

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040319\
 Data File : VW009675.D
 Acq On : 04 Apr 2019 00:00
 Operator : SY/VA
 Sample : K2148-17
 Misc : 5.98G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BF5J3

Quant Time: Apr 05 15:49:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 05 08:15:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	272	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	813	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.59	152	109215	25.00	ug/L	0.03

System Monitoring Compounds

4) Vinyl Chloride-d3	2.39	65	173	48.60	ug/L	0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	194.40%#
7) Chloroethane-d5	2.88	69	161	49.37	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	197.48%#
10) 1,1-Dichloroethene-d2	4.01	63	66	8.62	ug/L	-0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	34.48%#
20) 2-Butanone-d5	7.07	46	57	49.32	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.64%
24) Chloroform-d	7.61	84	49	6.60	ug/L	-0.03
Spiked Amount	25.000	Range	40 - 150	Recovery	=	26.40%#
26) 1,2-Dichloroethane-d4	8.57	65	369	80.98	ug/L	0.27
Spiked Amount	25.000	Range	70 - 130	Recovery	=	323.92%#
29) Benzene-d6	8.28	84	125	2.93	ug/L	0.01
Spiked Amount	25.000	Range	20 - 135	Recovery	=	11.72%#
33) 1,2-Dichloropropane-d6	9.33	67	13366	1013.95	ug/L	0.06
Spiked Amount	25.000	Range	70 - 120	Recovery	=	4055.80%#
37) Toluene-d8	10.32	98	38375	972.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	3890.00%#
38) trans-1,3-Dichloropropene-	10.60	79	1476	234.77	ug/L	0.02
Spiked Amount	25.000	Range	30 - 135	Recovery	=	939.08%#
39) 2-Hexanone-d5	10.94	63	2196	883.84	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	1767.68%#
48) 1,1,2,2-Tetrachloroethane-	12.71	84	177584	14490.44	ug/L	0.01
Spiked Amount	25.000	Range	45 - 120	Recovery	=	57961.76%#
61) 1,2-Dichlorobenzene-d4	13.88	152	175069	45.68	ug/L	0.02
Spiked Amount	25.000	Range	75 - 120	Recovery	=	182.72%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.04	85	46	12.838	ug/L #	49
3) Chloromethane	2.37	50	148	39.970	ug/L	90
5) Vinyl chloride	2.43	62	84	17.686	ug/L #	43
6) Bromomethane	2.78	94	484	147.268	ug/L	56
8) Chloroethane	3.00	64	148	47.477	ug/L	85
9) Trichlorofluoromethane	3.45	101	73	25.055	ug/L	79
12) 1,1-Dichloroethene	4.02	96	113	31.278	ug/L #	1
13) Acetone	4.12	43	103764	83800.369	ug/L	99
14) Carbon disulfide	4.38	76	8534	759.967	ug/L	99
15) Methyl Acetate	4.67	43	1906	844.217	ug/L #	82
16) Methylene chloride	4.92	84	39644	8264.229	ug/L	95
17) Methyl tert-butyl Ether	5.24	73	62	12.458	ug/L #	1
18) trans-1,2-Dichloroethene	5.52	96	54	14.372	ug/L #	1
19) 1,1-Dichloroethane	6.20	63	52	7.212	ug/L #	49
21) 2-Butanone	7.18	43	22848	14508.532	ug/L	99
22) cis-1,2-Dichloroethene	6.87	96	64	15.927	ug/L #	1
25) Chloroform	7.64	83	47	6.223	ug/L	82

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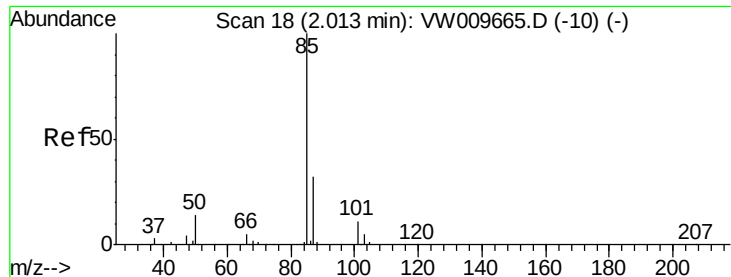
Instrument :
 MSVOA_W
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

27) 1,2-Dichloroethane	8.54	62	45	7.878	ug/L #	1
30) Cyclohexane	7.96	56	884	46.069	ug/L #	1
31) 1,1,1-Trichloroethane	8.10	97	42	2.277	ug/L #	15
34) Benzene	8.32	78	1382	28.254	ug/L	100
35) Trichloroethene	9.10	95	50	3.906	ug/L #	21
36) Methylcyclohexane	9.34	83	89519	4253.528	ug/L #	78
40) 1,2-Dichloropropane	9.38	63	208	16.612	ug/L #	85
41) Bromodichloromethane	9.66	83	110	6.367	ug/L #	25
42) cis-1,3-Dichloropropene	9.98	75	76	3.918	ug/L #	1
43) 4-Methyl-2-pentanone	10.25	43	21741	2235.290	ug/L #	78
44) Toluene	10.38	91	11651	224.848	ug/L	95
45) trans-1,3-Dichloropropene	10.61	75	121	7.235	ug/L #	1
46) 1,1,2-Trichloroethane	10.76	97	278378	29619.371	ug/L #	26
47) Tetrachloroethene	10.86	164	820	81.333	ug/L #	74
49) 2-Hexanone	10.94	43	1290709	178222.730	ug/L #	28
50) Dibromochloromethane	11.16	129	217	18.793	ug/L	88
51) 1,2-Dibromoethane	11.23	107	1244	132.062	ug/L #	1
52) Chlorobenzene	11.67	112	2355	70.607	ug/L #	1
53) Ethylbenzene	11.73	91	7225	122.403	ug/L #	69
54) m,p-Xylene	11.83	106	931	42.644	ug/L #	1
55) o-xylene	12.16	106	1210	58.193	ug/L #	1
56) Styrene	12.19	104	883	24.475	ug/L #	1
57) Isopropylbenzene	12.47	105	314507	5523.982	ug/L #	88
58) 1,1,2,2-Tetrachloroethane	12.69	83	603863	47781.737	ug/L #	96
59) 1,2,3-Trichloropropane	12.75	75	433	46.026	ug/L #	42
66) 1,2-Dibromo-3-chloropropan	14.51	75	26054	41.411	ug/L #	37
67) 1,3,5-Trichlorobenzene	14.66	180	3562	0.711	ug/L #	1
68) 1,2,4-trichlorobenzene	15.12	180	21757	5.405	ug/L #	1
69) Naphthalene	15.37	128	18400	2.274	ug/L #	69
70) 1,2,3-Trichlorobenzene	15.53	180	110189	29.260	ug/L #	1

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



#2

Dichlorodifluoromethane

Concen: 12.838 ug/L

RT: 2.04 min Scan# 23

Delta R.T. 0.03 min

Lab File: VW009675.D

Acq: 04 Apr 2019 00:00

Instrument :

MSVOA_W

ClientSampleId :

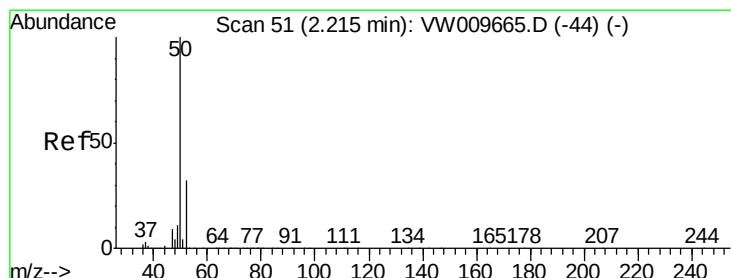
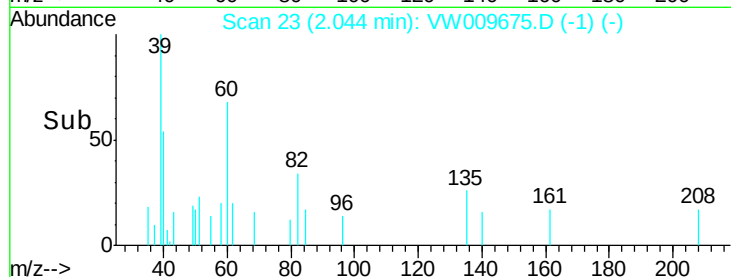
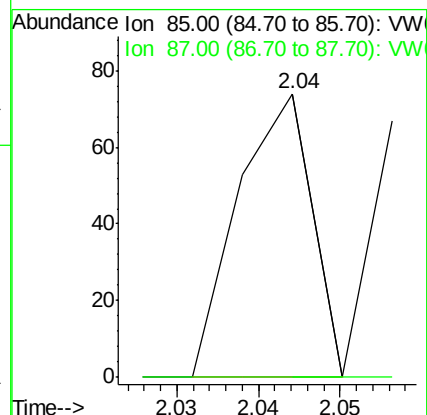
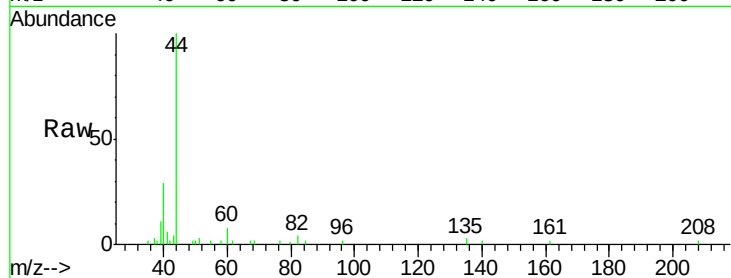
BF5J3

Tot Ion: 85 Resp: 46

Ion Ratio Lower Upper

85 100

87 0.0 18.1 33.5#



#3

Chloromethane

Concen: 39.970 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.16 min

Lab File: VW009675.D

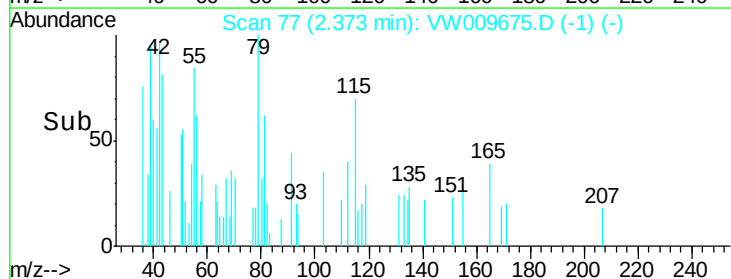
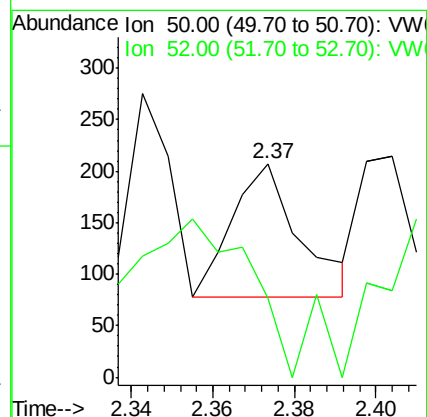
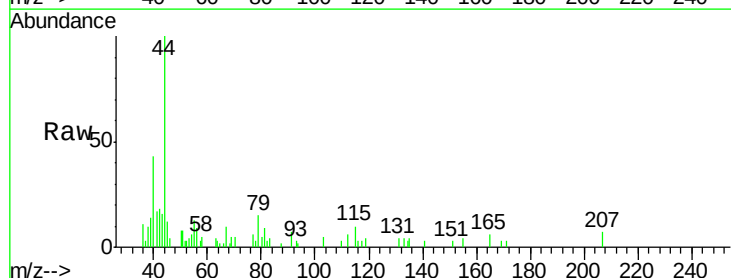
Acq: 04 Apr 2019 00:00

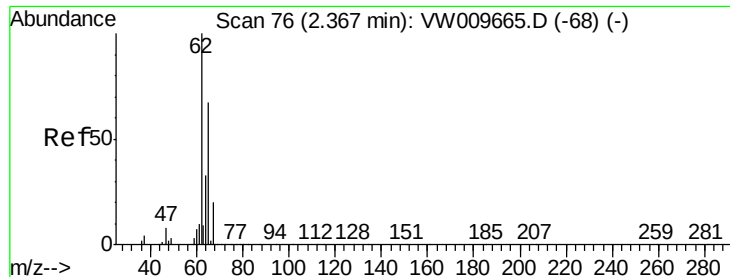
Tgt Ion: 50 Resp: 148

Ion Ratio Lower Upper

50 100

52 37.2 22.3 41.3





#5

Vinyl chloride

Concen: 17.686 ug/L

RT: 2.43 min Scan# 86

Delta R.T. 0.06 min

Lab File: VW009675.D

Acq: 04 Apr 2019 00:00

Instrument :

MSVOA_W

ClientSampleId :

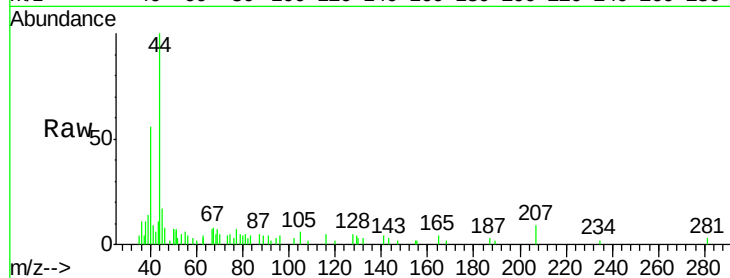
BF5J3

Tot Ion: 62 Resp: 84

Ion Ratio Lower Upper

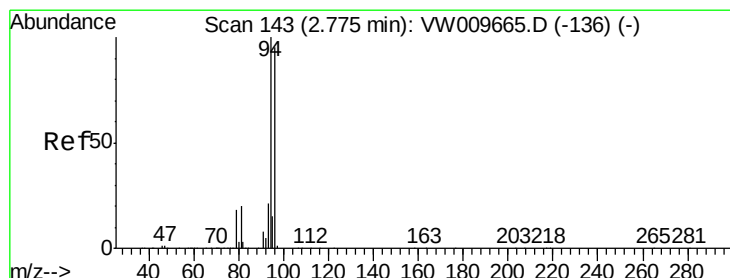
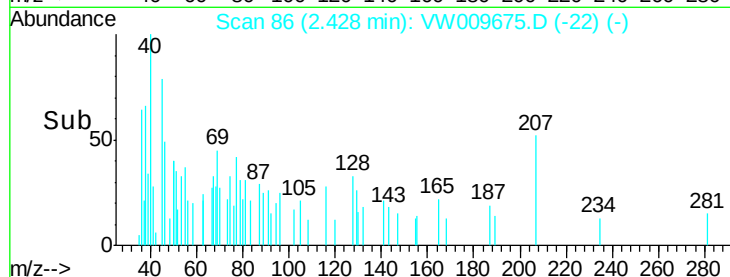
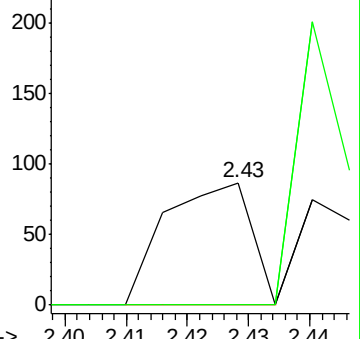
62 100

64 0.0 21.8 40.6#



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 64.00 (63.70 to 64.70): VW



#6

Bromomethane

Concen: 147.268 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW009675.D

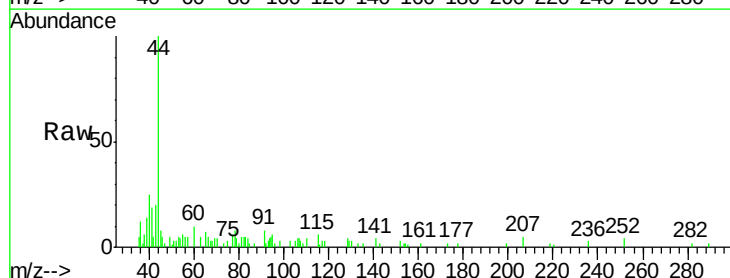
Acq: 04 Apr 2019 00:00

Tgt Ion: 94 Resp: 484

Ion Ratio Lower Upper

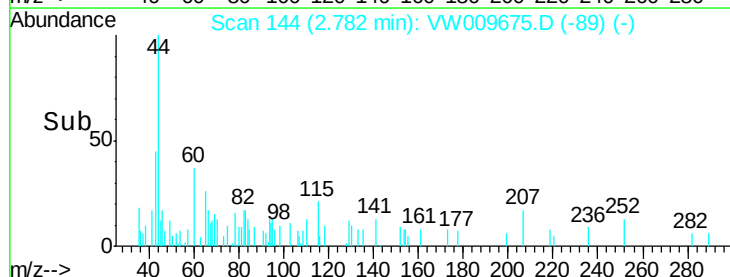
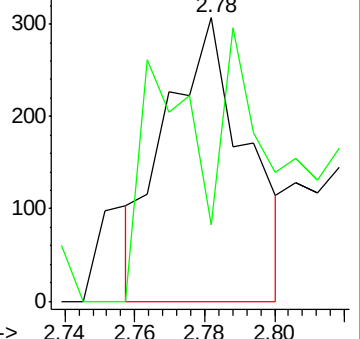
94 100

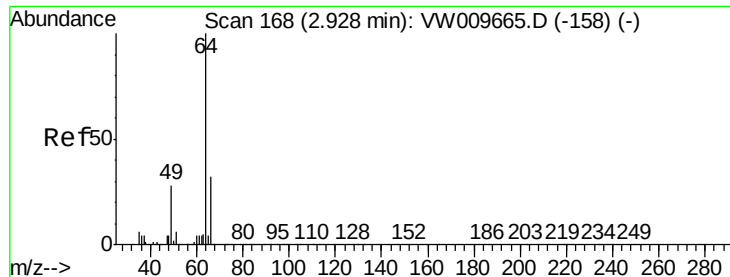
96 50.6 9.3 177.3



Abundance Ion 94.00 (93.70 to 94.70): VW

Ion 96.00 (95.70 to 96.70): VW





#8

Chloroethane

Concen: 47.477 ug/L

RT: 3.00 min Scan# 180

Delta R.T. 0.07 min

Lab File: VW009675.D

Acq: 04 Apr 2019 00:00

Instrument :

MSVOA_W

ClientSampleId :

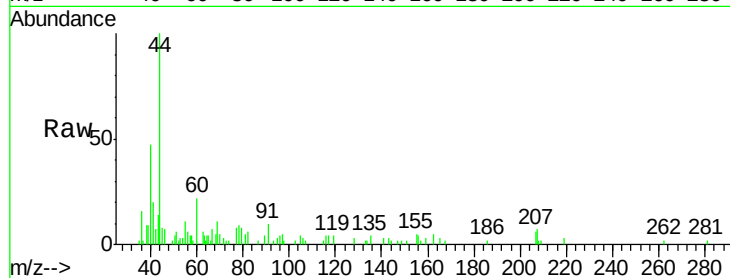
BF5J3

Tot Ion: 64 Resp: 148

Ion Ratio Lower Upper

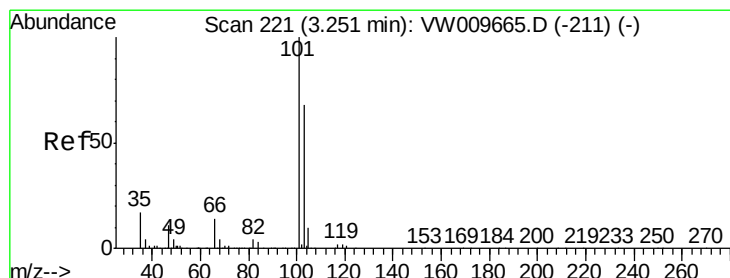
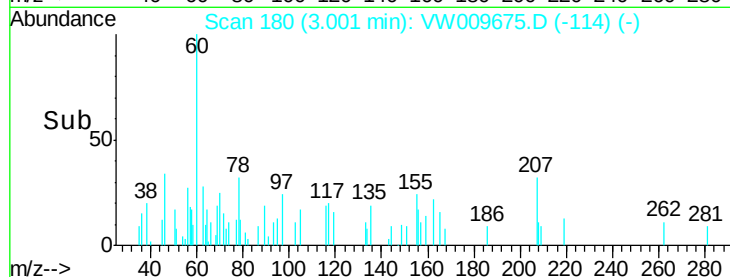
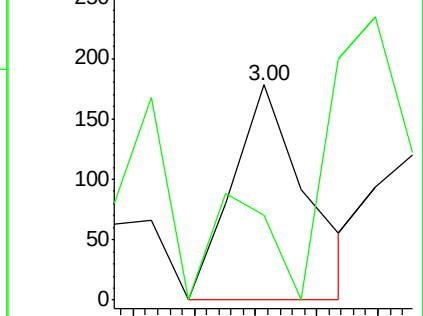
64 100

66 39.3 21.6 40.2



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW



#9

Trichlorofluoromethane

Concen: 25.055 ug/L

RT: 3.45 min Scan# 253

Delta R.T. 0.20 min

Lab File: VW009675.D

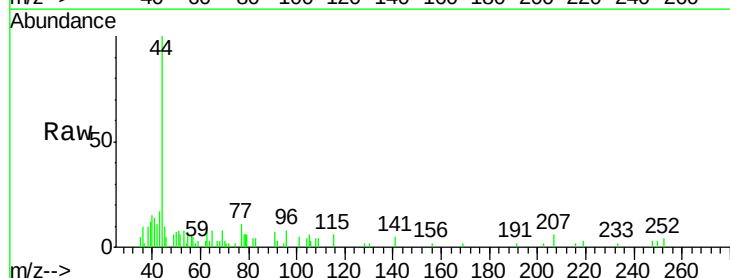
Acq: 04 Apr 2019 00:00

Tgt Ion: 101 Resp: 73

Ion Ratio Lower Upper

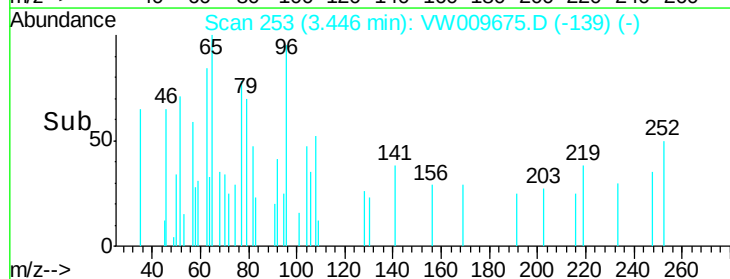
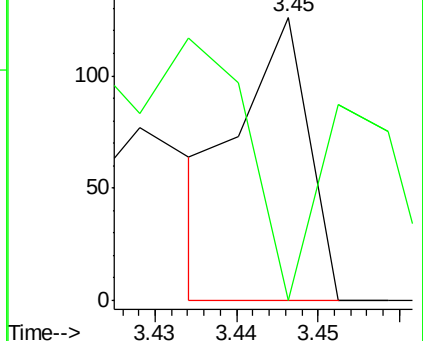
101 100

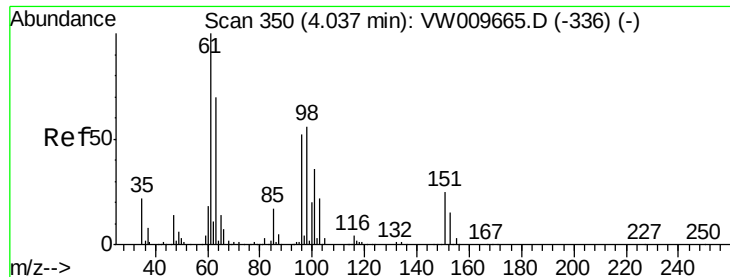
103 80.8 45.1 83.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#12

1,1-Dichloroethene

Concen: 31.278 ug/L

RT: 4.02 min Scan# 347

Delta R.T. -0.02 min

Lab File: VW009675.D

Acq: 04 Apr 2019 00:00

Instrument :

MSVOA_W

ClientSampleId :

BF5J3

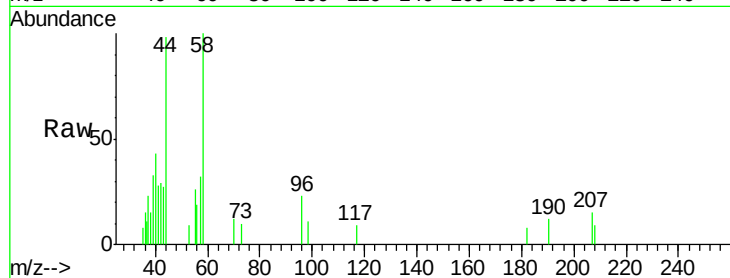
Tot Ion: 96 Resp: 113

Ion Ratio Lower Upper

96 100

61 0.0 138.8 257.8#

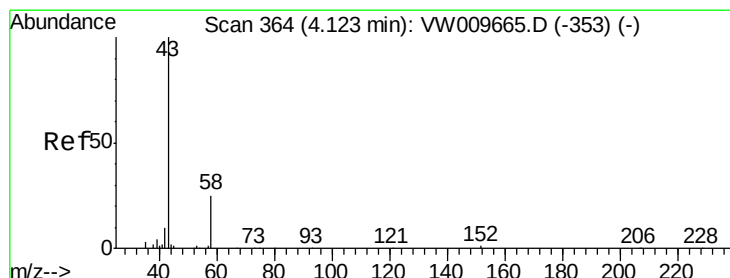
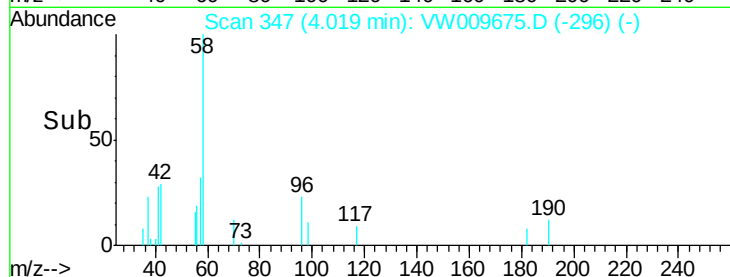
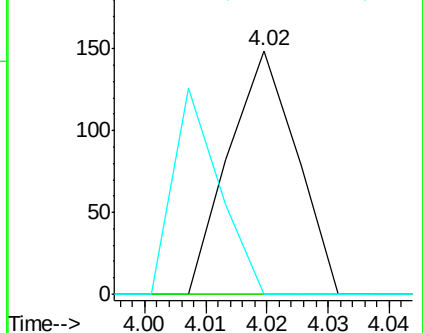
63 0.0 114.6 212.8#



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: 83800.369 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW009675.D

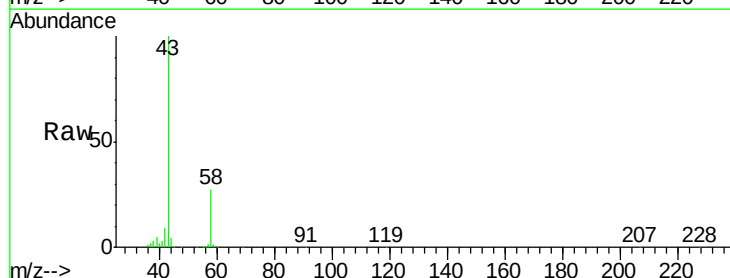
Acq: 04 Apr 2019 00:00

Tgt Ion: 43 Resp: 103764

Ion Ratio Lower Upper

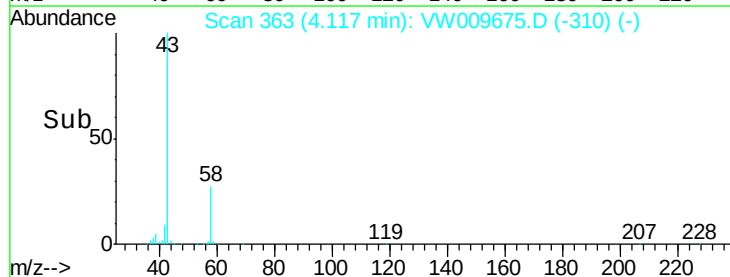
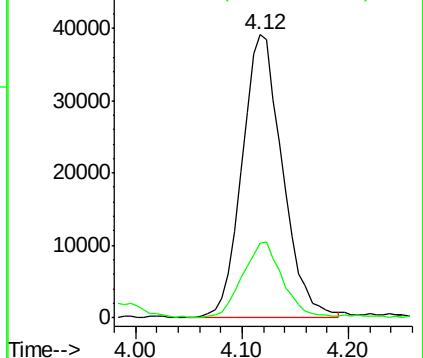
43 100

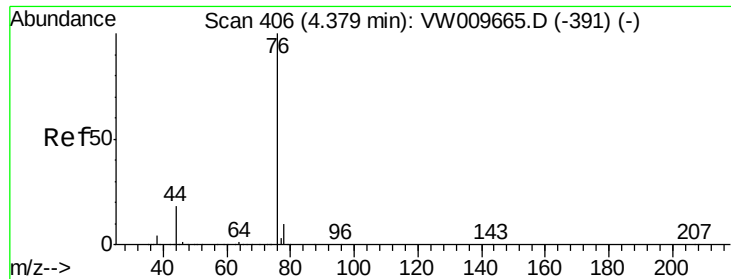
58 26.1 0.0 53.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#14

Carbon disulfide

Concen: 759.967 ug/L

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW009675.D

Acq: 04 Apr 2019 00:00

Instrument :

MSVOA_W

ClientSampled :

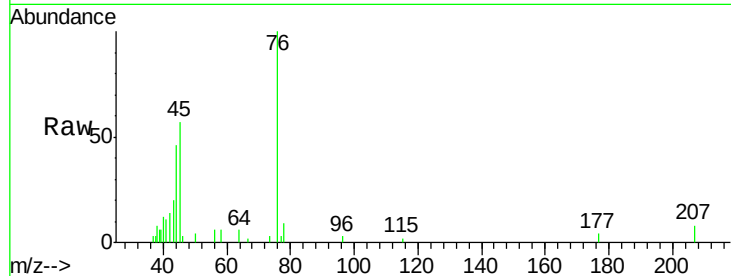
BF5J3

Tot Ion: 76 Resp: 8534

Ion Ratio Lower Upper

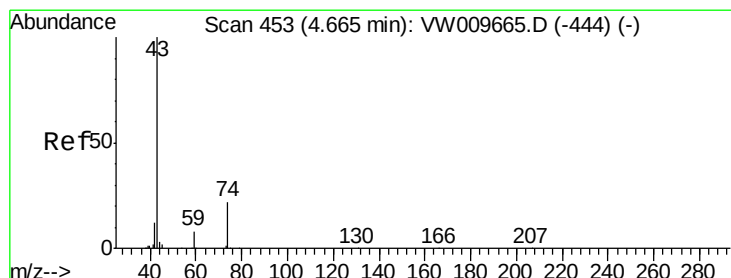
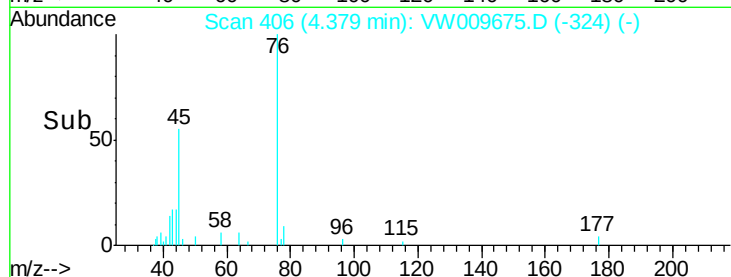
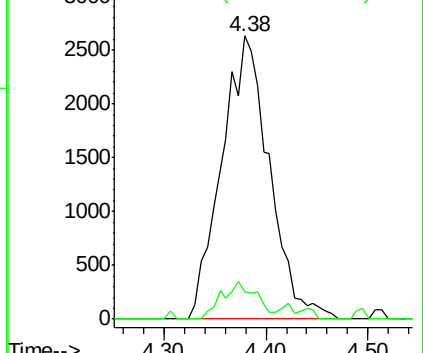
76 100

78 9.5 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW



#15

Methyl Acetate

Concen: 844.217 ug/L

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW009675.D

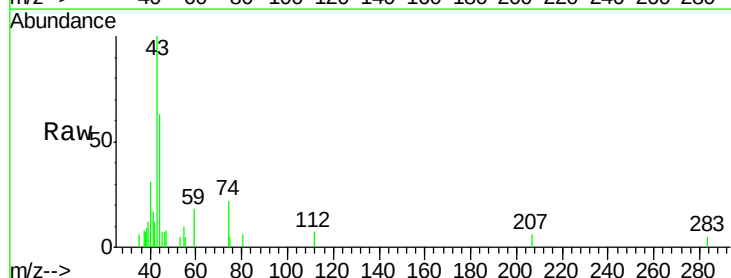
Acq: 04 Apr 2019 00:00

Tgt Ion: 43 Resp: 1906

Ion Ratio Lower Upper

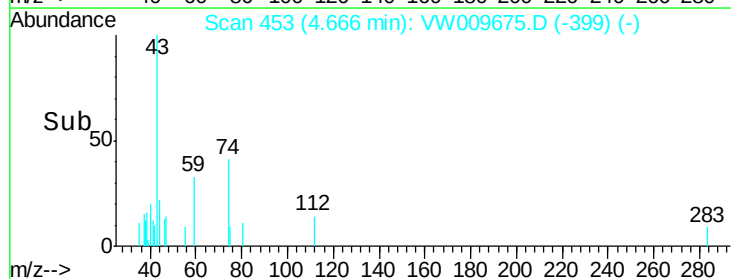
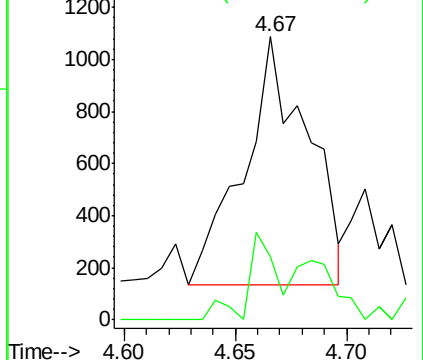
43 100

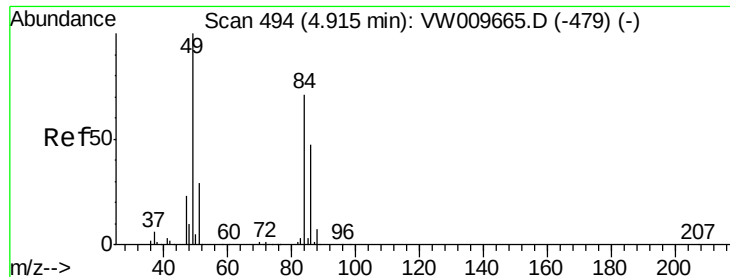
74 13.0 17.2 25.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

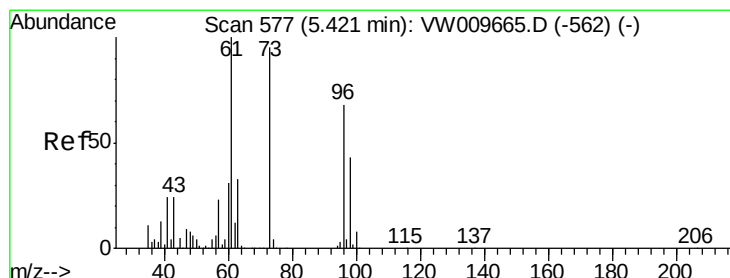
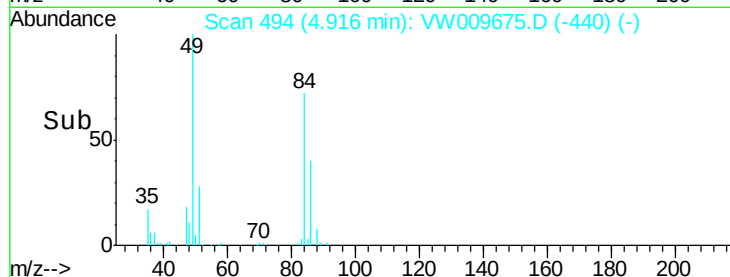
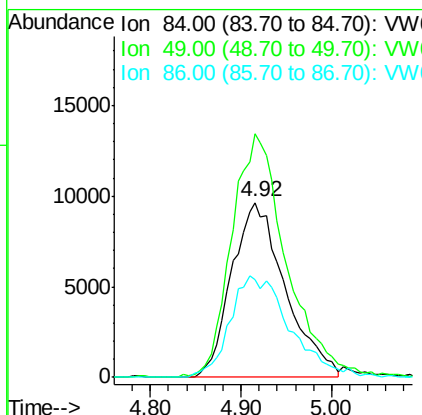
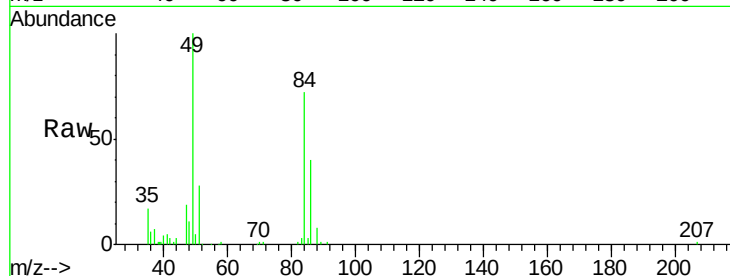




#16
Methylene chloride
Concen: 8264.229 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009675.D
Acq: 04 Apr 2019 00:00

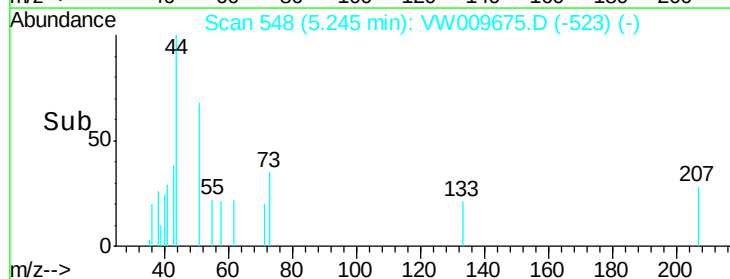
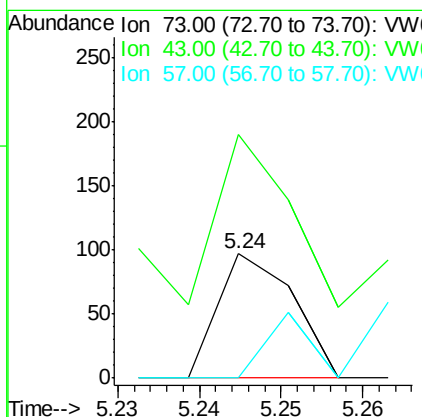
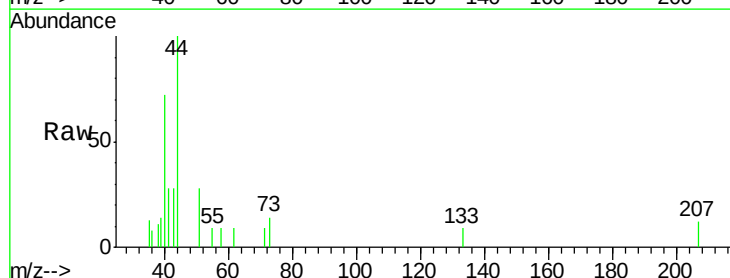
Instrument :
MSVOA_W
ClientSampled :
BF5J3

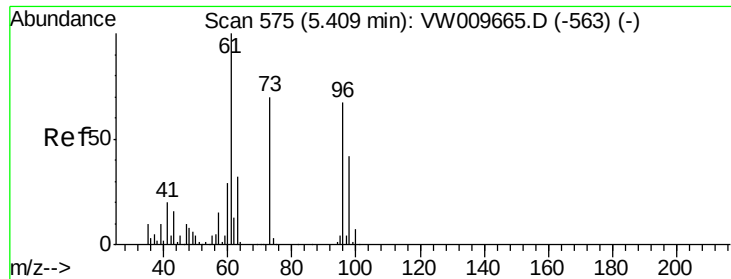
Tot Ion: 84 Resp: 39644
Ion Ratio Lower Upper
84 100
49 139.2 98.3 182.5
86 55.8 46.4 86.2



#17
Methyl tert-butyl Ether
Concen: 12.458 ug/L
RT: 5.24 min Scan# 548
Delta R.T. -0.18 min
Lab File: VW009675.D
Acq: 04 Apr 2019 00:00

Tgt Ion: 73 Resp: 62
Ion Ratio Lower Upper
73 100
43 225.8 20.2 30.2#
57 30.6 17.8 26.8#





#18

trans-1,2-Dichloroethene

Concen: 14.372 ug/L

RT: 5.52 min Scan# 593

Delta R.T. 0.11 min

Lab File: VW009675.D

Acq: 04 Apr 2019 00:00

Instrument :

MSVOA_W

ClientSampled :

BF5J3

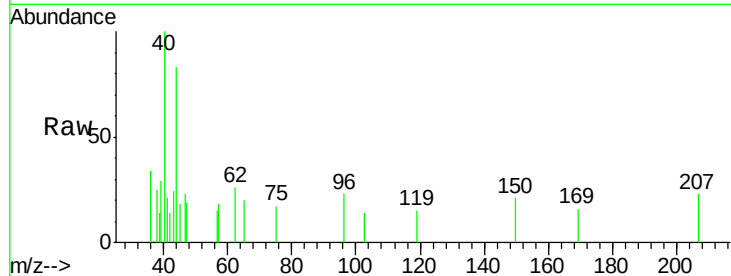
Tot Ion: 96 Resp: 54

Ion Ratio Lower Upper

96 100

61 0.0 103.7 192.5#

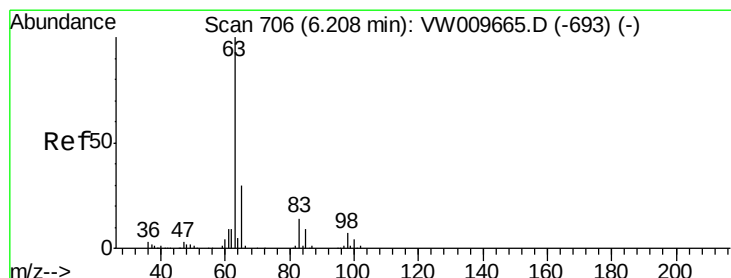
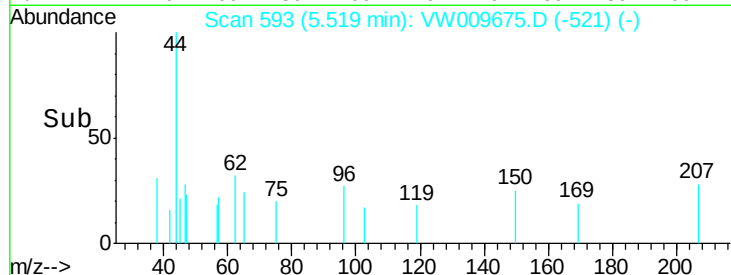
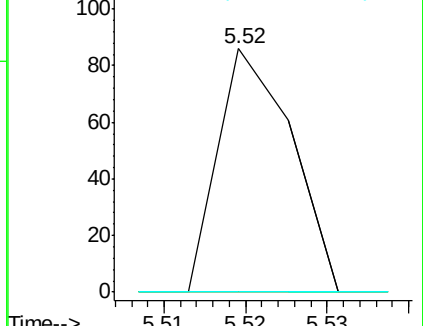
98 0.0 43.7 81.1#



Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW



#19

1,1-Dichloroethane

Concen: 7.212 ug/L

RT: 6.20 min Scan# 705

Delta R.T. -0.01 min

Lab File: VW009675.D

Acq: 04 Apr 2019 00:00

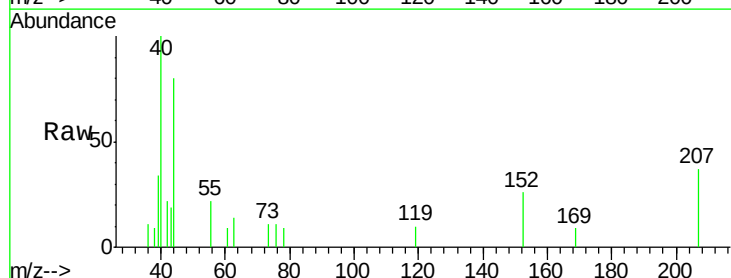
Tgt Ion: 63 Resp: 52

Ion Ratio Lower Upper

63 100

65 0.0 22.6 42.0#

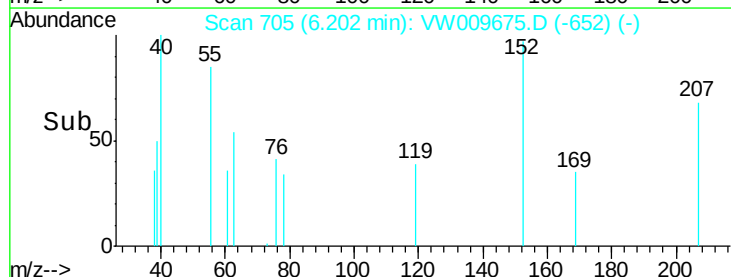
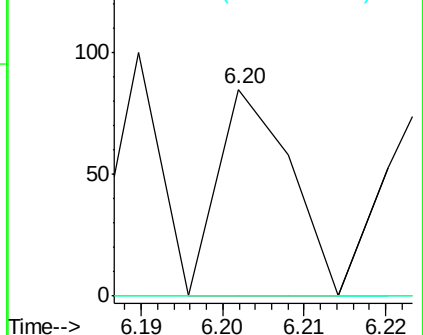
83 0.0 9.8 18.2#

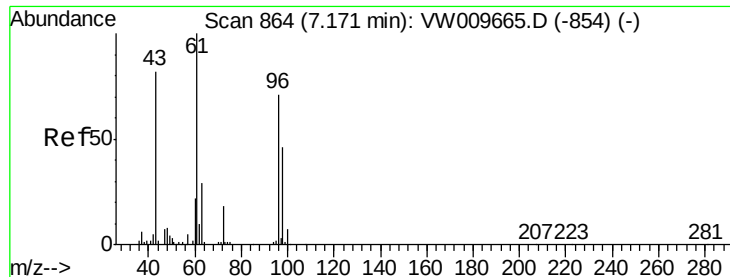


Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 65.00 (64.70 to 65.70): VW

Ion 83.00 (82.70 to 83.70): VW





#21

2-Butanone

Concen: 14508.532 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW009675.D

Acq: 04 Apr 2019 00:00

Instrument :

MSVOA_W

ClientSampleId :

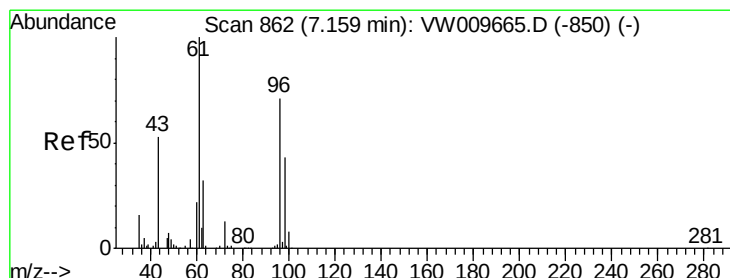
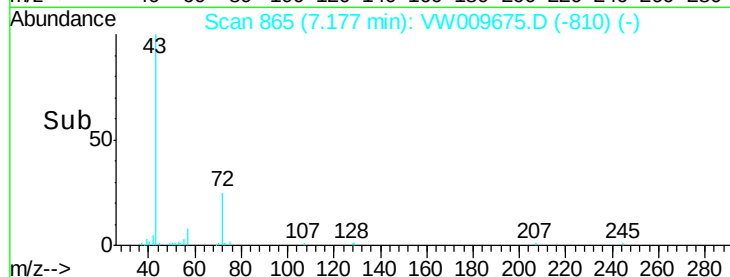
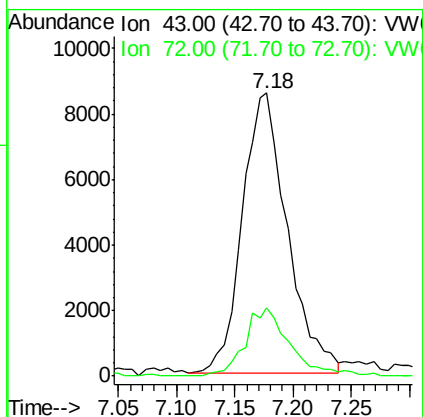
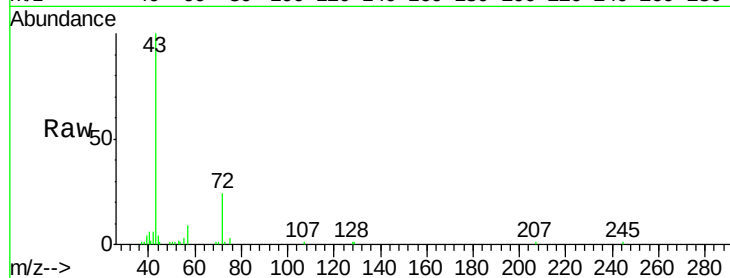
BF5J3

Tot Ion: 43 Resp: 22848

Ion Ratio Lower Upper

43 100

72 23.7 12.0 36.1



#22

cis-1,2-Dichloroethene

Concen: 15.927 ug/L

RT: 6.87 min Scan# 814

Delta R.T. -0.29 min

Lab File: VW009675.D

Acq: 04 Apr 2019 00:00

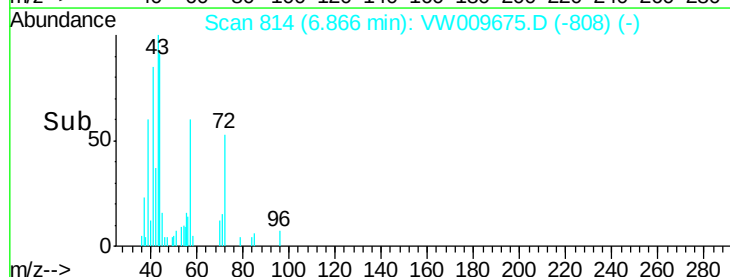
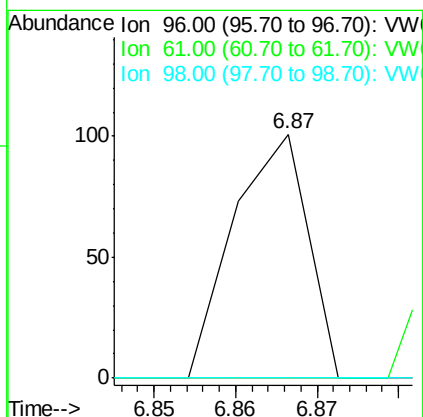
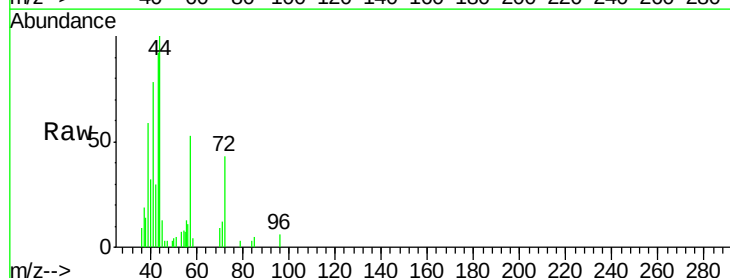
Tgt Ion: 96 Resp: 64

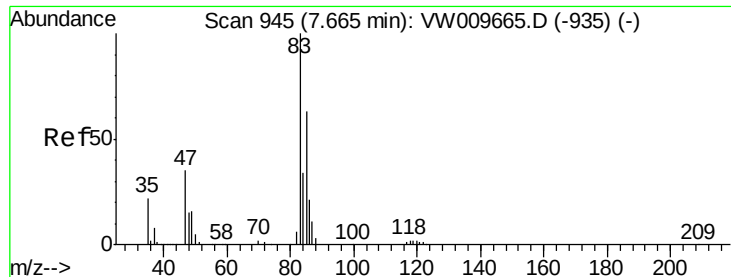
Ion Ratio Lower Upper

96 100

61 0.0 96.8 179.8#

98 0.0 43.5 80.9#





#25

Chloroform

Concen: 6.223 ug/L

RT: 7.64 min Scan# 941

Delta R.T. -0.02 min

Lab File: VW009675.D

Acq: 04 Apr 2019 00:00

Instrument :

MSVOA_W

ClientSampleId :

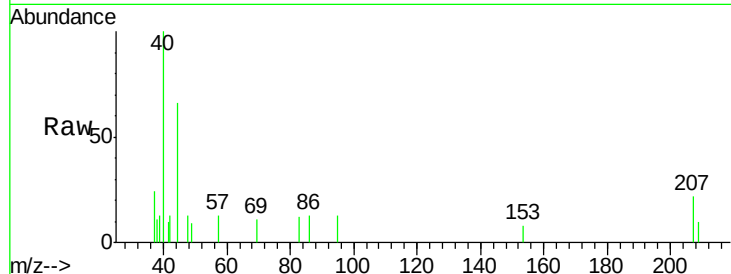
BF5J3

Tot Ion: 83 Resp: 47

Ion Ratio Lower Upper

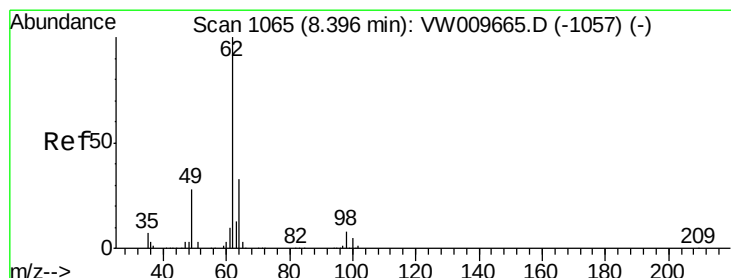
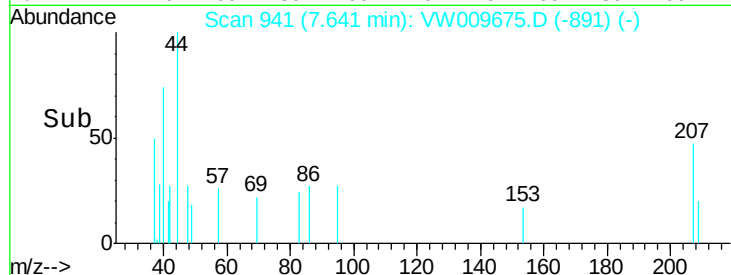
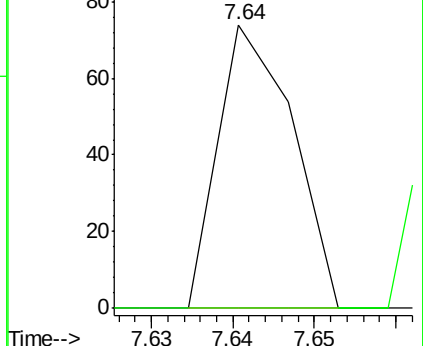
83 100

85 51.1 45.6 84.8



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#27

1,2-Dichloroethane

Concen: 7.878 ug/L

RT: 8.54 min Scan# 1088

Delta R.T. 0.14 min

Lab File: VW009675.D

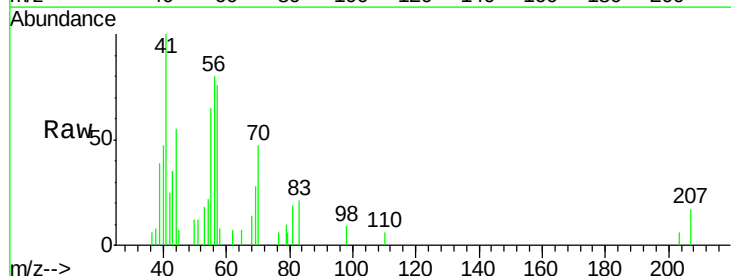
Acq: 04 Apr 2019 00:00

Tgt Ion: 62 Resp: 45

Ion Ratio Lower Upper

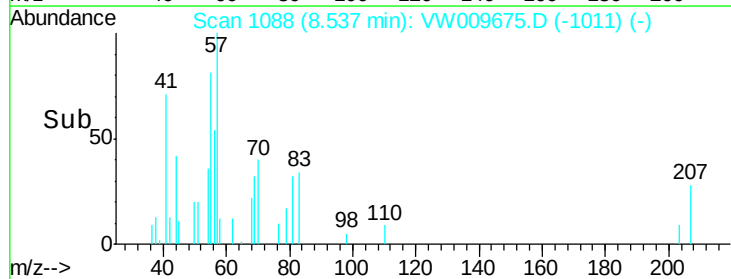
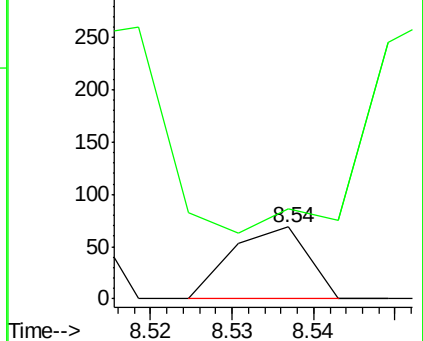
62 100

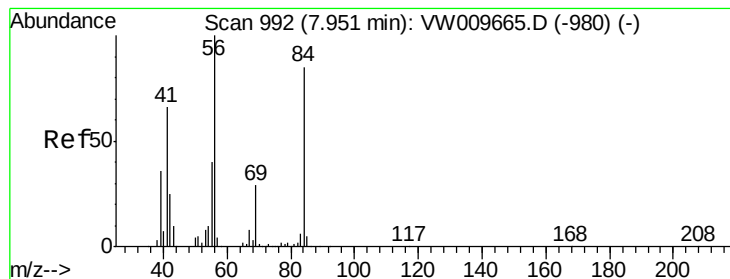
98 124.6 7.0 10.4#



Abundance Ion 62.00 (61.70 to 62.70): VW

Ion 98.00 (97.70 to 98.70): VW





#30

Cvclohexane

Concen: 46.069 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.01 min

Lab File: VW009675.D

Acq: 04 Apr 2019 00:00

Instrument :

MSVOA_W

ClientSampleId :

BF5J3

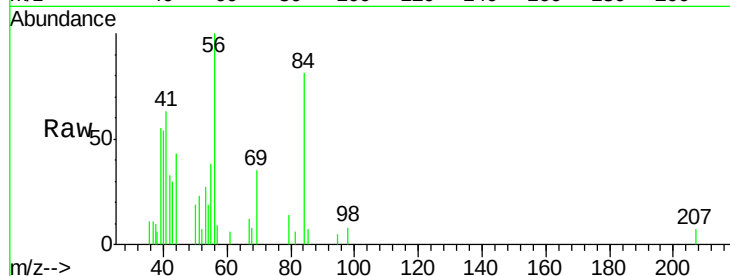
Tot Ion: 56 Resp: 884

Ion Ratio Lower Upper

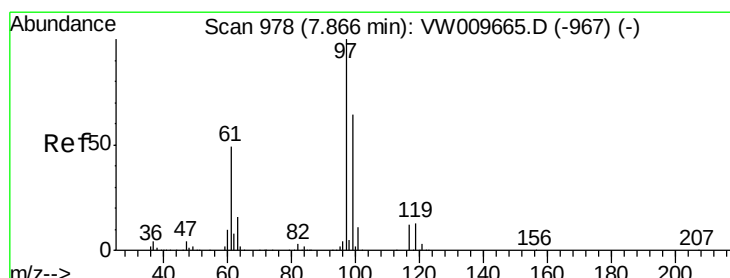
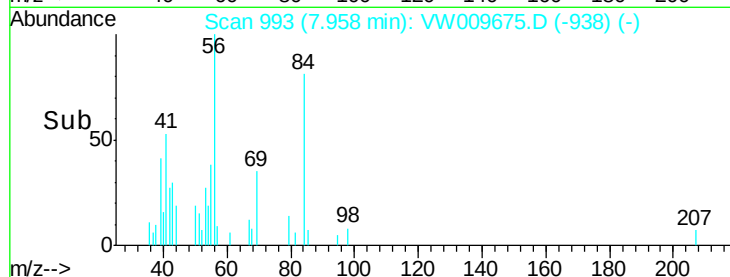
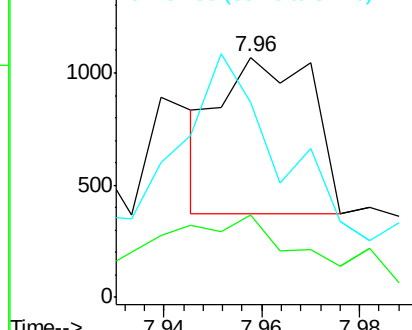
56 100

69 34.4 23.4 35.2

84 254.1 67.7 101.5#



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



#31

1,1,1-Trichloroethane

Concen: 2.277 ug/L

RT: 8.10 min Scan# 1017

Delta R.T. 0.24 min

Lab File: VW009675.D

Acq: 04 Apr 2019 00:00

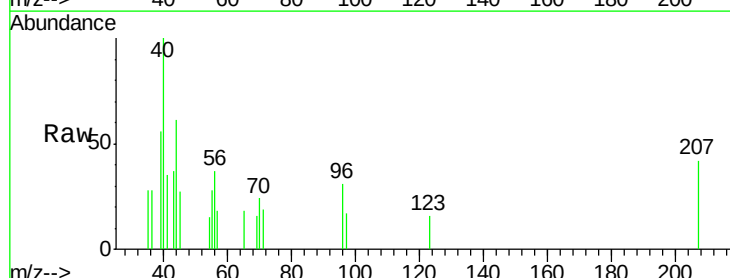
Tgt Ion: 97 Resp: 42

Ion Ratio Lower Upper

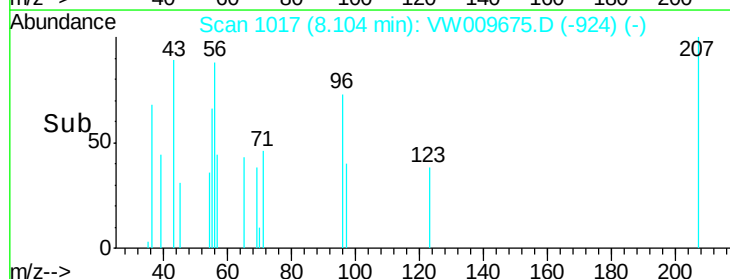
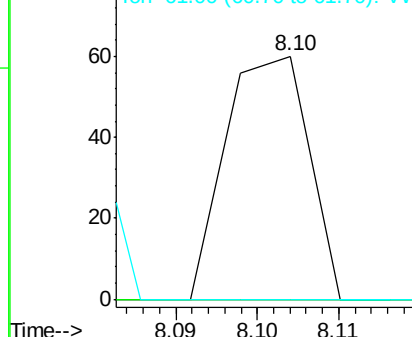
97 100

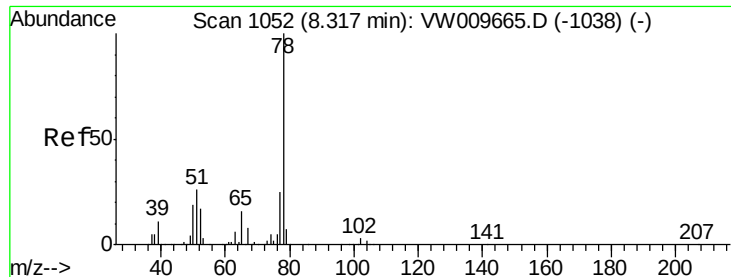
99 0.0 50.8 76.2#

61 109.5 38.6 57.8#



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





#34

Benzene

Concen: 28.254 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VW009675.D

Acq: 04 Apr 2019 00:00

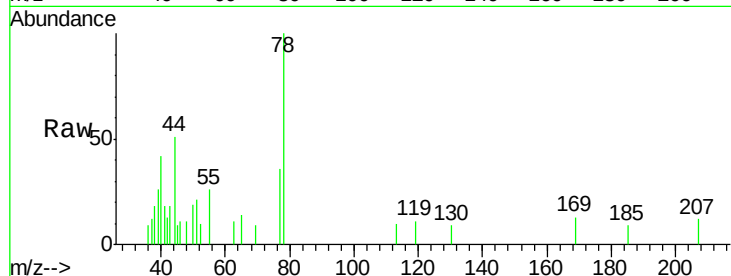
Instrument :

MSVOA_W

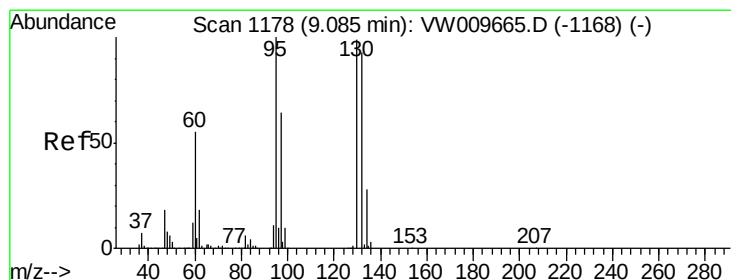
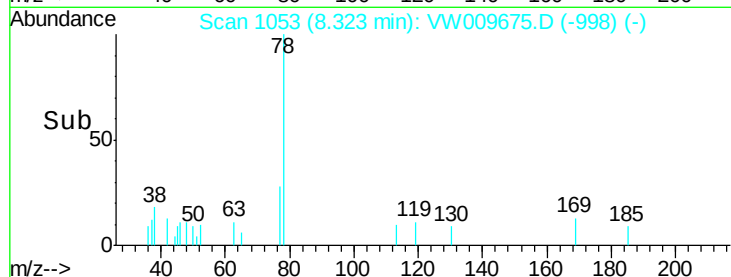
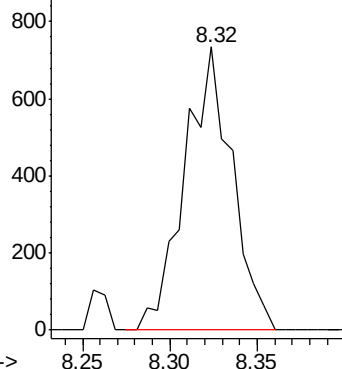
ClientSampled :

BF5J3

Tgt Ion: 78 Resp: 1382



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 3.906 ug/L

RT: 9.10 min Scan# 1181

Delta R.T. 0.02 min

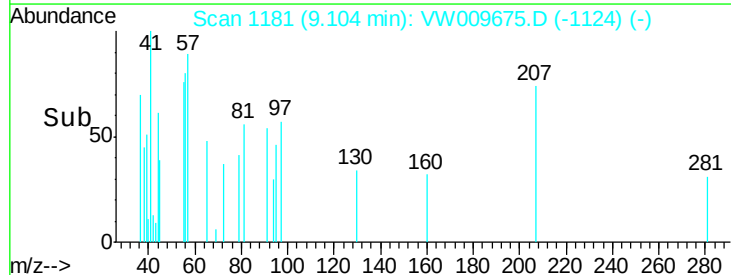
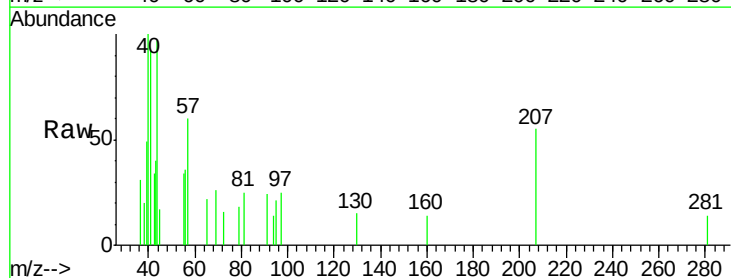
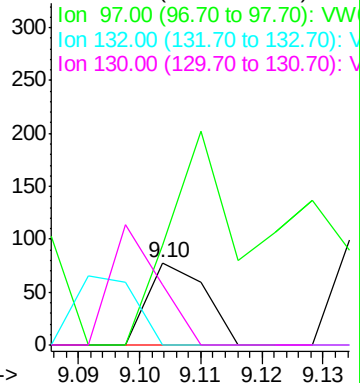
Lab File: VW009675.D

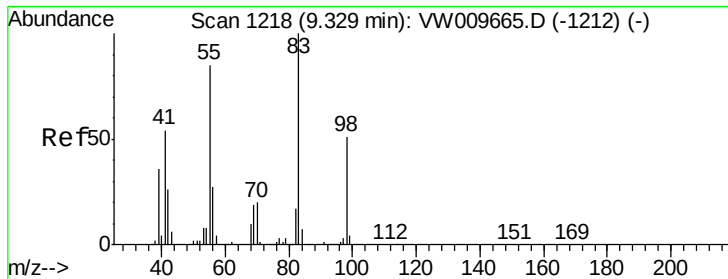
Acq: 04 Apr 2019 00:00

Tgt Ion: 95 Resp: 50

Ion	Ratio	Lower	Upper
95	100		
97	276.0	44.9	83.5#
132	92.0	67.1	124.7
130	126.0	69.2	128.6

Abundance Ion 95.00 (94.70 to 95.70): VW

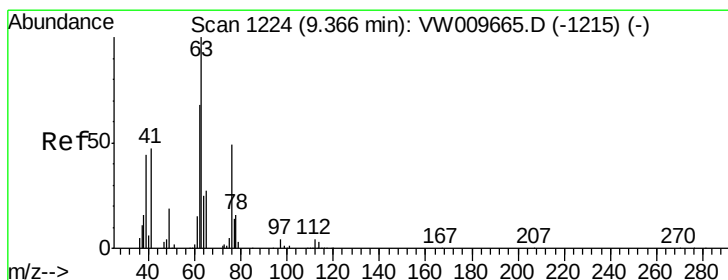
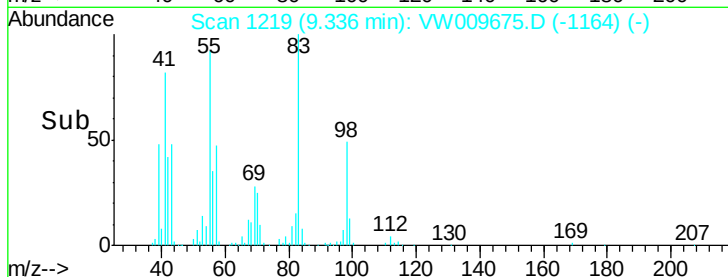
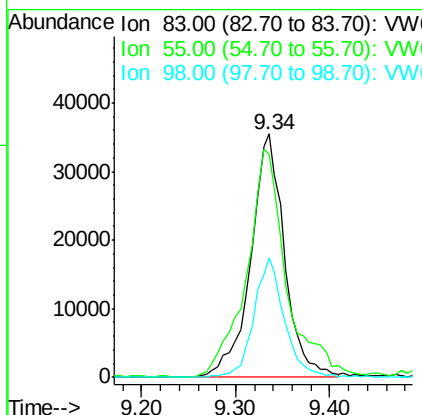
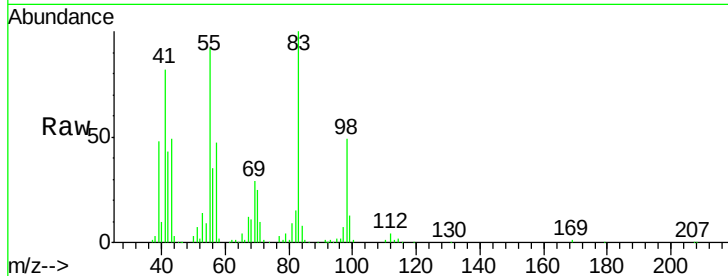




#36
Methylcyclohexane
Concen: 4253.528 ug/L
RT: 9.34 min Scan# 1219
Delta R.T. 0.01 min
Lab File: VW009675.D
Acq: 04 Apr 2019 00:00

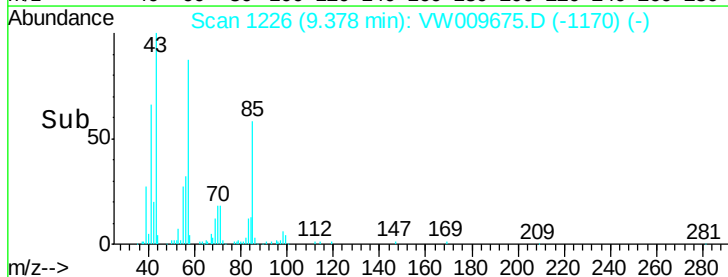
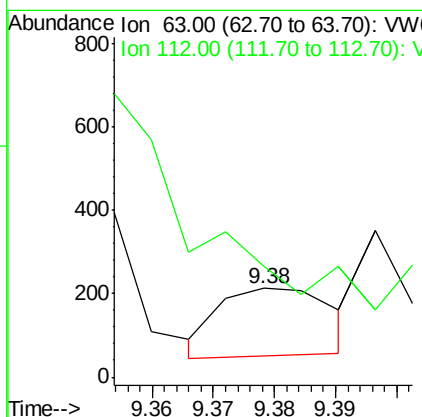
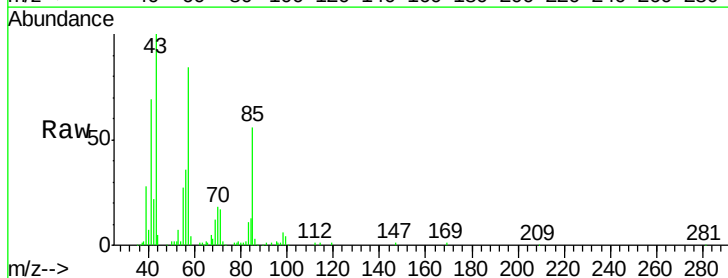
Instrument :
MSVOA_W
ClientSampled :
BF5J3

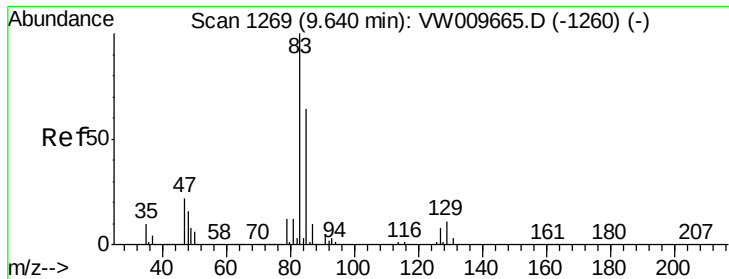
Tot Ion: 83 Resp: 89519
Ion Ratio Lower Upper
83 100
55 110.3 66.3 99.5#
98 44.0 39.4 59.0



#40
1,2-Dichloropropane
Concen: 16.612 ug/L
RT: 9.38 min Scan# 1226
Delta R.T. 0.01 min
Lab File: VW009675.D
Acq: 04 Apr 2019 00:00

Tgt Ion: 63 Resp: 208
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.8#





#41

Bromodichloromethane

Concen: 6.367 ug/L

RT: 9.66 min Scan# 1273

Delta R.T. 0.02 min

Lab File: VW009675.D

Acq: 04 Apr 2019 00:00

Instrument :

MSVOA_W

ClientSampled :

BF5J3

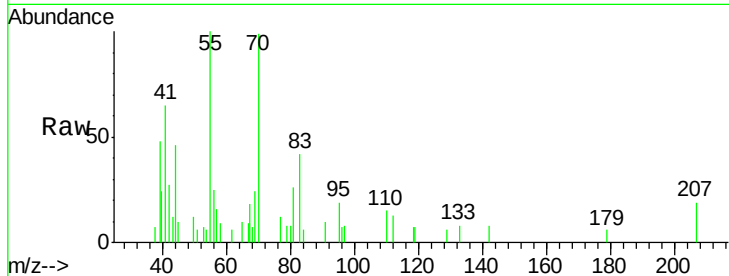
Tot Ion: 83 Resp: 110

Ion Ratio Lower Upper

83 100

85 0.0 45.0 83.6#

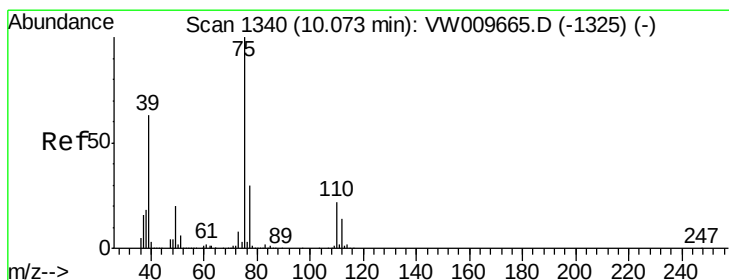
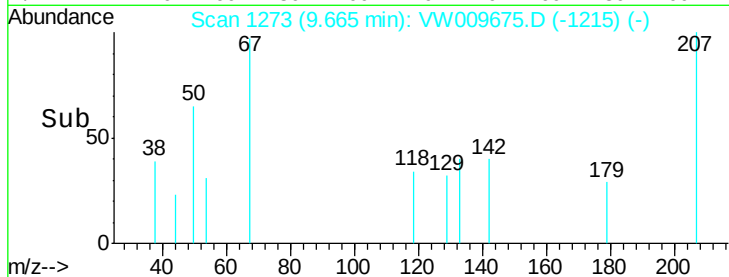
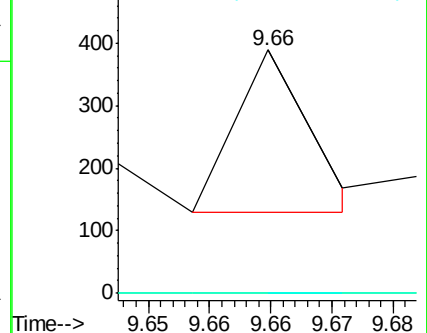
127 0.0 6.7 10.1#



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 127.00 (126.70 to 127.70): VW



#42

cis-1,3-Dichloropropene

Concen: 3.918 ug/L

RT: 9.98 min Scan# 1324

Delta R.T. -0.10 min

Lab File: VW009675.D

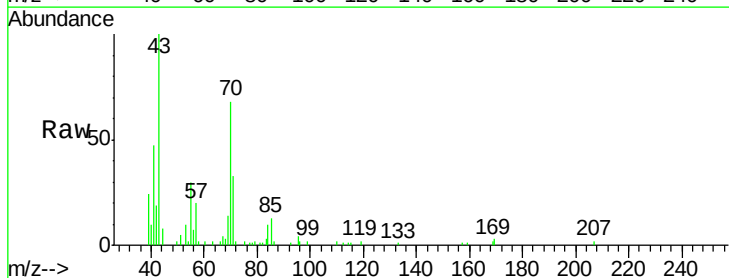
Acq: 04 Apr 2019 00:00

Tgt Ion: 75 Resp: 76

Ion Ratio Lower Upper

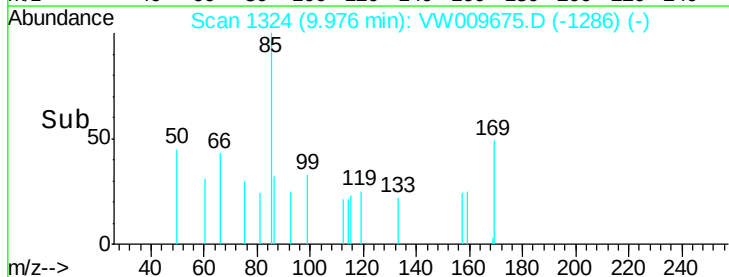
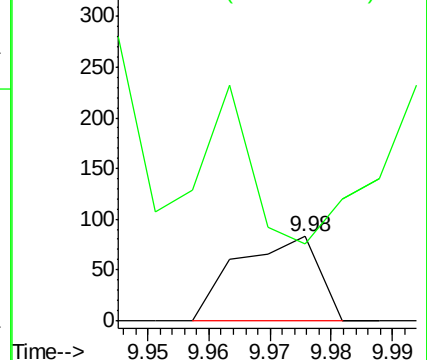
75 100

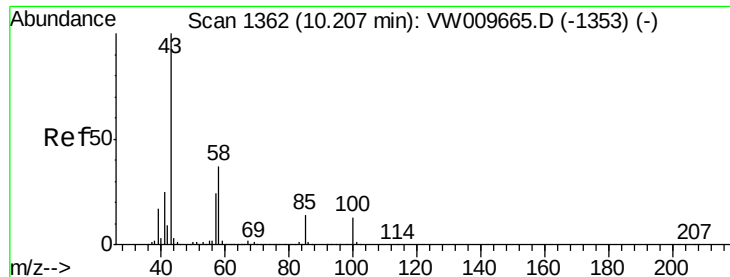
77 90.4 21.0 39.0#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

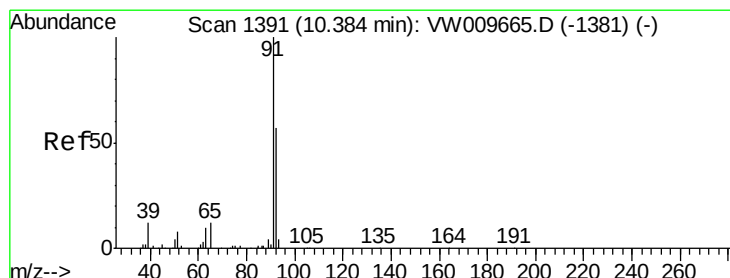
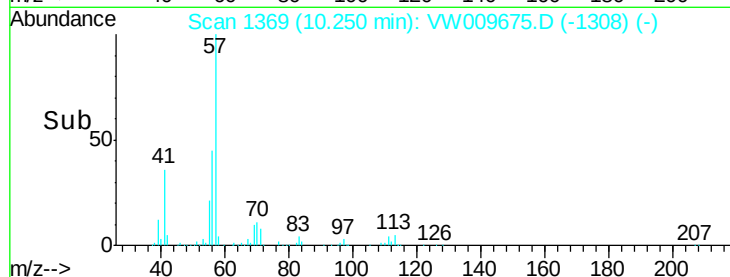
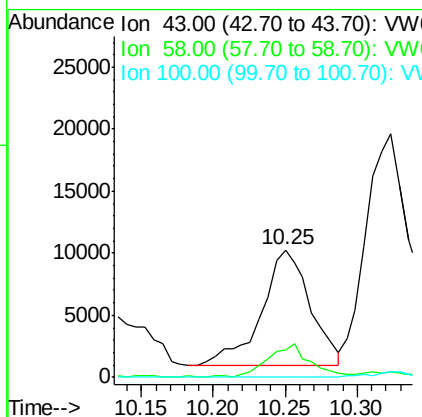
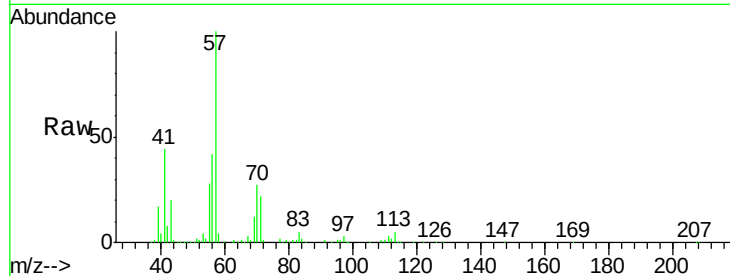




#43
4-Methyl-2-pentanone
Concen: 2235.290 ug/L
RT: 10.25 min Scan# 1369
Delta R.T. 0.04 min
Lab File: VW009675.D
Acq: 04 Apr 2019 00:00

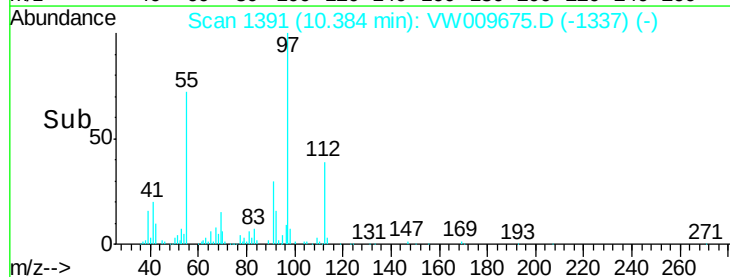
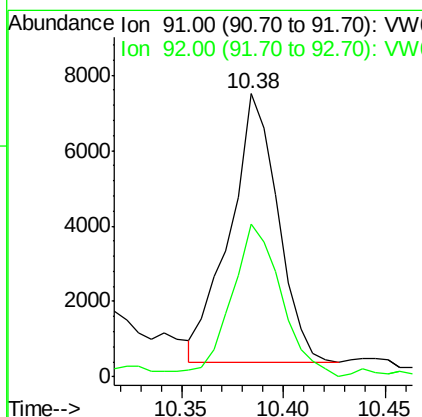
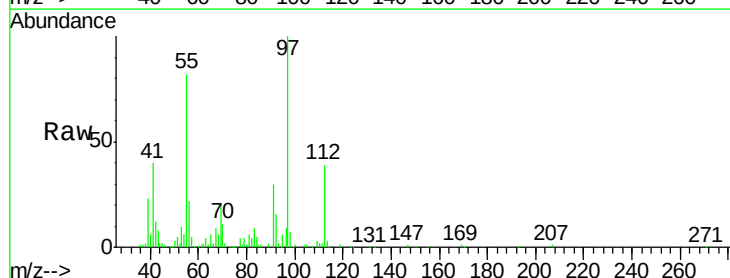
Instrument :
MSVOA_W
ClientSampleId :
BF5J3

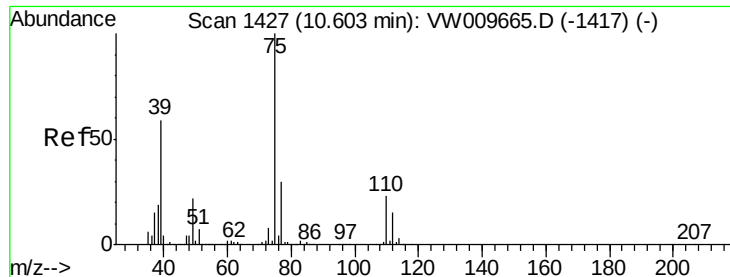
Tot Ion: 43 Resp: 21741
Ion Ratio Lower Upper
43 100
58 25.2 28.2 42.4#
100 0.0 10.9 16.3#



#44
Toluene
Concen: 224.848 ug/L
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW009675.D
Acq: 04 Apr 2019 00:00

Tgt Ion: 91 Resp: 11651
Ion Ratio Lower Upper
91 100
92 54.0 40.5 75.1





#45

trans-1,3-Dichloropropene

Concen: 7.235 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW009675.D

Acq: 04 Apr 2019 00:00

Instrument :

MSVOA_W

ClientSampled :

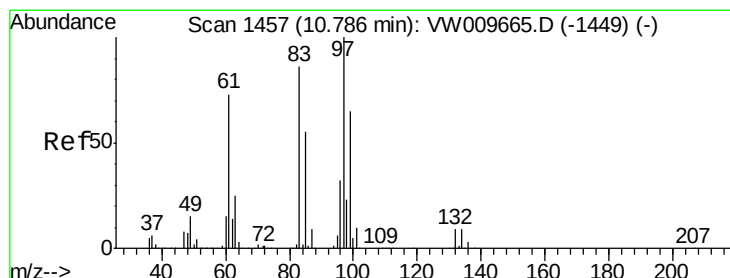
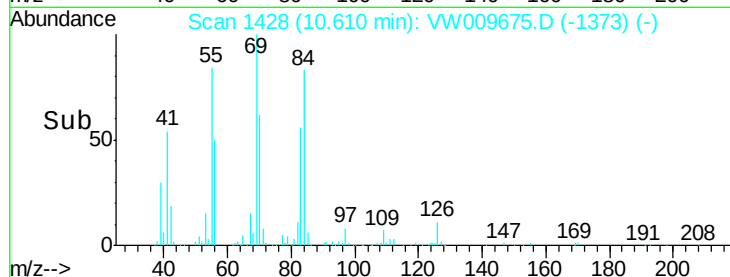
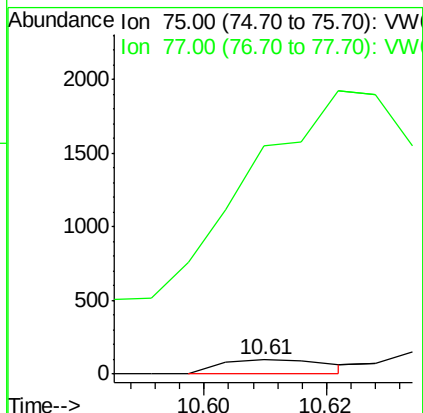
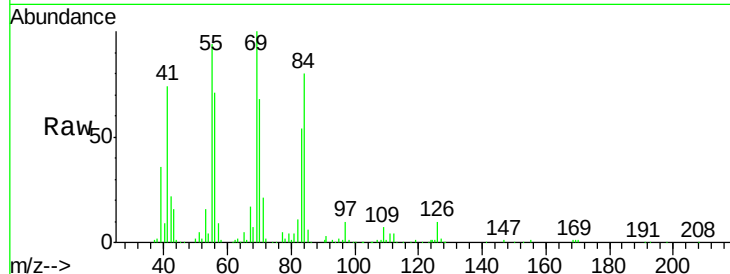
BF5J3

Tot Ion: 75 Resp: 121

Ion Ratio Lower Upper

75 100

77 1610.4 21.1 39.3#



#46

1,1,2-Trichloroethane

Concen: 29619.371 ug/L

RT: 10.76 min Scan# 1453

Delta R.T. -0.02 min

Lab File: VW009675.D

Acq: 04 Apr 2019 00:00

Tgt Ion: 97 Resp: 278378

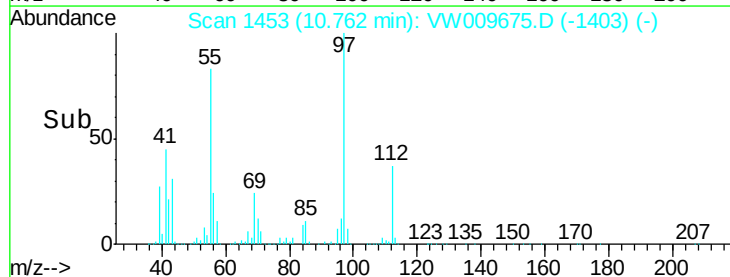
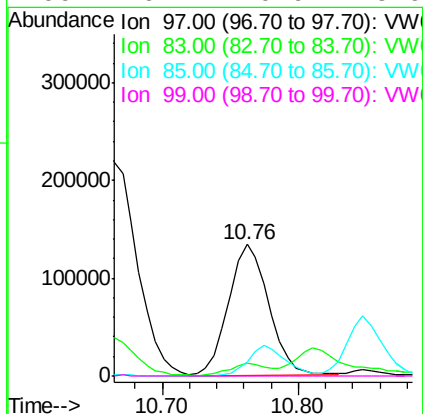
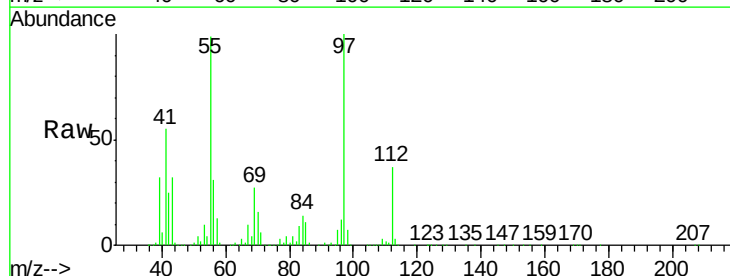
Ion Ratio Lower Upper

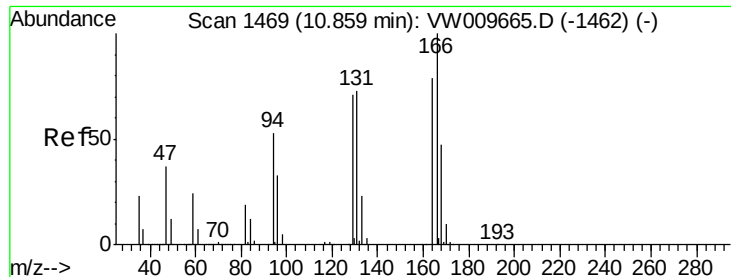
97 100

83 9.5 57.3 106.3#

85 11.2 38.1 70.7#

99 0.2 40.9 75.9#





#47

Tetrachloroethene

Concen: 81.333 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW009675.D

Acq: 04 Apr 2019 00:00

Instrument :

MSVOA_W

ClientSampled :

BF5J3

Tot Ion:164 Resp: 820

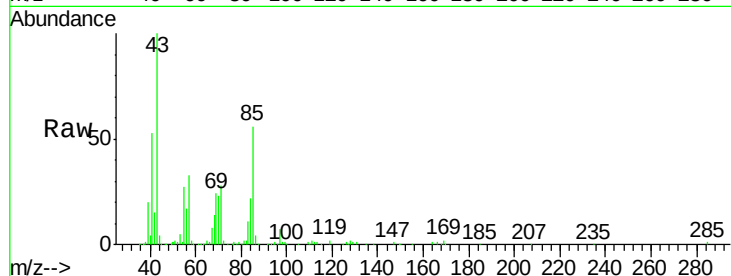
Ion Ratio Lower Upper

164 100

129 103.9 68.9 127.9

131 125.6 63.1 117.1#

166 86.7 88.5 164.4#

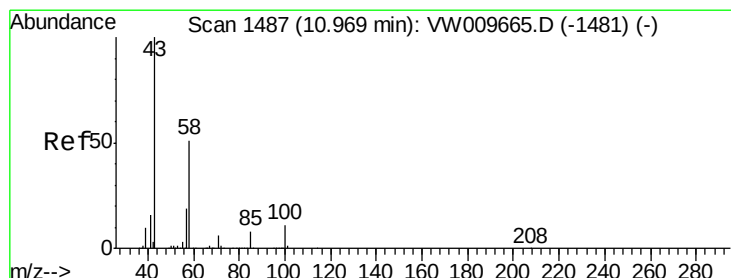
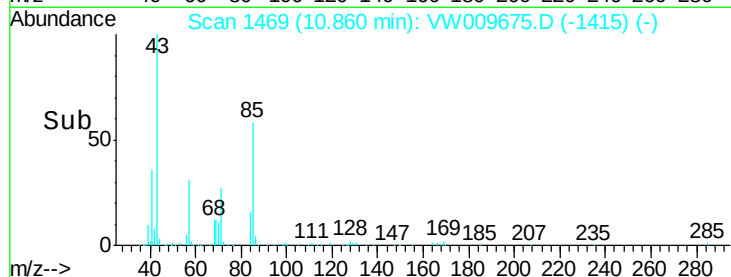
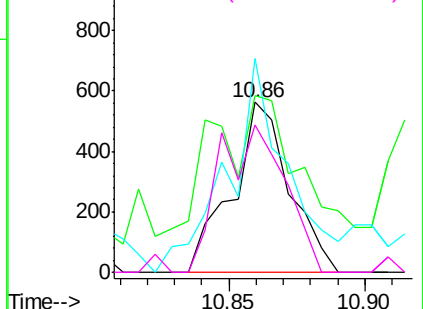


Abundance Ion 164.00 (163.70 to 164.70): V

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: 178222.730 ug/L

RT: 10.94 min Scan# 1482

Delta R.T. -0.03 min

Lab File: VW009675.D

Acq: 04 Apr 2019 00:00

Tgt Ion: 43 Resp: 1290709

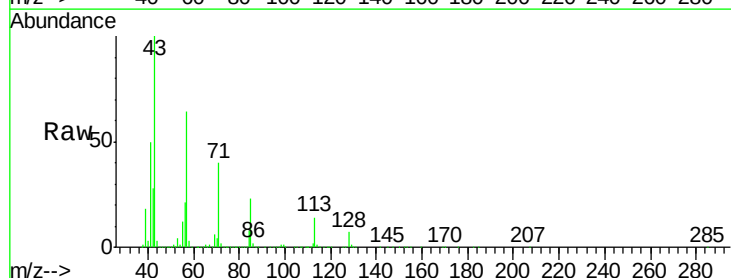
Ion Ratio Lower Upper

43 100

58 2.9 38.9 58.3#

57 65.3 13.8 20.6#

100 0.1 8.6 13.0#

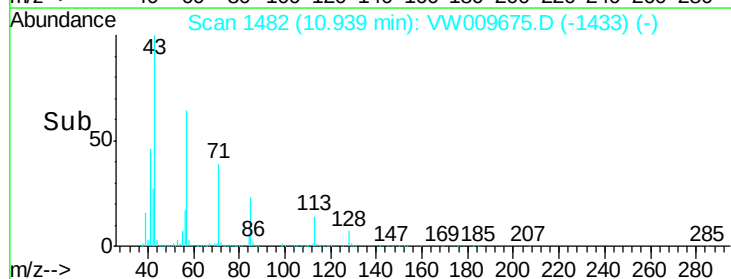
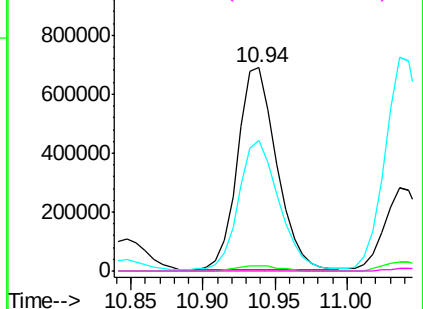


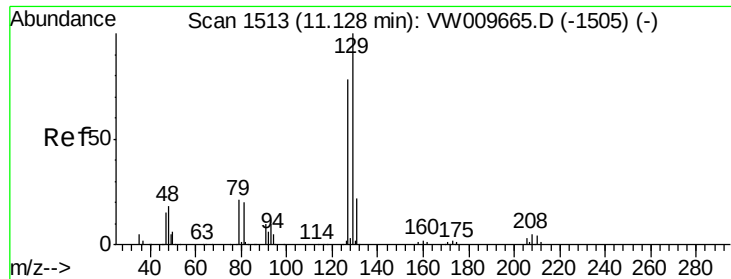
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW





#50

Dibromochloromethane

Concen: 18.793 ug/L

RT: 11.16 min Scan# 1519

Delta R.T. 0.04 min

Lab File: VW009675.D

Acq: 04 Apr 2019 00:00

Instrument :

MSVOA_W

ClientSampled :

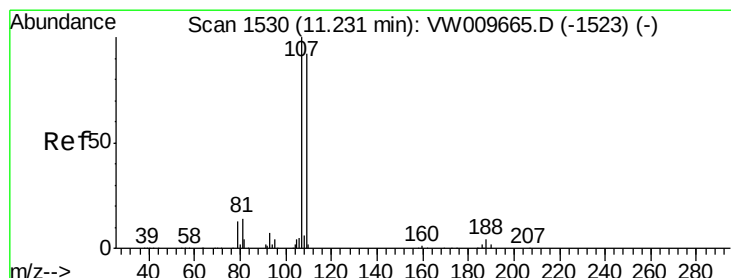
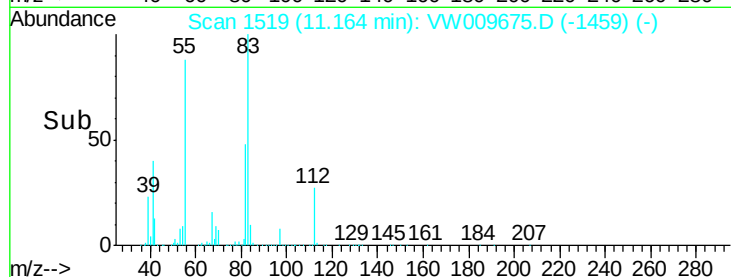
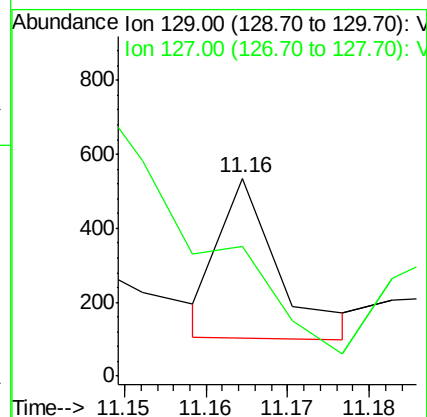
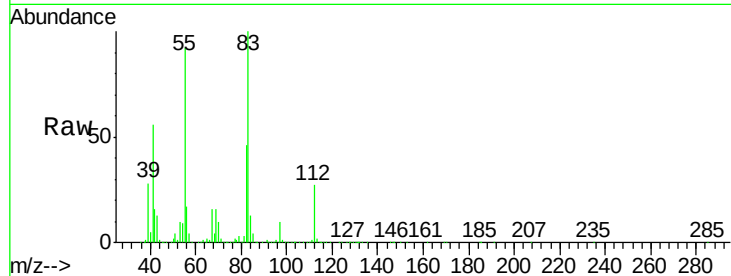
BF5J3

Tot Ion:129 Resp: 217

Ion Ratio Lower Upper

129 100

127 65.4 53.0 98.4



#51

1,2-Dibromoethane

Concen: 132.062 ug/L

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW009675.D

Acq: 04 Apr 2019 00:00

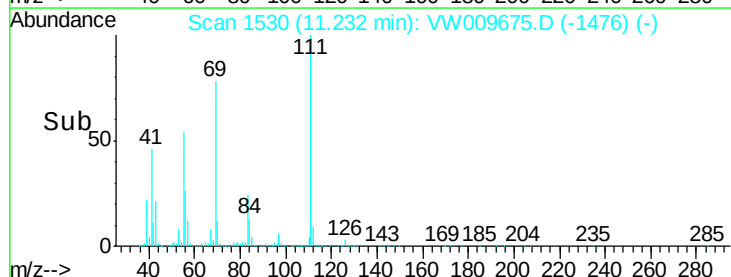
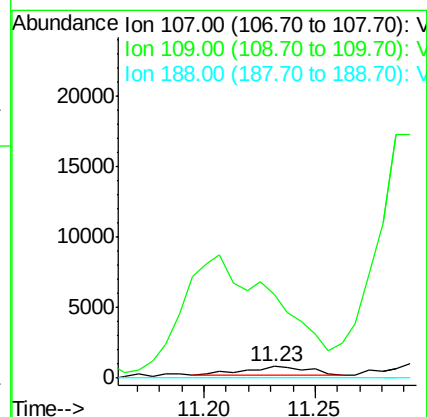
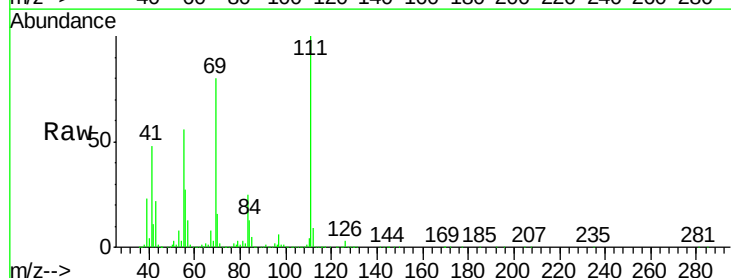
Tgt Ion:107 Resp: 1244

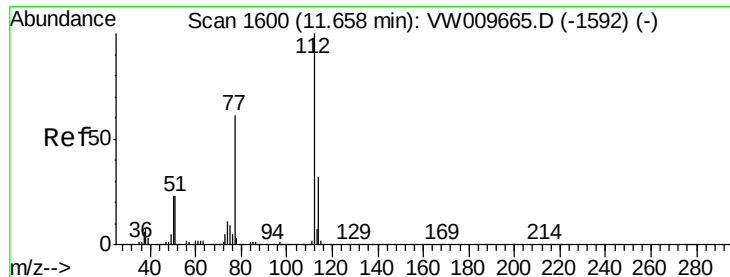
Ion Ratio Lower Upper

107 100

109 730.9 65.4 121.4#

188 0.0 3.2 4.8#





#52

Chlorobenzene

Concen: 70.607 ug/L

RT: 11.67 min Scan# 1602

Delta R.T. 0.01 min

Lab File: VW009675.D

Acq: 04 Apr 2019 00:00

Instrument :

MSVOA_W

ClientSampleId :

BF5J3

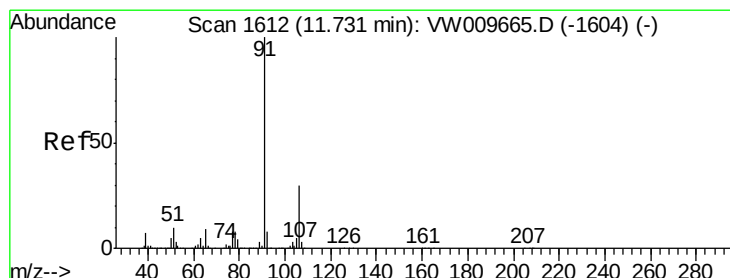
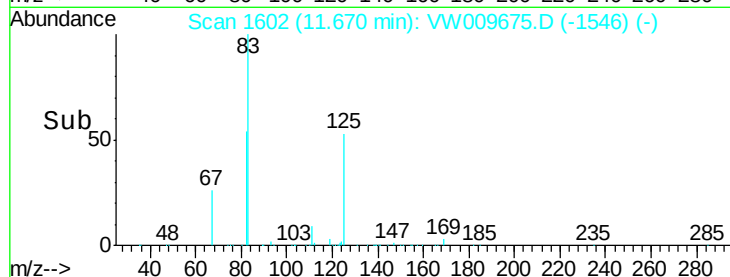
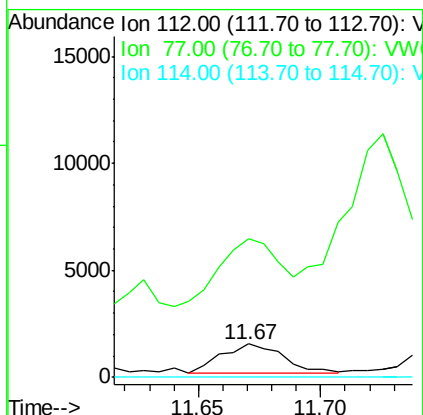
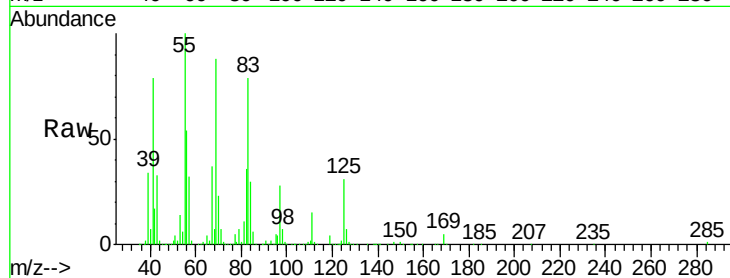
Tot Ion:112 Resp: 2355

Ion Ratio Lower Upper

112 100

77 417.4 48.2 72.2#

114 0.0 23.0 42.6#



#53

Ethylbenzene

Concen: 122.403 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009675.D

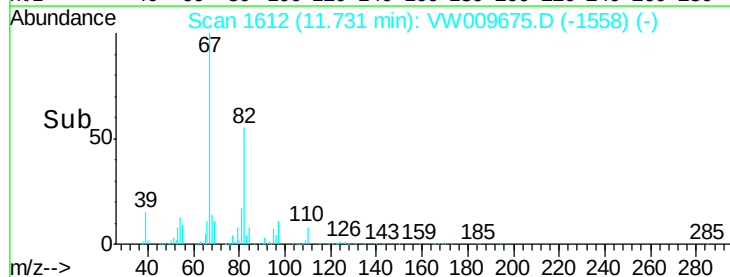
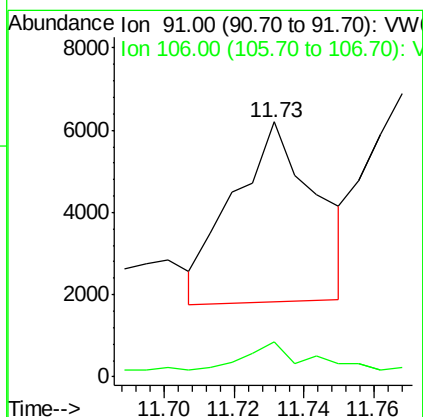
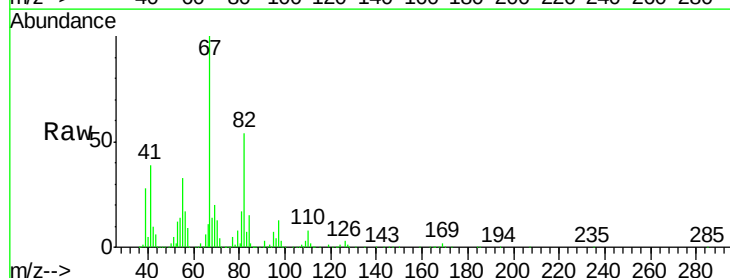
Acq: 04 Apr 2019 00:00

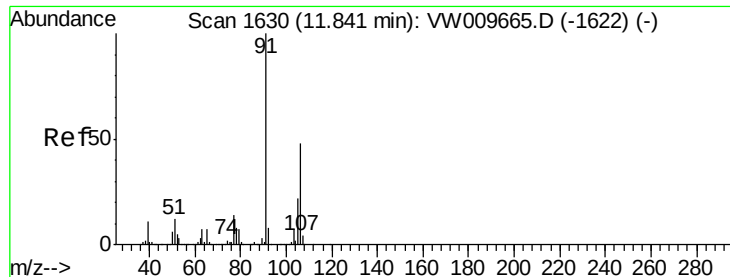
Tgt Ion: 91 Resp: 7225

Ion Ratio Lower Upper

91 100

106 14.0 21.5 39.9#





#54

m,p-Xylene

Concen: 42.644 ug/L

RT: 11.83 min Scan# 1628

Delta R.T. -0.01 min

Lab File: VW009675.D

Acq: 04 Apr 2019 00:00

Instrument :

MSVOA_W

ClientSampleId :

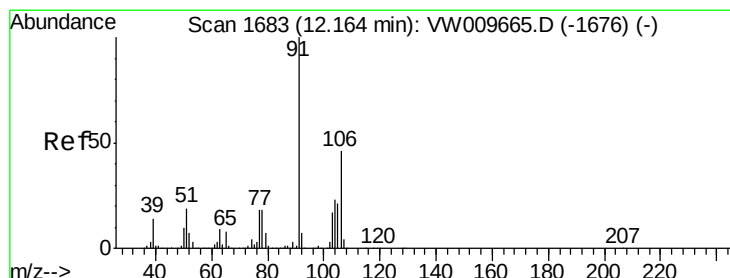
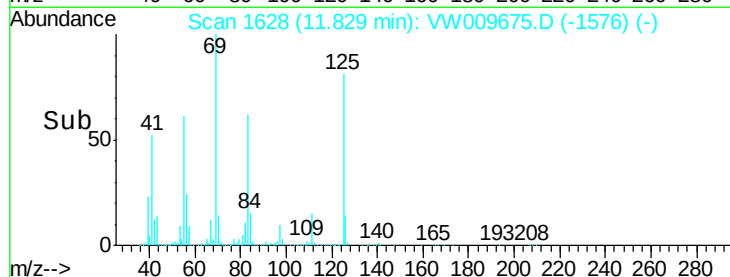
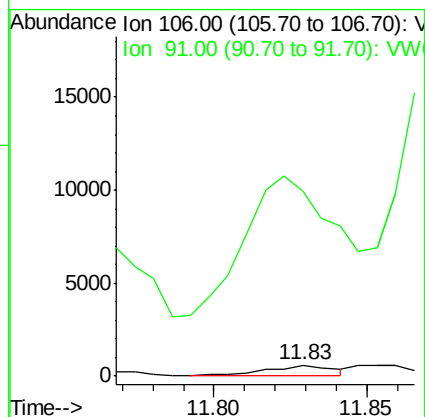
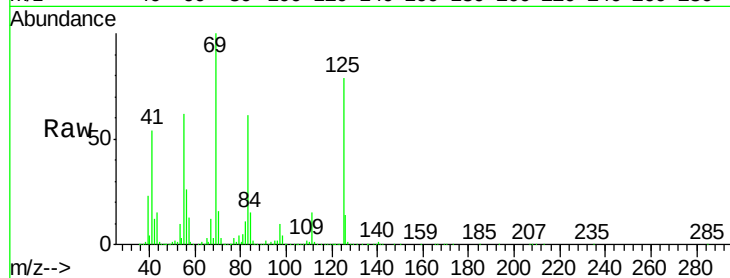
BF5J3

Tot Ion:106 Resp: 931

Ion Ratio Lower Upper

106 100

91 1682.5 145.3 269.9#



#55

o-xylene

Concen: 58.193 ug/L

RT: 12.16 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VW009675.D

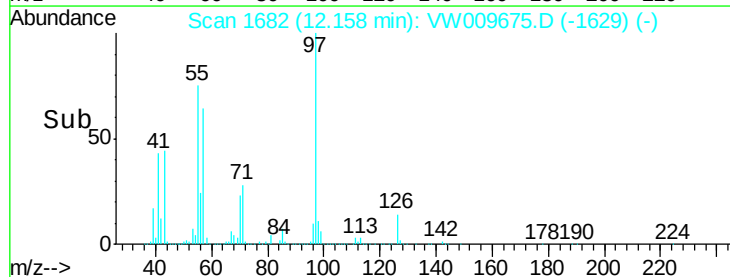
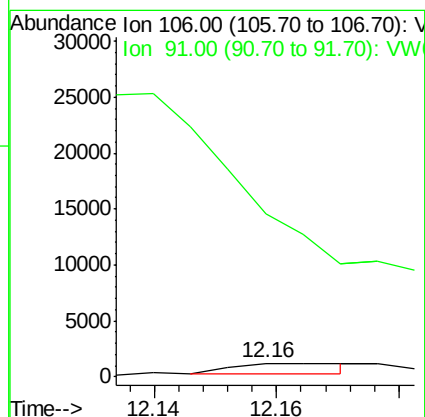
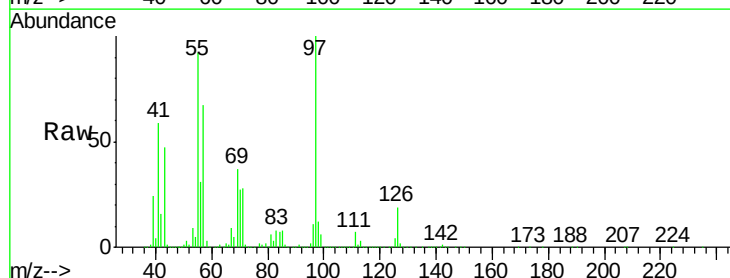
Acq: 04 Apr 2019 00:00

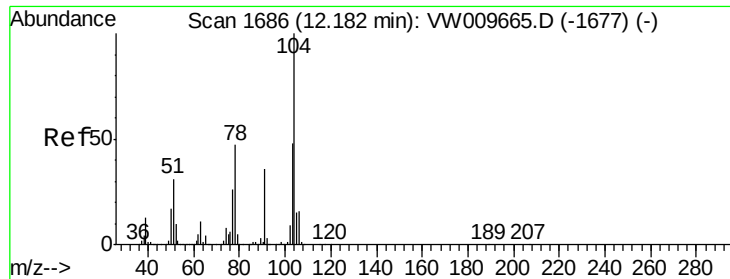
Tgt Ion:106 Resp: 1210

Ion Ratio Lower Upper

106 100

91 1225.0 153.9 285.7#





#56

Stvrene

Concen: 24.475 ug/L

RT: 12.19 min Scan# 1687

Delta R.T. 0.01 min

Lab File: VW009675.D

Acq: 04 Apr 2019 00:00

Instrument :

MSVOA_W

ClientSampled :

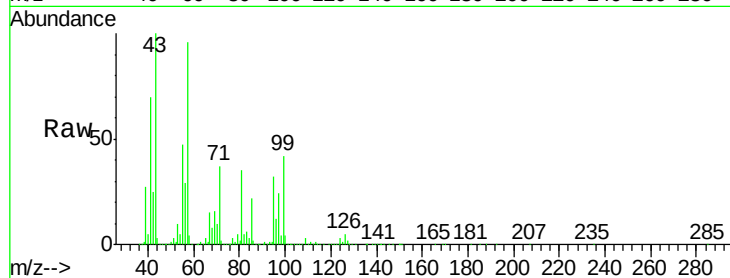
BF5J3

Tot Ion:104 Resp: 883

Ion Ratio Lower Upper

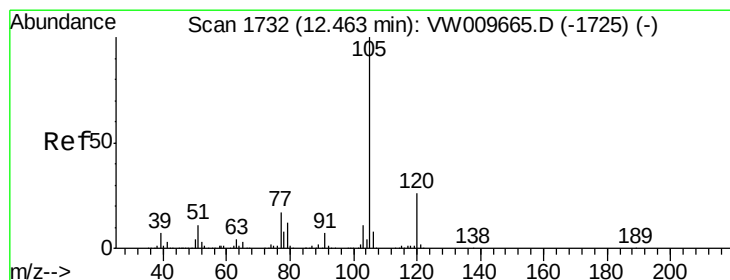
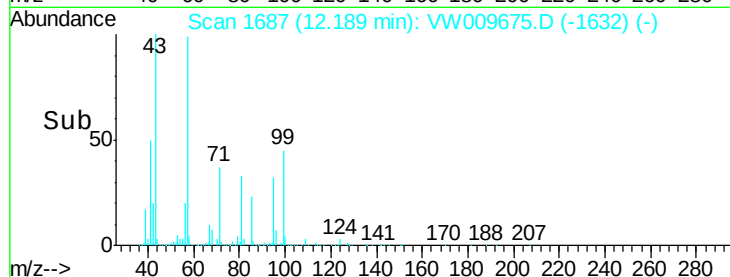
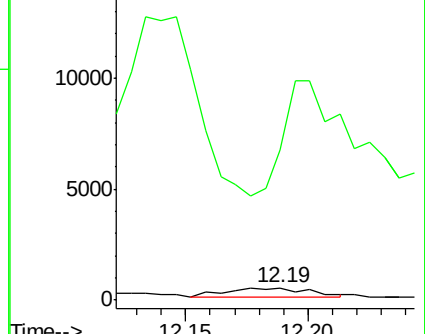
104 100

78 1226.9 32.9 61.1#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW



#57

Isopropylbenzene

Concen: 5523.982 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW009675.D

Acq: 04 Apr 2019 00:00

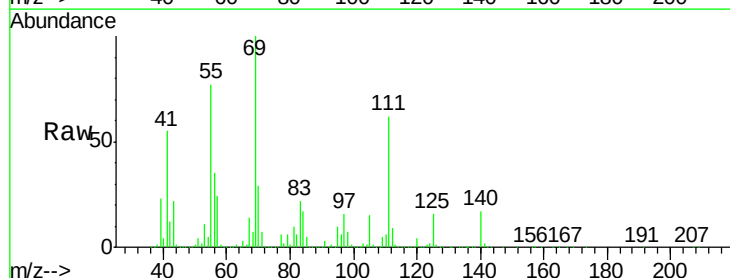
Tgt Ion:105 Resp: 314507

Ion Ratio Lower Upper

105 100

120 25.8 21.0 31.4

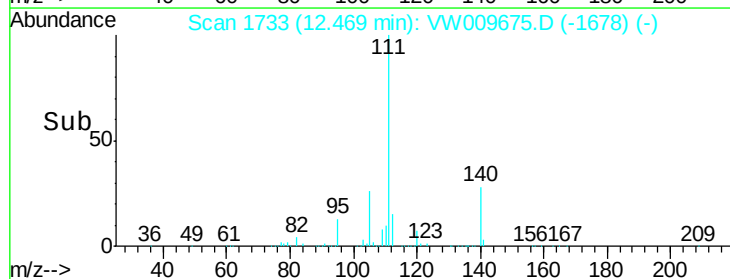
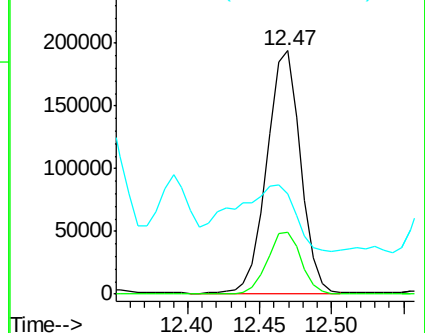
77 29.2 13.4 20.2#

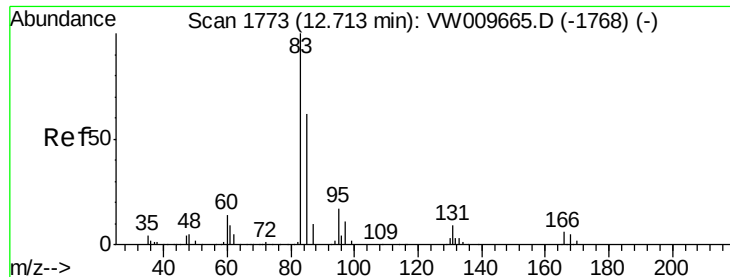


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VW

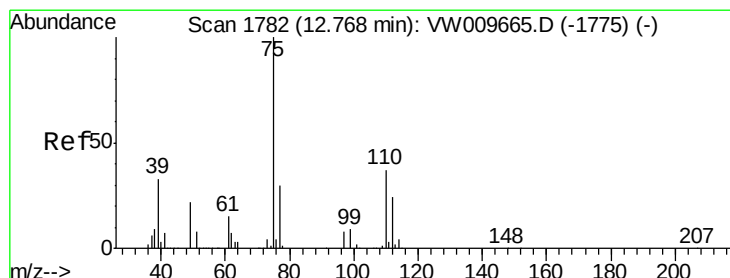
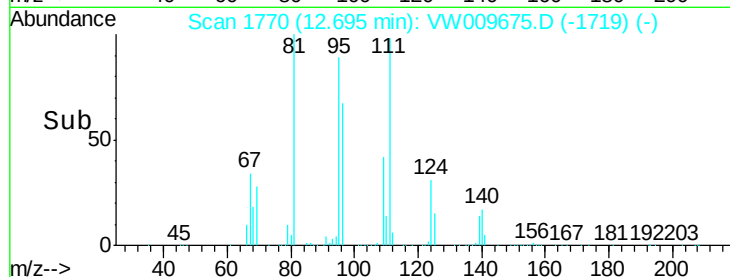
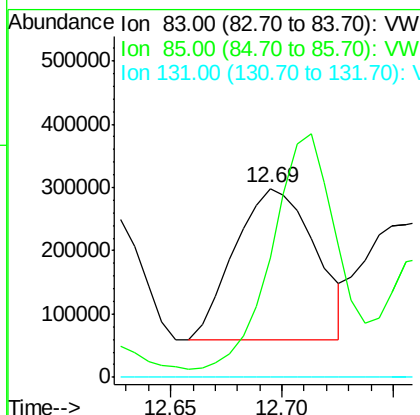
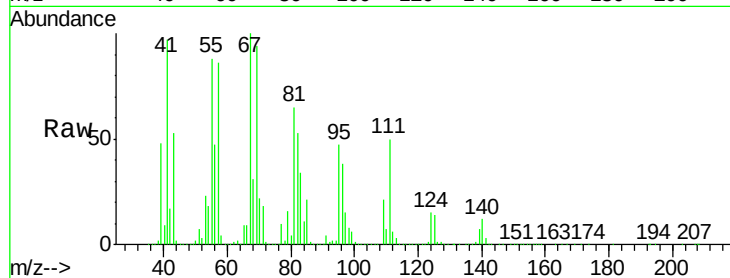




#58
 1,1,2,2-Tetrachloroethane
 Concen: 47781.737 ug/L
 RT: 12.69 min Scan# 1770
 Delta R.T. -0.02 min
 Lab File: VW009675.D
 Acq: 04 Apr 2019 00:00

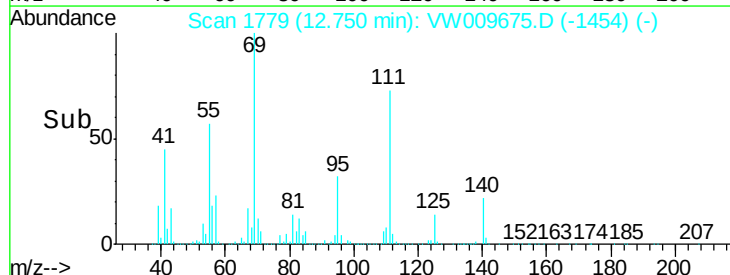
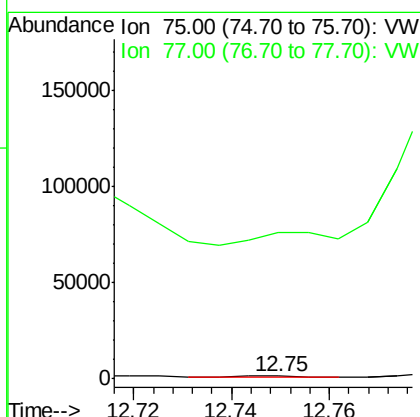
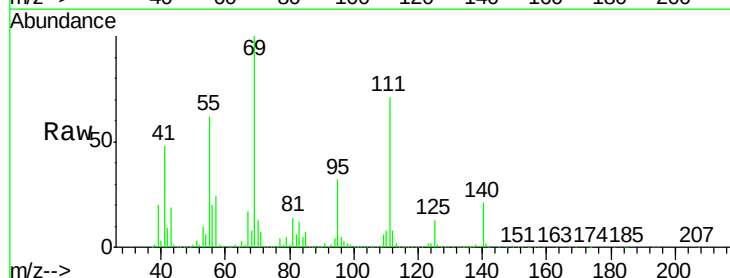
Instrument :
 MSVOA_W
 ClientSampled :
 BF5J3

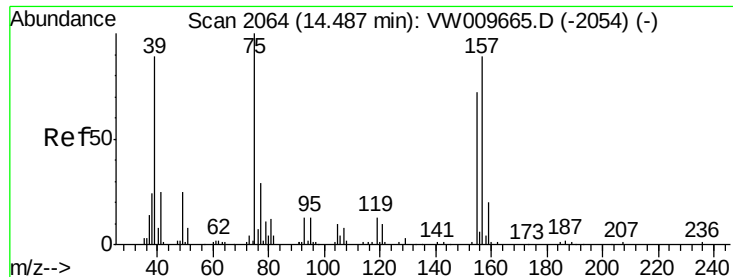
Tot Ion: 83 Resp: 603863
 Ion Ratio Lower Upper
 83 100
 85 63.3 44.9 83.3
 131 0.1 7.2 10.8#



#59
 1,2,3-Trichloropropane
 Concen: 46.026 ug/L
 RT: 12.75 min Scan# 1779
 Delta R.T. -0.02 min
 Lab File: VW009675.D
 Acq: 04 Apr 2019 00:00

Tgt Ion: 75 Resp: 433
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.2 39.2#

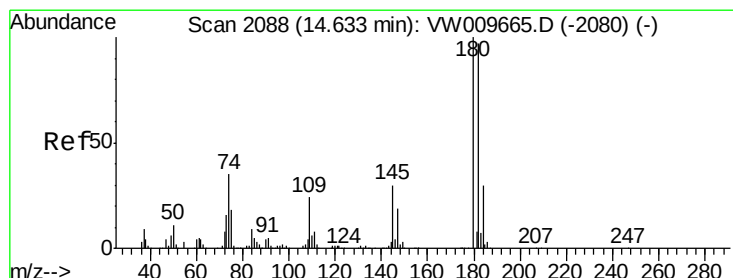
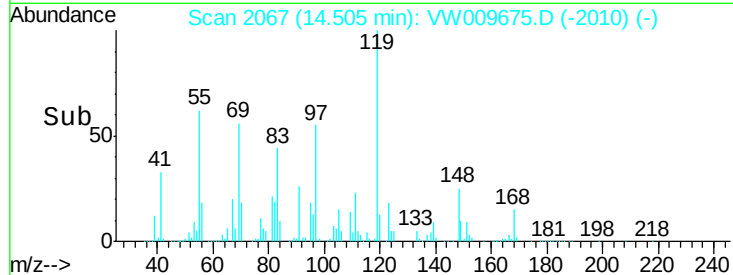
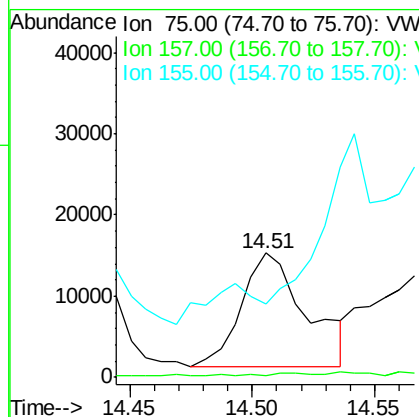
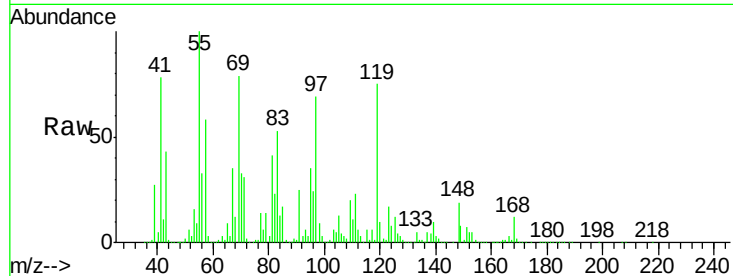




#66
 1,2-Dibromo-3-chloropropane
 Concen: 41.411 ug/L
 RT: 14.51 min Scan# 2067
 Delta R.T. 0.02 min
 Lab File: VW009675.D
 Acq: 04 Apr 2019 00:00

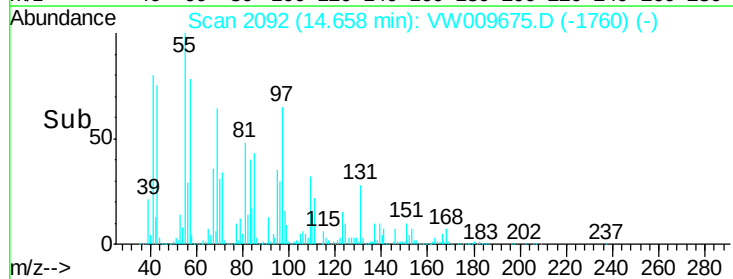
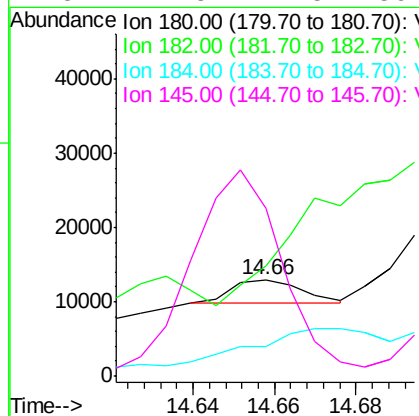
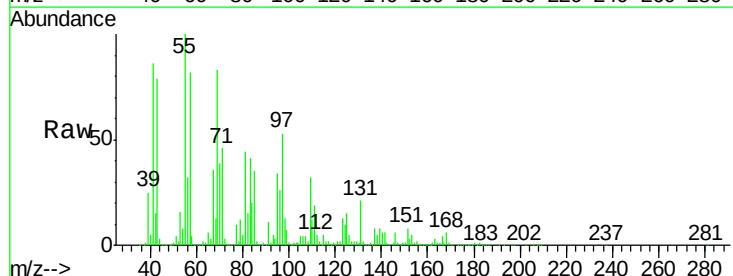
Instrument :
 MSVOA_W
 ClientSampled :
 BF5J3

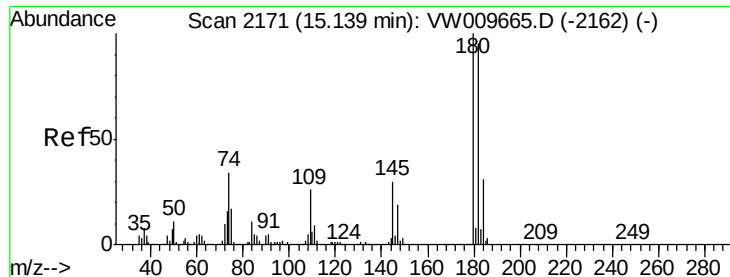
Tot Ion: 75 Resp: 26054
 Ion Ratio Lower Upper
 75 100
 157 1.8 77.2 115.8#
 155 59.3 61.9 92.9#



#67
 1,3,5-Trichlorobenzene
 Concen: 0.711 ug/L
 RT: 14.66 min Scan# 2092
 Delta R.T. 0.02 min
 Lab File: VW009675.D
 Acq: 04 Apr 2019 00:00

Tgt Ion: 180 Resp: 3562
 Ion Ratio Lower Upper
 180 100
 182 197.6 75.8 113.6#
 184 435.3 24.7 37.1#
 145 1142.5 24.5 36.7#

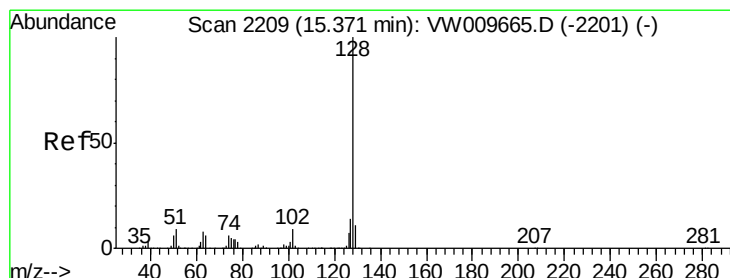
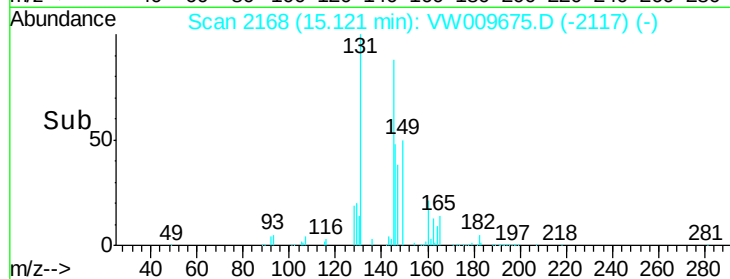
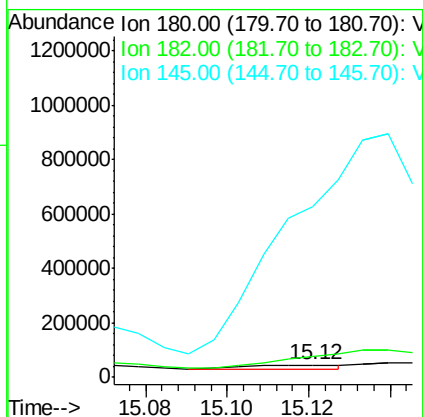
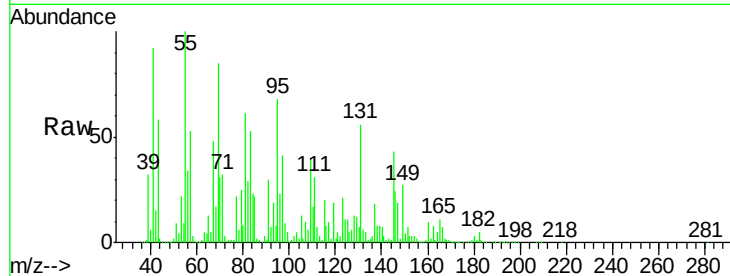




#68
 1,2,4-trichlorobenzene
 Concen: 5.405 ug/L
 RT: 15.12 min Scan# 2168
 Delta R.T. -0.02 min
 Lab File: VW009675.D
 Acq: 04 Apr 2019 00:00

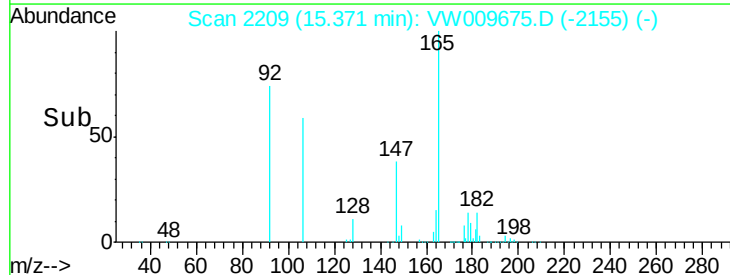
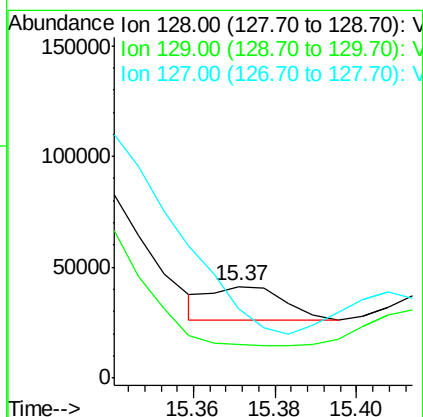
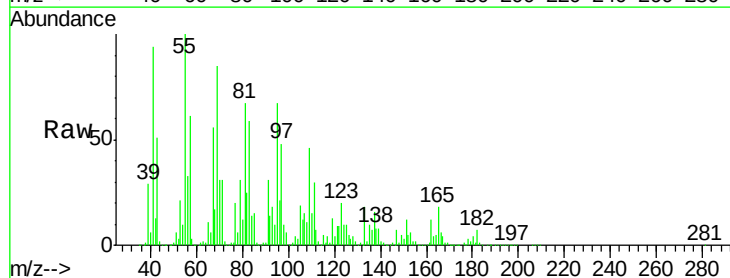
Instrument :
 MSVOA_W
 ClientSampleId :
 BF5J3

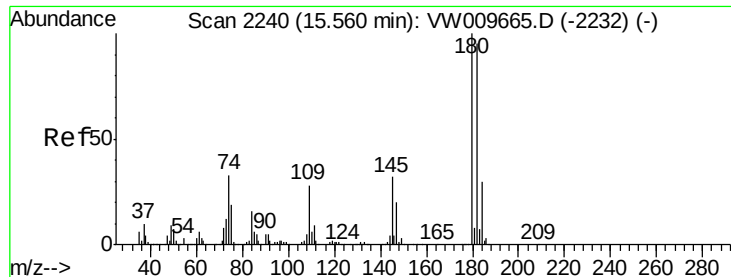
Tot Ion:180 Resp: 21757
 Ion Ratio Lower Upper
 180 100
 182 791.0 75.8 113.8#
 145 10329.2 24.3 36.5#



#69
 Naphthalene
 Concen: 2.274 ug/L
 RT: 15.37 min Scan# 2209
 Delta R.T. 0.00 min
 Lab File: VW009675.D
 Acq: 04 Apr 2019 00:00

Tgt Ion:128 Resp: 18400
 Ion Ratio Lower Upper
 128 100
 129 0.0 8.5 12.7#
 127 0.0 10.8 16.2#





#70

1,2,3-Trichlorobenzene

Concen: 29.260 ug/L

RT: 15.53 min Scan# 2235

Delta R.T. -0.03 min

Lab File: VW009675.D

Acq: 04 Apr 2019 00:00

Instrument :

MSVOA_W

ClientSampleId :

BF5J3

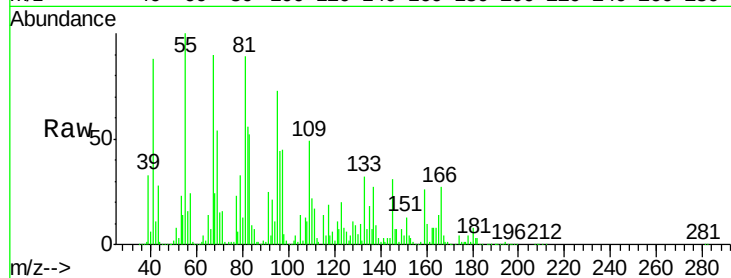
Tot Ion:180 Resp: 110189

Ion Ratio Lower Upper

180 100

182 38.3 75.0 112.4#

145 786.7 25.8 38.6#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

