

Data File : VW007143.D
Acq On : 30 Nov 2018 14:43
Operator : SY/AP
Sample : VSTD2.586
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.586

Quant Time: Nov 30 15:08:51 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM113018S.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 30 14:38:38 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	153528	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	150323	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	75853	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	3951	3.07	ug/L	0.00
7) Chloroethane-d5	2.89	69	2669	2.83	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	9247	2.66	ug/L	0.00
20) 2-Butanone-d5	7.09	46	3092	4.94	ug/L	0.00
24) Chloroform-d	7.65	84	8432	2.54	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	5210	2.69	ug/L	0.00
29) Benzene-d6	8.28	84	18095	2.50	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	5324	2.55	ug/L	0.00
37) Toluene-d8	10.33	98	20390	2.72	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	2467	2.38	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	2268	3.94	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	4854	2.31	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	8324	2.93	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	6981	2.377 ug/L	93
3) Chloromethane	2.22	50	4731	2.257 ug/L	94
5) Vinyl chloride	2.36	62	4362	2.379 ug/L	98
6) Bromomethane	2.77	94	2527	2.442 ug/L	97
8) Chloroethane	2.92	64	2650	2.849 ug/L	88
9) Trichlorofluoromethane	3.27	101	8162	2.386 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	4803	2.378 ug/L #	90
12) 1,1-Dichloroethene	4.04	96	4163	2.285 ug/L	85
13) Acetone	4.14	43	2731	5.789 ug/L	96
14) Carbon disulfide	4.39	76	13846	2.164 ug/L	98
15) Methyl Acetate	4.68	43	2145	1.857 ug/L #	81
16) Methylene chloride	4.92	84	7957	3.202 ug/L	96
17) Methyl tert-butyl Ether	5.43	73	10480	2.166 ug/L #	65
18) trans-1,2-Dichloroethene	5.43	96	4668	2.316 ug/L	92
19) 1,1-Dichloroethane	6.23	63	7258	2.171 ug/L	97
21) 2-Butanone	7.18	43	3500	5.083 ug/L	89
22) cis-1,2-Dichloroethene	7.18	96	4918	2.315 ug/L	94
23) Bromochloromethane	7.52	128	1414	1.502 ug/L	92
25) Chloroform	7.68	83	8476	2.375 ug/L	99
27) 1,2-Dichloroethane	8.41	62	5494	2.276 ug/L	97
30) Cyclohexane	7.96	56	7634	2.233 ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	7177	2.181 ug/L	98
32) Carbon tetrachloride	8.08	117	6563	2.243 ug/L	96
34) Benzene	8.33	78	17732	2.175 ug/L	100
35) Trichloroethene	9.10	95	4972	2.253 ug/L	95
36) Methylcyclohexane	9.34	83	9329	2.313 ug/L	98
40) 1,2-Dichloropropane	9.37	63	4312	2.171 ug/L #	97
41) Bromodichloromethane	9.65	83	5652	2.214 ug/L	96
42) cis-1,3-Dichloropropene	10.07	75	6438	2.043 ug/L	93
43) 4-Methyl-2-pentanone	10.21	43	6974	4.232 ug/L	98

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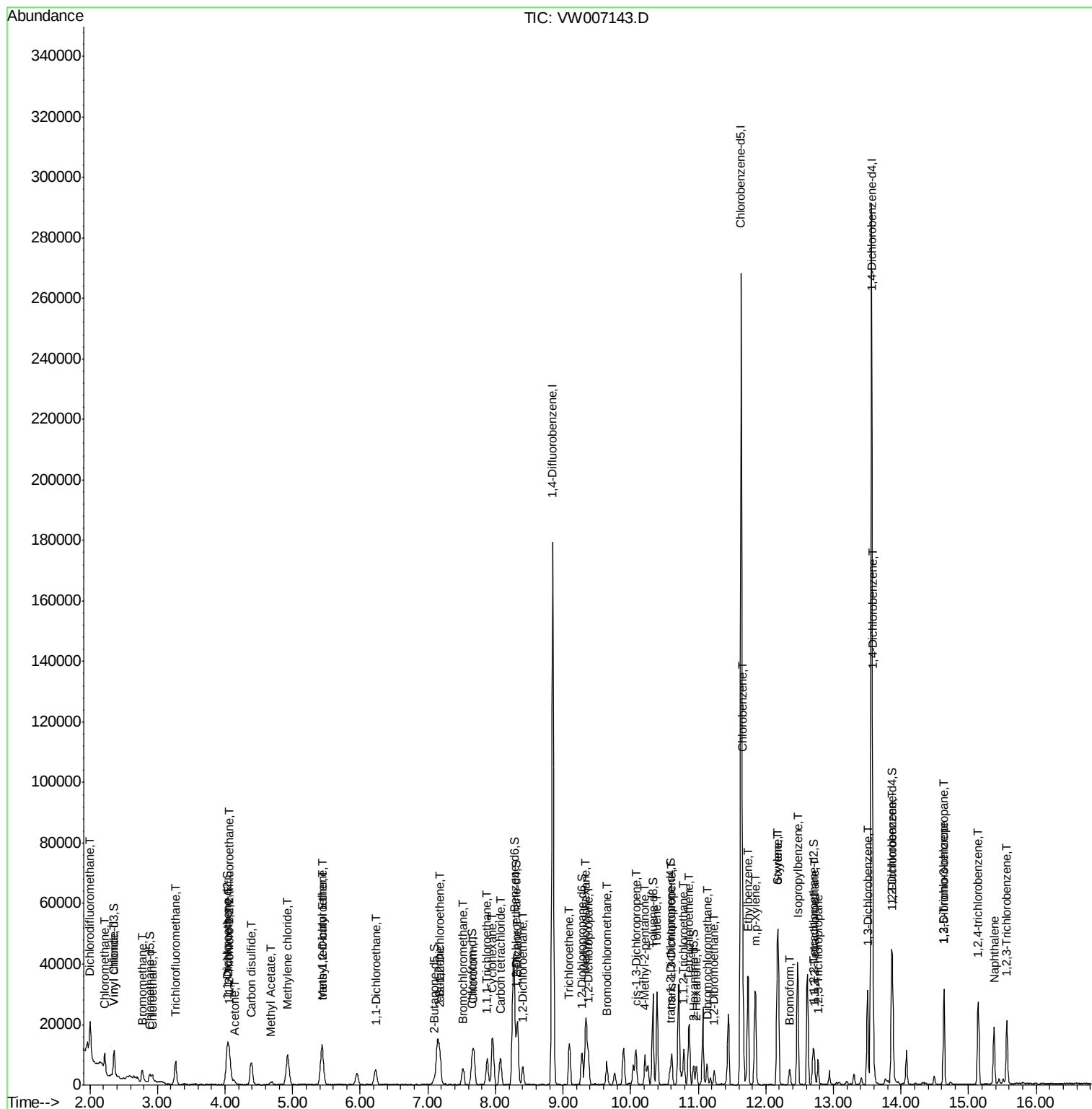
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	22140	2.302	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	5713	2.039	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	3509	2.214	ug/L	93
47) Tetrachloroethene	10.87	164	4443	2.350	ug/L	94
49) 2-Hexanone	10.97	43	4253	3.770	ug/L	98
50) Dibromochloromethane	11.13	129	3850	1.976	ug/L	95
51) 1,2-Dibromoethane	11.24	107	3377	2.047	ug/L	96
52) Chlorobenzene	11.66	112	15205	2.405	ug/L	97
53) Ethylbenzene	11.74	91	25820	2.308	ug/L	97
54) m,p-Xylene	11.85	106	10246	2.363	ug/L	98
55) o-xylene	12.17	106	9604	2.359	ug/L	96
56) Styrene	12.18	104	15272	2.237	ug/L	98
57) Isopropylbenzene	12.47	105	26065	2.346	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	4284	1.980	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	3341	1.979	ug/L	94
62) Bromoform	12.35	173	2332	2.060	ug/L #	95
63) 1,3-Dichlorobenzene	13.51	146	12674	2.490	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	12931	2.519	ug/L	99
65) 1,2-Dichlorobenzene	13.88	146	11588	2.455	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.63	75	1786	3.959	ug/L #	3
67) 1,3,5-Trichlorobenzene	14.63	180	9639	2.535	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	8384	2.631	ug/L	99
69) Naphthalene	15.38	128	16270	2.146	ug/L	98
70) 1,2,3-Trichlorobenzene	15.57	180	7163	2.474	ug/L	97

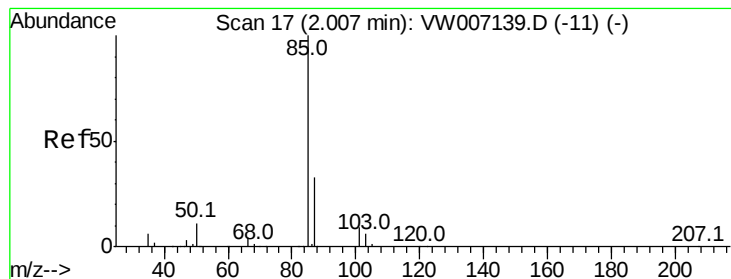
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.377 ug/L

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW007143.D

Acq: 30 Nov 2018 14:43

Instrument :

MSVOA_W

ClientSampleId :

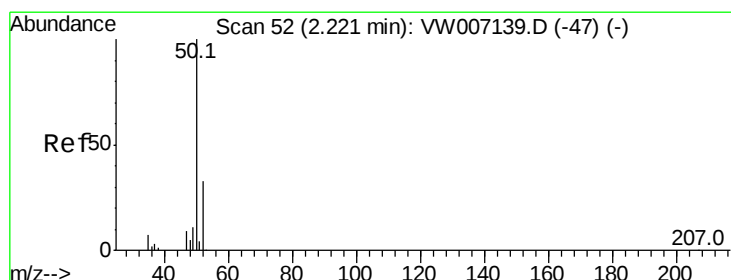
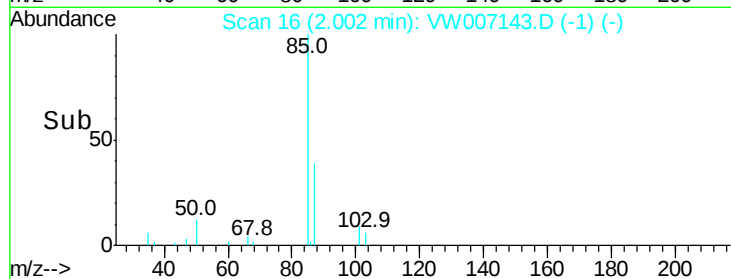
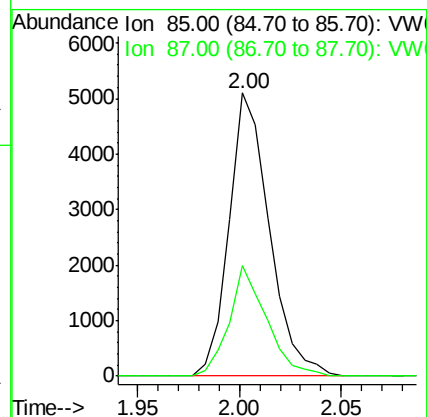
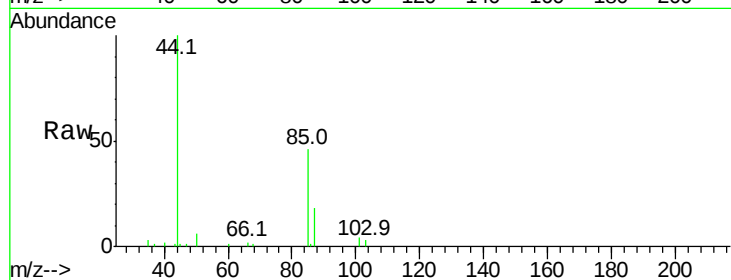
VSTD2.586

Tgt Ion: 85 Resp: 6981

Ion Ratio Lower Upper

85 100

87 36.0 22.5 41.9



#3

Chloromethane

Concen: 2.257 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW007143.D

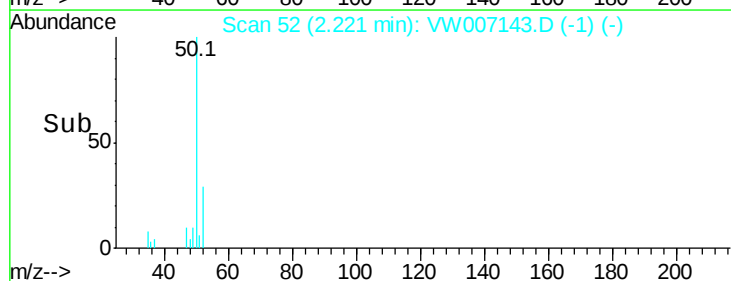
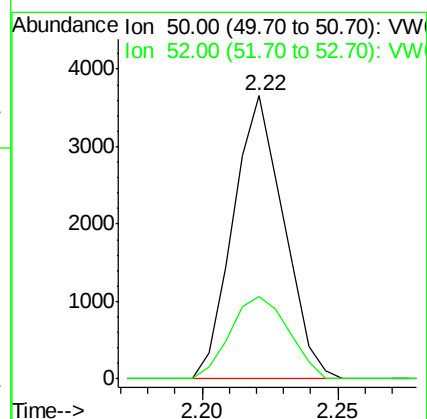
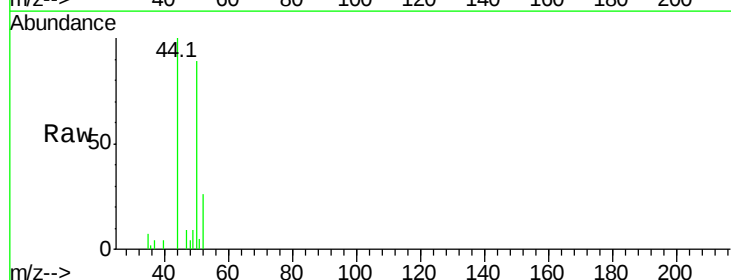
Acq: 30 Nov 2018 14:43

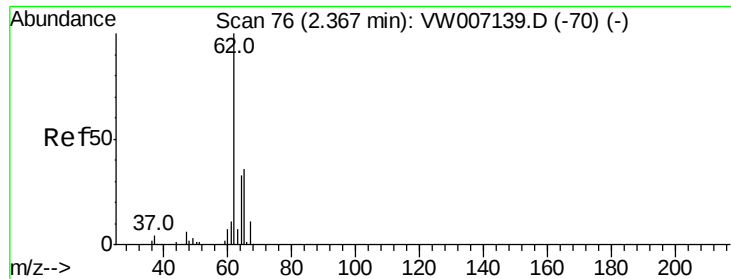
Tgt Ion: 50 Resp: 4731

Ion Ratio Lower Upper

50 100

52 29.2 23.0 42.6





#5

Vinyl chloride

Concen: 2.379 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW007143.D

Acq: 30 Nov 2018 14:43

Instrument :

MSVOA_W

ClientSampleId :

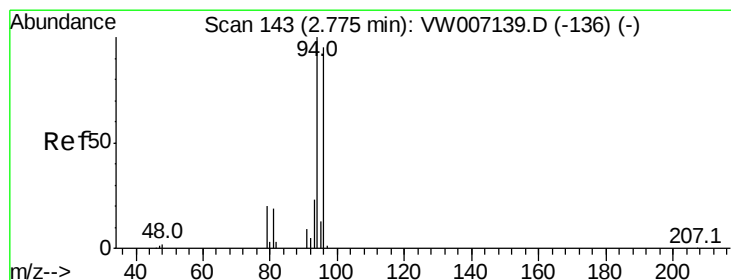
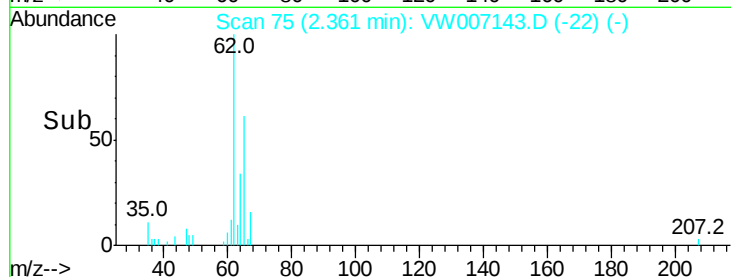
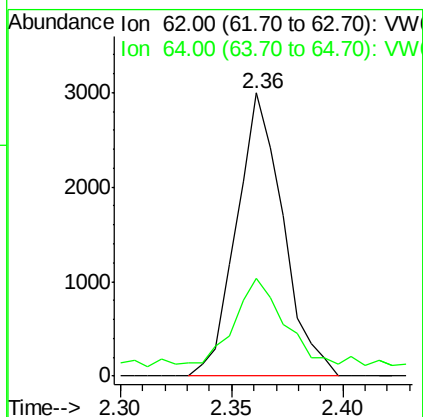
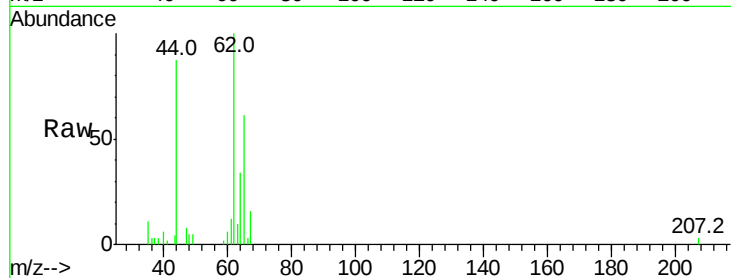
VSTD2.586

Tgt Ion: 62 Resp: 4362

Ion Ratio Lower Upper

62 100

64 34.5 23.5 43.7



#6

Bromomethane

Concen: 2.442 ug/L

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW007143.D

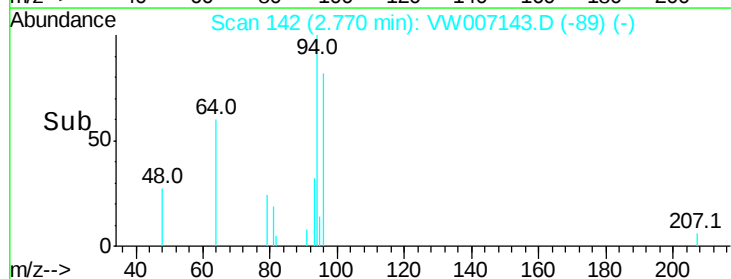
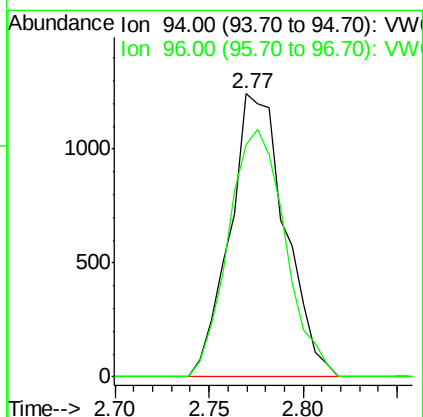
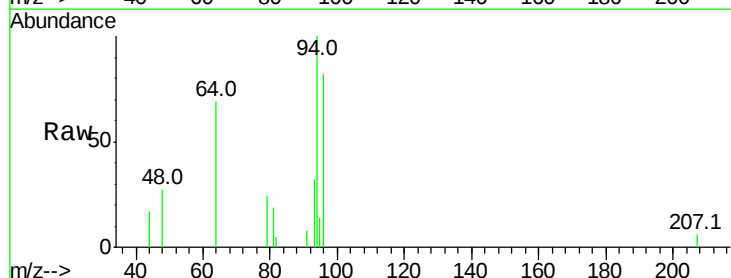
Acq: 30 Nov 2018 14:43

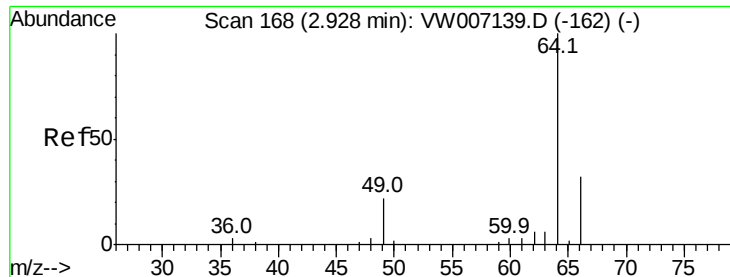
Tgt Ion: 94 Resp: 2527

Ion Ratio Lower Upper

94 100

96 90.1 9.3 176.7





#8

Chloroethane

Concen: 2.849 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW007143.D

Acq: 30 Nov 2018 14:43

Instrument :

MSVOA_W

ClientSampleId :

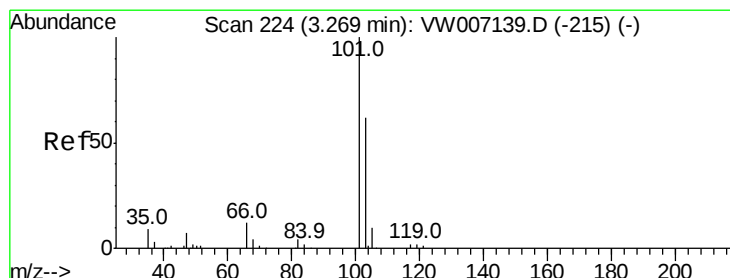
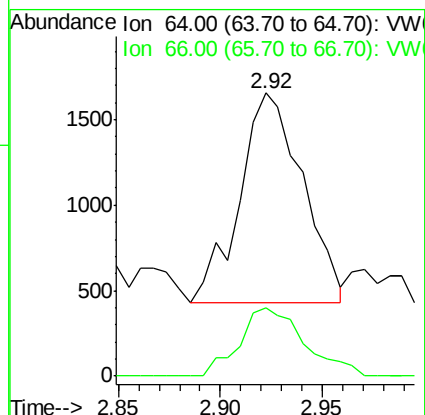
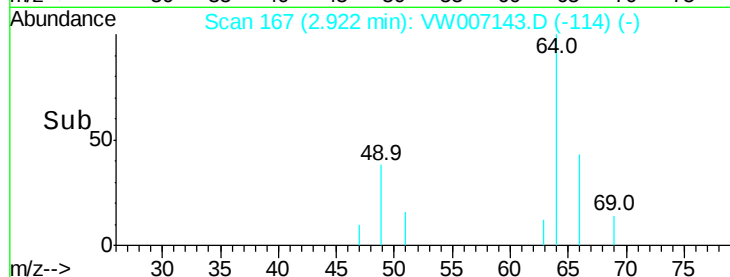
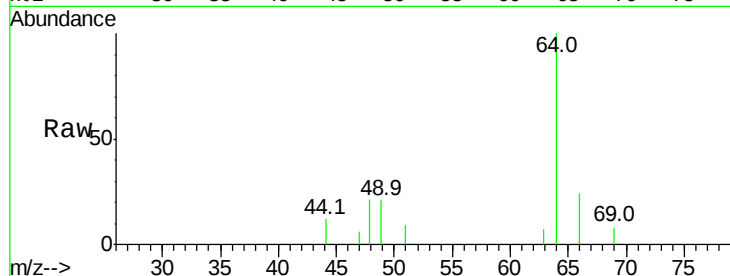
VSTD2.586

Tgt Ion: 64 Resp: 2650

Ion Ratio Lower Upper

64 100

66 24.1 21.4 39.8



#9

Trichlorofluoromethane

Concen: 2.386 ug/L

RT: 3.27 min Scan# 224

Delta R.T. 0.00 min

Lab File: VW007143.D

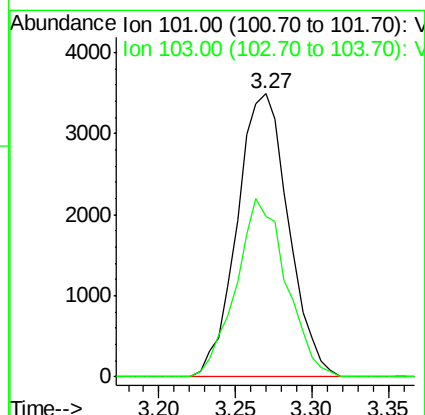
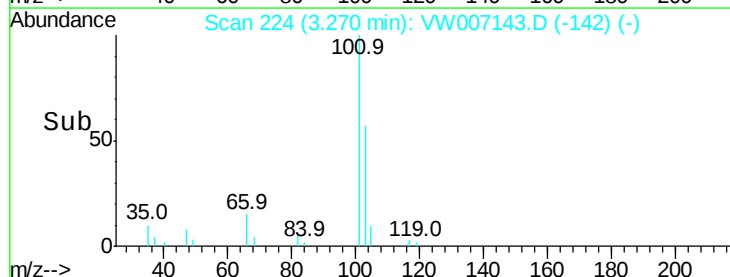
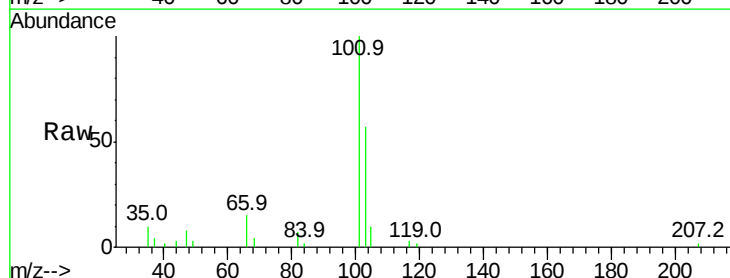
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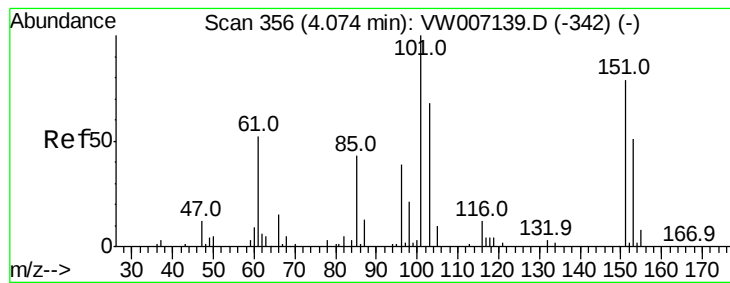
Tgt Ion: 101 Resp: 8162

Ion Ratio Lower Upper

101 100

103 61.3 44.4 82.4





#11

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

Concen: 2.378 ug/L

RT: 4.07 min Scan# 355

Delta R.T. -0.01 min

Lab File: VW007143.D

Acq: 30 Nov 2018 14:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.586

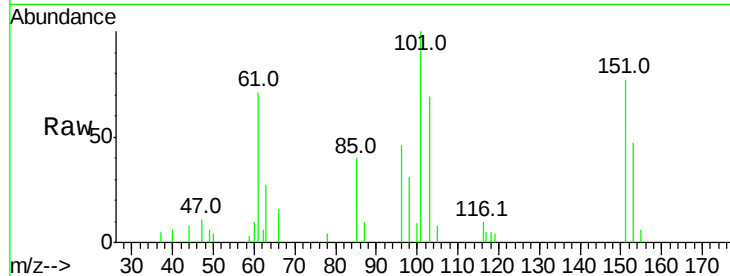
Tgt Ion: 101 Resp: 4803

Ion Ratio Lower Upper

101 100

85 25.4 34.8 52.2#

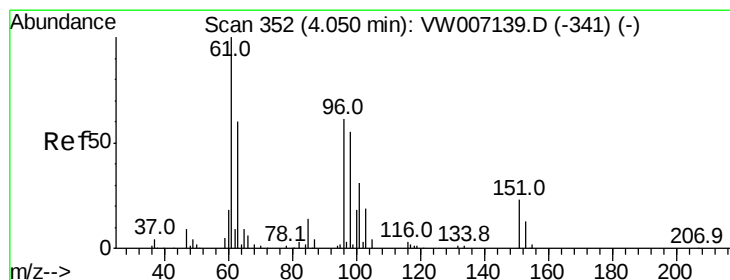
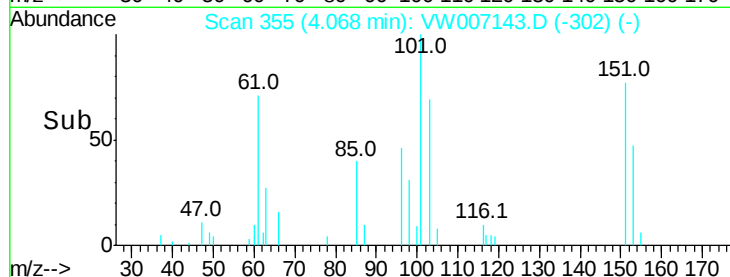
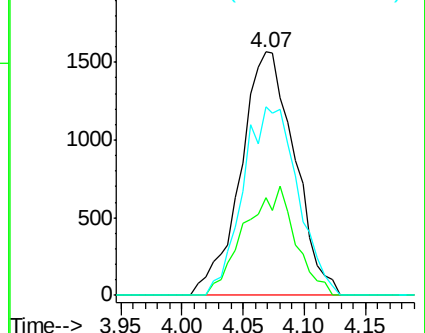
151 78.4 62.8 94.2



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: 2.285 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW007143.D

Acq: 30 Nov 2018 14:43

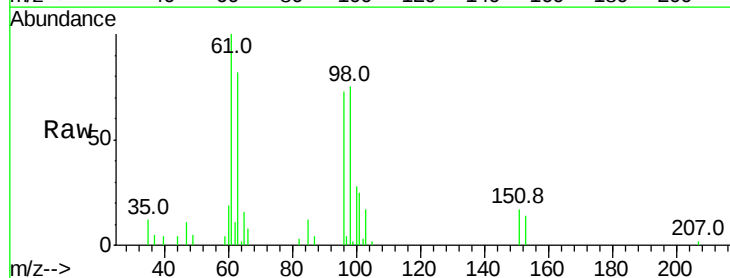
Tgt Ion: 96 Resp: 4163

Ion Ratio Lower Upper

96 100

61 137.4 114.9 213.5

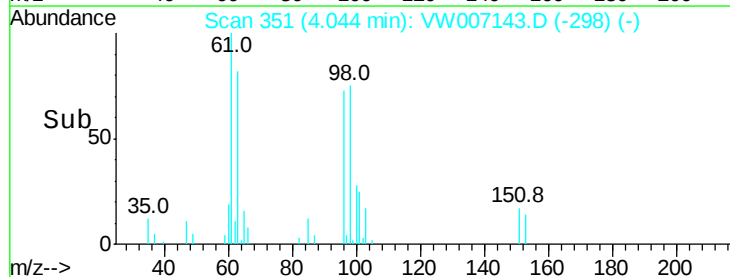
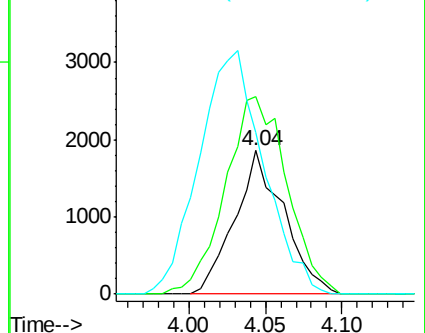
63 112.4 73.1 135.7

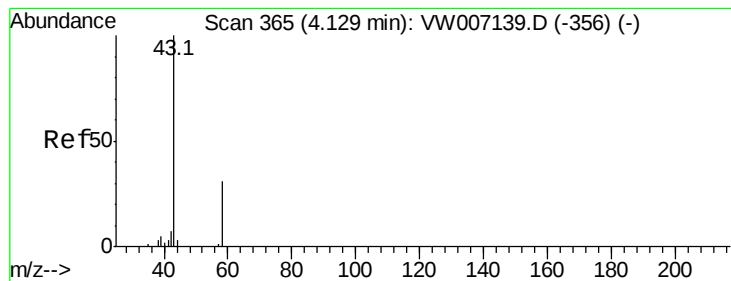


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 5.789 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

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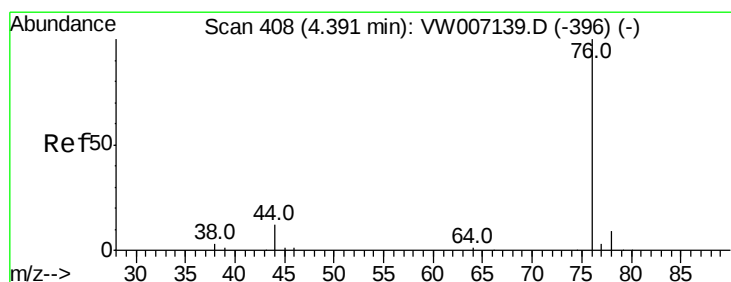
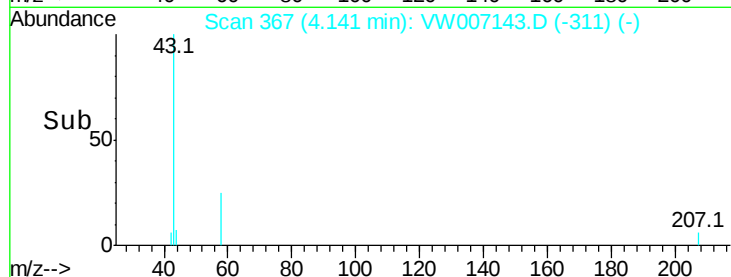
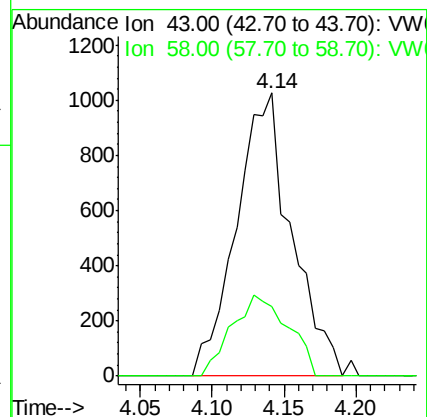
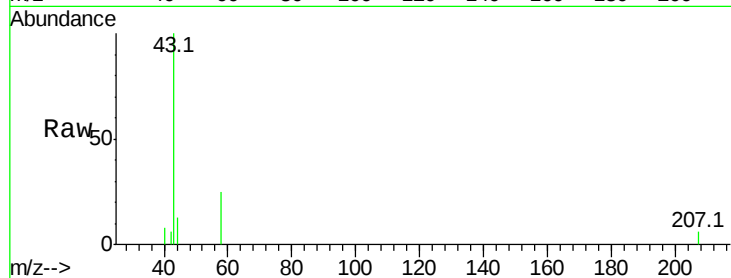
VSTD2.586

Tgt Ion: 43 Resp: 2731

Ion Ratio Lower Upper

43 100

58 29.1 0.0 62.4



#14

Carbon disulfide

Concen: 2.164 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.00 min

Lab File: VW007143.D

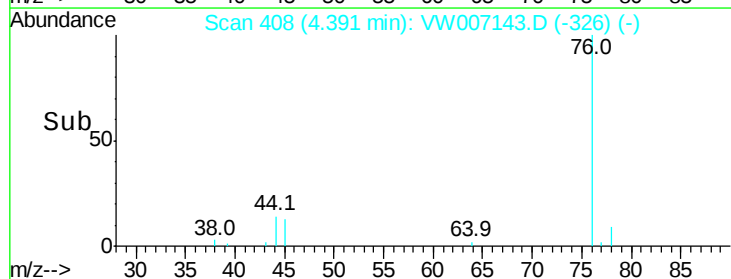
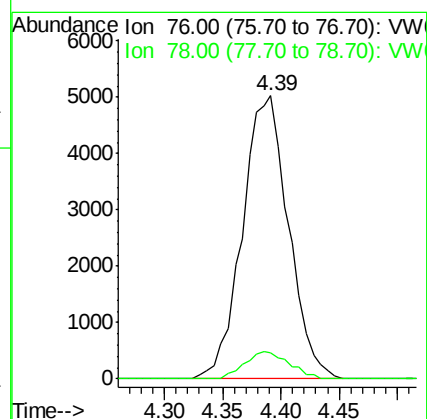
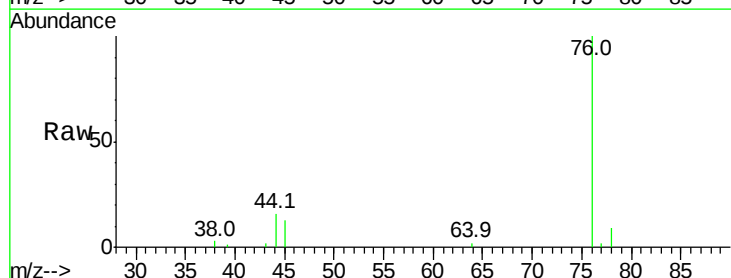
Acq: 30 Nov 2018 14:43

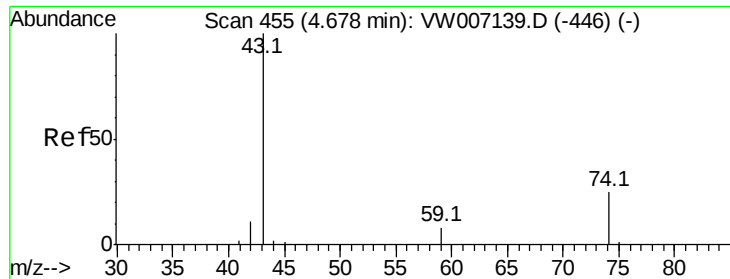
Tgt Ion: 76 Resp: 13846

Ion Ratio Lower Upper

76 100

78 9.3 6.9 10.3

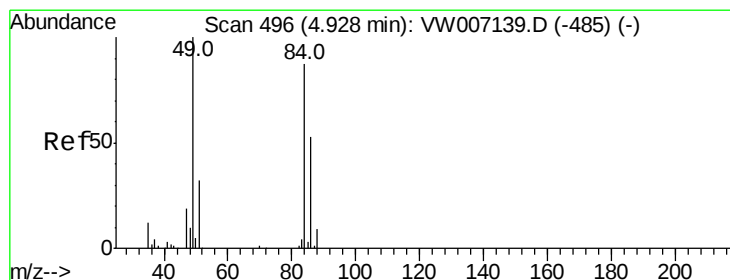
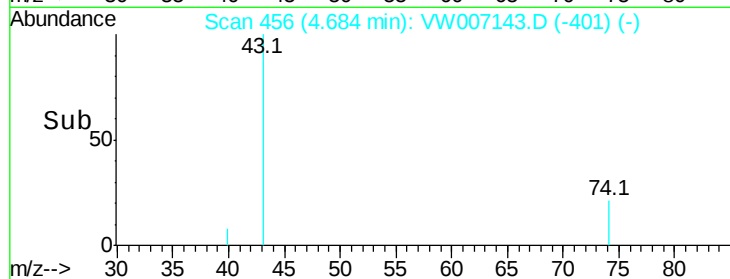
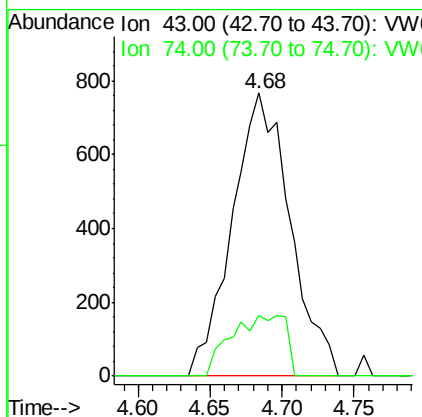
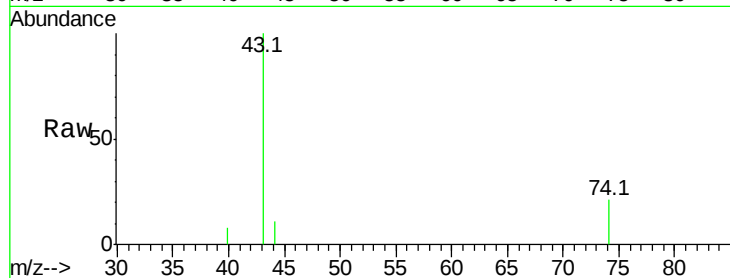




#15
Methyl Acetate
Concen: 1.857 ug/L
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW007143.D
Acq: 30 Nov 2018 14:43

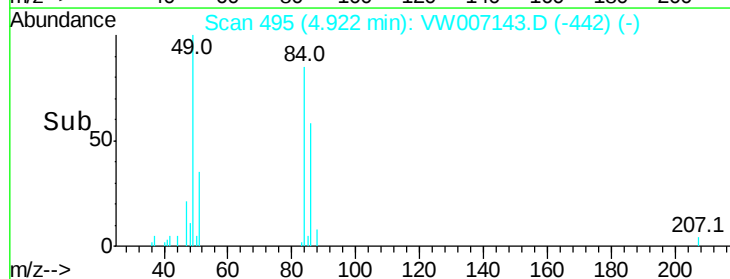
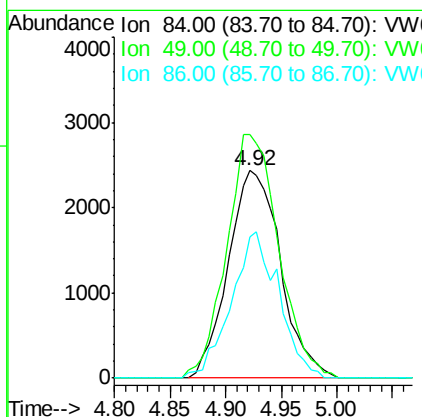
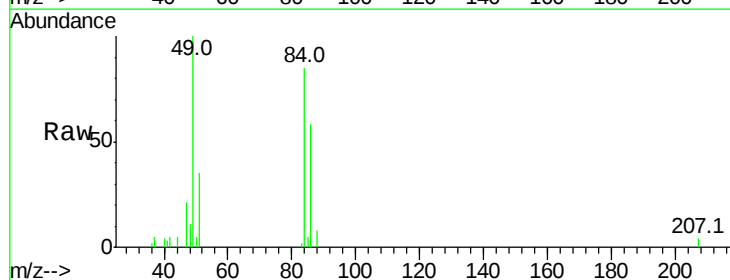
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.586

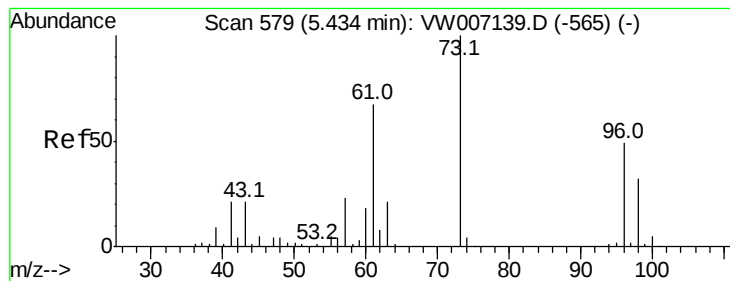
Tgt Ion: 43 Resp: 2145
Ion Ratio Lower Upper
43 100
74 14.7 19.3 28.9#



#16
Methylene chloride
Concen: 3.202 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.01 min
Lab File: VW007143.D
Acq: 30 Nov 2018 14:43

Tgt Ion: 84 Resp: 7957
Ion Ratio Lower Upper
84 100
49 117.2 80.9 150.3
86 67.8 42.8 79.6





#17

Methyl tert-butyl Ether

Concen: 2.166 ug/L

RT: 5.43 min Scan# 579

Delta R.T. 0.00 min

Lab File: VW007143.D

Acq: 30 Nov 2018 14:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.586

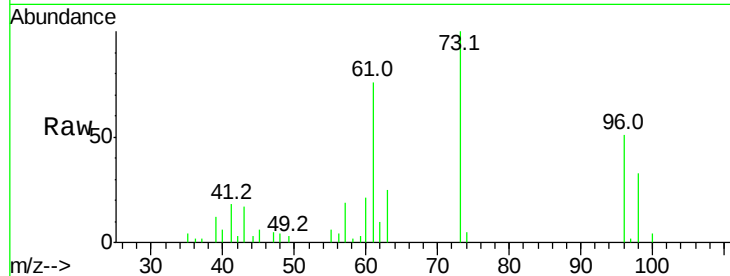
Tgt Ion: 73 Resp: 10480

Ion Ratio Lower Upper

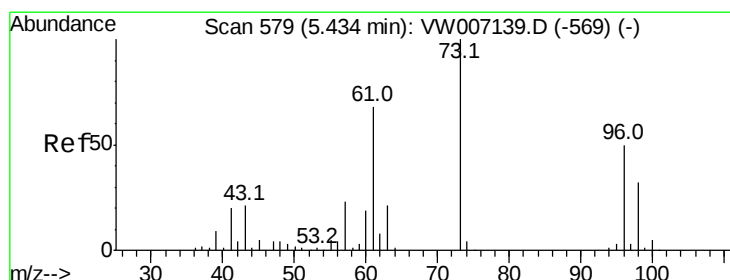
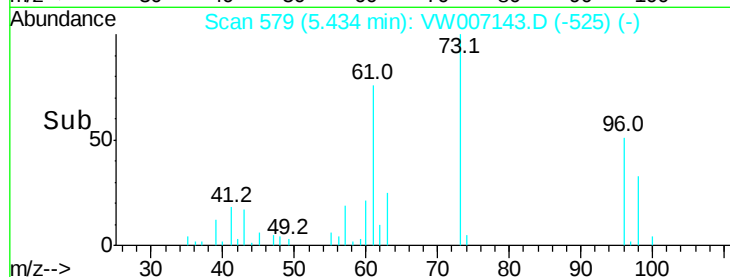
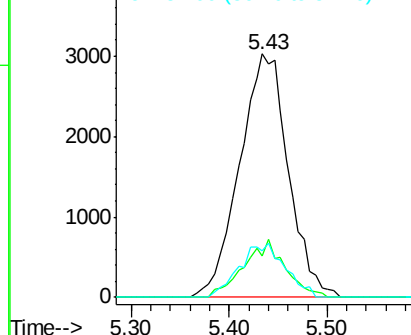
73 100

43 9.8 16.3 24.5#

57 0.0 17.4 26.0#



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: 2.316 ug/L

RT: 5.43 min Scan# 579

Delta R.T. 0.00 min

Lab File: VW007143.D

Acq: 30 Nov 2018 14:43

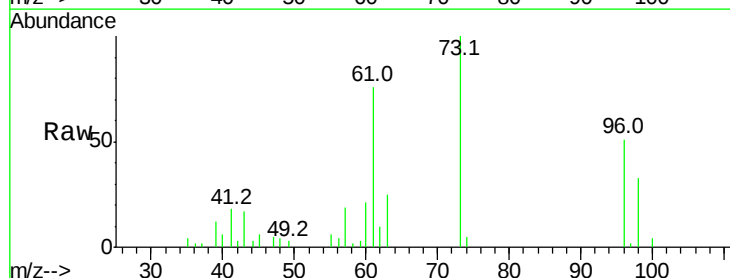
Tgt Ion: 96 Resp: 4668

Ion Ratio Lower Upper

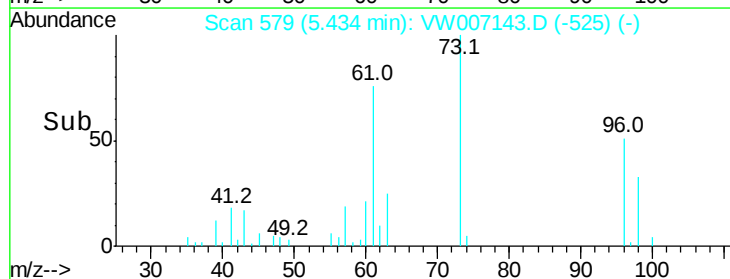
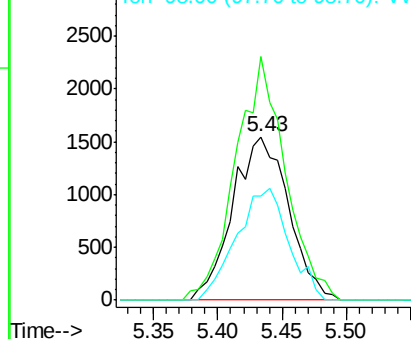
96 100

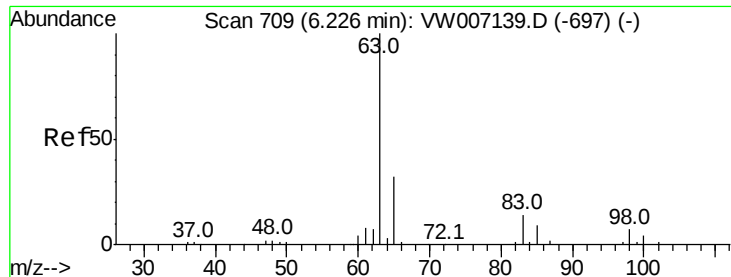
61 149.1 94.8 176.2

98 63.8 44.9 83.5



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

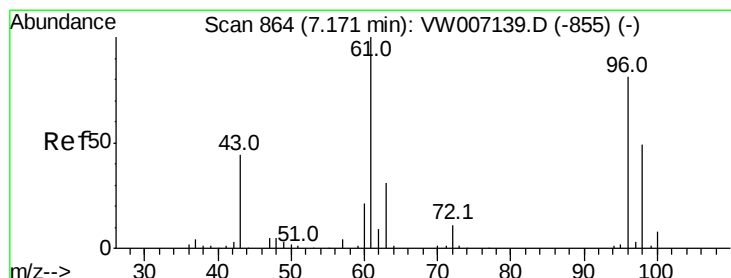
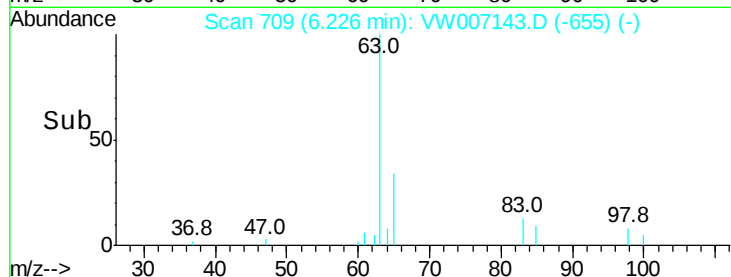
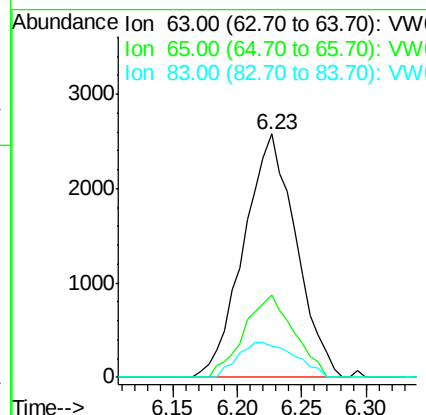
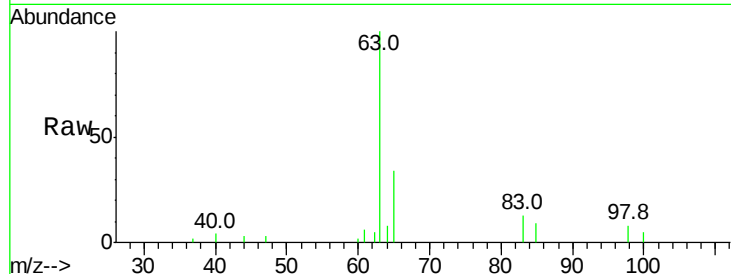




#19
 1,1-Dichloroethane
 Concen: 2.171 ug/L
 RT: 6.23 min Scan# 709
 Delta R.T. 0.00 min
 Lab File: VW007143.D
 Acq: 30 Nov 2018 14:43

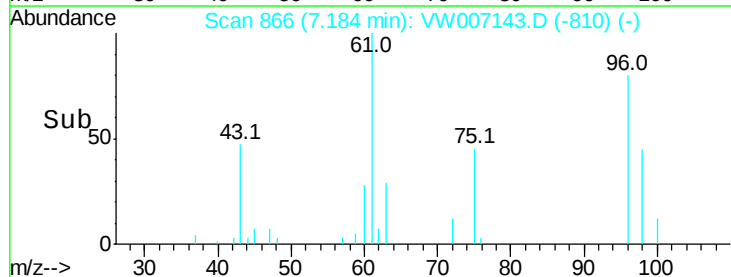
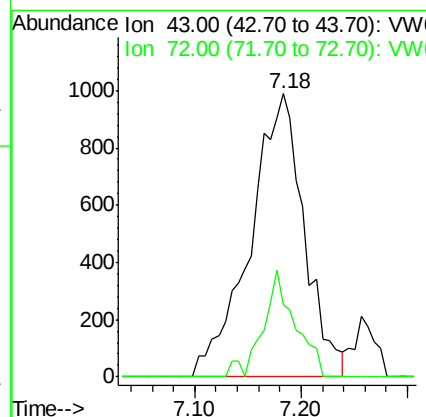
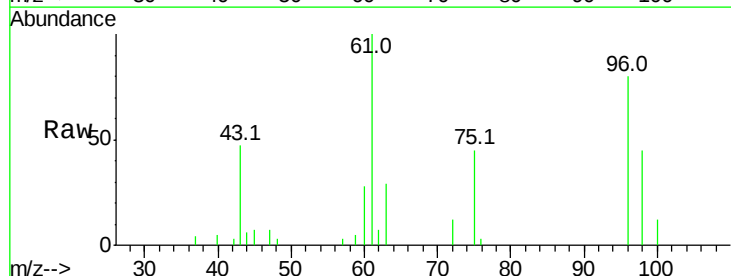
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.586

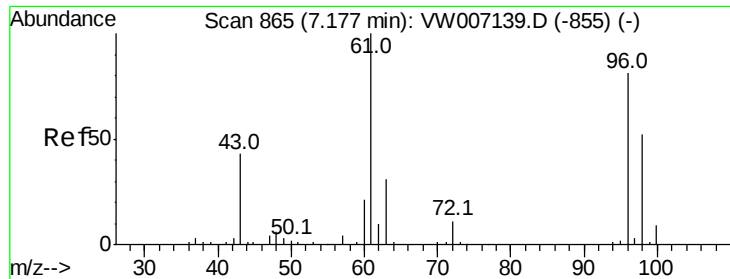
Tgt Ion: 63 Resp: 7258
 Ion Ratio Lower Upper
 63 100
 65 33.8 22.4 41.6
 83 13.0 9.7 17.9



#21
 2-Butanone
 Concen: 5.083 ug/L
 RT: 7.18 min Scan# 866
 Delta R.T. 0.01 min
 Lab File: VW007143.D
 Acq: 30 Nov 2018 14:43

Tgt Ion: 43 Resp: 3500
 Ion Ratio Lower Upper
 43 100
 72 21.3 13.5 40.5



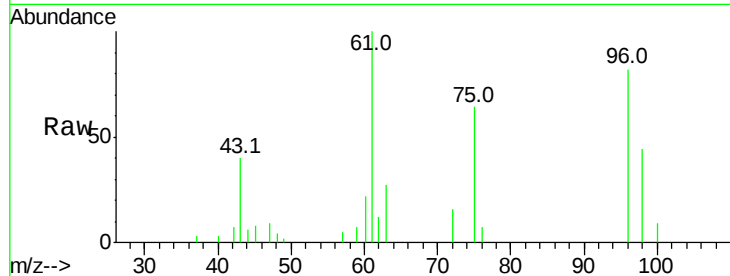


#22

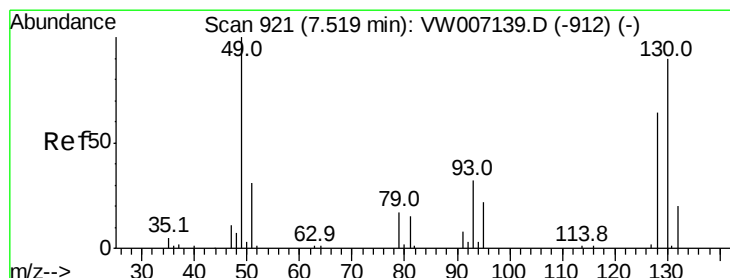
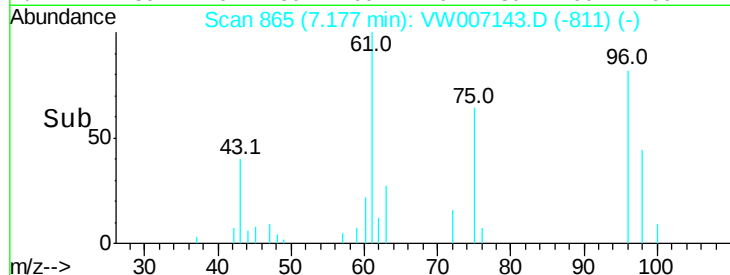
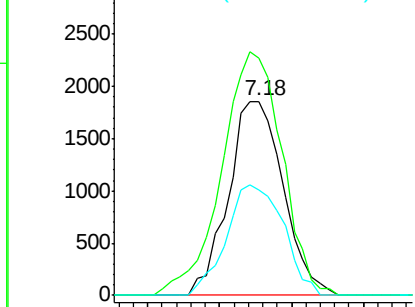
cis-1,2-Dichloroethene
Concen: 2.315 ug/L
RT: 7.18 min Scan# 865
Delta R.T. 0.00 min
Lab File: VW007143.D
Acq: 30 Nov 2018 14:43

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.586

Tgt Ion: 96 Resp: 4918
Ion Ratio Lower Upper
96 100
61 122.3 87.3 162.1
98 54.1 45.2 84.0



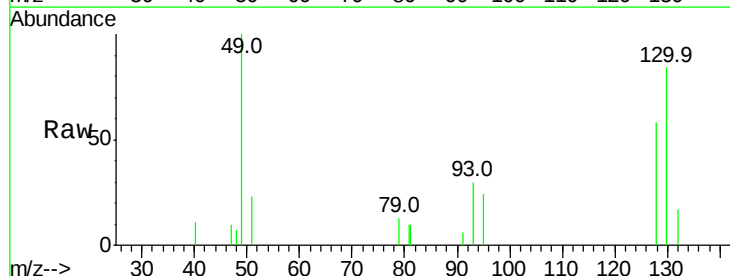
Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW



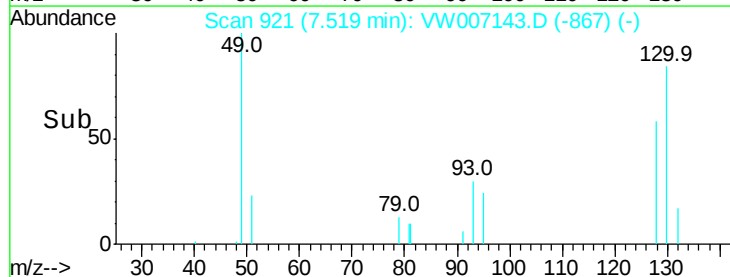
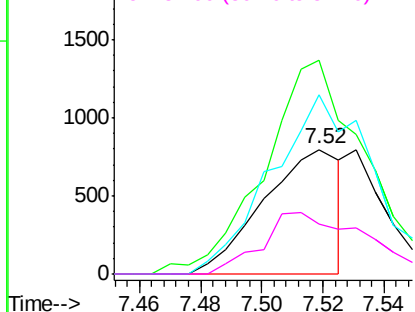
#23

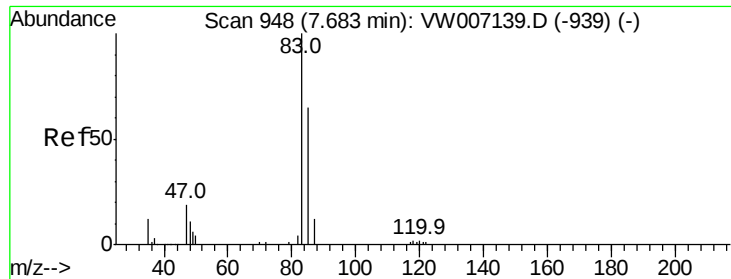
Bromochloromethane
Concen: 1.502 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.00 min
Lab File: VW007143.D
Acq: 30 Nov 2018 14:43

Tgt Ion: 128 Resp: 1414
Ion Ratio Lower Upper
128 100
49 171.6 109.9 204.1
130 144.4 98.2 182.4
51 39.9 39.0 58.4



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: 2.375 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.01 min

Lab File: VW007143.D

Acq: 30 Nov 2018 14:43

Instrument :

MSVOA_W

ClientSampleId :

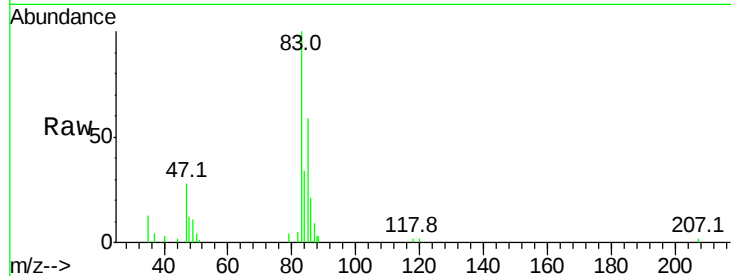
VSTD2.586

Tgt Ion: 83 Resp: 8476

Ion Ratio Lower Upper

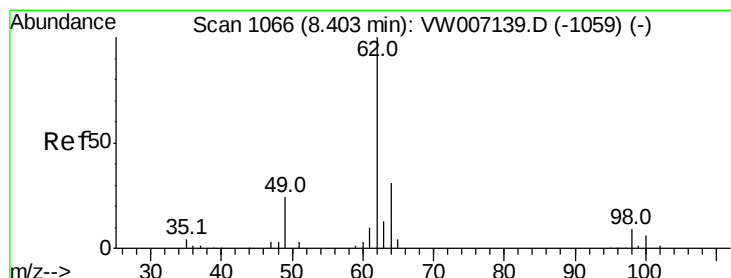
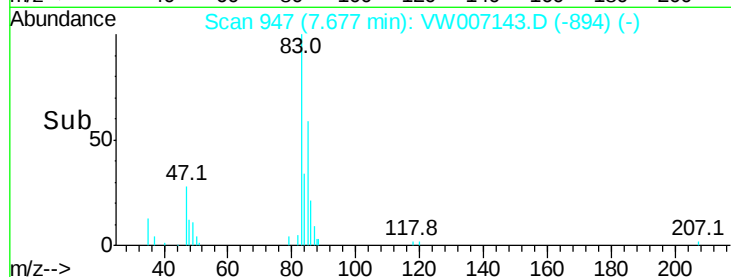
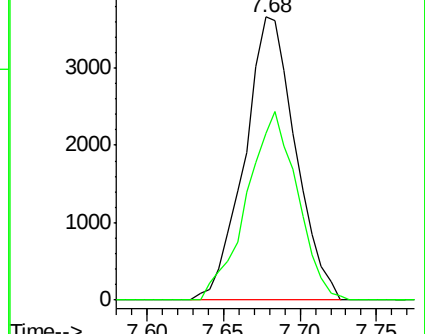
83 100

85 66.5 46.1 85.7



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 2.276 ug/L

RT: 8.41 min Scan# 1067

Delta R.T. 0.01 min

Lab File: VW007143.D

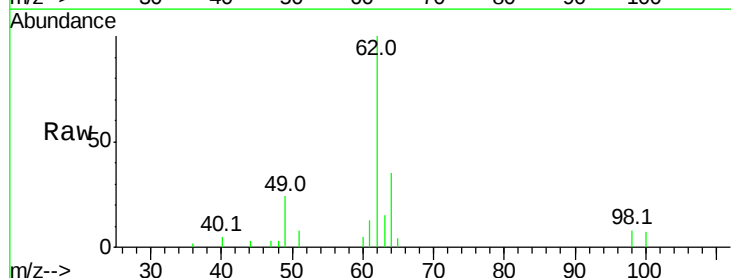
Acq: 30 Nov 2018 14:43

Tgt Ion: 62 Resp: 5494

Ion Ratio Lower Upper

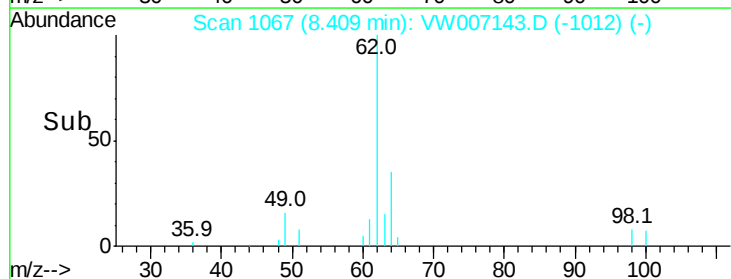
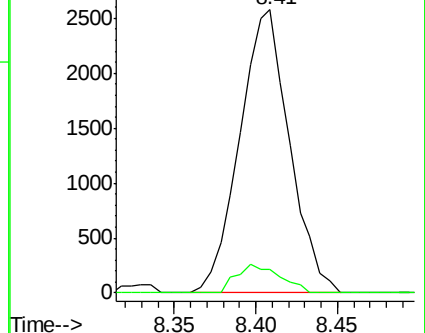
62 100

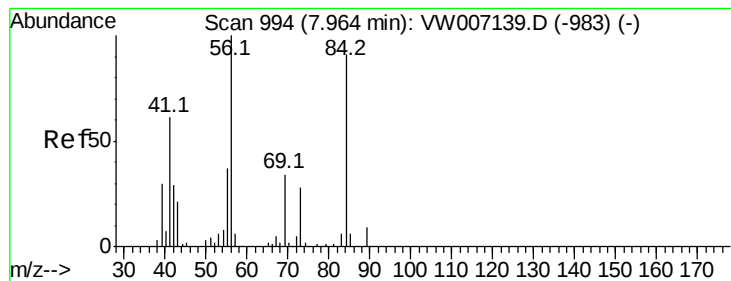
98 8.3 7.4 11.2



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW





#30

Cyclohexane

Concen: 2.233 ug/L

RT: 7.96 min Scan# 994

Delta R.T. 0.00 min

Lab File: VW007143.D

Acq: 30 Nov 2018 14:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.586

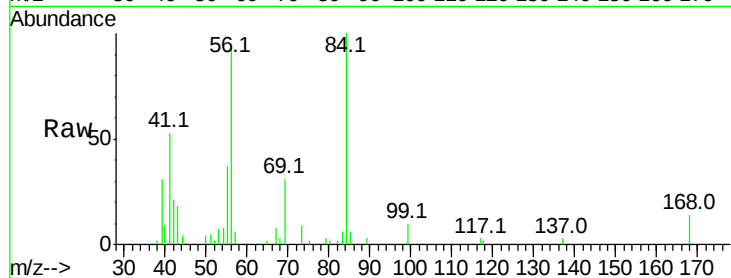
Tgt Ion: 56 Resp: 7634

Ion Ratio Lower Upper

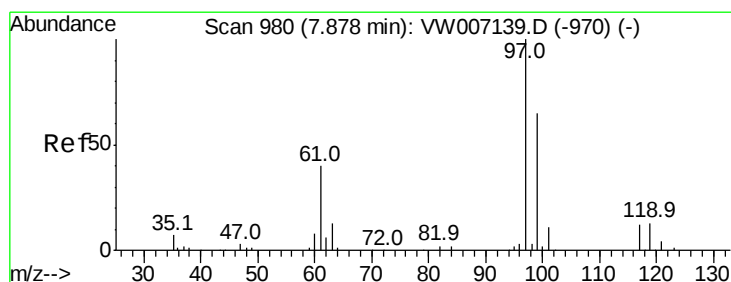
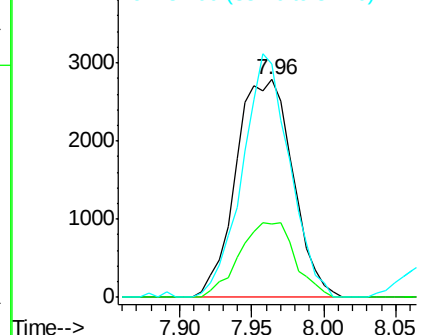
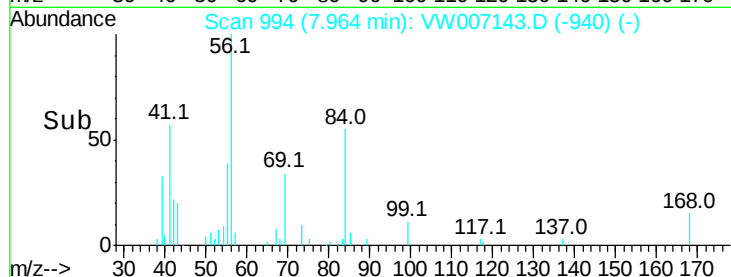
56 100

69 33.5 26.1 39.1

84 92.9 73.0 109.4



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: 2.181 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.01 min

Lab File: VW007143.D

Acq: 30 Nov 2018 14:43

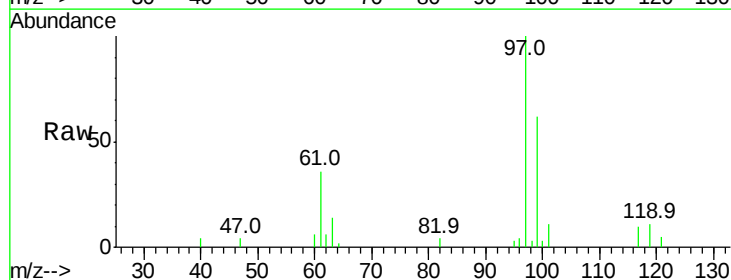
Tgt Ion: 97 Resp: 7177

Ion Ratio Lower Upper

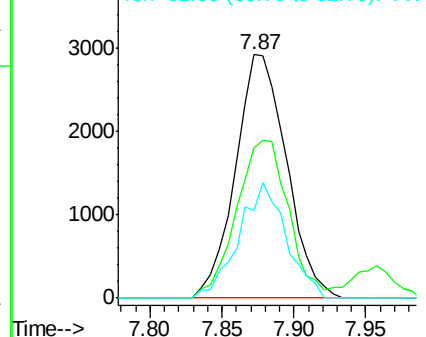
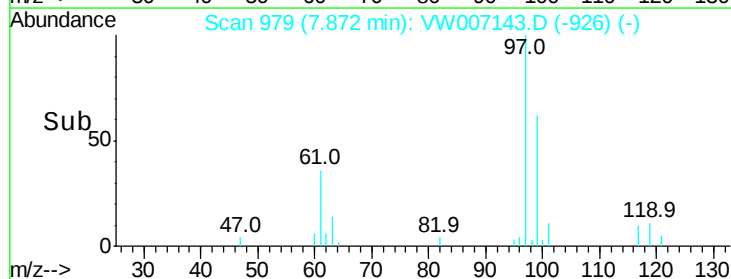
97 100

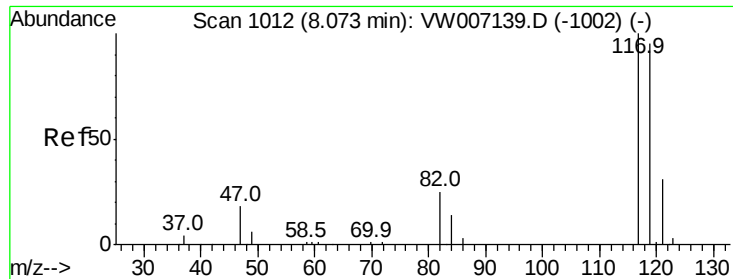
99 65.8 51.9 77.9

61 43.9 33.4 50.0



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





#32

Carbon tetrachloride

Concen: 2.243 ug/L

RT: 8.08 min Scan# 1013

Delta R.T. 0.01 min

Lab File: VW007143.D

Acq: 30 Nov 2018 14:43

Instrument :

MSVOA_W

ClientSampleId :

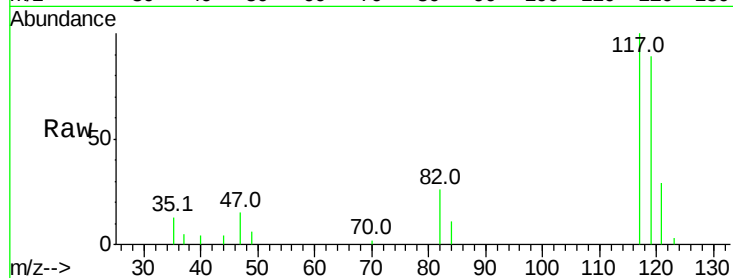
VSTD2.586

Tgt Ion:117 Resp: 6563

Ion Ratio Lower Upper

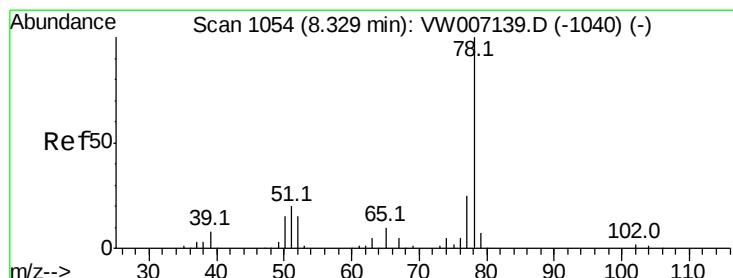
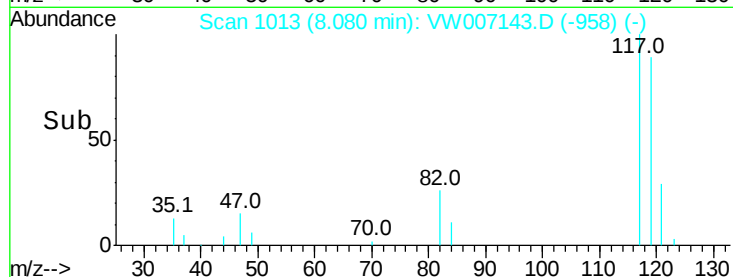
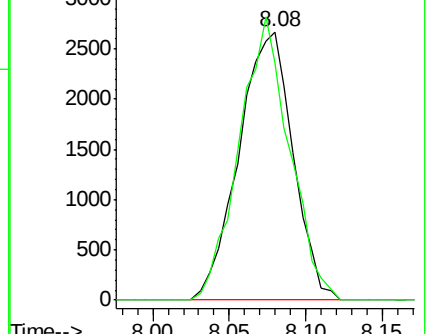
117 100

119 98.2 75.5 113.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 2.175 ug/L

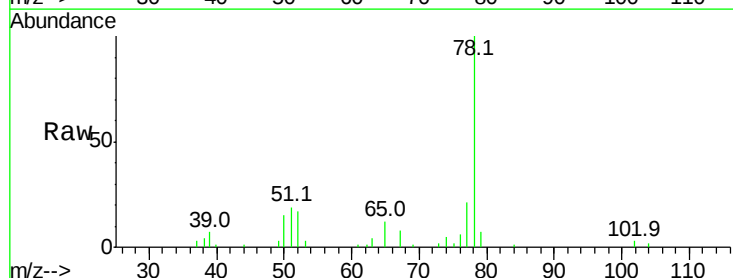
RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

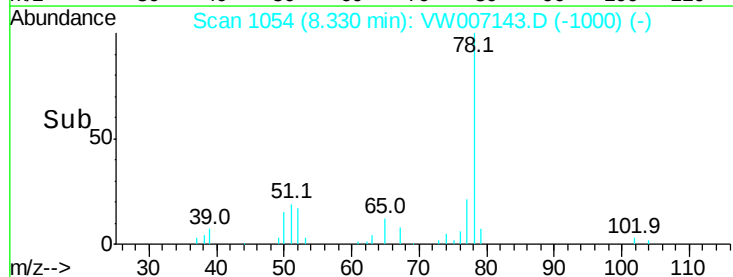
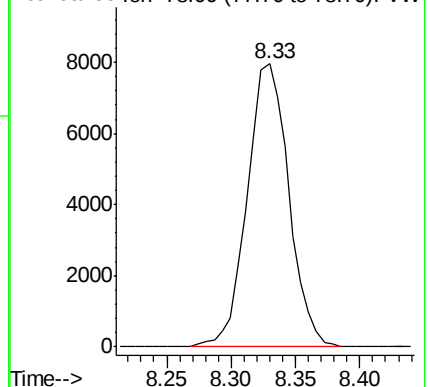
Lab File: VW007143.D

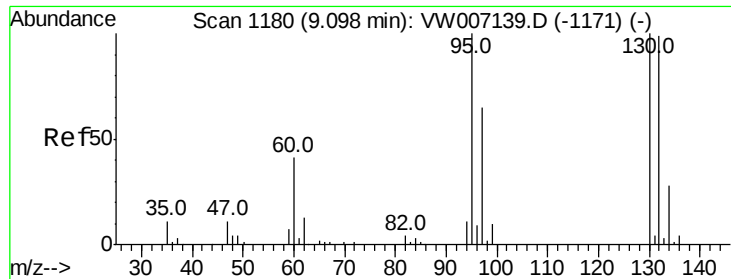
Acq: 30 Nov 2018 14:43

Tgt Ion: 78 Resp: 17732



Abundance Ion 78.00 (77.70 to 78.70): VW

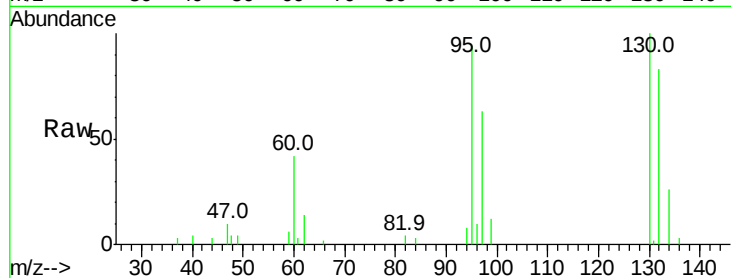




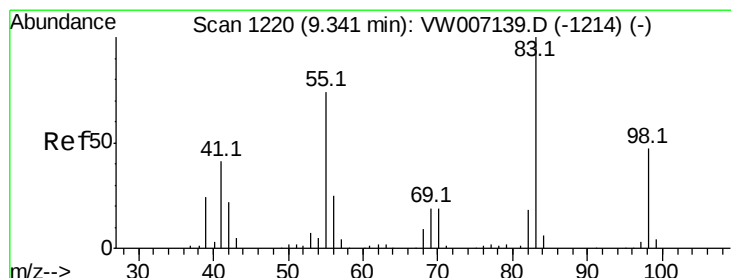
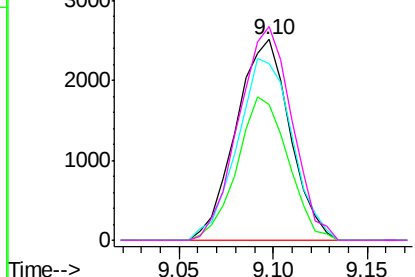
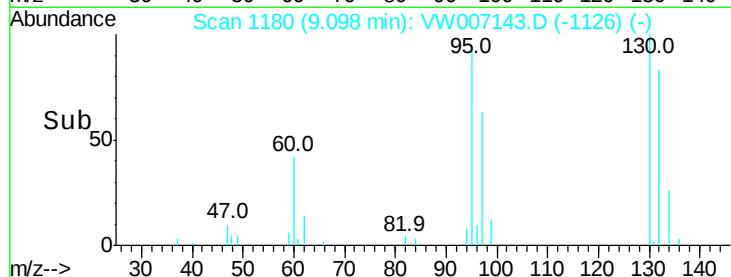
#35
 Trichloroethene
 Concen: 2.253 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VW007143.D
 Acq: 30 Nov 2018 14:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.586

Tgt Ion: 95 Resp: 4972
 Ion Ratio Lower Upper
 95 100
 97 67.7 44.7 83.1
 132 92.6 68.2 126.6
 130 105.5 70.9 131.7

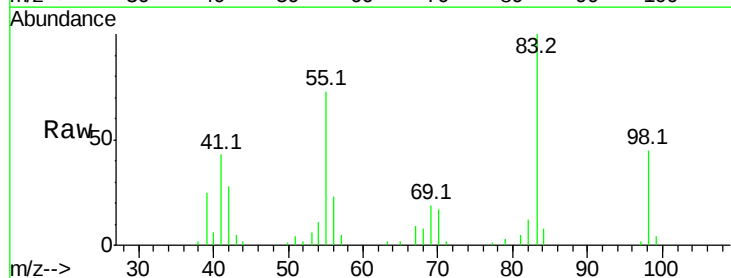


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

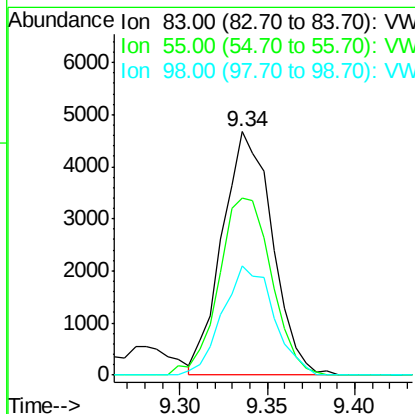
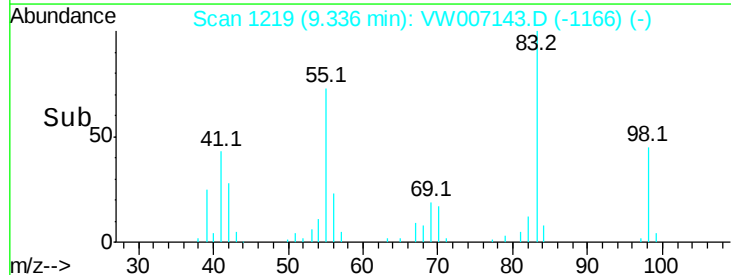


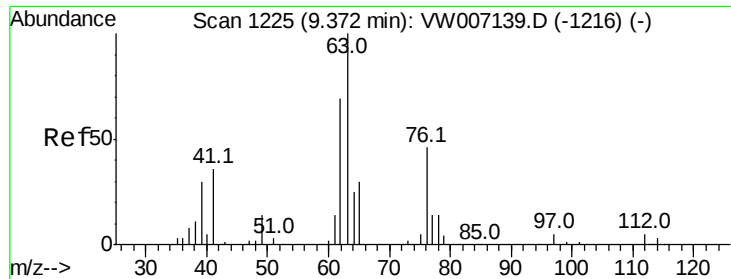
#36
 Methylcyclohexane
 Concen: 2.313 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: VW007143.D
 Acq: 30 Nov 2018 14:43

Tgt Ion: 83 Resp: 9329
 Ion Ratio Lower Upper
 83 100
 55 76.3 60.2 90.4
 98 45.7 38.8 58.2



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW

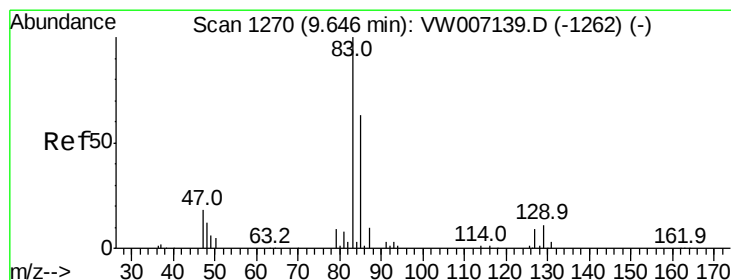
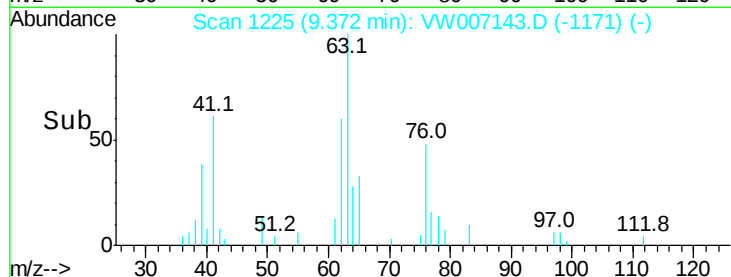
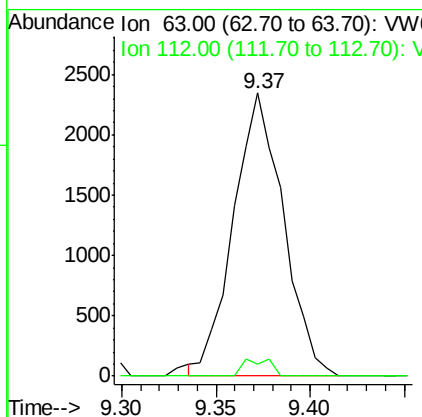
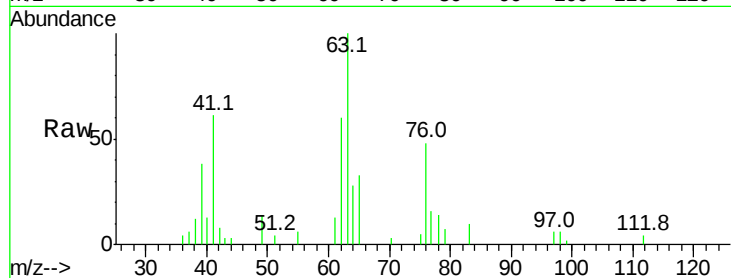




#40
 1,2-Dichloropropane
 Concen: 2.171 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW007143.D
 Acq: 30 Nov 2018 14:43

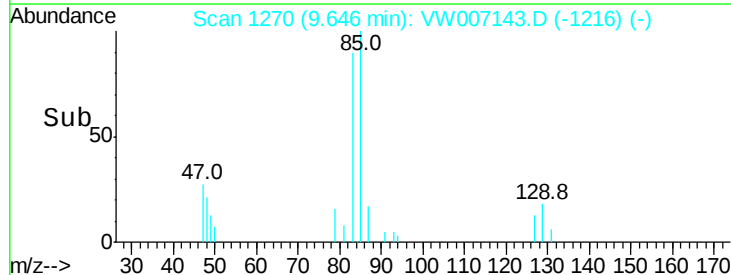
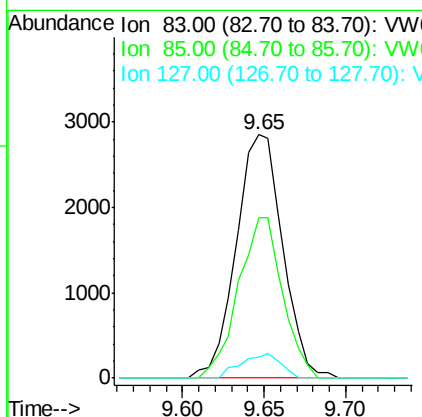
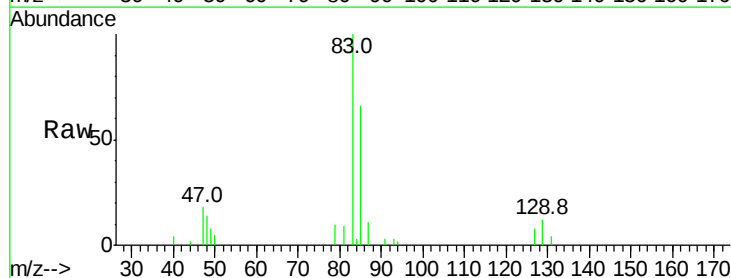
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.586

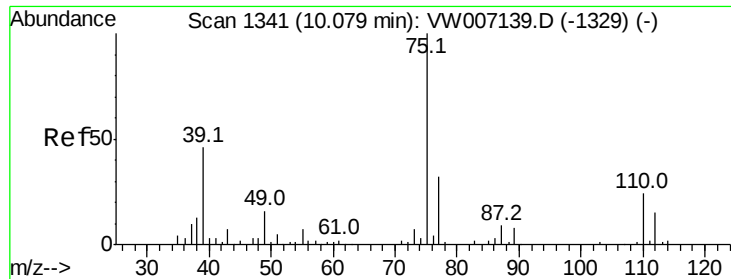
Tgt Ion: 63 Resp: 4312
 Ion Ratio Lower Upper
 63 100
 112 3.3 3.4 5.2#



#41
 Bromodichloromethane
 Concen: 2.214 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW007143.D
 Acq: 30 Nov 2018 14:43

Tgt Ion: 83 Resp: 5652
 Ion Ratio Lower Upper
 83 100
 85 66.0 43.9 81.5
 127 8.3 7.1 10.7

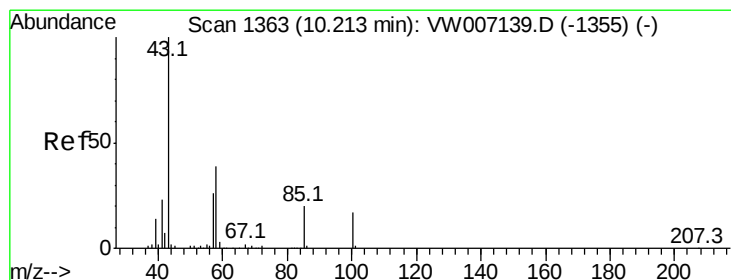
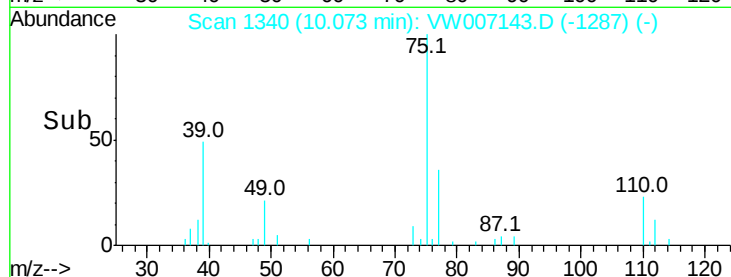
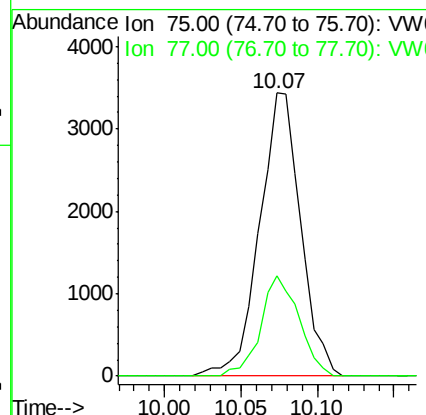
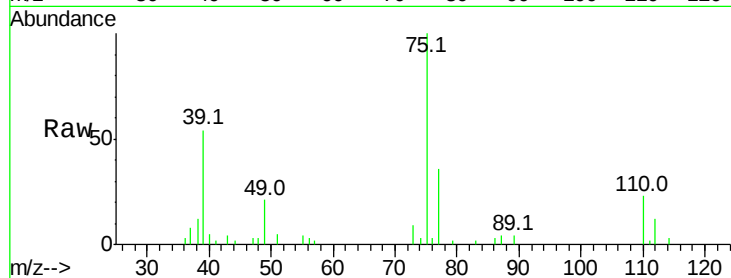




#42
 cis-1,3-Dichloropropene
 Concen: 2.043 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.01 min
 Lab File: VW007143.D
 Acq: 30 Nov 2018 14:43

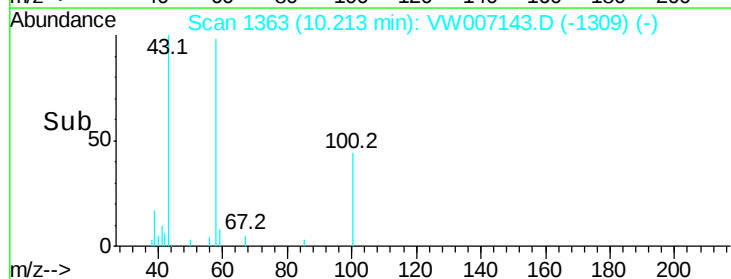
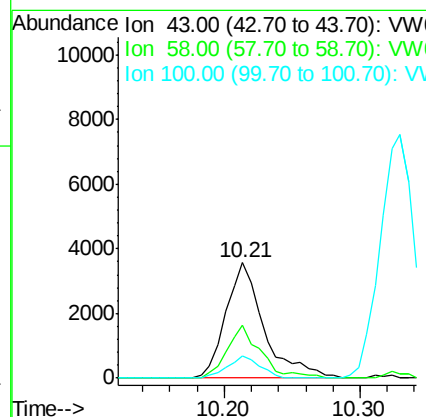
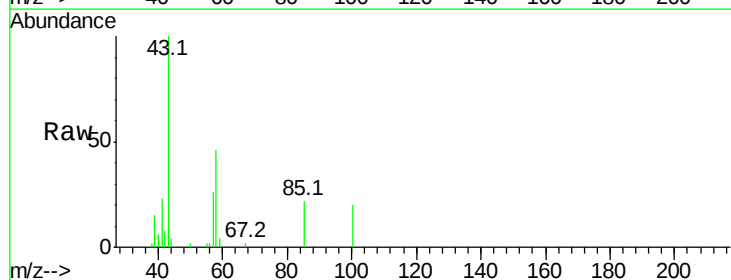
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.586

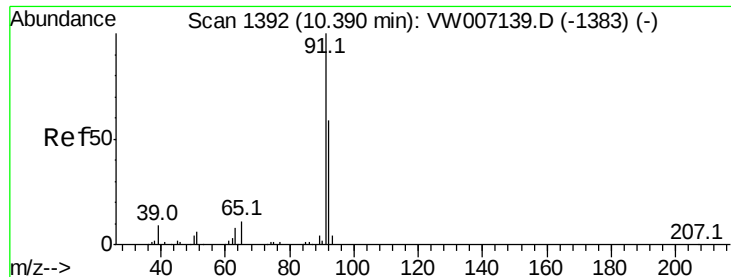
Tgt Ion: 75 Resp: 6438
 Ion Ratio Lower Upper
 75 100
 77 35.6 22.3 41.5



#43
 4-Methyl-2-pentanone
 Concen: 4.232 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW007143.D
 Acq: 30 Nov 2018 14:43

Tgt Ion: 43 Resp: 6974
 Ion Ratio Lower Upper
 43 100
 58 37.9 31.4 47.2
 100 16.0 13.1 19.7





#44

Toluene

Concen: 2.302 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007143.D

Acq: 30 Nov 2018 14:43

Instrument :

MSVOA_W

ClientSampleId :

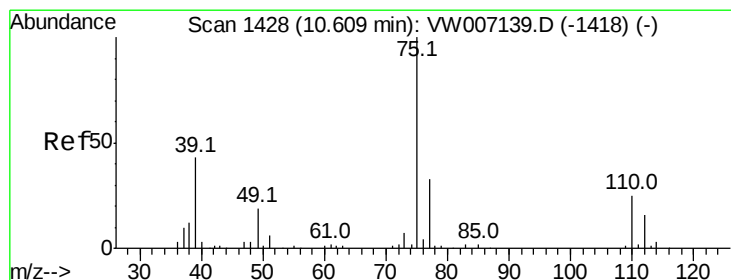
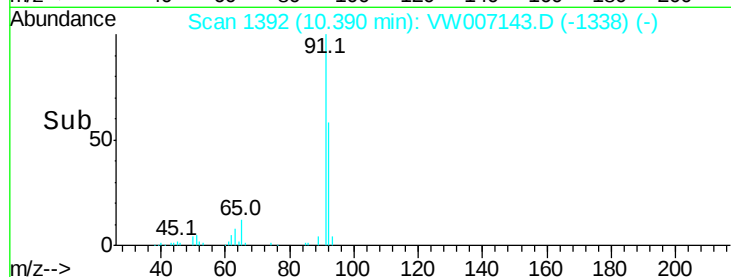
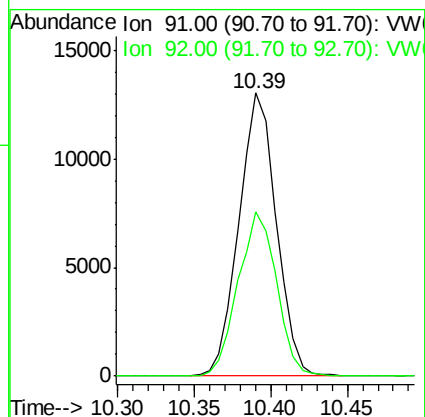
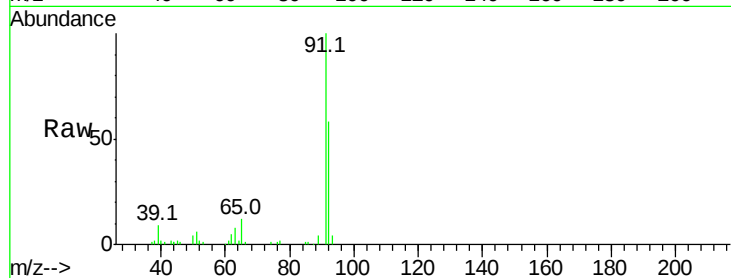
VSTD2.586

Tgt Ion: 91 Resp: 22140

Ion Ratio Lower Upper

91 100

92 58.0 41.2 76.6



#45

trans-1,3-Dichloropropene

Concen: 2.039 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.01 min

Lab File: VW007143.D

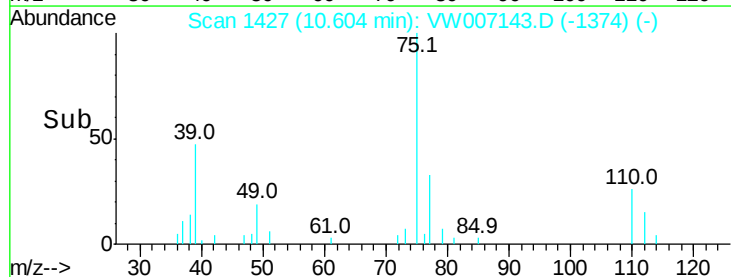
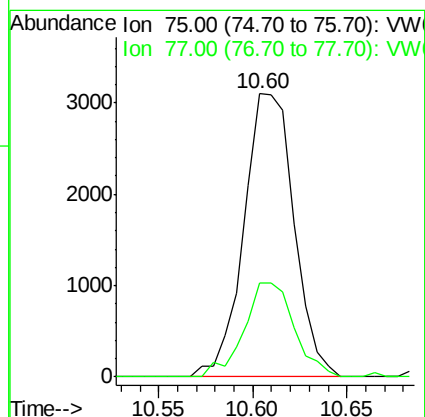
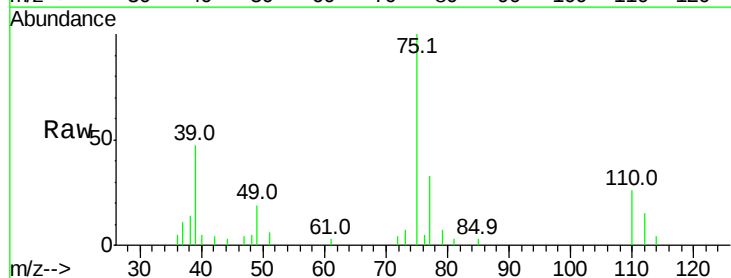
Acq: 30 Nov 2018 14:43

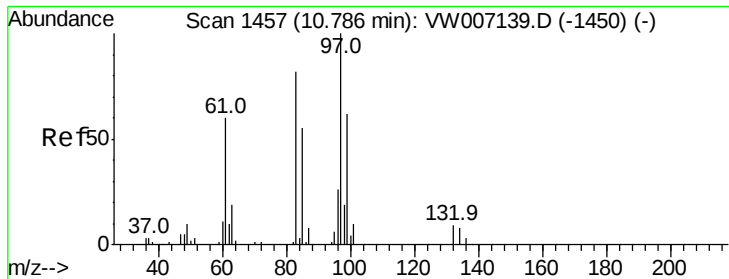
Tgt Ion: 75 Resp: 5713

Ion Ratio Lower Upper

75 100

77 33.0 23.2 43.2

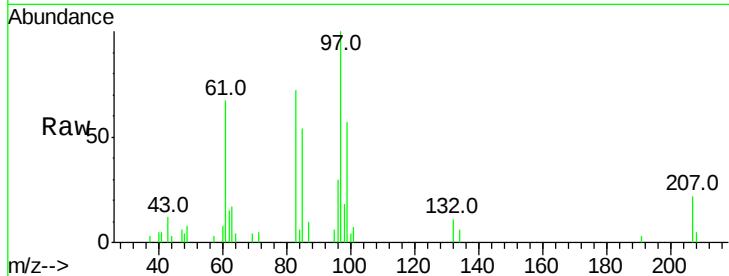




#46
 1,1,2-Trichloroethane
 Concen: 2.214 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW007143.D
 Acq: 30 Nov 2018 14:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.586

Tgt Ion:	97	Resp:	3509
Ion	Ratio	Lower	Upper
97	100		
83	72.2	57.1	106.1
85	53.8	38.6	71.8
99	56.6	43.4	80.6



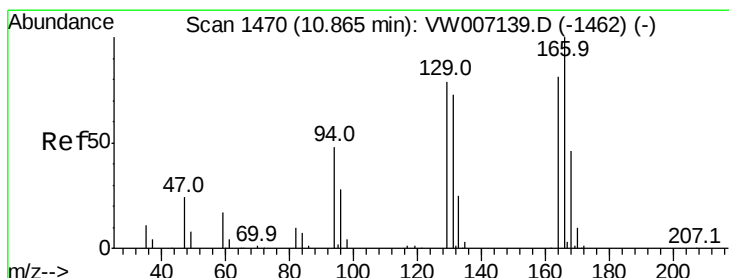
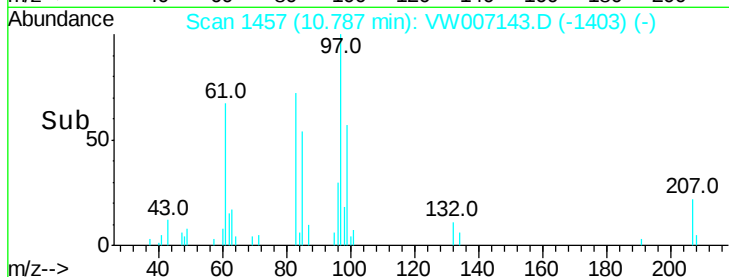
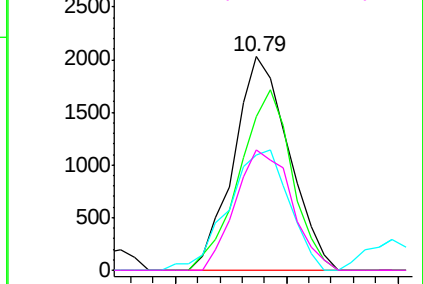
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

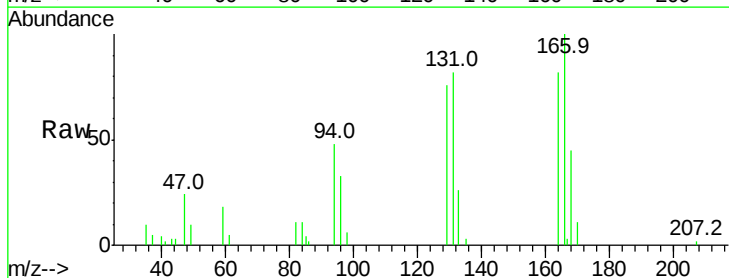
Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47
 Tetrachloroethene
 Concen: 2.350 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW007143.D
 Acq: 30 Nov 2018 14:43

Tgt Ion:	164	Resp:	4443
Ion	Ratio	Lower	Upper
164	100		
129	92.1	68.5	127.3
131	100.2	63.3	117.7
166	121.6	86.6	160.8



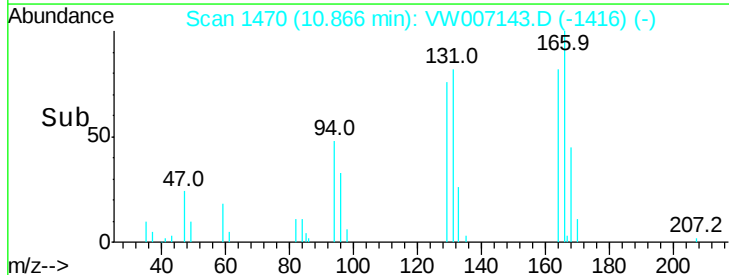
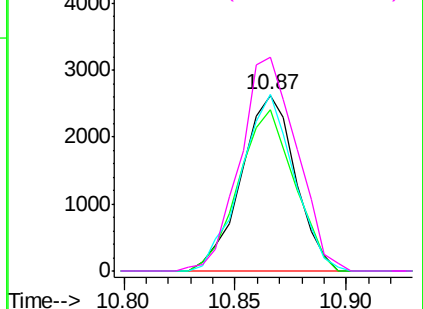
Abundance

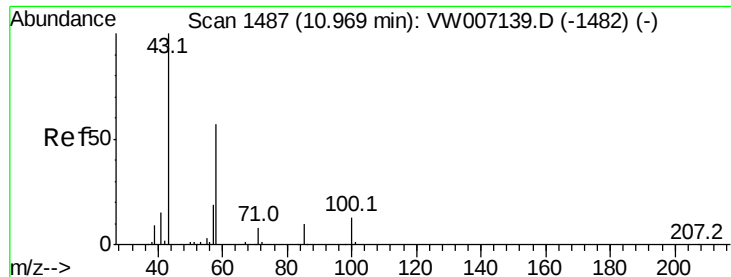
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 3.770 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW007143.D

Acq: 30 Nov 2018 14:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.586

Tgt Ion: 43 Resp: 4253

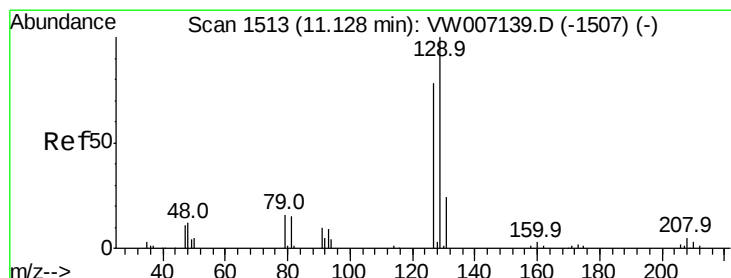
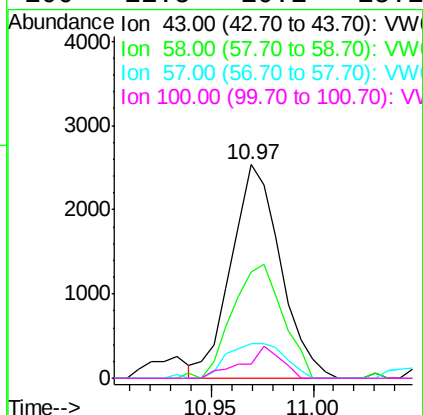
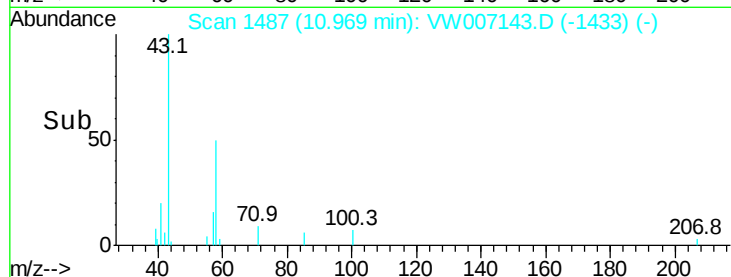
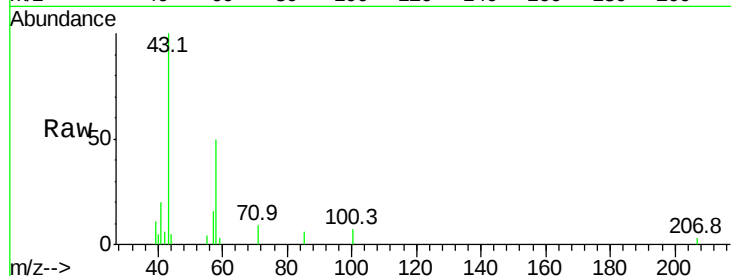
Ion Ratio Lower Upper

43 100

58 54.1 44.2 66.2

57 19.1 16.3 24.5

100 11.5 10.1 15.1



#50

Dibromochloromethane

Concen: 1.976 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW007143.D

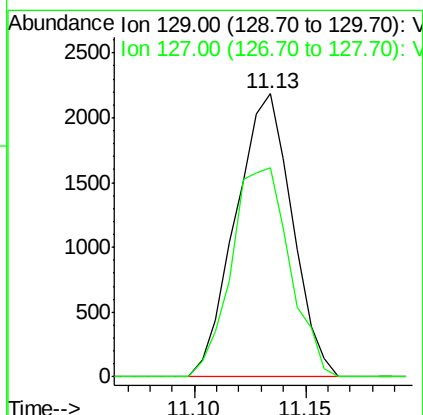
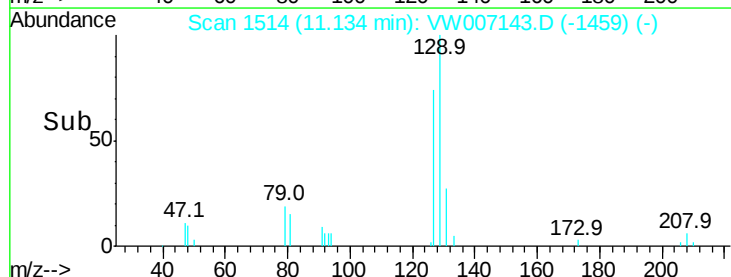
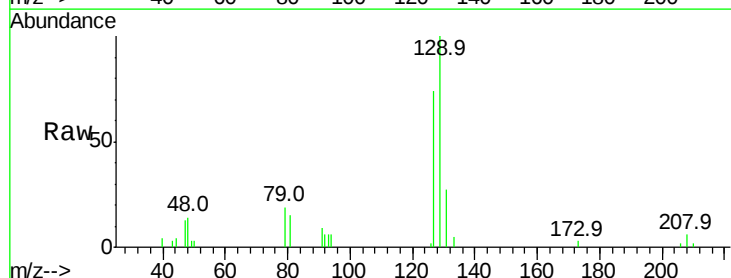
Acq: 30 Nov 2018 14:43

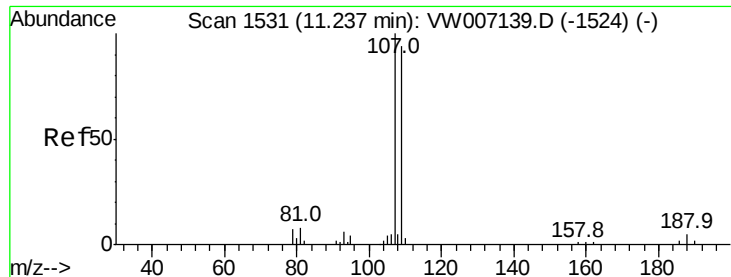
Tgt Ion: 129 Resp: 3850

Ion Ratio Lower Upper

129 100

127 73.7 54.6 101.4

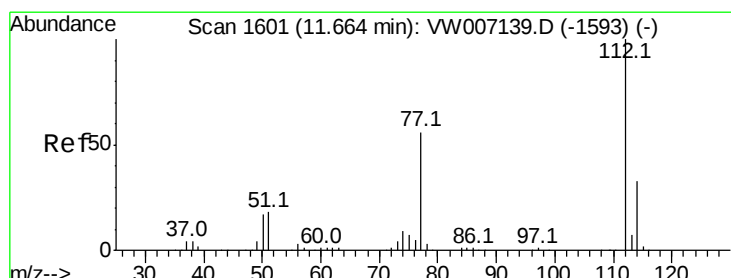
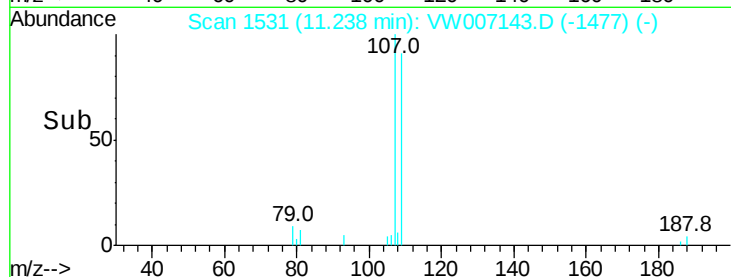
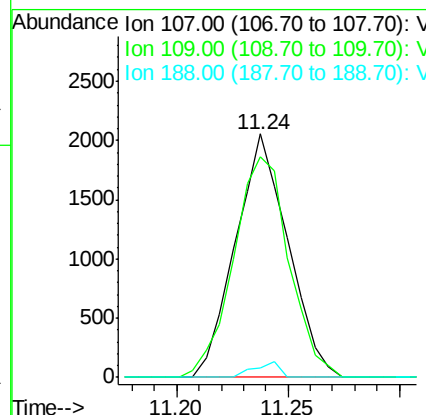
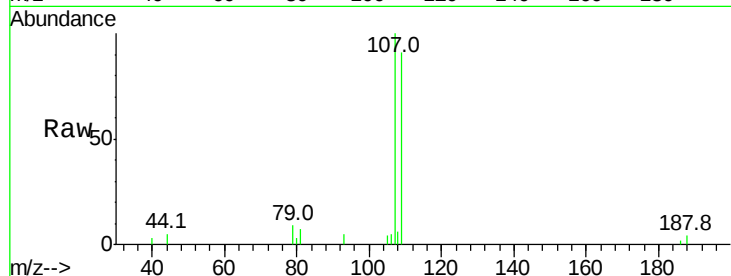




#51
1,2-Dibromoethane
Concen: 2.047 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW007143.D
Acq: 30 Nov 2018 14:43

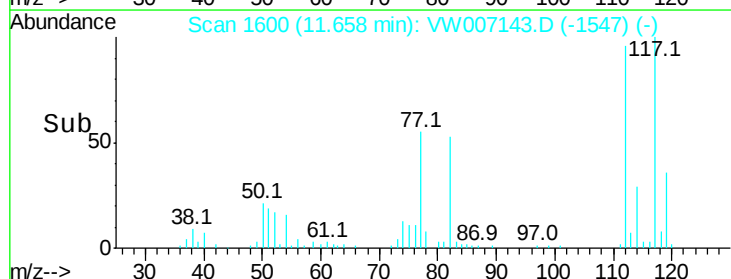
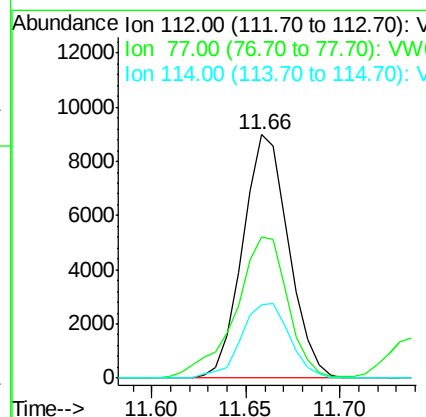
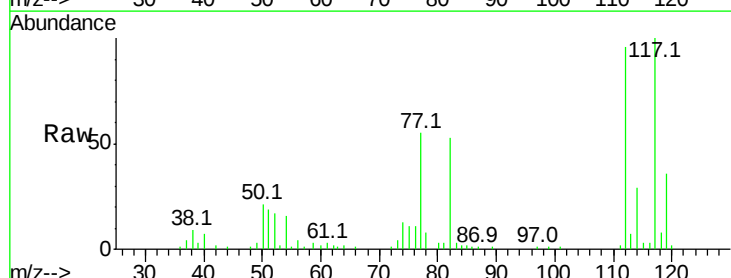
Instrument :
MSVOA_W
ClientSampled :
VSTD2.586

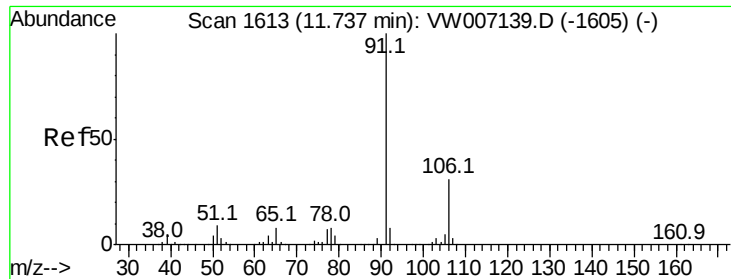
Tgt Ion:107 Resp: 3377
Ion Ratio Lower Upper
107 100
109 90.8 66.0 122.6
188 3.7 3.6 5.4



#52
Chlorobenzene
Concen: 2.405 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VW007143.D
Acq: 30 Nov 2018 14:43

Tgt Ion:112 Resp: 15205
Ion Ratio Lower Upper
112 100
77 58.0 45.0 67.4
114 29.9 22.8 42.4





#53

Ethylbenzene

Concen: 2.308 ug/L

RT: 11.74 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VW007143.D

Acq: 30 Nov 2018 14:43

Instrument :

MSVOA_W

ClientSampleId :

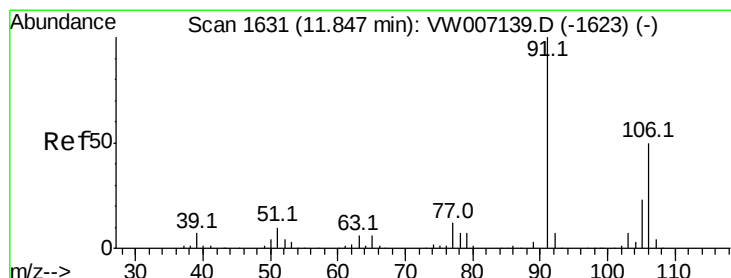
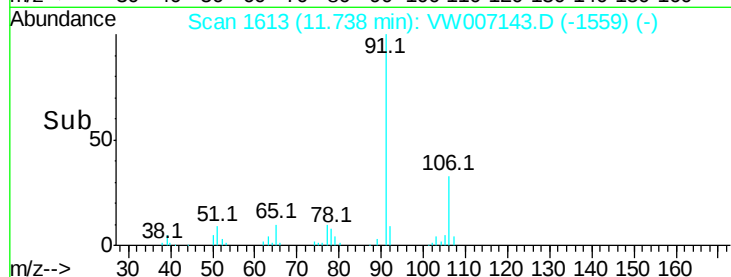
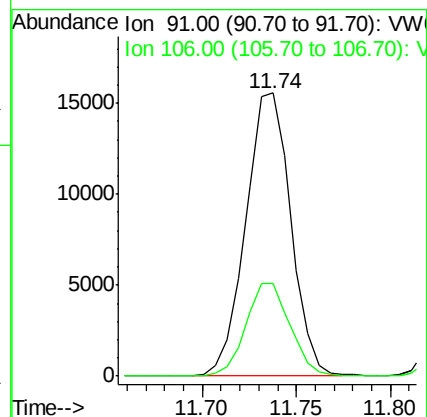
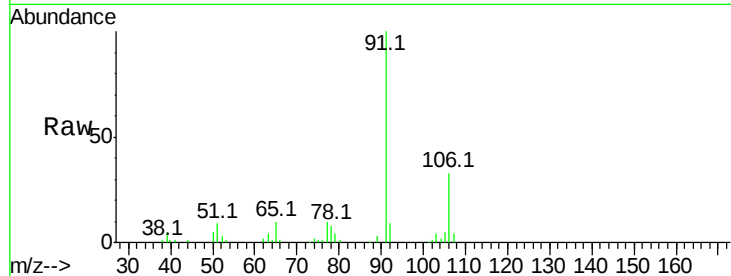
VSTD2.586

Tgt Ion: 91 Resp: 25820

Ion Ratio Lower Upper

91 100

106 32.5 21.8 40.4



#54

m,p-Xylene

Concen: 2.363 ug/L

RT: 11.85 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VW007143.D

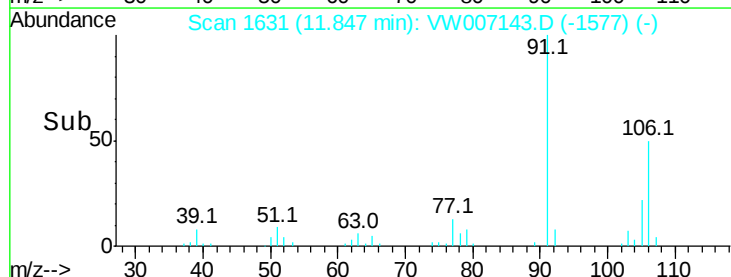
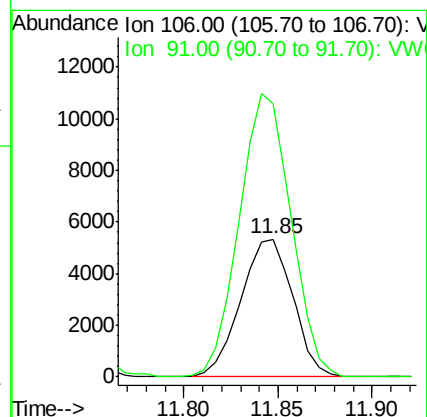
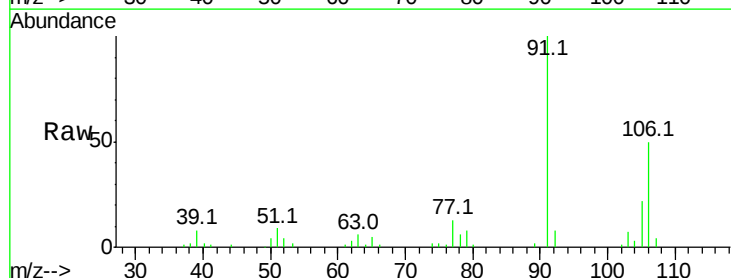
Acq: 30 Nov 2018 14:43

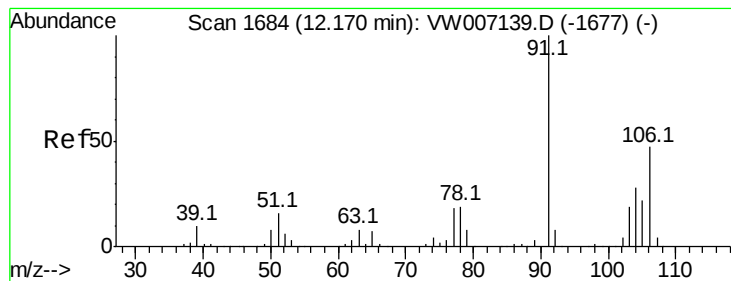
Tgt Ion: 106 Resp: 10246

Ion Ratio Lower Upper

106 100

91 198.2 140.7 261.3





#55

o-xylene

Concen: 2.359 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW007143.D

Acq: 30 Nov 2018 14:43

Instrument :

MSVOA_W

ClientSampleId :

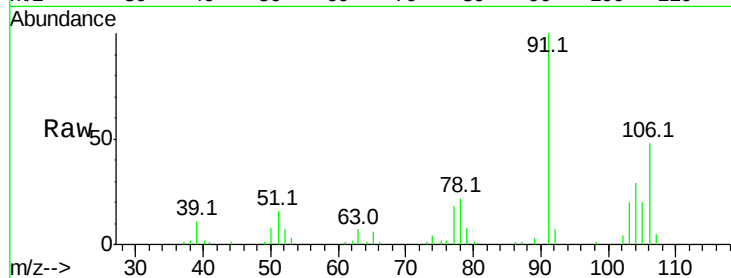
VSTD2.586

Tgt Ion:106 Resp: 9604

Ion Ratio Lower Upper

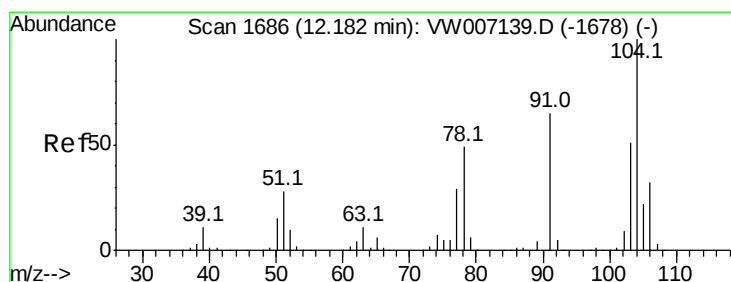
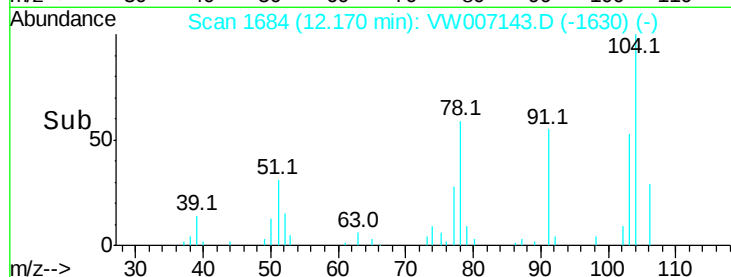
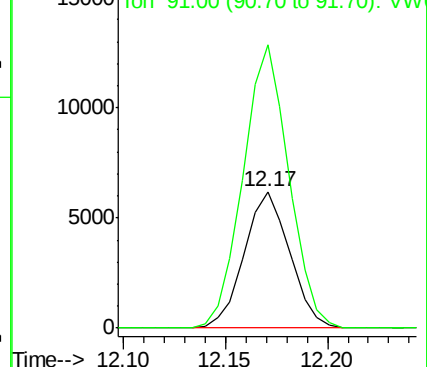
106 100

91 206.9 149.0 276.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 2.237 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW007143.D

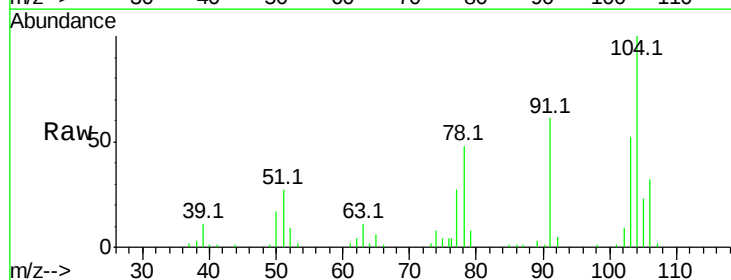
Acq: 30 Nov 2018 14:43

Tgt Ion:104 Resp: 15272

Ion Ratio Lower Upper

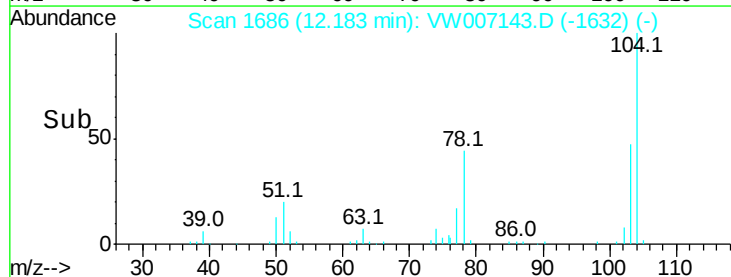
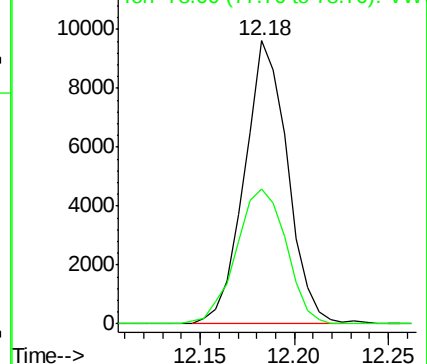
104 100

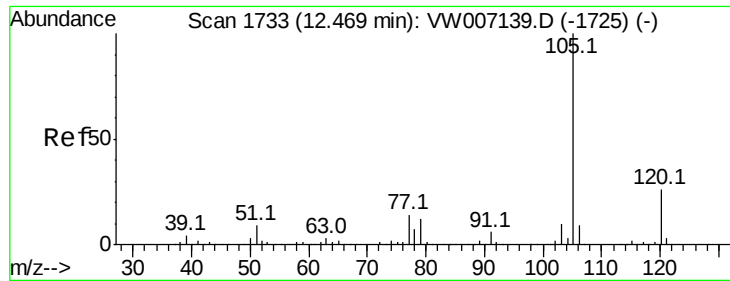
78 47.8 34.6 64.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 2.346 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW007143.D

Acq: 30 Nov 2018 14:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.586

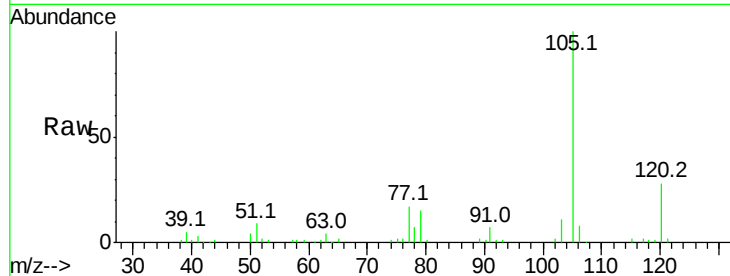
Tgt Ion: 105 Resp: 26065

Ion Ratio Lower Upper

105 100

120 26.3 20.8 31.2

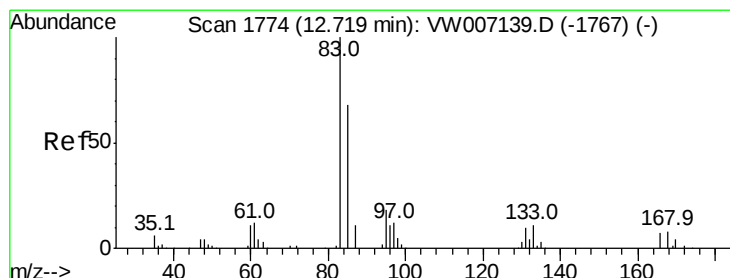
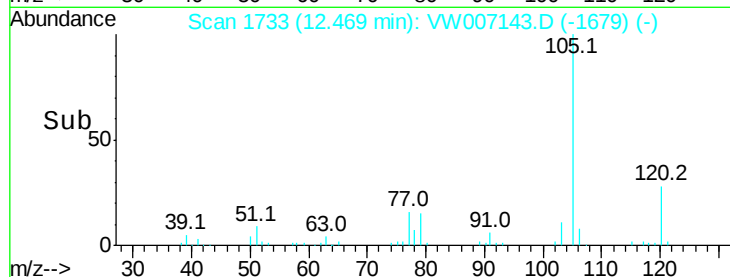
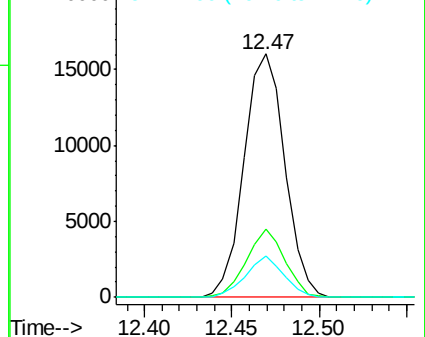
77 15.7 12.0 18.0



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: 1.980 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW007143.D

Acq: 30 Nov 2018 14:43

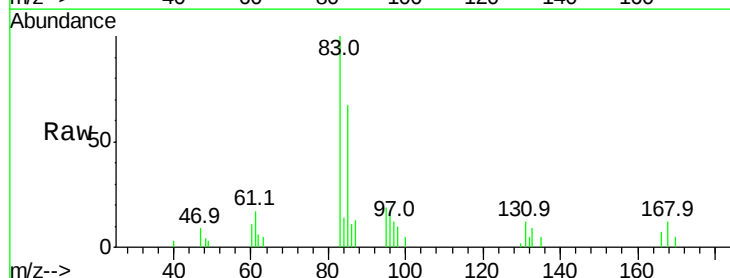
Tgt Ion: 83 Resp: 4284

Ion Ratio Lower Upper

83 100

85 66.8 47.8 88.8

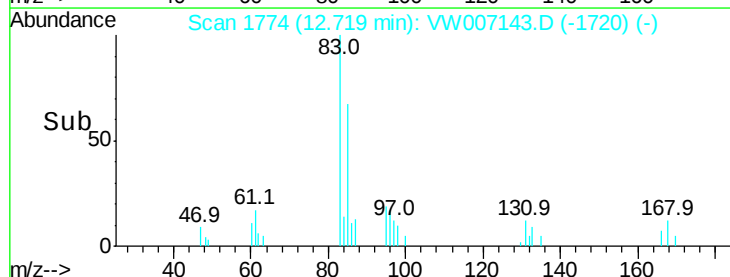
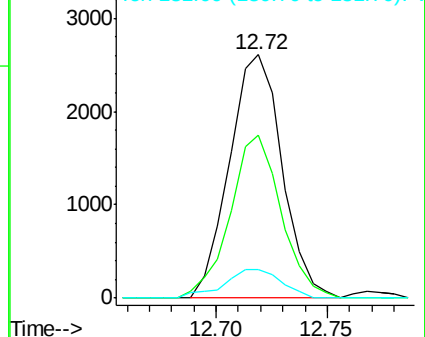
131 11.9 8.2 12.2

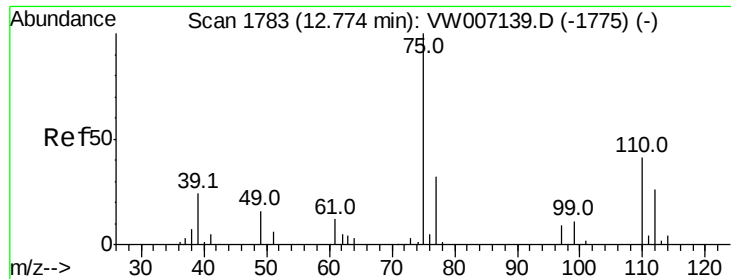


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 1.979 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW007143.D

Acq: 30 Nov 2018 14:43

Instrument :

MSVOA_W

ClientSampleId :

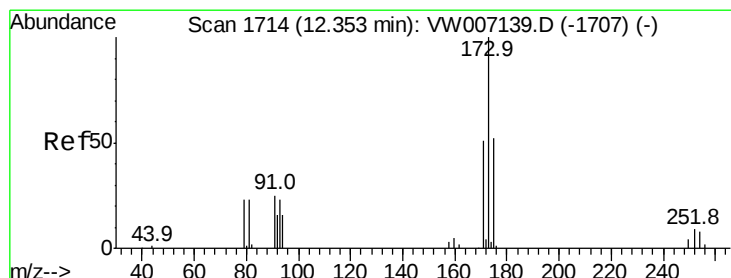
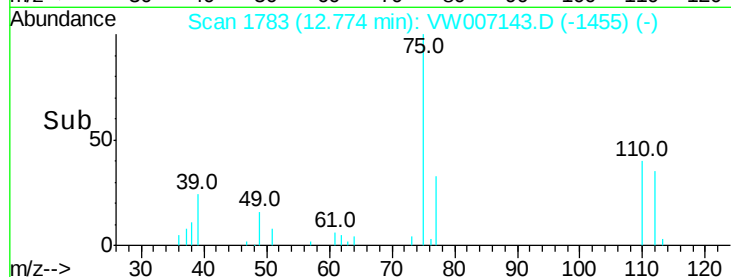
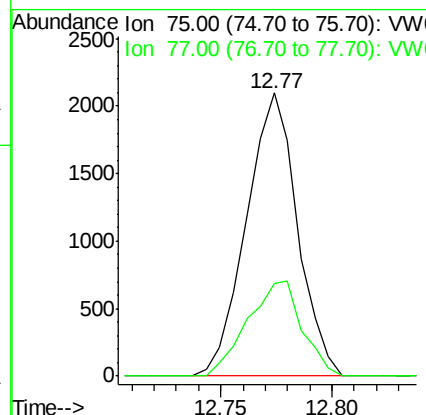
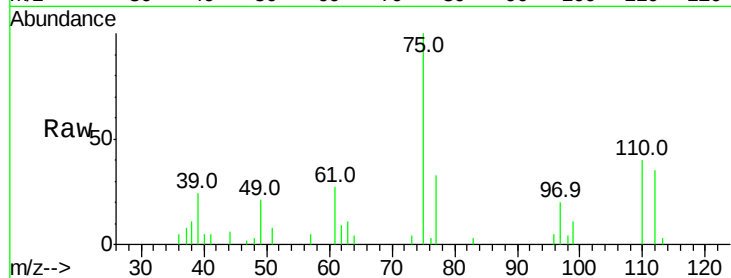
VSTD2.586

Tgt Ion: 75 Resp: 3341

Ion Ratio Lower Upper

75 100

77 35.7 25.8 38.6



#62

Bromoform

Concen: 2.060 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW007143.D

Acq: 30 Nov 2018 14:43

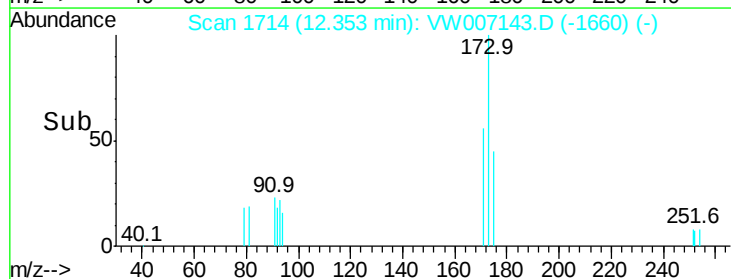
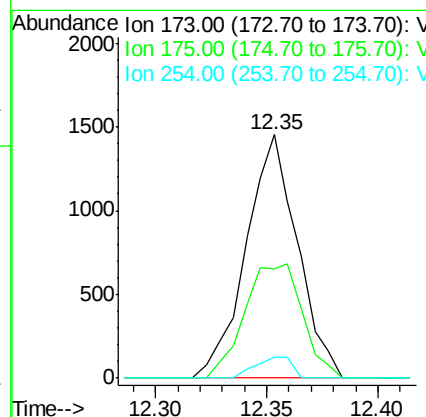
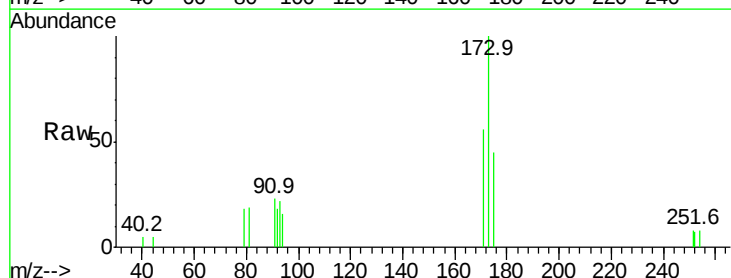
Tgt Ion: 173 Resp: 2332

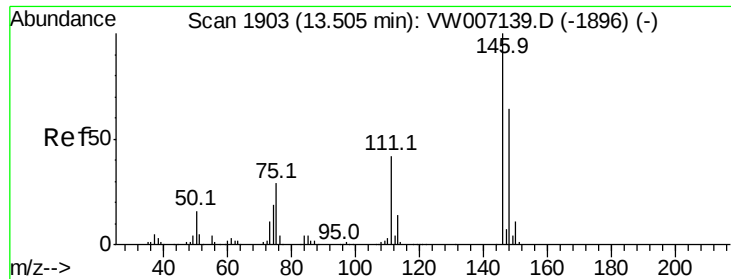
Ion Ratio Lower Upper

173 100

175 52.7 39.8 59.8

254 6.1 6.9 10.3#





#63

1,3-Dichlorobenzene

Concen: 2.490 ug/L

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW007143.D

Acq: 30 Nov 2018 14:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.586

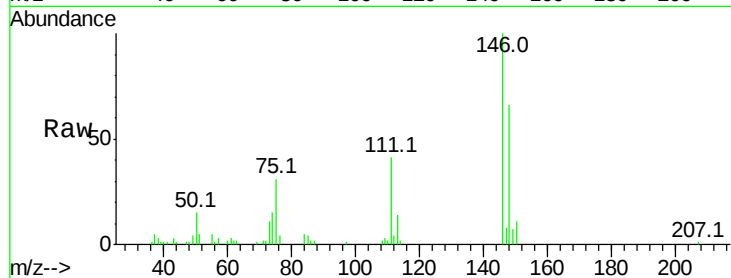
Tgt Ion:146 Resp: 12674

Ion Ratio Lower Upper

146 100

111 41.1 29.2 54.2

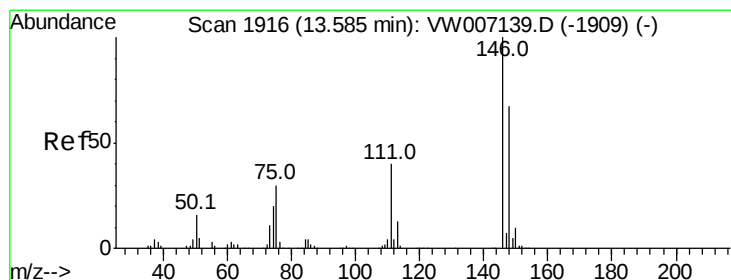
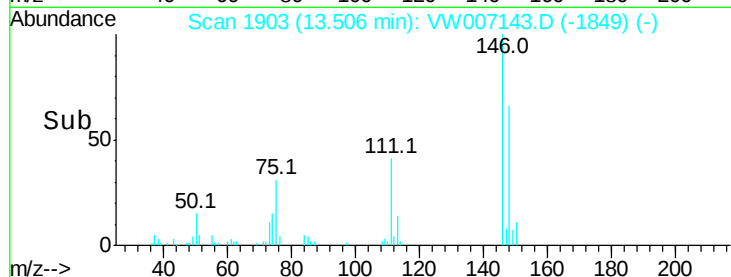
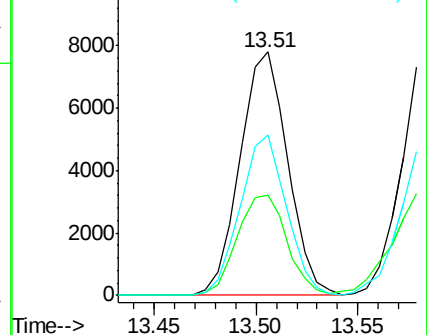
148 65.9 44.7 83.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 2.519 ug/L

RT: 13.58 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VW007143.D

Acq: 30 Nov 2018 14:43

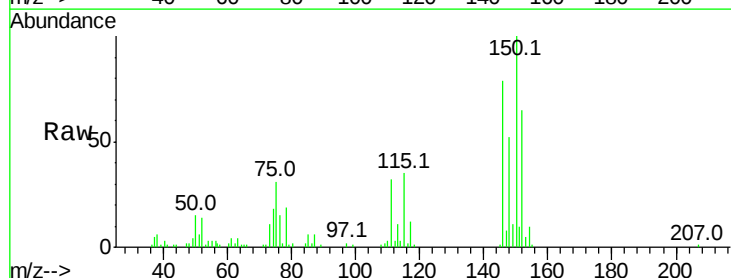
Tgt Ion:146 Resp: 12931

Ion Ratio Lower Upper

146 100

111 40.2 28.2 52.4

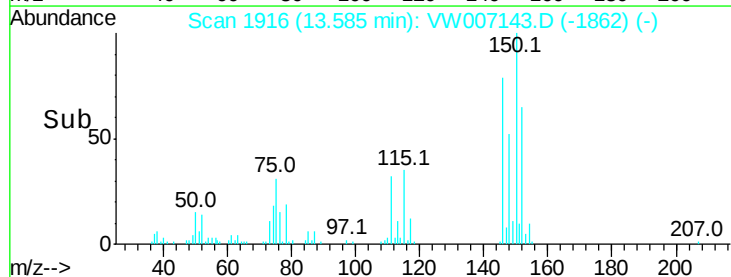
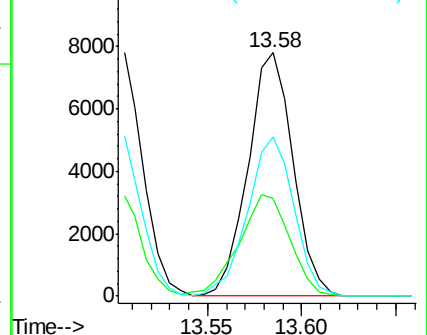
148 65.5 46.6 86.6

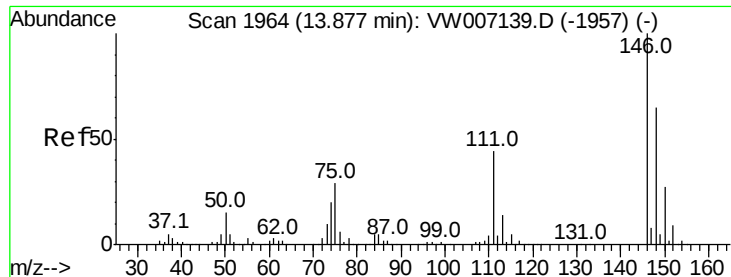


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 2.455 ug/L

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW007143.D

Acq: 30 Nov 2018 14:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.586

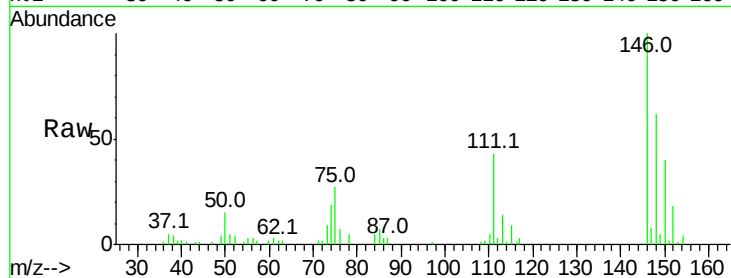
Tgt Ion:146 Resp: 11588

Ion Ratio Lower Upper

146 100

111 43.0 35.3 52.9

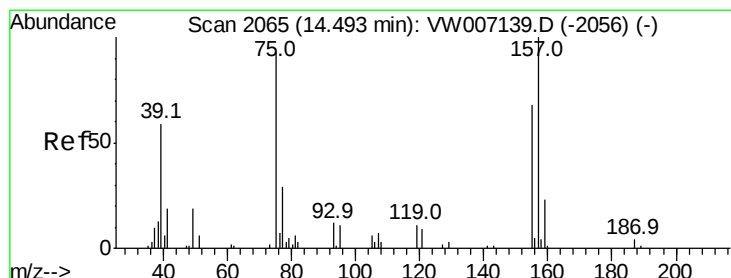
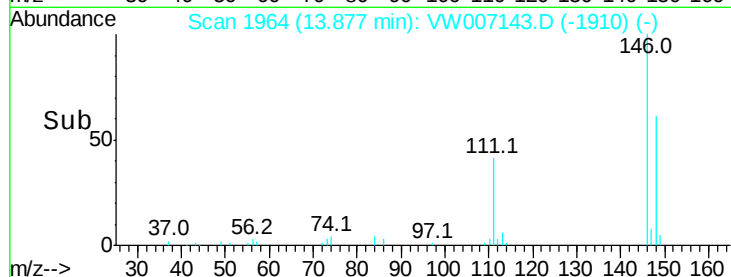
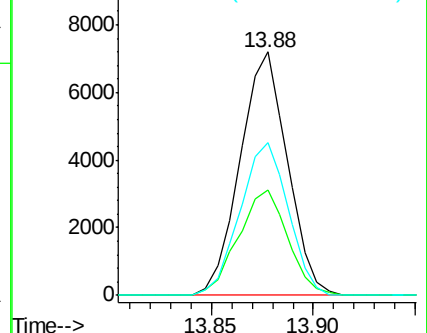
148 62.5 51.6 77.4



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: 3.959 ug/L

RT: 14.63 min Scan# 2088

Delta R.T. 0.14 min

Lab File: VW007143.D

Acq: 30 Nov 2018 14:43

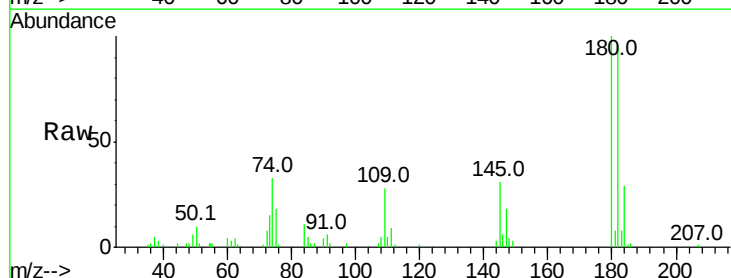
Tgt Ion: 75 Resp: 1786

Ion Ratio Lower Upper

75 100

157 0.0 86.4 129.6#

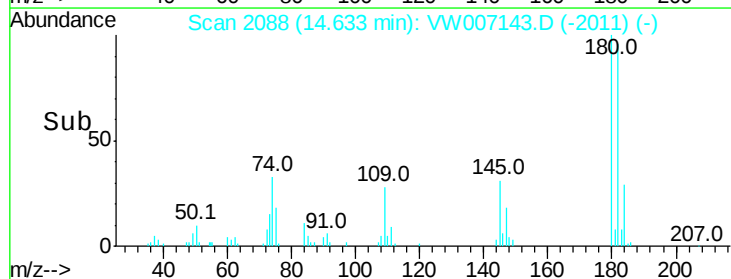
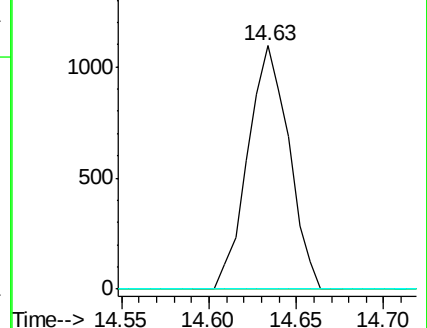
155 0.0 58.3 87.5#

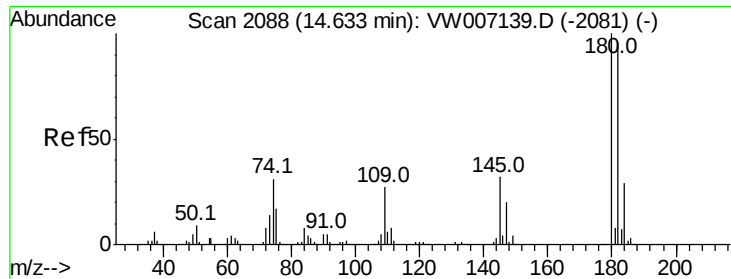


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

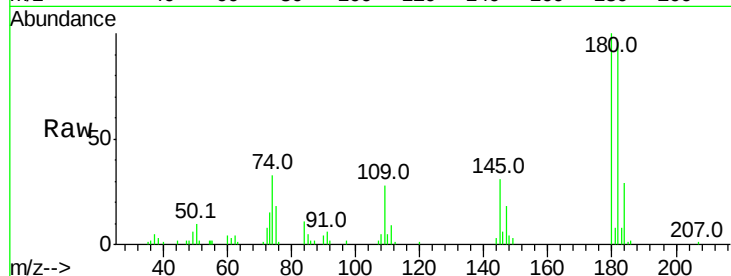




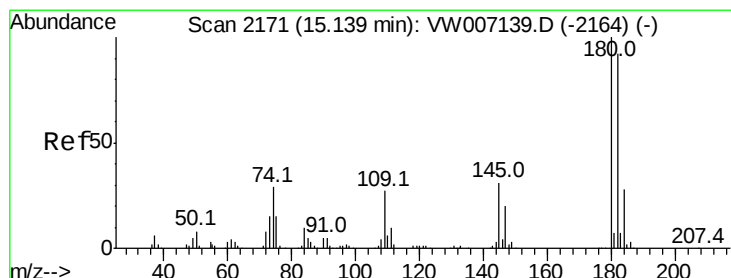
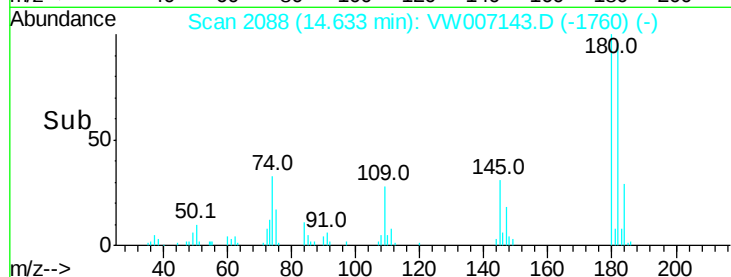
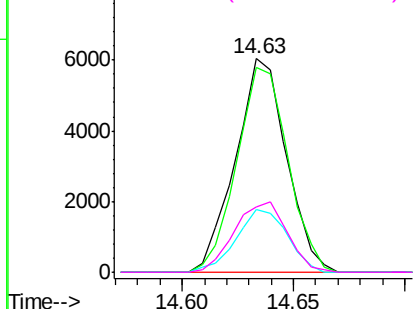
#67
 1,3,5-Trichlorobenzene
 Concen: 2.535 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW007143.D
 Acq: 30 Nov 2018 14:43

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.586

Tgt Ion:180 Resp: 9639
 Ion Ratio Lower Upper
 180 100
 182 96.3 75.9 113.9
 184 29.6 24.2 36.4
 145 34.3 26.1 39.1

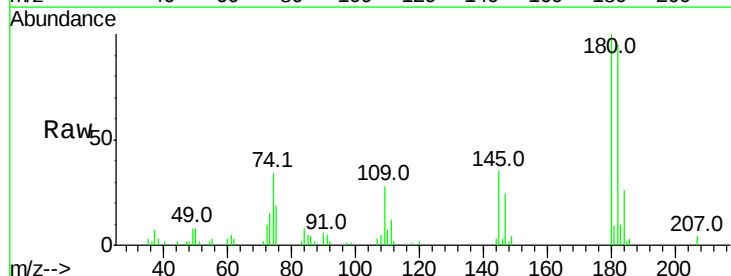


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

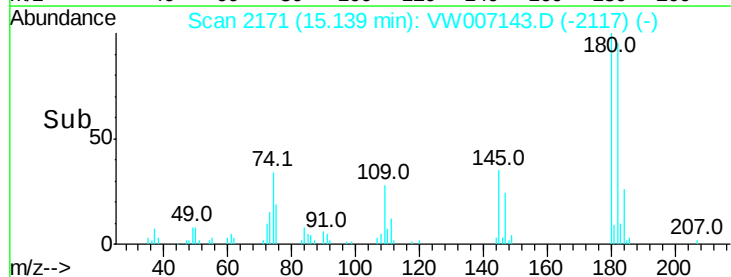
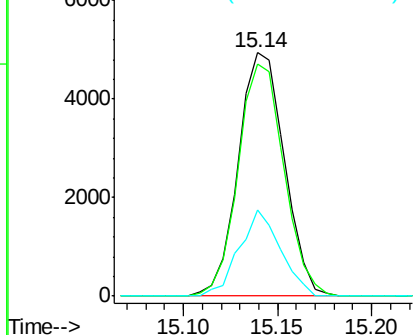


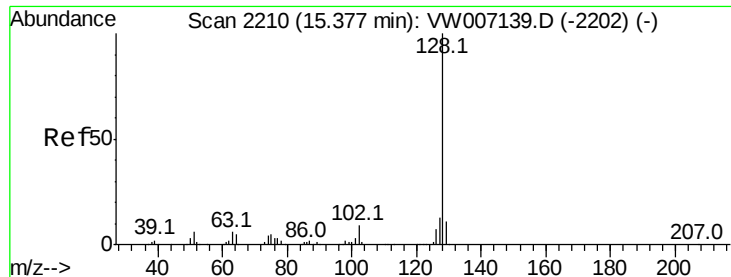
#68
 1,2,4-trichlorobenzene
 Concen: 2.631 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW007143.D
 Acq: 30 Nov 2018 14:43

Tgt Ion:180 Resp: 8384
 Ion Ratio Lower Upper
 180 100
 182 95.0 75.6 113.4
 145 31.8 26.6 39.8



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: 2.146 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW007143.D

Acq: 30 Nov 2018 14:43

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.586

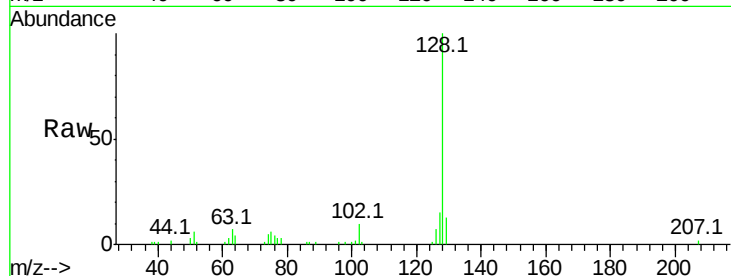
Tgt Ion:128 Resp: 16270

Ion Ratio Lower Upper

128 100

129 11.9 8.7 13.1

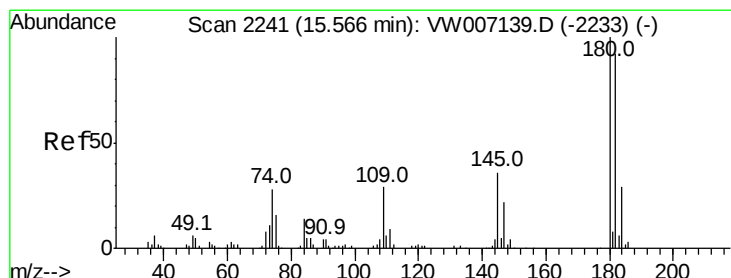
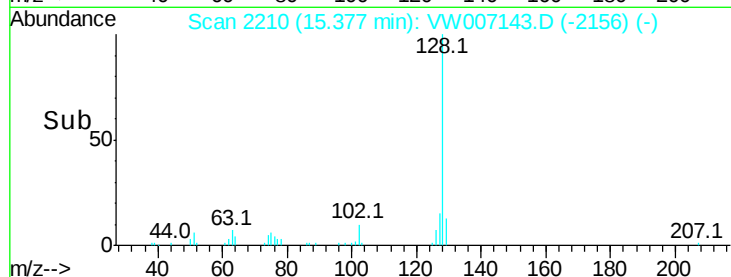
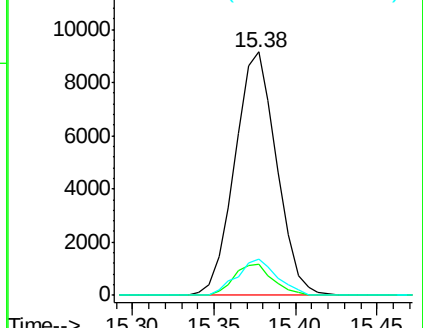
127 14.2 10.9 16.3



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: 2.474 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW007143.D

Acq: 30 Nov 2018 14:43

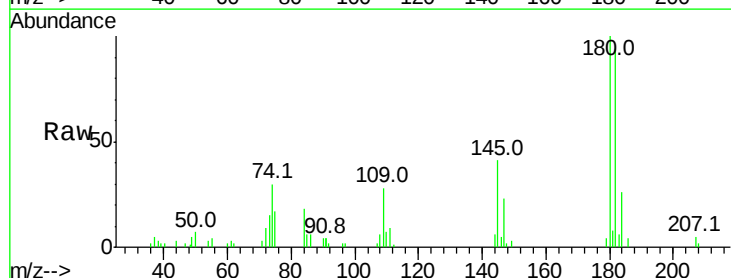
Tgt Ion:180 Resp: 7163

Ion Ratio Lower Upper

180 100

182 96.5 75.0 112.4

145 38.2 28.2 42.4



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

