

Data File : VW010765.D
Acq On : 11 Jun 2019 12:11
Operator : SY/VA
Sample : VSTD10024
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD10017

Quant Time: Jun 11 12:34:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM061119S.M
Quant Title : VOC Analysis
QLast Update : Tue Jun 11 11:56:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	385075	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	357922	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	174774	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.34	65	509085	119.84	ug/L	0.00
7) Chloroethane-d5	2.86	69	396596	122.58	ug/L	-0.02
10) 1,1-Dichloroethene-d2	4.01	63	1108543	104.09	ug/L	0.00
20) 2-Butanone-d5	7.07	46	418871	202.89	ug/L	0.00
24) Chloroform-d	7.65	84	970687	93.57	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	634734	105.04	ug/L	0.00
29) Benzene-d6	8.27	84	2081976	105.64	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	684515	109.98	ug/L	0.00
37) Toluene-d8	10.32	98	1897007	109.43	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	324271	117.30	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	336469	216.49	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	579791	98.79	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	670915	104.86	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	602566	118.246	ug/L	100
3) Chloromethane	2.21	50	682068	140.758	ug/L	99
5) Vinyl chloride	2.35	62	614968	114.678	ug/L	99
6) Bromomethane	2.74	94	273930	92.749	ug/L	99
8) Chloroethane	2.90	64	360308	122.689	ug/L	98
9) Trichlorofluoromethane	3.25	101	821739	301.296	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	467102	90.419	ug/L	100
12) 1,1-Dichloroethene	4.03	96	435774	83.650	ug/L	95
13) Acetone	4.12	43	421569	259.592	ug/L	100
14) Carbon disulfide	4.37	76	1290097	86.376	ug/L	99
15) Methyl Acetate	4.67	43	372588	104.747	ug/L	100
16) Methylene chloride	4.92	84	504756	78.960	ug/L	99
17) Methyl tert-butyl Ether	5.43	73	1484893	215.387	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	486298	93.338	ug/L	96
19) 1,1-Dichloroethane	6.21	63	1048449	102.495	ug/L	99
21) 2-Butanone	7.17	43	574425	231.859	ug/L	100
22) cis-1,2-Dichloroethene	7.16	96	567885	100.752	ug/L	99
23) Bromochloromethane	7.51	128	232955	90.223	ug/L	98
25) Chloroform	7.68	83	1058765	104.661	ug/L	100
27) 1,2-Dichloroethane	8.40	62	756333	102.157	ug/L	100
30) Cyclohexane	7.95	56	992583	112.995	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	852043	115.503	ug/L	99
32) Carbon tetrachloride	8.07	117	718952	94.632	ug/L	99
34) Benzene	8.32	78	2121580	97.962	ug/L	100
35) Trichloroethene	9.09	95	544542	97.332	ug/L	99
36) Methylcyclohexane	9.34	83	934391	99.523	ug/L	100
40) 1,2-Dichloropropane	9.37	63	605441	107.705	ug/L	100
41) Bromodichloromethane	9.65	83	763448	104.881	ug/L	100
42) cis-1,3-Dichloropropene	10.07	75	964836	113.944	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	1151507	240.109	ug/L	100

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Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	2237286	99.240	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	833573	114.405	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	431891	100.894	ug/L	99
47) Tetrachloroethene	10.86	164	404149	93.831	ug/L	96
49) 2-Hexanone	10.97	43	869528	245.753	ug/L	100
50) Dibromochloromethane	11.13	129	516297	105.003	ug/L	97
51) 1,2-Dibromoethane	11.24	107	410462	98.236	ug/L	100
52) Chlorobenzene	11.66	112	1419666	98.316	ug/L	99
53) Ethylbenzene	11.73	91	2595550	103.128	ug/L	100
54) m,p-Xylene	11.84	106	944258	101.832	ug/L	97
55) o-xylene	12.17	106	937418	107.174	ug/L	94
56) Styrene	12.18	104	1653600	108.404	ug/L	99
57) Isopropylbenzene	12.47	105	2526623	106.593	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	582047	101.368	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	451664	103.304	ug/L	100
62) Bromoform	12.35	173	313048	106.548	ug/L	100
63) 1,3-Dichlorobenzene	13.50	146	1125752	105.841	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	1131464	99.582	ug/L	100
65) 1,2-Dichlorobenzene	13.87	146	1054707	102.691	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	108735	101.405	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	868321	108.042	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	725858	111.577	ug/L	99
69) Naphthalene	15.37	128	1566045	108.676	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	632754	101.616	ug/L	99

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

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Instrument :
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ClientSampleId :
VSTD10017

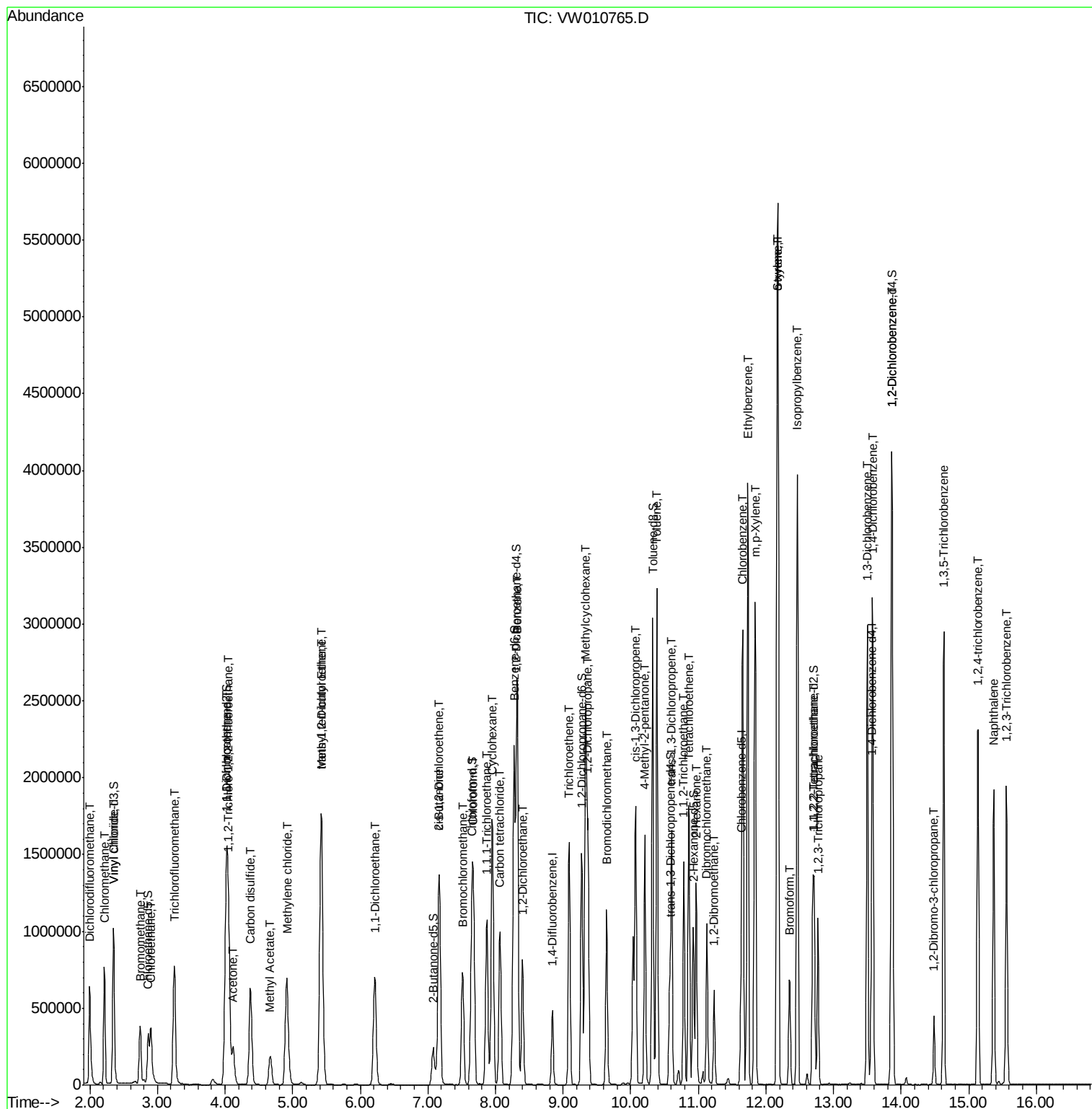
Quant Time: Jun 11 12:34:32 2019

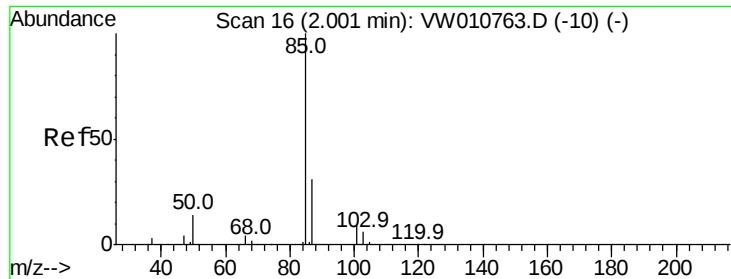
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM061119S.M

Quant Title : VOC Analysis

QLast Update : Tue Jun 11 11:56:59 2019

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#2

Dichlorodifluoromethane

Concen: 118.246 ug/L

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW010765.D

Acq: 11 Jun 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

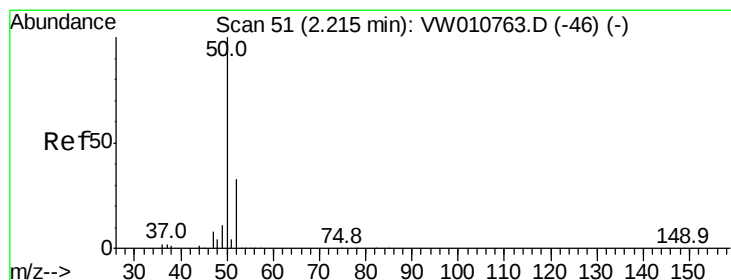
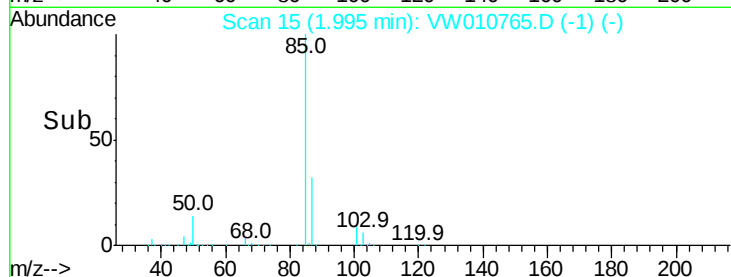
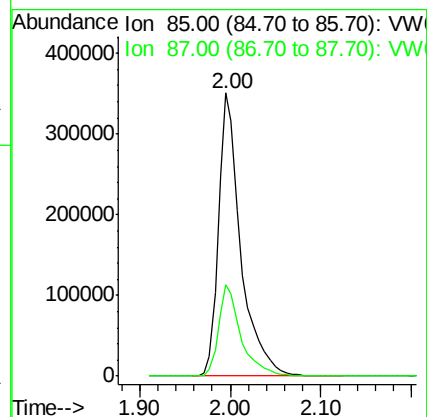
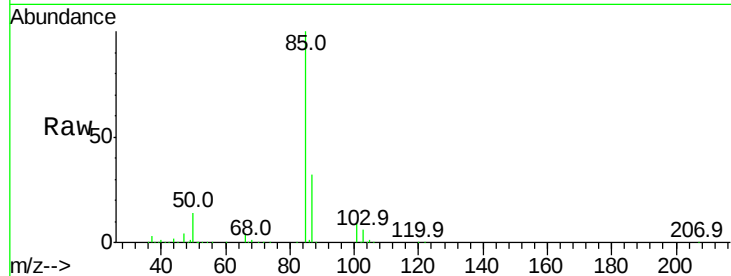
VSTD10017

Tgt Ion: 85 Resp: 602566

Ion Ratio Lower Upper

85 100

87 32.2 22.4 41.6



#3

Chloromethane

Concen: 140.758 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW010765.D

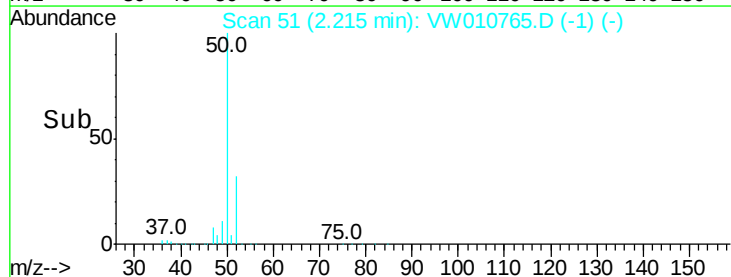
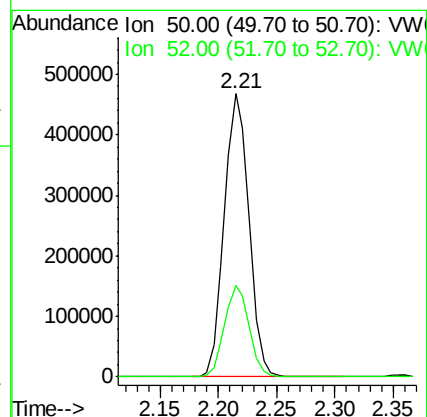
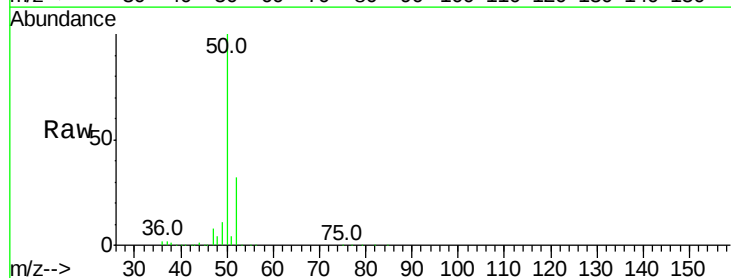
Acq: 11 Jun 2019 12:11

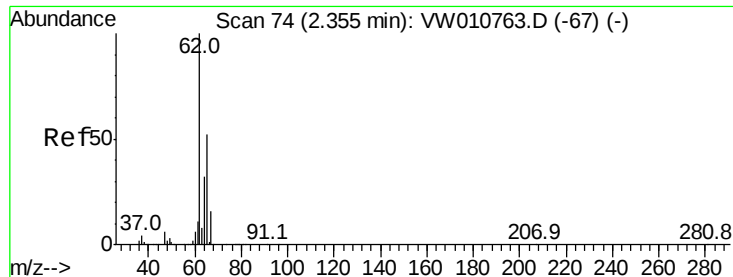
Tgt Ion: 50 Resp: 682068

Ion Ratio Lower Upper

50 100

52 32.1 22.8 42.4





#5

Vinyl chloride

Concen: 114.678 ug/L

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW010765.D

Acq: 11 Jun 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

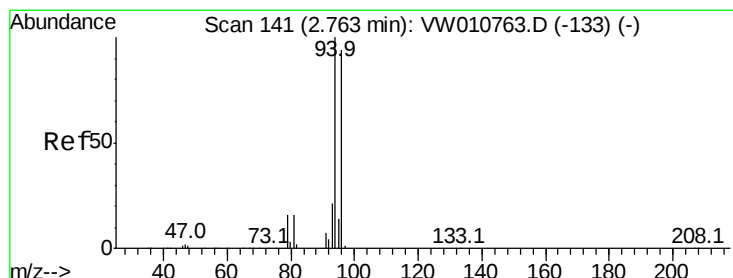
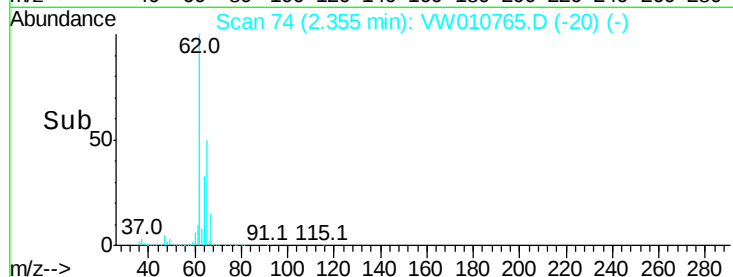
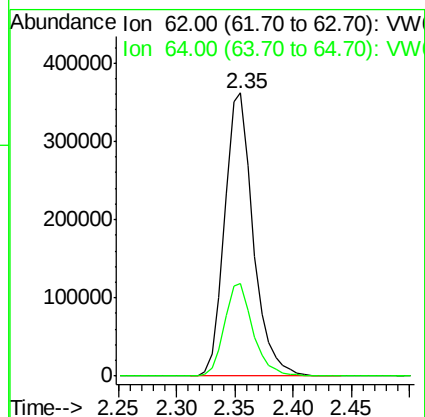
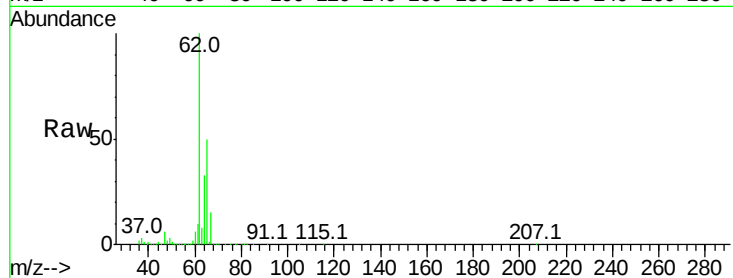
VSTD10017

Tgt Ion: 62 Resp: 614968

Ion Ratio Lower Upper

62 100

64 32.7 22.4 41.6



#6

Bromomethane

Concen: 92.749 ug/L

RT: 2.74 min Scan# 138

Delta R.T. -0.02 min

Lab File: VW010765.D

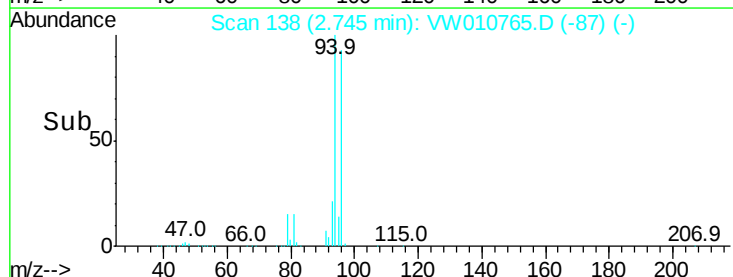
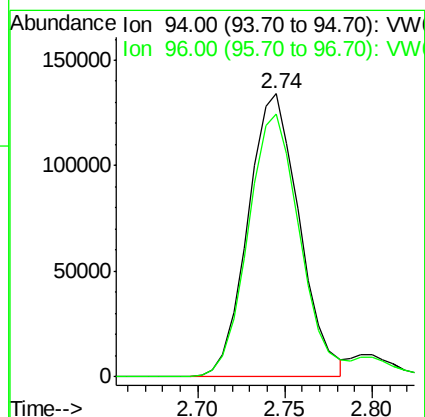
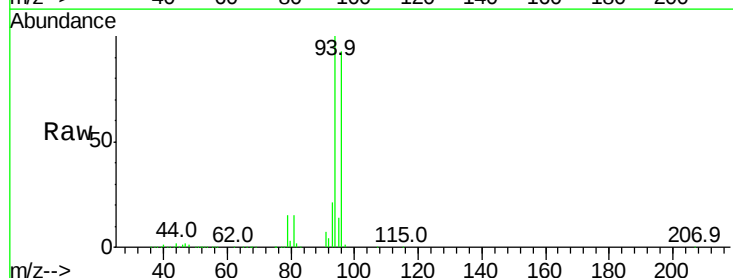
Acq: 11 Jun 2019 12:11

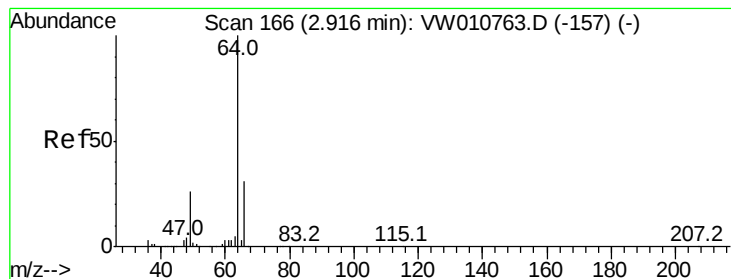
Tgt Ion: 94 Resp: 273930

Ion Ratio Lower Upper

94 100

96 94.1 9.5 180.7





#8

Chloroethane

Concen: 122.689 ug/L

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW010765.D

Acq: 11 Jun 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

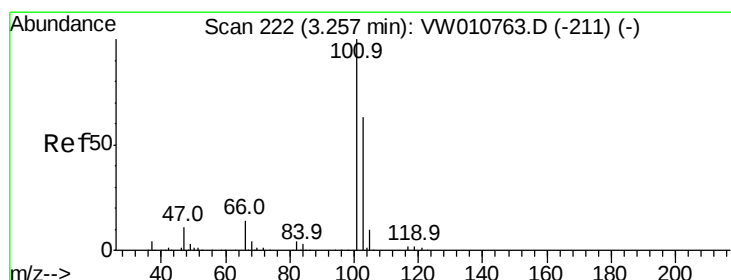
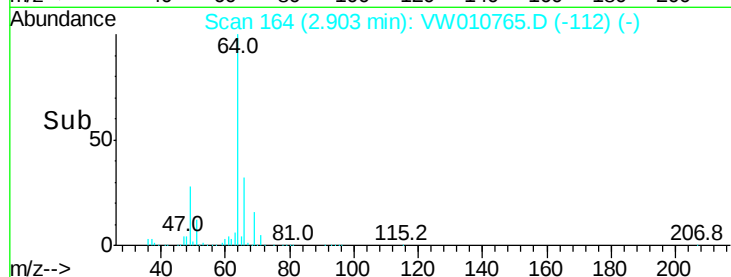
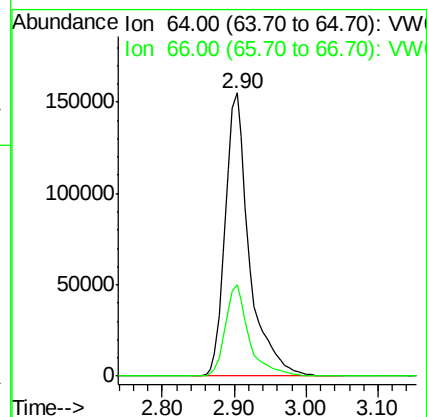
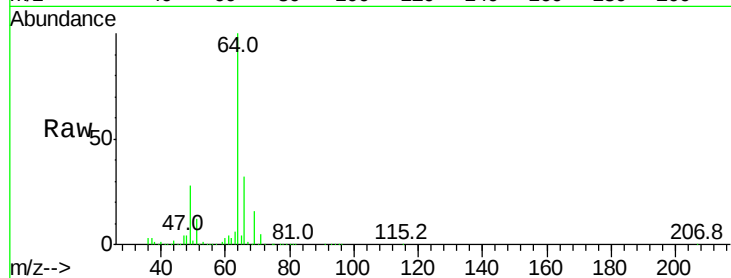
VSTD10017

Tgt Ion: 64 Resp: 360308

Ion Ratio Lower Upper

64 100

66 32.3 21.8 40.4



#9

Trichlorofluoromethane

Concen: 301.296 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW010765.D

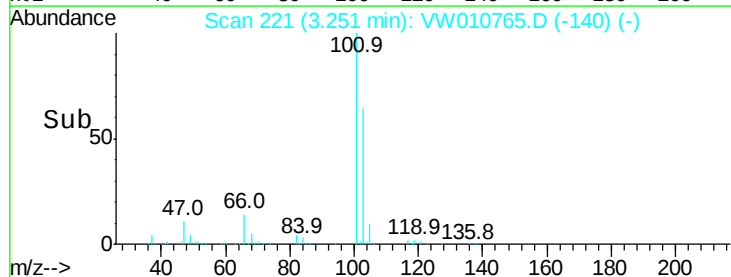
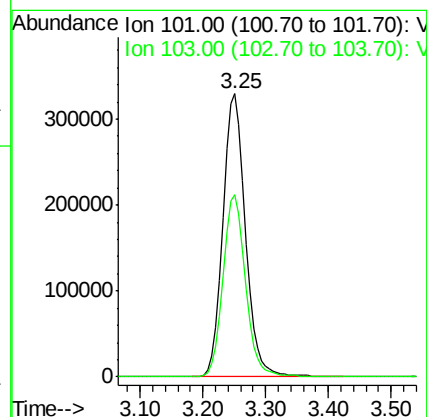
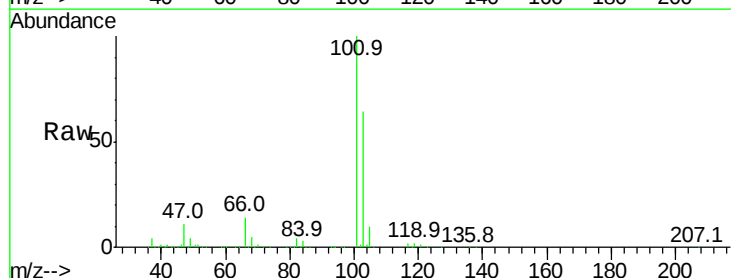
Acq: 11 Jun 2019 12:11

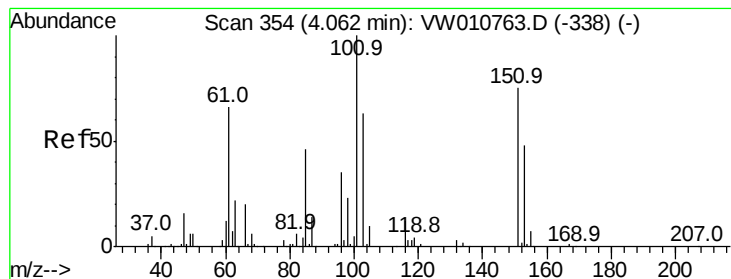
Tgt Ion: 101 Resp: 821739

Ion Ratio Lower Upper

101 100

103 64.1 45.1 83.7





#11

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

Concen: 90.419 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW010765.D

Acq: 11 Jun 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

VSTD10017

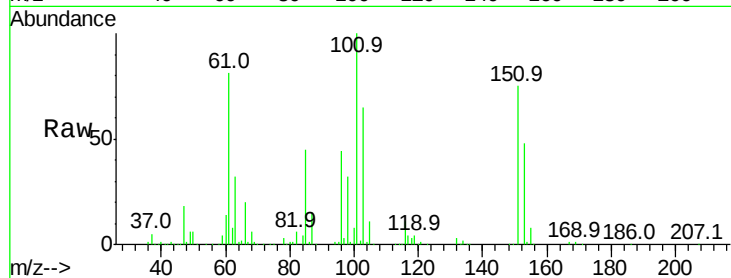
Tgt Ion:101 Resp: 467102

Ion Ratio Lower Upper

101 100

85 44.9 35.9 53.9

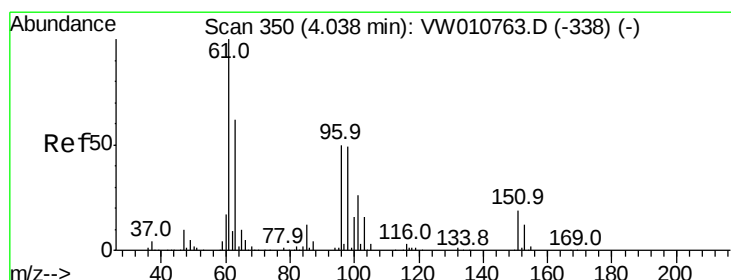
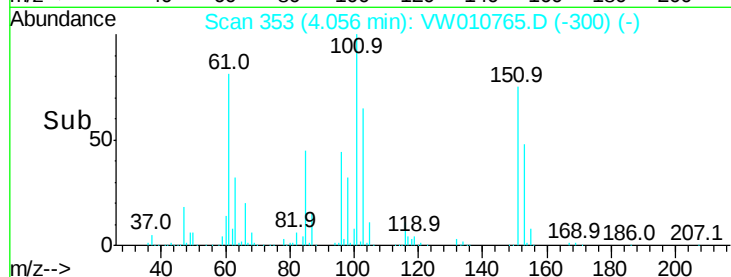
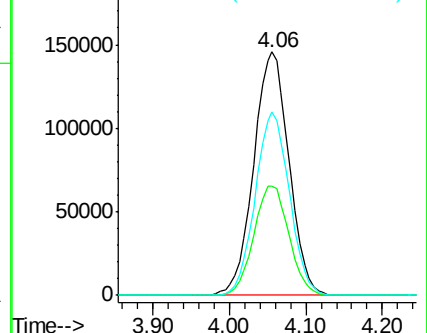
151 73.2 58.6 88.0



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: 83.650 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW010765.D

Acq: 11 Jun 2019 12:11

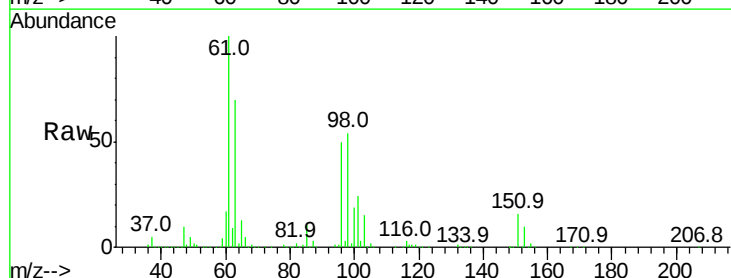
Tgt Ion: 96 Resp: 435774

Ion Ratio Lower Upper

96 100

61 198.6 139.9 259.7

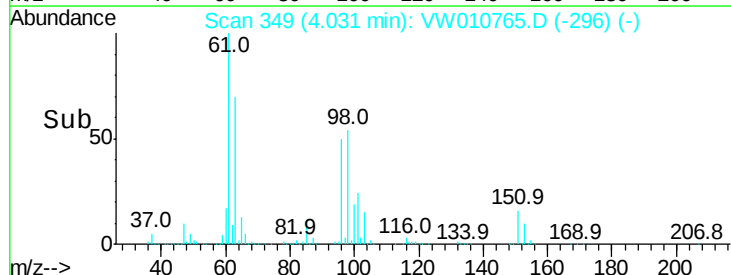
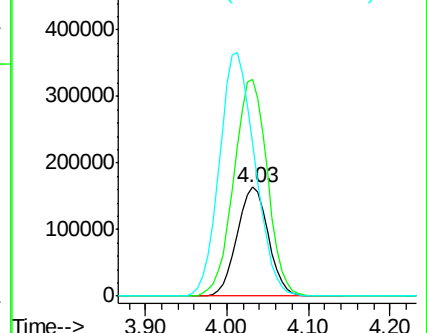
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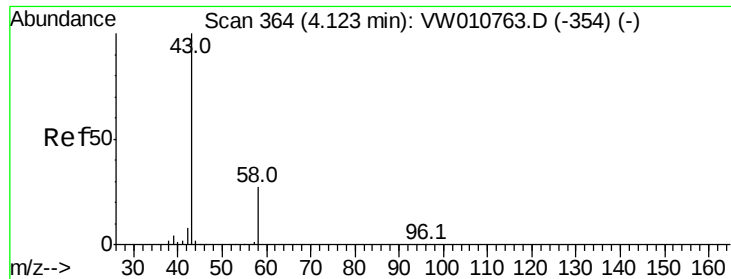


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 259.592 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

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Instrument :

MSVOA_W

ClientSampleId :

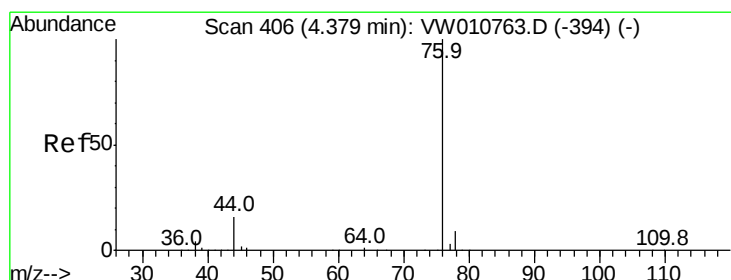
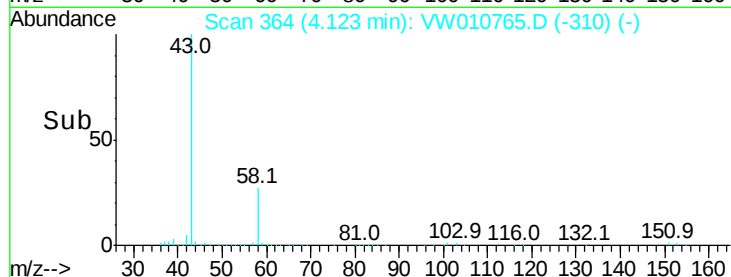
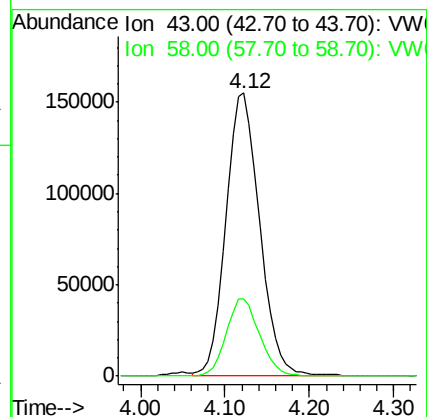
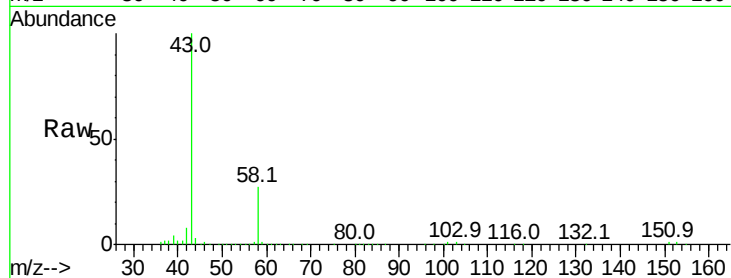
VSTD10017

Tgt Ion: 43 Resp: 421569

Ion Ratio Lower Upper

43 100

58 27.2 0.0 54.6



#14

Carbon disulfide

Concen: 86.376 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW010765.D

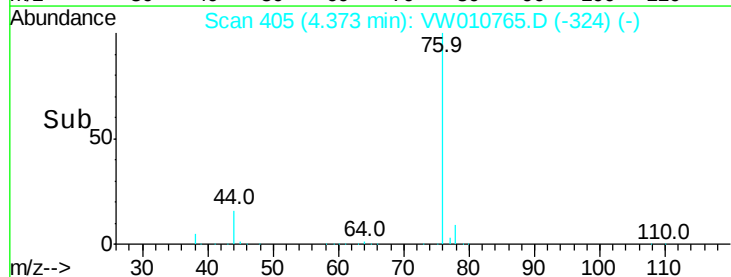
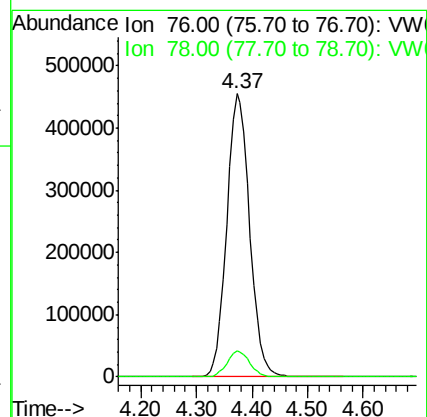
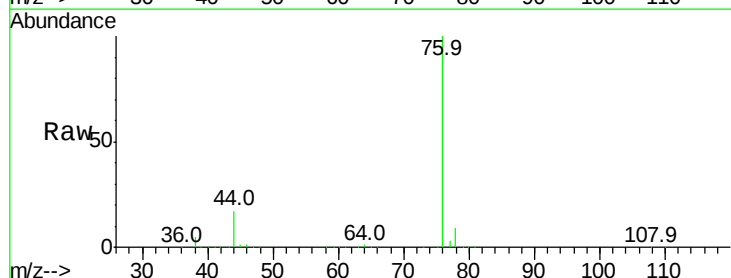
Acq: 11 Jun 2019 12:11

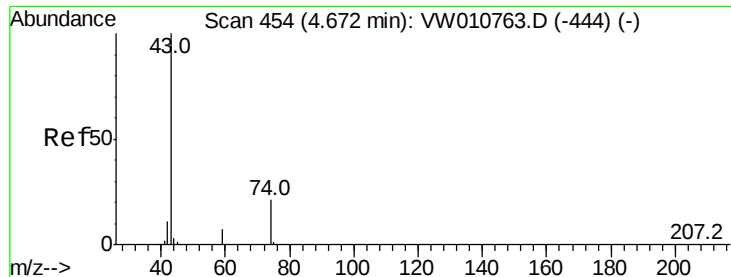
Tgt Ion: 76 Resp: 1290097

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.4

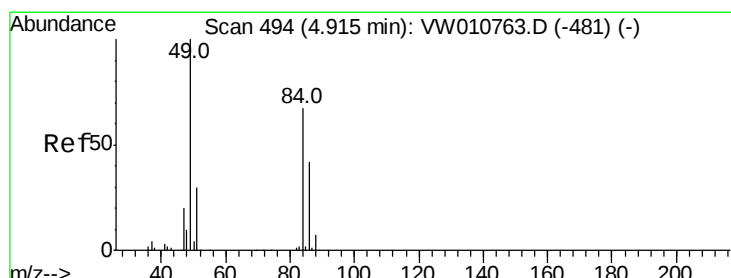
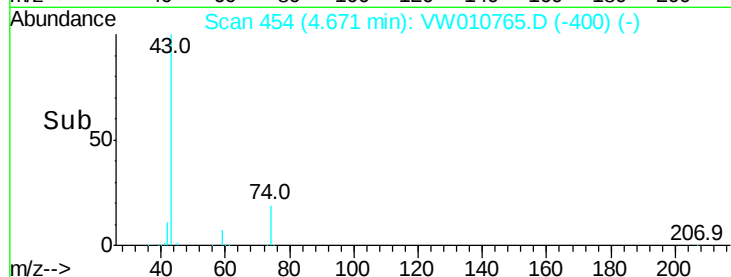
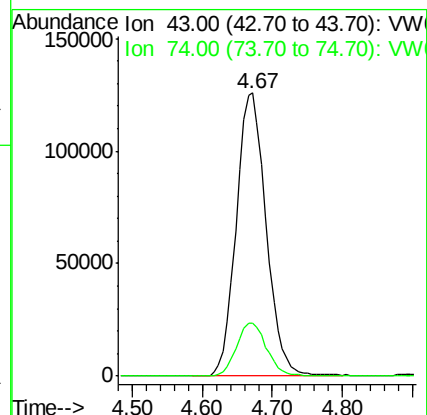
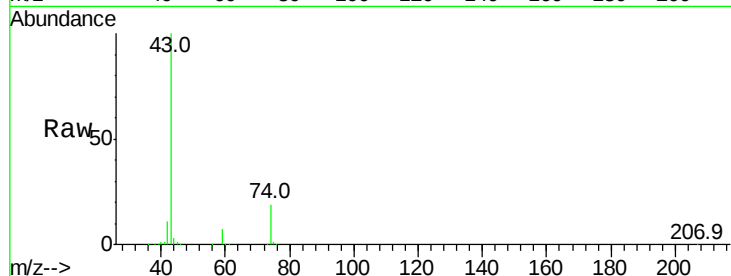




#15
Methyl Acetate
Concen: 104.747 ug/L
RT: 4.67 min Scan# 454
Delta R.T. -0.00 min
Lab File: VW010765.D
Acq: 11 Jun 2019 12:11

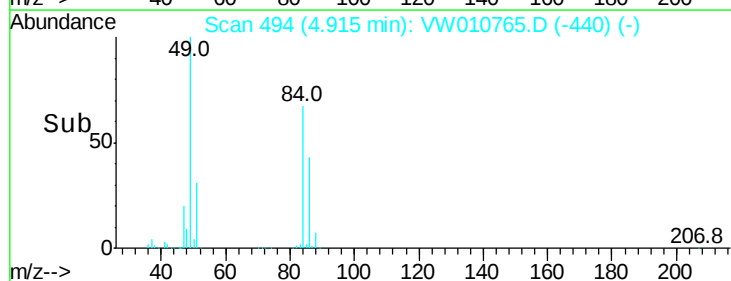
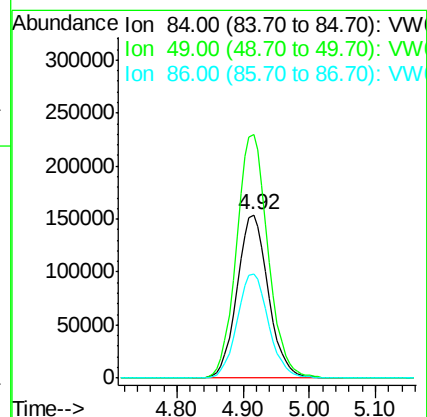
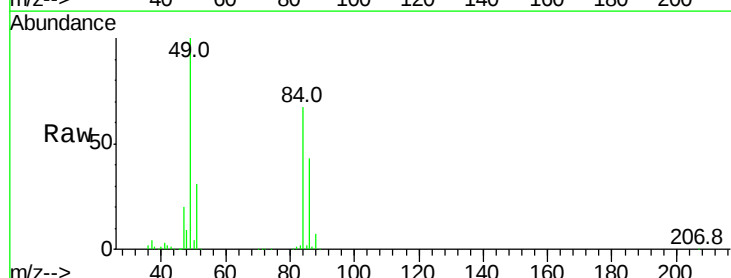
Instrument :
MSVOA_W
ClientSampleId :
VSTD10017

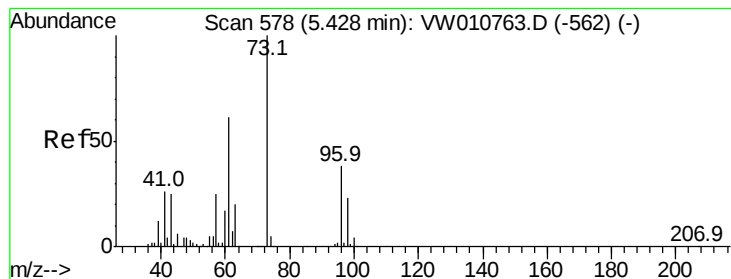
Tgt Ion: 43 Resp: 372588
Ion Ratio Lower Upper
43 100
74 19.0 15.0 22.6



#16
Methylene chloride
Concen: 78.960 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW010765.D
Acq: 11 Jun 2019 12:11

Tgt Ion: 84 Resp: 504756
Ion Ratio Lower Upper
84 100
49 148.9 105.2 195.4
86 63.8 43.7 81.1





#17

Methyl tert-butyl Ether

Concen: 215.387 ug/L

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW010765.D

Acq: 11 Jun 2019 12:11

Instrument :

MSVOA_W

ClientSampled :

VSTD10017

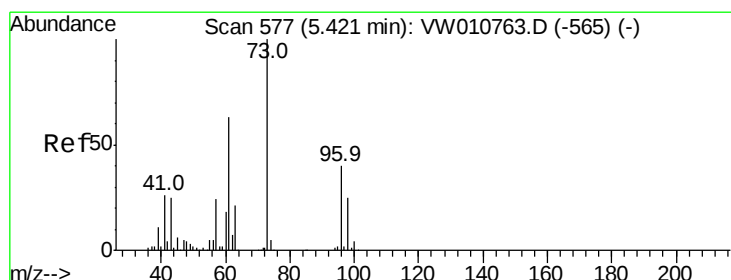
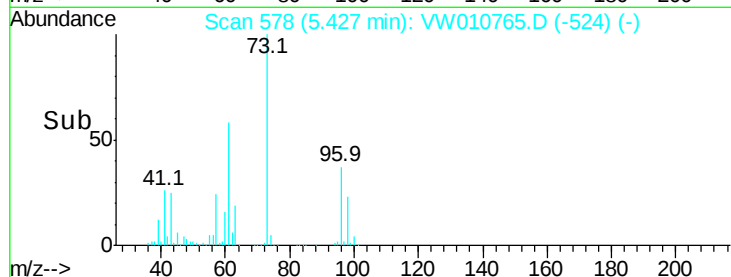
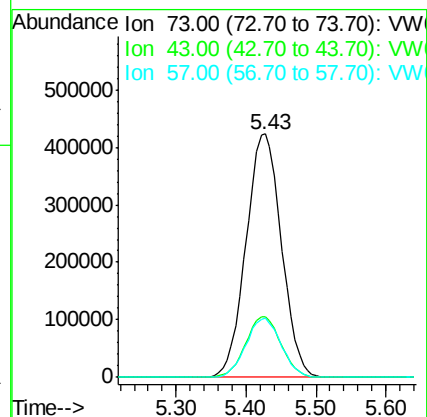
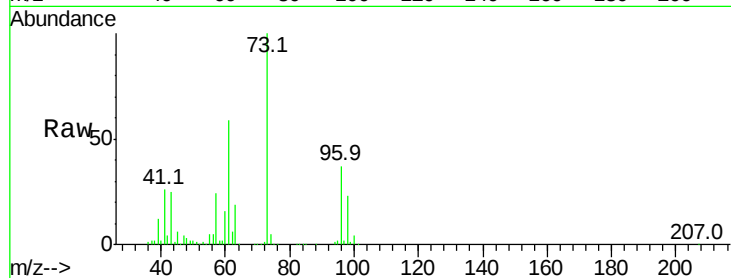
Tgt Ion: 73 Resp: 1484893

Ion Ratio Lower Upper

73 100

43 24.9 19.8 29.6

57 24.1 19.2 28.8



#18

trans-1,2-Dichloroethene

Concen: 93.338 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW010765.D

Acq: 11 Jun 2019 12:11

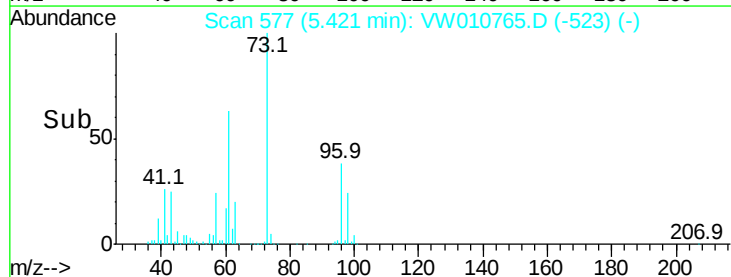
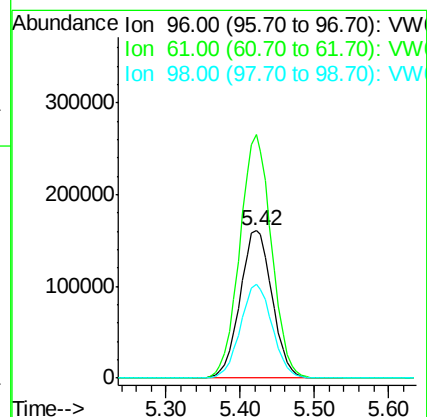
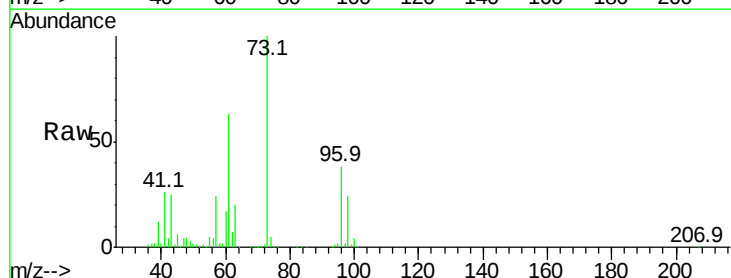
Tgt Ion: 96 Resp: 486298

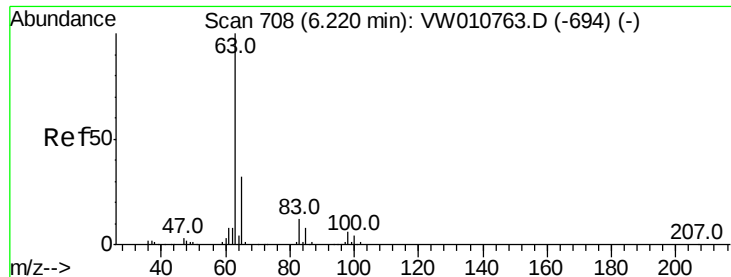
Ion Ratio Lower Upper

96 100

61 165.3 111.5 207.1

98 64.1 44.1 81.9

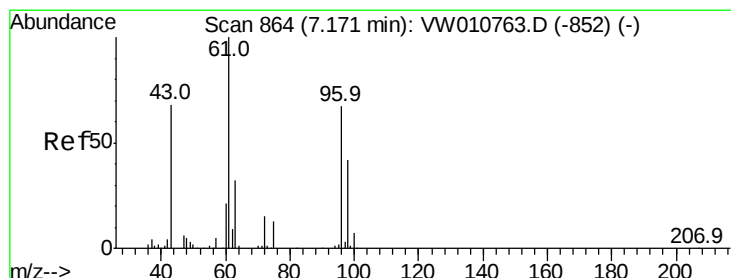
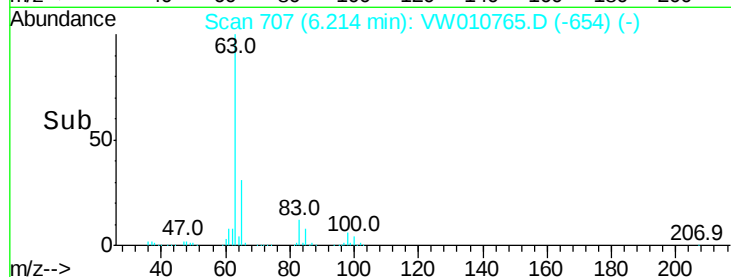
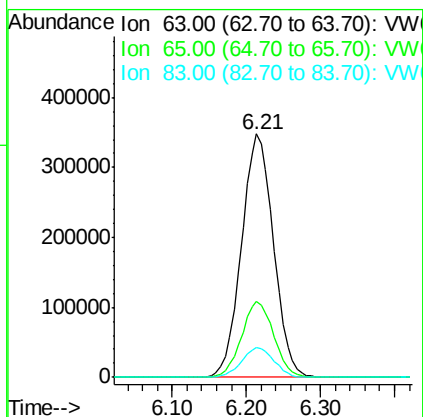
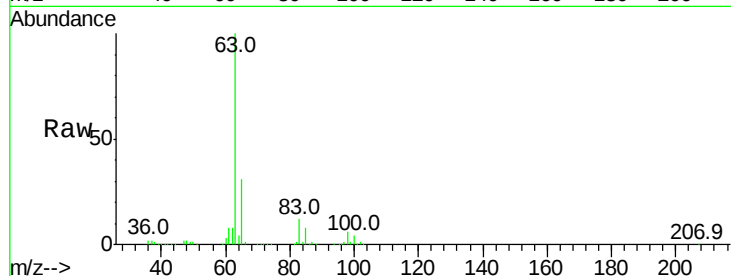




#19
 1,1-Dichloroethane
 Concen: 102.495 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VW010765.D
 Acq: 11 Jun 2019 12:11

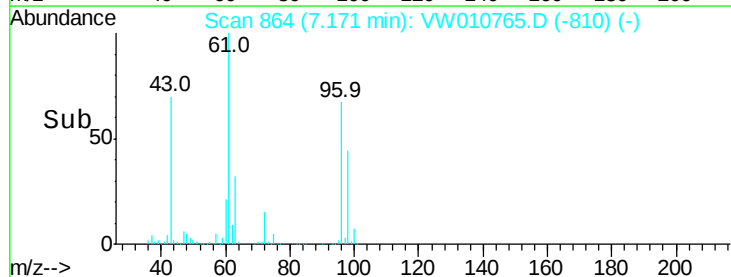
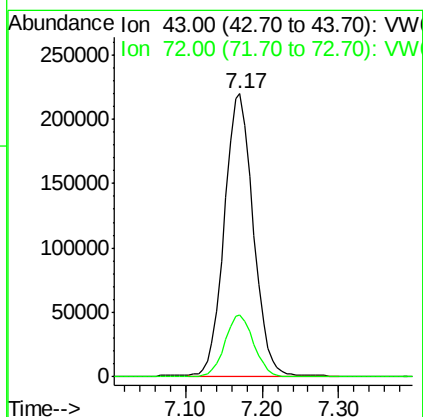
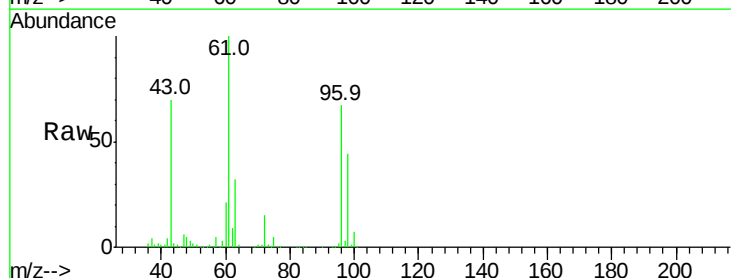
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10017

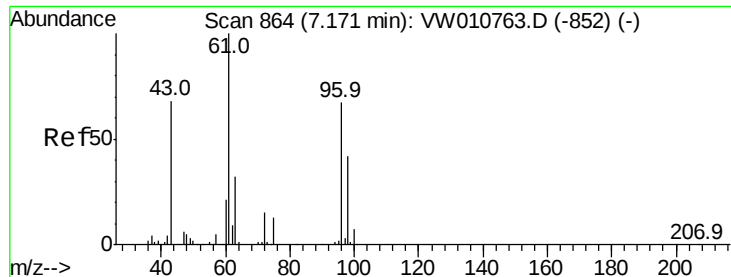
Tgt Ion: 63 Resp: 1048449
 Ion Ratio Lower Upper
 63 100
 65 31.2 22.2 41.2
 83 12.2 8.6 16.0



#21
 2-Butanone
 Concen: 231.859 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW010765.D
 Acq: 11 Jun 2019 12:11

Tgt Ion: 43 Resp: 574425
 Ion Ratio Lower Upper
 43 100
 72 21.9 11.0 33.0



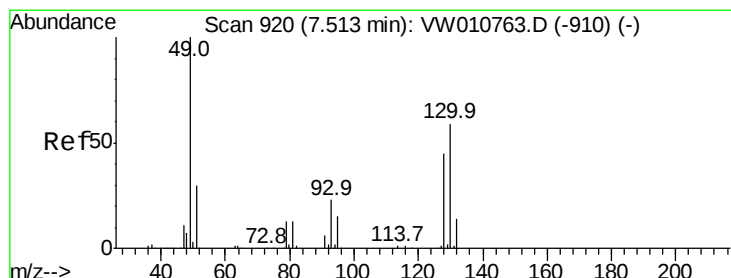
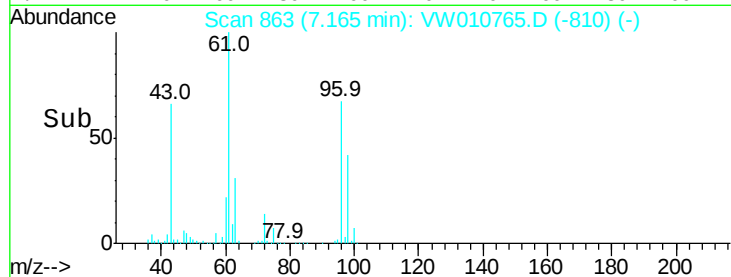
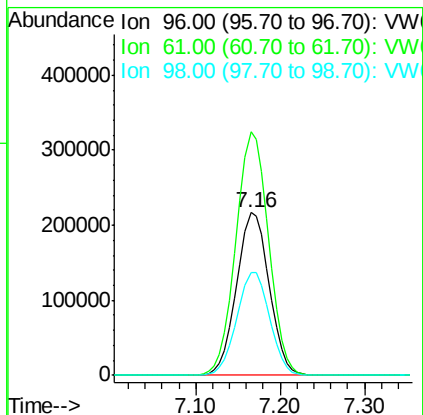
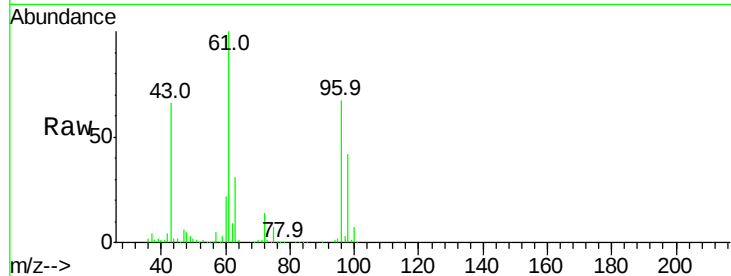


#22

cis-1,2-Dichloroethene
Concen: 100.752 ug/L
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW010765.D
Acq: 11 Jun 2019 12:11

Instrument :
MSVOA_W
ClientSampleId :
VSTD10017

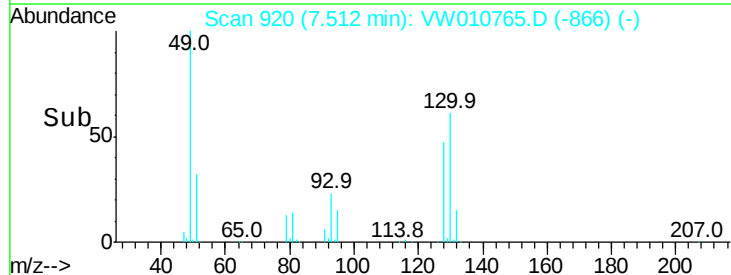
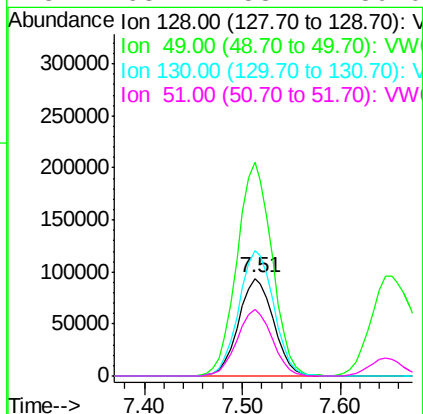
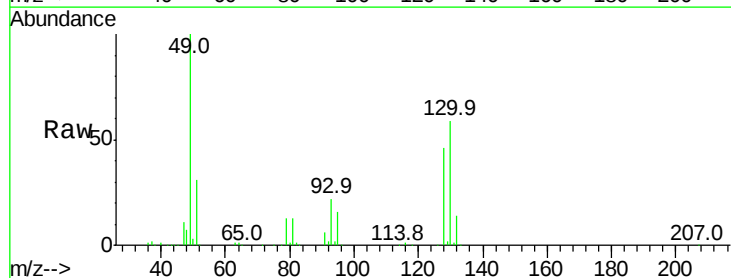
Tgt Ion: 96 Resp: 567885
Ion Ratio Lower Upper
96 100
61 149.6 105.3 195.6
98 63.4 44.6 82.8

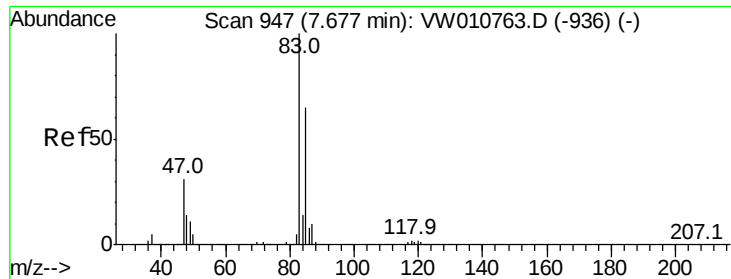


#23

Bromochloromethane
Concen: 90.223 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW010765.D
Acq: 11 Jun 2019 12:11

Tgt Ion: 128 Resp: 232955
Ion Ratio Lower Upper
128 100
49 218.5 155.1 288.1
130 128.2 91.3 169.6
51 68.4 53.4 80.0





#25

Chloroform

Concen: 104.661 ug/L

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW010765.D

Acq: 11 Jun 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

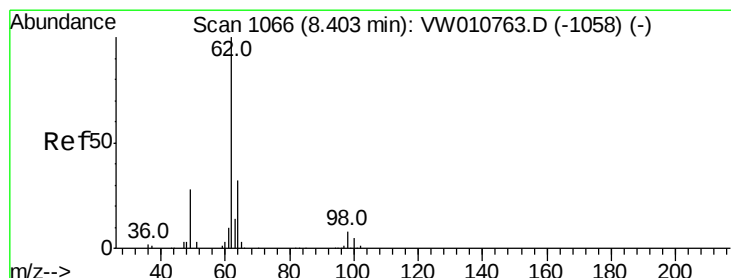
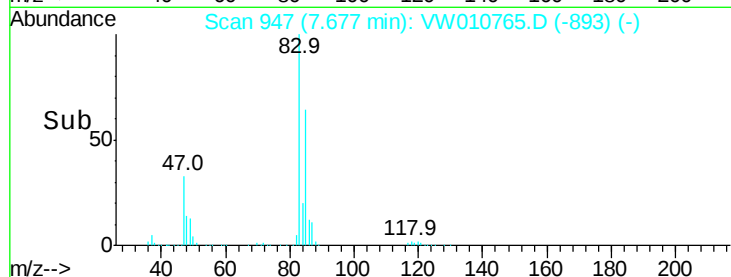
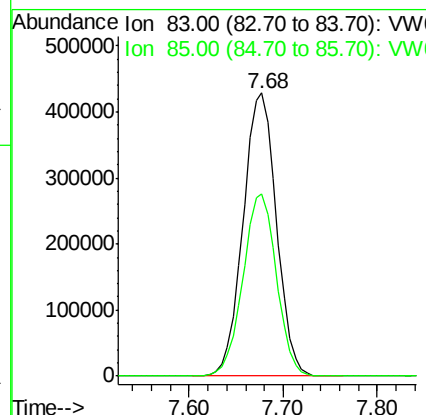
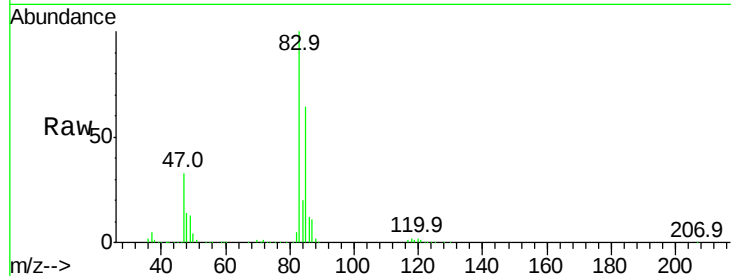
VSTD10017

Tgt Ion: 83 Resp: 1058765

Ion Ratio Lower Upper

83 100

85 64.8 45.4 84.4



#27

1,2-Dichloroethane

Concen: 102.157 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW010765.D

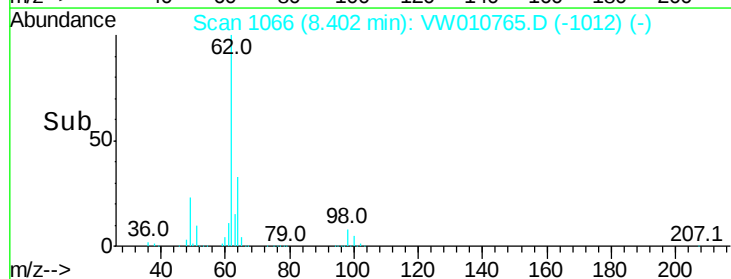
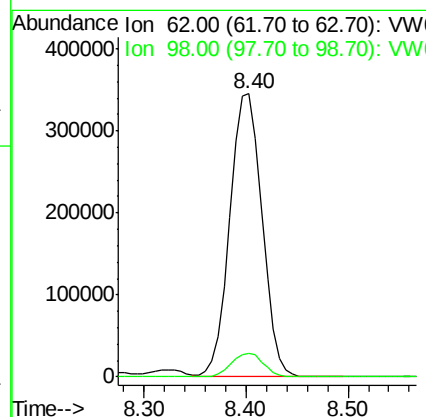
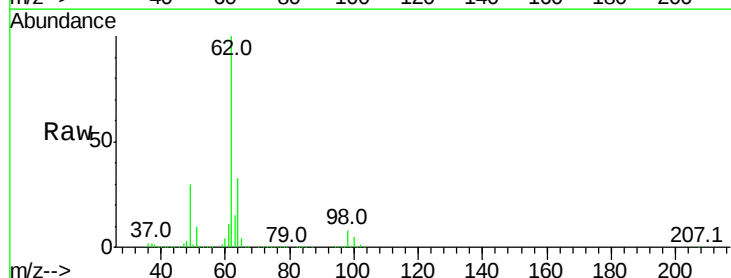
Acq: 11 Jun 2019 12:11

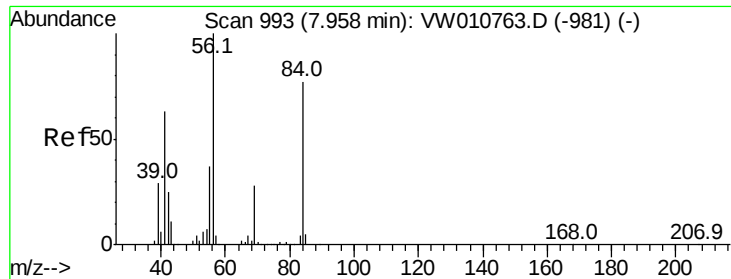
Tgt Ion: 62 Resp: 756333

Ion Ratio Lower Upper

62 100

98 8.3 6.6 10.0

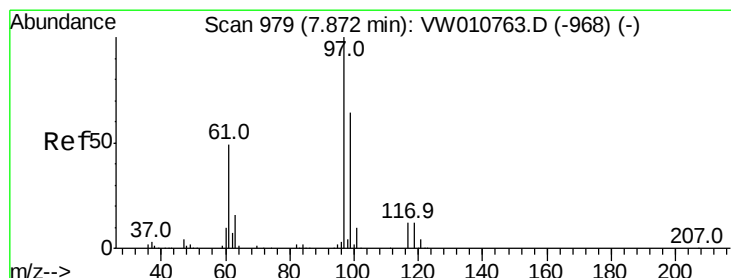
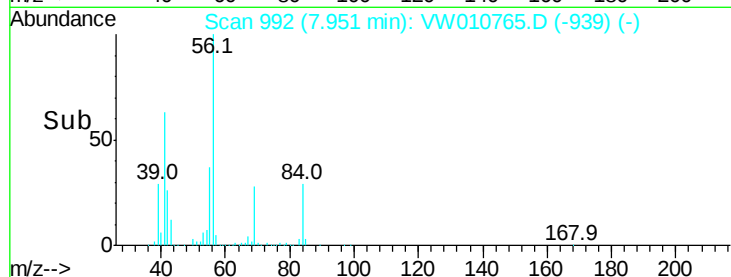
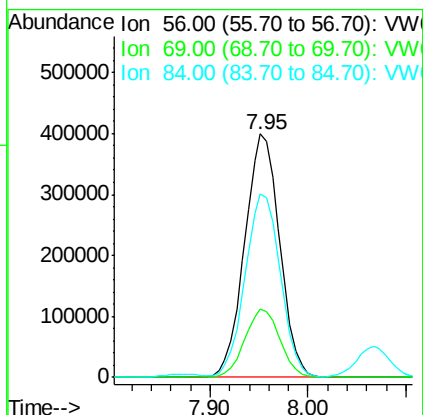
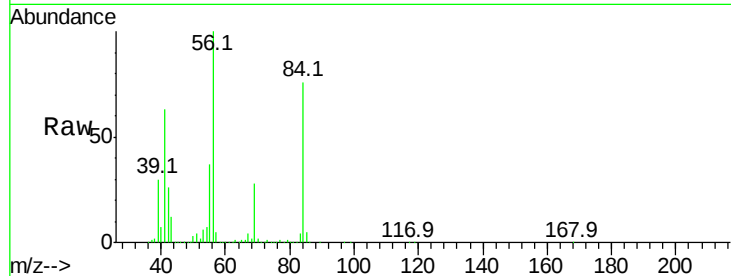




#30
Cyclohexane
Concen: 112.995 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW010765.D
Acq: 11 Jun 2019 12:11

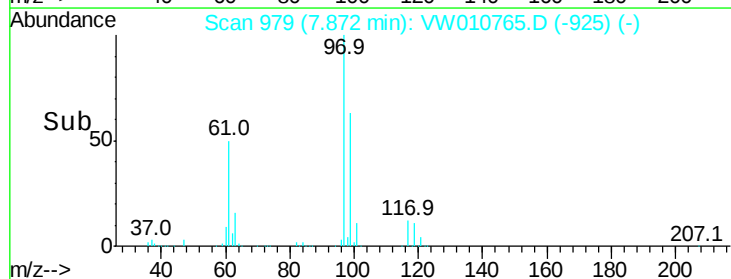
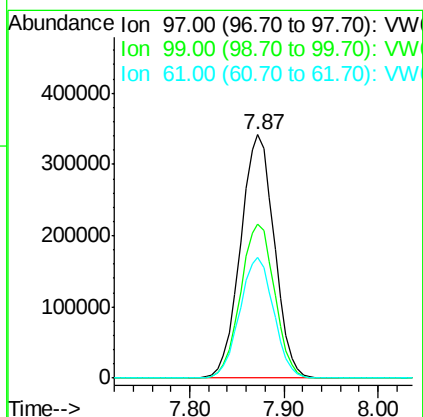
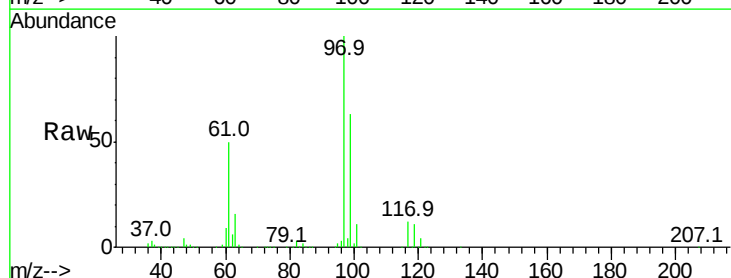
Instrument :
MSVOA_W
ClientSampleId :
VSTD10017

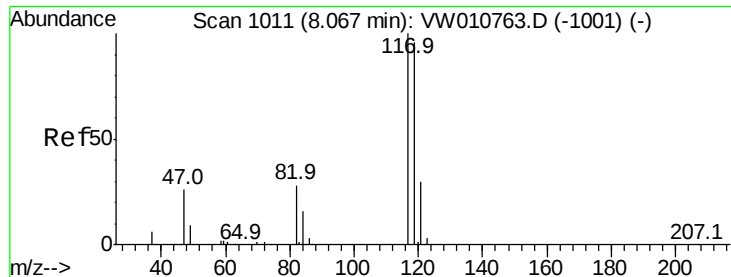
Tgt Ion: 56 Resp: 992583
Ion Ratio Lower Upper
56 100
69 28.2 22.6 33.8
84 76.4 61.1 91.7



#31
1,1,1-Trichloroethane
Concen: 115.503 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW010765.D
Acq: 11 Jun 2019 12:11

Tgt Ion: 97 Resp: 852043
Ion Ratio Lower Upper
97 100
99 63.7 51.0 76.4
61 49.7 40.4 60.6





#32

Carbon tetrachloride

Concen: 94.632 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW010765.D

Acq: 11 Jun 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

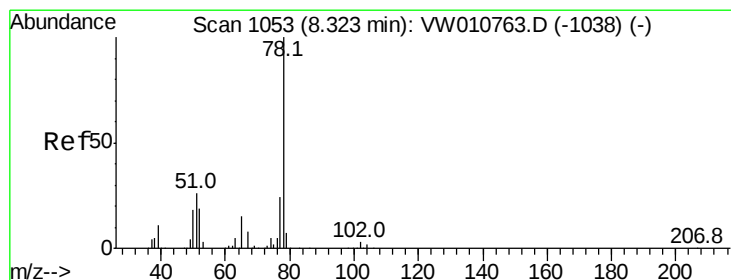
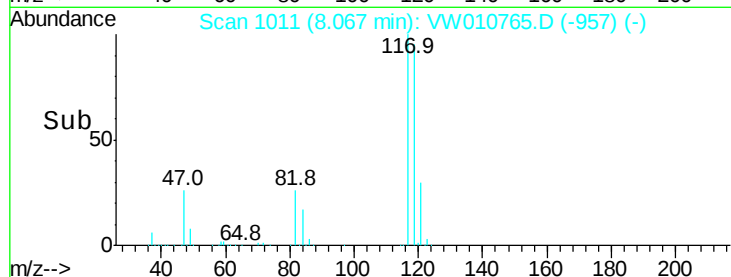
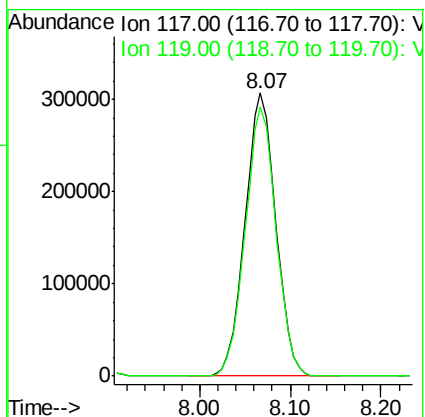
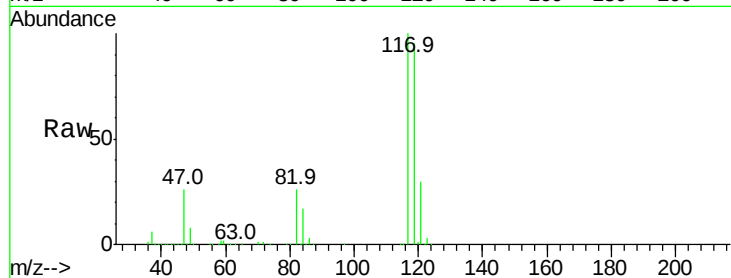
VSTD10017

Tgt Ion:117 Resp: 718952

Ion Ratio Lower Upper

117 100

119 95.2 77.0 115.4



#34

Benzene

Concen: 97.962 ug/L

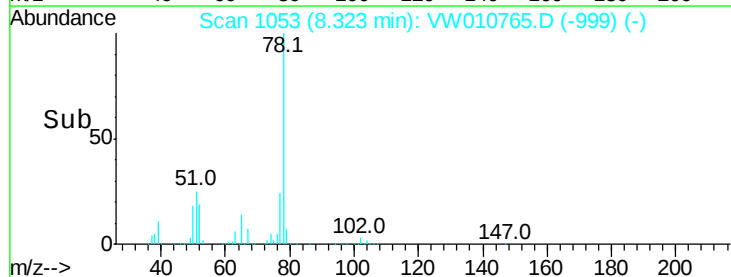
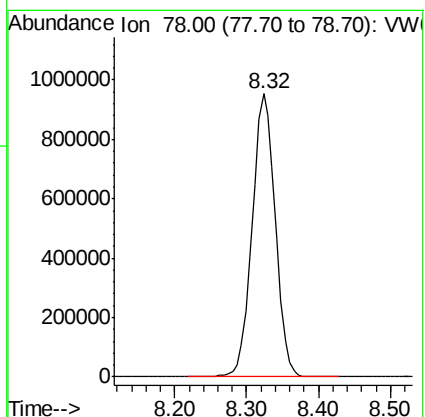
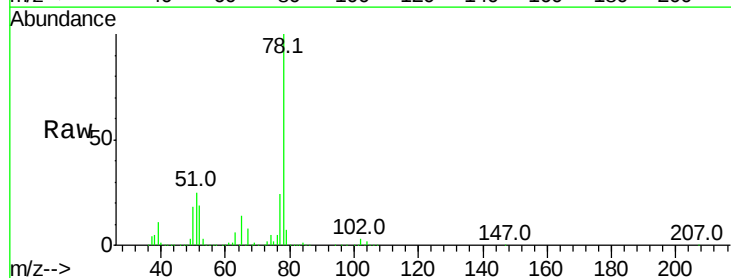
RT: 8.32 min Scan# 1053

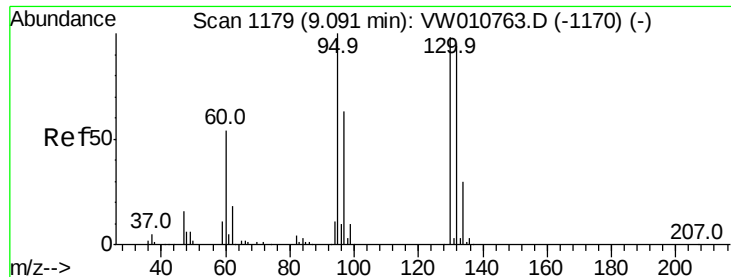
Delta R.T. -0.00 min

Lab File: VW010765.D

Acq: 11 Jun 2019 12:11

Tgt Ion: 78 Resp: 2121580





#35

Trichloroethene

Concen: 97.332 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW010765.D

Acq: 11 Jun 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

VSTD10017

Tgt Ion: 95 Resp: 544542

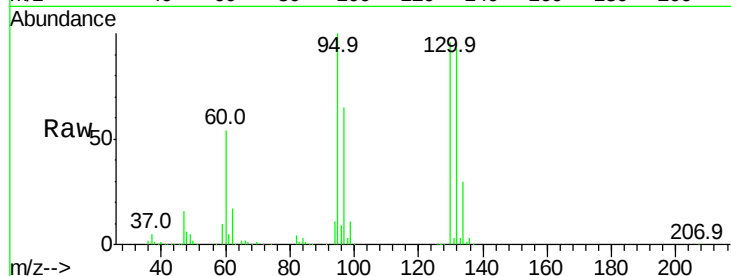
Ion Ratio Lower Upper

95 100

97 64.2 45.4 84.2

132 92.7 65.0 120.6

130 95.7 68.3 126.9

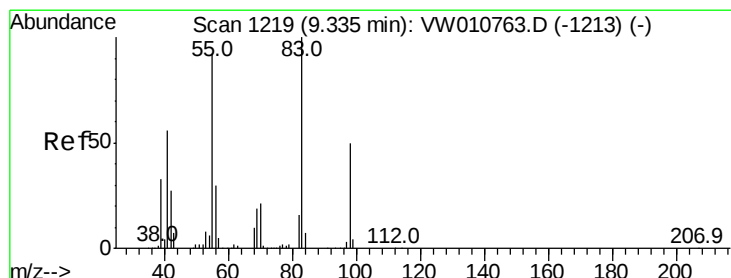
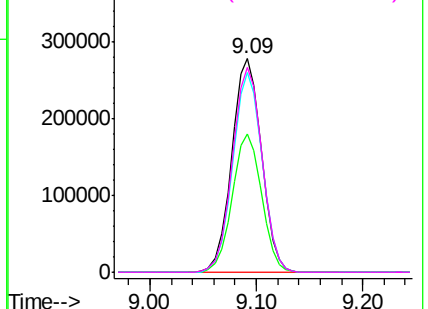
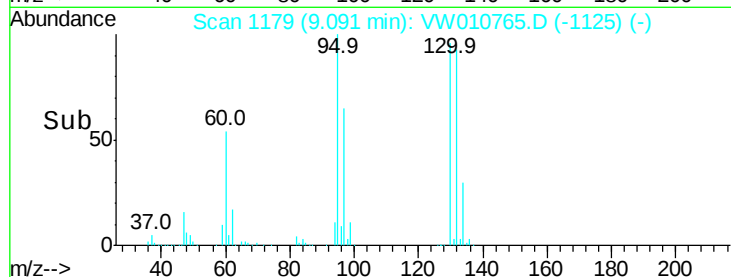


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 99.523 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW010765.D

Acq: 11 Jun 2019 12:11

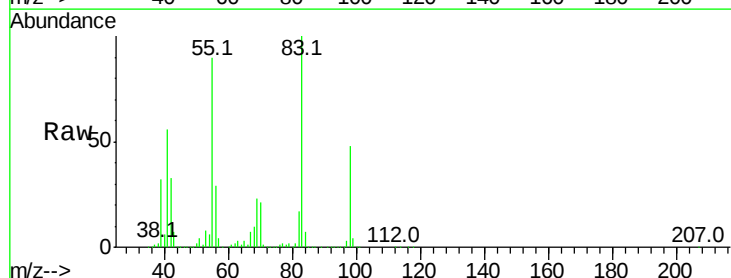
Tgt Ion: 83 Resp: 934391

Ion Ratio Lower Upper

83 100

55 89.0 71.6 107.4

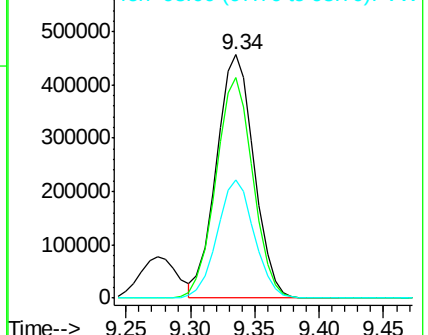
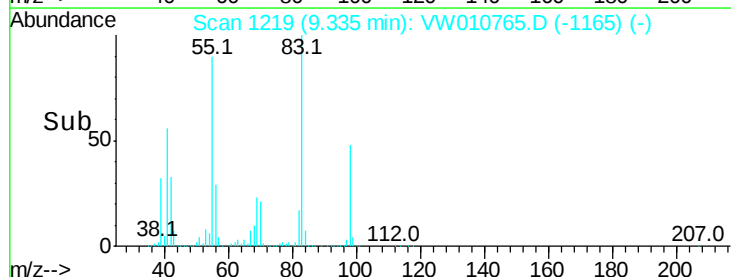
98 47.8 38.2 57.2

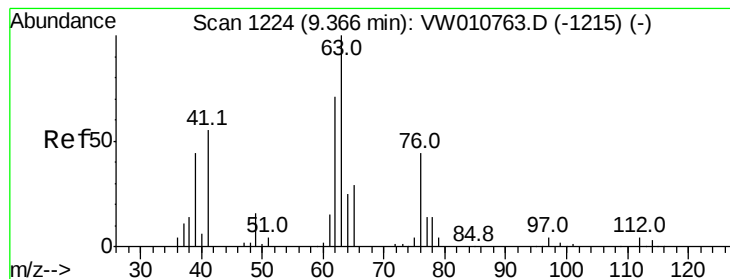


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 107.705 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW010765.D

Acq: 11 Jun 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

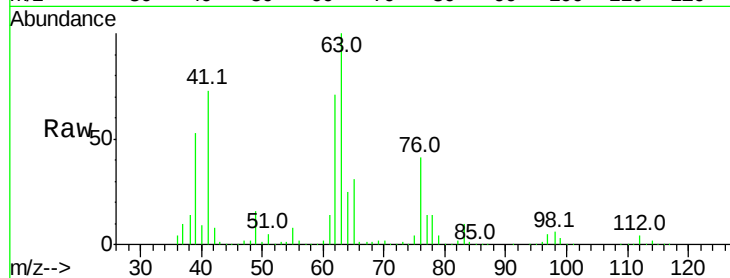
VSTD10017

Tgt Ion: 63 Resp: 605441

Ion Ratio Lower Upper

63 100

112 3.9 3.1 4.7



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V

300000

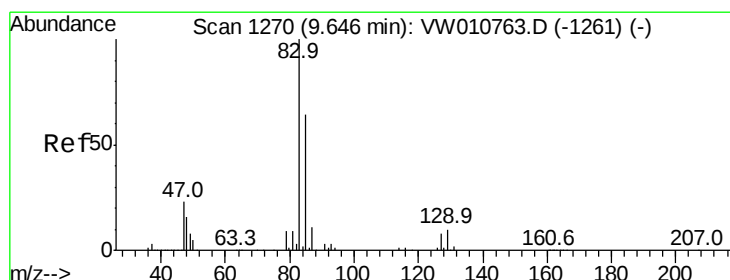
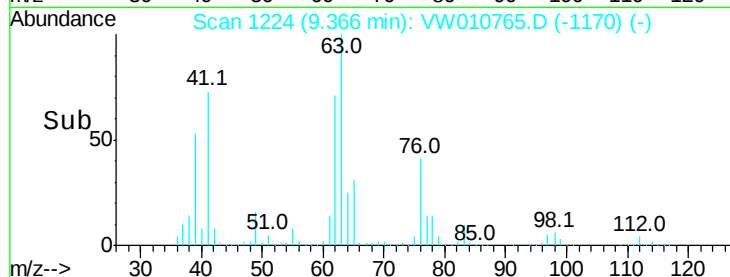
200000

100000

0

9.25 9.30 9.35 9.40 9.45

Time-->



#41

Bromodichloromethane

Concen: 104.881 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW010765.D

Acq: 11 Jun 2019 12:11

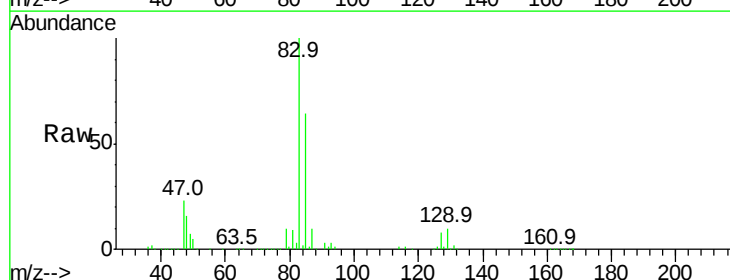
Tgt Ion: 83 Resp: 763448

Ion Ratio Lower Upper

83 100

85 63.8 44.7 82.9

127 8.1 6.6 10.0



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

500000

400000

300000

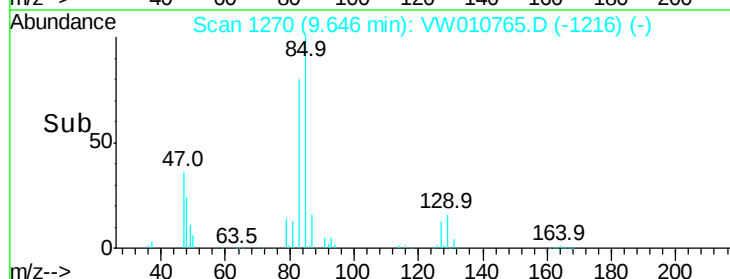
200000

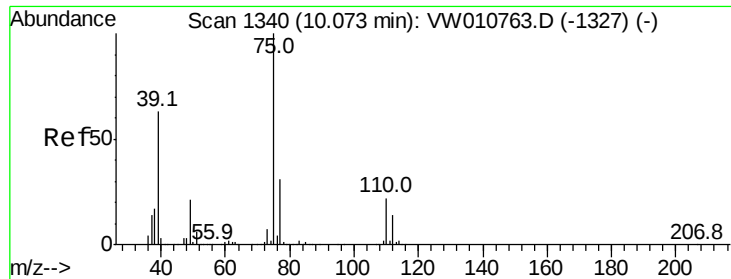
100000

0

9.60 9.70

Time-->

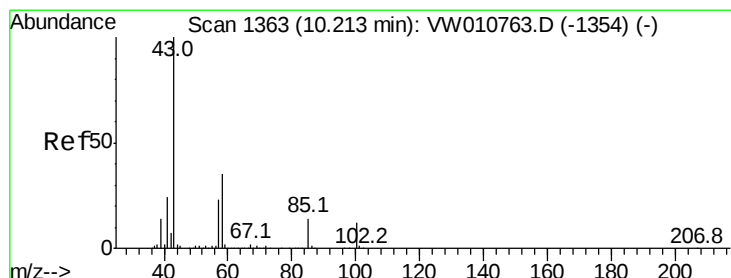
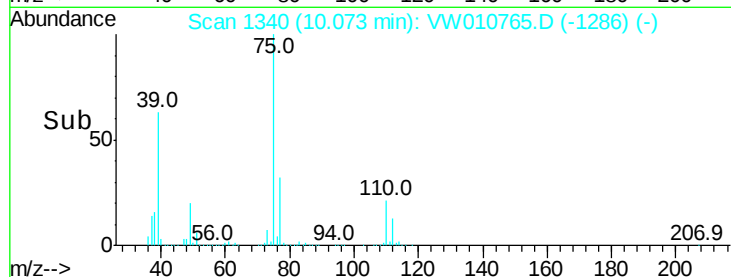
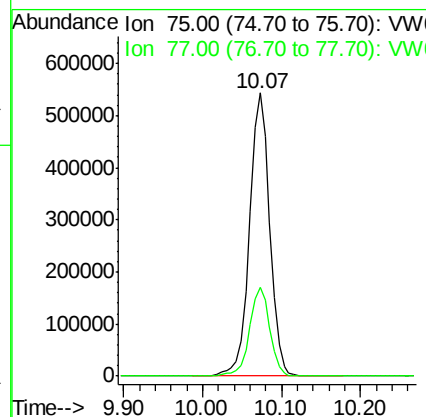
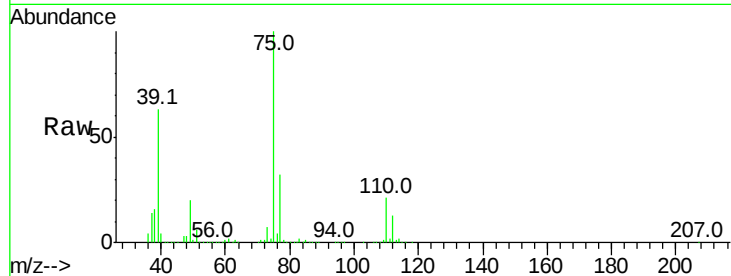




#42
 cis-1,3-Dichloropropene
 Concen: 113.944 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW010765.D
 Acq: 11 Jun 2019 12:11

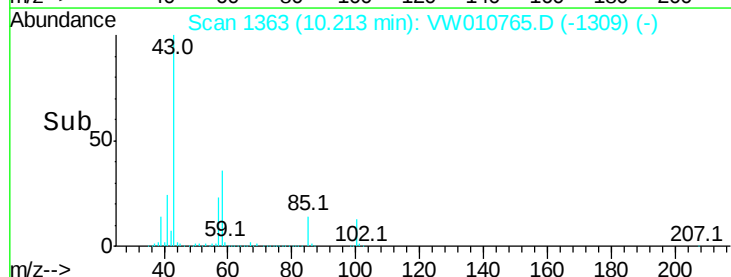
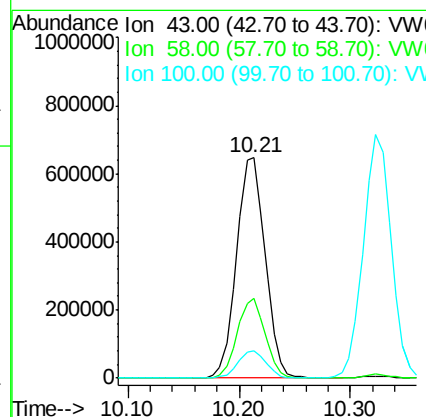
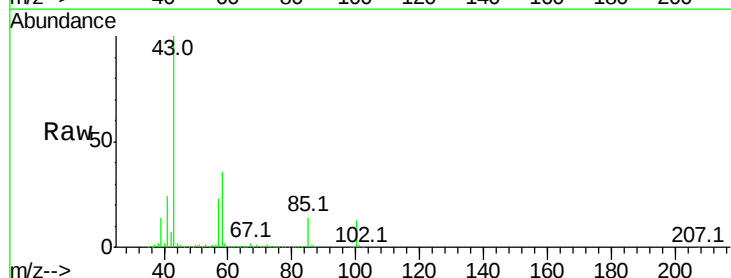
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10017

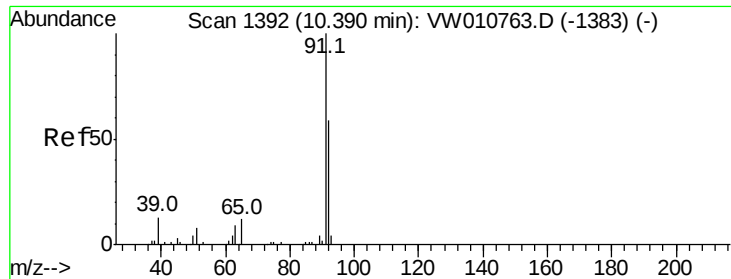
Tgt Ion: 75 Resp: 964836
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.0 41.0



#43
 4-Methyl-2-pentanone
 Concen: 240.109 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW010765.D
 Acq: 11 Jun 2019 12:11

Tgt Ion: 43 Resp: 1151507
 Ion Ratio Lower Upper
 43 100
 58 35.2 28.0 42.0
 100 12.2 9.8 14.6





#44

Toluene

Concen: 99.240 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010765.D

Acq: 11 Jun 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

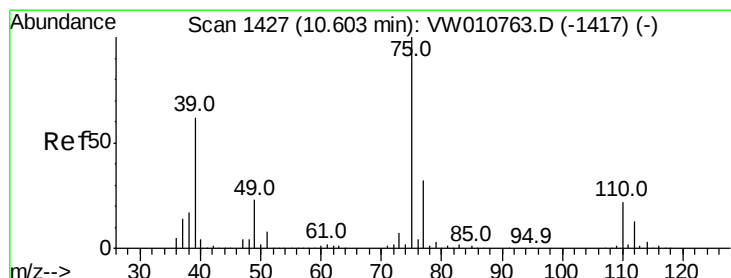
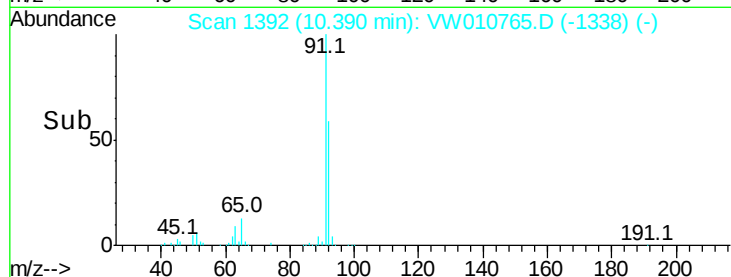
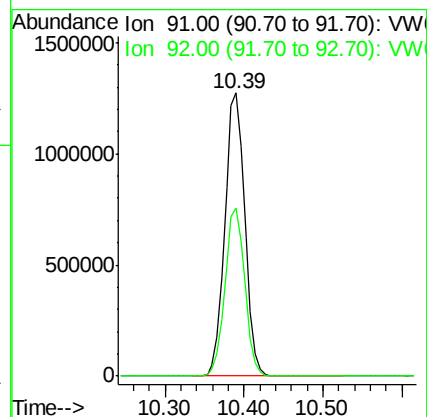
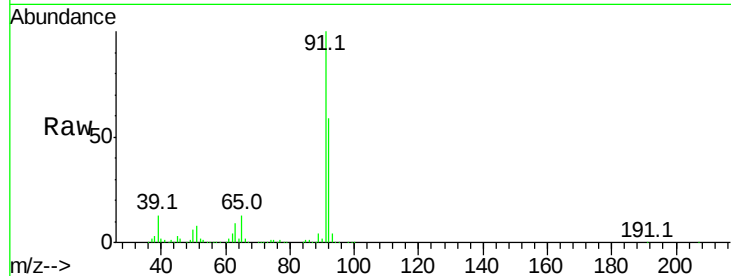
VSTD10017

Tgt Ion: 91 Resp: 2237286

Ion Ratio Lower Upper

91 100

92 59.5 41.0 76.2



#45

trans-1,3-Dichloropropene

Concen: 114.405 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010765.D

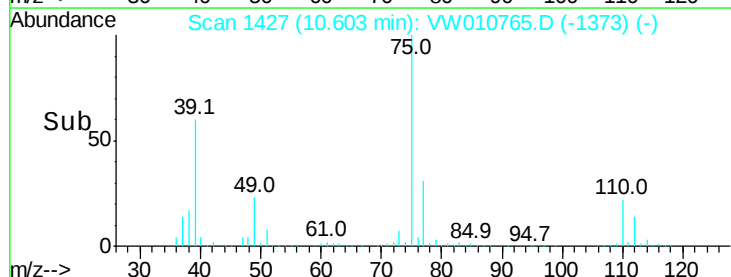
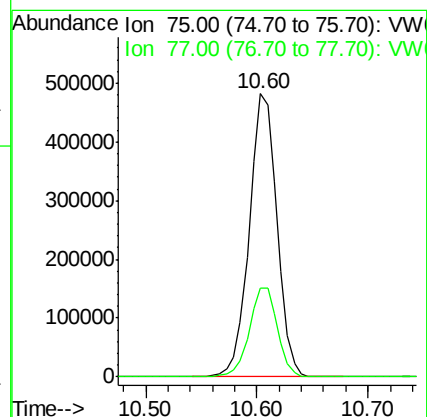
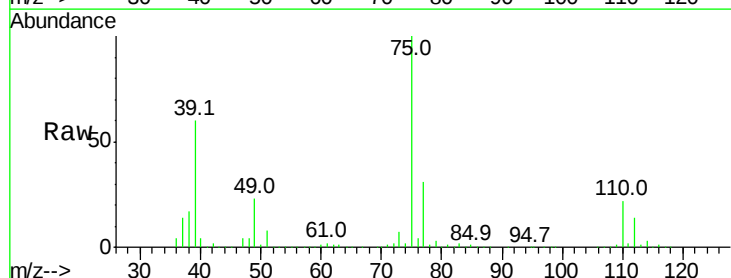
Acq: 11 Jun 2019 12:11

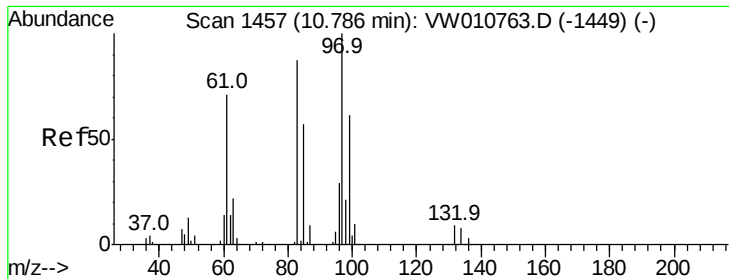
Tgt Ion: 75 Resp: 833573

Ion Ratio Lower Upper

75 100

77 31.4 22.5 41.7





#46

1,1,2-Trichloroethane

Concen: 100.894 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW010765.D

Acq: 11 Jun 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

VSTD10017

Tgt Ion: 97 Resp: 431891

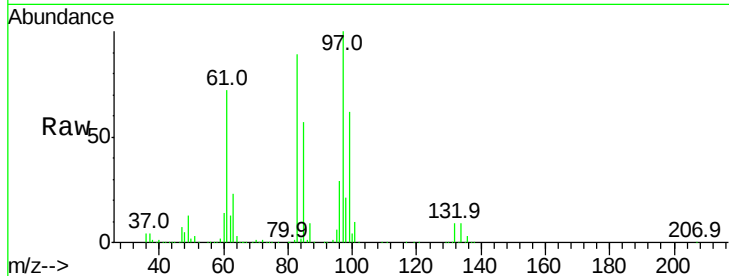
Ion Ratio Lower Upper

97 100

83 89.0 60.8 113.0

85 57.2 39.8 73.8

99 61.8 42.7 79.3

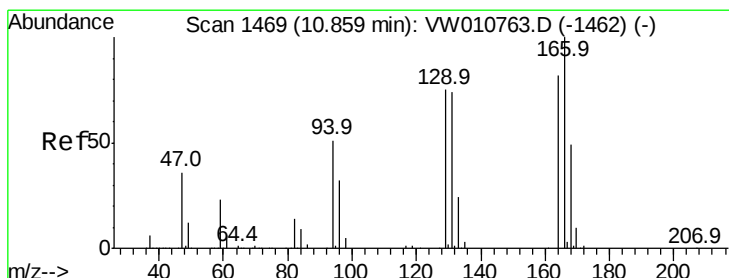
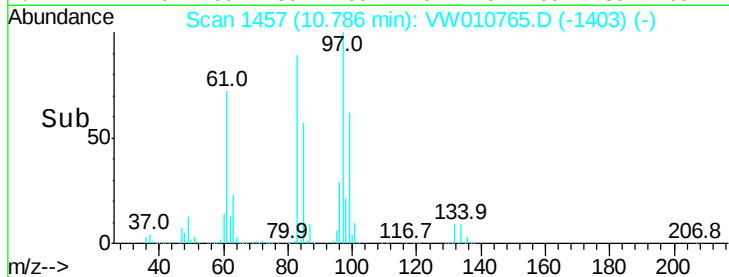
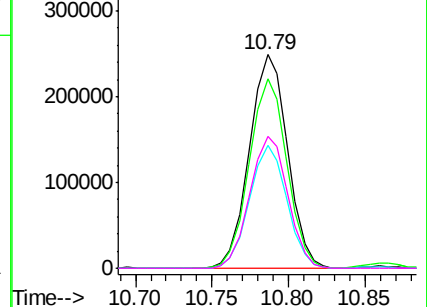


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 93.831 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW010765.D

Acq: 11 Jun 2019 12:11

Tgt Ion: 164 Resp: 404149

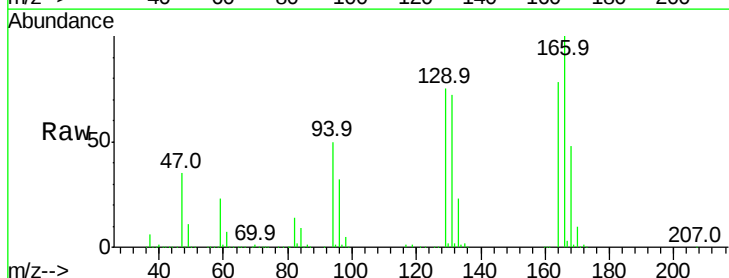
Ion Ratio Lower Upper

164 100

129 96.1 64.5 119.7

131 92.4 63.6 118.0

166 128.3 85.8 159.3

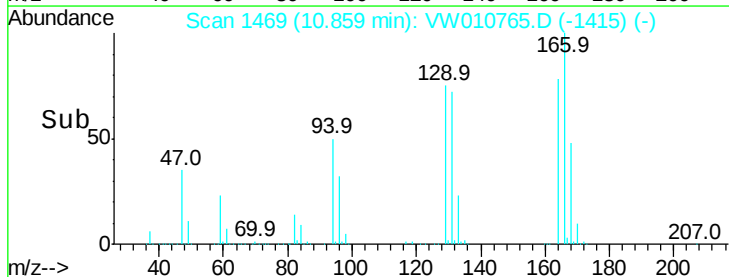
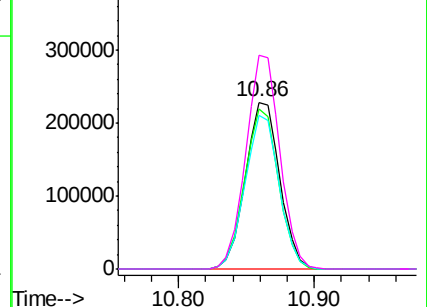


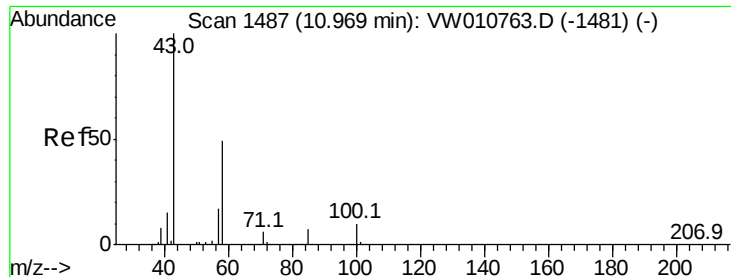
Abundance Ion 164.00 (163.70 to 164.70): V

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: 245.753 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW010765.D

Acq: 11 Jun 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

VSTD10017

Tgt Ion: 43 Resp: 869528

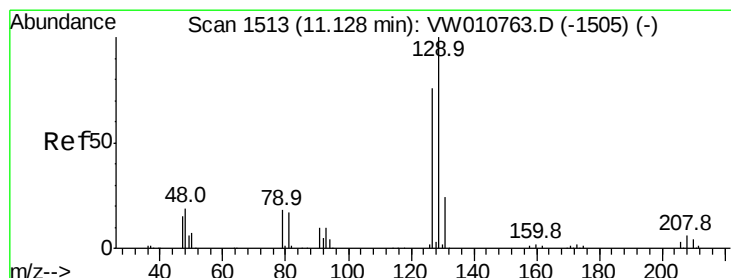
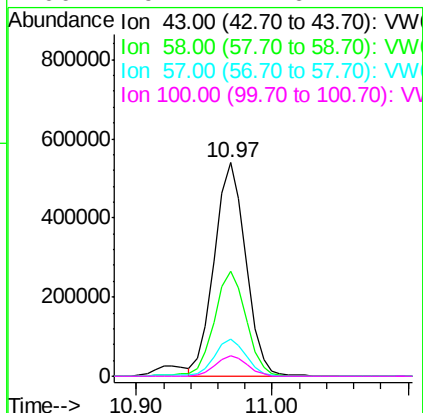
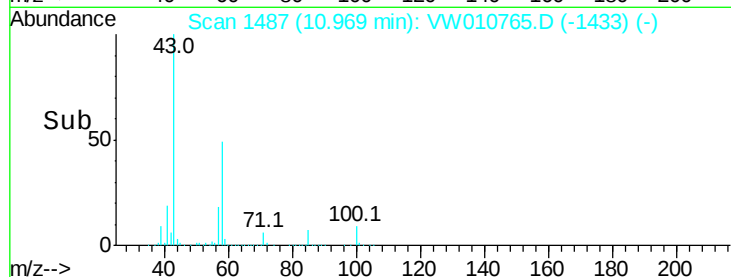
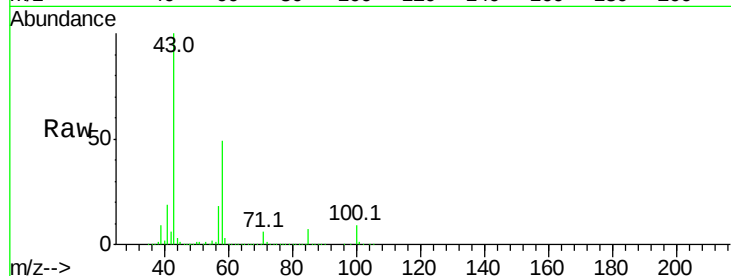
Ion Ratio Lower Upper

43 100

58 49.0 39.5 59.3

57 17.2 13.8 20.8

100 9.7 7.6 11.4



#50

Dibromochloromethane

Concen: 105.003 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW010765.D

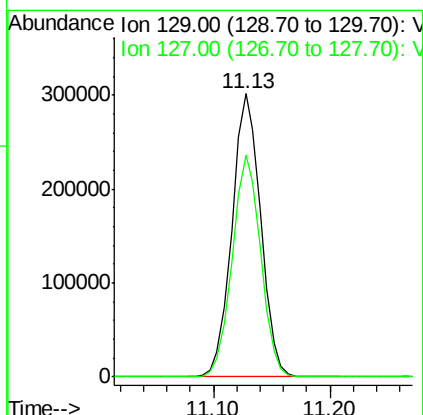
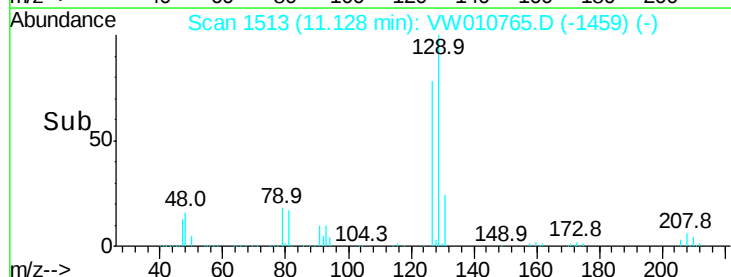
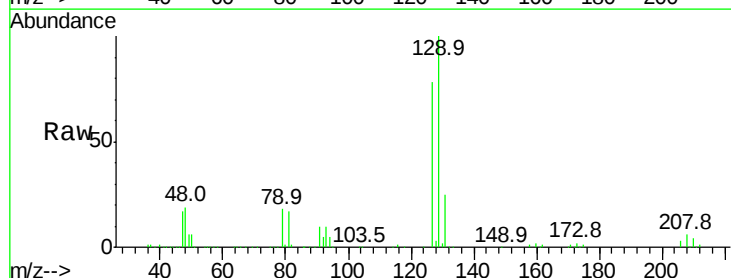
Acq: 11 Jun 2019 12:11

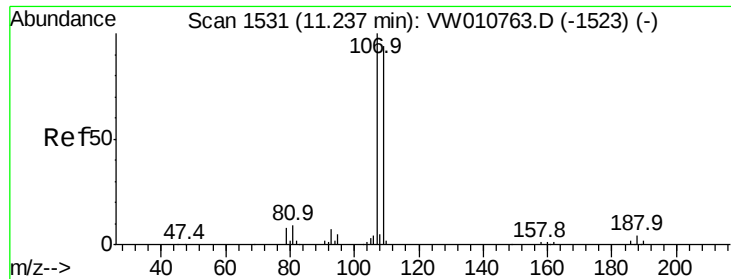
Tgt Ion: 129 Resp: 516297

Ion Ratio Lower Upper

129 100

127 78.2 53.1 98.7

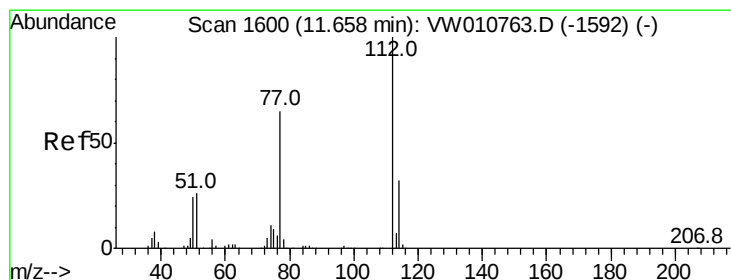
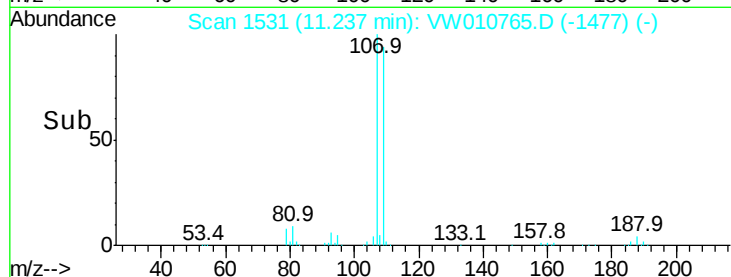
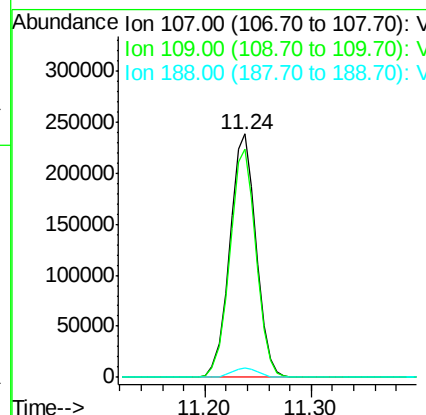
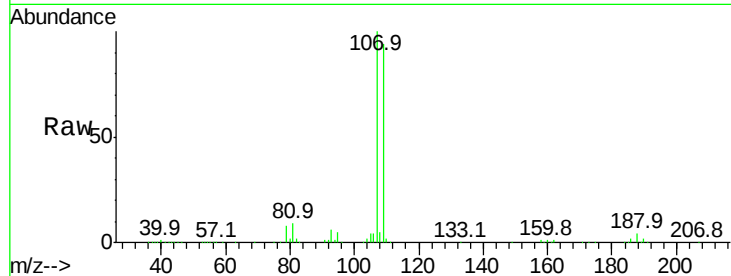




#51
1,2-Dibromoethane
Concen: 98.236 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW010765.D
Acq: 11 Jun 2019 12:11

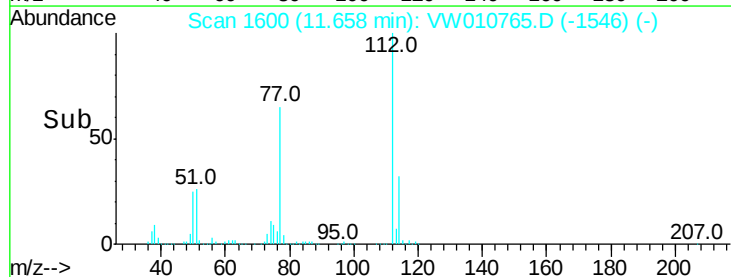
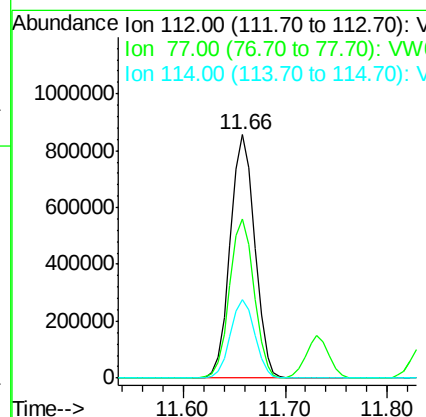
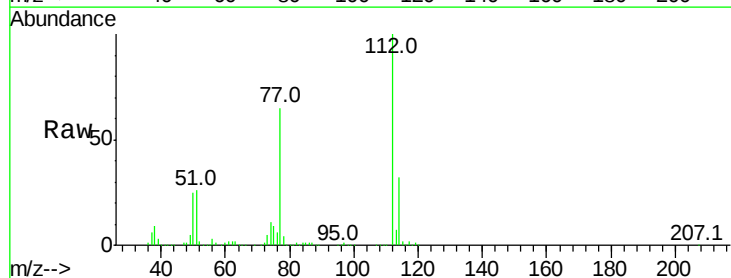
Instrument :
MSVOA_W
ClientSampleId :
VSTD10017

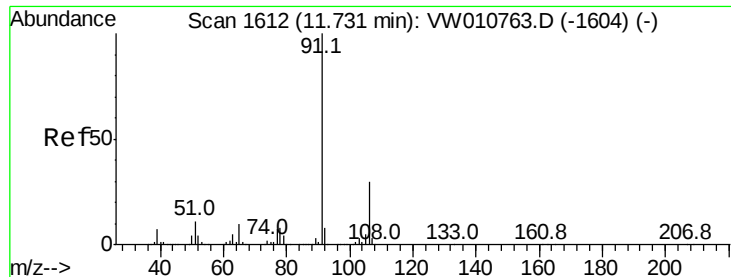
Tgt Ion:107 Resp: 410462
Ion Ratio Lower Upper
107 100
109 93.9 66.0 122.6
188 3.6 3.1 4.7



#52
Chlorobenzene
Concen: 98.316 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW010765.D
Acq: 11 Jun 2019 12:11

Tgt Ion:112 Resp: 1419666
Ion Ratio Lower Upper
112 100
77 65.5 51.8 77.8
114 32.5 22.1 41.1

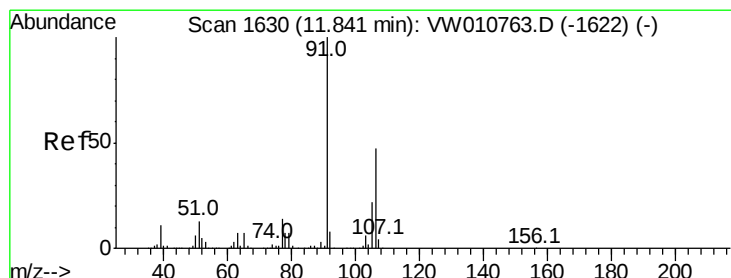
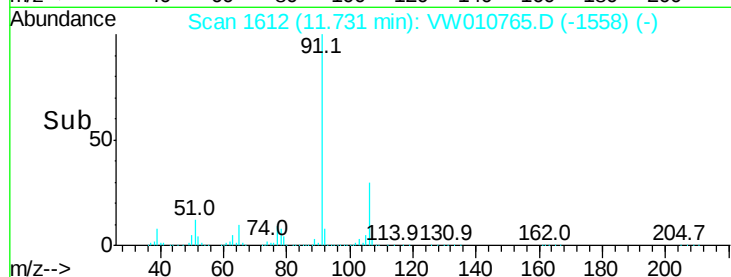
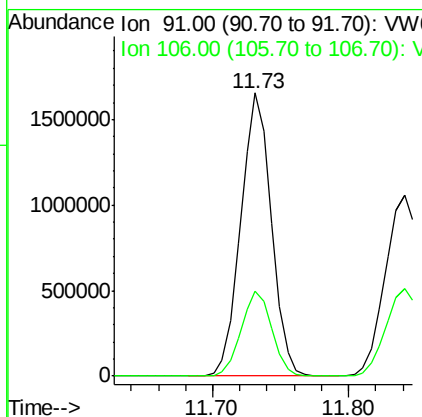
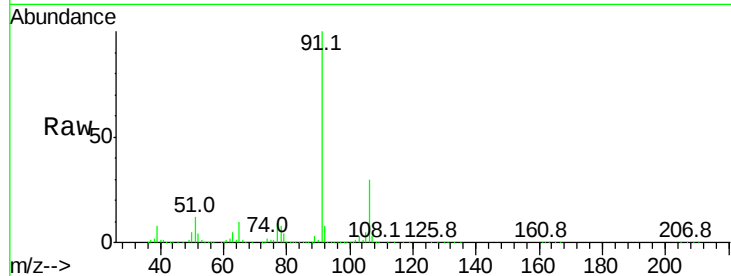




#53
Ethylbenzene
Concen: 103.128 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW010765.D
Acq: 11 Jun 2019 12:11

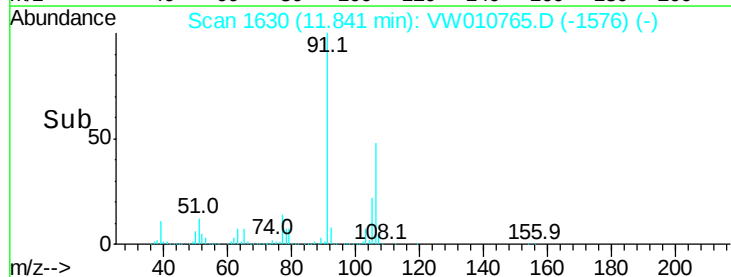
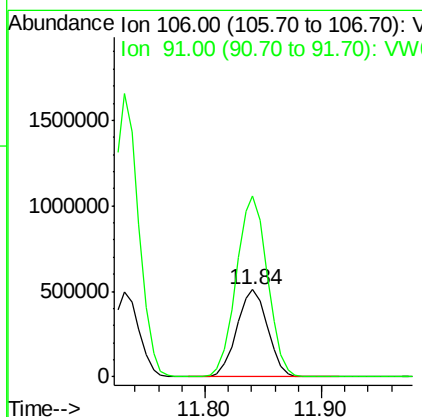
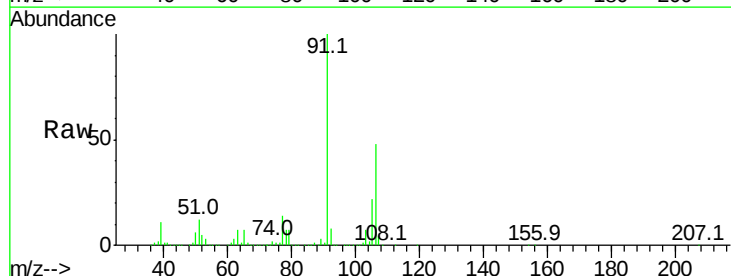
Instrument :
MSVOA_W
ClientSampleId :
VSTD10017

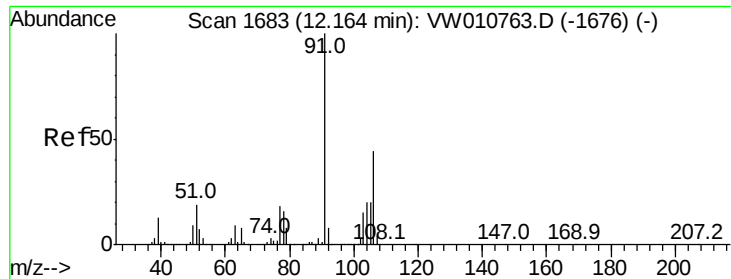
Tgt Ion: 91 Resp: 2595550
Ion Ratio Lower Upper
91 100
106 30.2 21.1 39.3



#54
m,p-Xylene
Concen: 101.832 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010765.D
Acq: 11 Jun 2019 12:11

Tgt Ion: 106 Resp: 944258
Ion Ratio Lower Upper
106 100
91 208.2 148.7 276.1

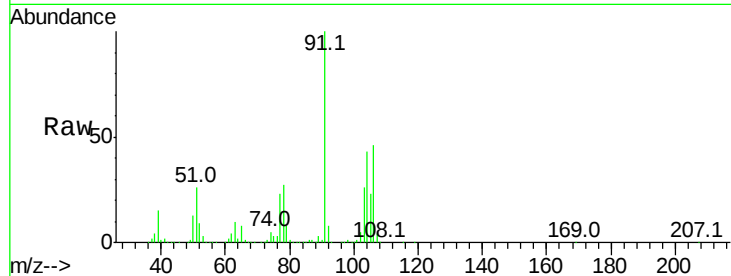




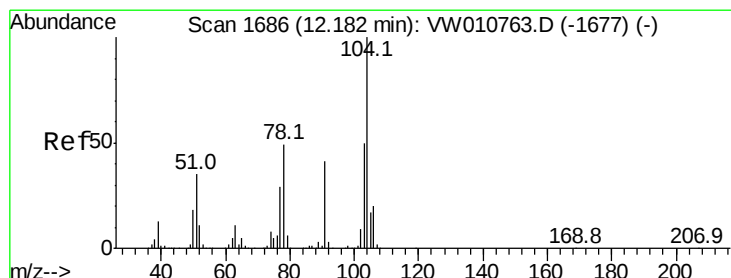
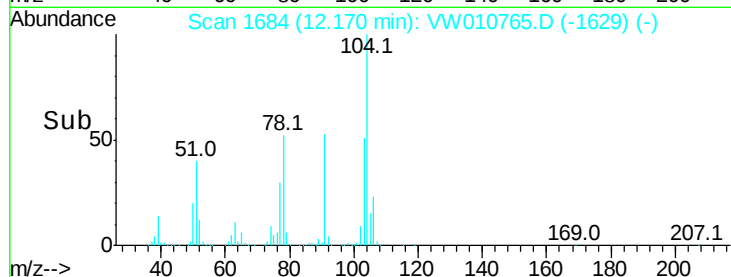
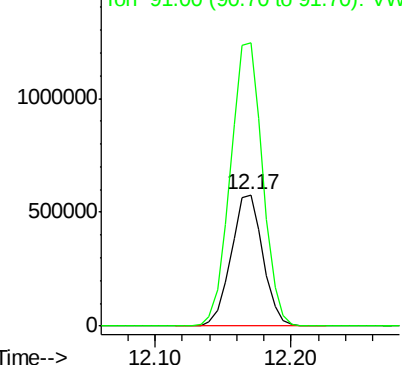
#55
o-xylene
Concen: 107.174 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW010765.D
Acq: 11 Jun 2019 12:11

Instrument :
MSVOA_W
ClientSampleId :
VSTD10017

Tgt Ion:106 Resp: 937418
Ion Ratio Lower Upper
106 100
91 215.5 157.8 293.1

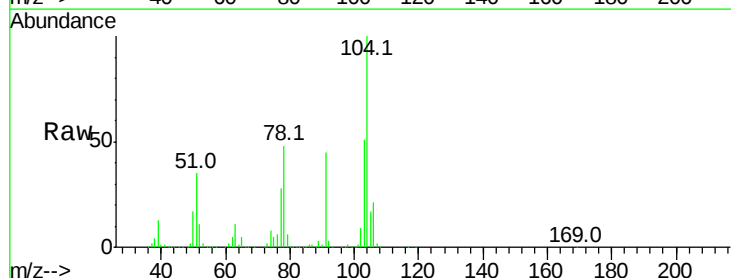


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

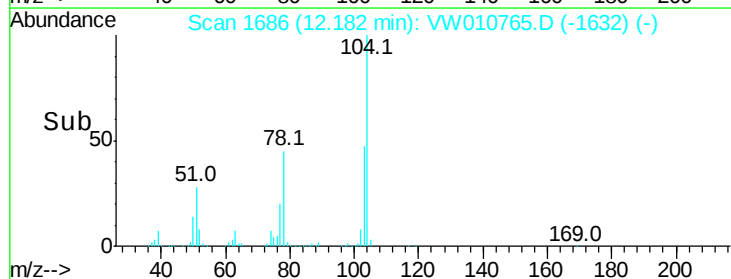
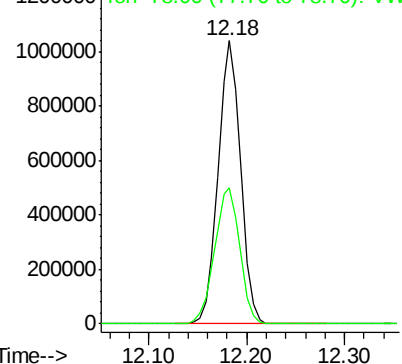


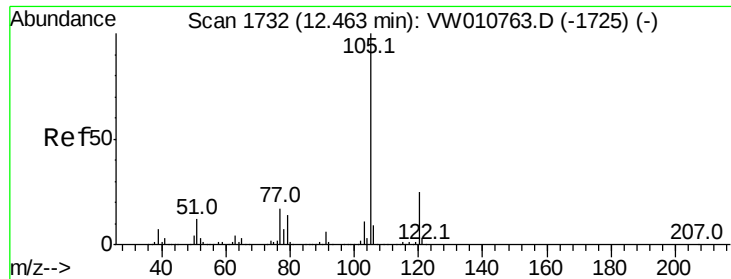
#56
Styrene
Concen: 108.404 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW010765.D
Acq: 11 Jun 2019 12:11

Tgt Ion:104 Resp: 1653600
Ion Ratio Lower Upper
104 100
78 48.1 34.2 63.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 106.593 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW010765.D

Acq: 11 Jun 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

VSTD10017

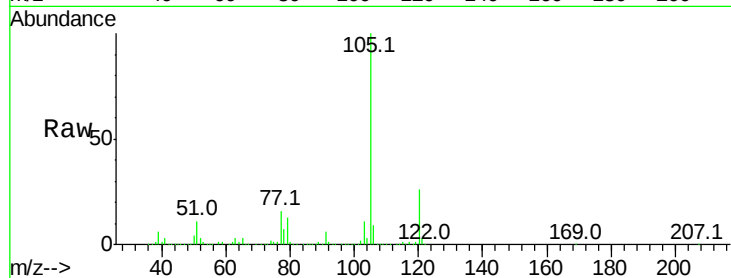
Tgt Ion:105 Resp: 2526623

Ion Ratio Lower Upper

105 100

120 25.9 20.5 30.7

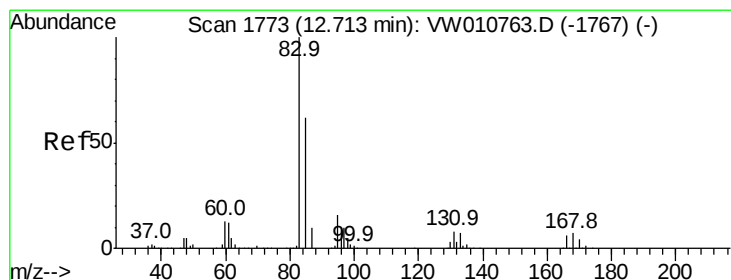
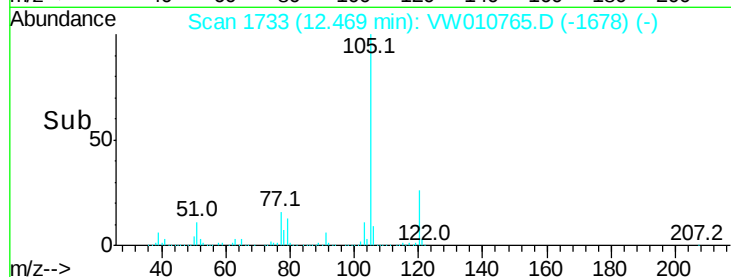
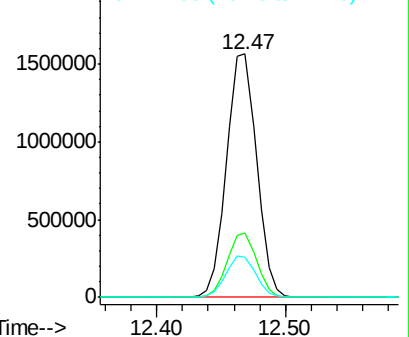
77 16.9 13.6 20.4



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: 101.368 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW010765.D

Acq: 11 Jun 2019 12:11

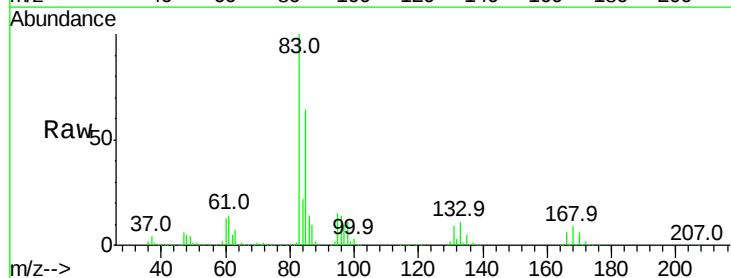
Tgt Ion: 83 Resp: 582047

Ion Ratio Lower Upper

83 100

85 63.8 44.0 81.6

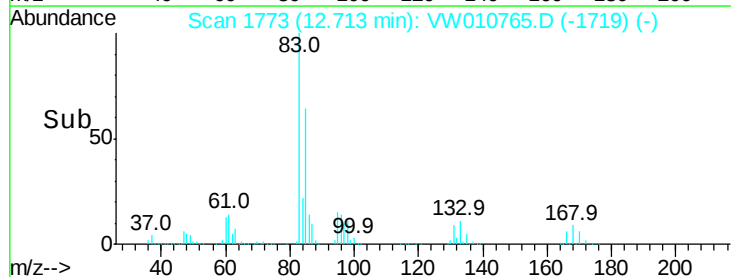
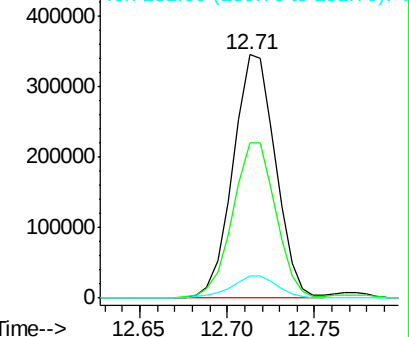
131 9.1 7.0 10.6

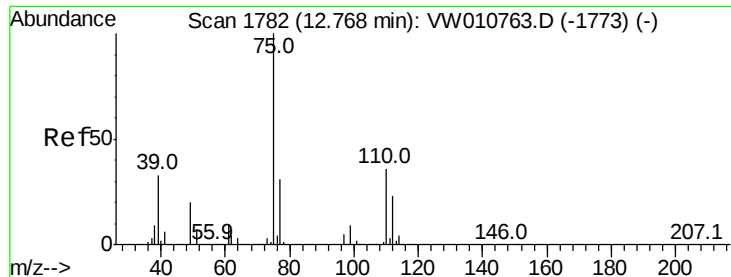


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 103.304 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW010765.D

Acq: 11 Jun 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

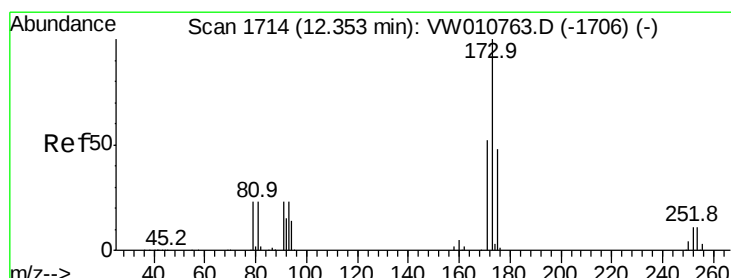
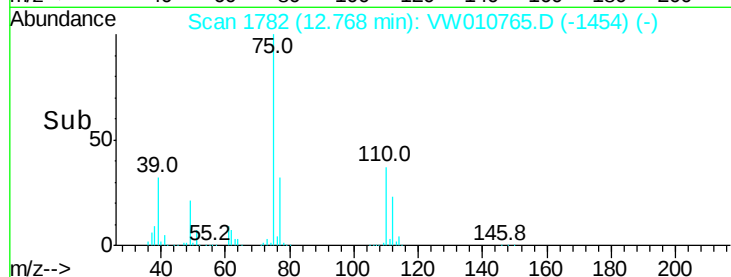
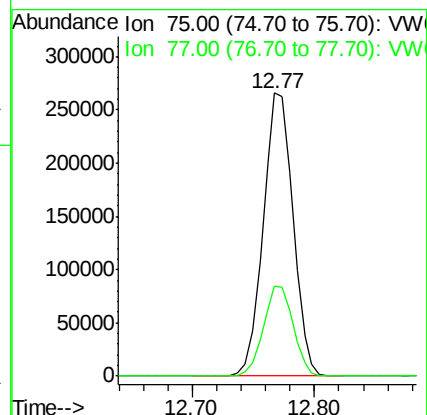
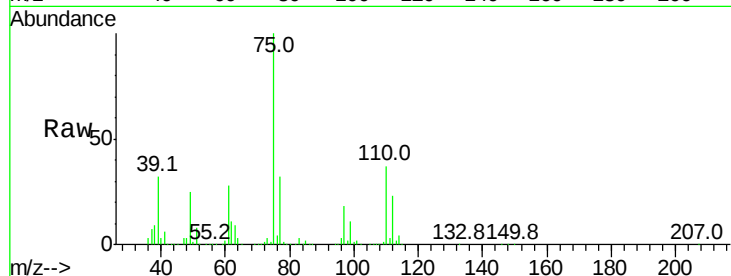
VSTD10017

Tgt Ion: 75 Resp: 451664

Ion Ratio Lower Upper

75 100

77 31.8 25.6 38.4



#62

Bromoform

Concen: 106.548 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW010765.D

Acq: 11 Jun 2019 12:11

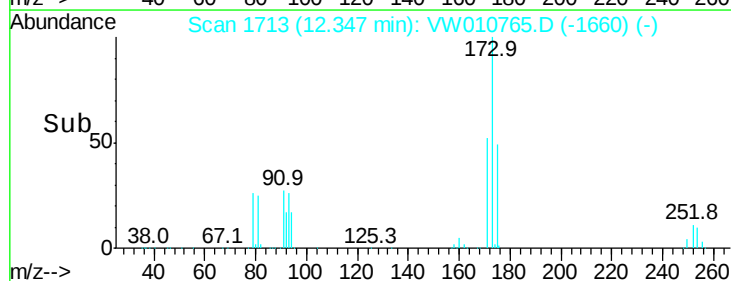
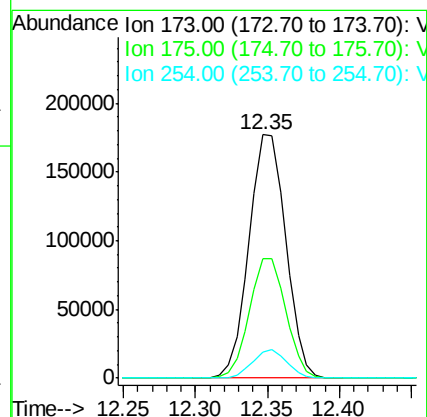
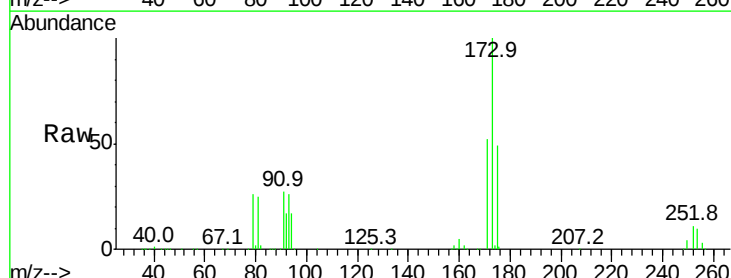
Tgt Ion: 173 Resp: 313048

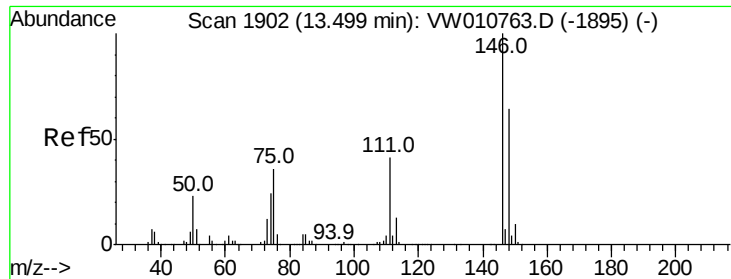
Ion Ratio Lower Upper

173 100

175 48.7 38.7 58.1

254 11.0 8.6 13.0

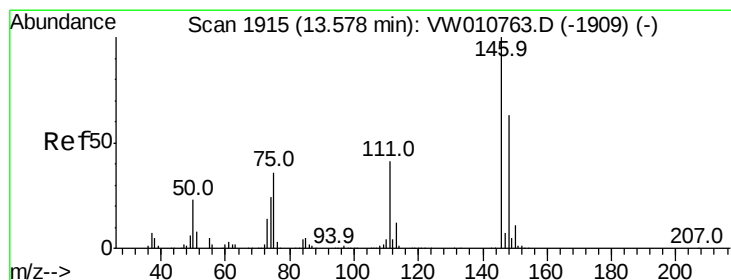
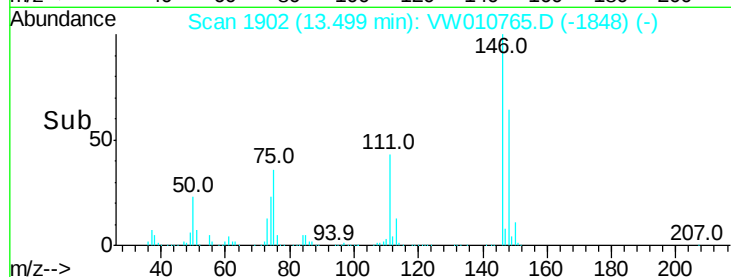
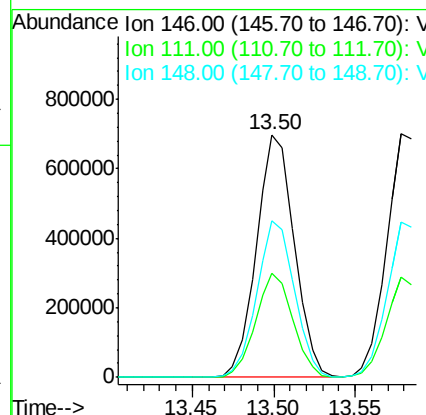
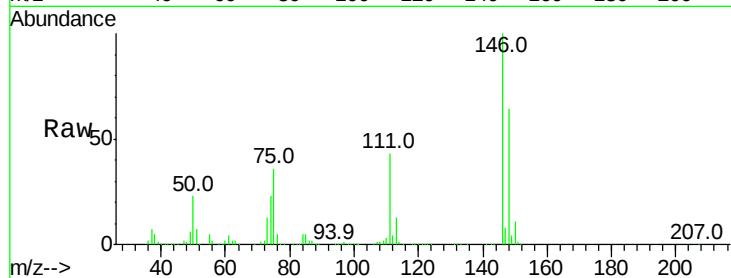




#63
 1,3-Dichlorobenzene
 Concen: 105.841 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW010765.D
 Acq: 11 Jun 2019 12:11

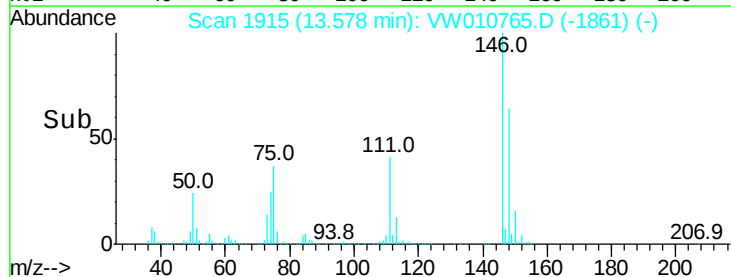
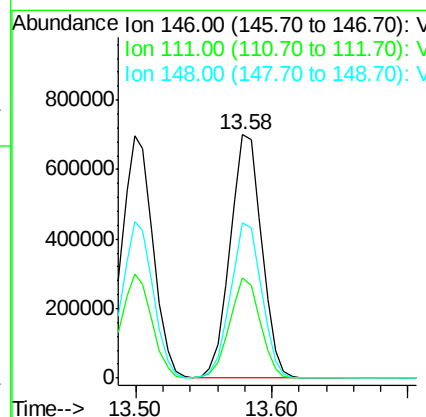
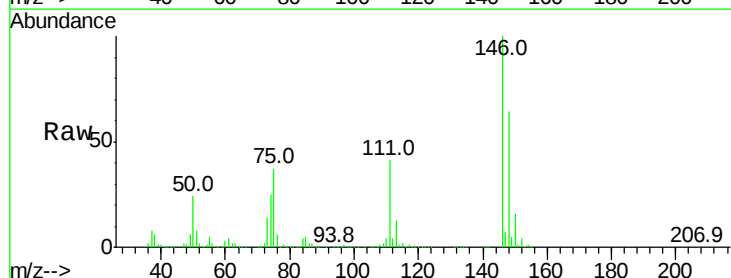
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10017

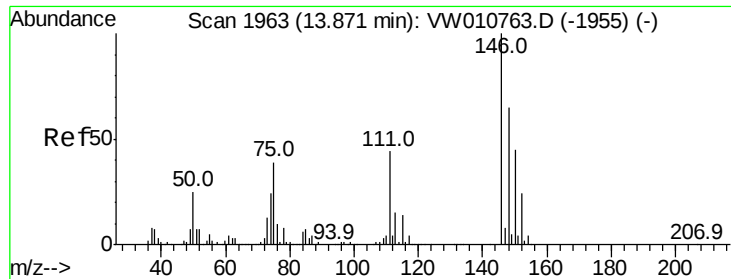
Tgt Ion:146 Resp: 1125752
 Ion Ratio Lower Upper
 146 100
 111 43.1 28.6 53.2
 148 64.4 44.4 82.5



#64
 1,4-Dichlorobenzene
 Concen: 99.582 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW010765.D
 Acq: 11 Jun 2019 12:11

Tgt Ion:146 Resp: 1131464
 Ion Ratio Lower Upper
 146 100
 111 41.2 29.0 53.9
 148 63.5 44.4 82.4

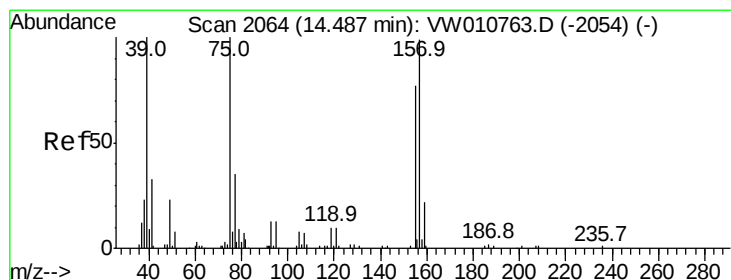
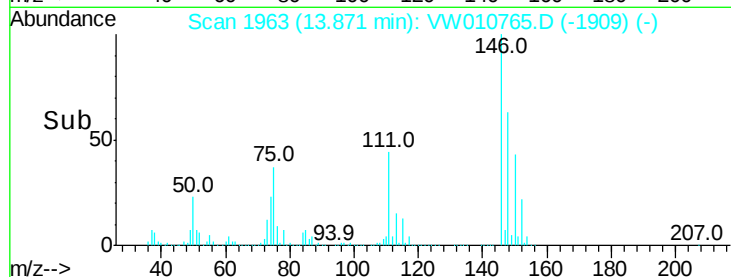
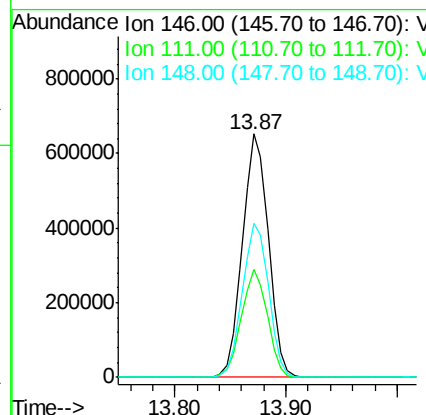
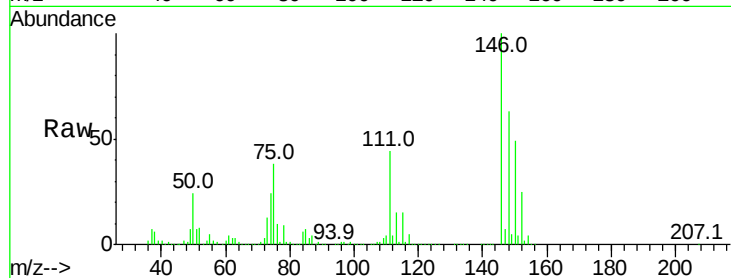




#65
 1,2-Dichlorobenzene
 Concen: 102.691 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW010765.D
 Acq: 11 Jun 2019 12:11

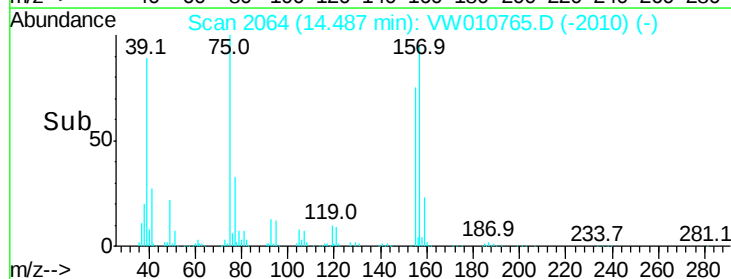
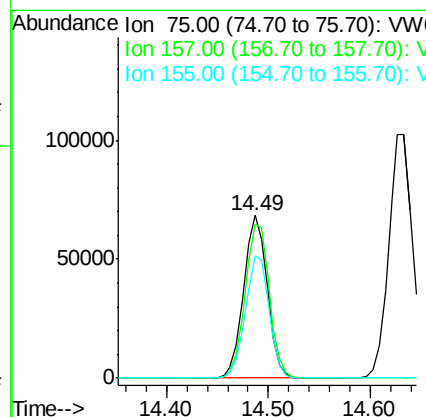
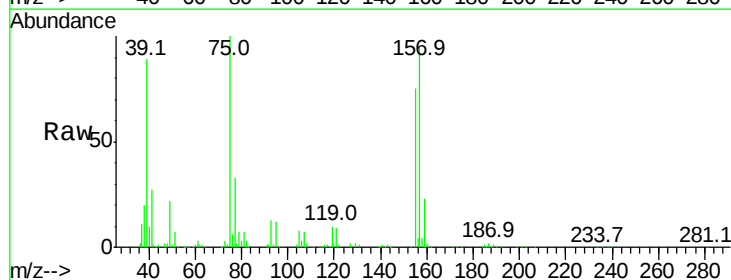
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10017

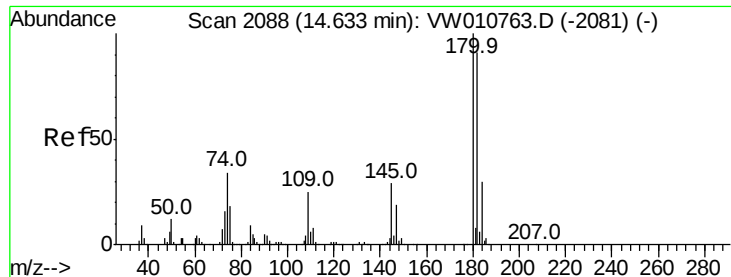
Tgt Ion:146 Resp: 1054707
 Ion Ratio Lower Upper
 146 100
 111 44.1 35.3 52.9
 148 63.2 51.9 77.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 101.405 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW010765.D
 Acq: 11 Jun 2019 12:11

Tgt Ion: 75 Resp: 108735
 Ion Ratio Lower Upper
 75 100
 157 95.1 79.1 118.7
 155 75.3 62.0 93.0

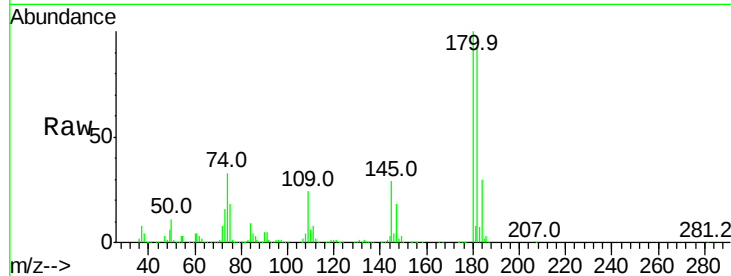




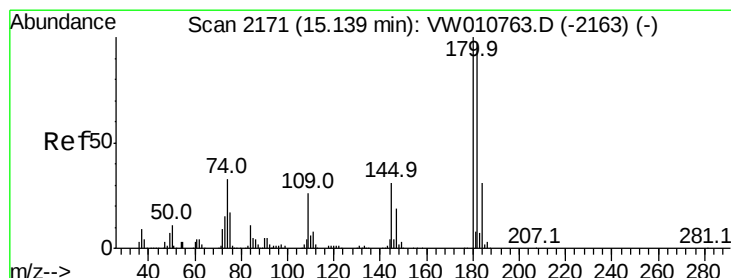
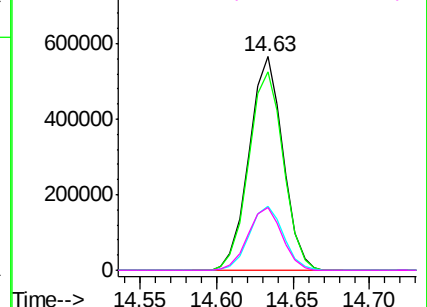
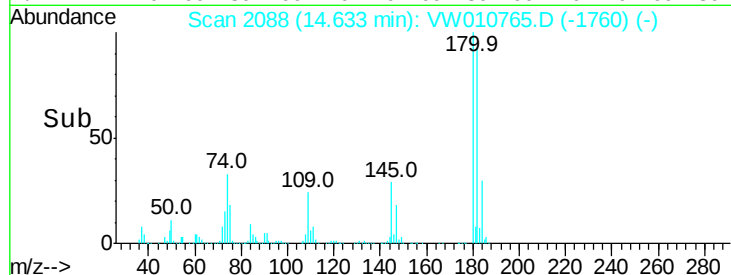
#67
 1,3,5-Trichlorobenzene
 Concen: 108.042 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW010765.D
 Acq: 11 Jun 2019 12:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD10017

Tgt Ion:180 Resp: 868321
 Ion Ratio Lower Upper
 180 100
 182 95.1 76.5 114.7
 184 30.3 24.6 37.0
 145 29.7 24.1 36.1

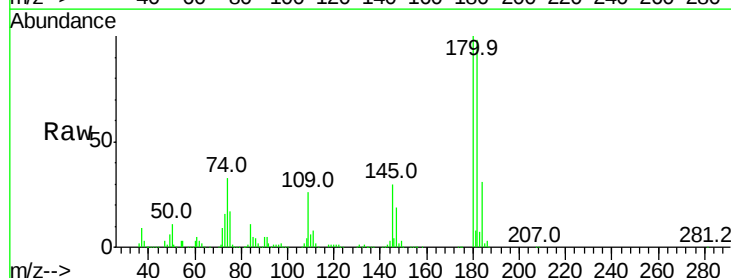


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

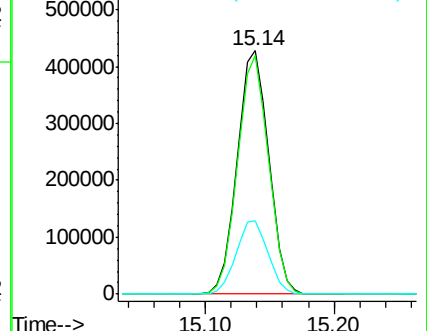
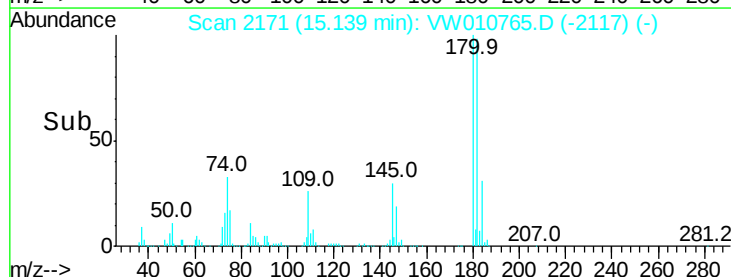


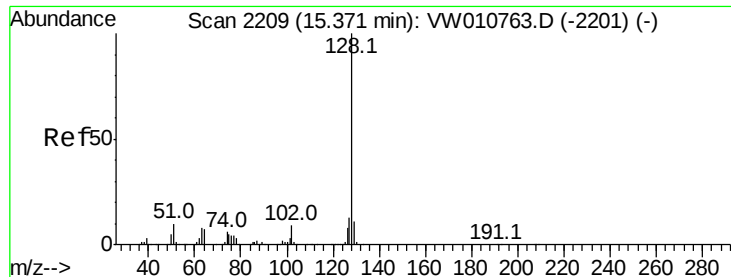
#68
 1,2,4-trichlorobenzene
 Concen: 111.577 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW010765.D
 Acq: 11 Jun 2019 12:11

Tgt Ion:180 Resp: 725858
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.4 114.6
 145 30.4 24.8 37.2



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





#69

Naphthalene

Concen: 108.676 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VW010765.D

Acq: 11 Jun 2019 12:11

Instrument :

MSVOA_W

ClientSampleId :

VSTD10017

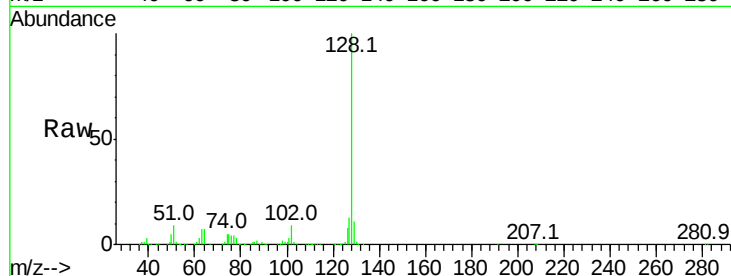
Tgt Ion:128 Resp: 1566045

Ion Ratio Lower Upper

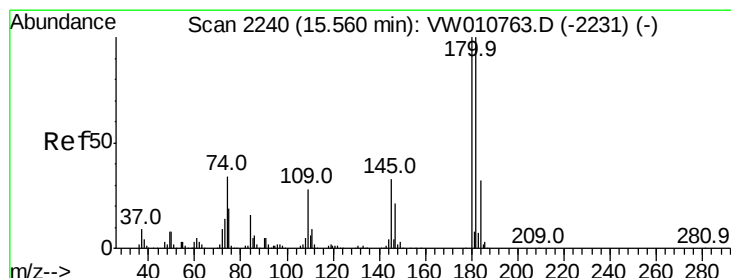
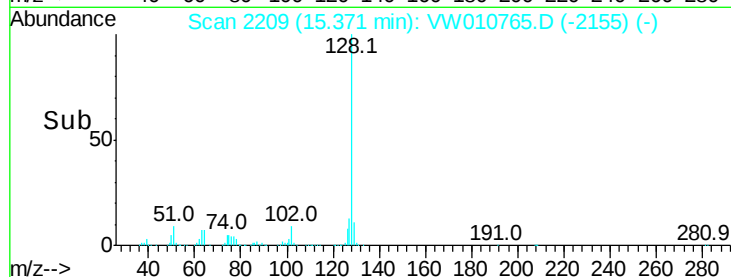
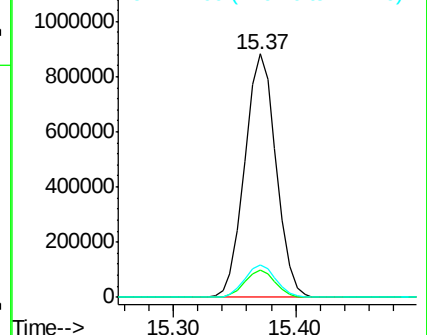
128 100

129 10.9 8.6 13.0

127 13.3 10.4 15.6



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: 101.616 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.00 min

Lab File: VW010765.D

Acq: 11 Jun 2019 12:11

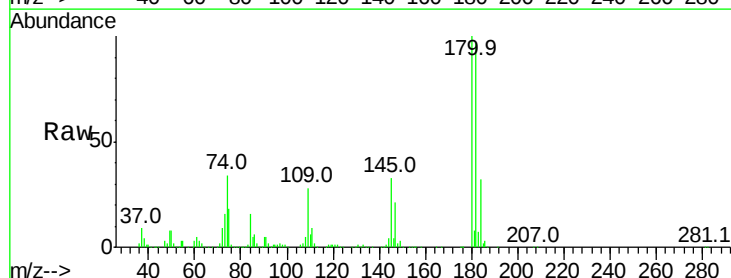
Tgt Ion:180 Resp: 632754

Ion Ratio Lower Upper

180 100

182 96.9 76.6 115.0

145 32.6 25.8 38.8



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

