

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102418\
 Data File : VW006310.D
 Acq On : 24 Oct 2018 10:11
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB92

Quant Time: Oct 25 07:29:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 24 01:59:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	348674	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	328508	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	181715	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	84610	21.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.08%
7) Chloroethane-d5	2.89	69	84287	24.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.60%
10) 1,1-Dichloroethene-d2	4.01	63	181147	23.99	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.96%
20) 2-Butanone-d5	7.09	46	64963	49.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.68%
24) Chloroform-d	7.65	84	200560	26.55	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.20%
26) 1,2-Dichloroethane-d4	8.31	65	109889	26.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.20%
29) Benzene-d6	8.27	84	387520	25.98	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.92%
33) 1,2-Dichloropropane-d6	9.27	67	113178	25.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.56%
37) Toluene-d8	10.32	98	384174	25.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.04%
38) trans-1,3-Dichloropropene-	10.58	79	52094	23.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.24%
39) 2-Hexanone-d5	10.93	63	55495	51.02	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.04%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	122916	28.08	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	112.32%
61) 1,2-Dichlorobenzene-d4	13.86	152	165629	26.59	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.36%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	95220	28.894 ug/L	91
3) Chloromethane	2.21	50	90566	27.984 ug/L	98
5) Vinyl chloride	2.37	62	129271	24.783 ug/L	99
6) Bromomethane	2.79	94	94896	23.364 ug/L	99
8) Chloroethane	2.93	64	83064	25.980 ug/L	96
9) Trichlorofluoromethane	3.26	101	115720	27.731 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	111378	26.696 ug/L	98
12) 1,1-Dichloroethene	4.03	96	102132	25.513 ug/L	85
13) Acetone	4.15	43	70318	53.402 ug/L	99
14) Carbon disulfide	4.37	76	309984	23.687 ug/L	97
15) Methyl Acetate	4.68	43	51727	24.253 ug/L	97
16) Methylene chloride	4.91	84	108154	24.025 ug/L	96
17) Methyl tert-butyl Ether	5.43	73	158029	24.251 ug/L	99
18) trans-1,2-Dichloroethene	5.42	96	109941	24.806 ug/L	99
19) 1,1-Dichloroethane	6.21	63	178083	24.830 ug/L	98
21) 2-Butanone	7.18	43	82454	47.125 ug/L	97
22) cis-1,2-Dichloroethene	7.17	96	120240	24.871 ug/L	99

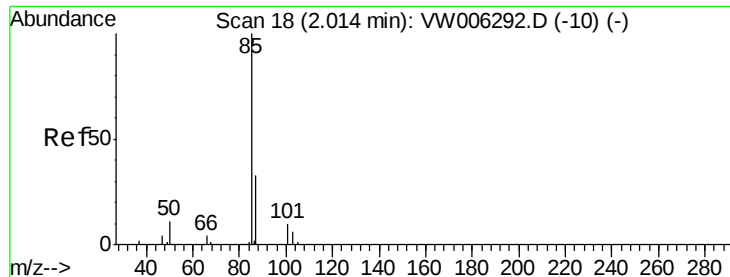
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102418\
 Data File : VW006310.D
 Acq On : 24 Oct 2018 10:11
 Operator : SY/AP
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB92

Quant Time: Oct 25 07:29:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 24 01:59:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	56957	25.048	ug/L	95
25) Chloroform	7.68	83	196477	25.449	ug/L	100
27) 1,2-Dichloroethane	8.40	62	133726	25.412	ug/L	98
30) Cyclohexane	7.95	56	170989	23.682	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	174248	25.348	ug/L	99
32) Carbon tetrachloride	8.07	117	167983	24.917	ug/L	100
34) Benzene	8.32	78	423135	25.091	ug/L	100
35) Trichloroethene	9.09	95	120669	25.431	ug/L	99
36) Methylcyclohexane	9.34	83	214545	24.678	ug/L	99
40) 1,2-Dichloropropane	9.37	63	101493	24.260	ug/L	99
41) Bromodichloromethane	9.65	83	136830	24.221	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	163808	23.973	ug/L	97
43) 4-Methyl-2-pentanone	10.21	43	150356	44.853	ug/L	98
44) Toluene	10.39	91	475161	25.093	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	142771	23.921	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	86923	24.951	ug/L	97
47) Tetrachloroethene	10.87	164	113786	25.906	ug/L	94
49) 2-Hexanone	10.97	43	120112	48.618	ug/L	97
50) Dibromochloromethane	11.13	129	105093	23.536	ug/L	99
51) 1,2-Dibromoethane	11.24	107	90798	25.039	ug/L	99
52) Chlorobenzene	11.66	112	320448	25.007	ug/L	99
53) Ethylbenzene	11.74	91	553008	25.085	ug/L	100
54) m,p-Xylene	11.84	106	213802	24.742	ug/L	99
55) o-xylene	12.17	106	205649	24.925	ug/L	100
56) Styrene	12.18	104	350898	24.697	ug/L	100
57) Isopropylbenzene	12.47	105	577025	25.135	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	117877	26.038	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	87158	25.804	ug/L	99
62) Bromoform	12.35	173	71129	23.361	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	278730	24.978	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	281344	25.036	ug/L	100
65) 1,2-Dichlorobenzene	13.88	146	259802	25.308	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	19479	23.573	ug/L	94
67) 1,3,5-Trichlorobenzene	14.63	180	229881	25.556	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	194822	25.400	ug/L	100
69) Naphthalene	15.38	128	390210	25.127	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	176272	25.581	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 28.894 ug/L

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW006310.D

Acq: 24 Oct 2018 10:11

Instrument :

MSVOA_W

ClientSampleId :

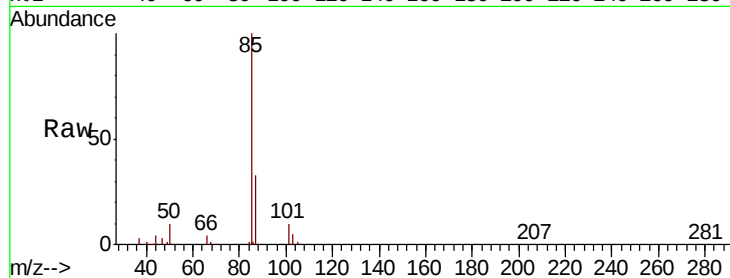
BFB92

Tgt Ion: 85 Resp: 95220

Ion Ratio Lower Upper

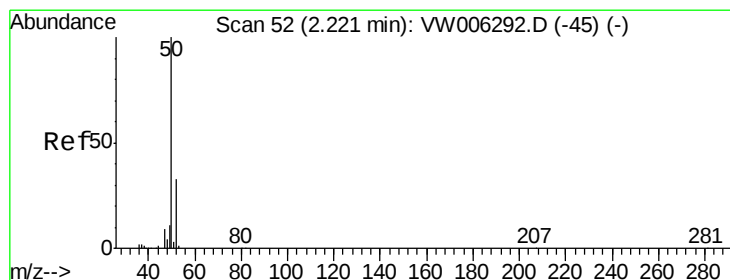
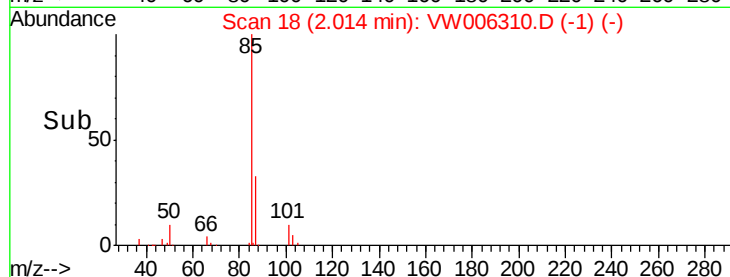
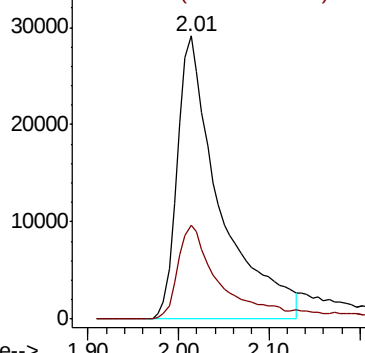
85 100

87 31.9 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: 27.984 ug/L

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006310.D

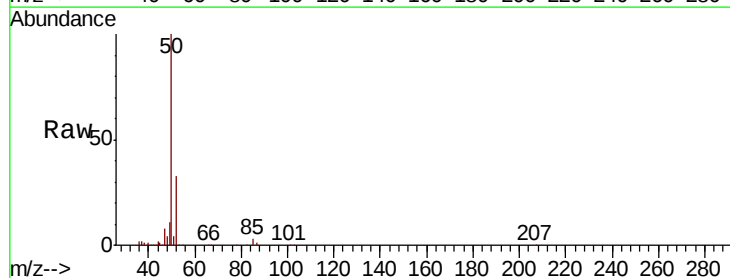
Acq: 24 Oct 2018 10:11

Tgt Ion: 50 Resp: 90566

Ion Ratio Lower Upper

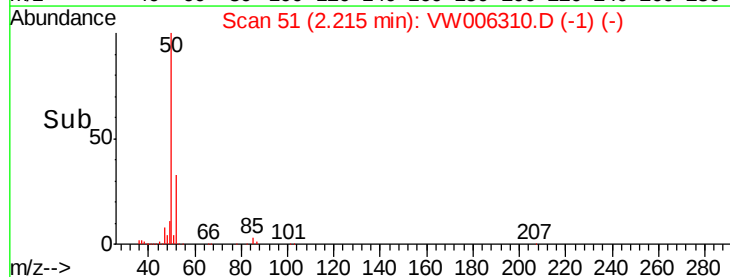
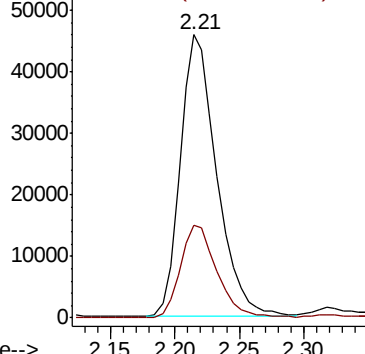
50 100

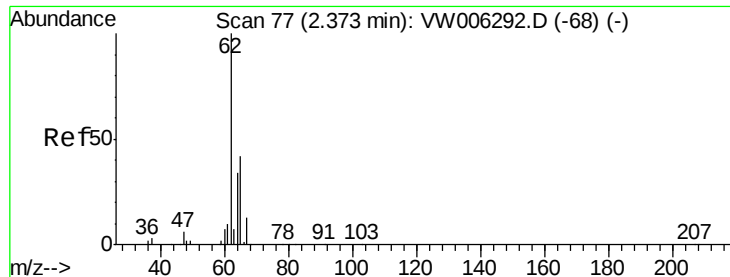
52 33.0 22.3 41.3



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 24.783 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006310.D

Acq: 24 Oct 2018 10:11

Instrument :

MSVOA_W

ClientSampleId :

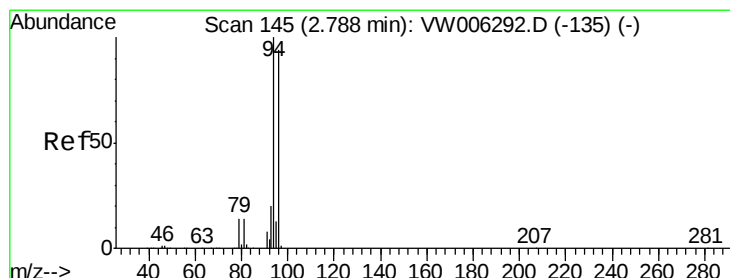
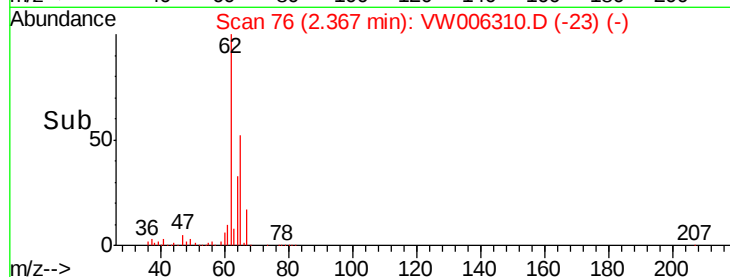
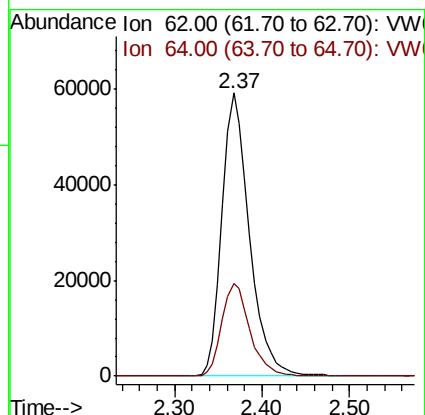
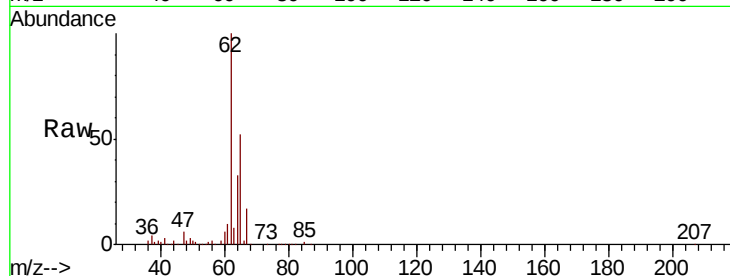
BFB92

Tgt Ion: 62 Resp: 129271

Ion Ratio Lower Upper

62 100

64 32.8 22.7 42.3



#6

Bromomethane

Concen: 23.364 ug/L

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW006310.D

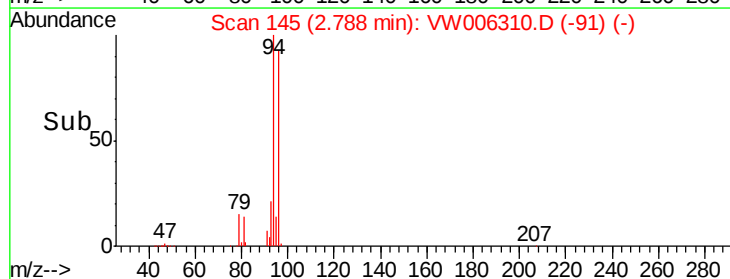
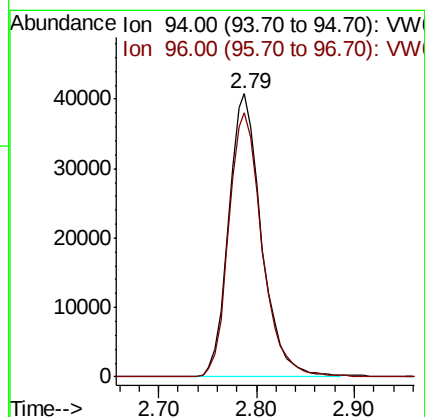
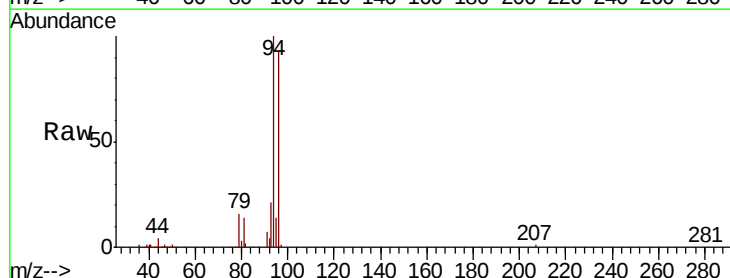
Acq: 24 Oct 2018 10:11

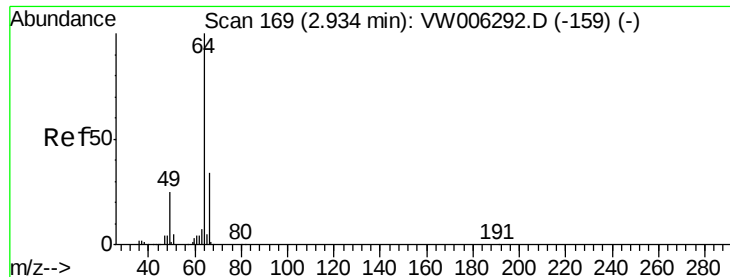
Tgt Ion: 94 Resp: 94896

Ion Ratio Lower Upper

94 100

96 94.8 9.5 181.3





#8

Chloroethane

Concen: 25.980 ug/L

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW006310.D

Acq: 24 Oct 2018 10:11

Instrument :

MSVOA_W

ClientSampleId :

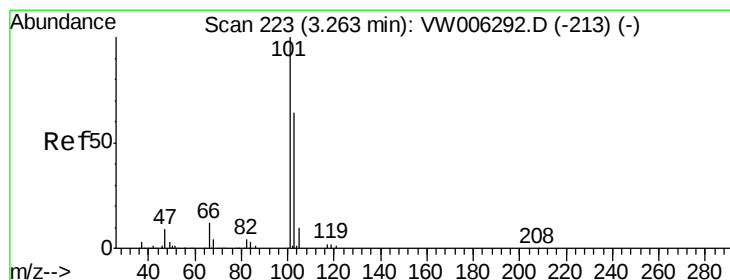
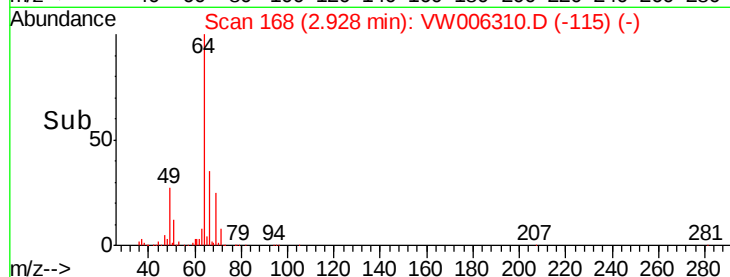
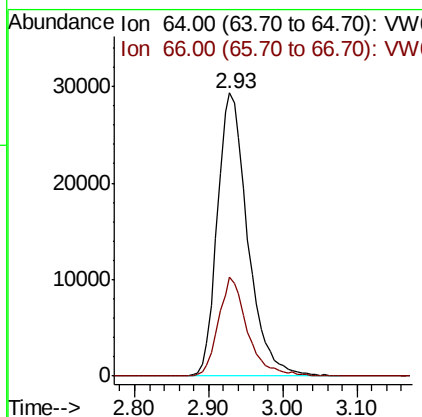
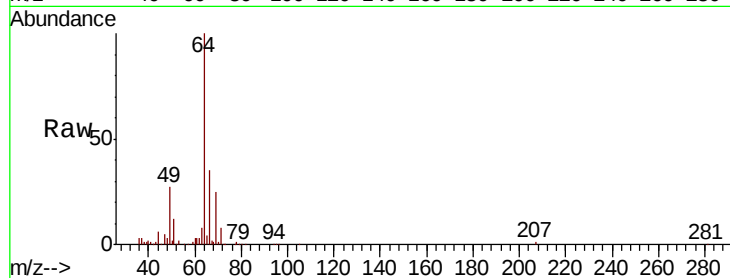
BFB92

Tgt Ion: 64 Resp: 83064

Ion Ratio Lower Upper

64 100

66 34.9 22.7 42.1



#9

Trichlorofluoromethane

Concen: 27.731 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW006310.D

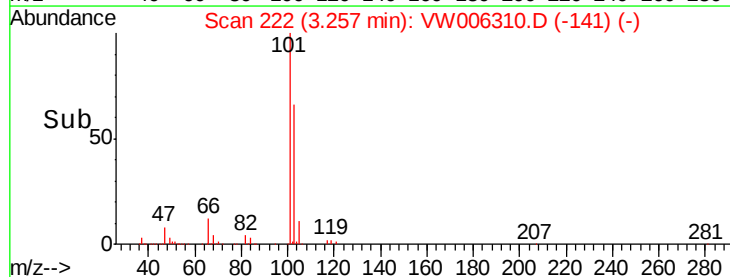
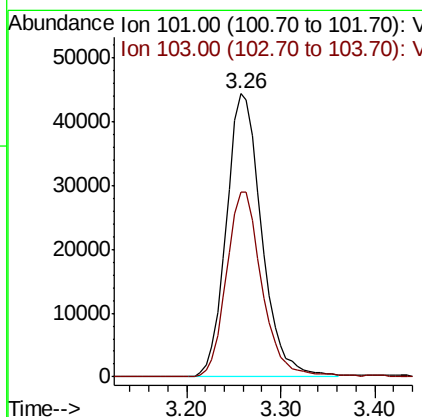
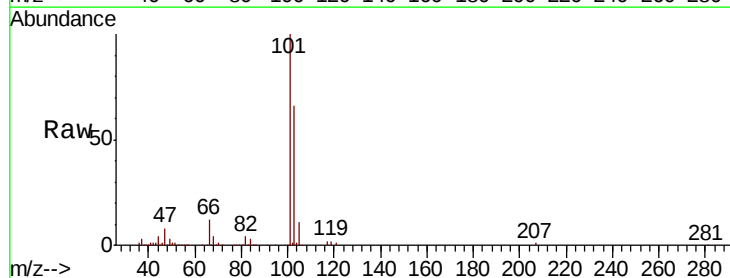
Acq: 24 Oct 2018 10:11

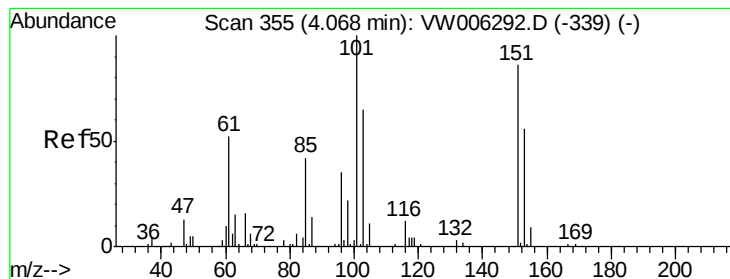
Tgt Ion: 101 Resp: 115720

Ion Ratio Lower Upper

101 100

103 65.2 45.6 84.6





#11

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

Concen: 26.696 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW006310.D

Acq: 24 Oct 2018 10:11

Instrument :

MSVOA_W

ClientSampleId :

BFB92

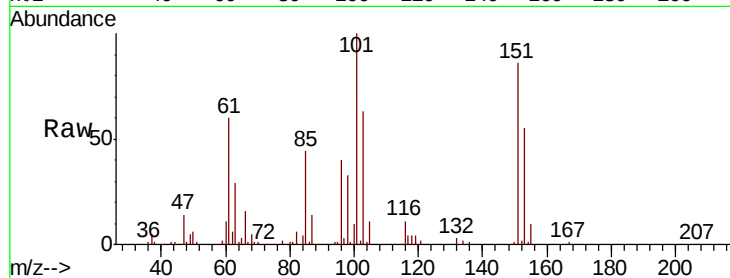
Tgt Ion:101 Resp: 111378

Ion Ratio Lower Upper

101 100

85 42.6 33.4 50.2

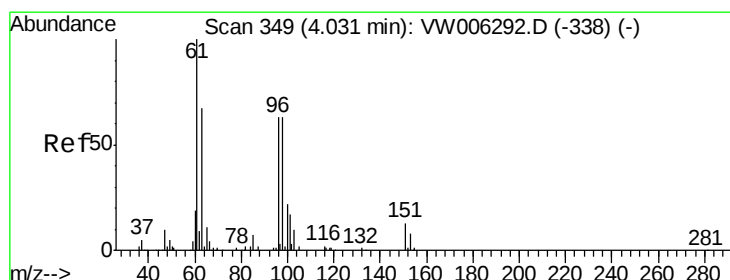
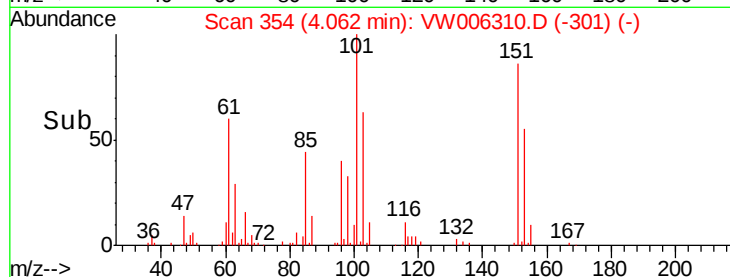
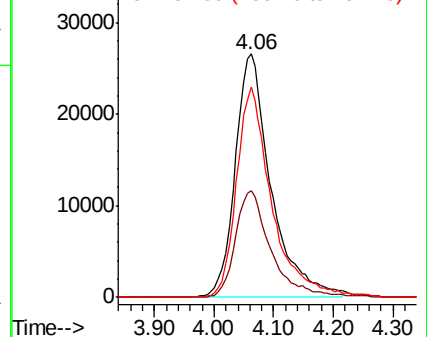
151 83.5 68.7 103.1



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: 25.513 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.00 min

Lab File: VW006310.D

Acq: 24 Oct 2018 10:11

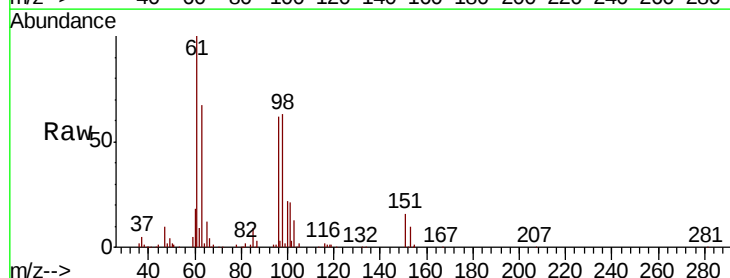
Tgt Ion: 96 Resp: 102132

Ion Ratio Lower Upper

96 100

61 160.4 112.3 208.7

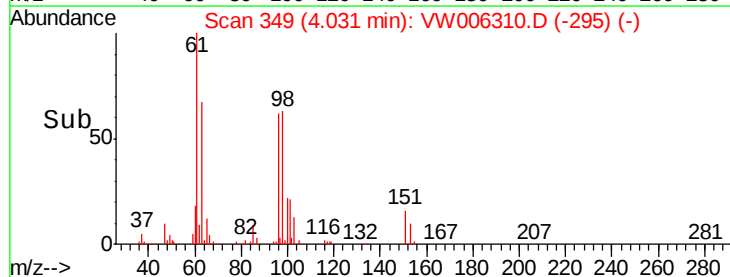
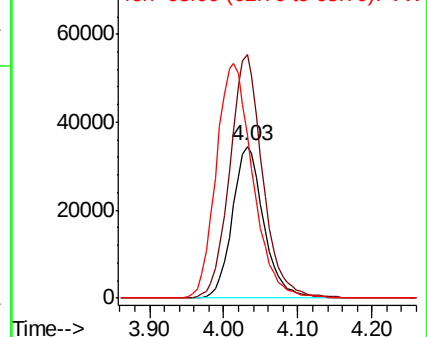
63 107.6 102.6 190.6

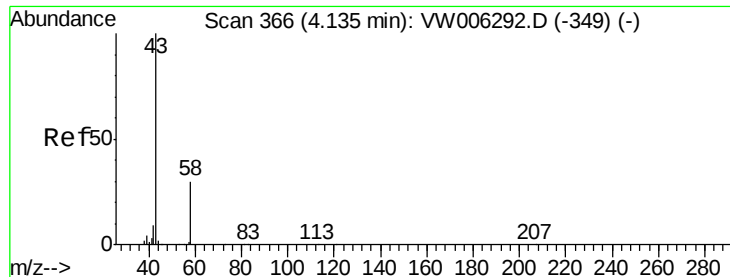


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 53.402 ug/L

RT: 4.15 min Scan# 368

Delta R.T. 0.01 min

Lab File: VW006310.D

Acq: 24 Oct 2018 10:11

Instrument :

MSVOA_W

ClientSampleId :

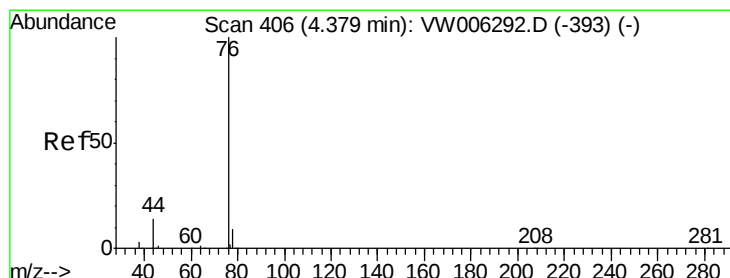
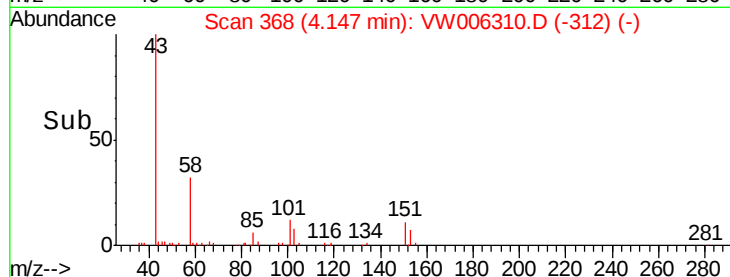
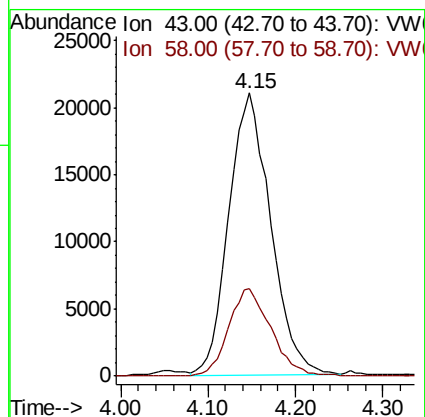
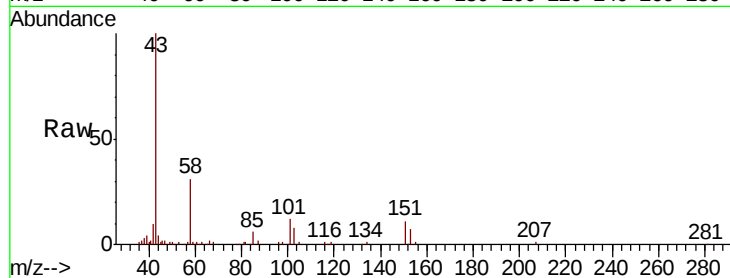
BFB92

Tgt Ion: 43 Resp: 70318

Ion Ratio Lower Upper

43 100

58 31.3 0.0 61.2



#14

Carbon disulfide

Concen: 23.687 ug/L

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW006310.D

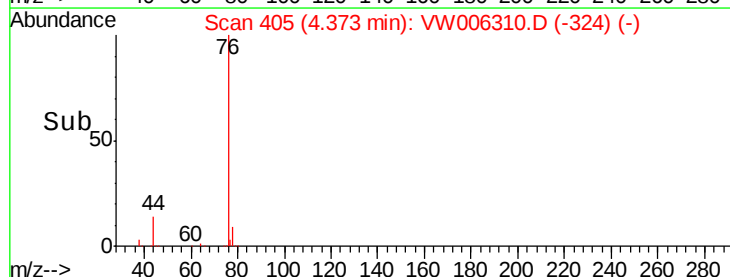
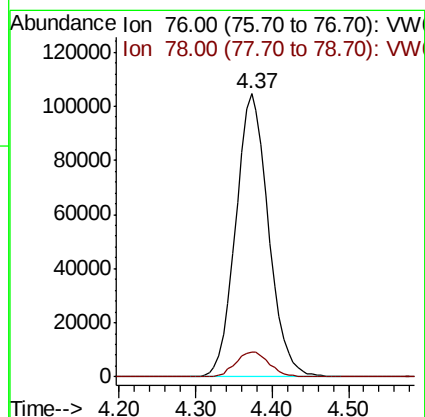
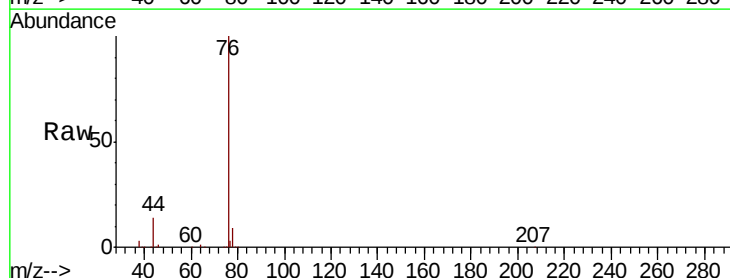
Acq: 24 Oct 2018 10:11

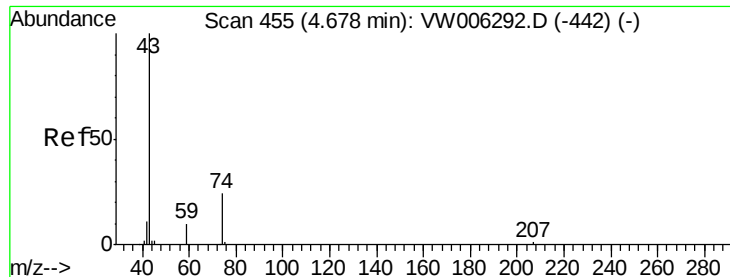
Tgt Ion: 76 Resp: 309984

Ion Ratio Lower Upper

76 100

78 8.6 7.6 11.4

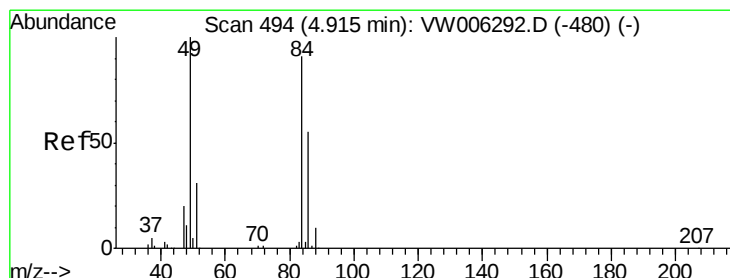
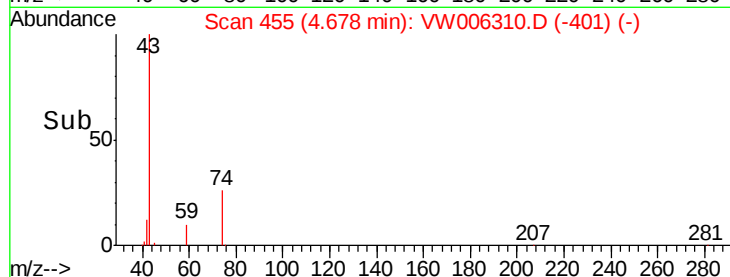
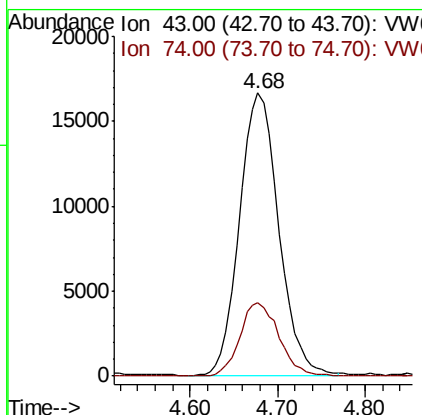
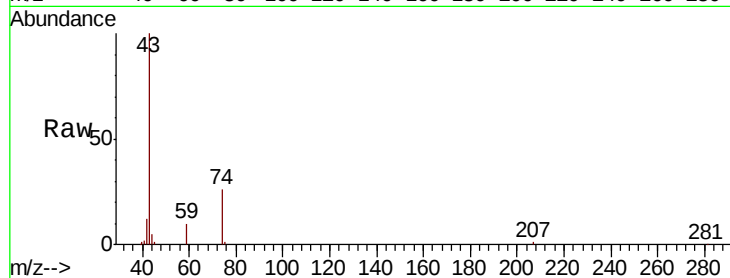




#15
Methyl Acetate
Concen: 24.253 ug/L
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW006310.D
Acq: 24 Oct 2018 10:11

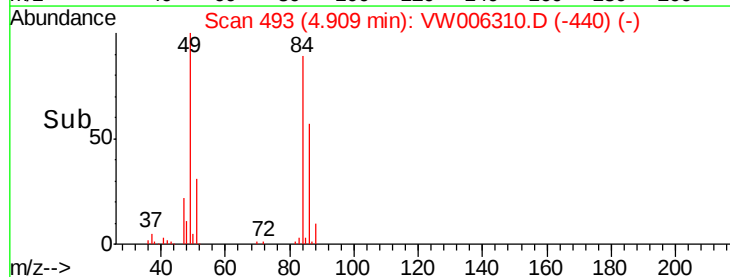
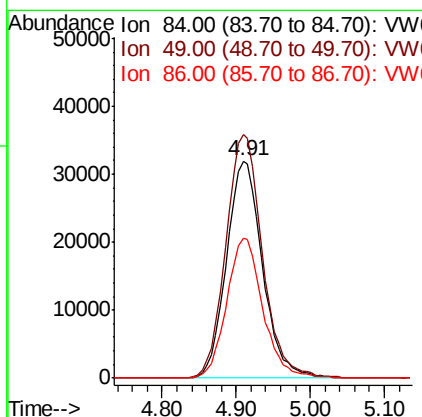
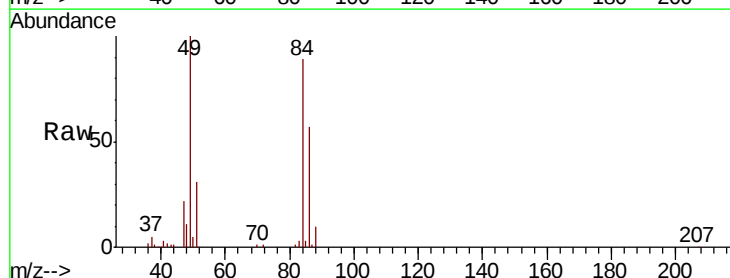
Instrument :
MSVOA_W
ClientSampleId :
BFB92

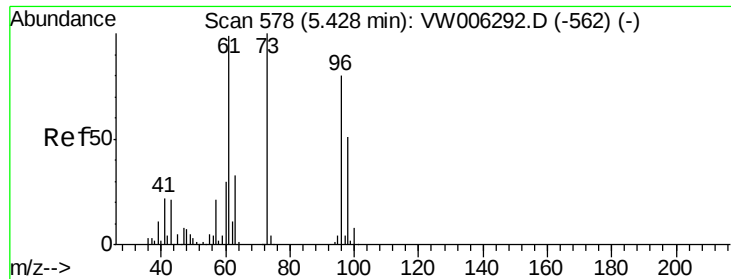
Tgt Ion: 43 Resp: 51727
Ion Ratio Lower Upper
43 100
74 25.9 19.4 29.2



#16
Methylene chloride
Concen: 24.025 ug/L
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW006310.D
Acq: 24 Oct 2018 10:11

Tgt Ion: 84 Resp: 108154
Ion Ratio Lower Upper
84 100
49 112.3 83.5 155.1
86 64.5 44.9 83.5

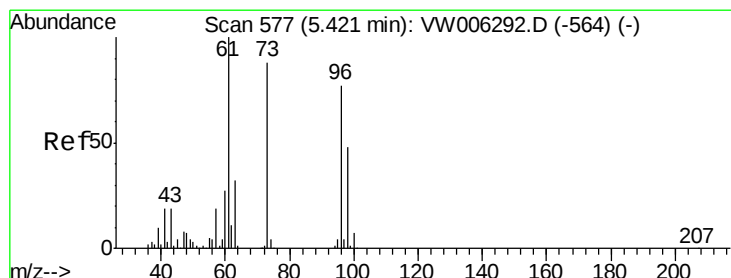
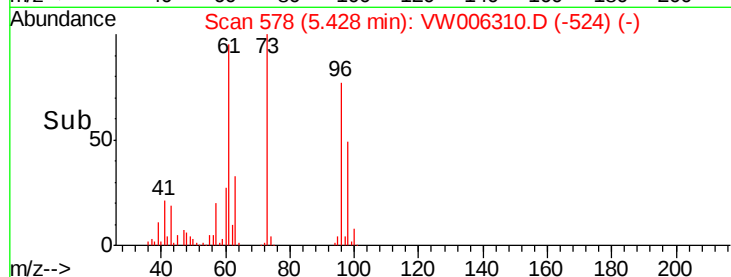
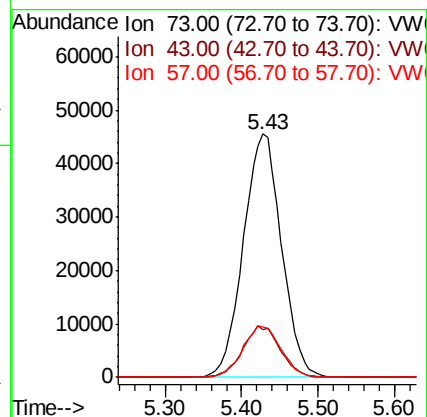
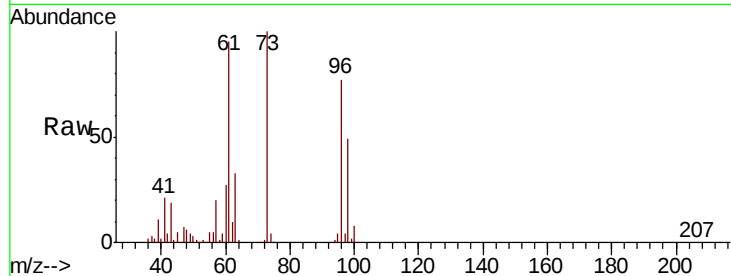




#17
Methyl tert-butyl Ether
Concen: 24.251 ug/L
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW006310.D
Acq: 24 Oct 2018 10:11

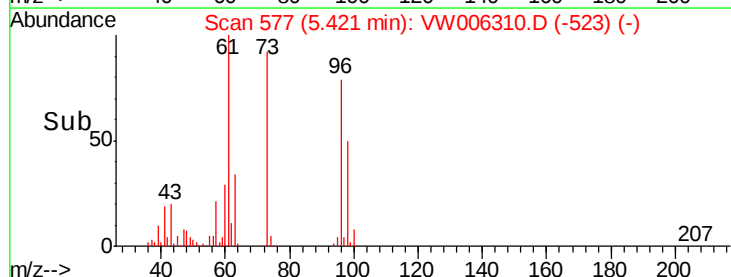
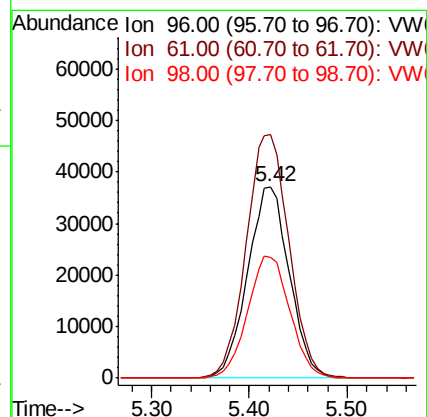
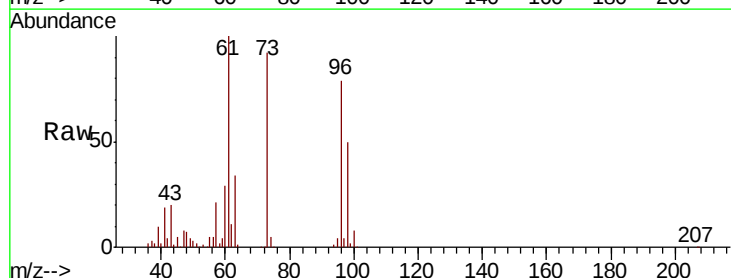
Instrument :
MSVOA_W
ClientSampled :
BFB92

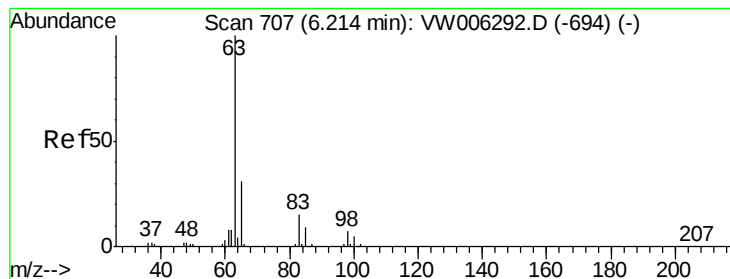
Tgt Ion: 73 Resp: 158029
Ion Ratio Lower Upper
73 100
43 20.7 17.0 25.4
57 21.1 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 24.806 ug/L
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW006310.D
Acq: 24 Oct 2018 10:11

Tgt Ion: 96 Resp: 109941
Ion Ratio Lower Upper
96 100
61 127.2 89.0 165.2
98 63.1 42.4 78.6





#19

1,1-Dichloroethane

Concen: 24.830 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW006310.D

Acq: 24 Oct 2018 10:11

Instrument :

MSVOA_W

ClientSampled :

BFB92

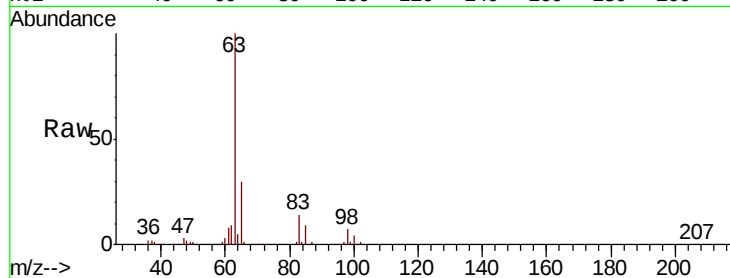
Tgt Ion: 63 Resp: 178083

Ion Ratio Lower Upper

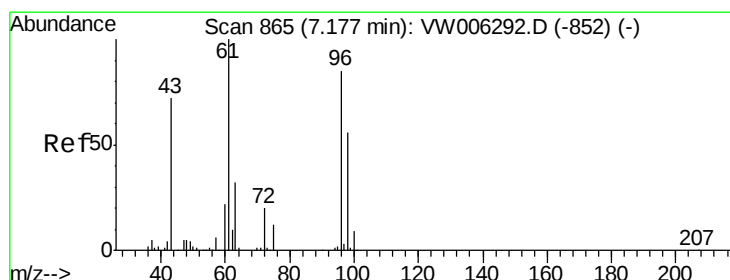
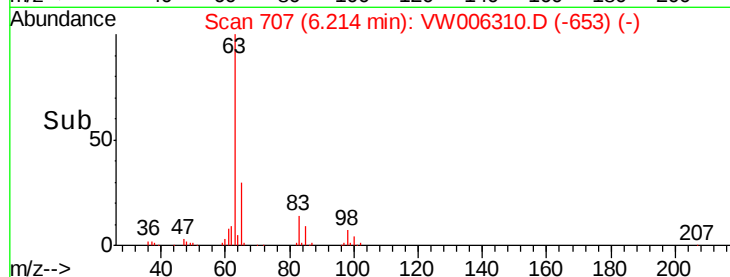
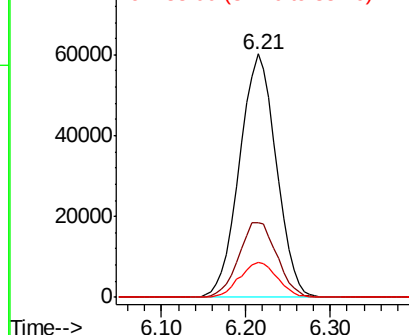
63 100

65 30.4 22.3 41.5

83 14.5 9.7 18.1



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: 47.125 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW006310.D

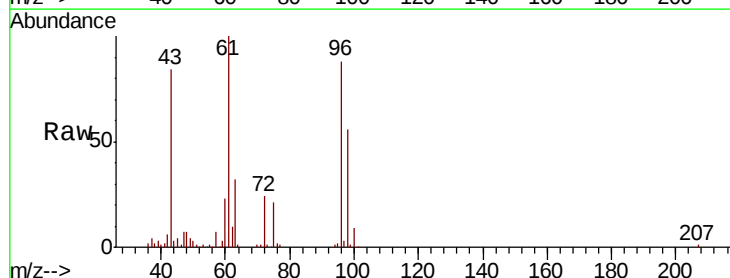
Acq: 24 Oct 2018 10:11

Tgt Ion: 43 Resp: 82454

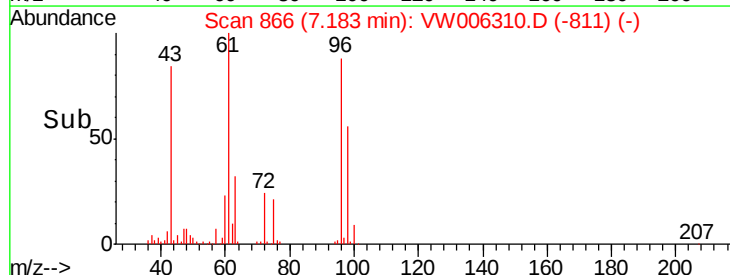
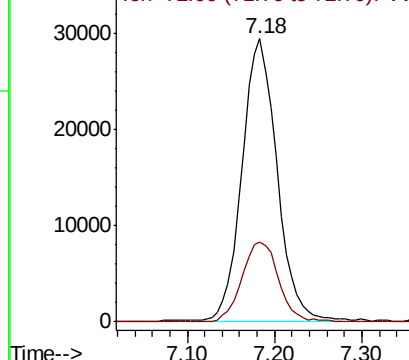
Ion Ratio Lower Upper

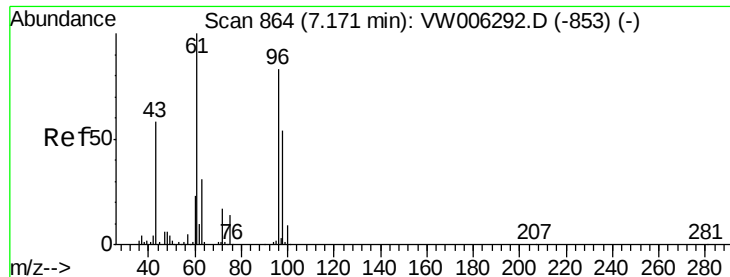
43 100

72 29.2 13.8 41.4



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



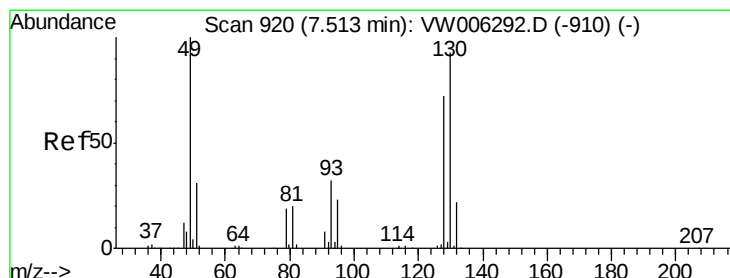
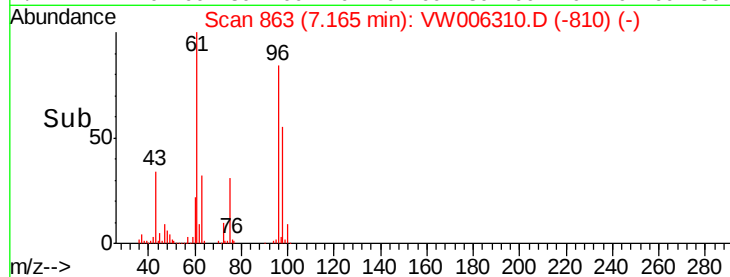
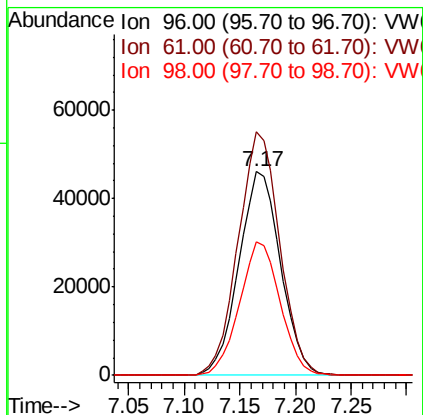
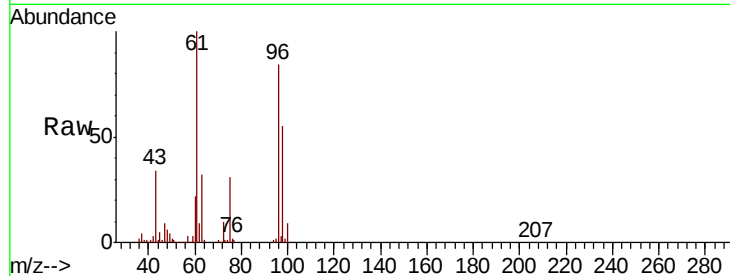


#22

cis-1,2-Dichloroethene
 Concen: 24.871 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW006310.D
 Acq: 24 Oct 2018 10:11

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB92

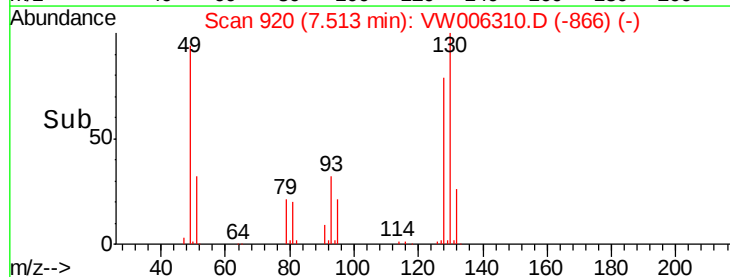
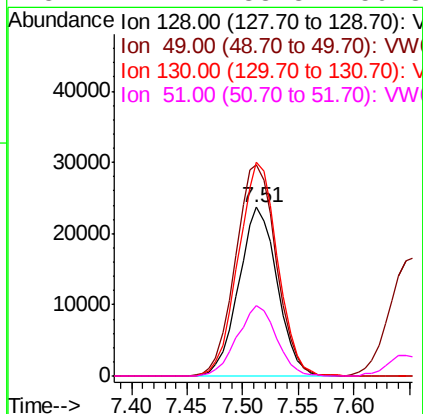
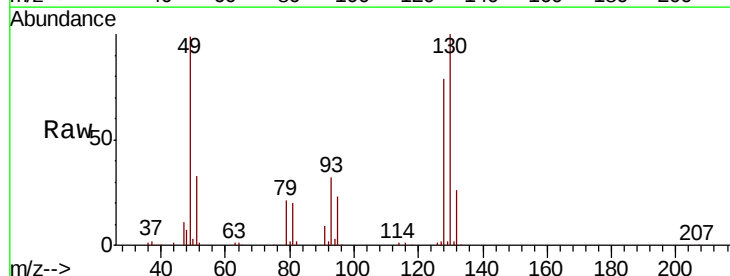
Tgt Ion: 96 Resp: 120240
 Ion Ratio Lower Upper
 96 100
 61 119.6 85.1 158.1
 98 65.5 46.3 86.1

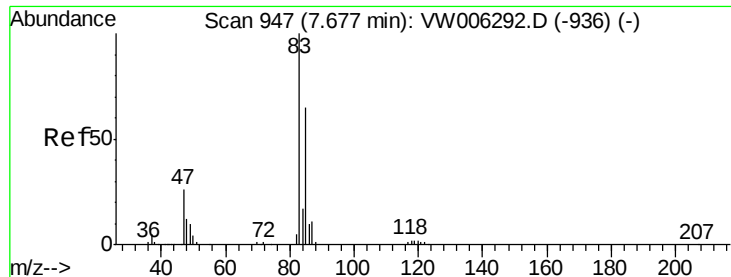


#23

Bromochloromethane
 Concen: 25.048 ug/L
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW006310.D
 Acq: 24 Oct 2018 10:11

Tgt Ion: 128 Resp: 56957
 Ion Ratio Lower Upper
 128 100
 49 125.1 95.2 176.8
 130 126.5 86.3 160.3
 51 41.7 33.8 50.8

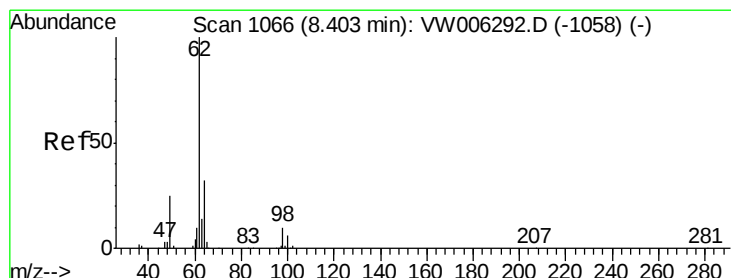
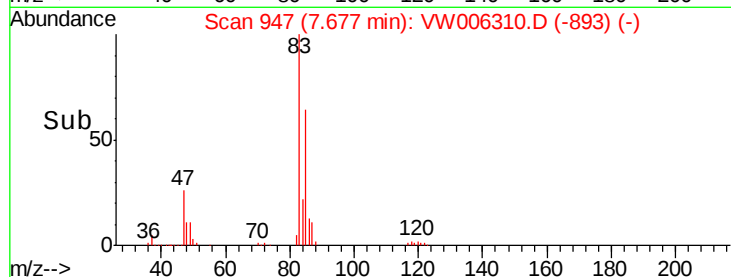
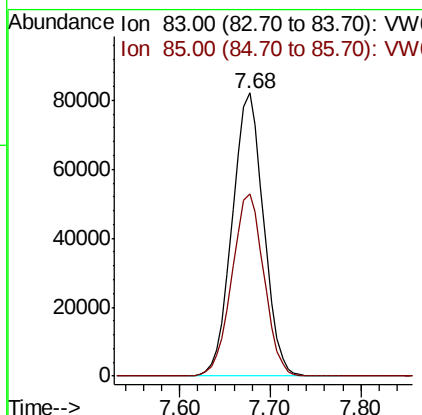
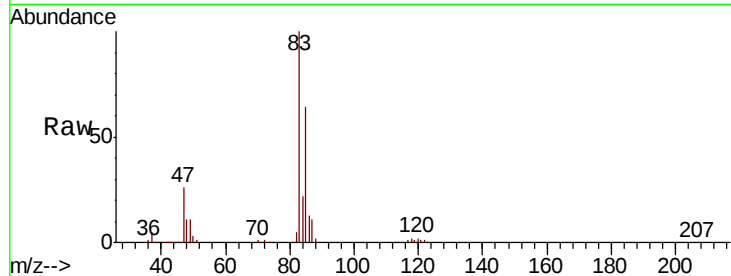




#25
Chloroform
Concen: 25.449 ug/L
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW006310.D
Acq: 24 Oct 2018 10:11

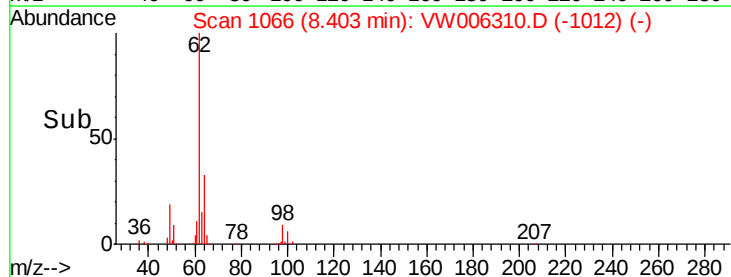
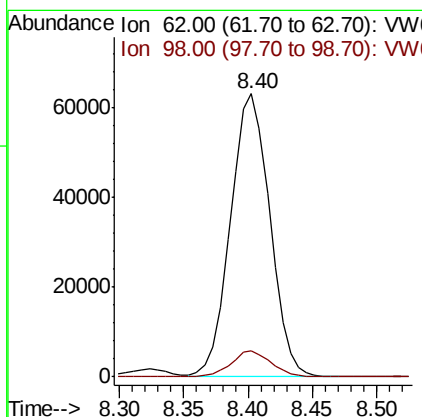
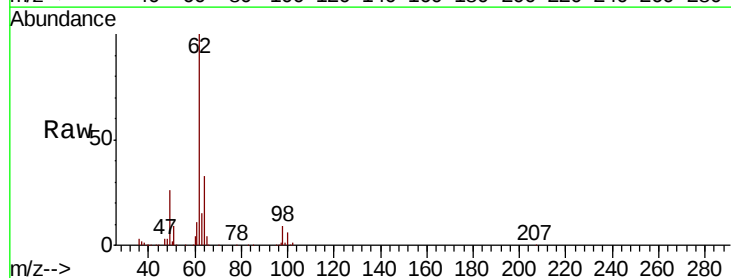
Instrument :
MSVOA_W
ClientSampled :
BFB92

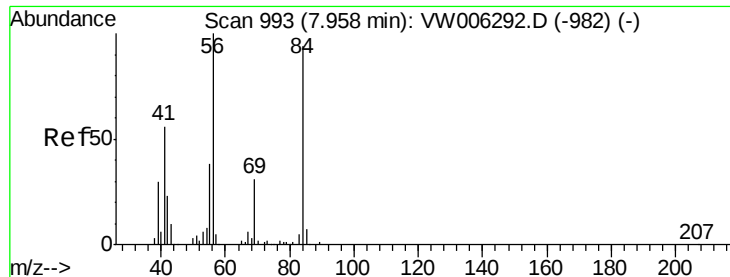
Tgt Ion: 83 Resp: 196477
Ion Ratio Lower Upper
83 100
85 65.9 46.3 85.9



#27
1,2-Dichloroethane
Concen: 25.412 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW006310.D
Acq: 24 Oct 2018 10:11

Tgt Ion: 62 Resp: 133726
Ion Ratio Lower Upper
62 100
98 9.3 8.0 12.0

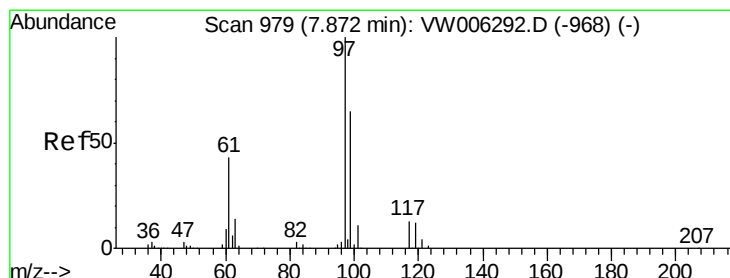
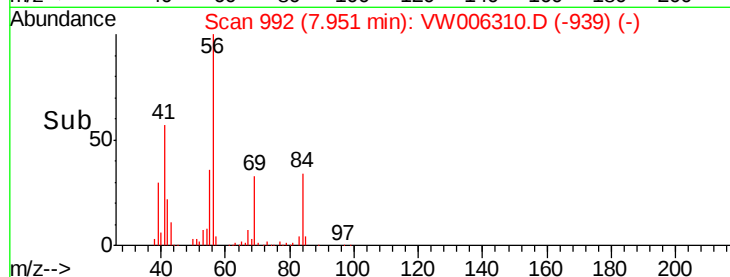
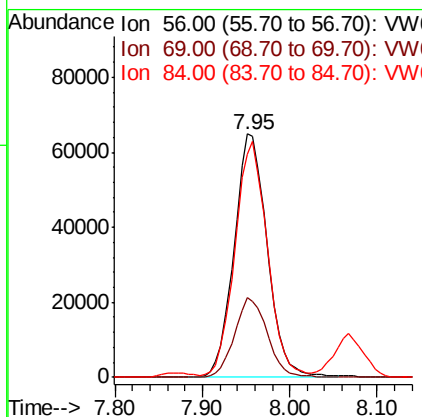
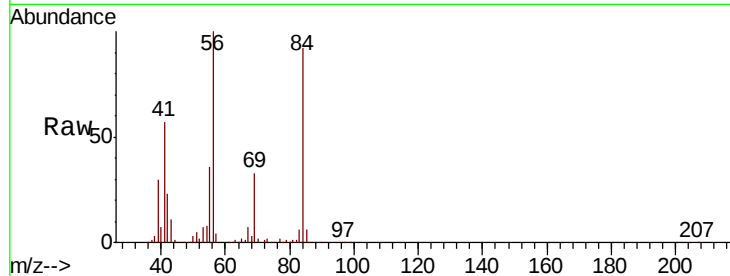




#30
Cyclohexane
Concen: 23.682 ug/L
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW006310.D
Acq: 24 Oct 2018 10:11

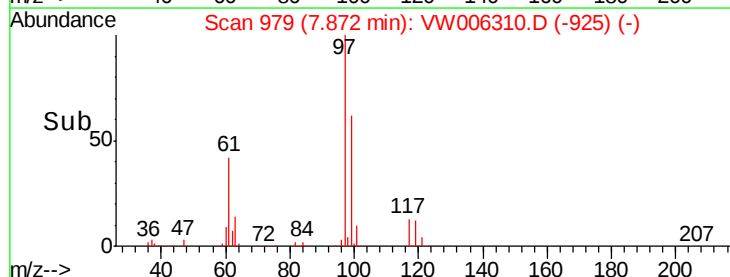
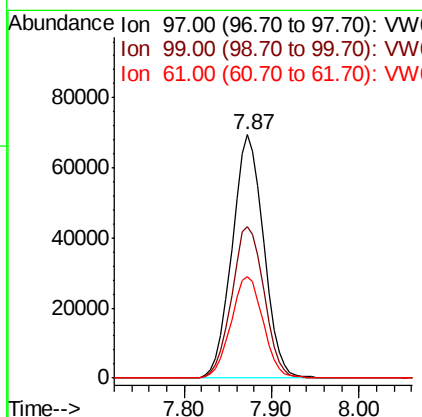
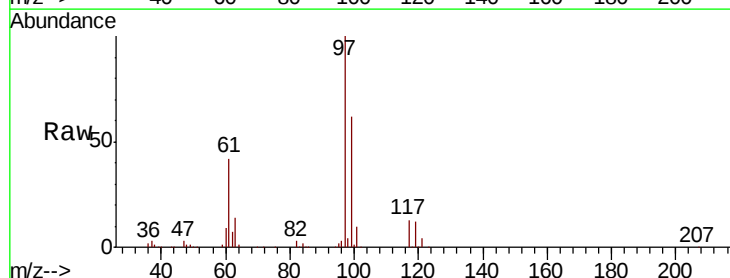
Instrument :
MSVOA_W
ClientSampled :
BFB92

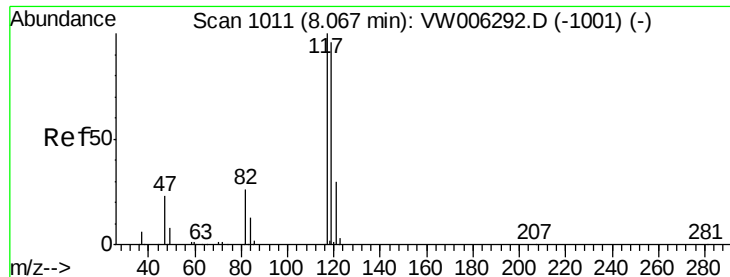
Tgt Ion: 56 Resp: 170989
Ion Ratio Lower Upper
56 100
69 32.3 25.4 38.0
84 95.0 73.9 110.9



#31
1,1,1-Trichloroethane
Concen: 25.348 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW006310.D
Acq: 24 Oct 2018 10:11

Tgt Ion: 97 Resp: 174248
Ion Ratio Lower Upper
97 100
99 63.9 51.0 76.4
61 42.7 33.6 50.4





#32

Carbon tetrachloride

Concen: 24.917 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VW006310.D

Acq: 24 Oct 2018 10:11

Instrument :

MSVOA_W

ClientSampleId :

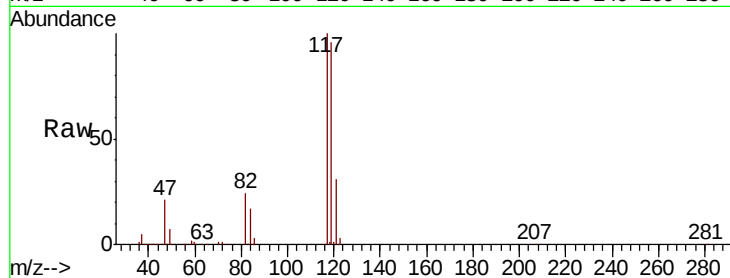
BFB92

Tgt Ion:117 Resp: 167983

Ion Ratio Lower Upper

117 100

119 96.2 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

80000

60000

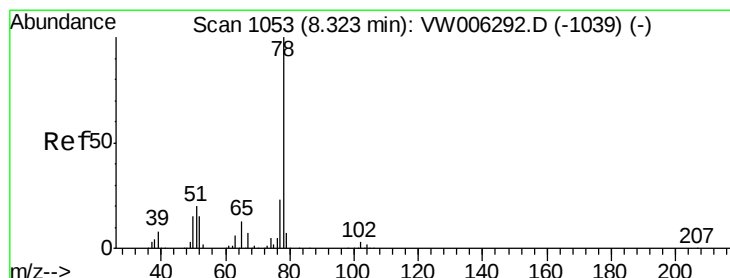
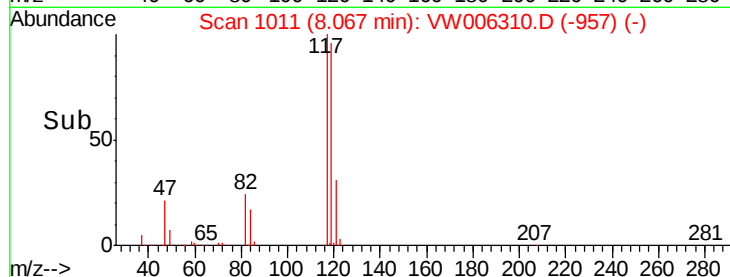
40000

20000

0

Time-->

8.00 8.10 8.20



#34

Benzene

Concen: 25.091 ug/L

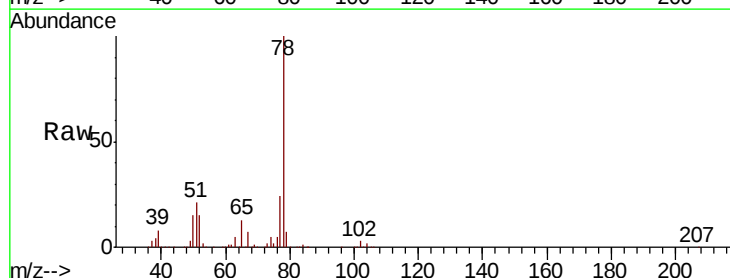
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW006310.D

Acq: 24 Oct 2018 10:11

Tgt Ion: 78 Resp: 423135



Abundance Ion 78.00 (77.70 to 78.70): VW

200000

150000

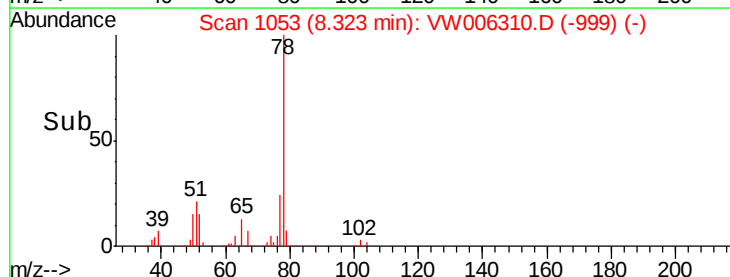
100000

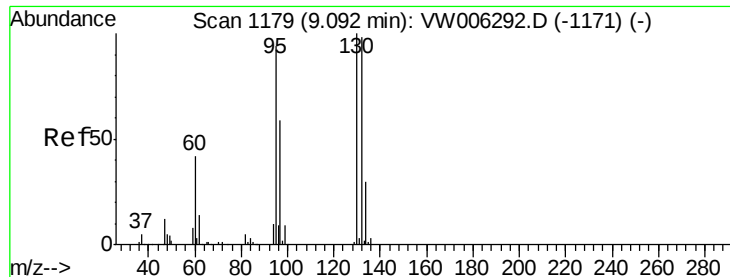
50000

0

Time-->

8.20 8.30 8.40





#35

Trichloroethene

Concen: 25.431 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW006310.D

Acq: 24 Oct 2018 10:11

Instrument :

MSVOA_W

ClientSampleId :

BFB92

Tgt Ion: 95 Resp: 120669

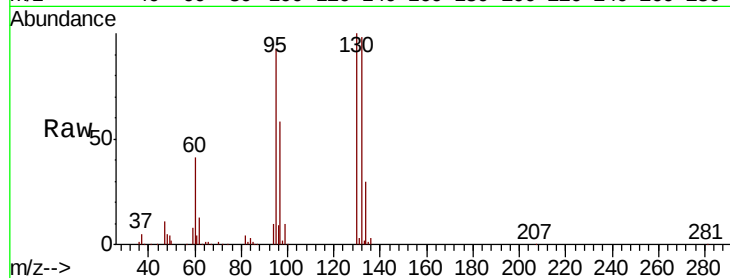
Ion Ratio Lower Upper

95 100

97 64.7 45.8 85.0

132 104.9 72.9 135.3

130 107.6 75.8 140.8

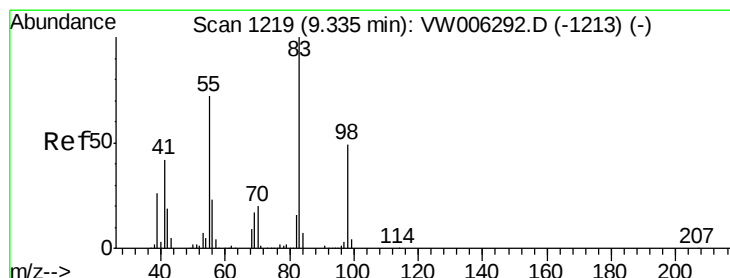
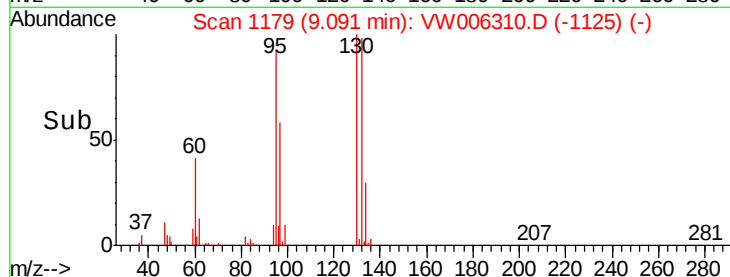
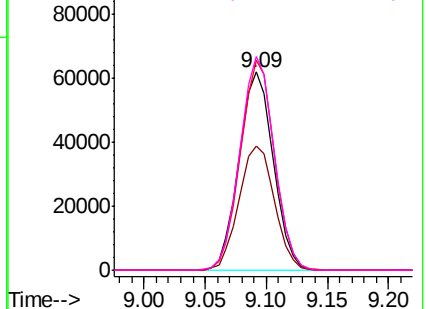


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#36

Methylcyclohexane

Concen: 24.678 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW006310.D

Acq: 24 Oct 2018 10:11

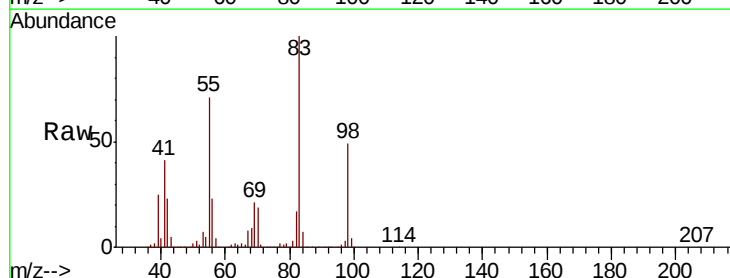
Tgt Ion: 83 Resp: 214545

Ion Ratio Lower Upper

83 100

55 70.4 57.1 85.7

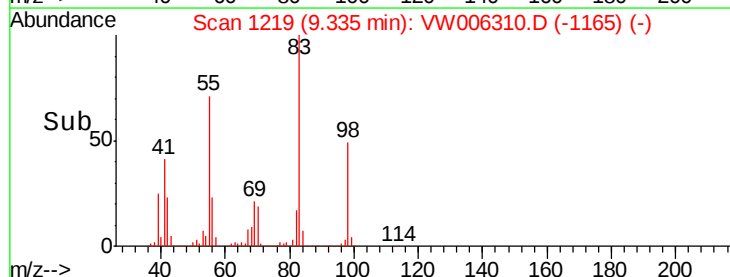
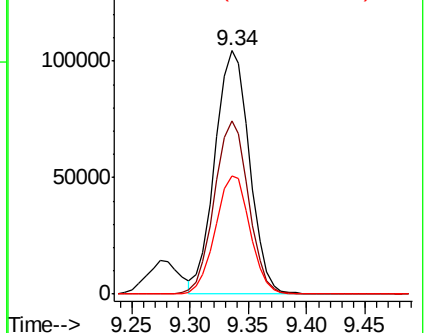
98 48.8 38.9 58.3

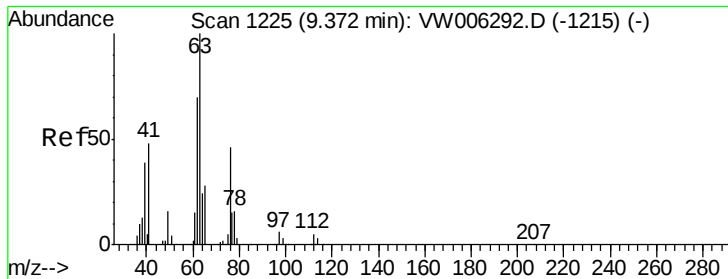


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

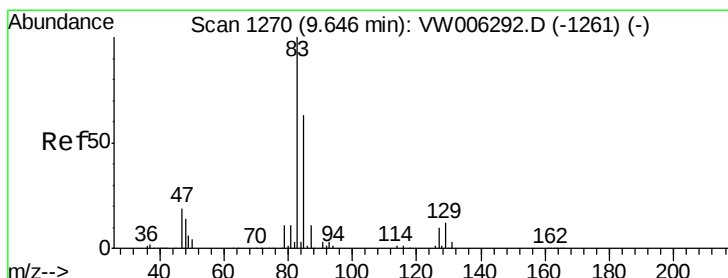
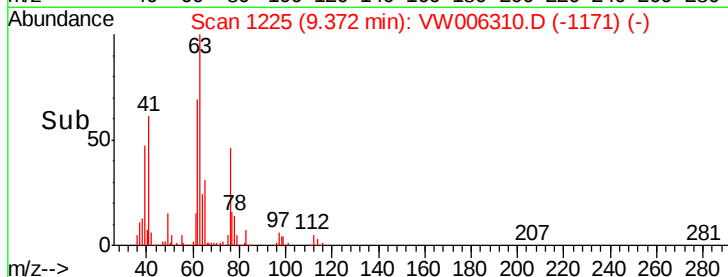
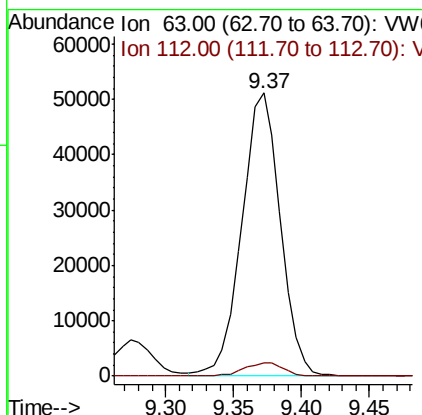
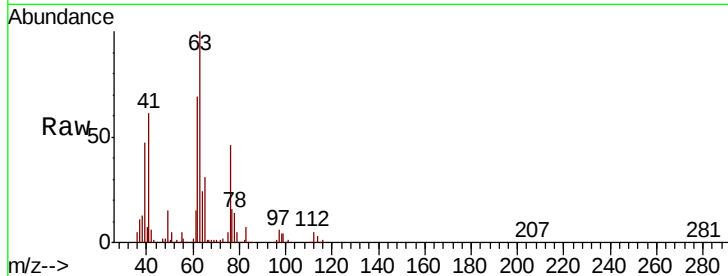




#40
 1,2-Dichloropropane
 Concen: 24.260 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW006310.D
 Acq: 24 Oct 2018 10:11

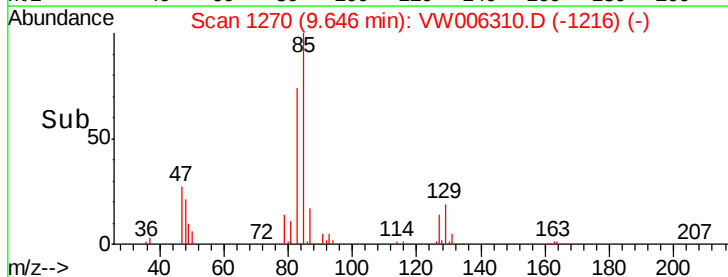
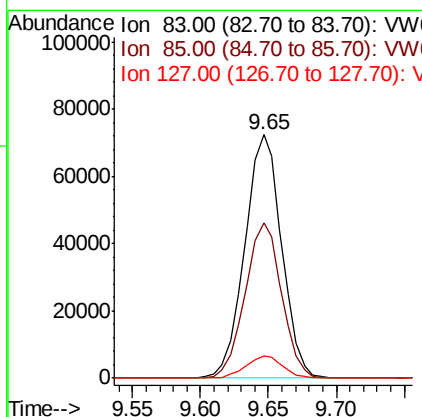
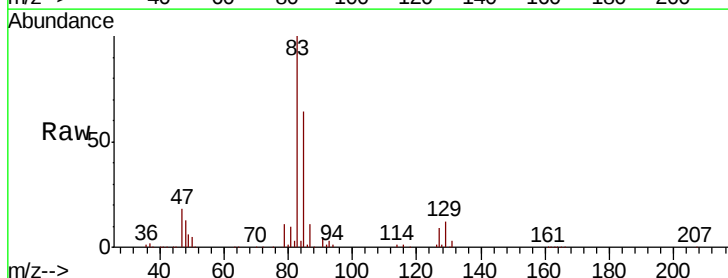
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB92

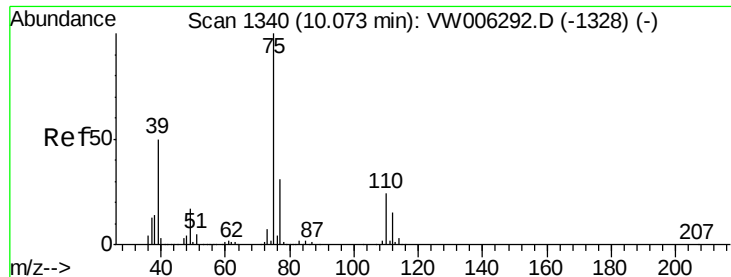
Tgt Ion: 63 Resp: 101493
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.5 5.3



#41
 Bromodichloromethane
 Concen: 24.221 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW006310.D
 Acq: 24 Oct 2018 10:11

Tgt Ion: 83 Resp: 136830
 Ion Ratio Lower Upper
 83 100
 85 63.7 45.5 84.5
 127 9.1 7.4 11.2





#42

cis-1,3-Dichloropropene

Concen: 23.973 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW006310.D

Acq: 24 Oct 2018 10:11

Instrument :

MSVOA_W

ClientSampleId :

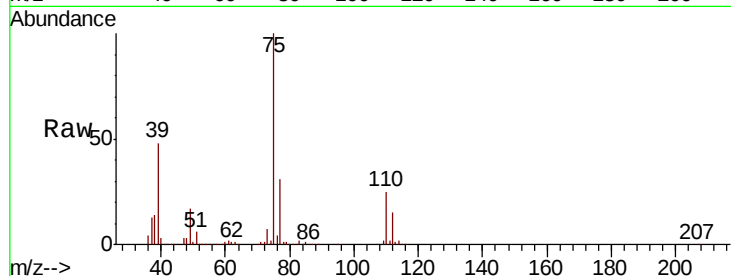
BFB92

Tgt Ion: 75 Resp: 163808

Ion Ratio Lower Upper

75 100

77 30.7 22.6 42.0



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.07

80000

60000

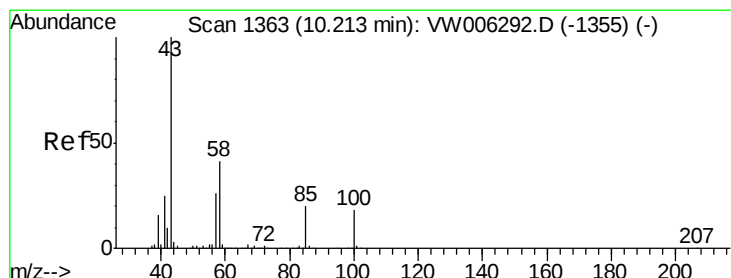
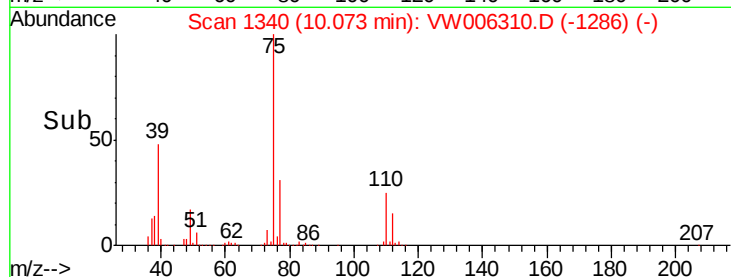
40000

20000

0

Time-->

10.00 10.10 10.20



#43

4-Methyl-2-pentanone

Concen: 44.853 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW006310.D

Acq: 24 Oct 2018 10:11

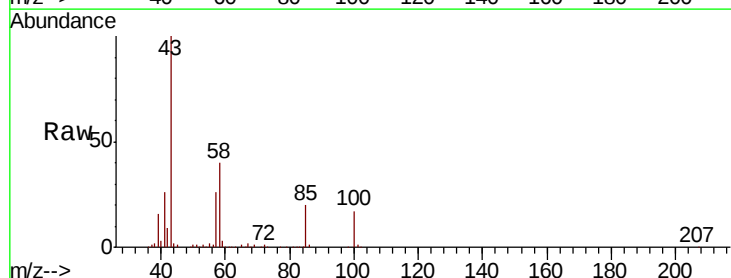
Tgt Ion: 43 Resp: 150356

Ion Ratio Lower Upper

43 100

58 40.0 31.4 47.2

100 17.9 13.3 19.9



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

150000

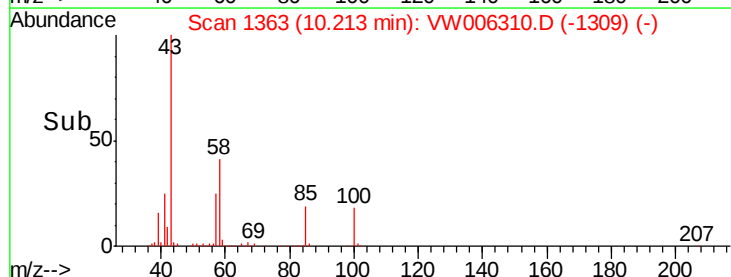
100000

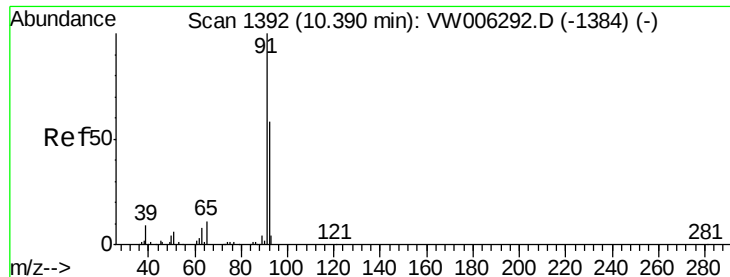
50000

0

Time-->

10.20 10.30





#44

Toluene

Concen: 25.093 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006310.D

Acq: 24 Oct 2018 10:11

Instrument :

MSVOA_W

ClientSampled :

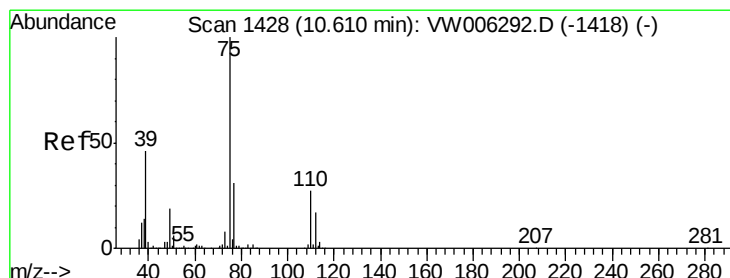
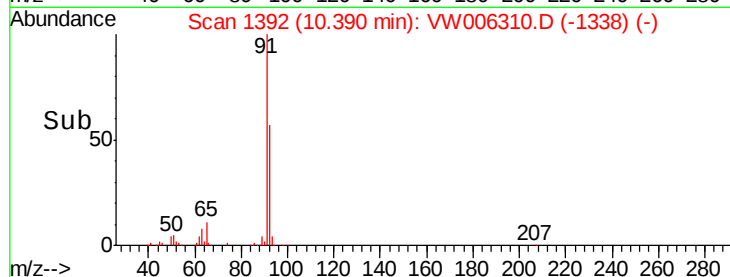
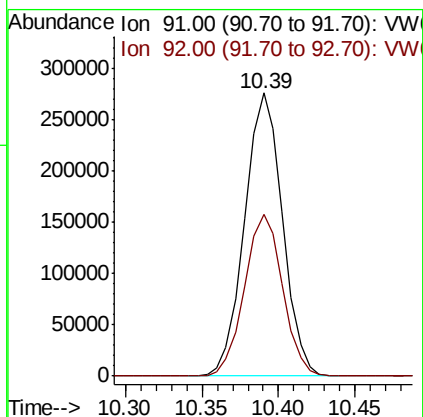
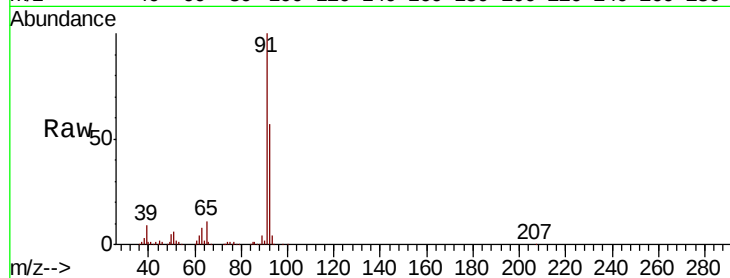
BFB92

Tgt Ion: 91 Resp: 475161

Ion Ratio Lower Upper

91 100

92 57.0 40.4 75.0



#45

trans-1,3-Dichloropropene

Concen: 23.921 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW006310.D

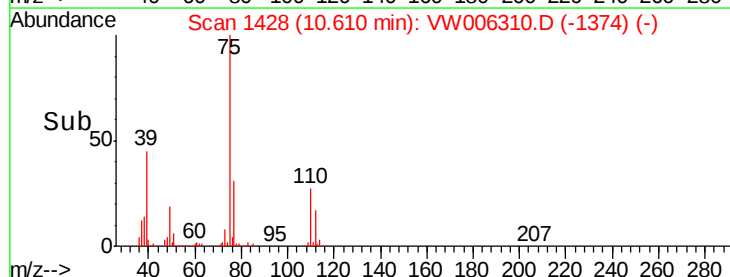
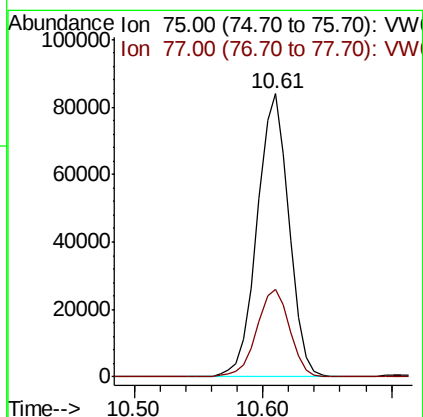
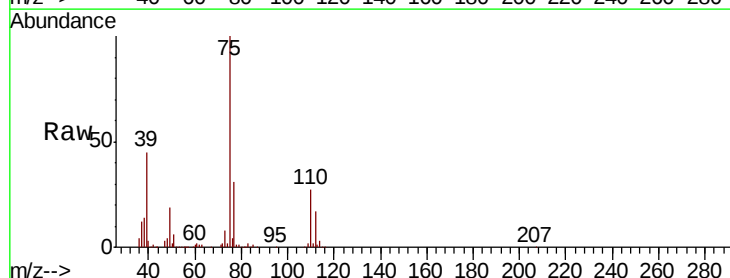
Acq: 24 Oct 2018 10:11

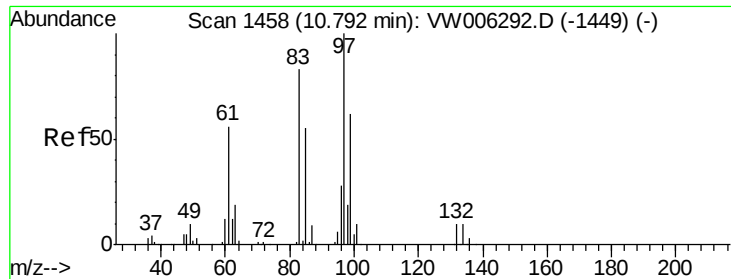
Tgt Ion: 75 Resp: 142771

Ion Ratio Lower Upper

75 100

77 30.9 22.4 41.6

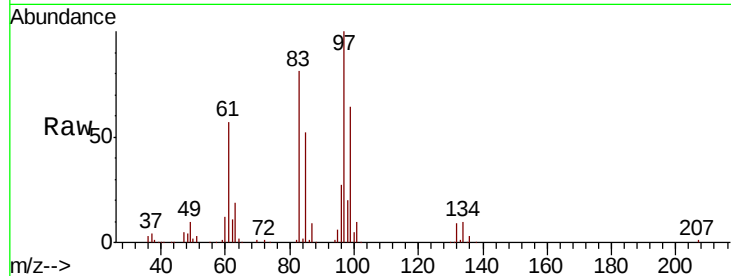




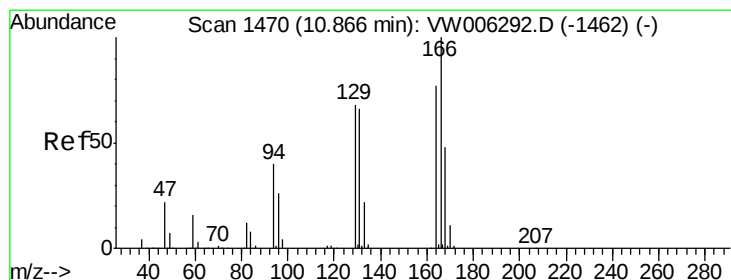
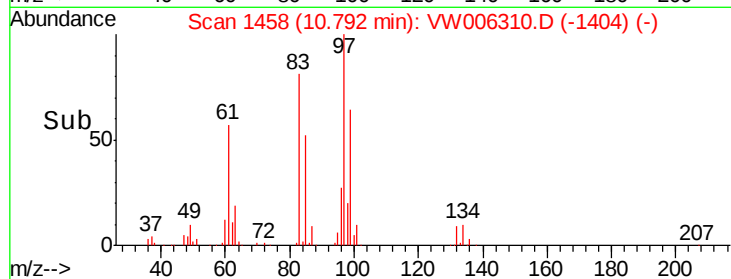
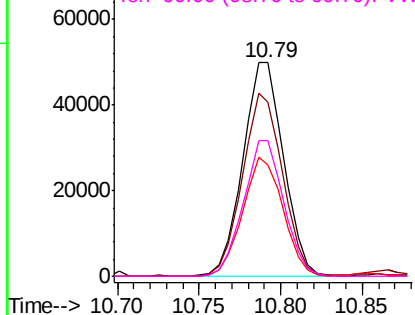
#46
 1,1,2-Trichloroethane
 Concen: 24.951 ug/L
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW006310.D
 Acq: 24 Oct 2018 10:11

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB92

Tgt Ion:	97	Resp:	86923
Ion	Ratio	Lower	Upper
97	100		
83	81.2	60.0	111.4
85	52.2	38.7	71.9
99	63.6	44.3	82.3

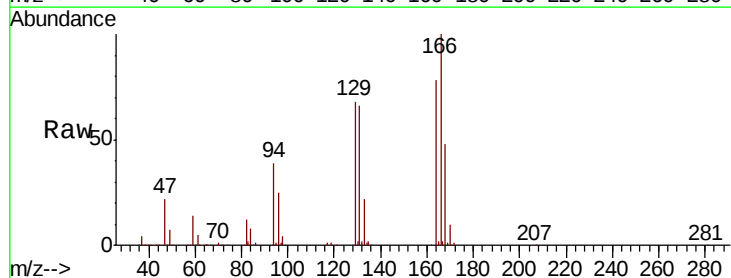


Abundance Ion 97.00 (96.70 to 97.70): VW
 Ion 83.00 (82.70 to 83.70): VW
 Ion 85.00 (84.70 to 85.70): VW
 Ion 99.00 (98.70 to 99.70): VW

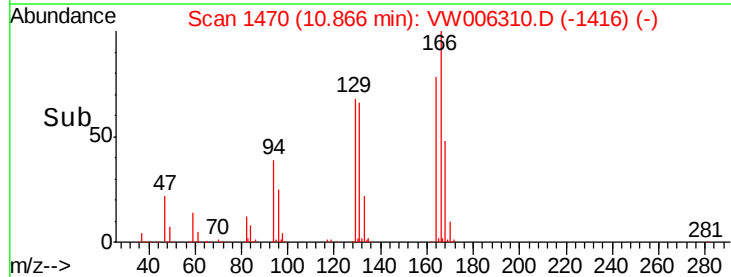
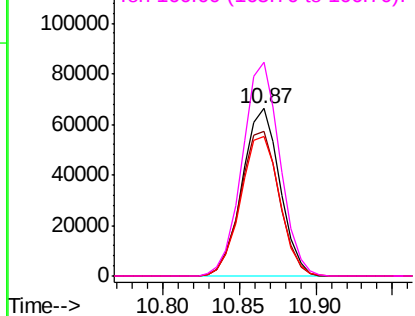


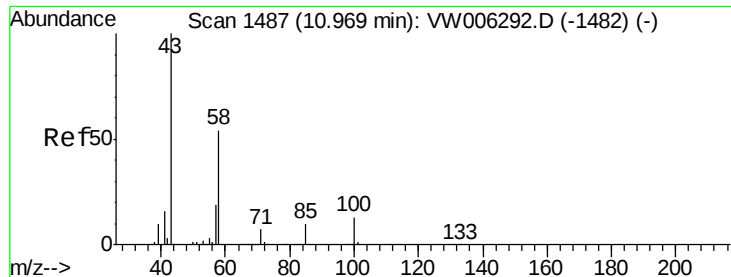
#47
 Tetrachloroethene
 Concen: 25.906 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. -0.00 min
 Lab File: VW006310.D
 Acq: 24 Oct 2018 10:11

Tgt Ion:	164	Resp:	113786
Ion	Ratio	Lower	Upper
164	100		
129	86.8	65.4	121.4
131	83.8	63.8	118.4
166	127.7	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

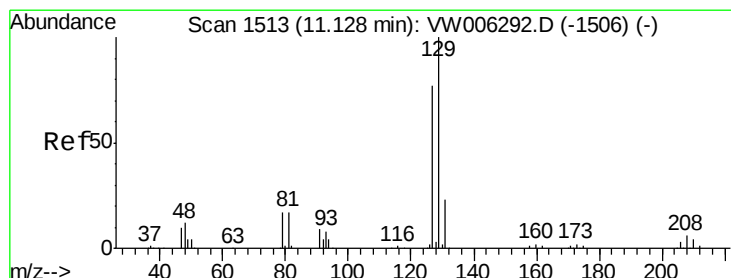
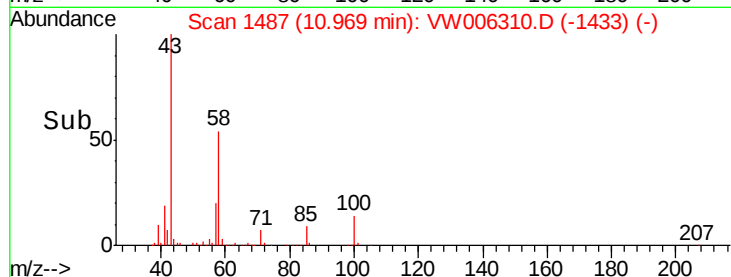
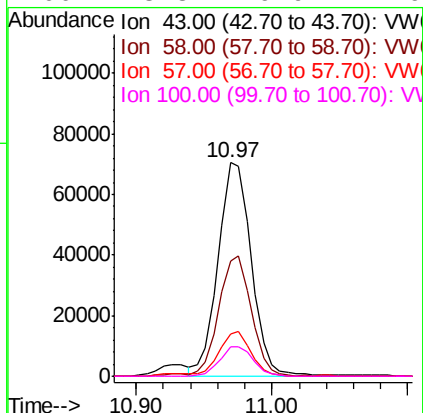
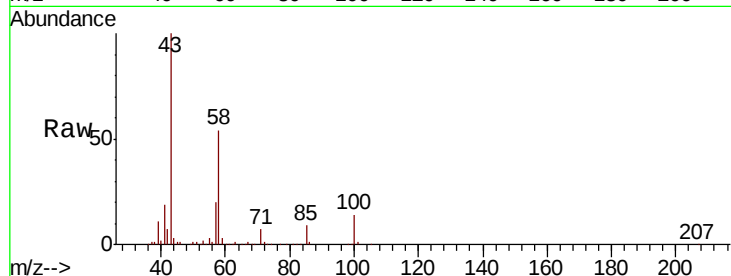




#49
2-Hexanone
Concen: 48.618 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW006310.D
Acq: 24 Oct 2018 10:11

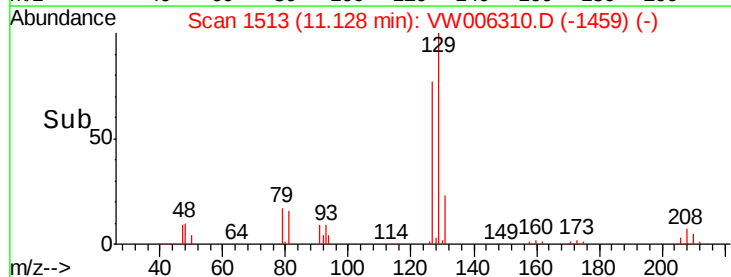
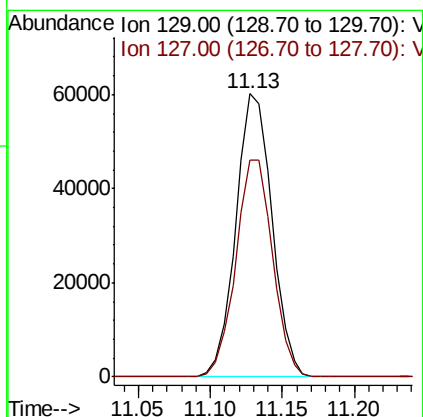
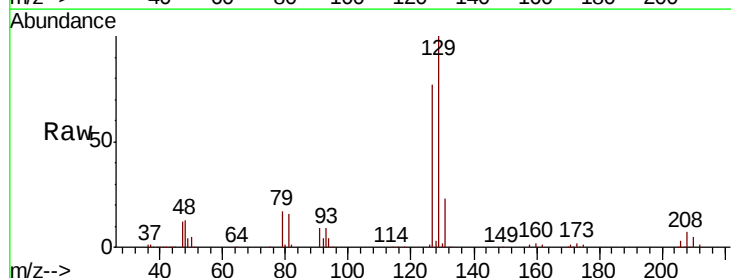
Instrument :
MSVOA_W
ClientSampled :
BFB92

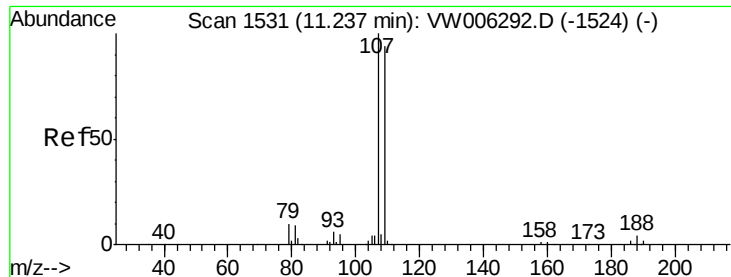
Tgt Ion: 43 Resp: 120112
Ion Ratio Lower Upper
43 100
58 54.4 42.1 63.1
57 19.8 15.1 22.7
100 13.8 9.9 14.9



#50
Dibromochloromethane
Concen: 23.536 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW006310.D
Acq: 24 Oct 2018 10:11

Tgt Ion: 129 Resp: 105093
Ion Ratio Lower Upper
129 100
127 76.8 54.4 101.0

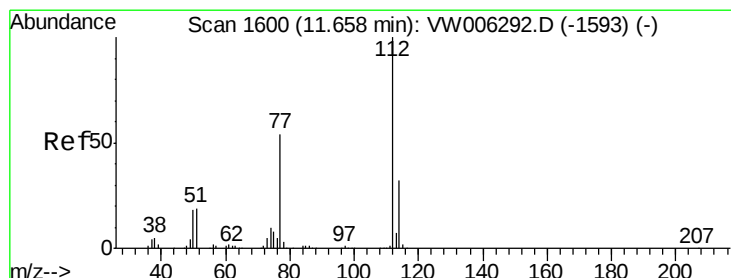
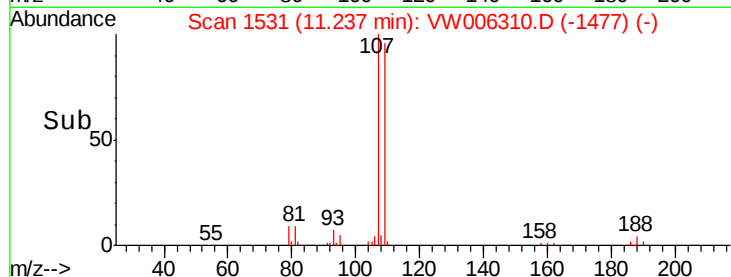
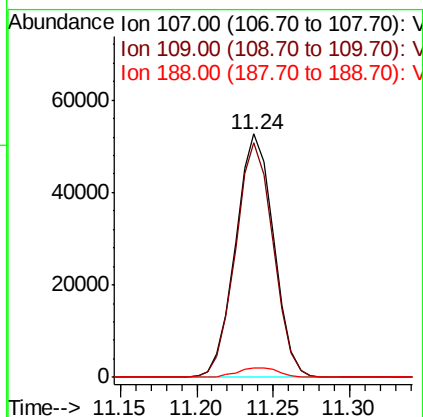
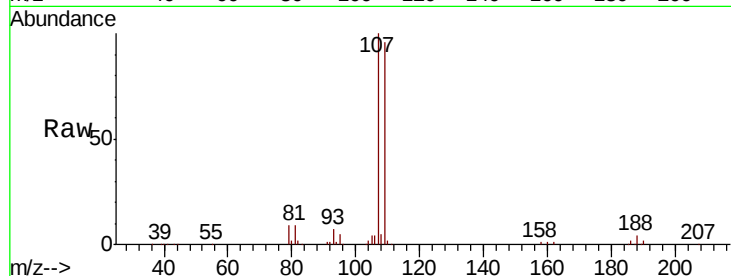




#51
1,2-Dibromoethane
Concen: 25.039 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW006310.D
Acq: 24 Oct 2018 10:11

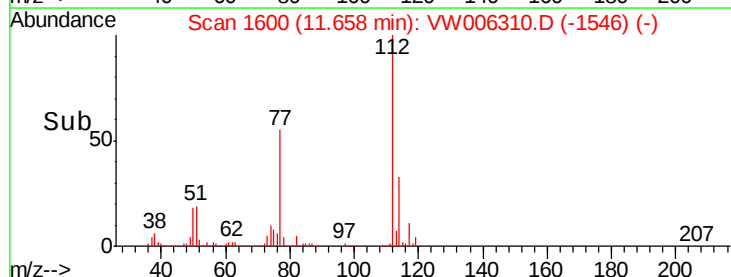
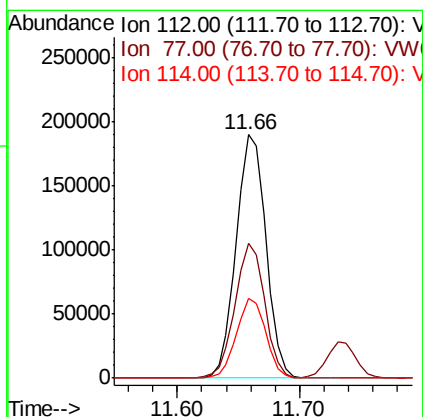
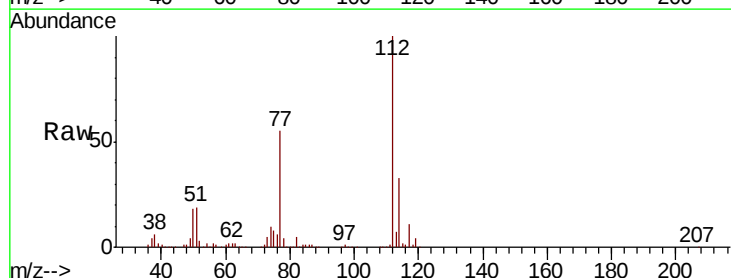
Instrument :
MSVOA_W
ClientSampleId :
BFB92

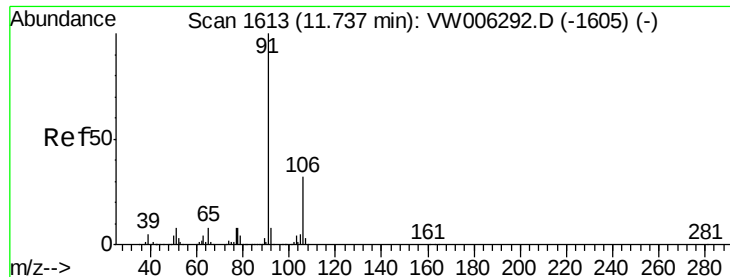
Tgt Ion:107 Resp: 90798
Ion Ratio Lower Upper
107 100
109 96.4 66.6 123.8
188 3.8 3.4 5.0



#52
Chlorobenzene
Concen: 25.007 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW006310.D
Acq: 24 Oct 2018 10:11

Tgt Ion:112 Resp: 320448
Ion Ratio Lower Upper
112 100
77 55.5 44.2 66.2
114 32.8 22.1 41.1

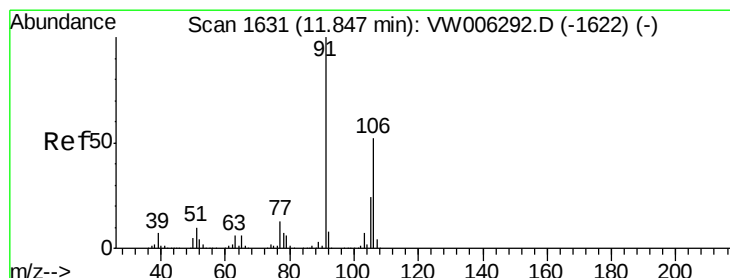
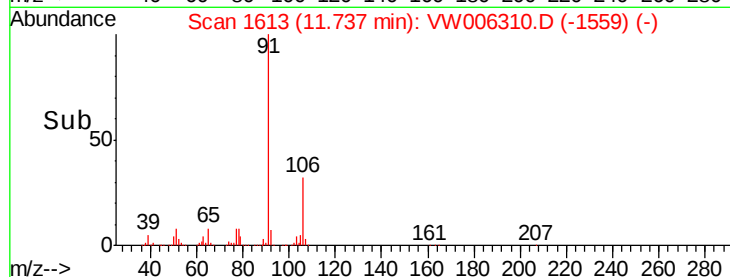
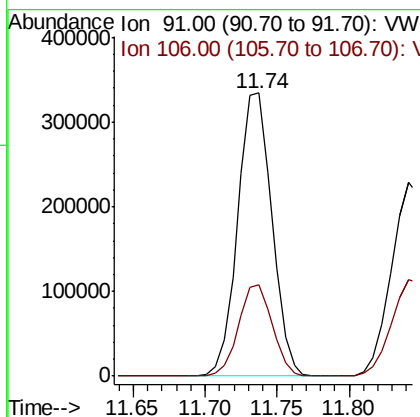
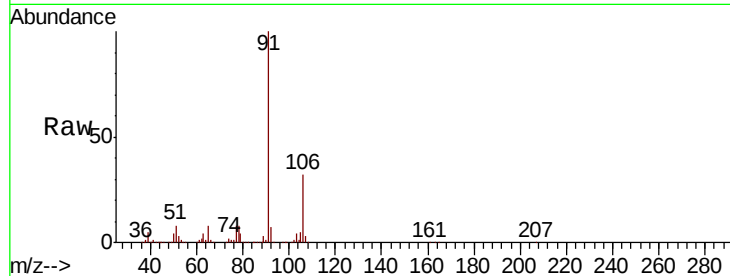




#53
Ethylbenzene
Concen: 25.085 ug/L
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW006310.D
Acq: 24 Oct 2018 10:11

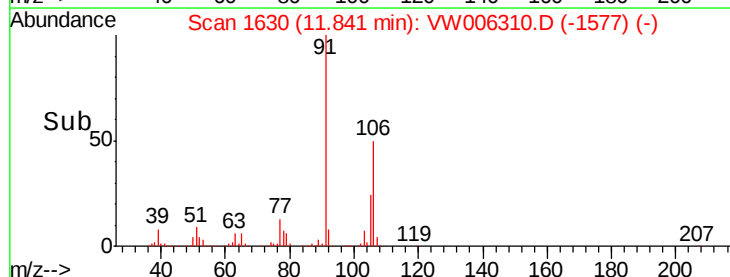
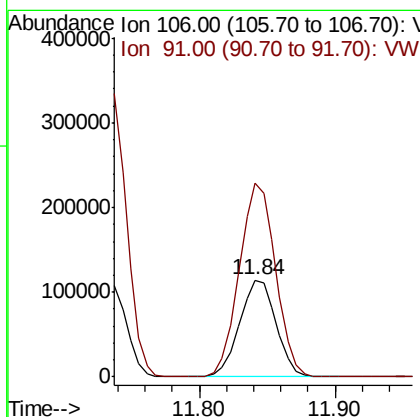
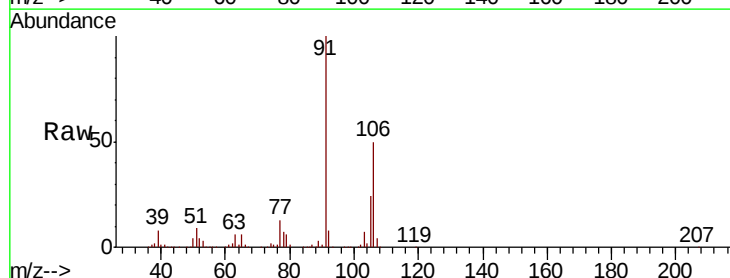
Instrument :
MSVOA_W
ClientSampleId :
BFB92

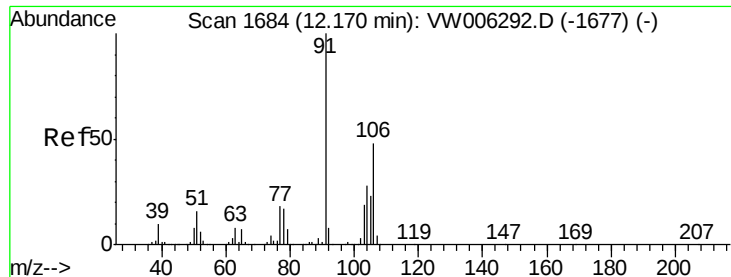
Tgt Ion: 91 Resp: 553008
Ion Ratio Lower Upper
91 100
106 32.2 22.6 42.0



#54
m,p-Xylene
Concen: 24.742 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006310.D
Acq: 24 Oct 2018 10:11

Tgt Ion: 106 Resp: 213802
Ion Ratio Lower Upper
106 100
91 199.0 138.4 257.0





#55

o-xylene

Concen: 24.925 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW006310.D

Acq: 24 Oct 2018 10:11

Instrument :

MSVOA_W

ClientSampled :

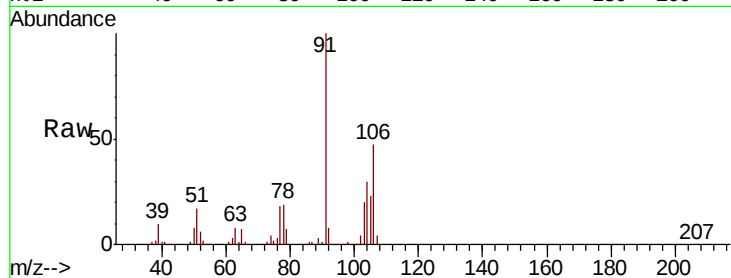
BFB92

Tgt Ion:106 Resp: 205649

Ion Ratio Lower Upper

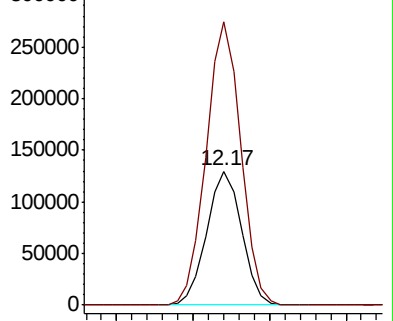
106 100

91 211.6 148.7 276.1

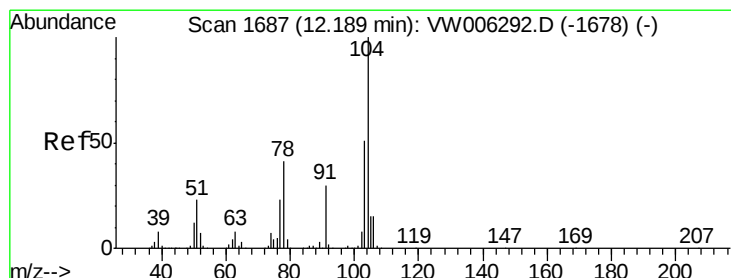
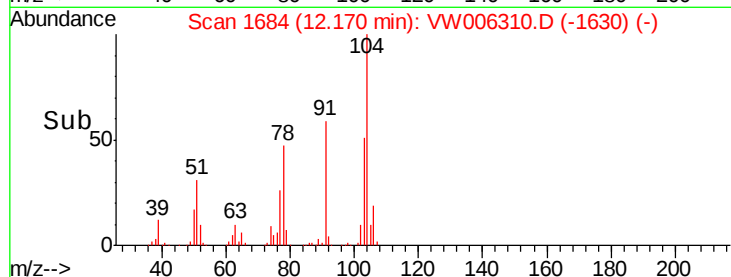


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



Time-->



#56

Styrene

Concen: 24.697 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. -0.01 min

Lab File: VW006310.D

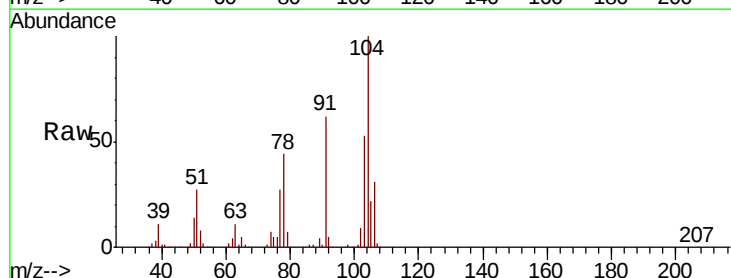
Acq: 24 Oct 2018 10:11

Tgt Ion:104 Resp: 350898

Ion Ratio Lower Upper

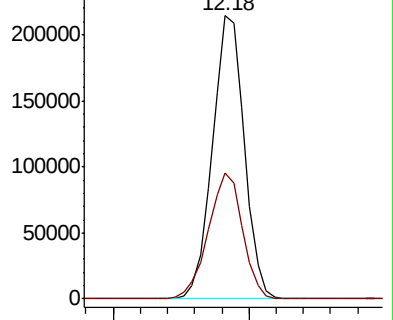
104 100

78 44.4 31.2 58.0

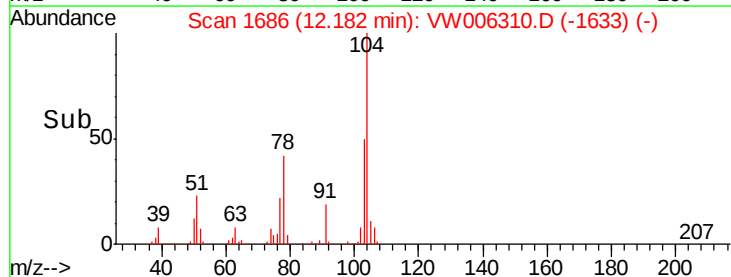


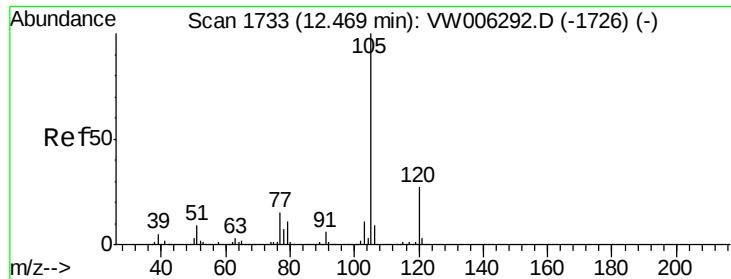
Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW



Time-->





#57

Isopropylbenzene

Concen: 25.135 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006310.D

Acq: 24 Oct 2018 10:11

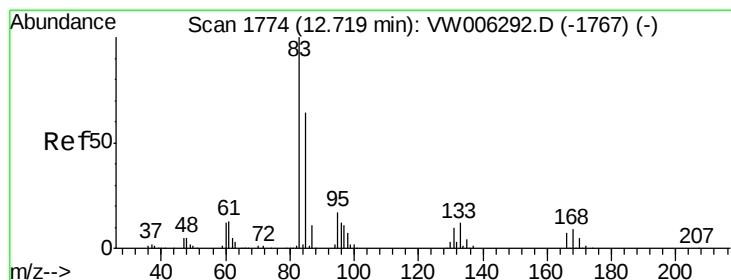
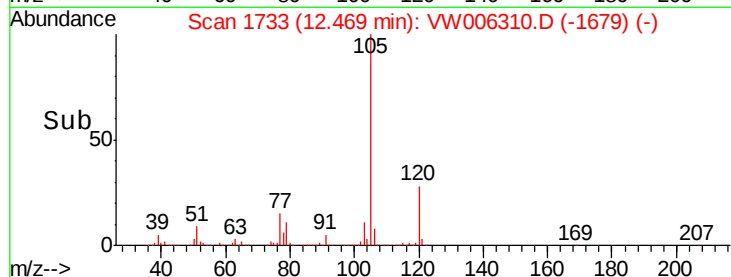
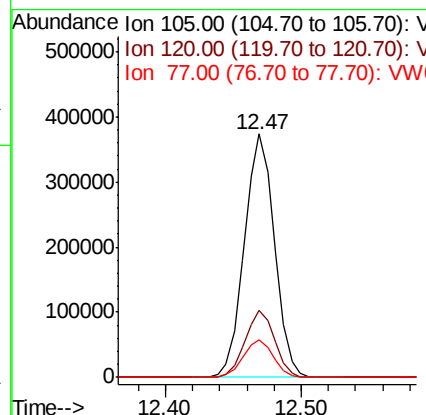
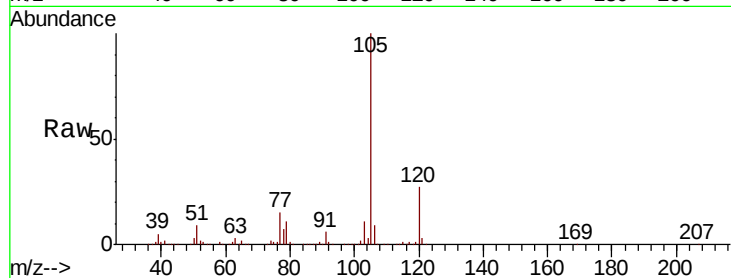
Instrument :

MSVOA_W

ClientSampleId :

BFB92

Tgt Ion:	105	Resp:	577025
Ion	Ratio	Lower	Upper
105	100		
120	27.0	21.8	32.6
77	15.2	12.2	18.2



#58

1,1,2,2-Tetrachloroethane

Concen: 26.038 ug/L

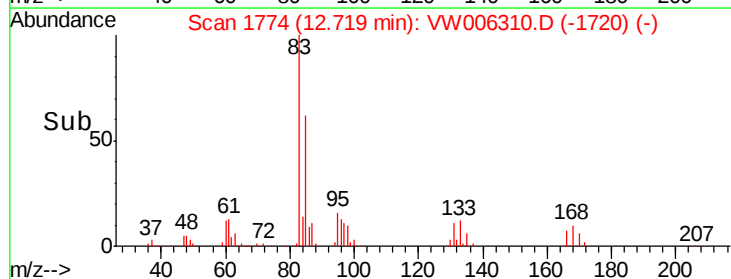
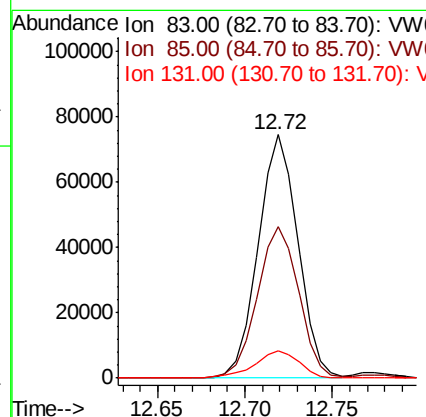
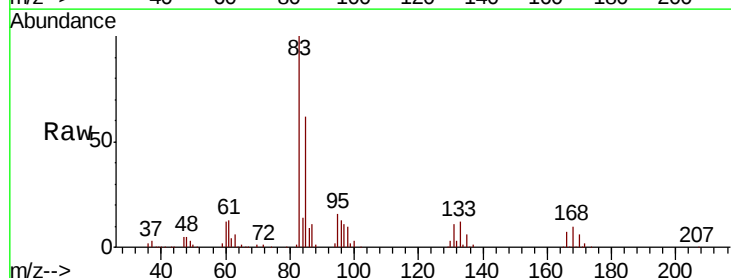
RT: 12.72 min Scan# 1774

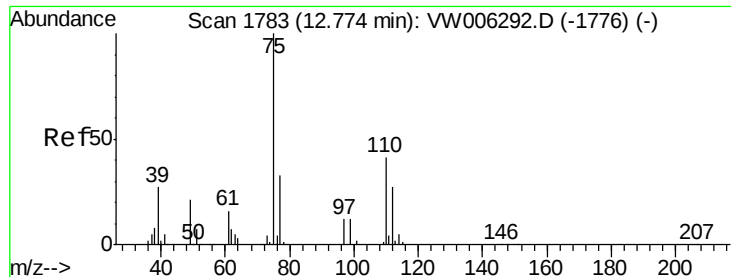
Delta R.T. 0.00 min

Lab File: VW006310.D

Acq: 24 Oct 2018 10:11

Tgt Ion:	83	Resp:	117877
Ion	Ratio	Lower	Upper
83	100		
85	62.1	44.8	83.2
131	11.1	9.0	13.4





#59

1,2,3-Trichloropropane

Concen: 25.804 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW006310.D

Acq: 24 Oct 2018 10:11

Instrument :

MSVOA_W

ClientSampleId :

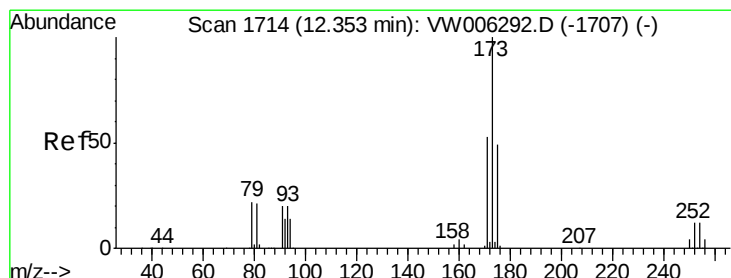
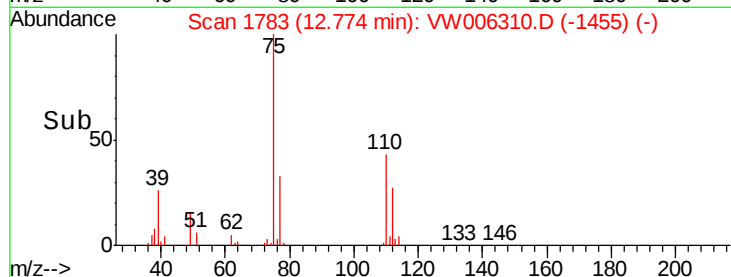
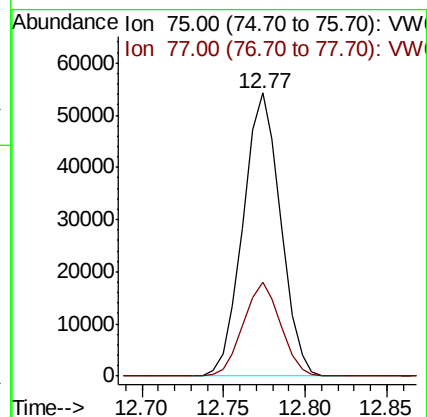
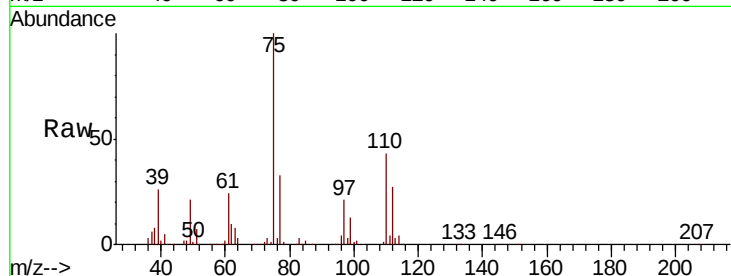
BFB92

Tgt Ion: 75 Resp: 87158

Ion Ratio Lower Upper

75 100

77 33.0 25.9 38.9



#62

Bromoform

Concen: 23.361 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006310.D

Acq: 24 Oct 2018 10:11

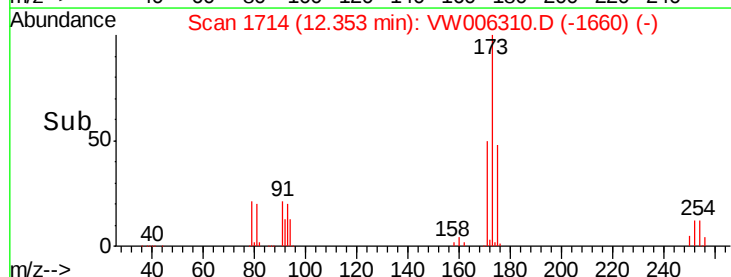
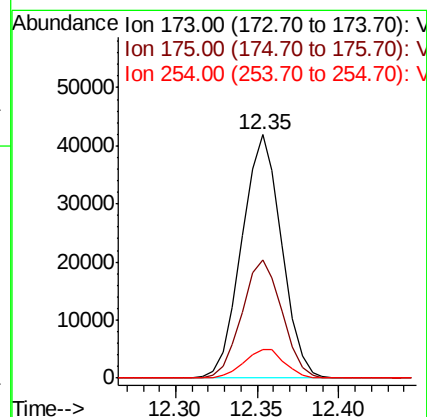
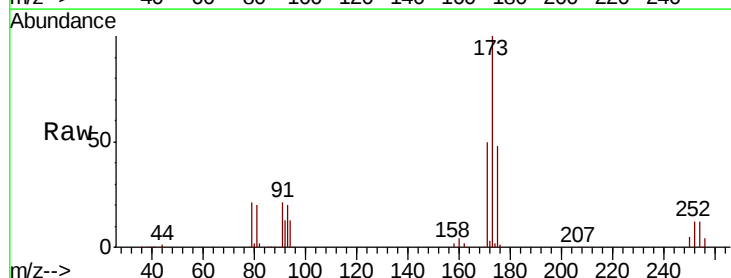
Tgt Ion: 173 Resp: 71129

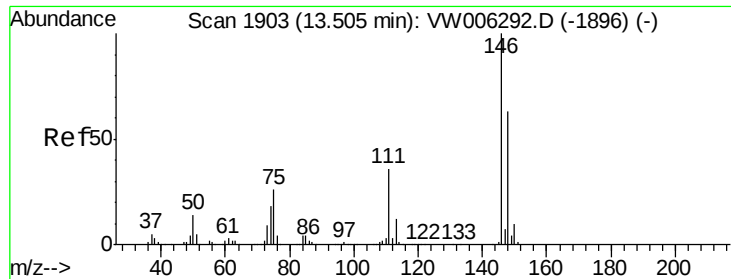
Ion Ratio Lower Upper

173 100

175 48.6 39.1 58.7

254 12.1 9.2 13.8

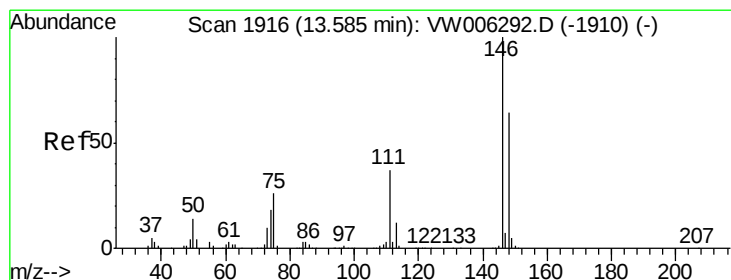
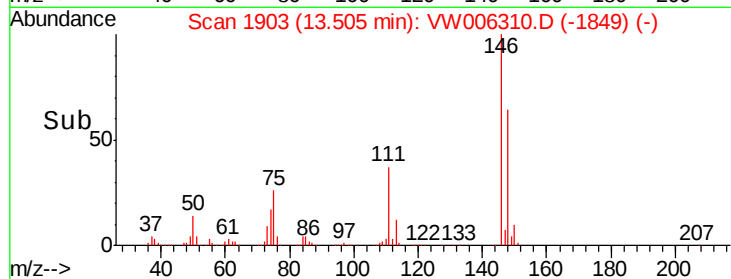
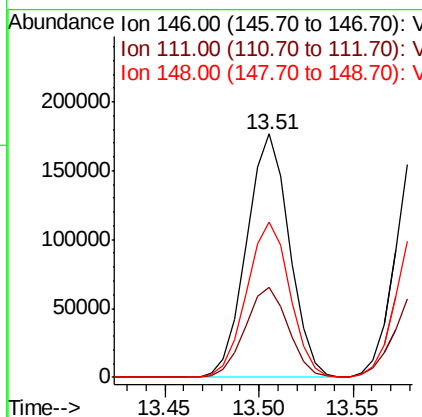
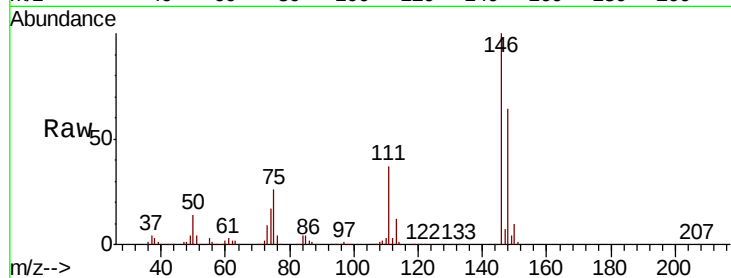




#63
 1,3-Dichlorobenzene
 Concen: 24.978 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006310.D
 Acq: 24 Oct 2018 10:11

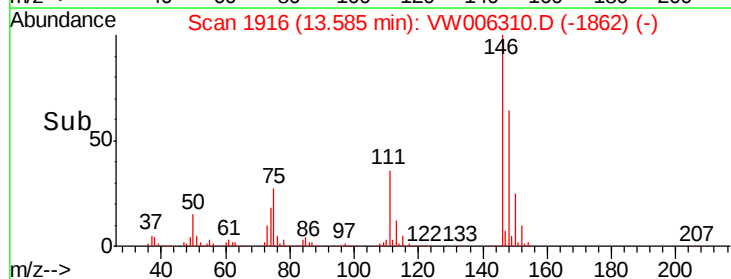
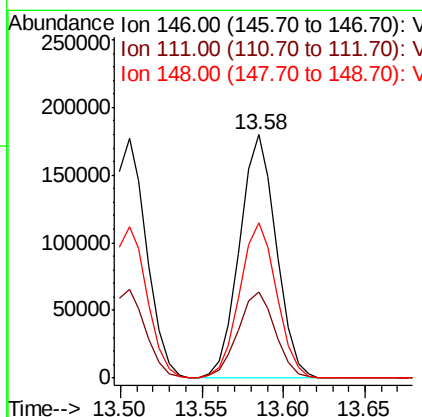
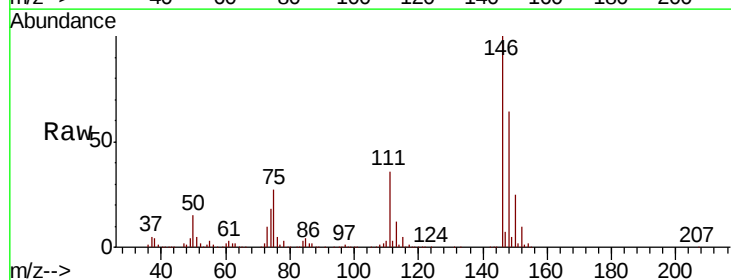
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB92

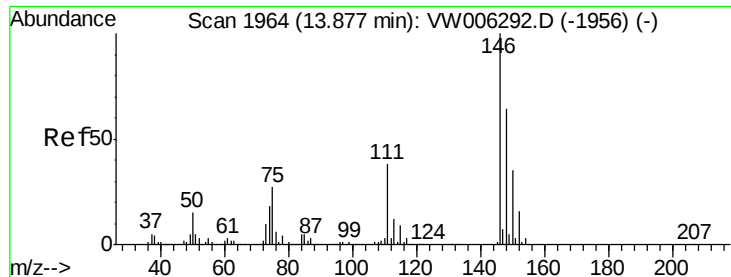
Tgt Ion:146 Resp: 278730
 Ion Ratio Lower Upper
 146 100
 111 36.8 26.3 48.9
 148 63.6 44.7 82.9



#64
 1,4-Dichlorobenzene
 Concen: 25.036 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006310.D
 Acq: 24 Oct 2018 10:11

Tgt Ion:146 Resp: 281344
 Ion Ratio Lower Upper
 146 100
 111 35.6 24.7 45.9
 148 64.0 44.9 83.5

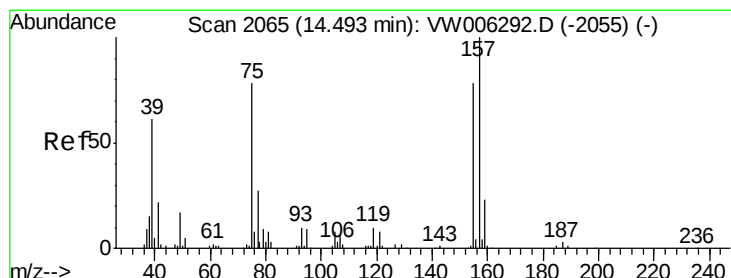
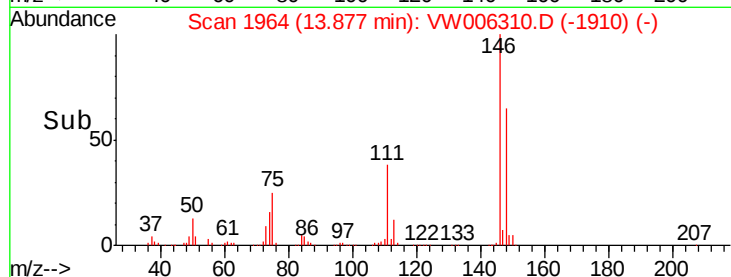
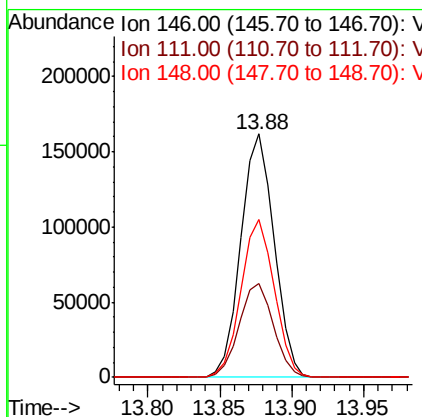
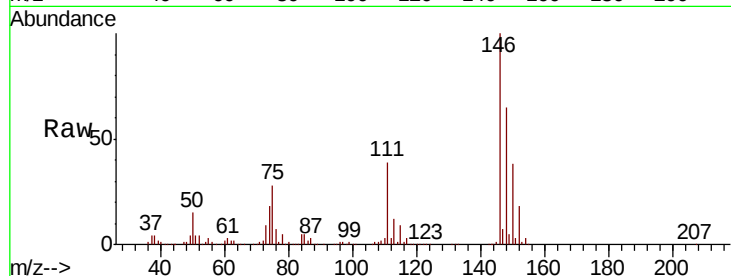




#65
 1,2-Dichlorobenzene
 Concen: 25.308 ug/L
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW006310.D
 Acq: 24 Oct 2018 10:11

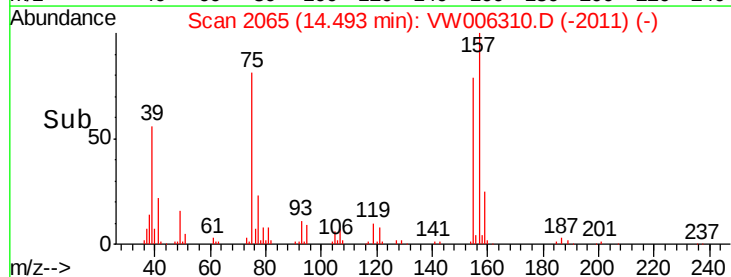
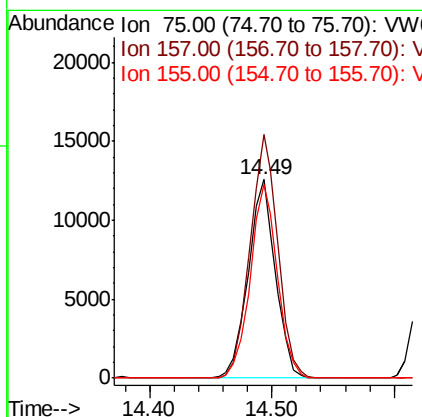
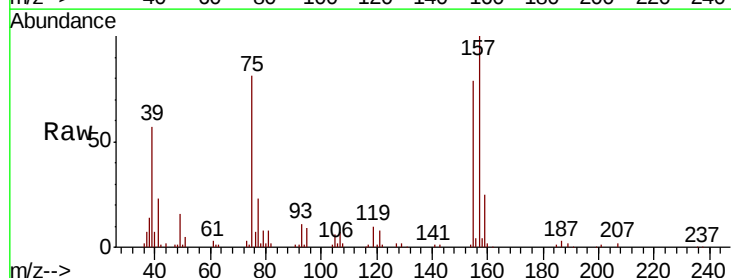
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB92

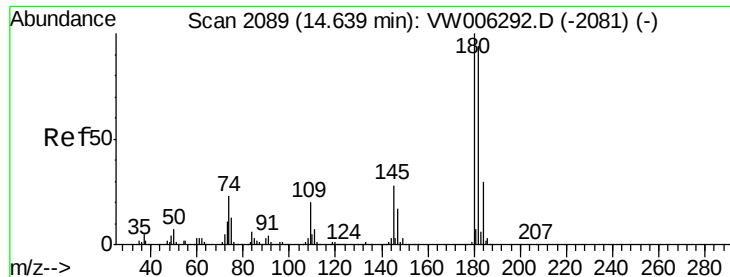
Tgt Ion:146 Resp: 259802
 Ion Ratio Lower Upper
 146 100
 111 38.6 31.1 46.7
 148 64.6 51.2 76.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 23.573 ug/L
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW006310.D
 Acq: 24 Oct 2018 10:11

Tgt Ion: 75 Resp: 19479
 Ion Ratio Lower Upper
 75 100
 157 122.7 106.8 160.2
 155 97.4 79.2 118.8





#67

1,3,5-Trichlorobenzene

Concen: 25.556 ug/L

RT: 14.63 min Scan# 2088

Delta R.T. -0.01 min

Lab File: VW006310.D

Acq: 24 Oct 2018 10:11

Instrument :

MSVOA_W

ClientSampleId :

BFB92

Tgt Ion:180 Resp: 229881

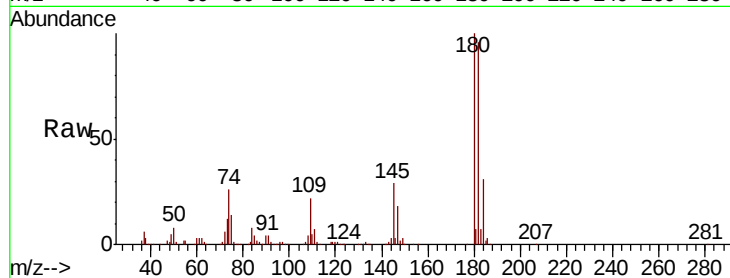
Ion Ratio Lower Upper

180 100

182 95.3 76.0 114.0

184 30.8 24.3 36.5

145 27.4 22.6 33.8

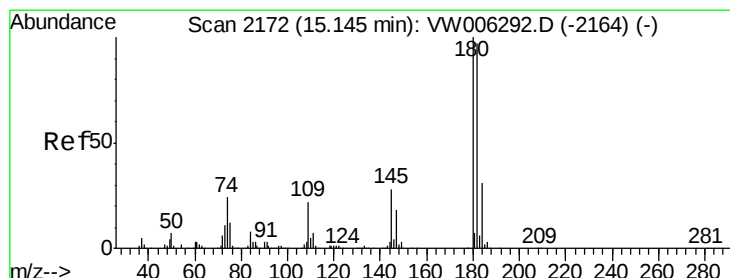
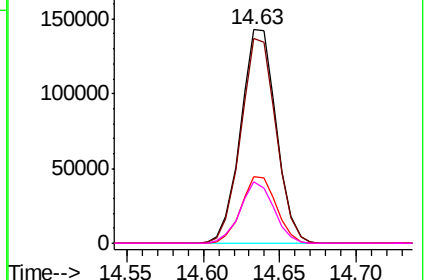
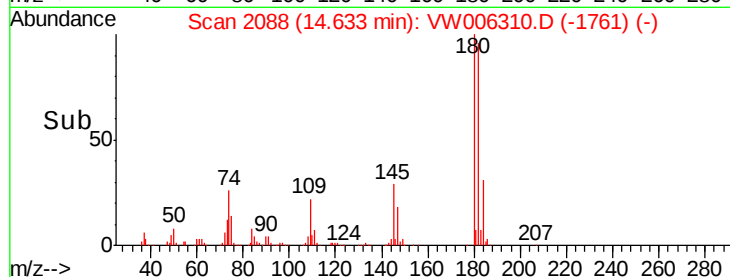


Abundance Ion 180.00 (179.70 to 180.70): V

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: 25.400 ug/L

RT: 15.14 min Scan# 2171

Delta R.T. -0.01 min

Lab File: VW006310.D

Acq: 24 Oct 2018 10:11

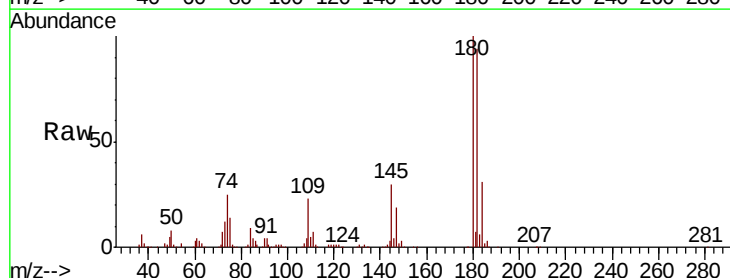
Tgt Ion:180 Resp: 194822

Ion Ratio Lower Upper

180 100

182 95.1 76.2 114.2

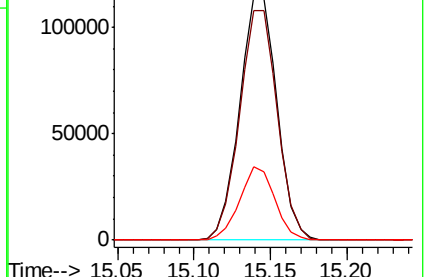
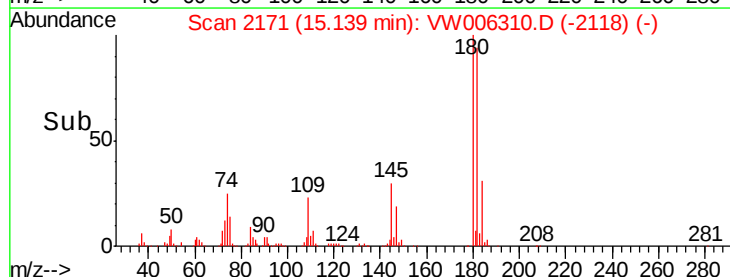
145 28.5 23.0 34.6

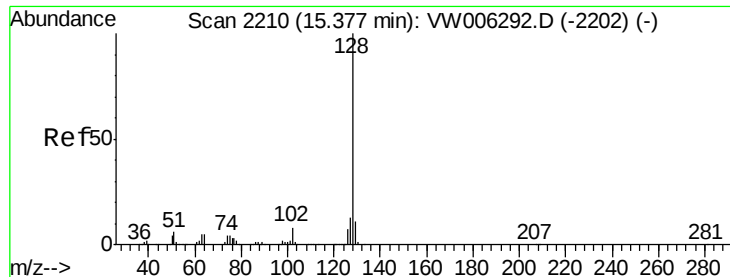


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 25.127 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW006310.D

Acq: 24 Oct 2018 10:11

Instrument :

MSVOA_W

ClientSampleId :

BFB92

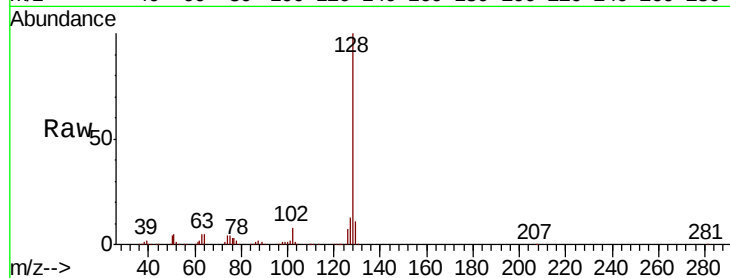
Tgt Ion:128 Resp: 390210

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

127 13.0 10.5 15.7

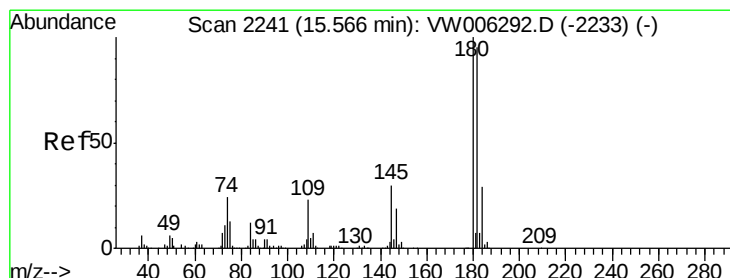
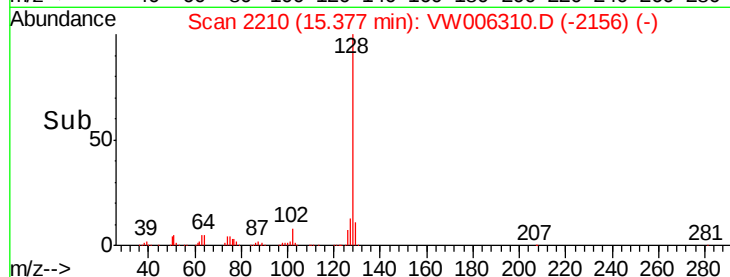
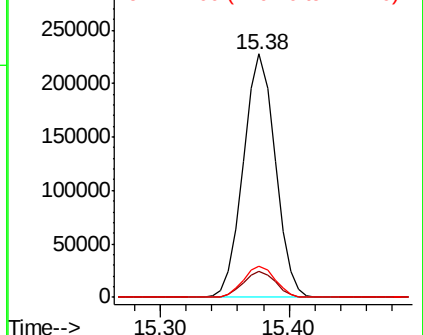


Abundance

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: 25.581 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW006310.D

Acq: 24 Oct 2018 10:11

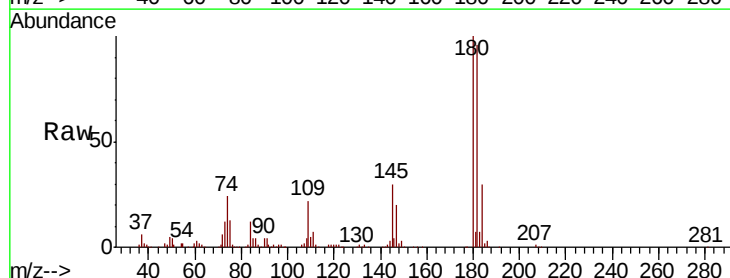
Tgt Ion:180 Resp: 176272

Ion Ratio Lower Upper

180 100

182 97.0 75.5 113.3

145 30.1 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

