

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042919\
 Data File : VW010180.D
 Acq On : 29 Apr 2019 14:11
 Operator : SY/VA
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 30 04:28:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM042919S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Apr 29 15:05:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	698825	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	655785	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	332200	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	160960	20.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.20%
7) Chloroethane-d5	2.89	69	139354	21.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.76%
10) 1,1-Dichloroethene-d2	4.01	63	364084	20.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	82.60%
20) 2-Butanone-d5	7.07	46	145484	49.76	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.52%
24) Chloroform-d	7.64	84	387072	21.37	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.48%
26) 1,2-Dichloroethane-d4	8.31	65	227589	21.87	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.48%
29) Benzene-d6	8.27	84	741727	21.01	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	84.04%
33) 1,2-Dichloropropane-d6	9.27	67	230435	20.89	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	83.56%
37) Toluene-d8	10.32	98	681186	21.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.84%
38) trans-1,3-Dichloropropene-	10.57	79	109987	21.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.56%
39) 2-Hexanone-d5	10.93	63	121177	52.27	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.54%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	216251	22.95	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.80%
61) 1,2-Dichlorobenzene-d4	13.86	152	259671	21.04	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.16%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	246143	25.074	ug/L 100
3) Chloromethane	2.21	50	214388	25.949	ug/L 99
5) Vinyl chloride	2.37	62	246671	24.334	ug/L 96
6) Bromomethane	2.78	94	144942	25.036	ug/L 97
8) Chloroethane	2.92	64	148355	24.547	ug/L 99
9) Trichlorofluoromethane	3.25	101	119769	21.724	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	190536	22.607	ug/L 99
12) 1,1-Dichloroethene	4.03	96	196219	23.127	ug/L 95
13) Acetone	4.12	43	109734	47.488	ug/L 100
14) Carbon disulfide	4.38	76	585795	23.962	ug/L 98
15) Methyl Acetate	4.67	43	132552	26.421	ug/L 100
16) Methylene chloride	4.90	84	234259	20.145	ug/L 96
17) Methyl tert-butyl Ether	5.42	73	302542	27.430	ug/L 100
18) trans-1,2-Dichloroethene	5.42	96	214120	23.887	ug/L 99
19) 1,1-Dichloroethane	6.21	63	403871	24.271	ug/L 99
21) 2-Butanone	7.17	43	174949	53.987	ug/L 100
22) cis-1,2-Dichloroethene	7.17	96	242938	25.062	ug/L 98

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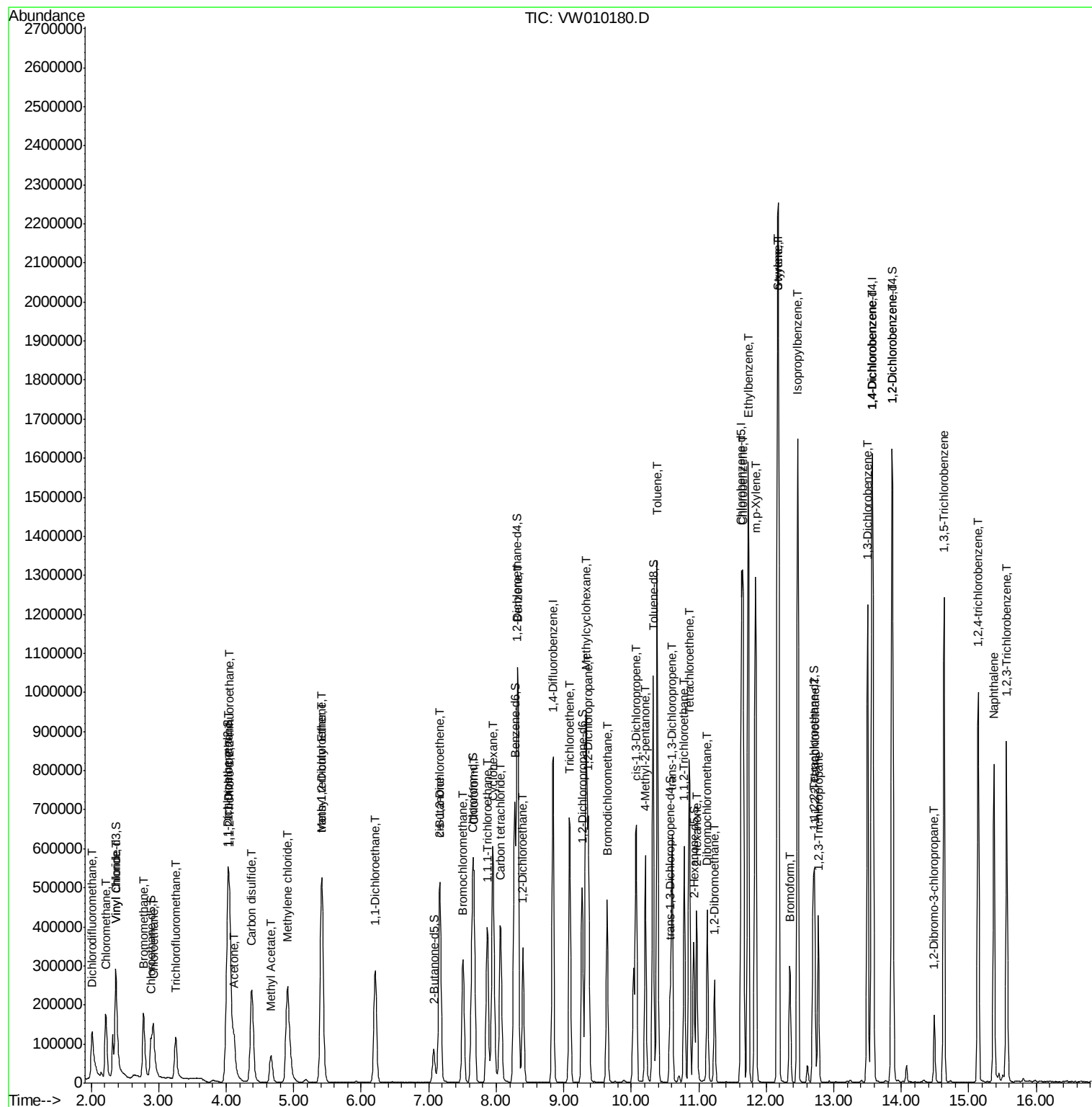
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	113420	25.449	ug/L	95
25) Chloroform	7.67	83	419216	24.587	ug/L	99
27) 1,2-Dichloroethane	8.40	62	306571	25.406	ug/L	99
30) Cyclohexane	7.95	56	360448	24.274	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	324463	23.681	ug/L	99
32) Carbon tetrachloride	8.07	117	322682	23.727	ug/L	99
34) Benzene	8.32	78	897153	24.379	ug/L	100
35) Trichloroethene	9.09	95	233664	23.813	ug/L	100
36) Methylcyclohexane	9.34	83	389466	23.851	ug/L	100
40) 1,2-Dichloropropane	9.37	63	235153	24.625	ug/L	100
41) Bromodichloromethane	9.64	83	315572	25.136	ug/L	97
42) cis-1,3-Dichloropropene	10.07	75	375156	25.254	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	381730	56.718	ug/L	99
44) Toluene	10.38	91	973306	24.712	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	331149	25.624	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	184569	25.860	ug/L	97
47) Tetrachloroethene	10.86	164	191736	23.548	ug/L	96
49) 2-Hexanone	10.97	43	279498	58.092	ug/L	99
50) Dibromochloromethane	11.13	129	226311	25.535	ug/L	96
51) 1,2-Dibromoethane	11.24	107	180888	25.888	ug/L	97
52) Chlorobenzene	11.66	112	628018	24.342	ug/L	99
53) Ethylbenzene	11.73	91	1096309	24.585	ug/L	100
54) m,p-Xylene	11.84	106	412251	24.565	ug/L	99
55) o-xylene	12.16	106	397820	25.077	ug/L	99
56) Styrene	12.18	104	703172	25.595	ug/L	99
57) Isopropylbenzene	12.46	105	1075216	24.907	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	233122	26.227	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	177131	26.732	ug/L	99
62) Bromoform	12.35	173	137442	25.748	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	493591	24.602	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	509081	24.135	ug/L	97
65) 1,2-Dichlorobenzene	13.87	146	472362	24.996	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	43161	27.507	ug/L	88
67) 1,3,5-Trichlorobenzene	14.63	180	380885	24.674	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	313975	25.117	ug/L	99
69) Naphthalene	15.37	128	685682	26.787	ug/L	100
70) 1,2,3-Trichlorobenzene	15.56	180	297229	25.161	ug/L	99

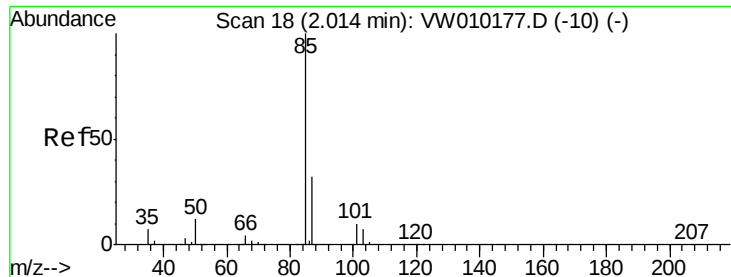
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 25.074 ug/L

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW010180.D

Acq: 29 Apr 2019 14:11

Instrument :

MSVOA_W

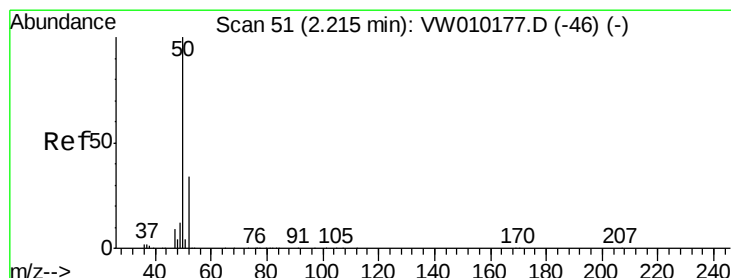
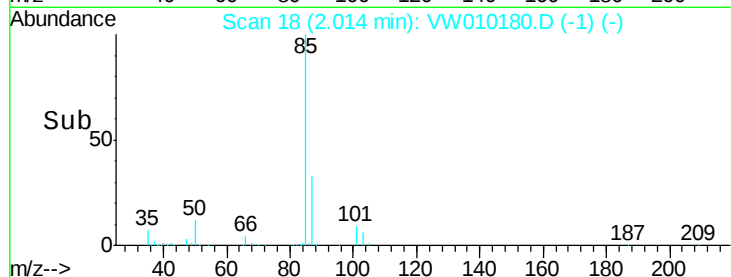
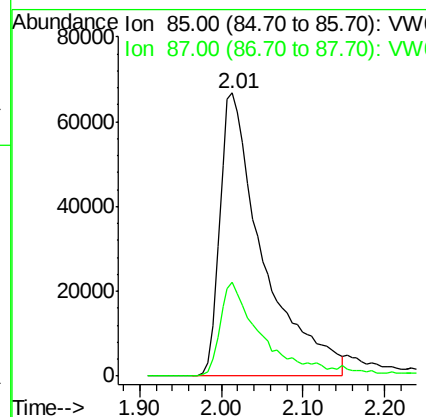
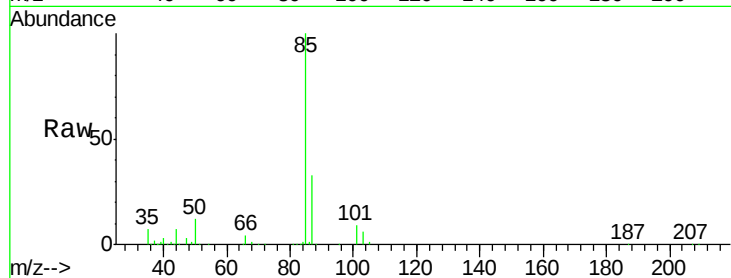
ClientSampleId :

Tot Ion: 85 Resp: 246143

Ion Ratio Lower Upper

85 100

87 29.2 20.6 38.2



#3

Chloromethane

Concen: 25.949 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW010180.D

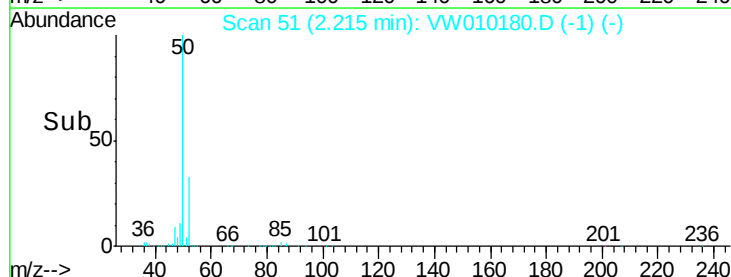
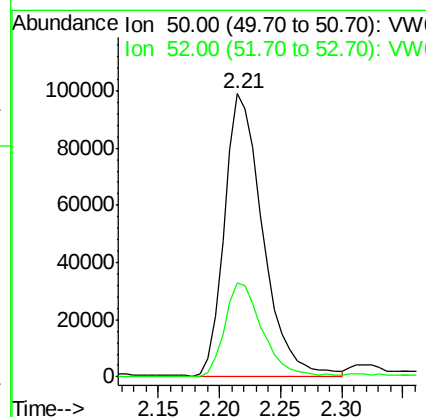
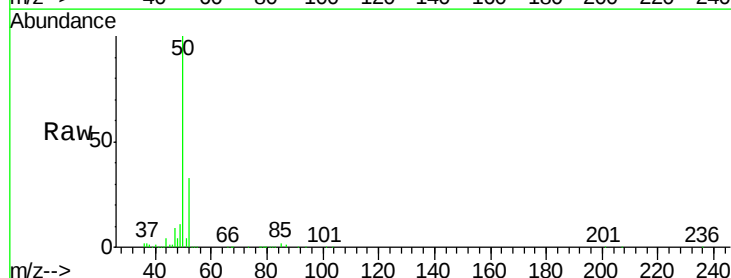
Acq: 29 Apr 2019 14:11

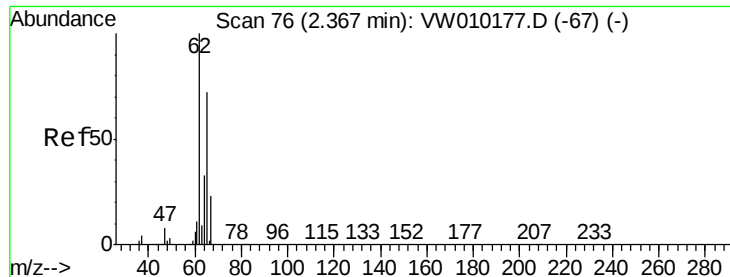
Tgt Ion: 50 Resp: 214388

Ion Ratio Lower Upper

50 100

52 33.3 23.6 43.8





#5

Vinyl chloride

Concen: 24.334 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW010180.D

Acq: 29 Apr 2019 14:11

Instrument :

MSVOA_W

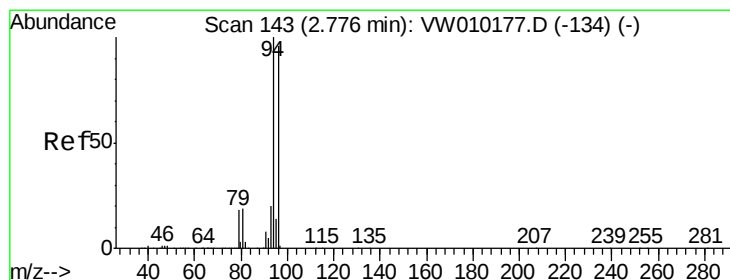
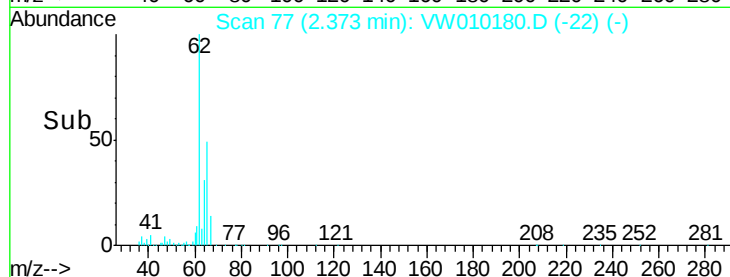
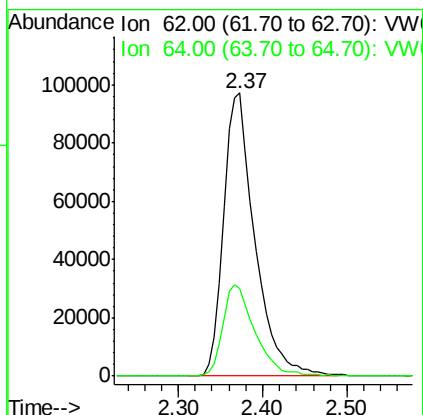
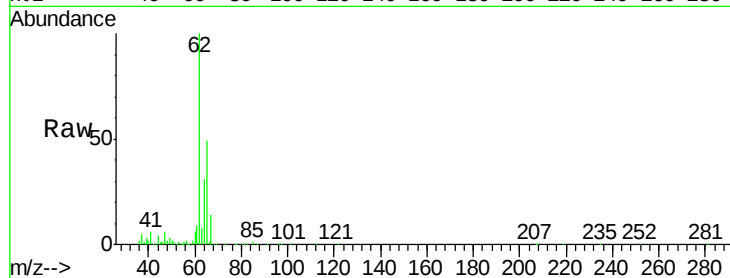
ClientSampleId :

Tot Ion: 62 Resp: 246671

Ion Ratio Lower Upper

62 100

64 30.8 23.3 43.3



#6

Bromomethane

Concen: 25.036 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW010180.D

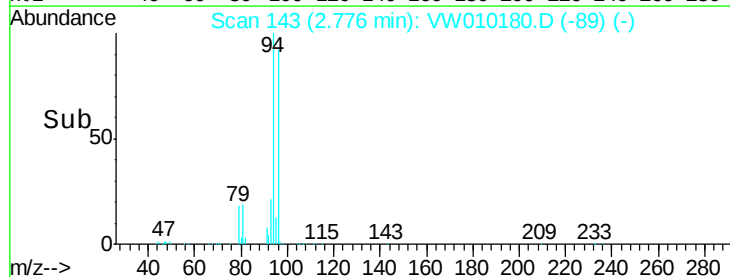
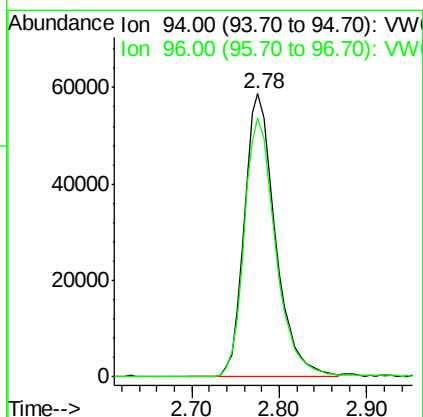
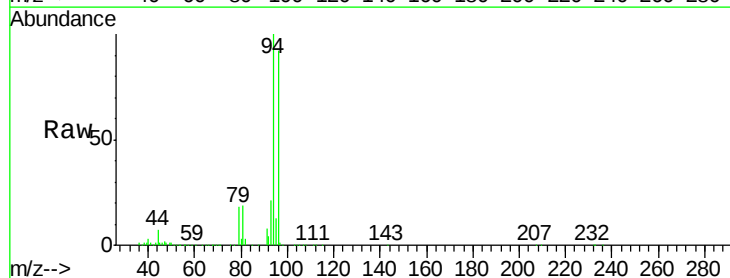
Acq: 29 Apr 2019 14:11

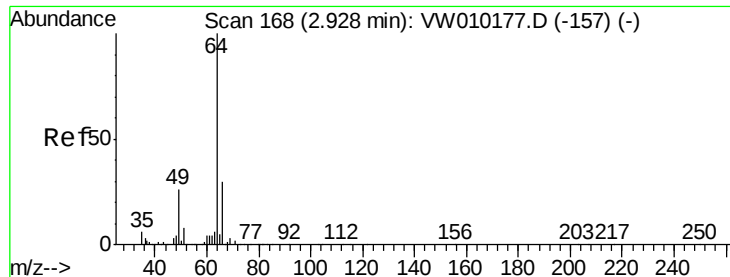
Tgt Ion: 94 Resp: 144942

Ion Ratio Lower Upper

94 100

96 92.0 9.5 180.3





#8

Chloroethane

Concen: 24.547 ug/L

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW010180.D

Acq: 29 Apr 2019 14:11

Instrument :

MSVOA_W

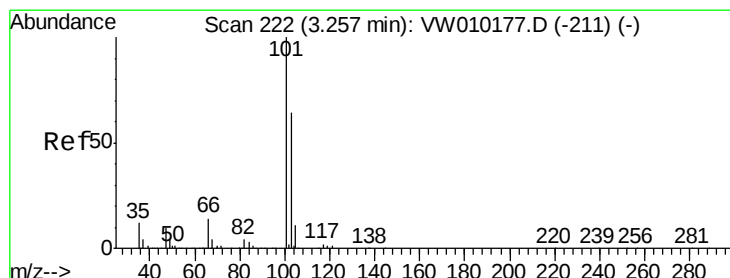
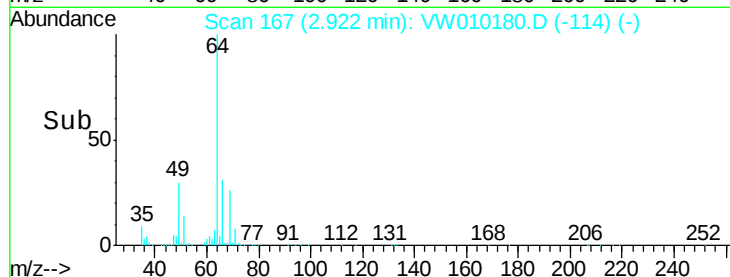
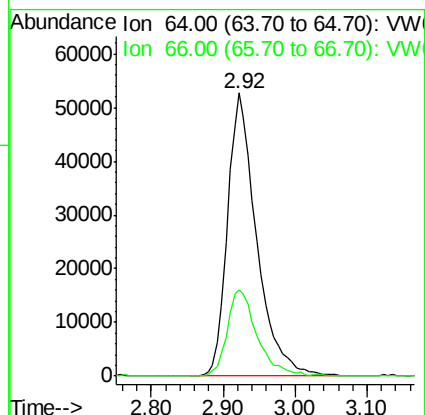
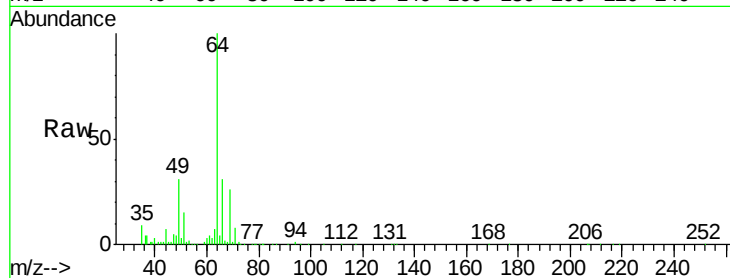
ClientSampleId :

Tot Ion: 64 Resp: 148355

Ion Ratio Lower Upper

64 100

66 30.7 21.3 39.5



#9

Trichlorofluoromethane

Concen: 21.724 ug/L

RT: 3.25 min Scan# 221

Delta R.T. -0.01 min

Lab File: VW010180.D

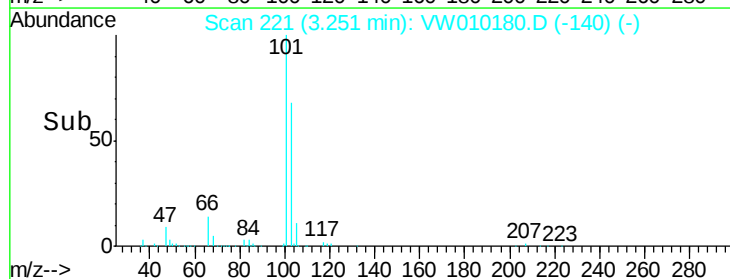
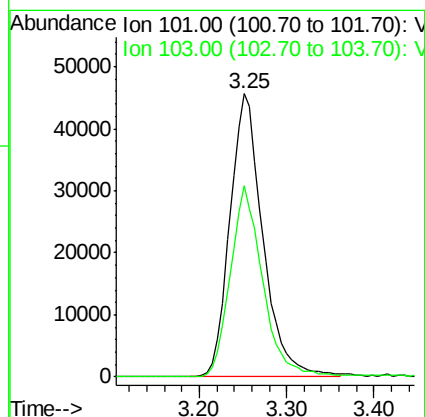
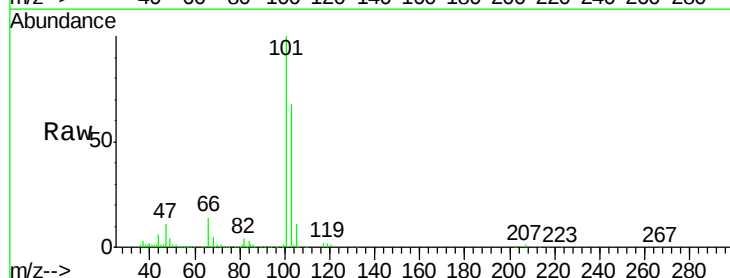
Acq: 29 Apr 2019 14:11

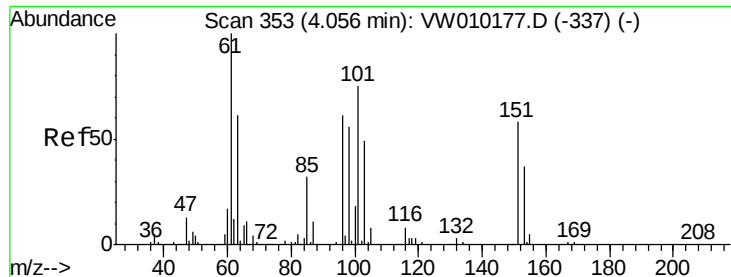
Tgt Ion: 101 Resp: 119769

Ion Ratio Lower Upper

101 100

103 65.4 45.5 84.5





#11

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

Concen: 22.607 ug/L

RT: 4.06 min Scan# 353

Delta R.T. 0.00 min

Lab File: VW010180.D

Acq: 29 Apr 2019 14:11

Instrument :

MSVOA_W

ClientSampleId :

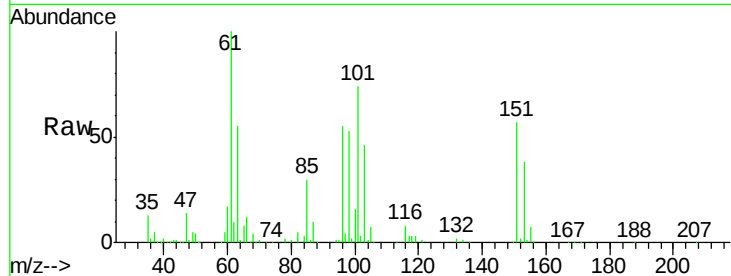
Tot Ion:101 Resp: 190536

Ion Ratio Lower Upper

101 100

85 40.5 33.8 50.6

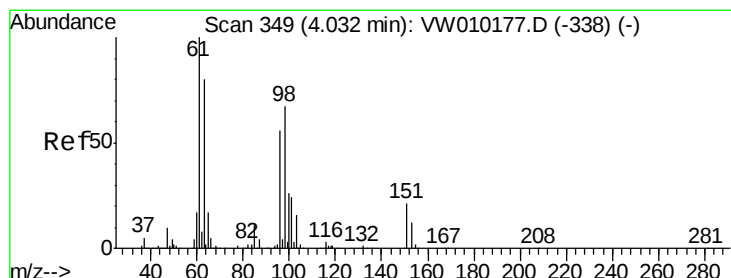
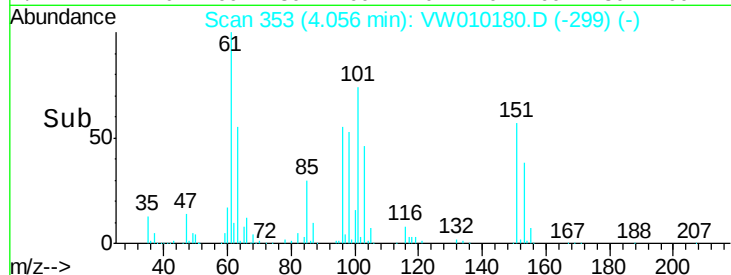
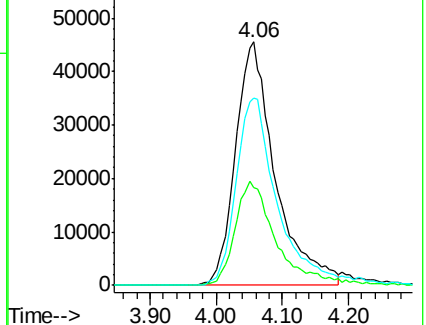
151 78.4 62.6 93.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 23.127 ug/L

RT: 4.03 min Scan# 349

Delta R.T. 0.00 min

Lab File: VW010180.D

Acq: 29 Apr 2019 14:11

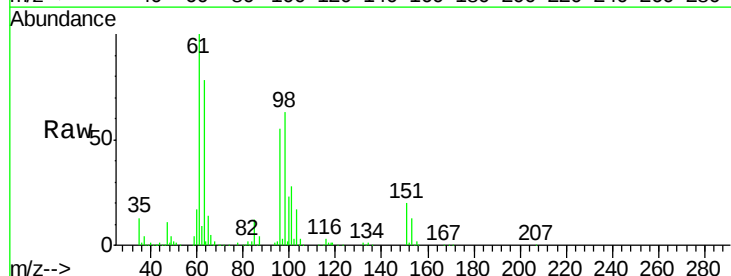
Tgt Ion: 96 Resp: 196219

Ion Ratio Lower Upper

96 100

61 183.2 125.2 232.6

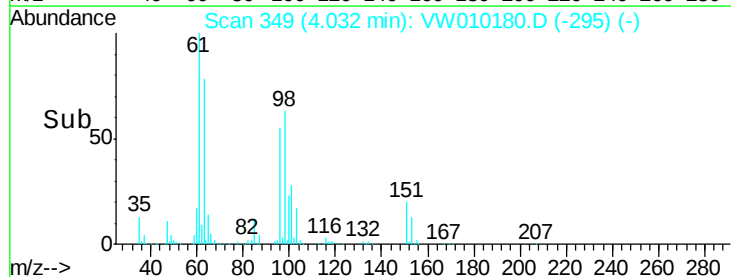
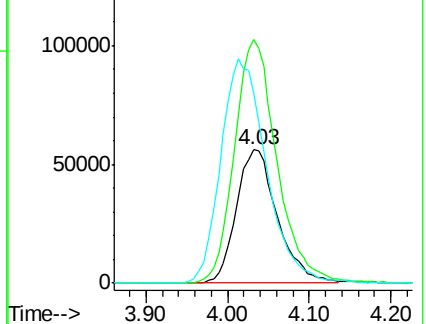
63 143.3 106.3 197.3

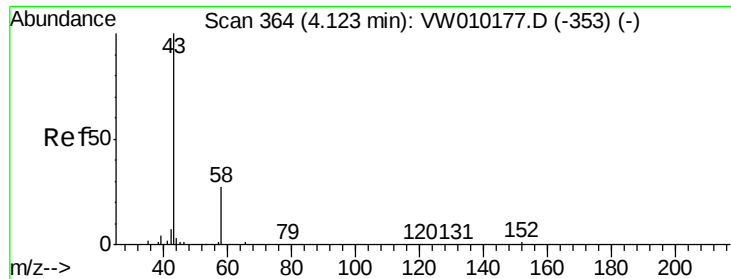


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 47.488 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW010180.D

Acq: 29 Apr 2019 14:11

Instrument :

MSVOA_W

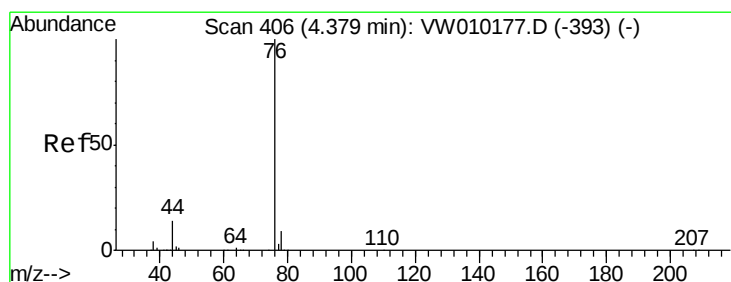
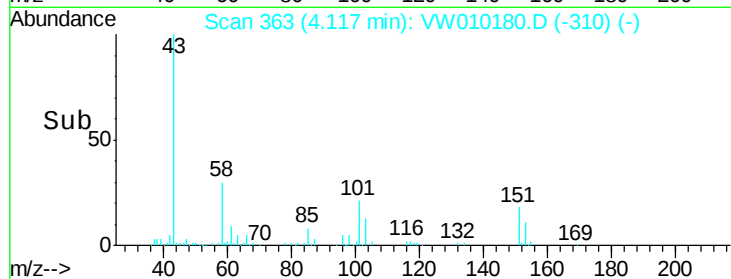
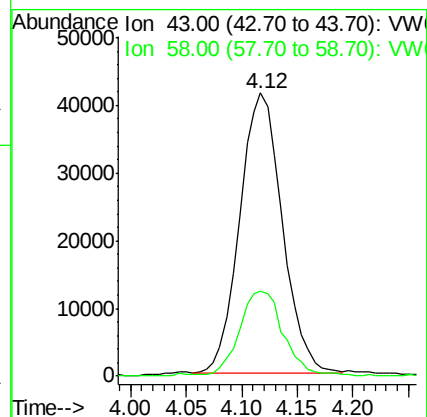
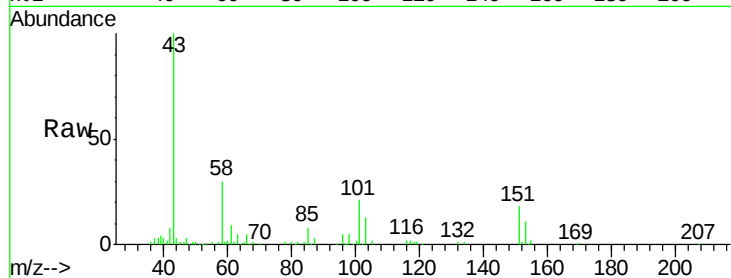
ClientSampled :

Tot Ion: 43 Resp: 109734

Ion Ratio Lower Upper

43 100

58 30.0 0.0 59.8



#14

Carbon disulfide

Concen: 23.962 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW010180.D

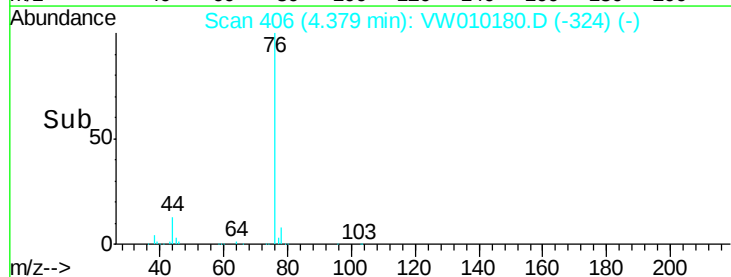
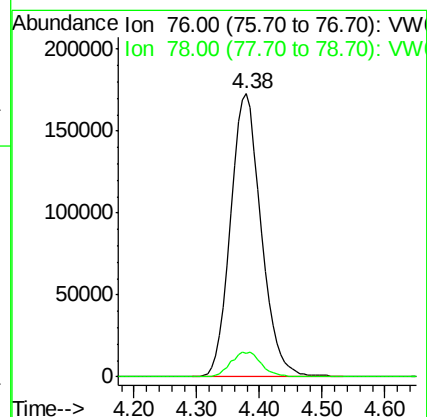
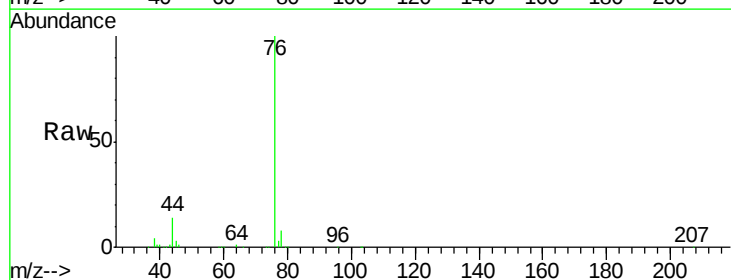
Acq: 29 Apr 2019 14:11

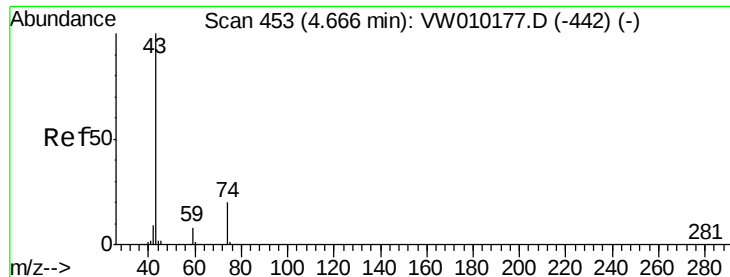
Tgt Ion: 76 Resp: 585795

Ion Ratio Lower Upper

76 100

78 8.5 7.3 10.9





#15

Methvl Acetate

Concen: 26.421 ug/L

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW010180.D

Acq: 29 Apr 2019 14:11

Instrument :

MSVOA_W

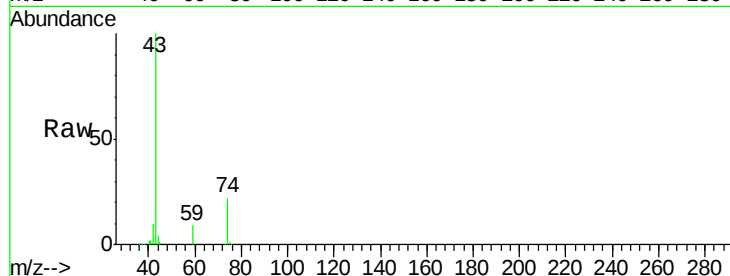
ClientSampled :

Tot Ion: 43 Resp: 132552

Ion Ratio Lower Upper

43 100

74 22.0 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

50000

40000

30000

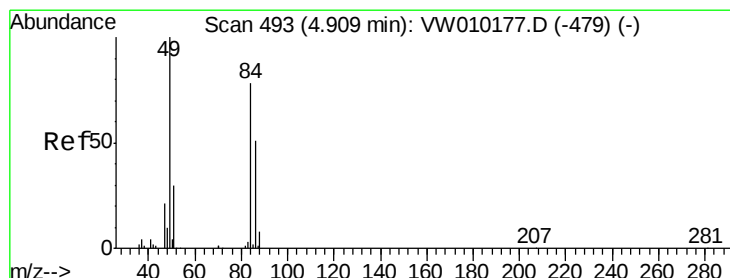
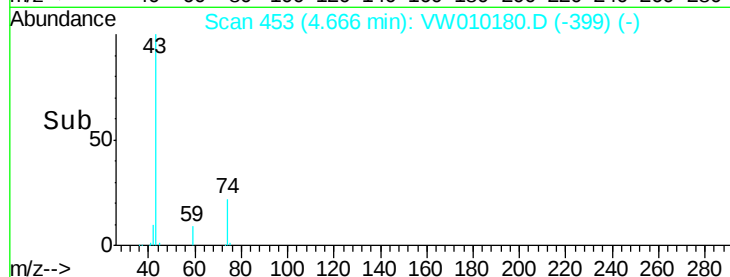
20000

10000

0

4.60 4.70 4.80

Time-->



#16

Methylene chloride

Concen: 20.145 ug/L

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW010180.D

Acq: 29 Apr 2019 14:11

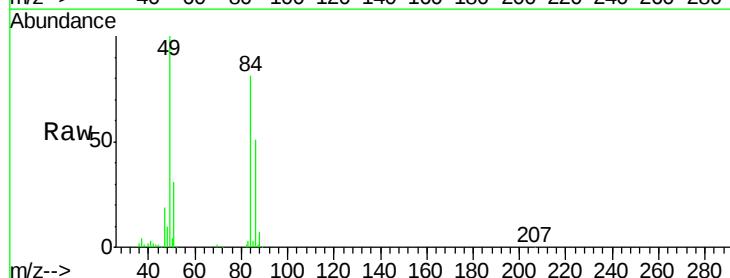
Tgt Ion: 84 Resp: 234259

Ion Ratio Lower Upper

84 100

49 123.9 90.2 167.6

86 62.7 46.3 86.1



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

100000

80000

60000

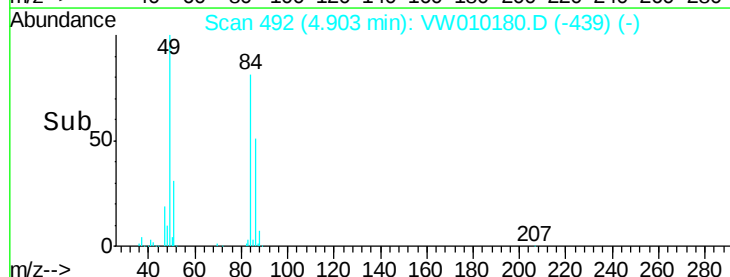
40000

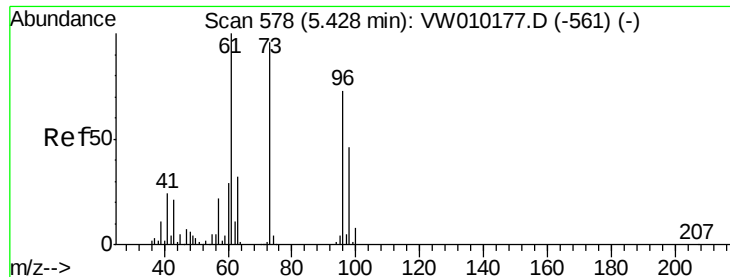
20000

0

4.80 4.90 5.00 5.10

Time-->

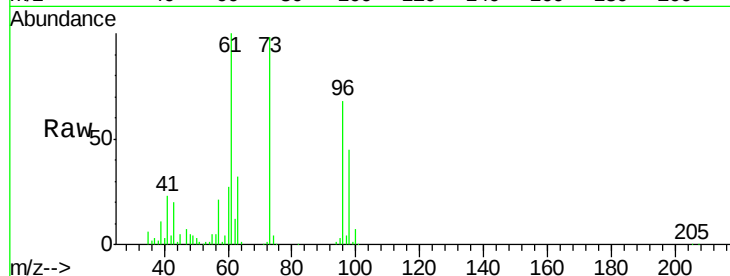




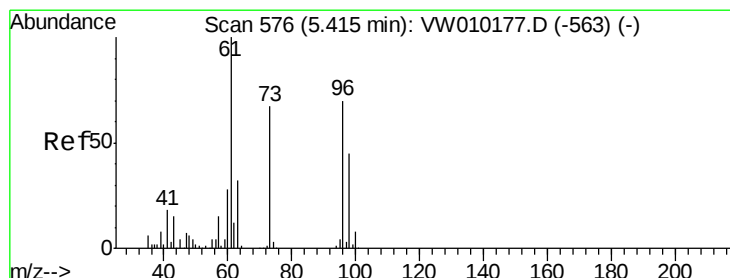
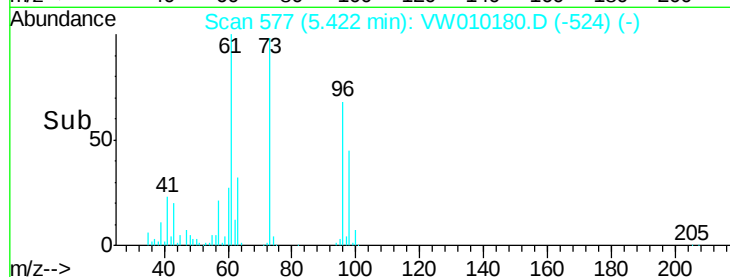
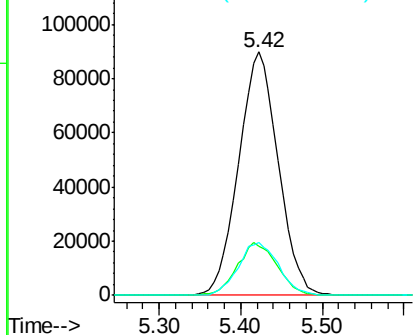
#17
Methvl tert-butvl Ether
Concen: 27.430 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW010180.D
Acq: 29 Apr 2019 14:11

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
73	100		
43	21.8	17.5	26.3
57	22.2	17.8	26.6

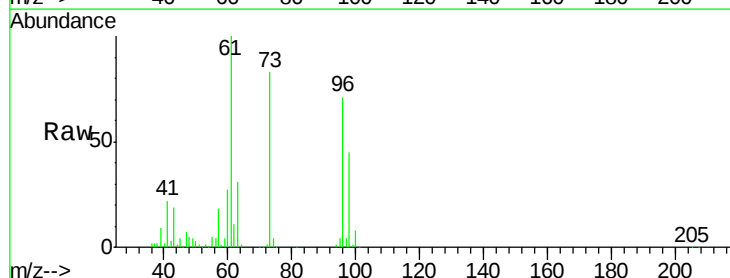


Abundance Ion 73.00 (72.70 to 73.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 57.00 (56.70 to 57.70): VW

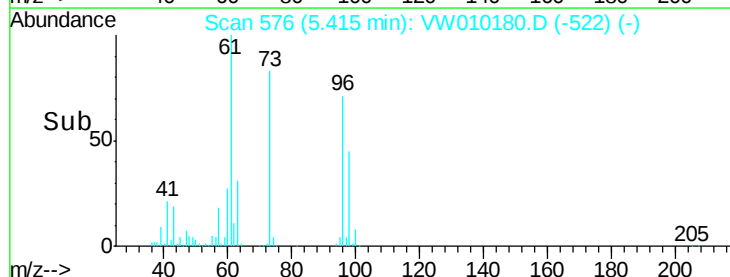
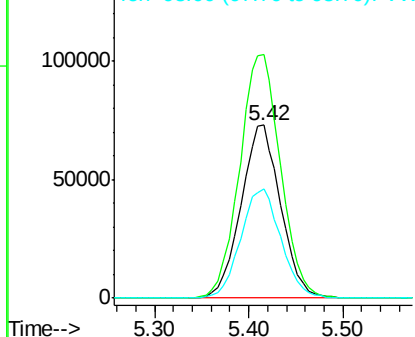


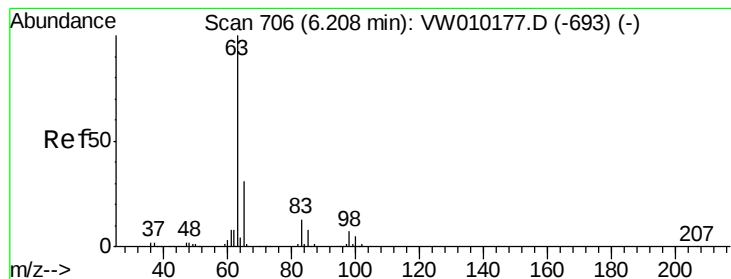
#18
trans-1,2-Dichloroethene
Concen: 23.887 ug/L
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW010180.D
Acq: 29 Apr 2019 14:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.7	99.4	184.6
98	63.1	44.8	83.2



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 98.00 (97.70 to 98.70): VW





#19

1,1-Dichloroethane

Concen: 24.271 ug/L

RT: 6.21 min Scan# 706

Delta R.T. 0.00 min

Lab File: VW010180.D

Acq: 29 Apr 2019 14:11

Instrument :

MSVOA_W

ClientSampleId :

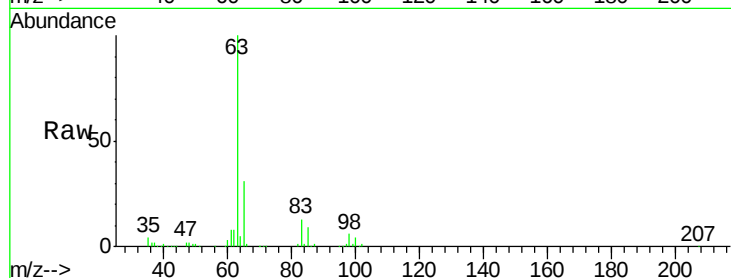
Tot Ion: 63 Resp: 403871

Ion Ratio Lower Upper

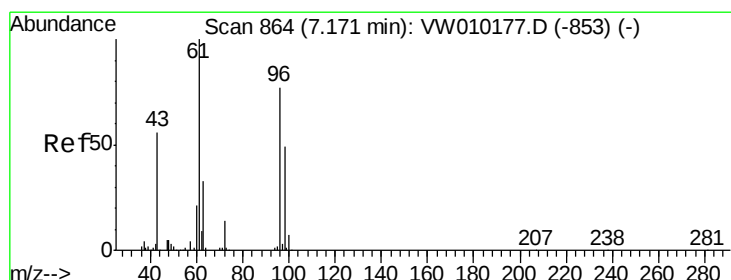
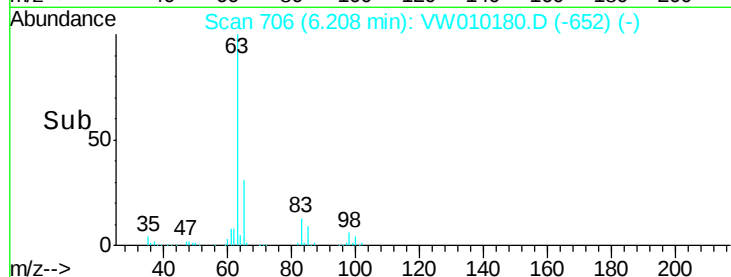
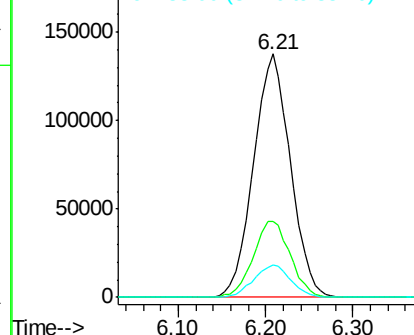
63 100

65 31.1 22.0 40.8

83 13.2 8.8 16.4



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 65.00 (64.70 to 65.70): VW
Ion 83.00 (82.70 to 83.70): VW



#21

2-Butanone

Concen: 53.987 ug/L

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010180.D

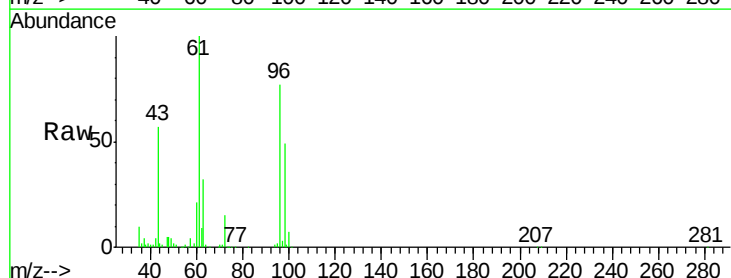
Acq: 29 Apr 2019 14:11

Tgt Ion: 43 Resp: 174949

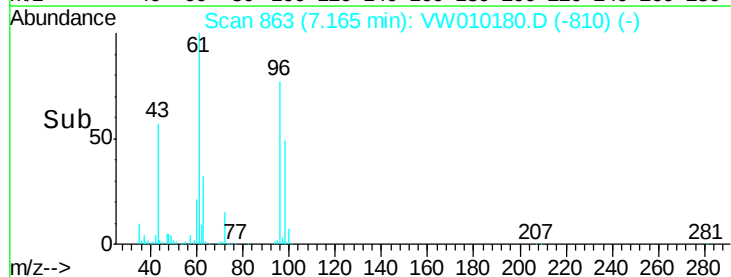
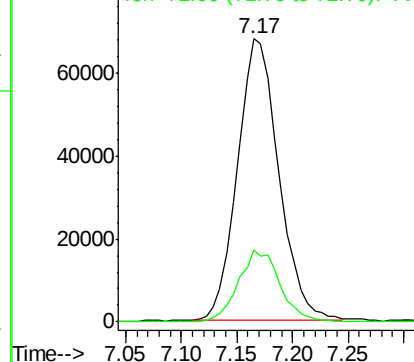
Ion Ratio Lower Upper

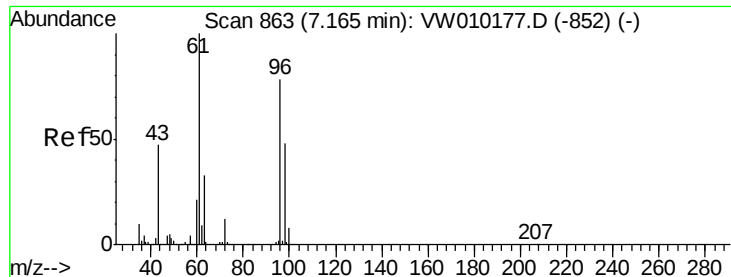
43 100

72 25.5 12.8 38.3



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



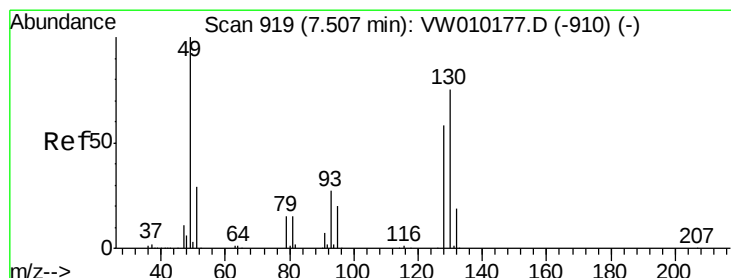
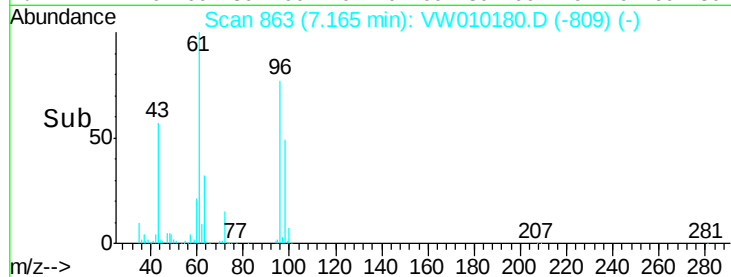
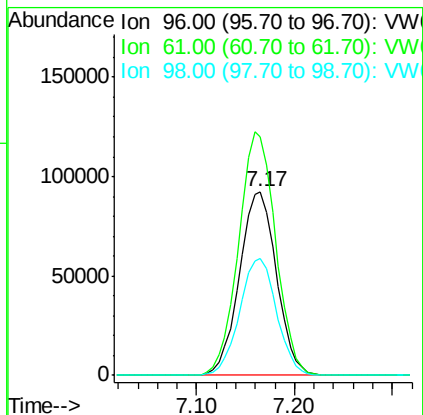
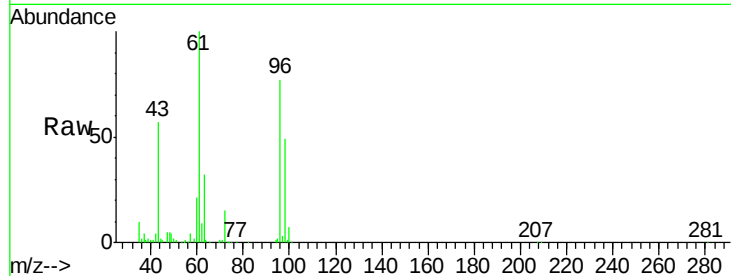


#22

cis-1,2-Dichloroethene
Concen: 25.062 ug/L
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW010180.D
Acq: 29 Apr 2019 14:11

Instrument :
MSVOA_W
ClientSampleId :

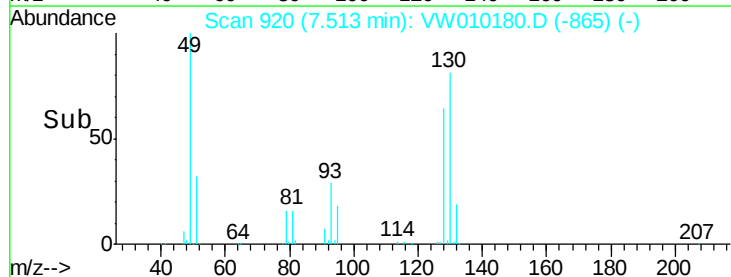
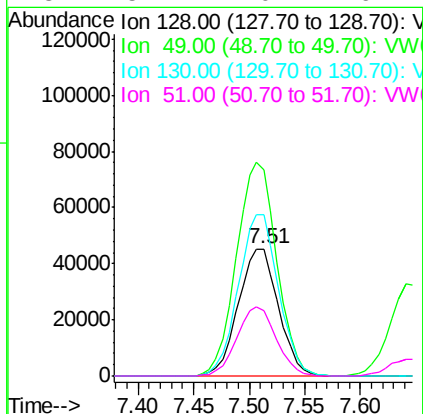
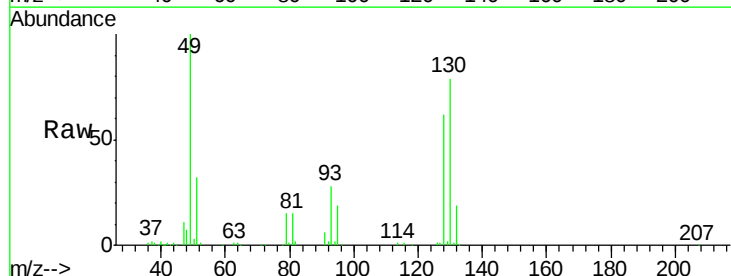
Tot Ion: 96 Resp: 242938
Ion Ratio Lower Upper
96 100
61 129.8 90.0 167.2
98 63.7 42.8 79.6

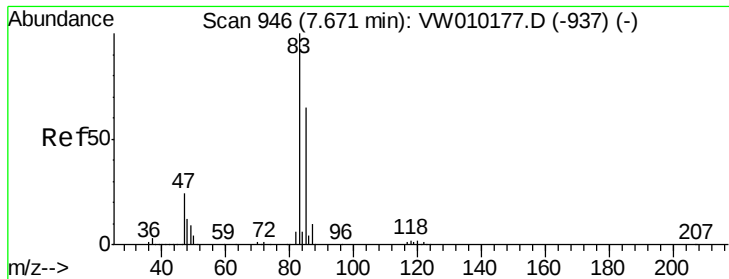


#23

Bromochloromethane
Concen: 25.449 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW010180.D
Acq: 29 Apr 2019 14:11

Tgt Ion: 128 Resp: 113420
Ion Ratio Lower Upper
128 100
49 162.1 121.7 225.9
130 127.4 91.1 169.1
51 51.2 40.7 61.1

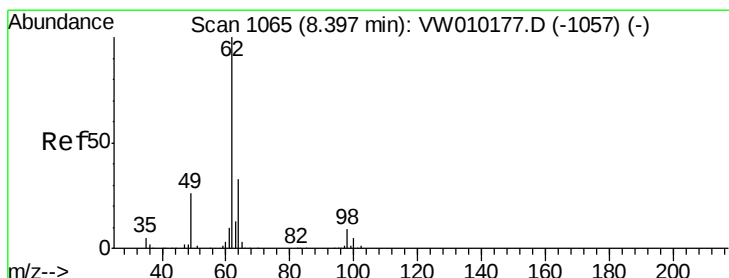
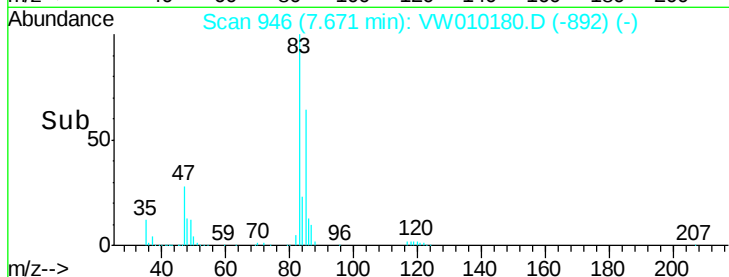
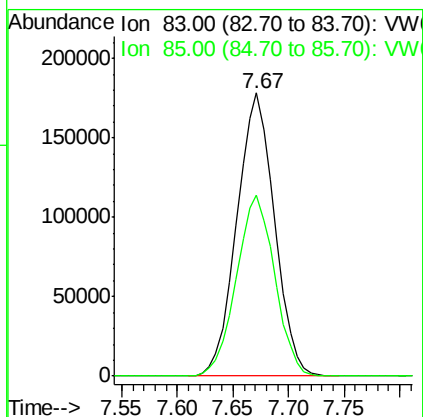
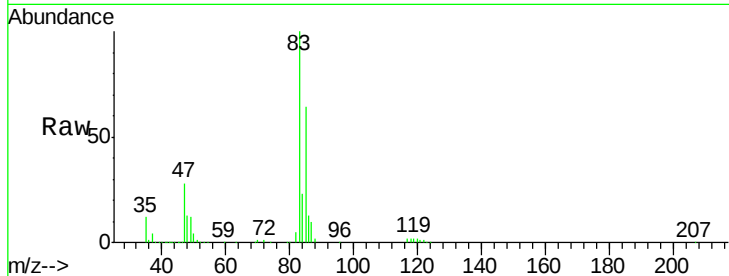




#25
Chloroform
Concen: 24.587 ug/L
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW010180.D
Acq: 29 Apr 2019 14:11

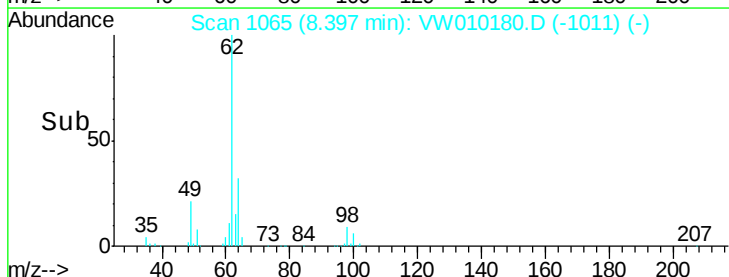
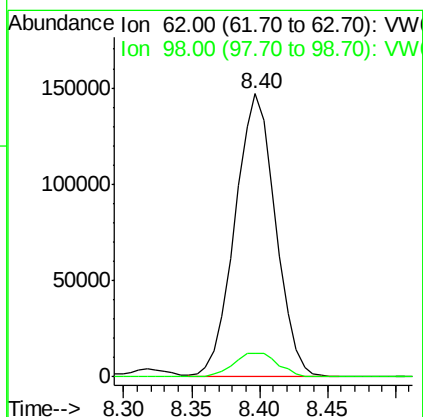
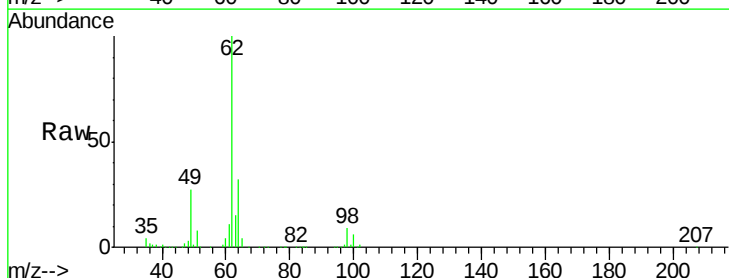
Instrument :
MSVOA_W
ClientSampleId :

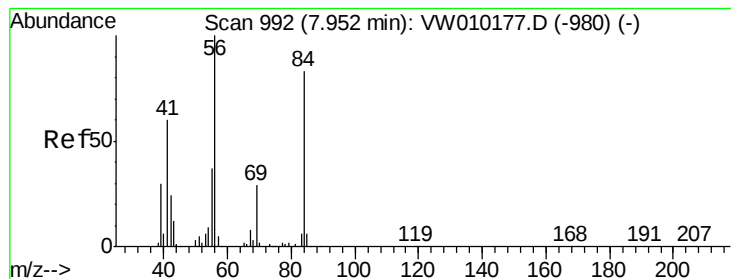
Tot Ion: 83 Resp: 419216
Ion Ratio Lower Upper
83 100
85 65.1 46.3 85.9



#27
1,2-Dichloroethane
Concen: 25.406 ug/L
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW010180.D
Acq: 29 Apr 2019 14:11

Tgt Ion: 62 Resp: 306571
Ion Ratio Lower Upper
62 100
98 8.5 7.0 10.6





#30

Cyclohexane

Concen: 24.274 ug/L

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010180.D

Acq: 29 Apr 2019 14:11

Instrument :

MSVOA_W

ClientSampleId :

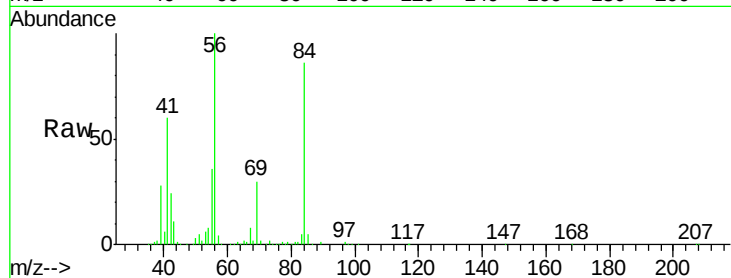
Tot Ion: 56 Resp: 360448

Ion Ratio Lower Upper

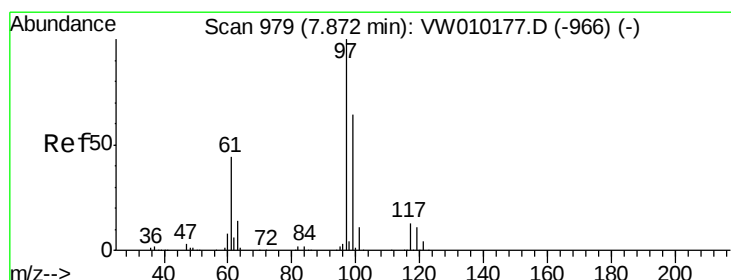
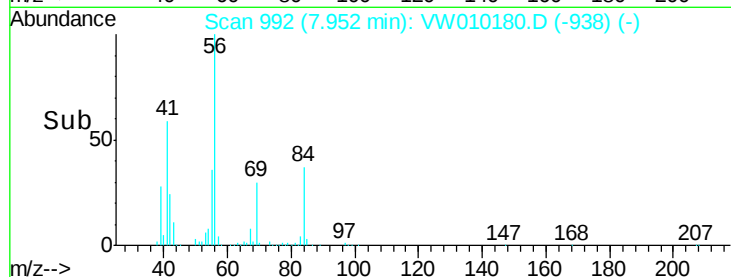
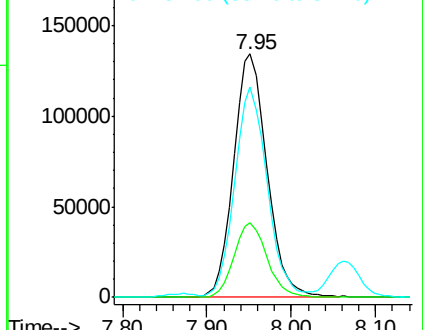
56 100

69 30.4 23.4 35.2

84 84.1 67.0 100.6



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#31

1,1,1-Trichloroethane

Concen: 23.681 ug/L

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW010180.D

Acq: 29 Apr 2019 14:11

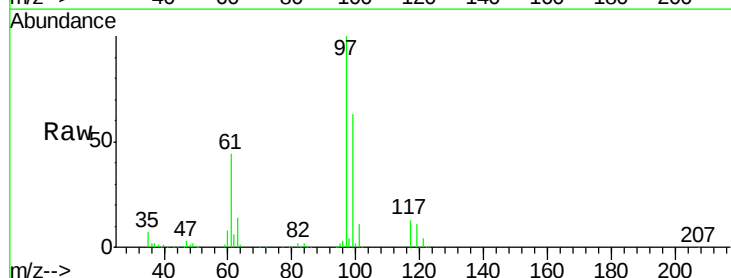
Tgt Ion: 97 Resp: 324463

Ion Ratio Lower Upper

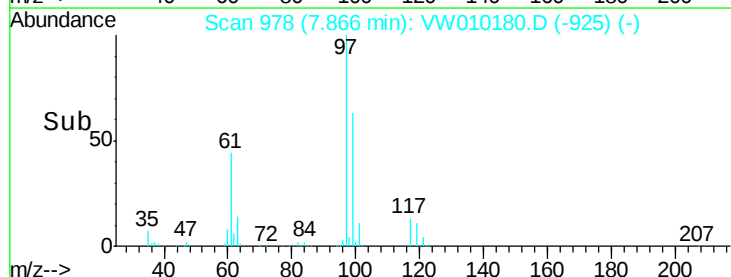
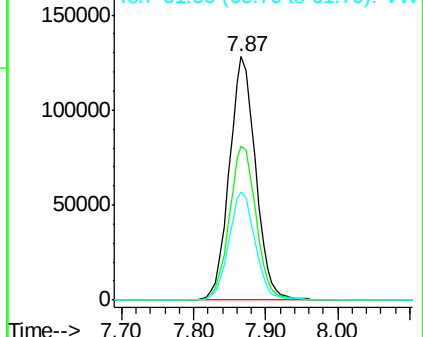
97 100

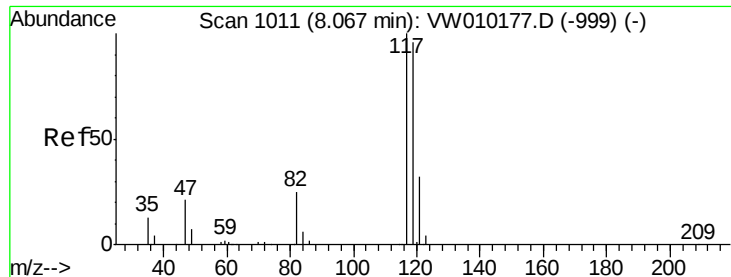
99 64.4 51.0 76.4

61 44.4 36.2 54.4



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.00 (60.70 to 61.70): VW





#32

Carbon tetrachloride

Concen: 23.727 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW010180.D

Acq: 29 Apr 2019 14:11

Instrument :

MSVOA_W

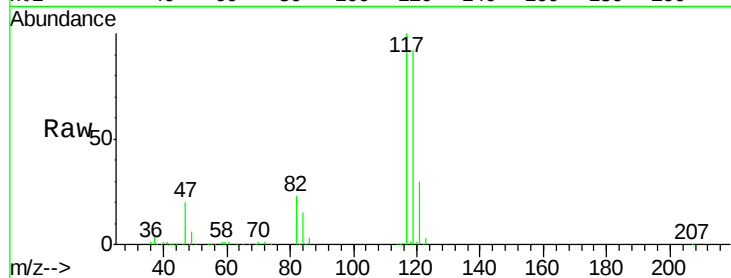
ClientSampleId :

Tot Ion:117 Resp: 322682

Ion Ratio Lower Upper

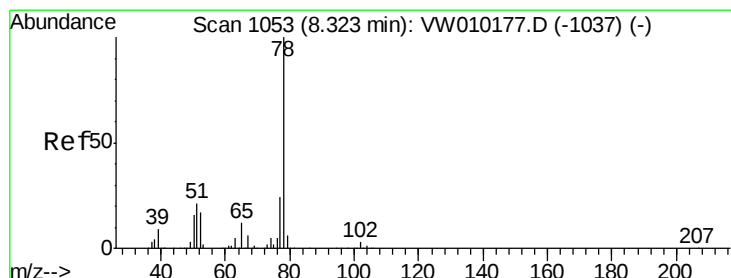
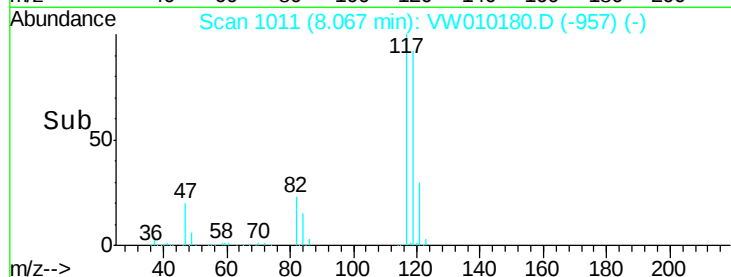
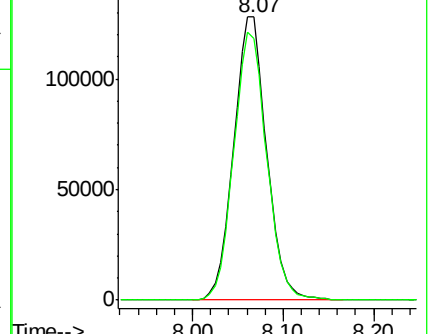
117 100

119 94.9 77.1 115.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.379 ug/L

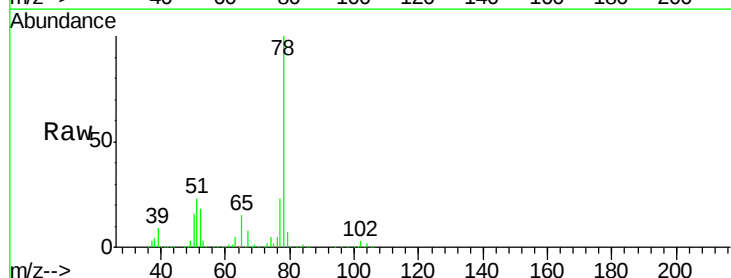
RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

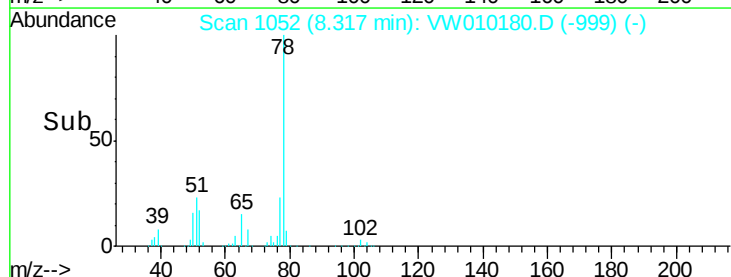
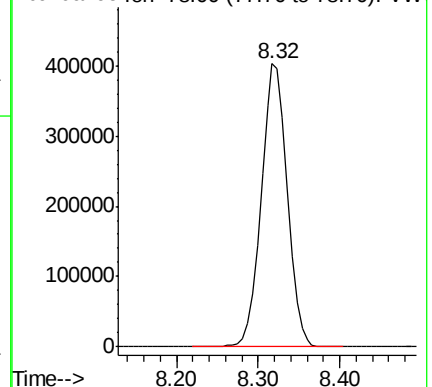
Lab File: VW010180.D

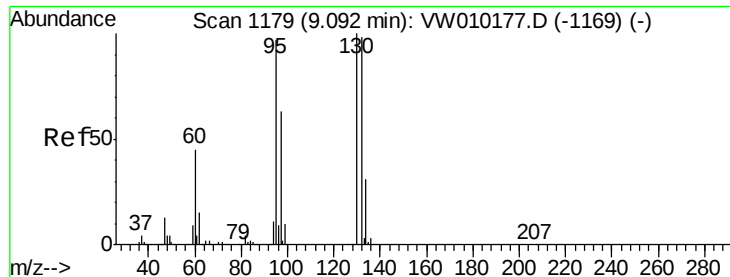
Acq: 29 Apr 2019 14:11

Tgt Ion: 78 Resp: 897153



Abundance Ion 78.00 (77.70 to 78.70): VW





#35

Trichloroethene

Concen: 23.813 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW010180.D

Acq: 29 Apr 2019 14:11

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 95 Resp: 233664

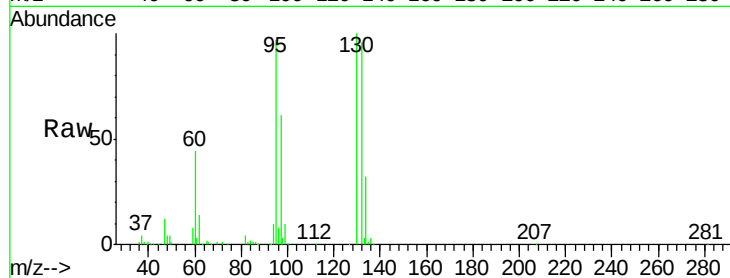
Ion Ratio Lower Upper

95 100

97 64.8 45.4 84.2

132 99.2 69.2 128.6

130 103.3 72.2 134.2



Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW

150000

100000

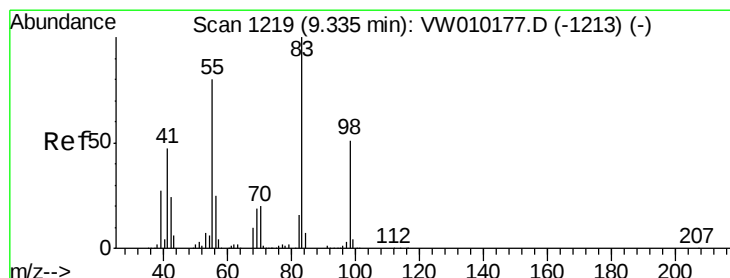
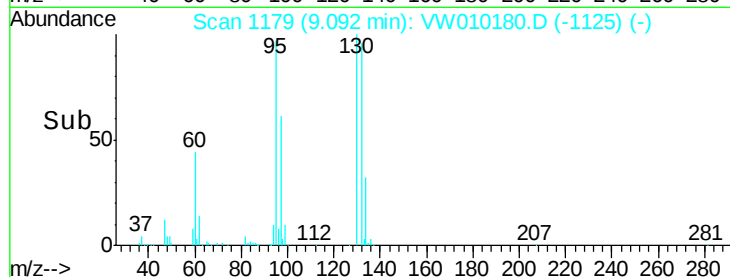
50000

0

9.09

9.00 9.05 9.10 9.15

Time-->



#36

Methylcyclohexane

Concen: 23.851 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW010180.D

Acq: 29 Apr 2019 14:11

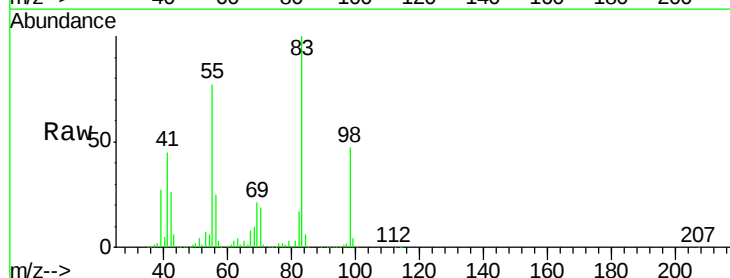
Tgt Ion: 83 Resp: 389466

Ion Ratio Lower Upper

83 100

55 80.2 64.5 96.7

98 49.3 39.4 59.2



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

250000

200000

150000

100000

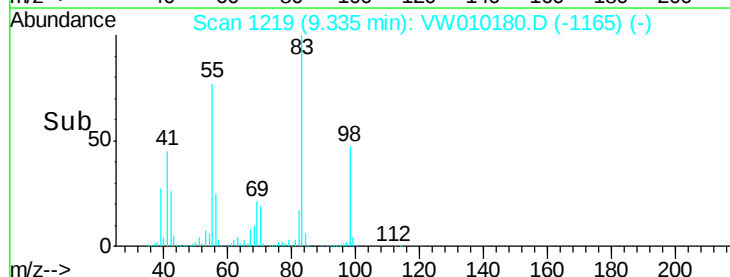
50000

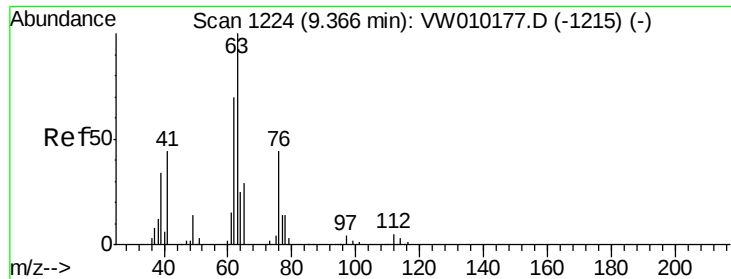
0

9.34

9.25 9.30 9.35 9.40 9.45

Time-->

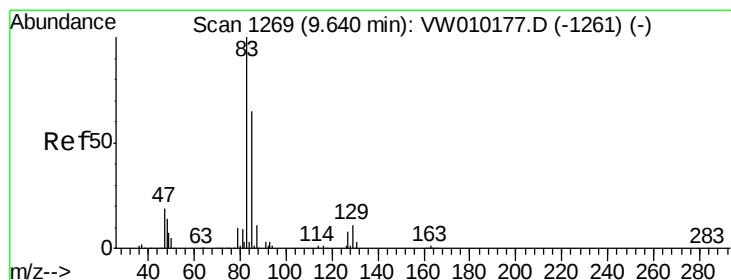
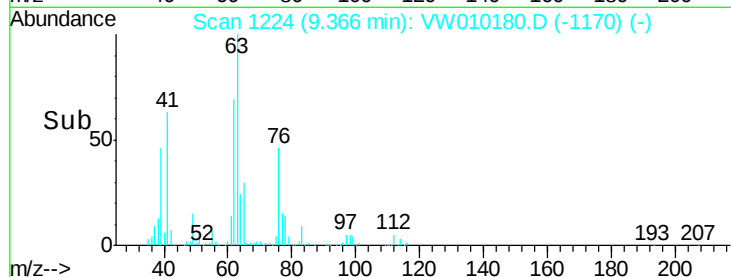
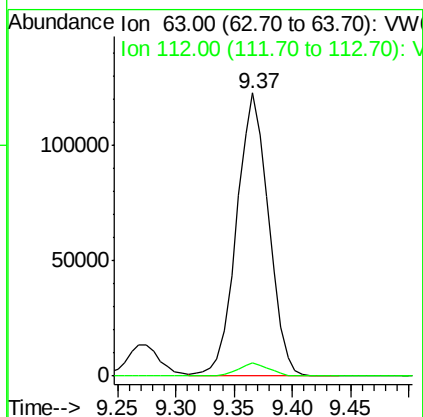
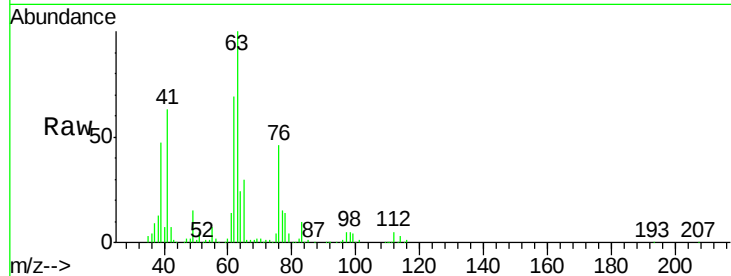




#40
 1,2-Dichloropropane
 Concen: 24.625 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW010180.D
 Acq: 29 Apr 2019 14:11

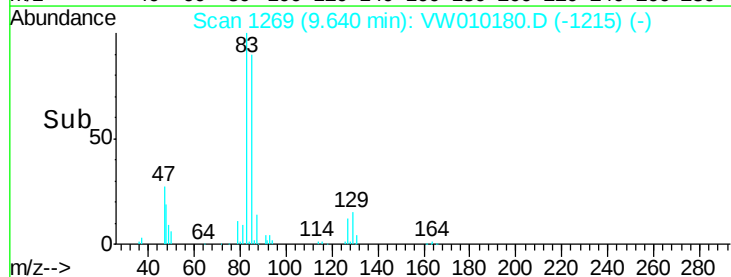
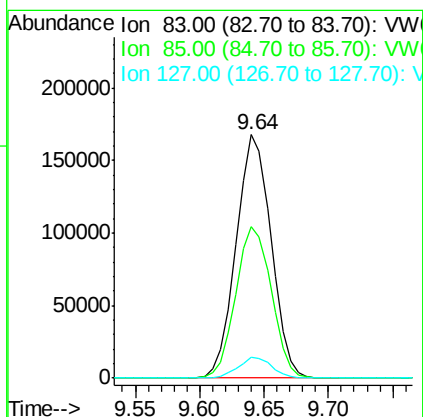
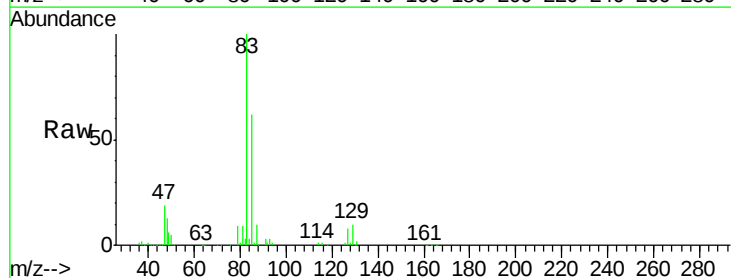
Instrument :
 MSVOA_W
 ClientSampled :

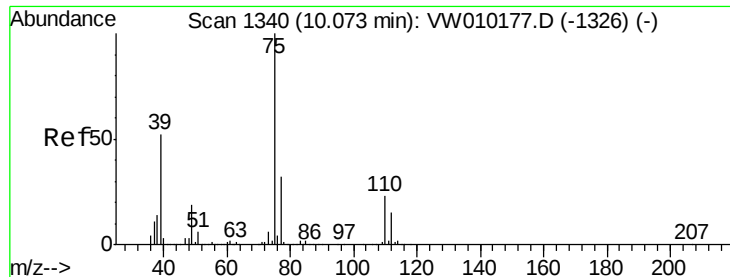
Tot Ion: 63 Resp: 235153
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.8 5.8



#41
 Bromodichloromethane
 Concen: 25.136 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW010180.D
 Acq: 29 Apr 2019 14:11

Tgt Ion: 83 Resp: 315572
 Ion Ratio Lower Upper
 83 100
 85 62.4 45.8 85.0
 127 8.4 6.6 10.0





#42

cis-1,3-Dichloropropene

Concen: 25.254 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010180.D

Acq: 29 Apr 2019 14:11

Instrument :

MSVOA_W

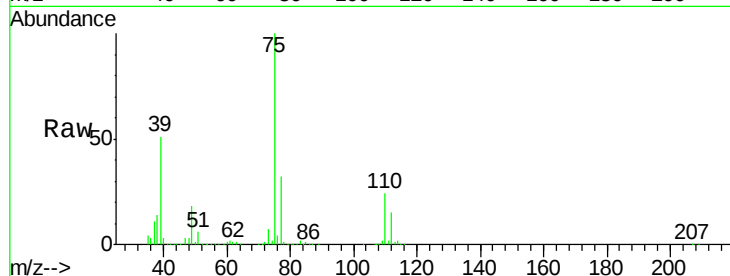
ClientSampled :

Tot Ion: 75 Resp: 375156

Ion Ratio Lower Upper

75 100

77 31.7 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

200000

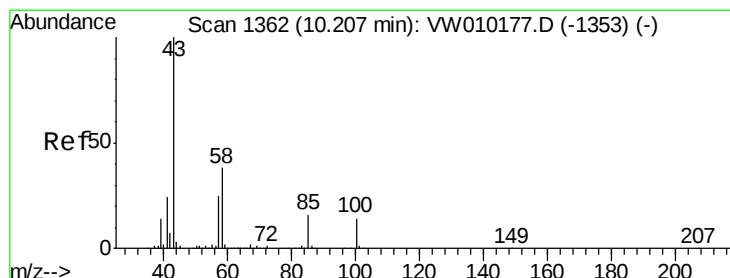
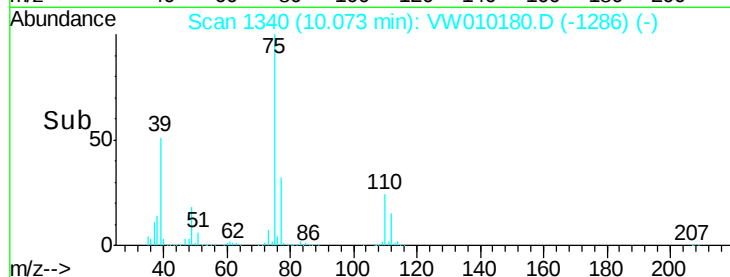
150000

100000

50000

0

Time-->



#43

4-Methyl-2-pentanone

Concen: 56.718 ug/L

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW010180.D

Acq: 29 Apr 2019 14:11

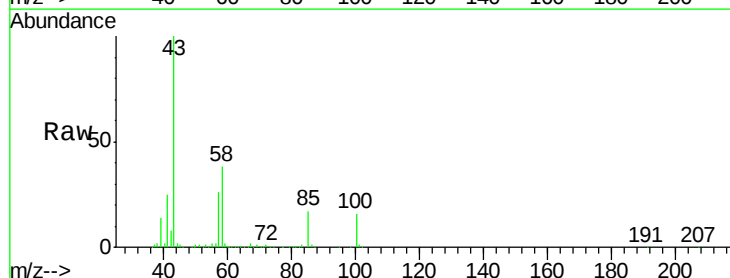
Tgt Ion: 43 Resp: 381730

Ion Ratio Lower Upper

43 100

58 37.6 30.3 45.5

100 15.3 11.9 17.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.21

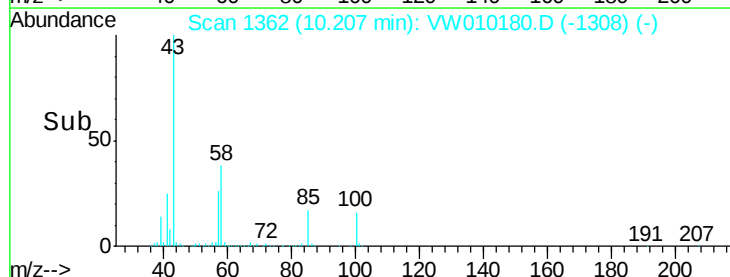
300000

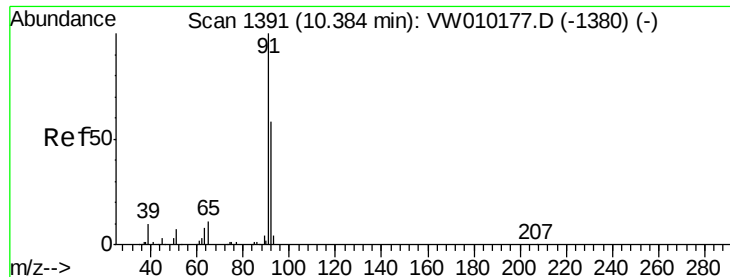
200000

100000

0

Time-->





#44

Toluene

Concen: 24.712 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW010180.D

Acq: 29 Apr 2019 14:11

Instrument :

MSVOA_W

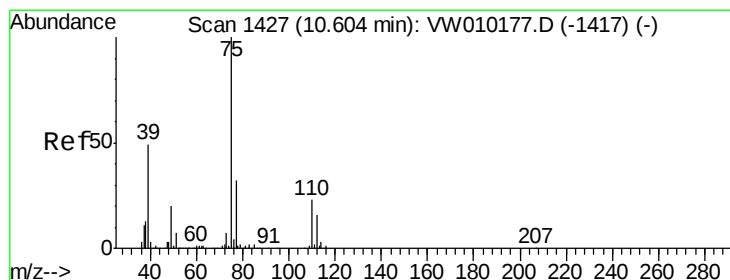
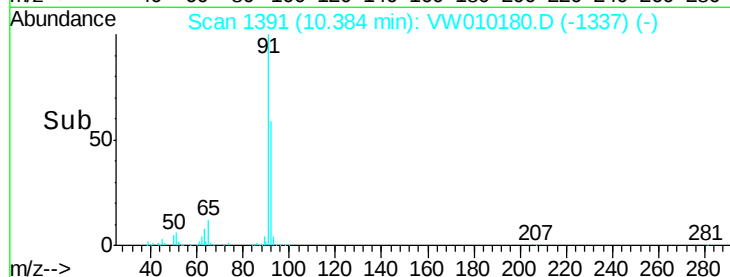
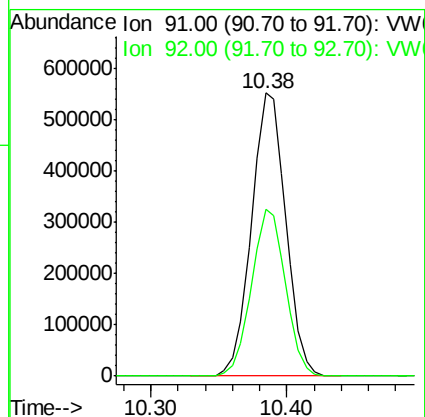
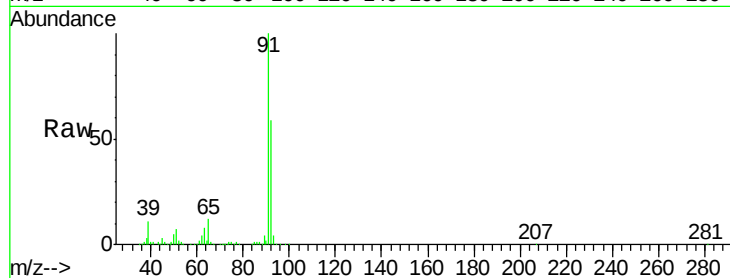
ClientSampled :

Tot Ion: 91 Resp: 973306

Ion Ratio Lower Upper

91 100

92 58.9 40.4 75.0



#45

trans-1,3-Dichloropropene

Concen: 25.624 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW010180.D

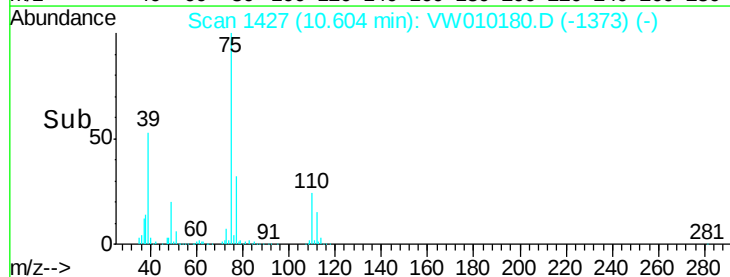
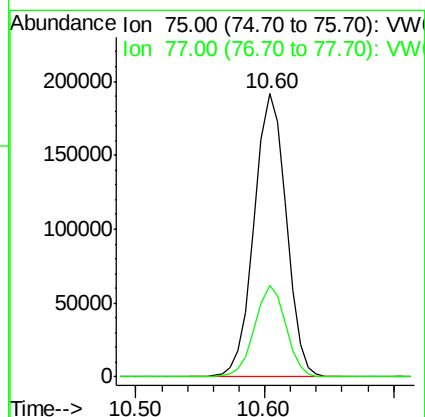
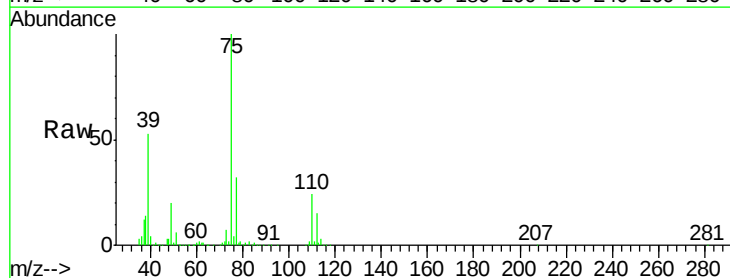
Acq: 29 Apr 2019 14:11

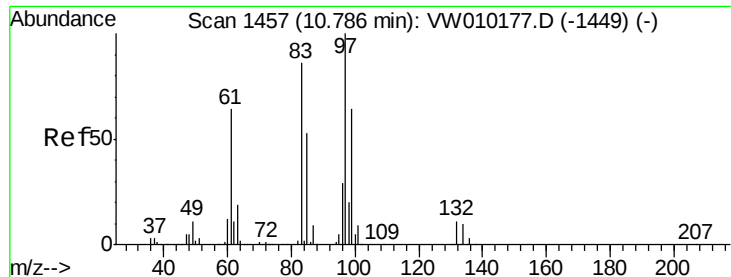
Tgt Ion: 75 Resp: 331149

Ion Ratio Lower Upper

75 100

77 32.5 22.4 41.6





#46

1,1,2-Trichloroethane

Concen: 25.860 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW010180.D

Acq: 29 Apr 2019 14:11

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 184569

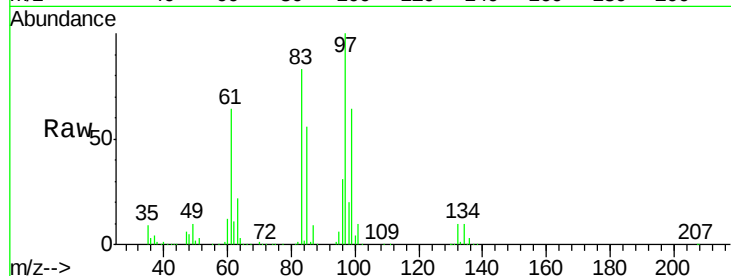
Ion Ratio Lower Upper

97 100

83 83.5 60.0 111.4

85 56.3 36.8 68.4

99 64.5 44.4 82.5

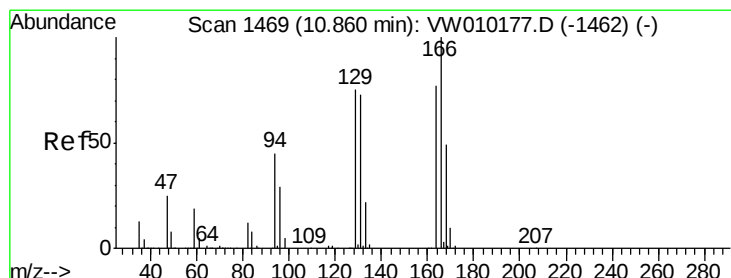
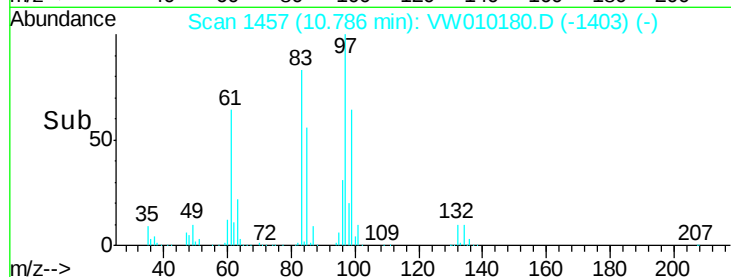
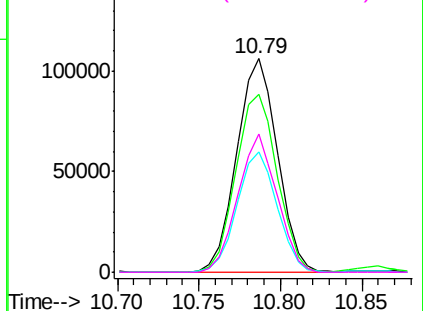


Abundance Ion 97.00 (96.70 to 97.70): VW

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: 23.548 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW010180.D

Acq: 29 Apr 2019 14:11

Tgt Ion:164 Resp: 191736

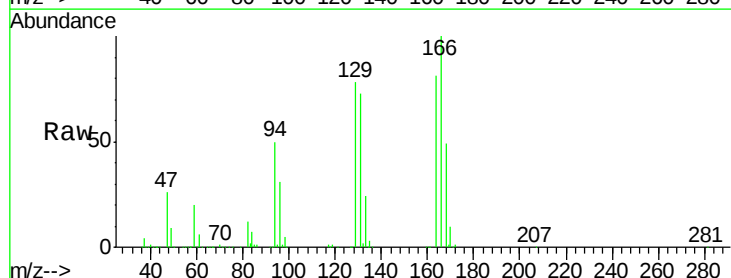
Ion Ratio Lower Upper

164 100

129 96.1 68.3 126.9

131 90.7 66.8 124.0

166 123.9 91.1 169.3

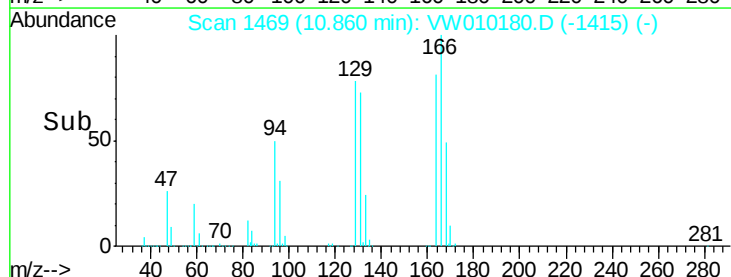
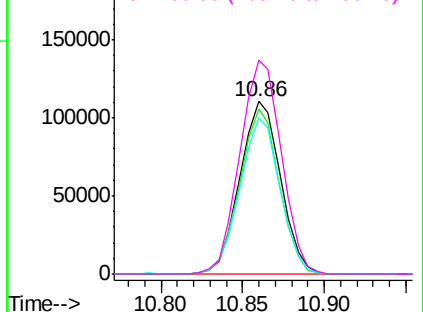


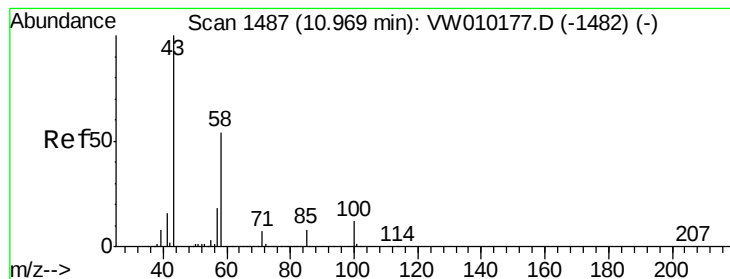
Abundance Ion 164.00 (163.70 to 164.70): V

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: 58.092 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW010180.D

Acq: 29 Apr 2019 14:11

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 43 Resp: 279498

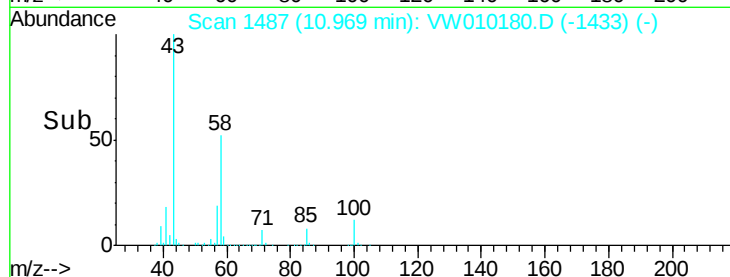
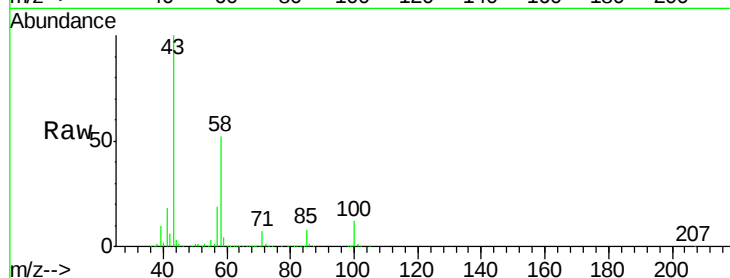
Ion Ratio Lower Upper

43 100

58 52.5 41.4 62.2

57 19.1 14.8 22.2

100 11.9 9.3 13.9

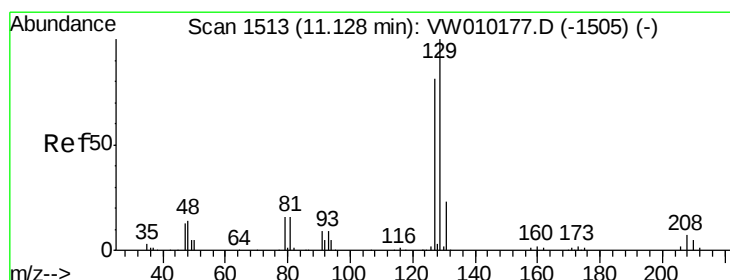
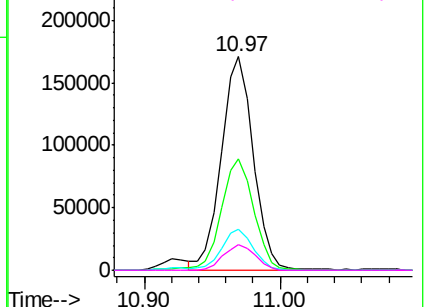


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#50

Dibromochloromethane

Concen: 25.535 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW010180.D

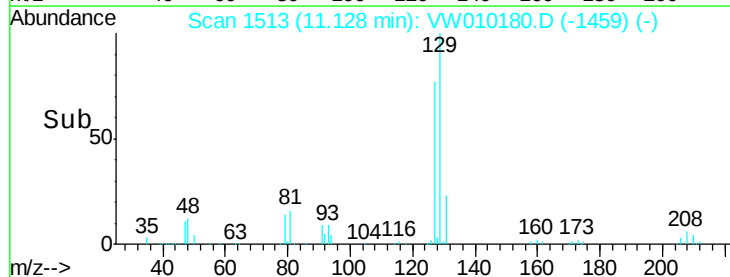
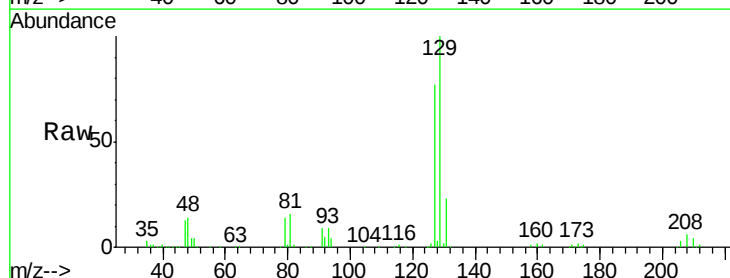
Acq: 29 Apr 2019 14:11

Tgt Ion: 129 Resp: 226311

Ion Ratio Lower Upper

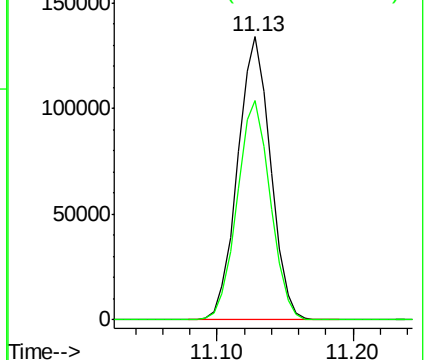
129 100

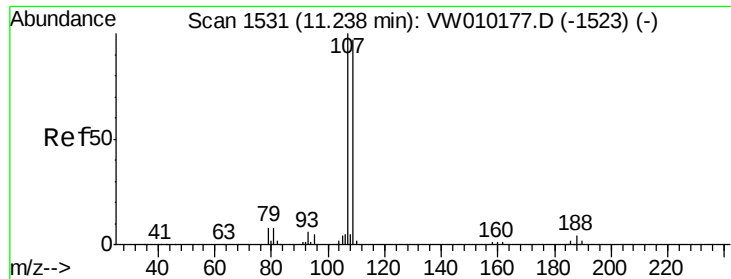
127 77.3 56.4 104.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

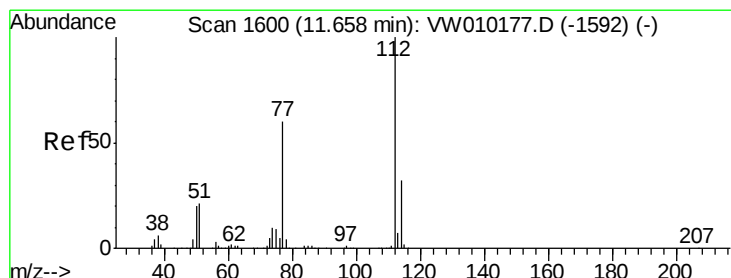
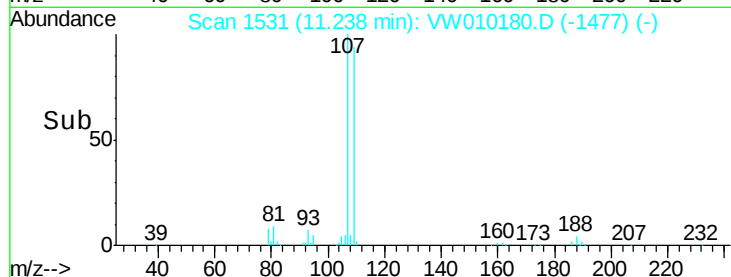
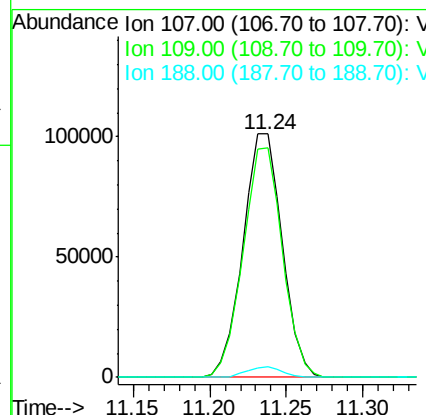
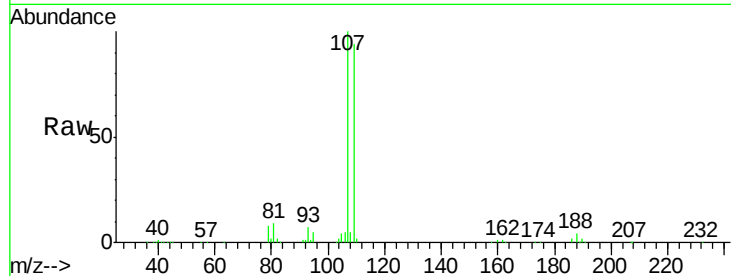




#51
 1,2-Dibromoethane
 Concen: 25.888 ug/L
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW010180.D
 Acq: 29 Apr 2019 14:11

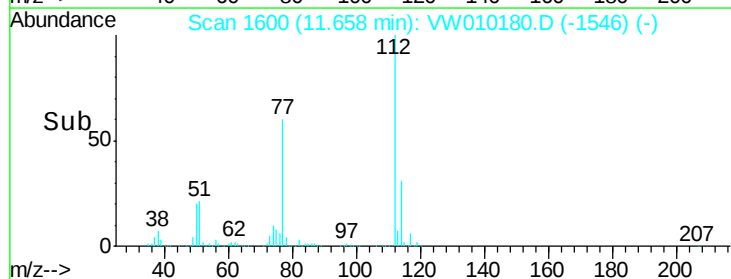
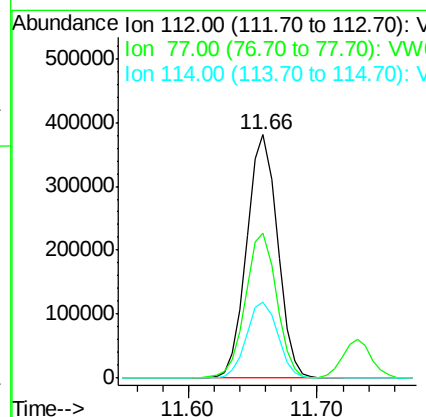
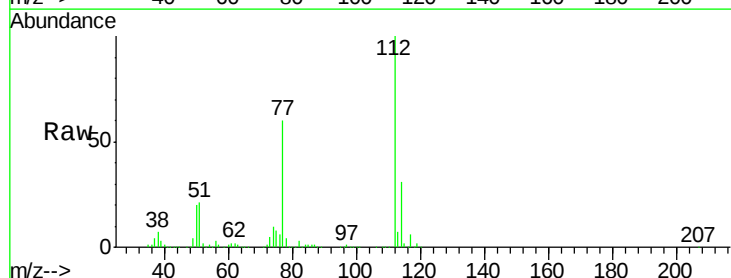
Instrument :
 MSVOA_W
 ClientSampled :

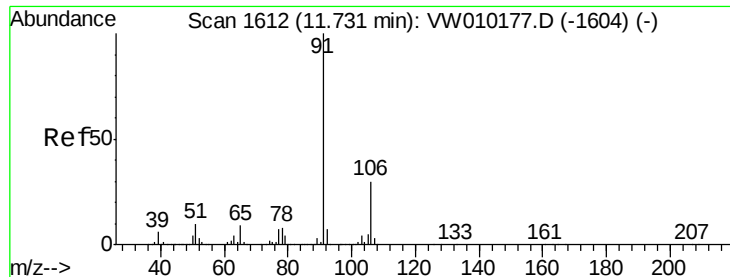
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	68.3	126.9
188	4.4	3.3	4.9



#52
 Chlorobenzene
 Concen: 24.342 ug/L
 RT: 11.66 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VW010180.D
 Acq: 29 Apr 2019 14:11

Tgt Ion	Ratio	Lower	Upper
112	100		
77	59.7	48.2	72.2
114	31.4	22.2	41.2

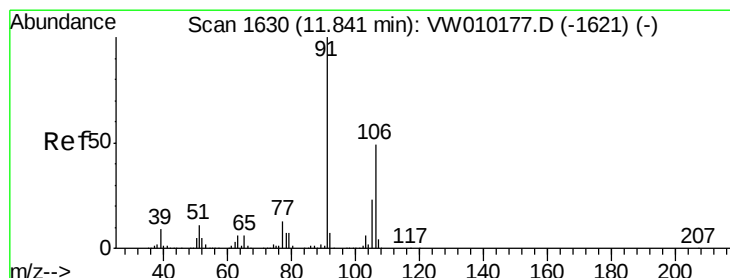
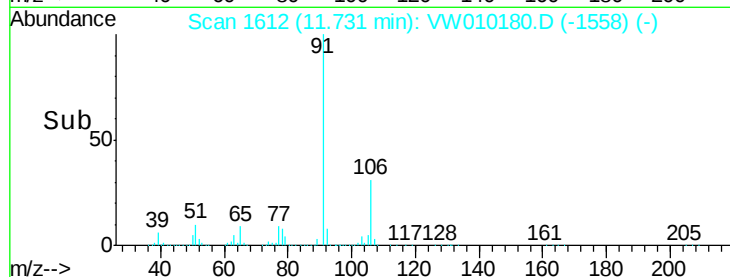
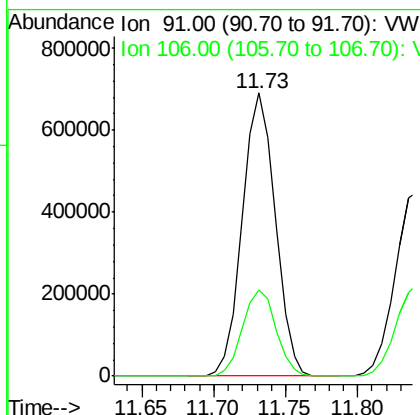
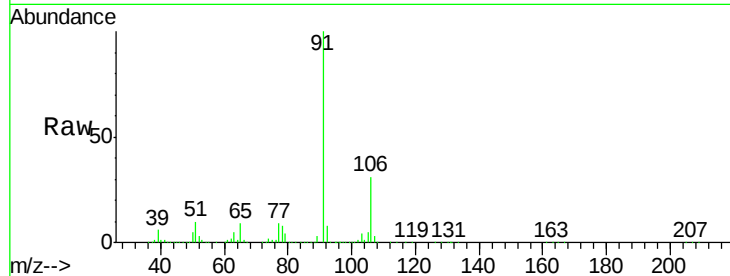




#53
Ethylbenzene
Concen: 24.585 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010180.D
Acq: 29 Apr 2019 14:11

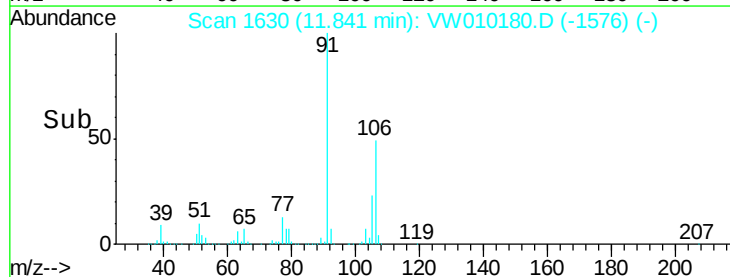
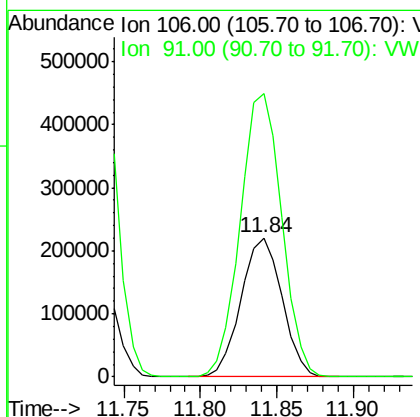
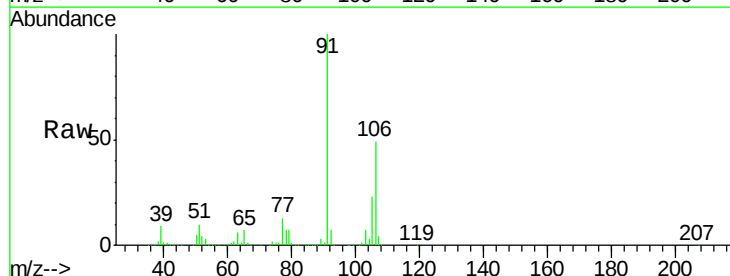
Instrument :
MSVOA_W
ClientSampleId :

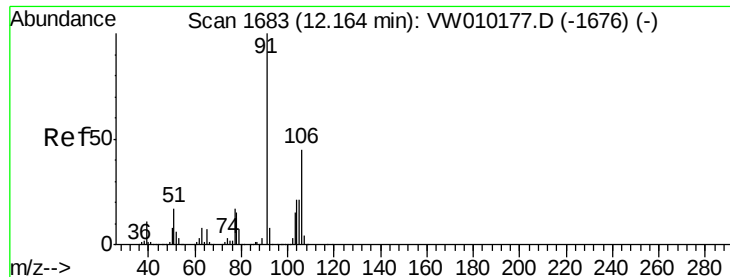
Tot Ion: 91 Resp: 1096309
Ion Ratio Lower Upper
91 100
106 30.5 21.3 39.6



#54
m,p-Xylene
Concen: 24.565 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW010180.D
Acq: 29 Apr 2019 14:11

Tgt Ion: 106 Resp: 412251
Ion Ratio Lower Upper
106 100
91 203.2 143.8 267.0





#55

o-xylene

Concen: 25.077 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VW010180.D

Acq: 29 Apr 2019 14:11

Instrument :

MSVOA_W

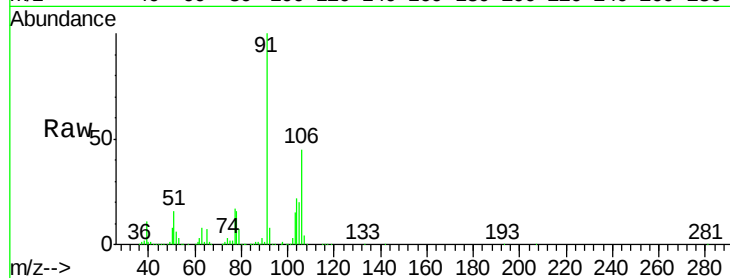
ClientSampled :

Tot Ion:106 Resp: 397820

Ion Ratio Lower Upper

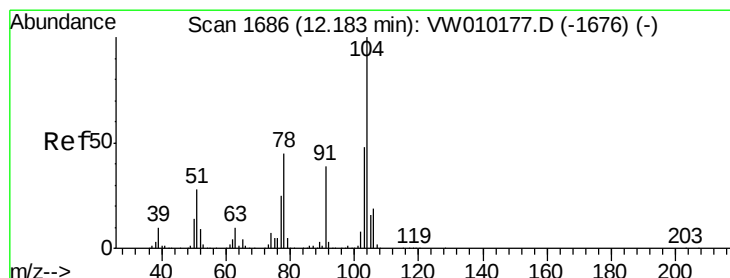
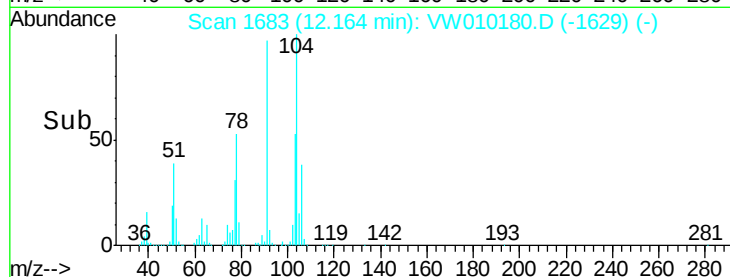
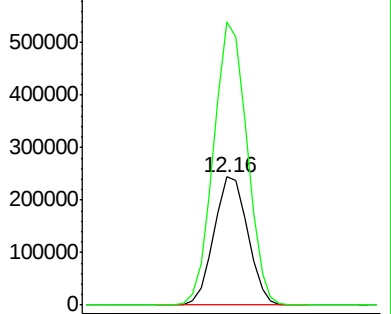
106 100

91 221.0 156.2 290.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 25.595 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VW010180.D

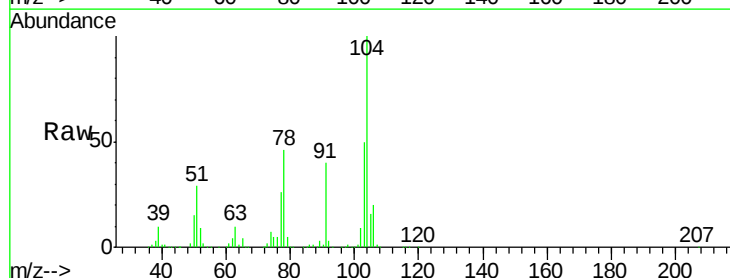
Acq: 29 Apr 2019 14:11

Tgt Ion:104 Resp: 703172

Ion Ratio Lower Upper

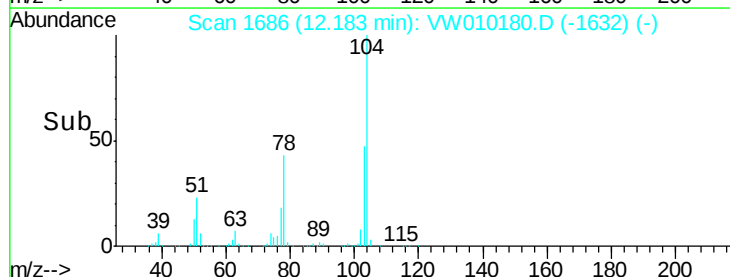
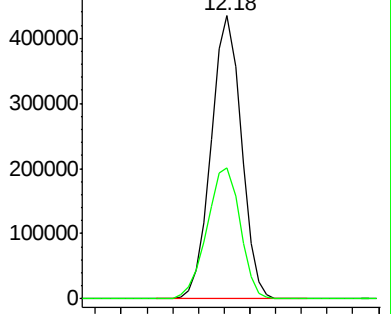
104 100

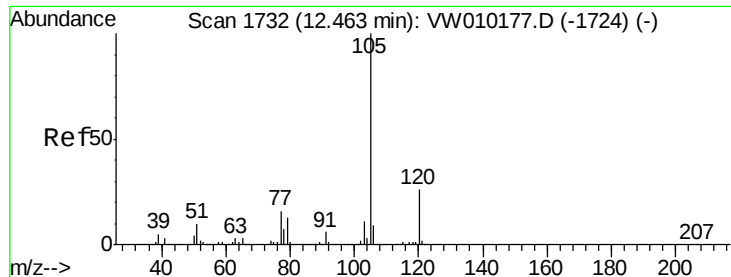
78 46.1 31.9 59.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 24.907 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW010180.D

Acq: 29 Apr 2019 14:11

Instrument :

MSVOA_W

ClientSampleId :

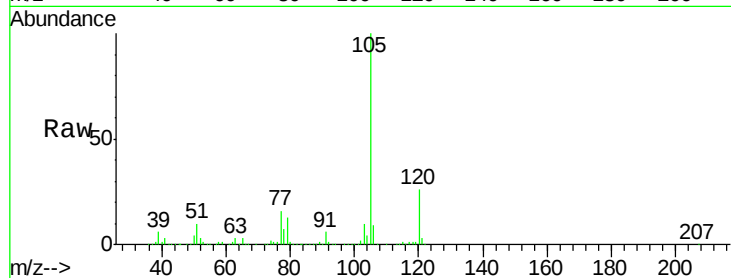
Tot Ion:105 Resp: 1075216

Ion Ratio Lower Upper

105 100

120 26.3 20.9 31.3

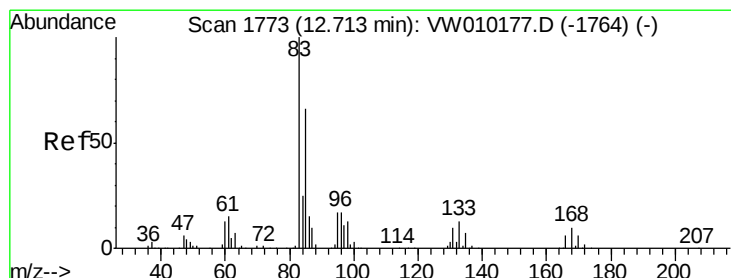
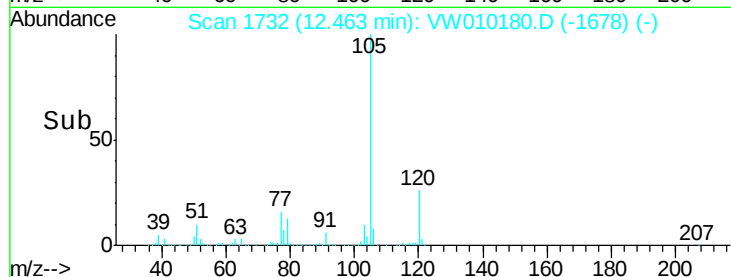
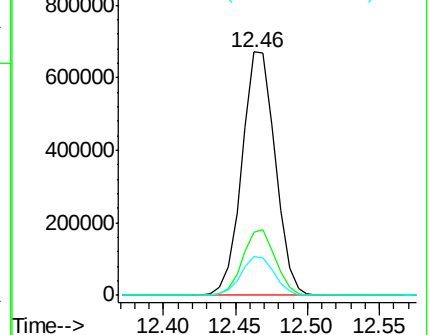
77 15.9 12.6 19.0



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: 26.227 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010180.D

Acq: 29 Apr 2019 14:11

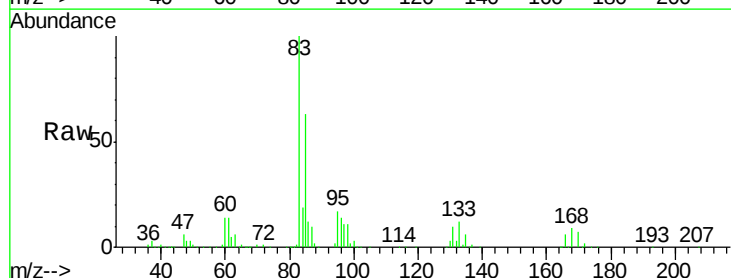
Tgt Ion: 83 Resp: 233122

Ion Ratio Lower Upper

83 100

85 62.8 46.5 86.5

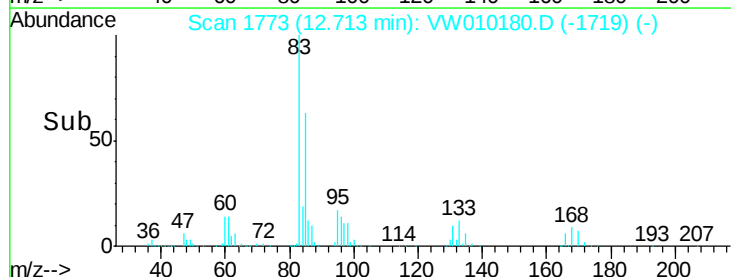
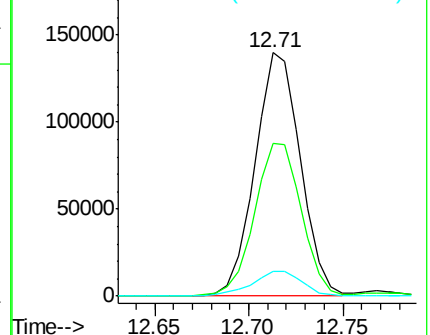
131 10.3 8.0 12.0

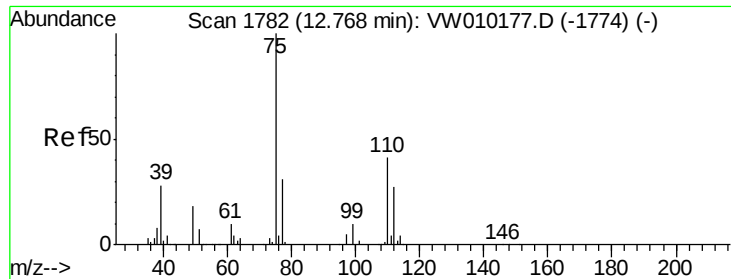


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V

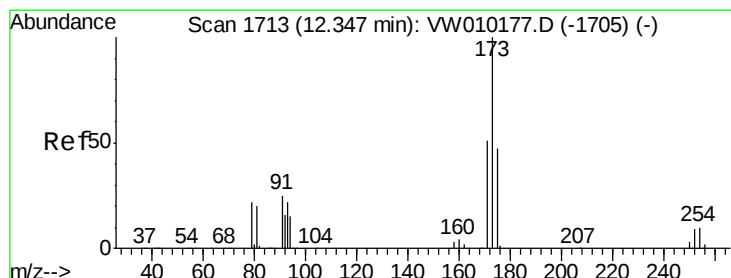
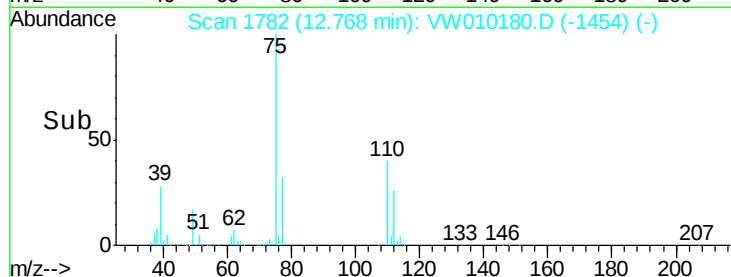
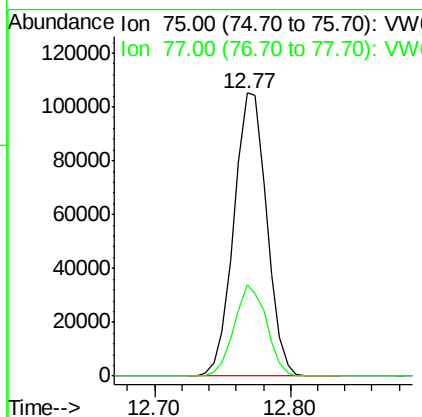
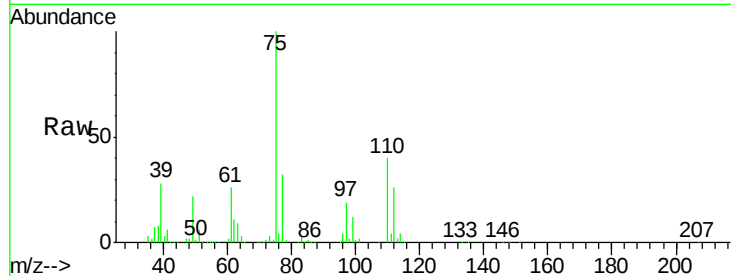




#59
 1,2,3-Trichloropropane
 Concen: 26.732 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW010180.D
 Acq: 29 Apr 2019 14:11

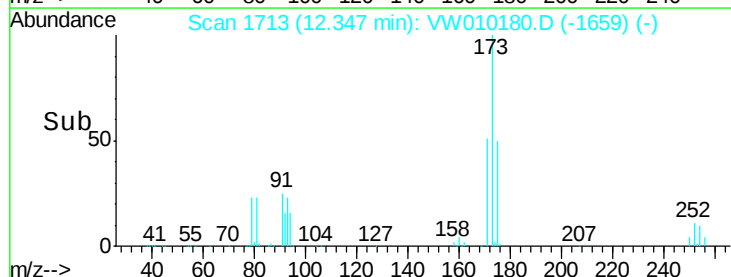
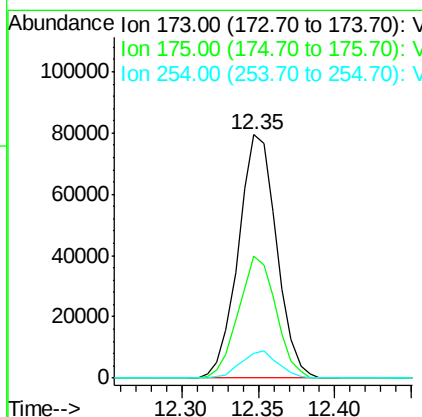
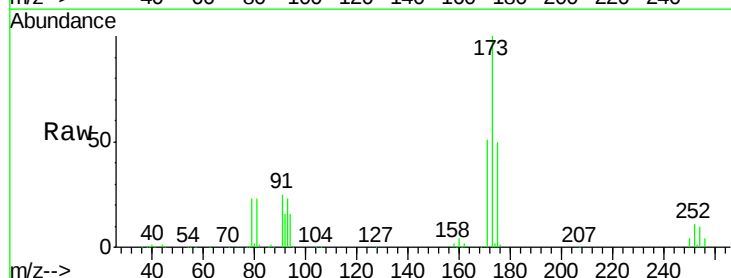
Instrument :
 MSVOA_W
 ClientSampleId :

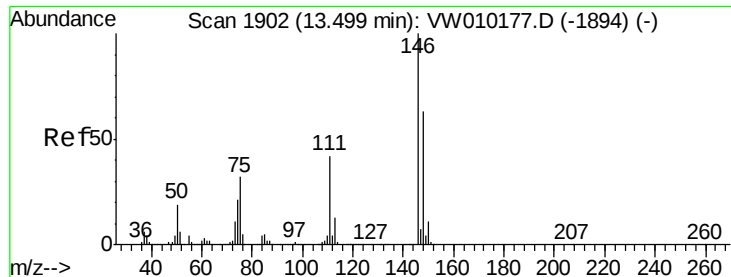
Tot Ion: 75 Resp: 177131
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.0 37.4



#62
 Bromoform
 Concen: 25.748 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW010180.D
 Acq: 29 Apr 2019 14:11

Tgt Ion: 173 Resp: 137442
 Ion Ratio Lower Upper
 173 100
 175 49.4 38.6 57.8
 254 10.8 8.0 12.0

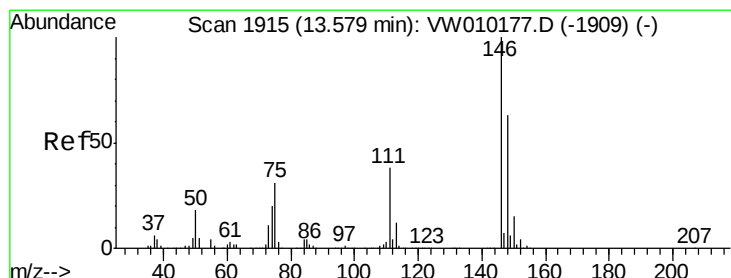
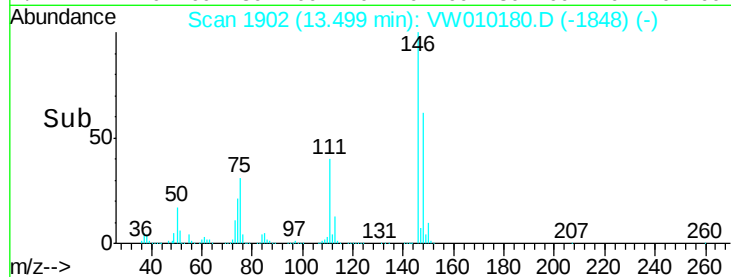
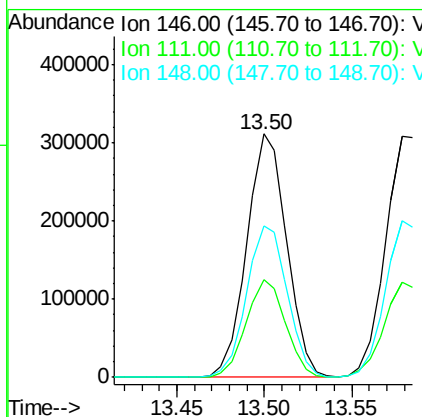
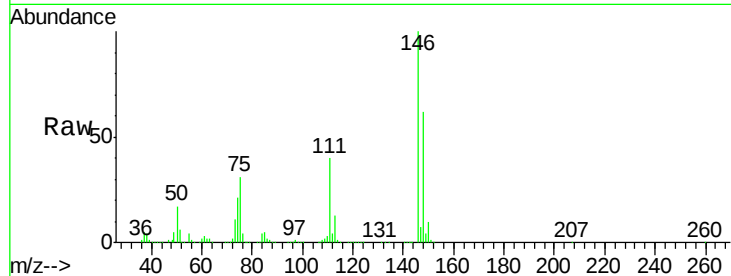




#63
 1,3-Dichlorobenzene
 Concen: 24.602 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010180.D
 Acq: 29 Apr 2019 14:11

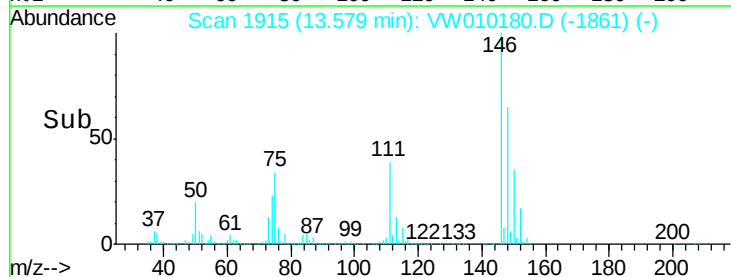
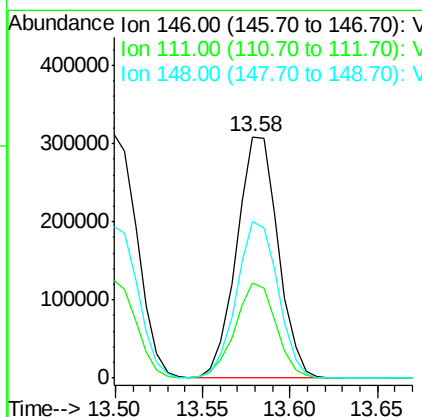
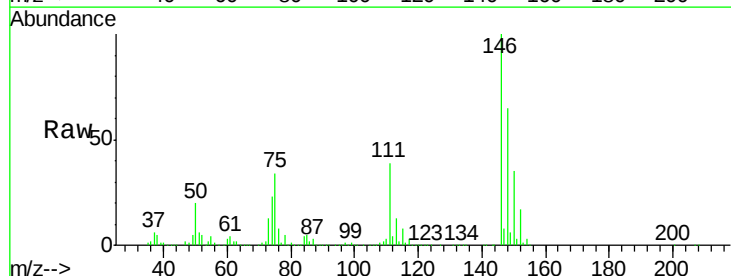
Instrument :
 MSVOA_W
 ClientSampleId :

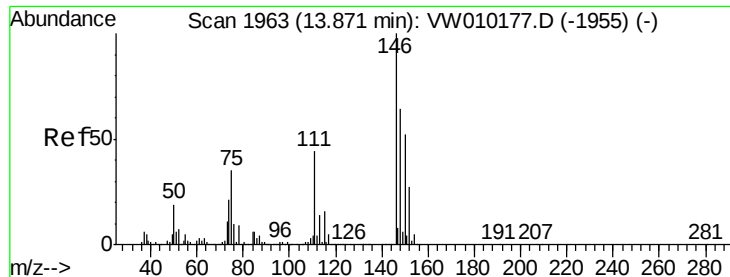
Tot Ion:146 Resp: 493591
 Ion Ratio Lower Upper
 146 100
 111 40.1 29.3 54.5
 148 62.3 44.3 82.3



#64
 1,4-Dichlorobenzene
 Concen: 24.135 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW010180.D
 Acq: 29 Apr 2019 14:11

Tgt Ion:146 Resp: 509081
 Ion Ratio Lower Upper
 146 100
 111 39.3 26.5 49.1
 148 65.1 43.9 81.5

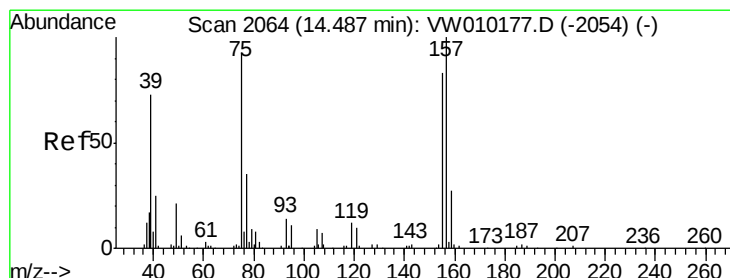
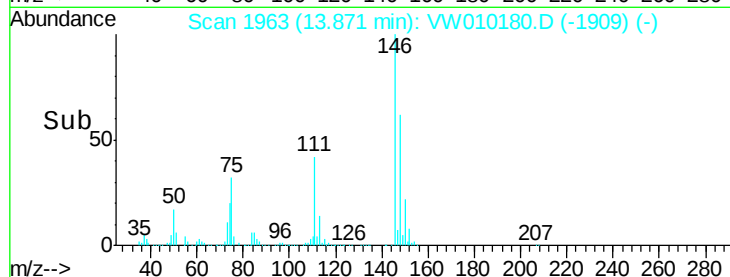
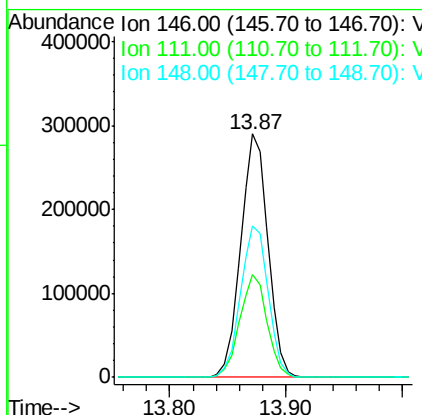
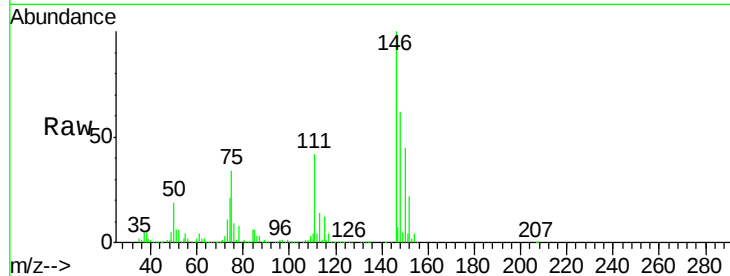




#65
 1,2-Dichlorobenzene
 Concen: 24.996 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010180.D
 Acq: 29 Apr 2019 14:11

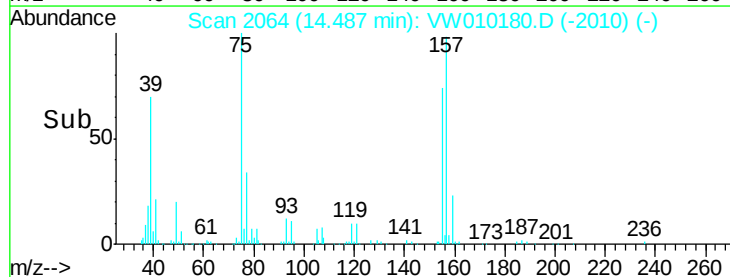
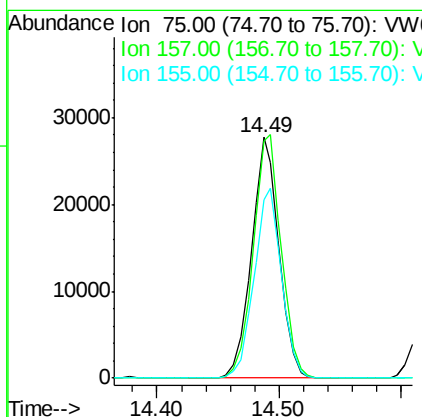
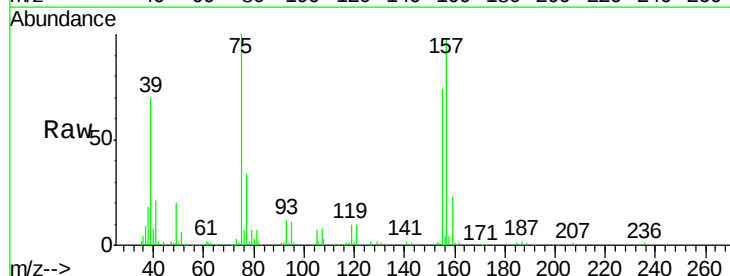
Instrument :
 MSVOA_W
 ClientSampleId :

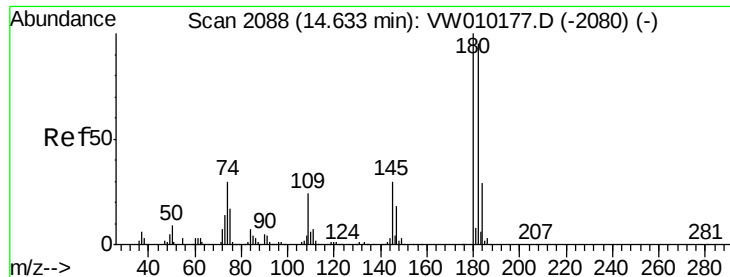
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	35.0	52.4
148	62.3	51.2	76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 27.507 ug/L
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010180.D
 Acq: 29 Apr 2019 14:11

Tgt Ion	Ratio	Lower	Upper
75	100		
157	98.4	85.7	128.5
155	74.3	70.8	106.2

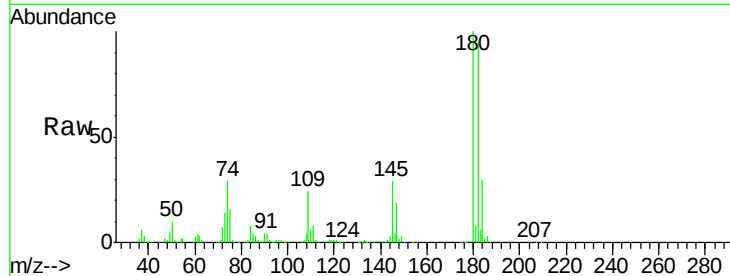




#67
 1,3,5-Trichlorobenzene
 Concen: 24.674 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW010180.D
 Acq: 29 Apr 2019 14:11

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.6	75.7	113.5
184	30.2	23.8	35.6
145	29.8	23.8	35.8

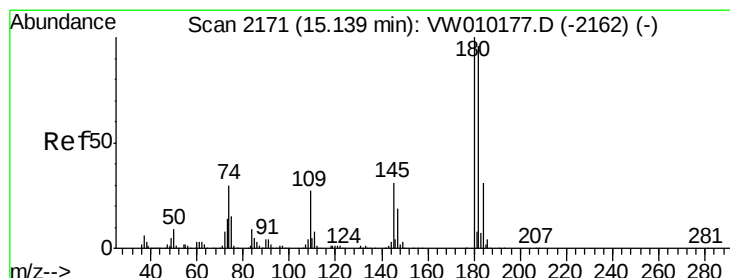
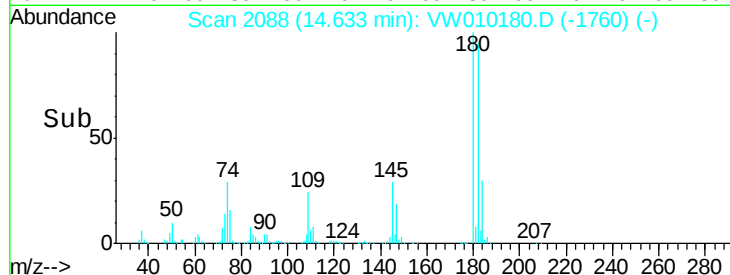
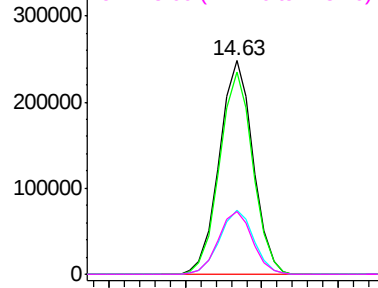


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

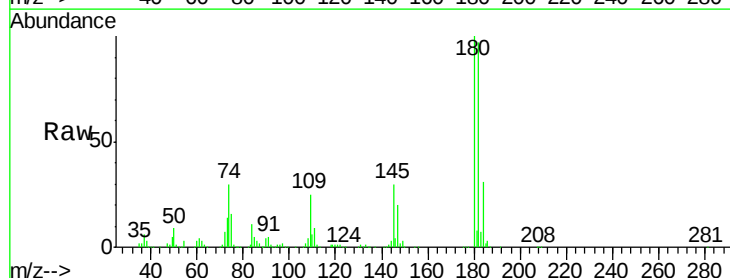
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 25.117 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010180.D
 Acq: 29 Apr 2019 14:11

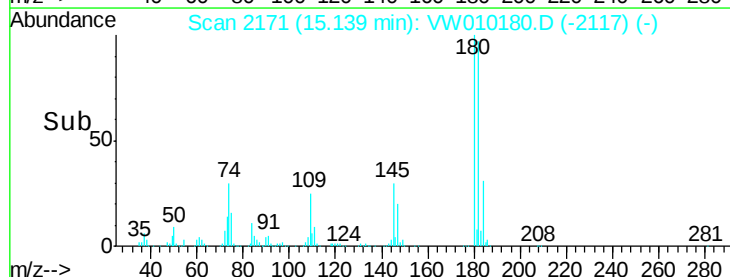
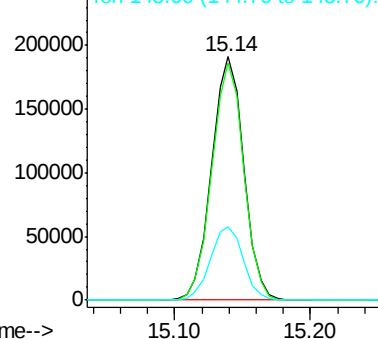
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.2	114.4
145	30.9	24.5	36.7

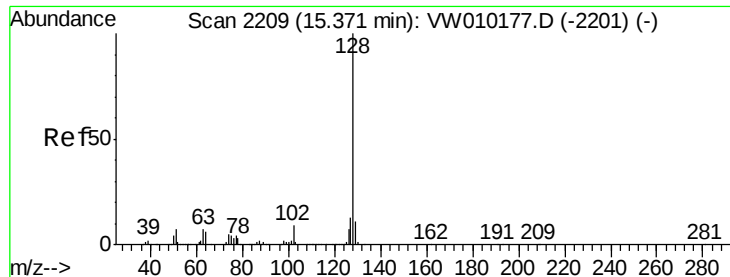


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 26.787 ug/L

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW010180.D

Acq: 29 Apr 2019 14:11

Instrument :

MSVOA_W

ClientSampleId :

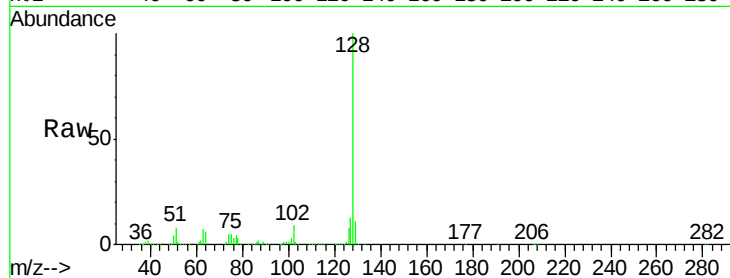
Tot Ion:128 Resp: 685682

Ion Ratio Lower Upper

128 100

129 11.0 8.6 12.8

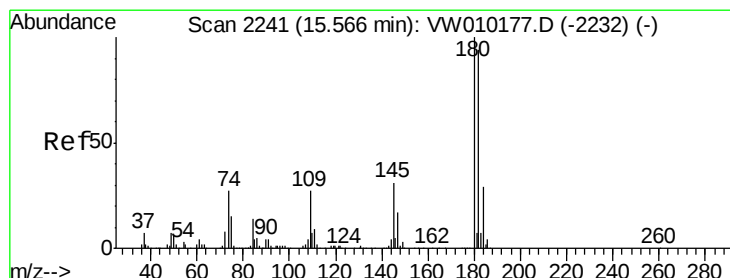
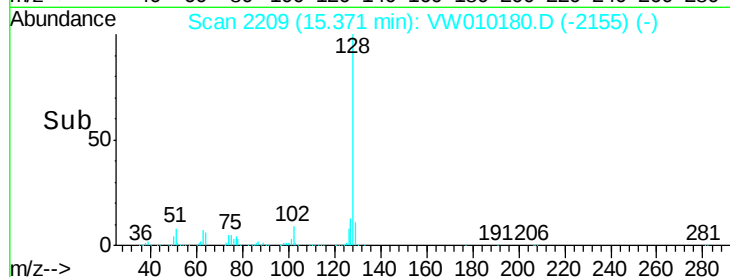
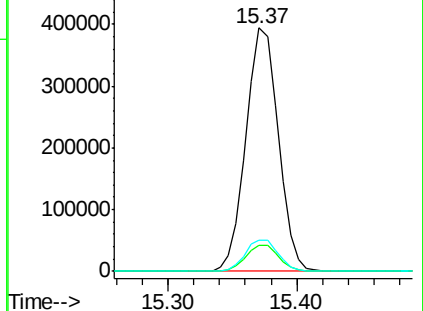
127 13.2 10.6 15.8



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: 25.161 ug/L

RT: 15.56 min Scan# 2240

Delta R.T. -0.01 min

Lab File: VW010180.D

Acq: 29 Apr 2019 14:11

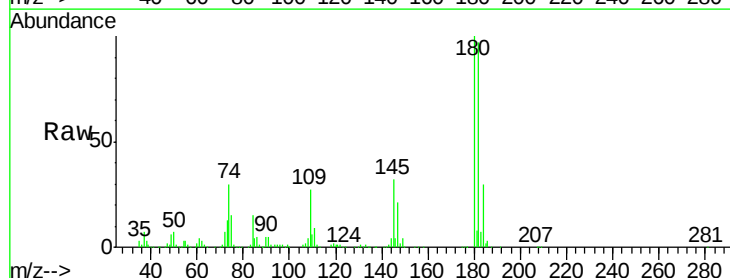
Tgt Ion:180 Resp: 297229

Ion Ratio Lower Upper

180 100

182 96.1 76.2 114.4

145 32.4 26.0 39.0



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

