

Data File : VW009170.D
Acq On : 14 Mar 2019 15:06
Operator : SY/VA
Sample : VSTD02563
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

Quant Time: Mar 14 15:36:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 14 13:22:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	493822	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	464097	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	236468	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	155159	20.20	ug/L	0.01
7) Chloroethane-d5	2.89	69	162266	23.53	ug/L	0.01
10) 1,1-Dichloroethene-d2	4.02	63	324916	25.43	ug/L	0.00
20) 2-Butanone-d5	7.07	46	126266	55.12	ug/L	-0.01
24) Chloroform-d	7.64	84	344572	28.86	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	204329	28.99	ug/L	0.00
29) Benzene-d6	8.27	84	658765	29.57	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	199687	30.60	ug/L	0.00
37) Toluene-d8	10.32	98	614144	27.53	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	101363	30.99	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	101015	56.81	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	196447	29.98	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	236483	28.06	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	162596	17.140 ug/L	97
3) Chloromethane	2.22	50	167045	17.036 ug/L	100
5) Vinyl chloride	2.37	62	186185	18.520 ug/L	98
6) Bromomethane	2.78	94	140063	21.012 ug/L	98
8) Chloroethane	2.93	64	138341	20.552 ug/L	95
9) Trichlorofluoromethane	3.26	101	132537	11.025 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	155235	21.864 ug/L	99
12) 1,1-Dichloroethene	4.03	96	149213	24.224 ug/L	81
13) Acetone	4.12	43	94988	43.707 ug/L	98
14) Carbon disulfide	4.38	76	430449	20.223 ug/L	99
15) Methyl Acetate	4.67	43	94570	21.817 ug/L	92
16) Methylene chloride	4.92	84	156167	19.557 ug/L	85
17) Methyl tert-butyl Ether	5.42	73	215061	12.415 ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	157825	23.273 ug/L	93
19) 1,1-Dichloroethane	6.21	63	285244	24.773 ug/L	98
21) 2-Butanone	7.17	43	135137	44.438 ug/L	95
22) cis-1,2-Dichloroethene	7.16	96	171228	23.542 ug/L	93
23) Bromochloromethane	7.51	128	79661	23.936 ug/L #	85
25) Chloroform	7.67	83	297723	24.562 ug/L	100
27) 1,2-Dichloroethane	8.40	62	220150	24.974 ug/L #	93
30) Cyclohexane	7.95	56	270816	24.792 ug/L	94
31) 1,1,1-Trichloroethane	7.87	97	228857	21.360 ug/L	95
32) Carbon tetrachloride	8.06	117	232152	23.709 ug/L	97
34) Benzene	8.32	78	637517	25.321 ug/L	100
35) Trichloroethene	9.09	95	166826	24.549 ug/L	98
36) Methylcyclohexane	9.34	83	296352	24.577 ug/L	95
40) 1,2-Dichloropropane	9.37	63	161154	25.911 ug/L	99
41) Bromodichloromethane	9.64	83	223838	26.469 ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	264335	26.202 ug/L	96
43) 4-Methyl-2-pentanone	10.21	43	292296	52.041 ug/L	94

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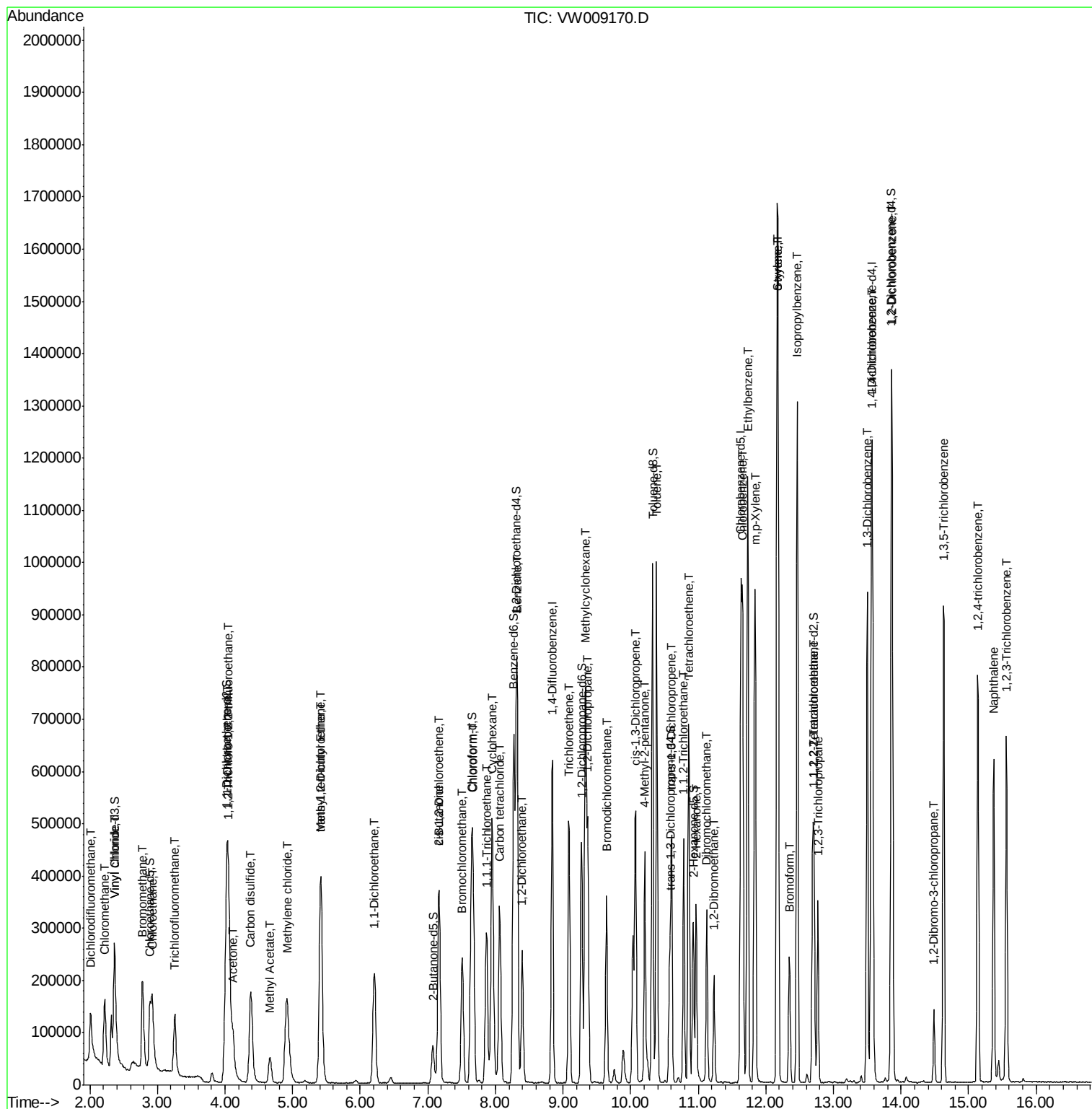
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	693545	23.961	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	231511	25.699	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	127972	24.610	ug/L	97
47) Tetrachloroethene	10.86	164	140031	22.635	ug/L	95
49) 2-Hexanone	10.97	43	220309	50.006	ug/L #	89
50) Dibromochloromethane	11.13	129	159188	25.252	ug/L	98
51) 1,2-Dibromoethane	11.23	107	128774	24.482	ug/L	93
52) Chlorobenzene	11.66	112	443831	22.783	ug/L	97
53) Ethylbenzene	11.73	91	785401	23.353	ug/L	99
54) m,p-Xylene	11.84	106	299745	22.666	ug/L	91
55) o-xylene	12.16	106	289147	22.728	ug/L	98
56) Styrene	12.18	104	499907	23.429	ug/L	92
57) Isopropylbenzene	12.46	105	786263	23.167	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	171797	24.626	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	125891	24.407	ug/L	99
62) Bromoform	12.35	173	99855	27.275	ug/L #	98
63) 1,3-Dichlorobenzene	13.50	146	357607	23.170	ug/L	95
64) 1,4-Dichlorobenzene	13.58	146	362649	23.129	ug/L	94
65) 1,2-Dichlorobenzene	13.87	146	338051	23.647	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	31576	24.876	ug/L	97
67) 1,3,5-Trichlorobenzene	14.63	180	273550	22.511	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	234299	22.385	ug/L	96
69) Naphthalene	15.37	128	498118	23.116	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	215094	22.363	ug/L	97

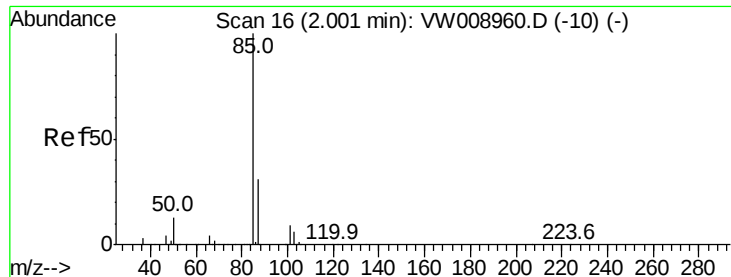
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#2

Dichlorodifluoromethane

Concen: 17.140 ug/L

RT: 2.01 min Scan# 17

Delta R.T. 0.01 min

Lab File: VW009170.D

Acq: 14 Mar 2019 15:06

Instrument :

MSVOA_W

ClientSampleId :

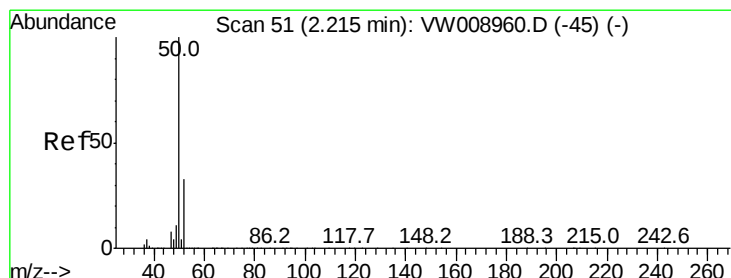
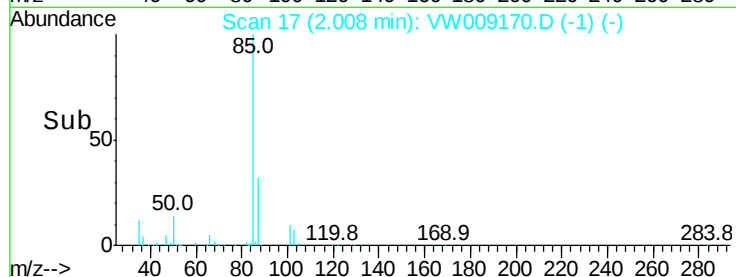
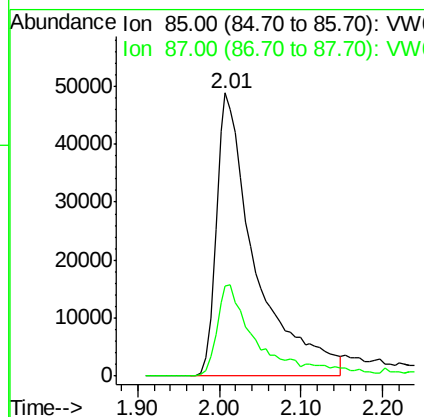
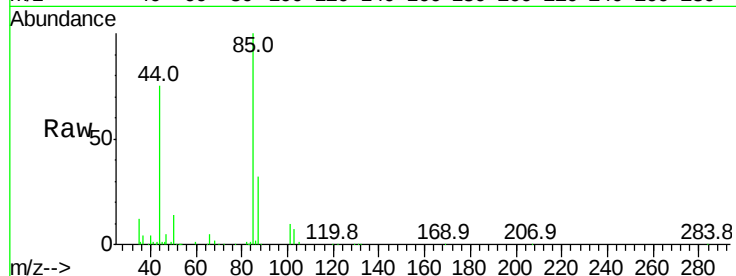
VSTD02503

Tgt Ion: 85 Resp: 162596

Ion Ratio Lower Upper

85 100

87 27.9 20.6 38.4



#3

Chloromethane

Concen: 17.036 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW009170.D

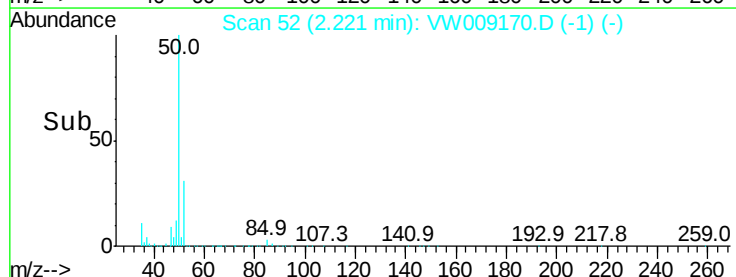
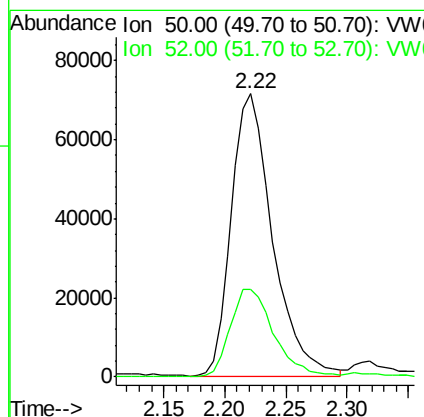
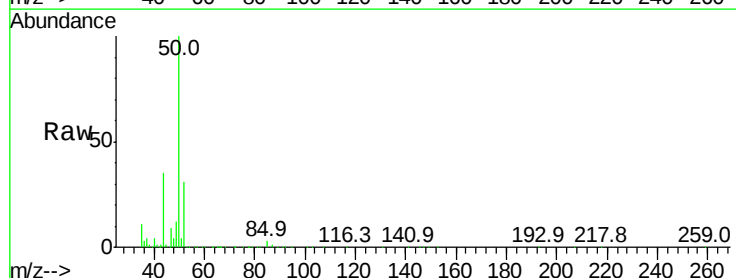
Acq: 14 Mar 2019 15:06

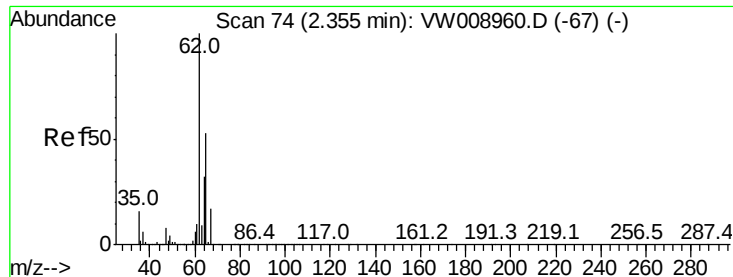
Tgt Ion: 50 Resp: 167045

Ion Ratio Lower Upper

50 100

52 30.9 21.4 39.8





#5

Vinyl chloride

Concen: 18.520 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.01 min

Lab File: VW009170.D

Acq: 14 Mar 2019 15:06

Instrument :

MSVOA_W

ClientSampleId :

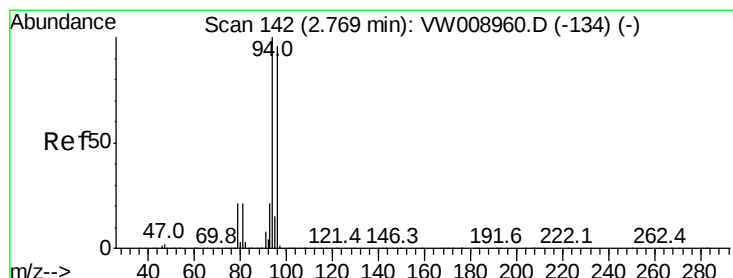
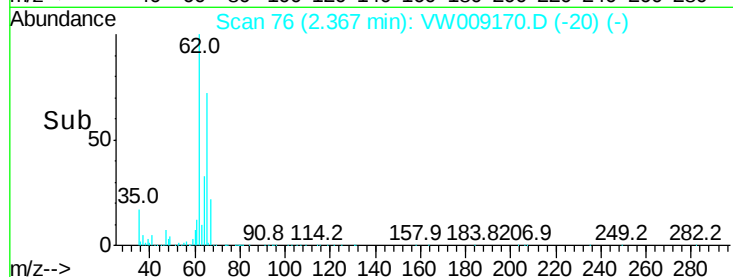
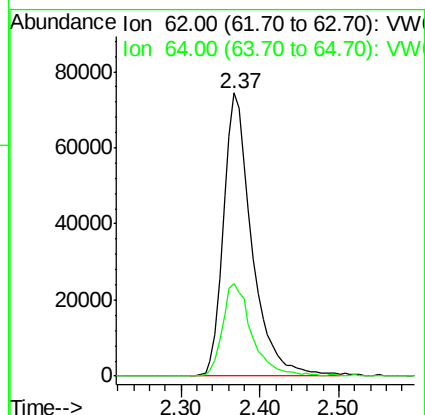
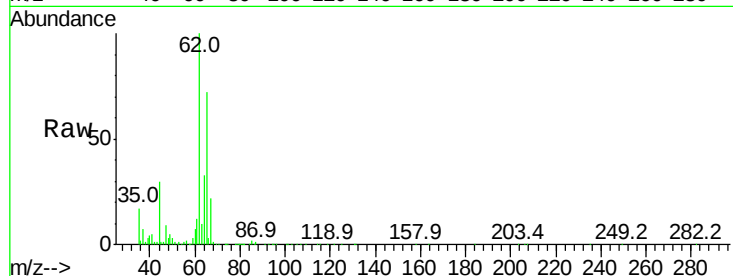
VSTD02503

Tgt Ion: 62 Resp: 186185

Ion Ratio Lower Upper

62 100

64 32.8 22.0 41.0



#6

Bromomethane

Concen: 21.012 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW009170.D

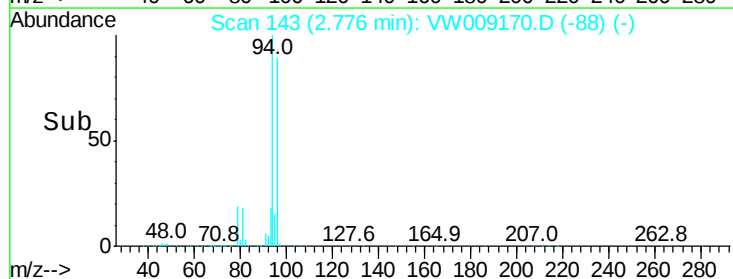
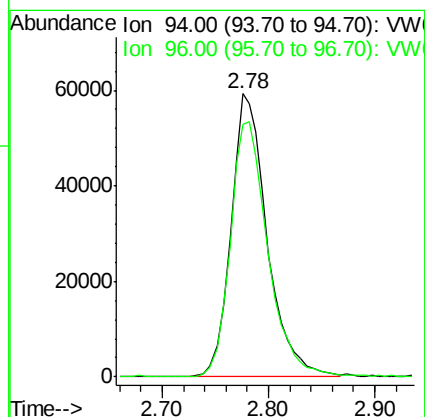
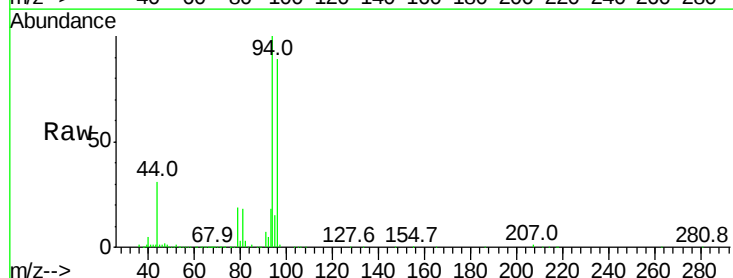
Acq: 14 Mar 2019 15:06

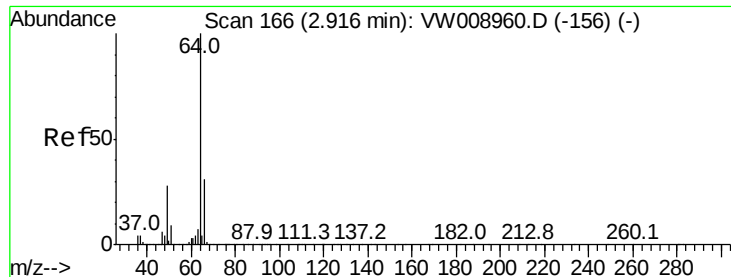
Tgt Ion: 94 Resp: 140063

Ion Ratio Lower Upper

94 100

96 93.9 9.2 175.4





#8

Chloroethane

Concen: 20.552 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW009170.D

Acq: 14 Mar 2019 15:06

Instrument :

MSVOA_W

ClientSampleId :

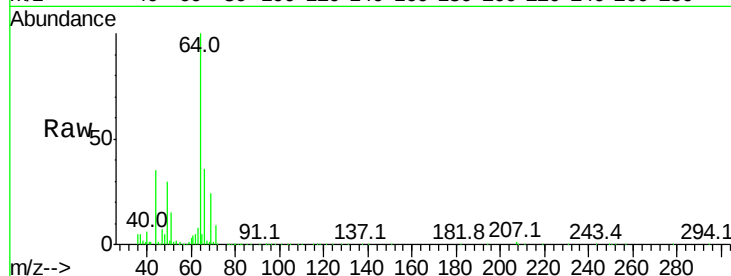
VSTD02503

Tgt Ion: 64 Resp: 138341

Ion Ratio Lower Upper

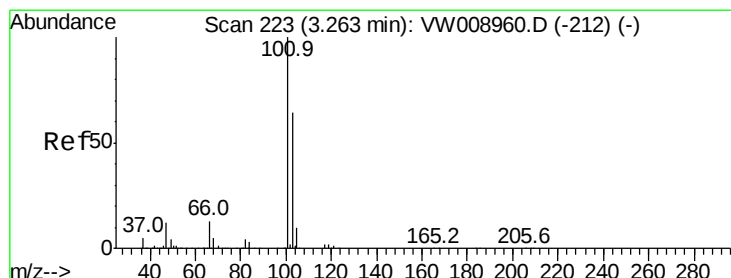
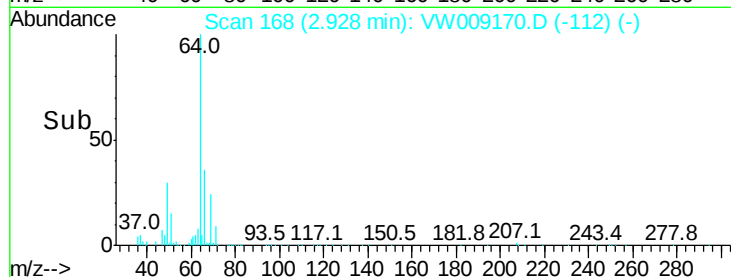
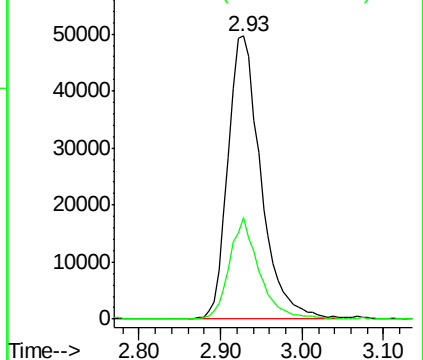
64 100

66 35.9 23.3 43.3



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 11.025 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW009170.D

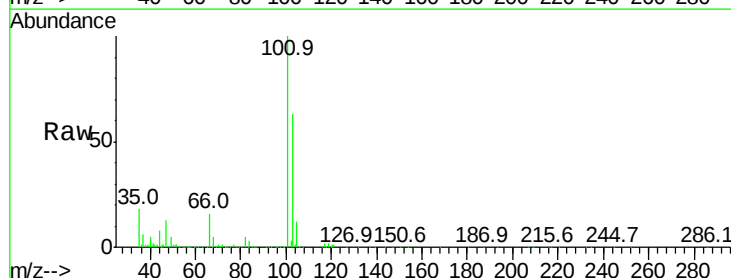
Acq: 14 Mar 2019 15:06

Tgt Ion: 101 Resp: 132537

Ion Ratio Lower Upper

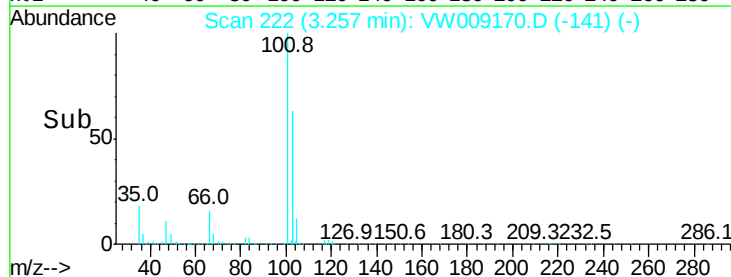
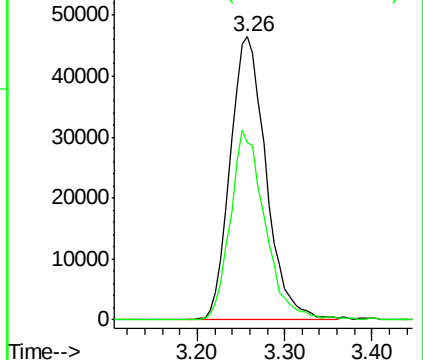
101 100

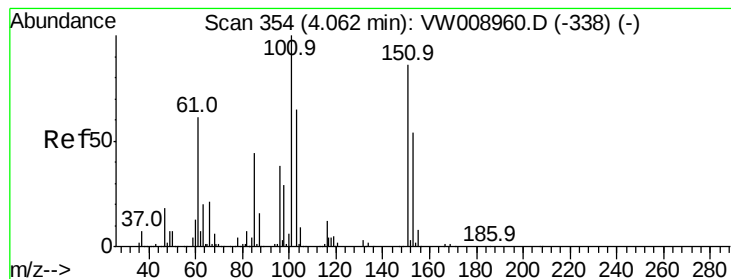
103 64.3 44.7 83.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#11

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

Concen: 21.864 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW009170.D

Acq: 14 Mar 2019 15:06

Instrument :

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ClientSampleId :

VSTD02503

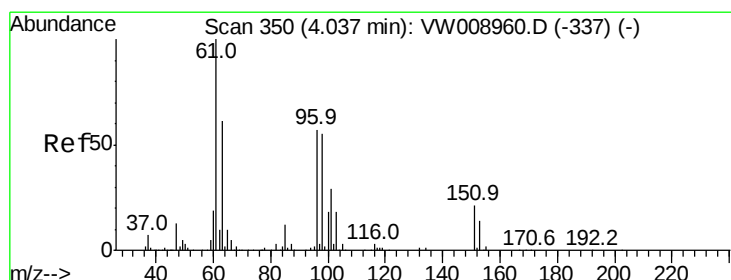
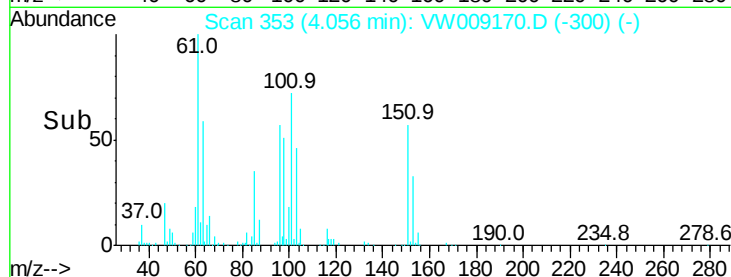
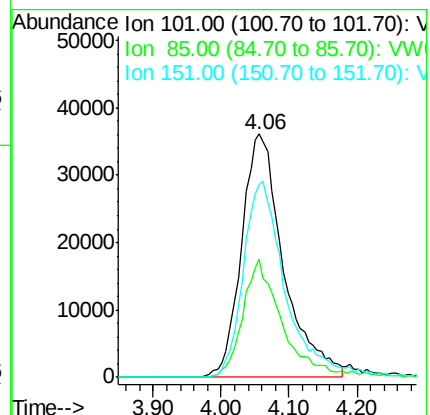
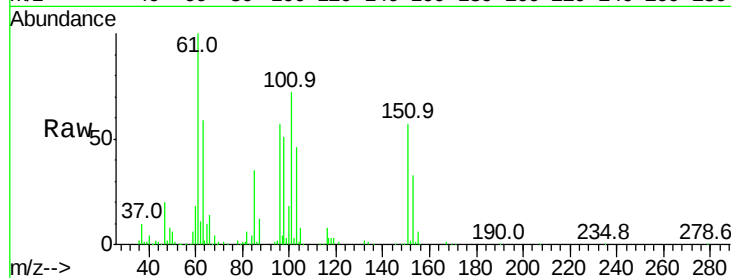
Tgt Ion:101 Resp: 155235

Ion Ratio Lower Upper

101 100

85 40.7 33.4 50.2

151 79.1 63.2 94.8



#12

1,1-Dichloroethene

Concen: 24.224 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW009170.D

Acq: 14 Mar 2019 15:06

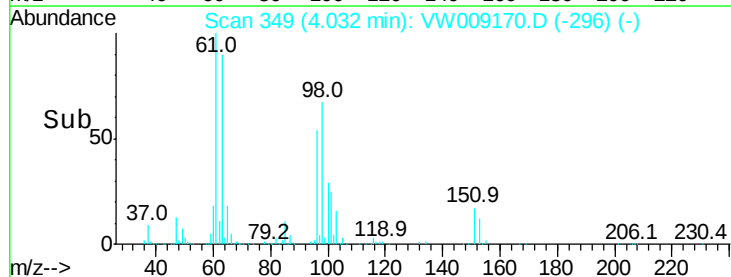
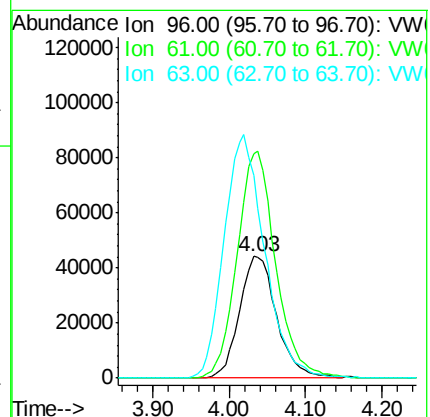
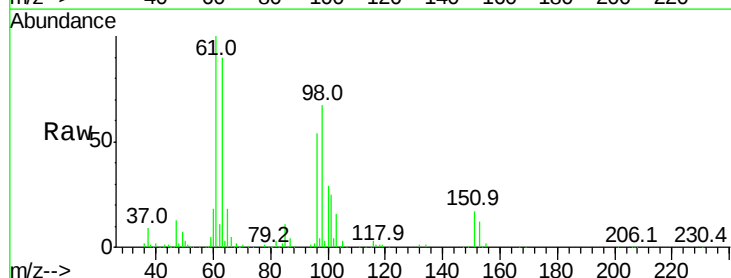
Tgt Ion: 96 Resp: 149213

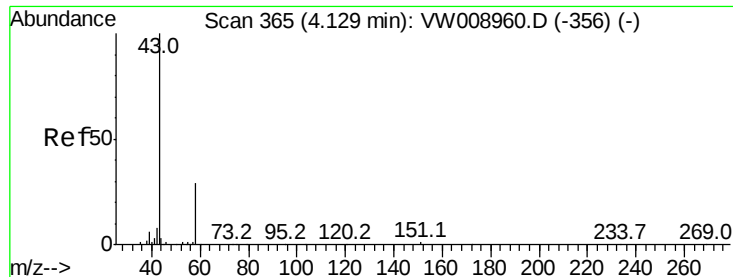
Ion Ratio Lower Upper

96 100

61 184.8 120.3 223.3

63 166.9 91.6 170.0





#13

Acetone

Concen: 43.707 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

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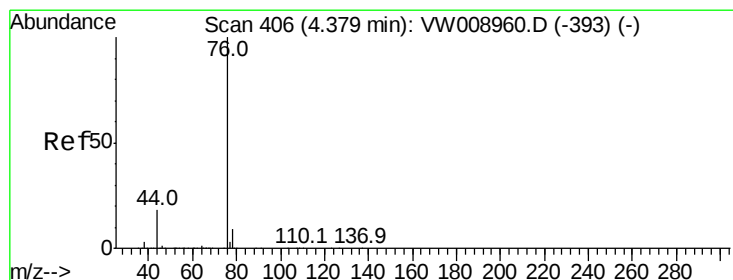
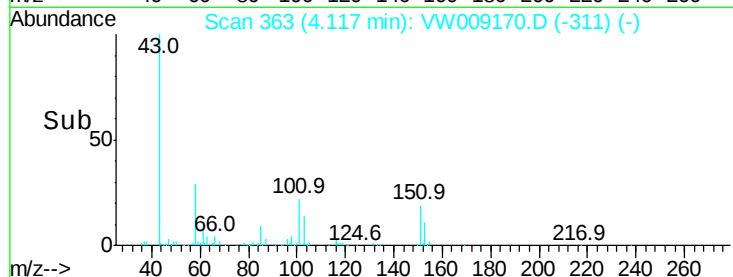
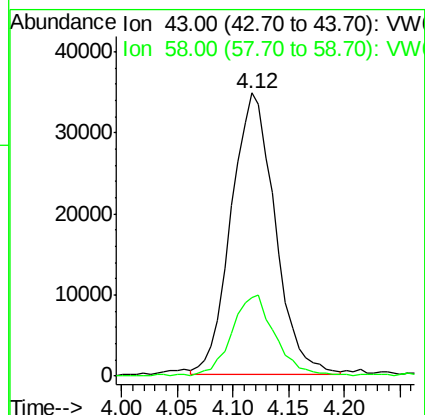
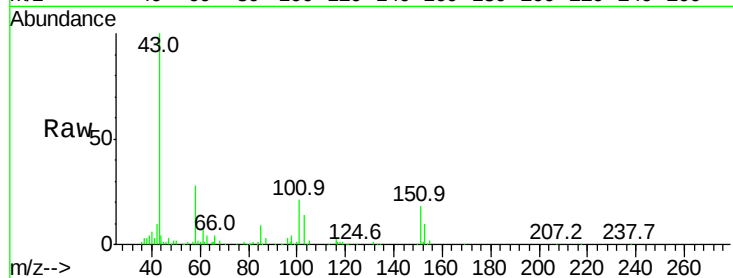
VSTD02503

Tgt Ion: 43 Resp: 94988

Ion Ratio Lower Upper

43 100

58 28.1 0.0 58.6



#14

Carbon disulfide

Concen: 20.223 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW009170.D

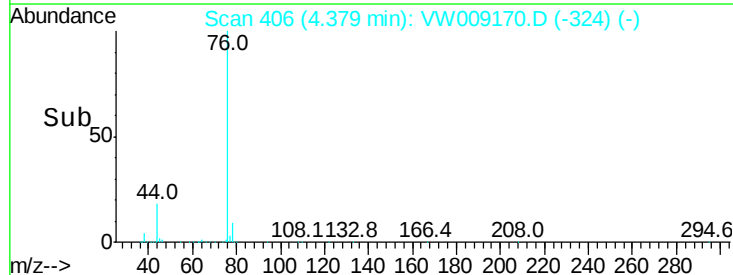
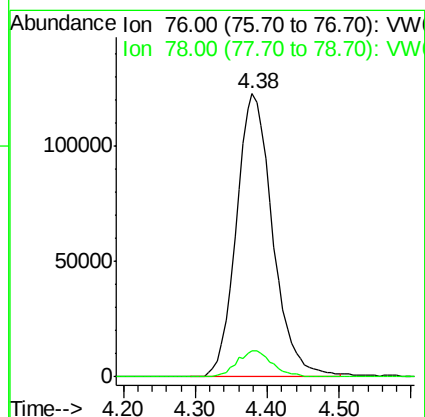
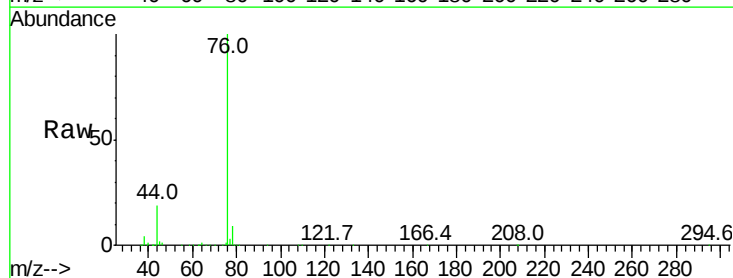
Acq: 14 Mar 2019 15:06

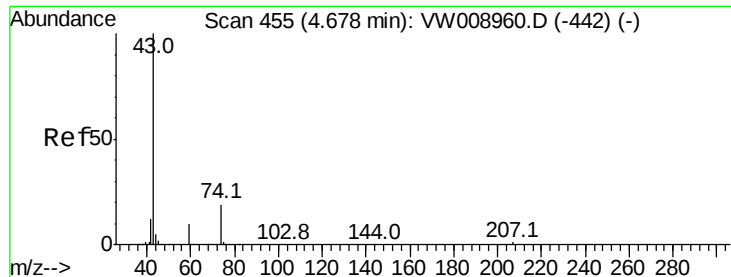
Tgt Ion: 76 Resp: 430449

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3

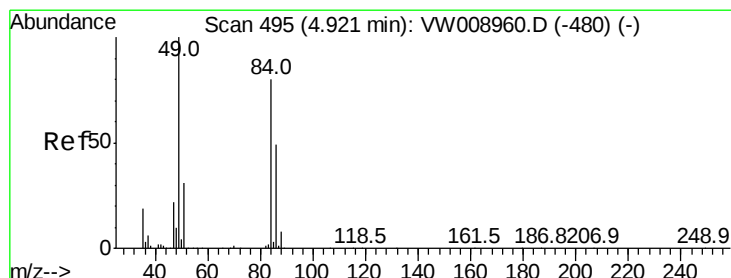
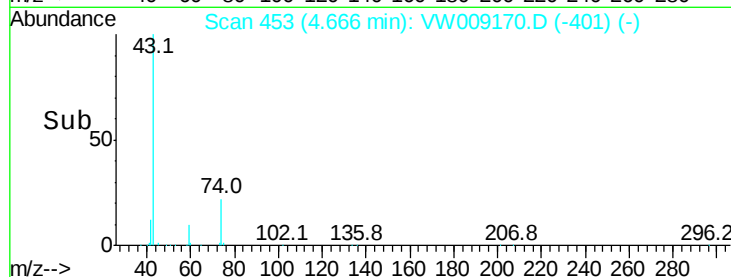
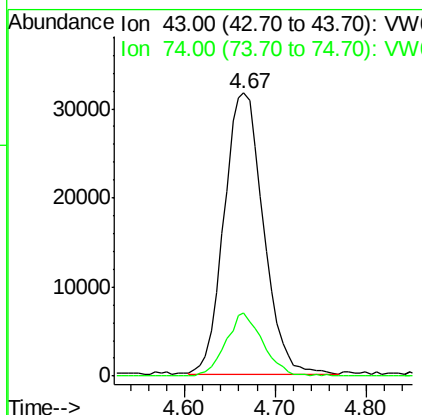
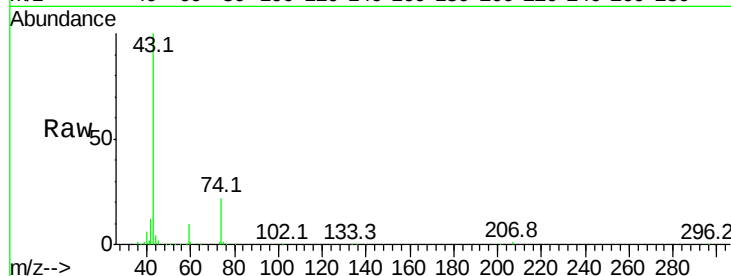




#15
Methyl Acetate
Concen: 21.817 ug/L
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW009170.D
Acq: 14 Mar 2019 15:06

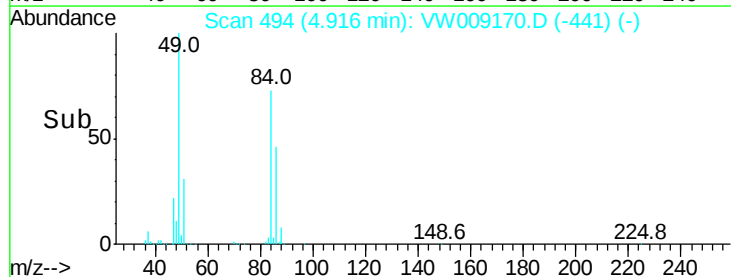
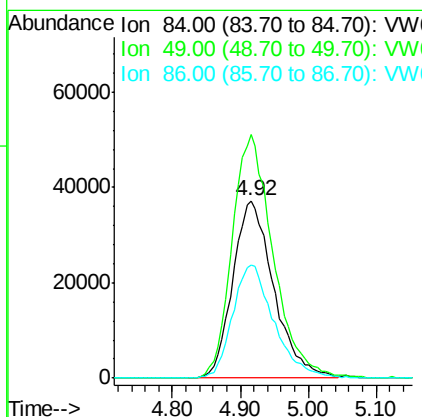
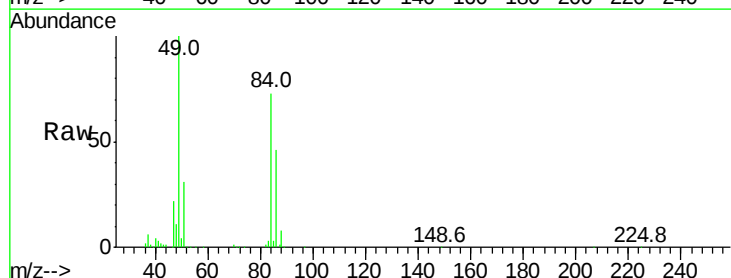
Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

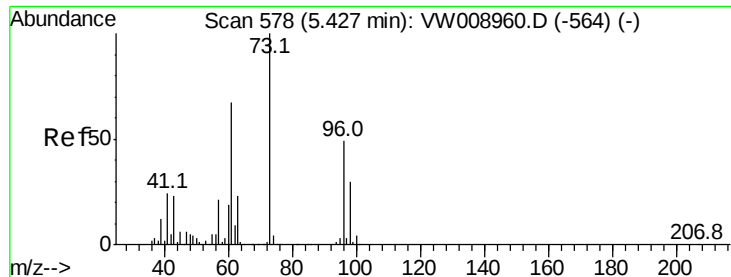
Tgt Ion: 43 Resp: 94570
Ion Ratio Lower Upper
43 100
74 20.9 20.2 30.2



#16
Methylene chloride
Concen: 19.557 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW009170.D
Acq: 14 Mar 2019 15:06

Tgt Ion: 84 Resp: 156167
Ion Ratio Lower Upper
84 100
49 137.1 79.2 147.0
86 63.5 43.2 80.2

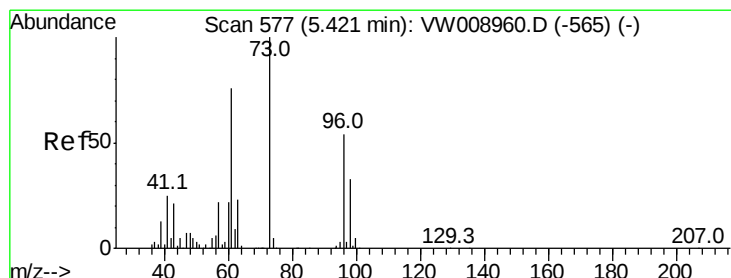
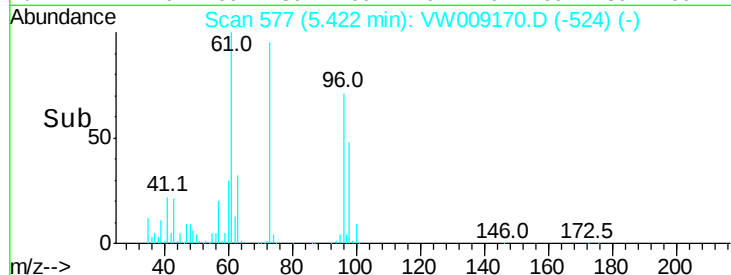
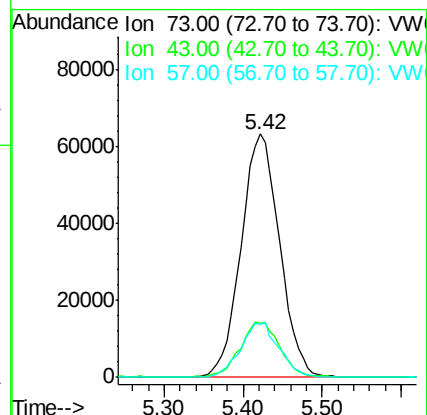
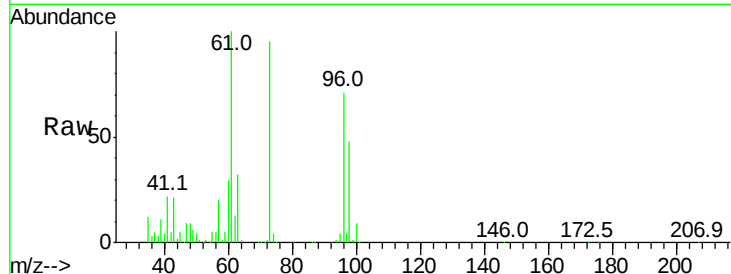




#17
Methyl tert-butyl Ether
Concen: 12.415 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW009170.D
Acq: 14 Mar 2019 15:06

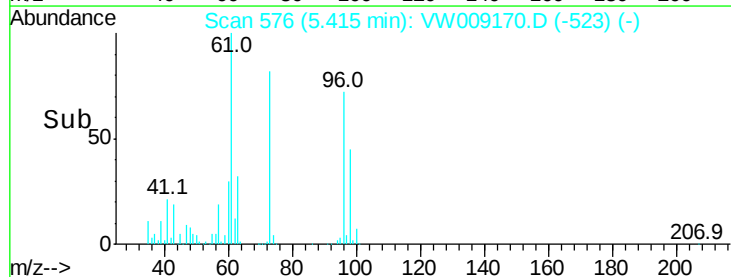
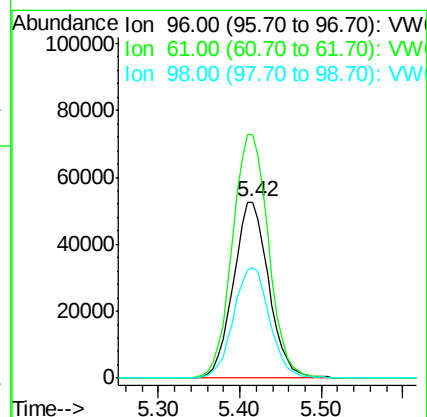
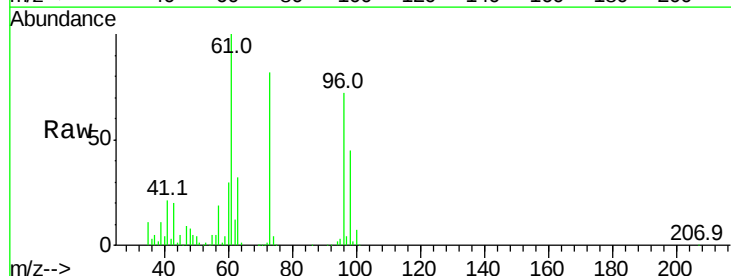
Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

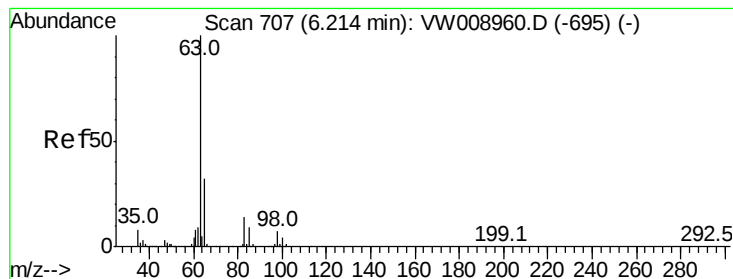
Tgt Ion: 73 Resp: 215061
Ion Ratio Lower Upper
73 100
43 22.8 18.5 27.7
57 22.3 16.4 24.6



#18
trans-1,2-Dichloroethene
Concen: 23.273 ug/L
RT: 5.42 min Scan# 576
Delta R.T. -0.01 min
Lab File: VW009170.D
Acq: 14 Mar 2019 15:06

Tgt Ion: 96 Resp: 157825
Ion Ratio Lower Upper
96 100
61 138.1 91.4 169.8
98 62.6 48.0 89.2





#19

1,1-Dichloroethane

Concen: 24.773 ug/L

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW009170.D

Acq: 14 Mar 2019 15:06

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

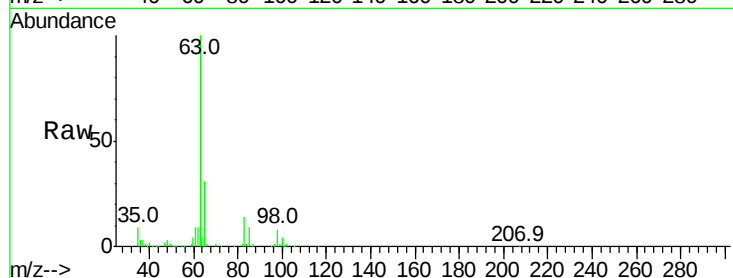
Tgt Ion: 63 Resp: 285244

Ion Ratio Lower Upper

63 100

65 30.8 20.6 38.4

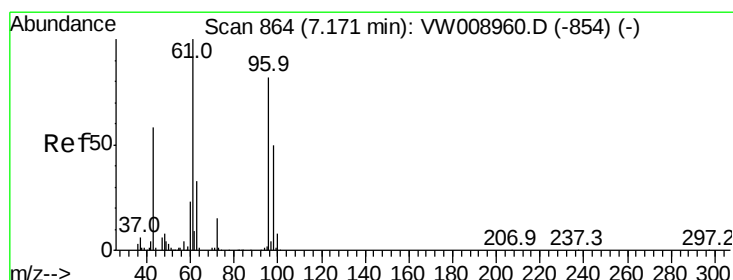
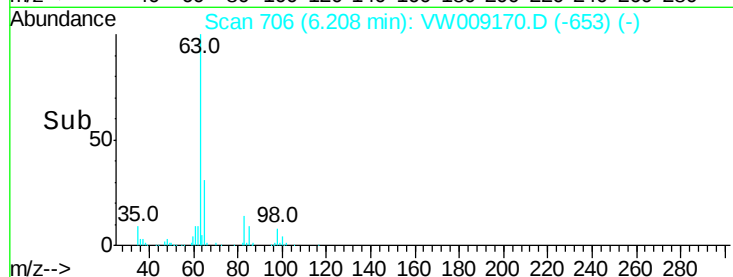
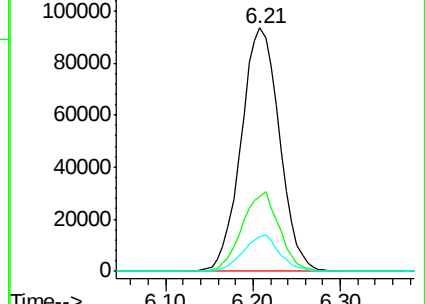
83 14.4 10.0 18.6



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 65.00 (64.70 to 65.70): VW

Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 44.438 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW009170.D

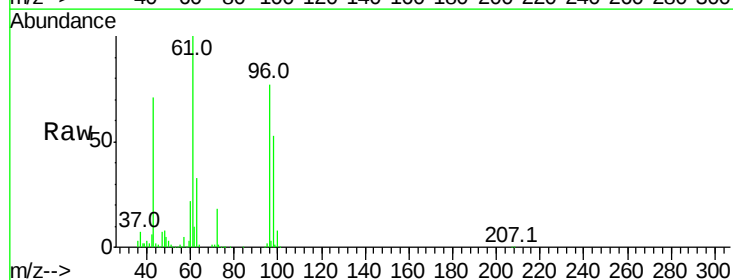
Acq: 14 Mar 2019 15:06

Tgt Ion: 43 Resp: 135137

Ion Ratio Lower Upper

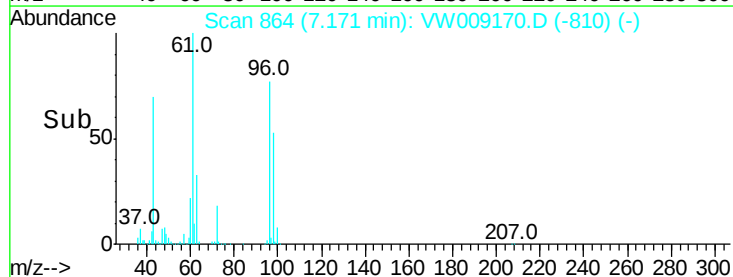
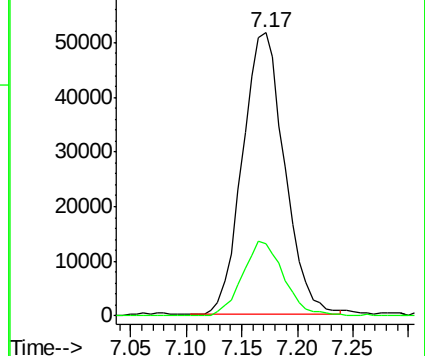
43 100

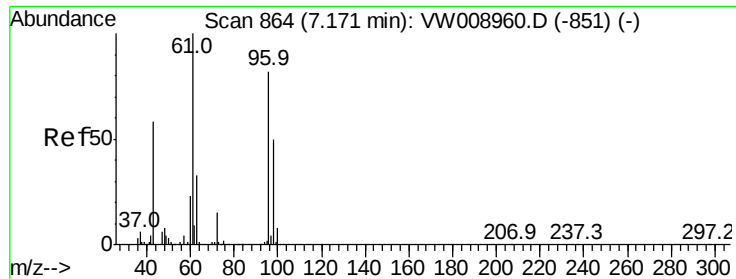
72 26.1 14.4 43.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



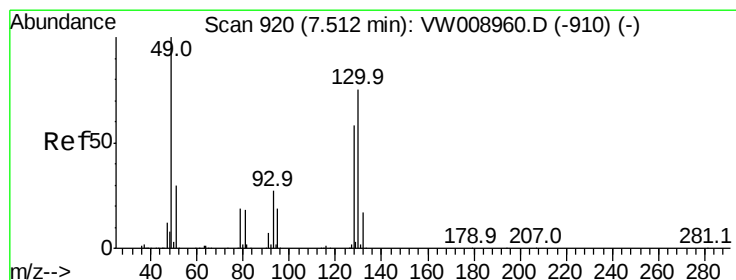
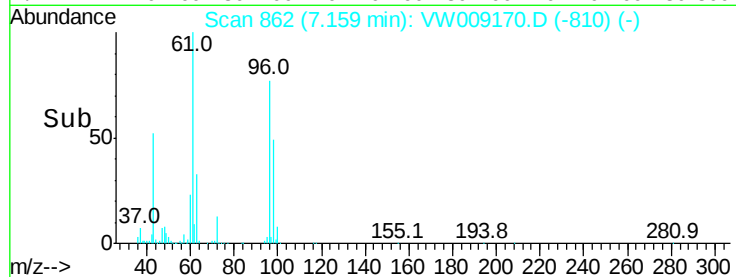
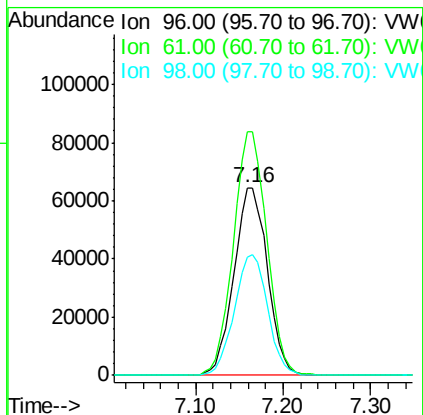
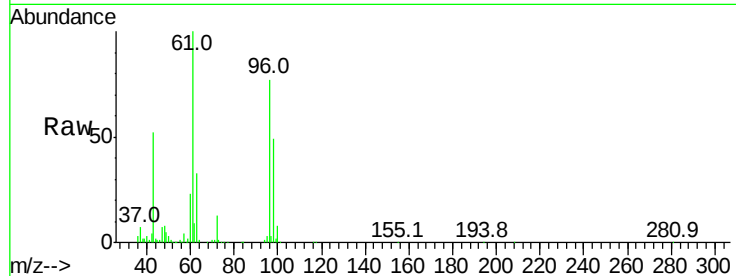


#22

cis-1,2-Dichloroethene
Concen: 23.542 ug/L
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW009170.D
Acq: 14 Mar 2019 15:06

Instrument :
MSVOA_W
ClientSampled :
VSTD02503

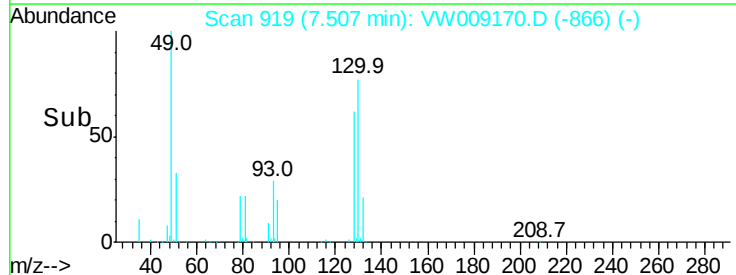
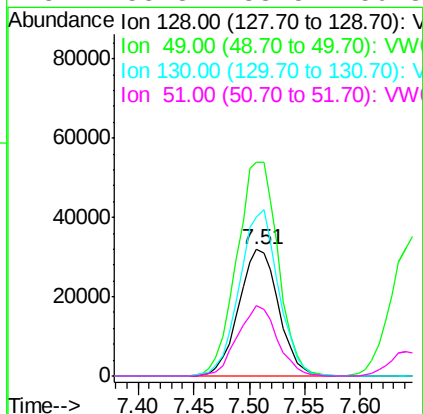
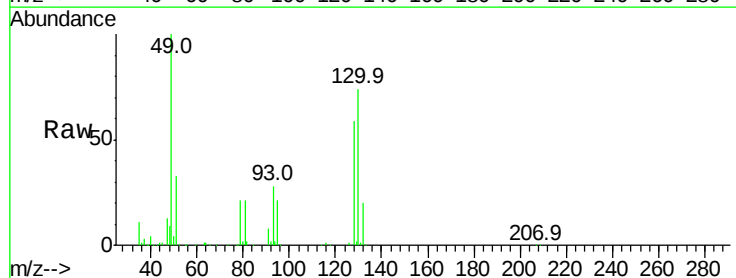
Tgt Ion: 96 Resp: 171228
Ion Ratio Lower Upper
96 100
61 129.5 83.4 155.0
98 62.9 42.3 78.5

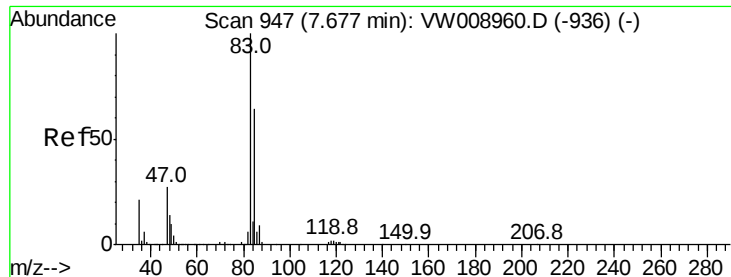


#23

Bromochloromethane
Concen: 23.936 ug/L
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW009170.D
Acq: 14 Mar 2019 15:06

Tgt Ion: 128 Resp: 79661
Ion Ratio Lower Upper
128 100
49 169.1 96.9 180.1
130 125.5 86.2 160.0
51 55.8 33.5 50.3#





#25

Chloroform

Concen: 24.562 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW009170.D

Acq: 14 Mar 2019 15:06

Instrument :

MSVOA_W

ClientSampleId :

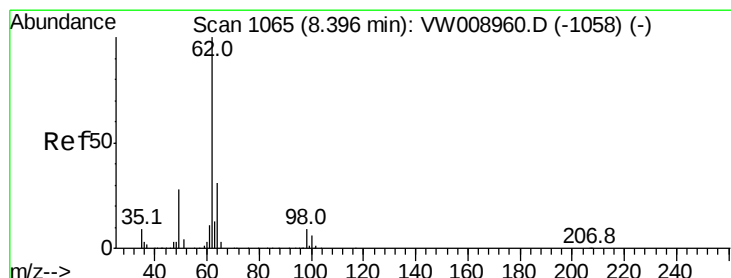
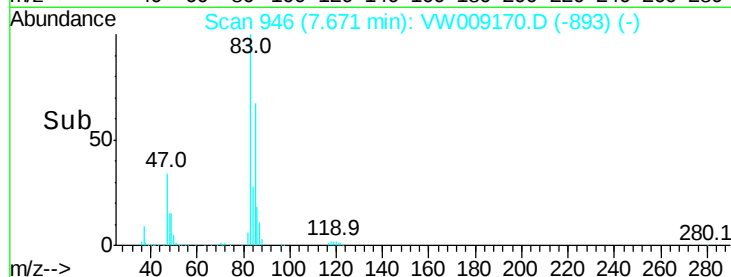
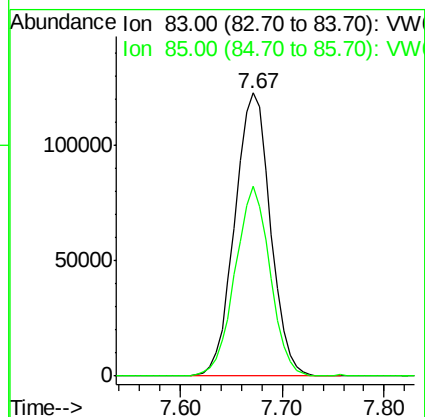
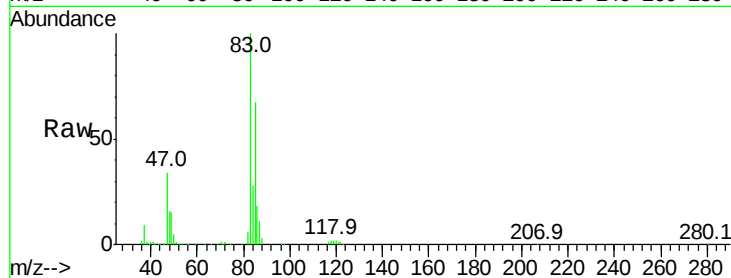
VSTD02503

Tgt Ion: 83 Resp: 297723

Ion Ratio Lower Upper

83 100

85 65.7 45.8 85.2



#27

1,2-Dichloroethane

Concen: 24.974 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW009170.D

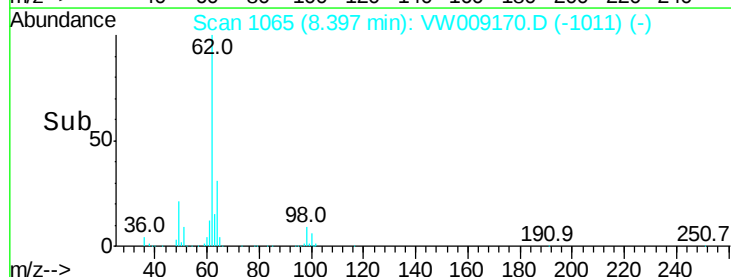
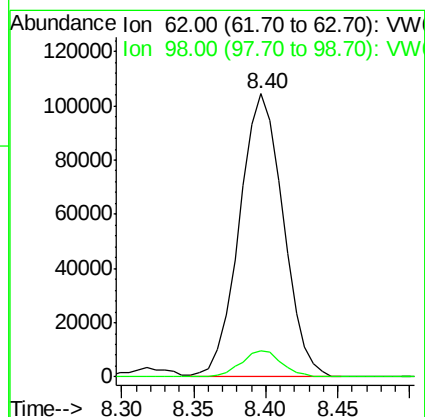
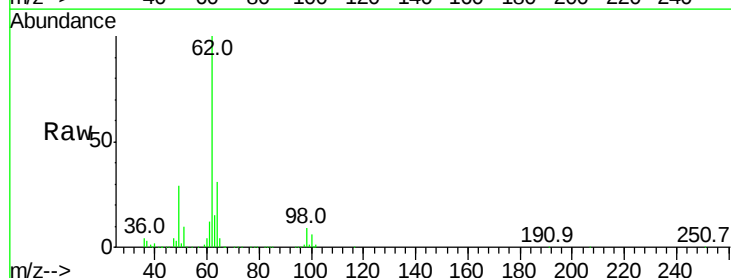
Acq: 14 Mar 2019 15:06

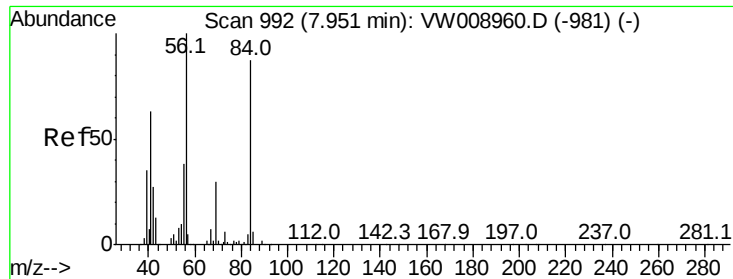
Tgt Ion: 62 Resp: 220150

Ion Ratio Lower Upper

62 100

98 9.1 5.4 8.2#

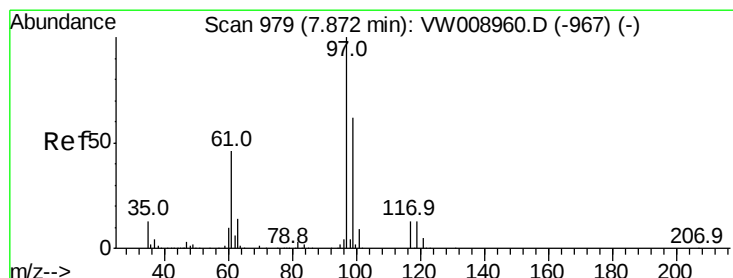
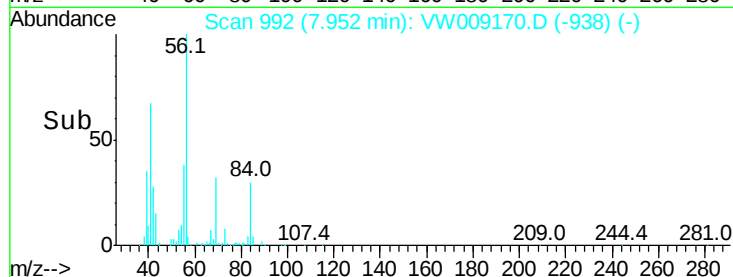
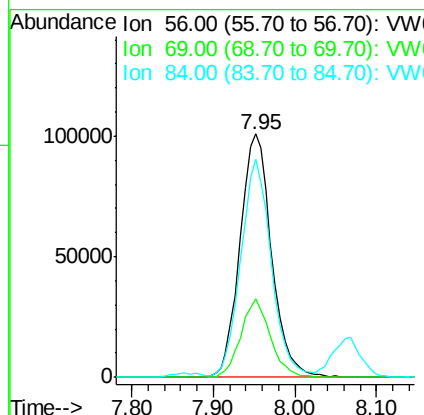
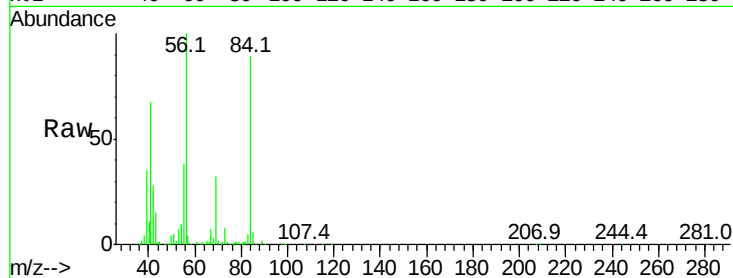




#30
Cyclohexane
Concen: 24.792 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW009170.D
Acq: 14 Mar 2019 15:06

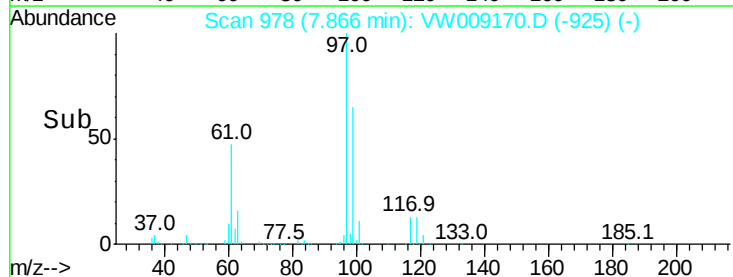
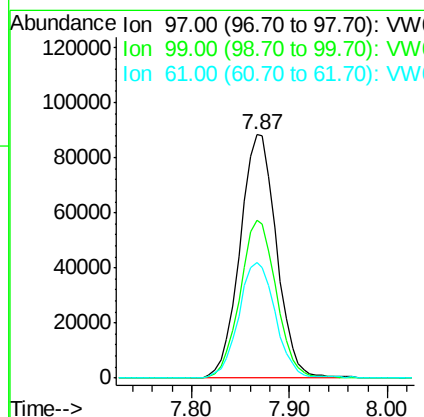
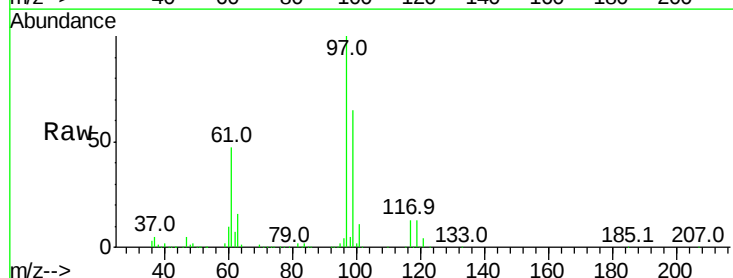
Instrument :
MSVOA_W
ClientSampled :
VSTD02503

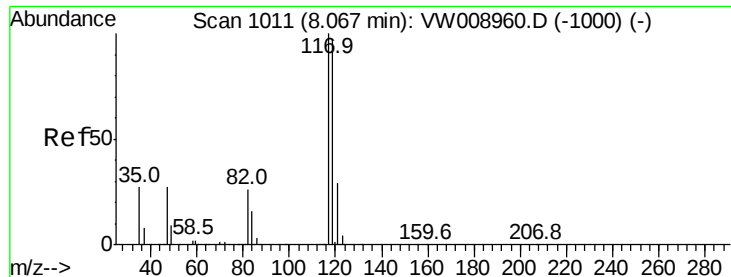
Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.0	26.2	39.4
84	86.5	74.3	111.5



#31
1,1,1-Trichloroethane
Concen: 21.360 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW009170.D
Acq: 14 Mar 2019 15:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	52.3	78.5
61	48.0	33.5	50.3





#32

Carbon tetrachloride

Concen: 23.709 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW009170.D

Acq: 14 Mar 2019 15:06

Instrument :

MSVOA_W

ClientSampleId :

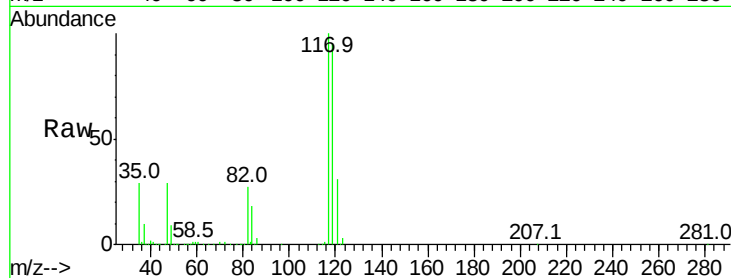
VSTD02503

Tgt Ion:117 Resp: 232152

Ion Ratio Lower Upper

117 100

119 97.5 76.0 114.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.06

100000

80000

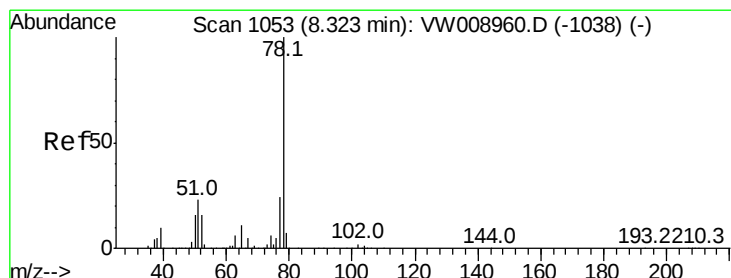
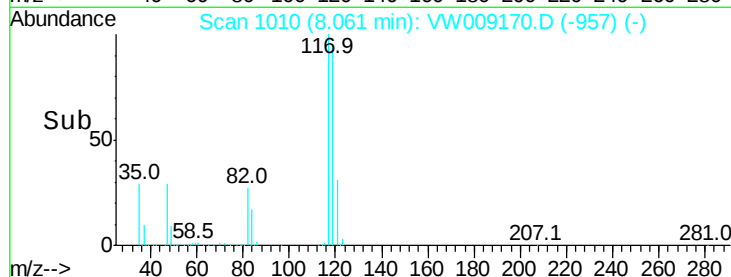
60000

40000

20000

0

Time-->



#34

Benzene

Concen: 25.321 ug/L

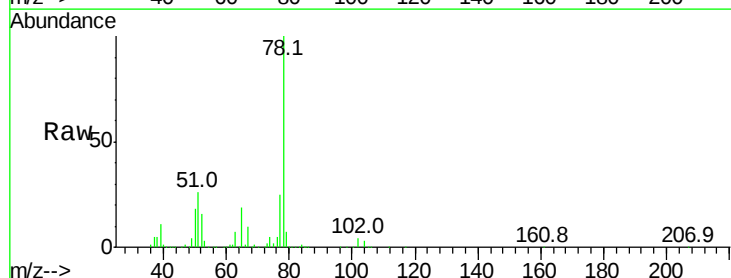
RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VW009170.D

Acq: 14 Mar 2019 15:06

Tgt Ion: 78 Resp: 637517



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

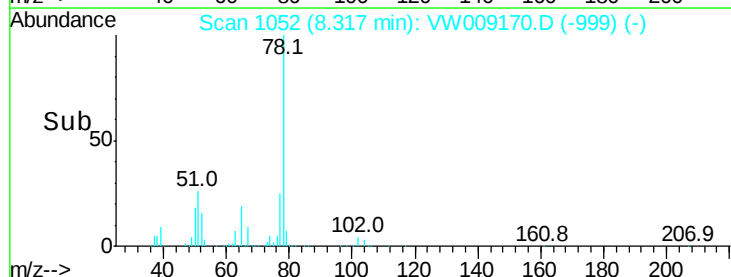
300000

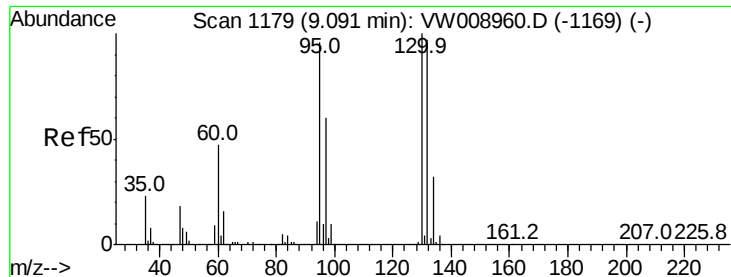
200000

100000

0

Time-->

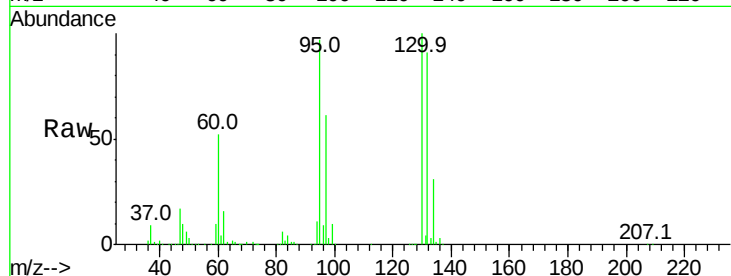




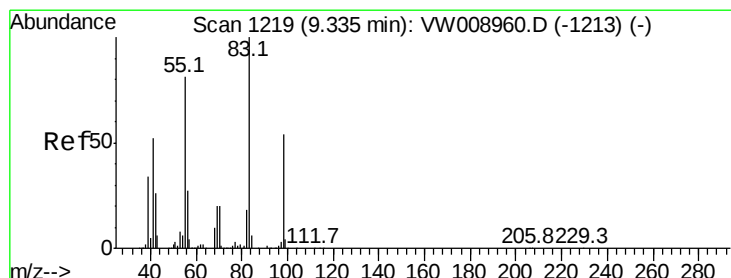
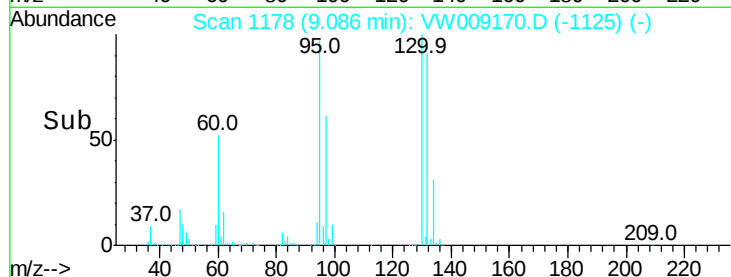
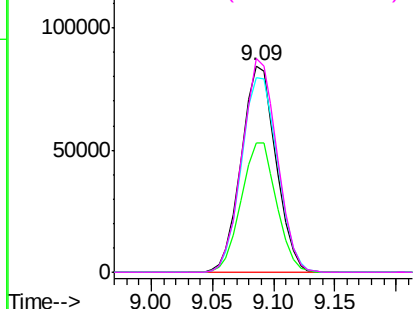
#35
 Trichloroethene
 Concen: 24.549 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: VW009170.D
 Acq: 14 Mar 2019 15:06

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

Tgt Ion: 95 Resp: 166826
 Ion Ratio Lower Upper
 95 100
 97 63.8 44.4 82.5
 132 98.6 67.8 126.0
 130 103.8 70.3 130.7

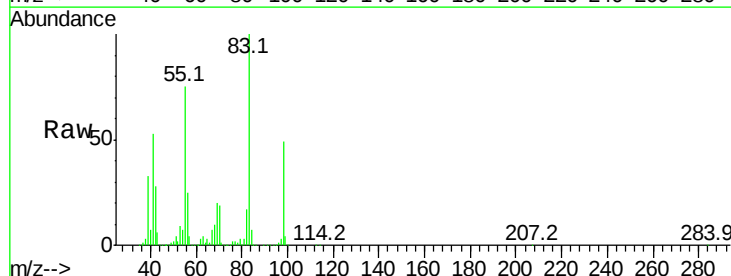


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

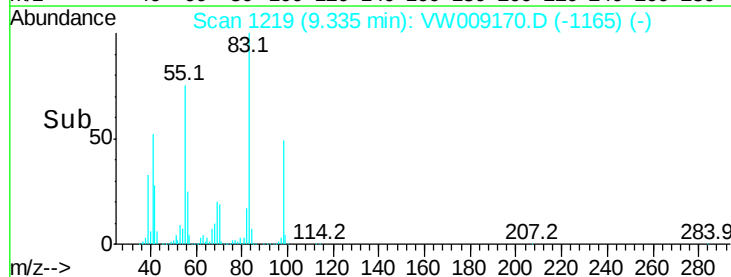
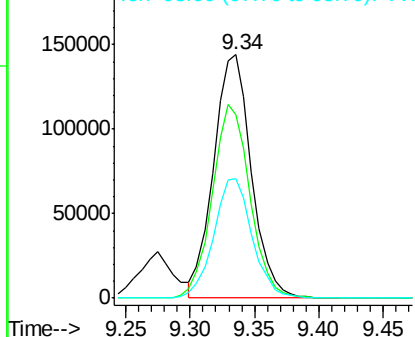


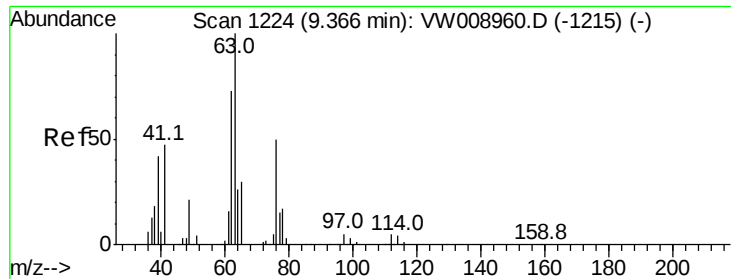
#36
 Methylcyclohexane
 Concen: 24.577 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW009170.D
 Acq: 14 Mar 2019 15:06

Tgt Ion: 83 Resp: 296352
 Ion Ratio Lower Upper
 83 100
 55 79.4 59.4 89.0
 98 49.8 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: 25.911 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW009170.D

Acq: 14 Mar 2019 15:06

Instrument :

MSVOA_W

ClientSampleId :

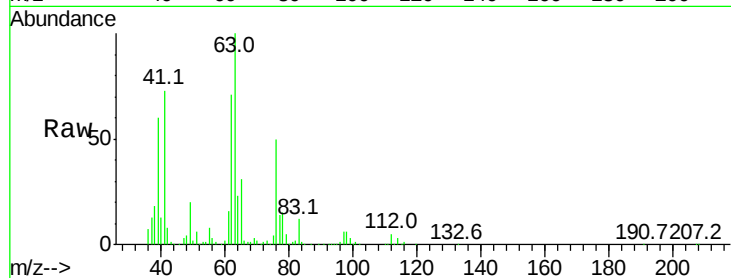
VSTD02503

Tgt Ion: 63 Resp: 161154

Ion Ratio Lower Upper

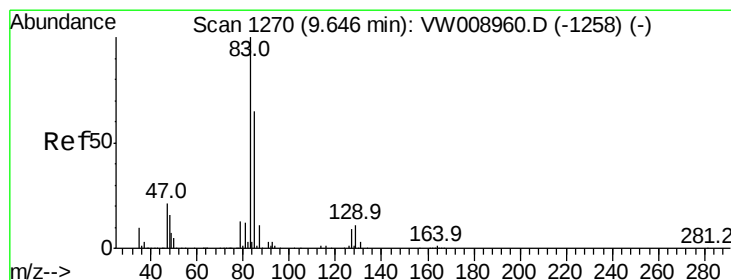
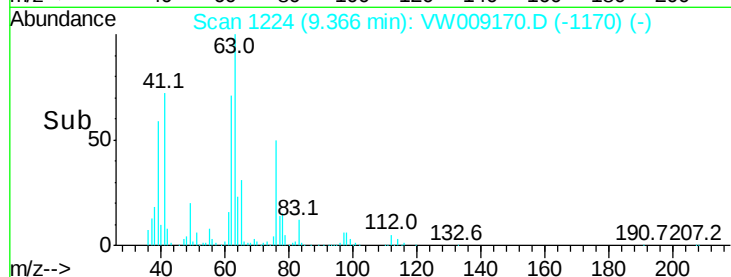
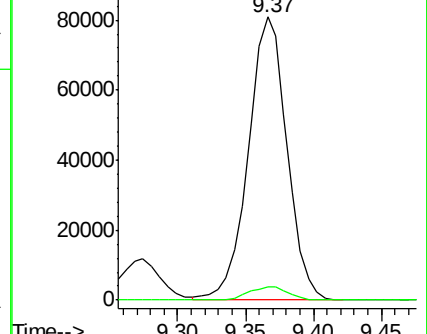
63 100

112 5.0 3.7 5.5



Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 112.00 (111.70 to 112.70): V



#41

Bromodichloromethane

Concen: 26.469 ug/L

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW009170.D

Acq: 14 Mar 2019 15:06

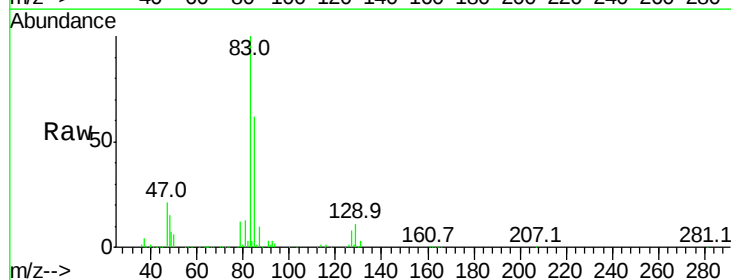
Tgt Ion: 83 Resp: 223838

Ion Ratio Lower Upper

83 100

85 62.1 44.4 82.5

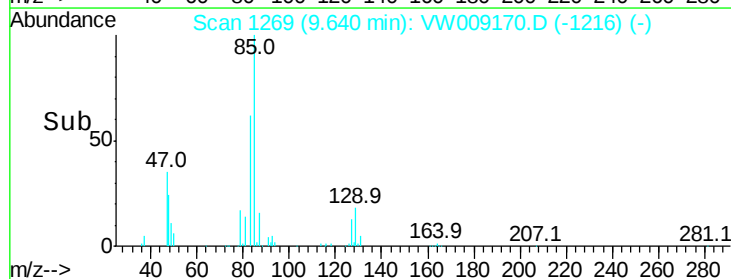
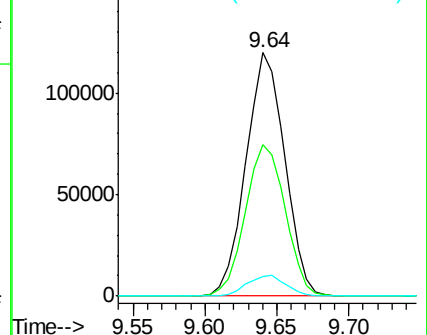
127 7.8 7.0 10.6

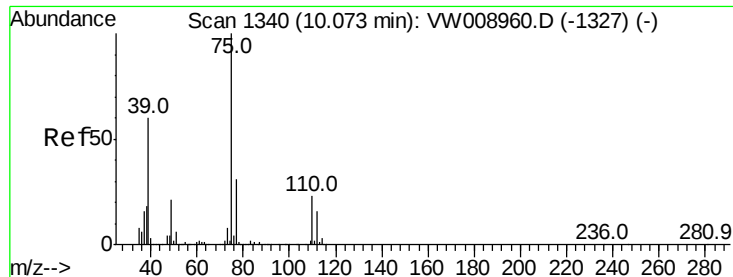


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): V





#42

cis-1,3-Dichloropropene

Concen: 26.202 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009170.D

Acq: 14 Mar 2019 15:06

Instrument :

MSVOA_W

ClientSampleId :

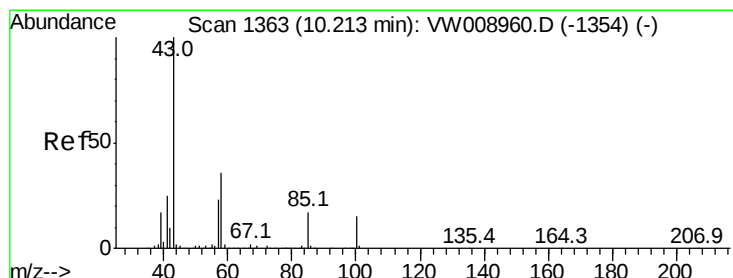
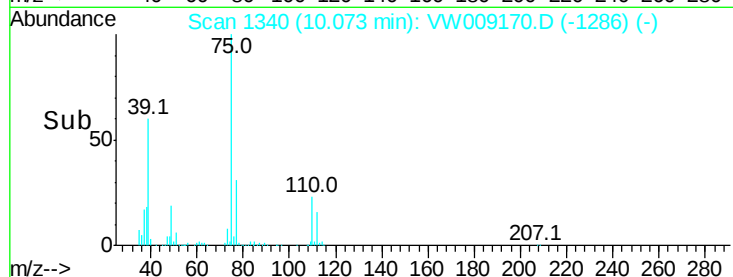
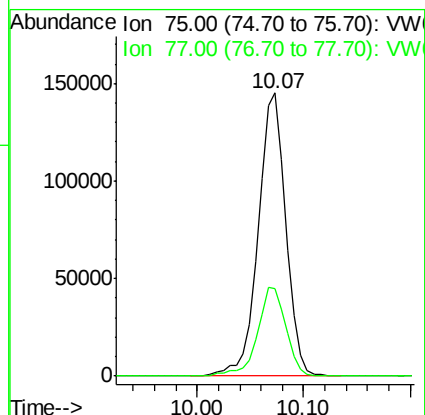
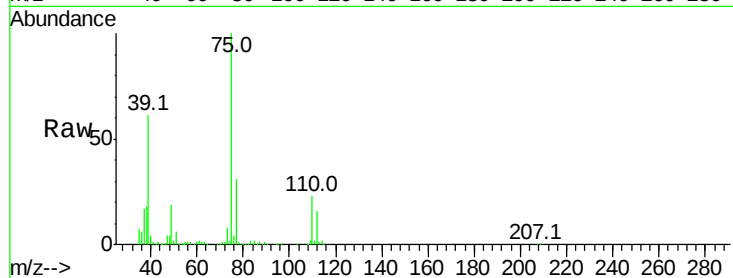
VSTD02503

Tgt Ion: 75 Resp: 264335

Ion Ratio Lower Upper

75 100

77 30.9 23.0 42.8



#43

4-Methyl-2-pentanone

Concen: 52.041 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW009170.D

Acq: 14 Mar 2019 15:06

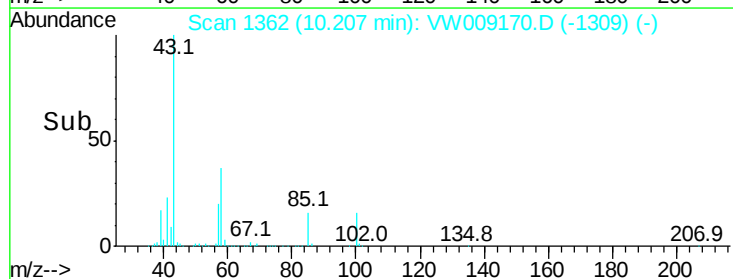
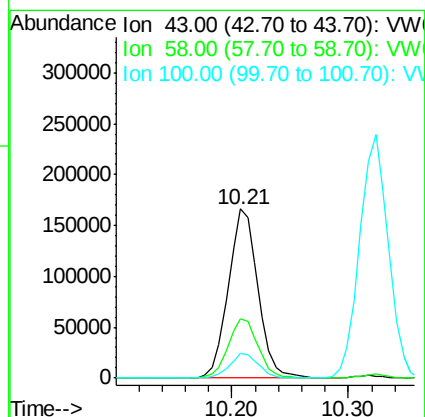
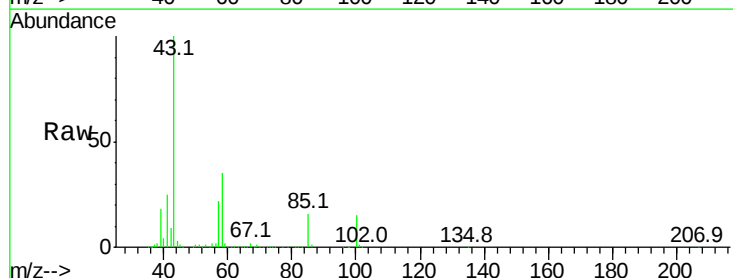
Tgt Ion: 43 Resp: 292296

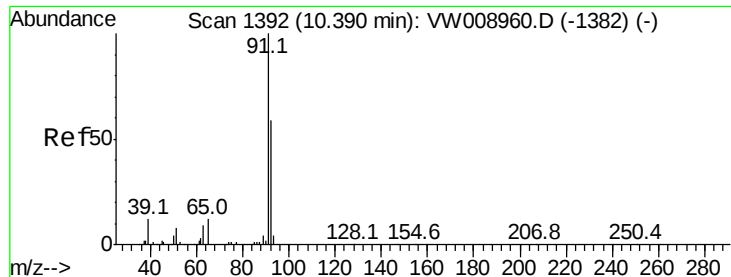
Ion Ratio Lower Upper

43 100

58 35.2 31.1 46.7

100 14.3 14.0 21.0





#44

Toluene

Concen: 23.961 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW009170.D

Acq: 14 Mar 2019 15:06

Instrument :

MSVOA_W

ClientSampleId :

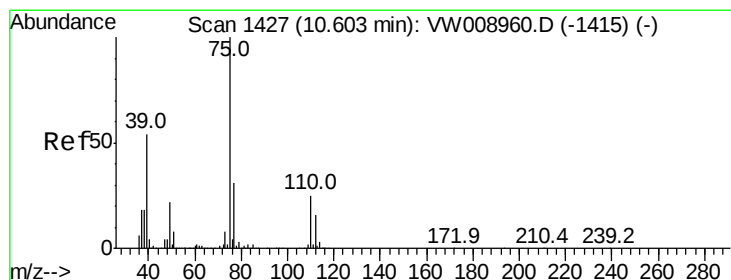
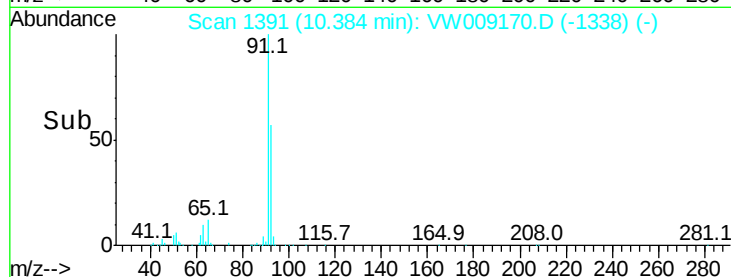
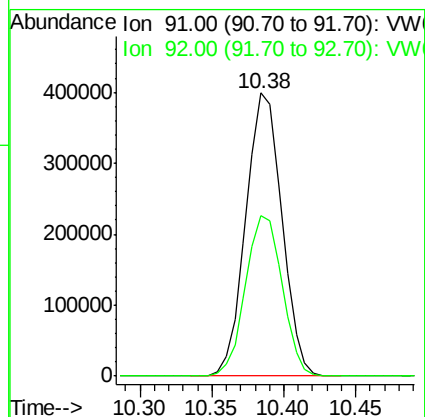
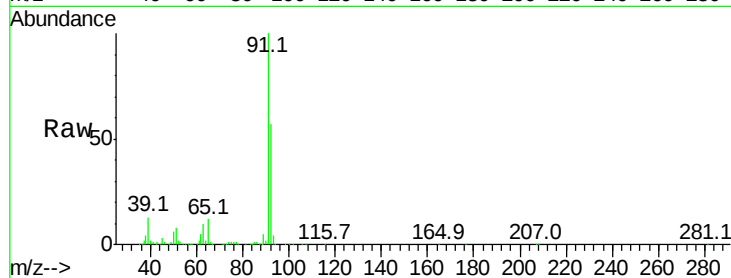
VSTD02503

Tgt Ion: 91 Resp: 693545

Ion Ratio Lower Upper

91 100

92 56.8 39.6 73.6



#45

trans-1,3-Dichloropropene

Concen: 25.699 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009170.D

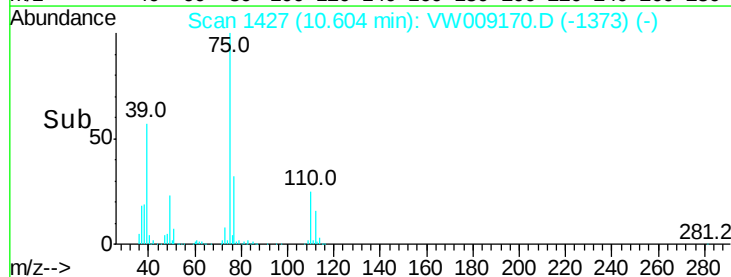
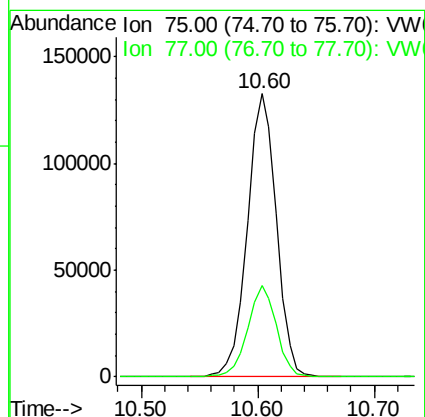
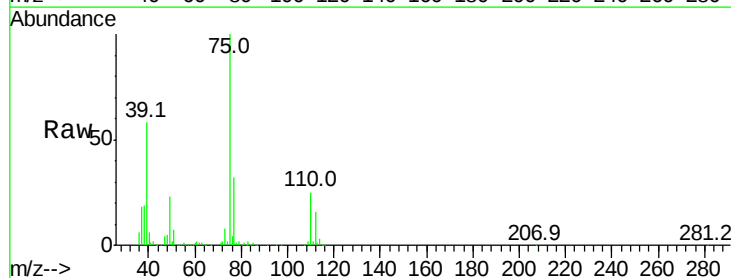
Acq: 14 Mar 2019 15:06

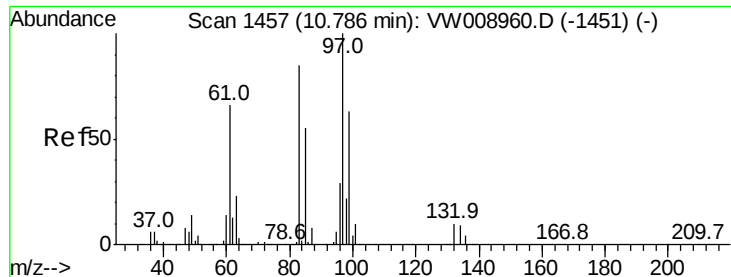
Tgt Ion: 75 Resp: 231511

Ion Ratio Lower Upper

75 100

77 32.1 21.1 39.3





#46

1,1,2-Trichloroethane

Concen: 24.610 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW009170.D

Acq: 14 Mar 2019 15:06

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

Tgt Ion: 97 Resp: 127972

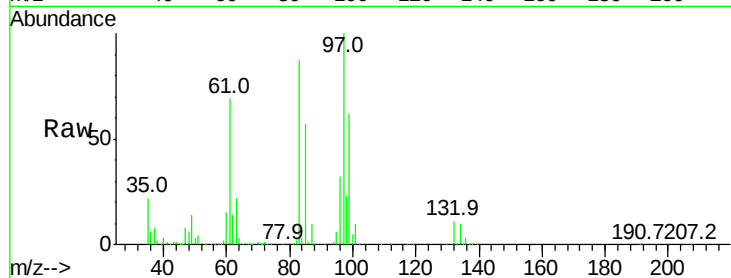
Ion Ratio Lower Upper

97 100

83 86.7 58.4 108.6

85 57.3 36.4 67.6

99 62.5 43.8 81.3

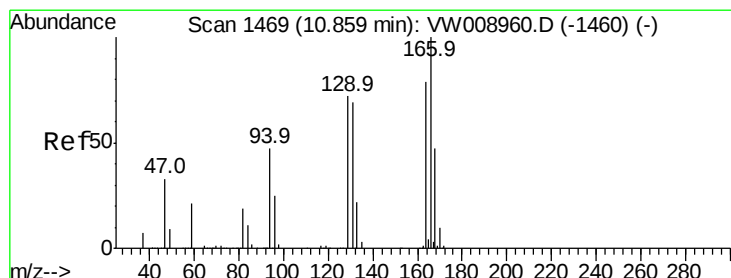
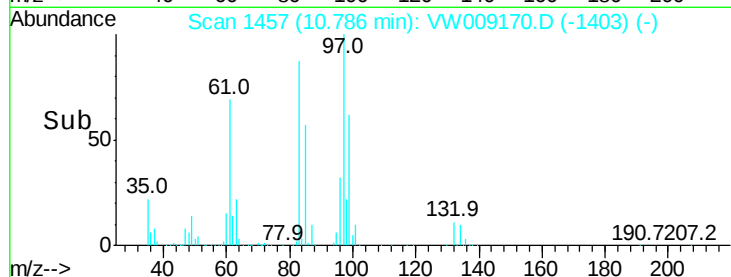
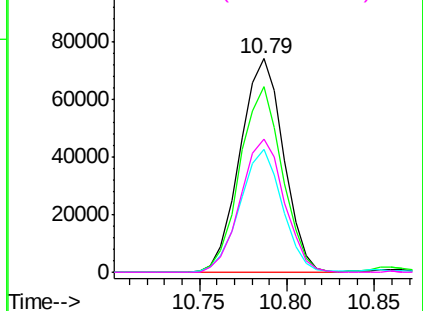


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 22.635 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW009170.D

Acq: 14 Mar 2019 15:06

Tgt Ion: 164 Resp: 140031

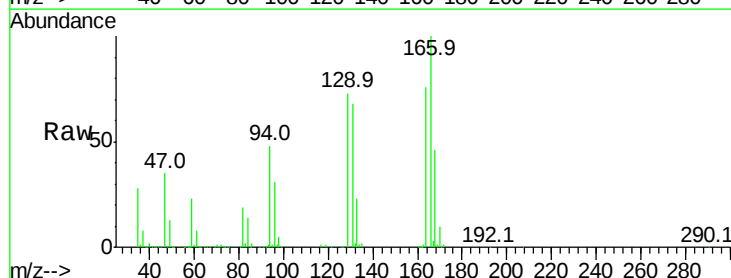
Ion Ratio Lower Upper

164 100

129 95.0 70.6 131.2

131 89.5 66.5 123.5

166 130.8 87.7 162.9

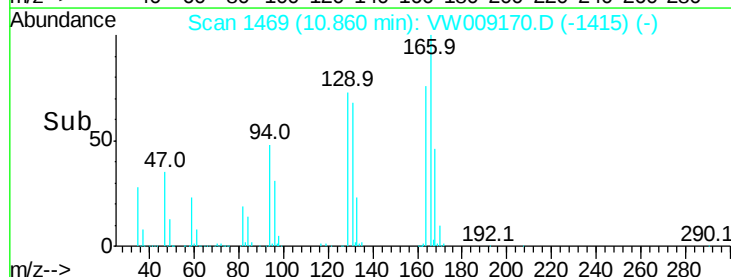
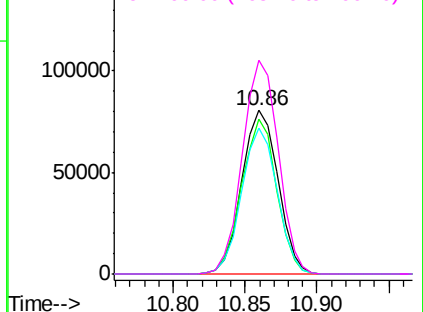


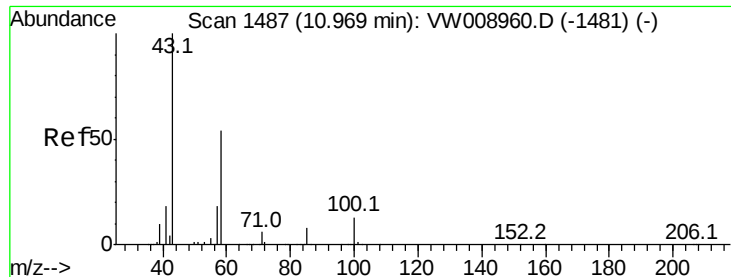
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#49

2-Hexanone

Concen: 50.006 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW009170.D

Acq: 14 Mar 2019 15:06

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

Tgt Ion: 43 Resp: 220309

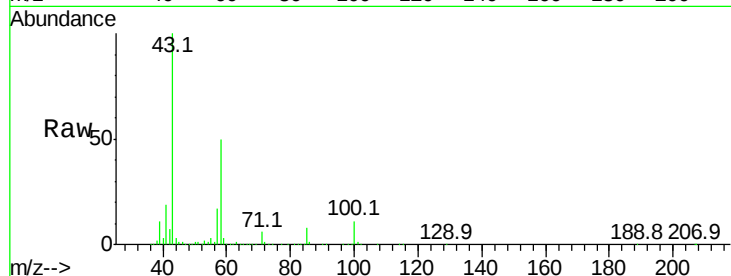
Ion Ratio Lower Upper

43 100

58 49.0 46.2 69.4

57 17.7 17.9 26.9#

100 11.1 11.4 17.2#

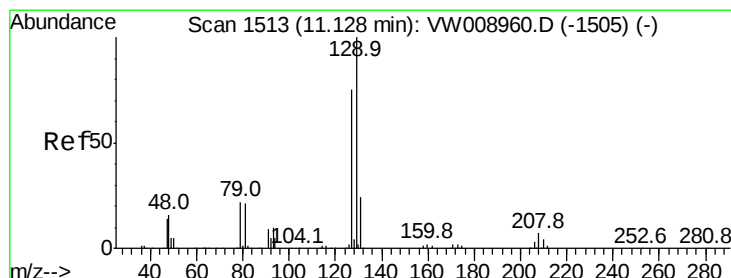
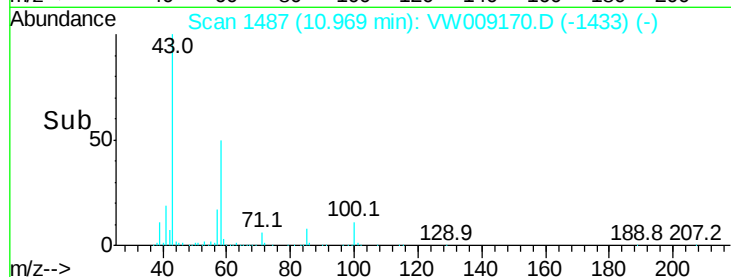
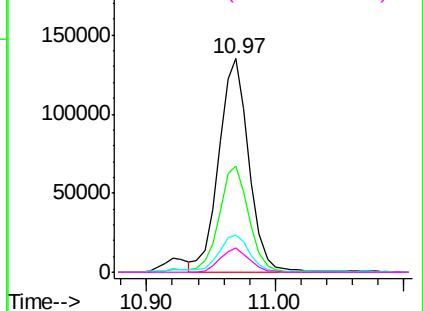


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 25.252 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW009170.D

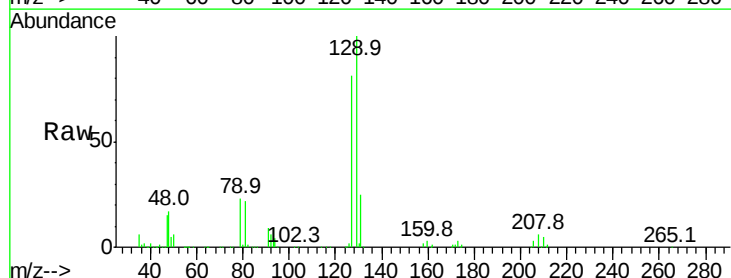
Acq: 14 Mar 2019 15:06

Tgt Ion: 129 Resp: 159188

Ion Ratio Lower Upper

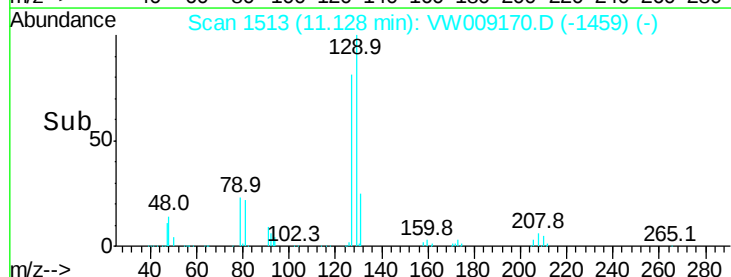
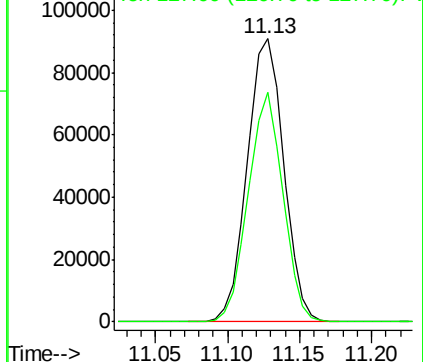
129 100

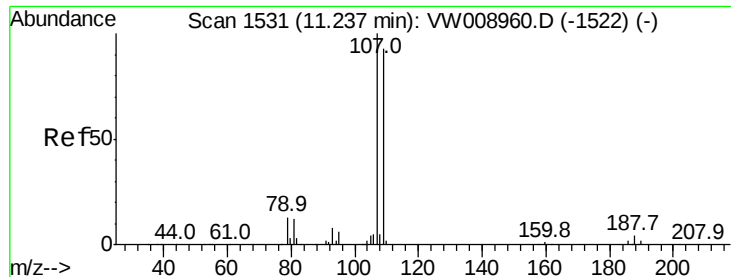
127 81.2 55.8 103.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

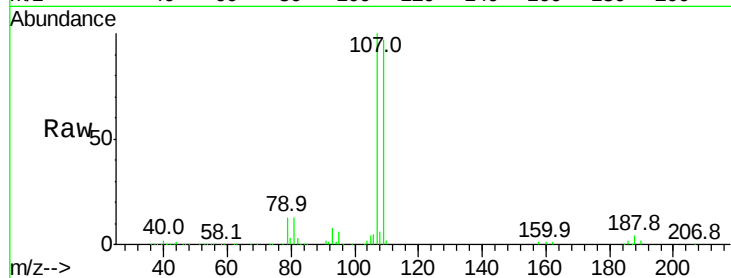




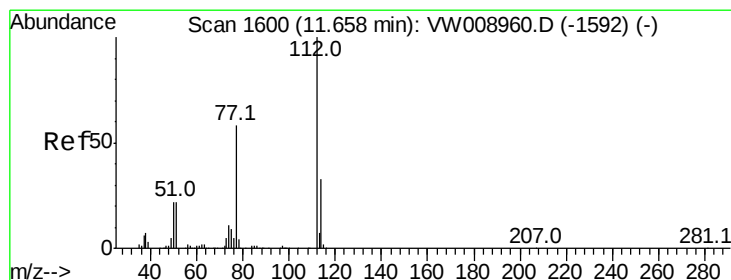
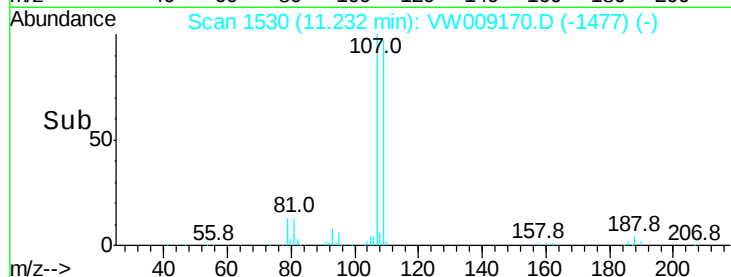
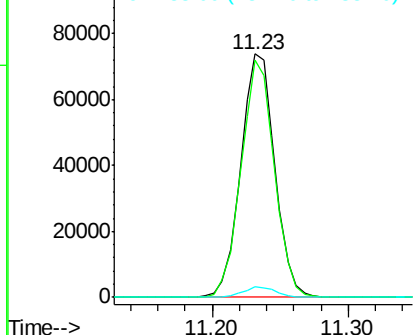
#51
1,2-Dibromoethane
Concen: 24.482 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VW009170.D
Acq: 14 Mar 2019 15:06

Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

Tgt Ion:107 Resp: 128774
Ion Ratio Lower Upper
107 100
109 97.2 63.2 117.4
188 4.4 3.1 4.7

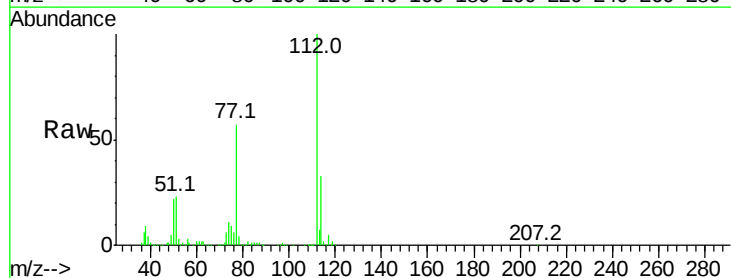


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

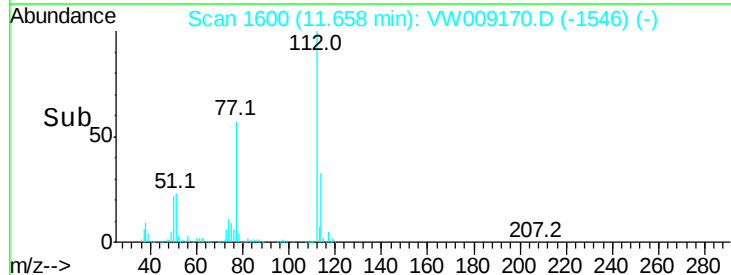
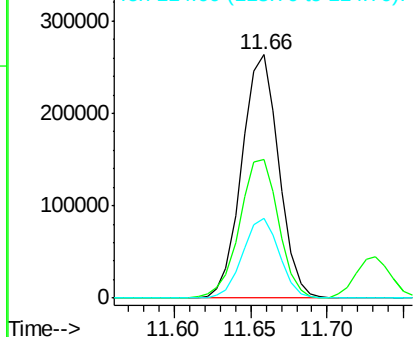


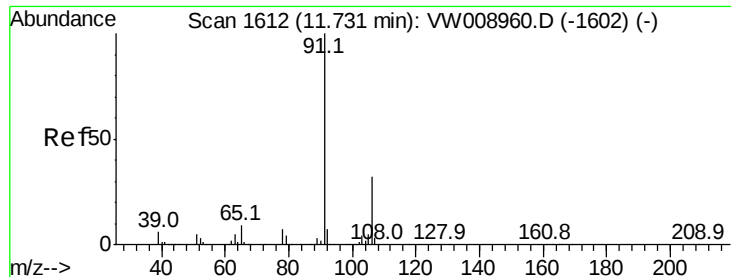
#52
Chlorobenzene
Concen: 22.783 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW009170.D
Acq: 14 Mar 2019 15:06

Tgt Ion:112 Resp: 443831
Ion Ratio Lower Upper
112 100
77 57.1 47.8 71.6
114 32.6 22.2 41.2



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V

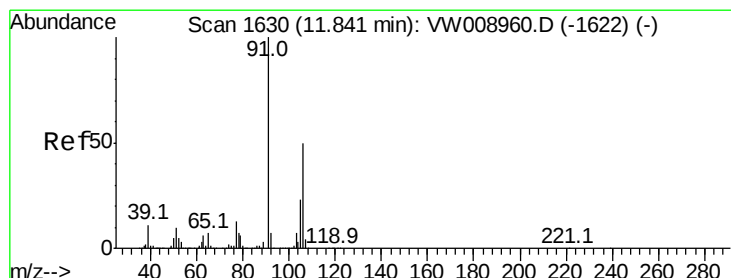
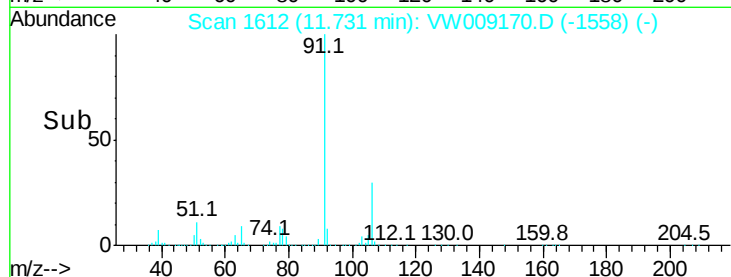
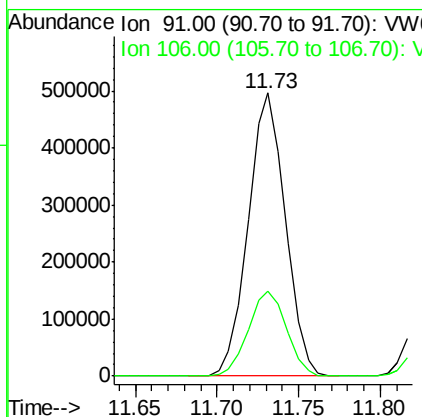
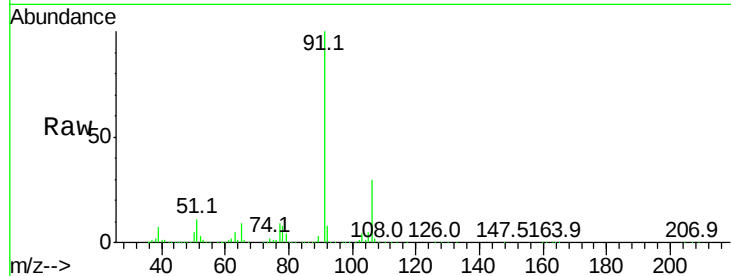




#53
Ethylbenzene
Concen: 23.353 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009170.D
Acq: 14 Mar 2019 15:06

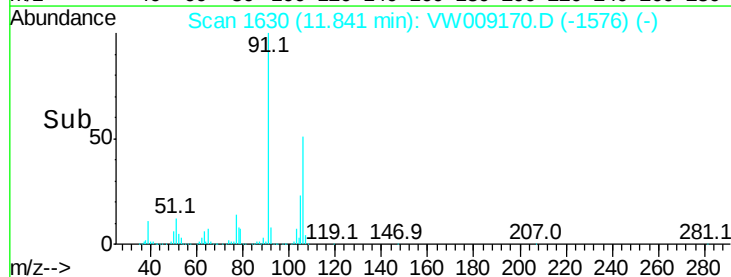
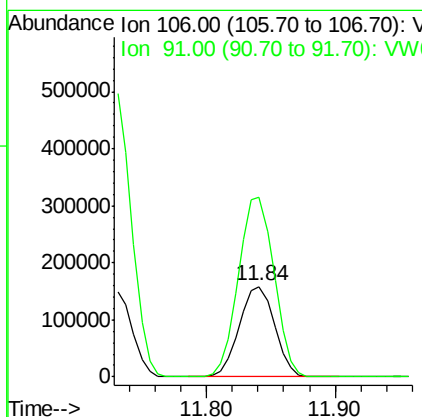
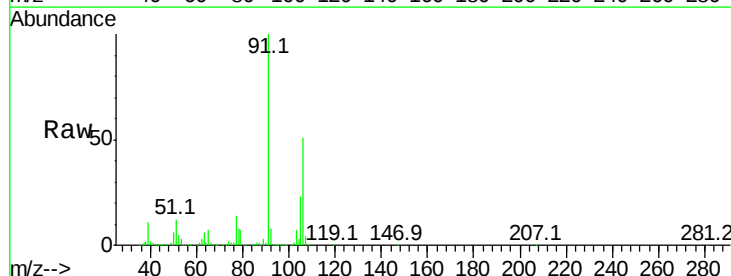
Instrument :
MSVOA_W
ClientSampled :
VSTD02503

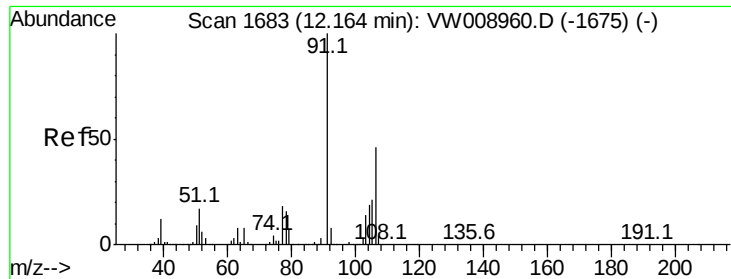
Tgt Ion: 91 Resp: 785401
Ion Ratio Lower Upper
91 100
106 30.0 21.5 39.9



#54
m,p-Xylene
Concen: 22.666 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009170.D
Acq: 14 Mar 2019 15:06

Tgt Ion: 106 Resp: 299745
Ion Ratio Lower Upper
106 100
91 197.7 147.8 274.4

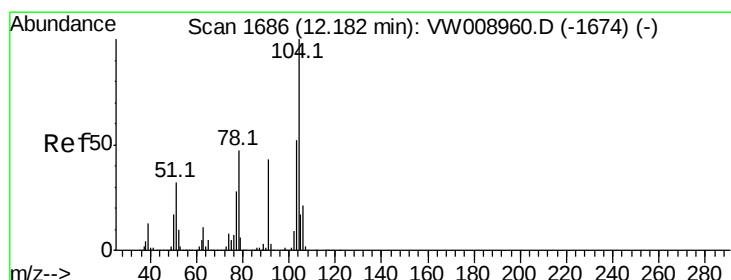
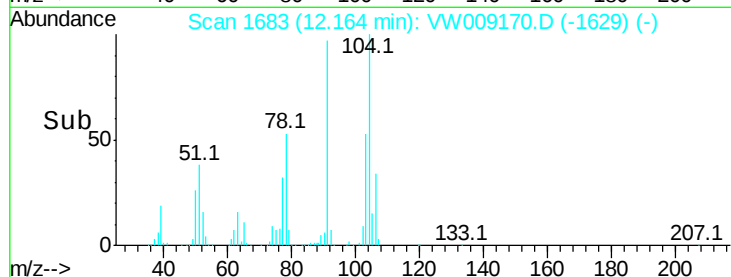
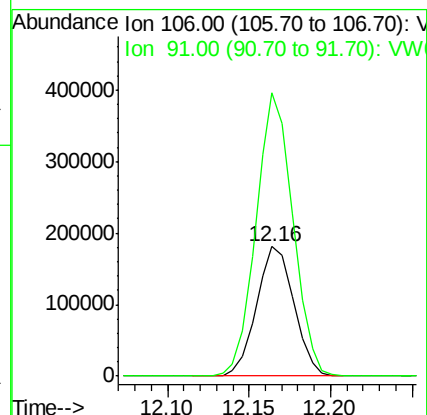
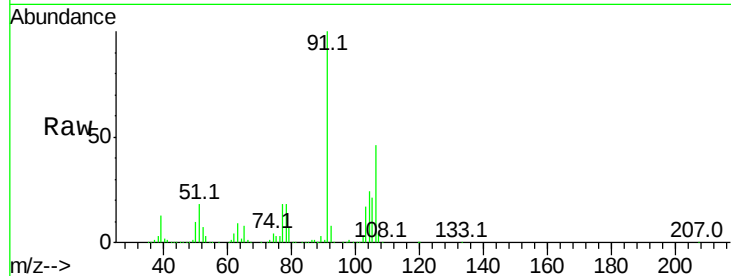




#55
o-xylene
Concen: 22.728 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW009170.D
Acq: 14 Mar 2019 15:06

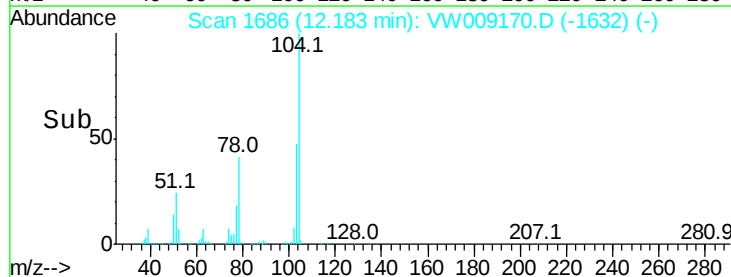
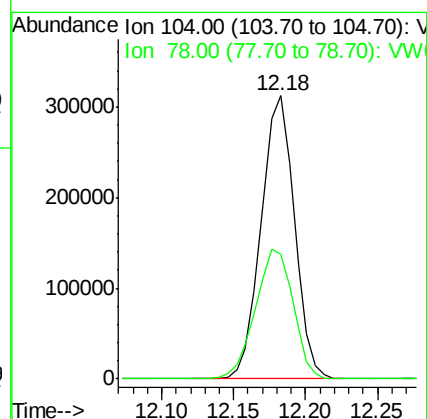
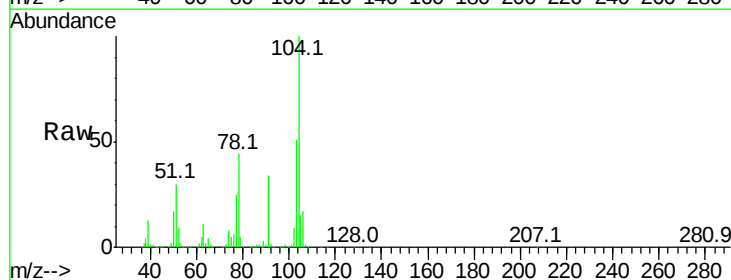
Instrument :
MSVOA_W
ClientSampled :
VSTD02503

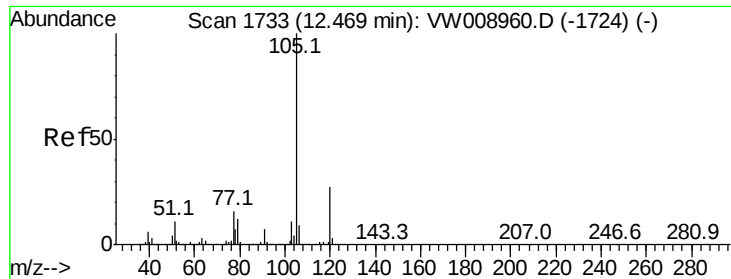
Tgt Ion:106 Resp: 289147
Ion Ratio Lower Upper
106 100
91 218.8 156.0 289.6



#56
Styrene
Concen: 23.429 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009170.D
Acq: 14 Mar 2019 15:06

Tgt Ion:104 Resp: 499907
Ion Ratio Lower Upper
104 100
78 44.1 34.6 64.3





#57

Isopropylbenzene

Concen: 23.167 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW009170.D

Acq: 14 Mar 2019 15:06

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

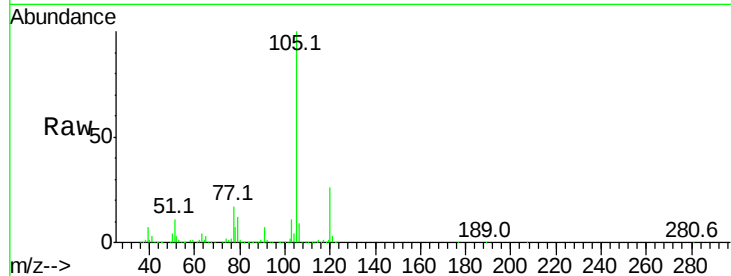
Tgt Ion: 105 Resp: 786263

Ion Ratio Lower Upper

105 100

120 26.6 21.1 31.7

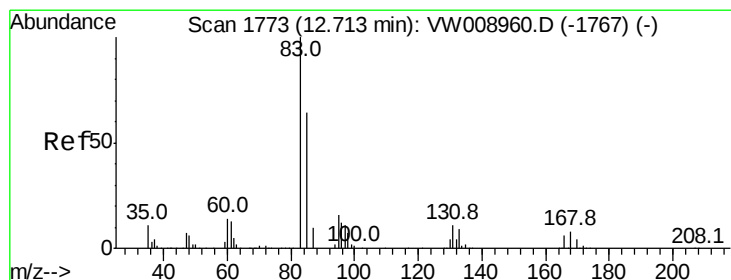
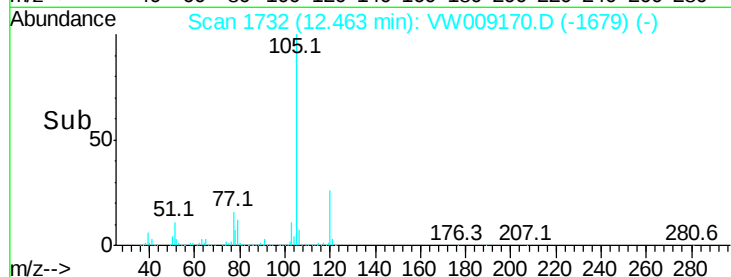
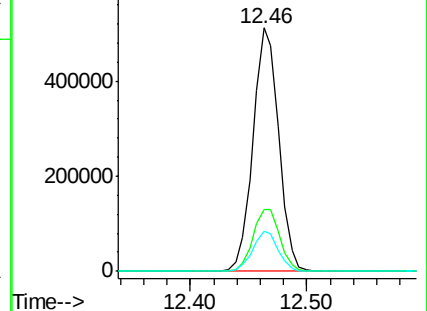
77 16.4 12.4 18.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 24.626 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009170.D

Acq: 14 Mar 2019 15:06

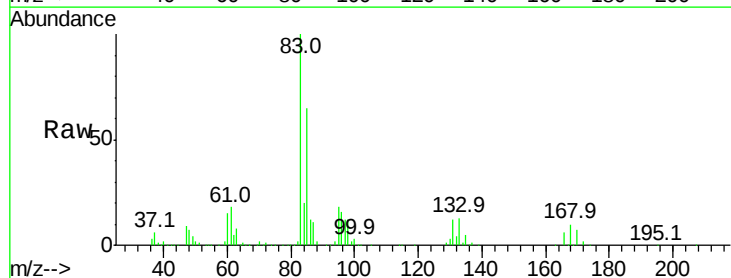
Tgt Ion: 83 Resp: 171797

Ion Ratio Lower Upper

83 100

85 65.2 46.6 86.6

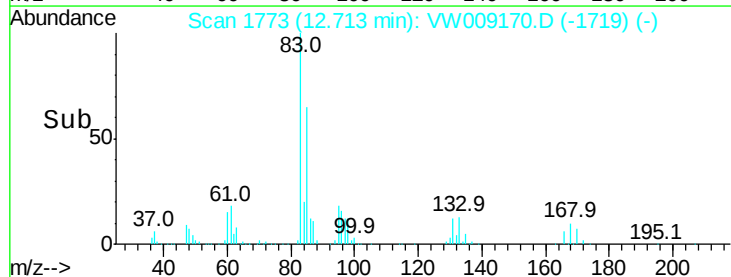
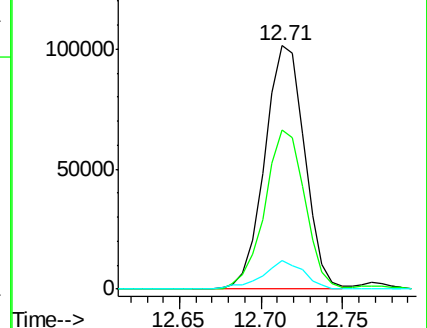
131 11.5 9.7 14.5

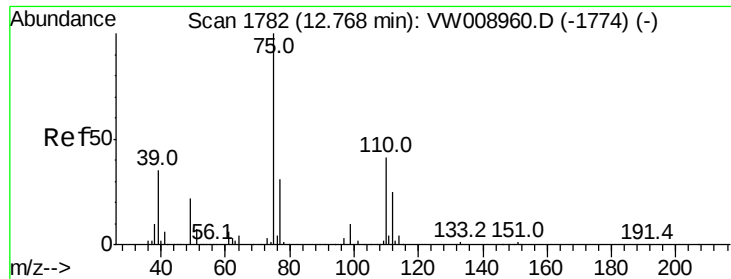


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.407 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW009170.D

Acq: 14 Mar 2019 15:06

Instrument :

MSVOA_W

ClientSampleId :

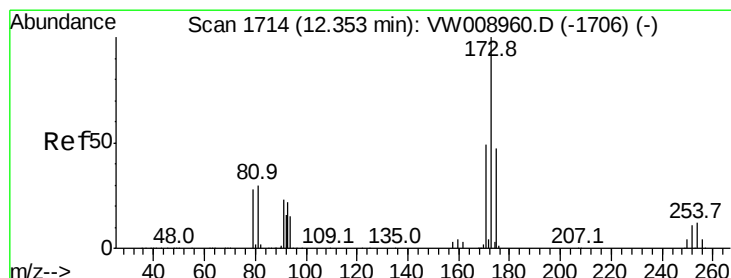
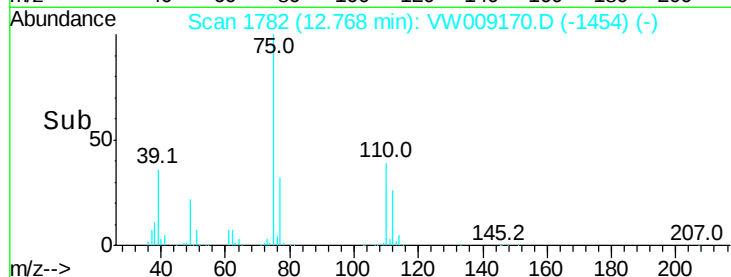
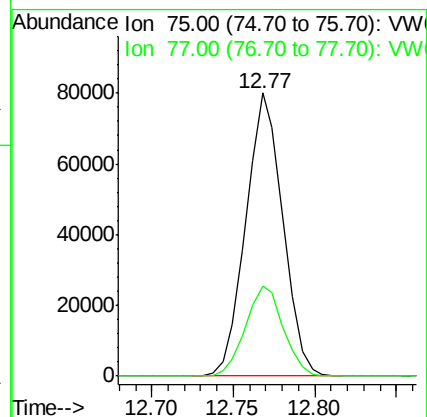
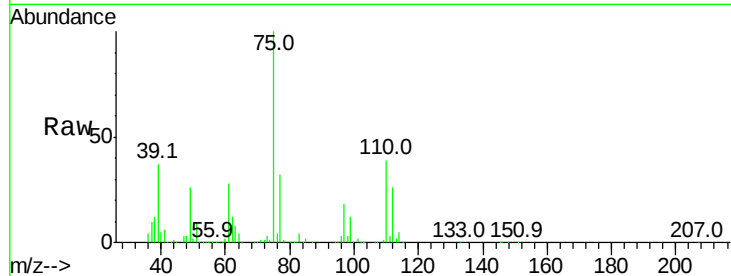
VSTD02503

Tgt Ion: 75 Resp: 125891

Ion Ratio Lower Upper

75 100

77 32.7 25.5 38.3



#62

Bromoform

Concen: 27.275 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW009170.D

Acq: 14 Mar 2019 15:06

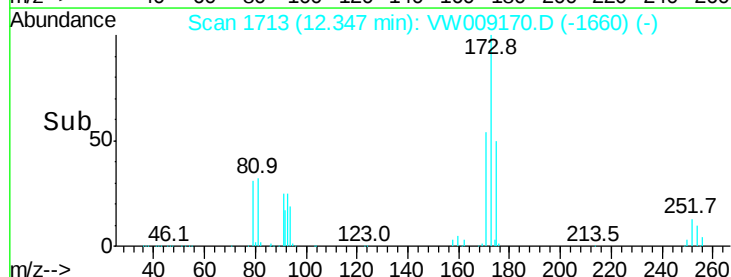
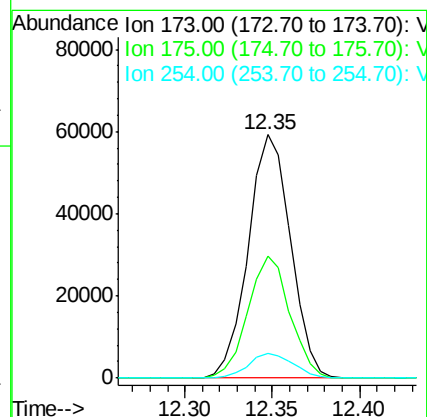
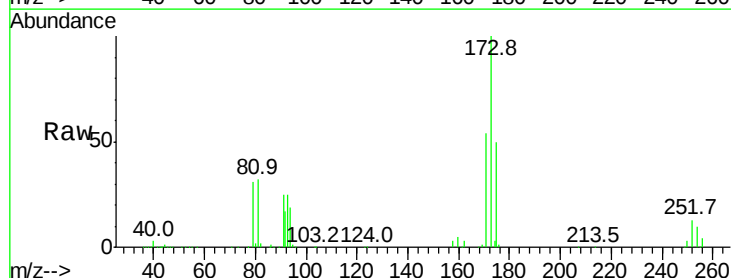
Tgt Ion: 173 Resp: 99855

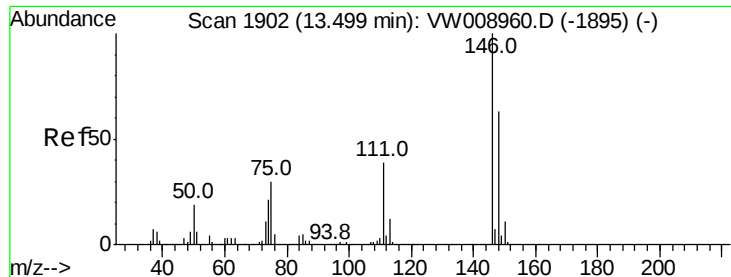
Ion Ratio Lower Upper

173 100

175 49.6 39.0 58.4

254 10.6 5.8 8.8#

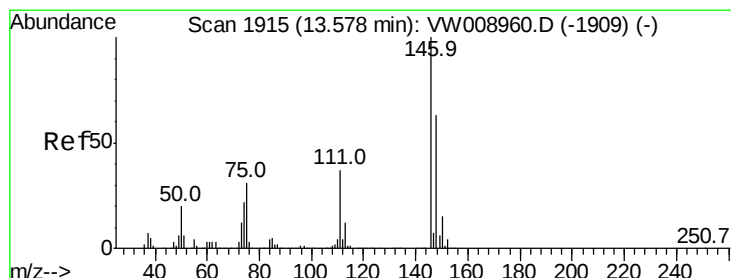
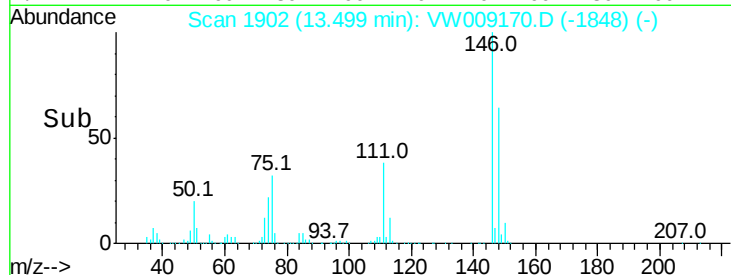
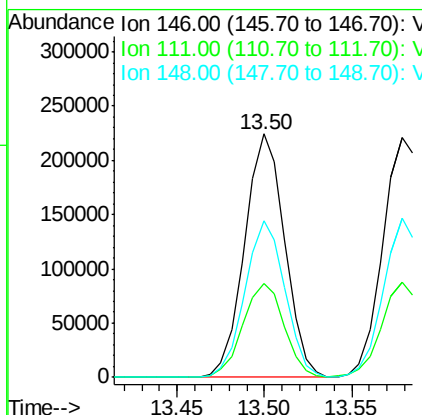
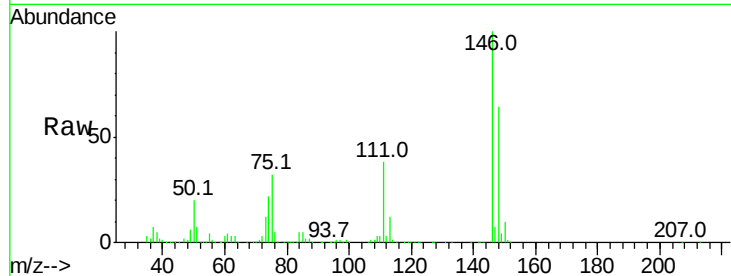




#63
 1,3-Dichlorobenzene
 Concen: 23.170 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009170.D
 Acq: 14 Mar 2019 15:06

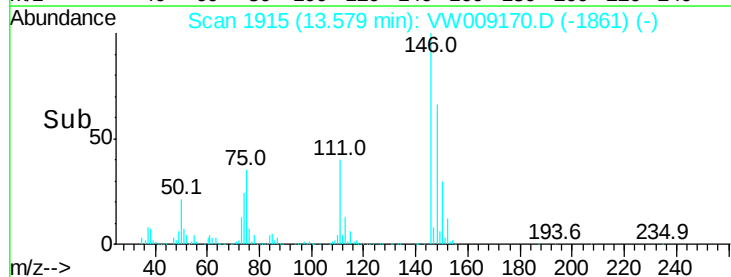
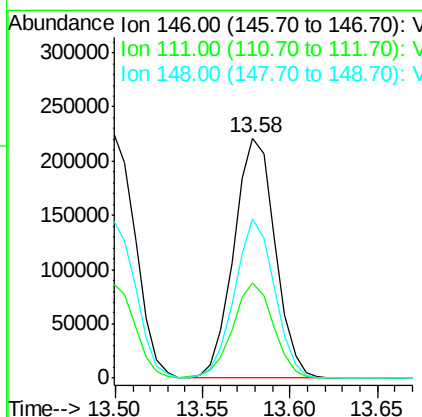
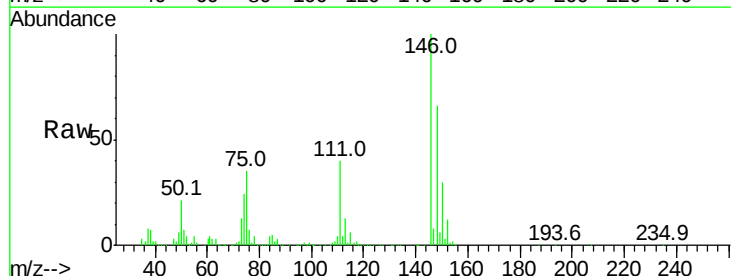
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

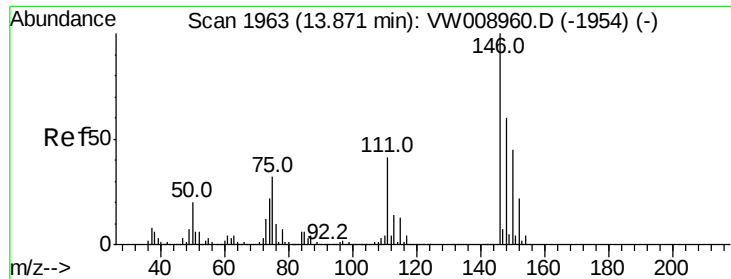
Tgt Ion:146 Resp: 357607
 Ion Ratio Lower Upper
 146 100
 111 38.4 31.0 57.6
 148 64.4 43.6 81.0



#64
 1,4-Dichlorobenzene
 Concen: 23.129 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW009170.D
 Acq: 14 Mar 2019 15:06

Tgt Ion:146 Resp: 362649
 Ion Ratio Lower Upper
 146 100
 111 39.7 26.9 49.9
 148 66.2 41.6 77.3

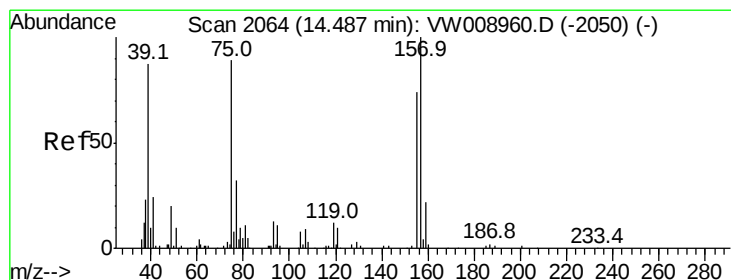
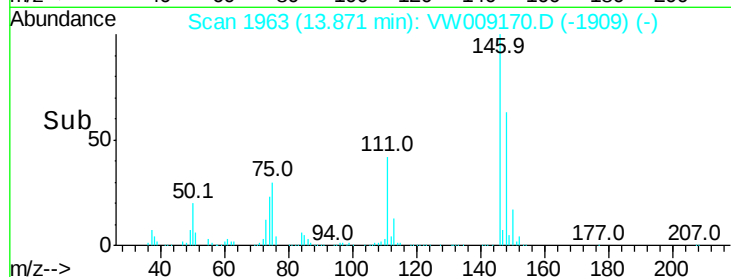
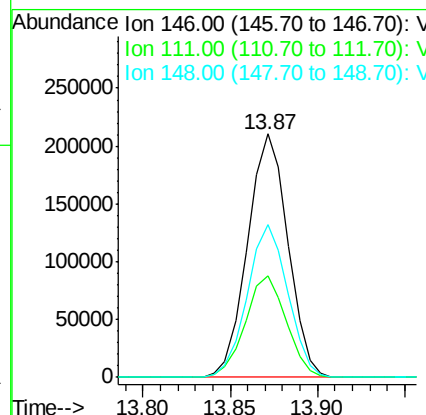
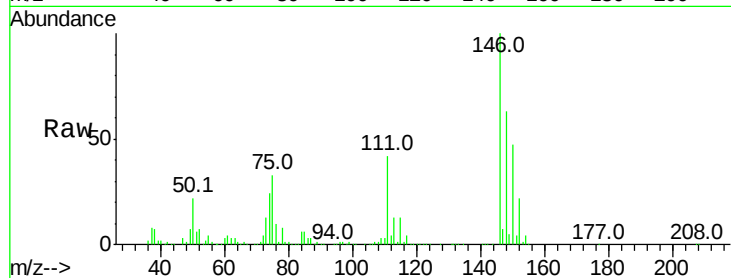




#65
 1,2-Dichlorobenzene
 Concen: 23.647 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009170.D
 Acq: 14 Mar 2019 15:06

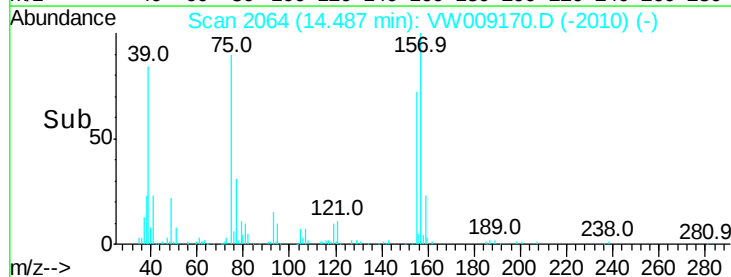
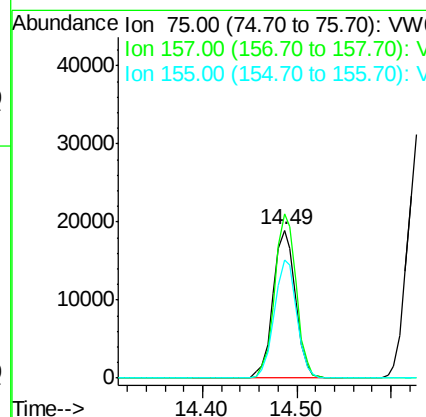
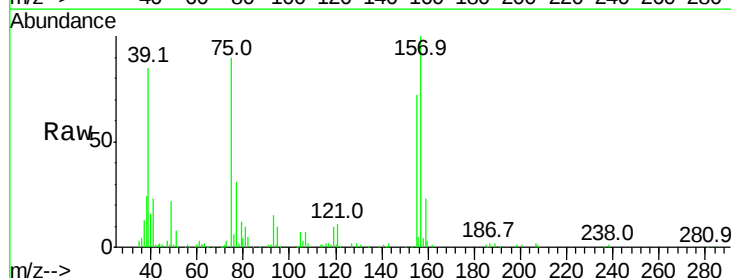
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

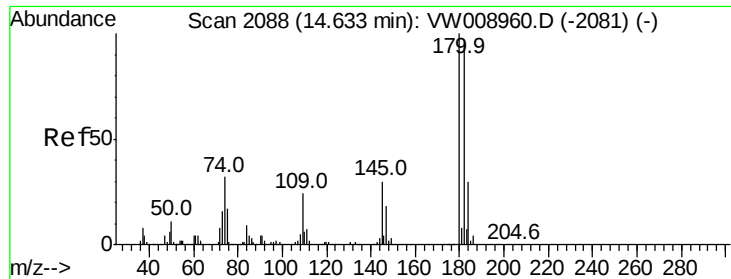
Tgt Ion:146 Resp: 338051
 Ion Ratio Lower Upper
 146 100
 111 41.9 36.4 54.6
 148 62.7 51.0 76.4



#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.876 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009170.D
 Acq: 14 Mar 2019 15:06

Tgt Ion: 75 Resp: 31576
 Ion Ratio Lower Upper
 75 100
 157 111.2 85.6 128.4
 155 80.2 63.4 95.0

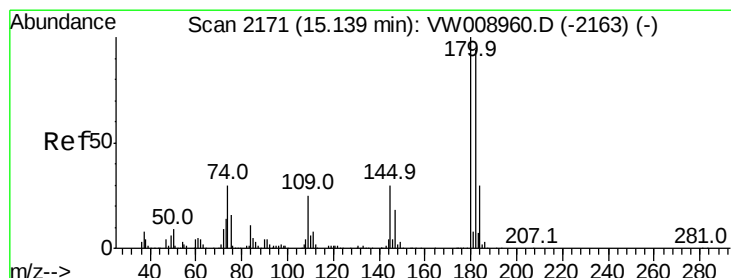
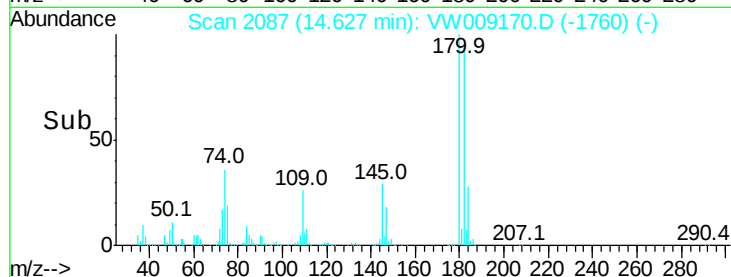
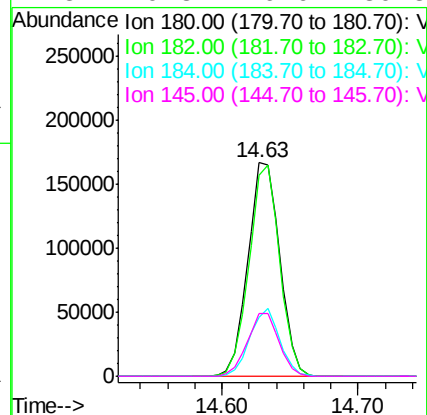
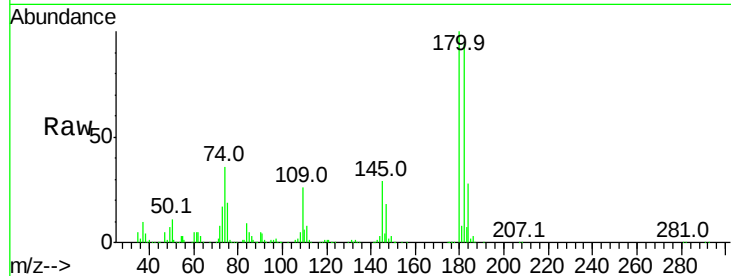




#67
 1,3,5-Trichlorobenzene
 Concen: 22.511 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VW009170.D
 Acq: 14 Mar 2019 15:06

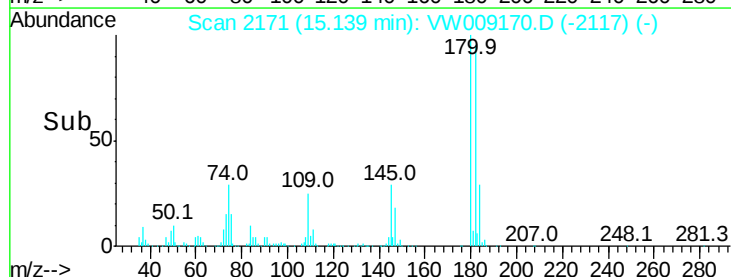
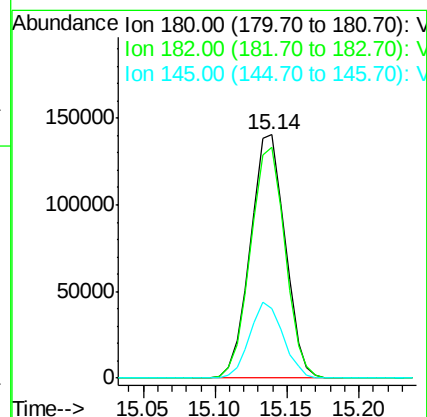
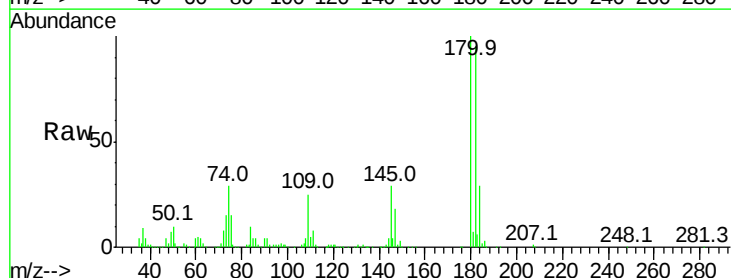
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

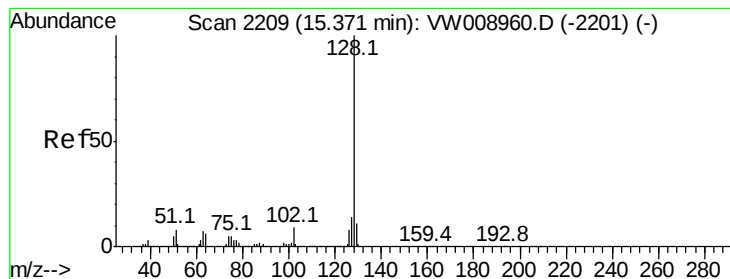
Tgt Ion:	180	Resp:	273550
Ion Ratio	Lower	Upper	
180	100		
182	95.1	75.0	112.4
184	29.7	23.5	35.3
145	29.3	26.6	39.8



#68
 1,2,4-trichlorobenzene
 Concen: 22.385 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009170.D
 Acq: 14 Mar 2019 15:06

Tgt Ion:	180	Resp:	234299
Ion Ratio	Lower	Upper	
180	100		
182	94.4	77.0	115.6
145	30.1	27.9	41.9





#69

Naphthalene

Concen: 23.116 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009170.D

Acq: 14 Mar 2019 15:06

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

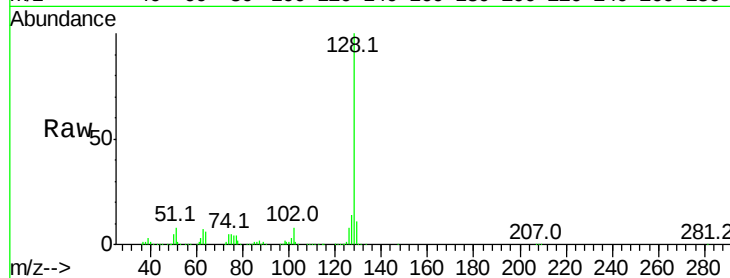
Tgt Ion:128 Resp: 498118

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

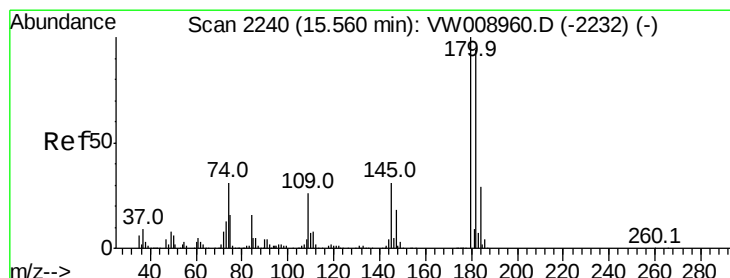
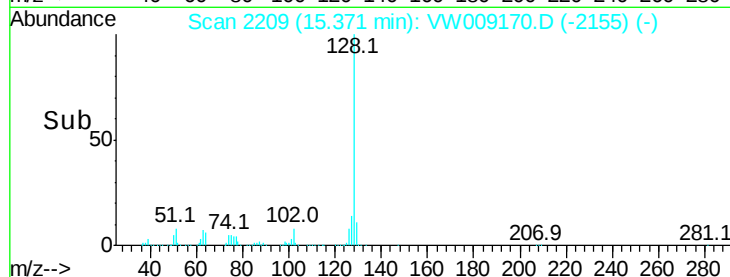
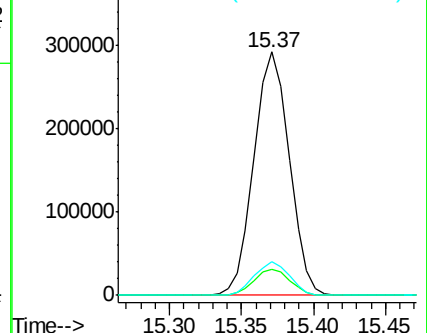
127 13.9 11.1 16.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 22.363 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW009170.D

Acq: 14 Mar 2019 15:06

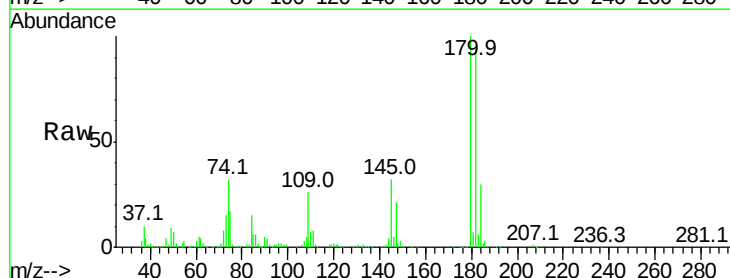
Tgt Ion:180 Resp: 215094

Ion Ratio Lower Upper

180 100

182 96.5 75.8 113.6

145 32.2 29.4 44.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

