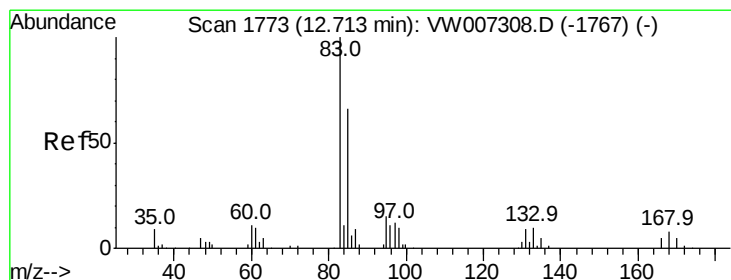
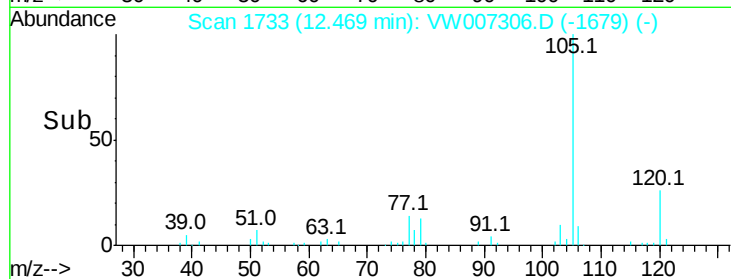
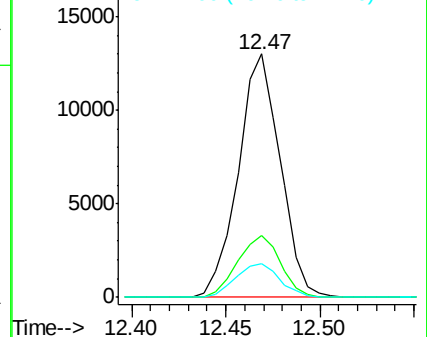
77 14.7 12.2 18.2



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: 3.151 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.01 min

Lab File: VW007306.D

Acq: 07 Dec 2018 13:14

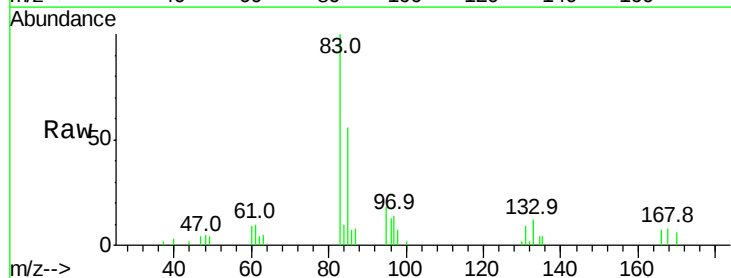
Tgt Ion: 83 Resp: 4465

Ion Ratio Lower Upper

83 100

85 56.4 46.2 85.8

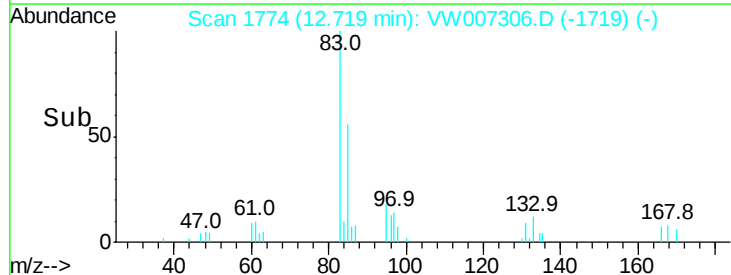
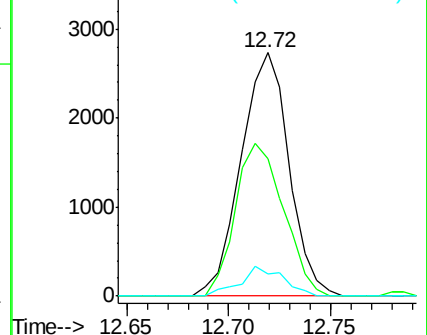
131 9.1 7.8 11.6

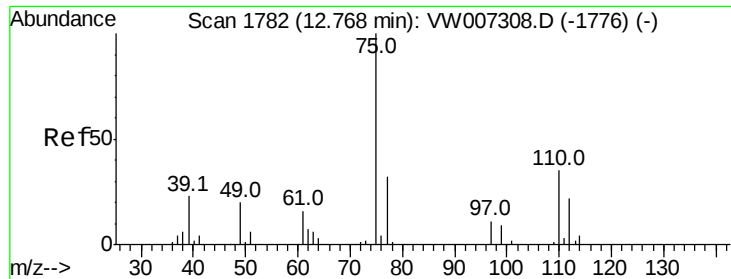


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

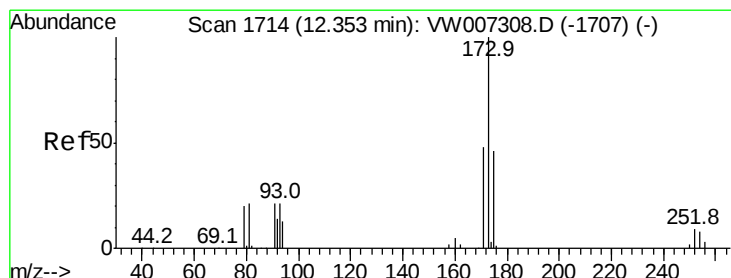
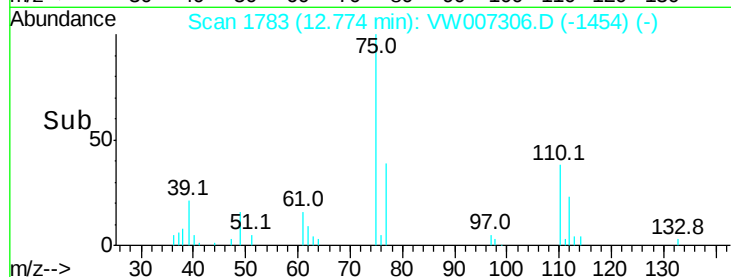
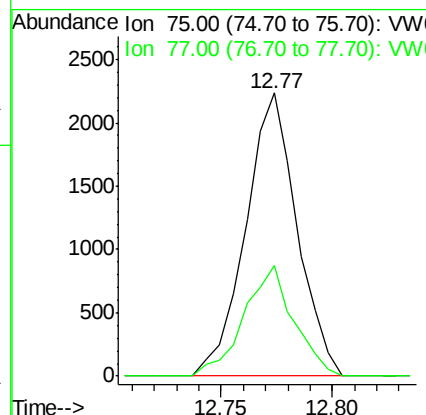
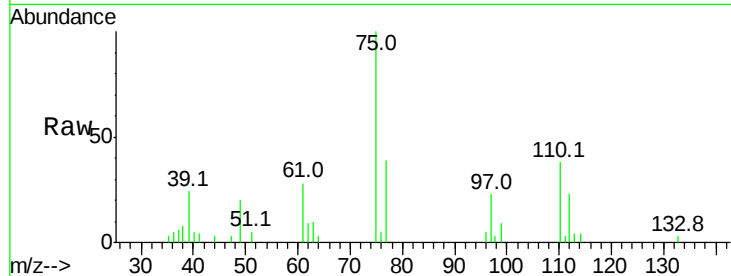




#59
 1,2,3-Trichloropropane
 Concen: 3.230 ug/L
 RT: 12.77 min Scan# 1783
 Delta R.T. 0.01 min
 Lab File: VW007306.D
 Acq: 07 Dec 2018 13:14

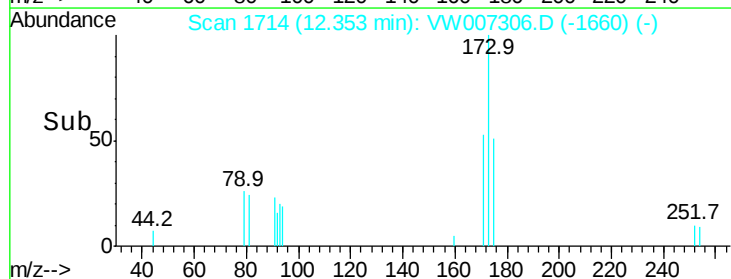
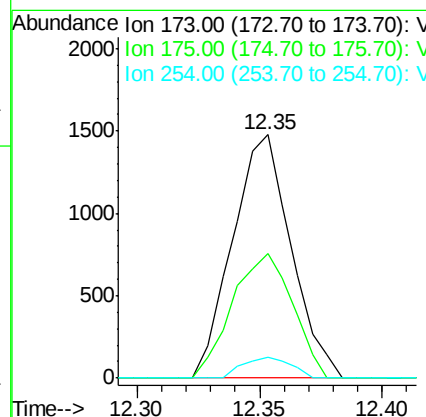
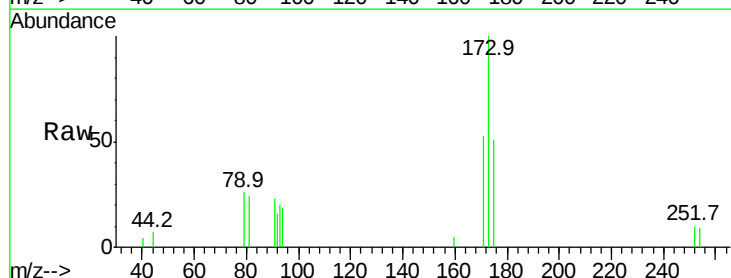
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.592

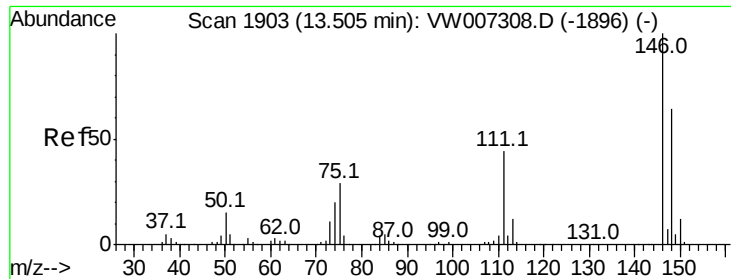
Tgt Ion: 75 Resp: 3577
 Ion Ratio Lower Upper
 75 100
 77 38.0 26.5 39.7



#62
 Bromoform
 Concen: 3.122 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. -0.00 min
 Lab File: VW007306.D
 Acq: 07 Dec 2018 13:14

Tgt Ion: 173 Resp: 2448
 Ion Ratio Lower Upper
 173 100
 175 53.0 38.6 58.0
 254 6.9 6.4 9.6

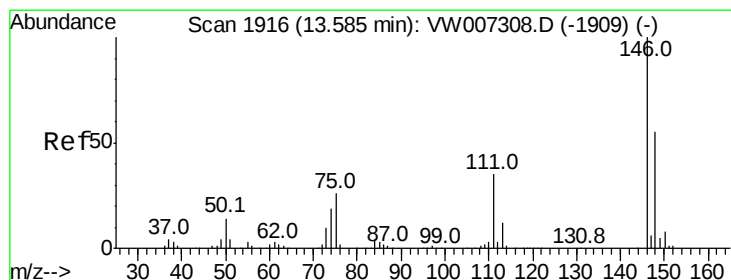
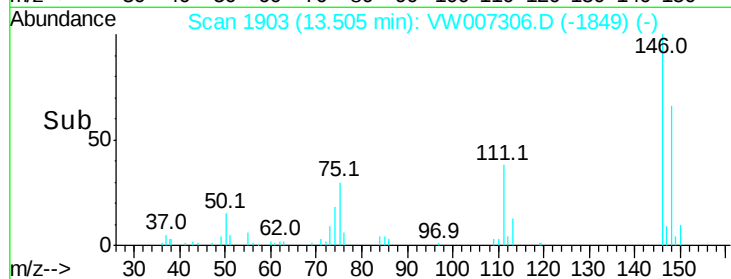
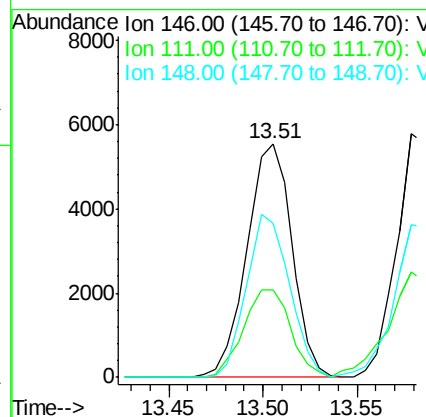
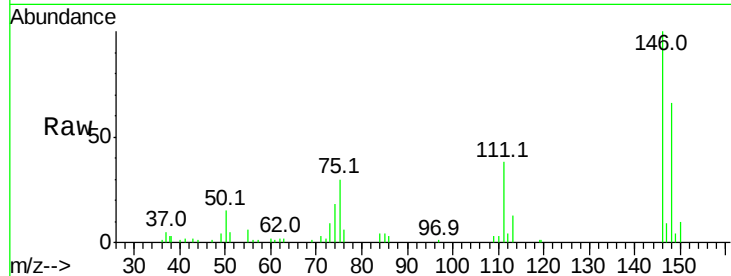




#63
 1,3-Dichlorobenzene
 Concen: 2.441 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007306.D
 Acq: 07 Dec 2018 13:14

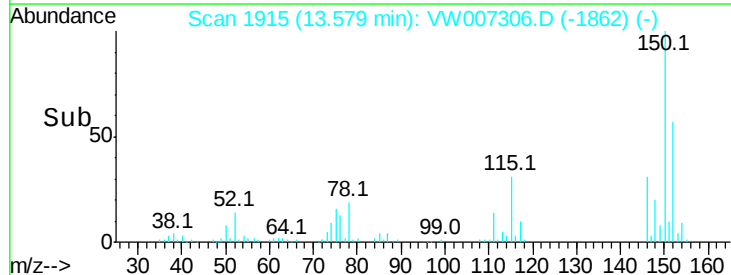
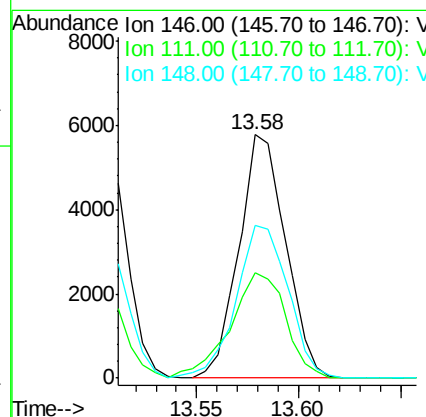
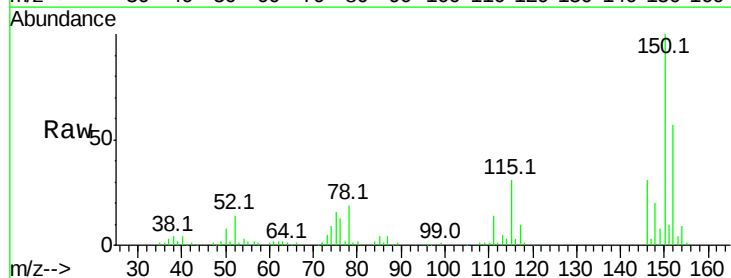
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.592

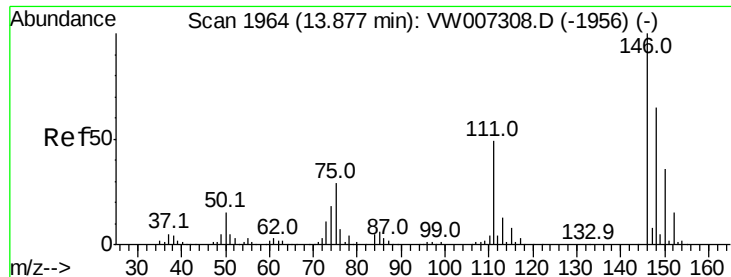
Tgt Ion:146 Resp: 9199
 Ion Ratio Lower Upper
 146 100
 111 37.6 31.0 57.6
 148 66.0 44.7 83.1



#64
 1,4-Dichlorobenzene
 Concen: 2.430 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.01 min
 Lab File: VW007306.D
 Acq: 07 Dec 2018 13:14

Tgt Ion:146 Resp: 9209
 Ion Ratio Lower Upper
 146 100
 111 43.4 24.8 46.0
 148 62.9 38.7 71.9





#65

1,2-Dichlorobenzene

Concen: 2.432 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.01 min

Lab File: VW007306.D

Acq: 07 Dec 2018 13:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.592

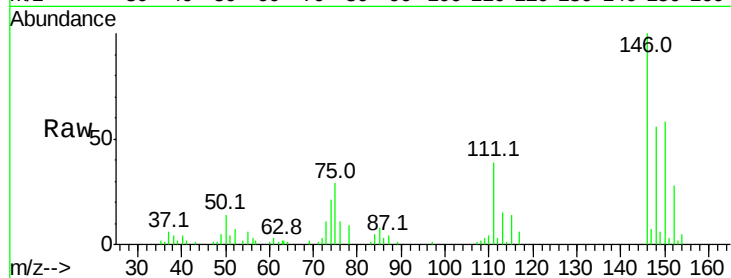
Tgt Ion:146 Resp: 8386

Ion Ratio Lower Upper

146 100

111 39.2 39.3 58.9#

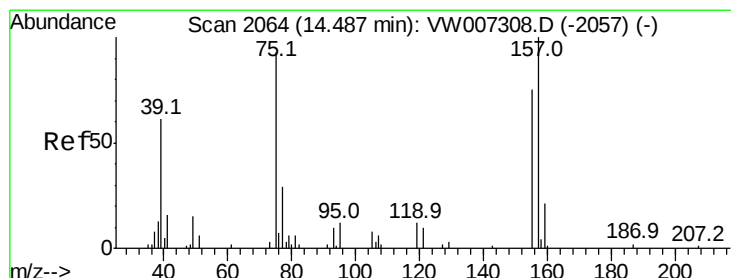
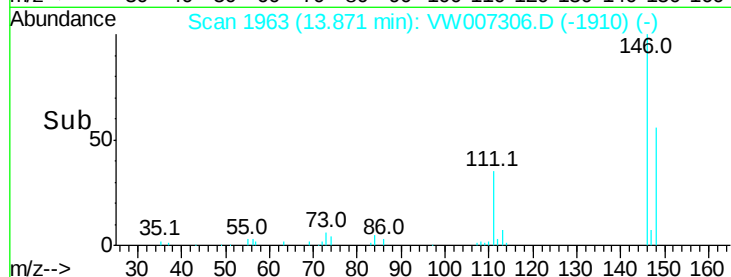
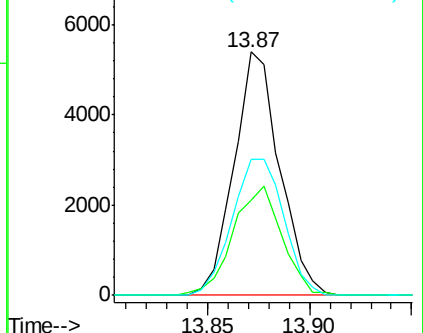
148 55.8 51.8 77.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.384 ug/L

RT: 14.63 min Scan# 2088

Delta R.T. 0.15 min

Lab File: VW007306.D

Acq: 07 Dec 2018 13:14

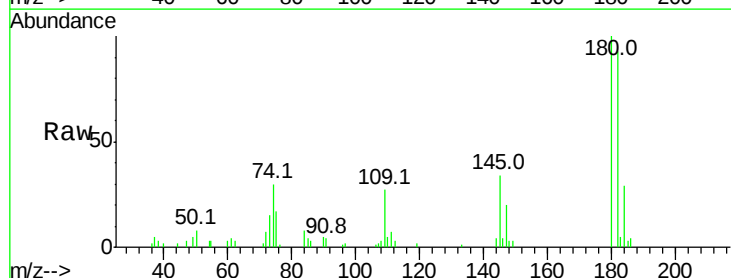
Tgt Ion: 75 Resp: 1226

Ion Ratio Lower Upper

75 100

157 0.0 86.0 129.0#

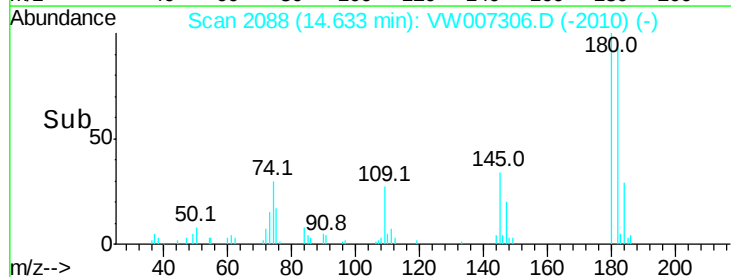
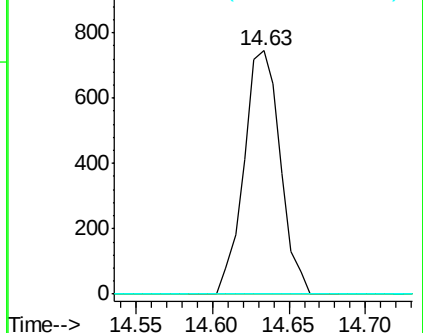
155 0.0 64.9 97.3#

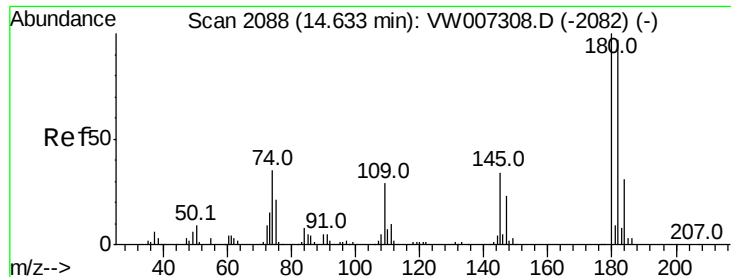


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

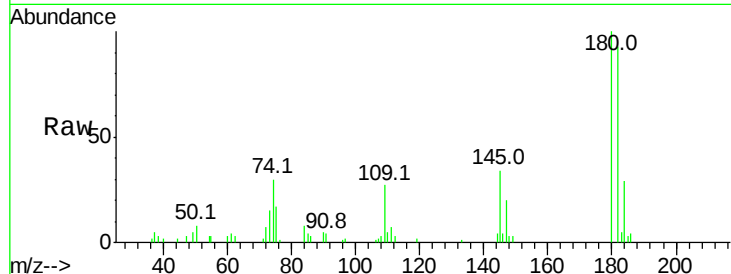




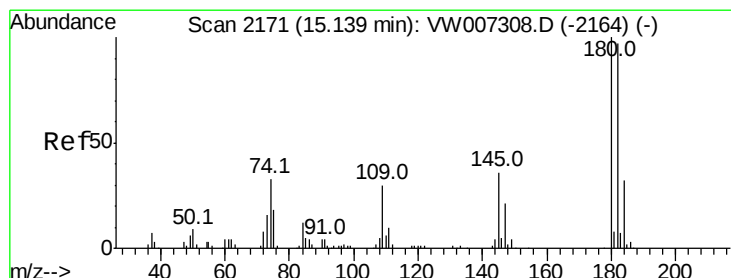
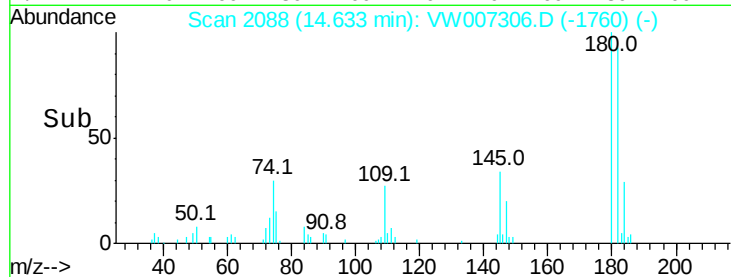
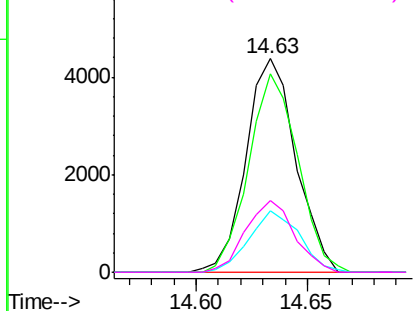
#67
 1,3,5-Trichlorobenzene
 Concen: 2.412 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW007306.D
 Acq: 07 Dec 2018 13:14

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.592

Tgt Ion:180 Resp: 6825
 Ion Ratio Lower Upper
 180 100
 182 91.6 74.6 111.8
 184 29.1 24.7 37.1
 145 32.9 27.2 40.8

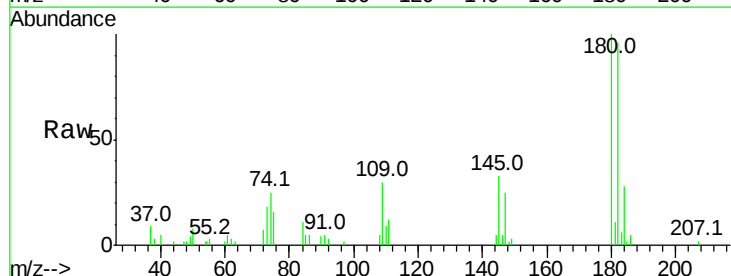


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

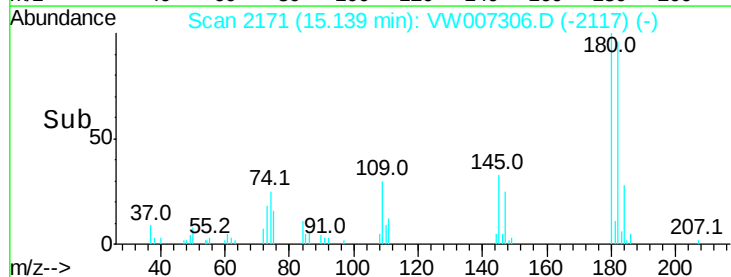
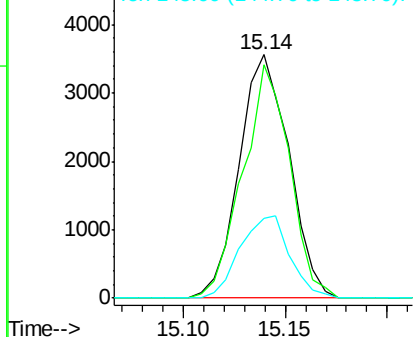


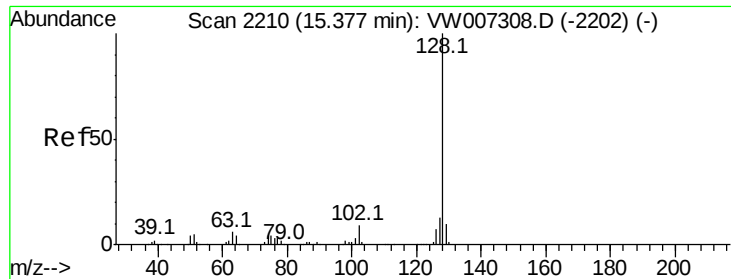
#68
 1,2,4-trichlorobenzene
 Concen: 2.510 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007306.D
 Acq: 07 Dec 2018 13:14

Tgt Ion:180 Resp: 6039
 Ion Ratio Lower Upper
 180 100
 182 90.1 77.4 116.2
 145 33.8 28.4 42.6



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: 2.962 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW007306.D

Acq: 07 Dec 2018 13:14

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.592

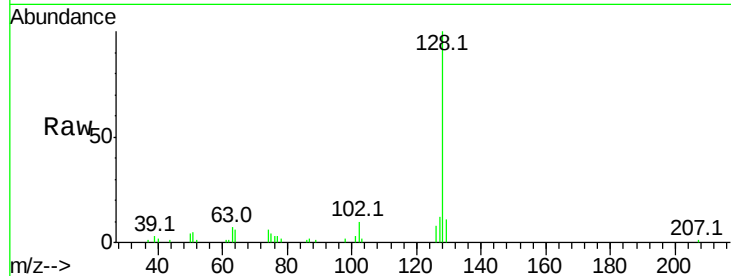
Tgt Ion:128 Resp: 15175

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

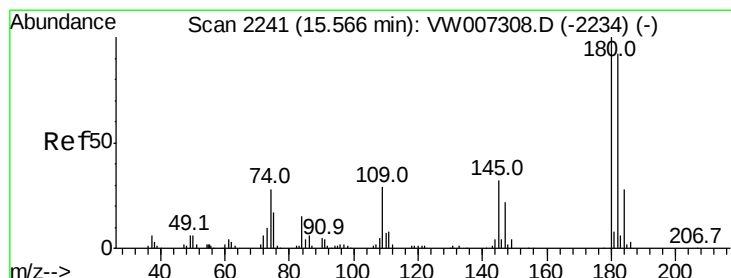
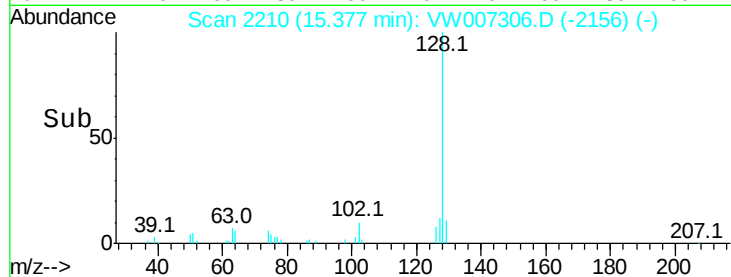
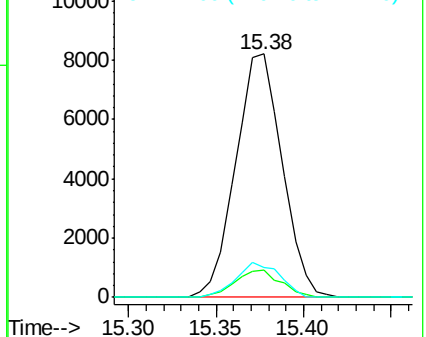
127 13.5 10.7 16.1



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: 2.645 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW007306.D

Acq: 07 Dec 2018 13:14

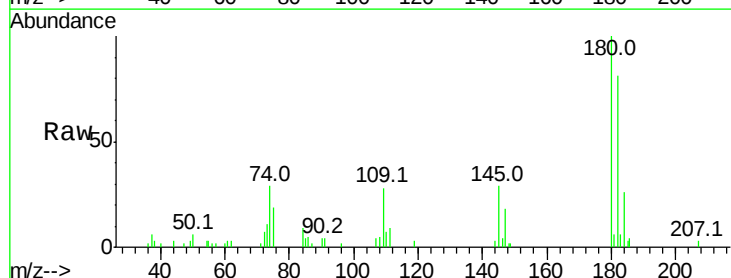
Tgt Ion:180 Resp: 5552

Ion Ratio Lower Upper

180 100

182 89.2 76.2 114.4

145 36.8 27.4 41.0



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

