

Data File : VW005936.D
Acq On : 09 Oct 2018 11:35
Operator : SY/AP
Sample : VSTD2.594
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.594

Quant Time: Oct 09 14:06:25 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
Quant Title : VOC Analysis
QLast Update : Tue Oct 09 14:04:00 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	400908	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	375646	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	200813	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	13053	2.55	ug/L	0.00
7) Chloroethane-d5	2.89	69	9972	2.50	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.01	63	22833	2.05	ug/L	0.00
20) 2-Butanone-d5	7.09	46	5821	3.55	ug/L	0.00
24) Chloroform-d	7.65	84	21213	2.06	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	11600	1.86	ug/L	0.00
29) Benzene-d6	8.27	84	41645	2.24	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.28	67	12761	2.37	ug/L	0.00
37) Toluene-d8	10.32	98	40575	2.21	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	5721	2.03	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	4928	3.92	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	10682	2.05	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.86	152	15882	2.24	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.02	85	7281	1.549 ug/L	86
3) Chloromethane	2.21	50	9589	2.190 ug/L	93
5) Vinyl chloride	2.36	62	15068	2.386 ug/L	96
6) Bromomethane	2.78	94	11320	2.980 ug/L	97
8) Chloroethane	2.93	64	8492	2.419 ug/L	98
9) Trichlorofluoromethane	3.25	101	10495	2.175 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	10688	1.961 ug/L	94
12) 1,1-Dichloroethene	4.03	96	11234	2.158 ug/L	87
13) Acetone	4.14	43	7443	4.356 ug/L	98
14) Carbon disulfide	4.37	76	37920	2.323 ug/L	98
15) Methyl Acetate	4.68	43	5511	1.817 ug/L	97
16) Methylene chloride	4.91	84	15711	2.377 ug/L	97
17) Methyl tert-butyl Ether	5.43	73	19011	2.295 ug/L	92
18) trans-1,2-Dichloroethene	5.42	96	12972	2.423 ug/L	98
19) 1,1-Dichloroethane	6.21	63	20659	2.086 ug/L	96
21) 2-Butanone	7.18	43	9871	4.824 ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	13830	2.377 ug/L	90
23) Bromochloromethane	7.51	128	6588	2.439 ug/L	95
25) Chloroform	7.67	83	21833	2.060 ug/L	99
27) 1,2-Dichloroethane	8.40	62	14947	1.915 ug/L	99
30) Cyclohexane	7.95	56	20794	2.442 ug/L	97
31) 1,1,1-Trichloroethane	7.87	97	19350	2.103 ug/L	98
32) Carbon tetrachloride	8.07	117	18866	2.106 ug/L	98
34) Benzene	8.32	78	47677	2.246 ug/L	100
35) Trichloroethene	9.09	95	13259	2.335 ug/L	99
36) Methylcyclohexane	9.34	83	25289	2.561 ug/L	98
40) 1,2-Dichloropropane	9.37	63	12096	2.338 ug/L	100
41) Bromodichloromethane	9.65	83	15184	2.088 ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	18597	2.177 ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	19073	4.518 ug/L	96

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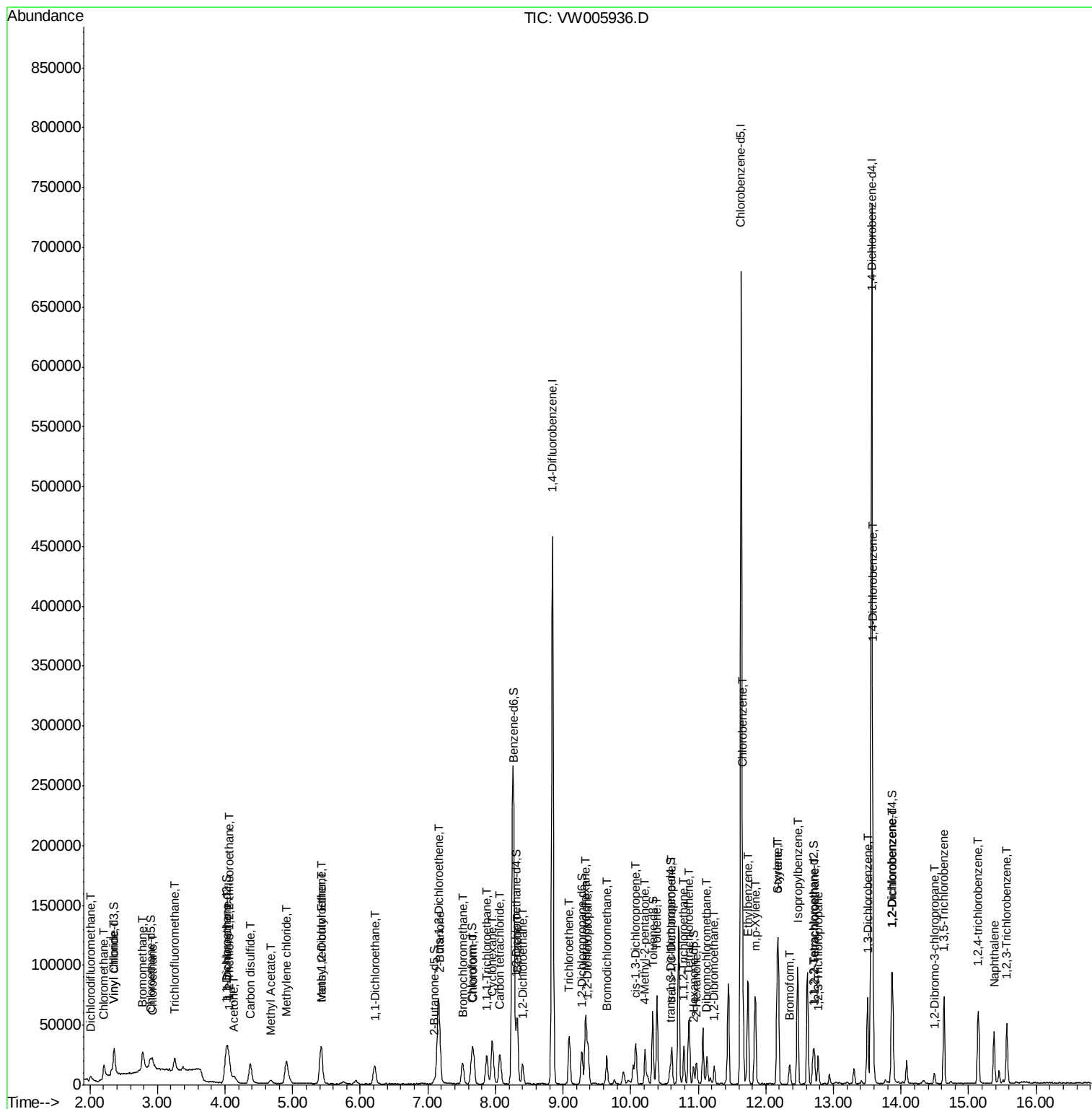
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.39	91	53292	2.247	ug/L	100
45) trans-1,3-Dichloropropene	10.60	75	15631	1.965	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	9536	2.209	ug/L	95
47) Tetrachloroethene	10.87	164	12388	2.476	ug/L	93
49) 2-Hexanone	10.98	43	11562	3.902	ug/L	98
50) Dibromochloromethane	11.13	129	11734	2.168	ug/L	91
51) 1,2-Dibromoethane	11.24	107	9809	2.351	ug/L	97
52) Chlorobenzene	11.66	112	36256	2.324	ug/L	99
53) Ethylbenzene	11.73	91	61645	2.270	ug/L	98
54) m,p-Xylene	11.84	106	23901	2.336	ug/L	96
55) o-xylene	12.17	106	22507	2.334	ug/L	99
56) Styrene	12.18	104	37553	2.219	ug/L	100
57) Isopropylbenzene	12.47	105	62487	2.269	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	11986	2.177	ug/L	97
59) 1,2,3-Trichloropropane	12.77	75	8807	1.970	ug/L	95
62) Bromoform	12.35	173	7195	2.015	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	30121	2.361	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	31154	2.339	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	28243	2.301	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	1878	1.609	ug/L	97
67) 1,3,5-Trichlorobenzene	14.64	180	24302	2.321	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	20175	2.346	ug/L	100
69) Naphthalene	15.38	128	38862	2.255	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	17467	2.167	ug/L	99

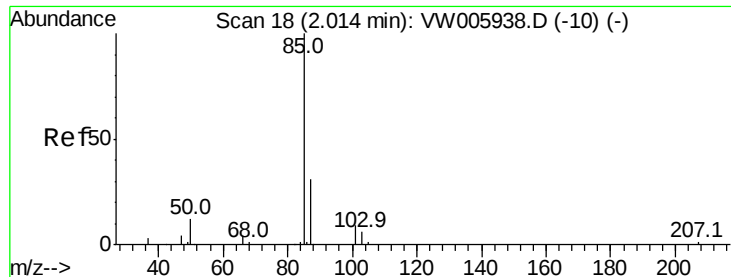
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.549 ug/L

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW005936.D

Acq: 09 Oct 2018 11:35

Instrument :

MSVOA_W

ClientSampled :

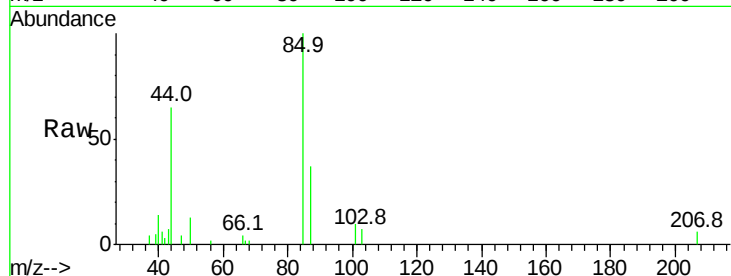
VSTD2.594

Tgt Ion: 85 Resp: 7281

Ion Ratio Lower Upper

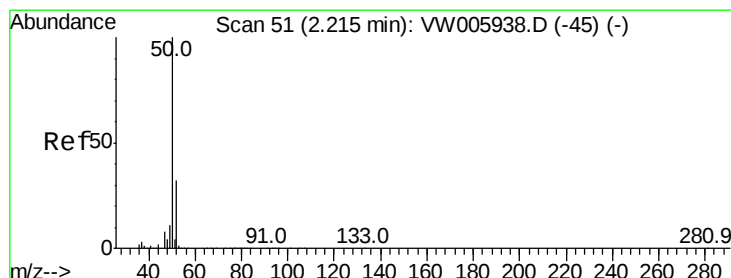
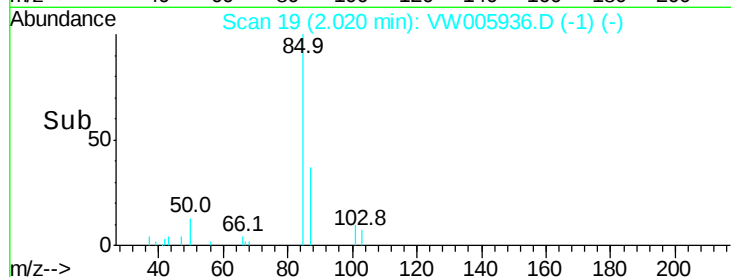
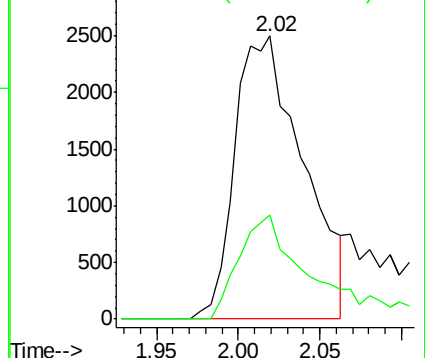
85 100

87 34.8 19.2 35.6



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 2.190 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW005936.D

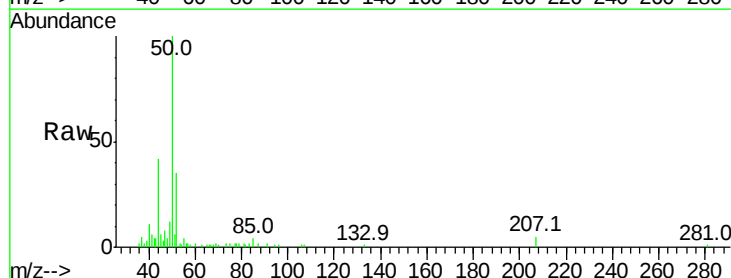
Acq: 09 Oct 2018 11:35

Tgt Ion: 50 Resp: 9589

Ion Ratio Lower Upper

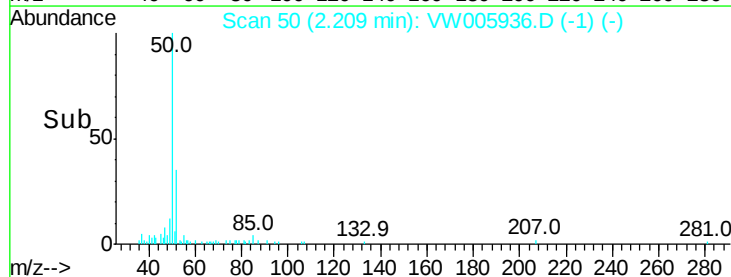
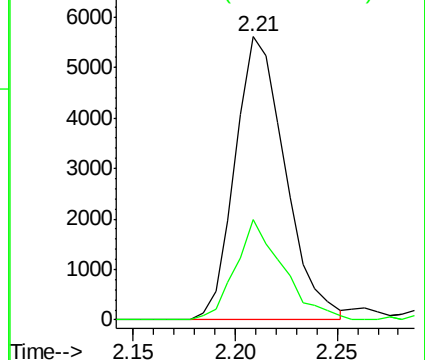
50 100

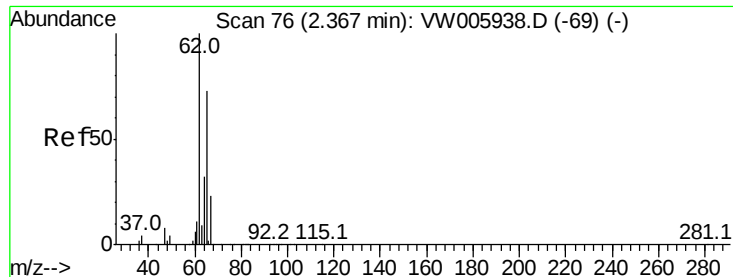
52 35.5 22.3 41.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 2.386 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW005936.D

Acq: 09 Oct 2018 11:35

Instrument :

MSVOA_W

ClientSampleId :

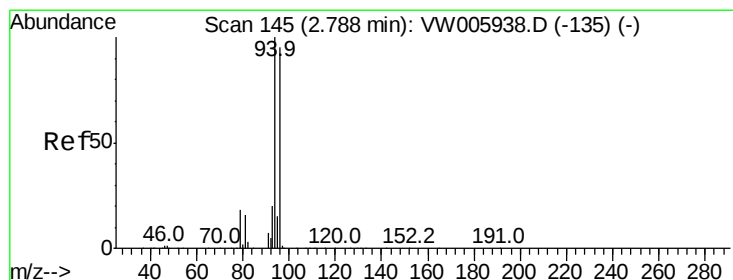
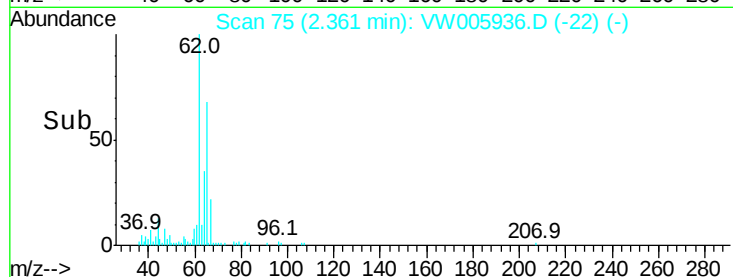
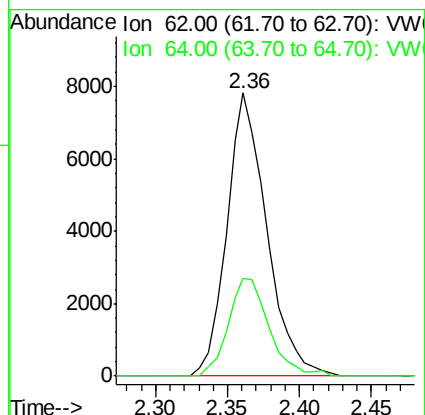
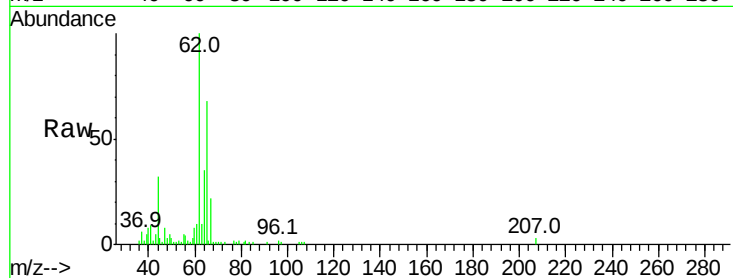
VSTD2.594

Tgt Ion: 62 Resp: 15068

Ion Ratio Lower Upper

62 100

64 34.7 22.7 42.3



#6

Bromomethane

Concen: 2.980 ug/L

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW005936.D

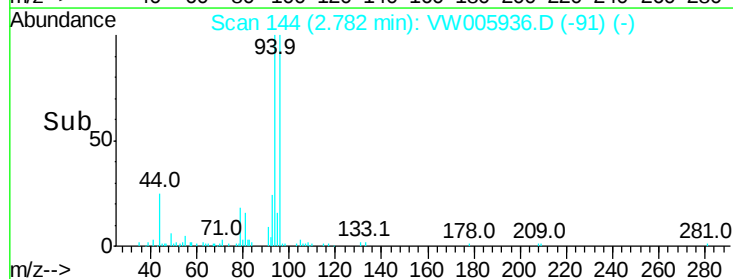
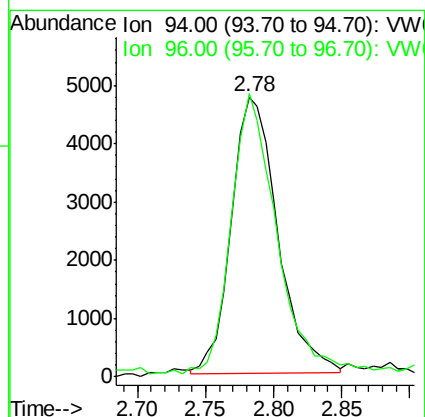
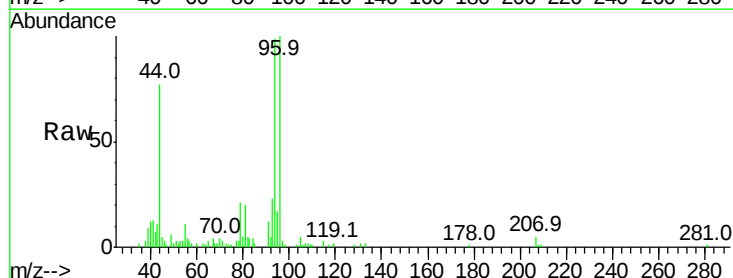
Acq: 09 Oct 2018 11:35

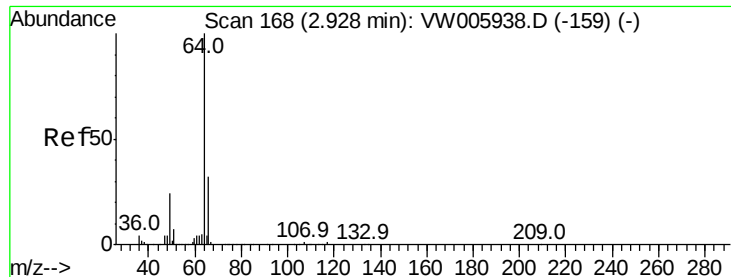
Tgt Ion: 94 Resp: 11320

Ion Ratio Lower Upper

94 100

96 98.7 9.5 181.3





#8

Chloroethane

Concen: 2.419 ug/L

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW005936.D

Acq: 09 Oct 2018 11:35

Instrument :

MSVOA_W

ClientSampleId :

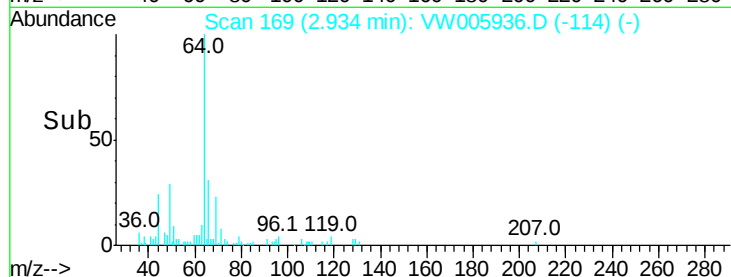
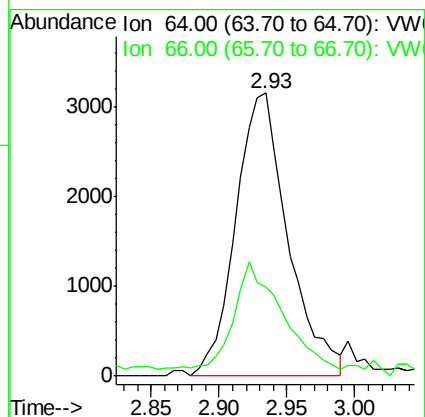
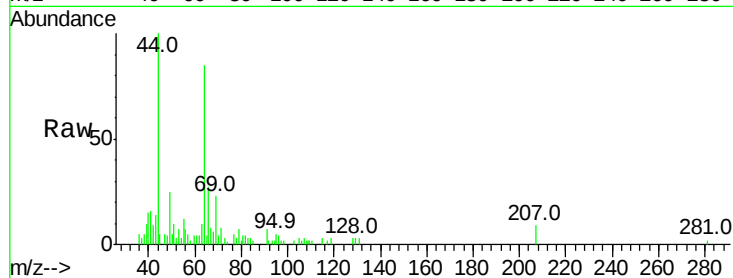
VSTD2.594

Tgt Ion: 64 Resp: 8492

Ion Ratio Lower Upper

64 100

66 31.5 22.7 42.1



#9

Trichlorofluoromethane

Concen: 2.175 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW005936.D

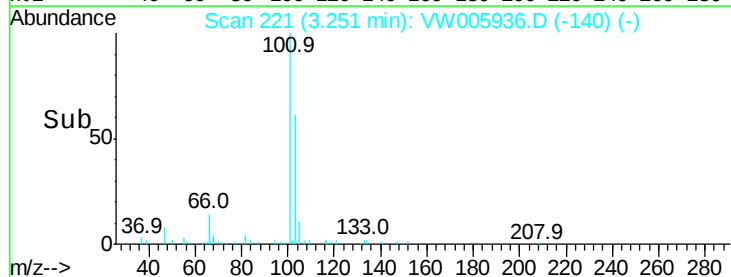
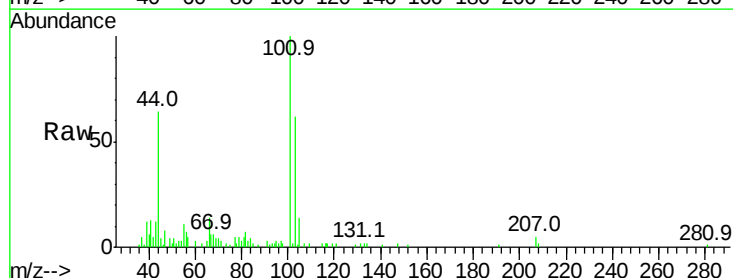
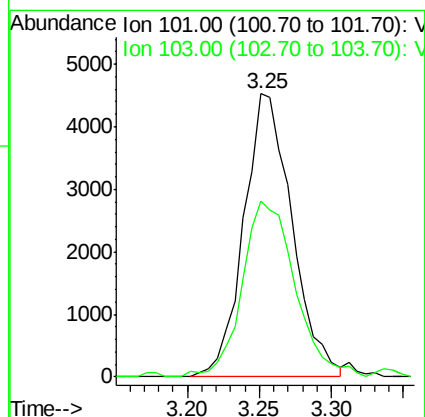
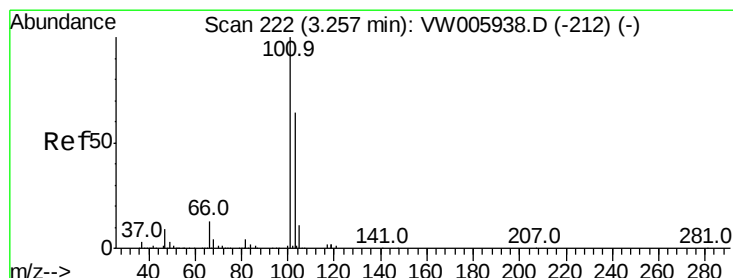
Acq: 09 Oct 2018 11:35

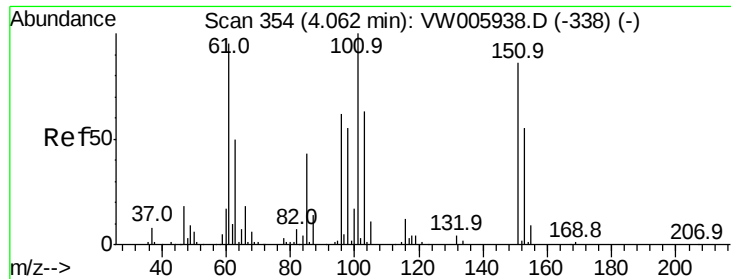
Tgt Ion: 101 Resp: 10495

Ion Ratio Lower Upper

101 100

103 66.7 45.6 84.6





#11

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

Concen: 1.961 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW005936.D

Acq: 09 Oct 2018 11:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.594

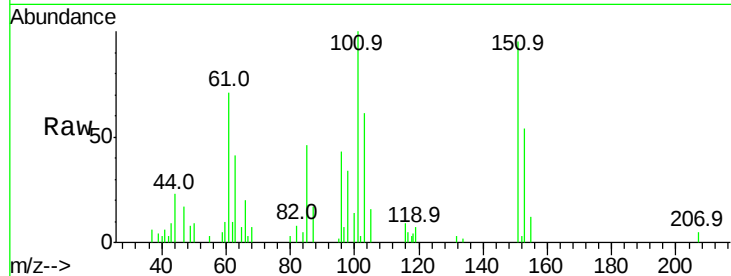
Tgt Ion:101 Resp: 10688

Ion Ratio Lower Upper

101 100

85 47.1 33.4 50.2

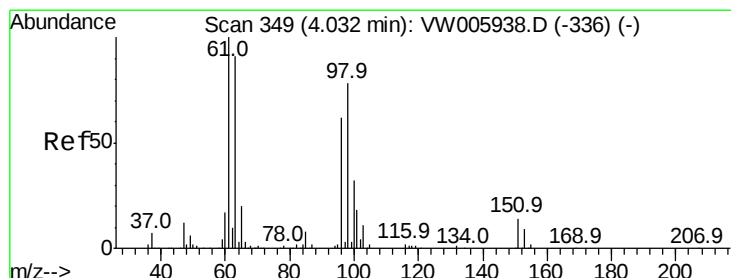
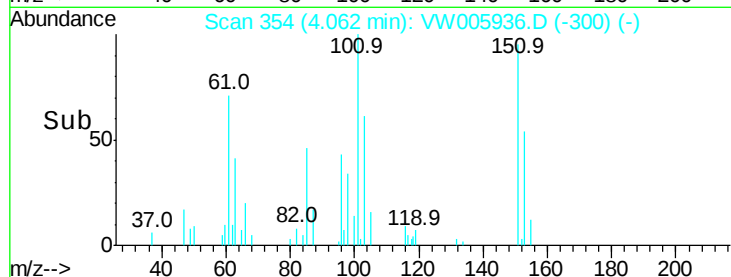
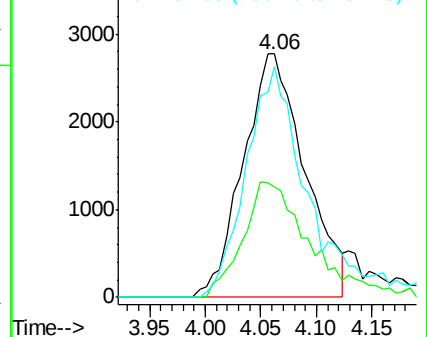
151 81.2 68.7 103.1



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: 2.158 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.00 min

Lab File: VW005936.D

Acq: 09 Oct 2018 11:35

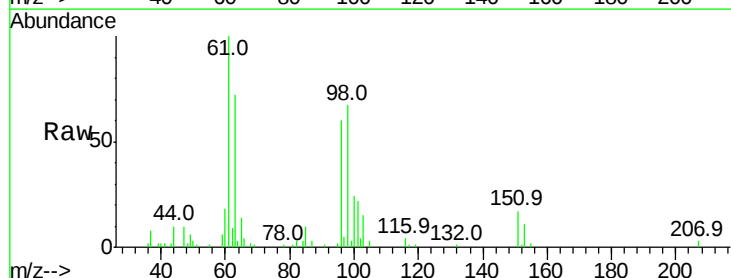
Tgt Ion: 96 Resp: 11234

Ion Ratio Lower Upper

96 100

61 166.2 112.3 208.7

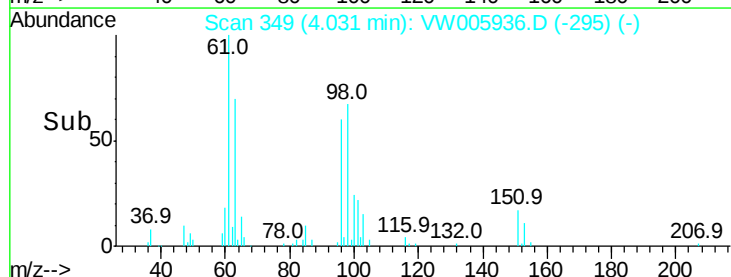
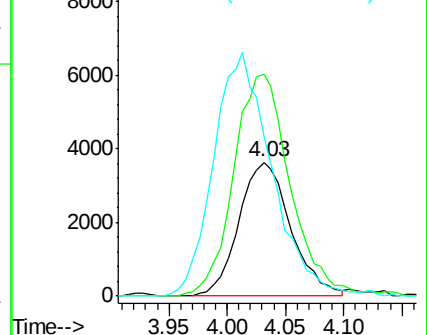
63 119.1 102.6 190.6

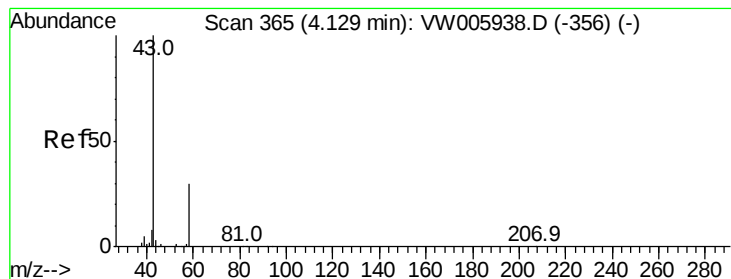


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 4.356 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.01 min

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Instrument :

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ClientSampled :

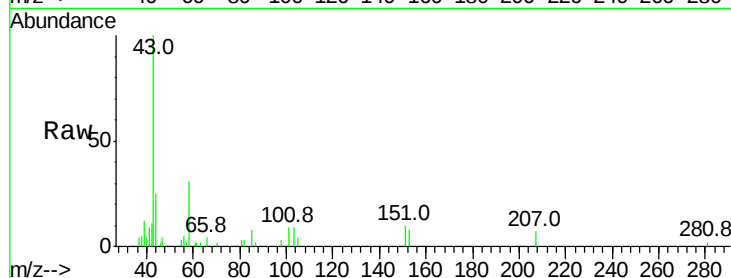
VSTD2.594

Tgt Ion: 43 Resp: 7443

Ion Ratio Lower Upper

43 100

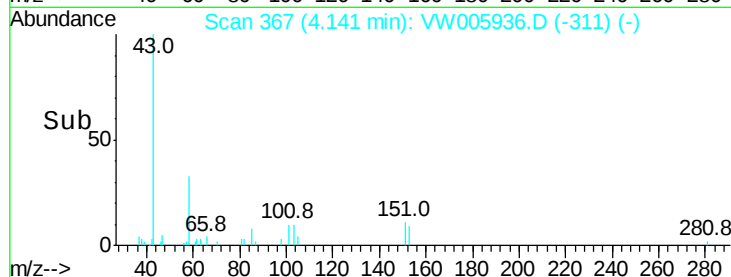
58 31.4 0.0 61.2



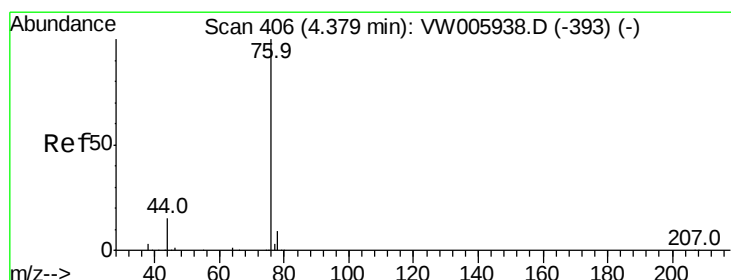
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14



Time-->



#14

Carbon disulfide

Concen: 2.323 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW005936.D

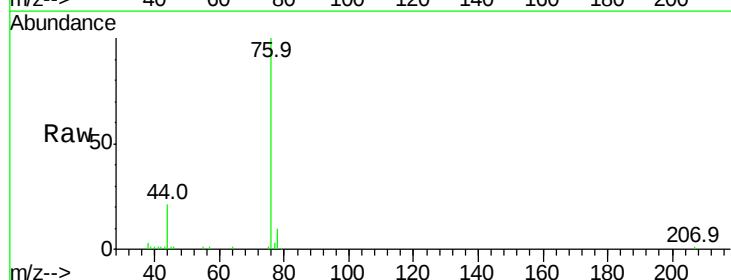
Acq: 09 Oct 2018 11:35

Tgt Ion: 76 Resp: 37920

Ion Ratio Lower Upper

76 100

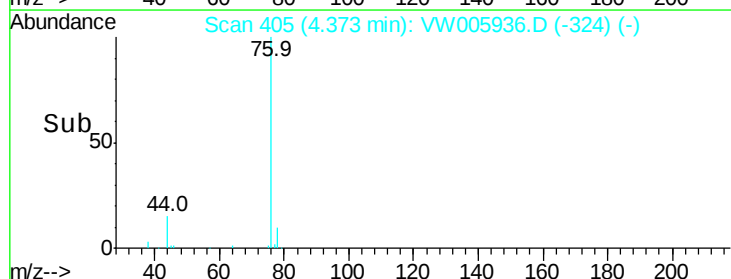
78 10.3 7.6 11.4



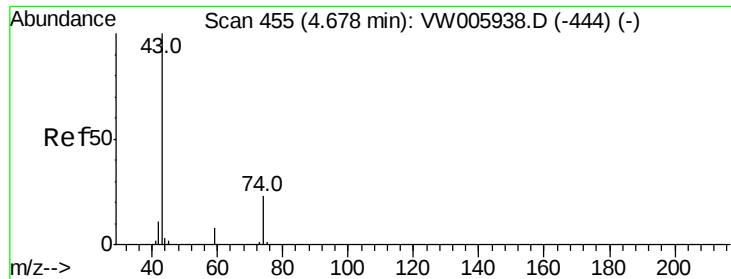
Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW

4.37



Time-->



#15

Methyl Acetate

Concen: 1.817 ug/L

RT: 4.68 min Scan# 455

Delta R.T. -0.00 min

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Acq: 09 Oct 2018 11:35

Instrument :

MSVOA_W

ClientSampleId :

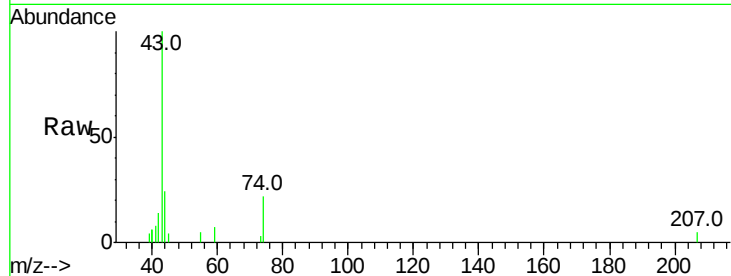
VSTD2.594

Tgt Ion: 43 Resp: 5511

Ion Ratio Lower Upper

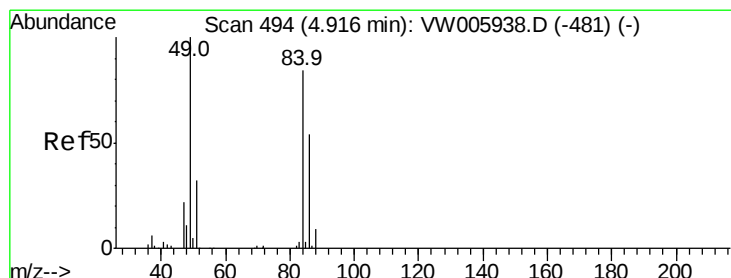
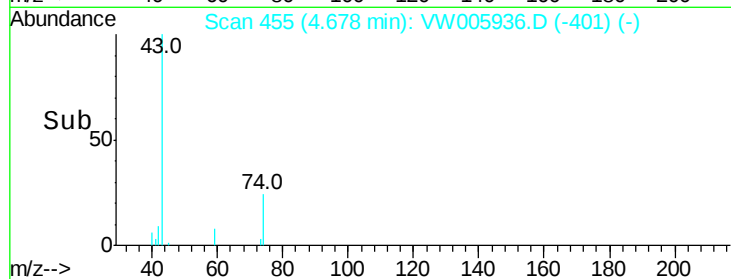
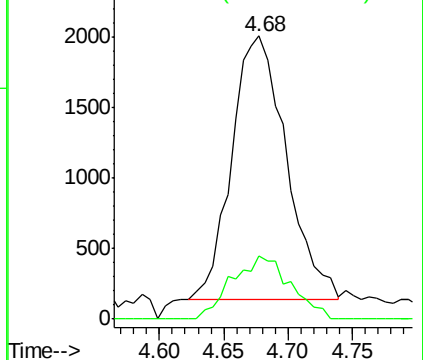
43 100

74 25.5 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW



#16

Methylene chloride

Concen: 2.377 ug/L

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW005936.D

Acq: 09 Oct 2018 11:35

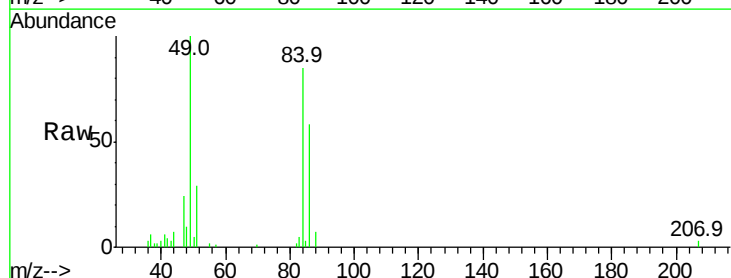
Tgt Ion: 84 Resp: 15711

Ion Ratio Lower Upper

84 100

49 117.3 83.5 155.1

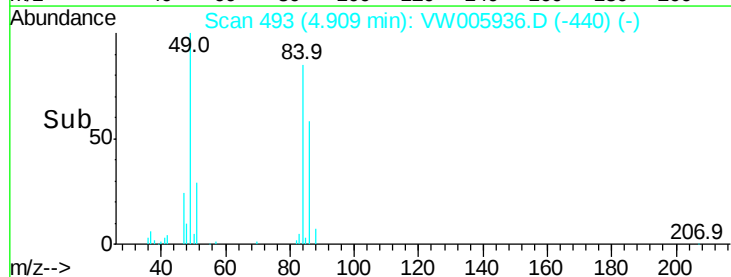
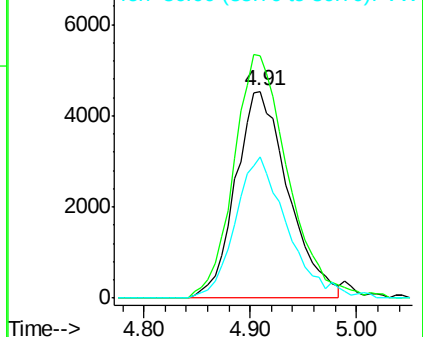
86 68.0 44.9 83.5

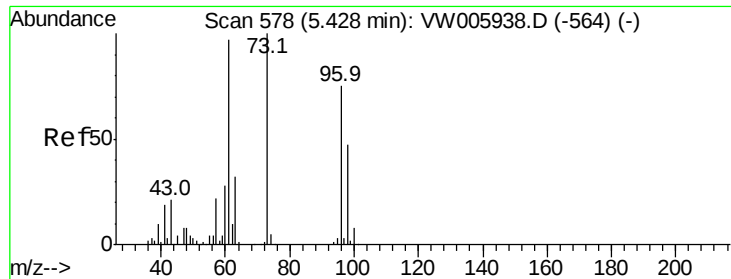


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

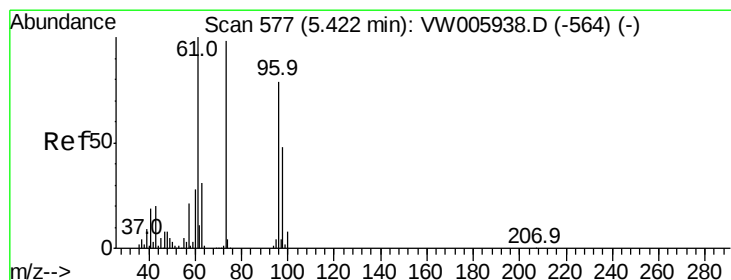
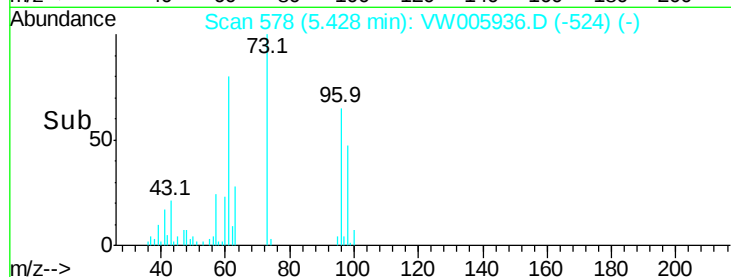
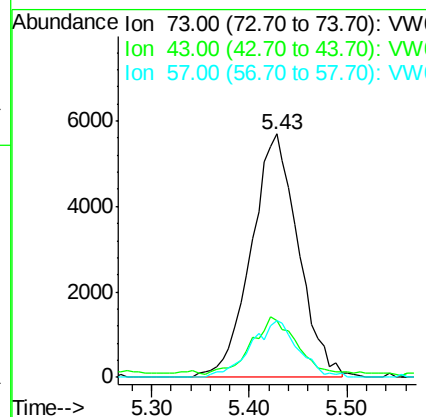
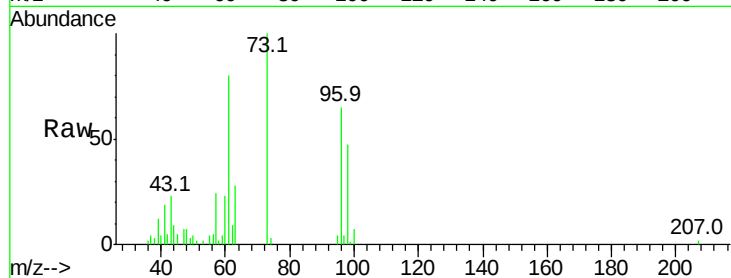




#17
Methyl tert-butyl Ether
Concen: 2.295 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW005936.D
Acq: 09 Oct 2018 11:35

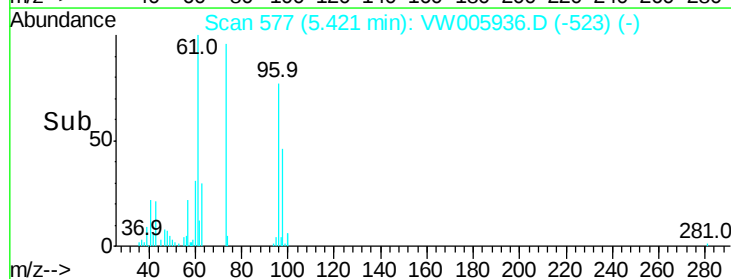
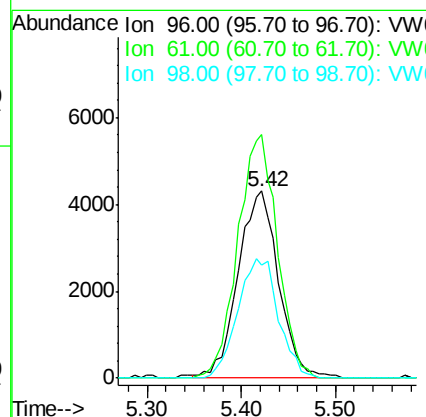
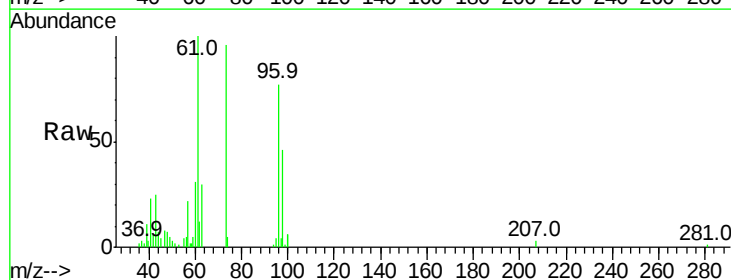
Instrument :
MSVOA_W
ClientSampled :
VSTD2.594

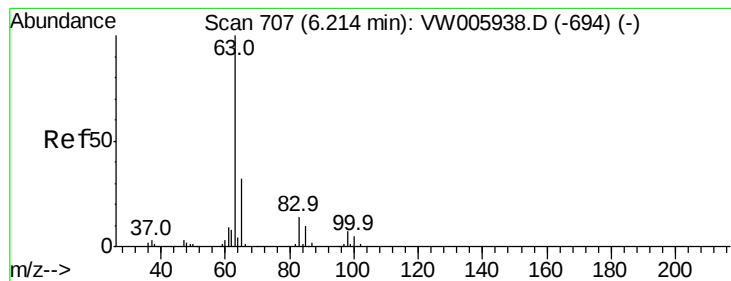
Tgt Ion: 73 Resp: 19011
Ion Ratio Lower Upper
73 100
43 21.7 17.0 25.4
57 14.1 17.1 25.7#



#18
trans-1,2-Dichloroethene
Concen: 2.423 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW005936.D
Acq: 09 Oct 2018 11:35

Tgt Ion: 96 Resp: 12972
Ion Ratio Lower Upper
96 100
61 130.1 89.0 165.2
98 60.3 42.4 78.6





#19

1,1-Dichloroethane

Concen: 2.086 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW005936.D

Acq: 09 Oct 2018 11:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.594

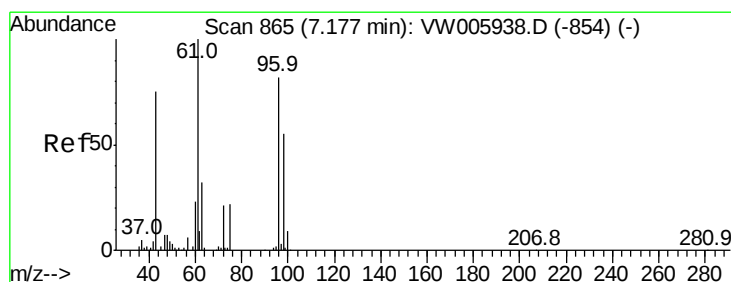
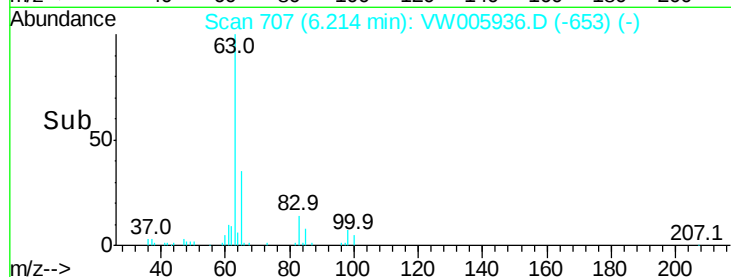
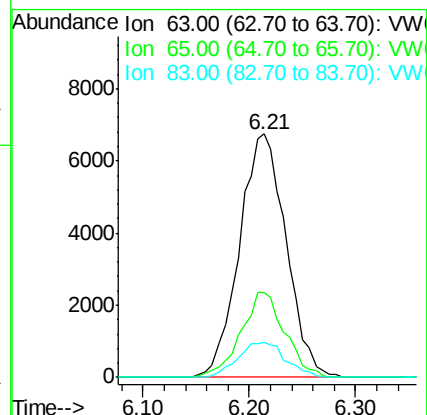
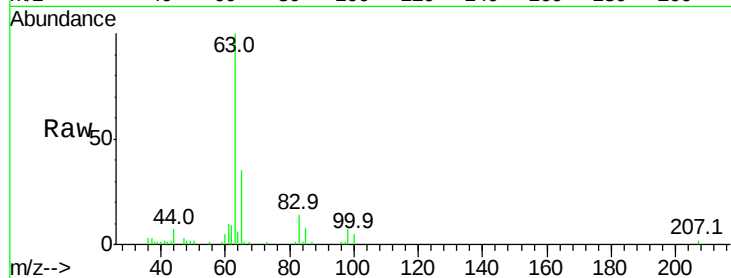
Tgt Ion: 63 Resp: 20659

Ion Ratio Lower Upper

63 100

65 34.7 22.3 41.5

83 14.3 9.7 18.1



#21

2-Butanone

Concen: 4.824 ug/L

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW005936.D

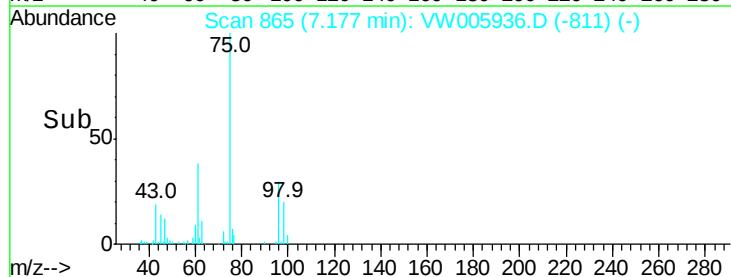
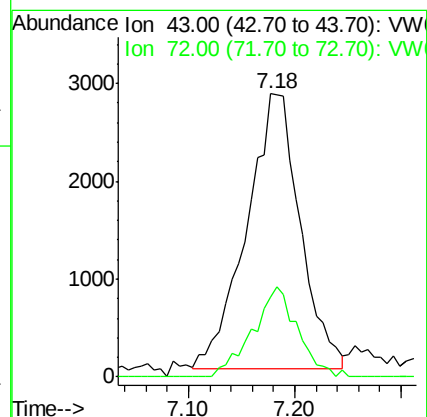
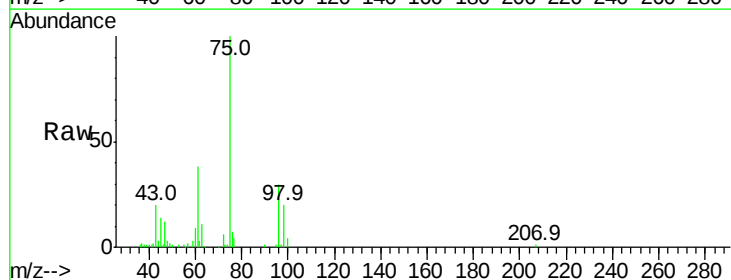
Acq: 09 Oct 2018 11:35

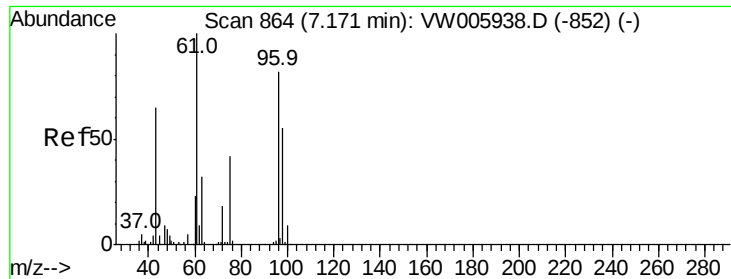
Tgt Ion: 43 Resp: 9871

Ion Ratio Lower Upper

43 100

72 27.2 13.8 41.4



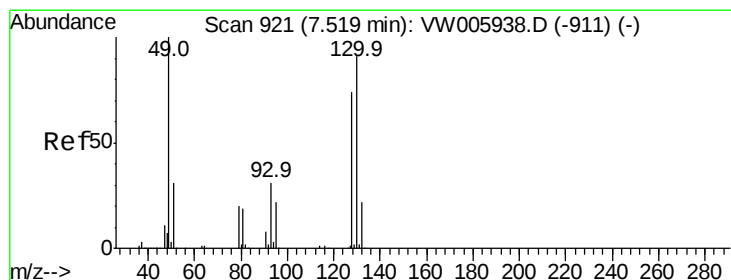
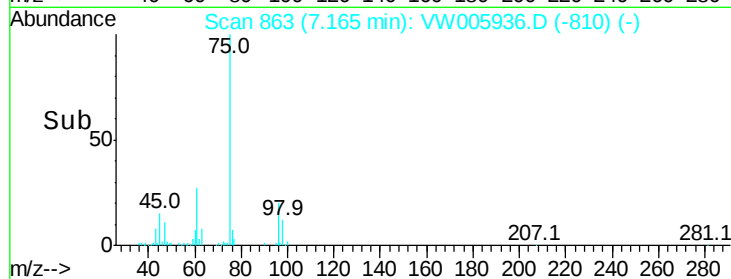
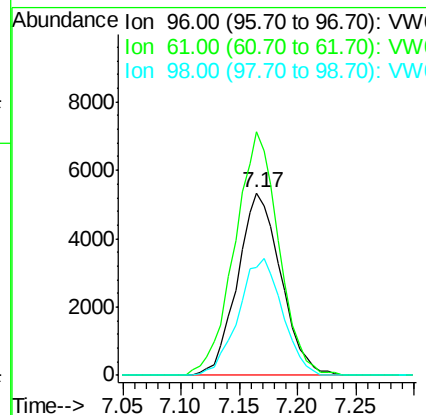
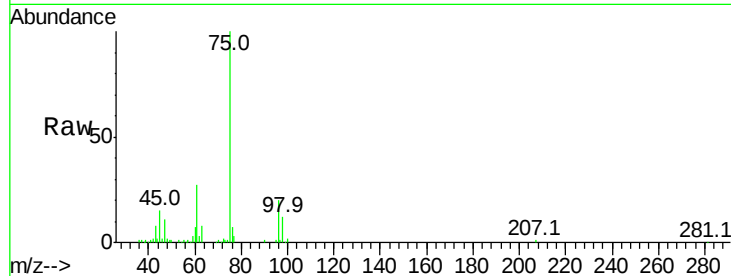


#22

cis-1,2-Dichloroethene
 Concen: 2.377 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW005936.D
 Acq: 09 Oct 2018 11:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.594

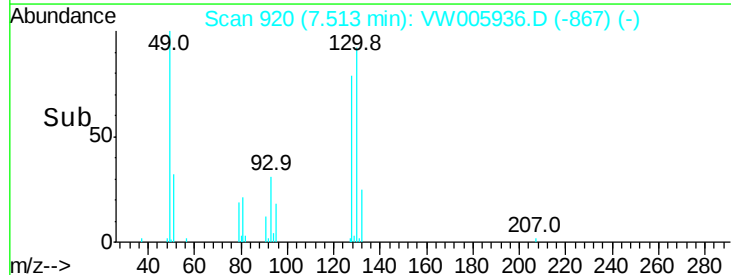
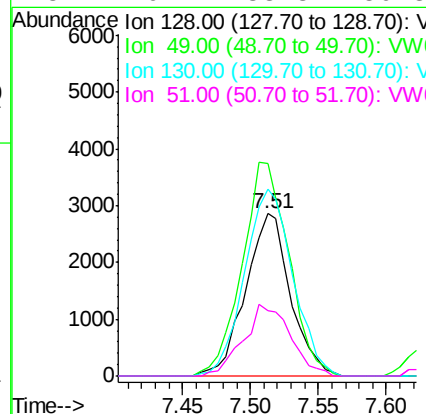
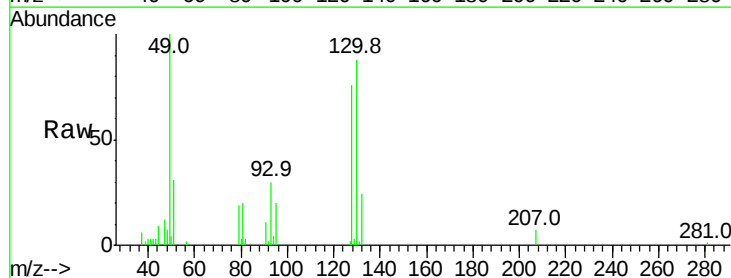
Tgt Ion: 96 Resp: 13830
 Ion Ratio Lower Upper
 96 100
 61 133.5 85.1 158.1
 98 59.2 46.3 86.1

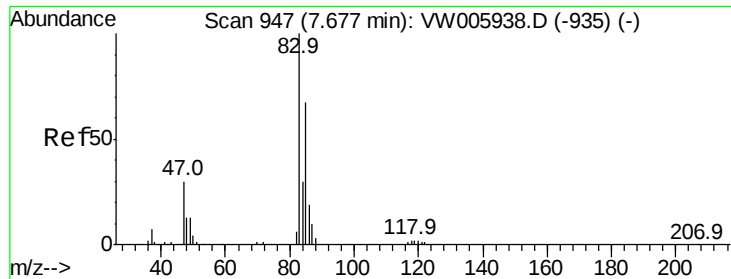


#23

Bromochloromethane
 Concen: 2.439 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW005936.D
 Acq: 09 Oct 2018 11:35

Tgt Ion: 128 Resp: 6588
 Ion Ratio Lower Upper
 128 100
 49 131.1 95.2 176.8
 130 115.5 86.3 160.3
 51 40.2 33.8 50.8





#25

Chloroform

Concen: 2.060 ug/L

RT: 7.67 min Scan# 946

Delta R.T. -0.01 min

Lab File: VW005936.D

Acq: 09 Oct 2018 11:35

Instrument :

MSVOA_W

ClientSampleId :

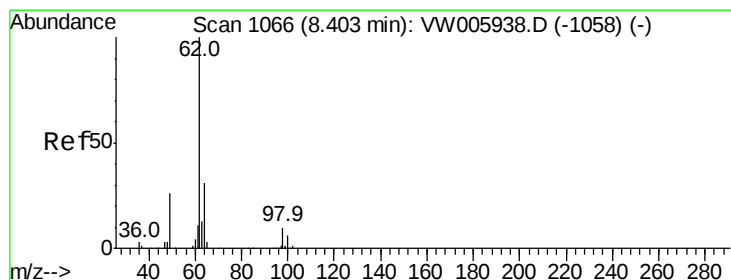
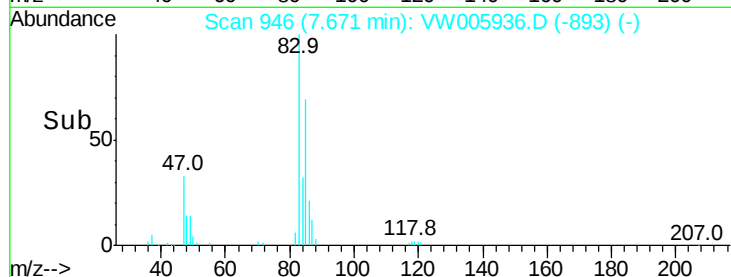
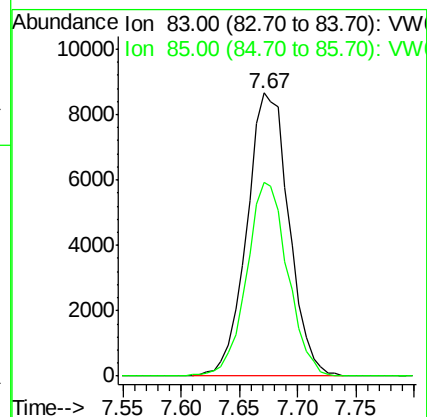
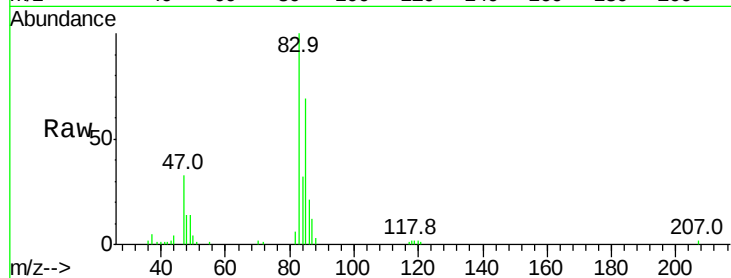
VSTD2.594

Tgt Ion: 83 Resp: 21833

Ion Ratio Lower Upper

83 100

85 66.6 46.3 85.9



#27

1,2-Dichloroethane

Concen: 1.915 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VW005936.D

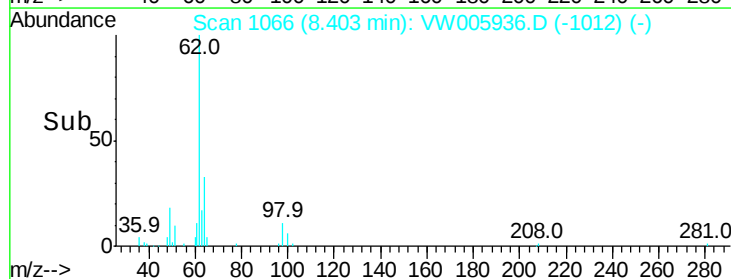
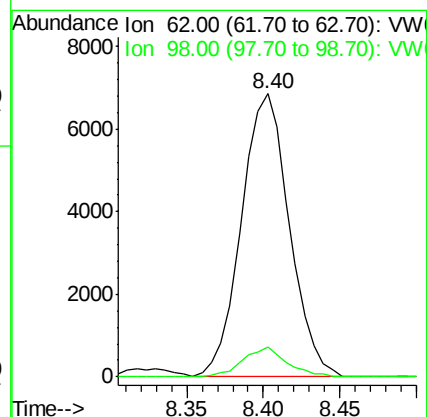
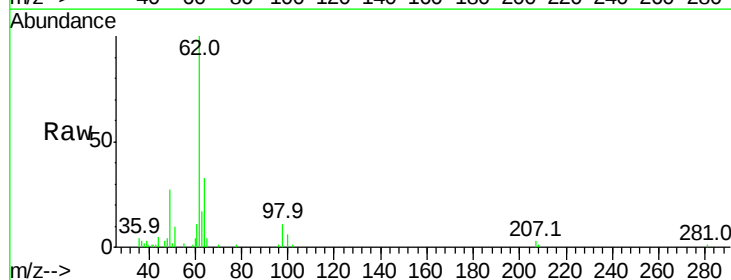
Acq: 09 Oct 2018 11:35

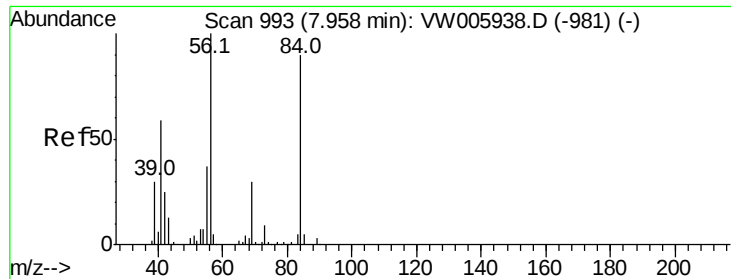
Tgt Ion: 62 Resp: 14947

Ion Ratio Lower Upper

62 100

98 10.5 8.0 12.0

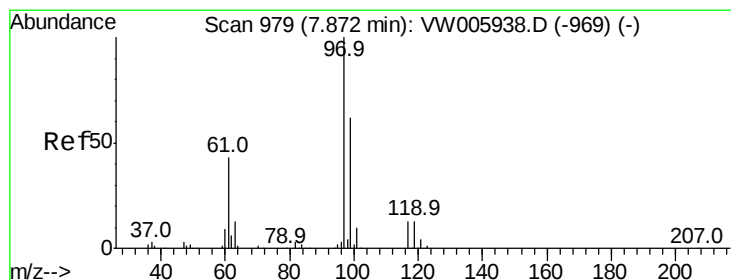
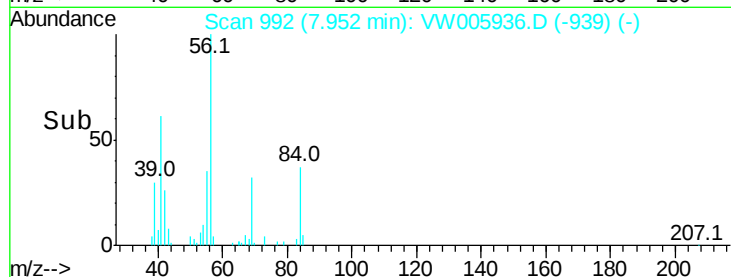
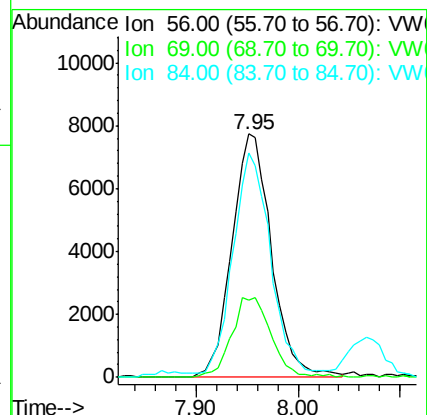
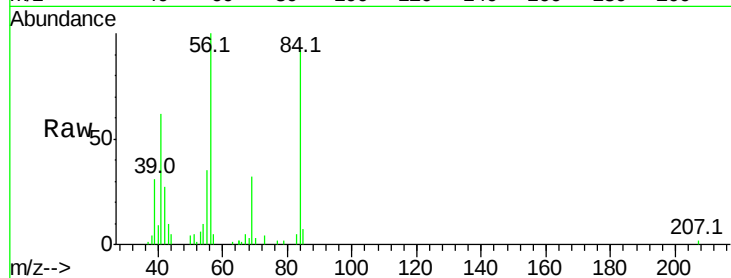




#30
Cyclohexane
Concen: 2.442 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW005936.D
Acq: 09 Oct 2018 11:35

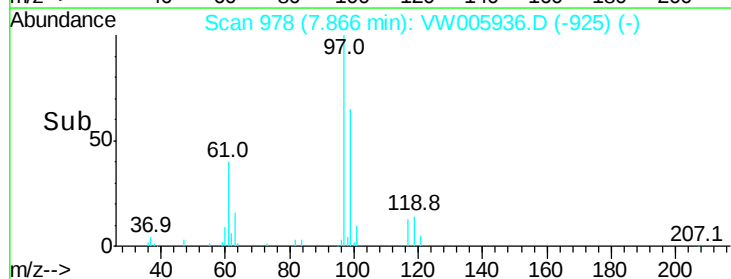
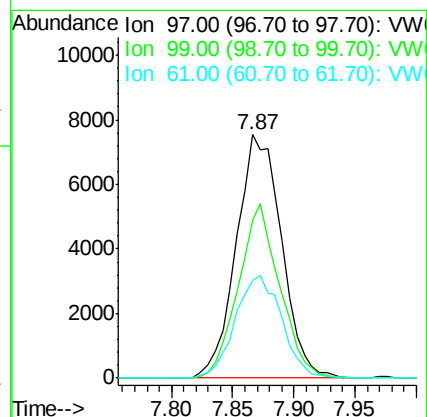
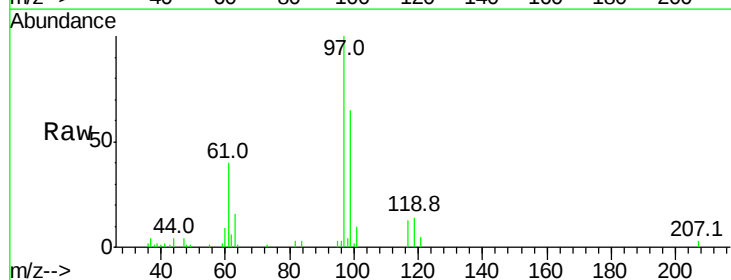
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.594

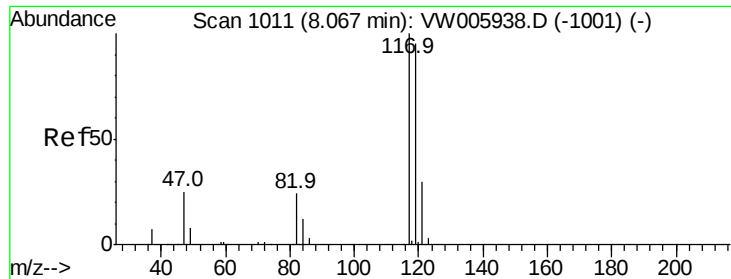
Tgt Ion: 56 Resp: 20794
Ion Ratio Lower Upper
56 100
69 32.5 25.4 38.0
84 89.1 73.9 110.9



#31
1,1,1-Trichloroethane
Concen: 2.103 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW005936.D
Acq: 09 Oct 2018 11:35

Tgt Ion: 97 Resp: 19350
Ion Ratio Lower Upper
97 100
99 65.3 51.0 76.4
61 43.2 33.6 50.4





#32

Carbon tetrachloride

Concen: 2.106 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW005936.D

Acq: 09 Oct 2018 11:35

Instrument :

MSVOA_W

ClientSampleId :

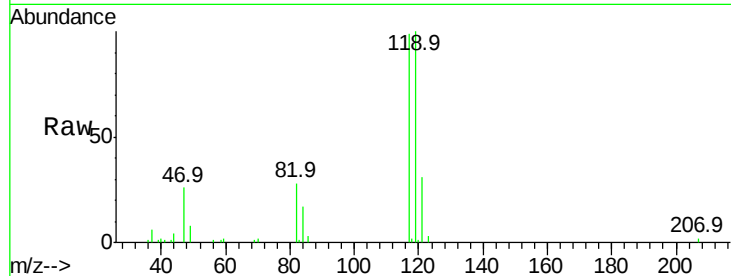
VSTD2.594

Tgt Ion:117 Resp: 18866

Ion Ratio Lower Upper

117 100

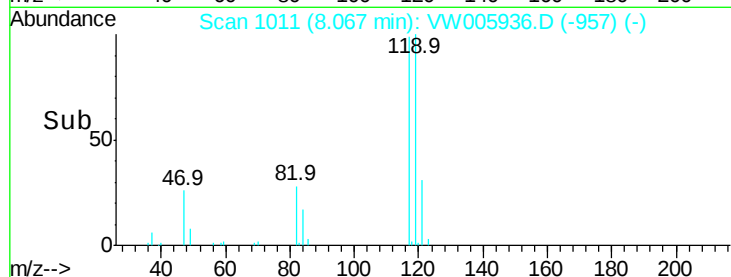
119 94.1 76.9 115.3



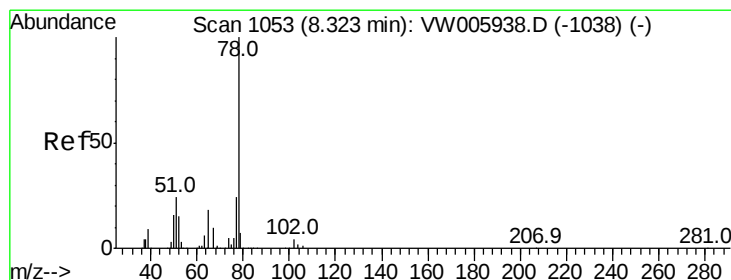
Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07



Time-->



#34

Benzene

Concen: 2.246 ug/L

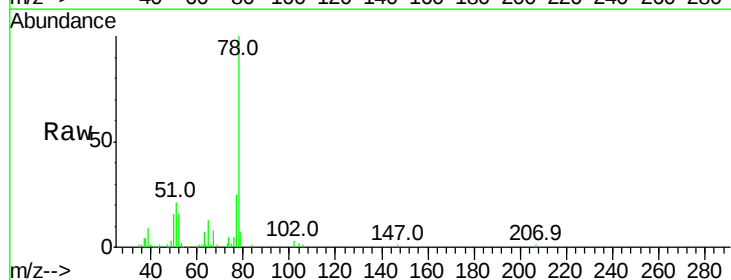
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW005936.D

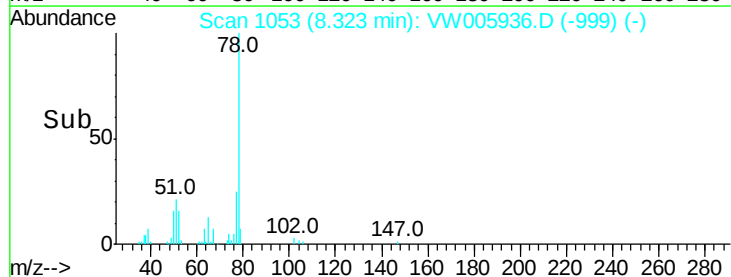
Acq: 09 Oct 2018 11:35

Tgt Ion: 78 Resp: 47677

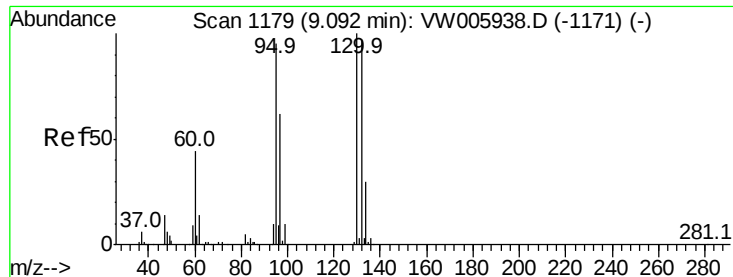


Abundance Ion 78.00 (77.70 to 78.70): VW

8.32



Time-->



#35

Trichloroethene

Concen: 2.335 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW005936.D

Acq: 09 Oct 2018 11:35

Instrument :

MSVOA_W

ClientSampled :

VSTD2.594

Tgt Ion: 95 Resp: 13259

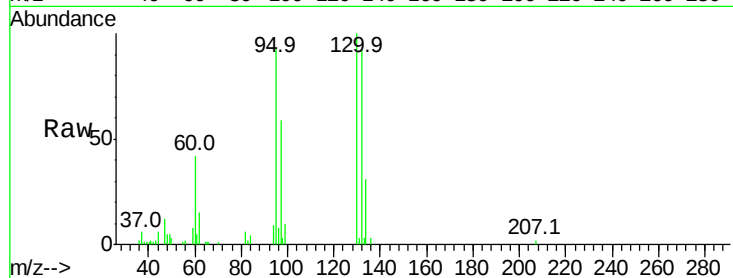
Ion Ratio Lower Upper

95 100

97 66.9 45.8 85.0

132 103.9 72.9 135.3

130 107.5 75.8 140.8

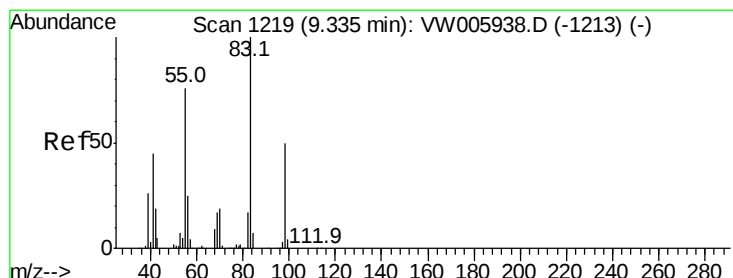
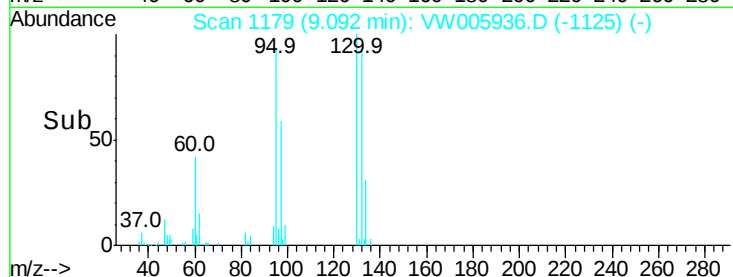
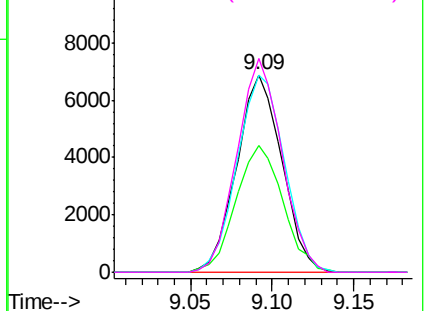


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 2.561 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW005936.D

Acq: 09 Oct 2018 11:35

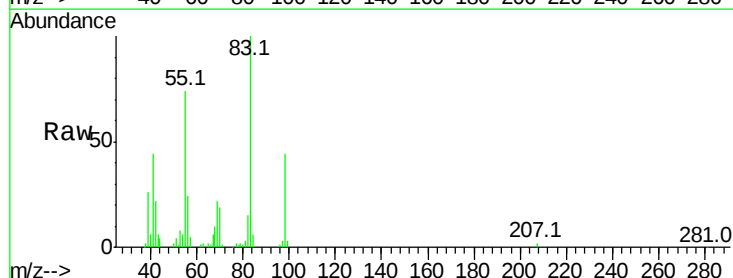
Tgt Ion: 83 Resp: 25289

Ion Ratio Lower Upper

83 100

55 71.2 57.1 85.7

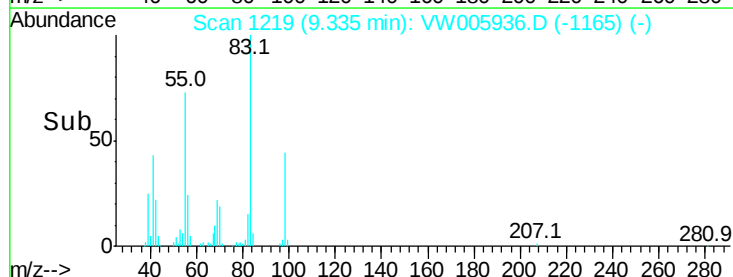
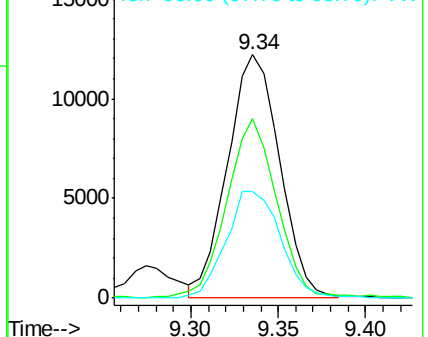
98 46.2 38.9 58.3

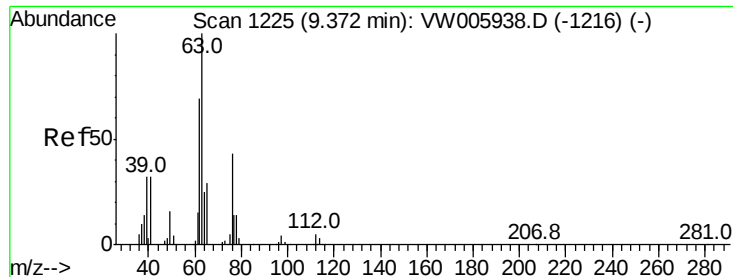


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

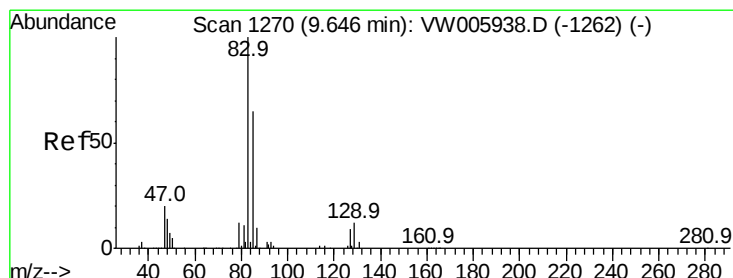
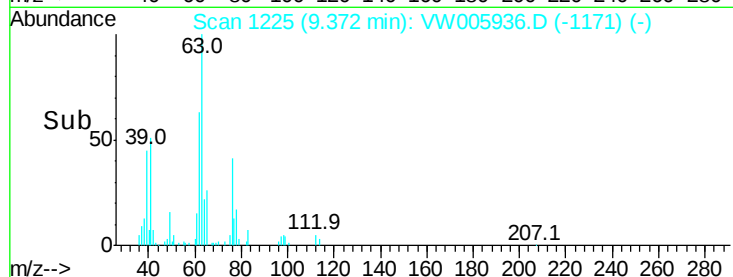
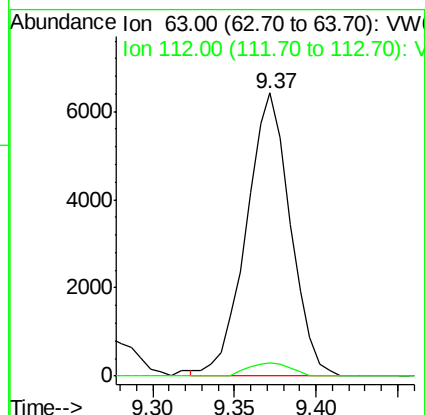
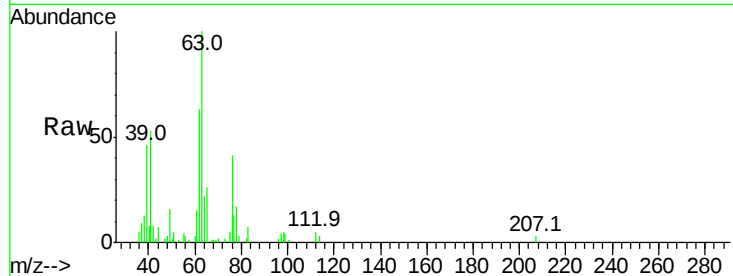




#40
 1,2-Dichloropropane
 Concen: 2.338 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW005936.D
 Acq: 09 Oct 2018 11:35

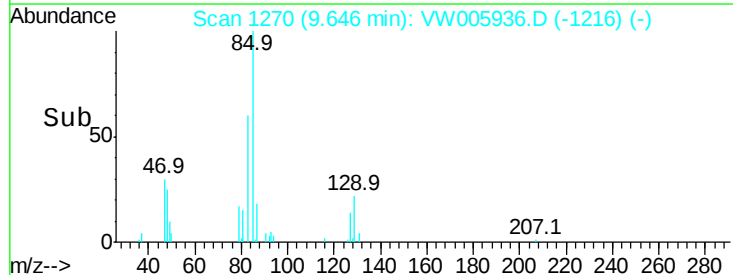
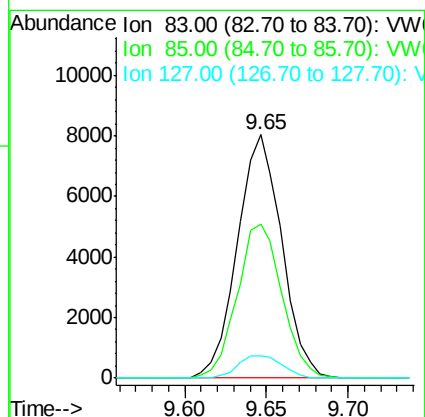
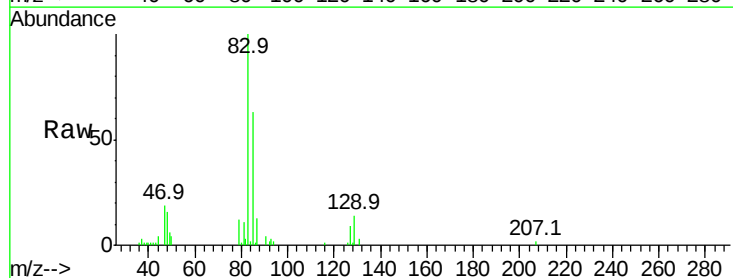
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.594

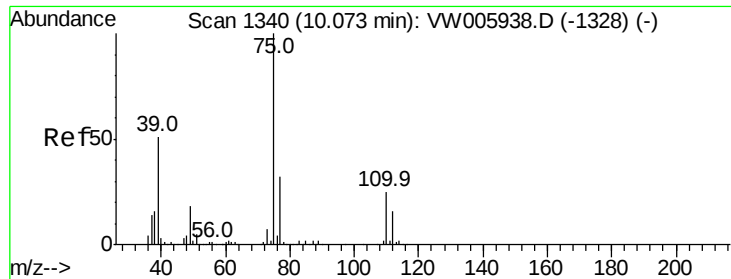
Tgt Ion: 63 Resp: 12096
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.5 5.3



#41
 Bromodichloromethane
 Concen: 2.088 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW005936.D
 Acq: 09 Oct 2018 11:35

Tgt Ion: 83 Resp: 15184
 Ion Ratio Lower Upper
 83 100
 85 63.5 45.5 84.5
 127 9.1 7.4 11.2

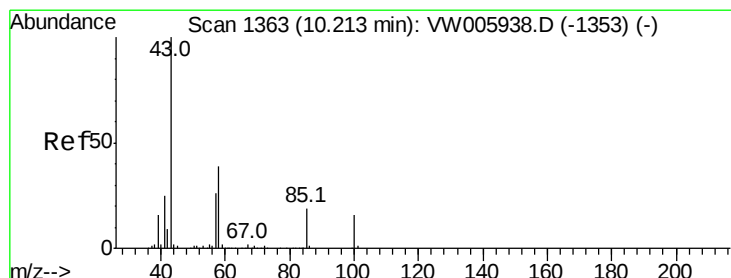
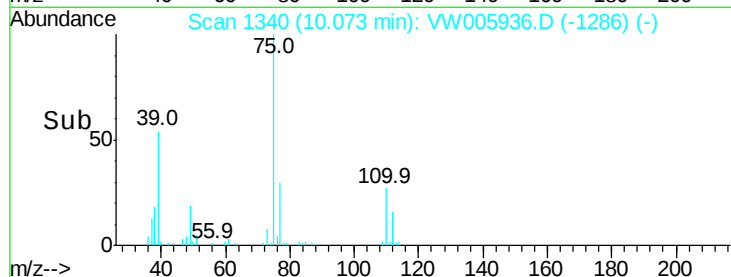
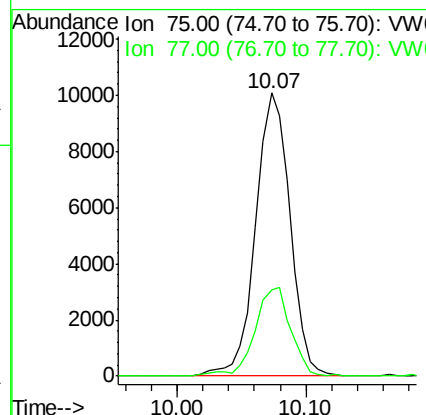
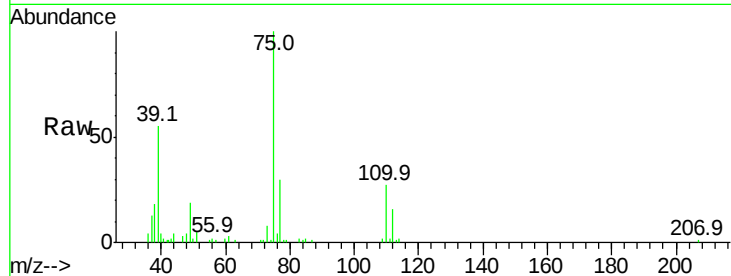




#42
 cis-1,3-Dichloropropene
 Concen: 2.177 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW005936.D
 Acq: 09 Oct 2018 11:35

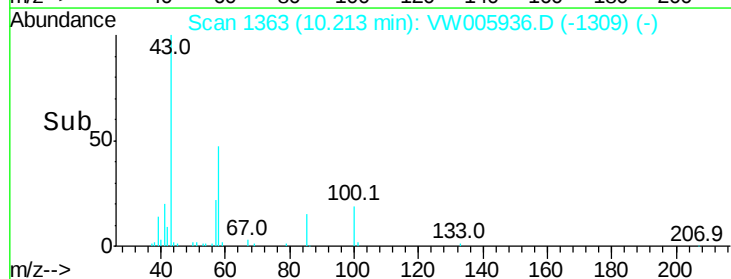
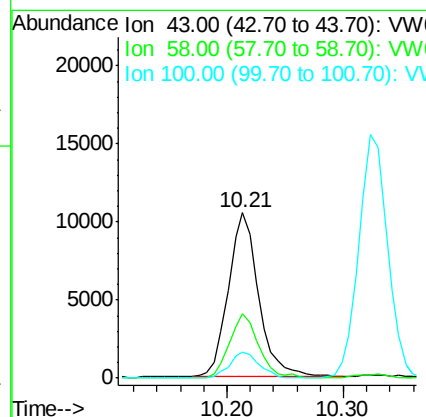
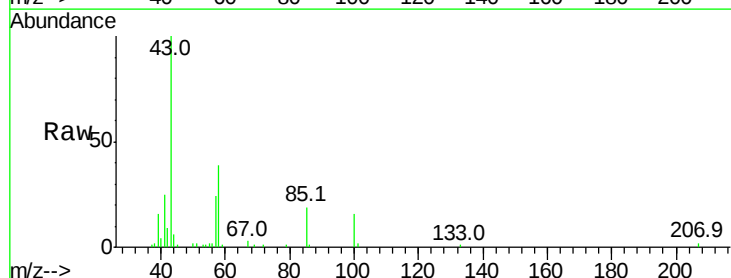
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD2.594

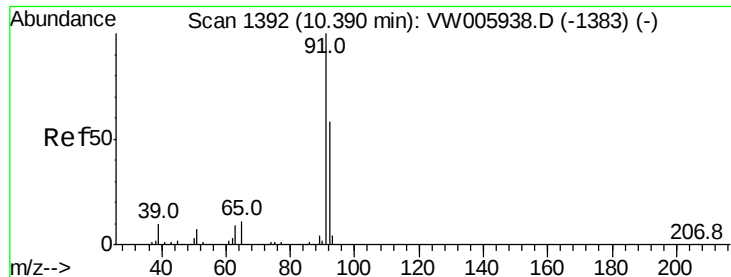
Tgt Ion: 75 Resp: 18597
 Ion Ratio Lower Upper
 75 100
 77 30.5 22.6 42.0



#43
 4-Methyl-2-pentanone
 Concen: 4.518 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VW005936.D
 Acq: 09 Oct 2018 11:35

Tgt Ion: 43 Resp: 19073
 Ion Ratio Lower Upper
 43 100
 58 36.8 31.4 47.2
 100 15.3 13.3 19.9





#44

Toluene

Concen: 2.247 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW005936.D

Acq: 09 Oct 2018 11:35

Instrument :

MSVOA_W

ClientSampled :

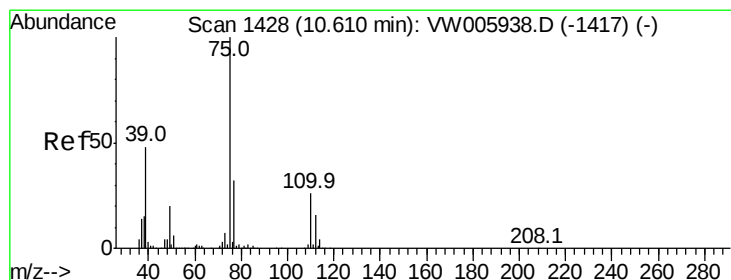
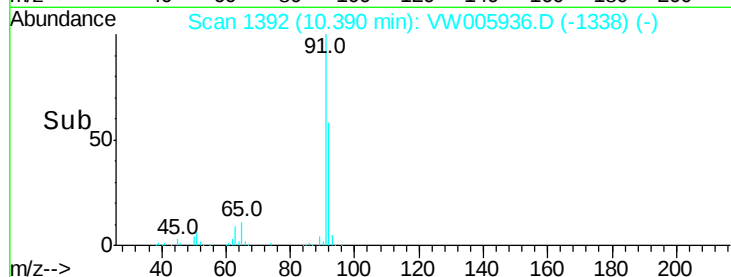
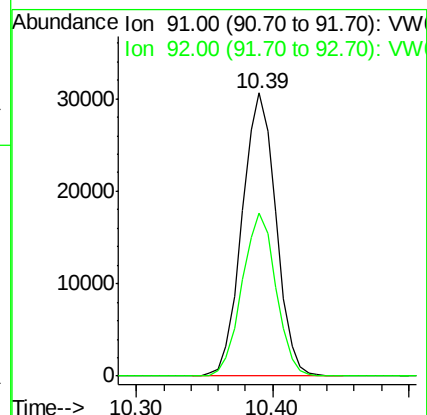
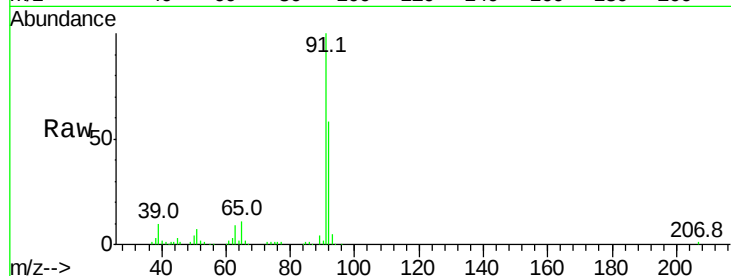
VSTD2.594

Tgt Ion: 91 Resp: 53292

Ion Ratio Lower Upper

91 100

92 57.6 40.4 75.0



#45

trans-1,3-Dichloropropene

Concen: 1.965 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.01 min

Lab File: VW005936.D

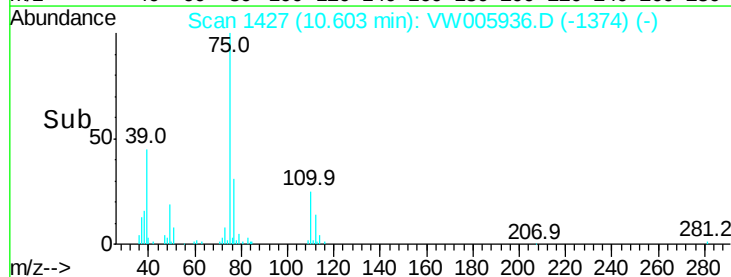
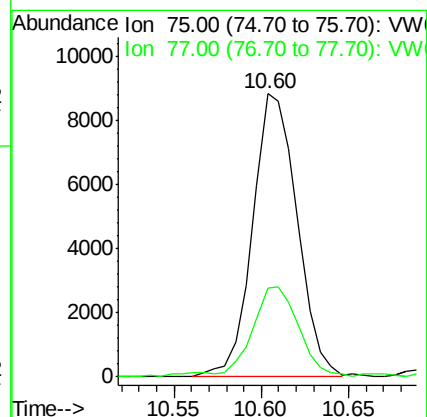
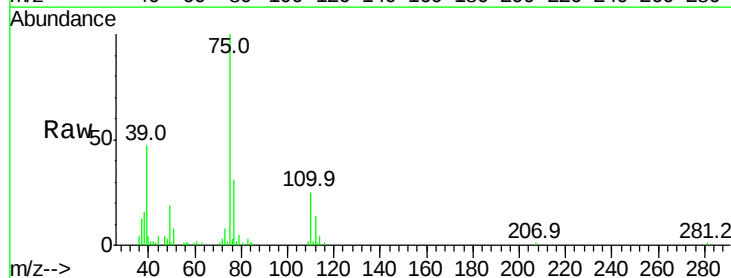
Acq: 09 Oct 2018 11:35

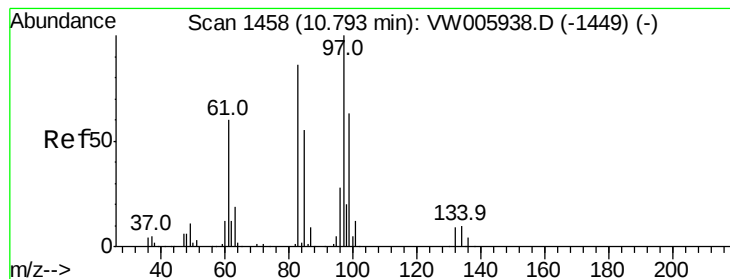
Tgt Ion: 75 Resp: 15631

Ion Ratio Lower Upper

75 100

77 31.2 22.4 41.6





#46

1,1,2-Trichloroethane

Concen: 2.209 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.01 min

Lab File: VW005936.D

Acq: 09 Oct 2018 11:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.594

Tgt Ion: 97 Resp: 9536

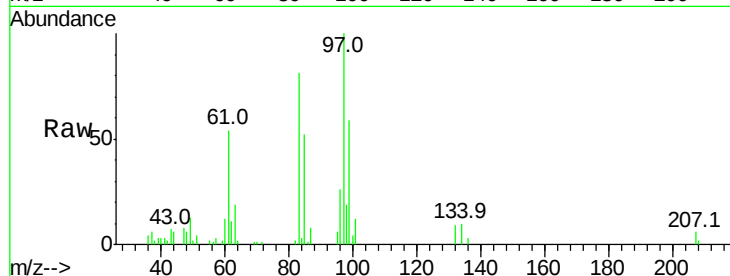
Ion Ratio Lower Upper

97 100

83 81.4 60.0 111.4

85 52.0 38.7 71.9

99 59.5 44.3 82.3

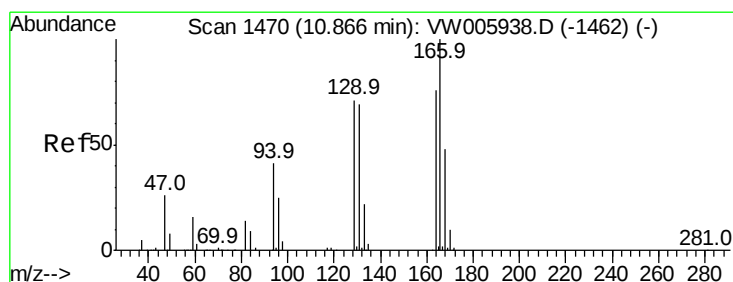
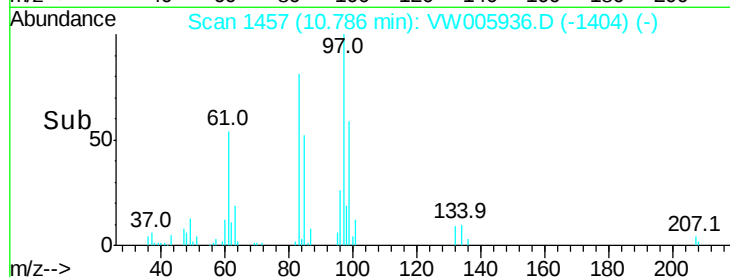
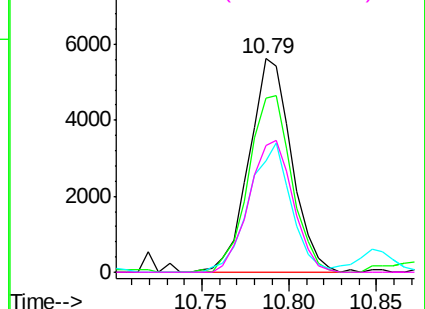


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 2.476 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW005936.D

Acq: 09 Oct 2018 11:35

Tgt Ion: 164 Resp: 12388

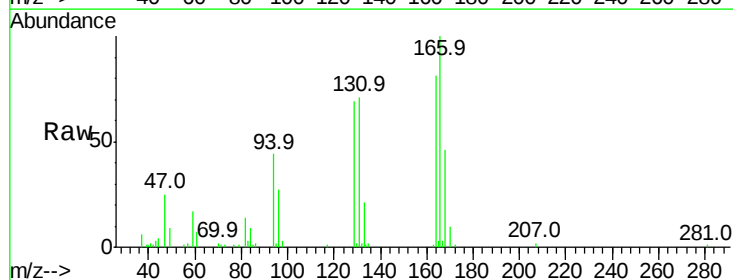
Ion Ratio Lower Upper

164 100

129 84.9 65.4 121.4

131 87.3 63.8 118.4

166 123.2 92.3 171.3

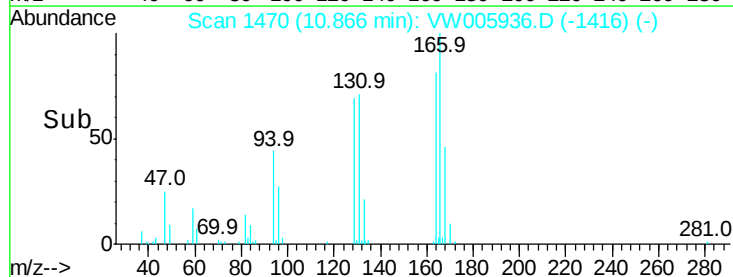
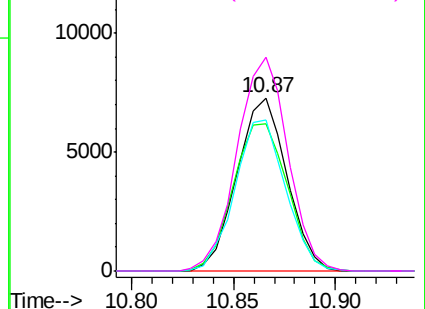


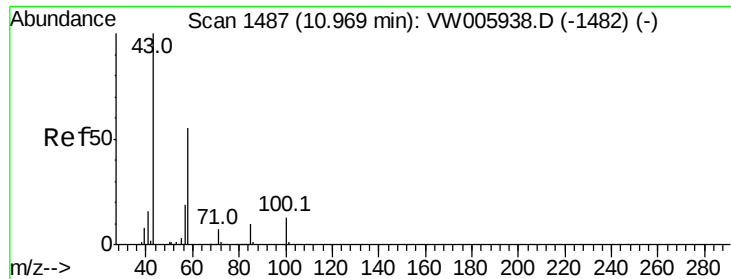
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

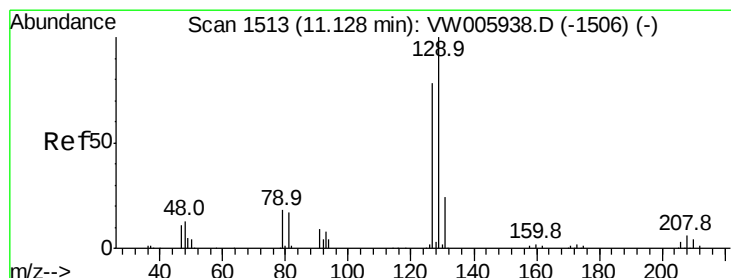
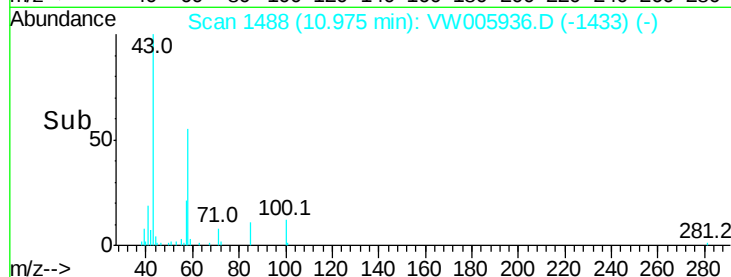
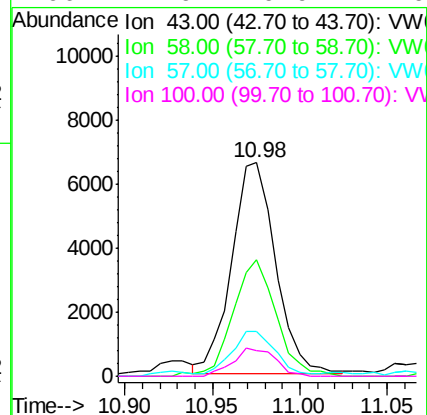
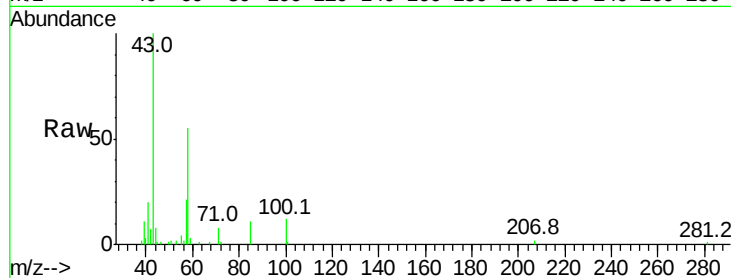




#49
2-Hexanone
Concen: 3.902 ug/L
RT: 10.98 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW005936.D
Acq: 09 Oct 2018 11:35

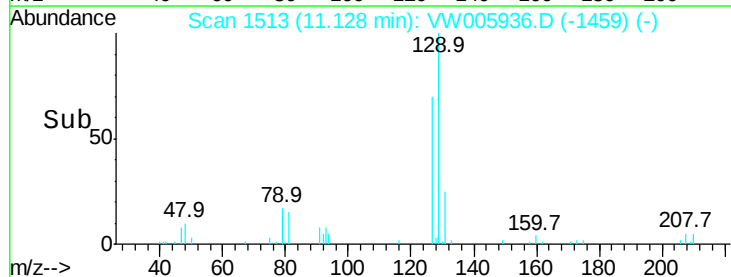
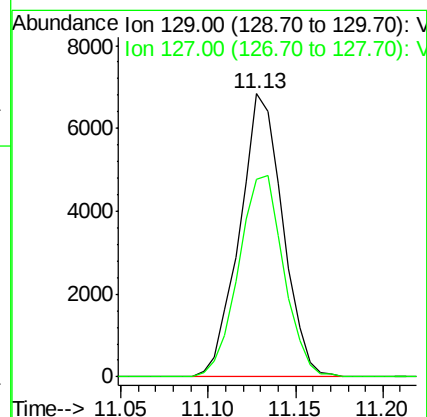
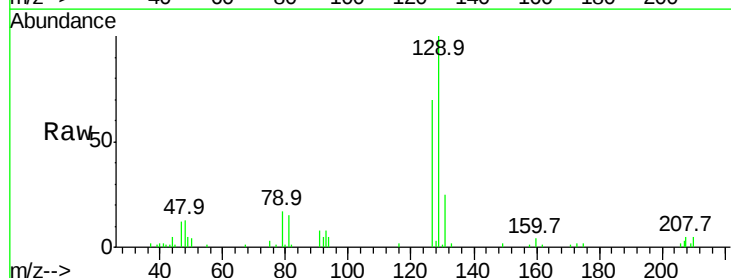
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.594

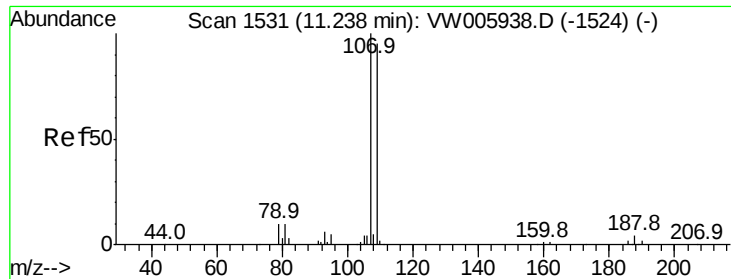
Tgt Ion:	43	Resp:	11562
Ion	Ratio	Lower	Upper
43	100		
58	53.4	42.1	63.1
57	21.5	15.1	22.7
100	12.9	9.9	14.9



#50
Dibromochloromethane
Concen: 2.168 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW005936.D
Acq: 09 Oct 2018 11:35

Tgt Ion:	129	Resp:	11734
Ion	Ratio	Lower	Upper
129	100		
127	70.0	54.4	101.0

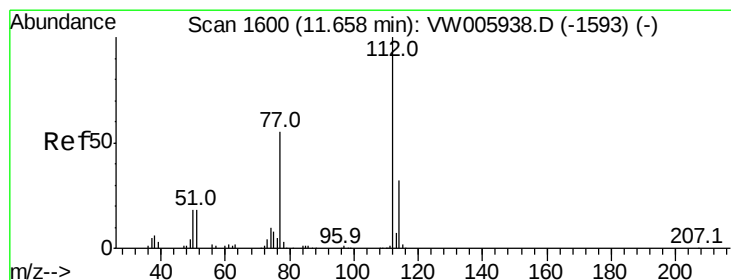
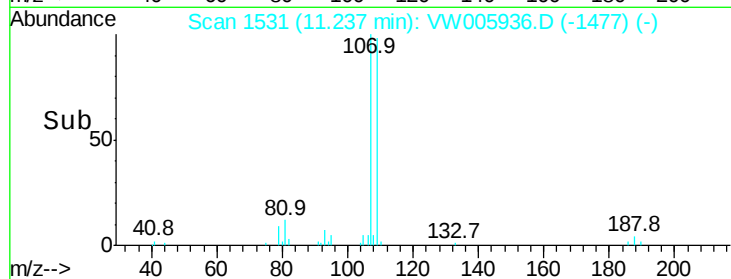
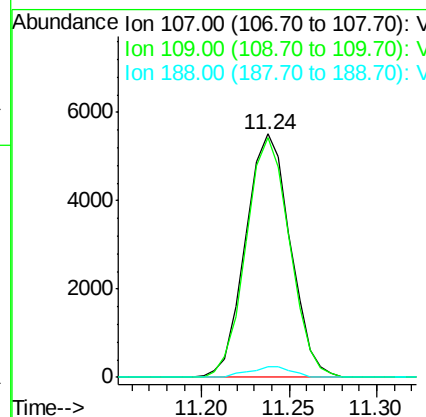
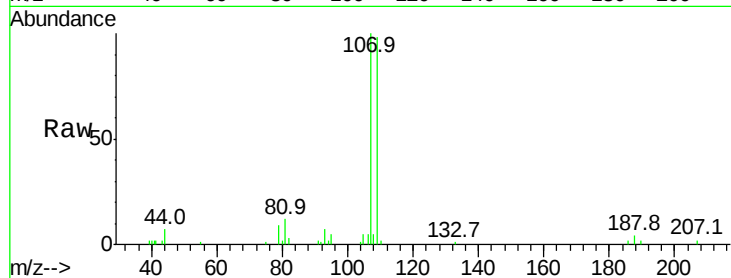




#51
1,2-Dibromoethane
Concen: 2.351 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW005936.D
Acq: 09 Oct 2018 11:35

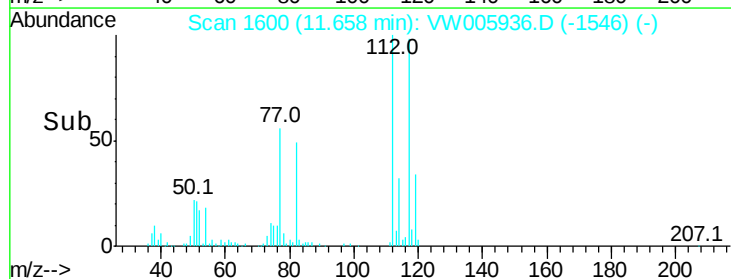
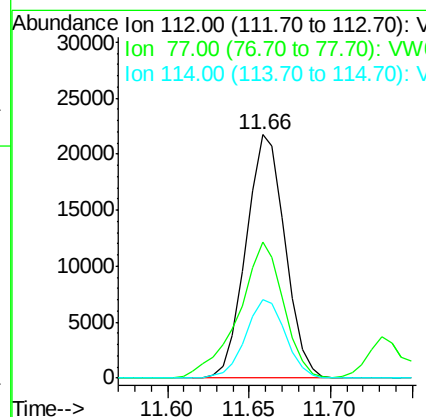
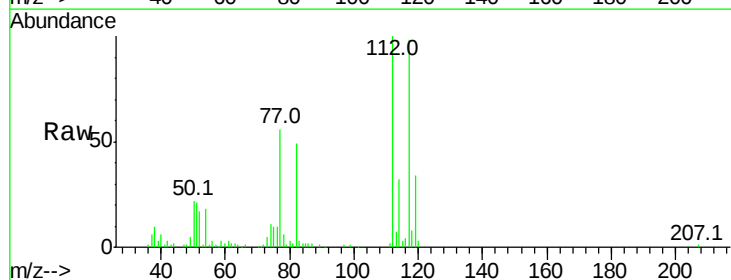
Instrument :
MSVOA_W
ClientSampleId :
VSTD2.594

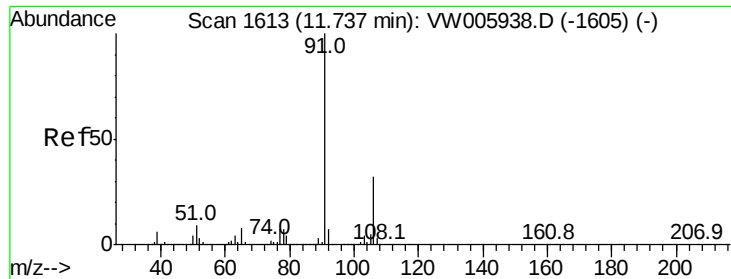
Tgt Ion:107 Resp: 9809
Ion Ratio Lower Upper
107 100
109 98.4 66.6 123.8
188 4.2 3.4 5.0



#52
Chlorobenzene
Concen: 2.324 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW005936.D
Acq: 09 Oct 2018 11:35

Tgt Ion:112 Resp: 36256
Ion Ratio Lower Upper
112 100
77 55.9 44.2 66.2
114 32.4 22.1 41.1





#53

Ethylbenzene

Concen: 2.270 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.01 min

Lab File: VW005936.D

Acq: 09 Oct 2018 11:35

Instrument :

MSVOA_W

ClientSampleId :

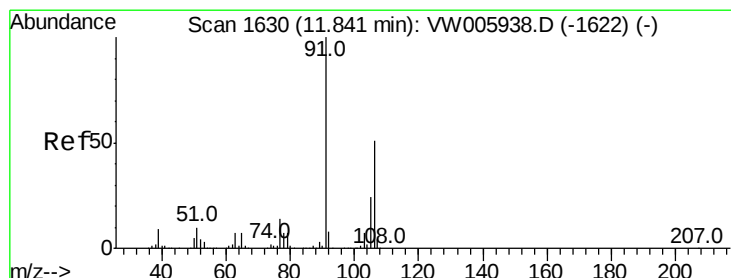
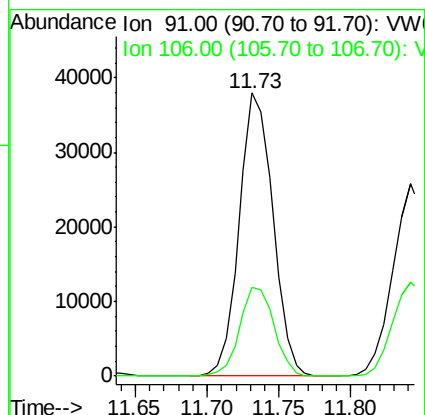
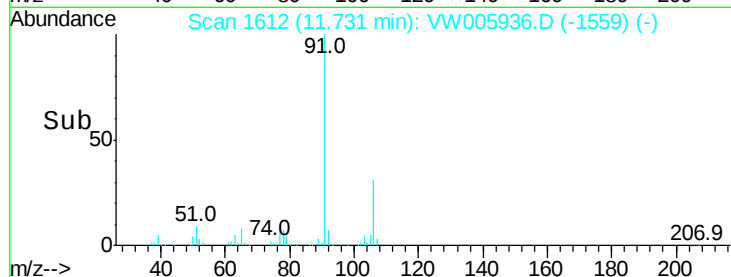
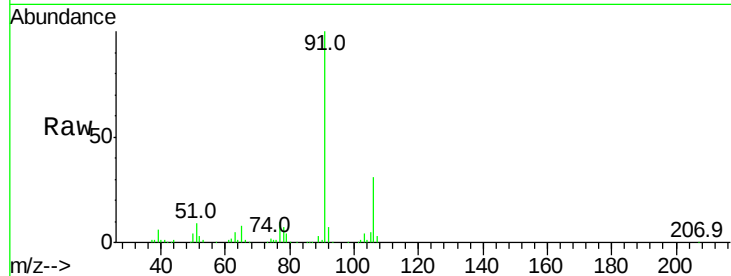
VSTD2.594

Tgt Ion: 91 Resp: 61645

Ion Ratio Lower Upper

91 100

106 31.3 22.6 42.0



#54

m,p-Xylene

Concen: 2.336 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW005936.D

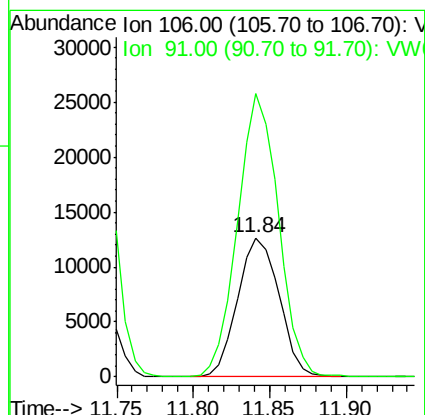
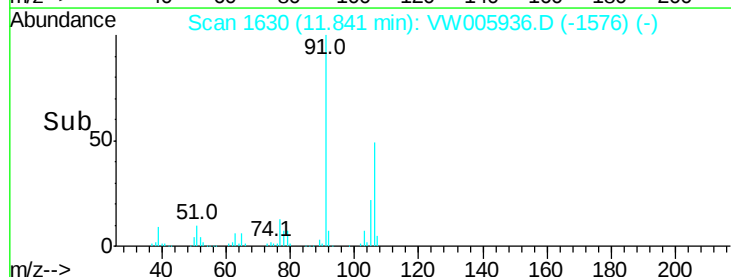
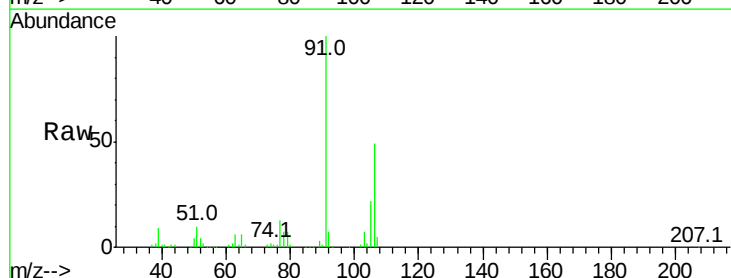
Acq: 09 Oct 2018 11:35

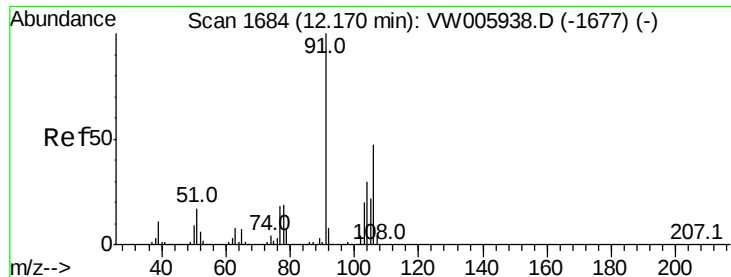
Tgt Ion: 106 Resp: 23901

Ion Ratio Lower Upper

106 100

91 203.2 138.4 257.0





#55

o-xylene

Concen: 2.334 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW005936.D

Acq: 09 Oct 2018 11:35

Instrument :

MSVOA_W

ClientSampleId :

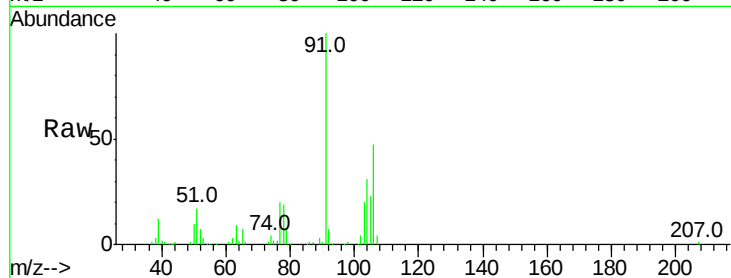
VSTD2.594

Tgt Ion:106 Resp: 22507

Ion Ratio Lower Upper

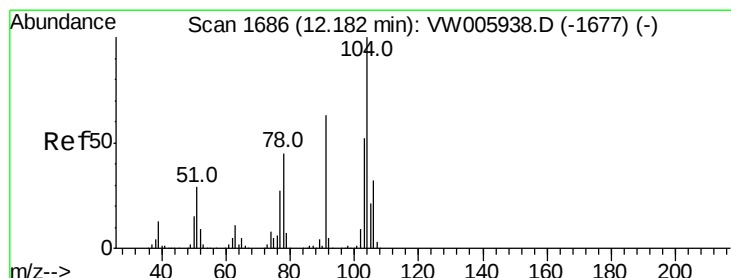
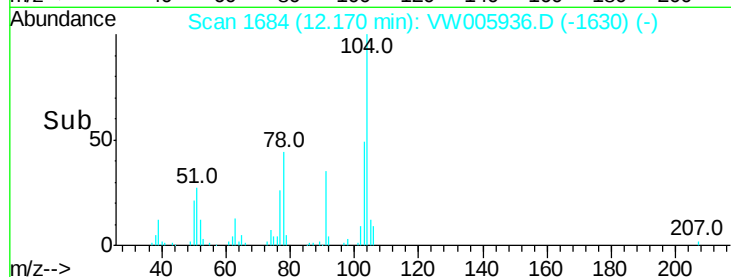
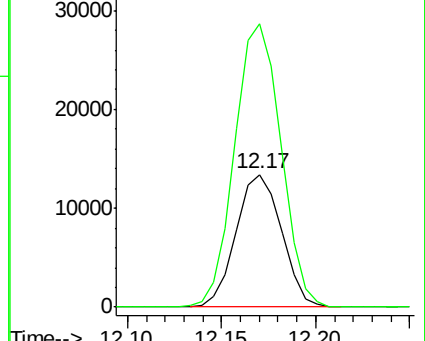
106 100

91 213.7 148.7 276.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 2.219 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW005936.D

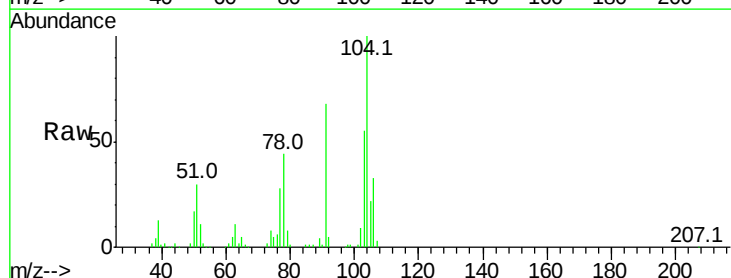
Acq: 09 Oct 2018 11:35

Tgt Ion:104 Resp: 37553

Ion Ratio Lower Upper

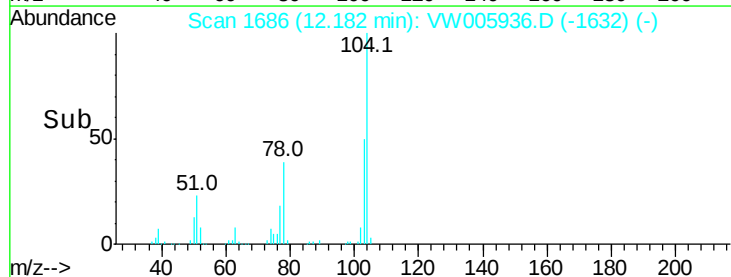
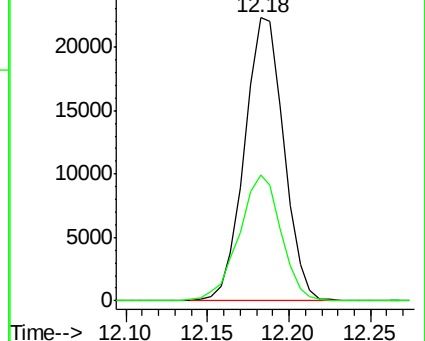
104 100

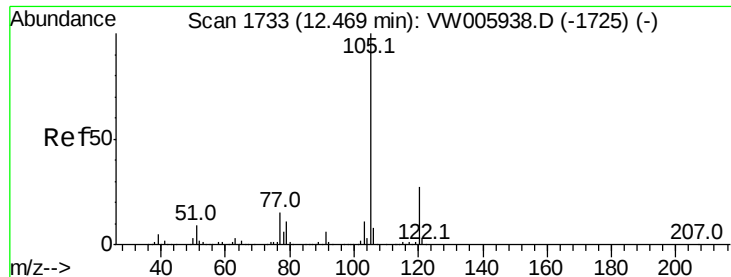
78 44.5 31.2 58.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 2.269 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW005936.D

Acq: 09 Oct 2018 11:35

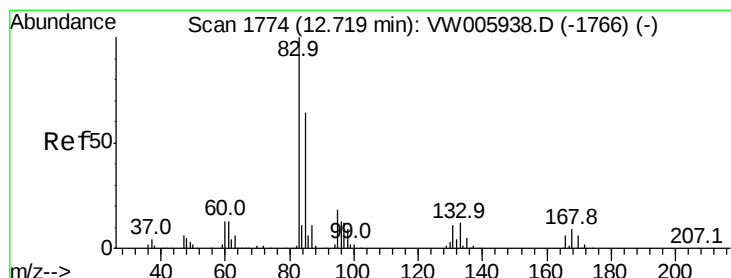
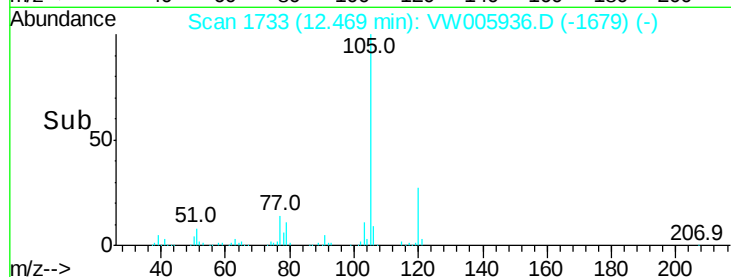
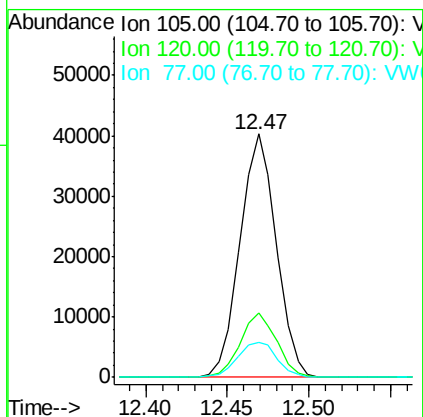
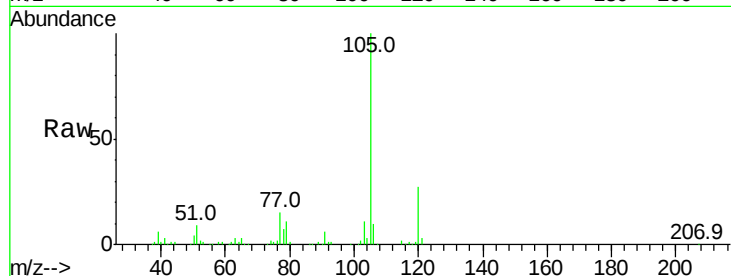
Instrument :

MSVOA_W

ClientSampled :

VSTD2.594

Tgt Ion:	105	Resp:	62487
Ion	Ratio	Lower	Upper
105	100		
120	26.5	21.8	32.6
77	15.6	12.2	18.2



#58

1,1,2,2-Tetrachloroethane

Concen: 2.177 ug/L

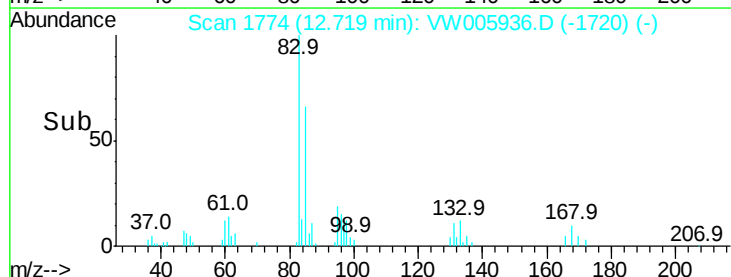
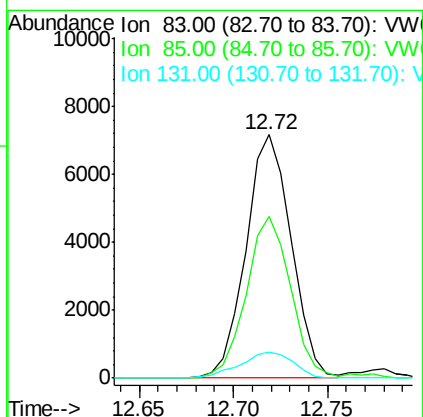
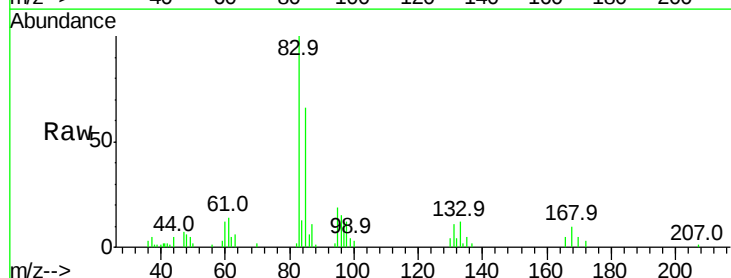
RT: 12.72 min Scan# 1774

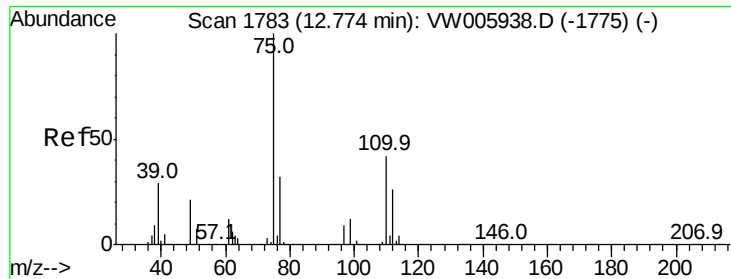
Delta R.T. -0.00 min

Lab File: VW005936.D

Acq: 09 Oct 2018 11:35

Tgt Ion:	83	Resp:	11986
Ion	Ratio	Lower	Upper
83	100		
85	66.2	44.8	83.2
131	10.8	9.0	13.4





#59

1,2,3-Trichloropropane

Concen: 1.970 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW005936.D

Acq: 09 Oct 2018 11:35

Instrument :

MSVOA_W

ClientSampleId :

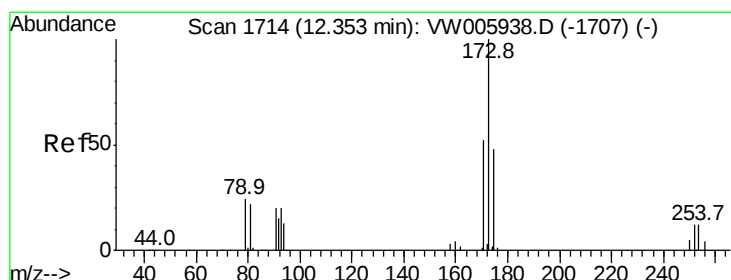
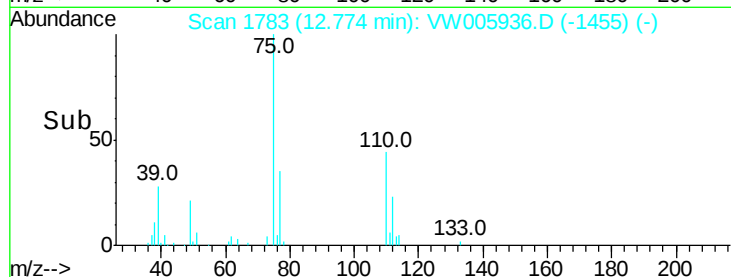
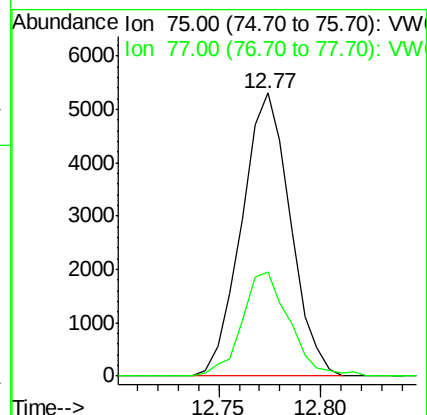
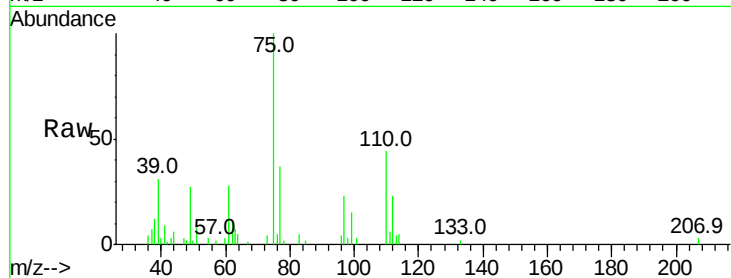
VSTD2.594

Tgt Ion: 75 Resp: 8807

Ion Ratio Lower Upper

75 100

77 35.3 25.9 38.9



#62

Bromoform

Concen: 2.015 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW005936.D

Acq: 09 Oct 2018 11:35

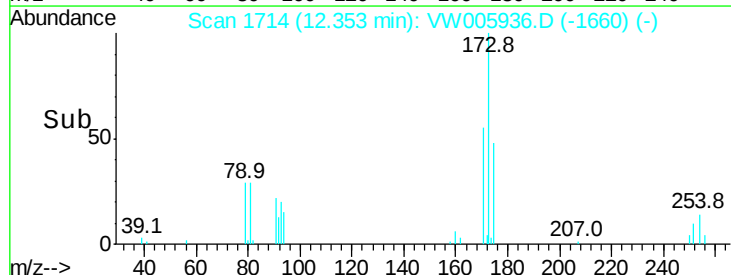
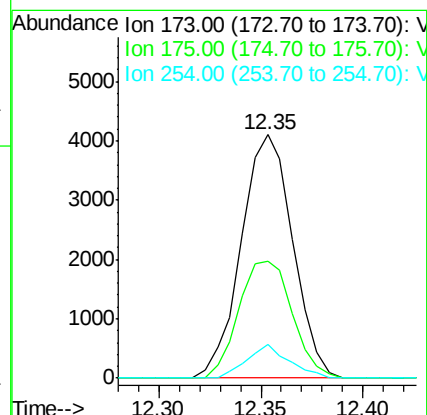
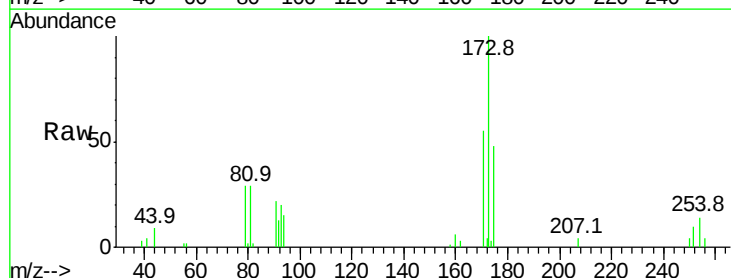
Tgt Ion: 173 Resp: 7195

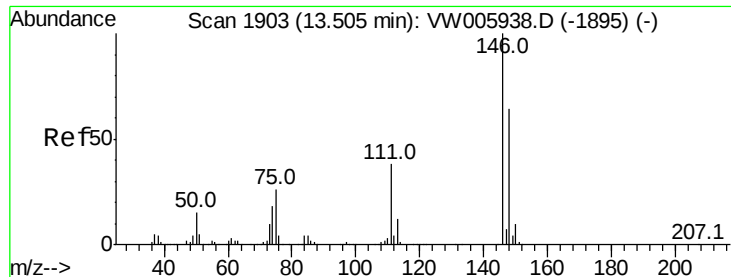
Ion Ratio Lower Upper

173 100

175 49.6 39.1 58.7

254 11.2 9.2 13.8

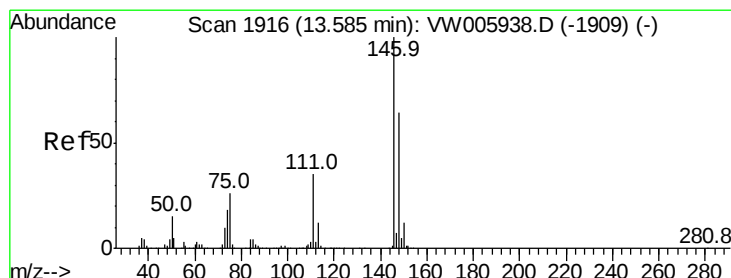
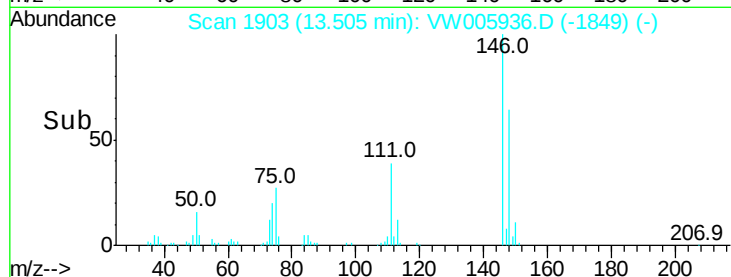
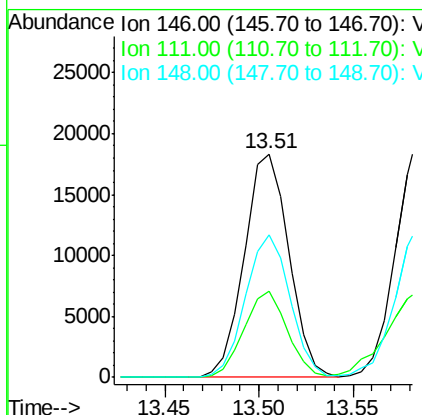
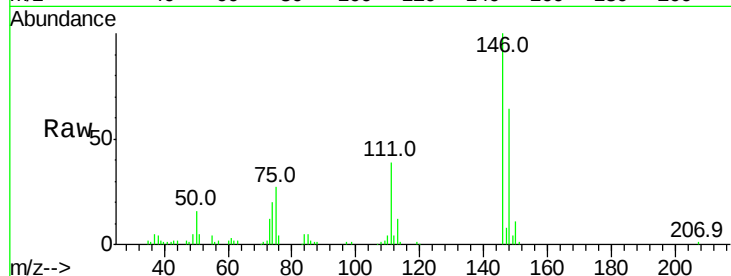




#63
 1,3-Dichlorobenzene
 Concen: 2.361 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW005936.D
 Acq: 09 Oct 2018 11:35

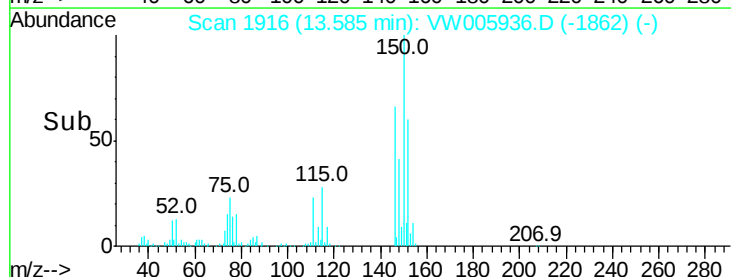
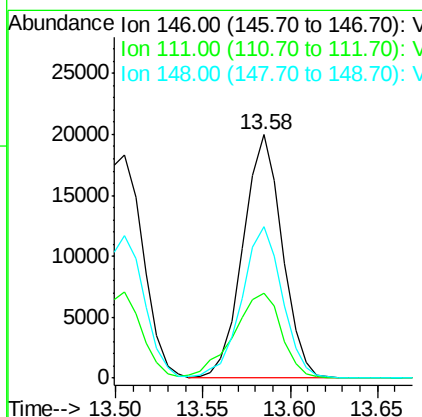
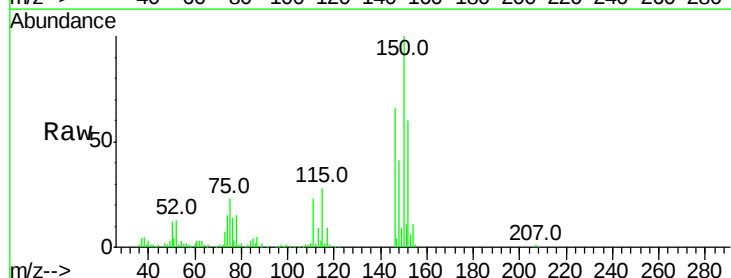
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.594

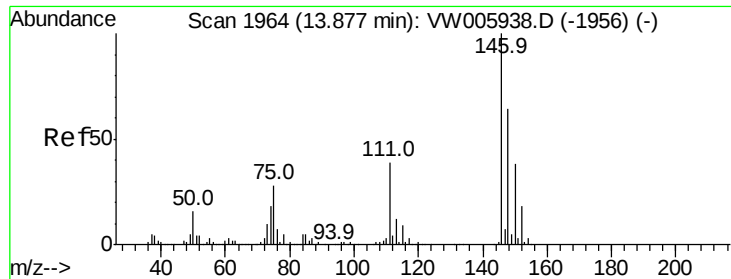
Tgt Ion:146 Resp: 30121
 Ion Ratio Lower Upper
 146 100
 111 38.7 26.3 48.9
 148 63.8 44.7 82.9



#64
 1,4-Dichlorobenzene
 Concen: 2.339 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW005936.D
 Acq: 09 Oct 2018 11:35

Tgt Ion:146 Resp: 31154
 Ion Ratio Lower Upper
 146 100
 111 35.1 24.7 45.9
 148 62.4 44.9 83.5

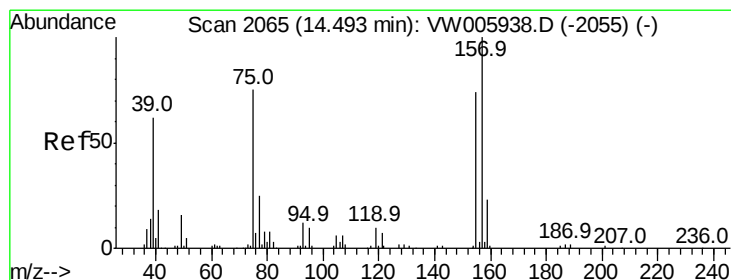
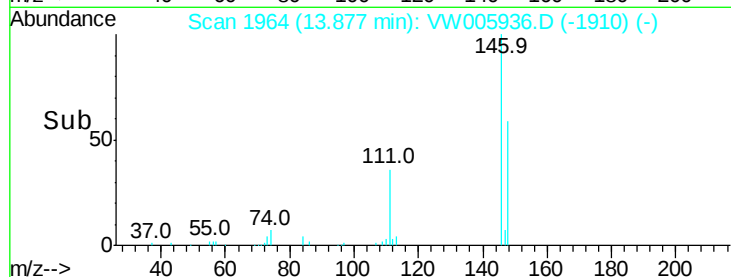
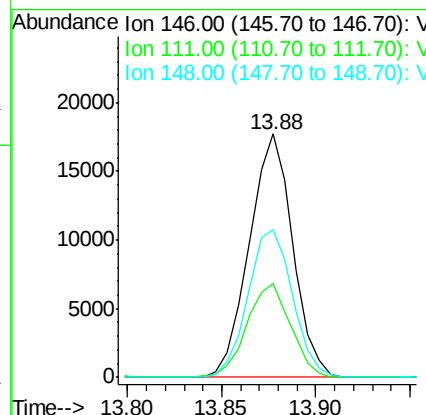
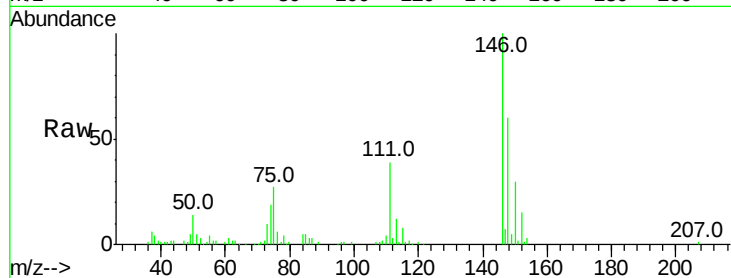




#65
 1,2-Dichlorobenzene
 Concen: 2.301 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW005936.D
 Acq: 09 Oct 2018 11:35

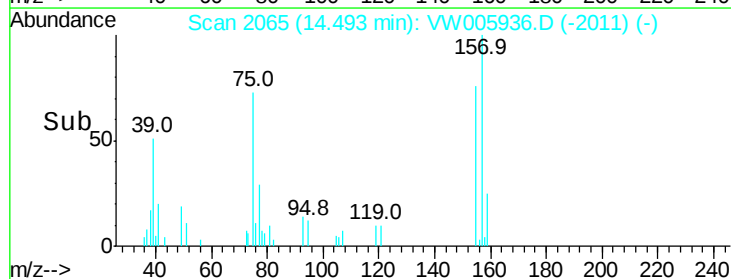
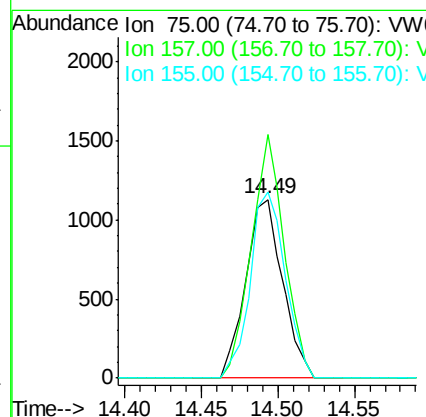
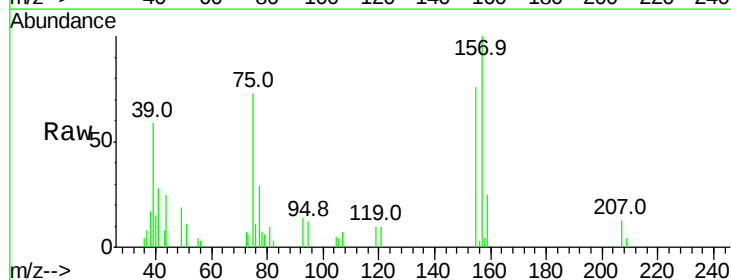
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.594

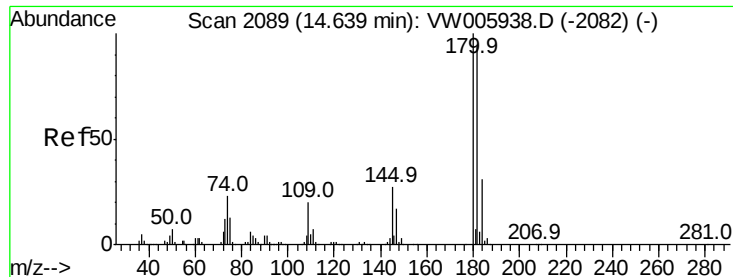
Tgt Ion: 146 Resp: 28243
 Ion Ratio Lower Upper
 146 100
 111 38.7 31.1 46.7
 148 60.5 51.2 76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.609 ug/L
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW005936.D
 Acq: 09 Oct 2018 11:35

Tgt Ion: 75 Resp: 1878
 Ion Ratio Lower Upper
 75 100
 157 136.2 106.8 160.2
 155 103.8 79.2 118.8

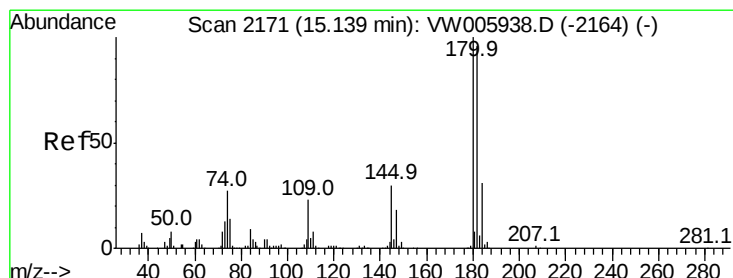
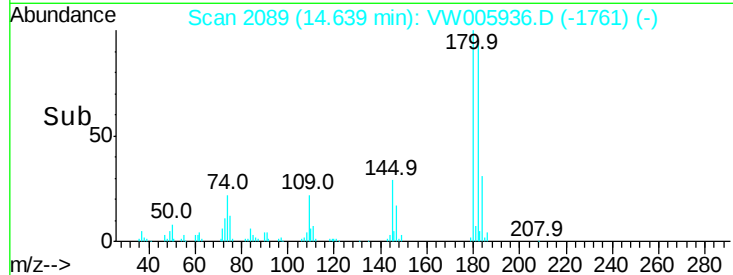
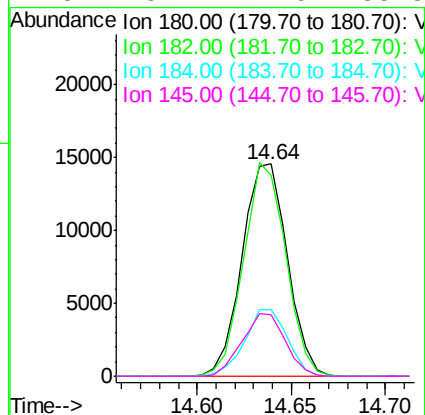
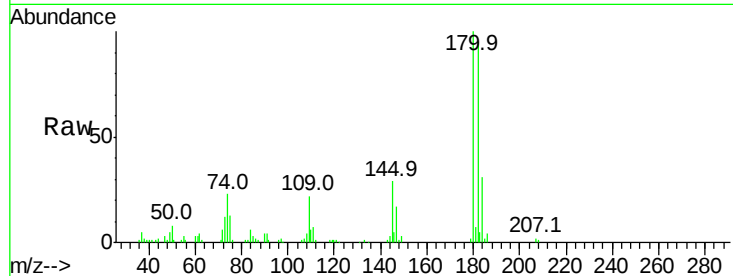




#67
 1,3,5-Trichlorobenzene
 Concen: 2.321 ug/L
 RT: 14.64 min Scan# 2089
 Delta R.T. -0.00 min
 Lab File: VW005936.D
 Acq: 09 Oct 2018 11:35

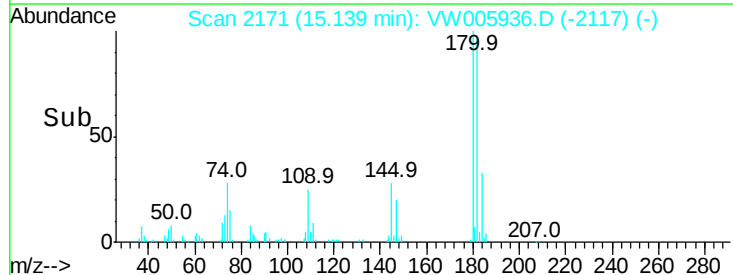
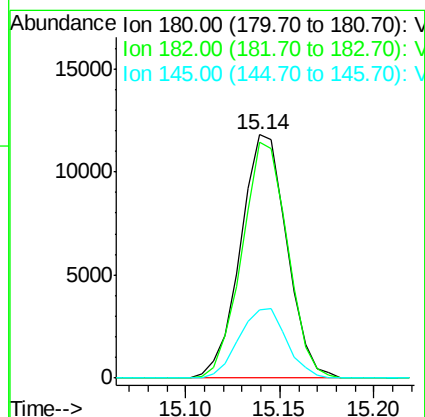
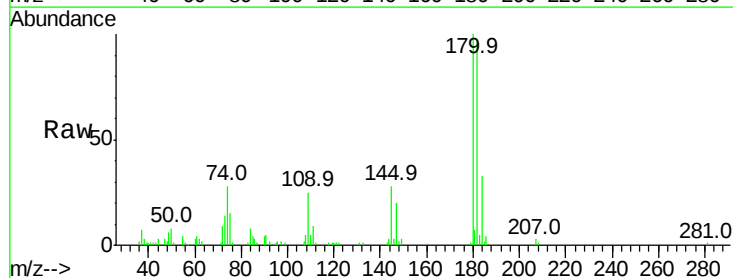
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD2.594

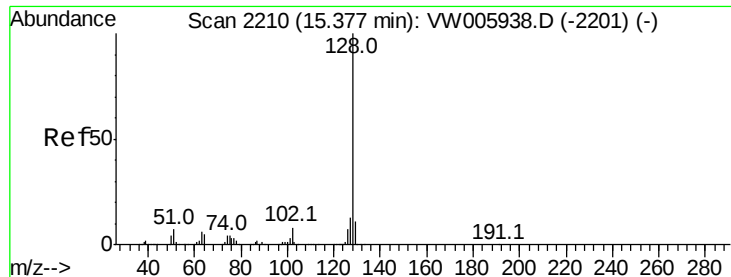
Tgt Ion:	180	Resp:	24302
Ion	Ratio	Lower	Upper
180	100		
182	93.6	76.0	114.0
184	29.6	24.3	36.5
145	28.2	22.6	33.8



#68
 1,2,4-trichlorobenzene
 Concen: 2.346 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW005936.D
 Acq: 09 Oct 2018 11:35

Tgt Ion:	180	Resp:	20175
Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.2	114.2
145	28.9	23.0	34.6





#69

Naphthalene

Concen: 2.255 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW005936.D

Acq: 09 Oct 2018 11:35

Instrument :

MSVOA_W

ClientSampleId :

VSTD2.594

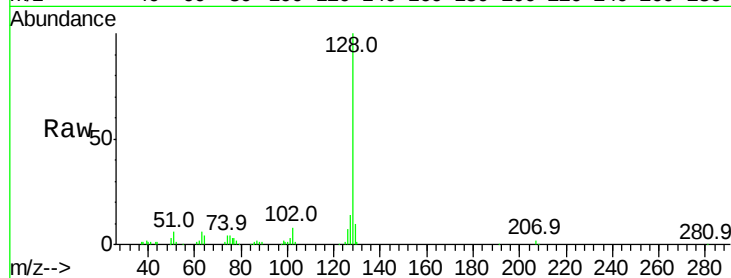
Tgt Ion:128 Resp: 38862

Ion Ratio Lower Upper

128 100

129 10.1 8.9 13.3

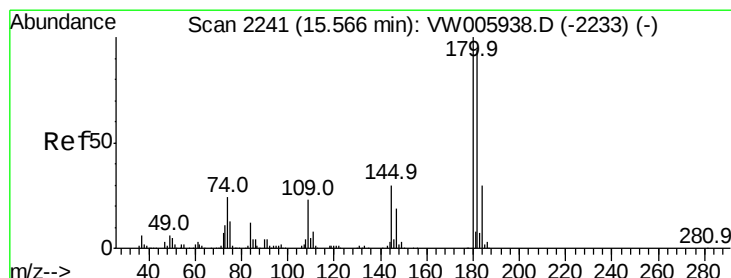
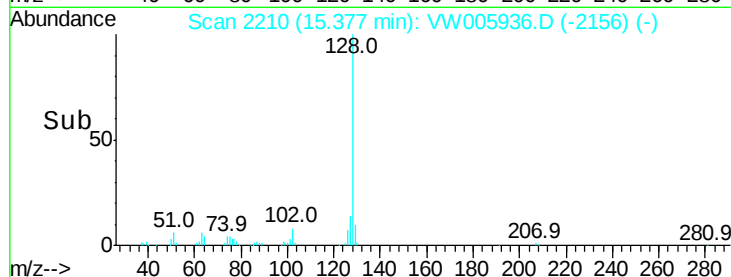
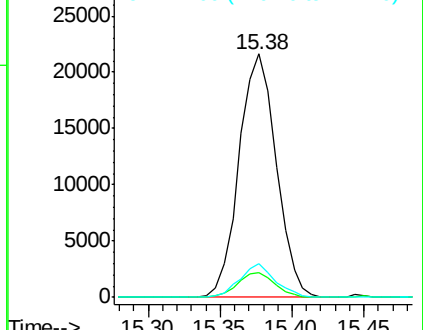
127 12.9 10.5 15.7



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: 2.167 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VW005936.D

Acq: 09 Oct 2018 11:35

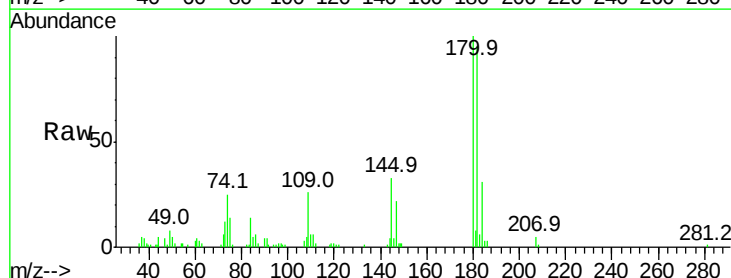
Tgt Ion:180 Resp: 17467

Ion Ratio Lower Upper

180 100

182 93.6 75.5 113.3

145 31.6 24.5 36.7



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

