

Data File : VW009218.D
Acq On : 18 Mar 2019 09:18
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD02550

Quant Time: Mar 18 11:10:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 18 02:40:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	506700	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	475210	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	245098	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	149208	24.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.56%
7) Chloroethane-d5	2.89	69	146135	20.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.52%
10) 1,1-Dichloroethene-d2	4.01	63	319138	24.39	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	97.56%
20) 2-Butanone-d5	7.07	46	107854	43.07	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.14%
24) Chloroform-d	7.64	84	314863	22.77	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.08%
26) 1,2-Dichloroethane-d4	8.30	65	182869	21.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.80%
29) Benzene-d6	8.27	84	587764	22.43	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.72%
33) 1,2-Dichloropropane-d6	9.27	67	178979	22.74	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.96%
37) Toluene-d8	10.32	98	551474	22.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.04%
38) trans-1,3-Dichloropropene-	10.57	79	88058	22.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.12%
39) 2-Hexanone-d5	10.92	63	86395	45.32	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.64%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	175922	22.69	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.76%
61) 1,2-Dichlorobenzene-d4	13.86	152	209109	22.25	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	179375	26.873 ug/L	92
3) Chloromethane	2.22	50	163966	23.153 ug/L	95
5) Vinyl chloride	2.37	62	223534	30.666 ug/L	100
6) Bromomethane	2.78	94	155408	25.448 ug/L	100
8) Chloroethane	2.93	64	153117	25.389 ug/L	89
9) Trichlorofluoromethane	3.26	101	135972	23.615 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	179039	26.925 ug/L	96
12) 1,1-Dichloroethene	4.04	96	175699	28.159 ug/L	79
13) Acetone	4.12	43	108134	52.658 ug/L	97
14) Carbon disulfide	4.38	76	509794	30.358 ug/L	99
15) Methyl Acetate	4.67	43	95327	23.630 ug/L	96
16) Methylene chloride	4.92	84	169274	22.909 ug/L	97
17) Methyl tert-butyl Ether	5.42	73	219326	24.843 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	174187	26.552 ug/L	100
19) 1,1-Dichloroethane	6.21	63	316483	26.459 ug/L	99
21) 2-Butanone	7.17	43	146698	51.738 ug/L	98
22) cis-1,2-Dichloroethene	7.16	96	187872	26.437 ug/L	98

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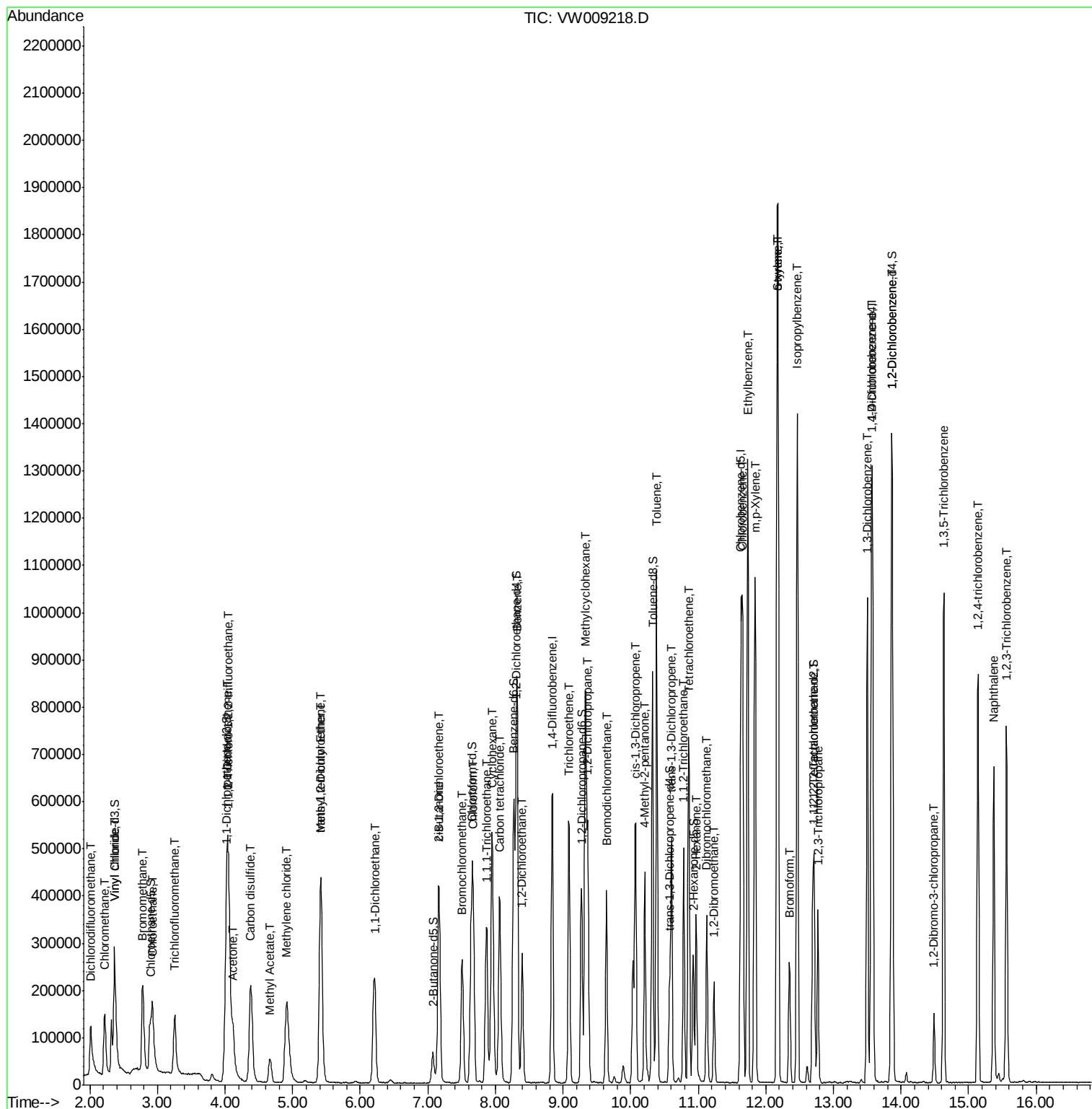
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	86256	25.306	ug/L	97
25) Chloroform	7.67	83	331333	26.451	ug/L	99
27) 1,2-Dichloroethane	8.40	62	243141	26.034	ug/L	98
30) Cyclohexane	7.95	56	297852	27.598	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	261088	27.509	ug/L	99
32) Carbon tetrachloride	8.06	117	276253	28.849	ug/L	98
34) Benzene	8.32	78	704629	27.090	ug/L	100
35) Trichloroethene	9.09	95	185361	26.745	ug/L	99
36) Methylcyclohexane	9.34	83	326639	27.241	ug/L	99
40) 1,2-Dichloropropane	9.37	63	177529	26.598	ug/L	99
41) Bromodichloromethane	9.64	83	245182	26.512	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	285442	26.258	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	291072	48.126	ug/L	99
44) Toluene	10.38	91	761002	26.759	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	251774	26.624	ug/L	100
46) 1,1,2-Trichloroethane	10.79	97	136719	25.676	ug/L	97
47) Tetrachloroethene	10.86	164	155991	26.637	ug/L	96
49) 2-Hexanone	10.97	43	218239	51.233	ug/L	97
50) Dibromochloromethane	11.13	129	176705	26.882	ug/L	96
51) 1,2-Dibromoethane	11.23	107	138605	25.677	ug/L	96
52) Chlorobenzene	11.66	112	487506	26.727	ug/L	99
53) Ethylbenzene	11.73	91	872729	27.296	ug/L	98
54) m,p-Xylene	11.84	106	329467	27.123	ug/L	95
55) o-xylene	12.16	106	314827	26.567	ug/L	97
56) Styrene	12.18	104	551700	27.286	ug/L	97
57) Isopropylbenzene	12.46	105	871211	27.444	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	183955	25.608	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	136179	25.544	ug/L	100
62) Bromoform	12.35	173	111283	26.872	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	393194	26.917	ug/L	97
64) 1,4-Dichlorobenzene	13.58	146	402127	26.627	ug/L	96
65) 1,2-Dichlorobenzene	13.87	146	373281	26.796	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	34248	25.085	ug/L	93
67) 1,3,5-Trichlorobenzene	14.63	180	312385	27.417	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	259248	27.088	ug/L	99
69) Naphthalene	15.37	128	538934	27.161	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	245987	27.442	ug/L	98

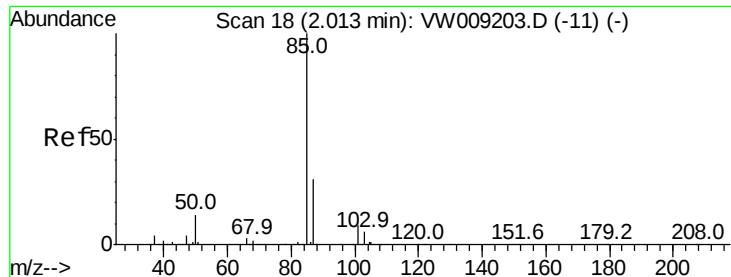
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 26.873 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW009218.D

Acq: 18 Mar 2019 09:18

Instrument :

MSVOA_W

ClientSampleId :

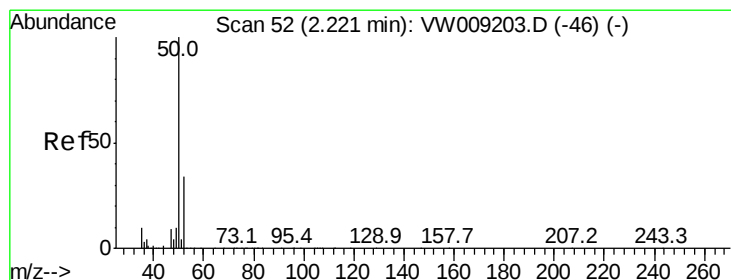
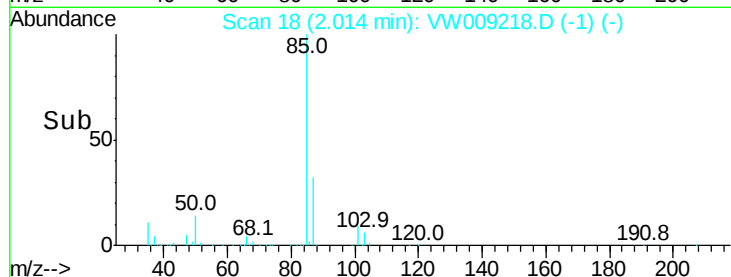
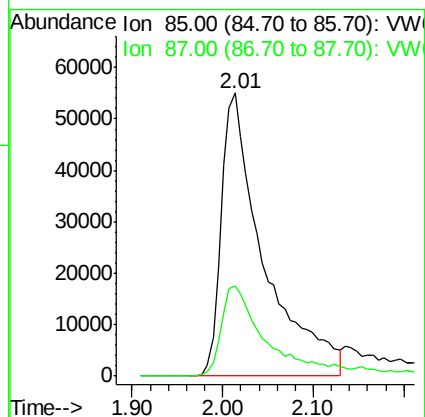
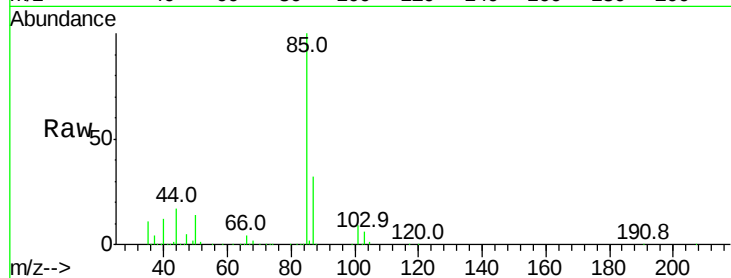
VSTD02550

Tgt Ion: 85 Resp: 179375

Ion Ratio Lower Upper

85 100

87 32.2 19.5 36.3



#3

Chloromethane

Concen: 23.153 ug/L

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW009218.D

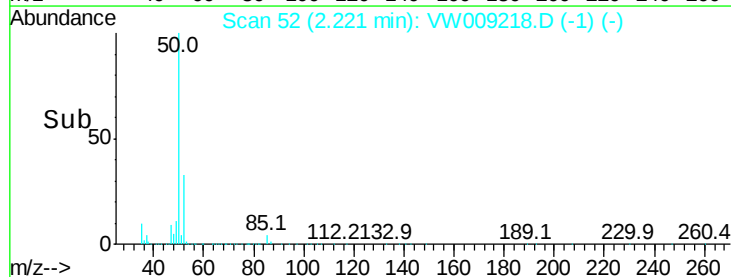
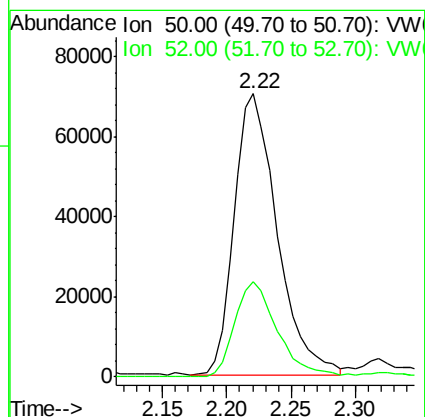
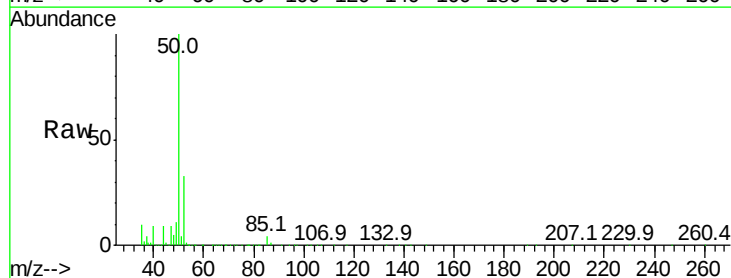
Acq: 18 Mar 2019 09:18

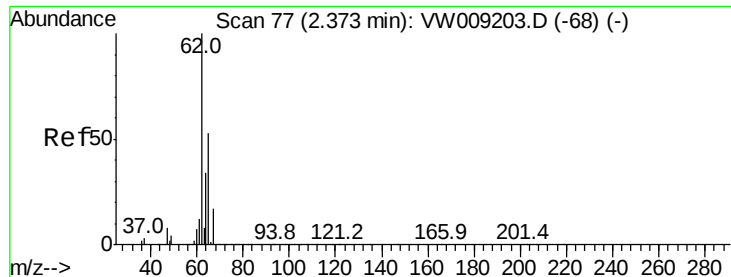
Tgt Ion: 50 Resp: 163966

Ion Ratio Lower Upper

50 100

52 33.5 21.6 40.2





#5

Vinyl chloride

Concen: 30.666 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW009218.D

Acq: 18 Mar 2019 09:18

Instrument :

MSVOA_W

ClientSampleId :

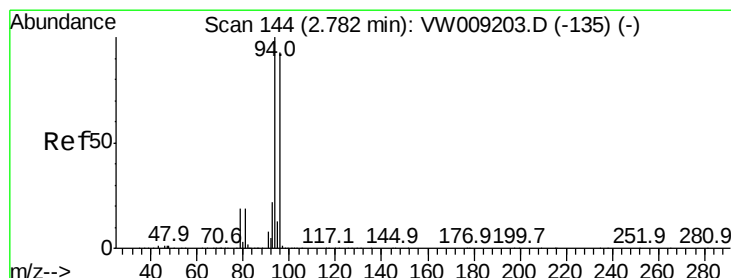
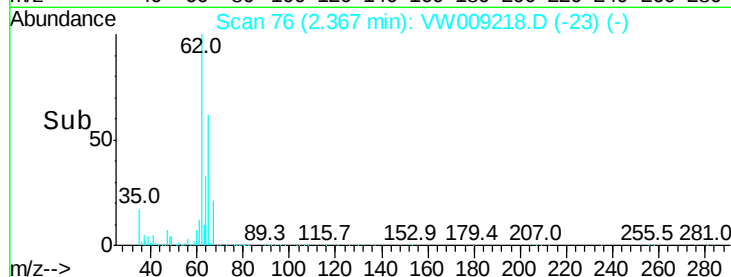
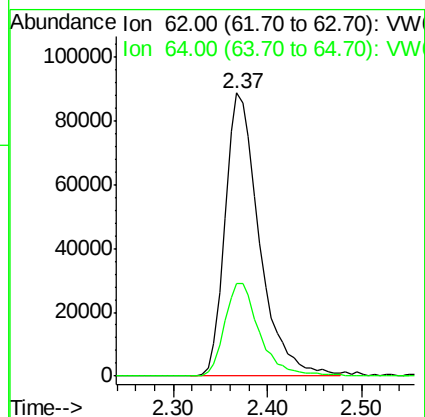
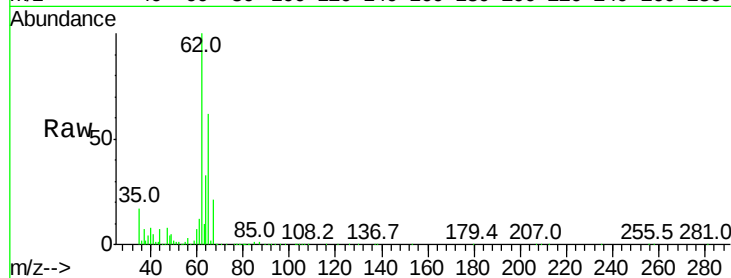
VSTD02550

Tgt Ion: 62 Resp: 223534

Ion Ratio Lower Upper

62 100

64 32.6 23.0 42.6



#6

Bromomethane

Concen: 25.448 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.00 min

Lab File: VW009218.D

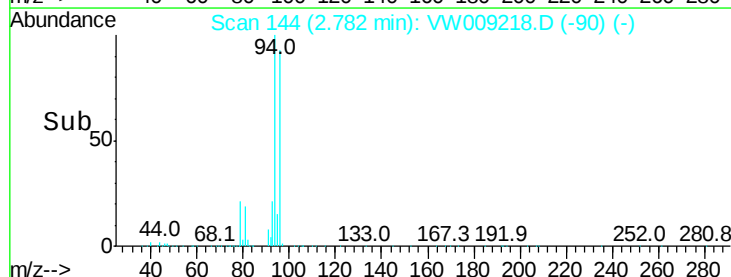
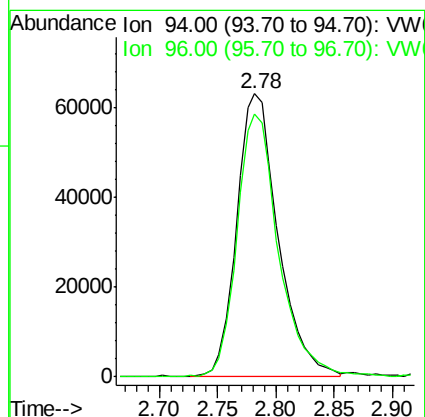
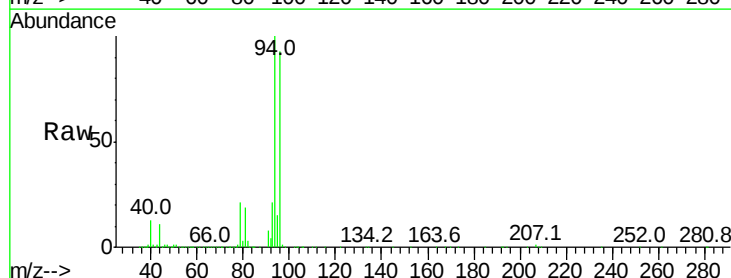
Acq: 18 Mar 2019 09:18

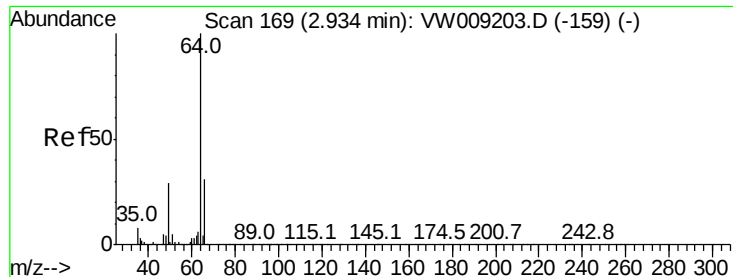
Tgt Ion: 94 Resp: 155408

Ion Ratio Lower Upper

94 100

96 93.4 9.4 178.4





#8

Chloroethane

Concen: 25.389 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW009218.D

Acq: 18 Mar 2019 09:18

Instrument :

MSVOA_W

ClientSampleId :

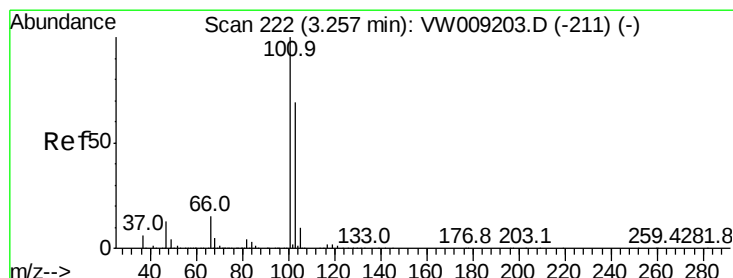
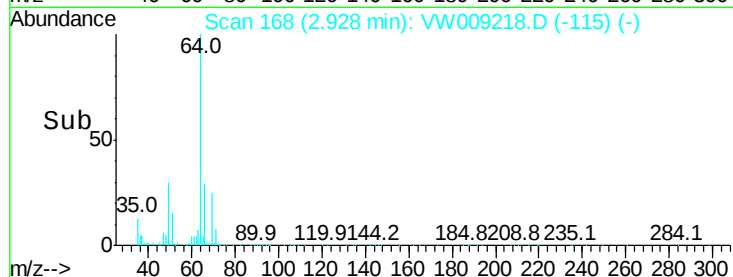
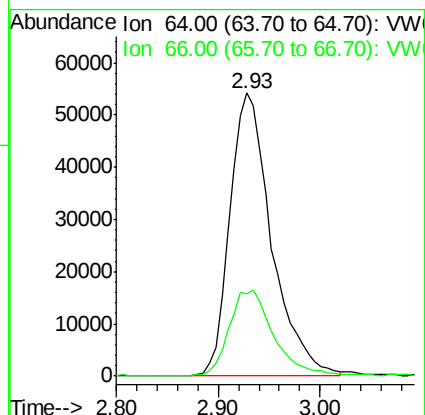
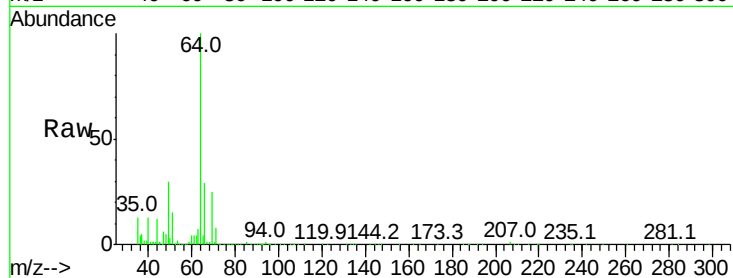
VSTD02550

Tgt Ion: 64 Resp: 153117

Ion Ratio Lower Upper

64 100

66 29.1 25.1 46.7



#9

Trichlorofluoromethane

Concen: 23.615 ug/L

RT: 3.26 min Scan# 222

Delta R.T. 0.00 min

Lab File: VW009218.D

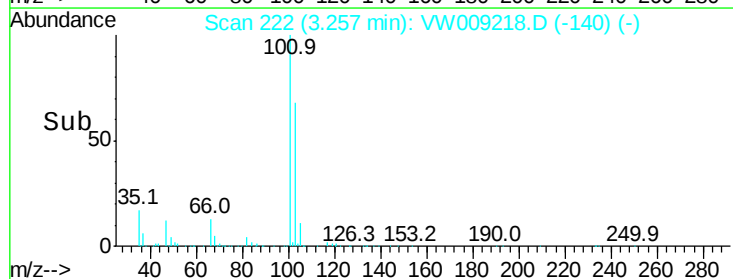
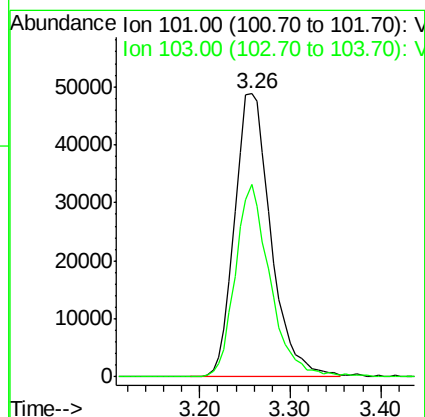
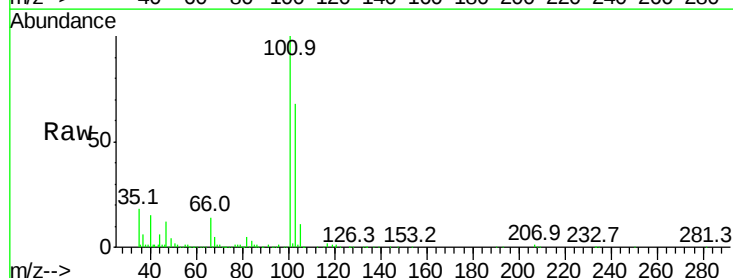
Acq: 18 Mar 2019 09:18

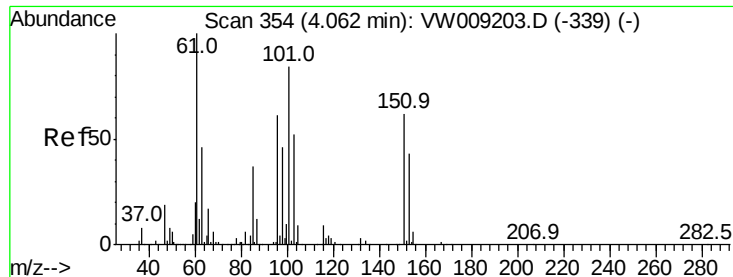
Tgt Ion: 101 Resp: 135972

Ion Ratio Lower Upper

101 100

103 64.7 45.0 83.6





#11

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

Concen: 26.925 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

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Instrument :

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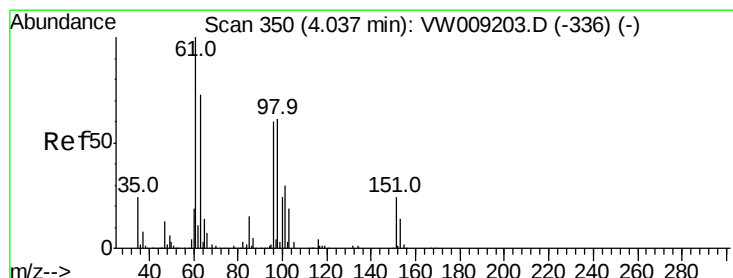
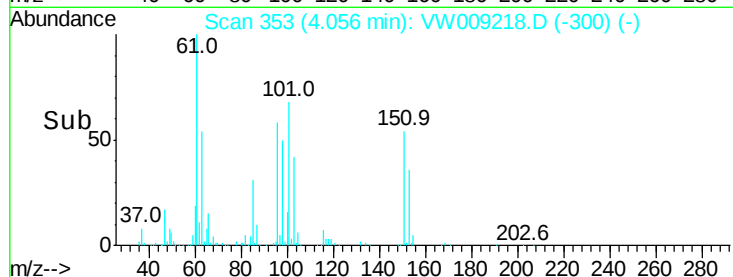
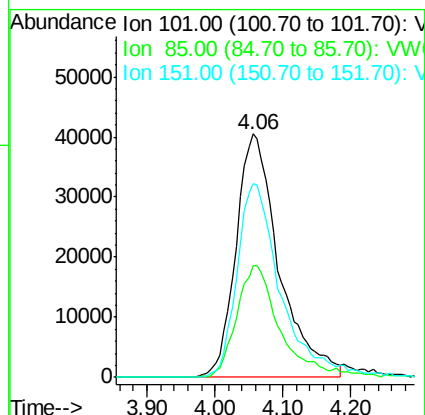
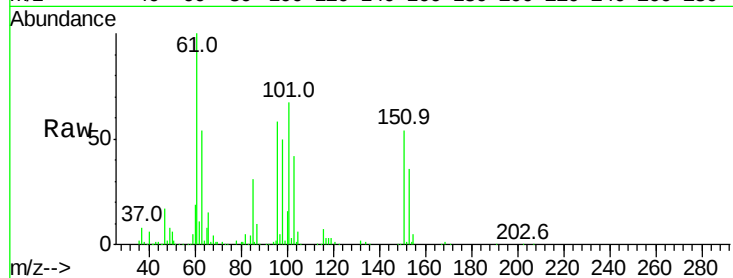
Tgt Ion: 101 Resp: 179039

Ion Ratio Lower Upper

101 100

85 43.0 32.6 48.8

151 75.4 63.3 94.9



#12

1,1-Dichloroethene

Concen: 28.159 ug/L

RT: 4.04 min Scan# 350

Delta R.T. 0.00 min

Lab File: VW009218.D

Acq: 18 Mar 2019 09:18

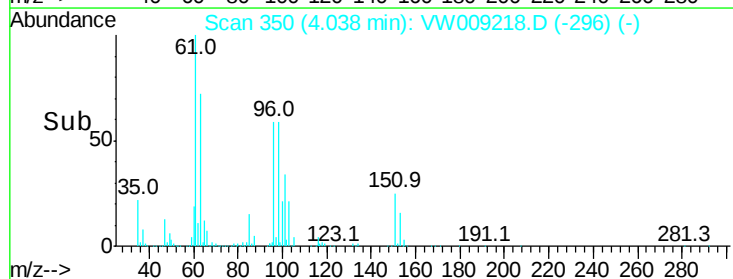
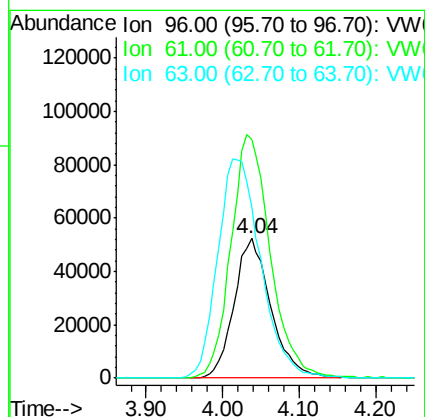
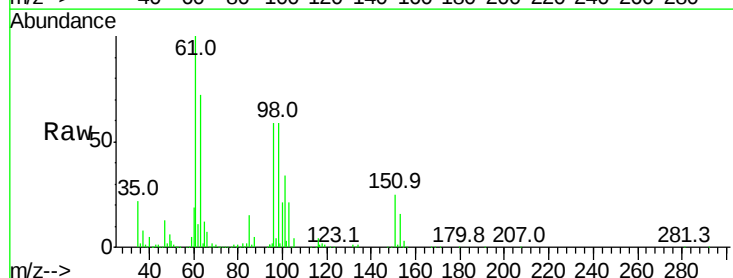
Tgt Ion: 96 Resp: 175699

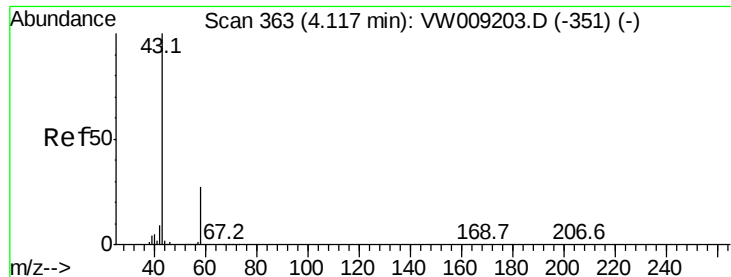
Ion Ratio Lower Upper

96 100

61 170.5 129.4 240.2

63 122.2 116.8 217.0





#13

Acetone

Concen: 52.658 ug/L

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

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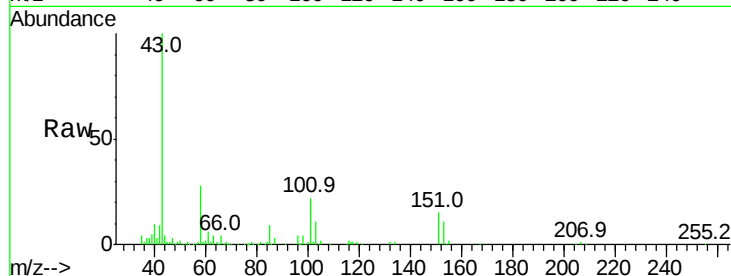
VSTD02550

Tgt Ion: 43 Resp: 108134

Ion Ratio Lower Upper

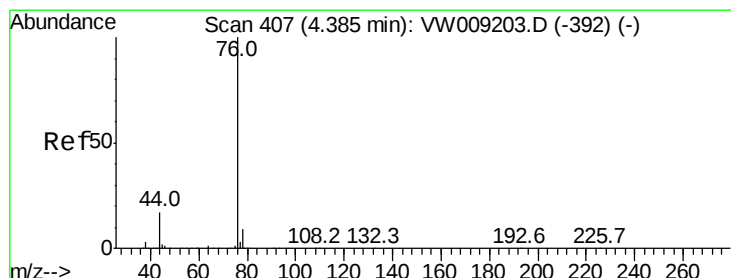
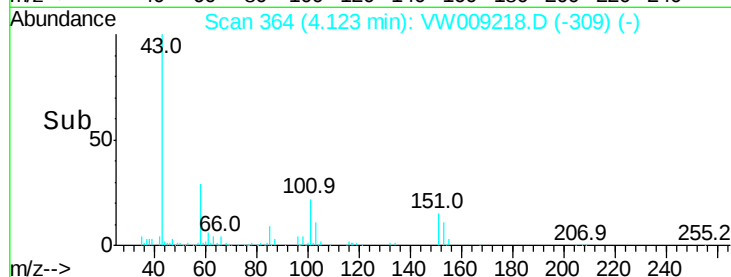
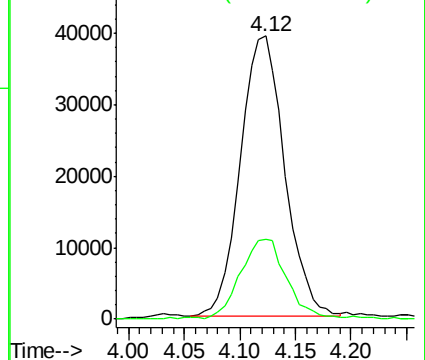
43 100

58 29.5 0.0 56.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 30.358 ug/L

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW009218.D

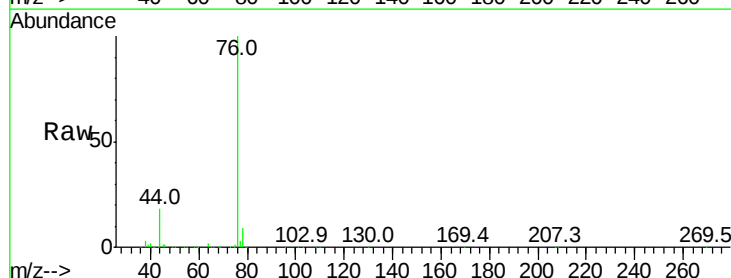
Acq: 18 Mar 2019 09:18

Tgt Ion: 76 Resp: 509794

Ion Ratio Lower Upper

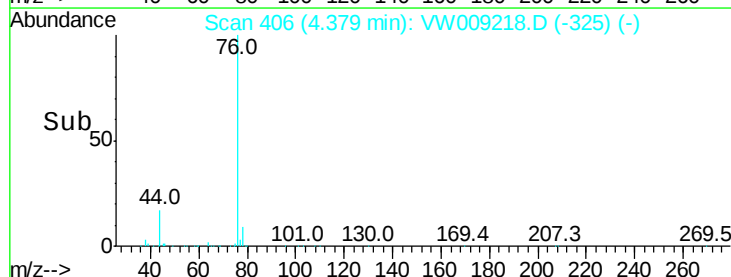
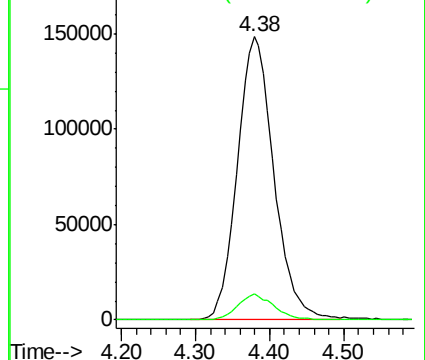
76 100

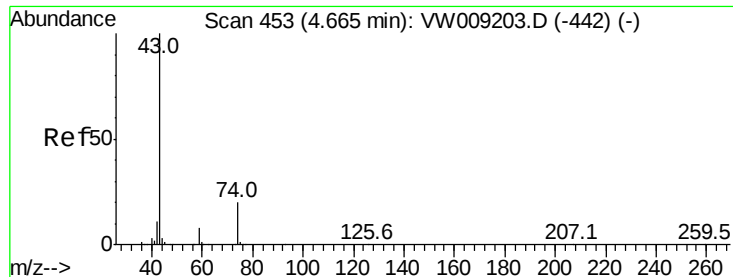
78 9.4 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

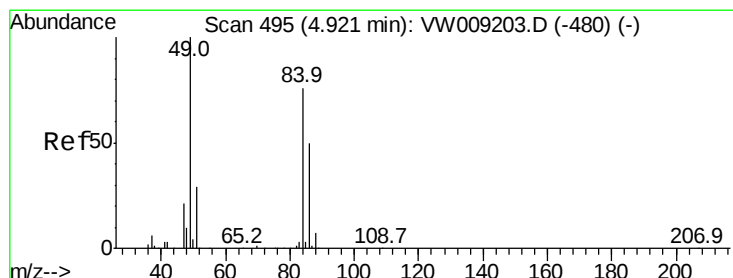
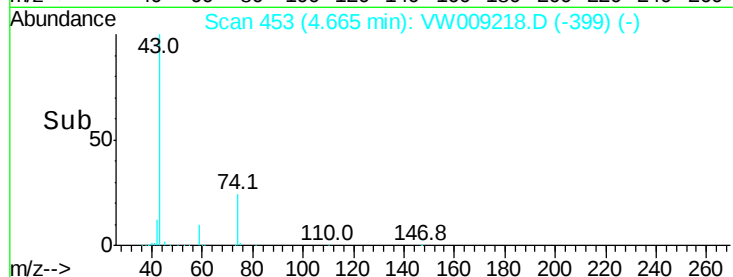
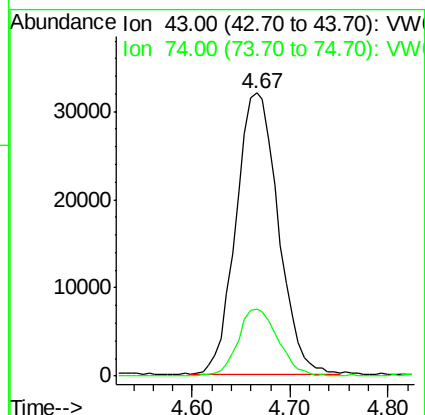
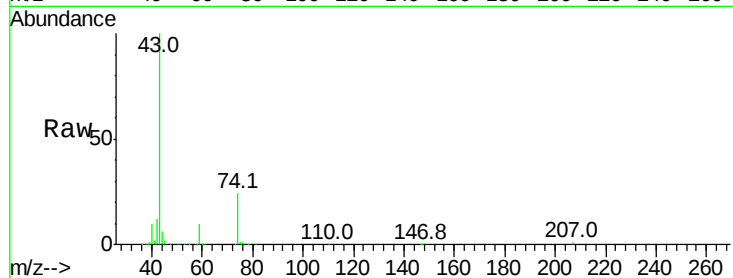




#15
Methyl Acetate
Concen: 23.630 ug/L
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW009218.D
Acq: 18 Mar 2019 09:18

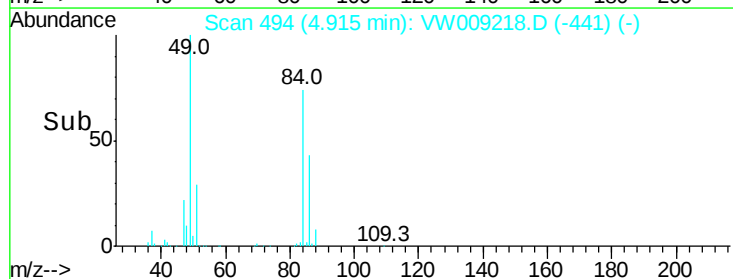
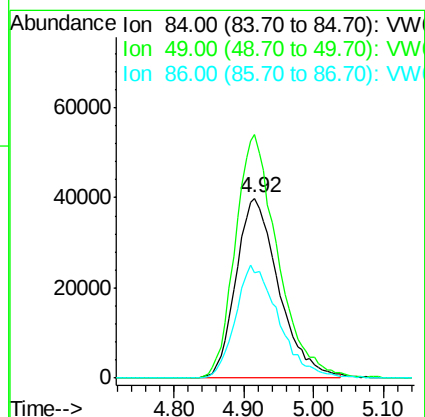
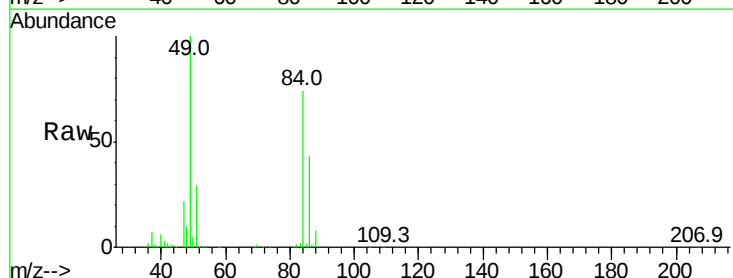
Instrument :
MSVOA_W
ClientSampleId :
VSTD02550

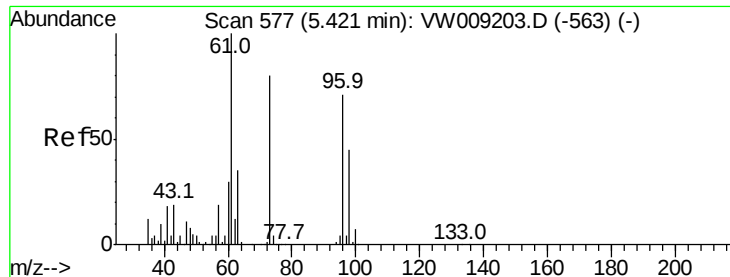
Tgt Ion: 43 Resp: 95327
Ion Ratio Lower Upper
43 100
74 22.7 16.7 25.1



#16
Methylene chloride
Concen: 22.909 ug/L
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW009218.D
Acq: 18 Mar 2019 09:18

Tgt Ion: 84 Resp: 169274
Ion Ratio Lower Upper
84 100
49 135.2 96.0 178.2
86 58.4 44.4 82.5

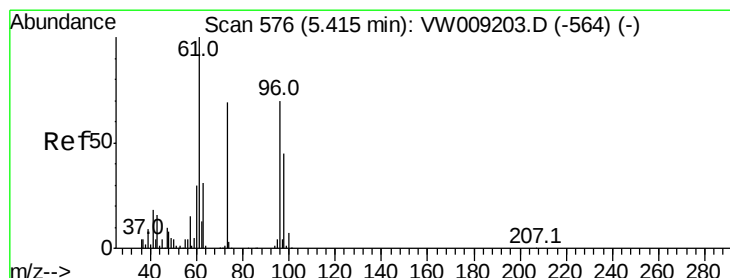
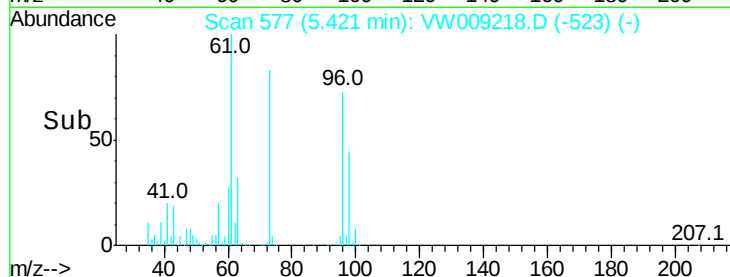
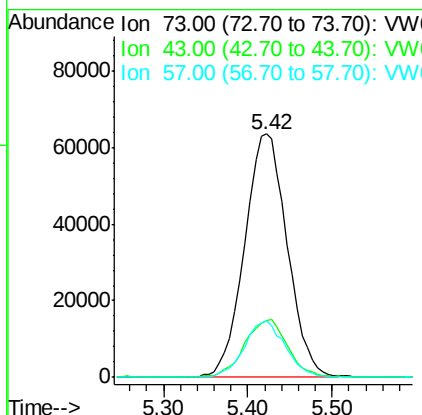
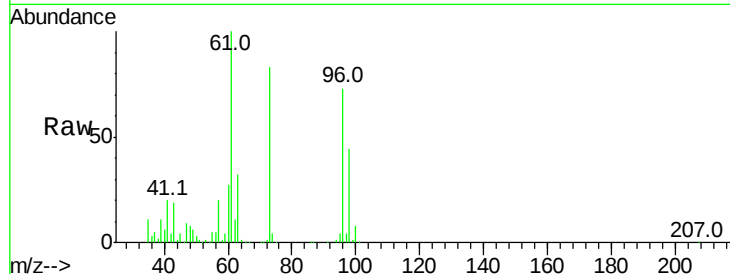




#17
Methyl tert-butyl Ether
Concen: 24.843 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW009218.D
Acq: 18 Mar 2019 09:18

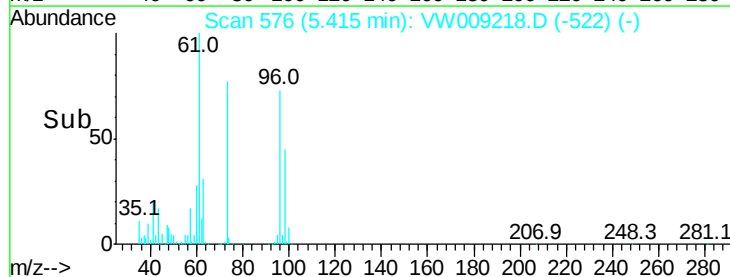
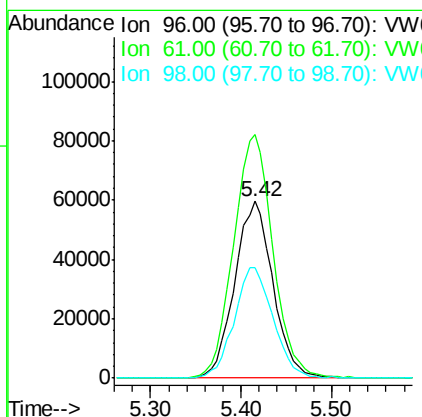
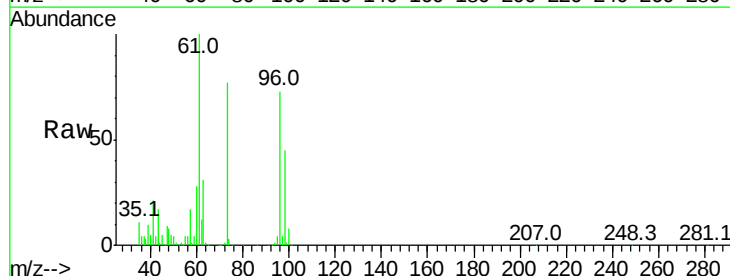
Instrument :
MSVOA_W
ClientSampleId :
VSTD02550

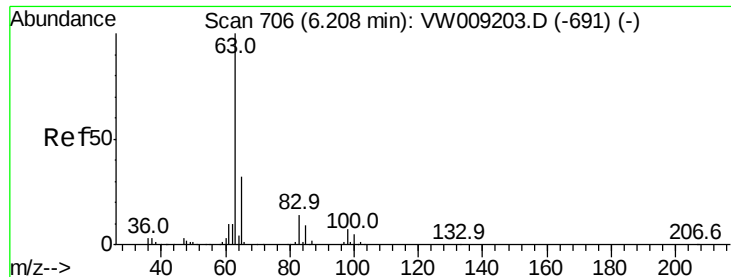
Tgt Ion: 73 Resp: 219326
Ion Ratio Lower Upper
73 100
43 24.0 18.2 27.4
57 22.3 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 26.552 ug/L
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW009218.D
Acq: 18 Mar 2019 09:18

Tgt Ion: 96 Resp: 174187
Ion Ratio Lower Upper
96 100
61 137.9 96.7 179.5
98 62.5 43.8 81.4

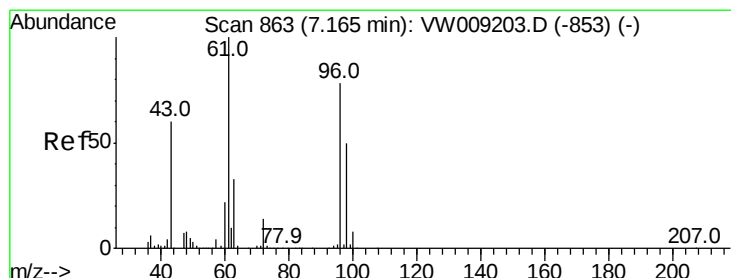
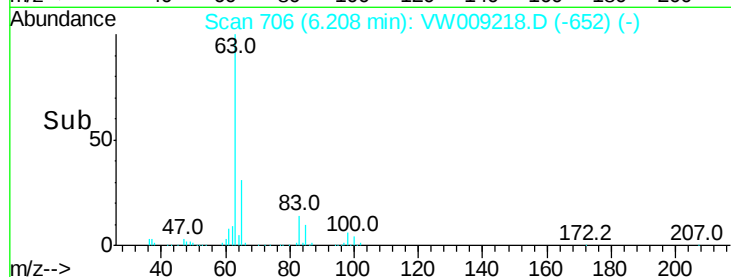
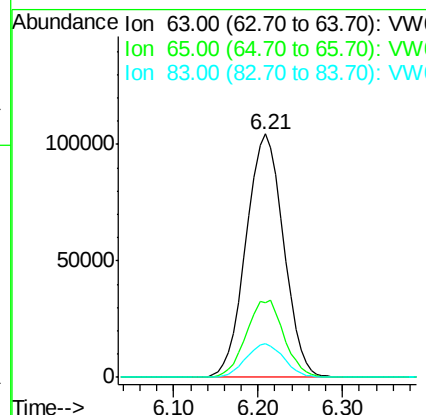
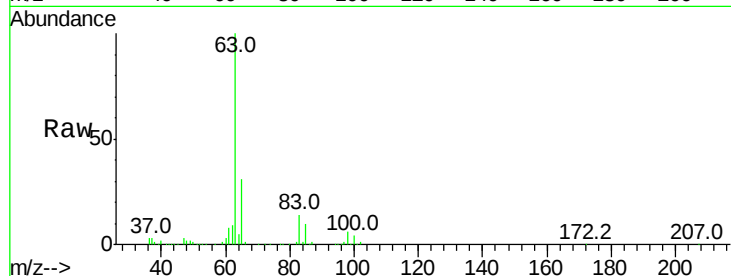




#19
 1,1-Dichloroethane
 Concen: 26.459 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VW009218.D
 Acq: 18 Mar 2019 09:18

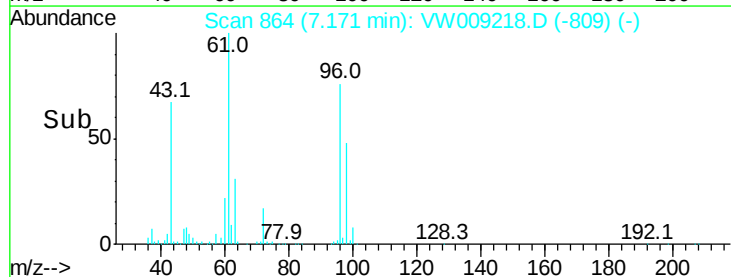
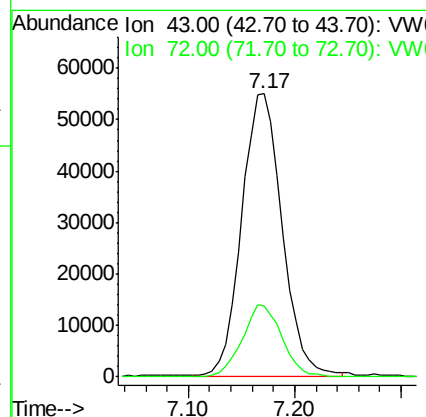
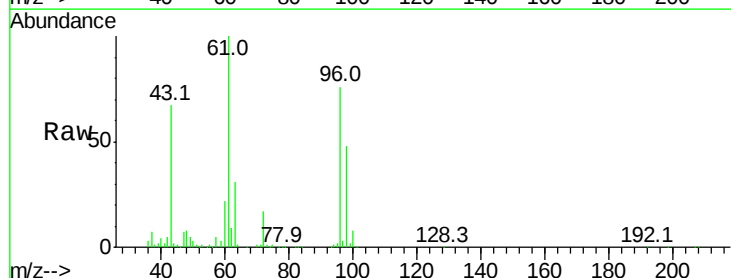
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD02550

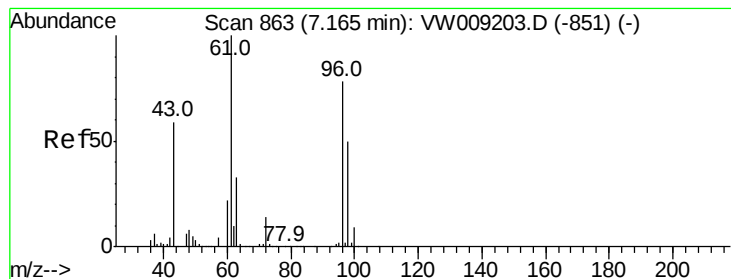
Tgt Ion: 63 Resp: 316483
 Ion Ratio Lower Upper
 63 100
 65 30.7 21.6 40.0
 83 13.7 10.1 18.7



#21
 2-Butanone
 Concen: 51.738 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.01 min
 Lab File: VW009218.D
 Acq: 18 Mar 2019 09:18

Tgt Ion: 43 Resp: 146698
 Ion Ratio Lower Upper
 43 100
 72 25.0 13.1 39.1



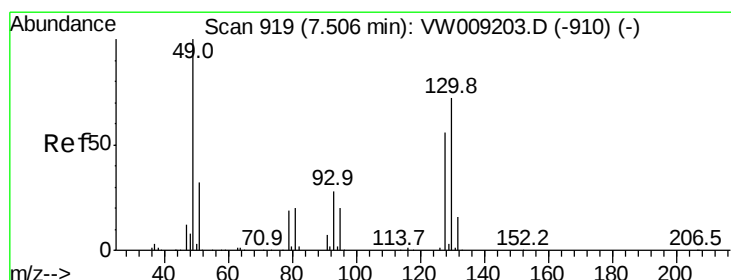
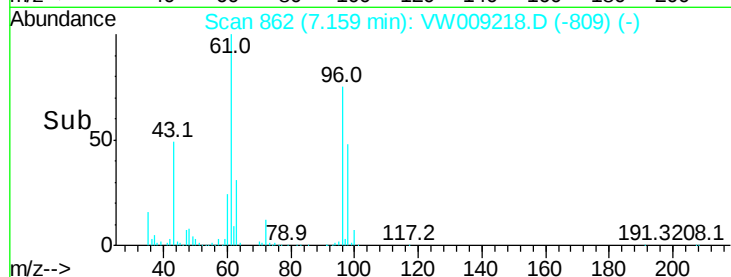
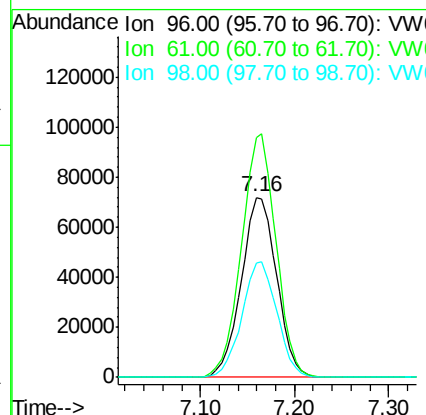
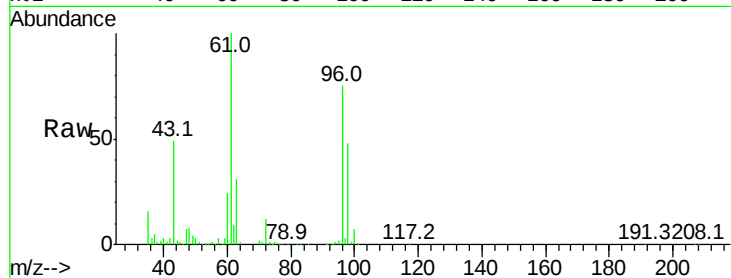


#22

cis-1,2-Dichloroethene
Concen: 26.437 ug/L
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW009218.D
Acq: 18 Mar 2019 09:18

Instrument :
MSVOA_W
ClientSampleId :
VSTD02550

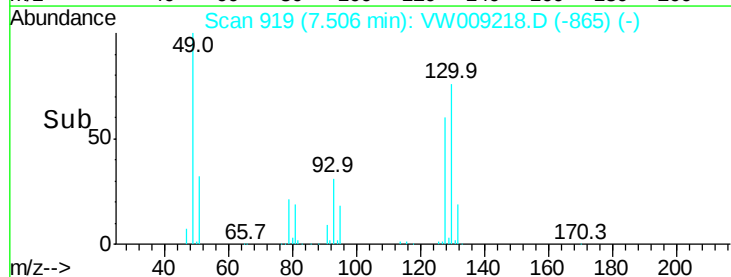
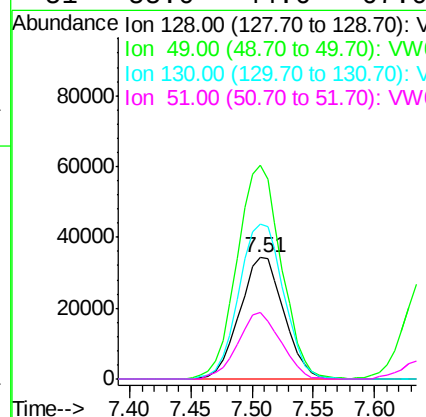
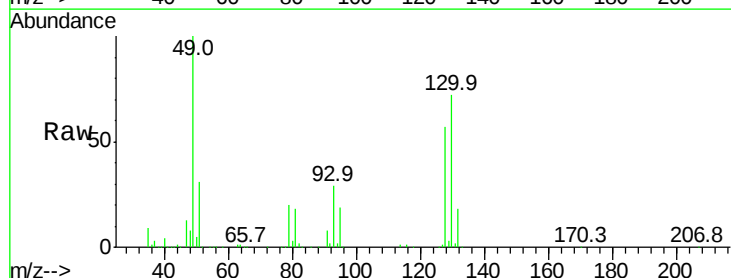
Tgt Ion: 96 Resp: 187872
Ion Ratio Lower Upper
96 100
61 133.2 90.6 168.3
98 63.6 44.0 81.8

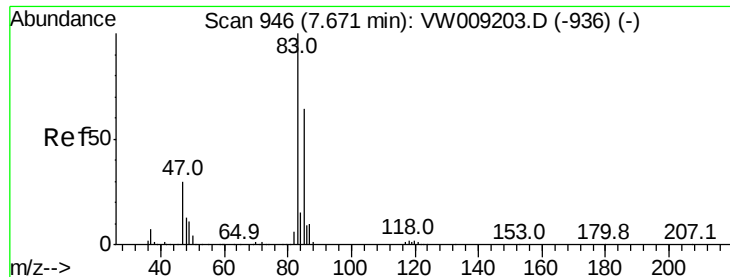


#23

Bromochloromethane
Concen: 25.306 ug/L
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW009218.D
Acq: 18 Mar 2019 09:18

Tgt Ion: 128 Resp: 86256
Ion Ratio Lower Upper
128 100
49 176.0 118.4 219.8
130 127.2 87.8 163.2
51 55.0 44.6 67.0





#25

Chloroform

Concen: 26.451 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW009218.D

Acq: 18 Mar 2019 09:18

Instrument :

MSVOA_W

ClientSampleId :

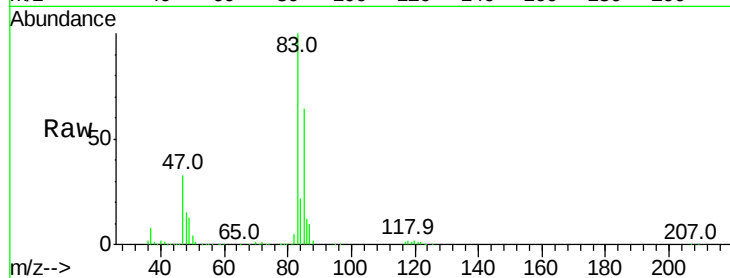
VSTD02550

Tgt Ion: 83 Resp: 331333

Ion Ratio Lower Upper

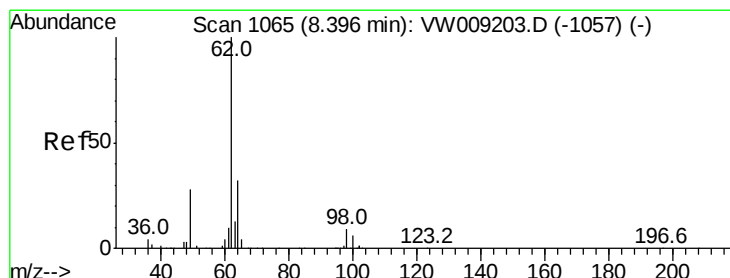
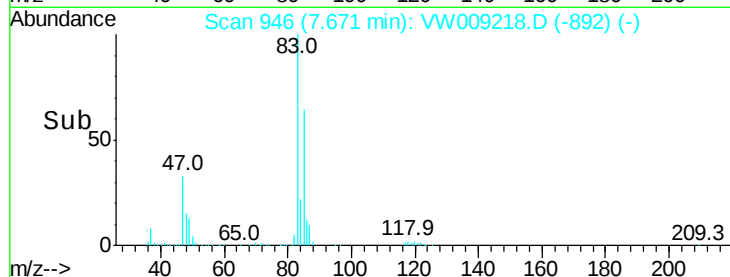
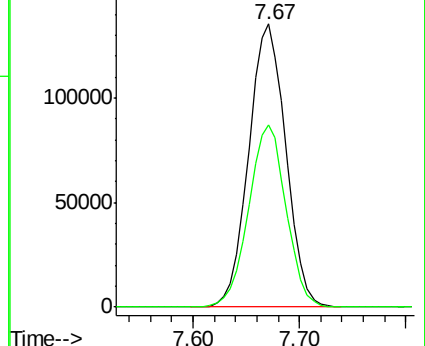
83 100

85 64.9 46.0 85.4



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 26.034 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW009218.D

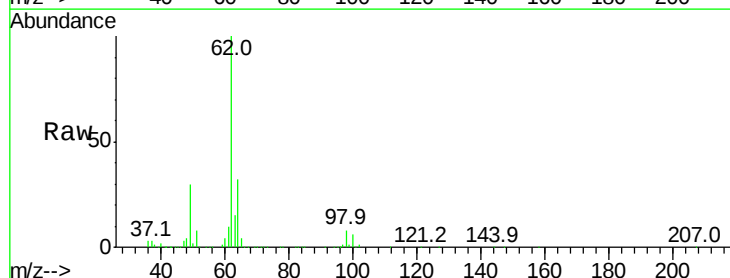
Acq: 18 Mar 2019 09:18

Tgt Ion: 62 Resp: 243141

Ion Ratio Lower Upper

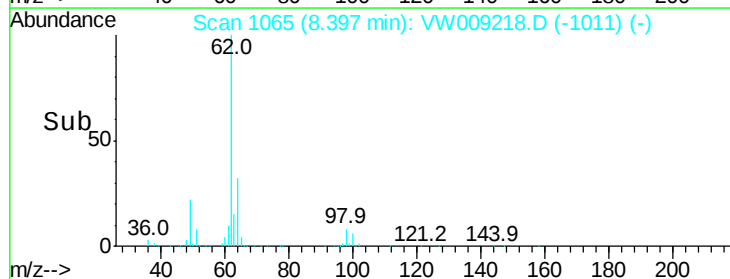
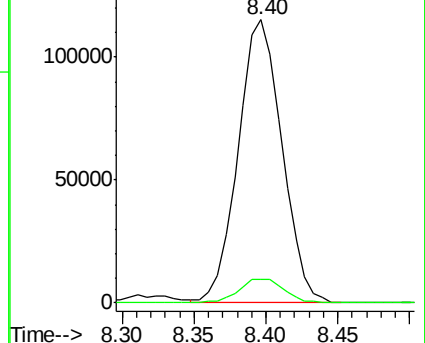
62 100

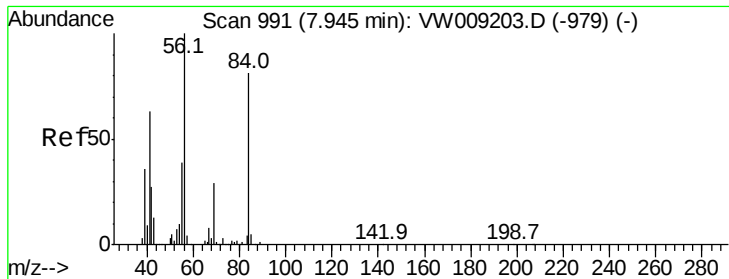
98 8.2 7.3 10.9



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW

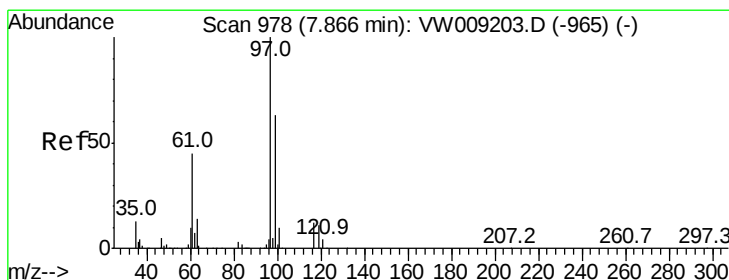
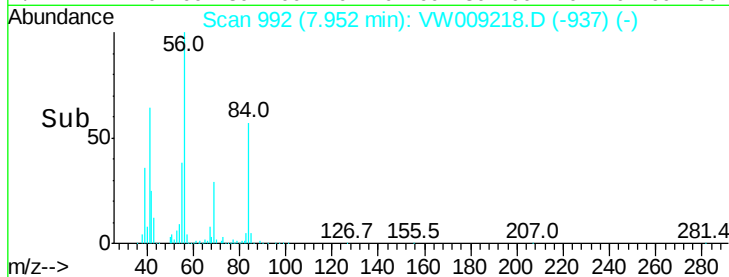
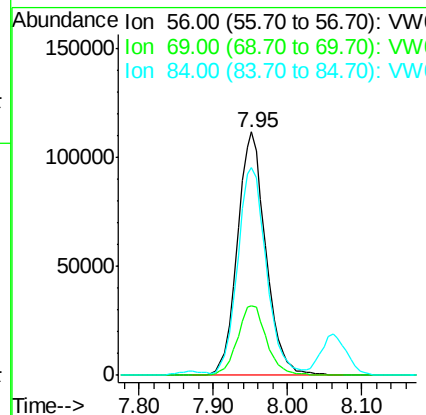
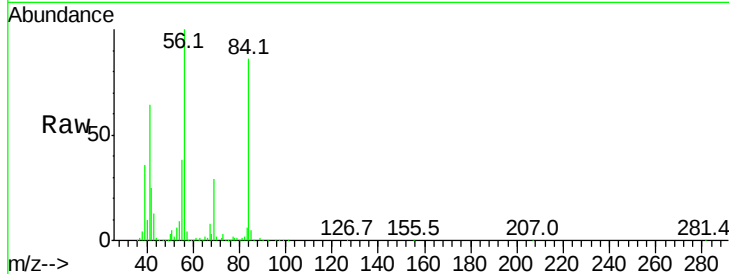




#30
Cyclohexane
Concen: 27.598 ug/L
RT: 7.95 min Scan# 992
Delta R.T. 0.01 min
Lab File: VW009218.D
Acq: 18 Mar 2019 09:18

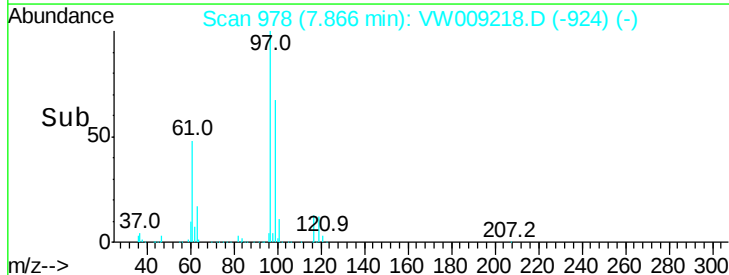
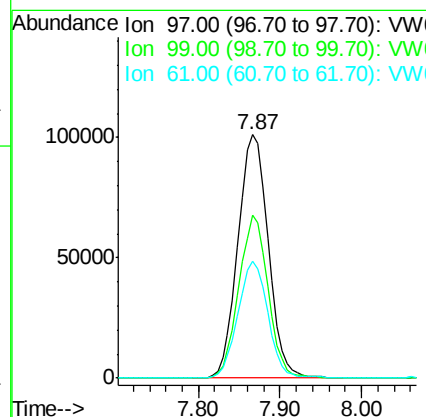
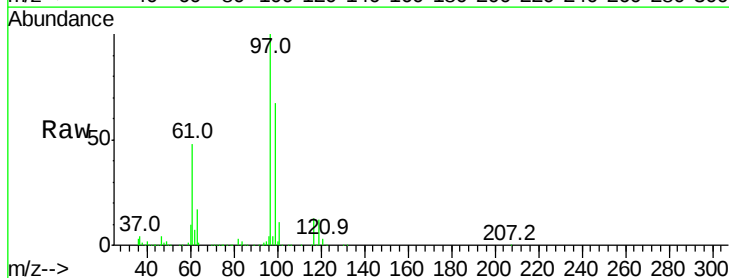
Instrument :
MSVOA_W
ClientSampled :
VSTD02550

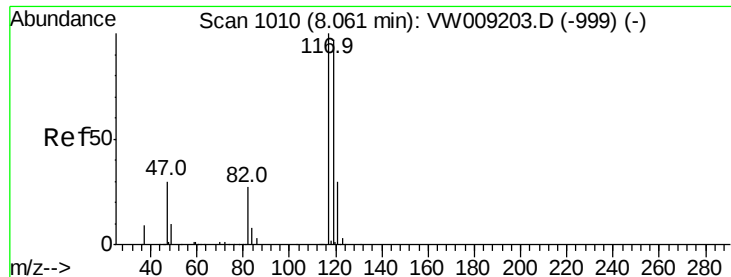
Tgt Ion: 56 Resp: 297852
Ion Ratio Lower Upper
56 100
69 29.4 24.0 36.0
84 87.1 69.2 103.8



#31
1,1,1-Trichloroethane
Concen: 27.509 ug/L
RT: 7.87 min Scan# 978
Delta R.T. 0.00 min
Lab File: VW009218.D
Acq: 18 Mar 2019 09:18

Tgt Ion: 97 Resp: 261088
Ion Ratio Lower Upper
97 100
99 64.6 51.2 76.8
61 47.1 38.4 57.6





#32

Carbon tetrachloride

Concen: 28.849 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VW009218.D

Acq: 18 Mar 2019 09:18

Instrument :

MSVOA_W

ClientSampleId :

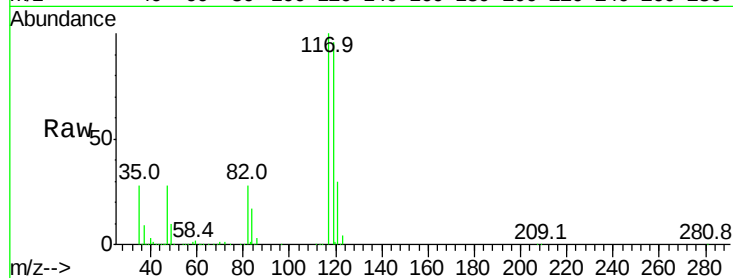
VSTD02550

Tgt Ion:117 Resp: 276253

Ion Ratio Lower Upper

117 100

119 95.4 78.0 117.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.06

120000

100000

80000

60000

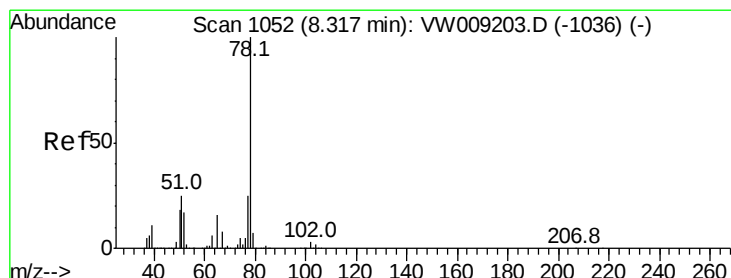
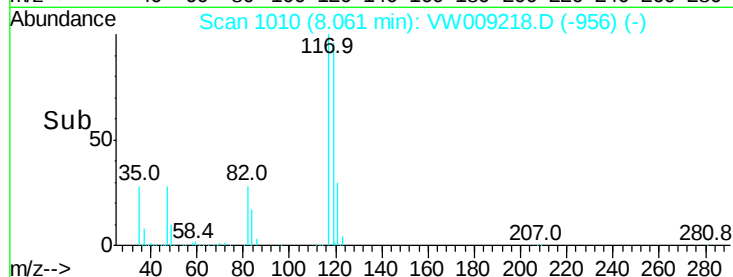
40000

20000

0

8.00 8.10 8.20

Time-->



#34

Benzene

Concen: 27.090 ug/L

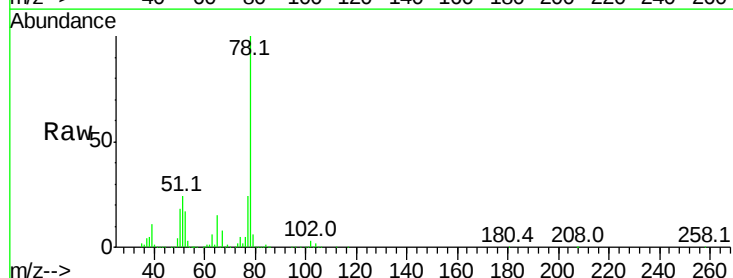
RT: 8.32 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VW009218.D

Acq: 18 Mar 2019 09:18

Tgt Ion: 78 Resp: 704629



Abundance Ion 78.00 (77.70 to 78.70): VW

8.32

300000

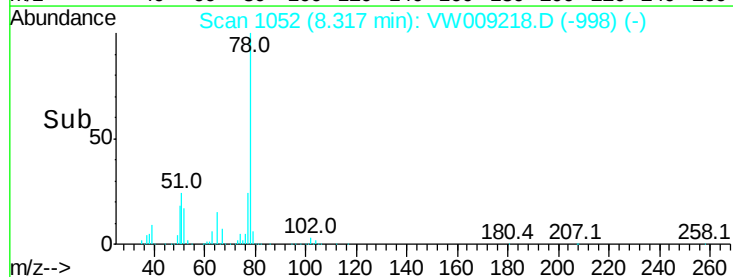
200000

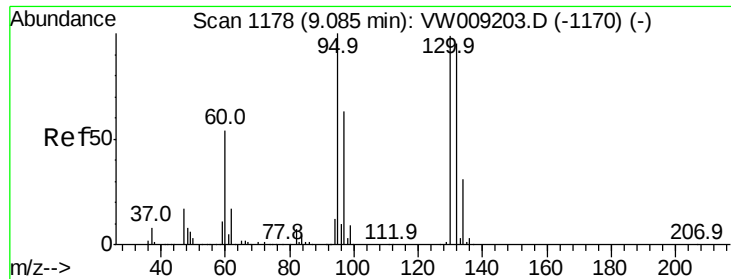
100000

0

8.20 8.30 8.40

Time-->

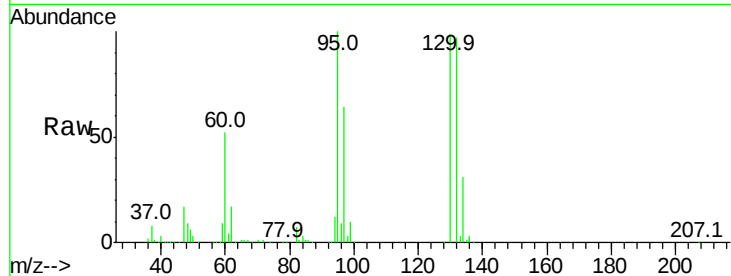




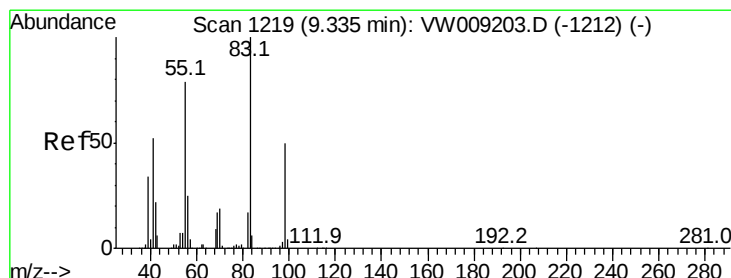
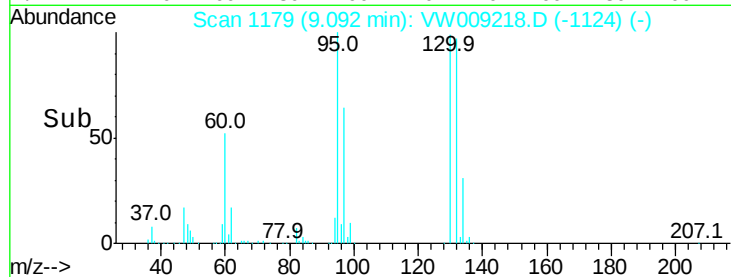
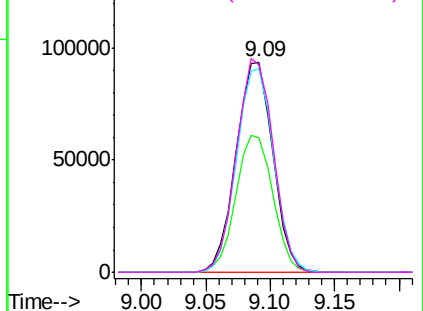
#35
 Trichloroethene
 Concen: 26.745 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.01 min
 Lab File: VW009218.D
 Acq: 18 Mar 2019 09:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02550

Tgt Ion: 95 Resp: 185361
 Ion Ratio Lower Upper
 95 100
 97 65.6 44.7 82.9
 132 98.6 69.0 128.2
 130 101.7 72.7 134.9

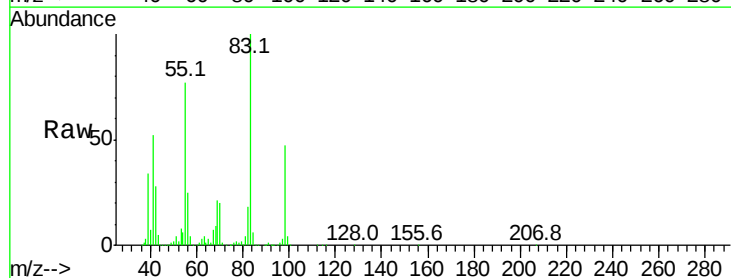


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

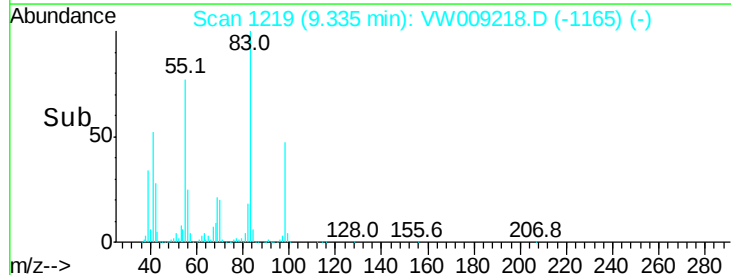
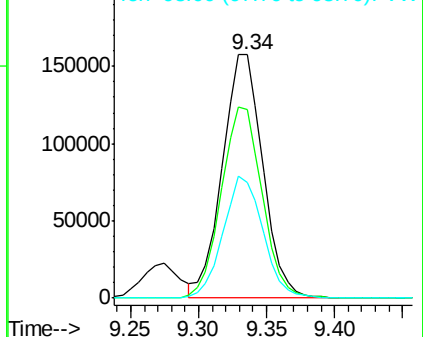


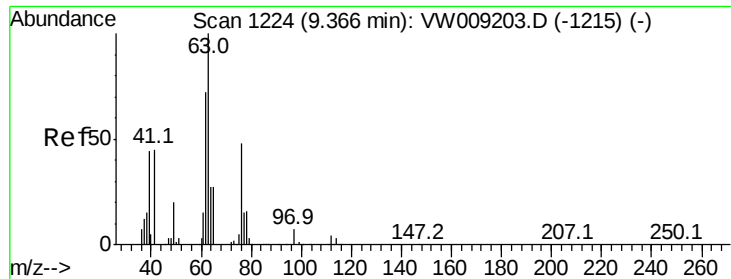
#36
 Methylcyclohexane
 Concen: 27.241 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW009218.D
 Acq: 18 Mar 2019 09:18

Tgt Ion: 83 Resp: 326639
 Ion Ratio Lower Upper
 83 100
 55 78.9 63.5 95.3
 98 49.4 39.8 59.8



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

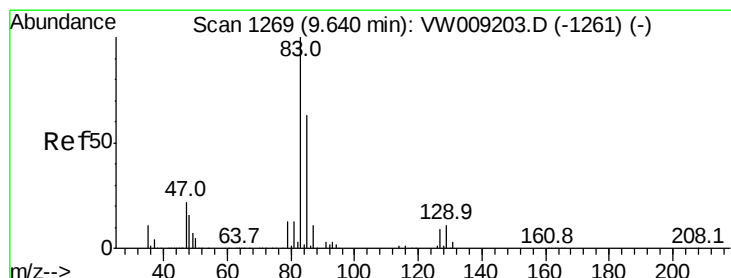
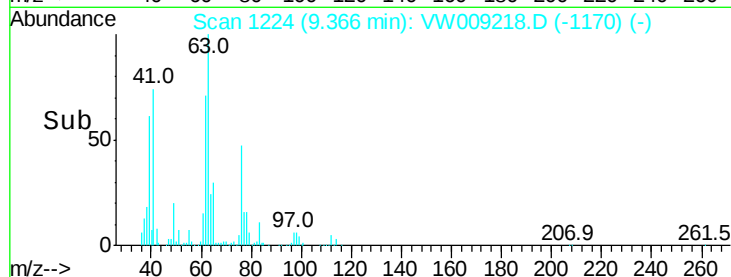
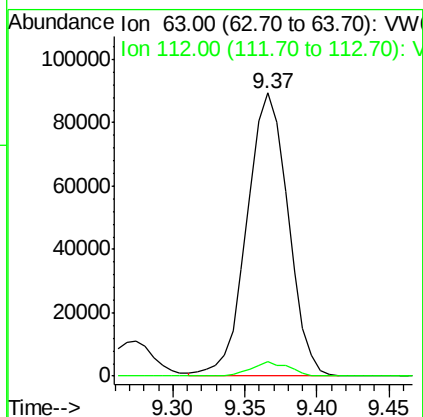
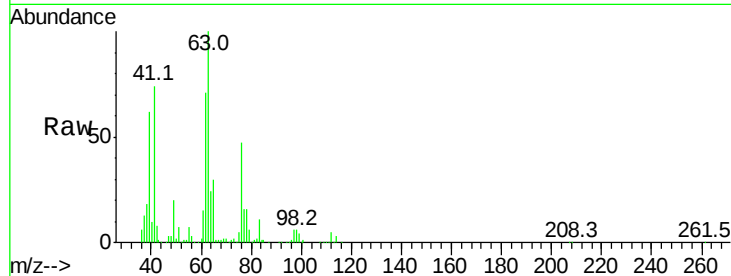




#40
 1,2-Dichloropropane
 Concen: 26.598 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW009218.D
 Acq: 18 Mar 2019 09:18

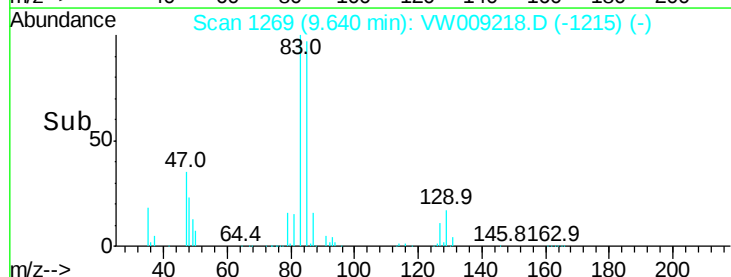
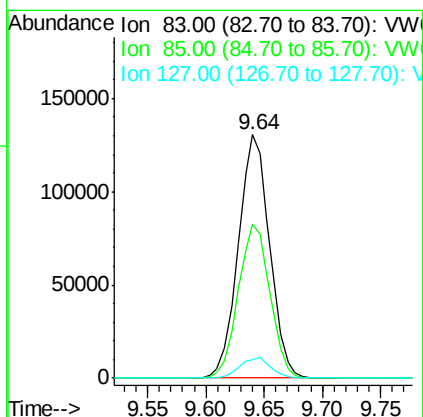
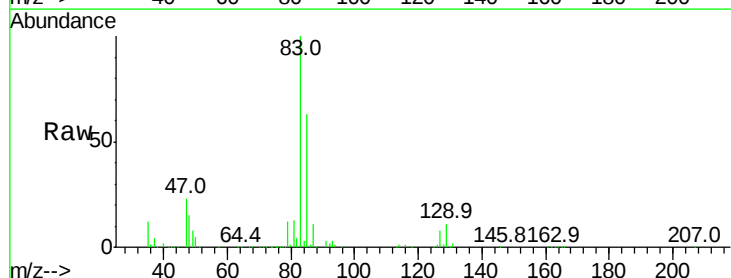
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02550

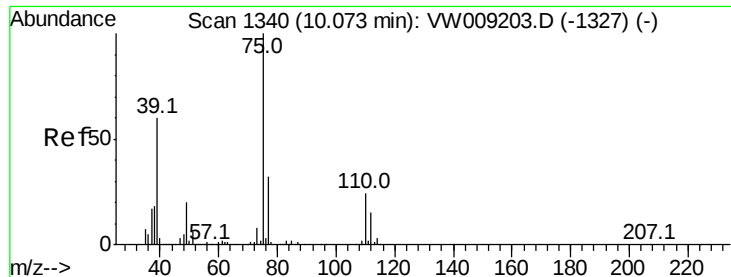
Tgt Ion: 63 Resp: 177529
 Ion Ratio Lower Upper
 63 100
 112 4.8 4.0 6.0



#41
 Bromodichloromethane
 Concen: 26.512 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW009218.D
 Acq: 18 Mar 2019 09:18

Tgt Ion: 83 Resp: 245182
 Ion Ratio Lower Upper
 83 100
 85 63.4 43.5 80.7
 127 7.5 6.2 9.4





#42

cis-1,3-Dichloropropene

Concen: 26.258 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009218.D

Acq: 18 Mar 2019 09:18

Instrument :

MSVOA_W

ClientSampleId :

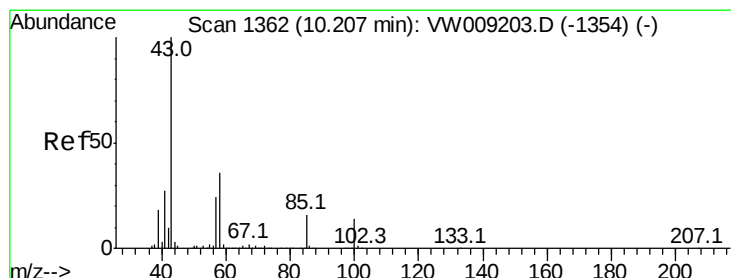
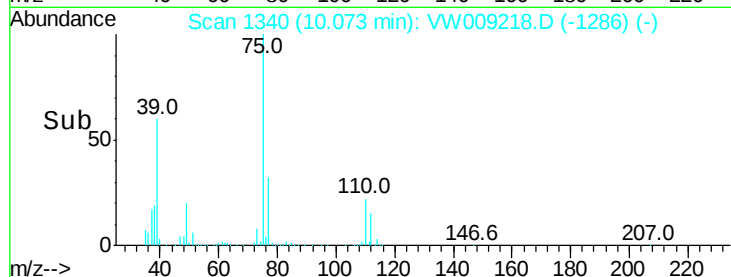
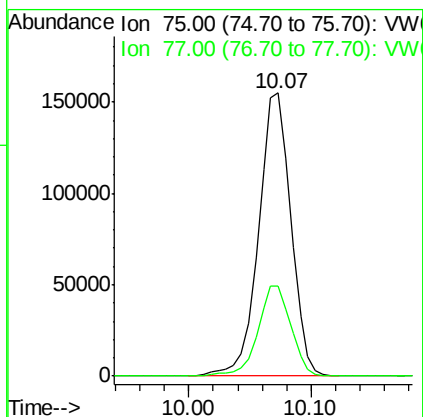
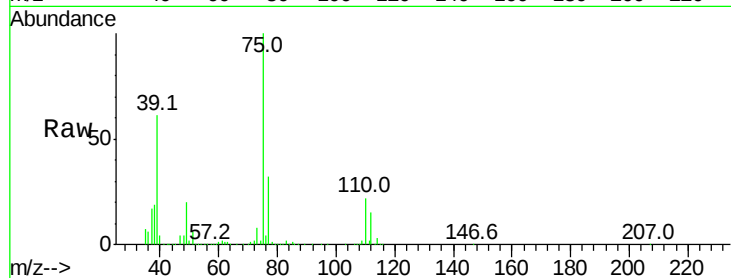
VSTD02550

Tgt Ion: 75 Resp: 285442

Ion Ratio Lower Upper

75 100

77 32.0 21.6 40.2



#43

4-Methyl-2-pentanone

Concen: 48.126 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW009218.D

Acq: 18 Mar 2019 09:18

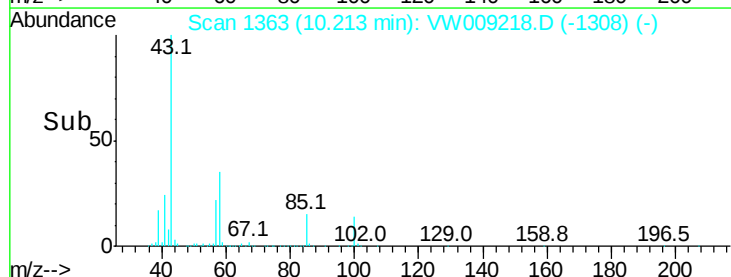
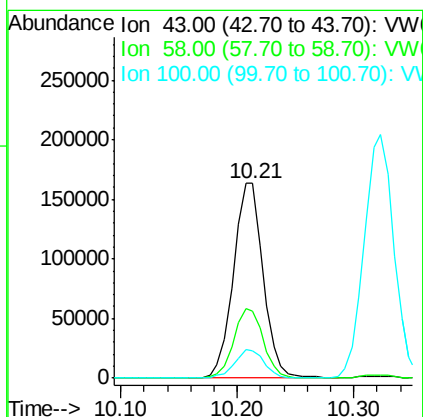
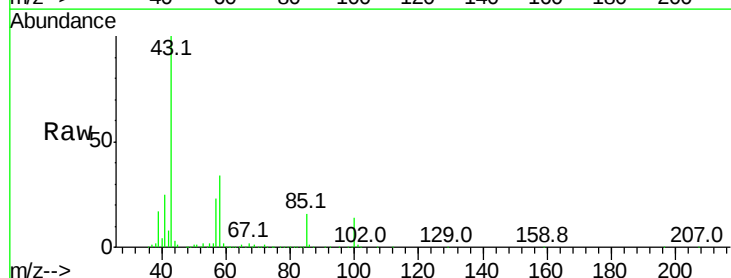
Tgt Ion: 43 Resp: 291072

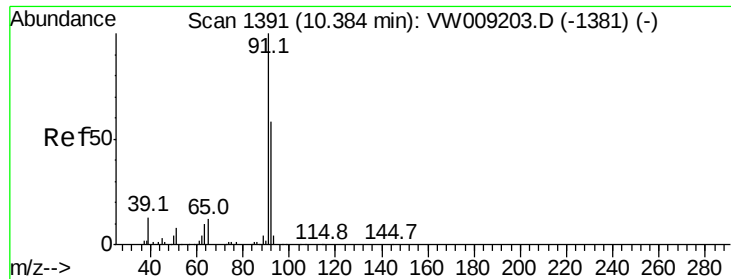
Ion Ratio Lower Upper

43 100

58 35.7 28.2 42.2

100 14.6 11.4 17.2





#44

Toluene

Concen: 26.759 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW009218.D

Acq: 18 Mar 2019 09:18

Instrument :

MSVOA_W

ClientSampleId :

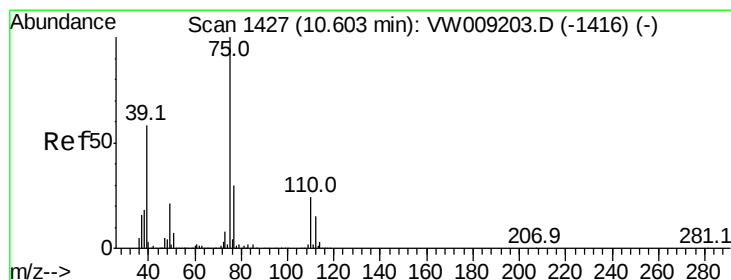
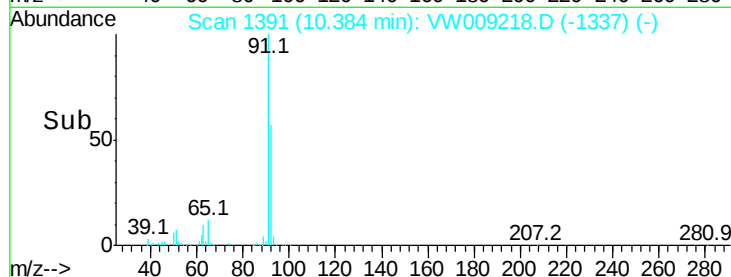
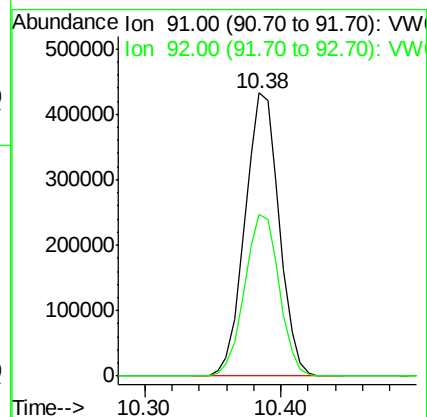
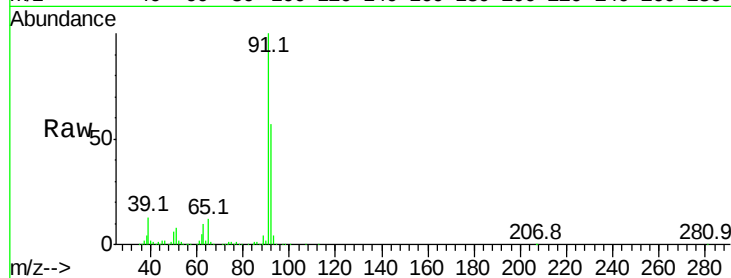
VSTD02550

Tgt Ion: 91 Resp: 761002

Ion Ratio Lower Upper

91 100

92 57.3 39.8 73.8



#45

trans-1,3-Dichloropropene

Concen: 26.624 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009218.D

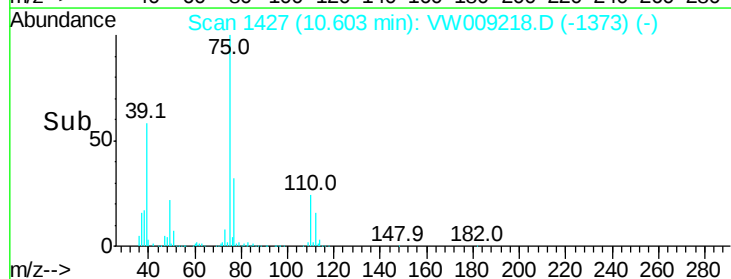
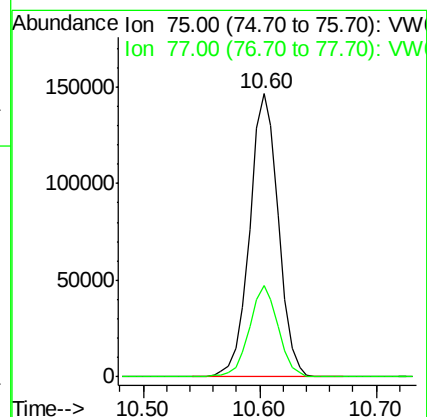
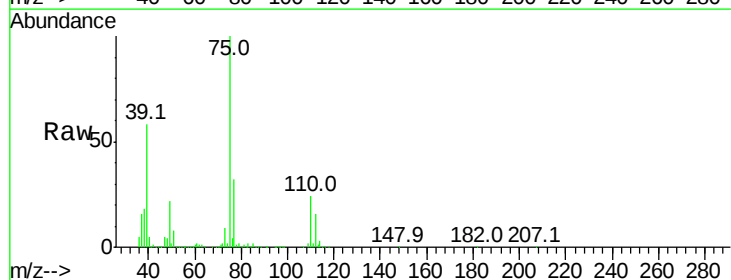
Acq: 18 Mar 2019 09:18

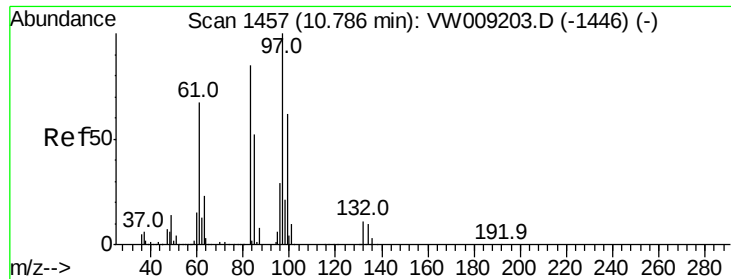
Tgt Ion: 75 Resp: 251774

Ion Ratio Lower Upper

75 100

77 32.3 22.5 41.7





#46

1,1,2-Trichloroethane

Concen: 25.676 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW009218.D

Acq: 18 Mar 2019 09:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD02550

Tgt Ion: 97 Resp: 136719

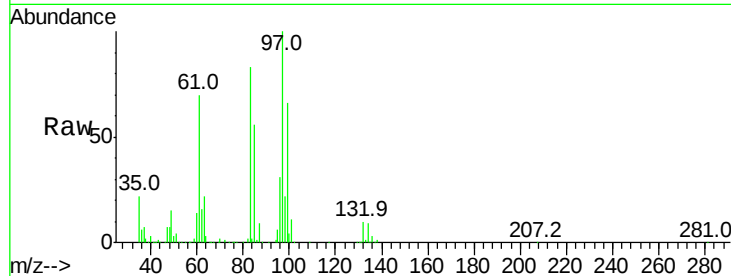
Ion Ratio Lower Upper

97 100

83 83.2 60.7 112.7

85 55.8 40.1 74.5

99 65.9 43.8 81.3



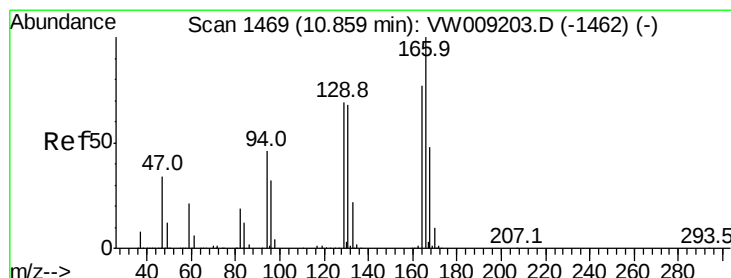
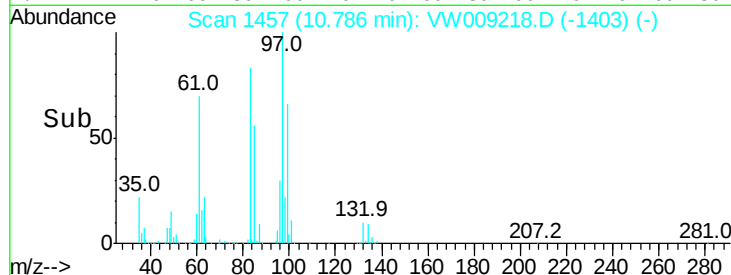
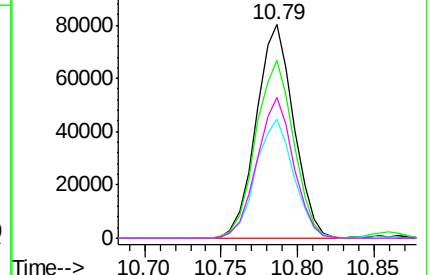
Abundance

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: 26.637 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW009218.D

Acq: 18 Mar 2019 09:18

Tgt Ion: 164 Resp: 155991

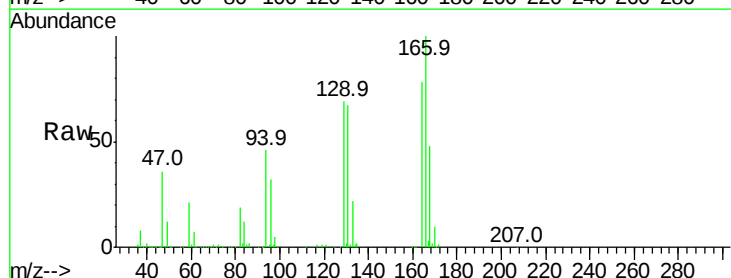
Ion Ratio Lower Upper

164 100

129 88.3 66.5 123.5

131 86.0 62.6 116.3

166 128.4 91.6 170.0



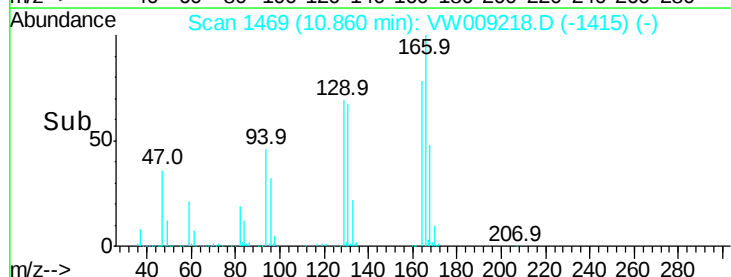
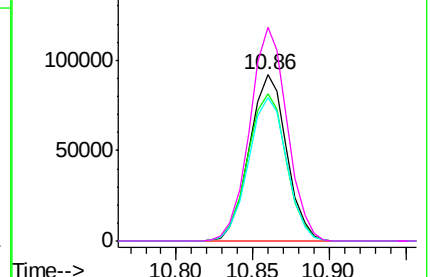
Abundance

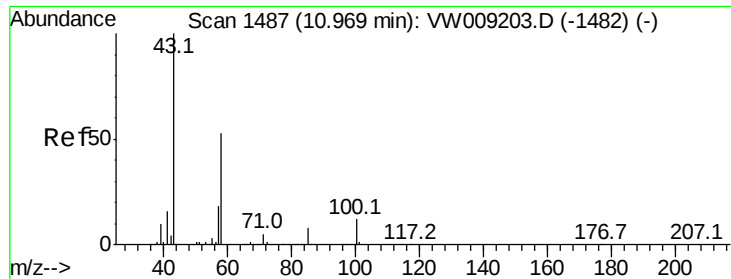
Ion 164.00 (163.70 to 164.70): V

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: 51.233 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW009218.D

Acq: 18 Mar 2019 09:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD02550

Tgt Ion: 43 Resp: 218239

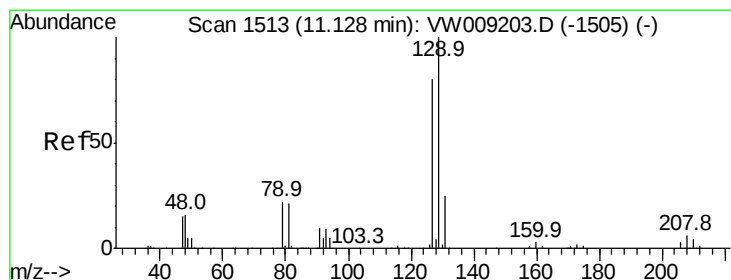
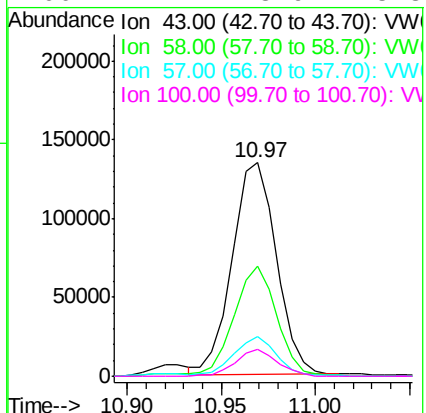
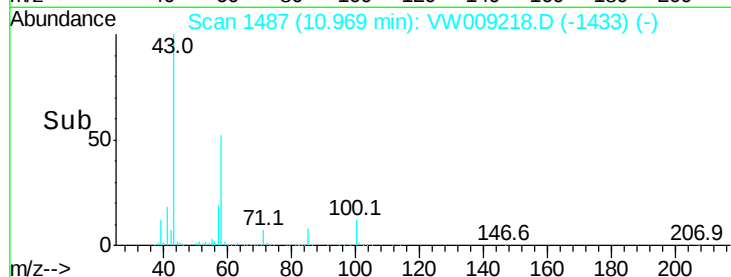
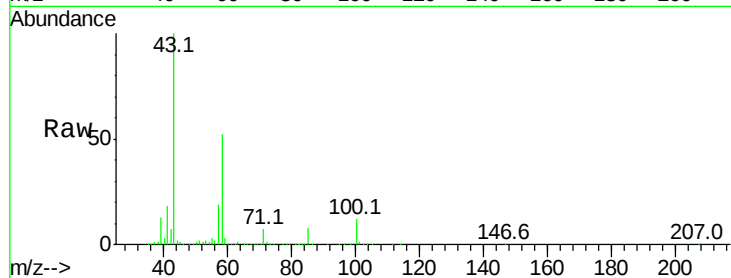
Ion Ratio Lower Upper

43 100

58 51.8 39.2 58.8

57 18.4 14.2 21.2

100 12.1 8.9 13.3



#50

Dibromochloromethane

Concen: 26.882 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW009218.D

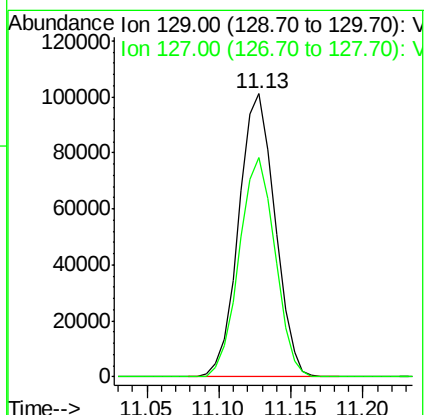
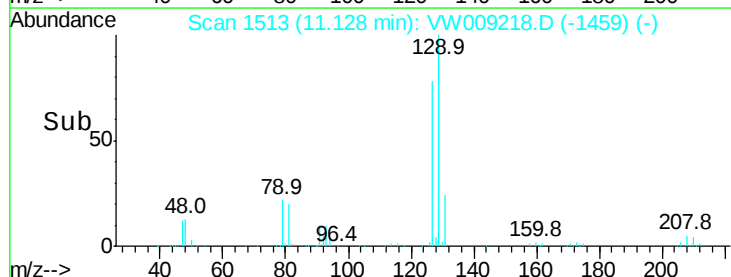
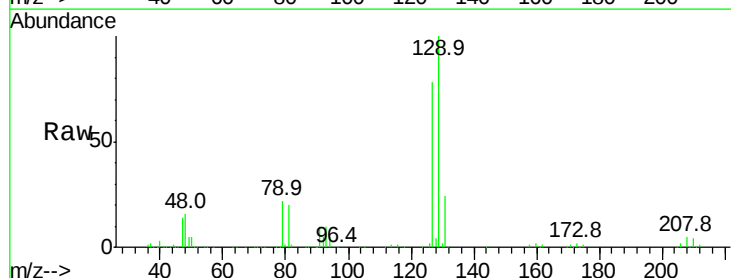
Acq: 18 Mar 2019 09:18

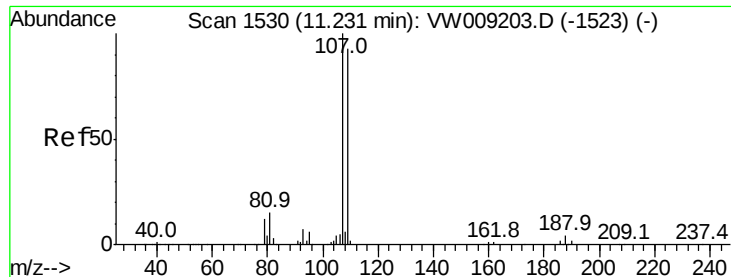
Tgt Ion: 129 Resp: 176705

Ion Ratio Lower Upper

129 100

127 77.6 56.8 105.6

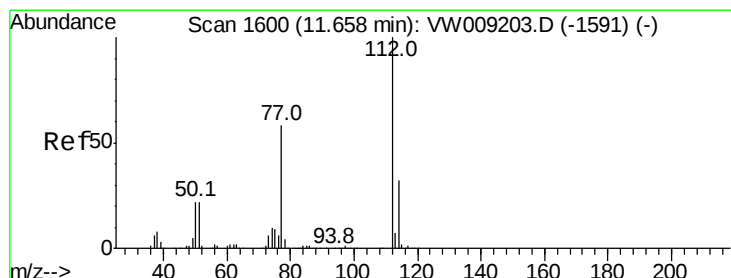
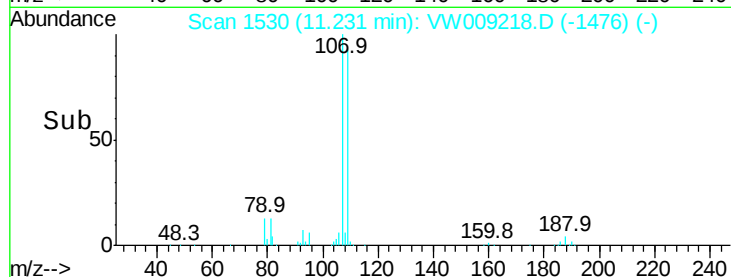
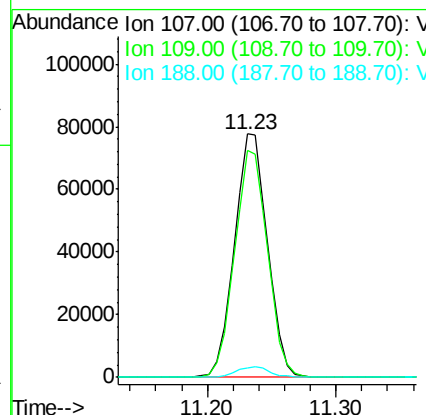
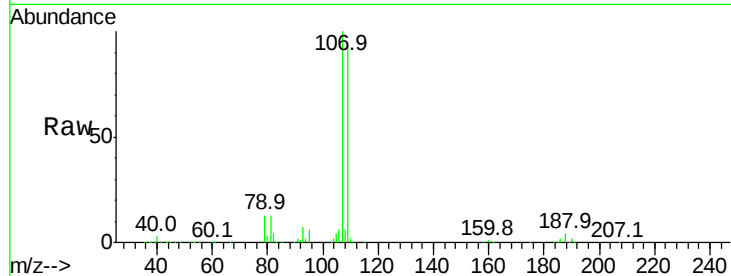




#51
 1,2-Dibromoethane
 Concen: 25.677 ug/L
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW009218.D
 Acq: 18 Mar 2019 09:18

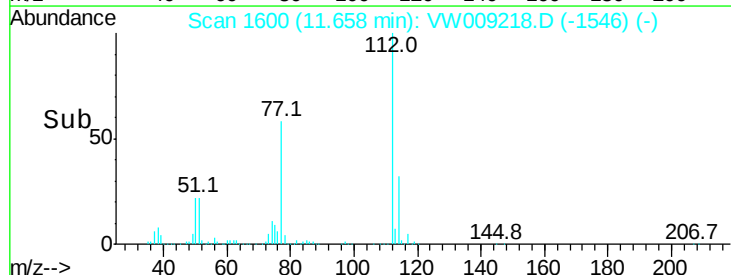
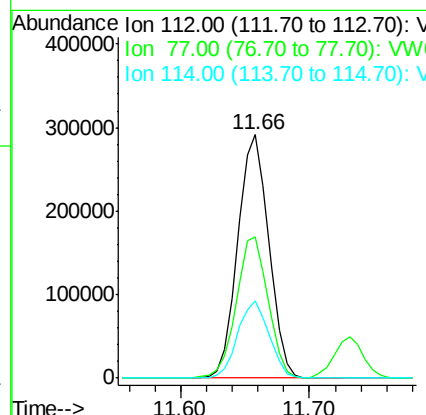
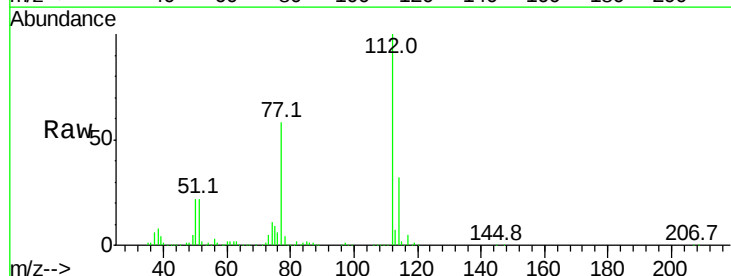
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02550

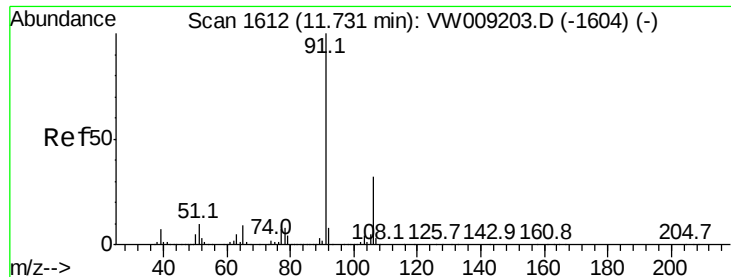
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.0	68.0	126.4
188	3.9	3.5	5.3



#52
 Chlorobenzene
 Concen: 26.727 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW009218.D
 Acq: 18 Mar 2019 09:18

Tgt Ion	Ratio	Lower	Upper
112	100		
77	58.0	45.7	68.5
114	31.8	22.8	42.4





#53

Ethylbenzene

Concen: 27.296 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009218.D

Acq: 18 Mar 2019 09:18

Instrument :

MSVOA_W

ClientSampleId :

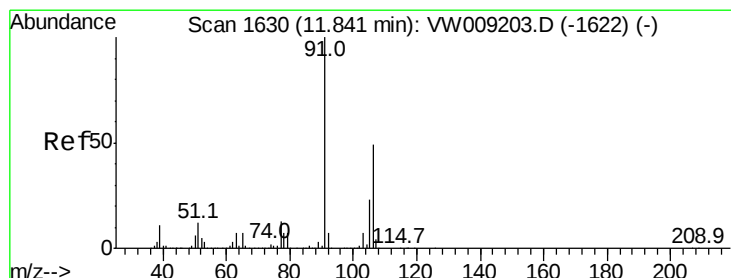
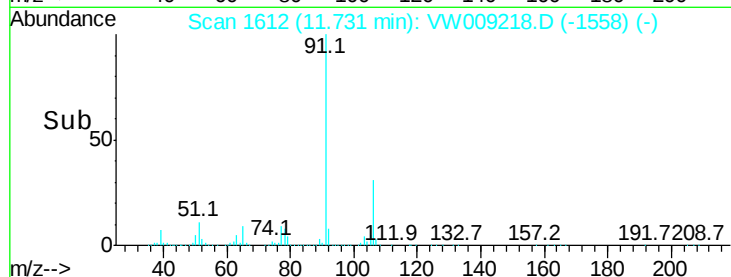
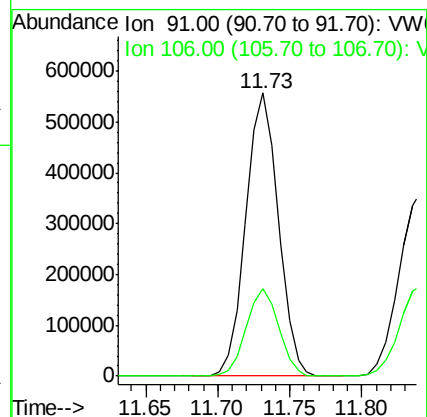
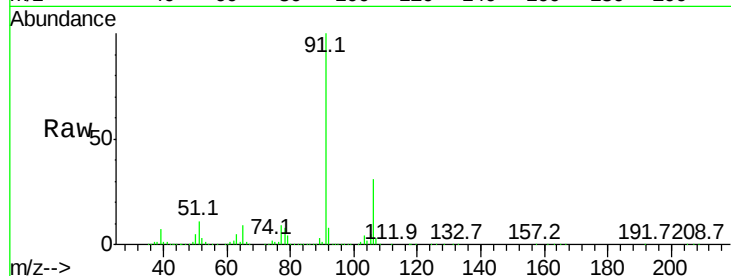
VSTD02550

Tgt Ion: 91 Resp: 872729

Ion Ratio Lower Upper

91 100

106 31.1 21.0 39.0



#54

m,p-Xylene

Concen: 27.123 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW009218.D

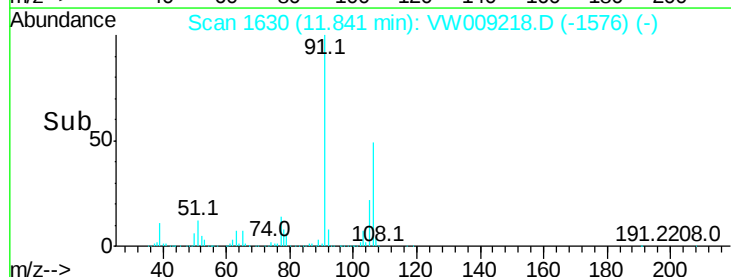
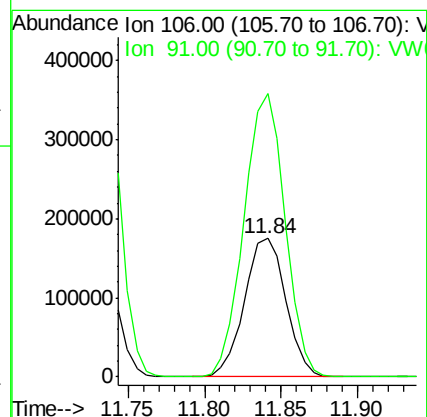
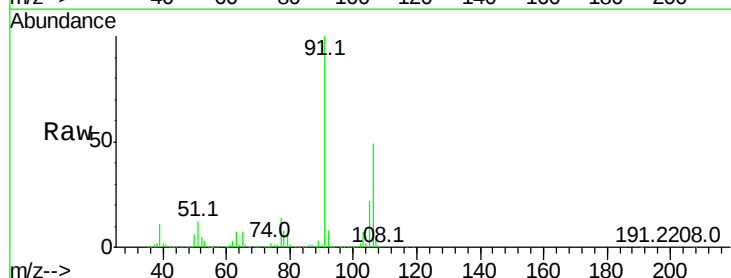
Acq: 18 Mar 2019 09:18

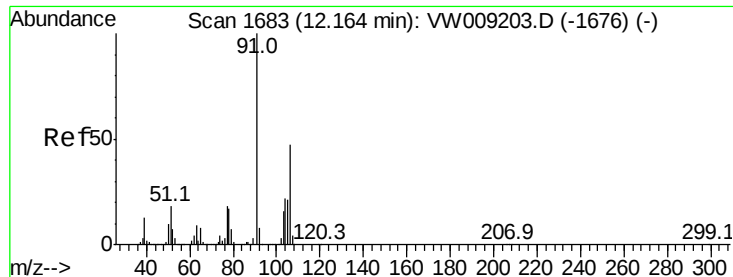
Tgt Ion: 106 Resp: 329467

Ion Ratio Lower Upper

106 100

91 204.8 138.4 257.0





#55

o-xylene

Concen: 26.567 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW009218.D

Acq: 18 Mar 2019 09:18

Instrument :

MSVOA_W

ClientSampleId :

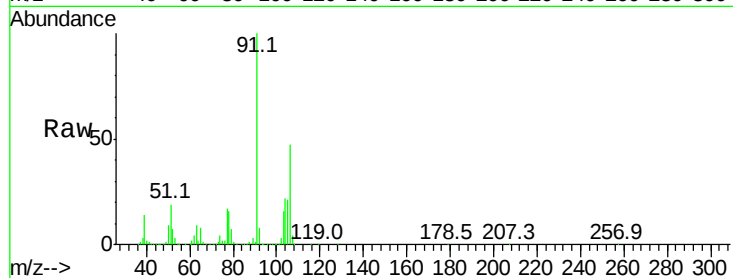
VSTD02550

Tgt Ion:106 Resp: 314827

Ion Ratio Lower Upper

106 100

91 214.3 153.2 284.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

500000

400000

300000

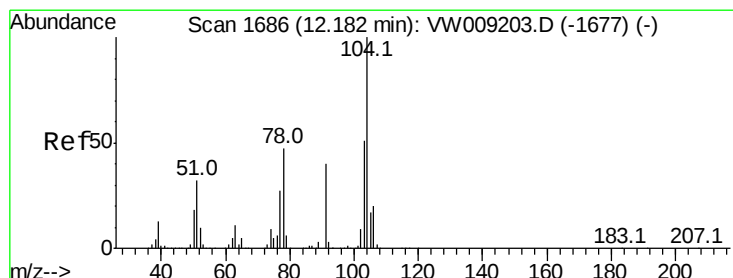
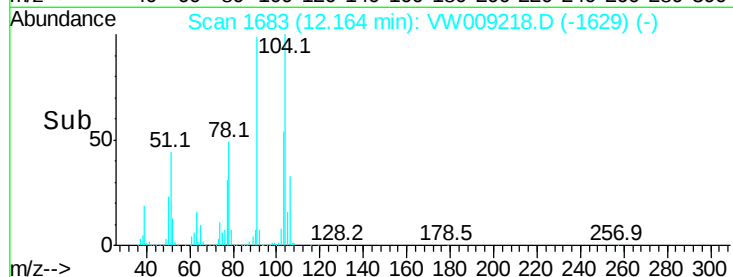
200000

100000

0

12.10 12.15 12.20

Time-->



#56

Styrene

Concen: 27.286 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW009218.D

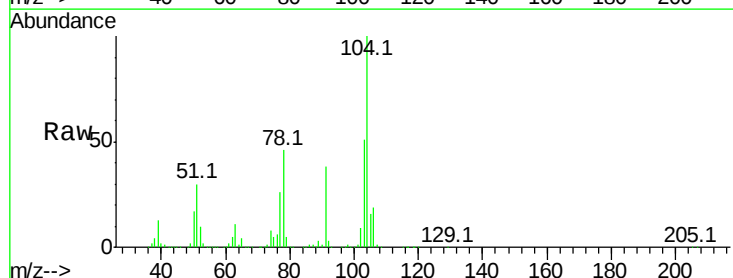
Acq: 18 Mar 2019 09:18

Tgt Ion:104 Resp: 551700

Ion Ratio Lower Upper

104 100

78 46.1 30.9 57.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

400000

300000

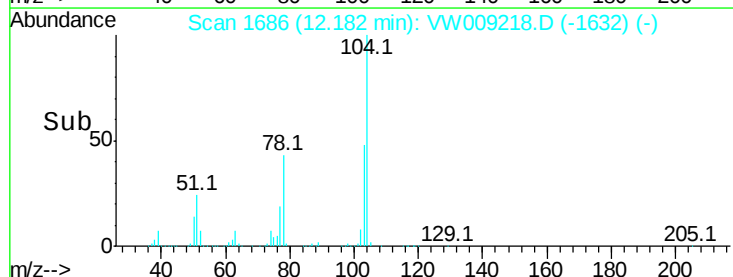
200000

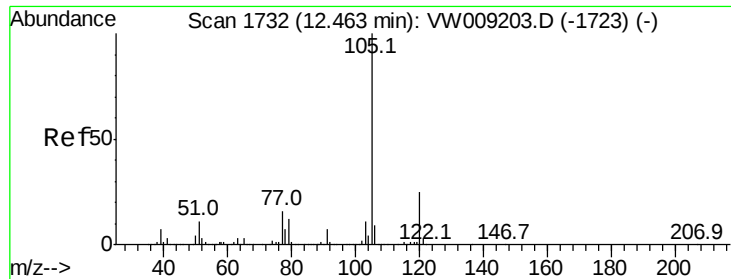
100000

0

12.10 12.15 12.20 12.25

Time-->





#57

Isopropylbenzene

Concen: 27.444 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW009218.D

Acq: 18 Mar 2019 09:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD02550

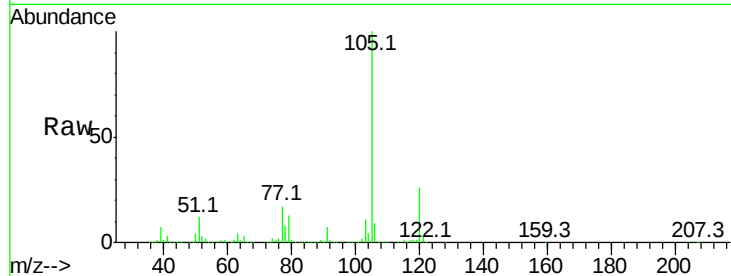
Tgt Ion: 105 Resp: 871211

Ion Ratio Lower Upper

105 100

120 26.0 21.3 31.9

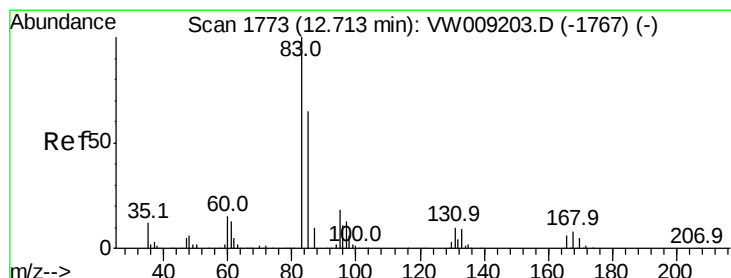
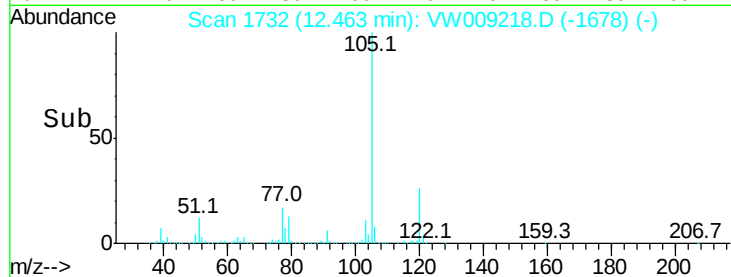
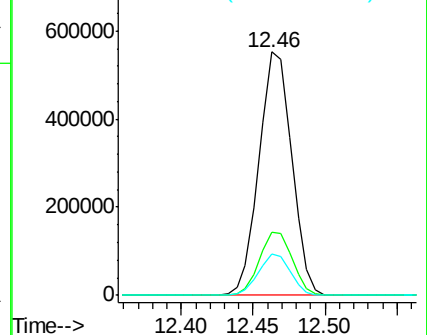
77 16.5 13.1 19.7



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: 25.608 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009218.D

Acq: 18 Mar 2019 09:18

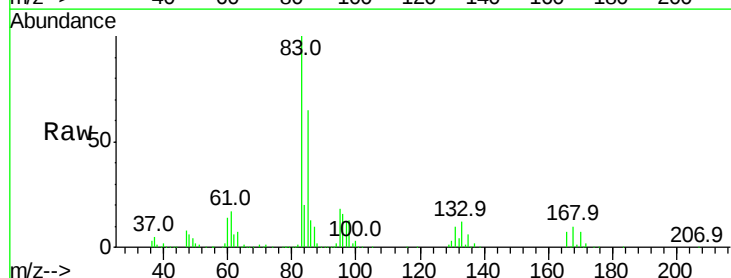
Tgt Ion: 83 Resp: 183955

Ion Ratio Lower Upper

83 100

85 64.5 45.6 84.8

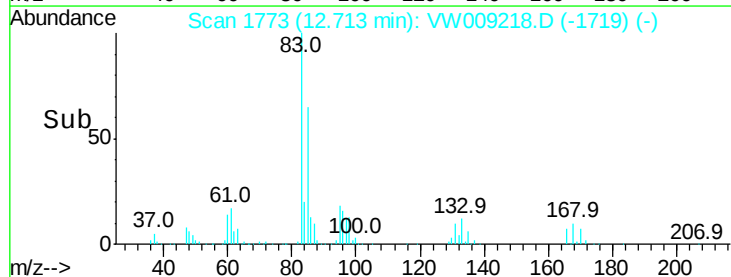
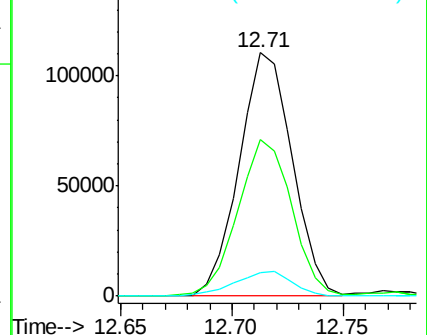
131 9.9 9.2 13.8

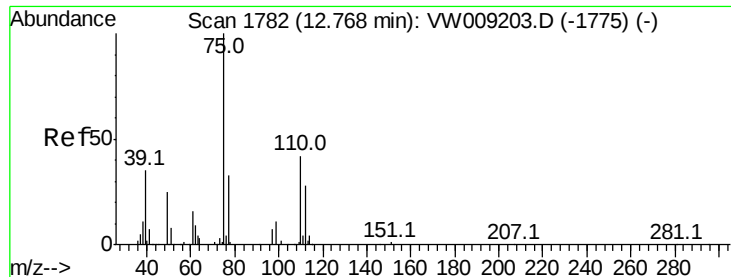


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.544 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW009218.D

Acq: 18 Mar 2019 09:18

Instrument :

MSVOA_W

ClientSampleId :

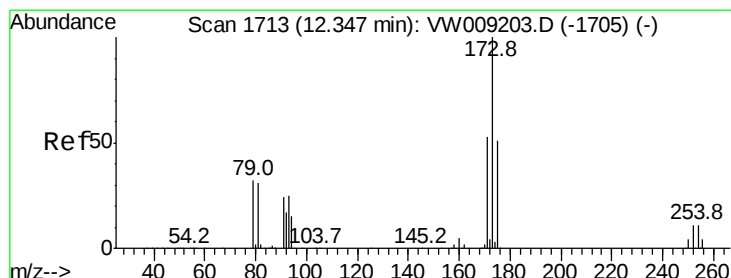
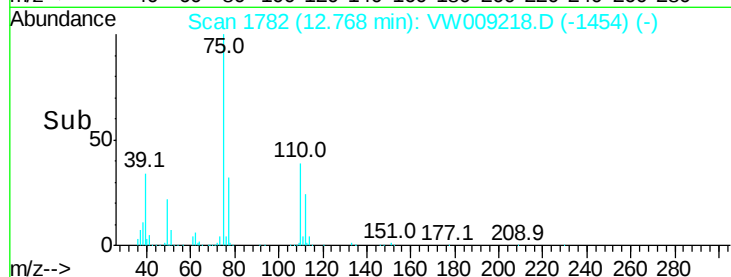
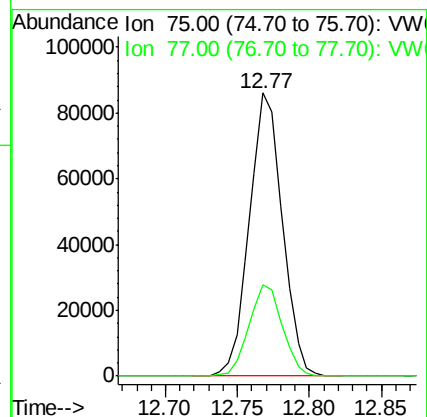
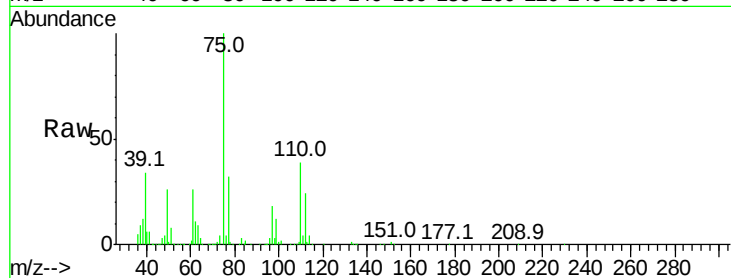
VSTD02550

Tgt Ion: 75 Resp: 136179

Ion Ratio Lower Upper

75 100

77 32.6 26.2 39.2



#62

Bromoform

Concen: 26.872 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW009218.D

Acq: 18 Mar 2019 09:18

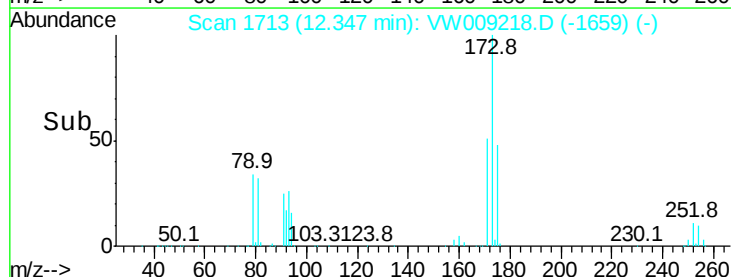
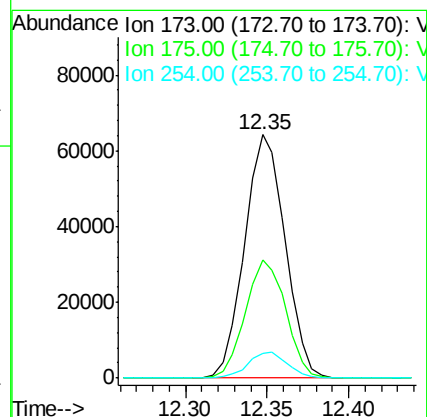
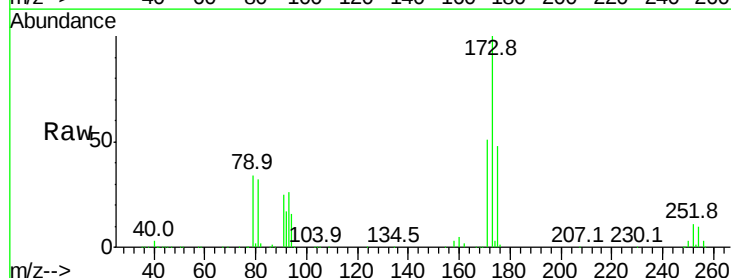
Tgt Ion: 173 Resp: 111283

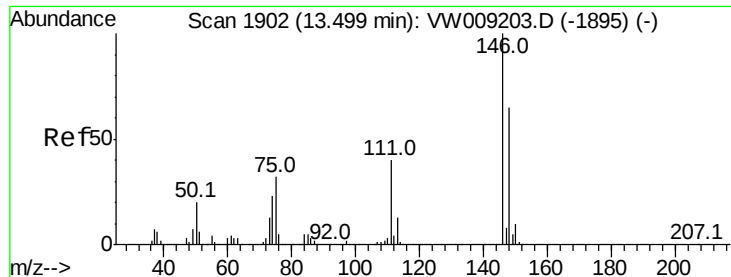
Ion Ratio Lower Upper

173 100

175 48.3 39.7 59.5

254 10.5 8.5 12.7

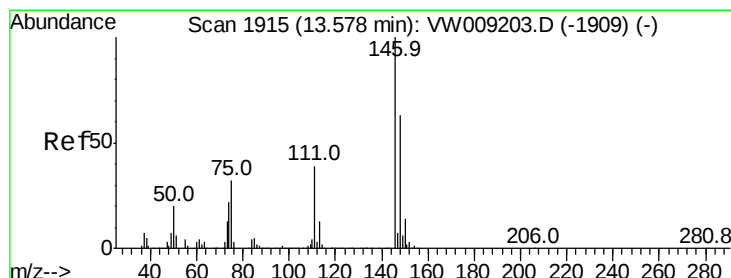
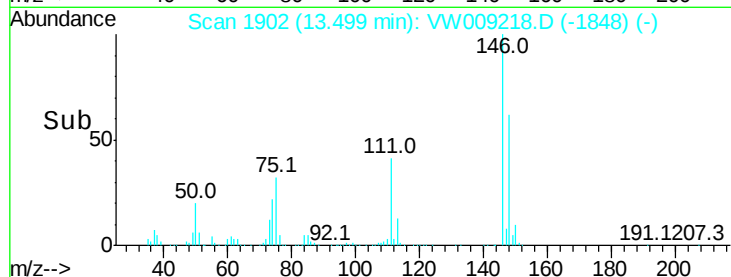
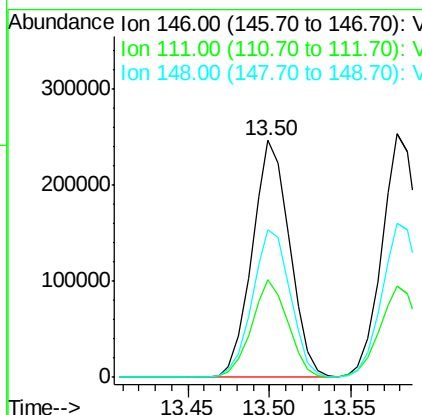
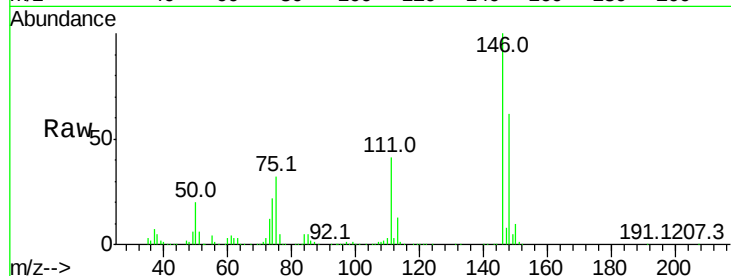




#63
 1,3-Dichlorobenzene
 Concen: 26.917 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009218.D
 Acq: 18 Mar 2019 09:18

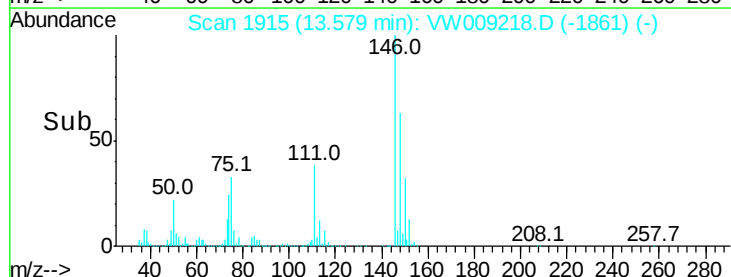
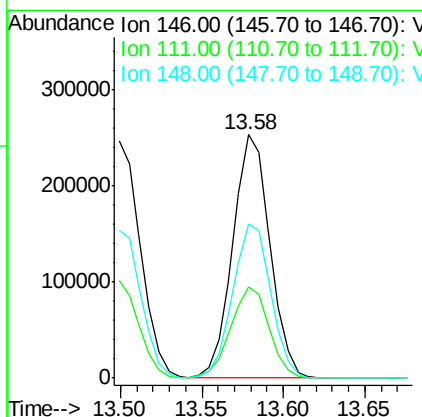
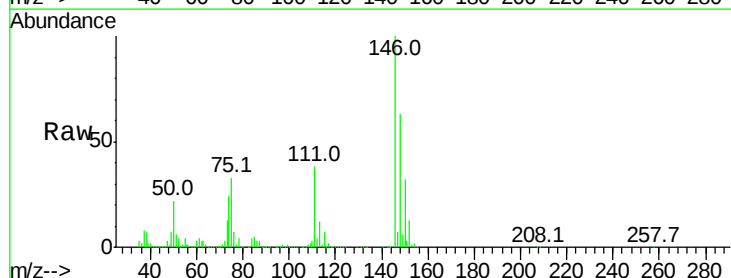
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02550

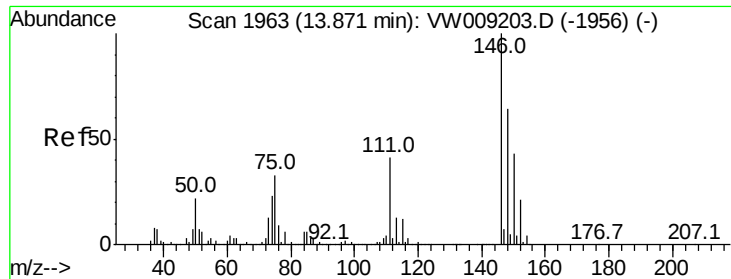
Tgt Ion:146 Resp: 393194
 Ion Ratio Lower Upper
 146 100
 111 41.0 26.9 49.9
 148 62.4 45.1 83.7



#64
 1,4-Dichlorobenzene
 Concen: 26.627 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW009218.D
 Acq: 18 Mar 2019 09:18

Tgt Ion:146 Resp: 402127
 Ion Ratio Lower Upper
 146 100
 111 37.6 27.8 51.6
 148 63.1 46.3 86.1

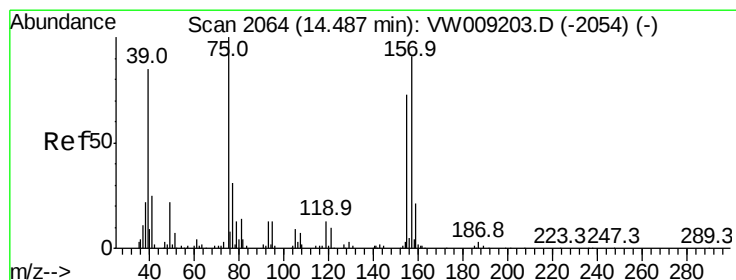
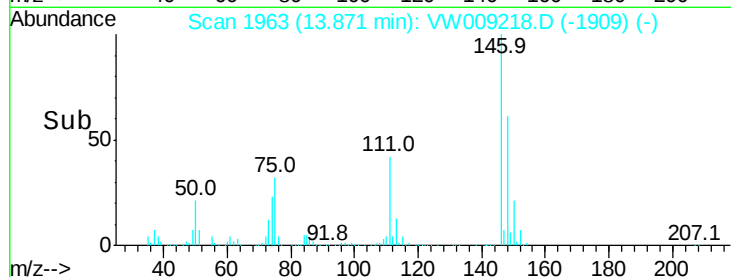
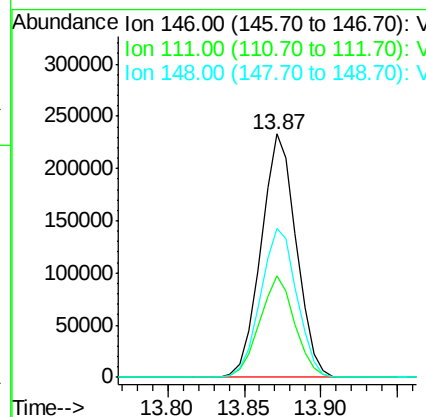
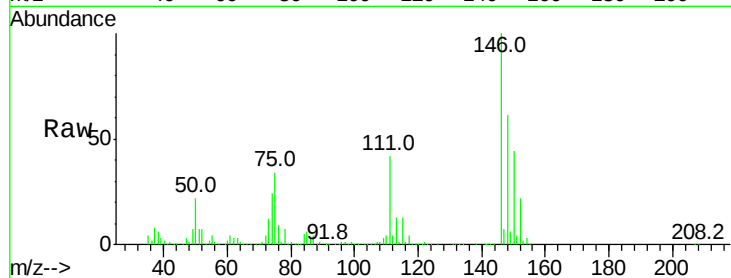




#65
 1,2-Dichlorobenzene
 Concen: 26.796 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009218.D
 Acq: 18 Mar 2019 09:18

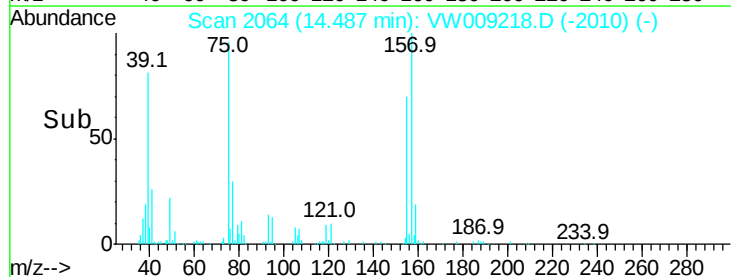
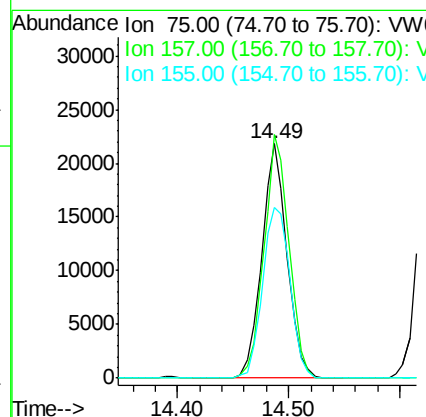
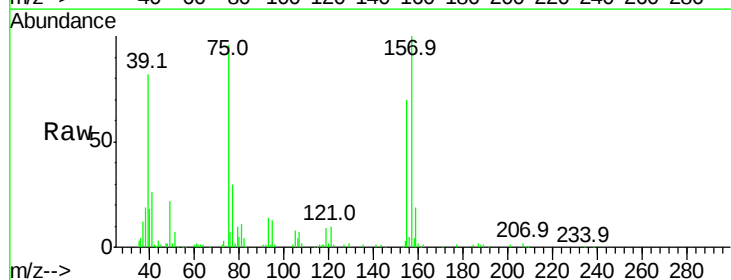
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02550

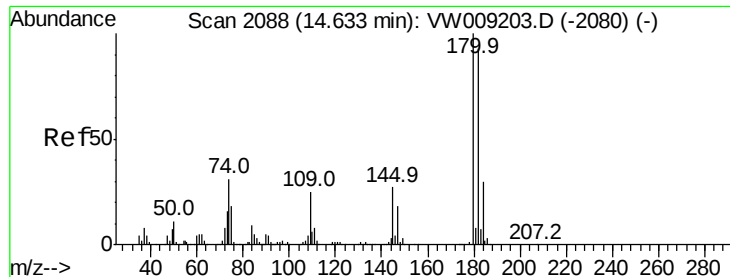
Tgt Ion:146 Resp: 373281
 Ion Ratio Lower Upper
 146 100
 111 41.9 33.5 50.3
 148 61.4 50.2 75.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 25.085 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009218.D
 Acq: 18 Mar 2019 09:18

Tgt Ion: 75 Resp: 34248
 Ion Ratio Lower Upper
 75 100
 157 104.0 89.0 133.4
 155 72.8 64.2 96.2

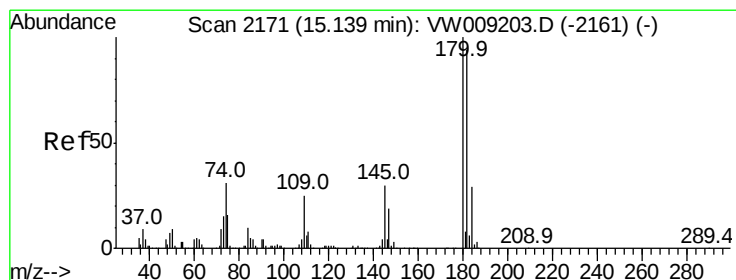
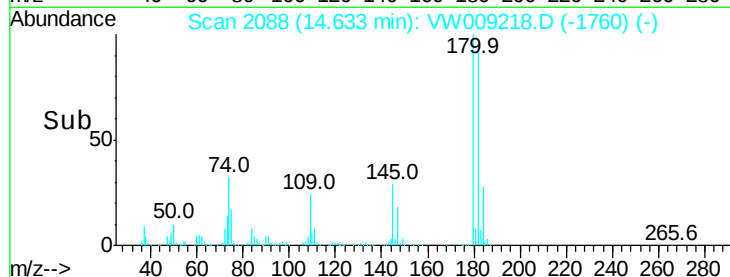
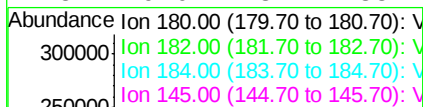
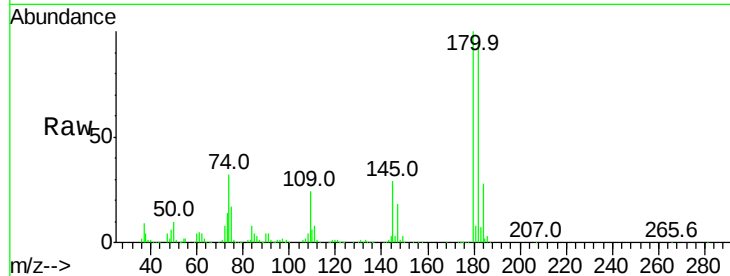




#67
 1,3,5-Trichlorobenzene
 Concen: 27.417 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW009218.D
 Acq: 18 Mar 2019 09:18

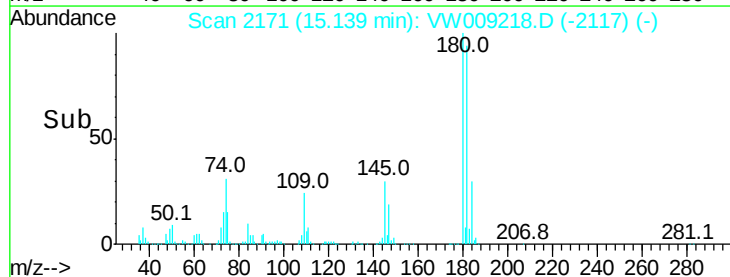
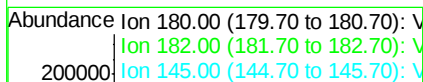
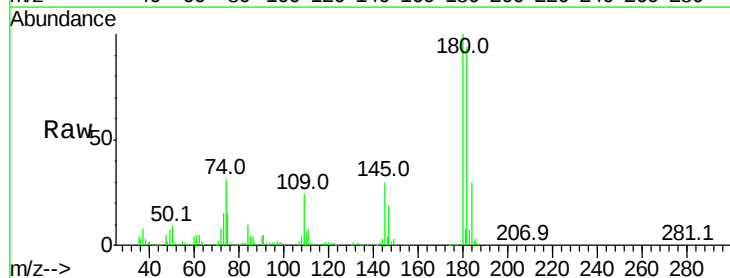
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD02550

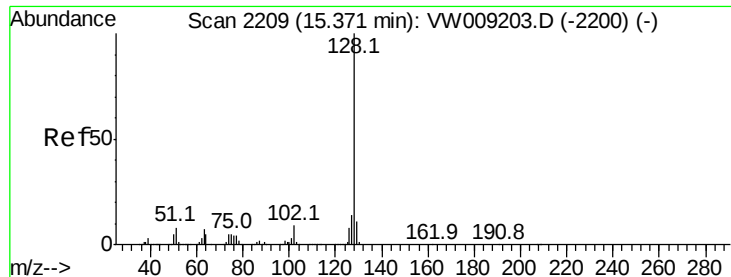
Tgt Ion:	180	Resp:	312385
Ion	Ratio	Lower	Upper
180	100		
182	93.7	76.1	114.1
184	29.6	23.8	35.6
145	29.0	23.4	35.2



#68
 1,2,4-trichlorobenzene
 Concen: 27.088 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009218.D
 Acq: 18 Mar 2019 09:18

Tgt Ion:	180	Resp:	259248
Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.5	113.3
145	30.5	24.1	36.1





#69

Naphthalene

Concen: 27.161 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009218.D

Acq: 18 Mar 2019 09:18

Instrument :

MSVOA_W

ClientSampleId :

VSTD02550

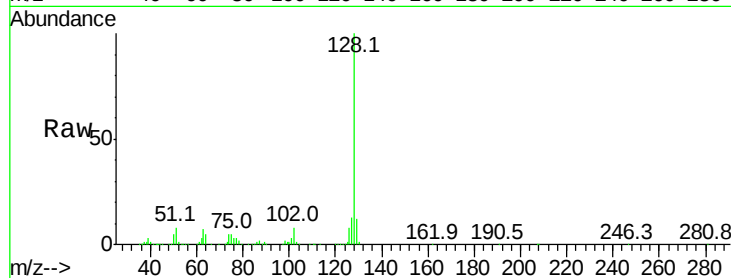
Tgt Ion:128 Resp: 538934

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

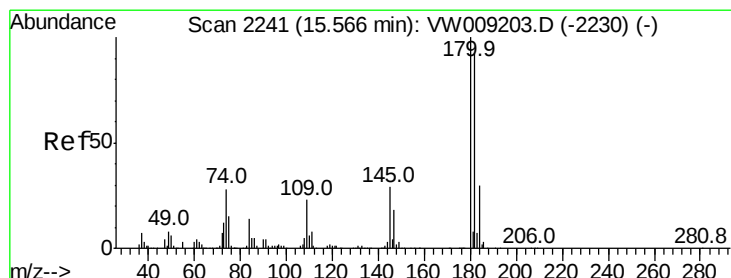
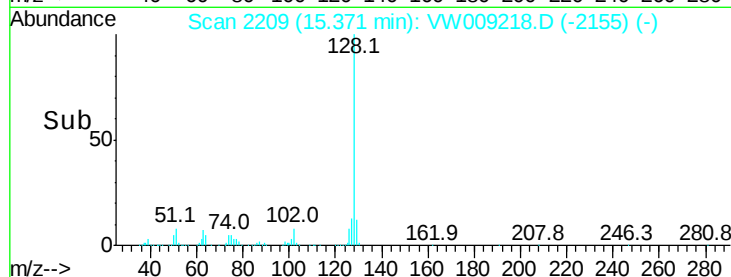
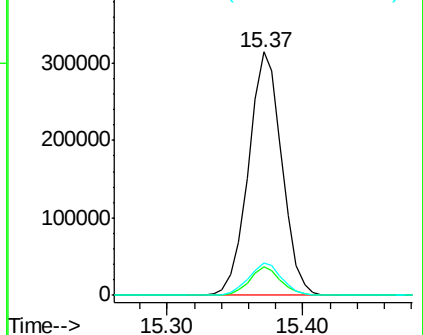
127 13.4 11.1 16.7



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: 27.442 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.01 min

Lab File: VW009218.D

Acq: 18 Mar 2019 09:18

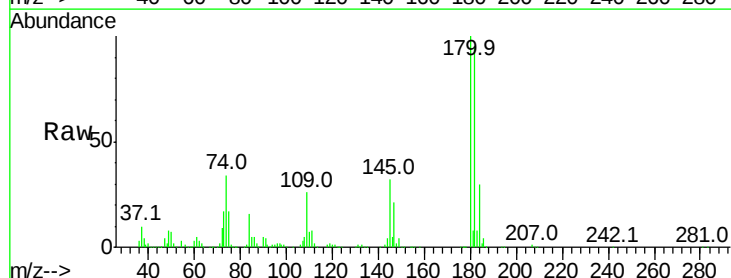
Tgt Ion:180 Resp: 245987

Ion Ratio Lower Upper

180 100

182 93.8 77.2 115.8

145 31.7 25.8 38.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

