

Data File : VW012927.D
Acq On : 12 Sep 2019 10:56
Operator : SY/VA
Sample : VSTD2.501
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.501

Quant Time: Sep 12 12:21:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM091219S.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 12 12:18:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	443518	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	389319	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	190534	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	11923	1.91	ug/L	0.00
7) Chloroethane-d5	2.89	69	9952	2.21	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	28017	1.96	ug/L	0.00
20) 2-Butanone-d5	7.08	46	8478	3.01	ug/L	0.00
24) Chloroform-d	7.64	84	31440	2.58	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	17102	2.37	ug/L	0.00
29) Benzene-d6	8.27	84	54157	2.21	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	17913	2.27	ug/L	0.00
37) Toluene-d8	10.32	98	50860	2.34	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.57	79	7491	2.16	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	6271	3.40	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	13678	2.08	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	20111	2.74	ug/L	0.00

Target Compounds

					Qvalue
3) Chloromethane	2.21	50	10908	1.687 ug/L	99
5) Vinyl chloride	2.35	62	13725	1.664 ug/L	94
6) Bromomethane	2.78	94	8465	2.177 ug/L	99
8) Chloroethane	2.92	64	8888	2.060 ug/L	86
9) Trichlorofluoromethane	3.26	101	7330	1.744 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	6125	0.961 ug/L #	9
12) 1,1-Dichloroethene	4.04	96	12869	2.020 ug/L	92
13) Acetone	4.13	43	7121	2.364 ug/L	66
14) Carbon disulfide	4.38	76	35488	1.711 ug/L	98
15) Methyl Acetate	4.67	43	6672	1.355 ug/L #	89
16) Methylene chloride	4.92	84	18079	2.612 ug/L	90
17) Methyl tert-butyl Ether	5.41	73	22662	2.136 ug/L #	76
18) trans-1,2-Dichloroethene	5.42	96	13889	2.110 ug/L	98
19) 1,1-Dichloroethane	6.21	63	26352	2.004 ug/L	98
21) 2-Butanone	7.17	43	9105	2.411 ug/L	99
22) cis-1,2-Dichloroethene	7.16	96	13884	2.016 ug/L	90
23) Bromochloromethane	7.51	128	6257	2.136 ug/L	95
25) Chloroform	7.67	83	27724	2.288 ug/L	99
27) 1,2-Dichloroethane	8.40	62	18388	2.050 ug/L	96
30) Cyclohexane	7.95	56	23593	1.743 ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	22040	2.323 ug/L	99
32) Carbon tetrachloride	8.06	117	19786	2.217 ug/L	100
34) Benzene	8.32	78	58019	2.127 ug/L	100
35) Trichloroethene	9.09	95	14970	2.161 ug/L	97
36) Methylcyclohexane	9.33	83	25362	2.018 ug/L	96
40) 1,2-Dichloropropane	9.37	63	14913	2.048 ug/L #	94
41) Bromodichloromethane	9.65	83	17986	2.093 ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	20872	1.916 ug/L	95
43) 4-Methyl-2-pentanone	10.21	43	17566	2.662 ug/L	100
44) Toluene	10.38	91	60621	2.187 ug/L	95

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Quant Title : VOC Analysis
QLast Update : Thu Sep 12 12:18:56 2019
Response via : Initial Calibration

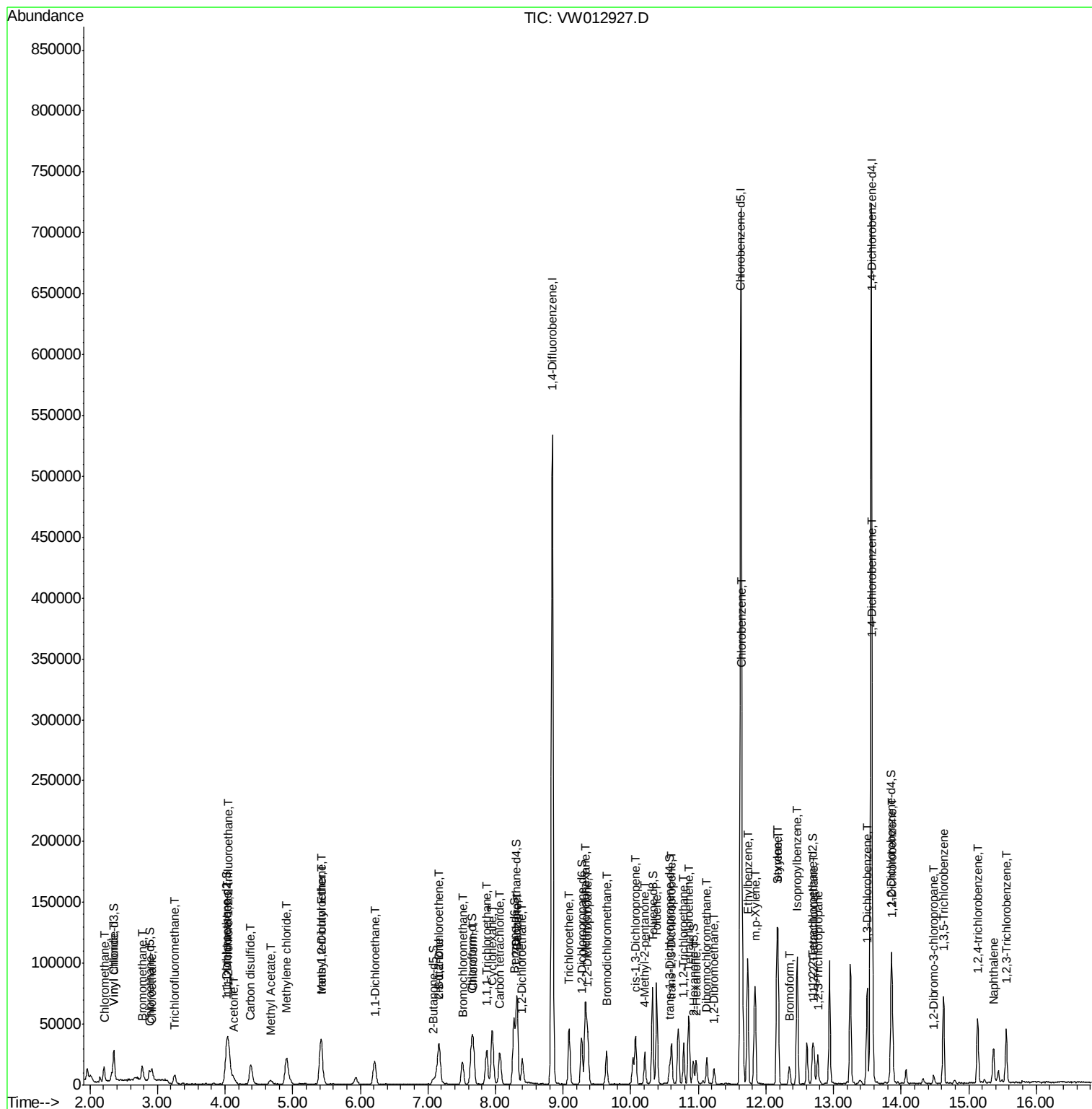
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) trans-1,3-Dichloropropene	10.60	75	17119	1.889	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	9676	1.949	ug/L	95
47) Tetrachloroethene	10.86	164	13845	2.617	ug/L	93
49) 2-Hexanone	10.97	43	12633	2.485	ug/L #	97
50) Dibromochloromethane	11.13	129	10973	2.005	ug/L	87
51) 1,2-Dibromoethane	11.23	107	9325	1.930	ug/L #	96
52) Chlorobenzene	11.65	112	38841	2.323	ug/L	99
53) Ethylbenzene	11.73	91	68785	2.225	ug/L	100
54) m,p-Xylene	11.84	106	25872	2.302	ug/L	97
55) o-xylene	12.16	106	24445	2.311	ug/L	89
56) Styrene	12.18	104	40950	2.277	ug/L	96
57) Isopropylbenzene	12.46	105	65140	2.238	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	11198	1.697	ug/L #	92
59) 1,2,3-Trichloropropane	12.77	75	9124	1.793	ug/L	90
62) Bromoform	12.35	173	6212	1.822	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	29913	2.313	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	30085	2.317	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	27255	2.328	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.48	75	2055	1.696	ug/L #	79
67) 1,3,5-Trichlorobenzene	14.63	180	22515	2.365	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	16731	2.183	ug/L	98
69) Naphthalene	15.36	128	23919	1.549	ug/L	97
70) 1,2,3-Trichlorobenzene	15.55	180	15340	2.161	ug/L	98

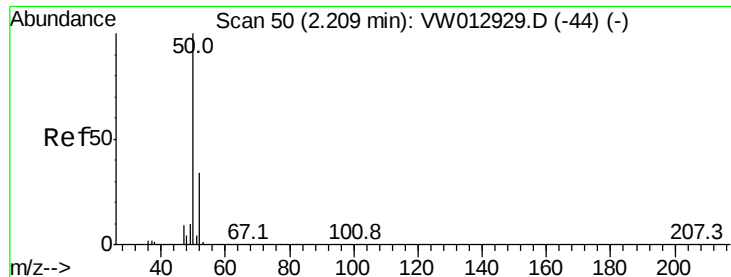
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#3

Chloromethane

Concen: 1.687 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

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Instrument :

MSVOA_W

ClientSampleId :

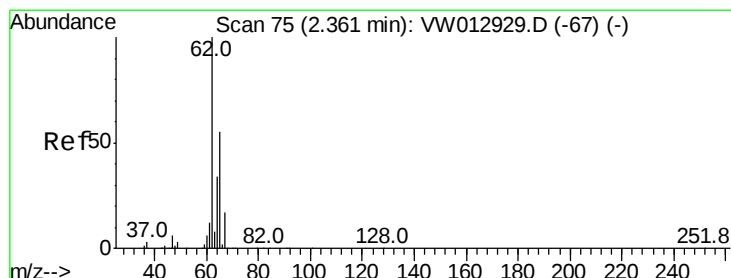
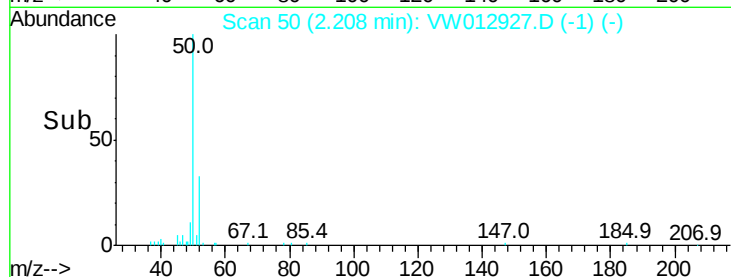
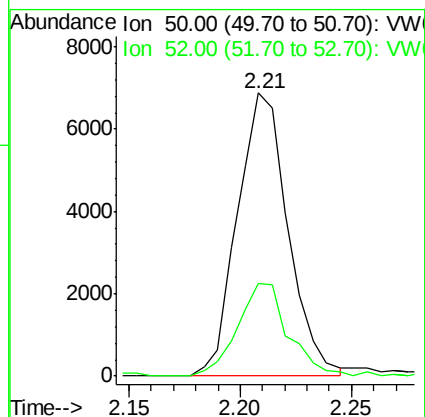
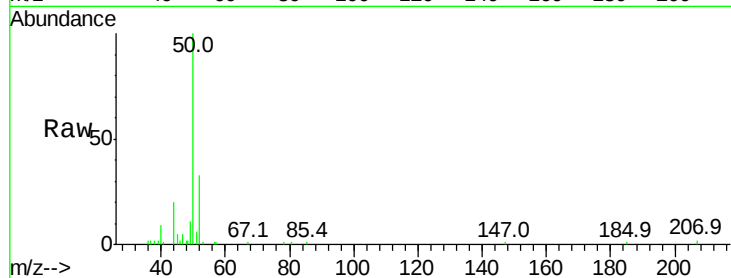
VSTD2.501

Tgt Ion: 50 Resp: 10908

Ion Ratio Lower Upper

50 100

52 32.9 23.5 43.7



#5

Vinyl chloride

Concen: 1.664 ug/L

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW012927.D

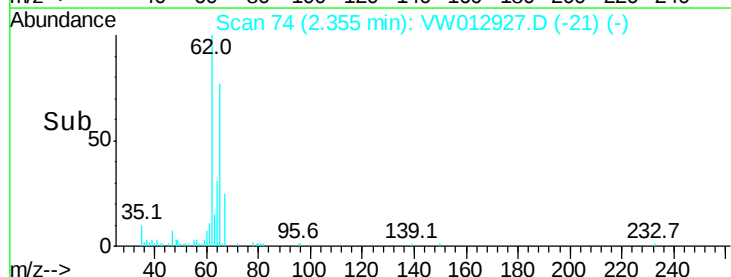
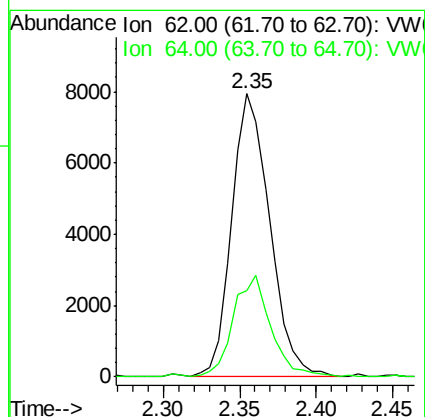
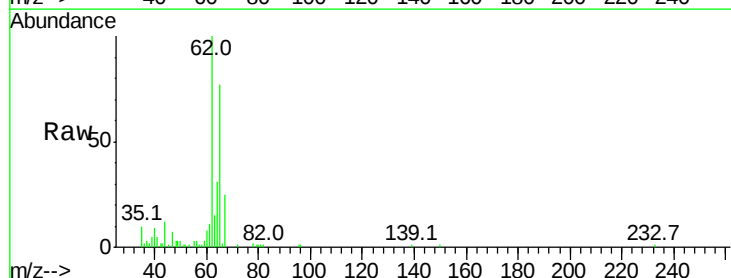
Acq: 12 Sep 2019 10:56

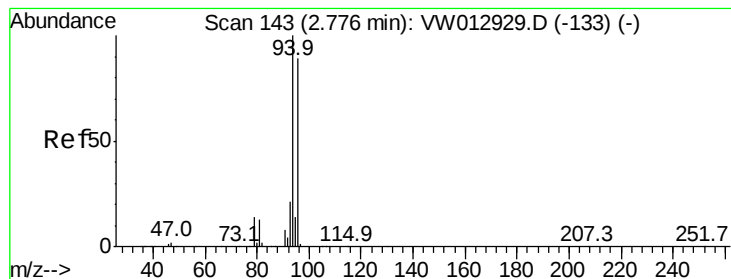
Tgt Ion: 62 Resp: 13725

Ion Ratio Lower Upper

62 100

64 30.6 23.7 44.1





#6

Bromomethane

Concen: 2.177 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW012927.D

Acq: 12 Sep 2019 10:56

Instrument :

MSVOA_W

ClientSampleId :

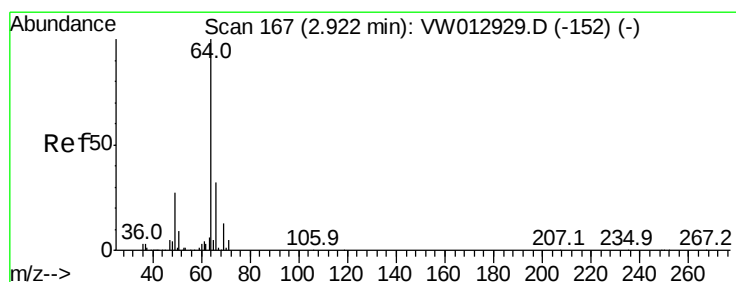
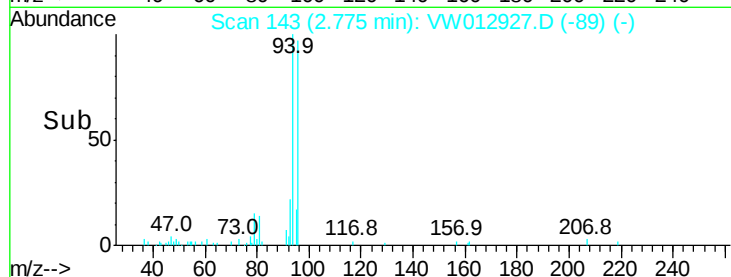
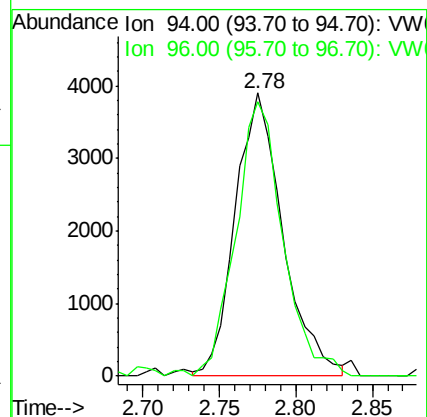
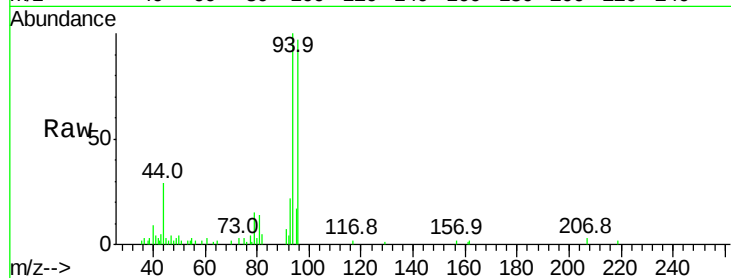
VSTD2.501

Tgt Ion: 94 Resp: 8465

Ion Ratio Lower Upper

94 100

96 94.1 9.3 176.9



#8

Chloroethane

Concen: 2.060 ug/L

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW012927.D

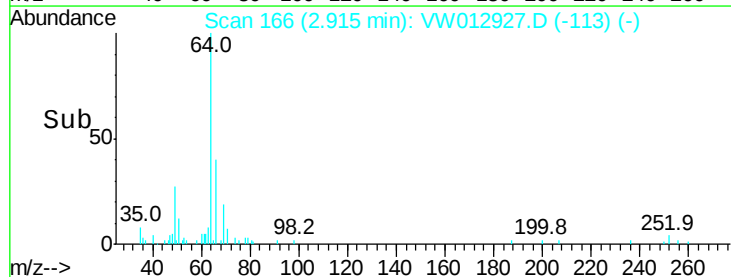
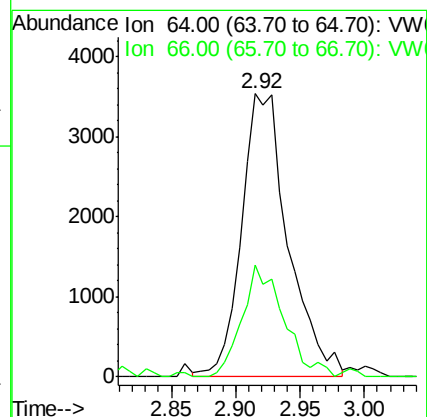
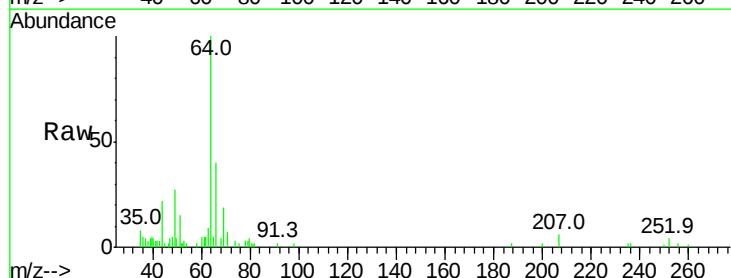
Acq: 12 Sep 2019 10:56

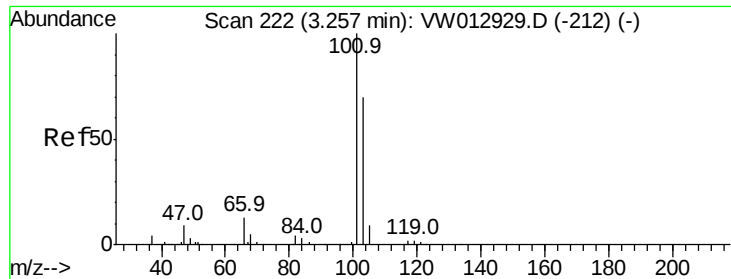
Tgt Ion: 64 Resp: 8888

Ion Ratio Lower Upper

64 100

66 39.6 22.1 41.1



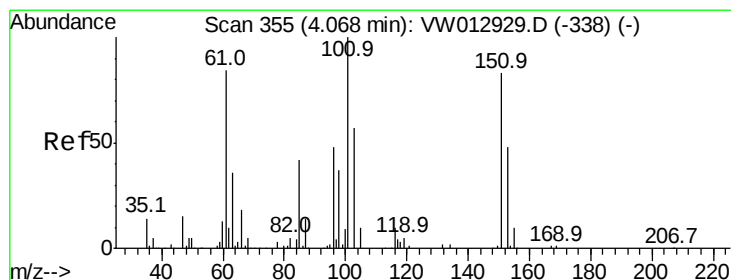
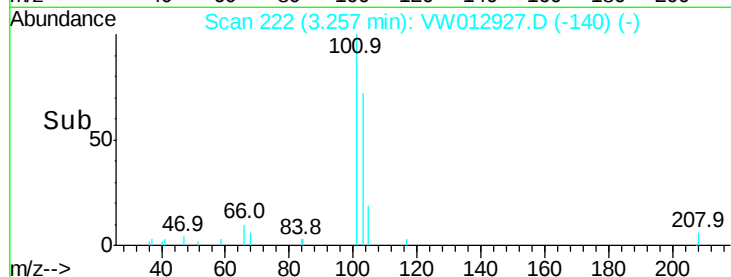
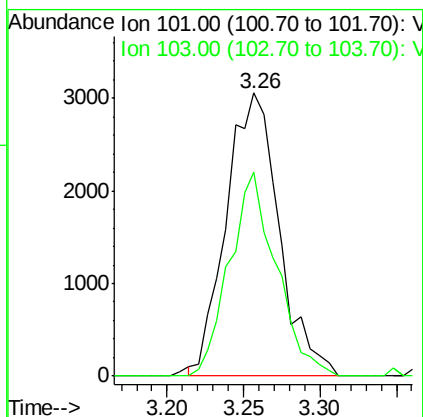
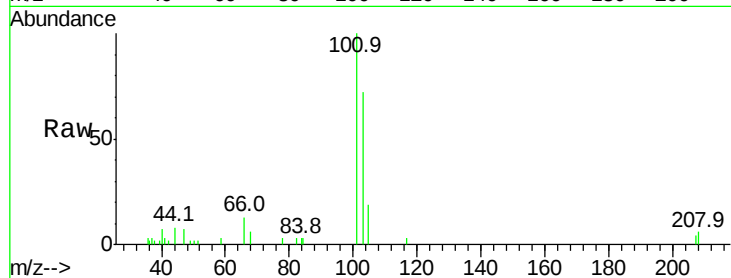


#9

Trichlorofluoromethane
 Concen: 1.744 ug/L
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW012927.D
 Acq: 12 Sep 2019 10:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.501

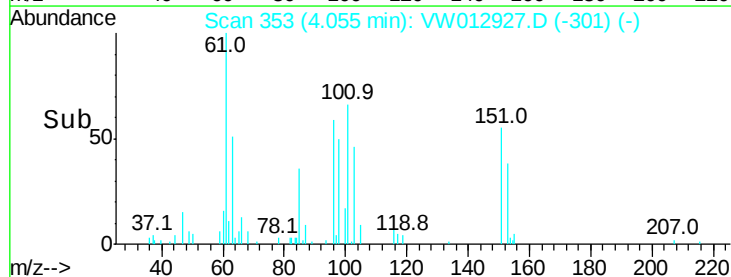
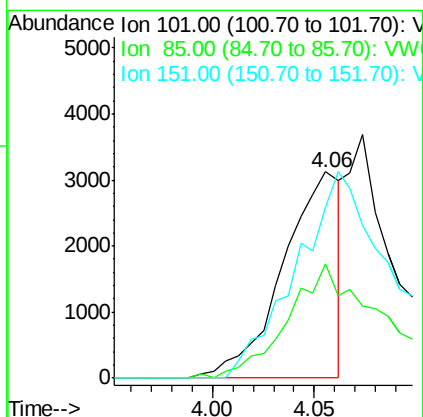
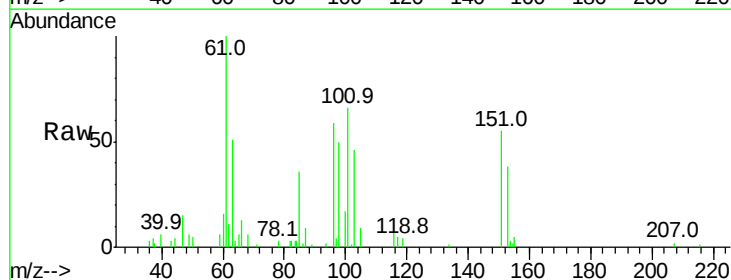
Tgt Ion:101 Resp: 7330
 Ion Ratio Lower Upper
 101 100
 103 64.1 45.9 85.3

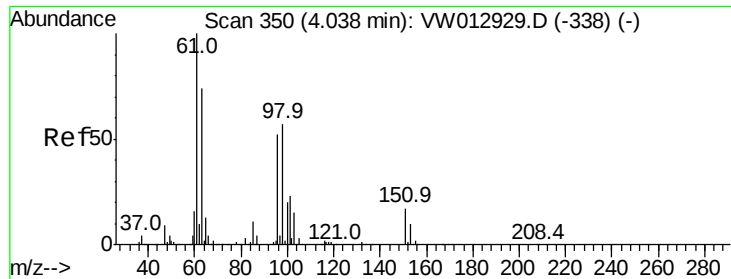


#11

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.961 ug/L
 RT: 4.06 min Scan# 353
 Delta R.T. -0.01 min
 Lab File: VW012927.D
 Acq: 12 Sep 2019 10:56

Tgt Ion:101 Resp: 6125
 Ion Ratio Lower Upper
 101 100
 85 92.2 34.6 52.0#
 151 168.2 64.8 97.2#

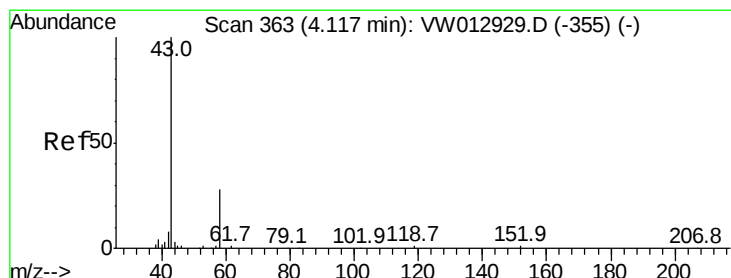
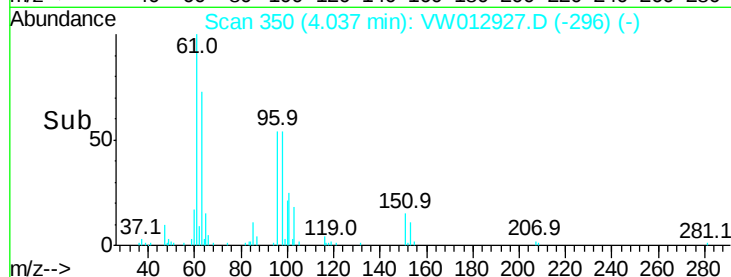
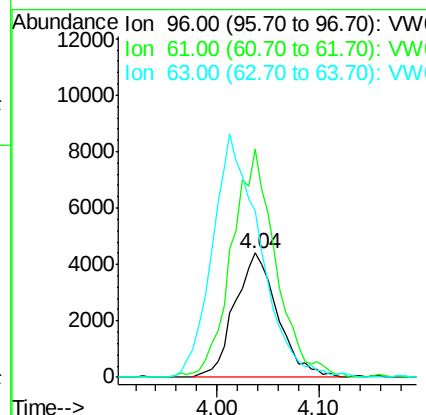
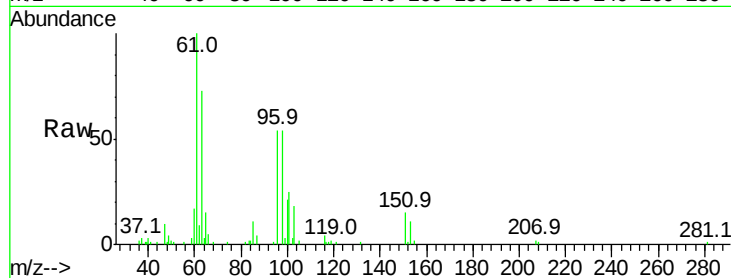




#12
 1,1-Dichloroethene
 Concen: 2.020 ug/L
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW012927.D
 Acq: 12 Sep 2019 10:56

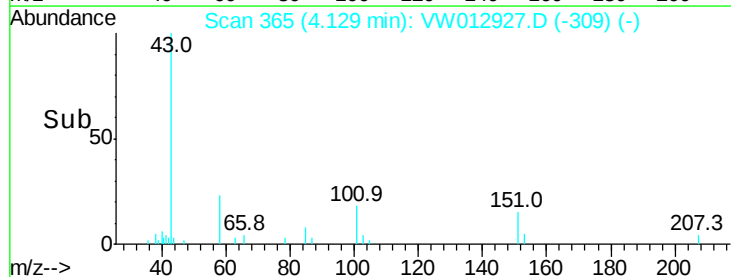
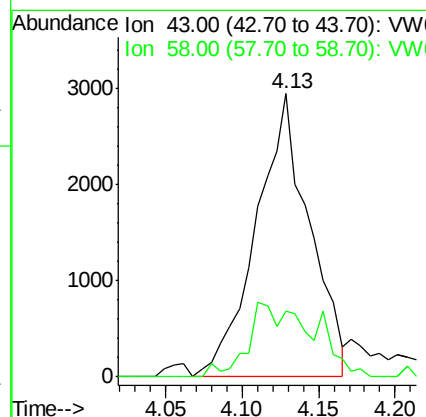
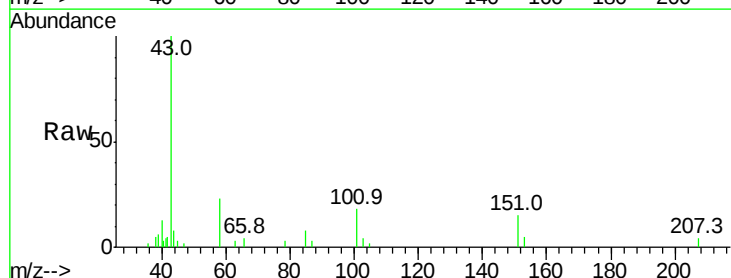
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.501

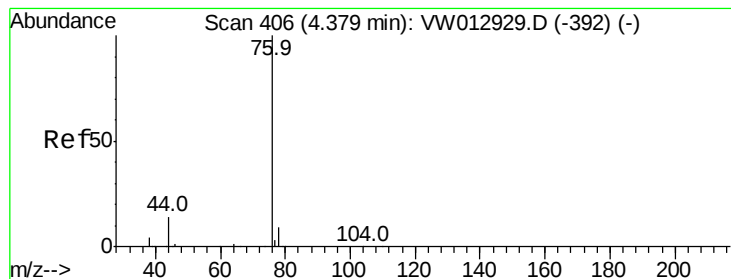
Tgt Ion: 96 Resp: 12869
 Ion Ratio Lower Upper
 96 100
 61 183.7 135.3 251.3
 63 134.4 102.0 189.4



#13
 Acetone
 Concen: 2.364 ug/L
 RT: 4.13 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VW012927.D
 Acq: 12 Sep 2019 10:56

Tgt Ion: 43 Resp: 7121
 Ion Ratio Lower Upper
 43 100
 58 11.3 0.0 59.4





#14

Carbon disulfide

Concen: 1.711 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW012927.D

Acq: 12 Sep 2019 10:56

Instrument :

MSVOA_W

ClientSampleId :

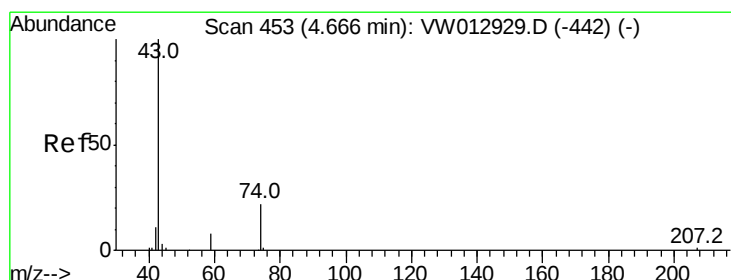
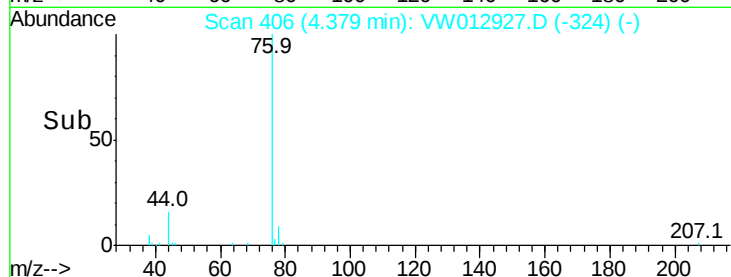
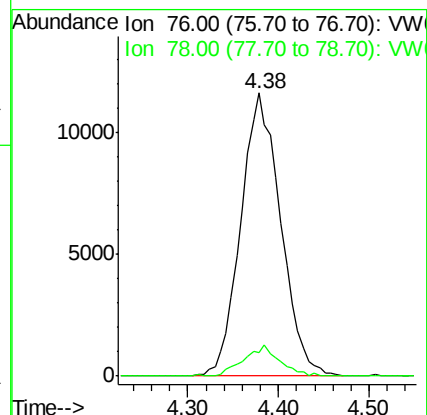
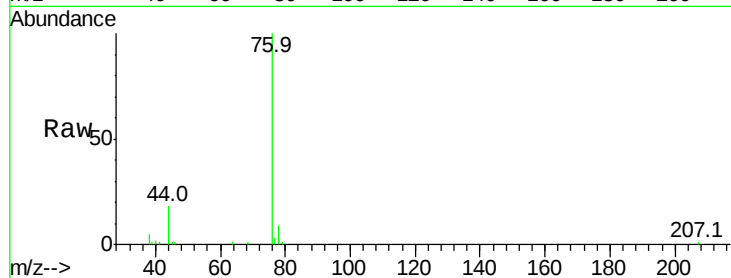
VSTD2.501

Tgt Ion: 76 Resp: 35488

Ion Ratio Lower Upper

76 100

78 8.5 7.5 11.3



#15

Methyl Acetate

Concen: 1.355 ug/L

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW012927.D

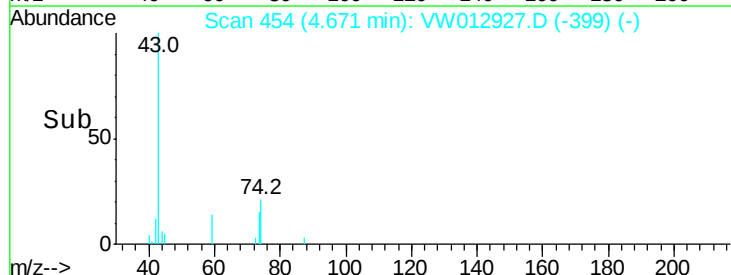
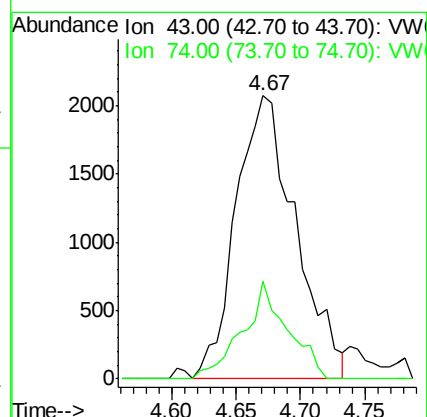
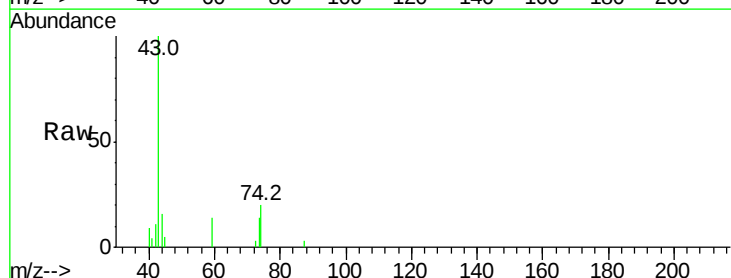
Acq: 12 Sep 2019 10:56

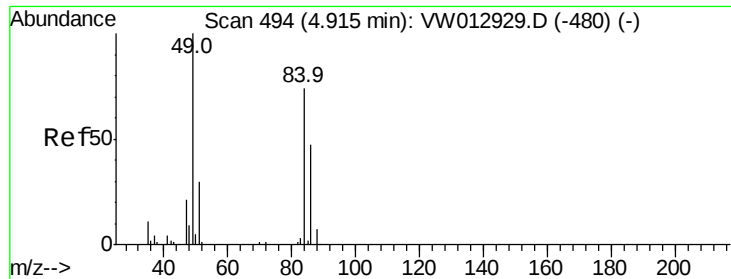
Tgt Ion: 43 Resp: 6672

Ion Ratio Lower Upper

43 100

74 25.9 16.6 25.0#

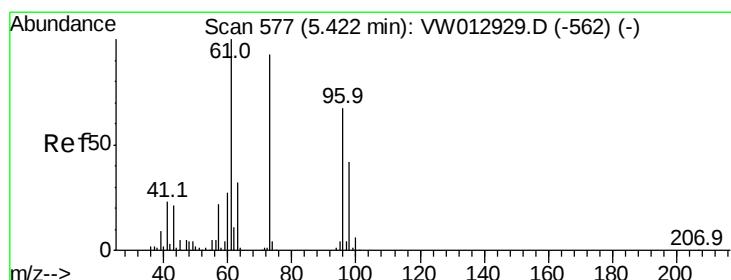
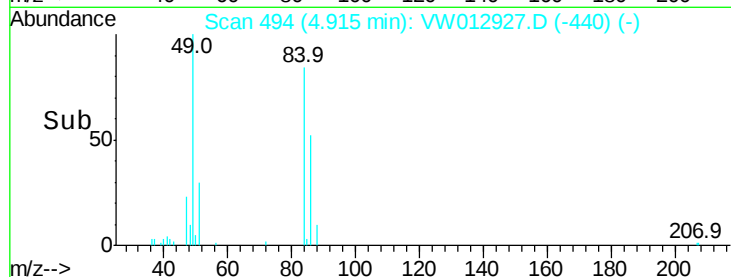
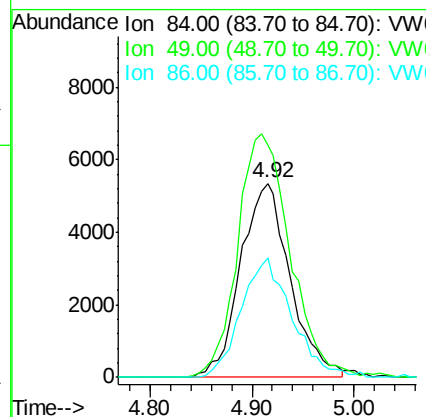
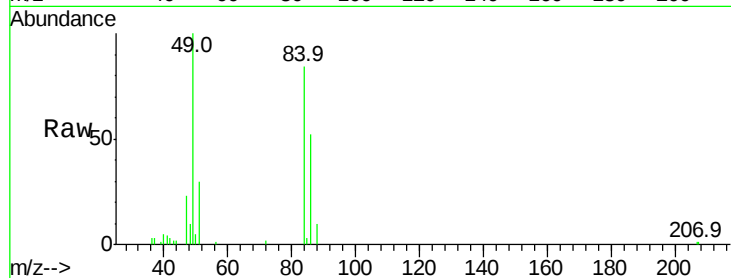




#16
Methylene chloride
Concen: 2.612 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.00 min
Lab File: VW012927.D
Acq: 12 Sep 2019 10:56

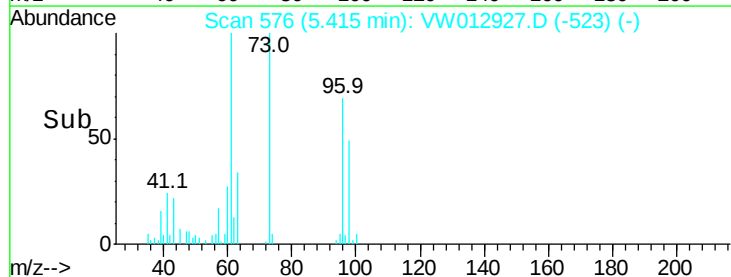
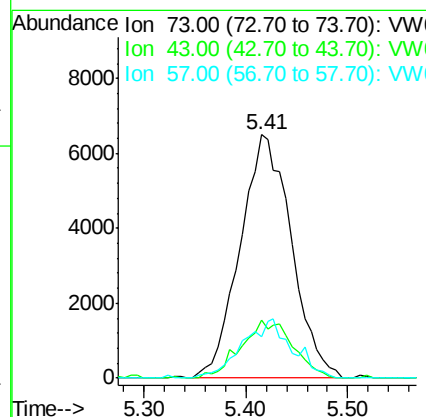
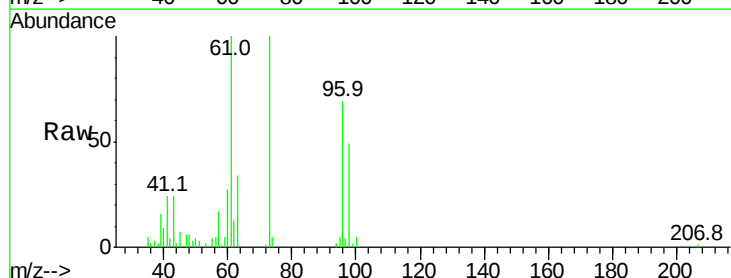
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.501

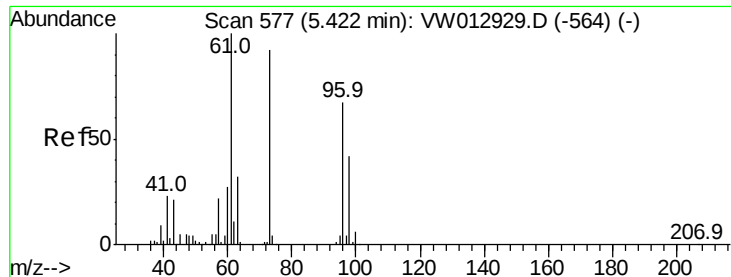
Tgt Ion: 84 Resp: 18079
Ion Ratio Lower Upper
84 100
49 119.6 94.7 175.9
86 61.7 44.4 82.4



#17
Methyl tert-butyl Ether
Concen: 2.136 ug/L
RT: 5.41 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW012927.D
Acq: 12 Sep 2019 10:56

Tgt Ion: 73 Resp: 22662
Ion Ratio Lower Upper
73 100
43 10.9 18.0 27.0#
57 10.5 18.0 27.0#





#18

trans-1,2-Dichloroethene

Concen: 2.110 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW012927.D

Acq: 12 Sep 2019 10:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.501

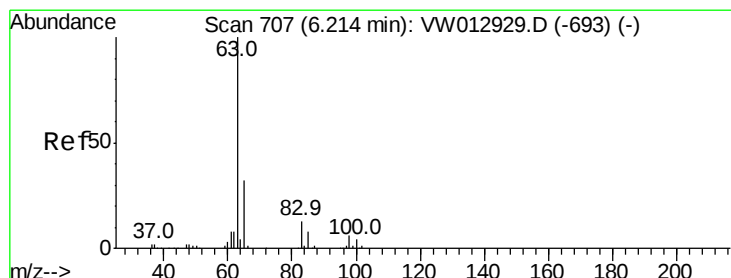
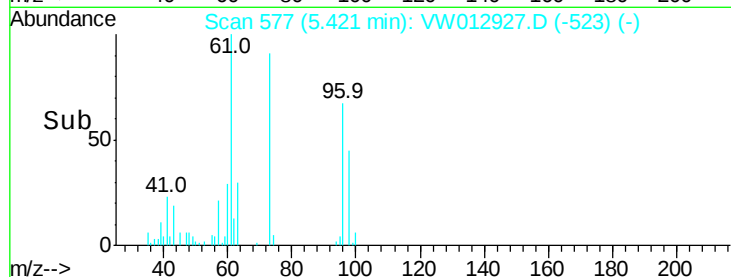
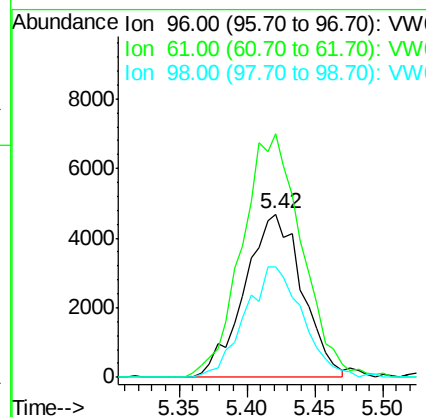
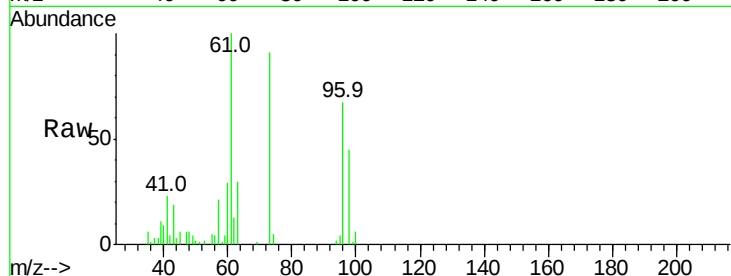
Tgt Ion: 96 Resp: 13889

Ion Ratio Lower Upper

96 100

61 149.0 104.0 193.1

98 67.4 44.0 81.8



#19

1,1-Dichloroethane

Concen: 2.004 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW012927.D

Acq: 12 Sep 2019 10:56

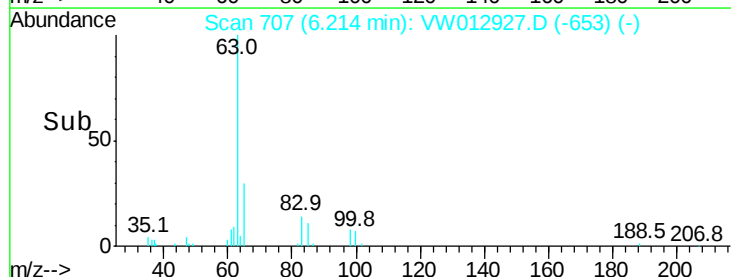
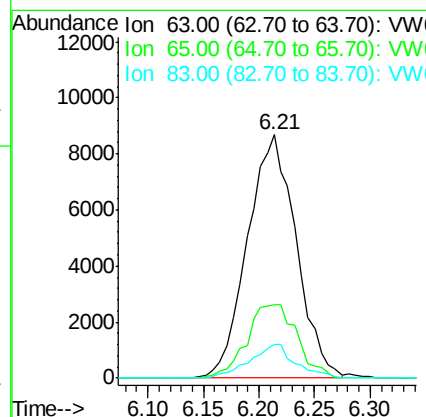
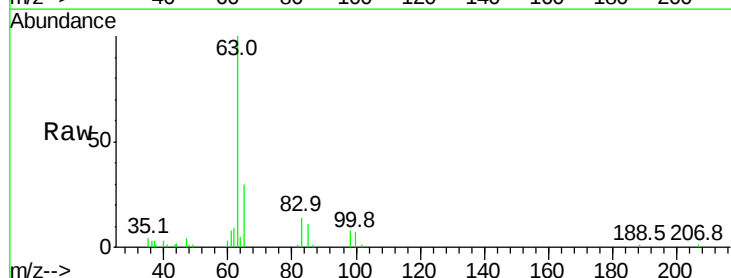
Tgt Ion: 63 Resp: 26352

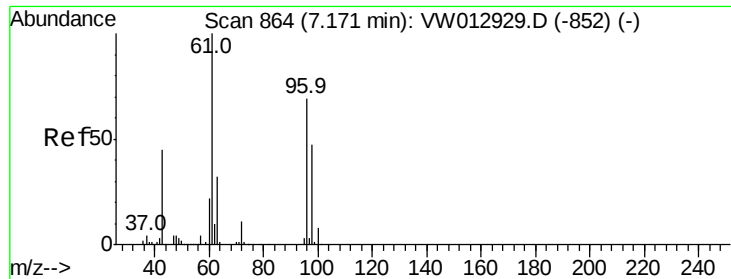
Ion Ratio Lower Upper

63 100

65 30.3 22.0 41.0

83 13.6 8.9 16.5





#21

2-Butanone

Concen: 2.411 ug/L

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW012927.D

Acq: 12 Sep 2019 10:56

Instrument :

MSVOA_W

ClientSampleId :

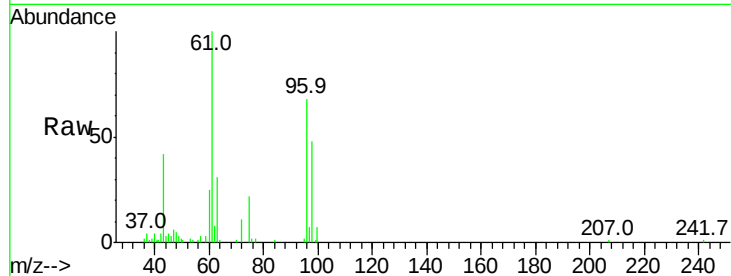
VSTD2.501

Tgt Ion: 43 Resp: 9105

Ion Ratio Lower Upper

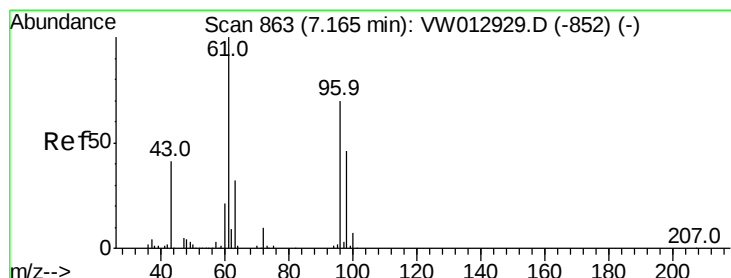
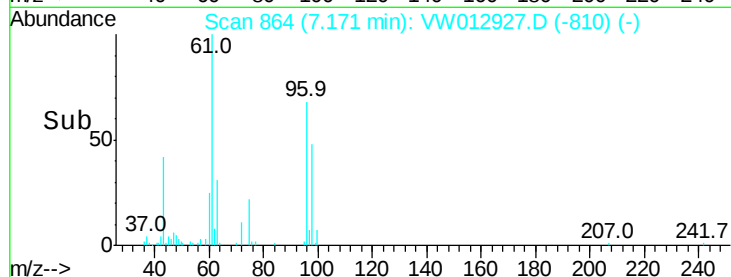
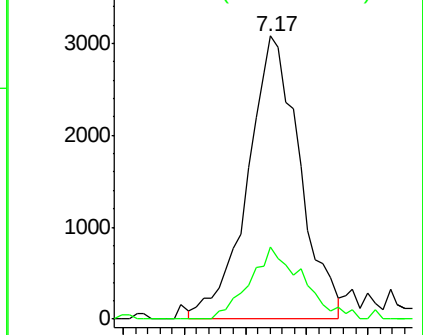
43 100

72 24.8 12.7 38.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#22

cis-1,2-Dichloroethene

Concen: 2.016 ug/L

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW012927.D

Acq: 12 Sep 2019 10:56

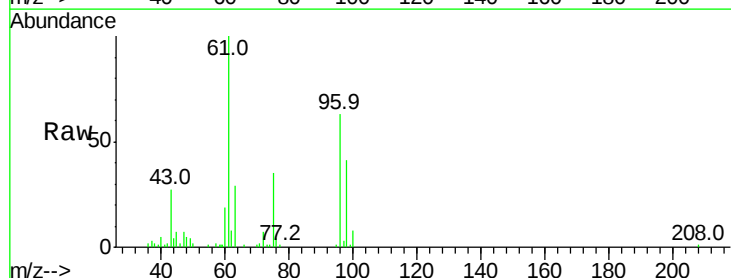
Tgt Ion: 96 Resp: 13884

Ion Ratio Lower Upper

96 100

61 159.8 99.5 184.7

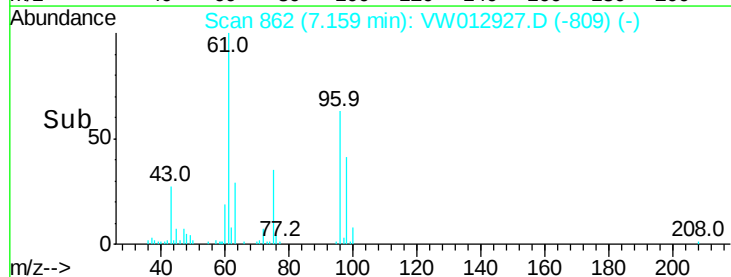
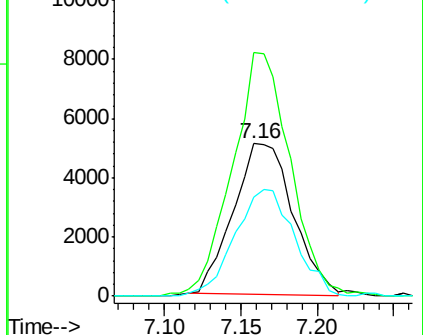
98 65.3 45.6 84.6

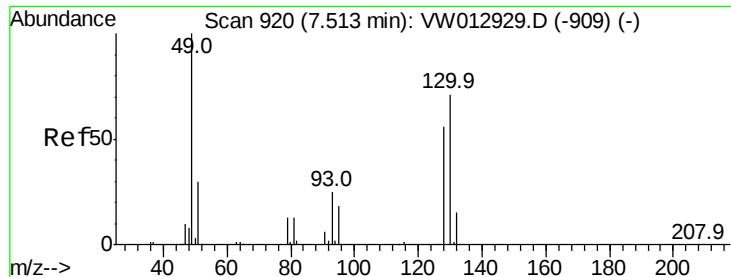


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW

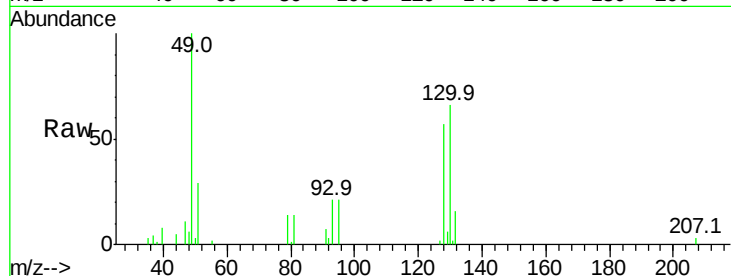




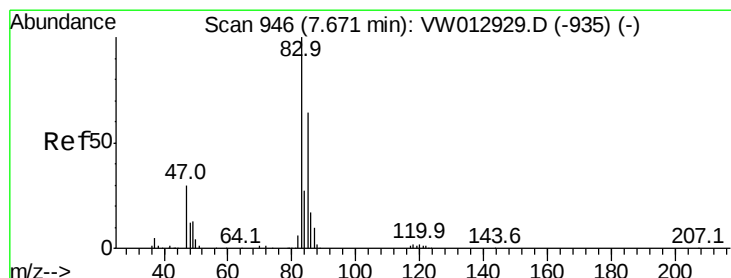
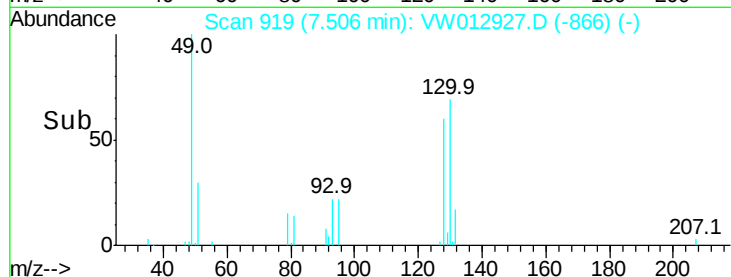
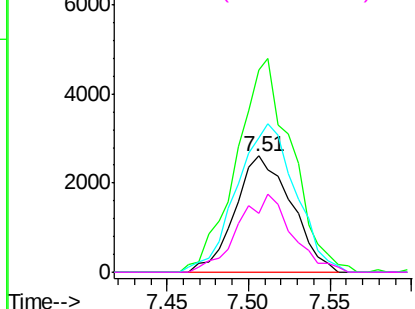
#23
Bromochloromethane
Concen: 2.136 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW012927.D
Acq: 12 Sep 2019 10:56

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.501

Tgt Ion: 128 Resp: 6257
Ion Ratio Lower Upper
128 100
49 174.0 125.7 233.5
130 119.0 89.0 165.4
51 50.2 42.9 64.3

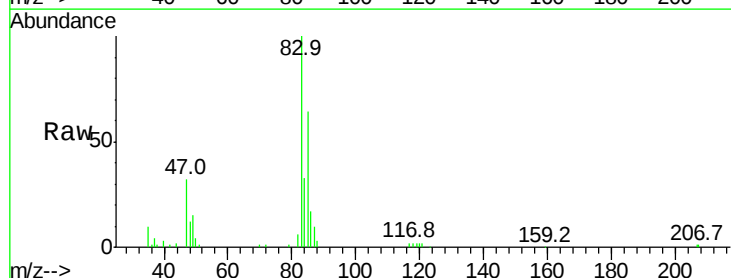


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VV
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VV

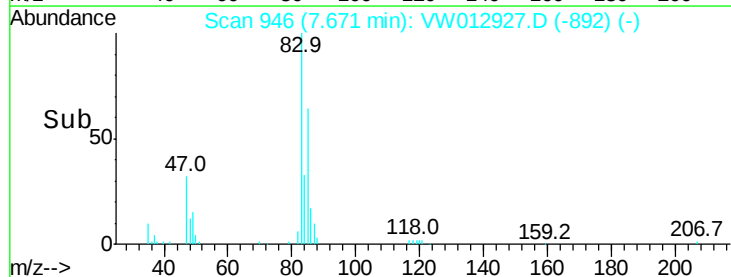
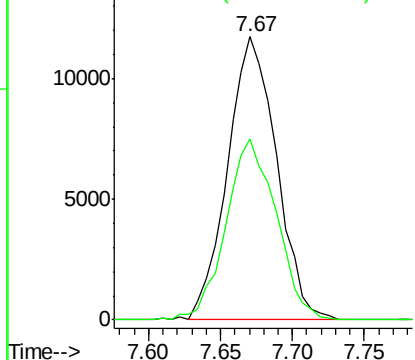


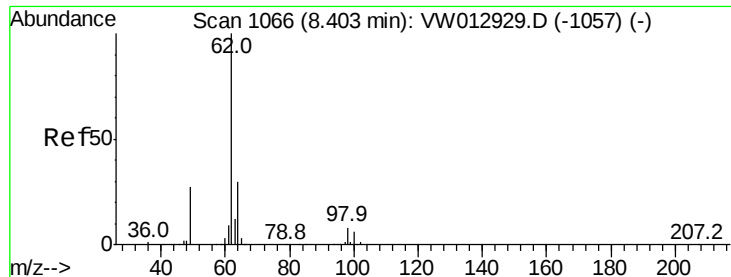
#25
Chloroform
Concen: 2.288 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW012927.D
Acq: 12 Sep 2019 10:56

Tgt Ion: 83 Resp: 27724
Ion Ratio Lower Upper
83 100
85 65.5 45.3 84.1



Abundance Ion 83.00 (82.70 to 83.70): VV
Ion 85.00 (84.70 to 85.70): VV

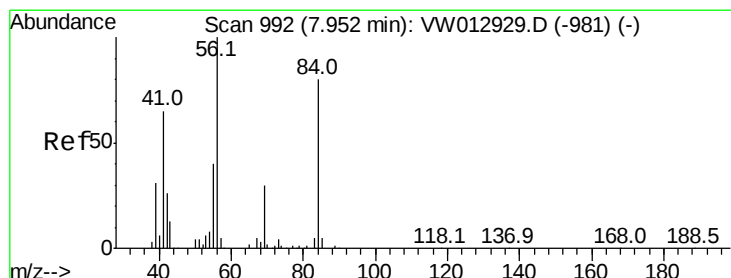
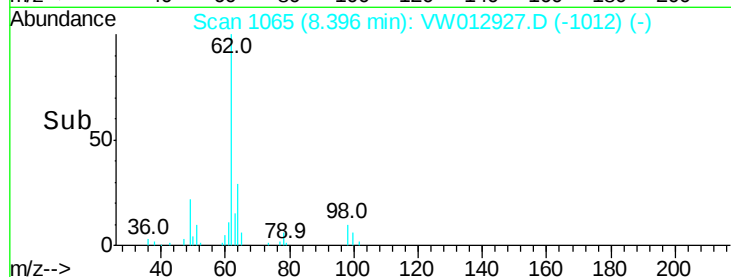
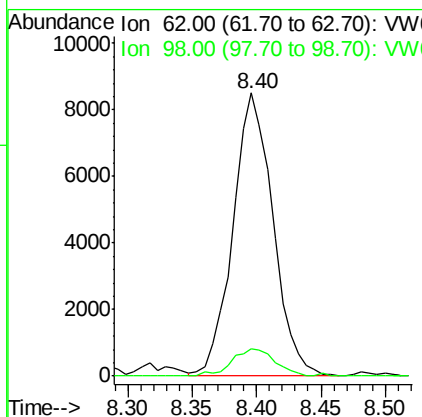
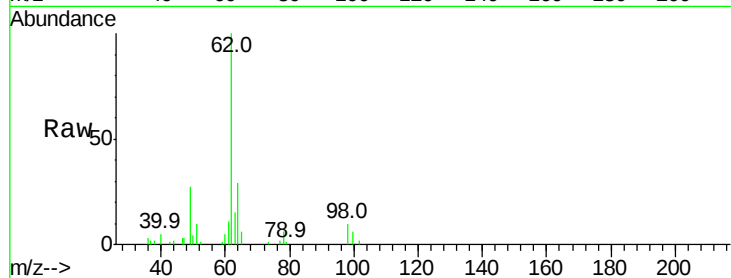




#27
 1,2-Dichloroethane
 Concen: 2.050 ug/L
 RT: 8.40 min Scan# 1065
 Delta R.T. -0.01 min
 Lab File: VW012927.D
 Acq: 12 Sep 2019 10:56

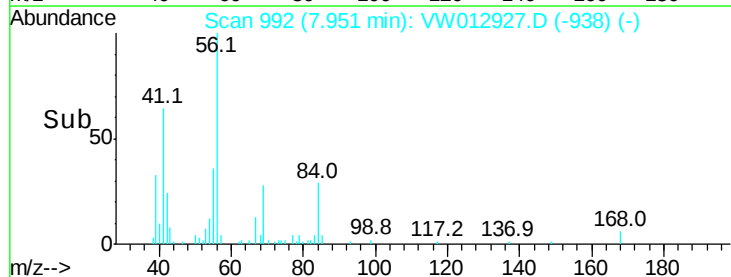
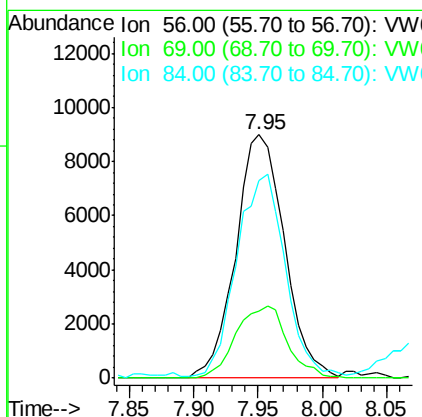
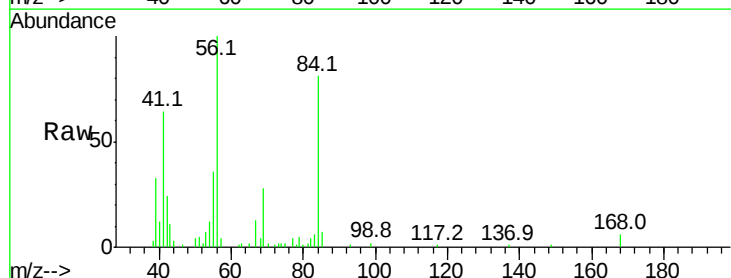
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.501

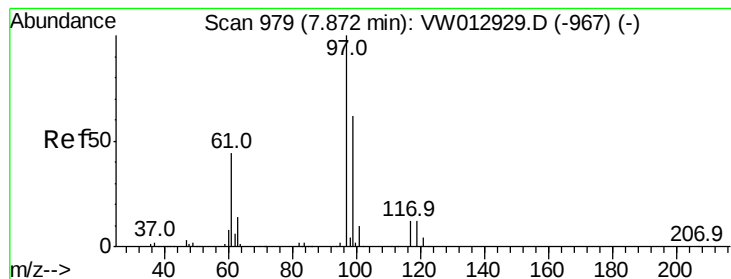
Tgt Ion: 62 Resp: 18388
 Ion Ratio Lower Upper
 62 100
 98 9.8 6.7 10.1



#30
 Cyclohexane
 Concen: 1.743 ug/L
 RT: 7.95 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VW012927.D
 Acq: 12 Sep 2019 10:56

Tgt Ion: 56 Resp: 23593
 Ion Ratio Lower Upper
 56 100
 69 31.2 23.8 35.8
 84 83.4 66.6 99.8





#31

1,1,1-Trichloroethane

Concen: 2.323 ug/L

RT: 7.87 min Scan# 979

Delta R.T. -0.00 min

Lab File: VW012927.D

Acq: 12 Sep 2019 10:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.501

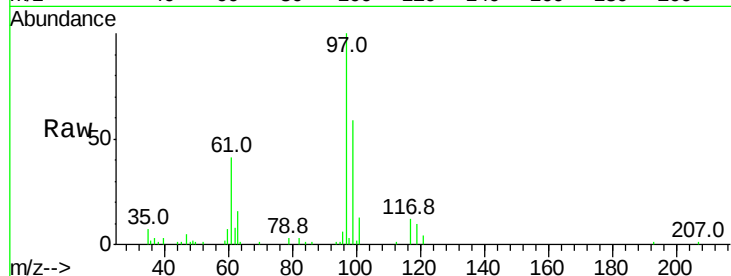
Tgt Ion: 97 Resp: 22040

Ion Ratio Lower Upper

97 100

99 62.7 50.3 75.5

61 43.7 36.3 54.5

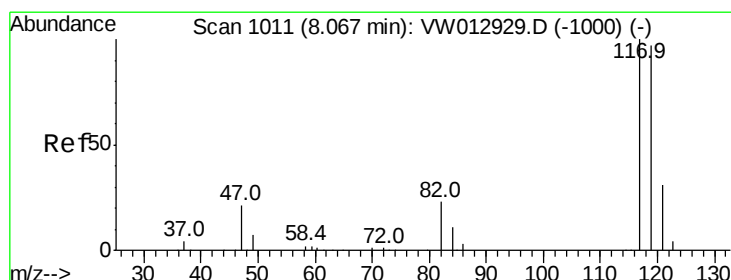
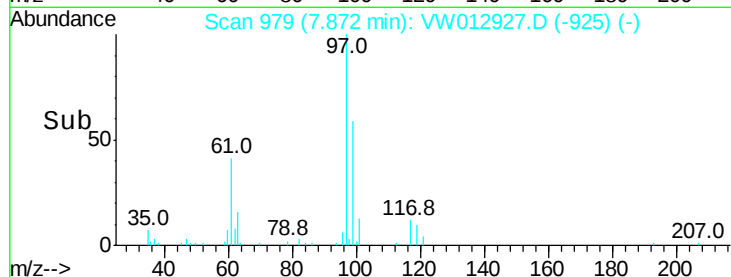
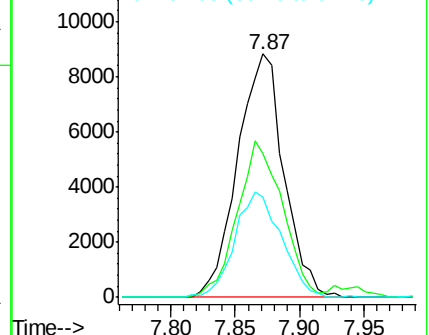


Abundance

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: 2.217 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW012927.D

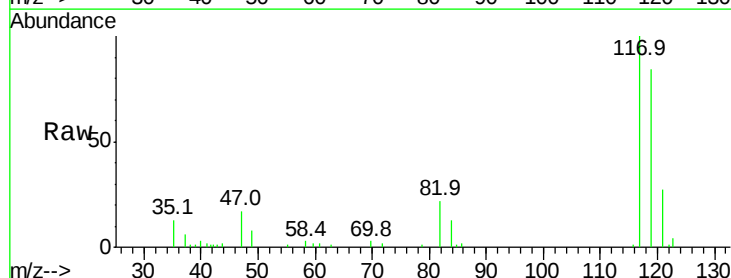
Acq: 12 Sep 2019 10:56

Tgt Ion: 117 Resp: 19786

Ion Ratio Lower Upper

117 100

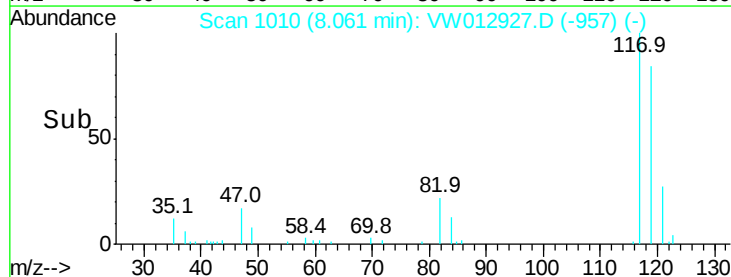
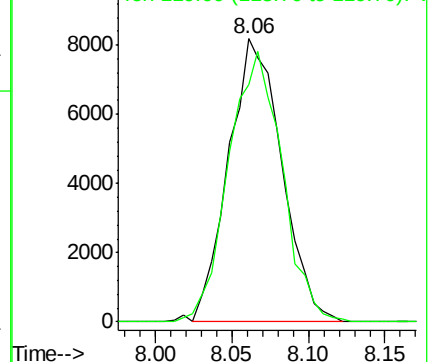
119 95.8 76.7 115.1

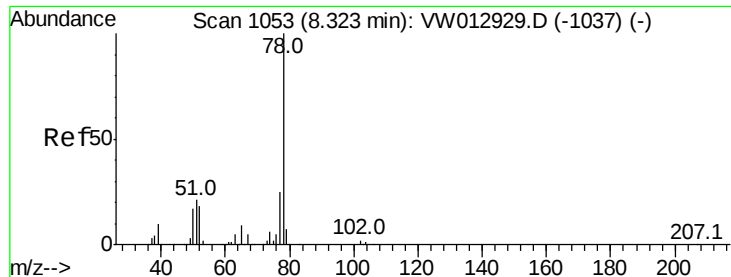


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V





#34

Benzene

Concen: 2.127 ug/L

RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VW012927.D

Acq: 12 Sep 2019 10:56

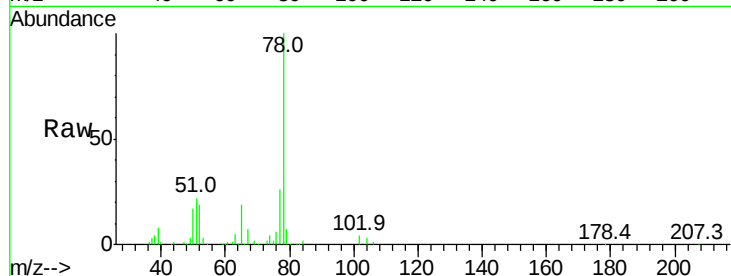
Instrument :

MSVOA_W

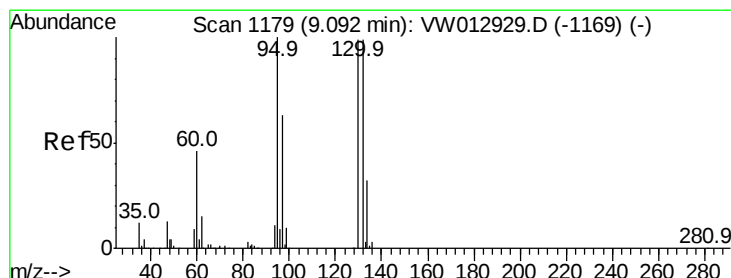
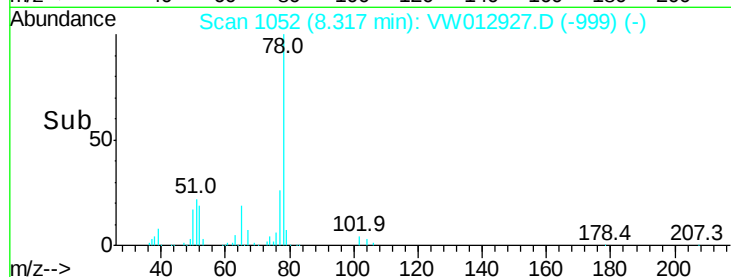
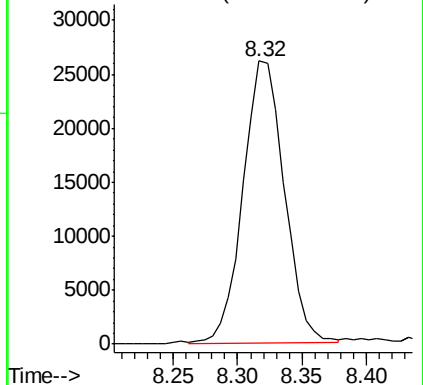
ClientSampleId :

VSTD2.501

Tgt Ion: 78 Resp: 58019



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 2.161 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW012927.D

Acq: 12 Sep 2019 10:56

Tgt Ion: 95 Resp: 14970

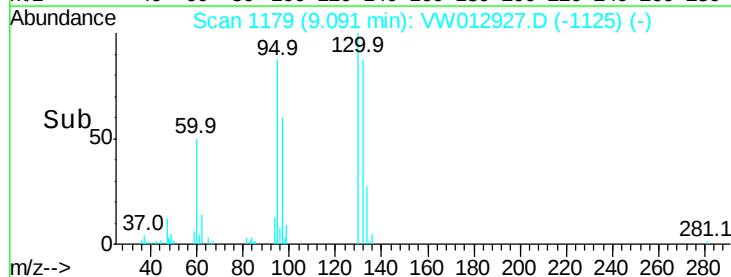
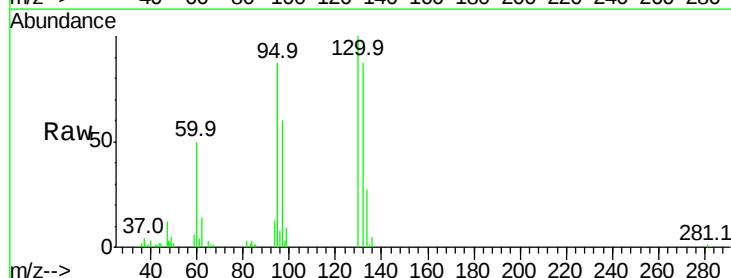
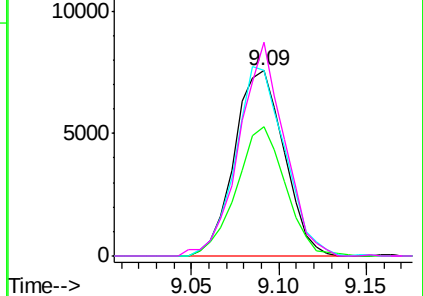
Ion	Ratio	Lower	Upper
95	100		
97	68.6	44.6	82.8
132	101.1	67.8	125.8
130	104.1	72.2	134.2

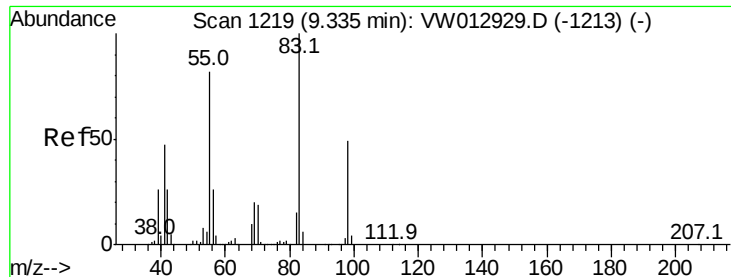
Abundance Ion 95.00 (94.70 to 95.70): VW

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

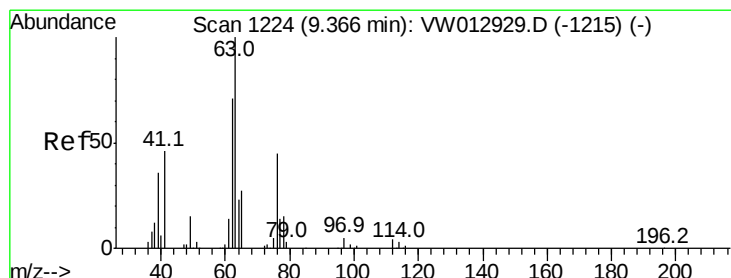
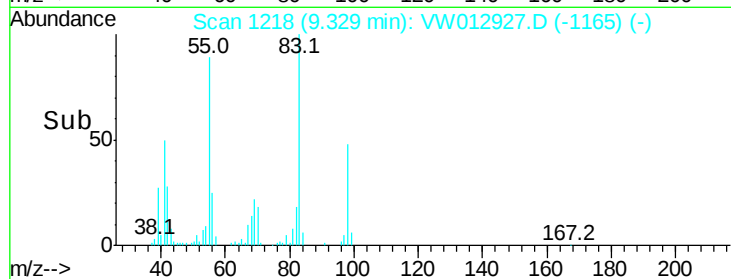
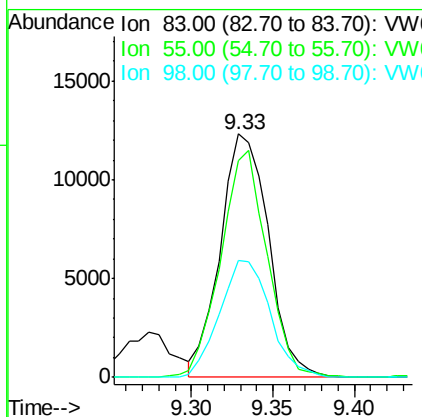
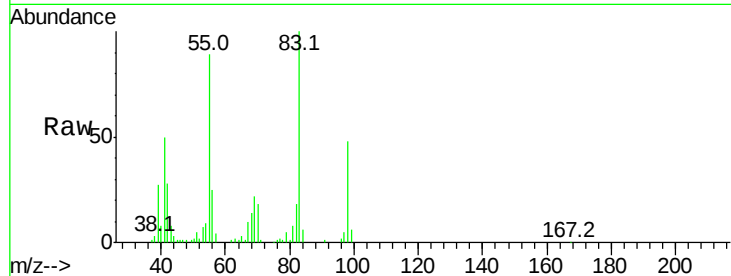




#36
Methylcyclohexane
Concen: 2.018 ug/L
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW012927.D
Acq: 12 Sep 2019 10:56

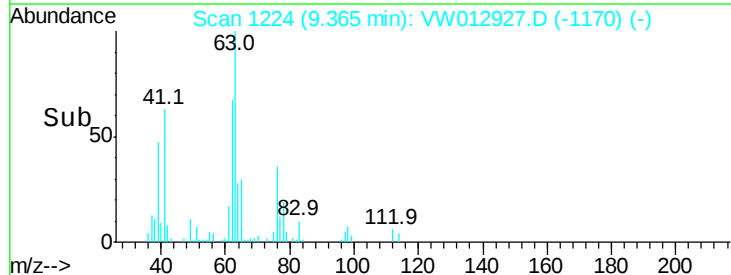
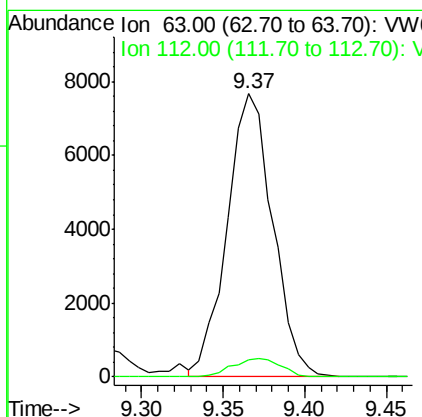
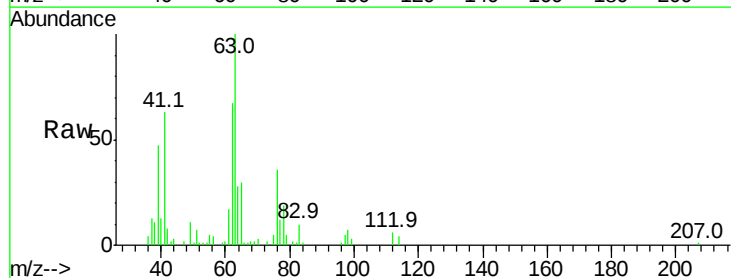
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.501

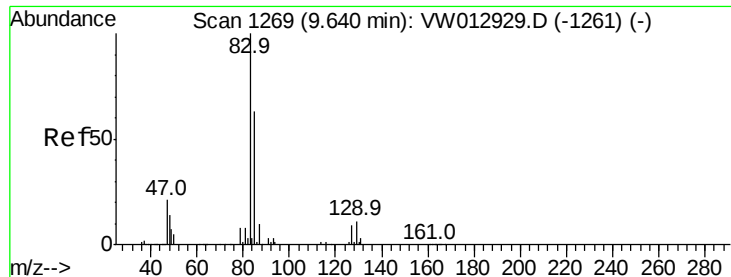
Tgt Ion: 83 Resp: 25362
Ion Ratio Lower Upper
83 100
55 89.5 68.3 102.5
98 50.4 38.5 57.7



#40
1,2-Dichloropropane
Concen: 2.048 ug/L
RT: 9.37 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VW012927.D
Acq: 12 Sep 2019 10:56

Tgt Ion: 63 Resp: 14913
Ion Ratio Lower Upper
63 100
112 6.9 3.8 5.8#





#41

Bromodichloromethane

Concen: 2.093 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW012927.D

Acq: 12 Sep 2019 10:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.501

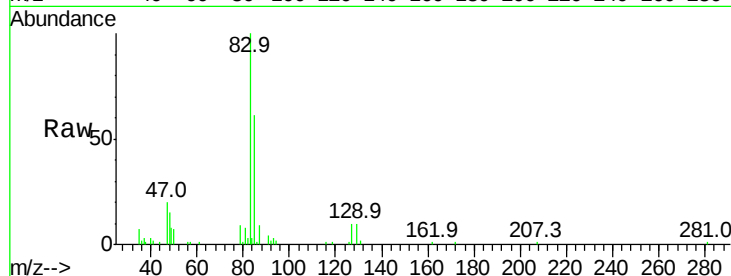
Tgt Ion: 83 Resp: 17986

Ion Ratio Lower Upper

83 100

85 60.7 44.4 82.4

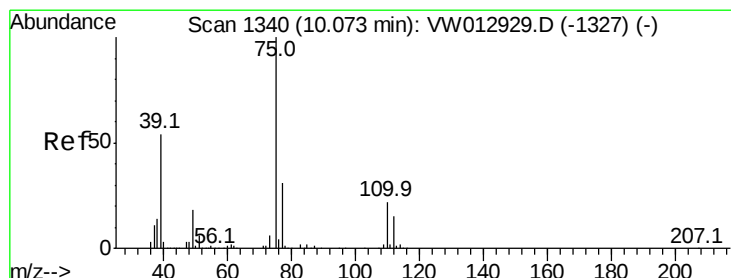
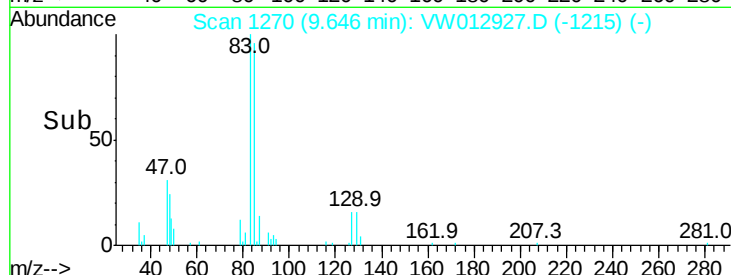
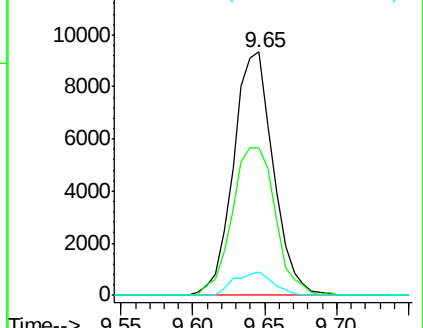
127 9.9 7.0 10.6



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V



#42

cis-1,3-Dichloropropene

Concen: 1.916 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW012927.D

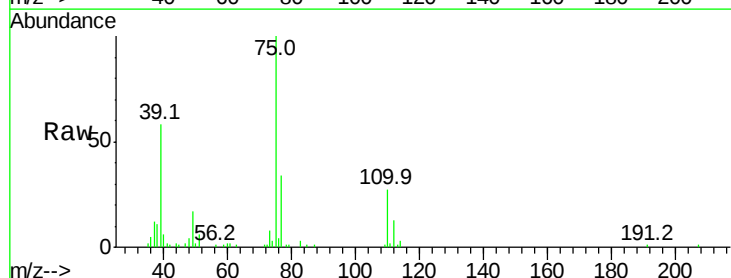
Acq: 12 Sep 2019 10:56

Tgt Ion: 75 Resp: 20872

Ion Ratio Lower Upper

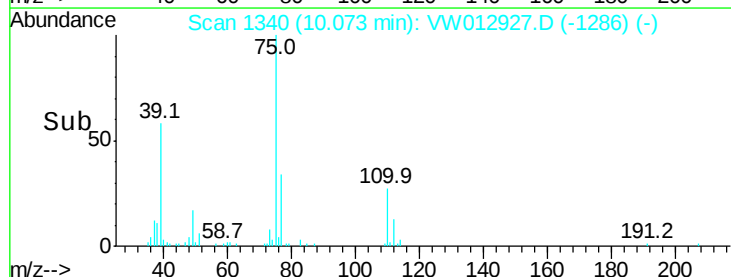
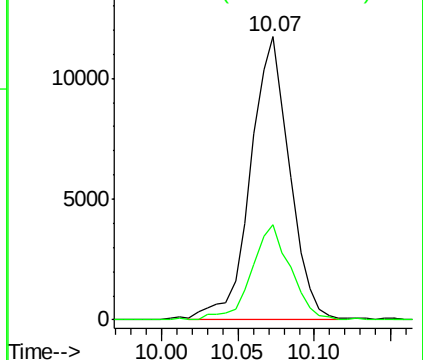
75 100

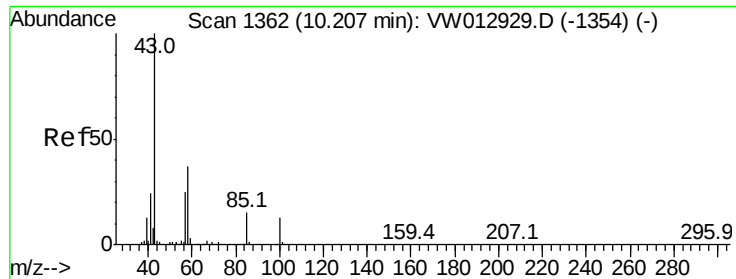
77 33.8 21.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

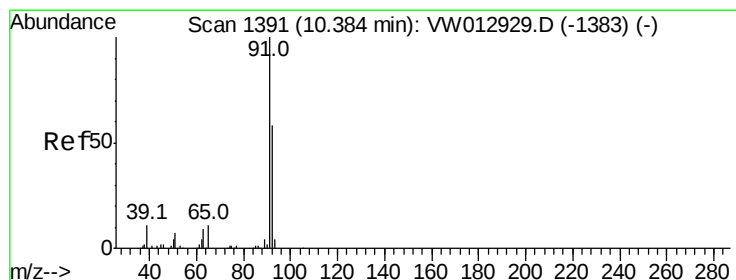
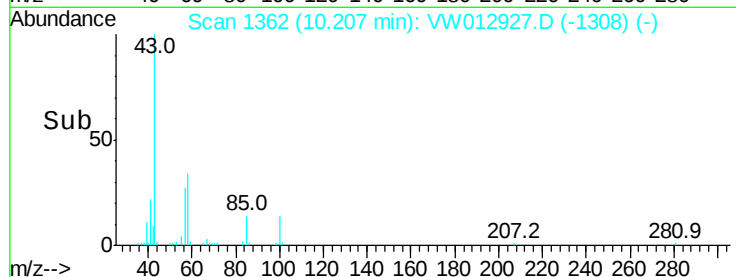
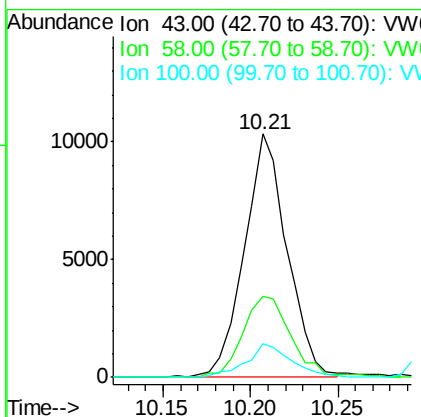
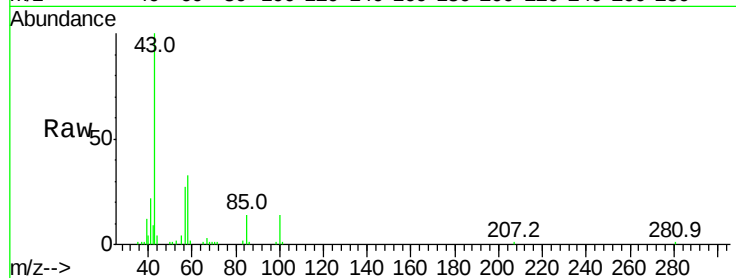




#43
 4-Methyl-2-pentanone
 Concen: 2.662 ug/L
 RT: 10.21 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VW012927.D
 Acq: 12 Sep 2019 10:56

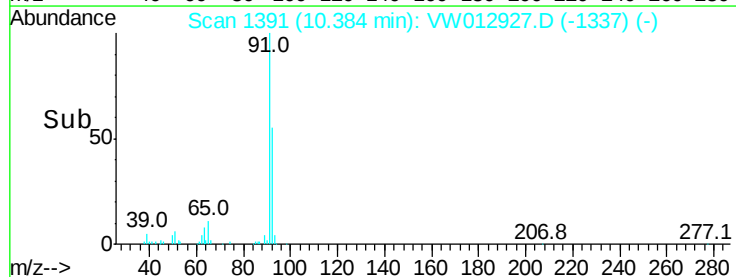
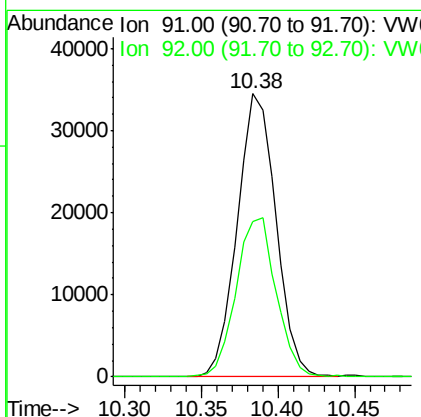
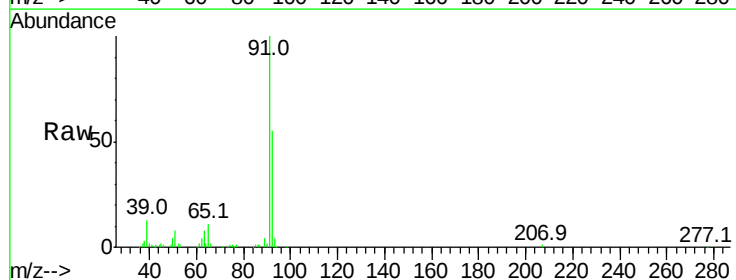
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.501

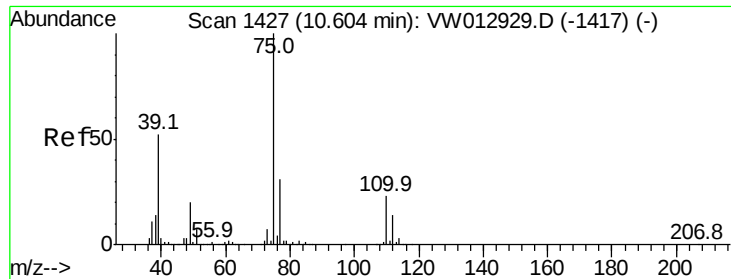
Tgt Ion: 43 Resp: 17566
 Ion Ratio Lower Upper
 43 100
 58 36.9 29.5 44.3
 100 14.2 11.5 17.3



#44
 Toluene
 Concen: 2.187 ug/L
 RT: 10.38 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VW012927.D
 Acq: 12 Sep 2019 10:56

Tgt Ion: 91 Resp: 60621
 Ion Ratio Lower Upper
 91 100
 92 54.7 40.7 75.5





#45

trans-1,3-Dichloropropene

Concen: 1.889 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW012927.D

Acq: 12 Sep 2019 10:56

Instrument :

MSVOA_W

ClientSampleId :

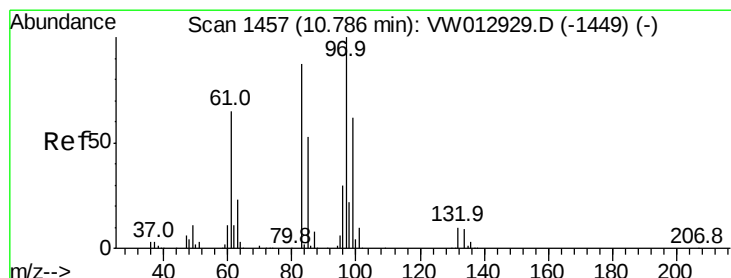
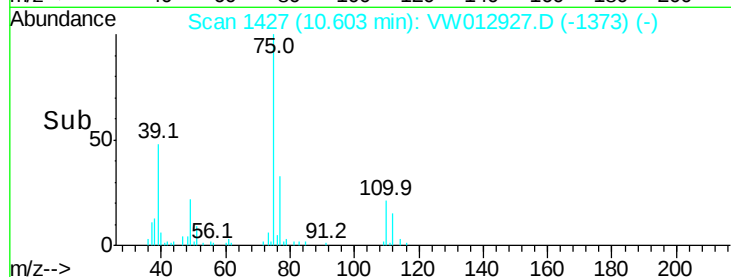
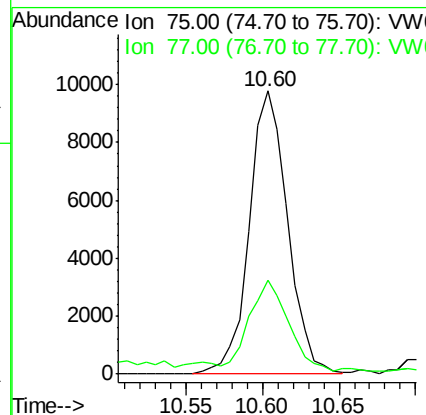
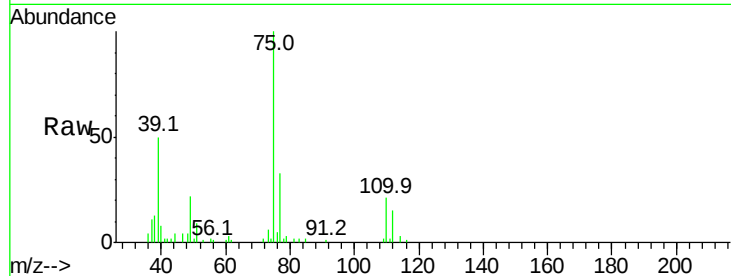
VSTD2.501

Tgt Ion: 75 Resp: 17119

Ion Ratio Lower Upper

75 100

77 33.3 21.8 40.4



#46

1,1,2-Trichloroethane

Concen: 1.949 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW012927.D

Acq: 12 Sep 2019 10:56

Tgt Ion: 97 Resp: 9676

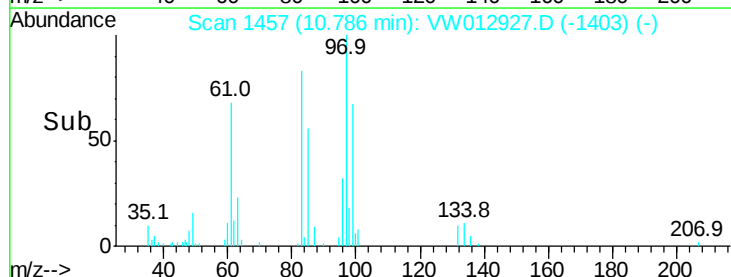
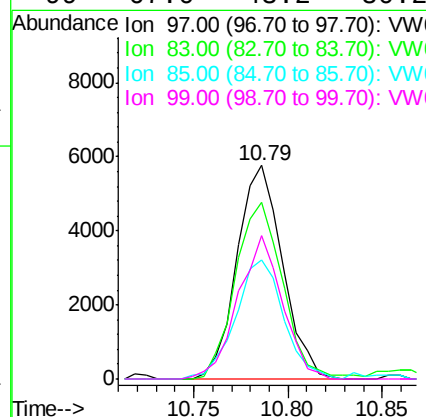
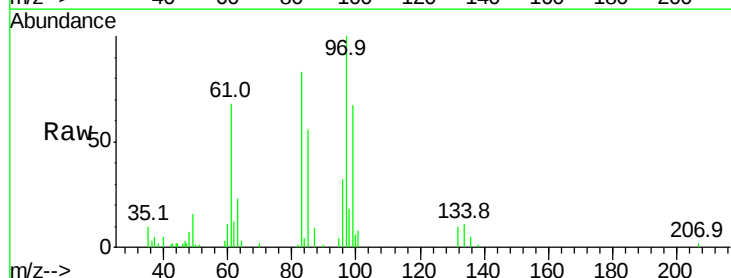
Ion Ratio Lower Upper

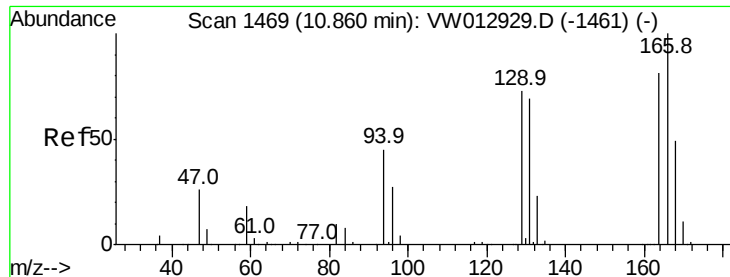
97 100

83 83.0 60.6 112.6

85 55.8 37.5 69.6

99 67.0 43.2 80.2





#47

Tetrachloroethene

Concen: 2.617 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW012927.D

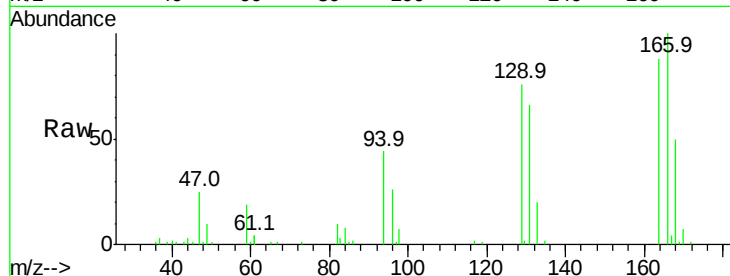
Acq: 12 Sep 2019 10:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.501



Tgt Ion:164 Resp: 13845

Ion Ratio Lower Upper

164 100

129 89.3 62.6 116.3

131 75.4 60.0 111.4

166 114.0 86.5 160.6

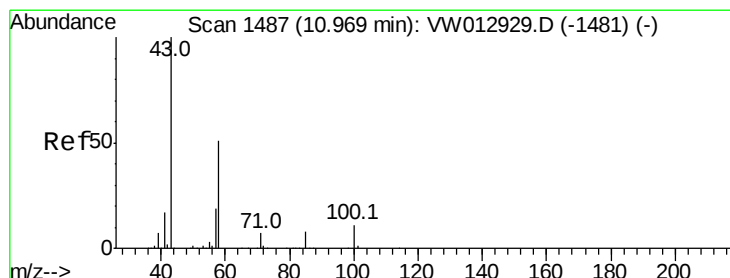
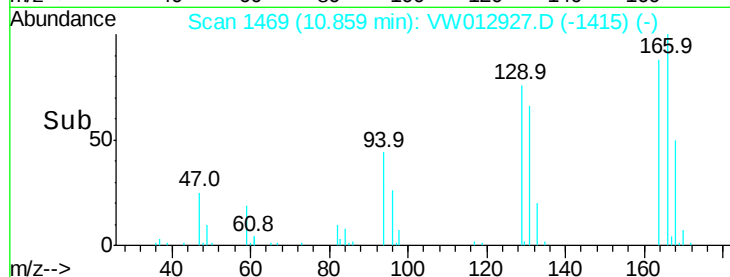
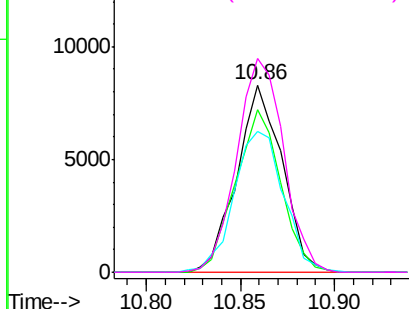
Abundance

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: 2.485 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW012927.D

Acq: 12 Sep 2019 10:56

Tgt Ion: 43 Resp: 12633

Ion Ratio Lower Upper

43 100

58 51.6 42.4 63.6

57 19.9 15.0 22.6

100 6.7 9.0 13.6#

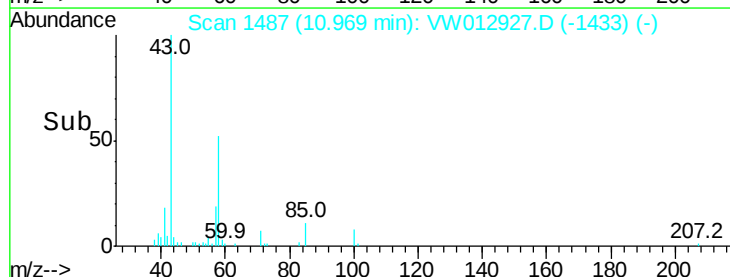
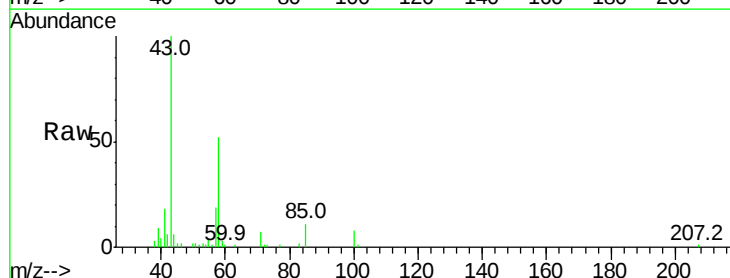
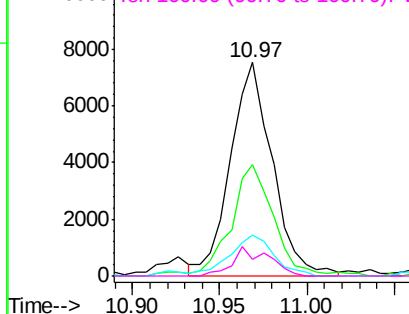
Abundance

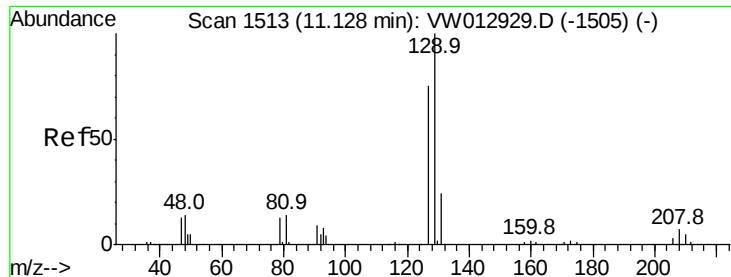
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW





#50

Dibromochloromethane

Concen: 2.005 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW012927.D

Acq: 12 Sep 2019 10:56

Instrument :

MSVOA_W

ClientSampleId :

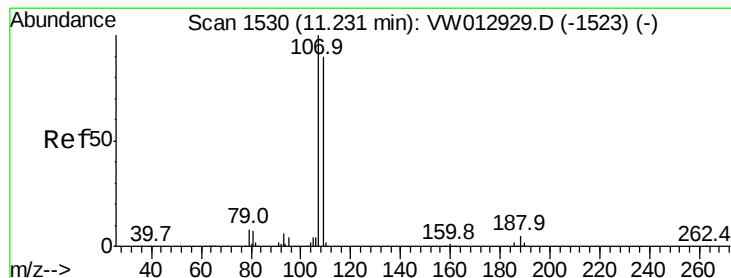
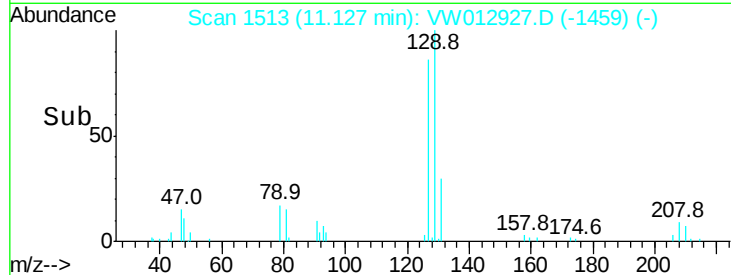
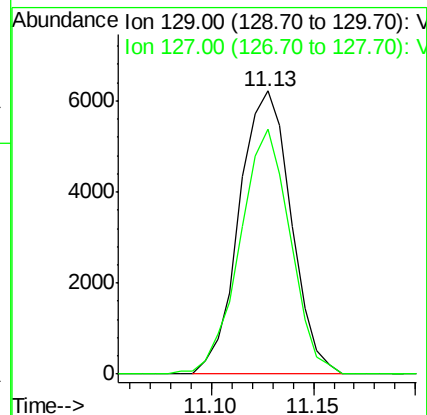
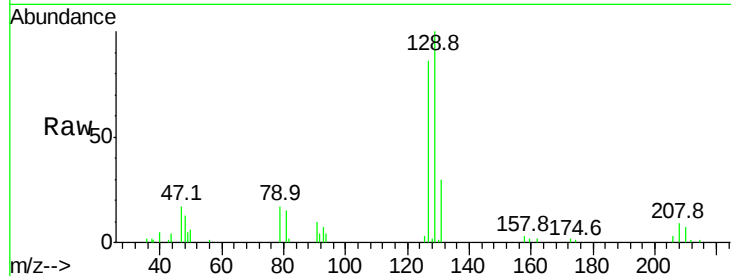
VSTD2.501

Tgt Ion:129 Resp: 10973

Ion Ratio Lower Upper

129 100

127 86.3 52.7 97.9



#51

1,2-Dibromoethane

Concen: 1.930 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW012927.D

Acq: 12 Sep 2019 10:56

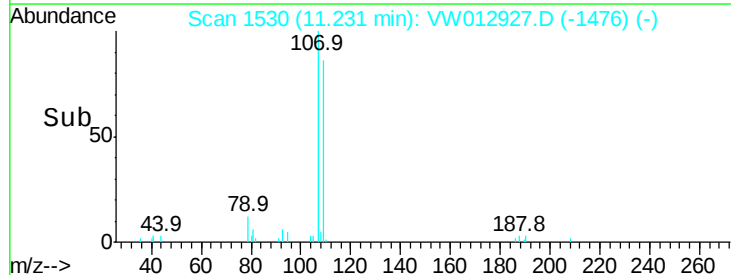
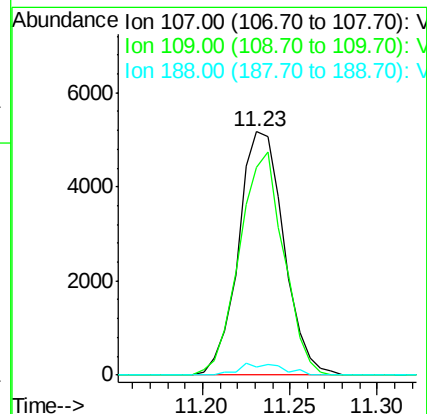
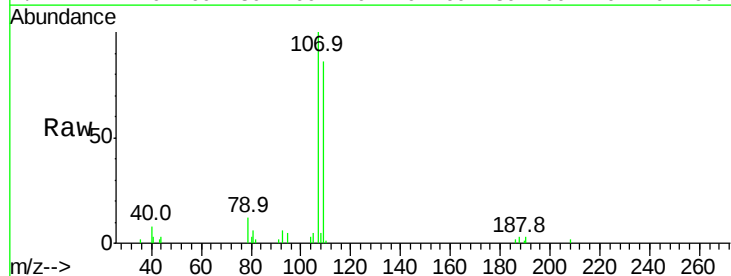
Tgt Ion:107 Resp: 9325

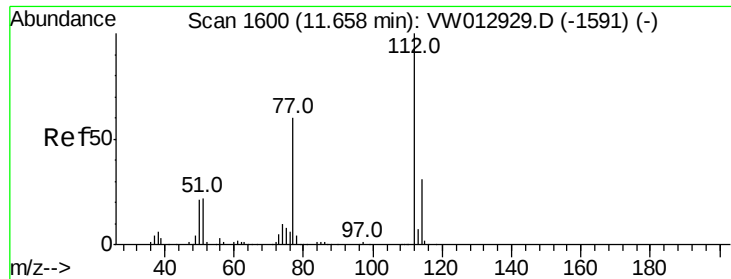
Ion Ratio Lower Upper

107 100

109 85.6 62.6 116.3

188 3.5 4.2 6.2#





#52

Chlorobenzene

Concen: 2.323 ug/L

RT: 11.65 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VW012927.D

Acq: 12 Sep 2019 10:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.501

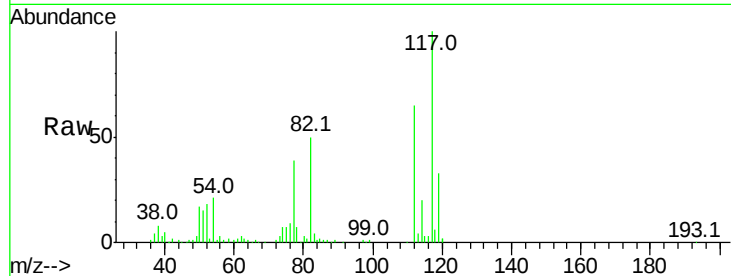
Tgt Ion:112 Resp: 38841

Ion Ratio Lower Upper

112 100

77 60.5 47.7 71.5

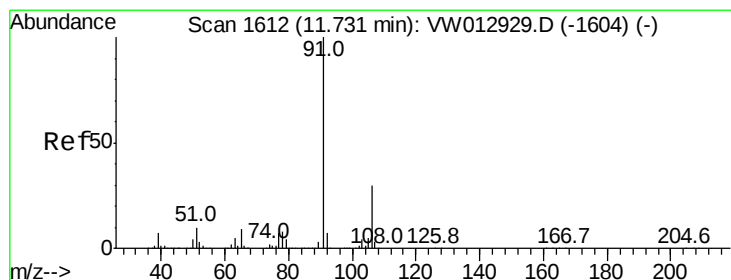
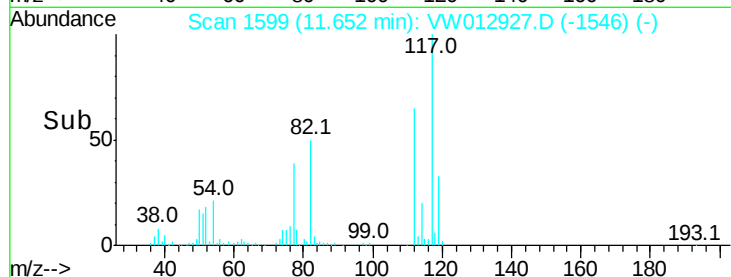
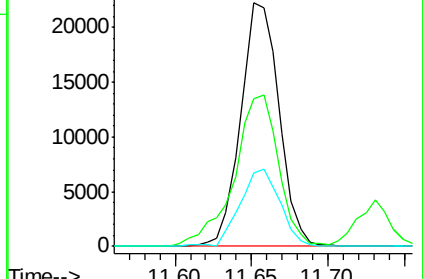
114 30.2 21.6 40.0



Abundance Ion 112.00 (111.70 to 112.70): VW

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): VW



#53

Ethylbenzene

Concen: 2.225 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW012927.D

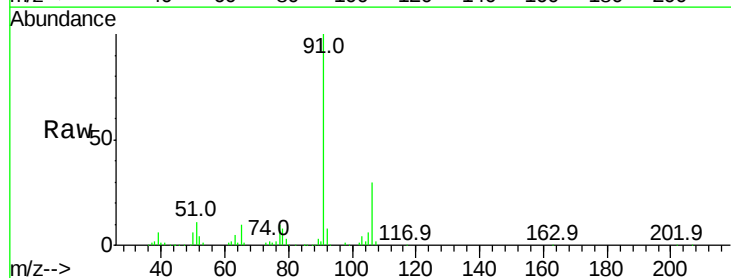
Acq: 12 Sep 2019 10:56

Tgt Ion: 91 Resp: 68785

Ion Ratio Lower Upper

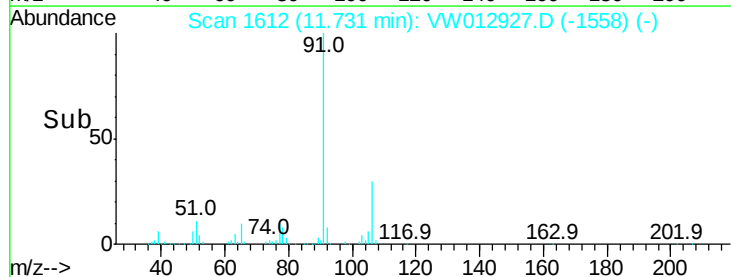
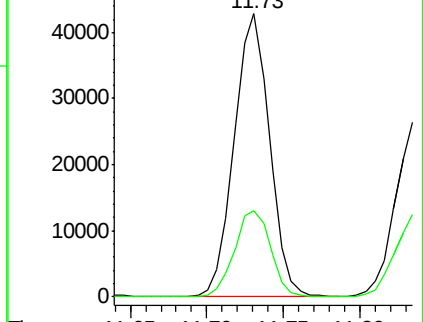
91 100

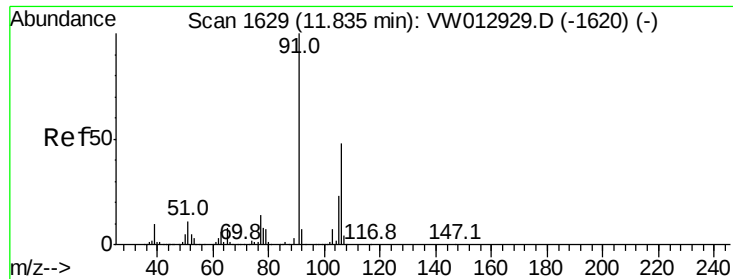
106 30.5 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): VW





#54

m,p-Xylene

Concen: 2.302 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.01 min

Lab File: VW012927.D

Acq: 12 Sep 2019 10:56

Instrument :

MSVOA_W

ClientSampleId :

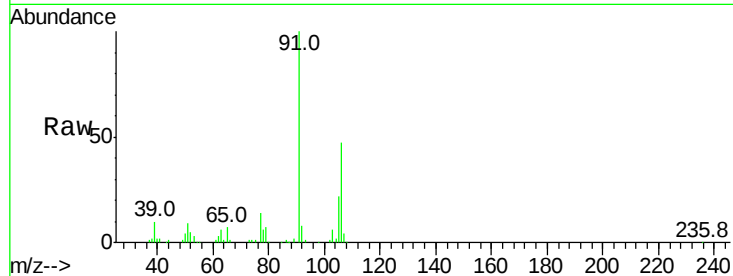
VSTD2.501

Tgt Ion:106 Resp: 25872

Ion Ratio Lower Upper

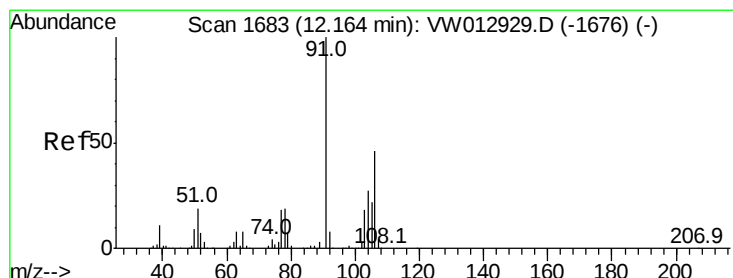
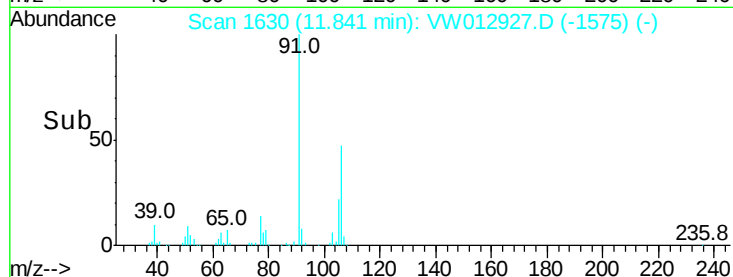
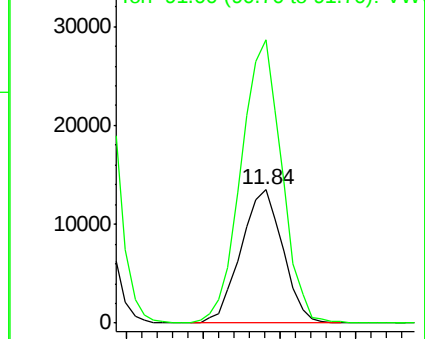
106 100

91 212.5 145.0 269.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 2.311 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW012927.D

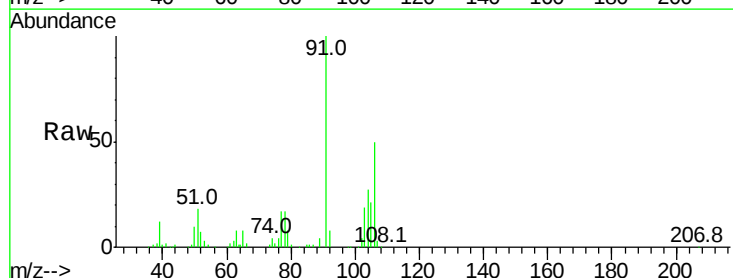
Acq: 12 Sep 2019 10:56

Tgt Ion:106 Resp: 24445

Ion Ratio Lower Upper

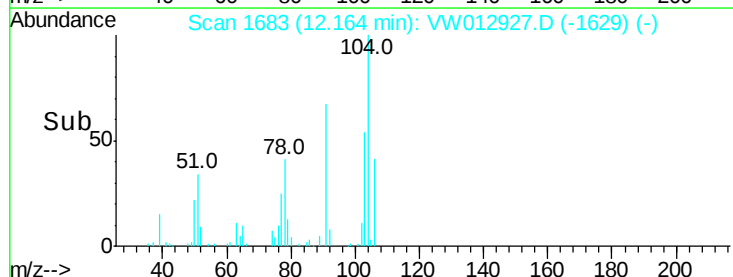
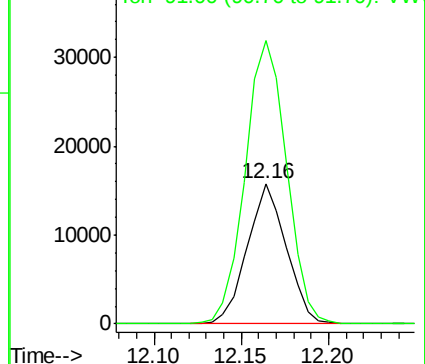
106 100

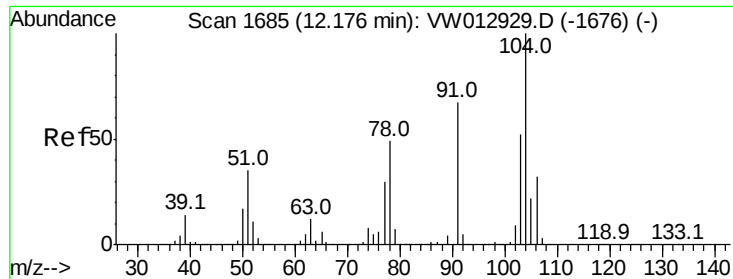
91 201.6 153.2 284.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#56

Styrene

Concen: 2.277 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.01 min

Lab File: VW012927.D

Acq: 12 Sep 2019 10:56

Instrument :

MSVOA_W

ClientSampleId :

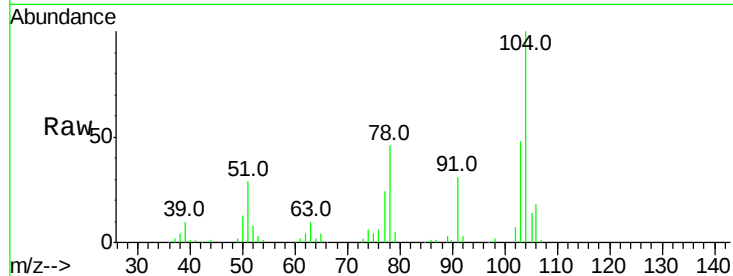
VSTD2.501

Tgt Ion:104 Resp: 40950

Ion Ratio Lower Upper

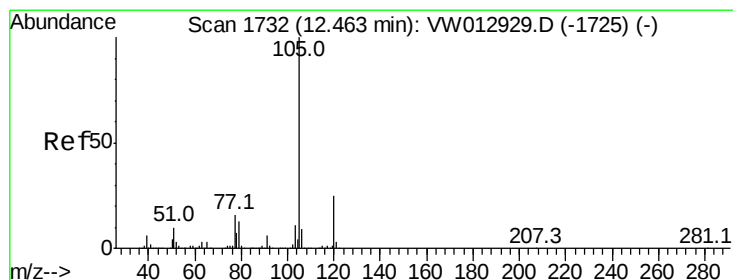
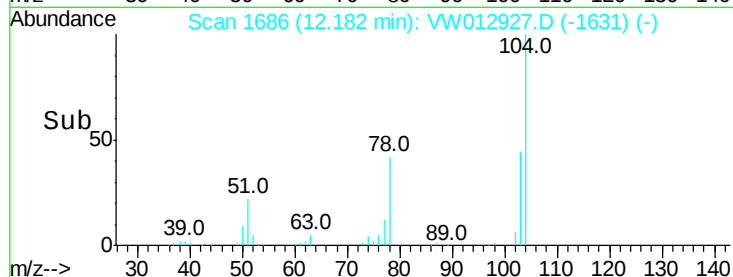
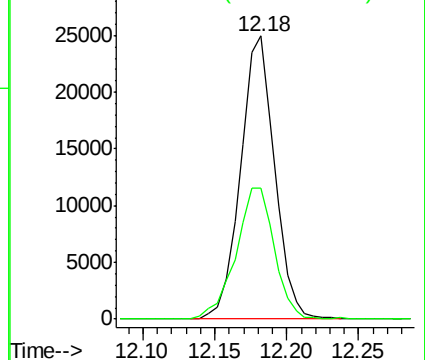
104 100

78 46.4 34.5 64.1



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW



#57

Isopropylbenzene

Concen: 2.238 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012927.D

Acq: 12 Sep 2019 10:56

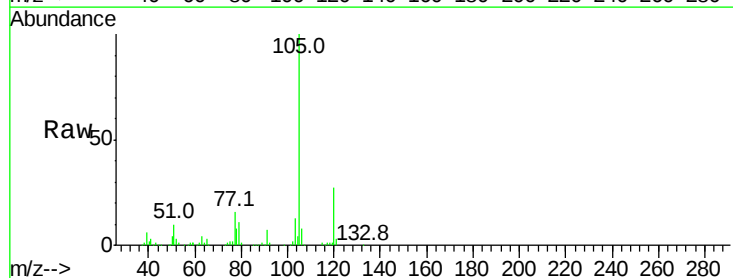
Tgt Ion:105 Resp: 65140

Ion Ratio Lower Upper

105 100

120 25.8 20.6 31.0

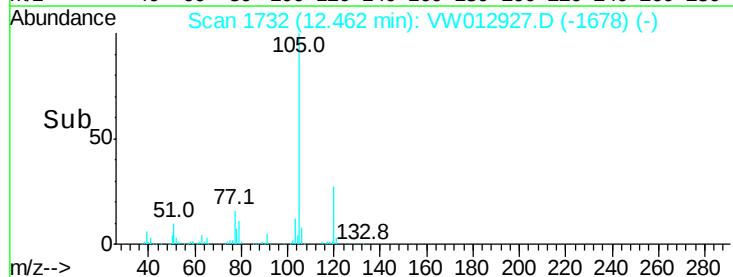
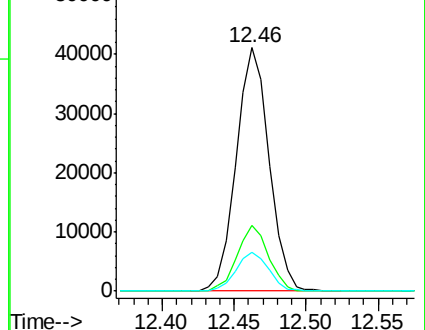
77 15.9 12.9 19.3

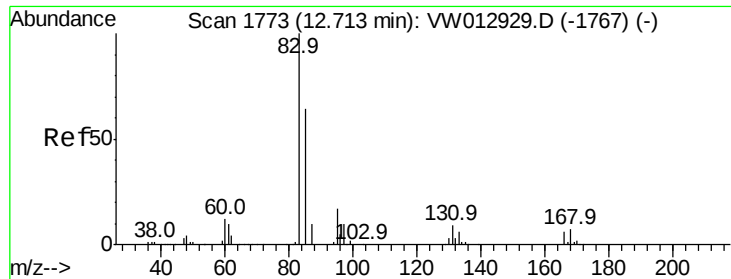


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VW





#58

1,1,2,2-Tetrachloroethane

Concen: 1.697 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW012927.D

Acq: 12 Sep 2019 10:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.501

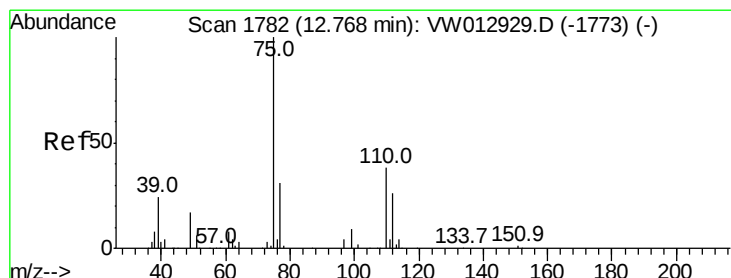
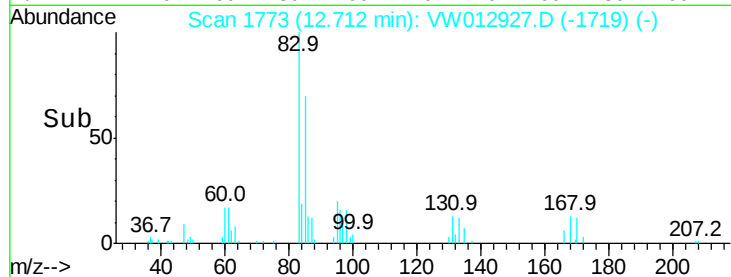
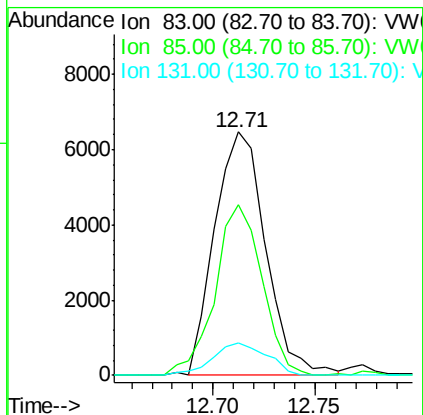
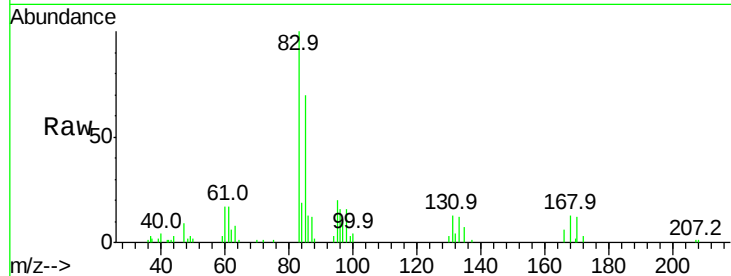
Tgt Ion: 83 Resp: 11198

Ion Ratio Lower Upper

83 100

85 70.3 44.9 83.5

131 13.5 8.0 12.0#



#59

1,2,3-Trichloropropane

Concen: 1.793 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW012927.D

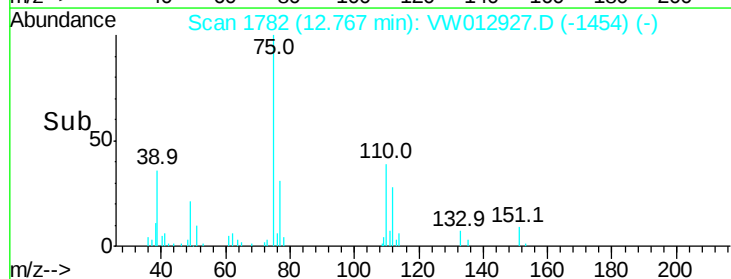
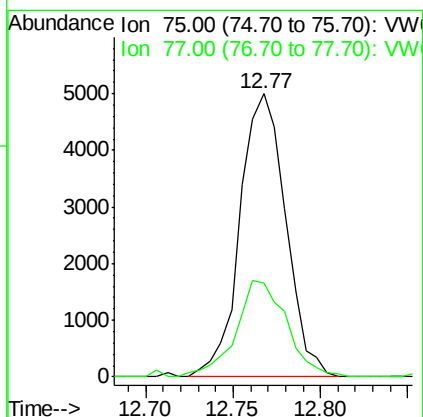
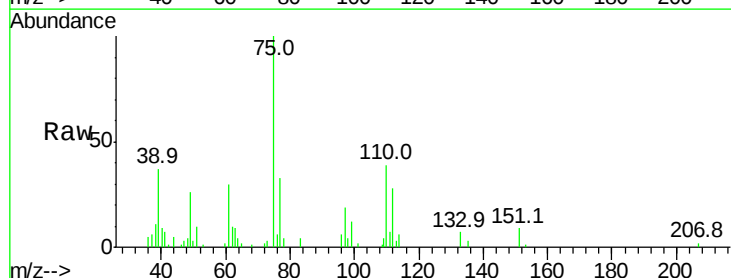
Acq: 12 Sep 2019 10:56

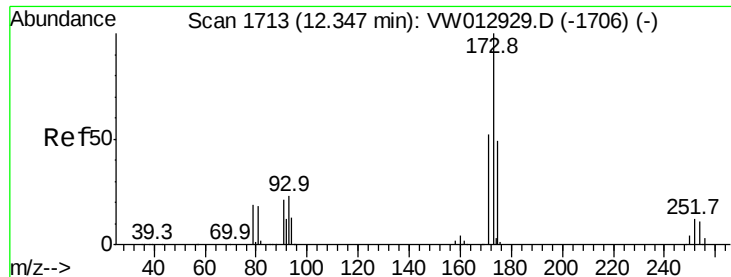
Tgt Ion: 75 Resp: 9124

Ion Ratio Lower Upper

75 100

77 37.6 25.4 38.2

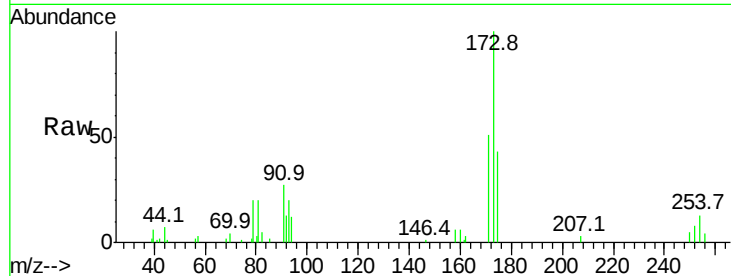




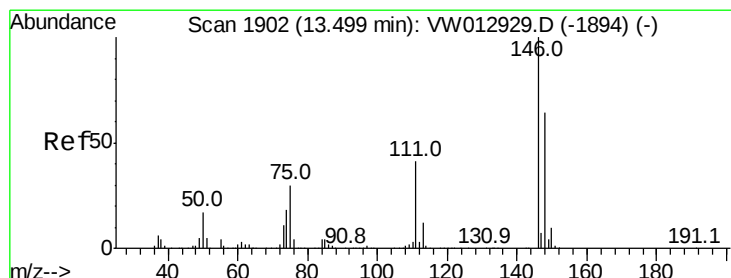
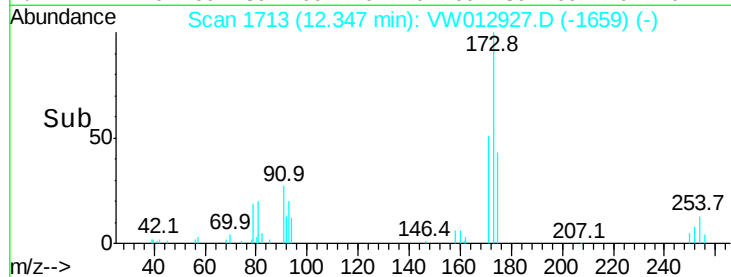
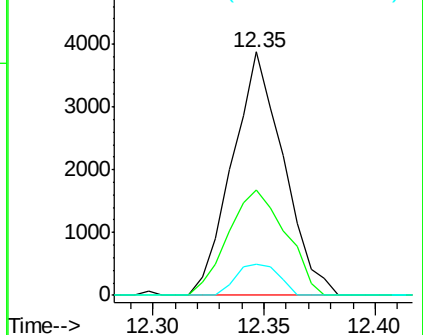
#62
Bromoform
Concen: 1.822 ug/L
RT: 12.35 min Scan# 1713
Delta R.T. -0.00 min
Lab File: VW012927.D
Acq: 12 Sep 2019 10:56

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.501

Tgt Ion:173 Resp: 6212
Ion Ratio Lower Upper
173 100
175 48.5 39.7 59.5
254 10.7 9.8 14.6

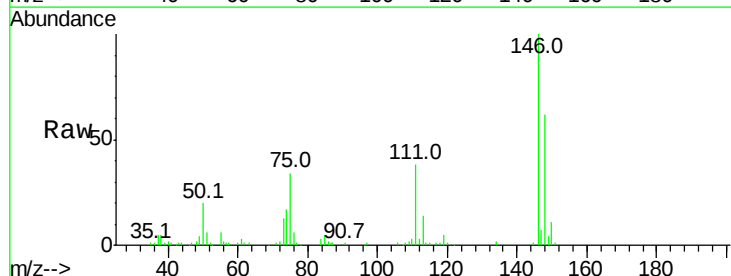


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

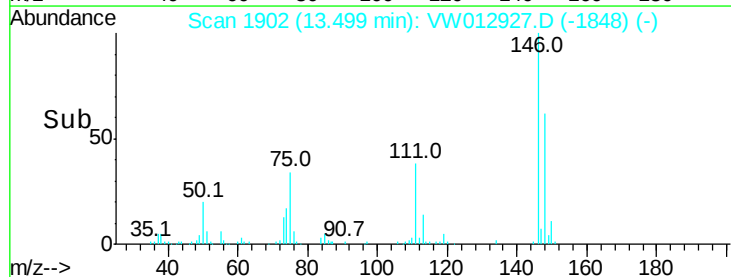
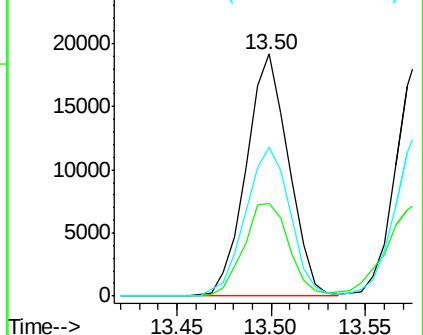


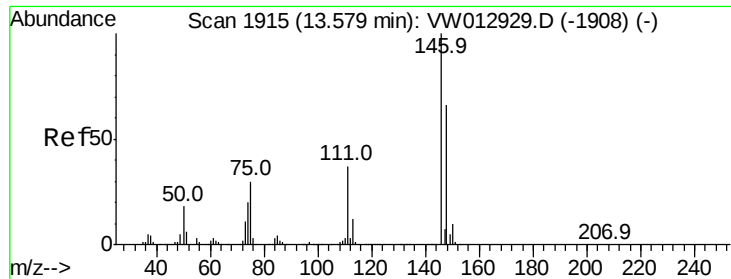
#63
1,3-Dichlorobenzene
Concen: 2.313 ug/L
RT: 13.50 min Scan# 1902
Delta R.T. -0.00 min
Lab File: VW012927.D
Acq: 12 Sep 2019 10:56

Tgt Ion:146 Resp: 29913
Ion Ratio Lower Upper
146 100
111 38.4 28.4 52.8
148 61.6 44.4 82.5



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: 2.317 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW012927.D

Acq: 12 Sep 2019 10:56

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.501

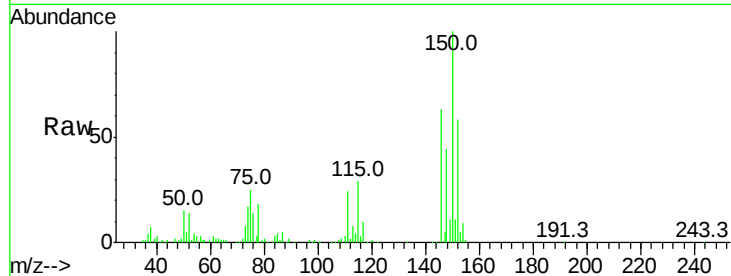
Tgt Ion:146 Resp: 30085

Ion Ratio Lower Upper

146 100

111 37.9 26.1 48.5

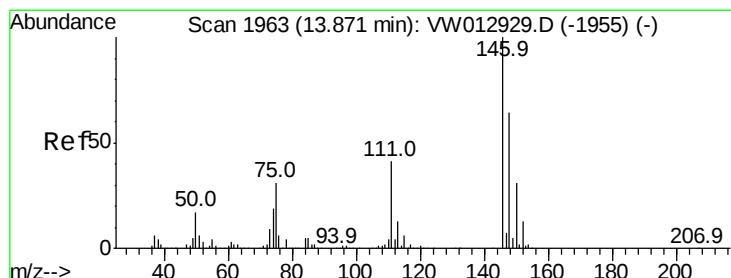
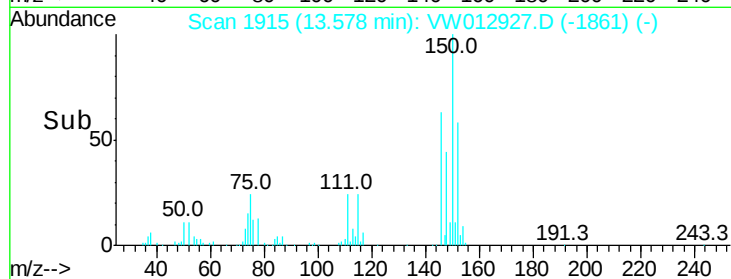
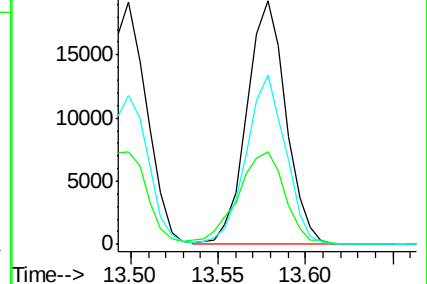
148 69.5 45.8 85.0



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: 2.328 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW012927.D

Acq: 12 Sep 2019 10:56

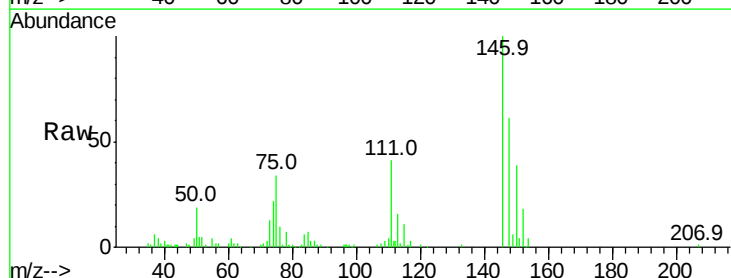
Tgt Ion:146 Resp: 27255

Ion Ratio Lower Upper

146 100

111 41.2 33.0 49.6

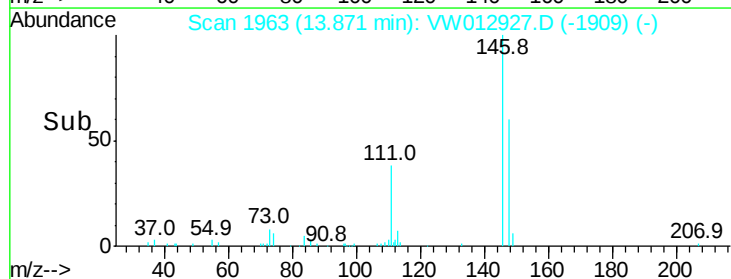
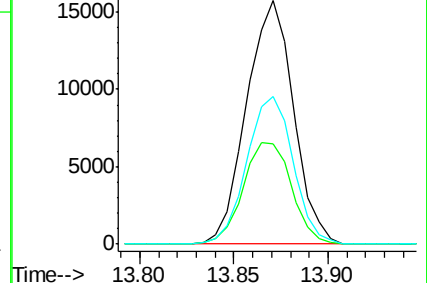
148 60.5 50.8 76.2

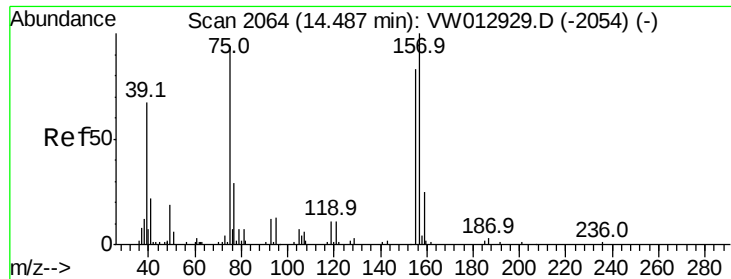


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

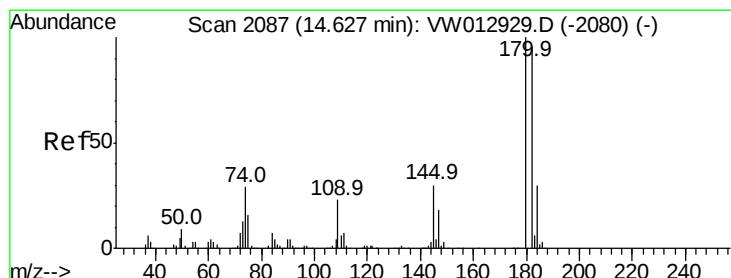
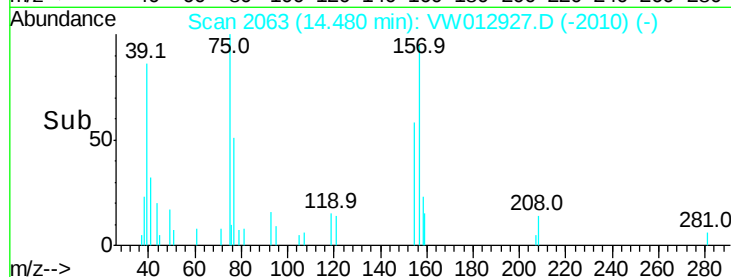
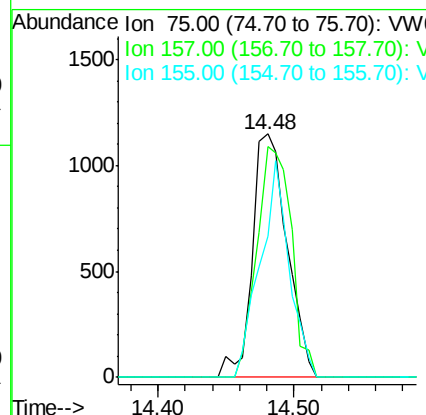
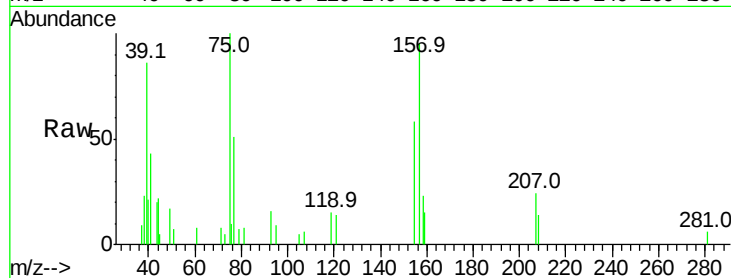




#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.696 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW012927.D
 Acq: 12 Sep 2019 10:56

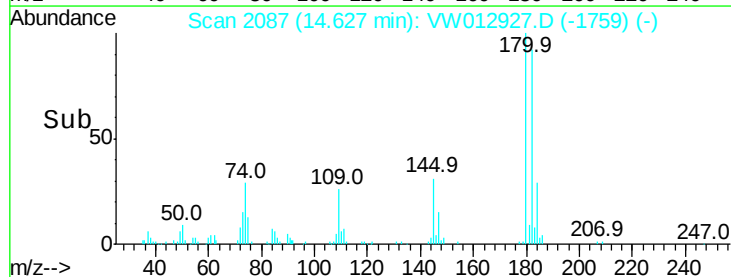
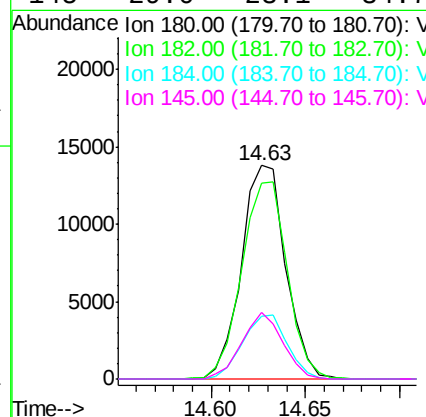
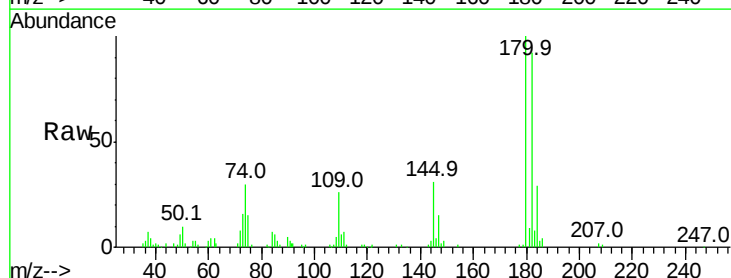
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.501

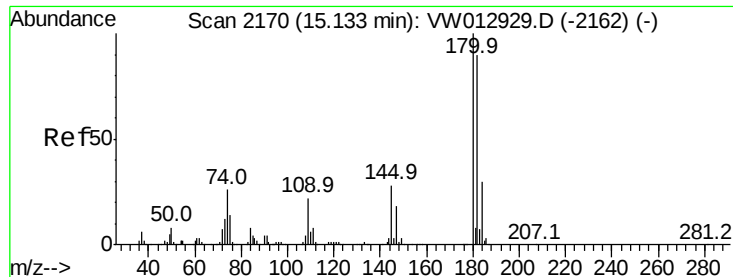
Tgt Ion: 75 Resp: 2055
 Ion Ratio Lower Upper
 75 100
 157 94.7 85.0 127.4
 155 57.9 70.2 105.4#



#67
 1,3,5-Trichlorobenzene
 Concen: 2.365 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VW012927.D
 Acq: 12 Sep 2019 10:56

Tgt Ion: 180 Resp: 22515
 Ion Ratio Lower Upper
 180 100
 182 93.5 75.8 113.8
 184 30.0 23.8 35.8
 145 29.0 23.1 34.7

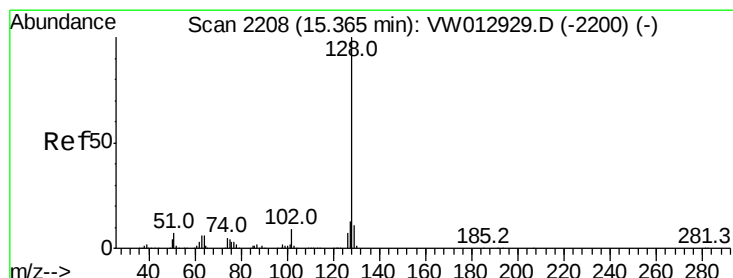
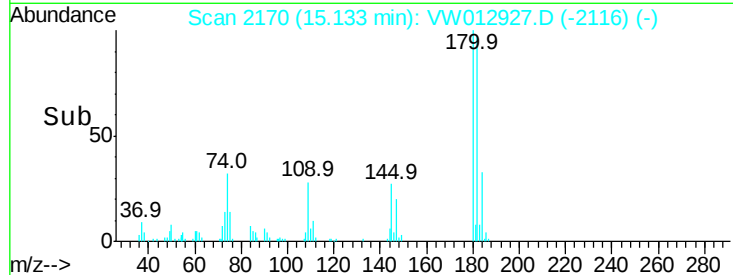
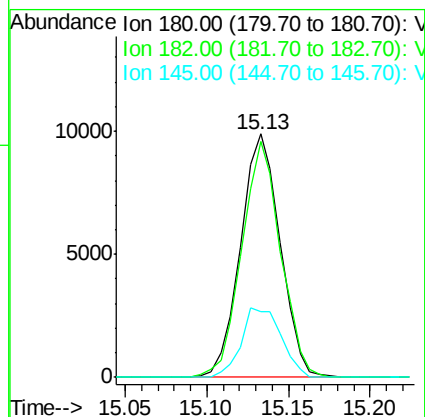
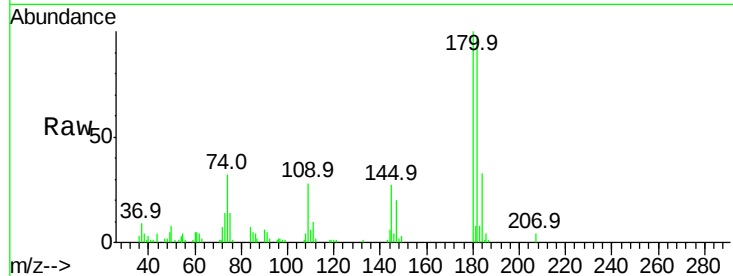




#68
 1,2,4-trichlorobenzene
 Concen: 2.183 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW012927.D
 Acq: 12 Sep 2019 10:56

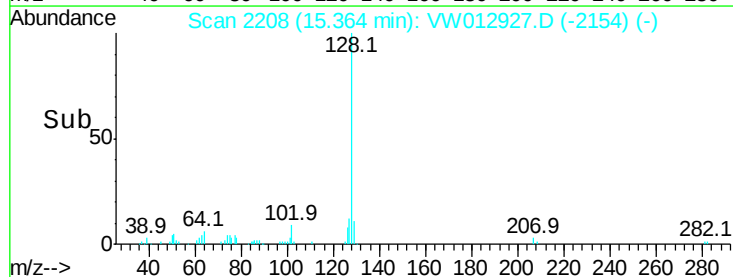
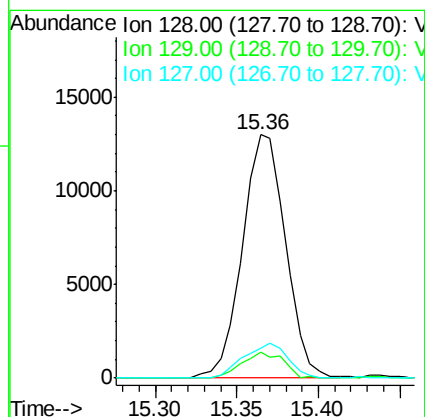
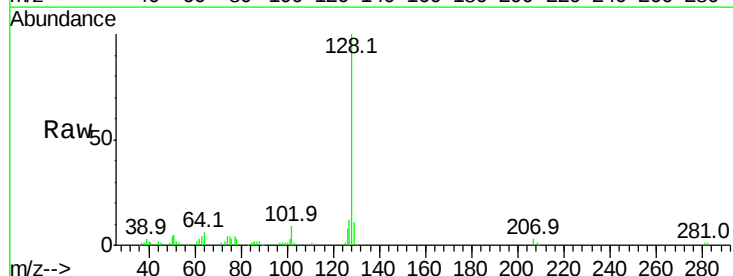
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD2.501

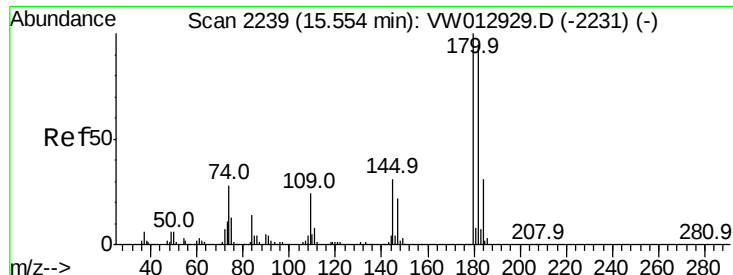
Tgt Ion	Ratio	Resp	Lower	Upper
180	100	16731		
182	95.1	73.8	110.8	
145	28.5	22.9	34.3	



#69
 Naphthalene
 Concen: 1.549 ug/L
 RT: 15.36 min Scan# 2208
 Delta R.T. -0.00 min
 Lab File: VW012927.D
 Acq: 12 Sep 2019 10:56

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	23919		
129	10.1	8.7	13.1	
127	14.8	10.4	15.6	

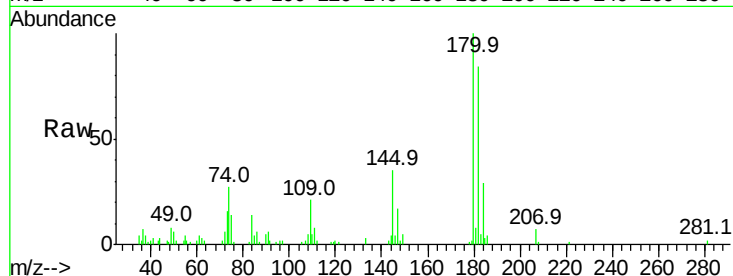




#70
 1,2,3-Trichlorobenzene
 Concen: 2.161 ug/L
 RT: 15.55 min Scan# 2239
 Delta R.T. -0.00 min
 Lab File: VW012927.D
 Acq: 12 Sep 2019 10:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.501

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.4	75.4	113.2
145	32.4	24.4	36.6



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

