

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062518\
 Data File : VW003567.D
 Acq On : 26 Jun 2018 02:03
 Operator : SY/AP
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB90

Quant Time: Jun 26 04:22:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM062018S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 26 03:05:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	267757	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	248752	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	128856	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	75635	20.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.32%
7) Chloroethane-d5	2.89	69	66134	21.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.32%
10) 1,1-Dichloroethene-d2	4.02	63	162641	22.56	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.24%
20) 2-Butanone-d5	7.09	46	77274	67.53	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	135.06%#
24) Chloroform-d	7.65	84	168386	23.91	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.64%
26) 1,2-Dichloroethane-d4	8.31	65	100272	23.96	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.84%
29) Benzene-d6	8.27	84	303597	23.00	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.00%
33) 1,2-Dichloropropane-d6	9.28	67	99545	23.83	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.32%
37) Toluene-d8	10.33	98	286996	22.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.96%
38) trans-1,3-Dichloropropene-	10.58	79	43531	22.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.76%
39) 2-Hexanone-d5	10.93	63	58412	68.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	136.80%#
48) 1,1,2,2-Tetrachloroethane-	12.70	84	109946	28.28	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	113.12%
61) 1,2-Dichlorobenzene-d4	13.87	152	112922	23.20	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	52669	35.813	ug/L #	84
3) Chloromethane	2.21	50	84465	26.735	ug/L	98
5) Vinyl chloride	2.36	62	122981	26.897	ug/L	97
6) Bromomethane	2.78	94	66234	24.896	ug/L	100
8) Chloroethane	2.93	64	72396	25.985	ug/L	97
9) Trichlorofluoromethane	3.25	101	69748	26.595	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	98353	27.775	ug/L	100
12) 1,1-Dichloroethene	4.03	96	87699	26.202	ug/L	96
13) Acetone	4.15	43	65744	53.902	ug/L	100
14) Carbon disulfide	4.37	76	270793	25.077	ug/L	99
15) Methyl Acetate	4.68	43	63498	31.762	ug/L	97
16) Methylene chloride	4.91	84	94647	25.654	ug/L	96
17) Methyl tert-butyl Ether	5.43	73	169173	27.395	ug/L	100
18) trans-1,2-Dichloroethene	5.42	96	91439	26.220	ug/L	96
19) 1,1-Dichloroethane	6.21	63	174341	26.788	ug/L	99
21) 2-Butanone	7.19	43	85289	59.506	ug/L	99
22) cis-1,2-Dichloroethene	7.17	96	97857	26.403	ug/L	96

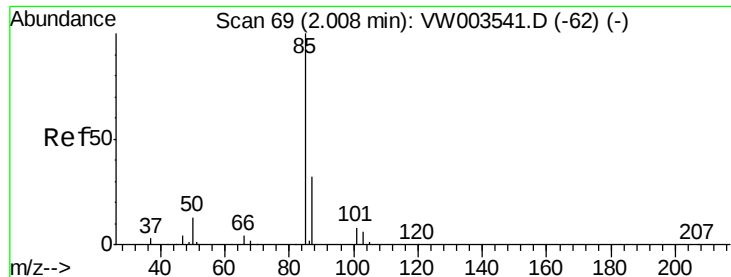
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW062518\
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 Quant Title : VOC Analysis
 QLast Update : Tue Jun 26 03:05:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	44599	26.013	ug/L	96
25) Chloroform	7.68	83	178961	26.747	ug/L	99
27) 1,2-Dichloroethane	8.40	62	132061	27.255	ug/L	99
30) Cyclohexane	7.96	56	166640	29.016	ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	150934	27.618	ug/L	99
32) Carbon tetrachloride	8.07	117	145236	27.508	ug/L	99
34) Benzene	8.32	78	389441	27.455	ug/L	100
35) Trichloroethene	9.09	95	102007	26.681	ug/L	99
36) Methylcyclohexane	9.34	83	186033	28.503	ug/L	99
40) 1,2-Dichloropropane	9.37	63	102186	27.375	ug/L	99
41) Bromodichloromethane	9.65	83	128259	26.732	ug/L	99
42) cis-1,3-Dichloropropene	10.08	75	146277	26.257	ug/L	99
43) 4-Methyl-2-pentanone	10.22	43	173875	65.200	ug/L	100
44) Toluene	10.39	91	425238	27.642	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	137839	27.343	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	77500	27.810	ug/L	98
47) Tetrachloroethene	10.87	164	84808	26.397	ug/L	98
49) 2-Hexanone	10.98	43	131766	66.304	ug/L	99
50) Dibromochloromethane	11.13	129	91340	26.924	ug/L	99
51) 1,2-Dibromoethane	11.24	107	77124	27.851	ug/L	98
52) Chlorobenzene	11.66	112	266342	26.661	ug/L	99
53) Ethylbenzene	11.74	91	482648	27.971	ug/L	99
54) m,p-Xylene	11.85	106	179699	28.040	ug/L	98
55) o-xylene	12.17	106	167285	27.442	ug/L	99
56) Styrene	12.19	104	297295	28.248	ug/L	100
57) Isopropylbenzene	12.47	105	485532	28.707	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.72	83	109340	29.763	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	86139	30.595	ug/L	98
62) Bromoform	12.35	173	58270	26.870	ug/L	98
63) 1,3-Dichlorobenzene	13.51	146	204810	25.850	ug/L	100
64) 1,4-Dichlorobenzene	13.58	146	215434	25.935	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	199919	26.429	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.49	75	20705	31.190	ug/L	92
67) 1,3,5-Trichlorobenzene	14.64	180	160465	26.064	ug/L	99
68) 1,2,4-trichlorobenzene	15.15	180	129695	25.877	ug/L	98
69) Naphthalene	15.38	128	285463	30.441	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	127662	27.792	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 35.813 ug/L

RT: 2.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VW003567.D

Acq: 26 Jun 2018 02:03

Instrument :

MSVOA_W

ClientSampleId :

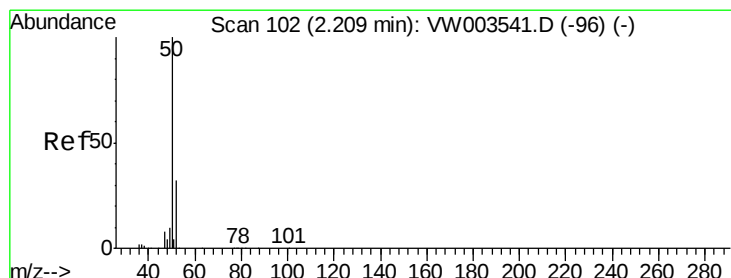
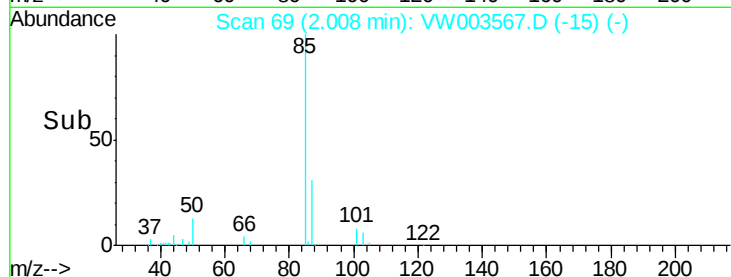
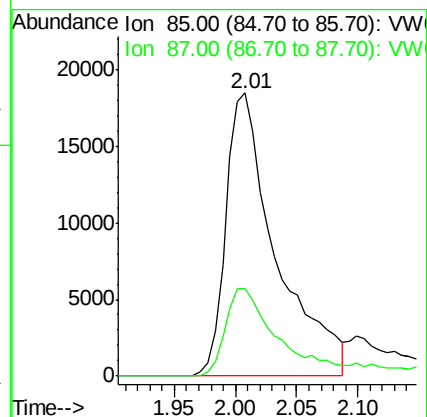
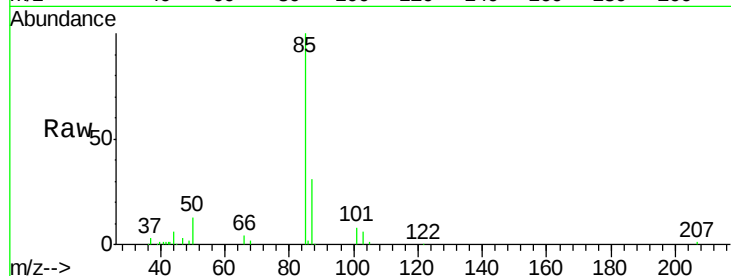
BFB90

Tgt Ion: 85 Resp: 52669

Ion Ratio Lower Upper

85 100

87 32.5 17.1 31.7#



#3

Chloromethane

Concen: 26.735 ug/L

RT: 2.21 min Scan# 102

Delta R.T. -0.00 min

Lab File: VW003567.D

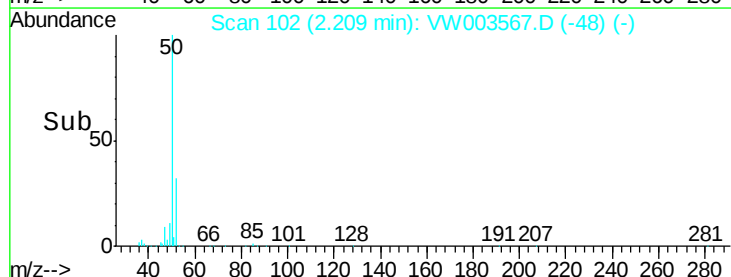
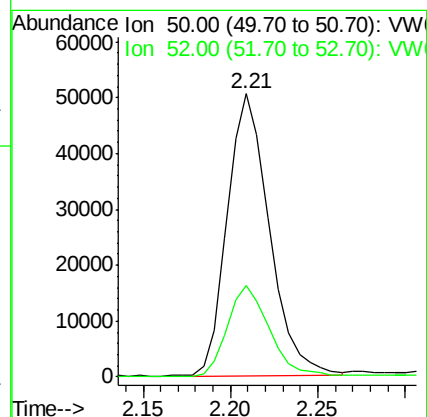
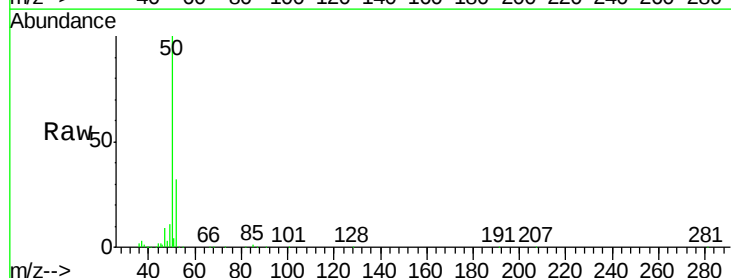
Acq: 26 Jun 2018 02:03

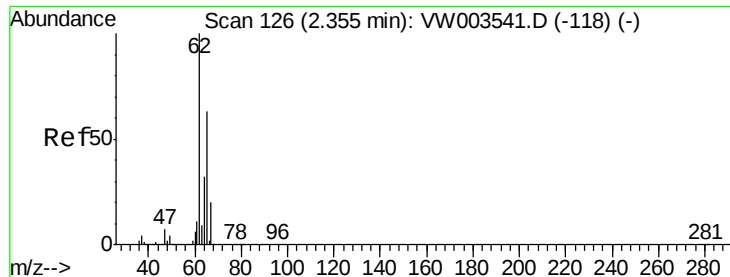
Tgt Ion: 50 Resp: 84465

Ion Ratio Lower Upper

50 100

52 32.2 23.3 43.3





#5

Vinyl chloride

Concen: 26.897 ug/L

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW003567.D

Acq: 26 Jun 2018 02:03

Instrument :

MSVOA_W

ClientSampleId :

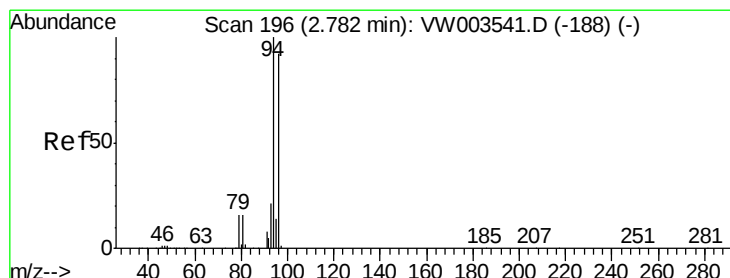
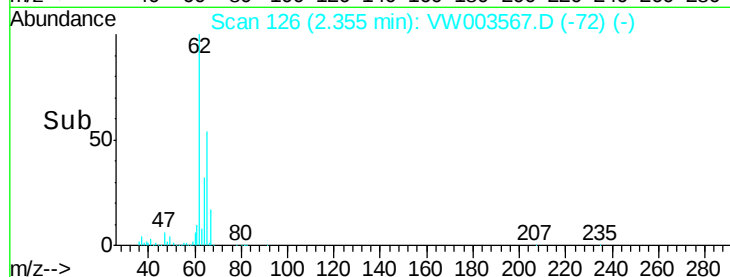
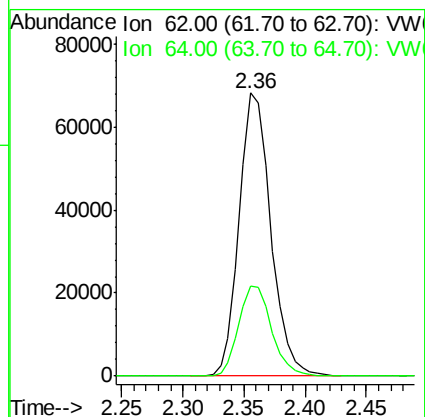
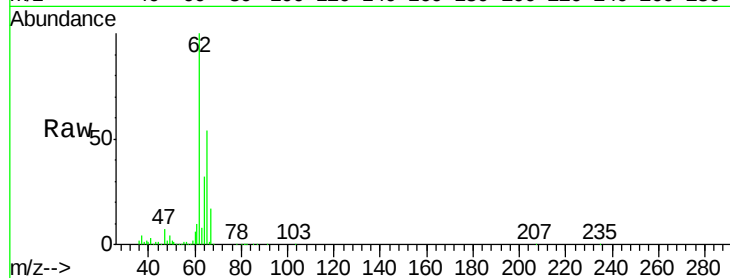
BFB90

Tgt Ion: 62 Resp: 122981

Ion Ratio Lower Upper

62 100

64 31.7 23.5 43.7



#6

Bromomethane

Concen: 24.896 ug/L

RT: 2.78 min Scan# 196

Delta R.T. -0.00 min

Lab File: VW003567.D

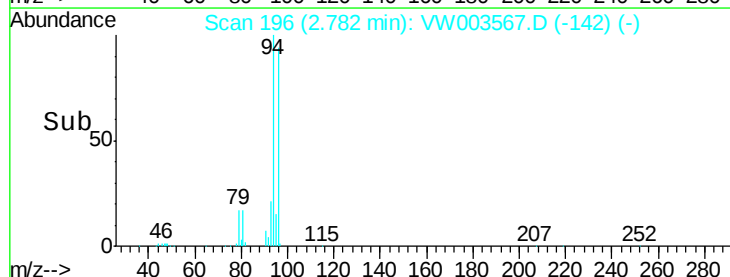
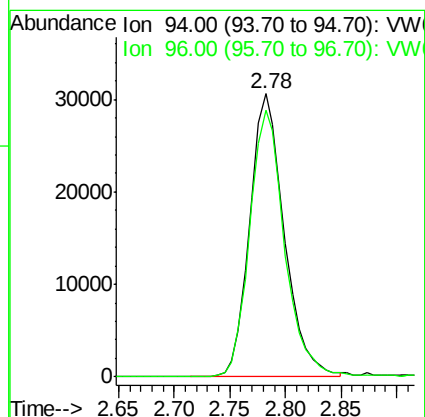
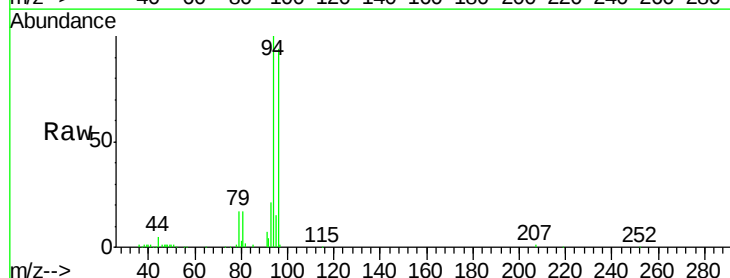
Acq: 26 Jun 2018 02:03

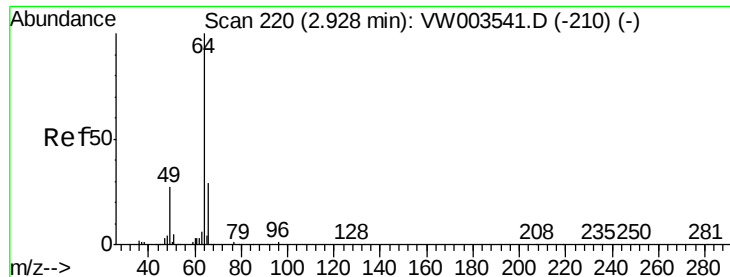
Tgt Ion: 94 Resp: 66234

Ion Ratio Lower Upper

94 100

96 94.9 9.5 180.3





#8

Chloroethane

Concen: 25.985 ug/L

RT: 2.93 min Scan# 220

Delta R.T. -0.00 min

Lab File: VW003567.D

Acq: 26 Jun 2018 02:03

Instrument :

MSVOA_W

ClientSampleId :

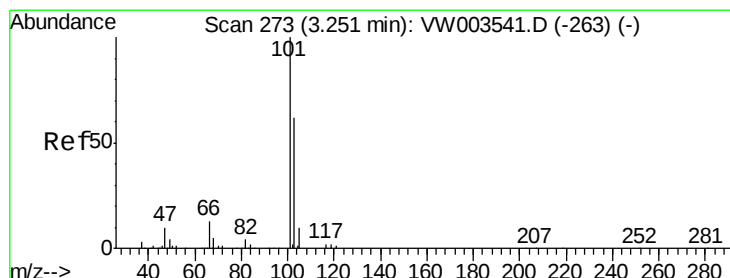
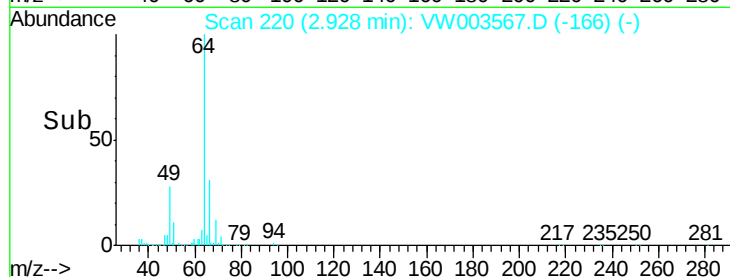
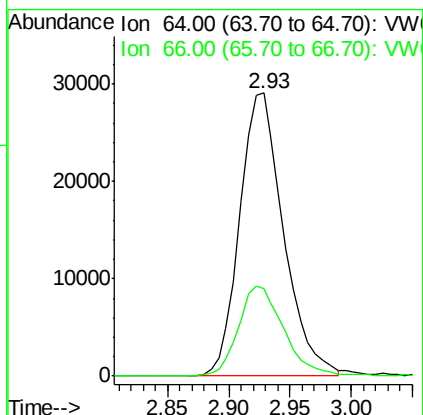
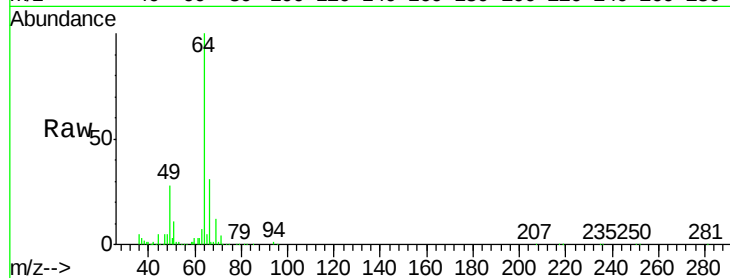
BFB90

Tgt Ion: 64 Resp: 72396

Ion Ratio Lower Upper

64 100

66 31.0 22.9 42.5



#9

Trichlorofluoromethane

Concen: 26.595 ug/L

RT: 3.25 min Scan# 273

Delta R.T. -0.00 min

Lab File: VW003567.D

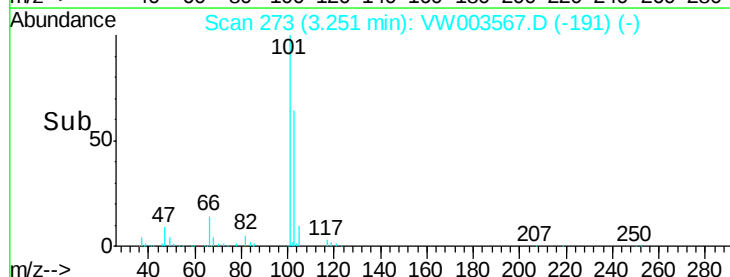
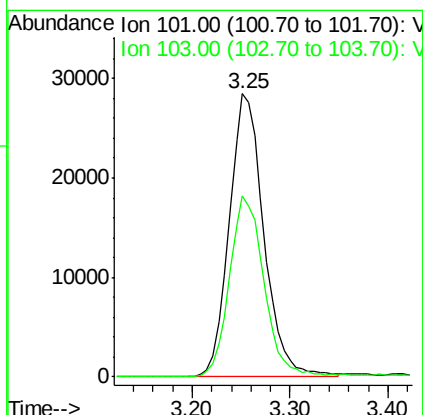
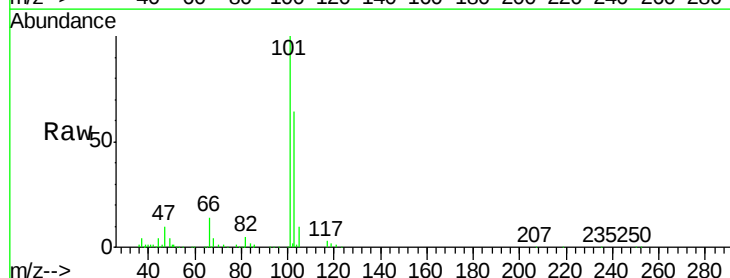
Acq: 26 Jun 2018 02:03

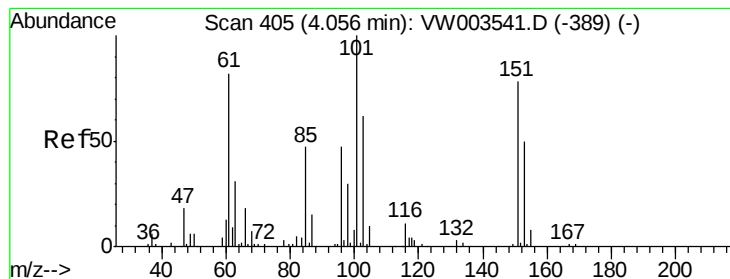
Tgt Ion: 101 Resp: 69748

Ion Ratio Lower Upper

101 100

103 63.8 45.1 83.7





#11

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

Concen: 27.775 ug/L

RT: 4.06 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW003567.D

Acq: 26 Jun 2018 02:03

Instrument :

MSVOA_W

ClientSampleId :

BFB90

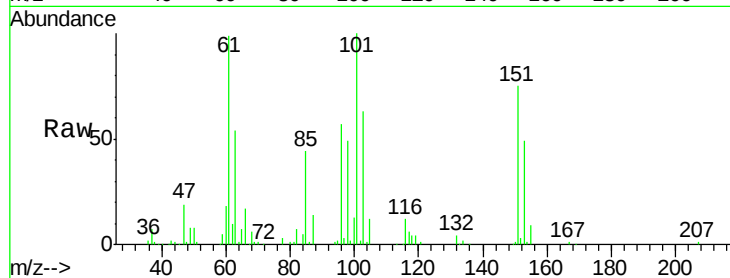
Tgt Ion:101 Resp: 98353

Ion Ratio Lower Upper

101 100

85 44.4 35.4 53.0

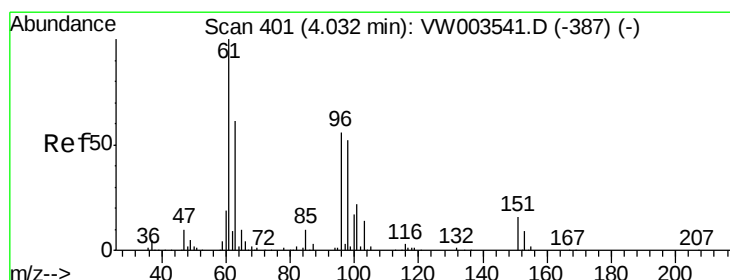
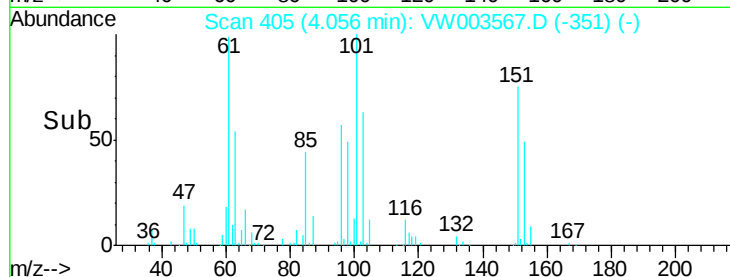
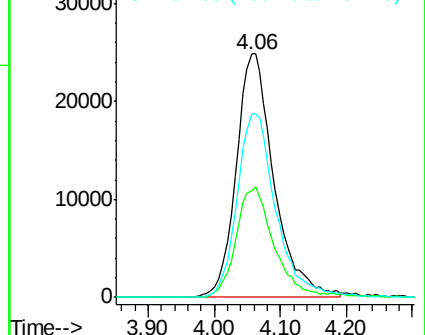
151 76.9 61.4 92.0



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: 26.202 ug/L

RT: 4.03 min Scan# 401

Delta R.T. -0.00 min

Lab File: VW003567.D

Acq: 26 Jun 2018 02:03

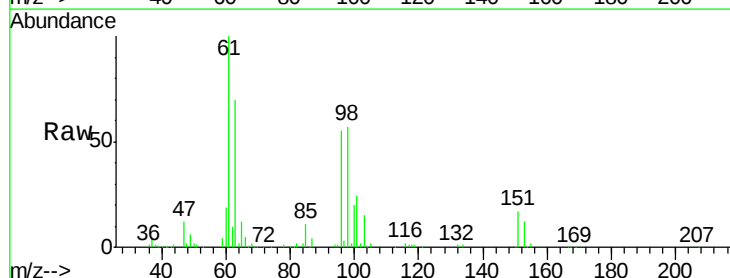
Tgt Ion: 96 Resp: 87699

Ion Ratio Lower Upper

96 100

61 182.1 124.1 230.5

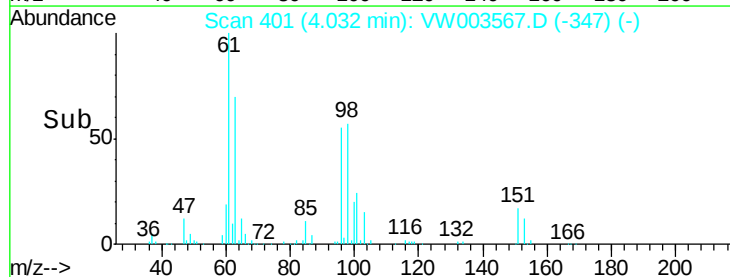
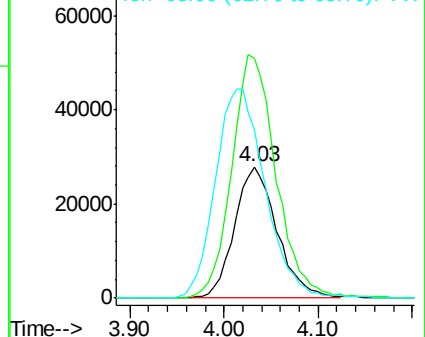
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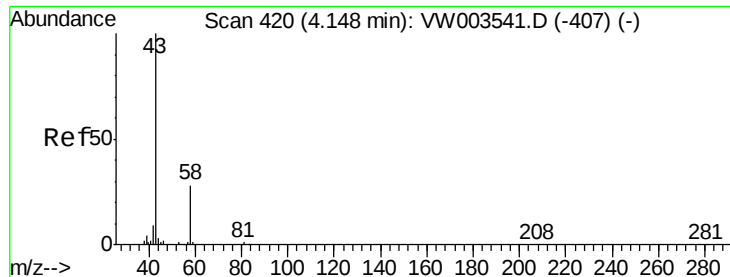


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 53.902 ug/L

RT: 4.15 min Scan# 420

Delta R.T. 0.00 min

Lab File: VW003567.D

Acq: 26 Jun 2018 02:03

Instrument :

MSVOA_W

ClientSampled :

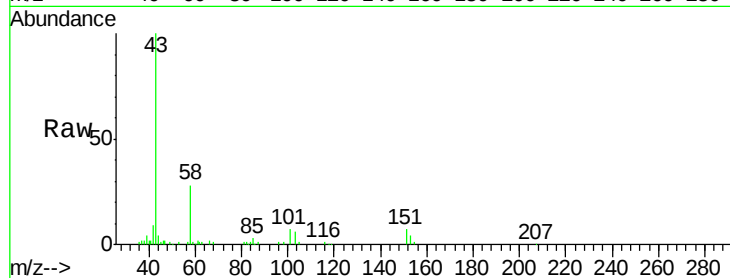
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Tgt Ion: 43 Resp: 65744

Ion Ratio Lower Upper

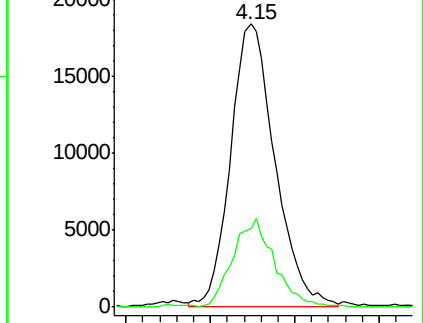
43 100

58 29.5 0.0 58.6

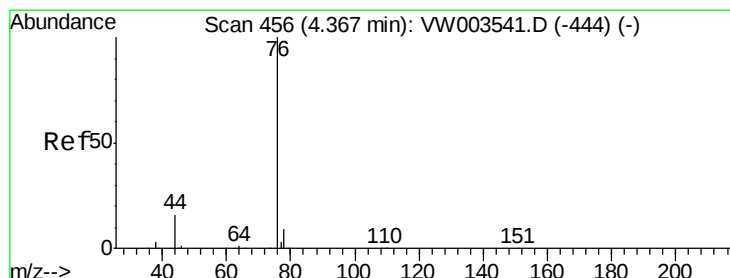
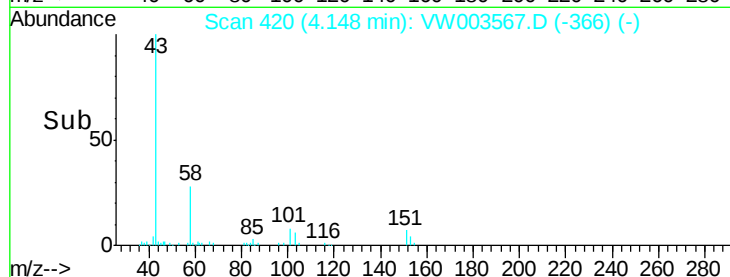


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



Time--> 4.00 4.10 4.20 4.30



#14

Carbon disulfide

Concen: 25.077 ug/L

RT: 4.37 min Scan# 457

Delta R.T. 0.01 min

Lab File: VW003567.D

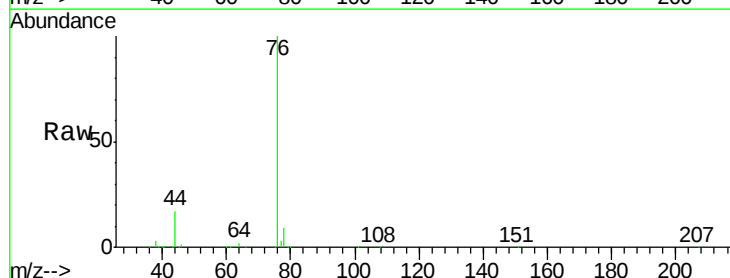
Acq: 26 Jun 2018 02:03

Tgt Ion: 76 Resp: 270793

Ion Ratio Lower Upper

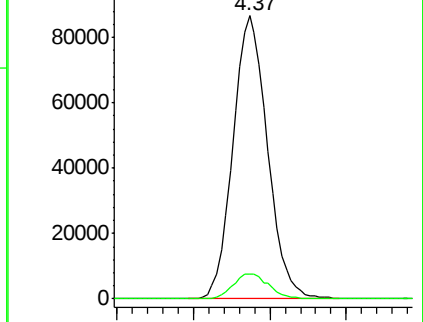
76 100

78 8.8 7.3 10.9

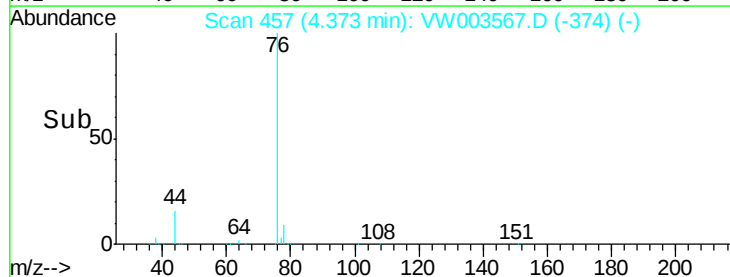


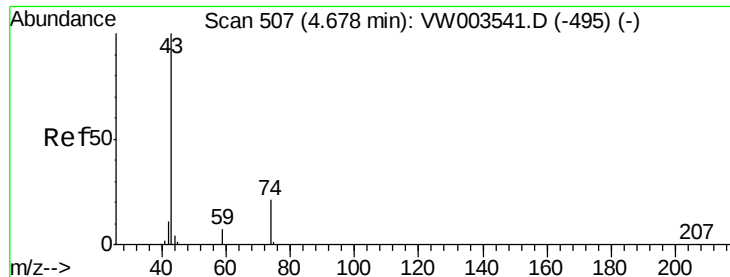
Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW



Time--> 4.20 4.30 4.40 4.50

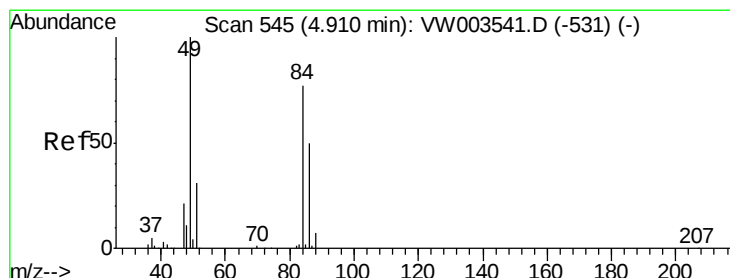
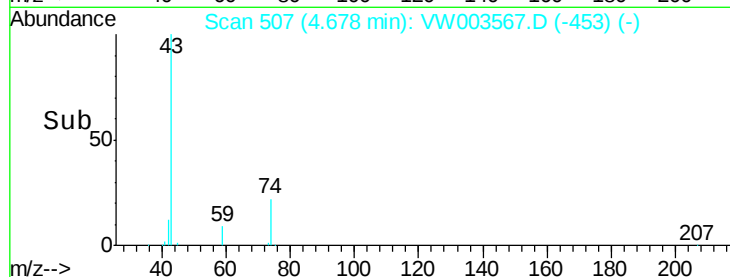
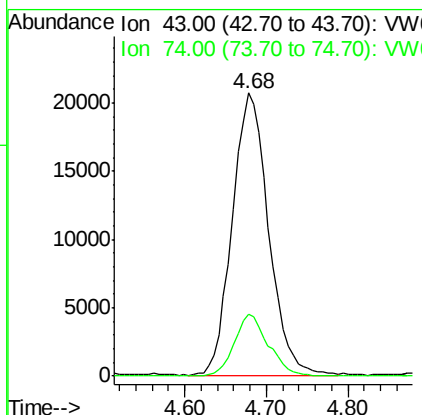
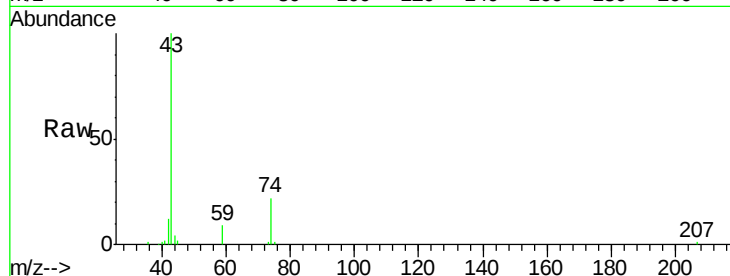




#15
Methyl Acetate
Concen: 31.762 ug/L
RT: 4.68 min Scan# 507
Delta R.T. -0.00 min
Lab File: VW003567.D
Acq: 26 Jun 2018 02:03

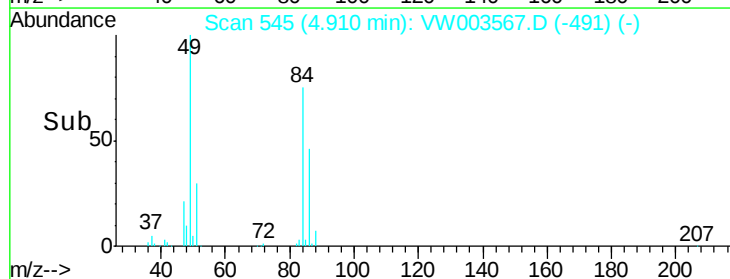
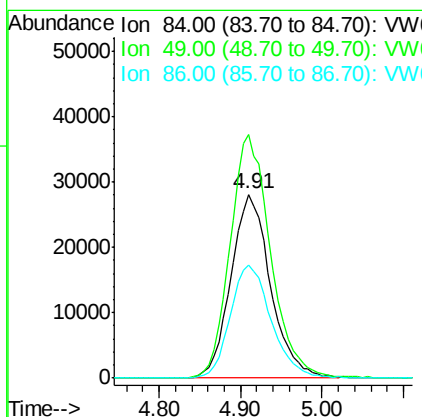
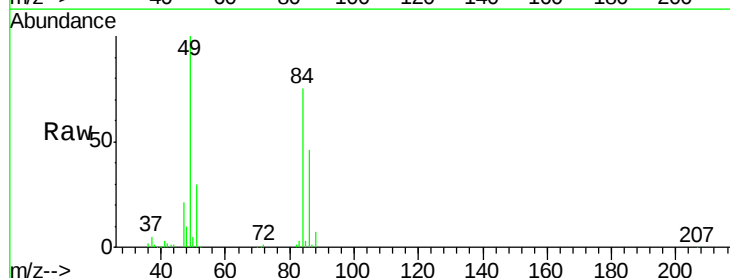
Instrument :
MSVOA_W
ClientSampleId :
BFB90

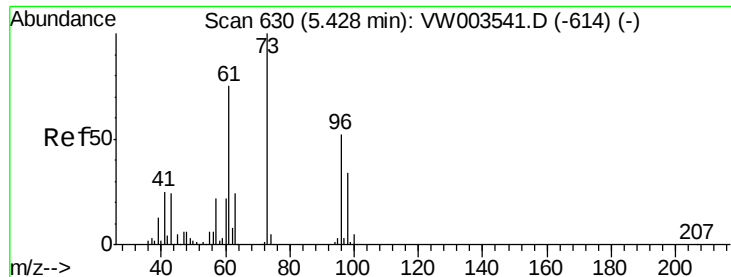
Tgt Ion: 43 Resp: 63498
Ion Ratio Lower Upper
43 100
74 20.5 17.5 26.3



#16
Methylene chloride
Concen: 25.654 ug/L
RT: 4.91 min Scan# 545
Delta R.T. -0.00 min
Lab File: VW003567.D
Acq: 26 Jun 2018 02:03

Tgt Ion: 84 Resp: 94647
Ion Ratio Lower Upper
84 100
49 132.6 88.7 164.7
86 61.6 44.2 82.0

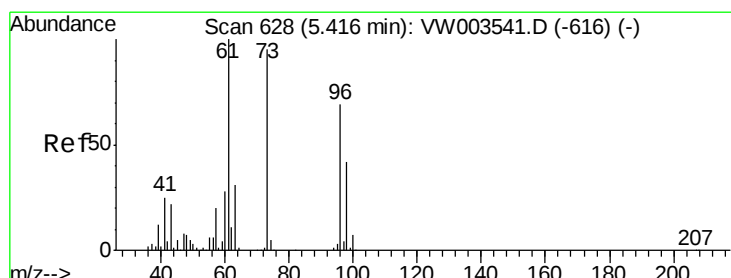
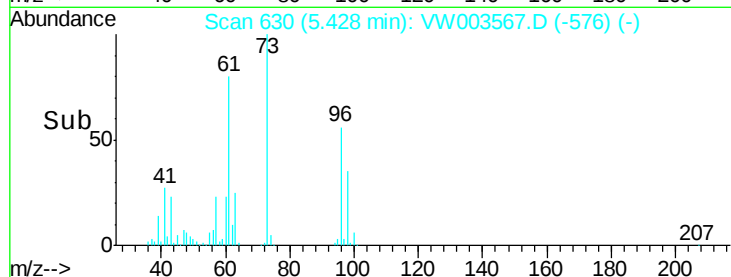
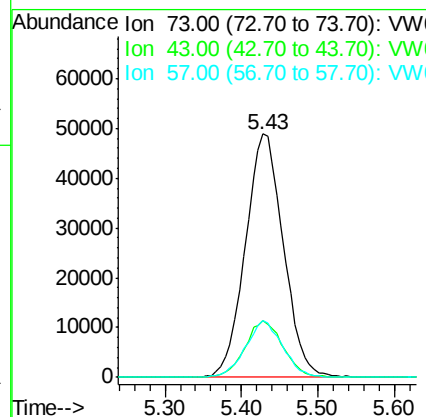
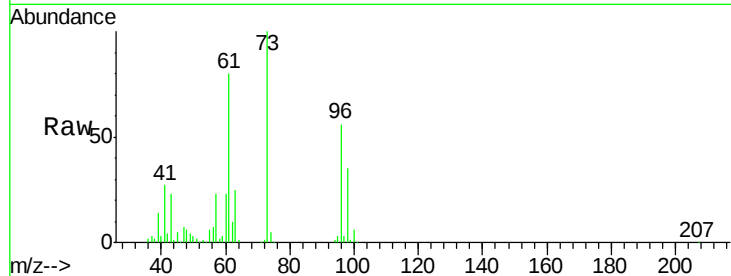




#17
Methyl tert-butyl Ether
Concen: 27.395 ug/L
RT: 5.43 min Scan# 630
Delta R.T. -0.00 min
Lab File: VW003567.D
Acq: 26 Jun 2018 02:03

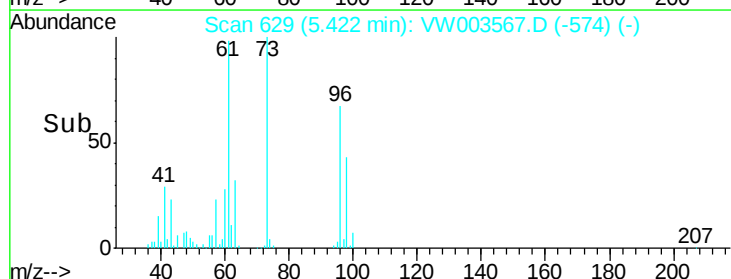
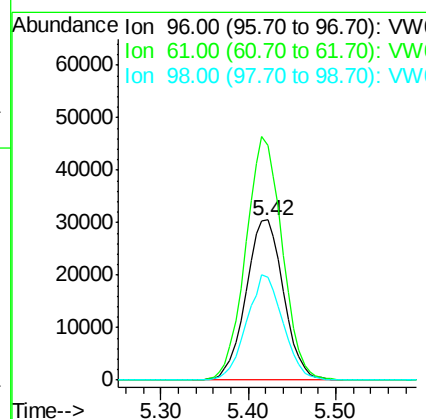
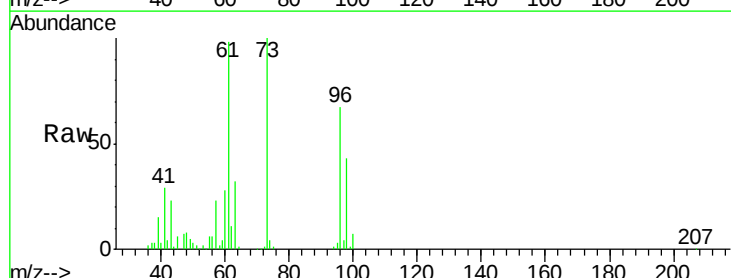
Instrument :
MSVOA_W
ClientSampled :
BFB90

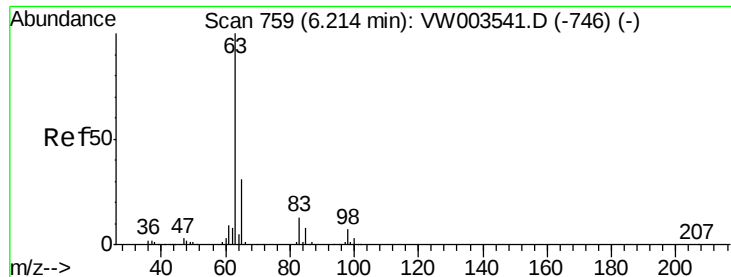
Tgt Ion: 73 Resp: 169173
Ion Ratio Lower Upper
73 100
43 23.4 18.6 27.8
57 22.7 18.1 27.1



#18
trans-1,2-Dichloroethene
Concen: 26.220 ug/L
RT: 5.42 min Scan# 629
Delta R.T. 0.01 min
Lab File: VW003567.D
Acq: 26 Jun 2018 02:03

Tgt Ion: 96 Resp: 91439
Ion Ratio Lower Upper
96 100
61 146.2 98.0 182.0
98 63.7 44.2 82.2





#19

1,1-Dichloroethane

Concen: 26.788 ug/L

RT: 6.21 min Scan# 759

Delta R.T. -0.00 min

Lab File: VW003567.D

Acq: 26 Jun 2018 02:03

Instrument :

MSVOA_W

ClientSampleId :

BFB90

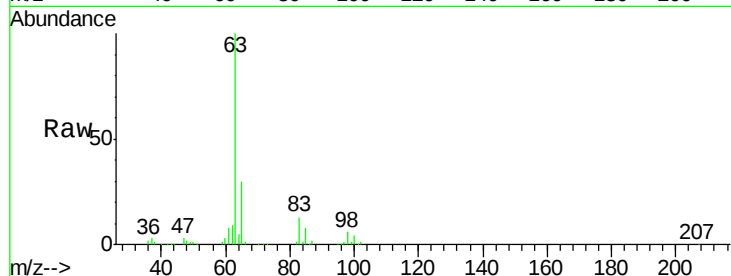
Tgt Ion: 63 Resp: 174341

Ion Ratio Lower Upper

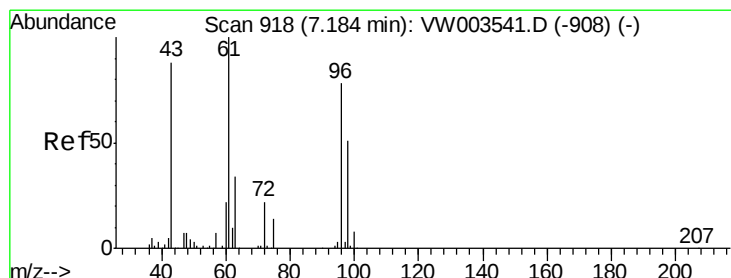
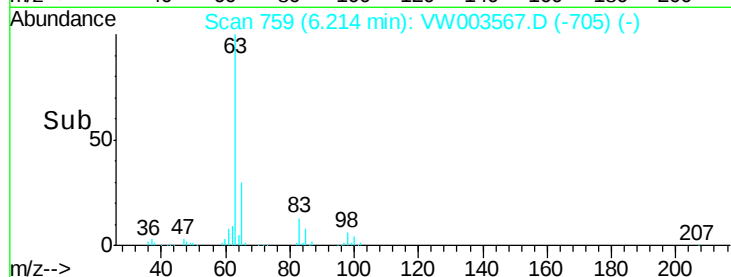
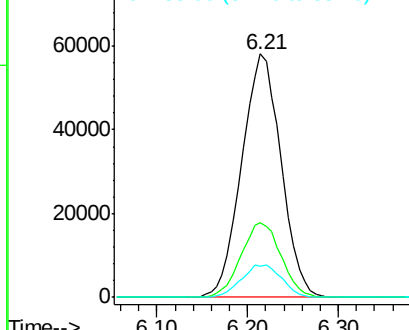
63 100

65 30.4 21.8 40.4

83 12.8 9.0 16.6



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: 59.506 ug/L

RT: 7.19 min Scan# 919

Delta R.T. 0.01 min

Lab File: VW003567.D

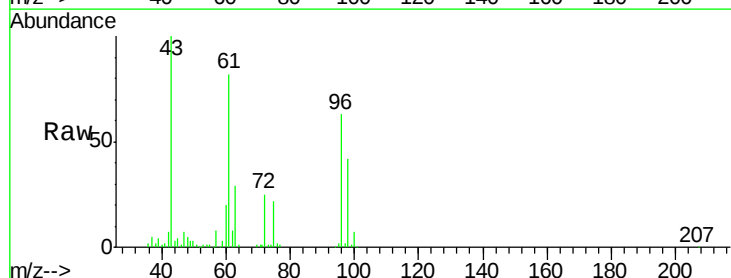
Acq: 26 Jun 2018 02:03

Tgt Ion: 43 Resp: 85289

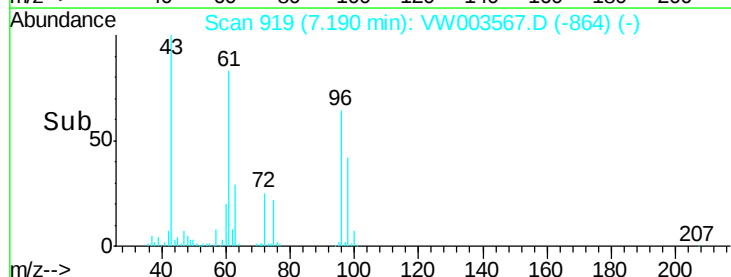
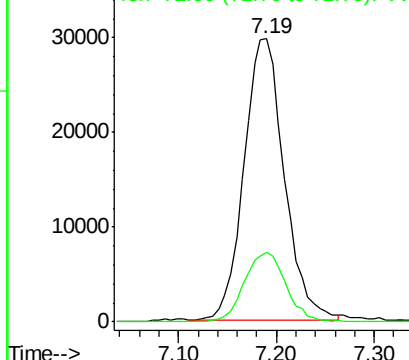
Ion Ratio Lower Upper

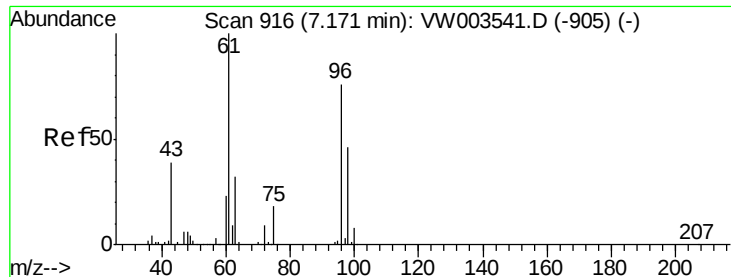
43 100

72 25.3 12.5 37.5



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



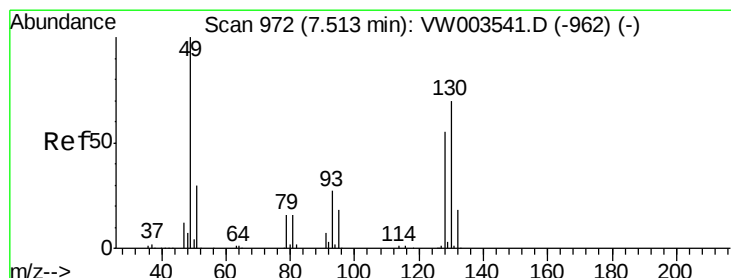
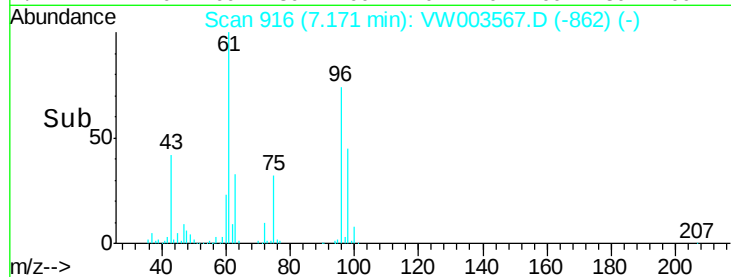
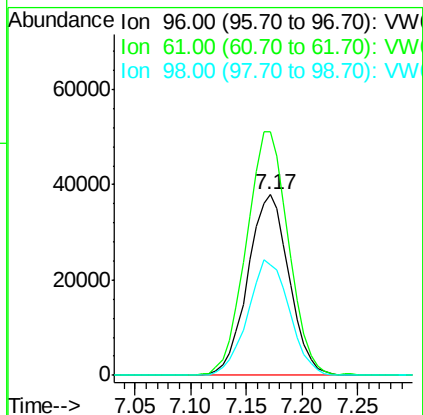
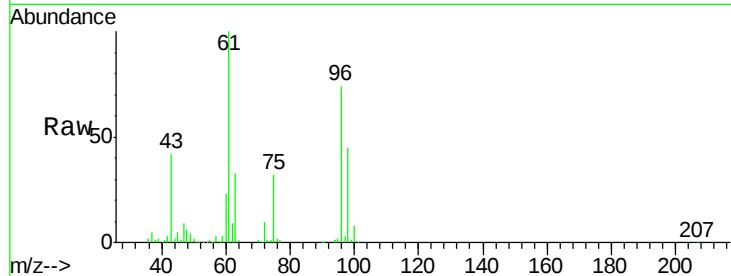


#22

cis-1,2-Dichloroethene
Concen: 26.403 ug/L
RT: 7.17 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW003567.D
Acq: 26 Jun 2018 02:03

Instrument :
MSVOA_W
ClientSampleId :
BFB90

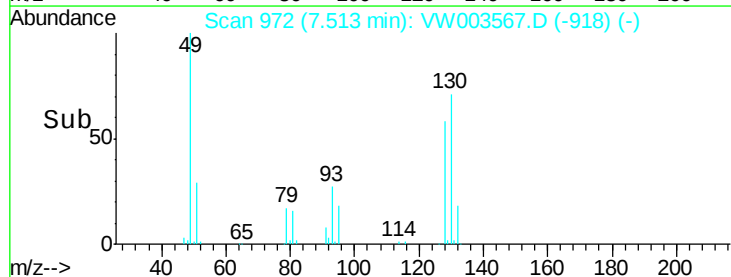
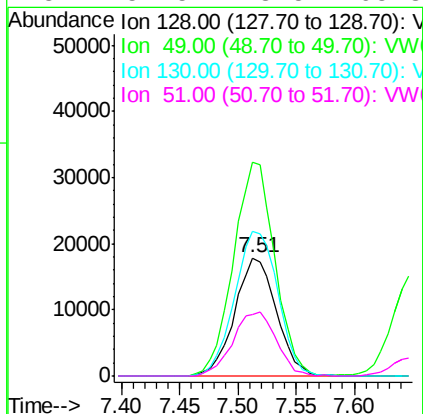
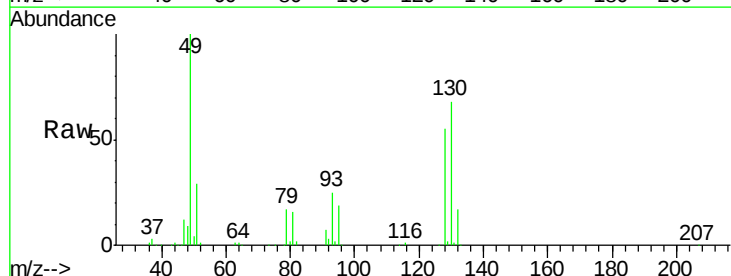
Tgt Ion: 96 Resp: 97857
Ion Ratio Lower Upper
96 100
61 134.9 97.7 181.5
98 61.0 45.0 83.6

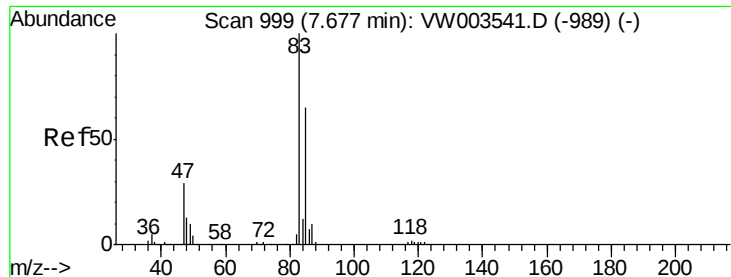


#23

Bromochloromethane
Concen: 26.013 ug/L
RT: 7.51 min Scan# 972
Delta R.T. 0.00 min
Lab File: VW003567.D
Acq: 26 Jun 2018 02:03

Tgt Ion: 128 Resp: 44599
Ion Ratio Lower Upper
128 100
49 180.5 122.0 226.6
130 121.9 88.1 163.5
51 51.5 43.5 65.3





#25

Chloroform

Concen: 26.747 ug/L

RT: 7.68 min Scan# 999

Delta R.T. -0.00 min

Lab File: VW003567.D

Acq: 26 Jun 2018 02:03

Instrument :

MSVOA_W

ClientSampleId :

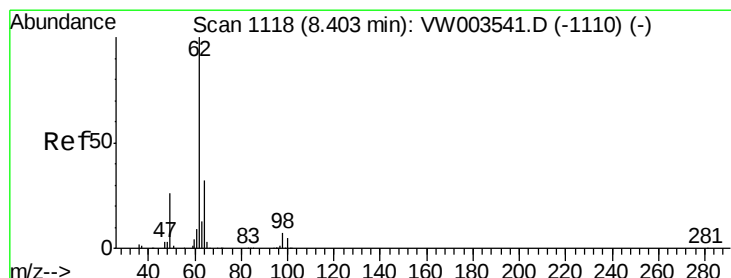
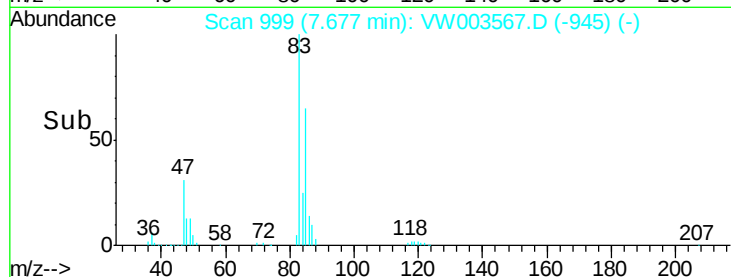
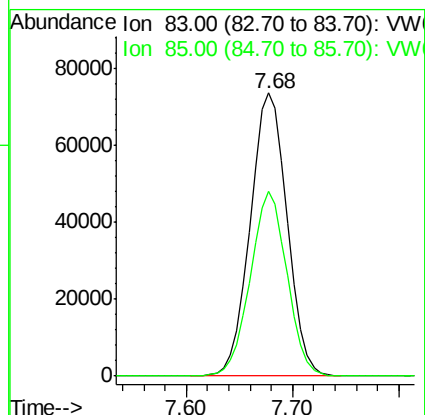
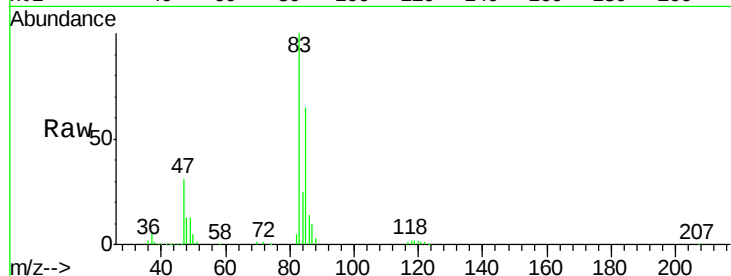
BFB90

Tgt Ion: 83 Resp: 178961

Ion Ratio Lower Upper

83 100

85 65.0 46.1 85.5



#27

1,2-Dichloroethane

Concen: 27.255 ug/L

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW003567.D

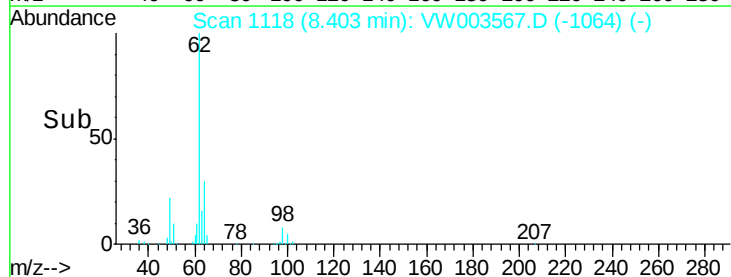
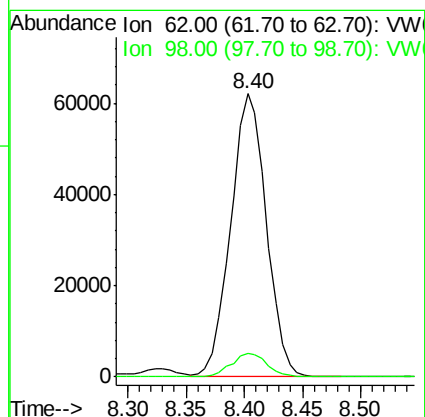
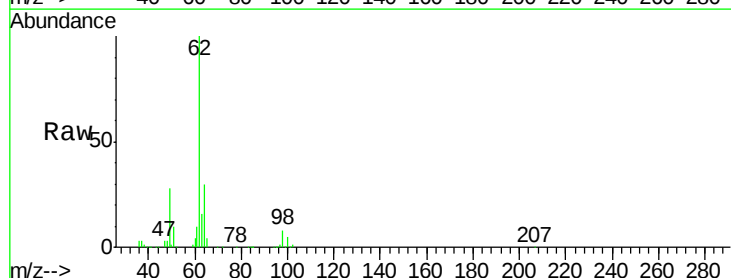
Acq: 26 Jun 2018 02:03

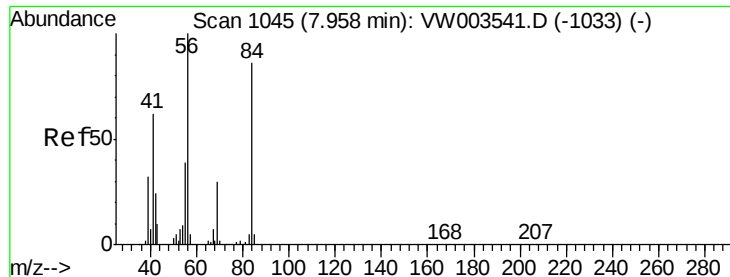
Tgt Ion: 62 Resp: 132061

Ion Ratio Lower Upper

62 100

98 8.3 6.5 9.7

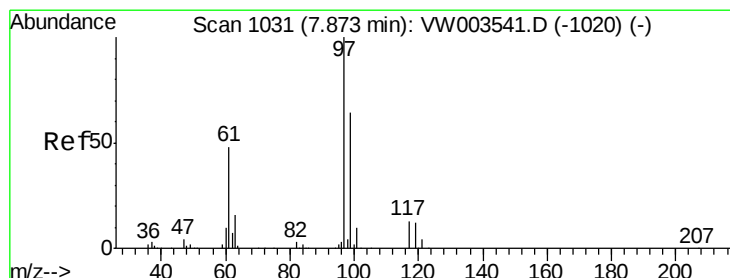
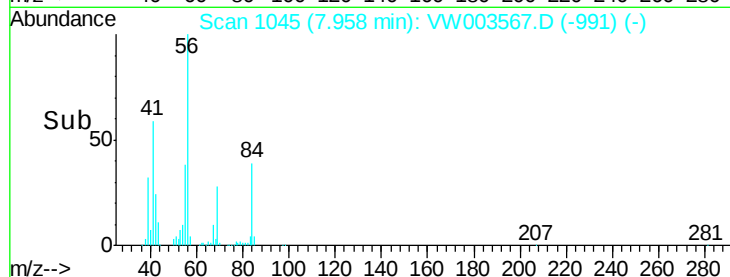
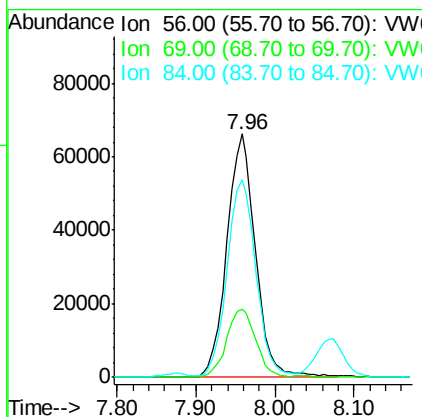
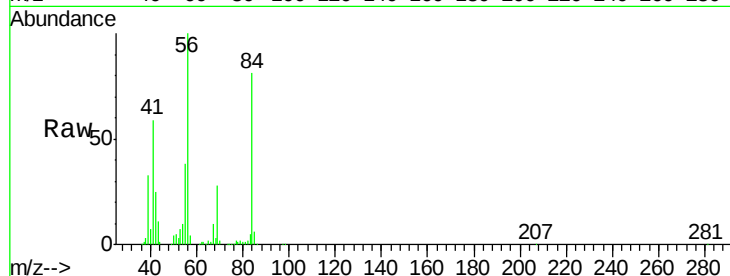




#30
Cyclohexane
Concen: 29.016 ug/L
RT: 7.96 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VW003567.D
Acq: 26 Jun 2018 02:03

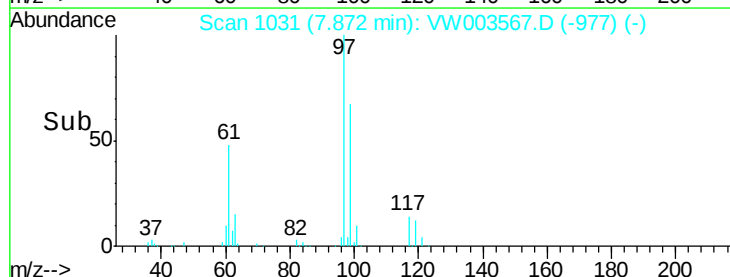
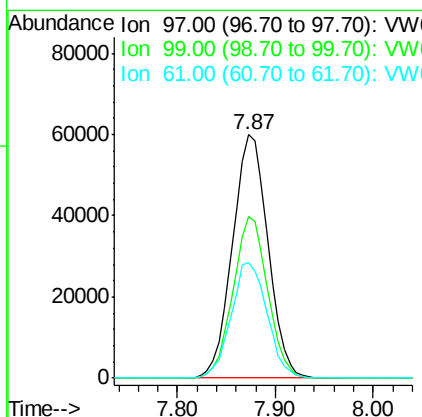
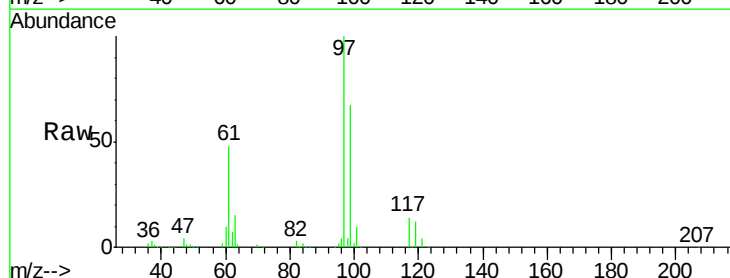
Instrument :
MSVOA_W
ClientSampled :
BFB90

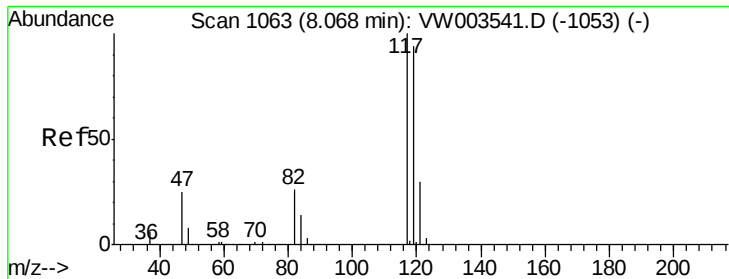
Tgt Ion: 56 Resp: 166640
Ion Ratio Lower Upper
56 100
69 28.7 23.4 35.2
84 82.5 67.4 101.0



#31
1,1,1-Trichloroethane
Concen: 27.618 ug/L
RT: 7.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VW003567.D
Acq: 26 Jun 2018 02:03

Tgt Ion: 97 Resp: 150934
Ion Ratio Lower Upper
97 100
99 64.7 50.9 76.3
61 48.0 37.7 56.5





#32

Carbon tetrachloride

Concen: 27.508 ug/L

RT: 8.07 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VW003567.D

Acq: 26 Jun 2018 02:03

Instrument :

MSVOA_W

ClientSampleId :

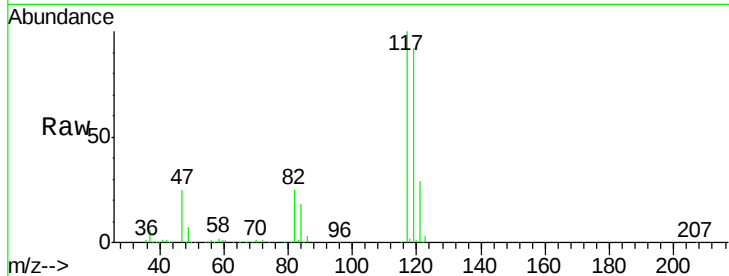
BFB90

Tgt Ion:117 Resp: 145236

Ion Ratio Lower Upper

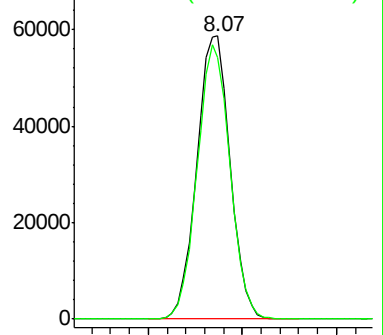
117 100

119 95.1 76.6 114.8

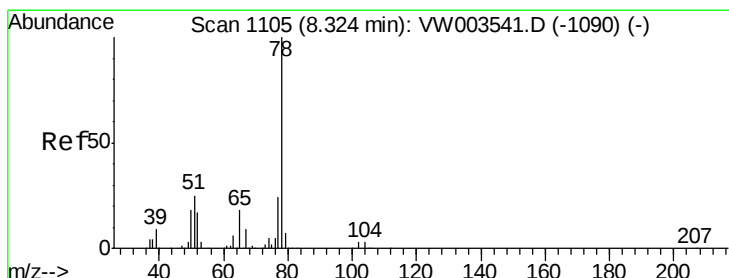
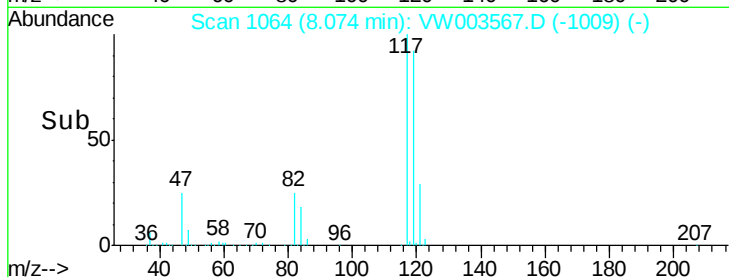


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



Time-->



#34

Benzene

Concen: 27.455 ug/L

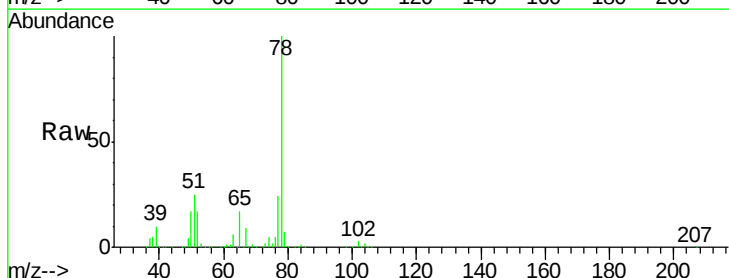
RT: 8.32 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VW003567.D

Acq: 26 Jun 2018 02:03

Tgt Ion: 78 Resp: 389441



Abundance Ion 78.00 (77.70 to 78.70): VW

200000

150000

100000

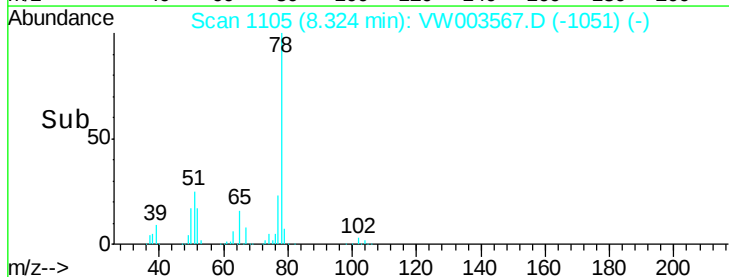
50000

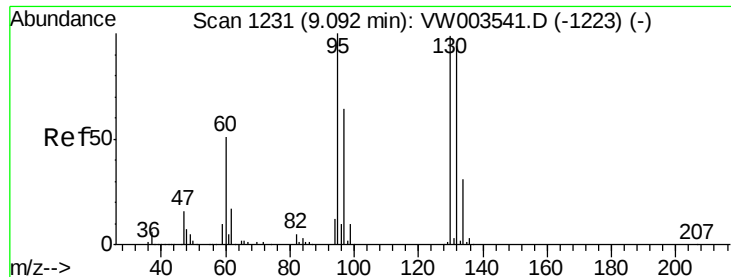
0

8.32

8.20 8.30 8.40

Time-->

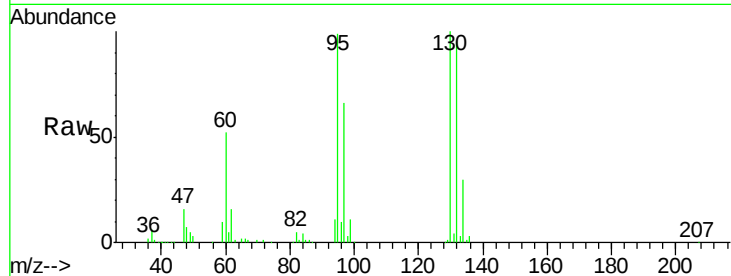




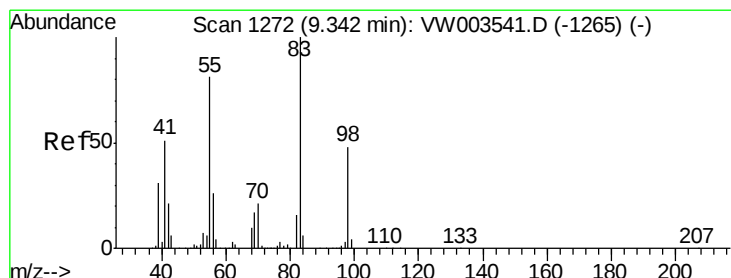
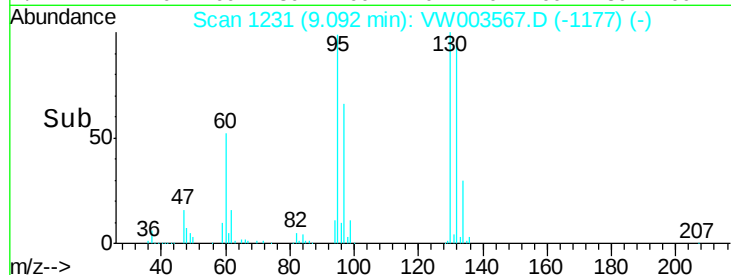
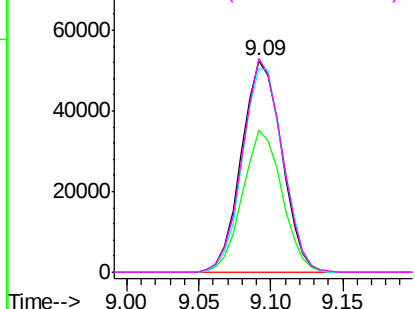
#35
 Trichloroethene
 Concen: 26.681 ug/L
 RT: 9.09 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VW003567.D
 Acq: 26 Jun 2018 02:03

Instrument :
 MSVOA_W
 ClientSampled :
 BFB90

Tgt Ion:	95	Resp:	102007
Ion	Ratio	Lower	Upper
95	100		
97	65.5	45.6	84.6
132	96.9	67.8	125.8
130	99.4	70.6	131.0

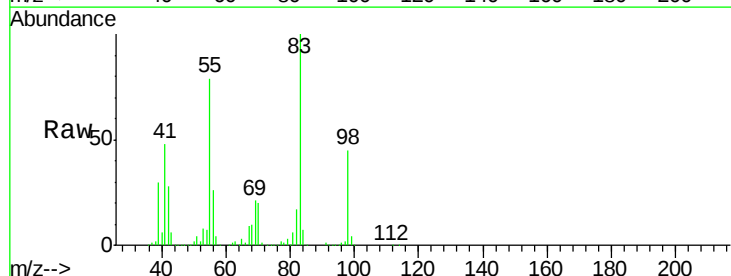


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

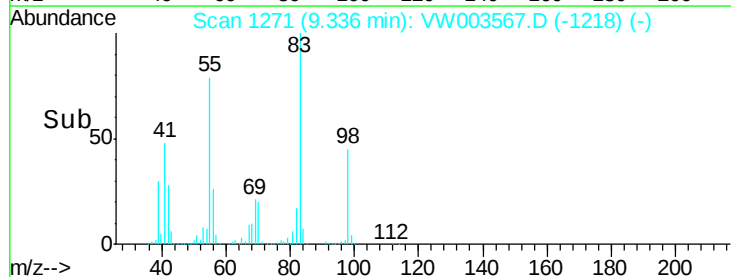
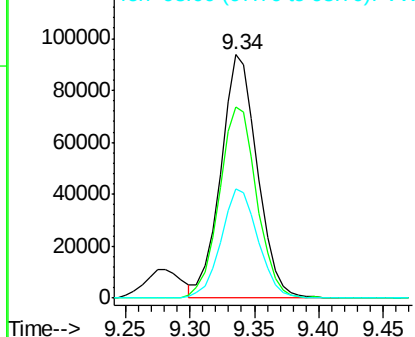


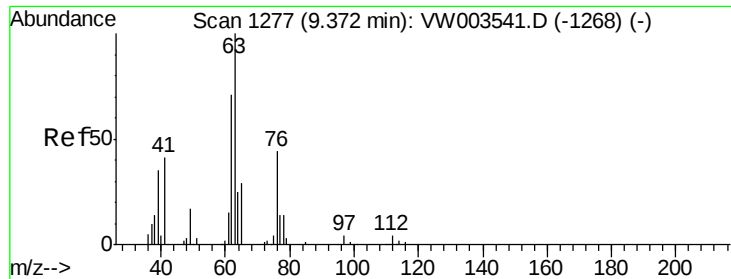
#36
 Methylcyclohexane
 Concen: 28.503 ug/L
 RT: 9.34 min Scan# 1271
 Delta R.T. -0.01 min
 Lab File: VW003567.D
 Acq: 26 Jun 2018 02:03

Tgt Ion:	83	Resp:	186033
Ion	Ratio	Lower	Upper
83	100		
55	80.7	63.9	95.9
98	45.6	37.1	55.7



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW

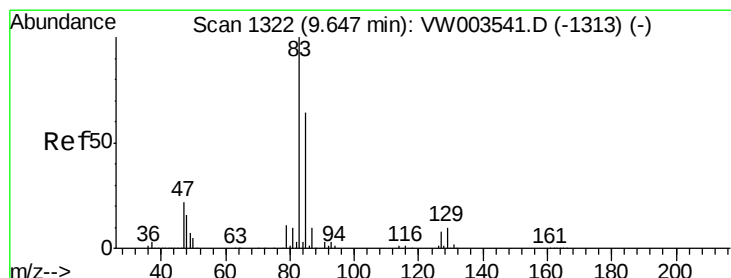
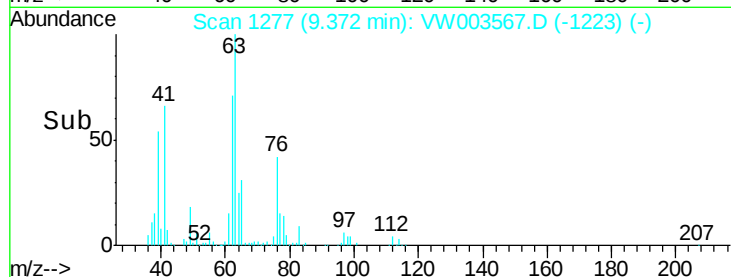
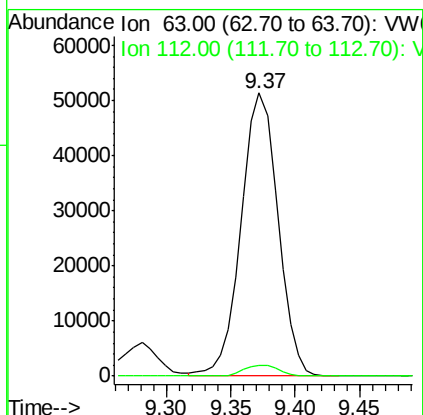
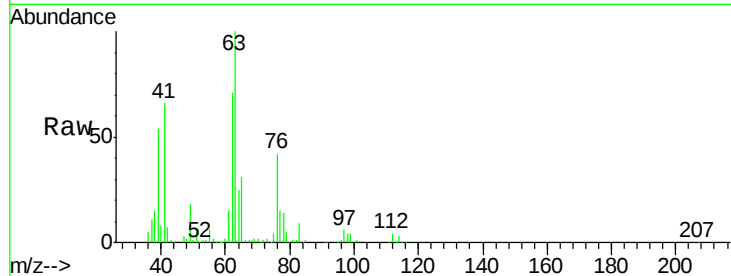




#40
 1,2-Dichloropropane
 Concen: 27.375 ug/L
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW003567.D
 Acq: 26 Jun 2018 02:03

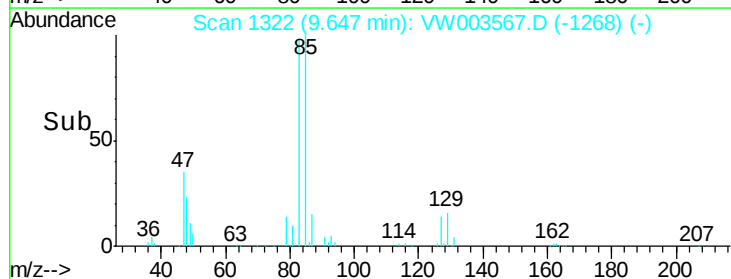
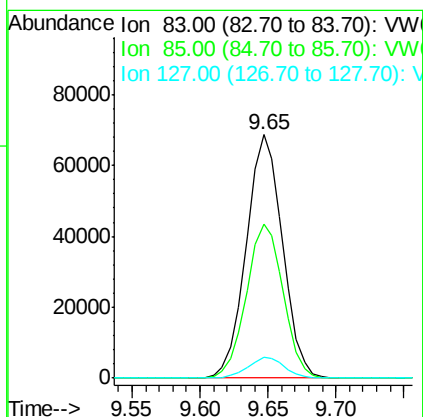
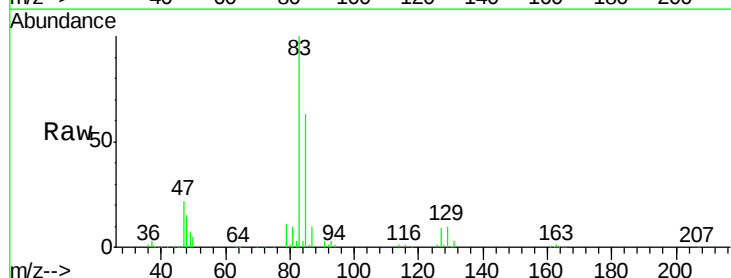
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB90

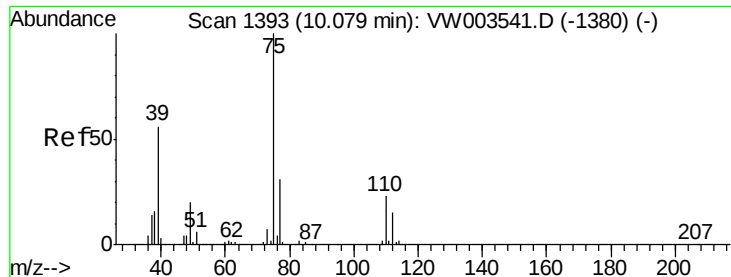
Tgt Ion: 63 Resp: 102186
 Ion Ratio Lower Upper
 63 100
 112 3.8 3.4 5.0



#41
 Bromodichloromethane
 Concen: 26.732 ug/L
 RT: 9.65 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VW003567.D
 Acq: 26 Jun 2018 02:03

Tgt Ion: 83 Resp: 128259
 Ion Ratio Lower Upper
 83 100
 85 63.5 44.7 83.1
 127 8.7 6.2 9.2





#42

cis-1,3-Dichloropropene

Concen: 26.257 ug/L

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW003567.D

Acq: 26 Jun 2018 02:03

Instrument :

MSVOA_W

ClientSampleId :

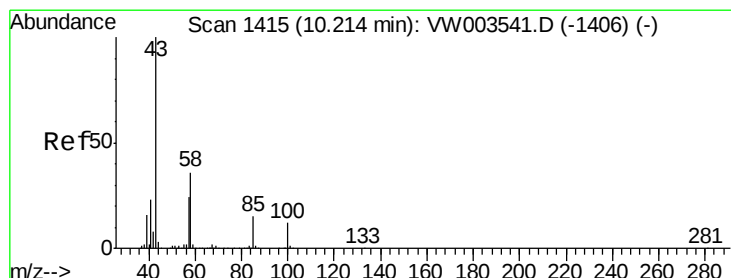
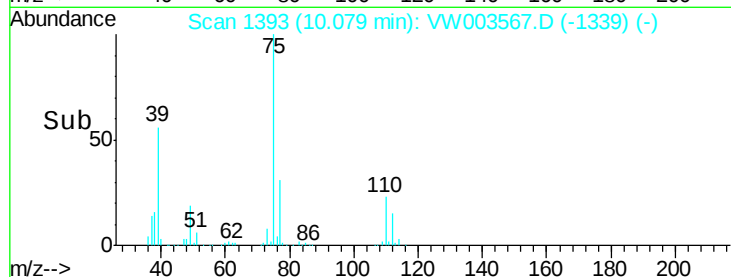
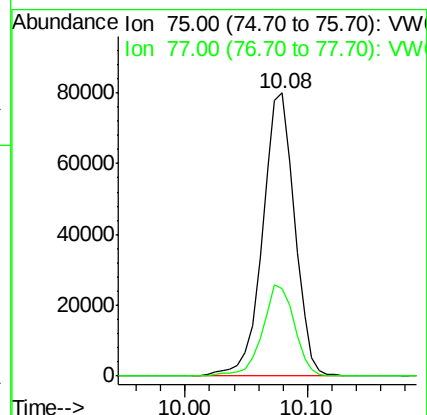
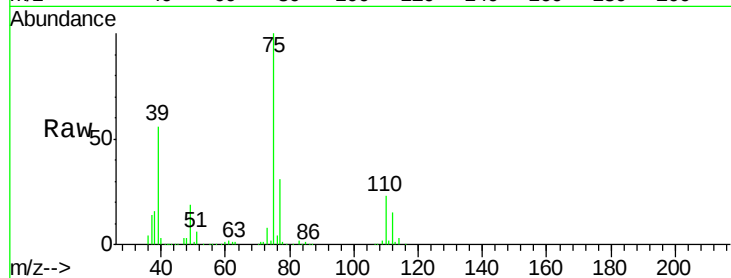
BFB90

Tgt Ion: 75 Resp: 146277

Ion Ratio Lower Upper

75 100

77 30.8 21.8 40.6



#43

4-Methyl-2-pentanone

Concen: 65.200 ug/L

RT: 10.22 min Scan# 1416

Delta R.T. 0.01 min

Lab File: VW003567.D

Acq: 26 Jun 2018 02:03

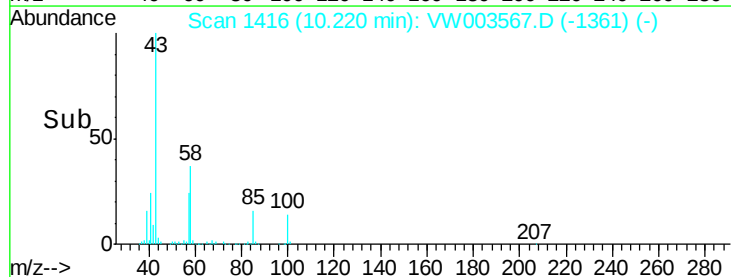
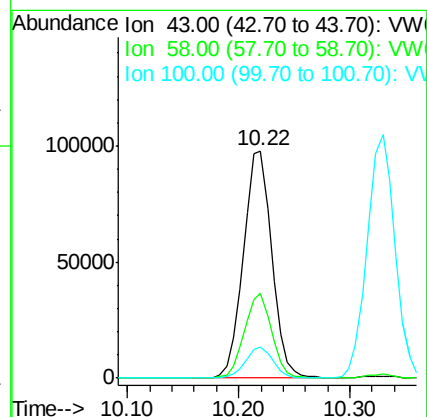
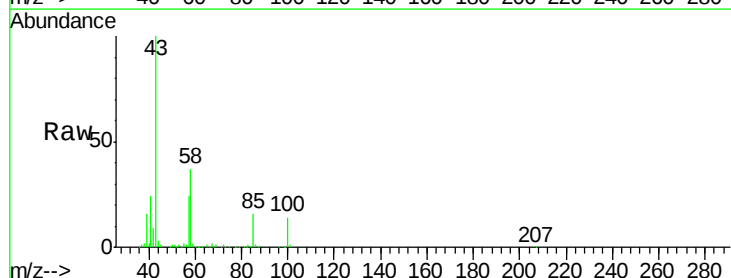
Tgt Ion: 43 Resp: 173875

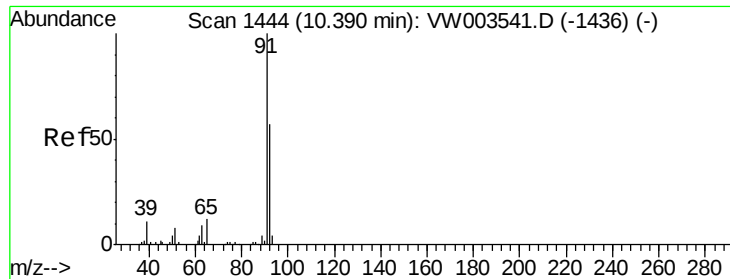
Ion Ratio Lower Upper

43 100

58 35.9 28.7 43.1

100 13.3 11.1 16.7





#44

Toluene

Concen: 27.642 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003567.D

Acq: 26 Jun 2018 02:03

Instrument :

MSVOA_W

ClientSampled :

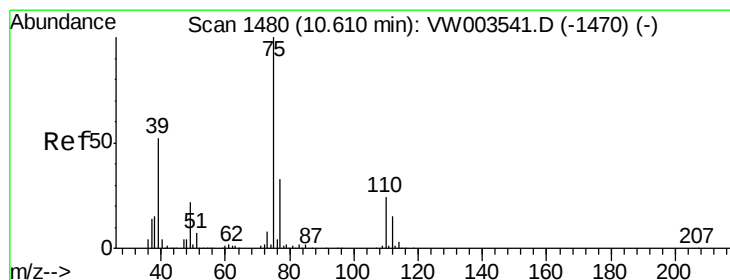
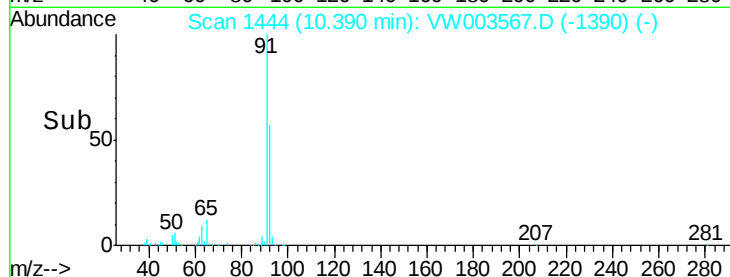
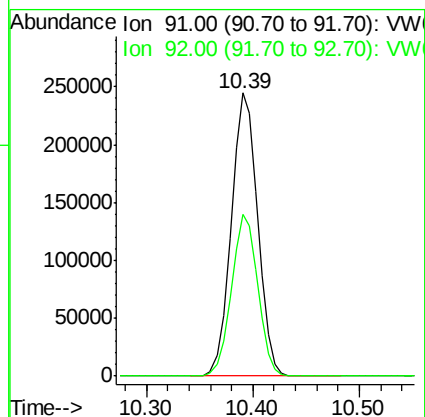
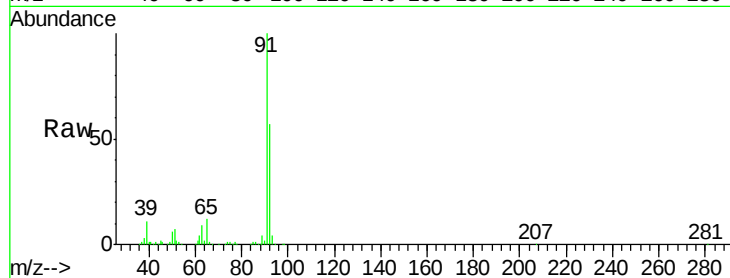
BFB90

Tgt Ion: 91 Resp: 425238

Ion Ratio Lower Upper

91 100

92 57.3 39.5 73.4



#45

trans-1,3-Dichloropropene

Concen: 27.343 ug/L

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW003567.D

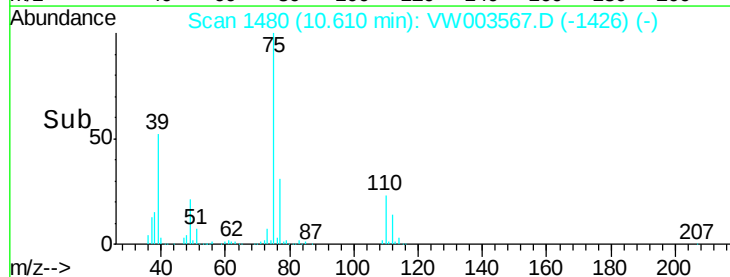
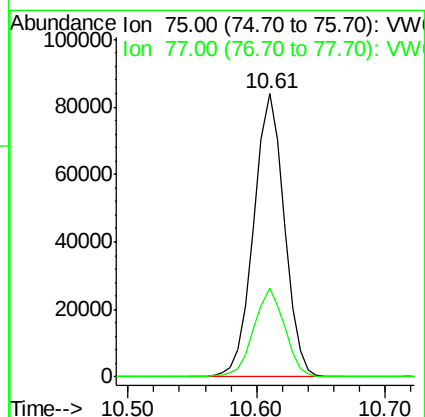
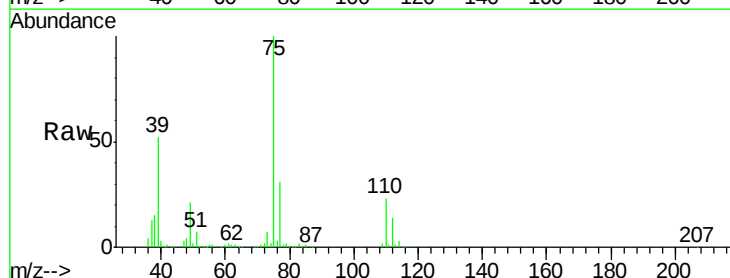
Acq: 26 Jun 2018 02:03

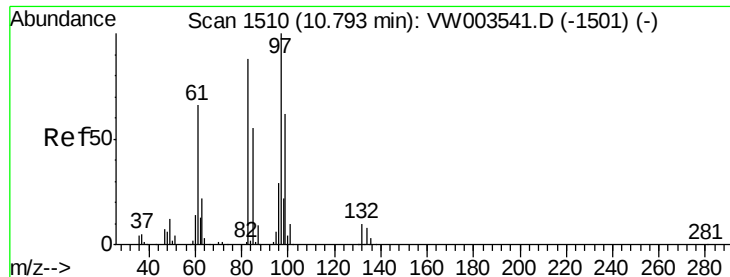
Tgt Ion: 75 Resp: 137839

Ion Ratio Lower Upper

75 100

77 31.3 22.4 41.6

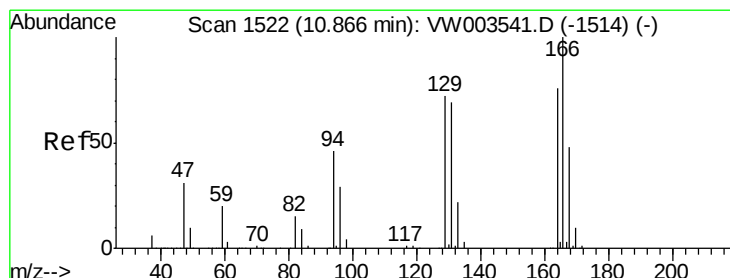
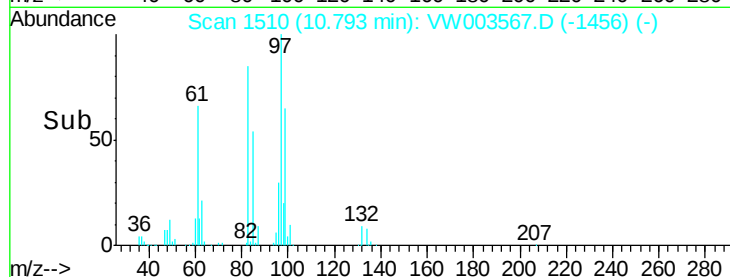
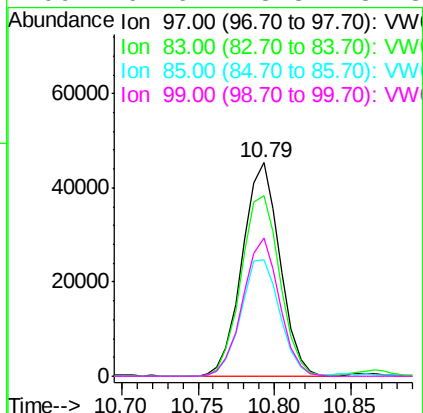
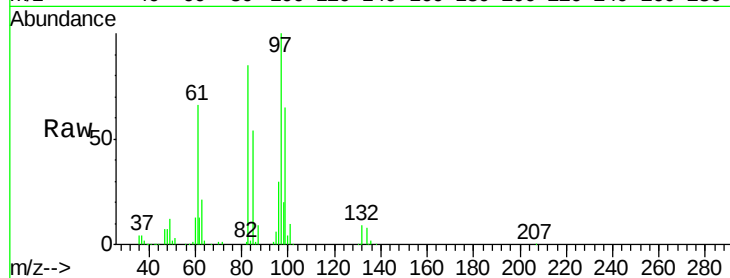




#46
 1,1,2-Trichloroethane
 Concen: 27.810 ug/L
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW003567.D
 Acq: 26 Jun 2018 02:03

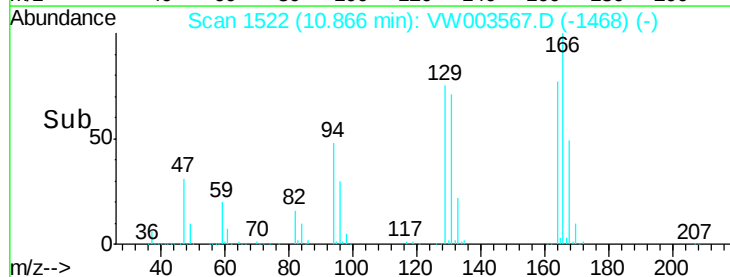
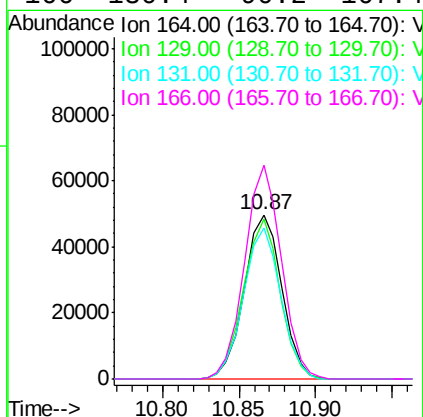
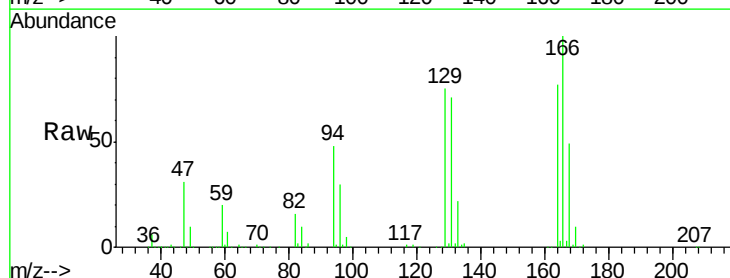
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB90

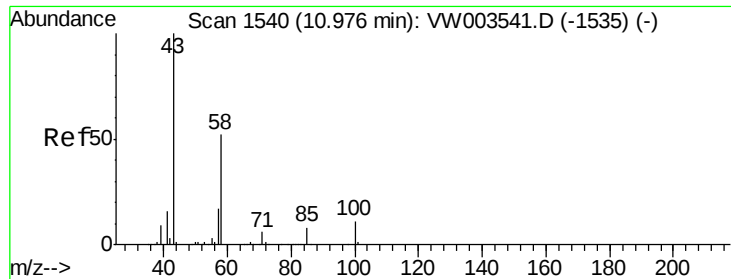
Tgt Ion:	97	Resp:	77500
Ion	Ratio	Lower	Upper
97	100		
83	84.6	58.8	109.2
85	54.3	38.8	72.0
99	64.6	43.8	81.3



#47
 Tetrachloroethene
 Concen: 26.397 ug/L
 RT: 10.87 min Scan# 1522
 Delta R.T. -0.00 min
 Lab File: VW003567.D
 Acq: 26 Jun 2018 02:03

Tgt Ion:	164	Resp:	84808
Ion	Ratio	Lower	Upper
164	100		
129	98.0	67.3	124.9
131	92.3	63.8	118.4
166	130.4	90.2	167.4

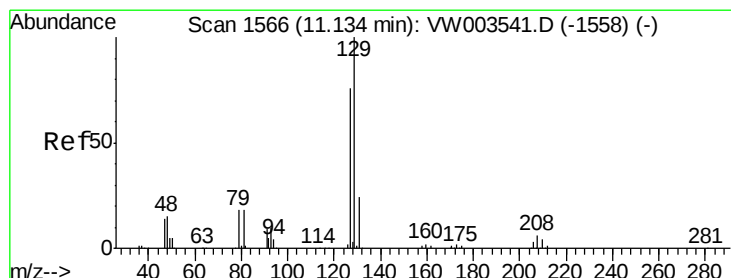
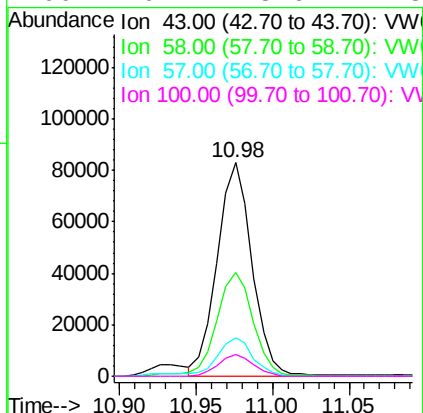
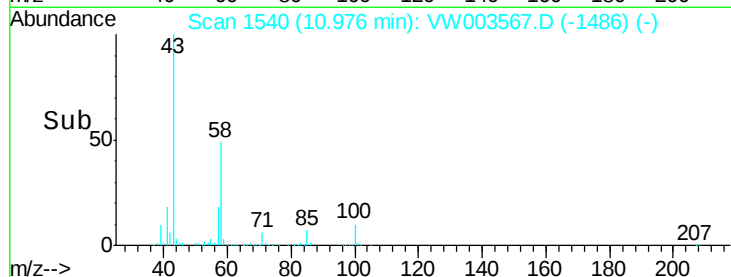
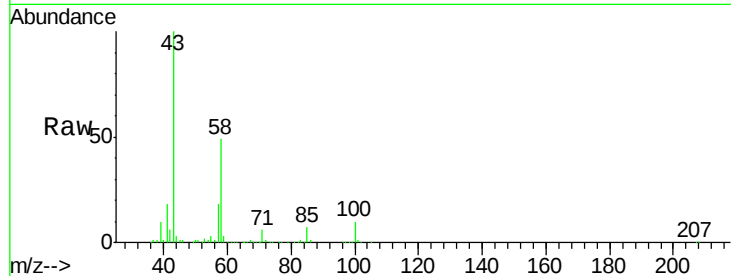




#49
2-Hexanone
Concen: 66.304 ug/L
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW003567.D
Acq: 26 Jun 2018 02:03

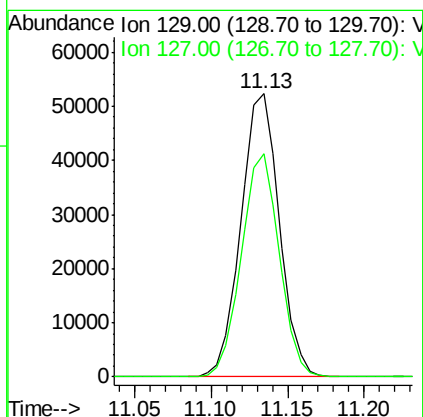
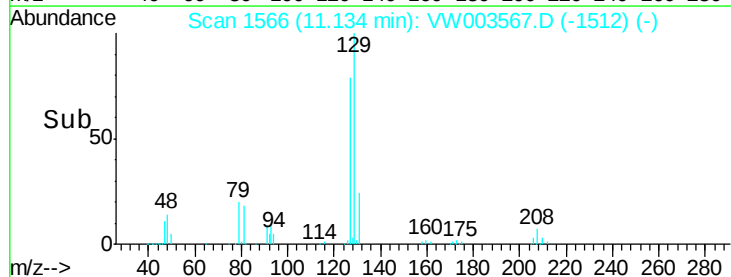
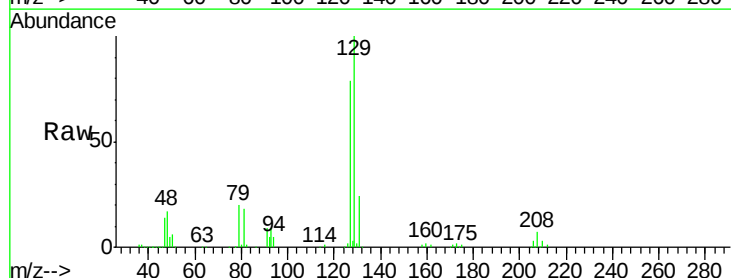
Instrument :
MSVOA_W
ClientSampleId :
BFB90

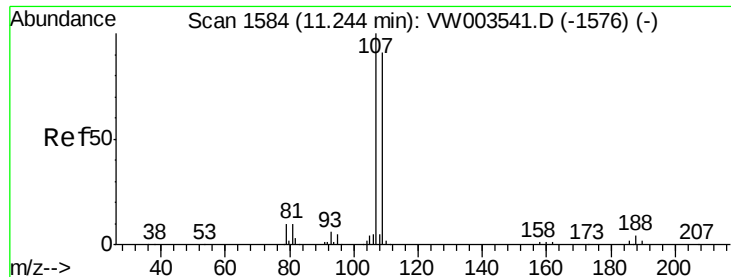
Tgt Ion: 43 Resp: 131766
Ion Ratio Lower Upper
43 100
58 49.5 40.4 60.6
57 17.9 14.6 21.8
100 10.2 8.6 12.8



#50
Dibromochloromethane
Concen: 26.924 ug/L
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW003567.D
Acq: 26 Jun 2018 02:03

Tgt Ion: 129 Resp: 91340
Ion Ratio Lower Upper
129 100
127 78.9 56.0 104.0





#51

1,2-Dibromoethane

Concen: 27.851 ug/L

RT: 11.24 min Scan# 1583

Delta R.T. -0.01 min

Lab File: VW003567.D

Acq: 26 Jun 2018 02:03

Instrument :

MSVOA_W

ClientSampleId :

BFB90

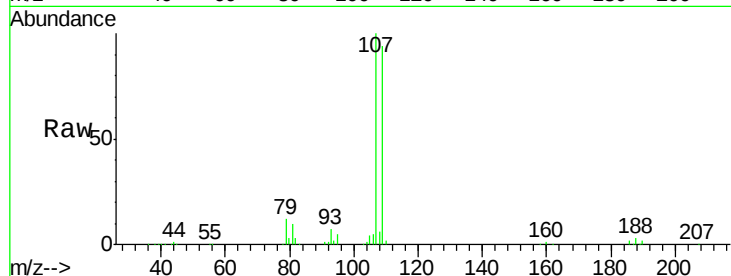
Tgt Ion:107 Resp: 77124

Ion Ratio Lower Upper

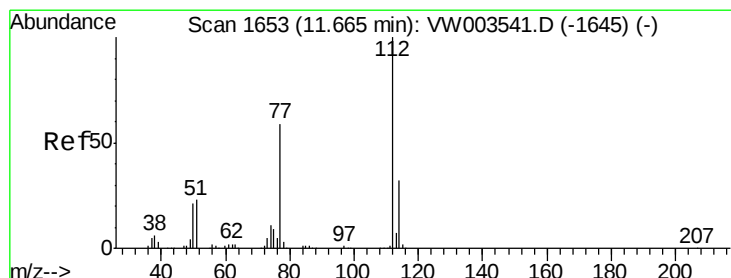
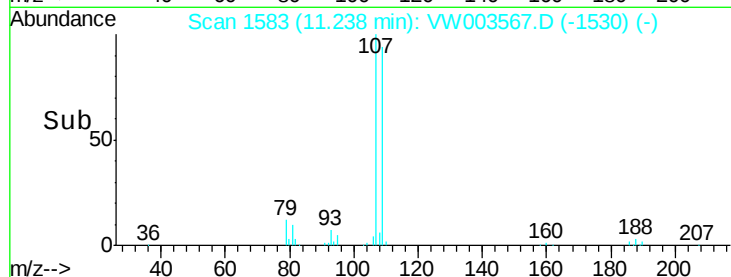
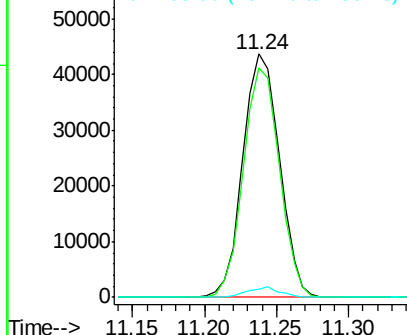
107 100

109 94.2 64.5 119.9

188 3.3 2.8 4.2



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 26.661 ug/L

RT: 11.66 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VW003567.D

Acq: 26 Jun 2018 02:03

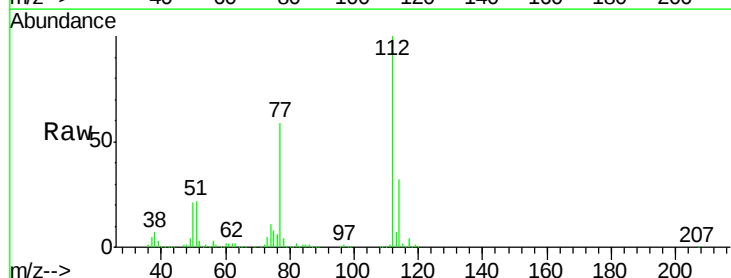
Tgt Ion:112 Resp: 266342

Ion Ratio Lower Upper

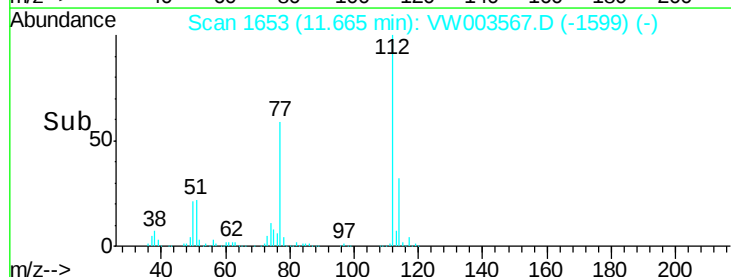
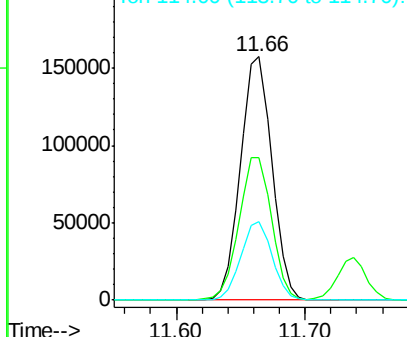
112 100

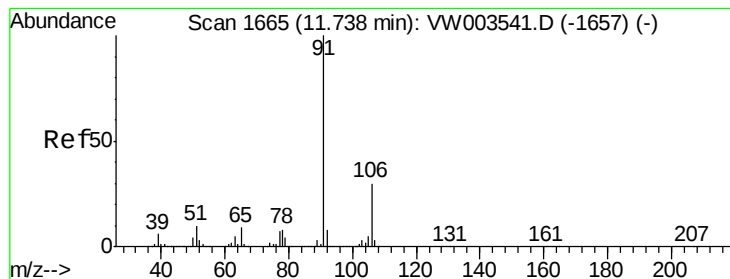
77 58.6 47.3 70.9

114 32.2 22.2 41.2



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 27.971 ug/L

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW003567.D

Acq: 26 Jun 2018 02:03

Instrument :

MSVOA_W

ClientSampleId :

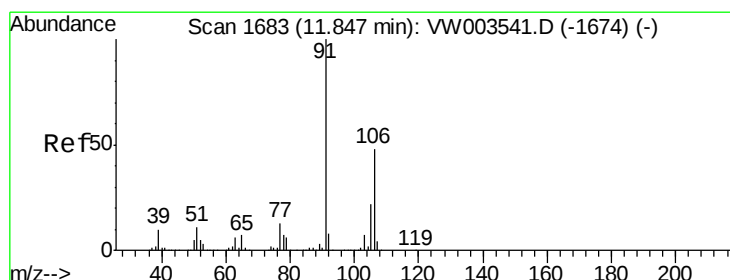
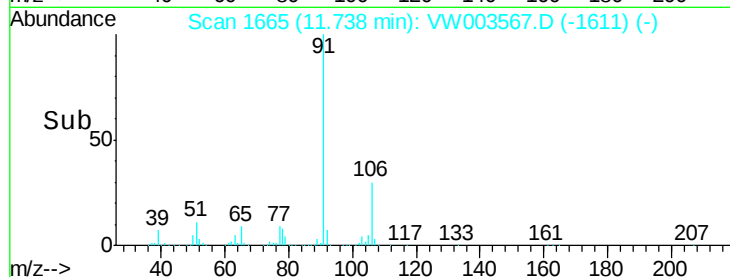
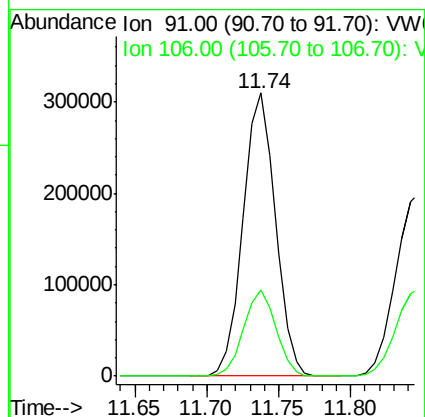
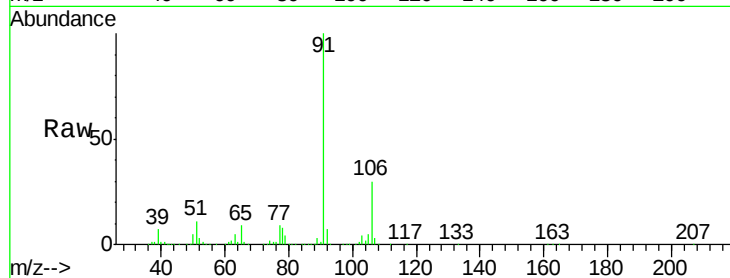
BFB90

Tgt Ion: 91 Resp: 482648

Ion Ratio Lower Upper

91 100

106 30.4 21.8 40.4



#54

m,p-Xylene

Concen: 28.040 ug/L

RT: 11.85 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW003567.D

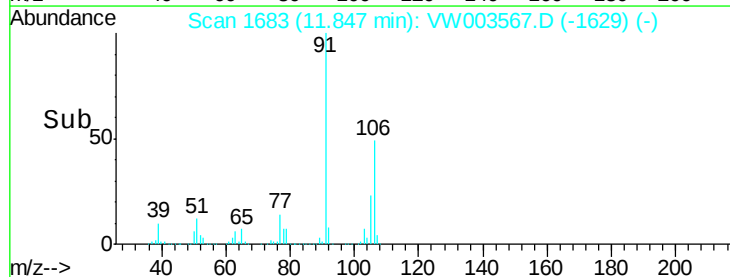
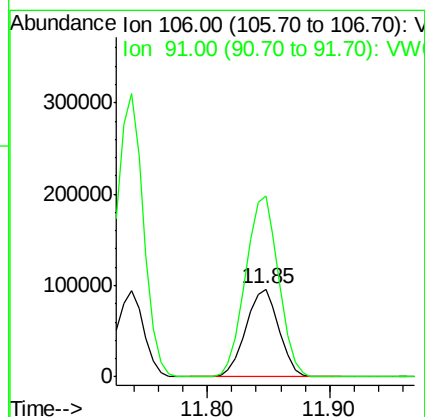
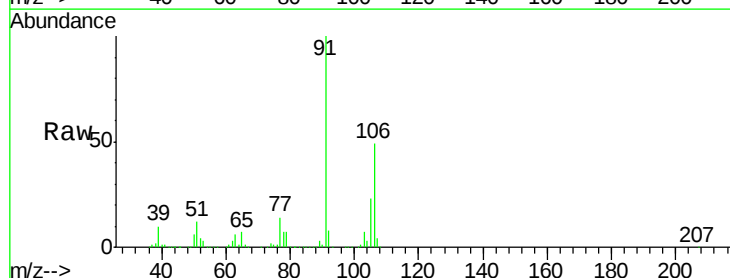
Acq: 26 Jun 2018 02:03

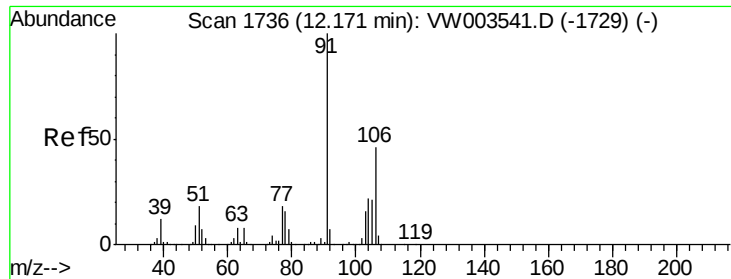
Tgt Ion: 106 Resp: 179699

Ion Ratio Lower Upper

106 100

91 205.9 146.4 271.8





#55

o-xylene

Concen: 27.442 ug/L

RT: 12.17 min Scan# 1736

Delta R.T. 0.00 min

Lab File: VW003567.D

Acq: 26 Jun 2018 02:03

Instrument :

MSVOA_W

ClientSampled :

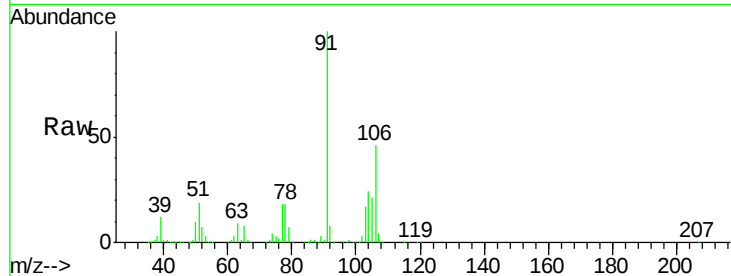
BFB90

Tgt Ion:106 Resp: 167285

Ion Ratio Lower Upper

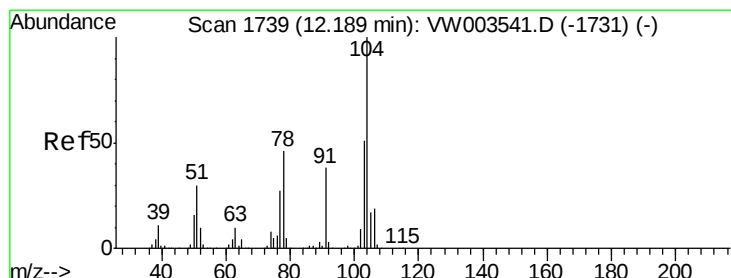
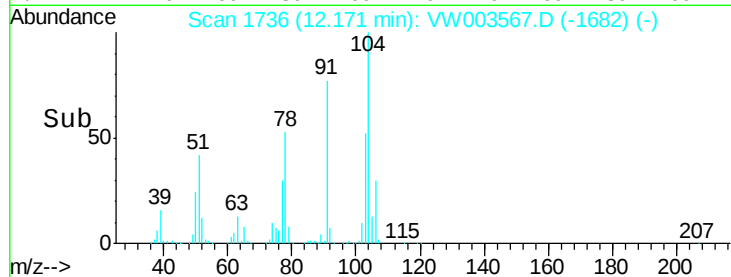
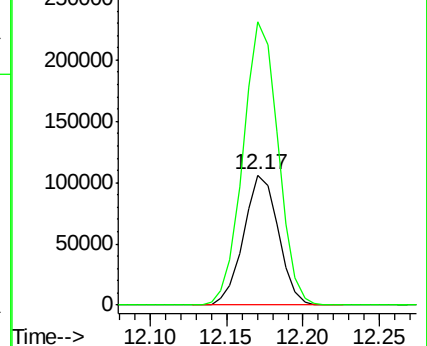
106 100

91 217.7 153.4 285.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#56

Styrene

Concen: 28.248 ug/L

RT: 12.19 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VW003567.D

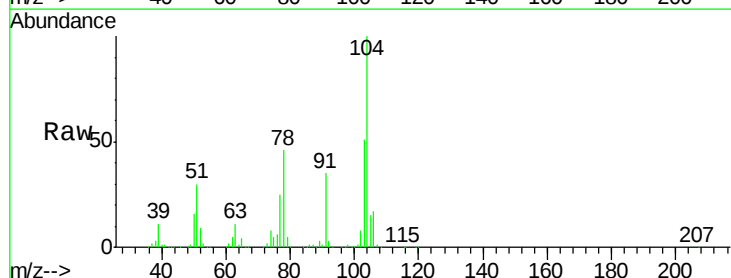
Acq: 26 Jun 2018 02:03

Tgt Ion:104 Resp: 297295

Ion Ratio Lower Upper

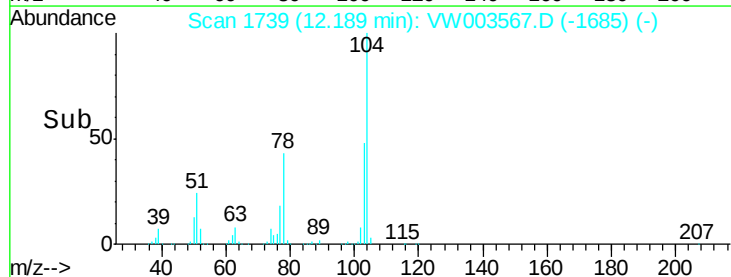
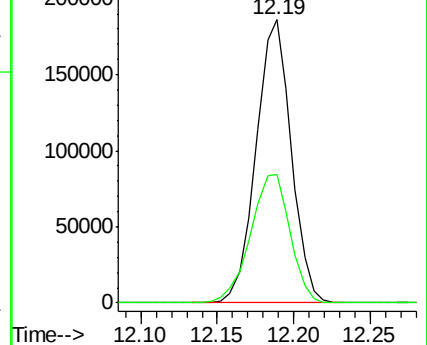
104 100

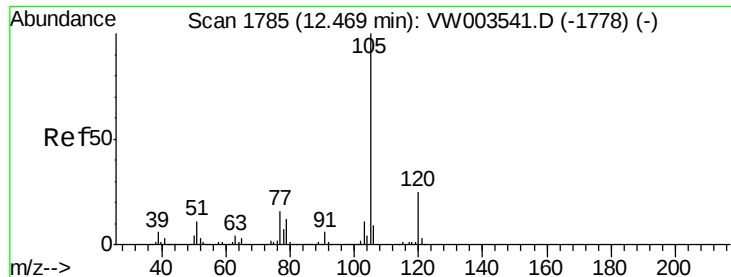
78 45.6 32.1 59.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW





#57

Isopropylbenzene

Concen: 28.707 ug/L

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW003567.D

Acq: 26 Jun 2018 02:03

Instrument :

MSVOA_W

ClientSampleId :

BFB90

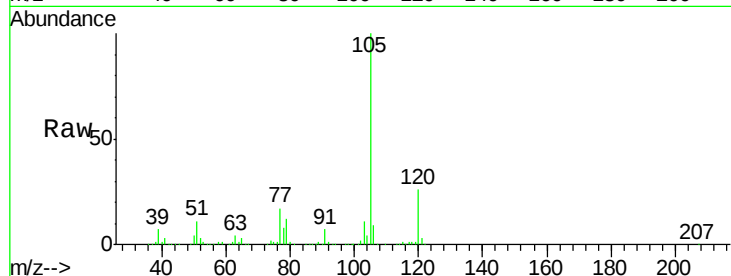
Tgt Ion: 105 Resp: 485532

Ion Ratio Lower Upper

105 100

120 26.4 21.0 31.4

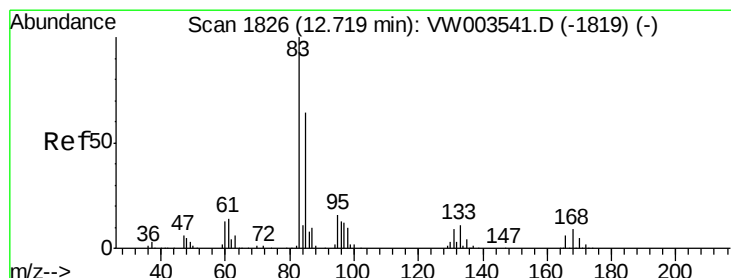
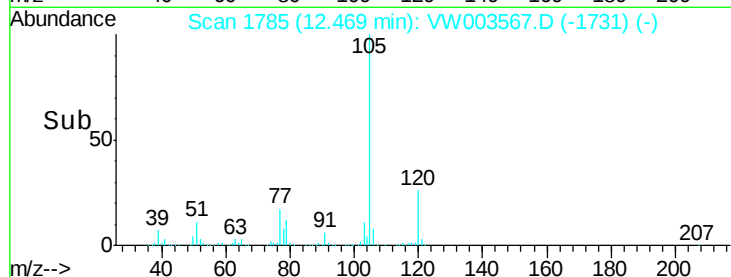
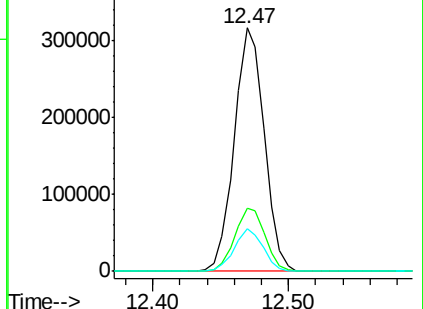
77 16.8 13.3 19.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 29.763 ug/L

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW003567.D

Acq: 26 Jun 2018 02:03

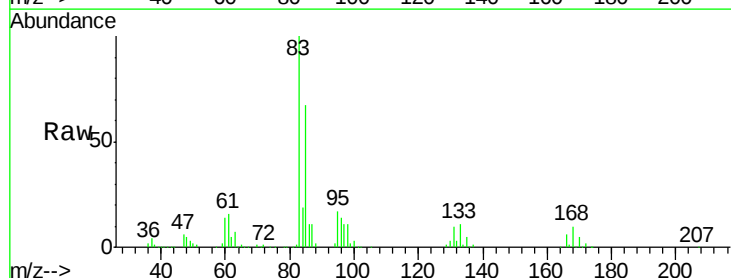
Tgt Ion: 83 Resp: 109340

Ion Ratio Lower Upper

83 100

85 66.7 45.1 83.9

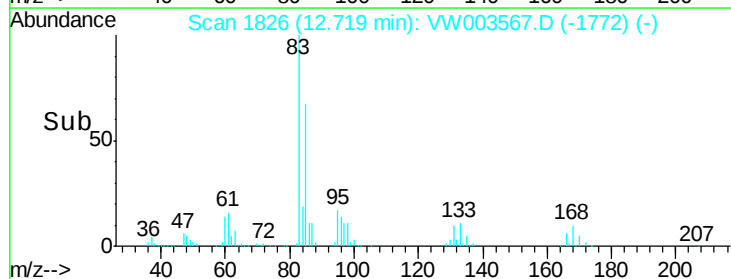
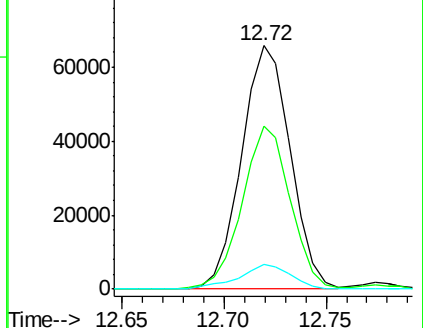
131 10.3 8.2 12.2

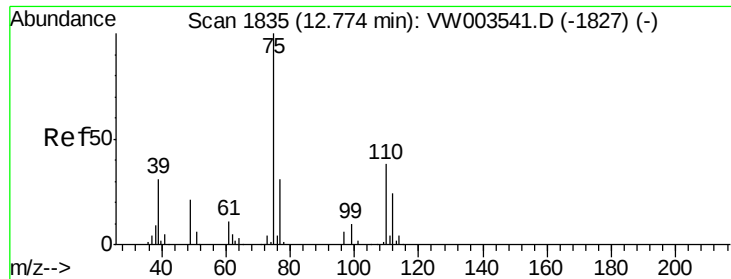


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 30.595 ug/L

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW003567.D

Acq: 26 Jun 2018 02:03

Instrument :

MSVOA_W

ClientSampleId :

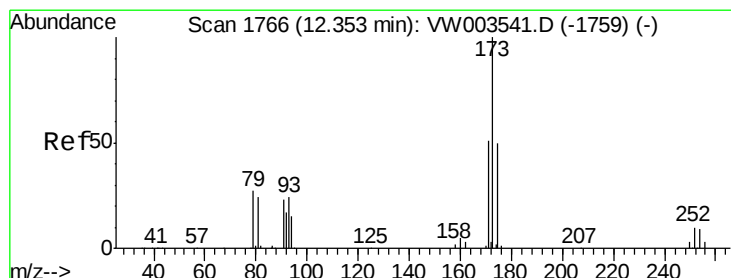
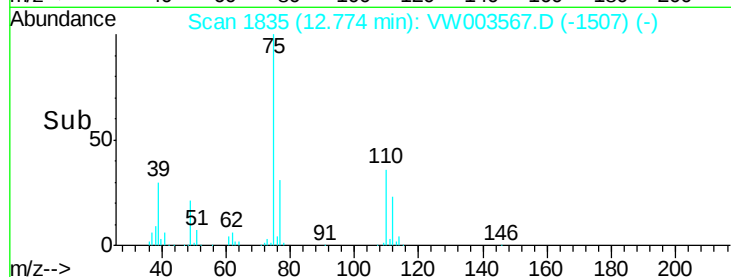
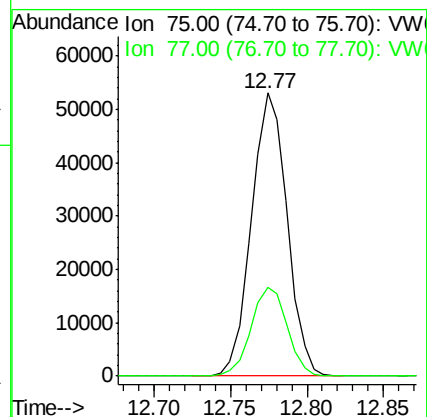
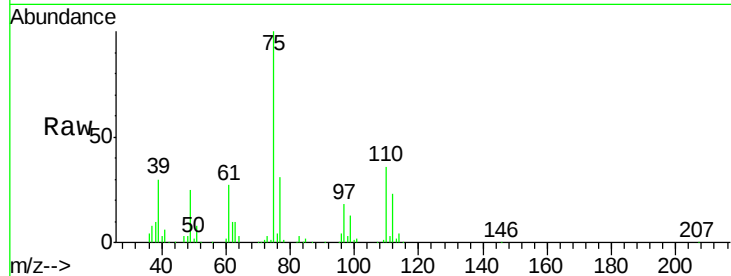
BFB90

Tgt Ion: 75 Resp: 86139

Ion Ratio Lower Upper

75 100

77 31.6 26.0 39.0



#62

Bromoform

Concen: 26.870 ug/L

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW003567.D

Acq: 26 Jun 2018 02:03

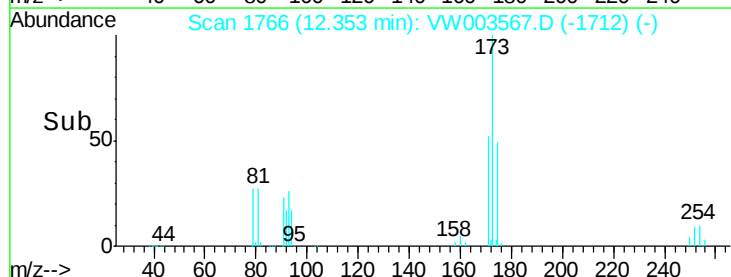
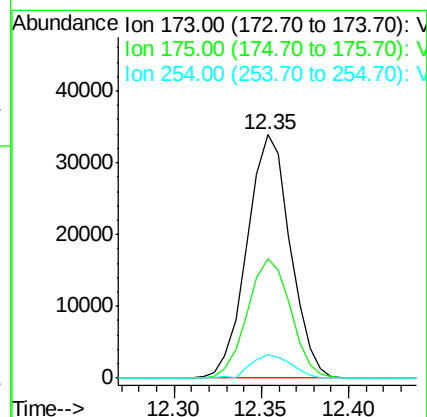
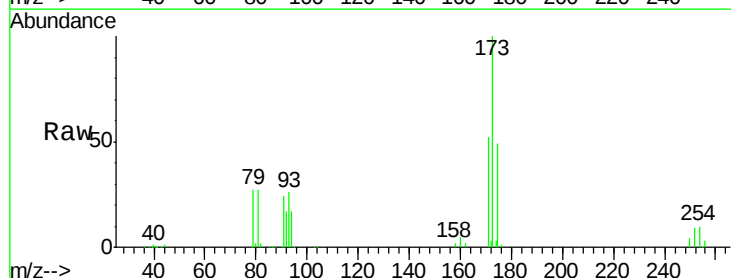
Tgt Ion: 173 Resp: 58270

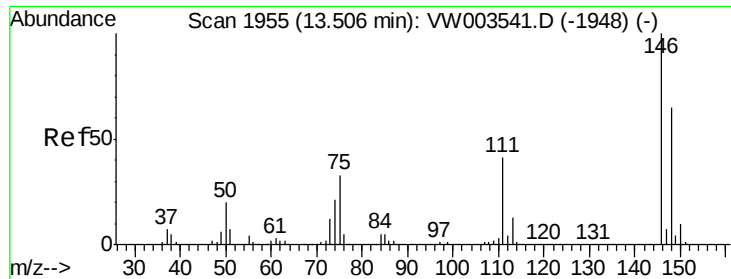
Ion Ratio Lower Upper

173 100

175 48.8 39.9 59.9

254 9.0 7.7 11.5





#63

1,3-Dichlorobenzene

Concen: 25.850 ug/L

RT: 13.51 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW003567.D

Acq: 26 Jun 2018 02:03

Instrument :

MSVOA_W

ClientSampleId :

BFB90

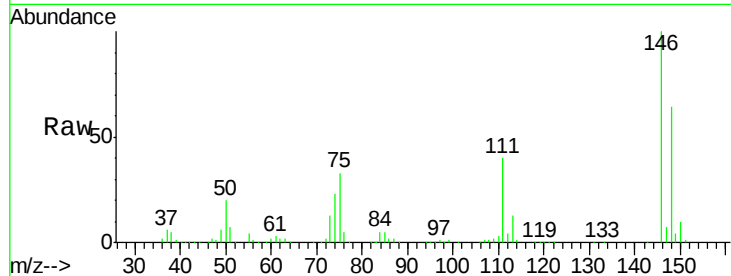
Tgt Ion:146 Resp: 204810

Ion Ratio Lower Upper

146 100

111 39.8 27.9 51.7

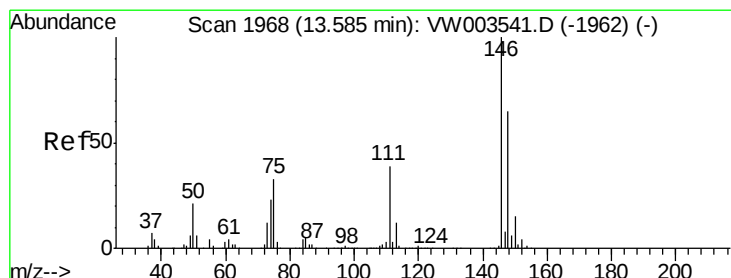
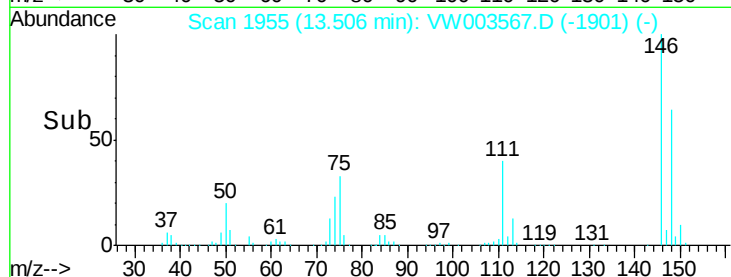
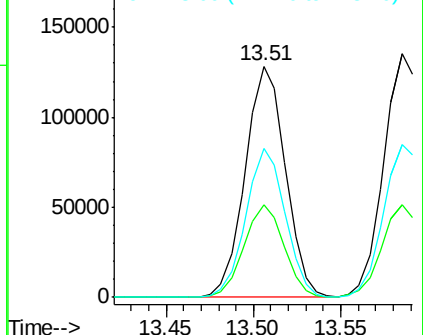
148 64.4 44.9 83.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 25.935 ug/L

RT: 13.58 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VW003567.D

Acq: 26 Jun 2018 02:03

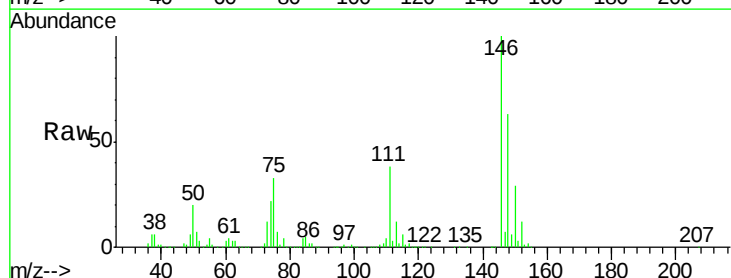
Tgt Ion:146 Resp: 215434

Ion Ratio Lower Upper

146 100

111 38.0 26.8 49.8

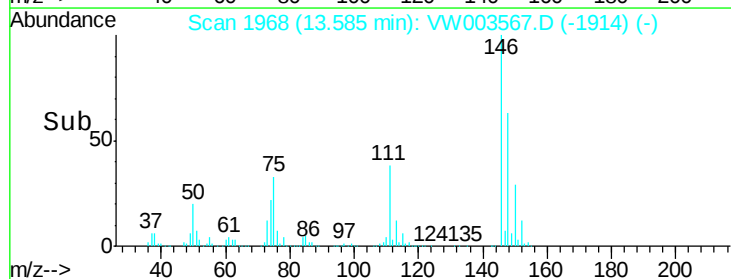
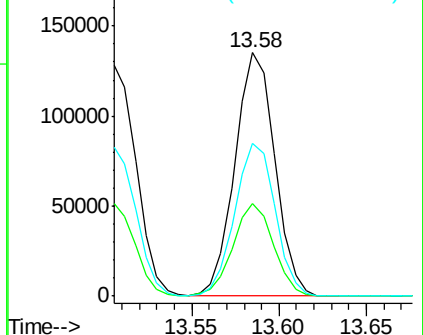
148 62.9 45.4 84.2

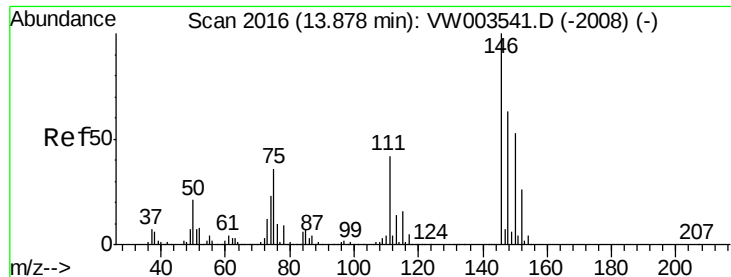


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 26.429 ug/L

RT: 13.88 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VW003567.D

Acq: 26 Jun 2018 02:03

Instrument :

MSVOA_W

ClientSampleId :

BFB90

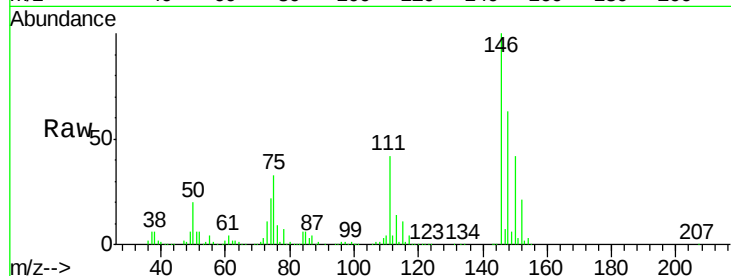
Tgt Ion:146 Resp: 199919

Ion Ratio Lower Upper

146 100

111 41.8 33.1 49.7

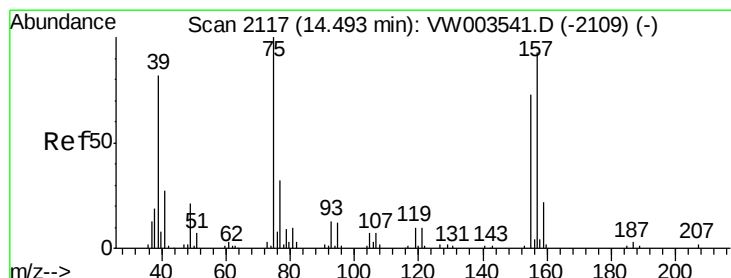
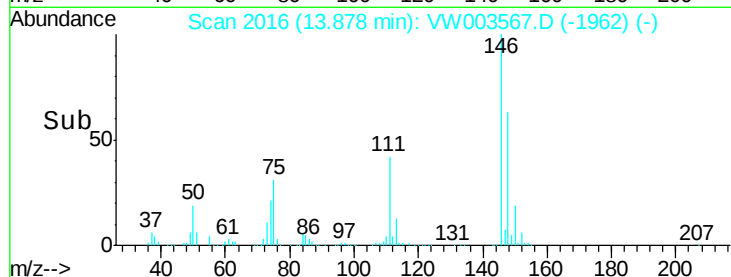
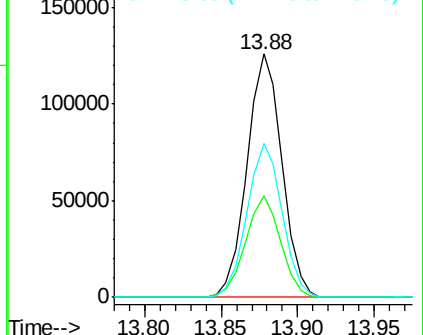
148 63.3 51.0 76.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 31.190 ug/L

RT: 14.49 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VW003567.D

Acq: 26 Jun 2018 02:03

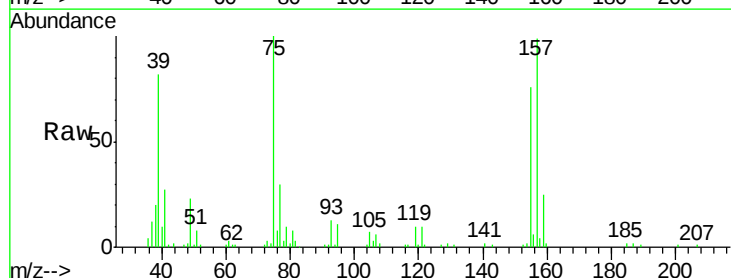
Tgt Ion: 75 Resp: 20705

Ion Ratio Lower Upper

75 100

157 99.1 70.7 106.1

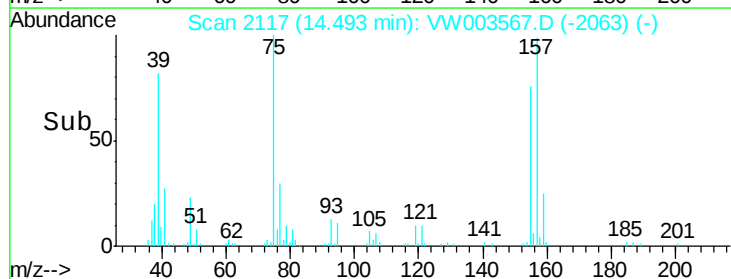
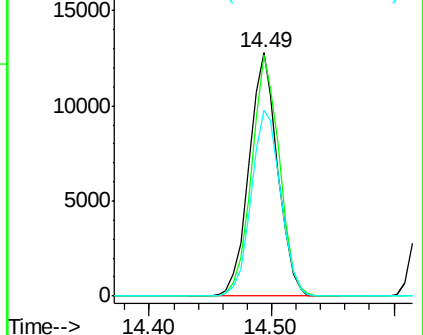
155 76.2 59.0 88.6

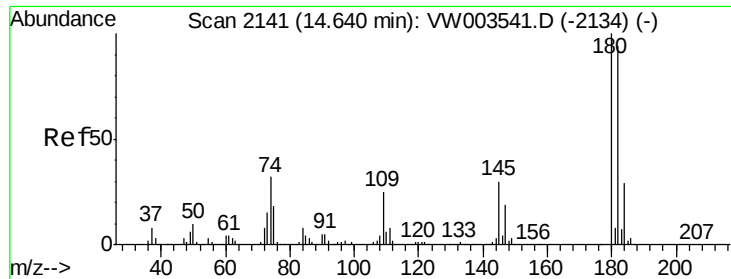


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

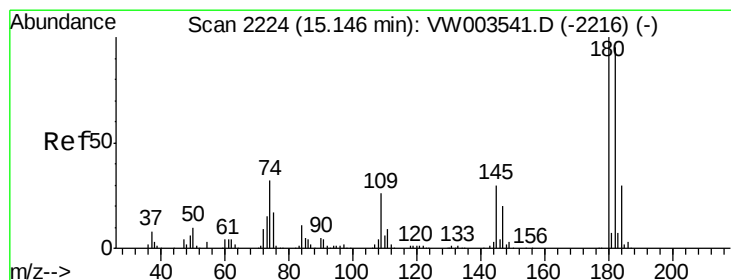
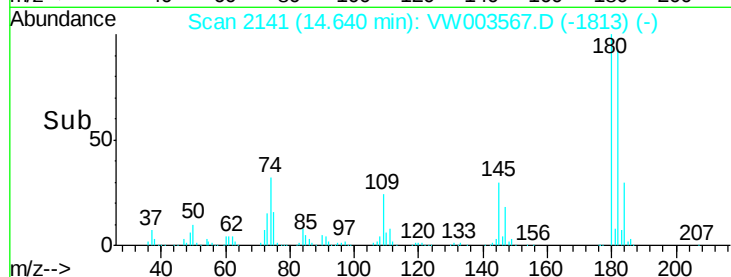
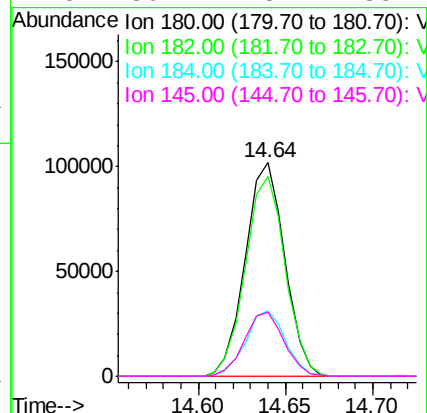
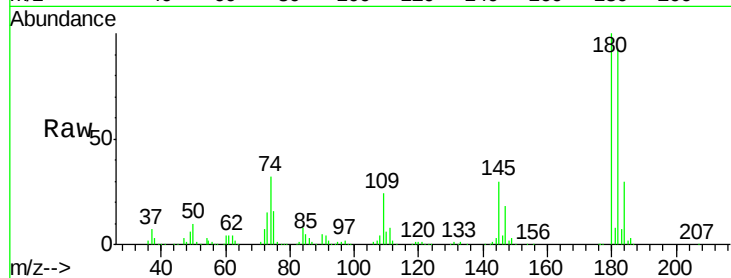




#67
 1,3,5-Trichlorobenzene
 Concen: 26.064 ug/L
 RT: 14.64 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VW003567.D
 Acq: 26 Jun 2018 02:03

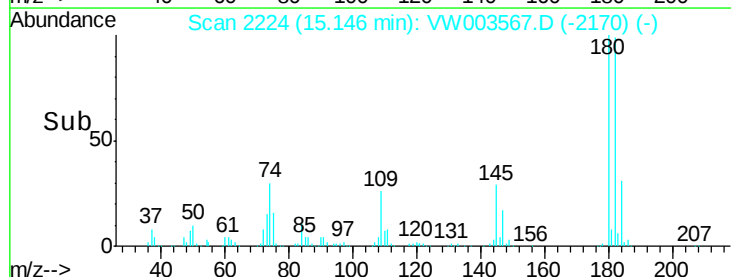
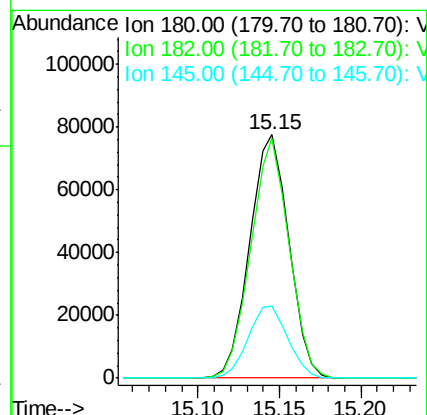
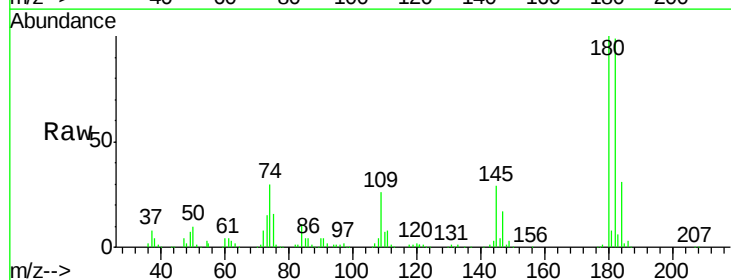
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB90

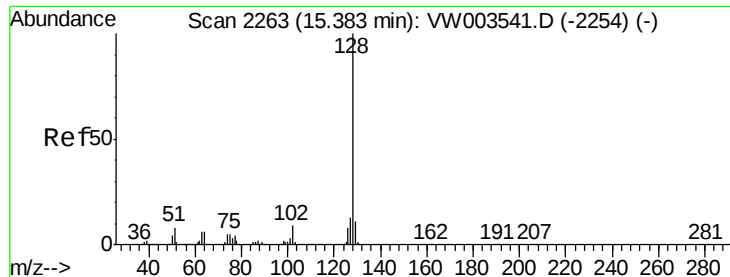
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	75.9	113.9
184	30.4	24.5	36.7
145	30.1	23.4	35.2



#68
 1,2,4-trichlorobenzene
 Concen: 25.877 ug/L
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW003567.D
 Acq: 26 Jun 2018 02:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	74.8	112.2
145	30.2	23.6	35.4





#69

Naphthalene

Concen: 30.441 ug/L

RT: 15.38 min Scan# 2262

Delta R.T. -0.01 min

Lab File: VW003567.D

Acq: 26 Jun 2018 02:03

Instrument :

MSVOA_W

ClientSampleId :

BFB90

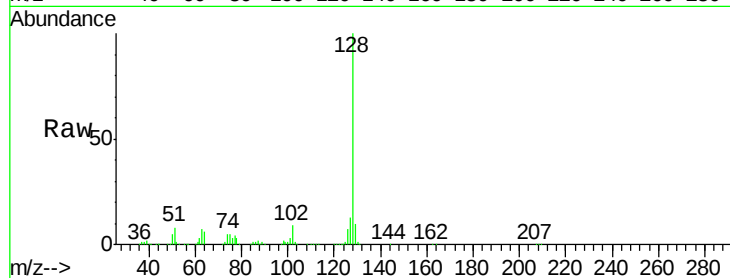
Tgt Ion:128 Resp: 285463

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

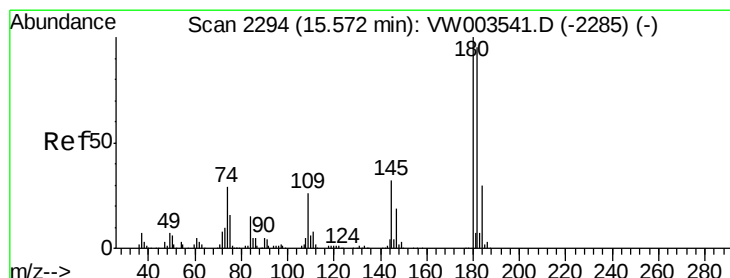
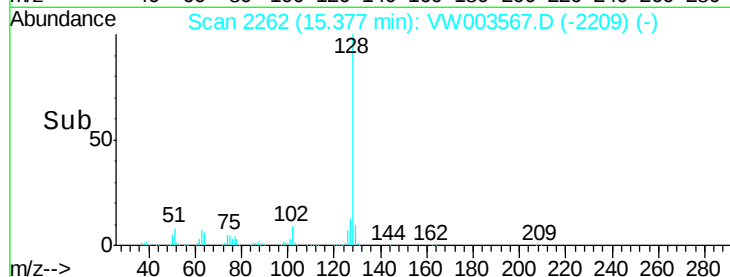
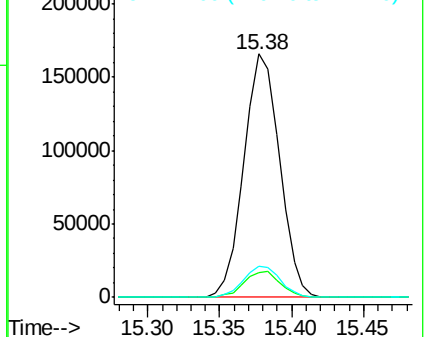
127 13.2 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 27.792 ug/L

RT: 15.57 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VW003567.D

Acq: 26 Jun 2018 02:03

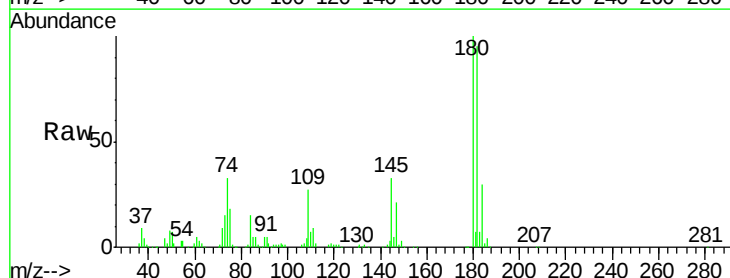
Tgt Ion:180 Resp: 127662

Ion Ratio Lower Upper

180 100

182 95.4 75.4 113.0

145 31.9 25.4 38.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

