

Data File : VW008754.D
Acq On : 20 Feb 2019 12:06
Operator : SY/VA
Sample : VSTD02583
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

Quant Time: Feb 20 12:31:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022019S.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 20 11:29:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	422192	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	407120	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	218513	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.34	65	149012	35.82	ug/L	-0.02
7) Chloroethane-d5	2.88	69	129716	46.27	ug/L	-0.01
10) 1,1-Dichloroethene-d2	4.01	63	250057	22.20	ug/L	0.00
20) 2-Butanone-d5	7.08	46	95914	54.05	ug/L	0.00
24) Chloroform-d	7.65	84	231226	20.59	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	137017	20.35	ug/L	0.00
29) Benzene-d6	8.27	84	466792	20.44	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	133730	21.53	ug/L	0.00
37) Toluene-d8	10.32	98	481081	21.63	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	67338	18.89	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	80584	50.73	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	140748	23.55	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	190369	21.57	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	206954	44.477	ug/L	93
3) Chloromethane	2.21	50	213558	58.238	ug/L	96
5) Vinyl chloride	2.35	62	222295	48.732	ug/L	93
6) Bromomethane	2.77	94	144513	53.400	ug/L	100
8) Chloroethane	2.92	64	150101	66.228	ug/L	92
9) Trichlorofluoromethane	3.26	101	258820	65.706	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	150762	28.288	ug/L	98
12) 1,1-Dichloroethene	4.04	96	132151	27.078	ug/L	92
13) Acetone	4.14	43	98412	56.766	ug/L	99
14) Carbon disulfide	4.38	76	482038	31.184	ug/L	99
15) Methyl Acetate	4.67	43	88716	33.629	ug/L	98
16) Methylene chloride	4.92	84	154935	22.679	ug/L	89
17) Methyl tert-butyl Ether	5.43	73	366721	42.276	ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	144271	27.252	ug/L	92
19) 1,1-Dichloroethane	6.21	63	244886	27.805	ug/L	96
21) 2-Butanone	7.18	43	139288	70.609	ug/L	93
22) cis-1,2-Dichloroethene	7.17	96	154467	27.230	ug/L	93
23) Bromochloromethane	7.51	128	70549	27.622	ug/L	84
25) Chloroform	7.68	83	257939	26.004	ug/L	99
27) 1,2-Dichloroethane	8.40	62	183953	25.286	ug/L #	91
30) Cyclohexane	7.95	56	254143	28.375	ug/L	96
31) 1,1,1-Trichloroethane	7.87	97	239956	24.584	ug/L	97
32) Carbon tetrachloride	8.07	117	223039	23.801	ug/L	100
34) Benzene	8.32	78	572742	26.290	ug/L	100
35) Trichloroethene	9.09	95	153069	24.184	ug/L	97
36) Methylcyclohexane	9.34	83	278176	25.629	ug/L	96
40) 1,2-Dichloropropane	9.37	63	138952	27.133	ug/L	99
41) Bromodichloromethane	9.65	83	186280	24.733	ug/L	99
42) cis-1,3-Dichloropropene	10.07	75	227112	25.406	ug/L	94
43) 4-Methyl-2-pentanone	10.21	43	262041	64.651	ug/L	96

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Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	670695	27.517	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	201599	24.475	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	114223	26.364	ug/L	98
47) Tetrachloroethene	10.86	164	142013	28.239	ug/L	95
49) 2-Hexanone	10.97	43	218782	74.817	ug/L	93
50) Dibromochloromethane	11.13	129	139968	25.358	ug/L	99
51) 1,2-Dibromoethane	11.24	107	120267	27.198	ug/L	98
52) Chlorobenzene	11.66	112	441648	27.835	ug/L	99
53) Ethylbenzene	11.73	91	781124	27.893	ug/L	99
54) m,p-Xylene	11.84	106	305009	28.909	ug/L	93
55) o-xylene	12.16	106	284927	28.475	ug/L	98
56) Styrene	12.18	104	485246	28.611	ug/L	93
57) Isopropylbenzene	12.47	105	782976	27.623	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.71	83	160132	29.809	ug/L	95
59) 1,2,3-Trichloropropane	12.77	75	118808	27.496	ug/L	100
62) Bromoform	12.35	173	89220	25.900	ug/L #	98
63) 1,3-Dichlorobenzene	13.50	146	367056	26.275	ug/L	94
64) 1,4-Dichlorobenzene	13.58	146	376522	27.103	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	341192	26.904	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.49	75	31186	24.943	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	289043	28.249	ug/L	97
68) 1,2,4-trichlorobenzene	15.14	180	246671	28.085	ug/L	96
69) Naphthalene	15.37	128	531634	26.741	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	223915	28.799	ug/L	97

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

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Instrument :
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ClientSampleId :
VSTD02503

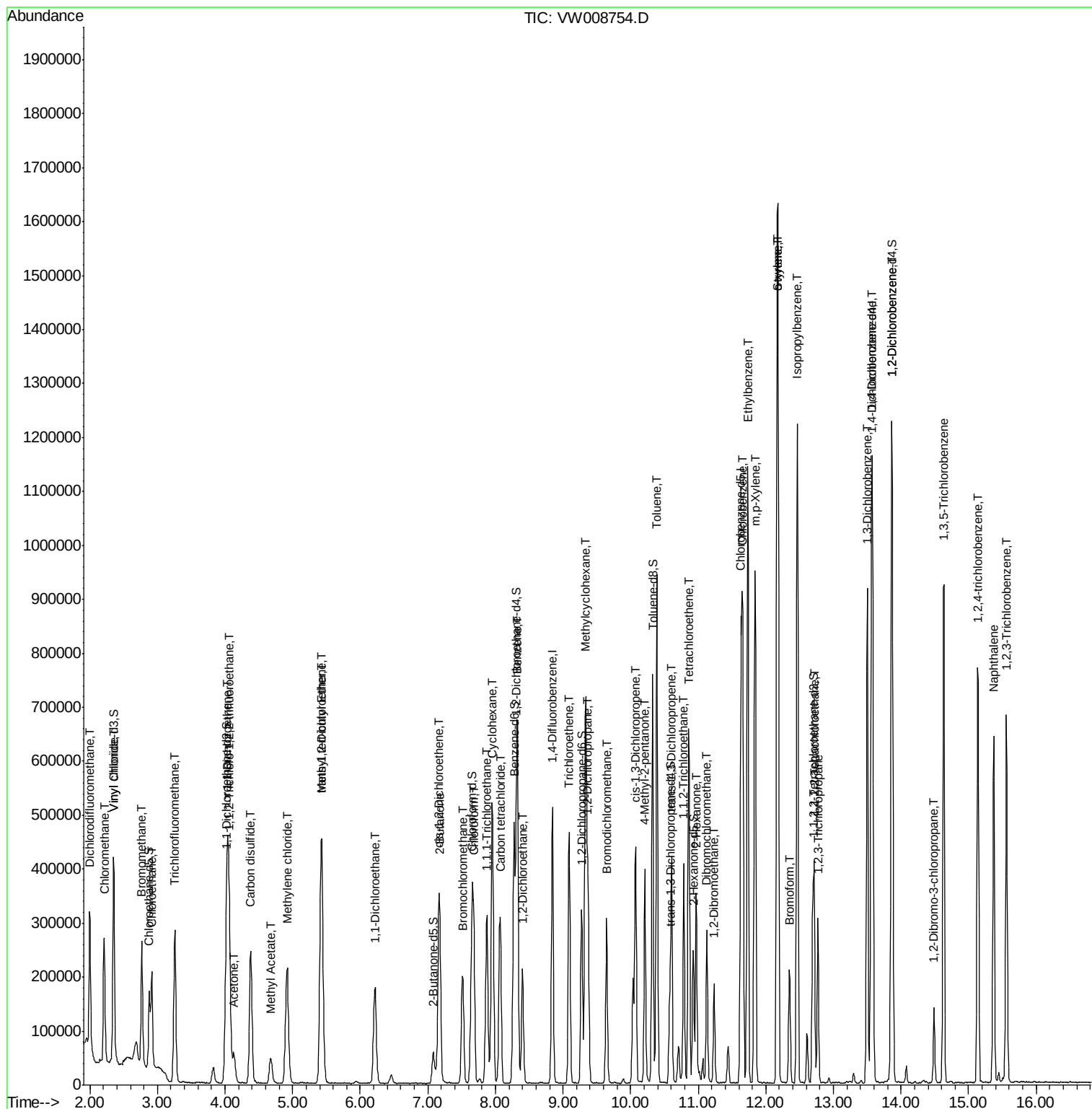
Quant Time: Feb 20 12:31:48 2019

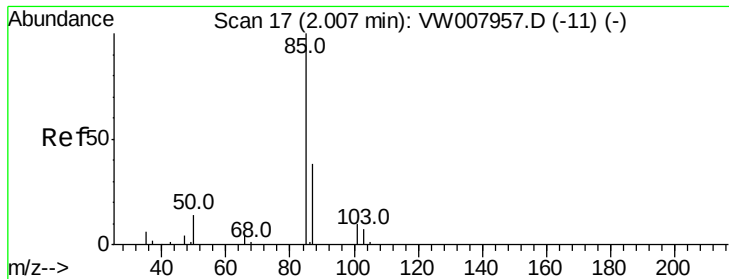
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022019S.M

Quant Title : VOC Analysis

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#2

Dichlorodifluoromethane

Concen: 44.477 ug/L

RT: 2.00 min Scan# 15

Delta R.T. -0.02 min

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Acq: 20 Feb 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

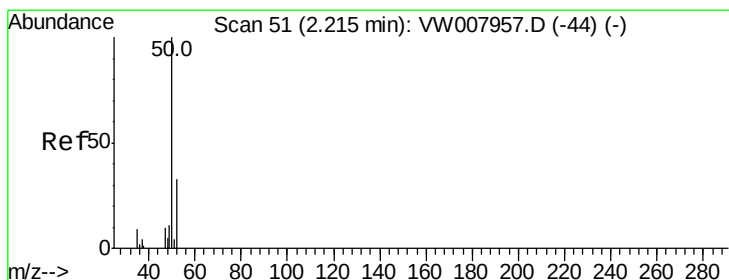
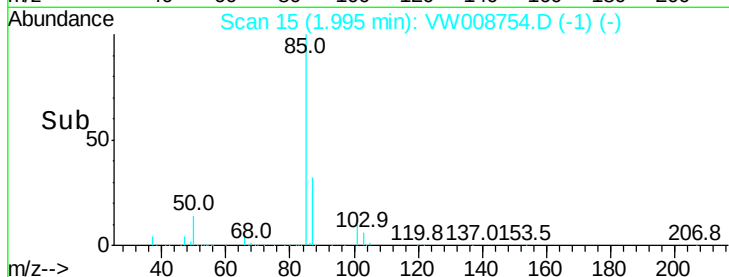
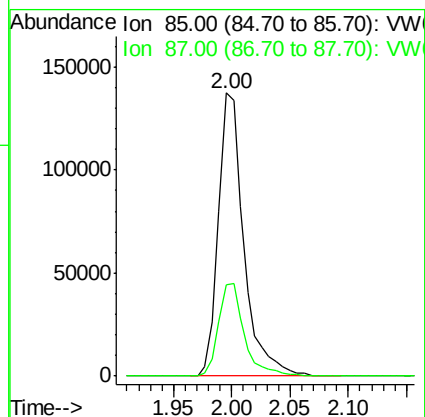
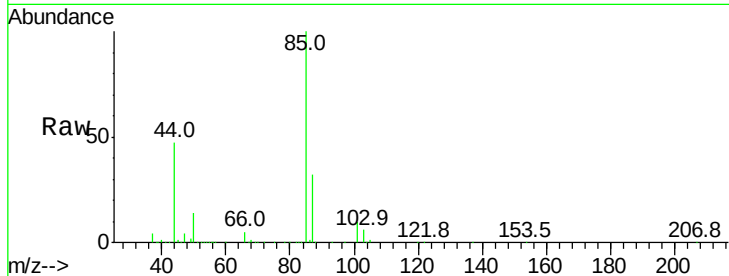
VSTD02503

Tgt Ion: 85 Resp: 206954

Ion Ratio Lower Upper

85 100

87 33.1 20.6 38.4



#3

Chloromethane

Concen: 58.238 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008754.D

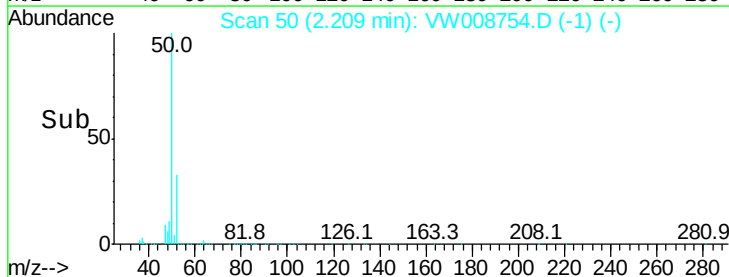
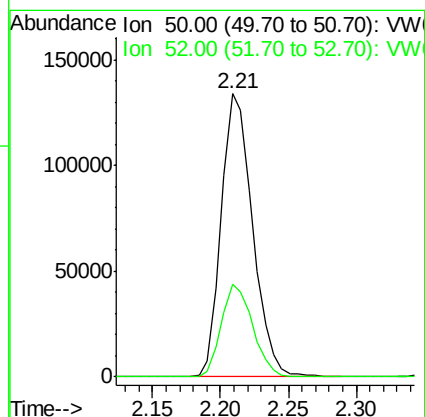
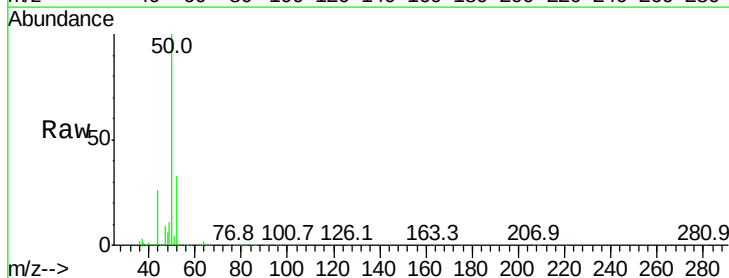
Acq: 20 Feb 2019 12:06

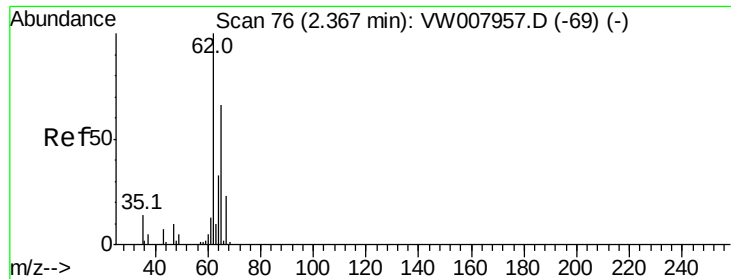
Tgt Ion: 50 Resp: 213558

Ion Ratio Lower Upper

50 100

52 32.6 21.4 39.8





#5

Vinyl chloride

Concen: 48.732 ug/L

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW008754.D

Acq: 20 Feb 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

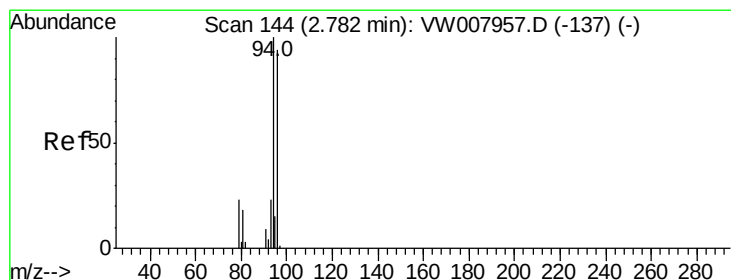
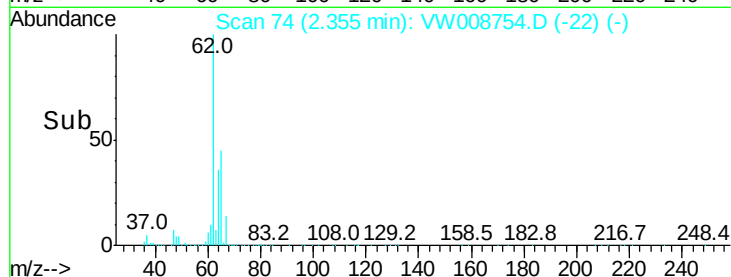
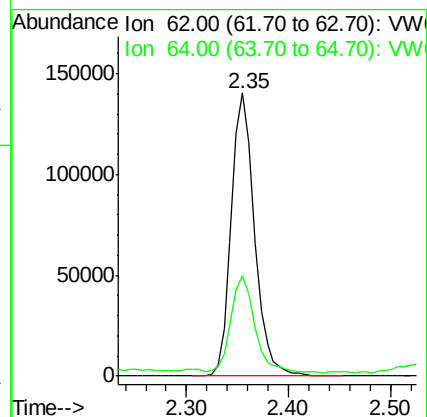
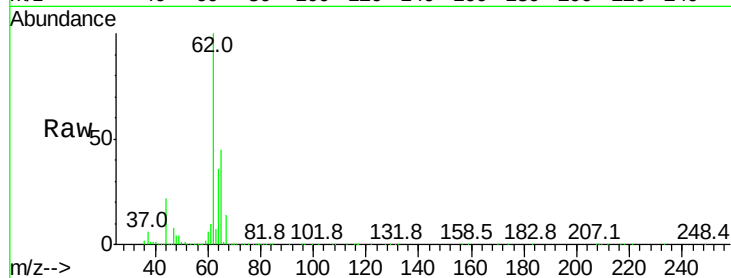
VSTD02503

Tgt Ion: 62 Resp: 222295

Ion Ratio Lower Upper

62 100

64 35.5 22.0 41.0



#6

Bromomethane

Concen: 53.400 ug/L

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW008754.D

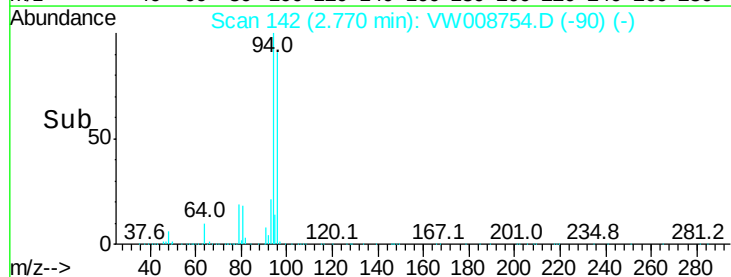
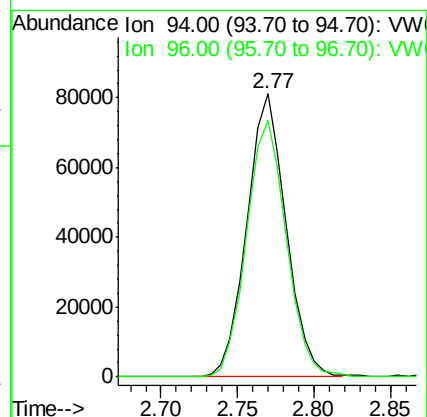
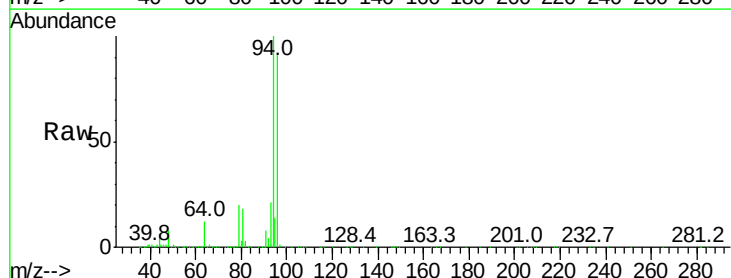
Acq: 20 Feb 2019 12:06

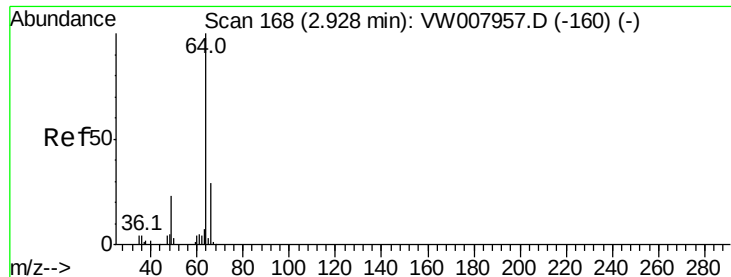
Tgt Ion: 94 Resp: 144513

Ion Ratio Lower Upper

94 100

96 92.4 9.2 175.4





#8

Chloroethane

Concen: 66.228 ug/L

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW008754.D

Acq: 20 Feb 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

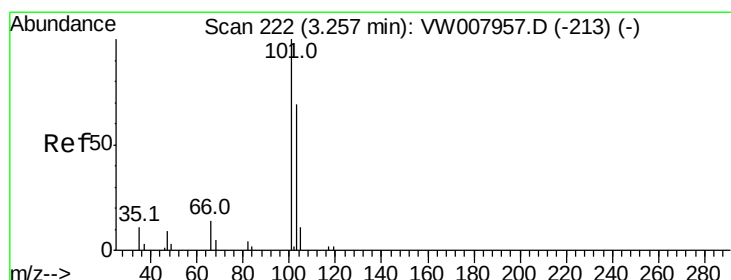
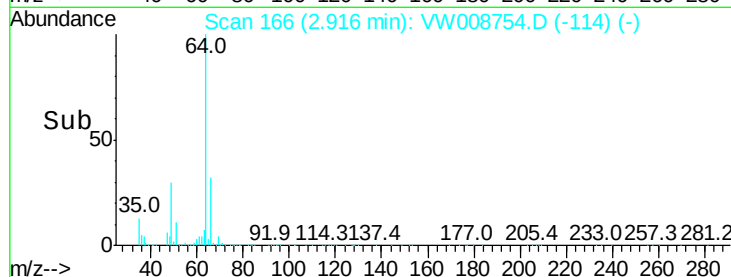
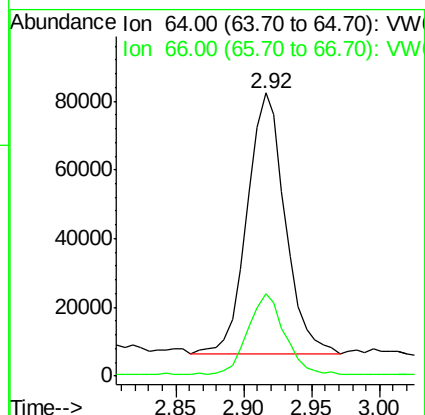
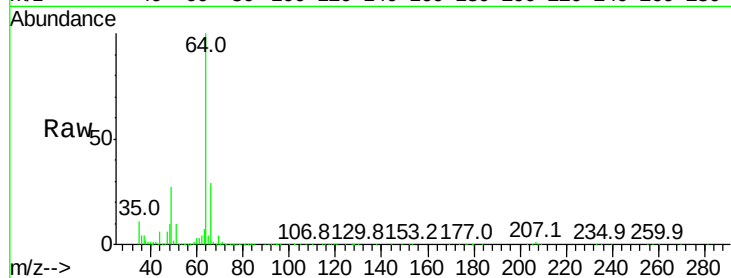
VSTD02503

Tgt Ion: 64 Resp: 150101

Ion Ratio Lower Upper

64 100

66 29.0 23.3 43.3



#9

Trichlorofluoromethane

Concen: 65.706 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW008754.D

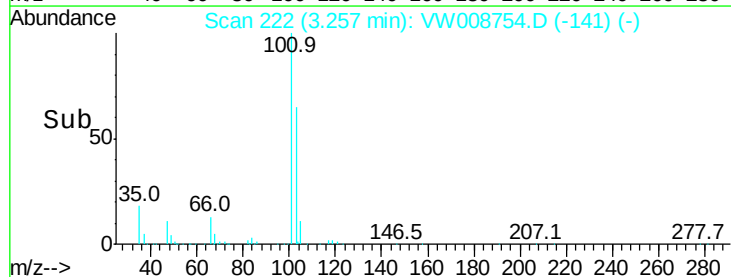
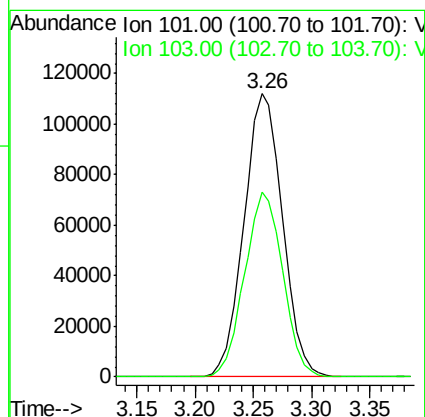
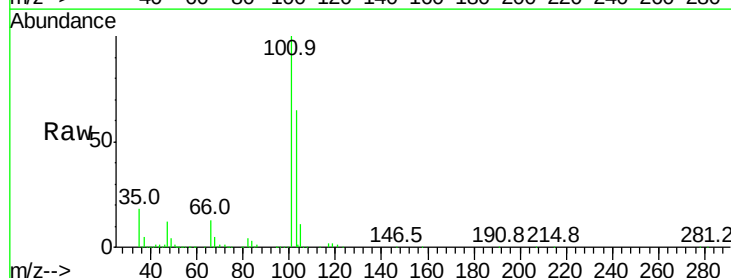
Acq: 20 Feb 2019 12:06

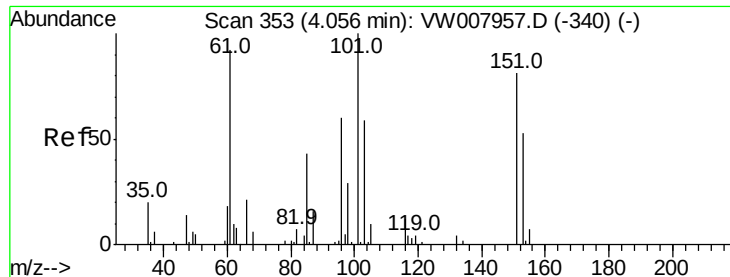
Tgt Ion: 101 Resp: 258820

Ion Ratio Lower Upper

101 100

103 64.7 44.7 83.1





#11

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

Concen: 28.288 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW008754.D

Acq: 20 Feb 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

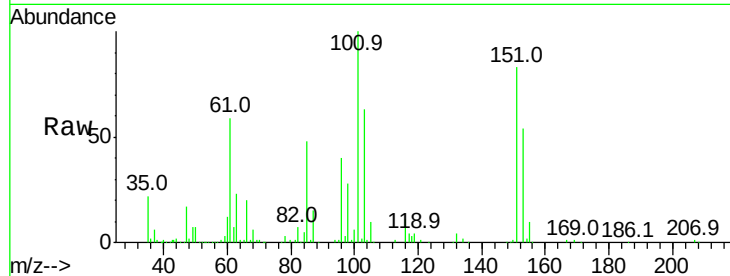
Tgt Ion:101 Resp: 150762

Ion Ratio Lower Upper

101 100

85 45.0 33.4 50.2

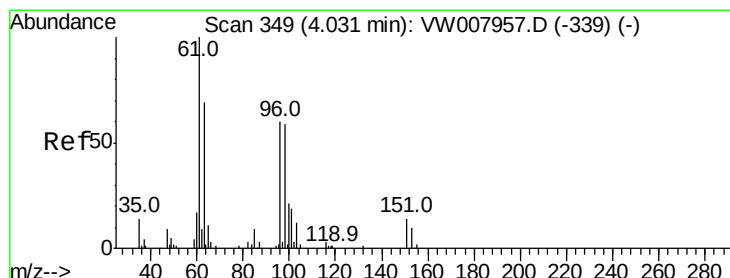
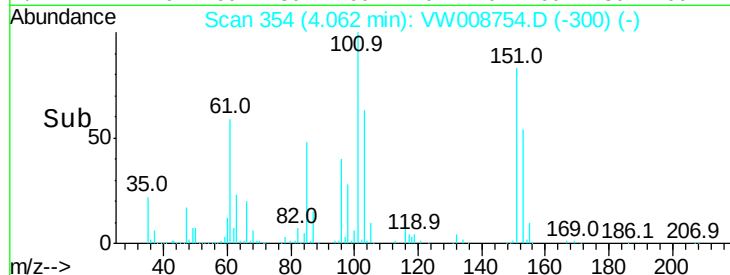
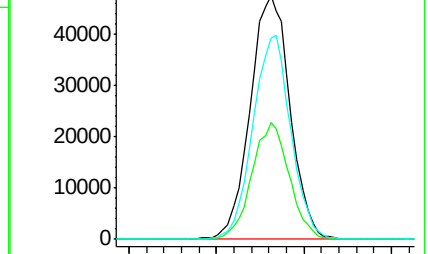
151 79.9 63.2 94.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 27.078 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.01 min

Lab File: VW008754.D

Acq: 20 Feb 2019 12:06

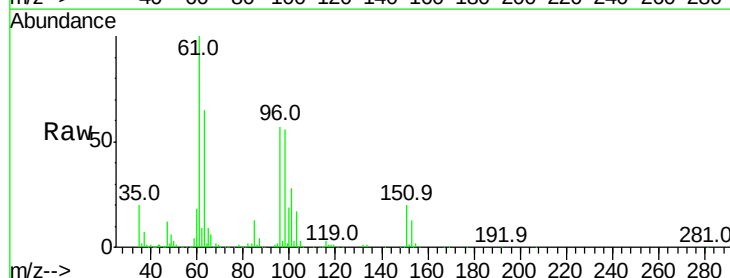
Tgt Ion: 96 Resp: 132151

Ion Ratio Lower Upper

96 100

61 175.0 120.3 223.3

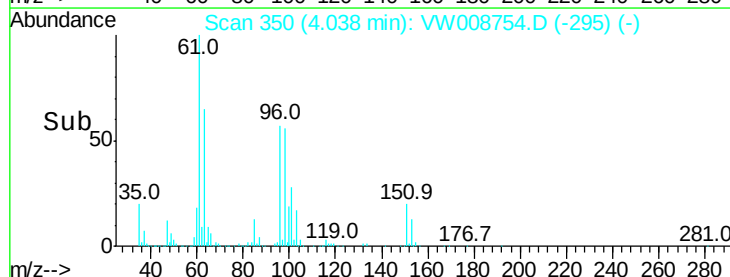
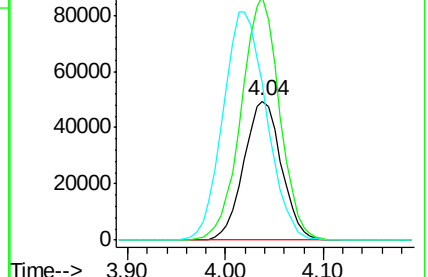
63 113.4 91.6 170.0

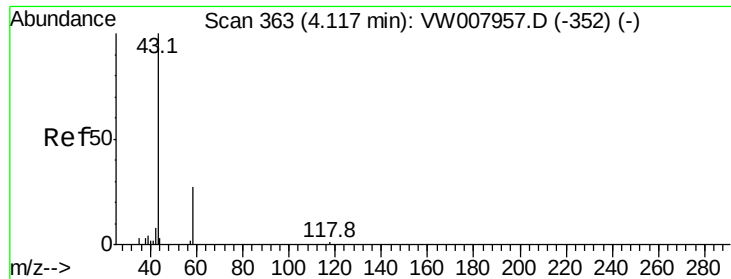


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 56.766 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.02 min

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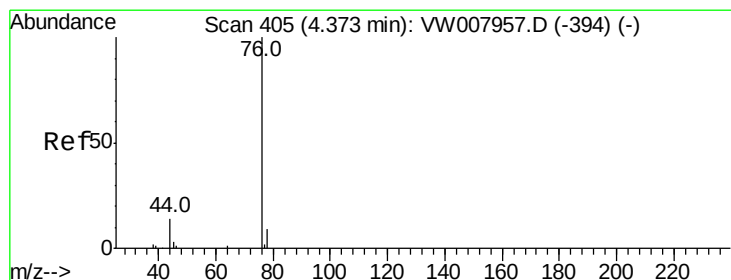
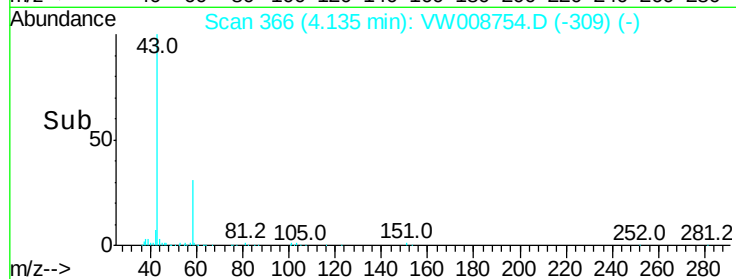
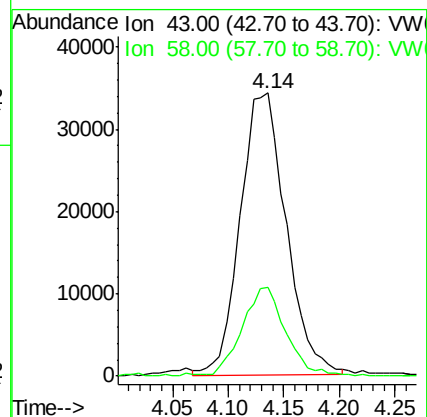
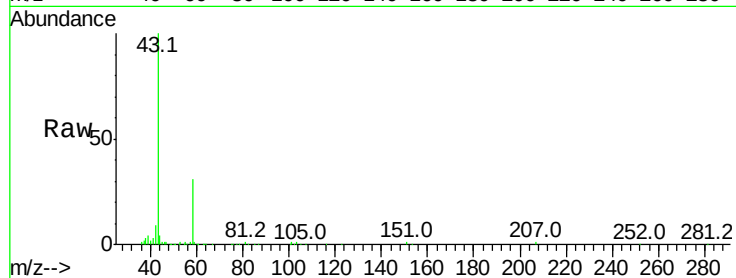
VSTD02503

Tgt Ion: 43 Resp: 98412

Ion Ratio Lower Upper

43 100

58 29.7 0.0 58.6



#14

Carbon disulfide

Concen: 31.184 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW008754.D

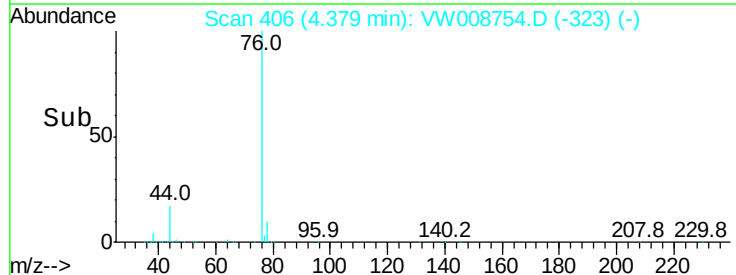
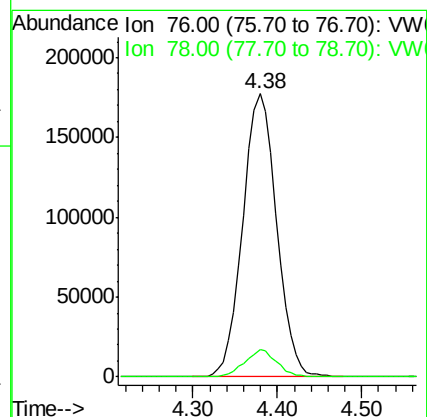
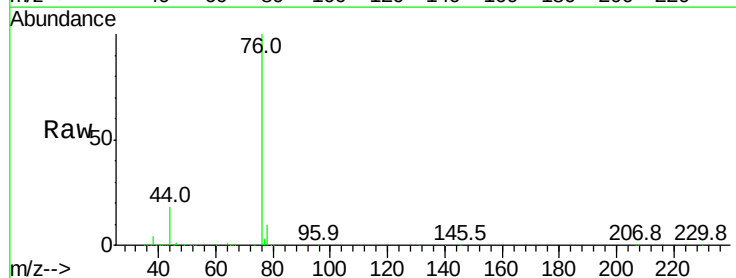
Acq: 20 Feb 2019 12:06

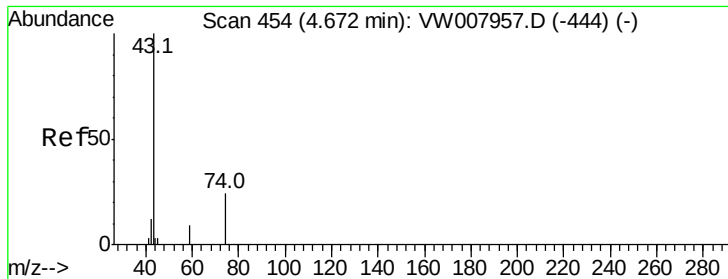
Tgt Ion: 76 Resp: 482038

Ion Ratio Lower Upper

76 100

78 9.7 7.5 11.3

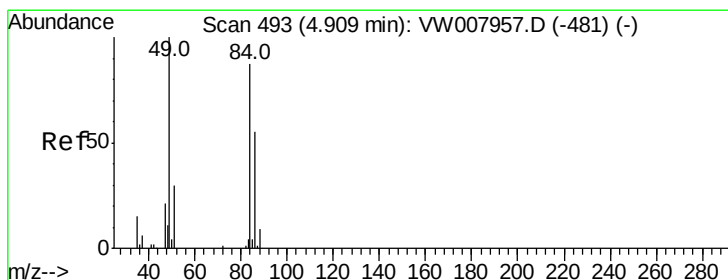
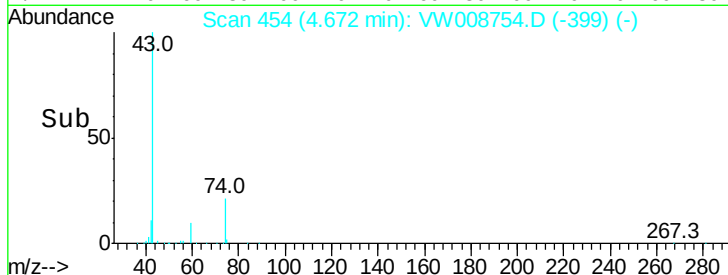
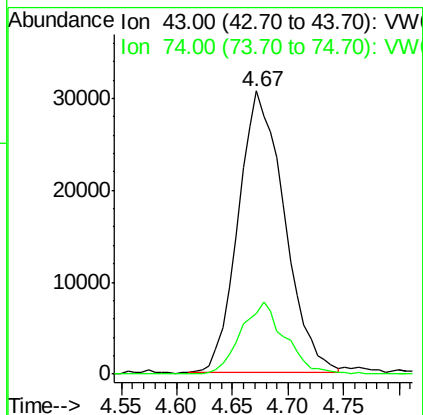
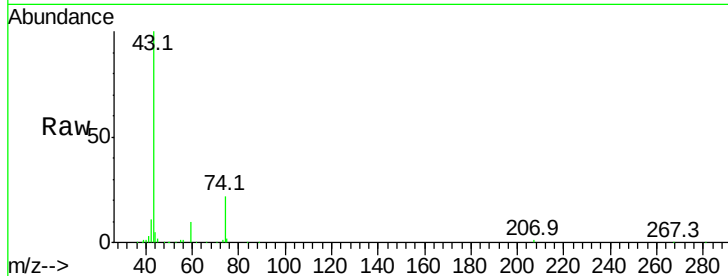




#15
Methyl Acetate
Concen: 33.629 ug/L
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW008754.D
Acq: 20 Feb 2019 12:06

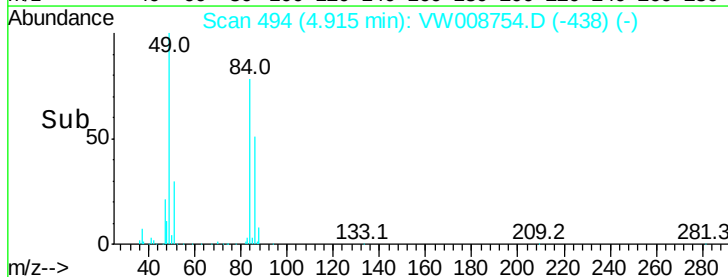
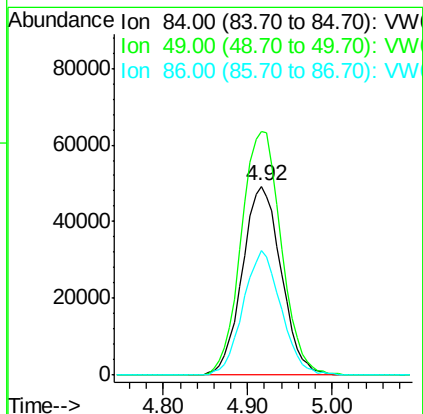
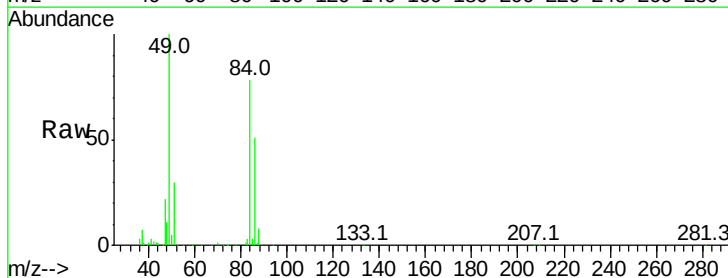
Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

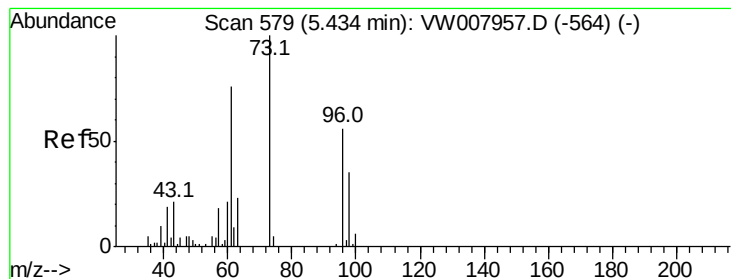
Tgt Ion: 43 Resp: 88716
Ion Ratio Lower Upper
43 100
74 24.4 20.2 30.2



#16
Methylene chloride
Concen: 22.679 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.01 min
Lab File: VW008754.D
Acq: 20 Feb 2019 12:06

Tgt Ion: 84 Resp: 154935
Ion Ratio Lower Upper
84 100
49 128.8 79.2 147.0
86 65.7 43.2 80.2





#17

Methyl tert-butyl Ether

Concen: 42.276 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW008754.D

Acq: 20 Feb 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

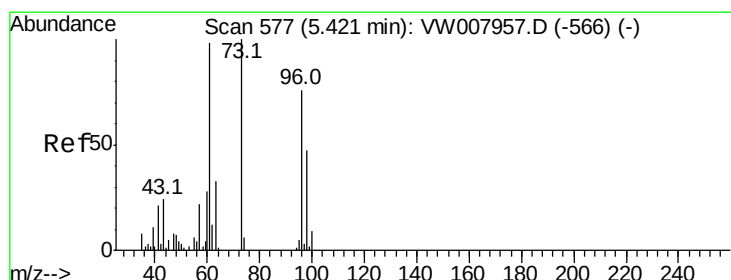
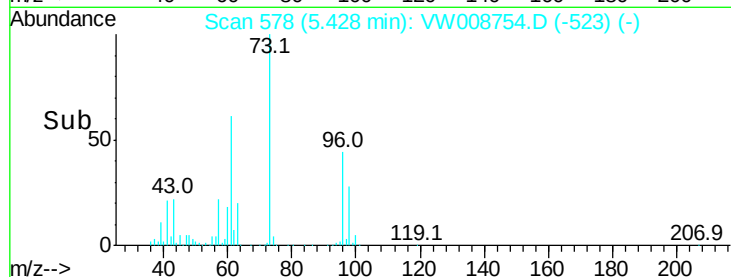
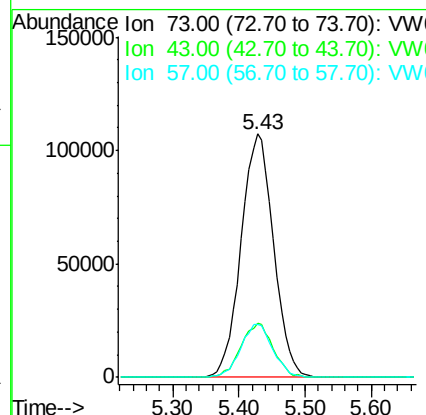
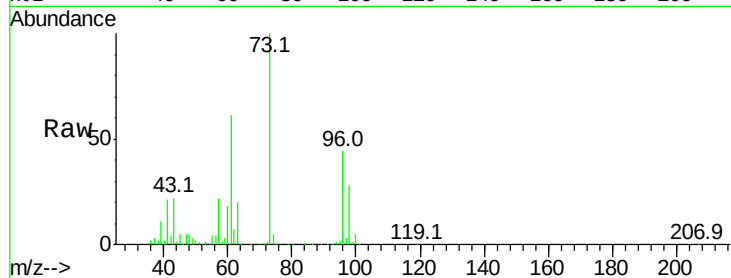
Tgt Ion: 73 Resp: 366721

Ion Ratio Lower Upper

73 100

43 22.3 18.5 27.7

57 21.5 16.4 24.6



#18

trans-1,2-Dichloroethene

Concen: 27.252 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW008754.D

Acq: 20 Feb 2019 12:06

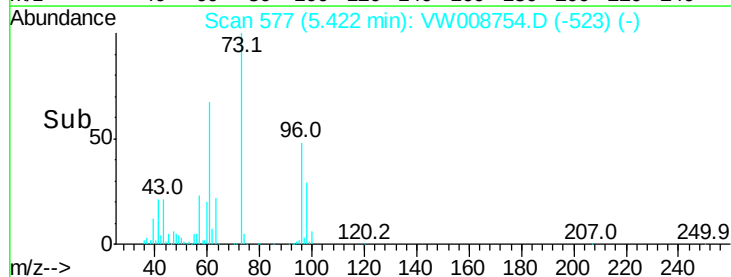
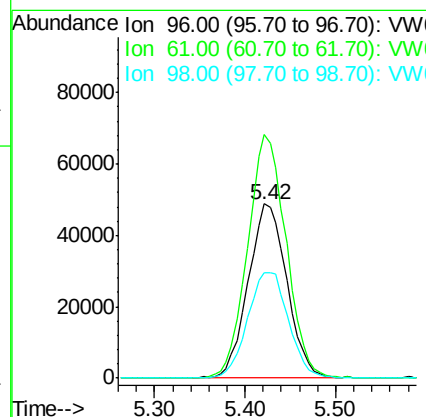
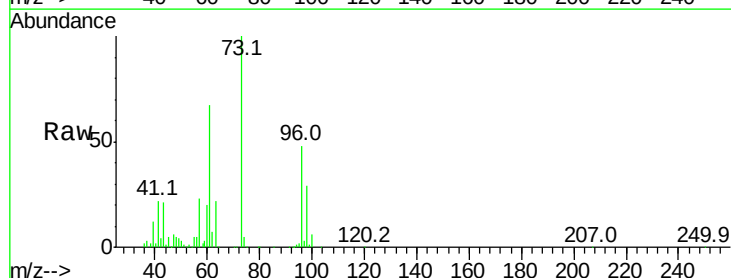
Tgt Ion: 96 Resp: 144271

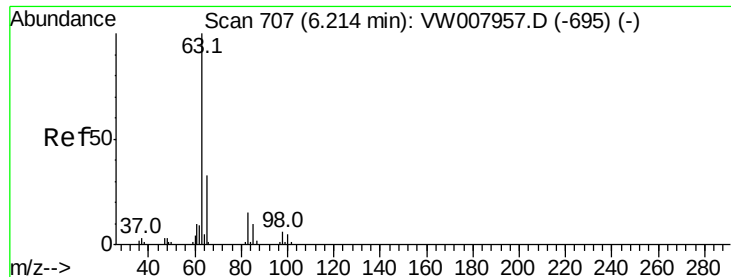
Ion Ratio Lower Upper

96 100

61 139.8 91.4 169.8

98 60.8 48.0 89.2

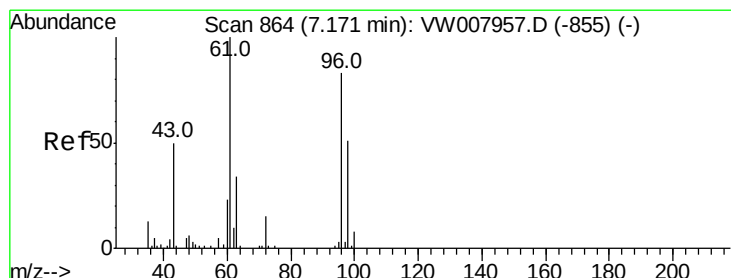
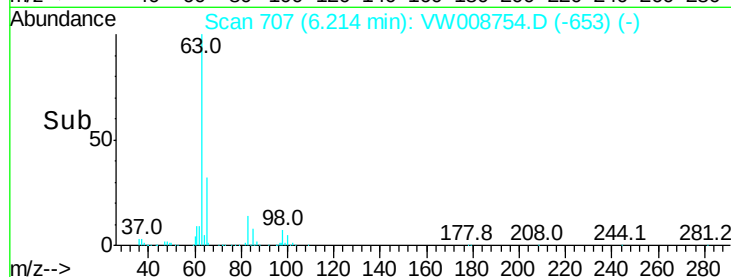
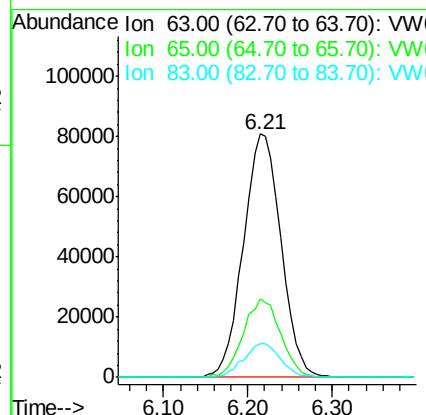
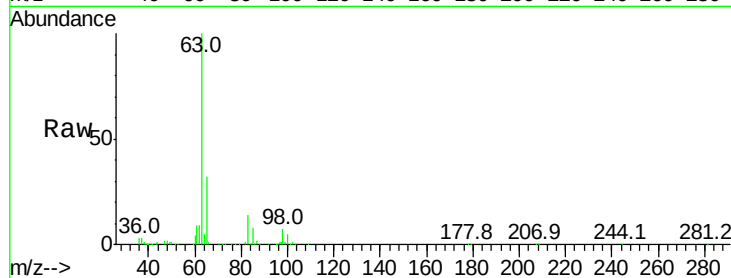




#19
 1,1-Dichloroethane
 Concen: 27.805 ug/L
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW008754.D
 Acq: 20 Feb 2019 12:06

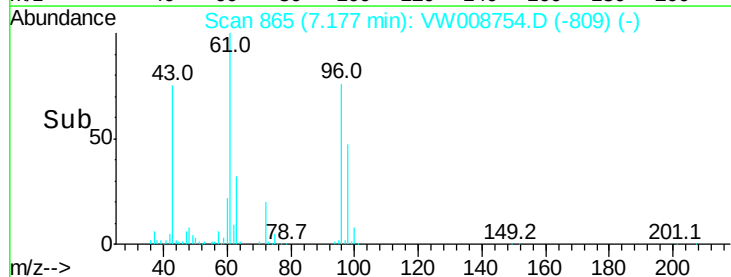
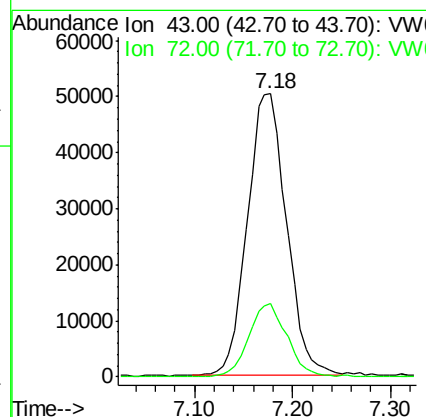
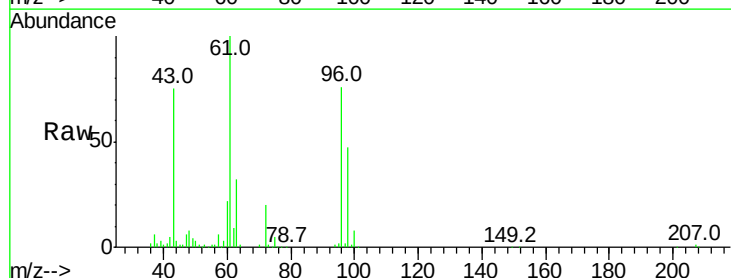
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02503

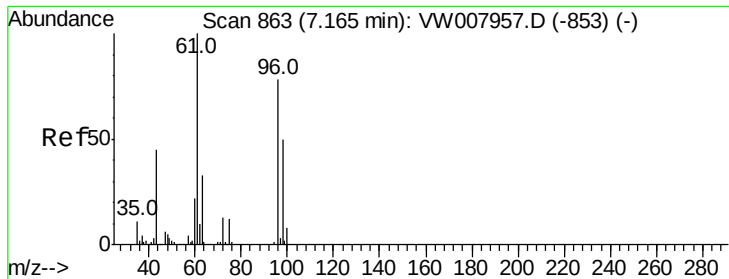
Tgt Ion: 63 Resp: 244886
 Ion Ratio Lower Upper
 63 100
 65 32.4 20.6 38.4
 83 13.8 10.0 18.6



#21
 2-Butanone
 Concen: 70.609 ug/L
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW008754.D
 Acq: 20 Feb 2019 12:06

Tgt Ion: 43 Resp: 139288
 Ion Ratio Lower Upper
 43 100
 72 25.4 14.4 43.4



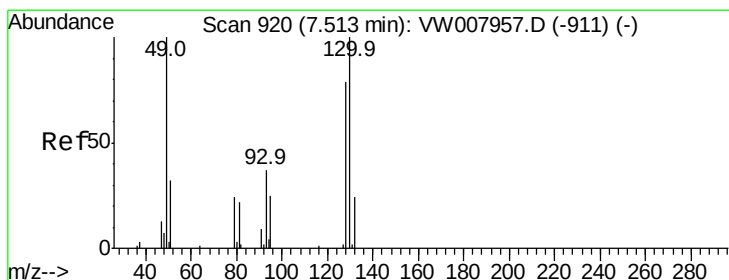
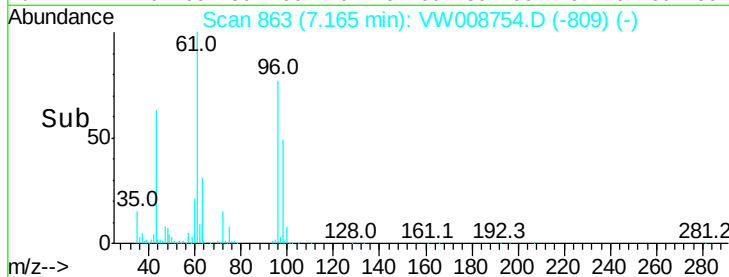
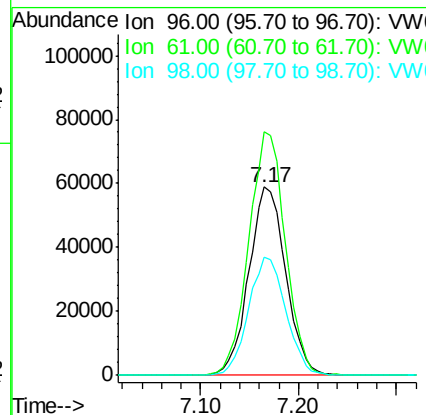
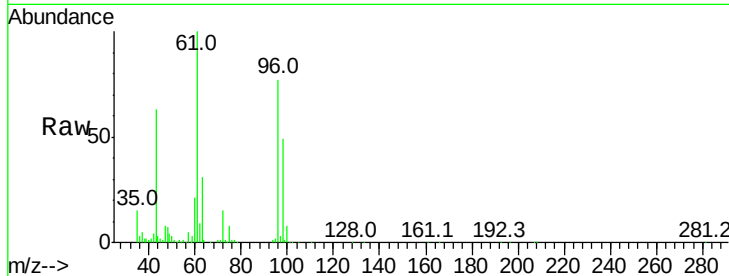


#22

cis-1,2-Dichloroethene
Concen: 27.230 ug/L
RT: 7.17 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW008754.D
Acq: 20 Feb 2019 12:06

Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

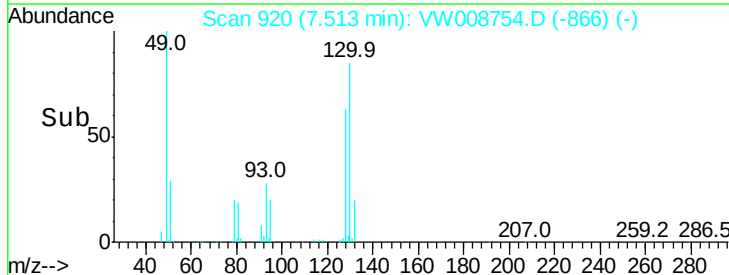
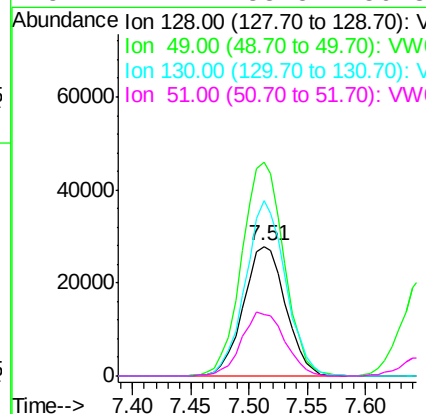
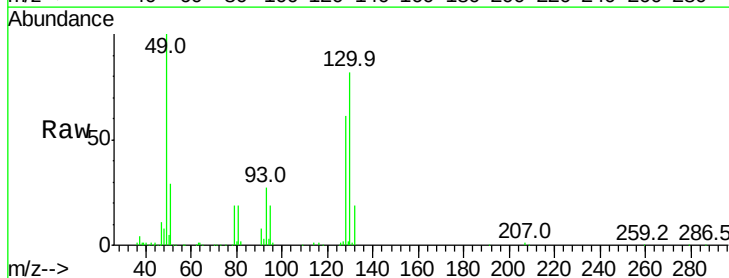
Tgt Ion: 96 Resp: 154467
Ion Ratio Lower Upper
96 100
61 129.2 83.4 155.0
98 62.8 42.3 78.5

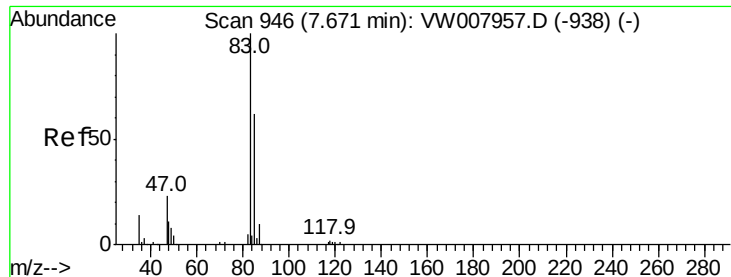


#23

Bromochloromethane
Concen: 27.622 ug/L
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW008754.D
Acq: 20 Feb 2019 12:06

Tgt Ion: 128 Resp: 70549
Ion Ratio Lower Upper
128 100
49 165.2 96.9 180.1
130 135.2 86.2 160.0
51 47.4 33.5 50.3





#25

Chloroform

Concen: 26.004 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.01 min

Lab File: VW008754.D

Acq: 20 Feb 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

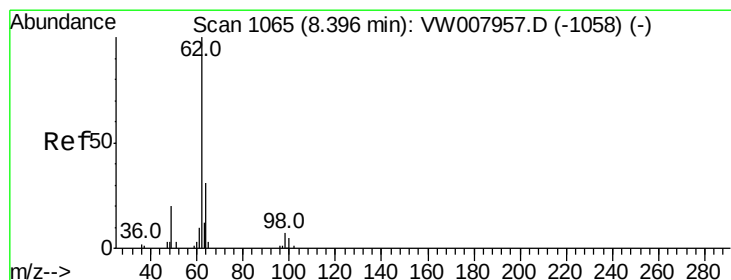
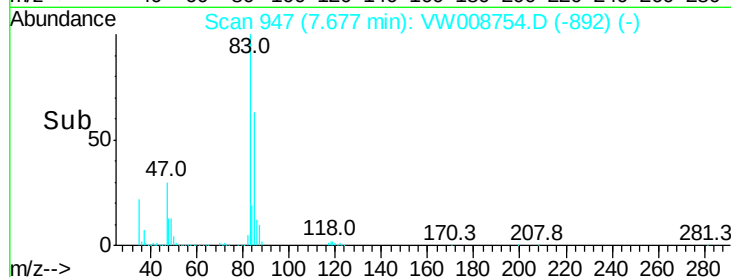
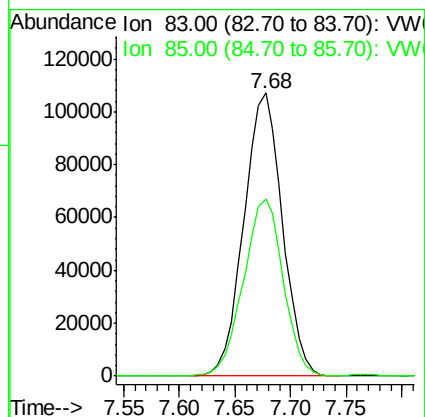
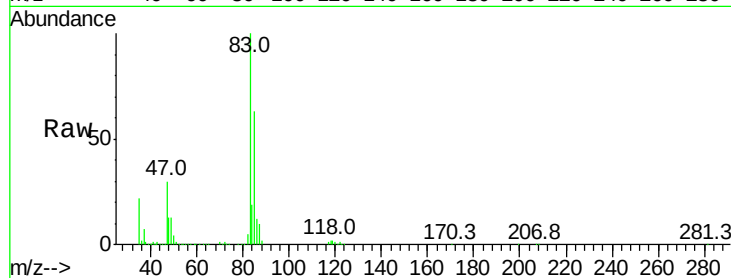
VSTD02503

Tgt Ion: 83 Resp: 257939

Ion Ratio Lower Upper

83 100

85 64.7 45.8 85.2



#27

1,2-Dichloroethane

Concen: 25.286 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VW008754.D

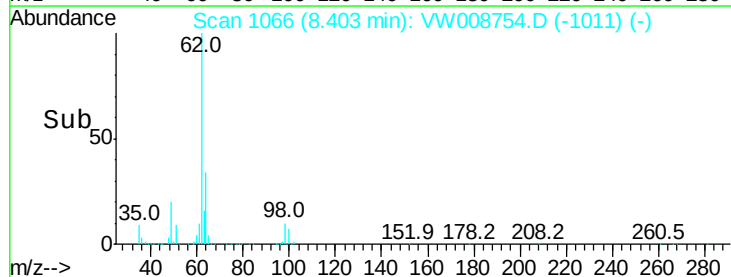
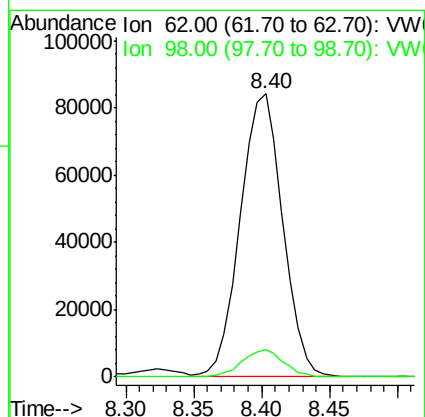
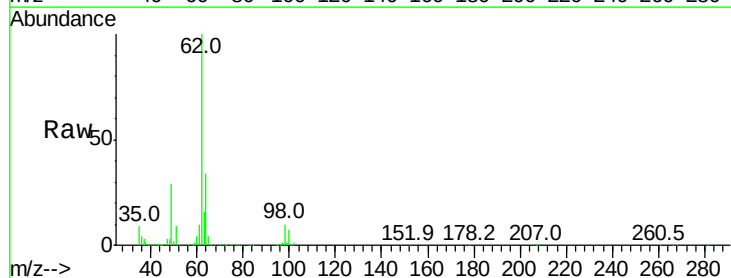
Acq: 20 Feb 2019 12:06

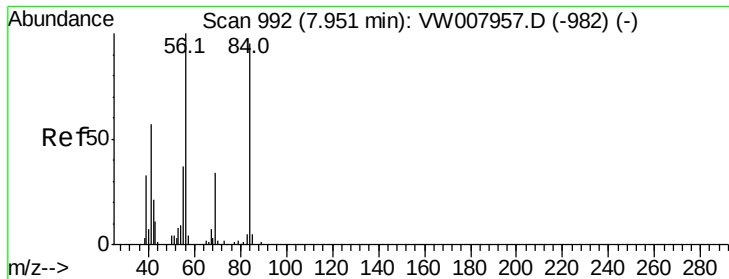
Tgt Ion: 62 Resp: 183953

Ion Ratio Lower Upper

62 100

98 9.8 5.4 8.2#

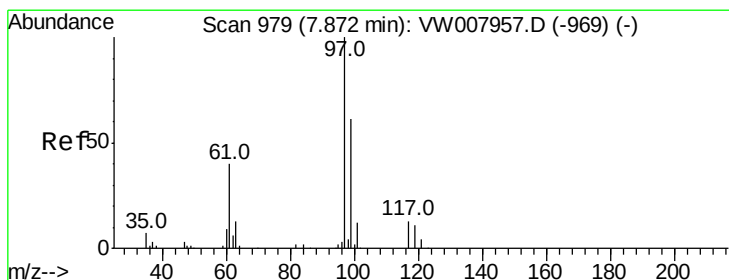
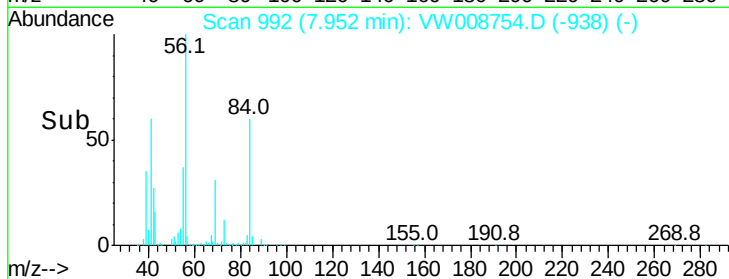
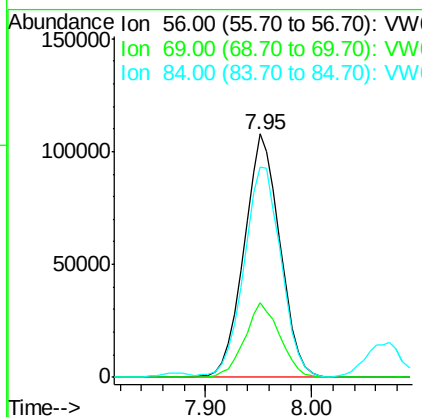
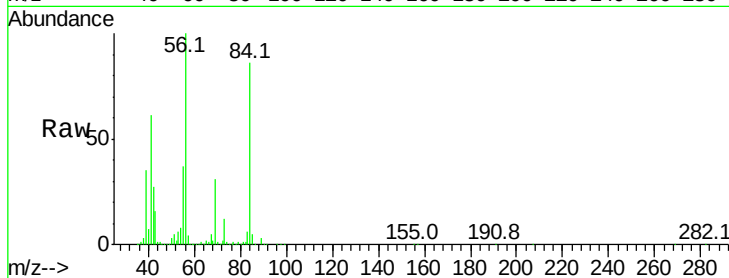




#30
Cyclohexane
Concen: 28.375 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW008754.D
Acq: 20 Feb 2019 12:06

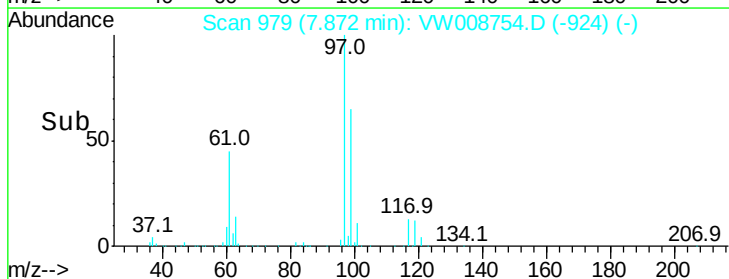
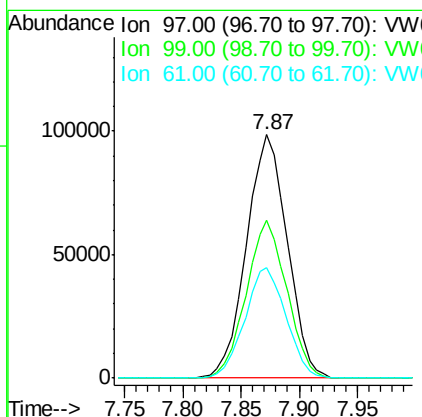
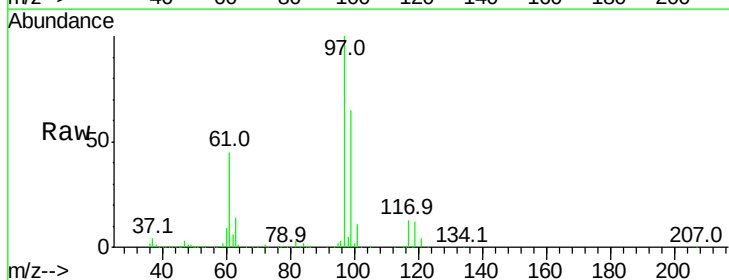
Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

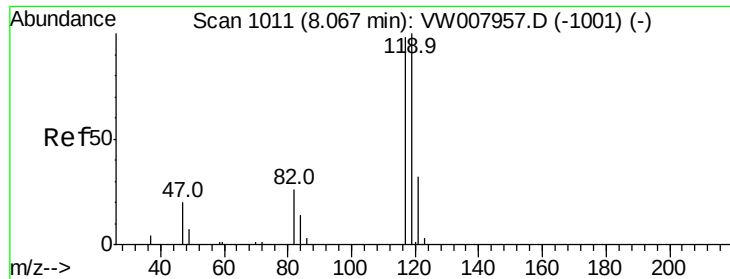
Tgt Ion: 56 Resp: 254143
Ion Ratio Lower Upper
56 100
69 30.1 26.2 39.4
84 89.6 74.3 111.5



#31
1,1,1-Trichloroethane
Concen: 24.584 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW008754.D
Acq: 20 Feb 2019 12:06

Tgt Ion: 97 Resp: 239956
Ion Ratio Lower Upper
97 100
99 64.3 52.3 78.5
61 45.8 33.5 50.3





#32

Carbon tetrachloride

Concen: 23.801 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW008754.D

Acq: 20 Feb 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

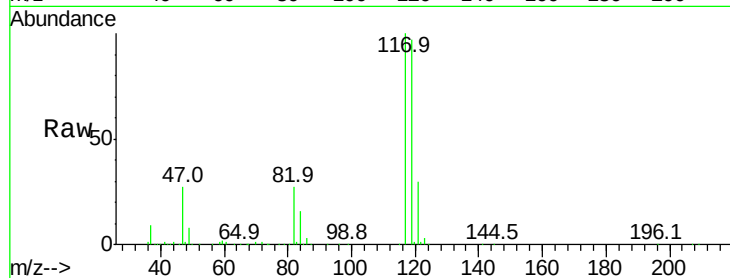
VSTD02503

Tgt Ion:117 Resp: 223039

Ion Ratio Lower Upper

117 100

119 95.0 76.0 114.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

100000

80000

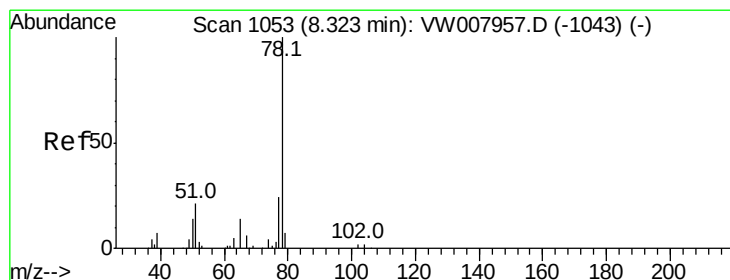
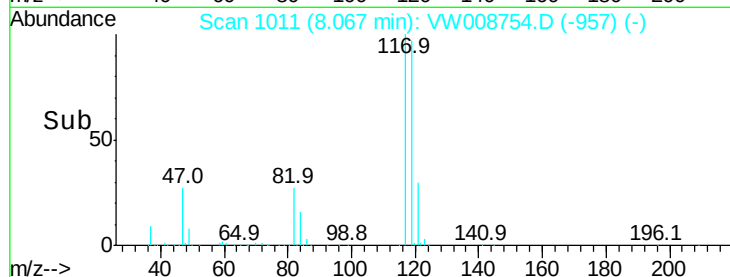
60000

40000

20000

0

Time-->



#34

Benzene

Concen: 26.290 ug/L

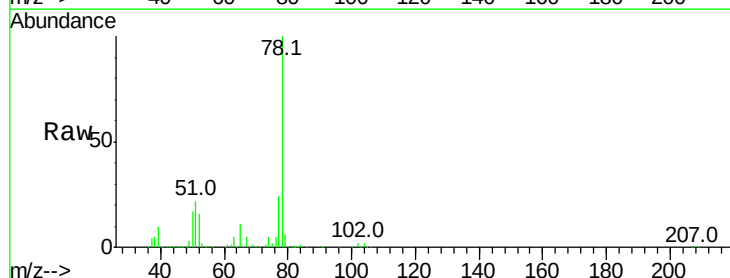
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW008754.D

Acq: 20 Feb 2019 12:06

Tgt Ion: 78 Resp: 572742



Abundance Ion 78.00 (77.70 to 78.70): VW

300000

250000

200000

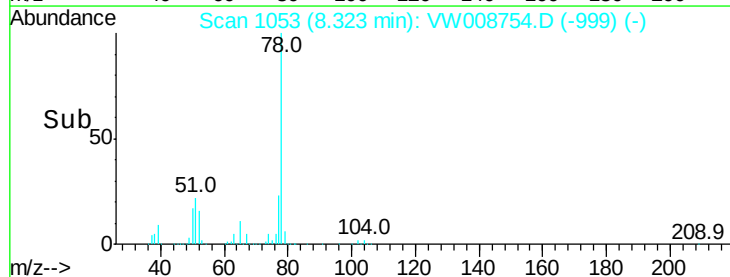
150000

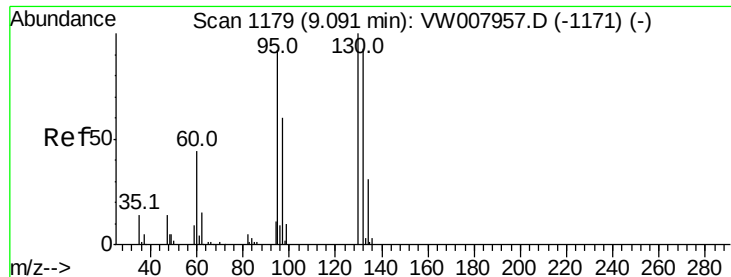
100000

50000

0

Time-->





#35

Trichloroethene

Concen: 24.184 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW008754.D

Acq: 20 Feb 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

Tgt Ion: 95 Resp: 153069

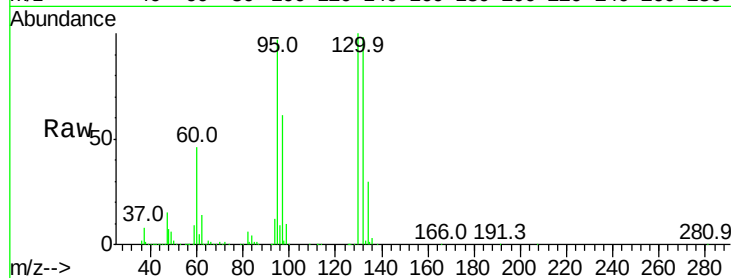
Ion Ratio Lower Upper

95 100

97 64.8 44.4 82.5

132 101.1 67.8 126.0

130 103.6 70.3 130.7

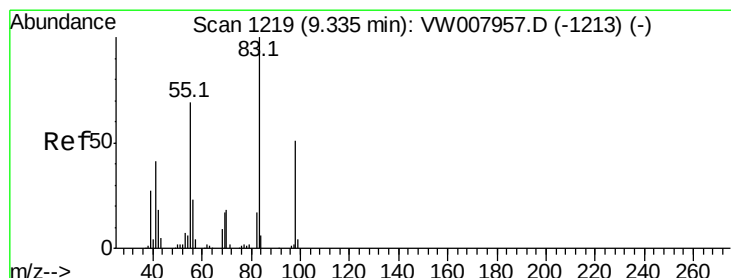
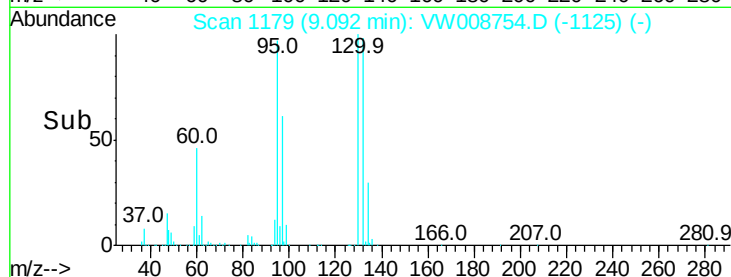
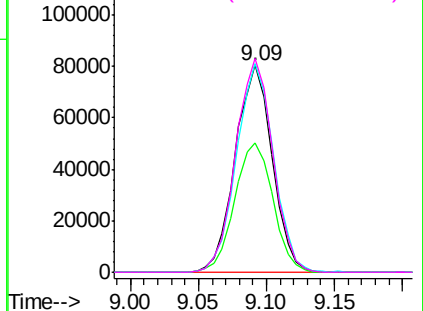


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 25.629 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW008754.D

Acq: 20 Feb 2019 12:06

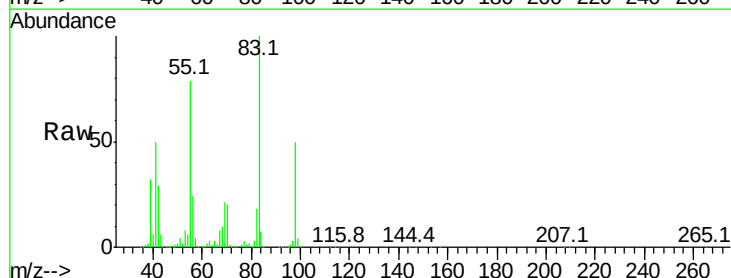
Tgt Ion: 83 Resp: 278176

Ion Ratio Lower Upper

83 100

55 77.9 59.4 89.0

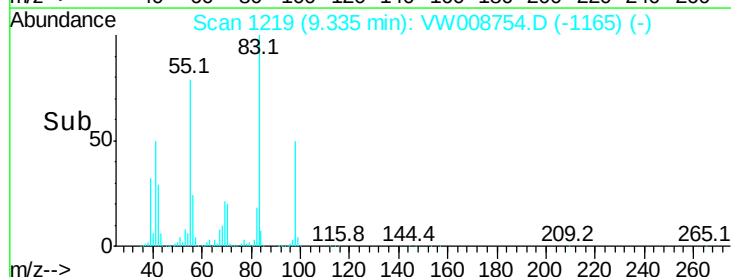
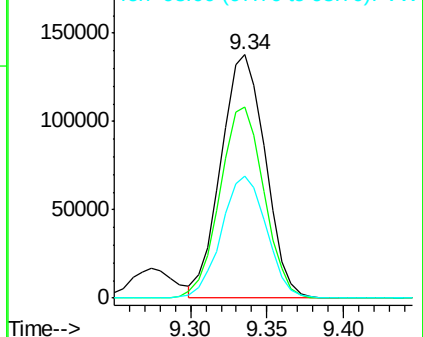
98 50.5 38.2 57.2

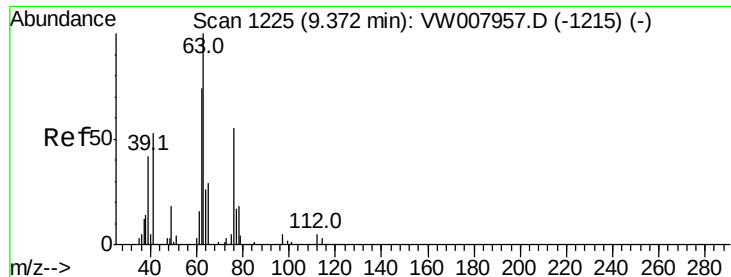


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW





#40

1,2-Dichloropropane

Concen: 27.133 ug/L

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW008754.D

Acq: 20 Feb 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

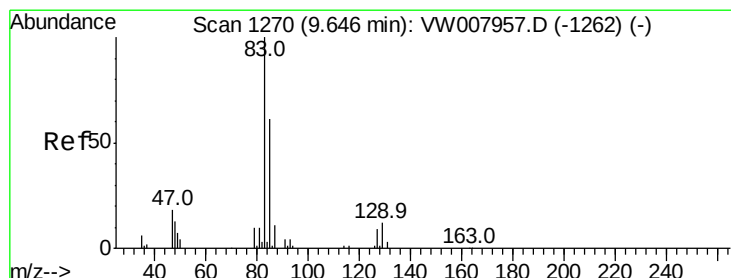
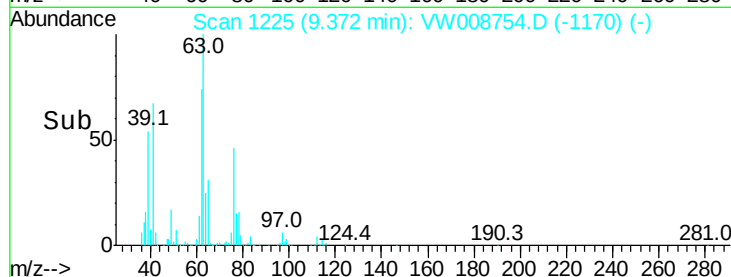
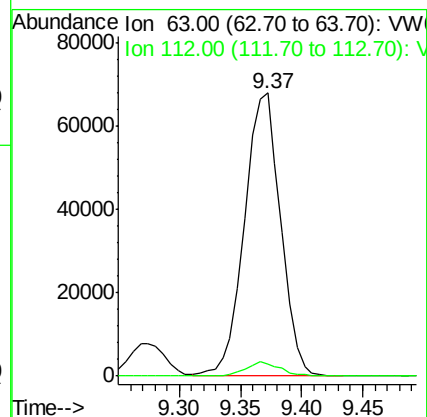
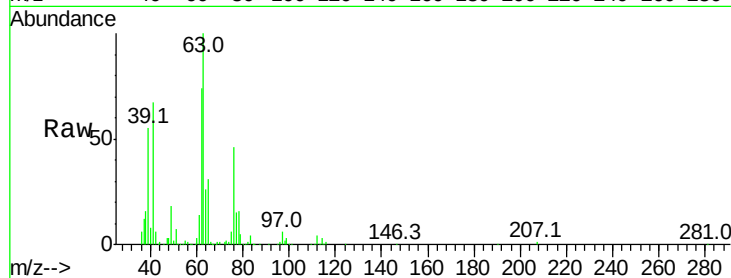
VSTD02503

Tgt Ion: 63 Resp: 138952

Ion Ratio Lower Upper

63 100

112 4.8 3.7 5.5



#41

Bromodichloromethane

Concen: 24.733 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW008754.D

Acq: 20 Feb 2019 12:06

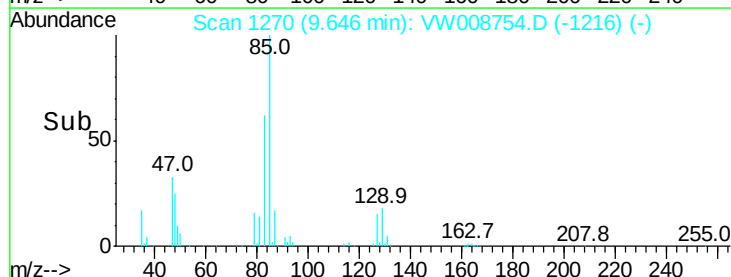
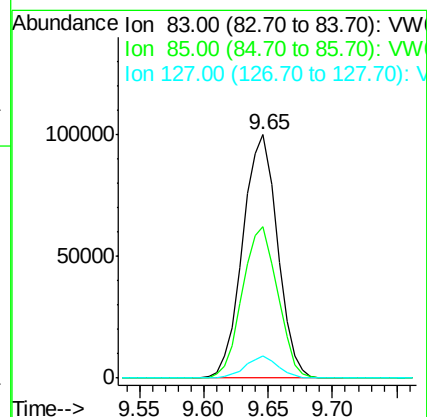
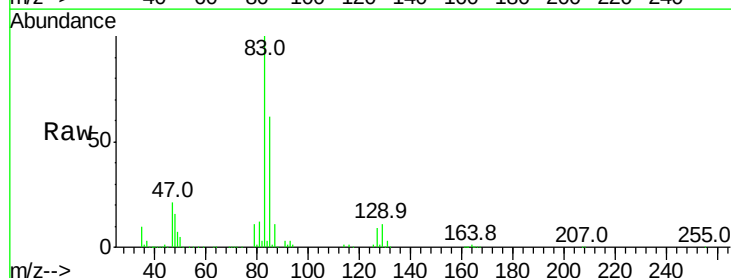
Tgt Ion: 83 Resp: 186280

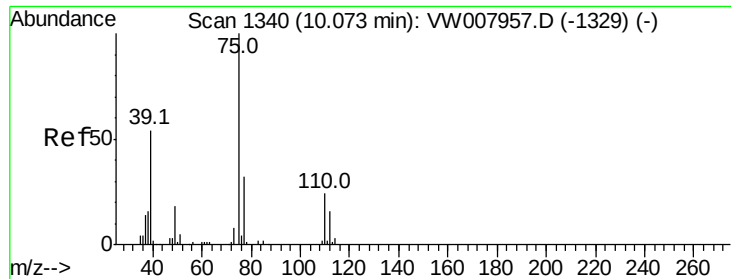
Ion Ratio Lower Upper

83 100

85 62.3 44.4 82.5

127 9.2 7.0 10.6





#42

cis-1,3-Dichloropropene

Concen: 25.406 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW008754.D

Acq: 20 Feb 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

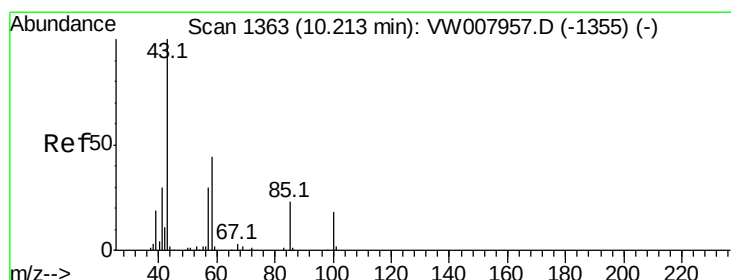
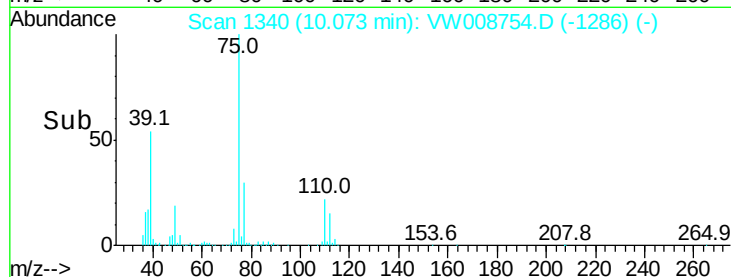
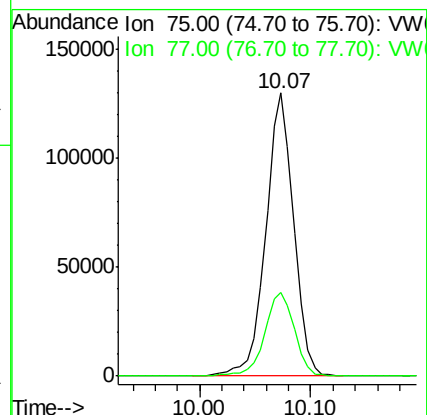
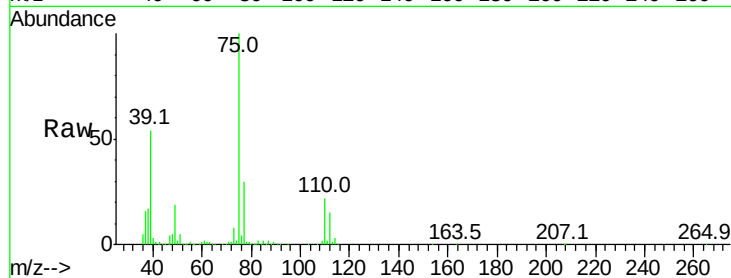
VSTD02503

Tgt Ion: 75 Resp: 227112

Ion Ratio Lower Upper

75 100

77 29.7 23.0 42.8



#43

4-Methyl-2-pentanone

Concen: 64.651 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW008754.D

Acq: 20 Feb 2019 12:06

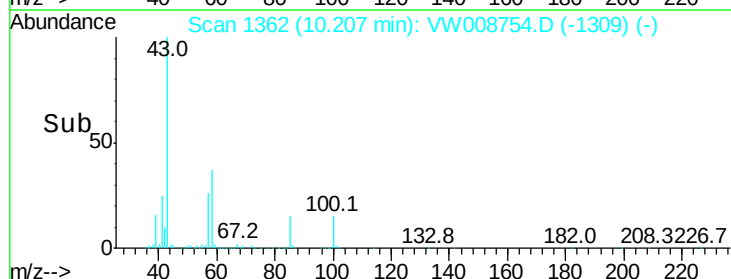
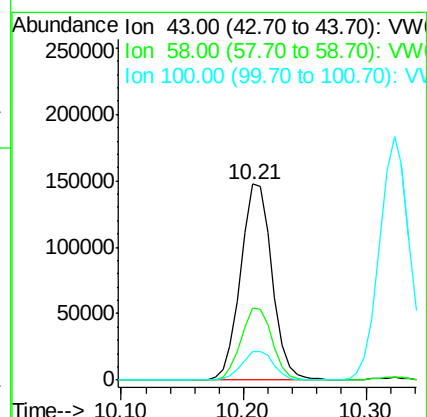
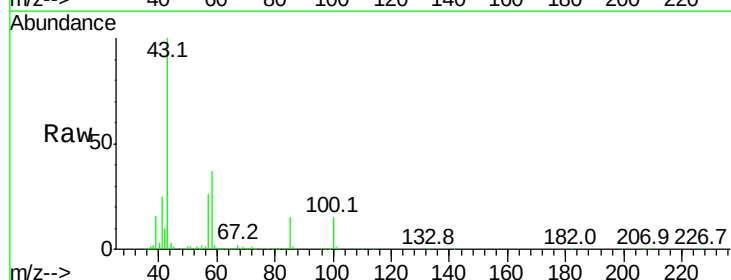
Tgt Ion: 43 Resp: 262041

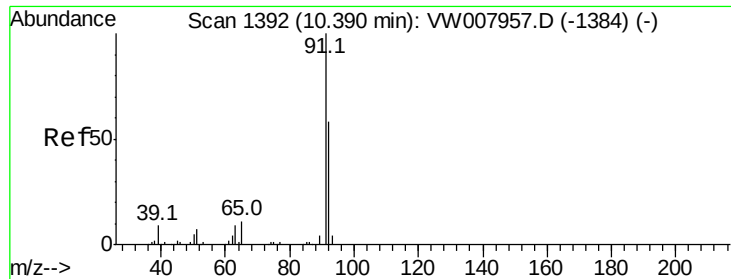
Ion Ratio Lower Upper

43 100

58 36.7 31.1 46.7

100 15.1 14.0 21.0





#44

Toluene

Concen: 27.517 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW008754.D

Acq: 20 Feb 2019 12:06

Instrument :

MSVOA_W

ClientSampled :

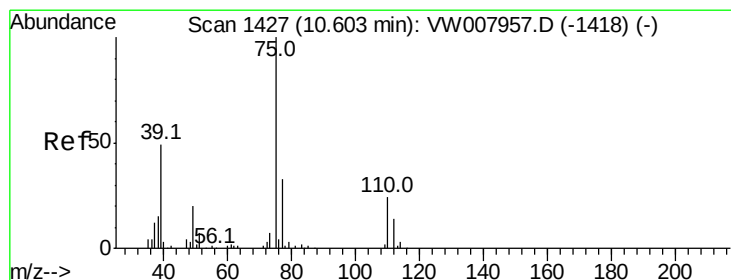
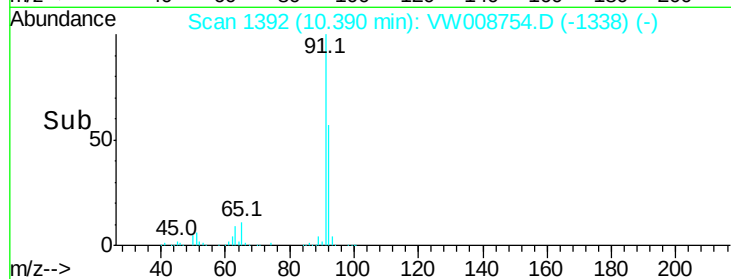
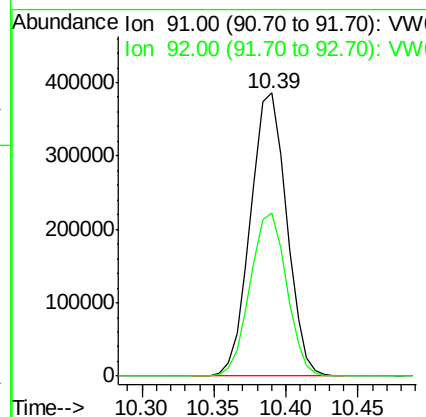
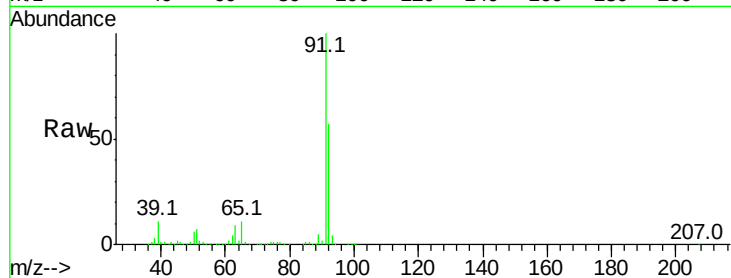
VSTD02503

Tgt Ion: 91 Resp: 670695

Ion Ratio Lower Upper

91 100

92 57.4 39.6 73.6



#45

trans-1,3-Dichloropropene

Concen: 24.475 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW008754.D

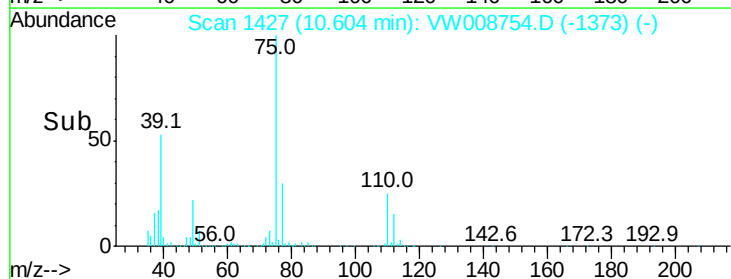
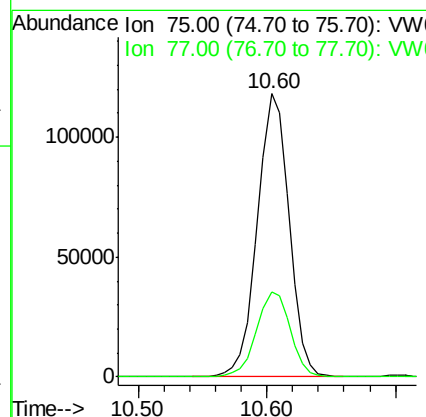
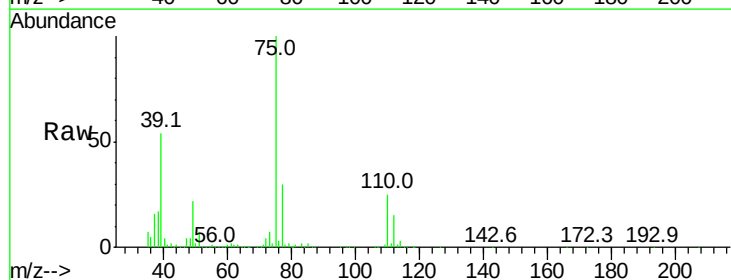
Acq: 20 Feb 2019 12:06

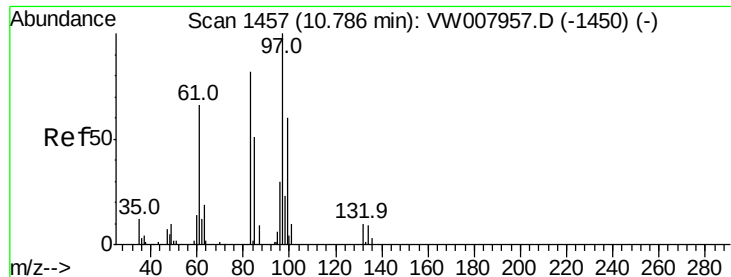
Tgt Ion: 75 Resp: 201599

Ion Ratio Lower Upper

75 100

77 30.2 21.1 39.3





#46

1,1,2-Trichloroethane

Concen: 26.364 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW008754.D

Acq: 20 Feb 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

Tgt Ion: 97 Resp: 114223

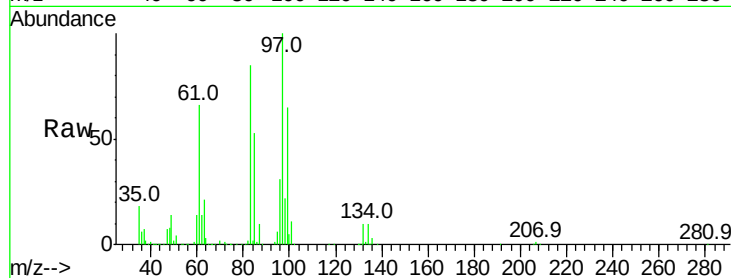
Ion Ratio Lower Upper

97 100

83 85.0 58.4 108.6

85 53.1 36.4 67.6

99 65.2 43.8 81.3

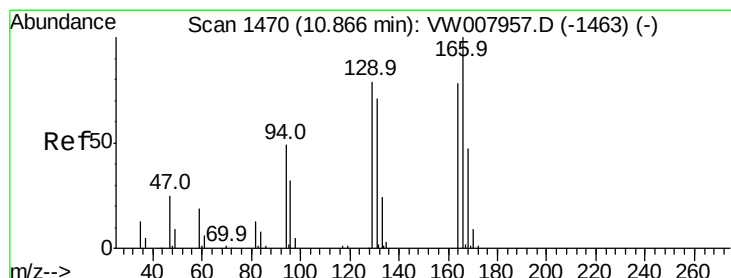
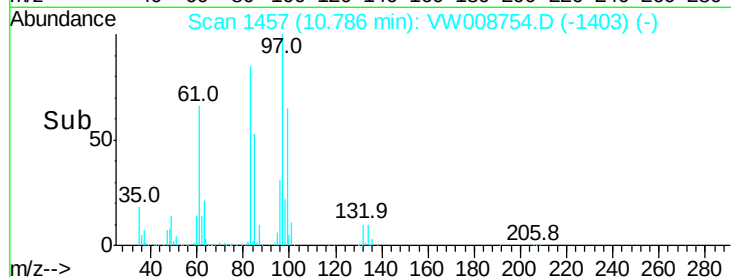
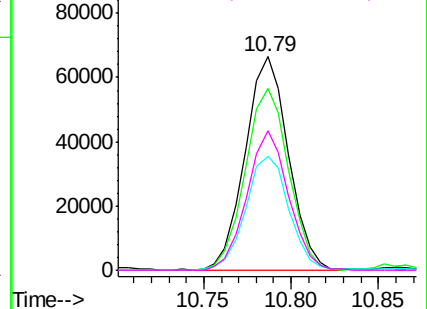


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 28.239 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW008754.D

Acq: 20 Feb 2019 12:06

Tgt Ion: 164 Resp: 142013

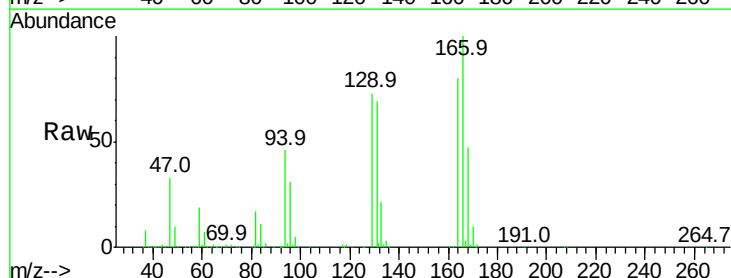
Ion Ratio Lower Upper

164 100

129 92.2 70.6 131.2

131 87.0 66.5 123.5

166 125.6 87.7 162.9

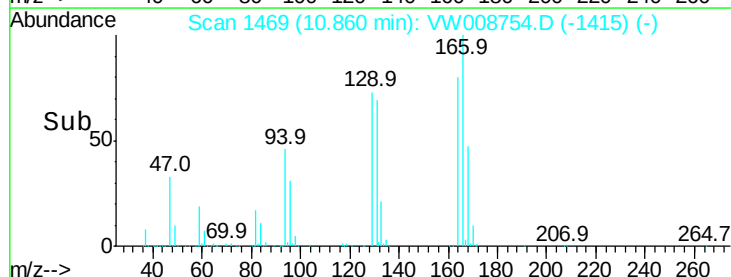
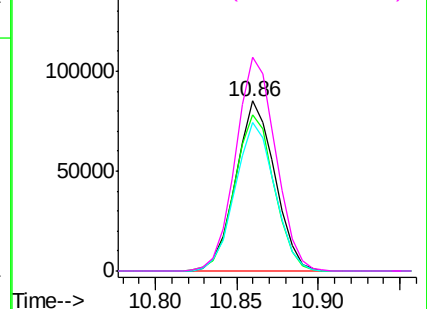


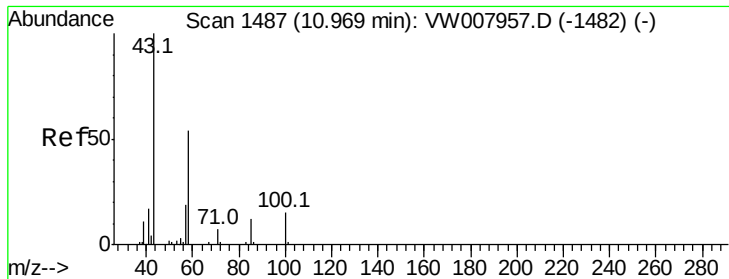
Abundance Ion 164.00 (163.70 to 164.70): V

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

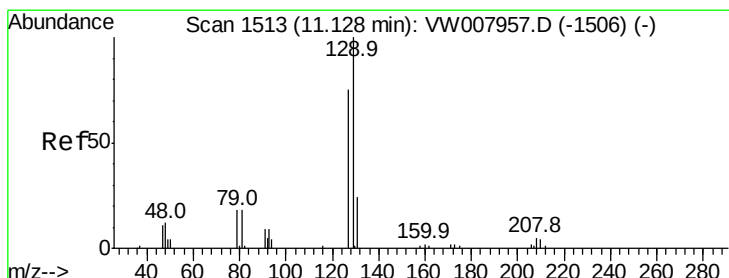
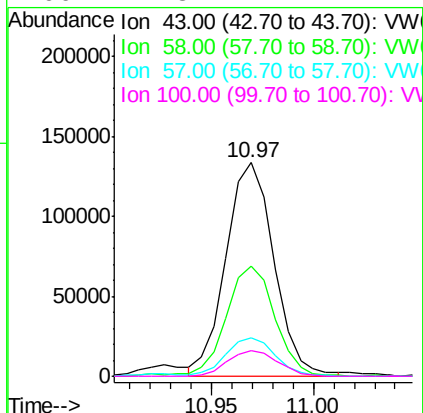
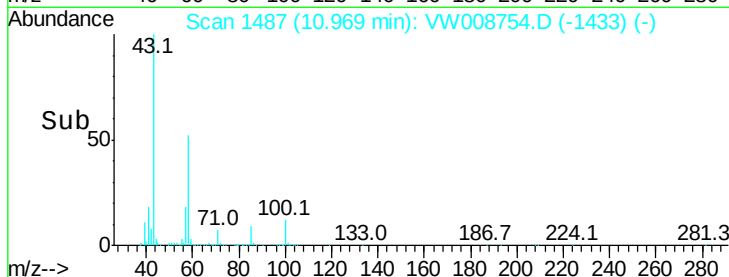
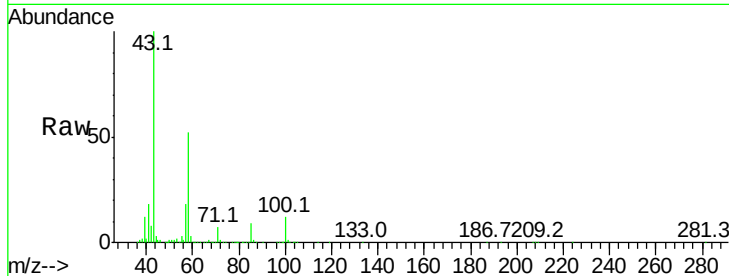




#49
2-Hexanone
Concen: 74.817 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008754.D
Acq: 20 Feb 2019 12:06

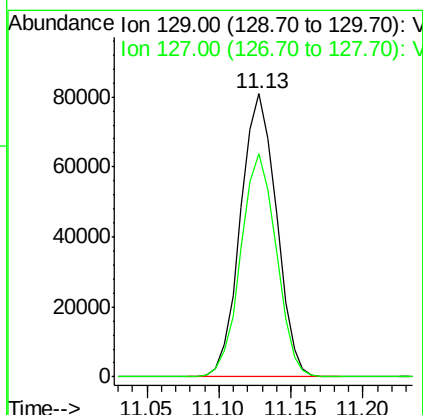
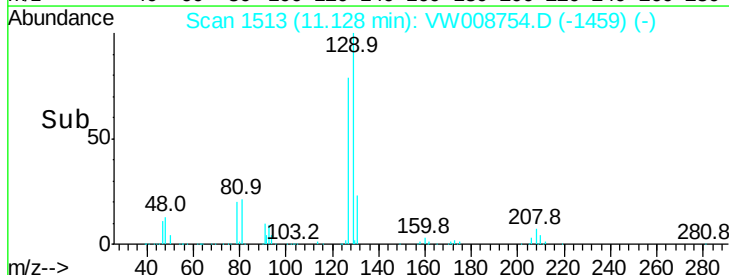
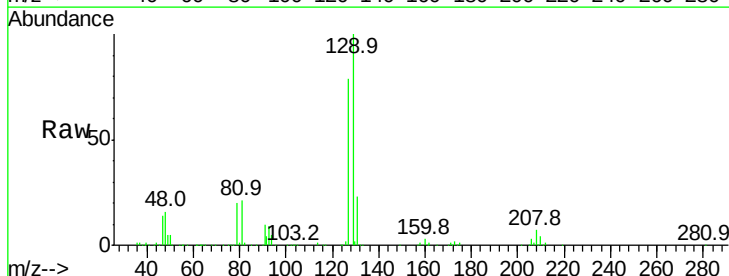
Instrument :
MSVOA_W
ClientSampleId :
VSTD02503

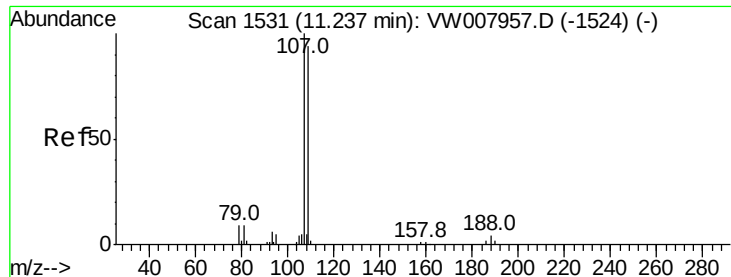
Tgt Ion:	43	Resp:	218782
Ion	Ratio	Lower	Upper
43	100		
58	52.6	46.2	69.4
57	18.6	17.9	26.9
100	12.3	11.4	17.2



#50
Dibromochloromethane
Concen: 25.358 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008754.D
Acq: 20 Feb 2019 12:06

Tgt Ion:	129	Resp:	139968
Ion	Ratio	Lower	Upper
129	100		
127	79.0	55.8	103.6





#51

1,2-Dibromoethane

Concen: 27.198 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW008754.D

Acq: 20 Feb 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

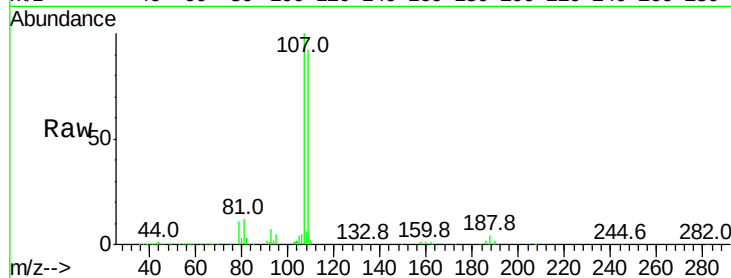
Tgt Ion:107 Resp: 120267

Ion Ratio Lower Upper

107 100

109 92.0 63.2 117.4

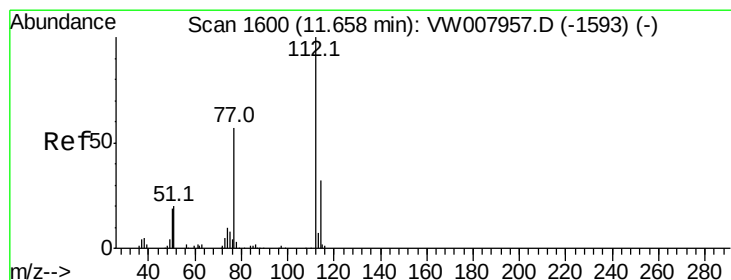
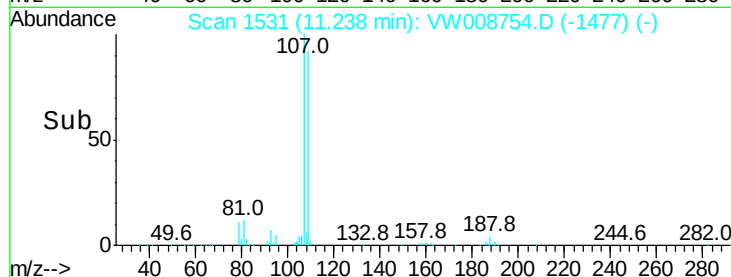
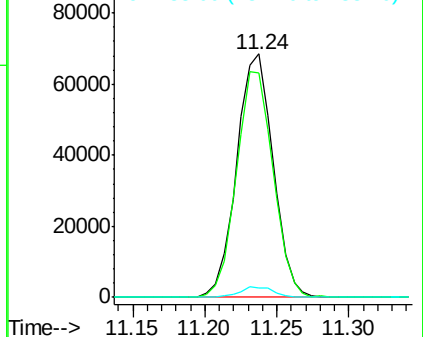
188 3.9 3.1 4.7



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: 27.835 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW008754.D

Acq: 20 Feb 2019 12:06

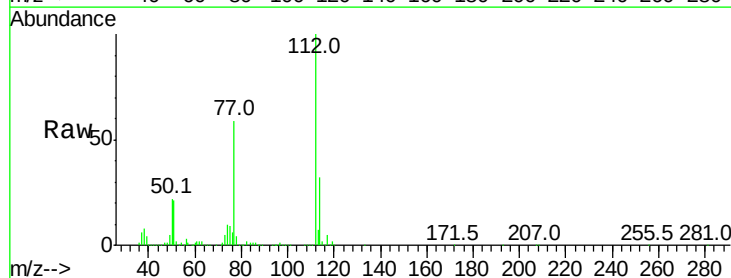
Tgt Ion:112 Resp: 441648

Ion Ratio Lower Upper

112 100

77 58.7 47.8 71.6

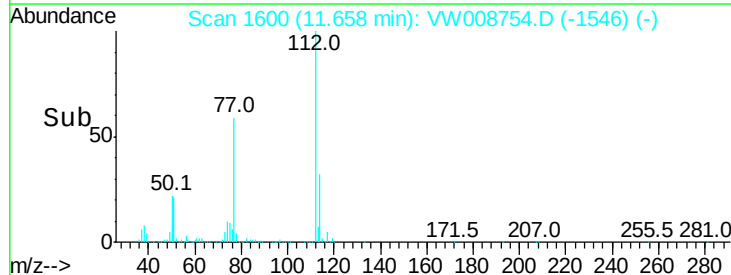
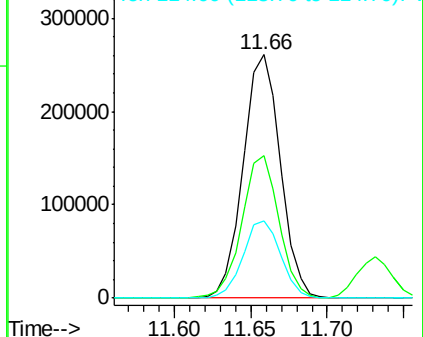
114 31.9 22.2 41.2

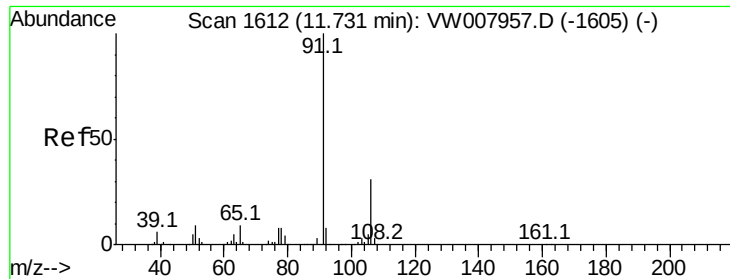


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V

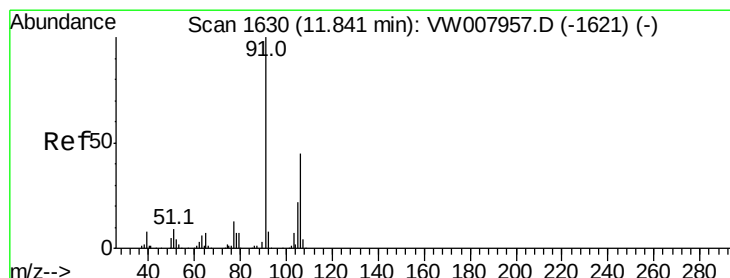
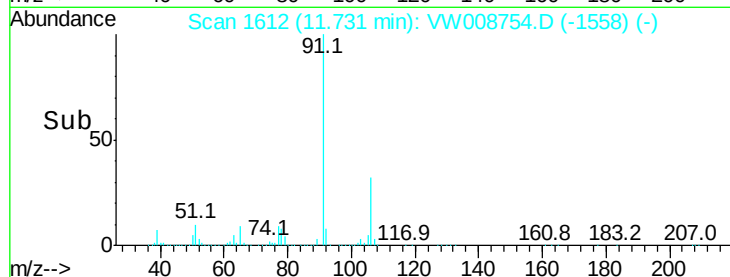
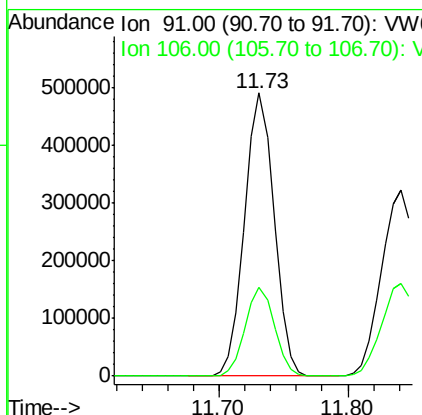
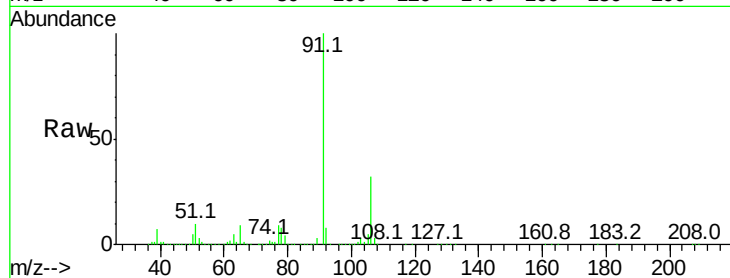




#53
Ethylbenzene
Concen: 27.893 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008754.D
Acq: 20 Feb 2019 12:06

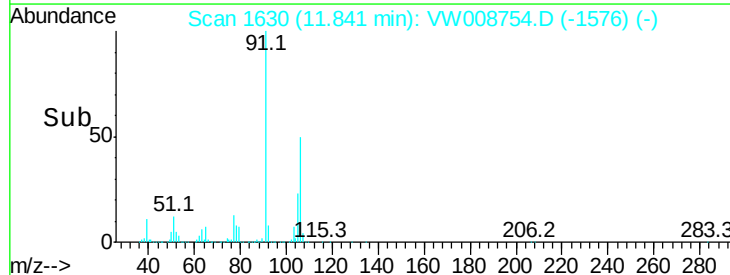
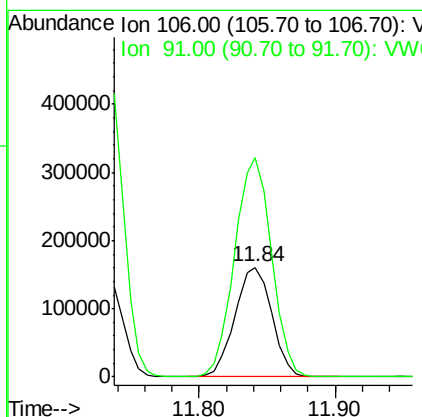
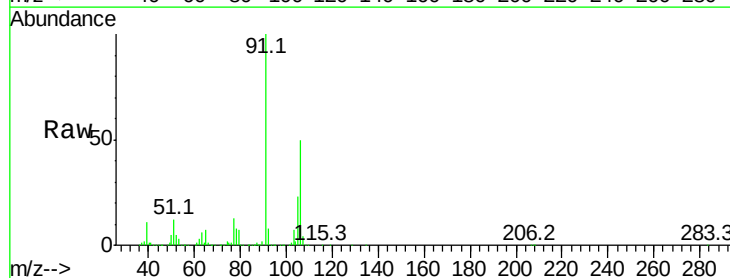
Instrument :
MSVOA_W
ClientSampled :
VSTD02503

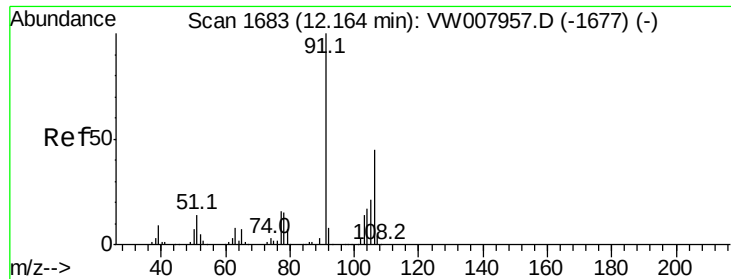
Tgt Ion: 91 Resp: 781124
Ion Ratio Lower Upper
91 100
106 31.5 21.5 39.9



#54
m,p-Xylene
Concen: 28.909 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008754.D
Acq: 20 Feb 2019 12:06

Tgt Ion: 106 Resp: 305009
Ion Ratio Lower Upper
106 100
91 200.2 147.8 274.4





#55

o-xylene

Concen: 28.475 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VW008754.D

Acq: 20 Feb 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

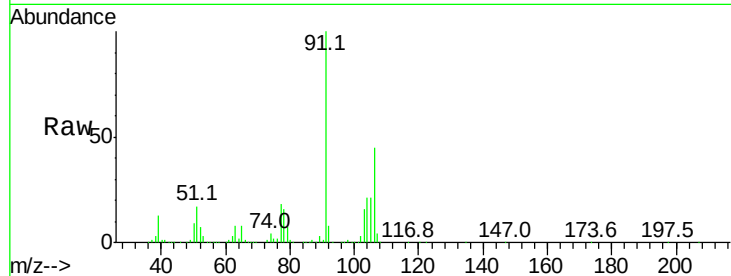
VSTD02503

Tgt Ion:106 Resp: 284927

Ion Ratio Lower Upper

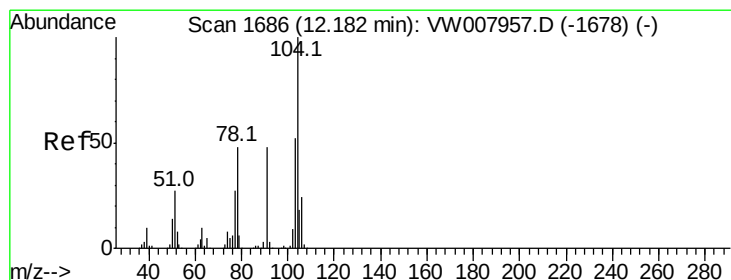
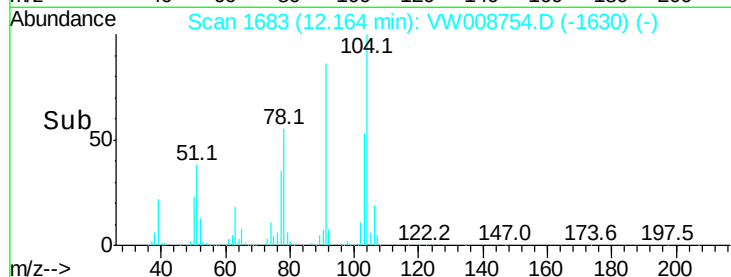
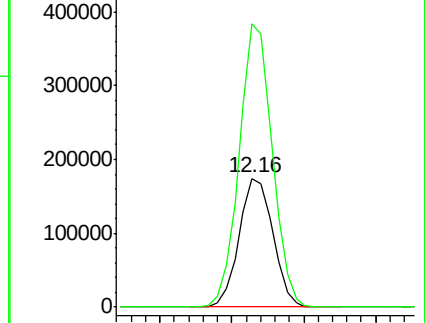
106 100

91 220.1 156.0 289.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 28.611 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW008754.D

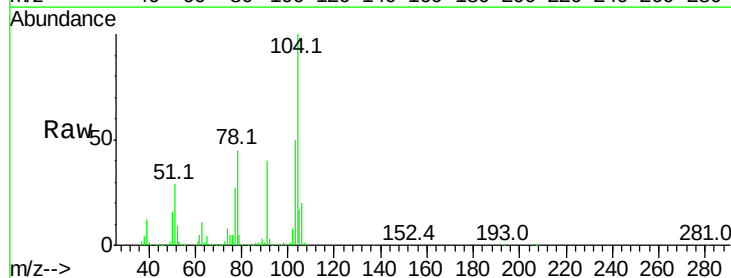
Acq: 20 Feb 2019 12:06

Tgt Ion:104 Resp: 485246

Ion Ratio Lower Upper

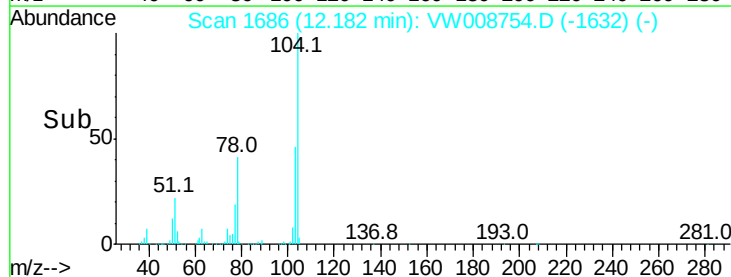
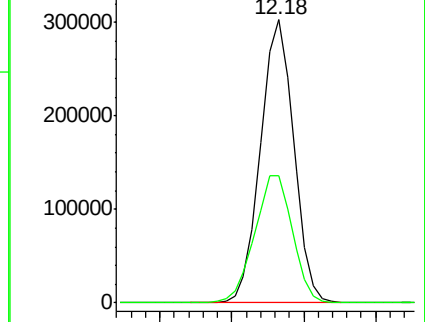
104 100

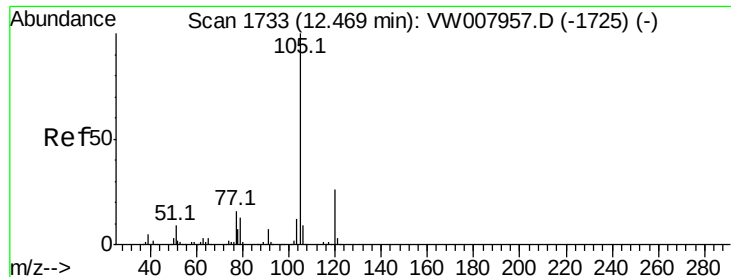
78 44.9 34.6 64.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 27.623 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW008754.D

Acq: 20 Feb 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

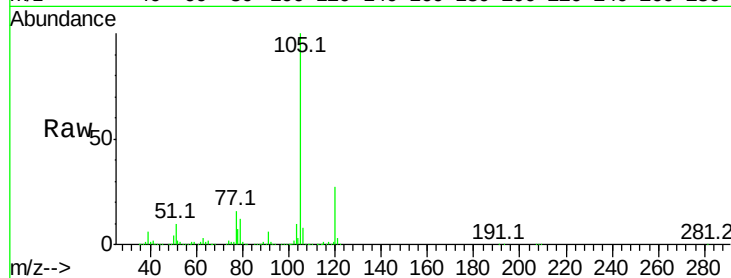
Tgt Ion: 105 Resp: 782976

Ion Ratio Lower Upper

105 100

120 26.4 21.1 31.7

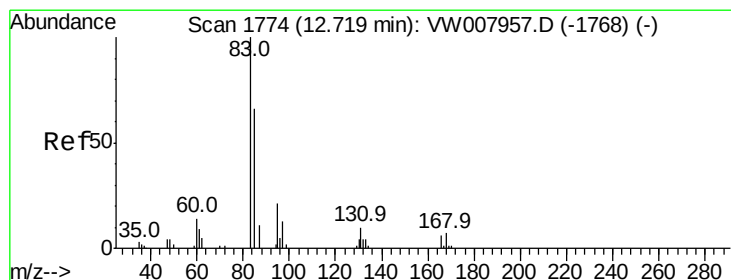
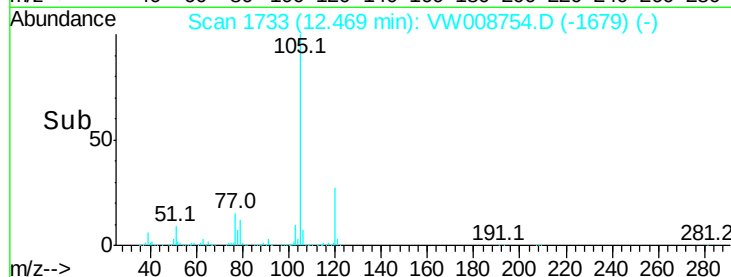
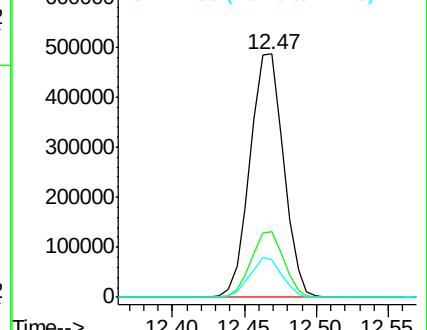
77 15.8 12.4 18.6



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: 29.809 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008754.D

Acq: 20 Feb 2019 12:06

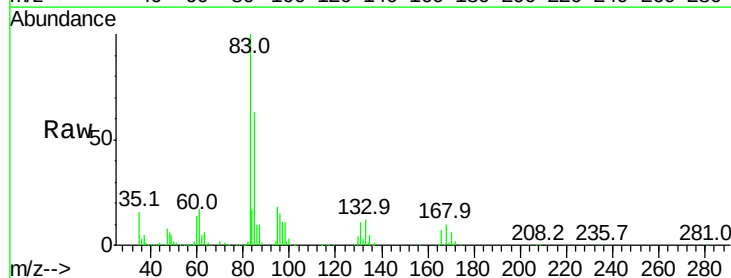
Tgt Ion: 83 Resp: 160132

Ion Ratio Lower Upper

83 100

85 62.7 46.6 86.6

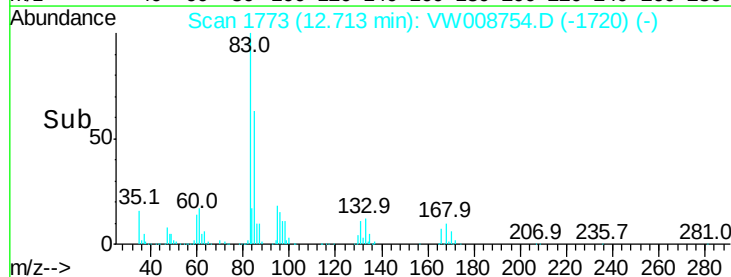
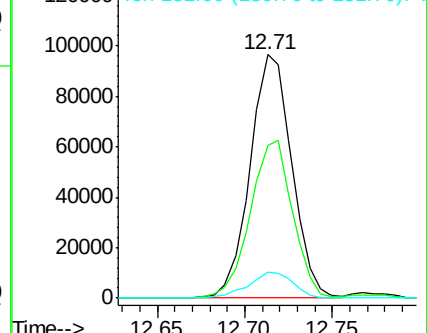
131 10.7 9.7 14.5

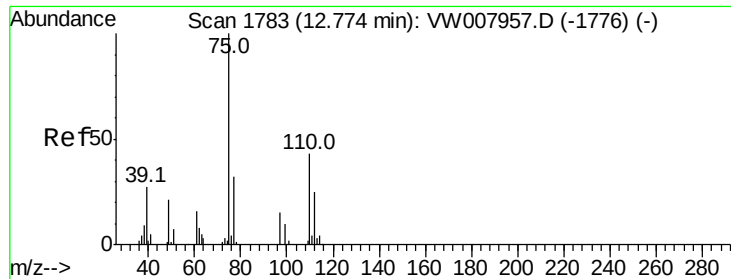


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 27.496 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW008754.D

Acq: 20 Feb 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

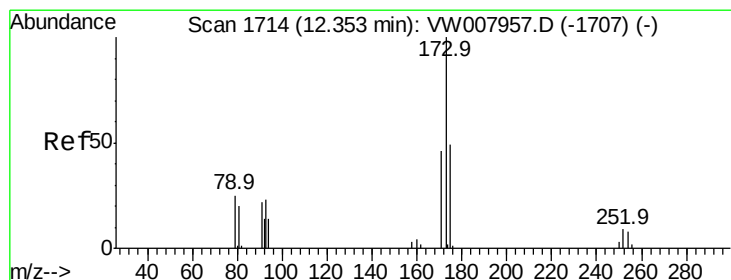
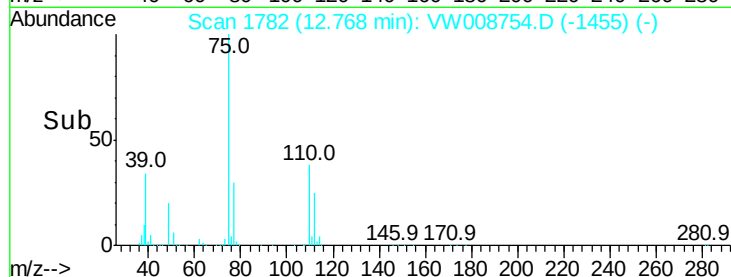
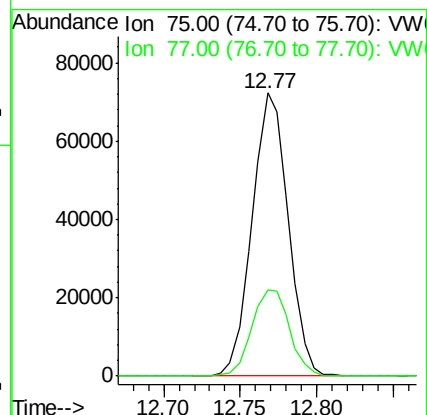
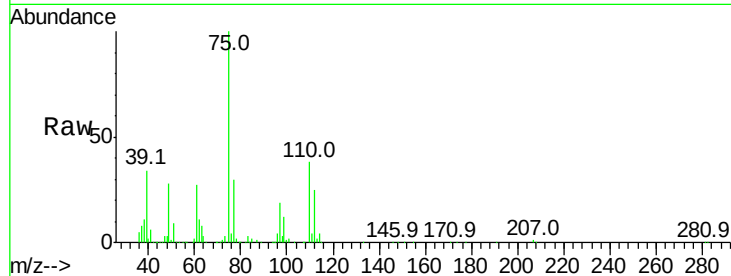
VSTD02503

Tgt Ion: 75 Resp: 118808

Ion Ratio Lower Upper

75 100

77 31.8 25.5 38.3



#62

Bromoform

Concen: 25.900 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW008754.D

Acq: 20 Feb 2019 12:06

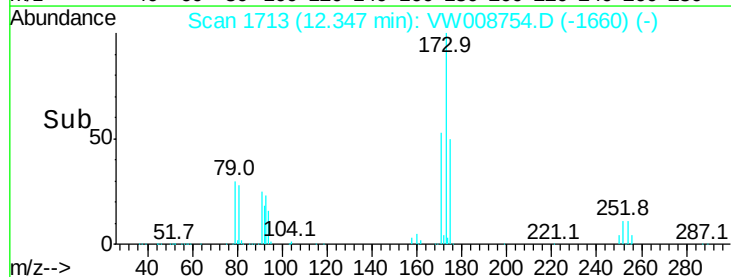
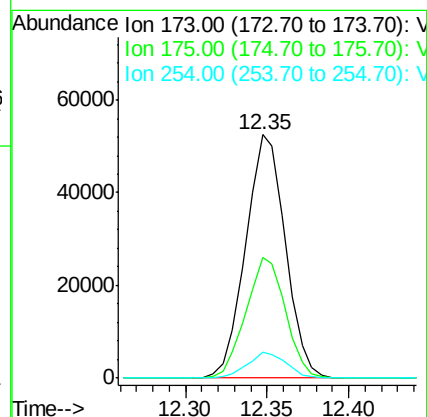
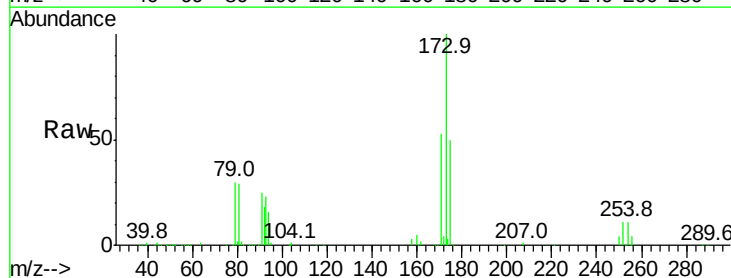
Tgt Ion: 173 Resp: 89220

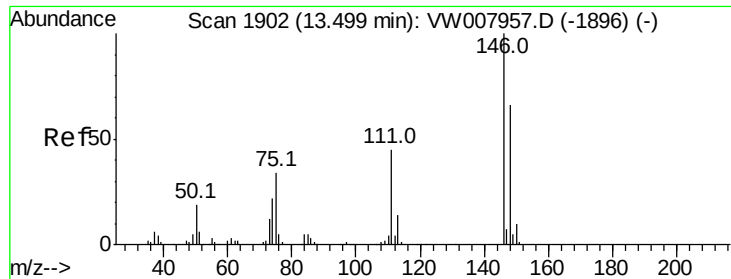
Ion Ratio Lower Upper

173 100

175 49.3 39.0 58.4

254 10.4 5.8 8.8#

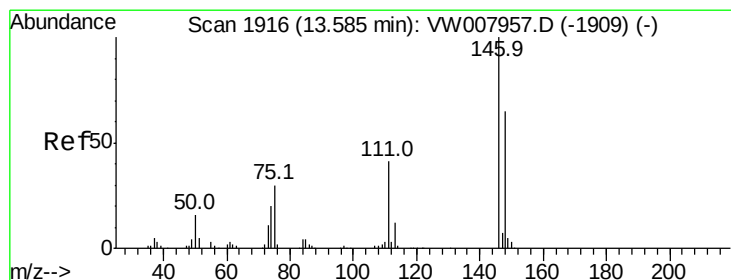
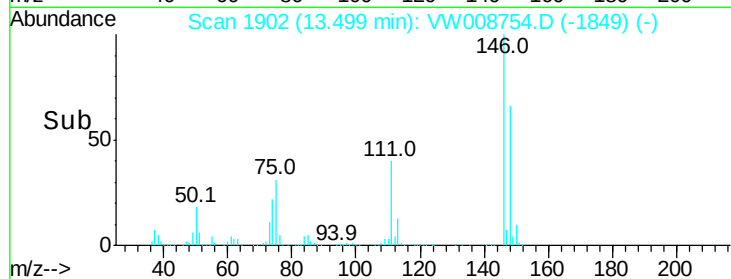
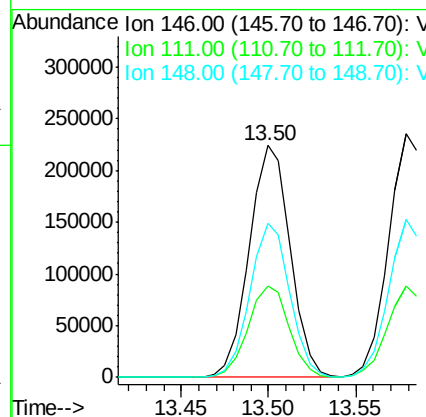
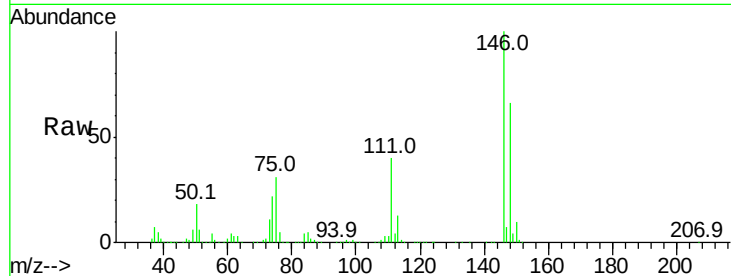




#63
 1,3-Dichlorobenzene
 Concen: 26.275 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008754.D
 Acq: 20 Feb 2019 12:06

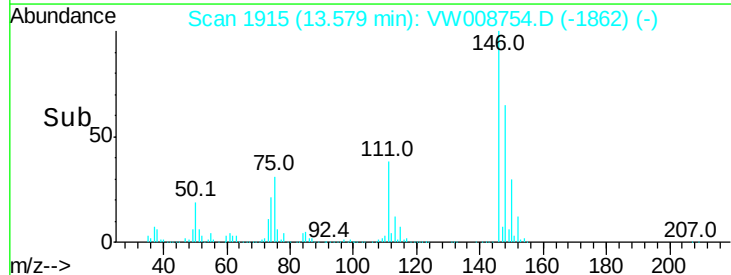
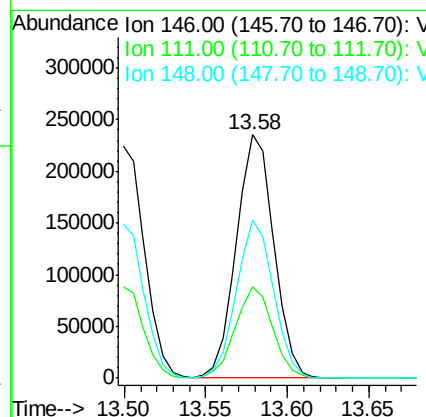
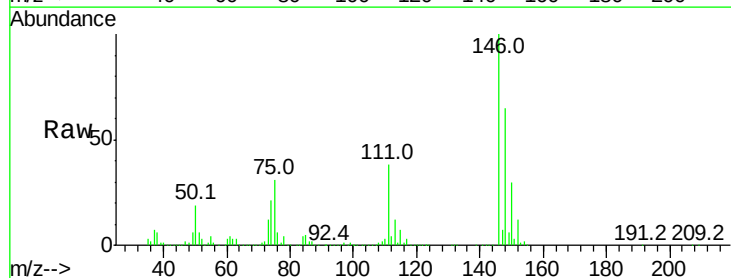
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02503

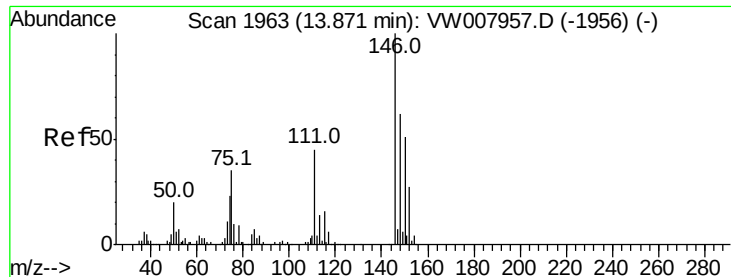
Tgt Ion:146 Resp: 367056
 Ion Ratio Lower Upper
 146 100
 111 39.5 31.0 57.6
 148 66.3 43.6 81.0



#64
 1,4-Dichlorobenzene
 Concen: 27.103 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.01 min
 Lab File: VW008754.D
 Acq: 20 Feb 2019 12:06

Tgt Ion:146 Resp: 376522
 Ion Ratio Lower Upper
 146 100
 111 37.7 26.9 49.9
 148 64.7 41.6 77.3





#65

1,2-Dichlorobenzene

Concen: 26.904 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. -0.01 min

Lab File: VW008754.D

Acq: 20 Feb 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

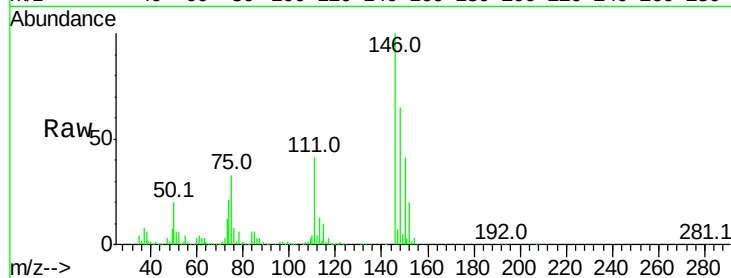
Tgt Ion:146 Resp: 341192

Ion Ratio Lower Upper

146 100

111 41.0 36.4 54.6

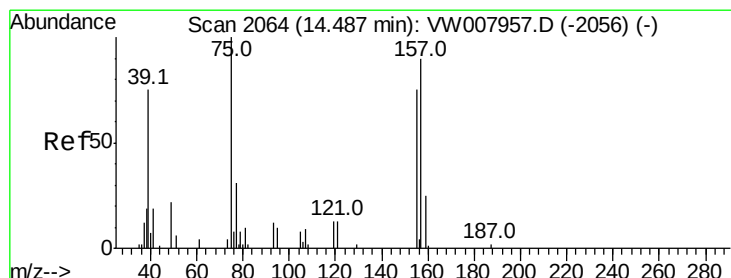
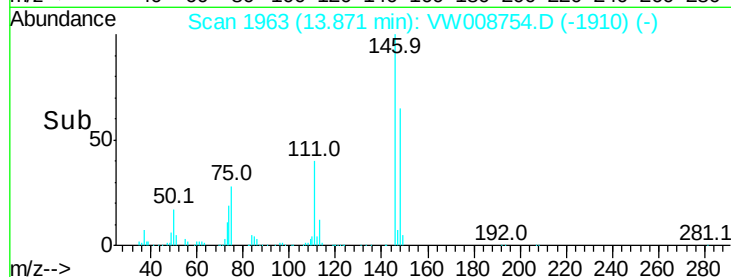
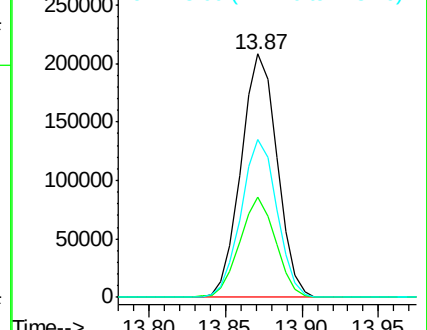
148 64.9 51.0 76.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 24.943 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW008754.D

Acq: 20 Feb 2019 12:06

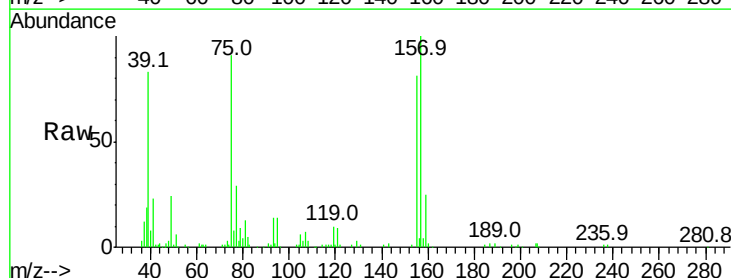
Tgt Ion: 75 Resp: 31186

Ion Ratio Lower Upper

75 100

157 110.4 85.6 128.4

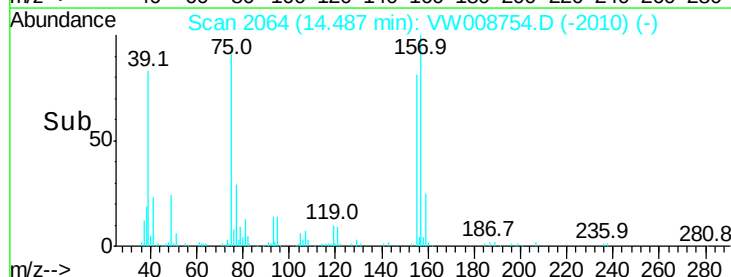
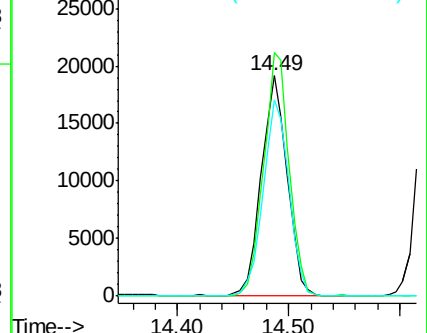
155 88.9 63.4 95.0

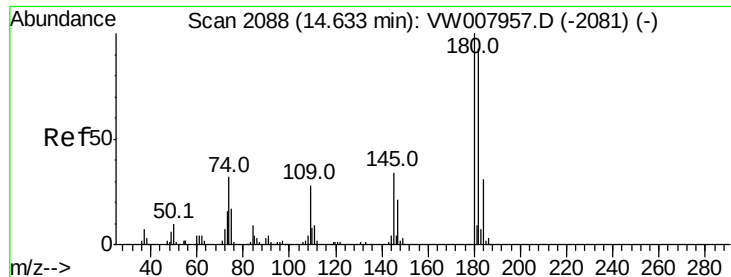


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

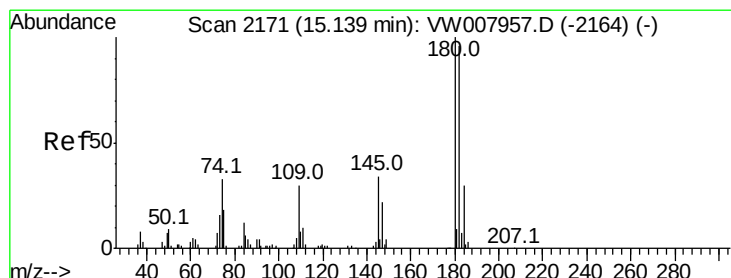
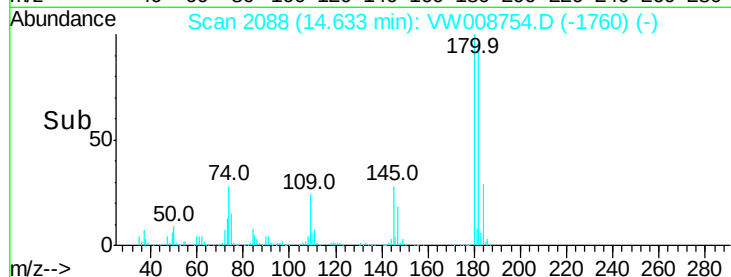
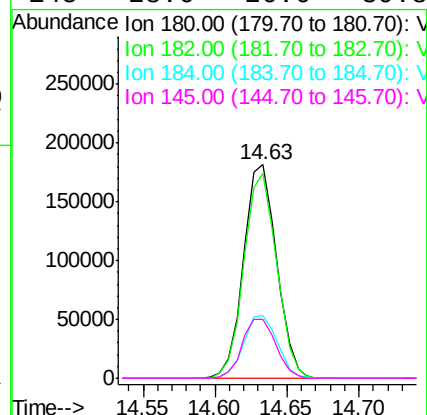
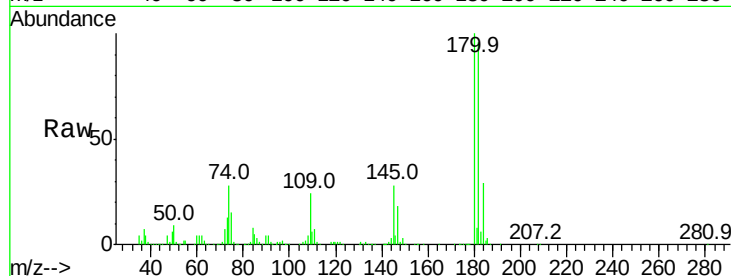




#67
 1,3,5-Trichlorobenzene
 Concen: 28.249 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VW008754.D
 Acq: 20 Feb 2019 12:06

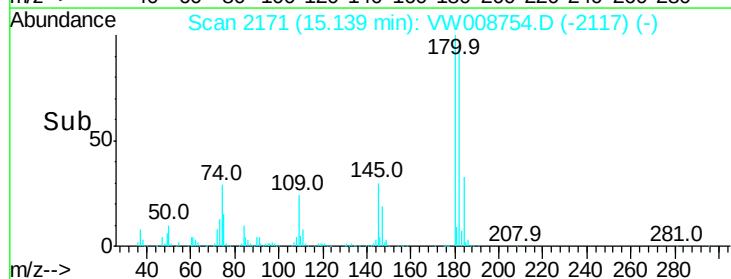
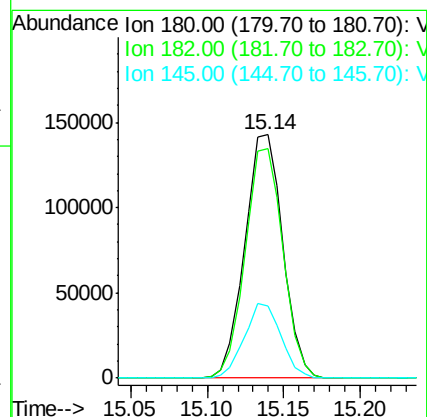
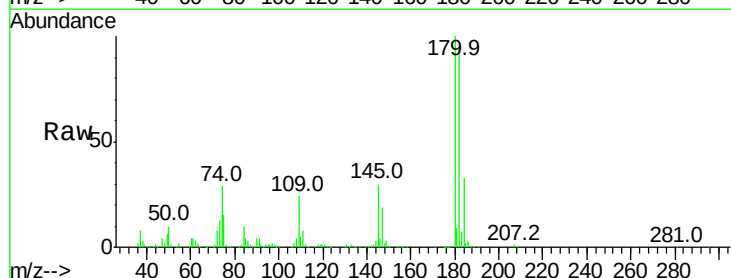
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02503

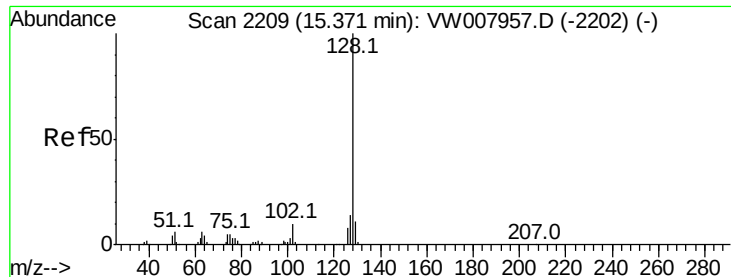
Tgt Ion:180 Resp: 289043
 Ion Ratio Lower Upper
 180 100
 182 94.8 75.0 112.4
 184 29.9 23.5 35.3
 145 28.6 26.6 39.8



#68
 1,2,4-trichlorobenzene
 Concen: 28.085 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW008754.D
 Acq: 20 Feb 2019 12:06

Tgt Ion:180 Resp: 246671
 Ion Ratio Lower Upper
 180 100
 182 93.8 77.0 115.6
 145 29.7 27.9 41.9





#69

Naphthalene

Concen: 26.741 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. -0.01 min

Lab File: VW008754.D

Acq: 20 Feb 2019 12:06

Instrument :

MSVOA_W

ClientSampleId :

VSTD02503

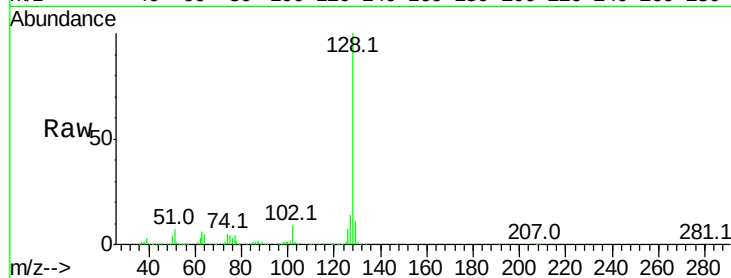
Tgt Ion:128 Resp: 531634

Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

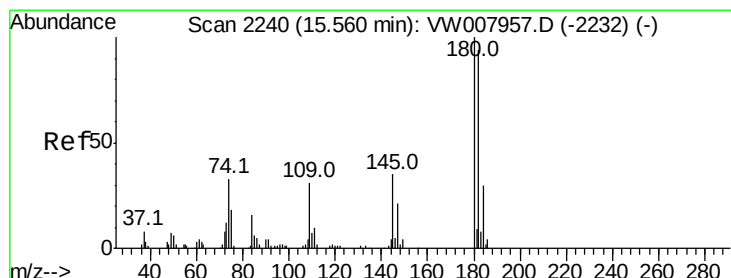
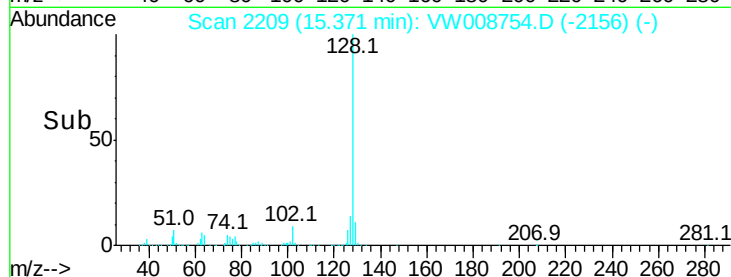
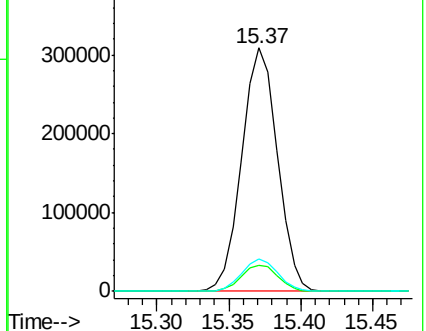
127 13.6 11.1 16.7



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: 28.799 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.01 min

Lab File: VW008754.D

Acq: 20 Feb 2019 12:06

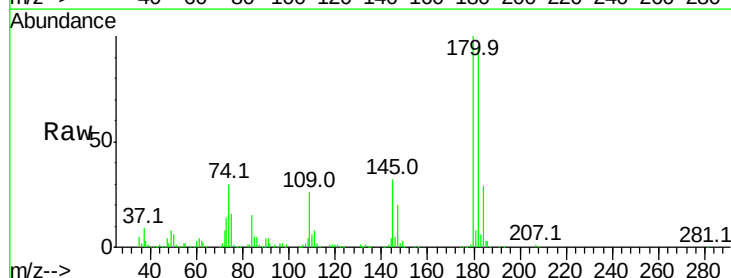
Tgt Ion:180 Resp: 223915

Ion Ratio Lower Upper

180 100

182 96.1 75.8 113.6

145 31.8 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

