

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031219\
 Data File : VW009125.D
 Acq On : 12 Mar 2019 15:49
 Operator : SY/VA
 Sample : K1807-21
 Misc : 5.06G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-18

Quant Time: Mar 13 01:53:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	4669	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	6417	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	4706	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	891	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	3120	66.42	ug/l	0.00
Spiked Amount			Recovery	=	132.84%	
35) Dibromofluoromethane	7.88	113	2759	71.41	ug/l	0.00
Spiked Amount			Recovery	=	142.82%	
50) Toluene-d8	10.32	98	7036	44.34	ug/l	0.00
Spiked Amount			Recovery	=	88.68%	
62) 4-Bromofluorobenzene	12.63	95	1516	24.27	ug/l	0.00
Spiked Amount			Recovery	=	48.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	141	2.359	ug/l #	43
4) Vinyl Chloride	2.36	62	105	1.731	ug/l #	42
6) Chloroethane	2.90	64	143	3.311	ug/l	93
8) Diethyl Ether	3.67	74	56	2.345	ug/l	76
10) Methyl Iodide	4.28	142	71	4.447	ug/l #	83
11) Tert butyl alcohol	5.20	59	32	8.890	ug/l #	1
13) Acrolein	3.90	56	41	10.351	ug/l #	14
14) Allyl chloride	4.70	41	366	4.945	ug/l #	26
15) Acrylonitrile	5.40	53	86	8.251	ug/l #	16
16) Acetone	4.13	43	677	63.867	ug/l	98
20) Methylene Chloride	4.91	84	365	2.124	ug/l #	40
21) trans-1,2-Dichloroethene	5.46	96	95	1.961	ug/l #	33
25) 2-Butanone	7.19	43	108	7.372	ug/l #	50
26) 2,2-Dichloropropane	7.20	77	112	1.444	ug/l #	52
27) cis-1,2-Dichloroethene	7.19	96	94	1.806	ug/l #	1
29) Tetrahydrofuran	7.56	42	59	6.391	ug/l #	36
31) Cyclohexane	7.95	56	129	1.473	ug/l #	29
37) Ethyl Acetate	7.23	43	34	1.079	ug/l #	1
41) Methacrylonitrile	7.46	41	149	8.514	ug/l #	78
42) 1,2-Dichloroethane	8.47	62	70	1.211	ug/l #	76
43) Isopropyl Acetate	8.43	43	323	5.503	ug/l #	53
46) Dibromomethane	9.46	93	44	1.796	ug/l #	3
48) Methyl methacrylate	9.42	41	109	3.988	ug/l #	16
49) 1,4-Dioxane	9.45	88	102	290.738	ug/l #	1
51) 4-Methyl-2-Pentanone	10.30	43	78	2.618	ug/l	98
54) cis-1,3-Dichloropropene	10.12	75	105	1.490	ug/l #	30
55) 1,1,2-Trichloroethane	10.77	97	217	6.535	ug/l #	29
56) Ethyl methacrylate	10.65	69	47	1.140	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.93	63	59	2.762	ug/l #	46
59) 2-Hexanone	11.00	43	130	6.205	ug/l	80
61) 1,2-Dibromoethane	11.00	107	35	1.075	ug/l #	3
64) Tetrachloroethene	10.85	164	78	2.298	ug/l #	1
65) Chlorobenzene	11.65	112	275	2.685	ug/l #	41
67) Ethyl Benzene	11.74	91	199	1.075	ug/l #	43

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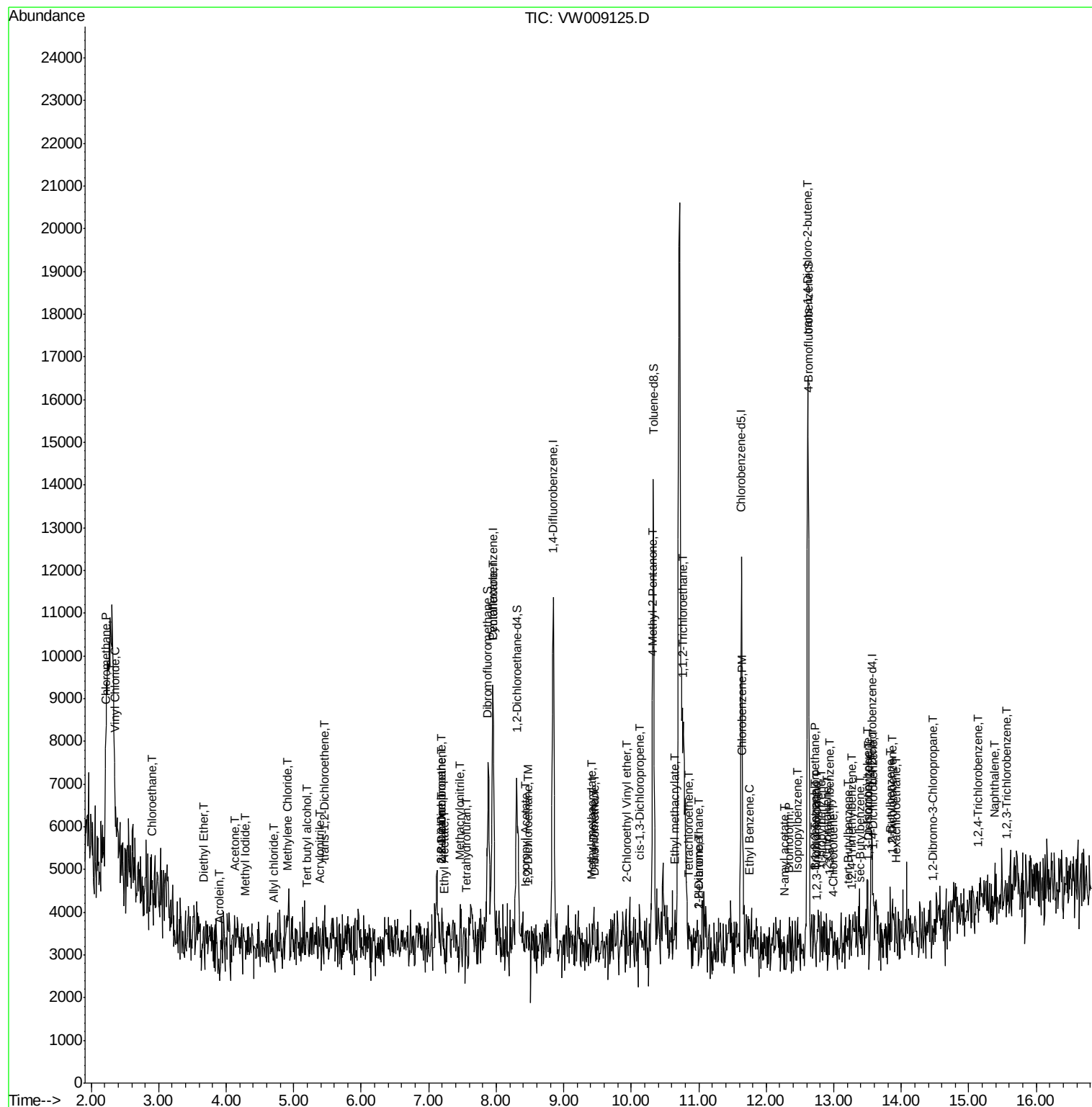
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Bromoform	12.35	173	27	1.470	ug/l #	28
73) Isopropylbenzene	12.47	105	289	4.529	ug/l #	49
74) N-amyl acetate	12.27	43	122	8.077	ug/l #	43
75) 1,1,2,2-Tetrachloroethane	12.71	83	80	7.949	ug/l #	26
76) 1,2,3-Trichloropropane	12.74	75	47	6.676	ug/l	18
77) Bromobenzene	12.71	156	44	3.018	ug/l #	1
78) n-propylbenzene	12.81	91	323	4.110	ug/l	84
79) 2-Chlorotoluene	12.90	91	170	3.850	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.95	105	208	3.782	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.62	75	913	290.092	ug/l #	7
82) 4-Chlorotoluene	13.00	91	158	3.357	ug/l #	41
83) tert-Butylbenzene	13.21	119	188	4.053	ug/l #	80
84) 1,2,4-Trimethylbenzene	13.26	105	221	3.972	ug/l	82
85) sec-Butylbenzene	13.39	105	356	5.180	ug/l #	56
86) p-Isopropyltoluene	13.49	119	235	3.822	ug/l #	33
87) 1,3-Dichlorobenzene	13.51	146	85	2.774	ug/l #	39
88) 1,4-Dichlorobenzene	13.58	146	298	9.842	ug/l #	60
89) n-Butylbenzene	13.83	91	199	3.405	ug/l #	65
90) Hexachloroethane	13.91	117	27	2.546	ug/l	96
91) 1,2-Dichlorobenzene	13.88	146	93	3.440	ug/l #	60
92) 1,2-Dibromo-3-Chloropropan	14.47	75	23	12.831	ug/l #	3
93) 1,2,4-Trichlorobenzene	15.13	180	90	4.930	ug/l #	40
95) Naphthalene	15.38	128	140	4.685	ug/l #	68
96) 1,2,3-Trichlorobenzene	15.56	180	27	1.682	ug/l #	1

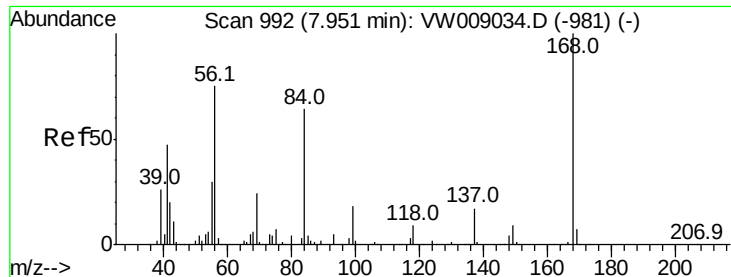
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009125.D

Acq: 12 Mar 2019 15:49

Instrument :

MSVOA_W

ClientSampled :

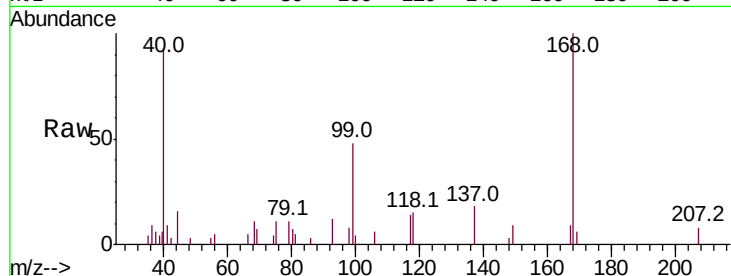
TP-18

Tot Ion:168 Resp: 4669

Ion Ratio Lower Upper

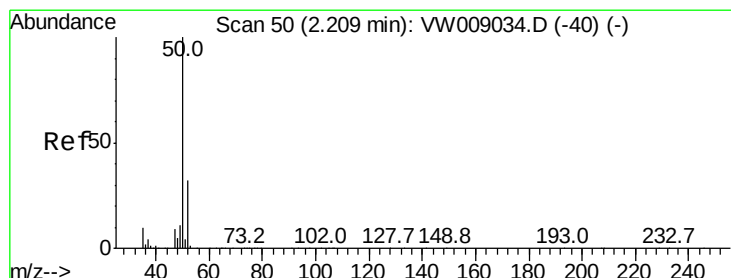
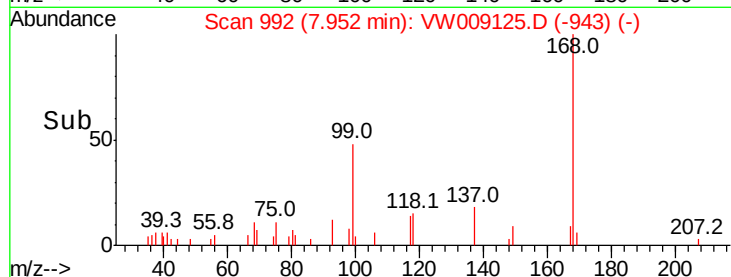
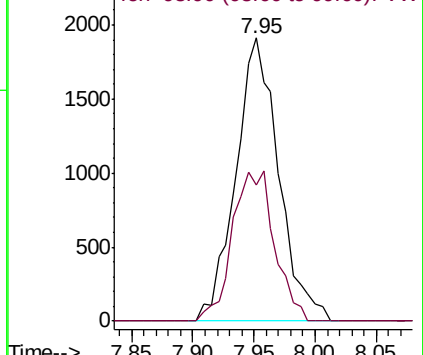
168 100

99 48.3 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#3

Chloromethane

Concen: 2.359 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW009125.D

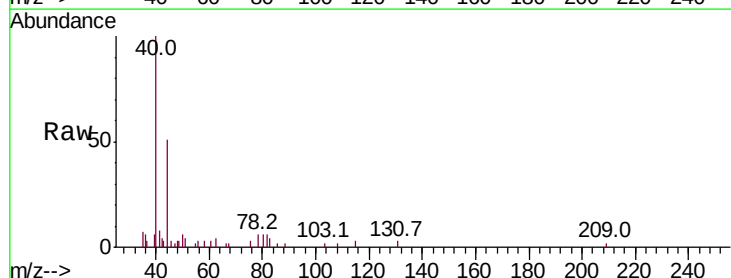
Acq: 12 Mar 2019 15:49

Tgt Ion: 50 Resp: 141

Ion Ratio Lower Upper

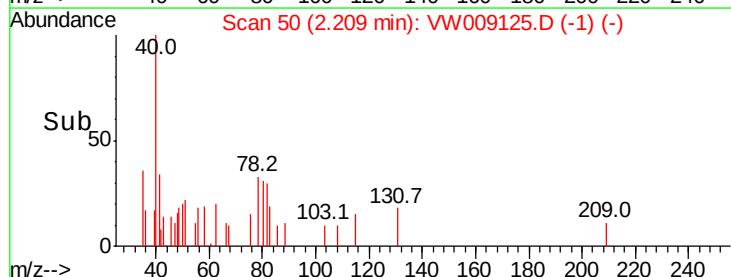
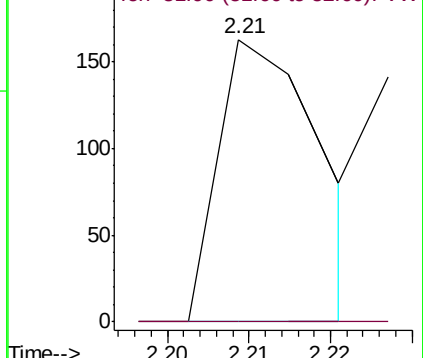
50 100

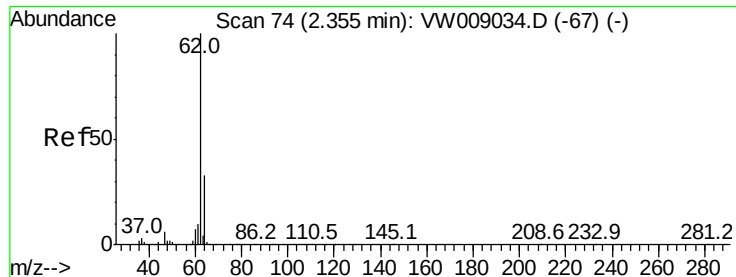
52 0.0 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW





#4

Vinyl Chloride

Concen: 1.731 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW009125.D

Acq: 12 Mar 2019 15:49

Instrument :

MSVOA_W

ClientSampled :

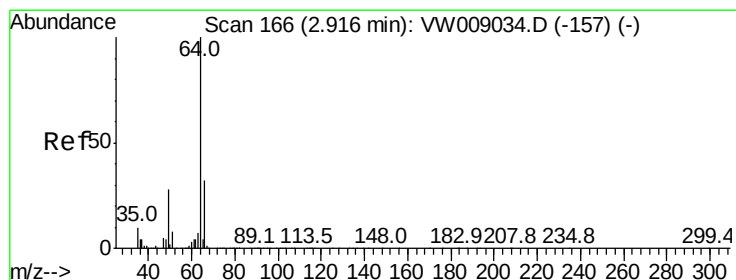
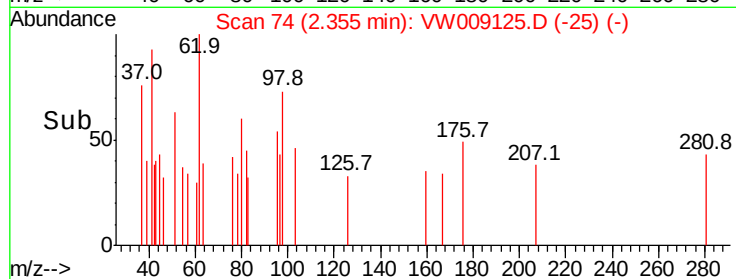
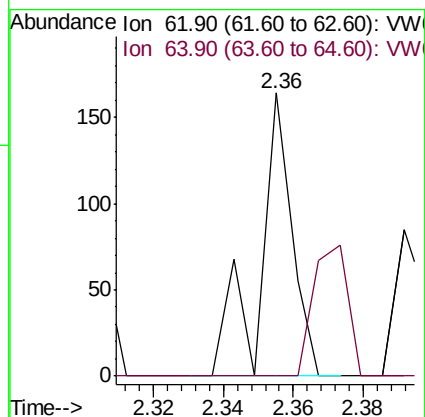
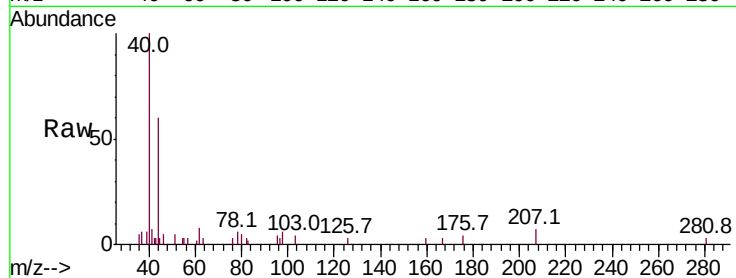
TP-18

Tot Ion: 62 Resp: 105

Ion Ratio Lower Upper

62 100

64 0.0 26.0 39.0#



#6

Chloroethane

Concen: 3.311 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW009125.D

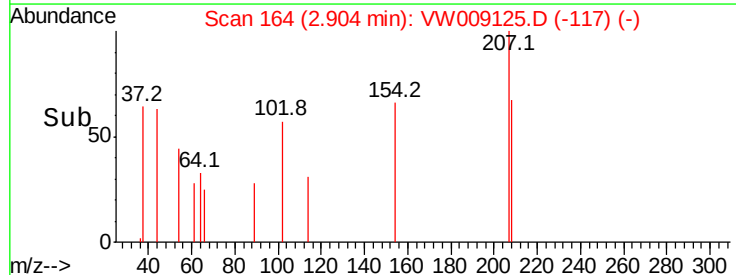
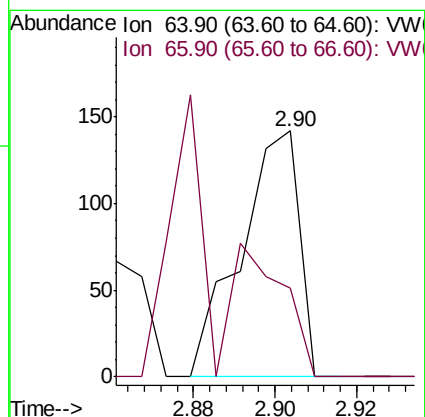
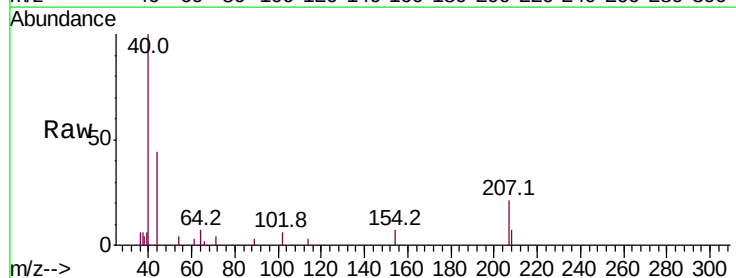
Acq: 12 Mar 2019 15:49

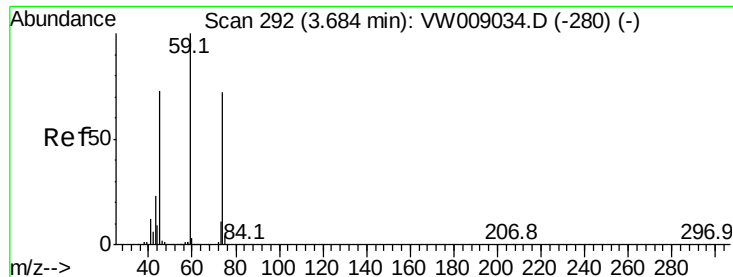
Tgt Ion: 64 Resp: 143

Ion Ratio Lower Upper

64 100

66 35.9 25.5 38.3





#8

Diethyl Ether

Concen: 2.345 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.01 min

Lab File: VW009125.D

Acq: 12 Mar 2019 15:49

Instrument :

MSVOA_W

ClientSampleId :

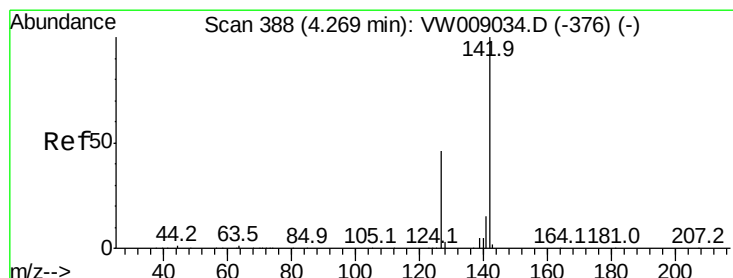
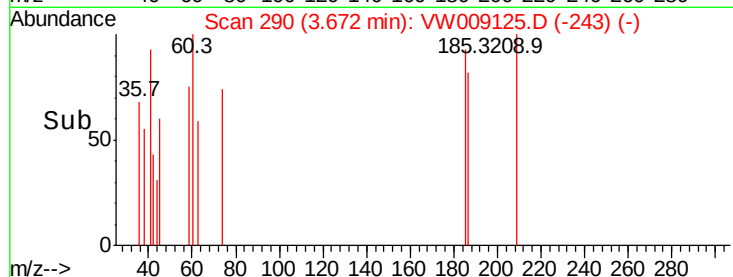
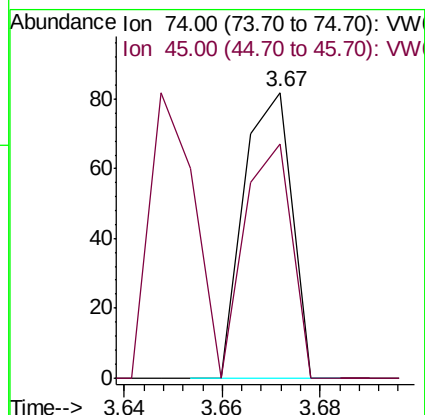
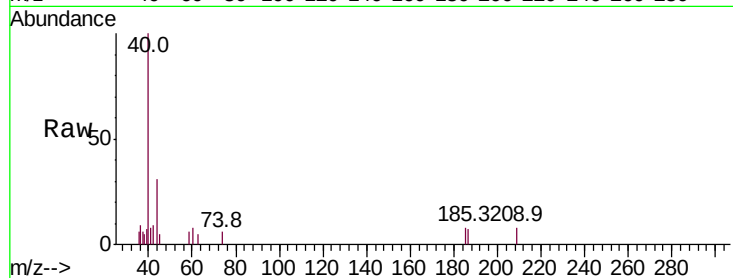
TP-18

Tot Ion: 74 Resp: 56

Ion Ratio Lower Upper

74 100

45 80.4 52.3 157.1



#10

Methyl Iodide

Concen: 4.447 ug/l

RT: 4.28 min Scan# 390

Delta R.T. 0.01 min

Lab File: VW009125.D

Acq: 12 Mar 2019 15:49

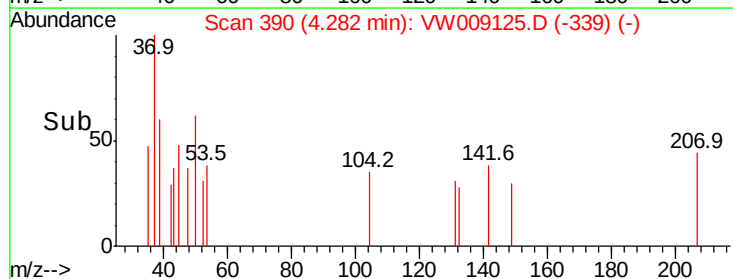
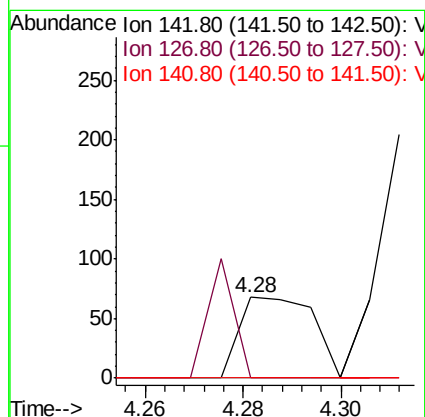
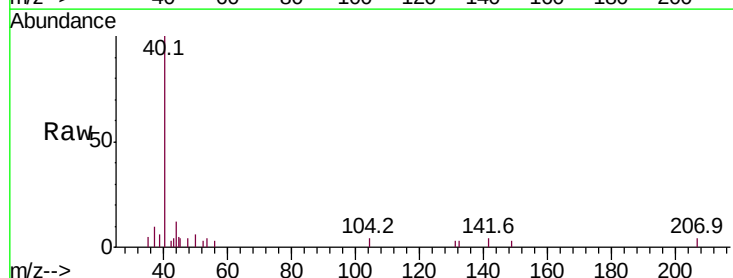
Tgt Ion: 142 Resp: 71

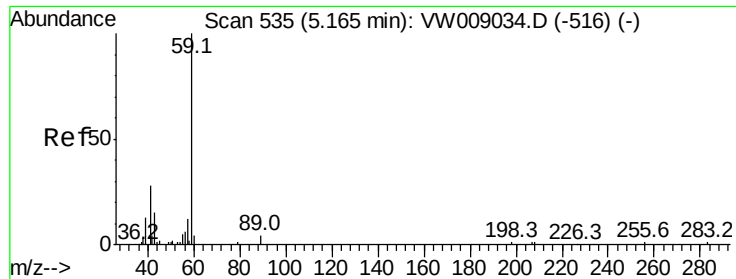
Ion Ratio Lower Upper

142 100

127 52.1 35.8 53.6

141 0.0 11.8 17.8#



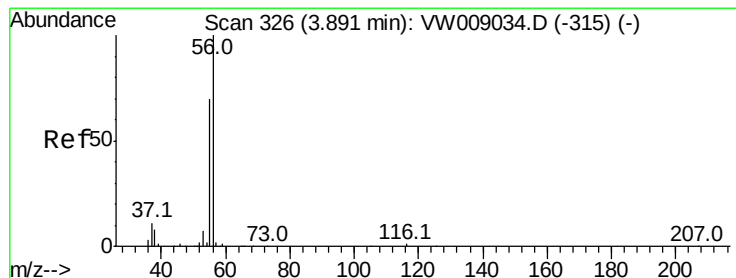
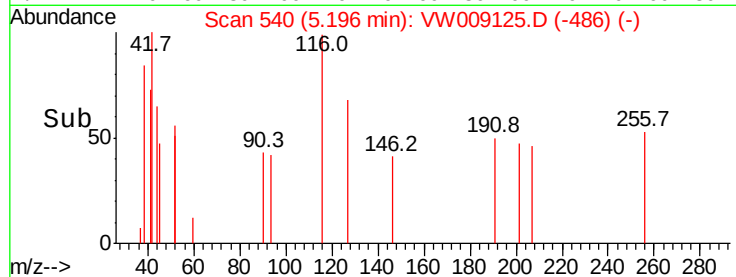
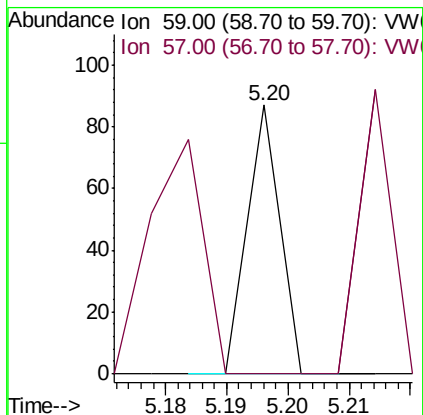
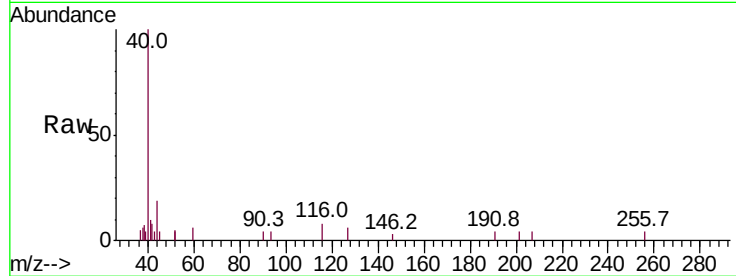


#11

Tert butyl alcohol
 Concen: 8.890 ug/l
 RT: 5.20 min Scan# 540
 Delta R.T. 0.03 min
 Lab File: VW009125.D
 Acq: 12 Mar 2019 15:49

Instrument :
 MSVOA_W
 ClientSampled :
 TP-18

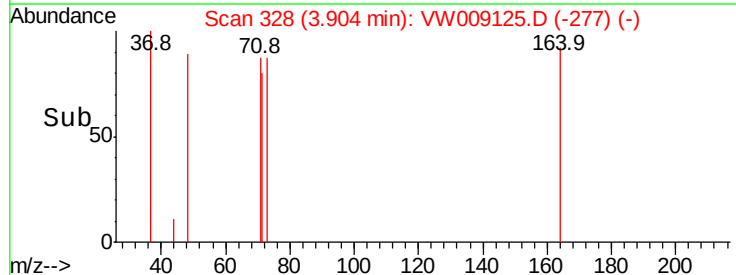
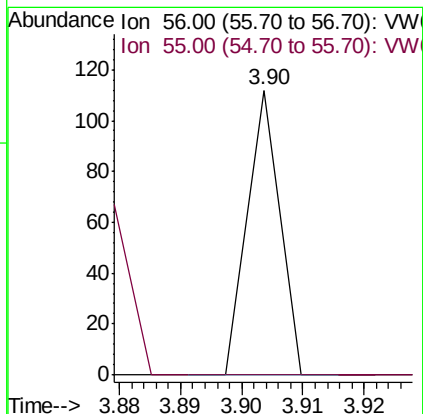
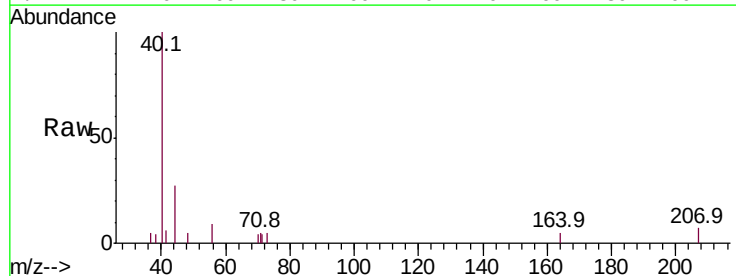
Tot Ion: 59 Resp: 32
 Ion Ratio Lower Upper
 59 100
 57 146.9 8.6 12.8#

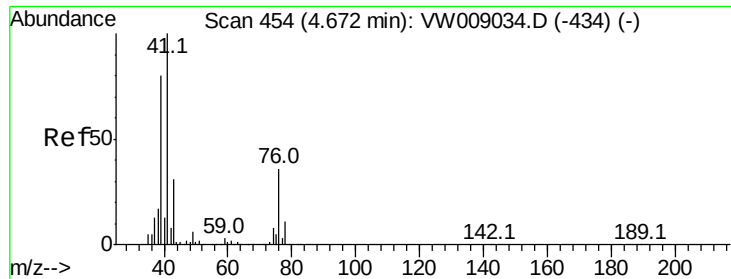


#13

Acrolein
 Concen: 10.351 ug/l
 RT: 3.90 min Scan# 328
 Delta R.T. 0.01 min
 Lab File: VW009125.D
 Acq: 12 Mar 2019 15:49

Tgt Ion: 56 Resp: 41
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.6 84.8#





#14

Allvl chloride

Concen: 4.945 ug/l

RT: 4.70 min Scan# 459

Delta R.T. 0.03 min

Lab File: VW009125.D

Acq: 12 Mar 2019 15:49

Instrument :

MSVOA_W

ClientSampled :

TP-18

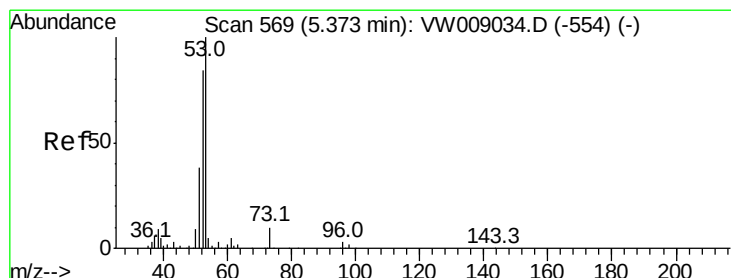
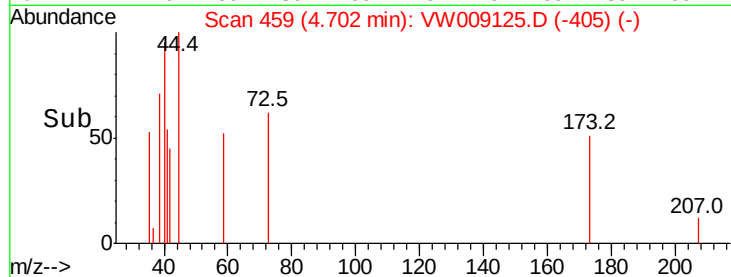
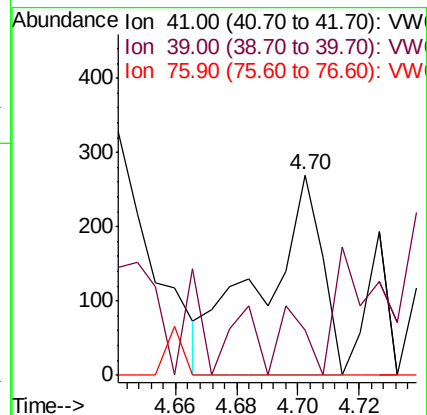
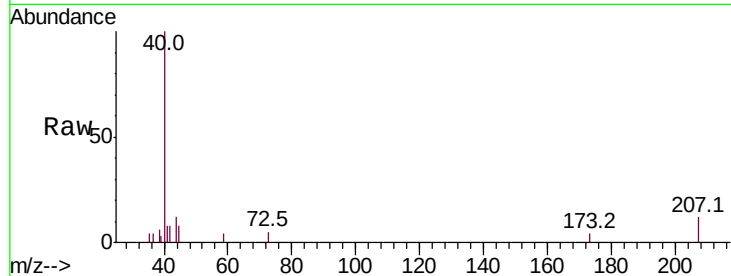
Tot Ion: 41 Resp: 366

Ion Ratio Lower Upper

41 100

39 9.3 63.0 94.4#

76 0.0 28.2 42.2#



#15

Acrylonitrile

Concen: 8.251 ug/l

RT: 5.40 min Scan# 573

Delta R.T. 0.02 min

Lab File: VW009125.D

Acq: 12 Mar 2019 15:49

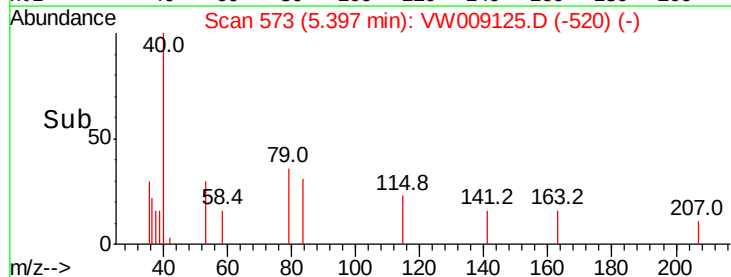
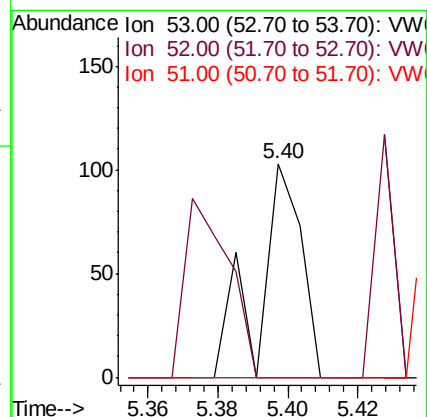
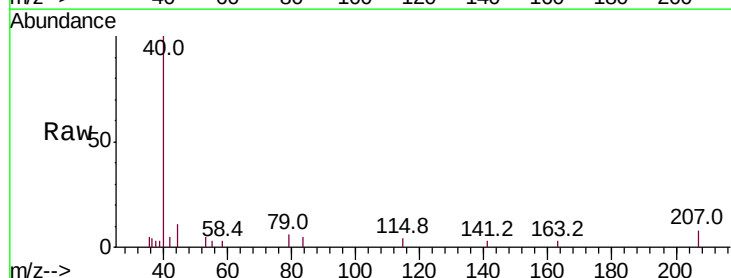
Tgt Ion: 53 Resp: 86

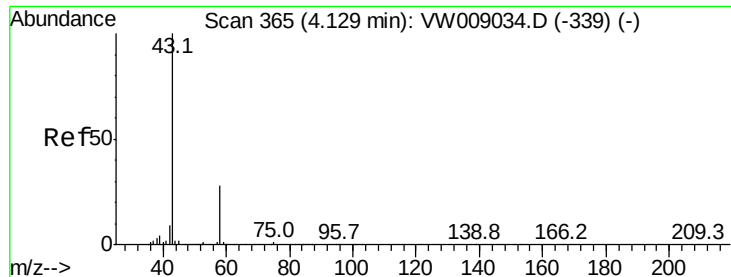
Ion Ratio Lower Upper

53 100

52 0.0 67.2 100.8#

51 0.0 31.8 47.6#





#16

Acetone

Concen: 63.867 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW009125.D

Acq: 12 Mar 2019 15:49

Instrument :

MSVOA_W

ClientSampled :

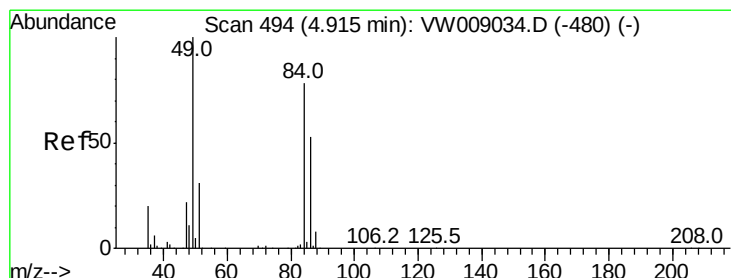
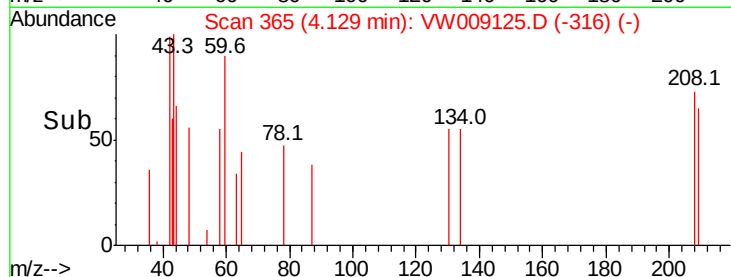
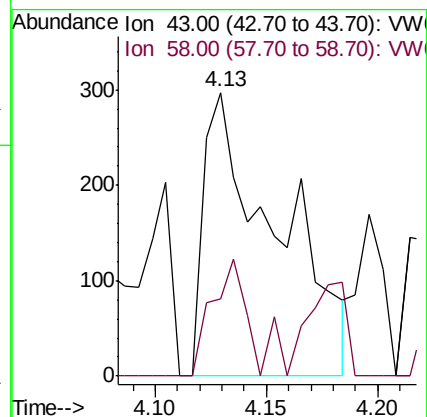
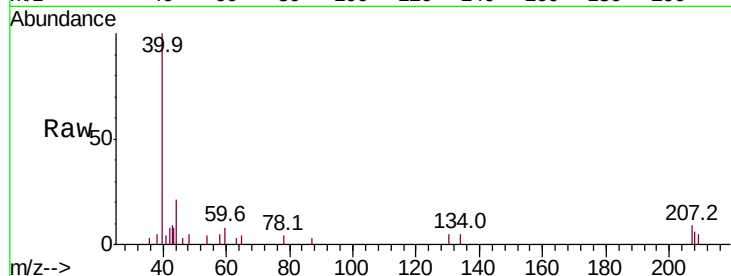
TP-18

Tot Ion: 43 Resp: 677

Ion Ratio Lower Upper

43 100

58 27.3 22.5 33.7



#20

Methylene Chloride

Concen: 2.124 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW009125.D

Acq: 12 Mar 2019 15:49

Tgt Ion: 84 Resp: 365

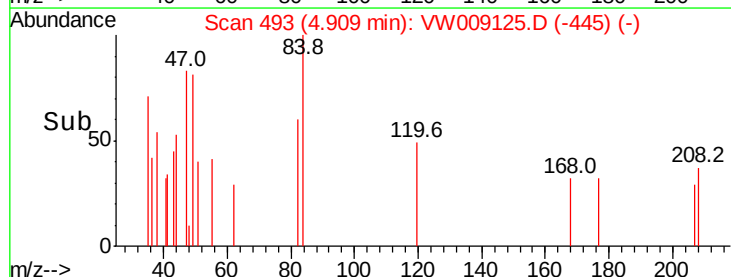
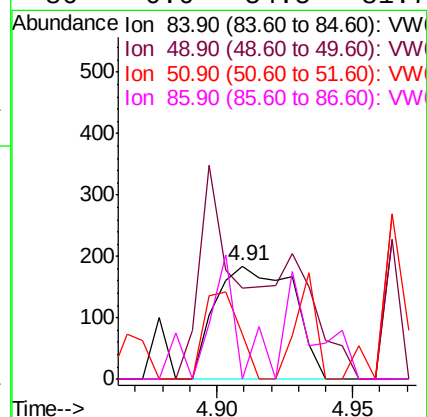
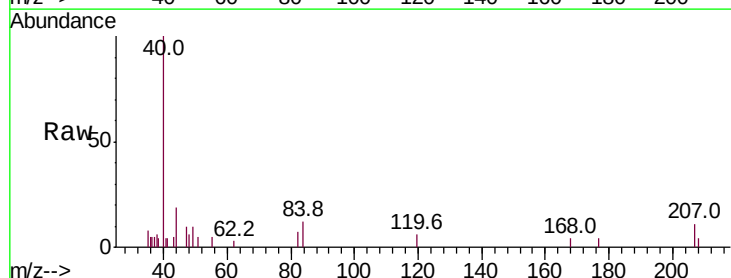
Ion Ratio Lower Upper

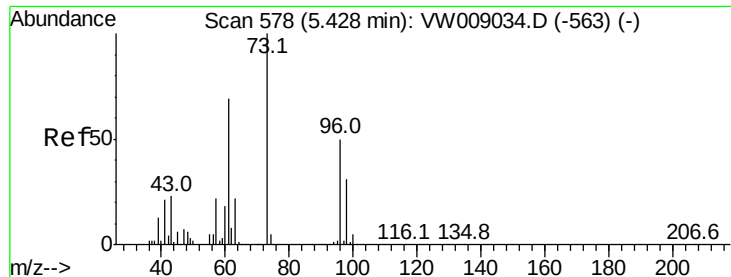
84 100

49 51.6 102.4 153.6#

51 40.2 31.6 47.4

86 0.0 54.5 81.7#





#21

trans-1,2-Dichloroethene

Concen: 1.961 ug/l

RT: 5.46 min Scan# 583

Delta R.T. 0.03 min

Lab File: VW009125.D

Acq: 12 Mar 2019 15:49

Instrument :

MSVOA_W

ClientSampleId :

TP-18

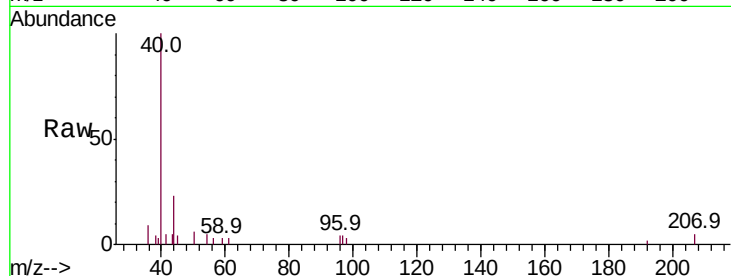
Tot Ion: 96 Resp: 95

Ion Ratio Lower Upper

96 100

61 38.6 111.0 166.6#

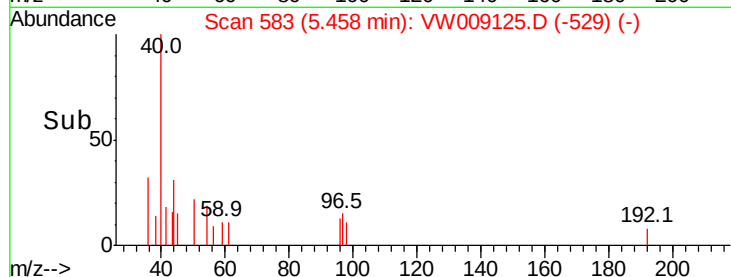
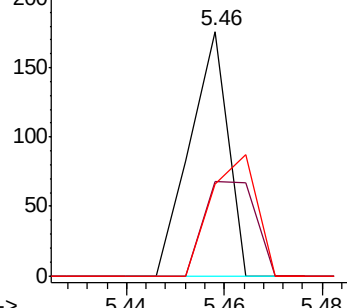
98 37.5 49.4 74.0#



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#25

2-Butanone

Concen: 7.372 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.02 min

Lab File: VW009125.D

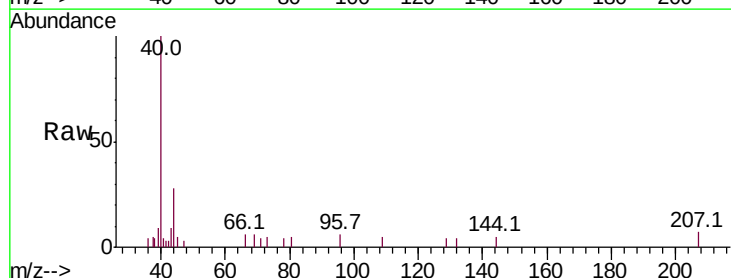
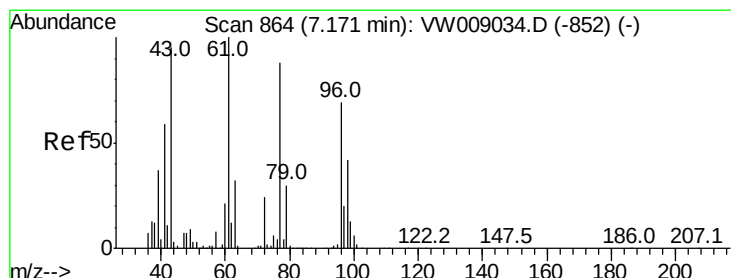
Acq: 12 Mar 2019 15:49

Tgt Ion: 43 Resp: 108

Ion Ratio Lower Upper

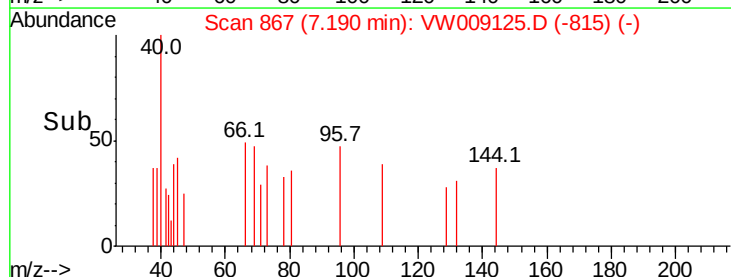
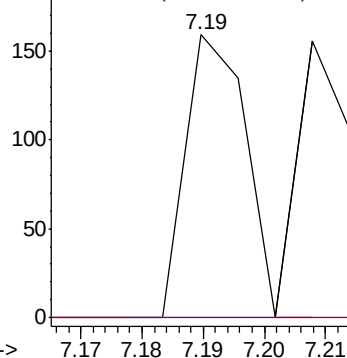
43 100

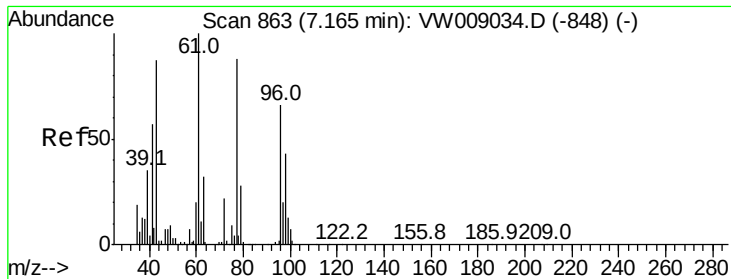
72 0.0 20.0 30.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#26

2,2-Dichloropropane

Concen: 1.444 ug/l

RT: 7.20 min Scan# 868

Delta R.T. 0.03 min

Lab File: VW009125.D

Acq: 12 Mar 2019 15:49

Instrument :

MSVOA_W

ClientSampled :

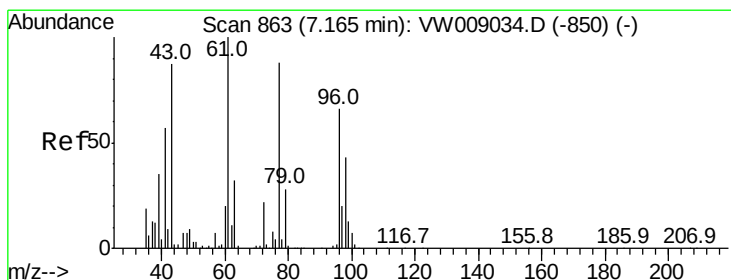
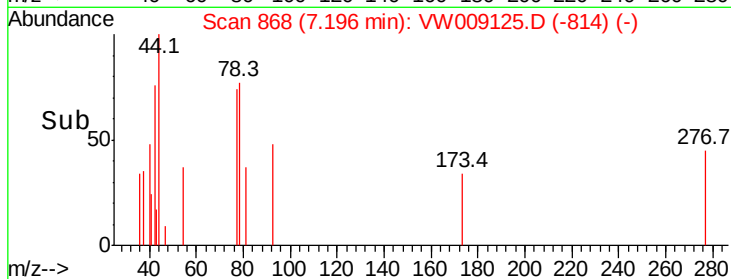
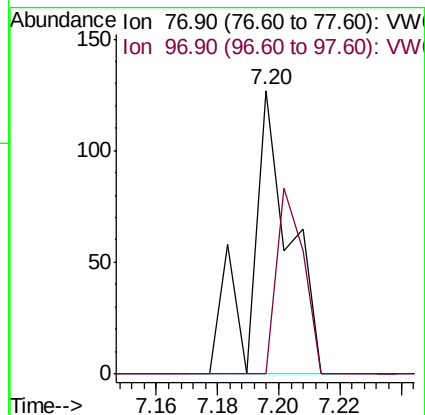
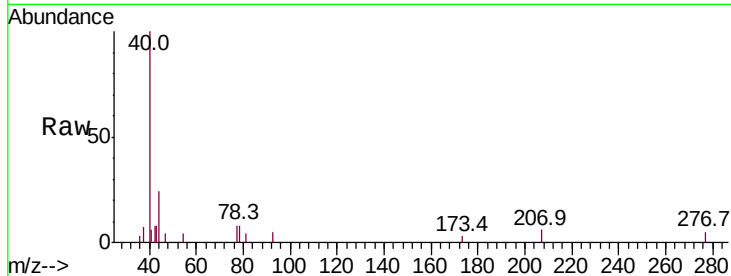
TP-18

Tot Ion: 77 Resp: 112

Ion Ratio Lower Upper

77 100

97 44.6 10.9 32.9#



#27

cis-1,2-Dichloroethene

Concen: 1.806 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.02 min

Lab File: VW009125.D

Acq: 12 Mar 2019 15:49

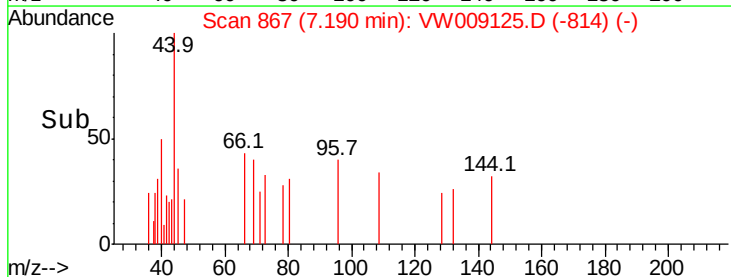
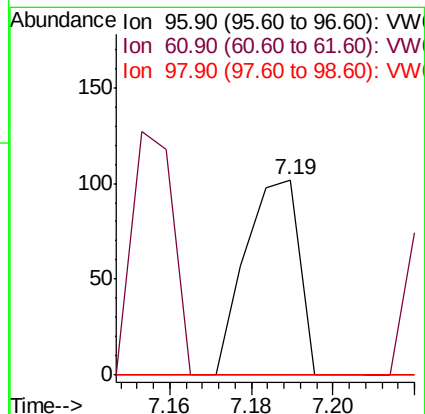
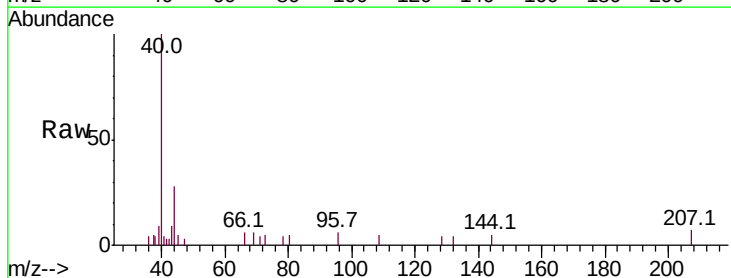
Tgt Ion: 96 Resp: 94

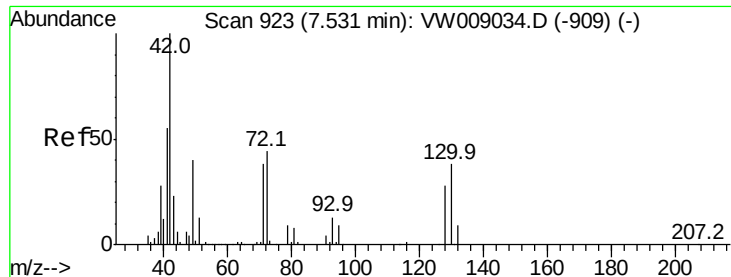
Ion Ratio Lower Upper

96 100

61 0.0 0.0 299.8

98 0.0 0.0 127.2

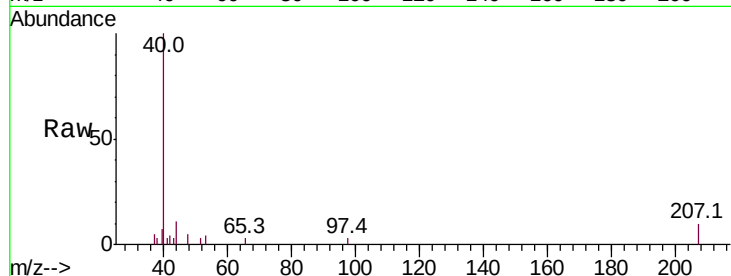




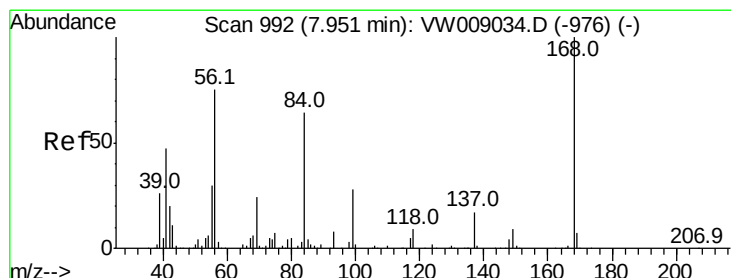
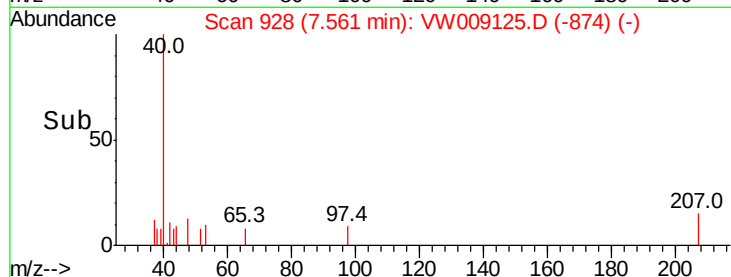
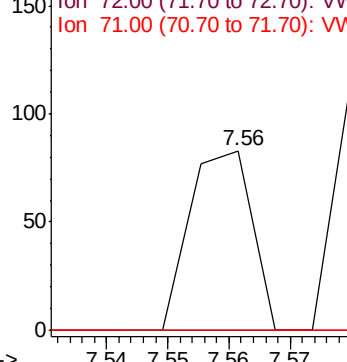
#29
Tetrahydrofuran
Concen: 6.391 ug/l
RT: 7.56 min Scan# 928
Delta R.T. 0.03 min
Lab File: VW009125.D
Acq: 12 Mar 2019 15:49

Instrument :
MSVOA_W
ClientSampleId :
TP-18

Tot Ion: 42 Resp: 59
Ion Ratio Lower Upper
42 100
72 0.0 32.2 48.4#
71 0.0 30.7 46.1#

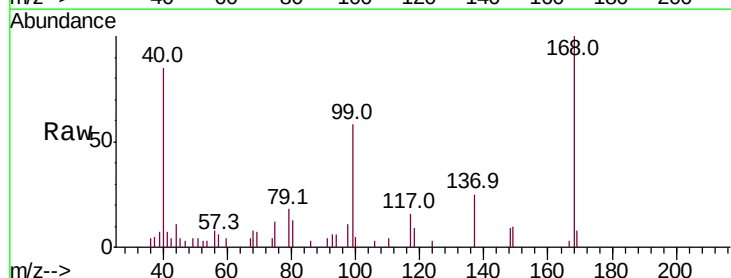


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

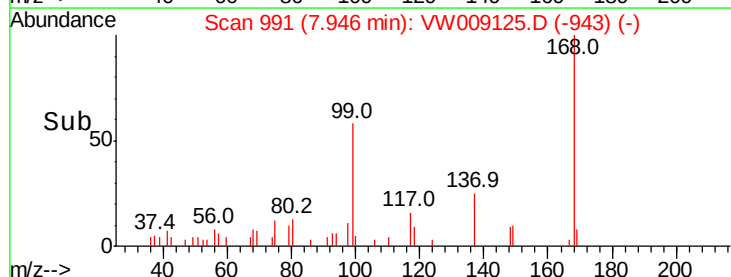
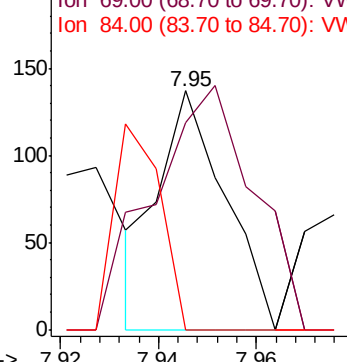


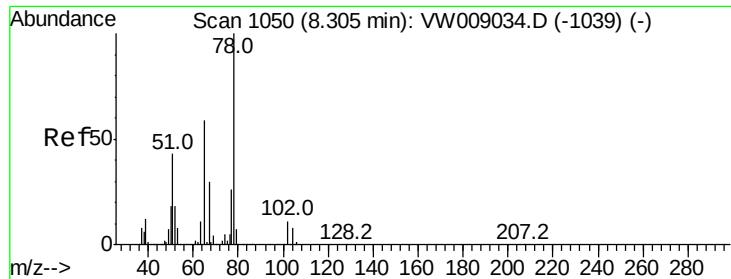
#31
Cyclohexane
Concen: 1.473 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW009125.D
Acq: 12 Mar 2019 15:49

Tgt Ion: 56 Resp: 129
Ion Ratio Lower Upper
56 100
69 38.0 25.5 38.3
84 0.0 68.6 103.0#



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

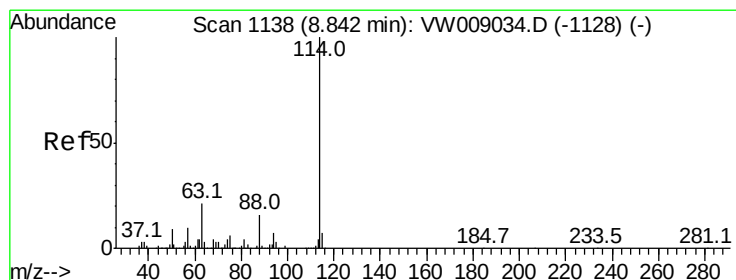
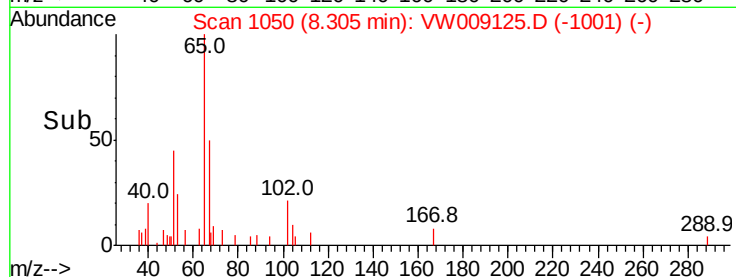
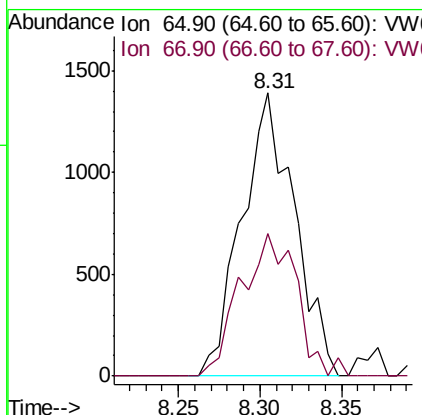
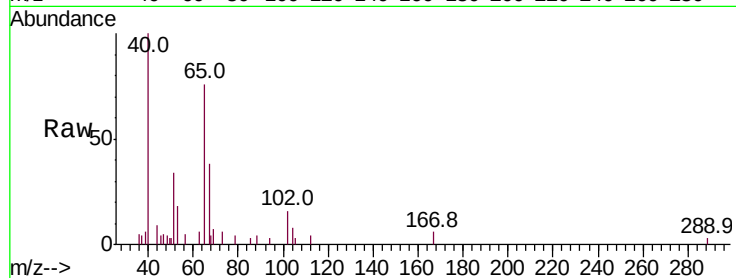




#33
 1,2-Dichloroethane-d4
 Concen: 66.419 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW009125.D
 Acq: 12 Mar 2019 15:49

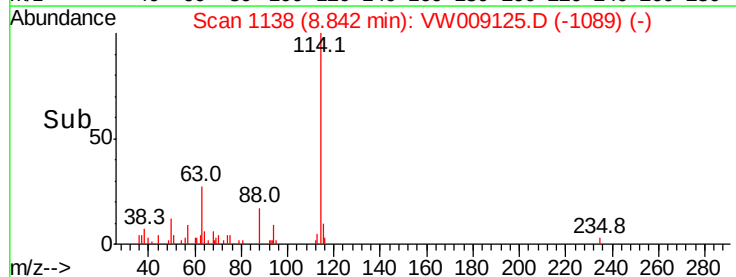
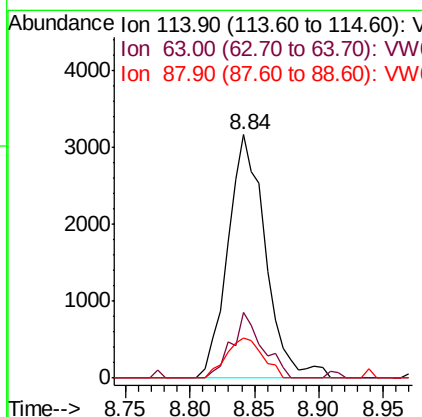
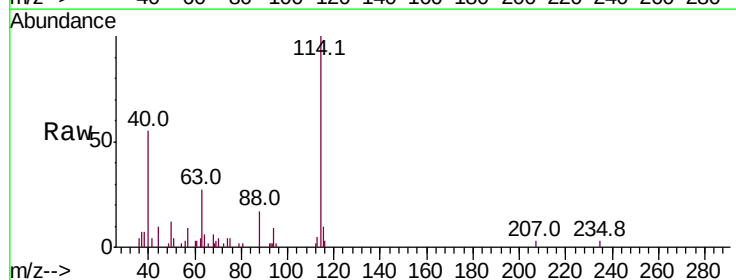
Instrument :
 MSVOA_W
 ClientSampled :
 TP-18

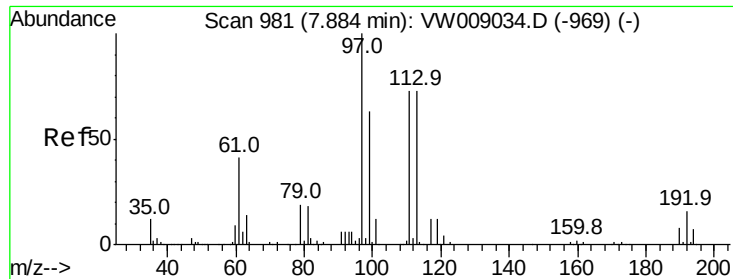
Tot Ion: 65 Resp: 3120
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009125.D
 Acq: 12 Mar 2019 15:49

Tgt Ion: 114 Resp: 6417
 Ion Ratio Lower Upper
 114 100
 63 26.7 0.0 41.2
 88 16.5 0.0 31.2





#35

Dibromofluoromethane

Concen: 71.410 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

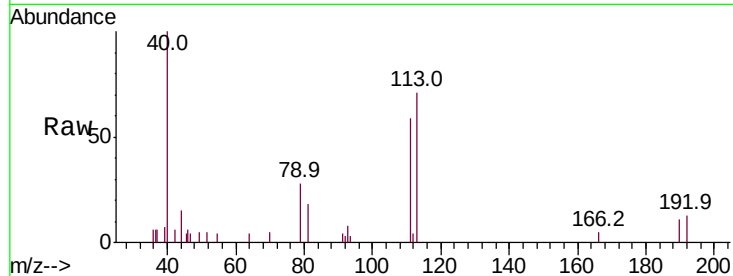
Lab File: VW009125.D

Acq: 12 Mar 2019 15:49

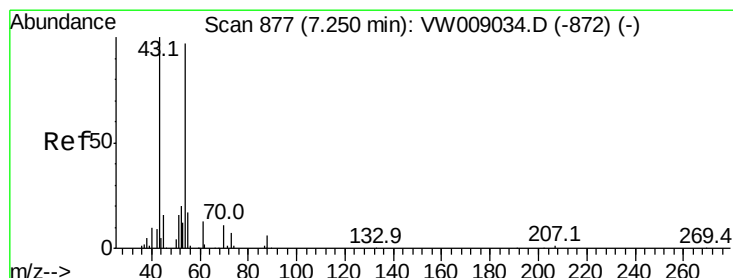
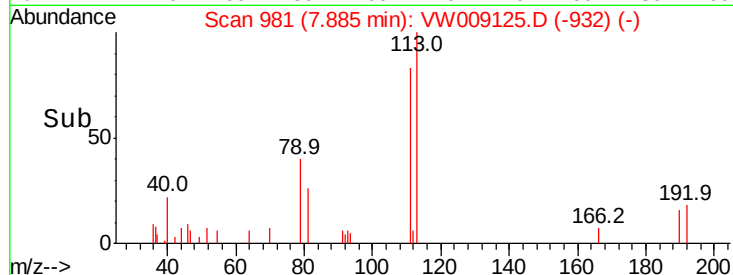
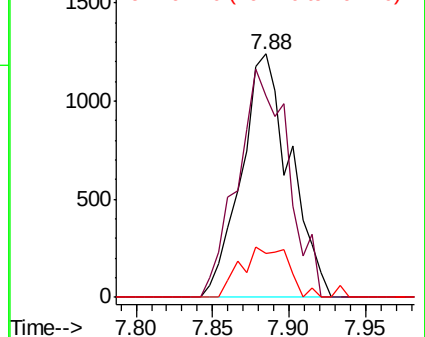
Instrument :
MSVOA_W
ClientSampled :
TP-18

Tot Ion:113 Resp: 2759

Ion	Ratio	Lower	Upper
113	100		
111	97.4	81.0	121.4
192	20.2	17.1	25.7



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#37

Ethyl Acetate

Concen: 1.079 ug/l

RT: 7.23 min Scan# 874

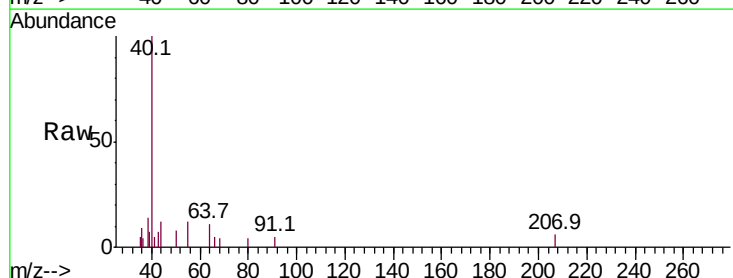
Delta R.T. -0.02 min

Lab File: VW009125.D

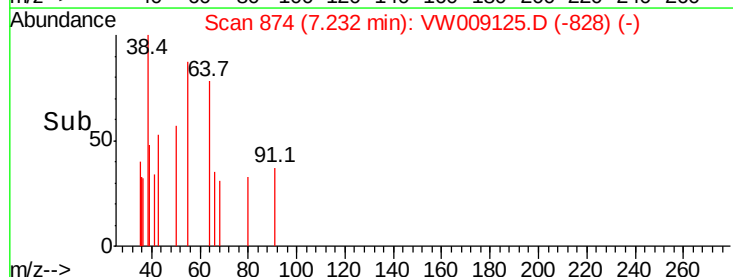
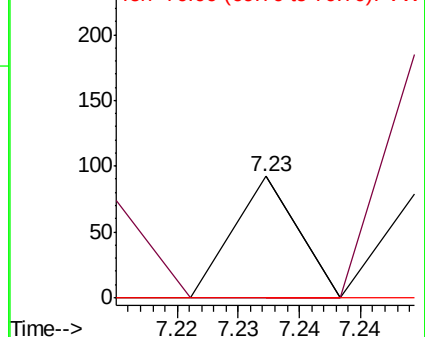
Acq: 12 Mar 2019 15:49

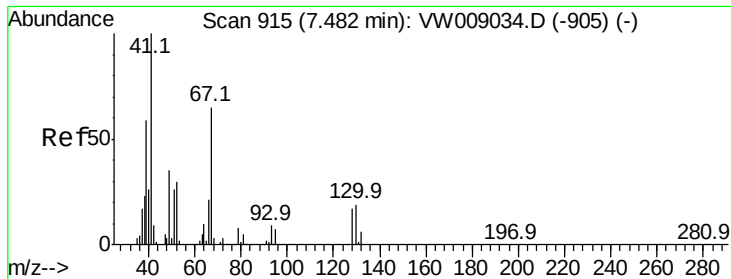
Tgt Ion: 43 Resp: 34

Ion	Ratio	Lower	Upper
43	100		
61	270.6	9.8	14.6#
70	0.0	7.2	10.8#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW





#41

Methacrylonitrile

Concen: 8.514 ug/l

RT: 7.46 min Scan# 912

Delta R.T. -0.02 min

Lab File: VW009125.D

Acq: 12 Mar 2019 15:49

Instrument :

MSVOA_W

ClientSampled :

TP-18

Tot Ion: 41 Resp: 149

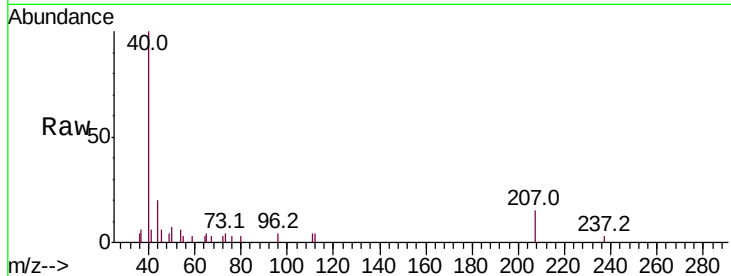
Ion Ratio Lower Upper

41 100

39 62.4 53.6 80.4

67 89.9 57.6 86.4#

52 0.0 26.0 39.0#

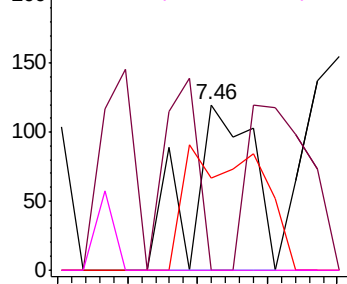


Abundance Ion 41.00 (40.70 to 41.70): VW

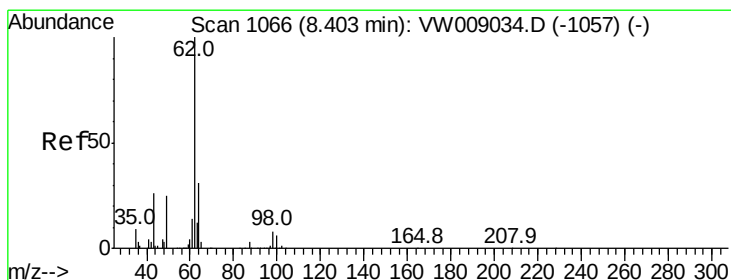
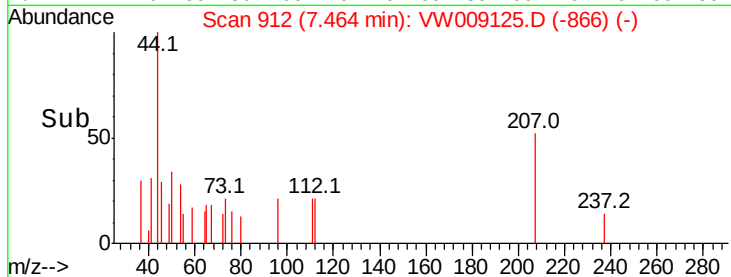
Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



Time-->



#42

1,2-Dichloroethane

Concen: 1.211 ug/l

RT: 8.47 min Scan# 1077

Delta R.T. 0.07 min

Lab File: VW009125.D

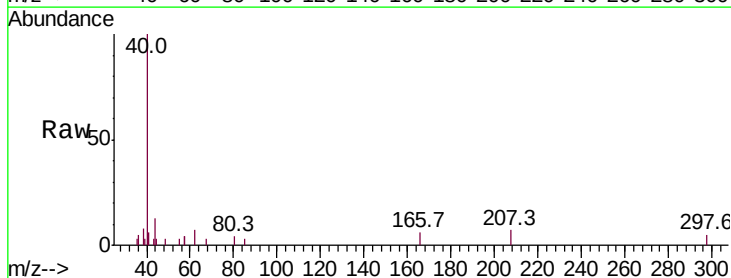
Acq: 12 Mar 2019 15:49

Tgt Ion: 62 Resp: 70

Ion Ratio Lower Upper

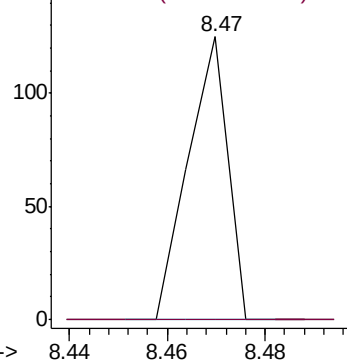
62 100

98 0.0 0.0 17.6

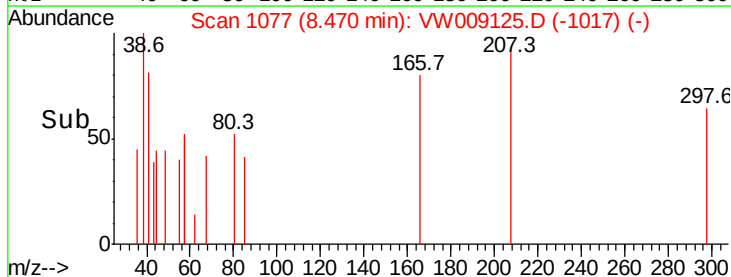


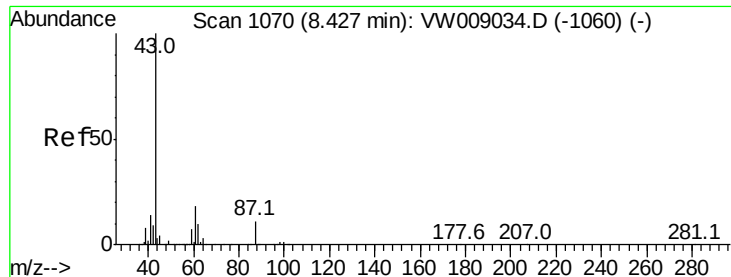
Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW



Time-->





#43

Isopropyl Acetate

Concen: 5.503 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW009125.D

Acq: 12 Mar 2019 15:49

Instrument :

MSVOA_W

ClientSampled :

TP-18

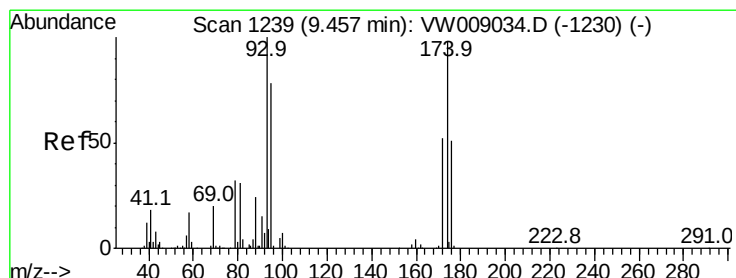
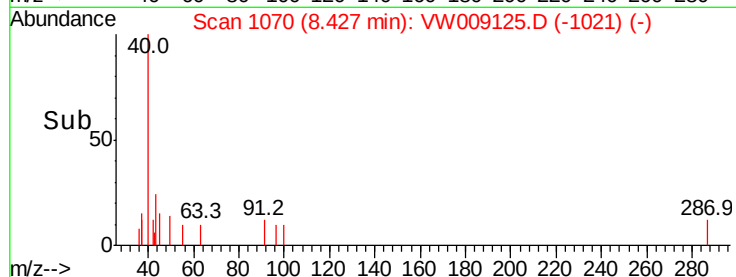
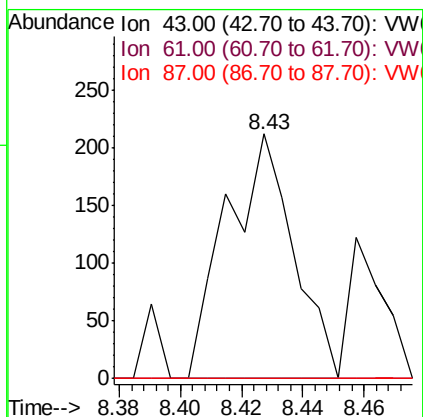
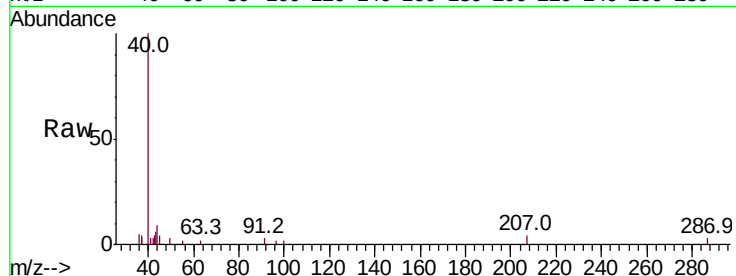
Tot Ion: 43 Resp: 323

Ion Ratio Lower Upper

43 100

61 0.0 22.8 34.2#

87 0.0 9.4 14.2#



#46

Dibromomethane

Concen: 1.796 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW009125.D

Acq: 12 Mar 2019 15:49

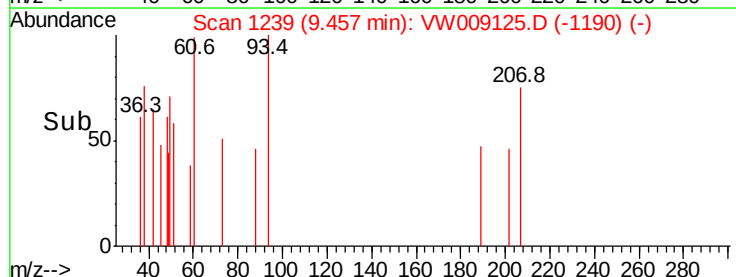
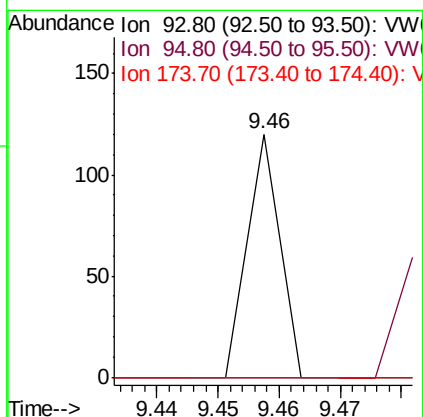
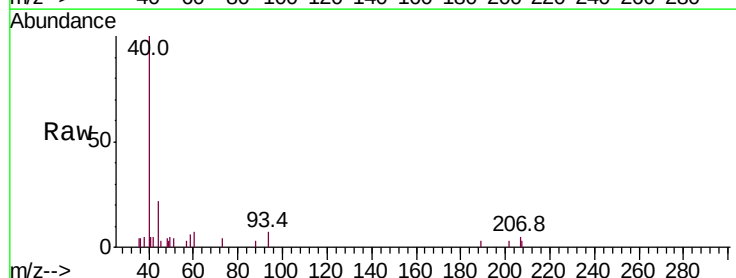
Tgt Ion: 93 Resp: 44

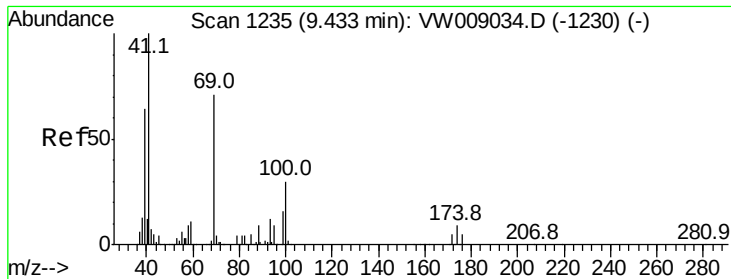
Ion Ratio Lower Upper

93 100

95 0.0 65.0 97.6#

174 0.0 81.8 122.6#





#48

Methyl methacrylate

Concen: 3.988 ug/l

RT: 9.42 min Scan# 1233

Delta R.T. -0.01 min

Lab File: VW009125.D

Acq: 12 Mar 2019 15:49

Instrument :

MSVOA_W

ClientSampled :

TP-18

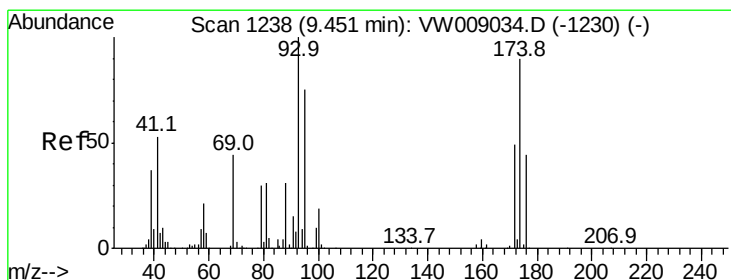
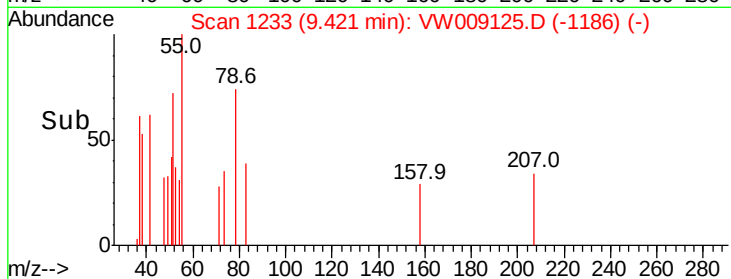
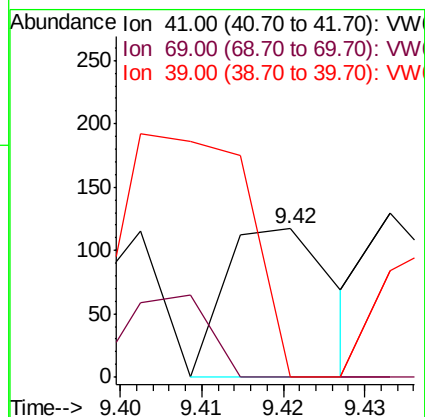
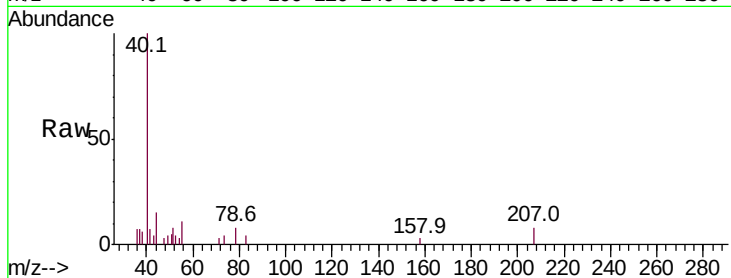
Tot Ion: 41 Resp: 109

Ion Ratio Lower Upper

41 100

69 0.0 59.1 88.7#

39 0.0 48.9 73.3#



#49

1,4-Dioxane

Concen: 290.738 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.00 min

Lab File: VW009125.D

Acq: 12 Mar 2019 15:49

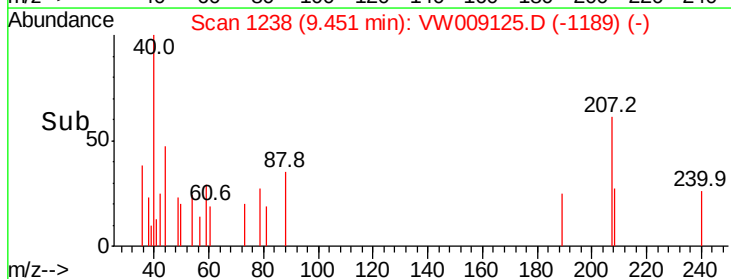
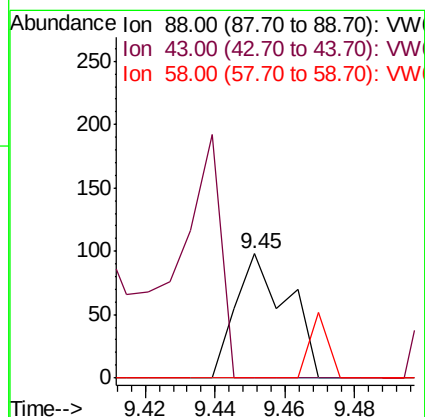
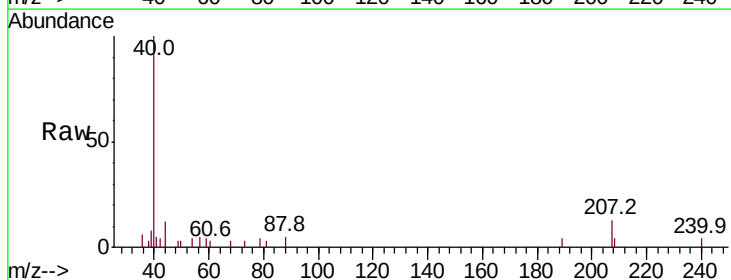
Tgt Ion: 88 Resp: 102

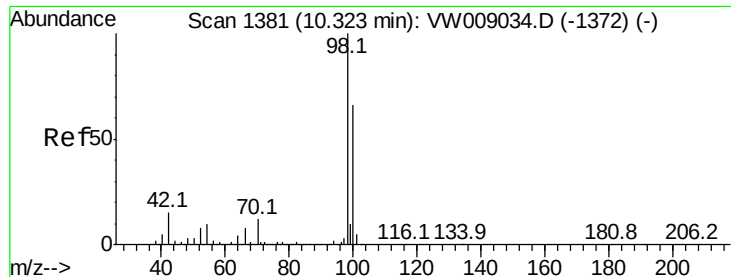
Ion Ratio Lower Upper

88 100

43 137.3 29.0 43.4#

58 0.0 59.2 88.8#





#50

Toluene-d8

Concen: 44.340 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009125.D

Acq: 12 Mar 2019 15:49

Instrument :

MSVOA_W

ClientSampled :

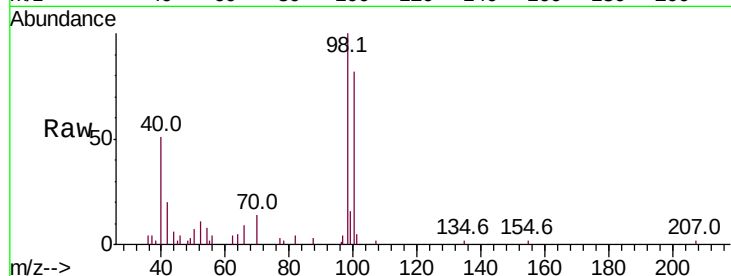
TP-18

Tot Ion: 98 Resp: 7036

Ion Ratio Lower Upper

98 100

100 69.1 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

4000

3000

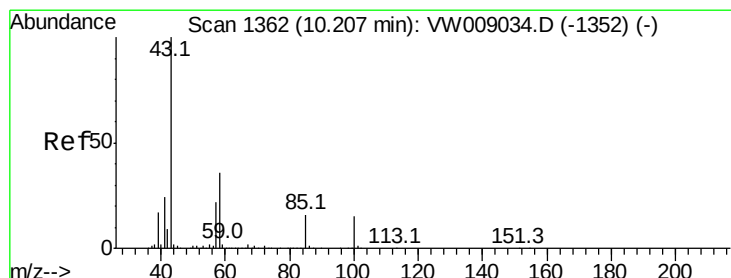
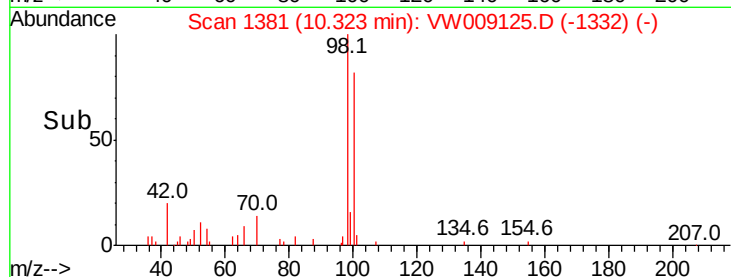
2000

1000

0

Time-->

10.25 10.30 10.35 10.40



#51

4-Methyl-2-Pentanone

Concen: 2.618 ug/l

RT: 10.30 min Scan# 1378

Delta R.T. 0.10 min

Lab File: VW009125.D

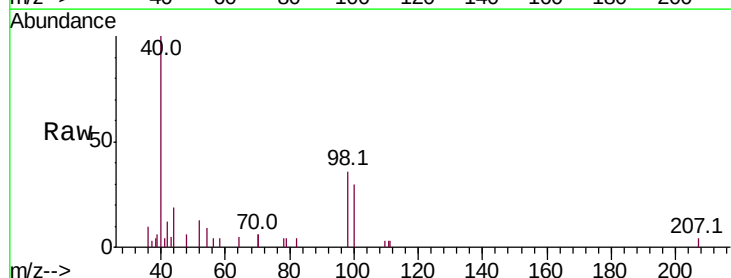
Acq: 12 Mar 2019 15:49

Tgt Ion: 43 Resp: 78

Ion Ratio Lower Upper

43 100

58 37.2 28.8 43.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

150

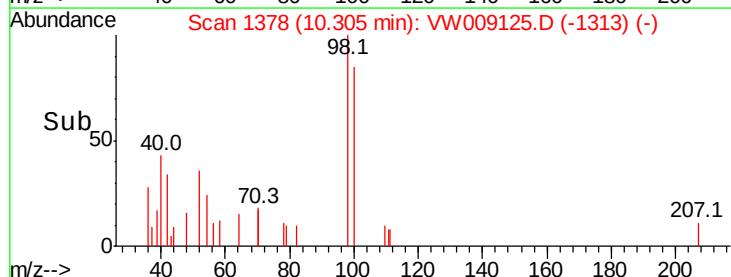
100

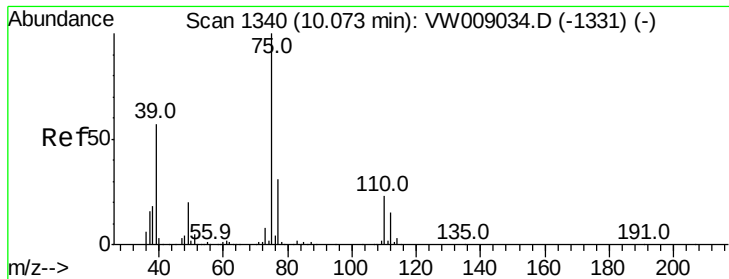
50

0

Time-->

10.30 10.32





#54

cis-1,3-Dichloropropene

Concen: 1.490 ug/l

RT: 10.12 min Scan# 1348

Delta R.T. 0.05 min

Lab File: VW009125.D

Acq: 12 Mar 2019 15:49

Instrument :

MSVOA_W

ClientSampled :

TP-18

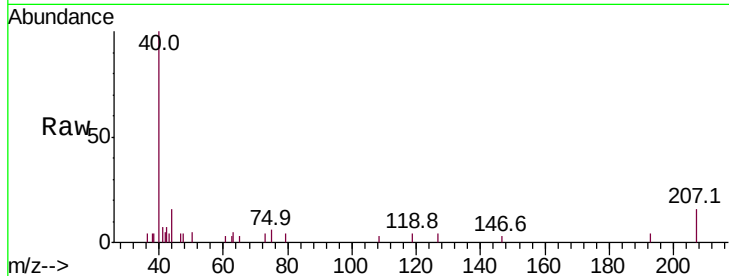
Tot Ion: 75 Resp: 105

Ion Ratio Lower Upper

75 100

77 0.0 24.6 36.8#

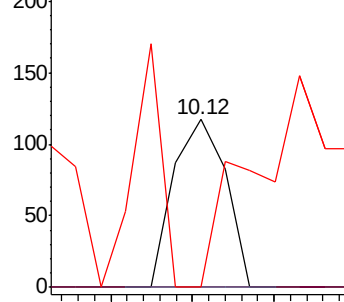
39 0.0 45.9 68.9#



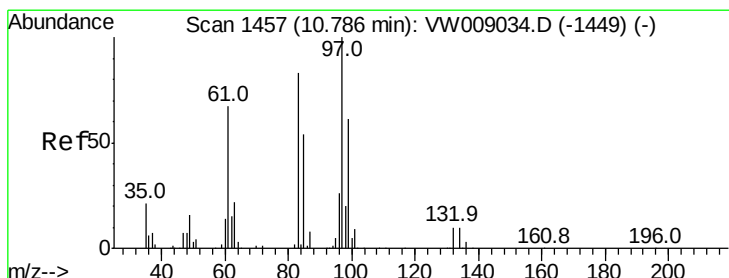
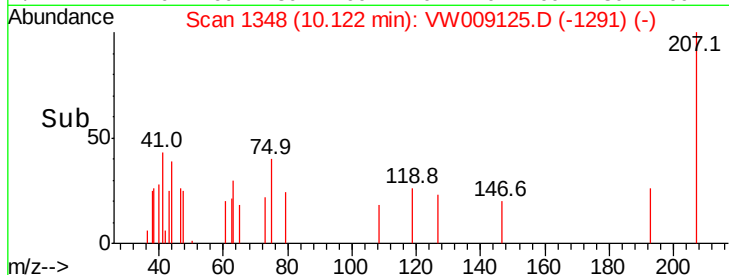
Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW



Time-->



#55

1,1,2-Trichloroethane

Concen: 6.535 ug/l

RT: 10.77 min Scan# 1455

Delta R.T. -0.01 min

Lab File: VW009125.D

Acq: 12 Mar 2019 15:49

Tgt Ion: 97 Resp: 217

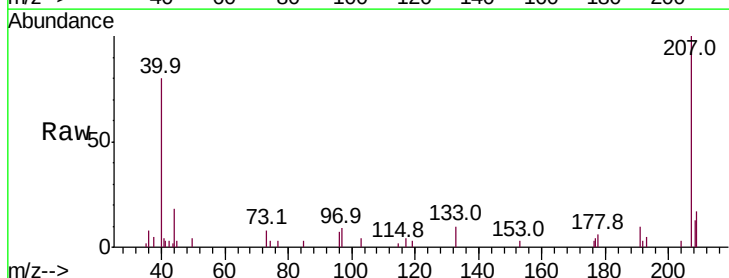
Ion Ratio Lower Upper

97 100

83 0.0 66.2 99.2#

85 33.8 43.6 65.4#

99 0.0 49.0 73.4#

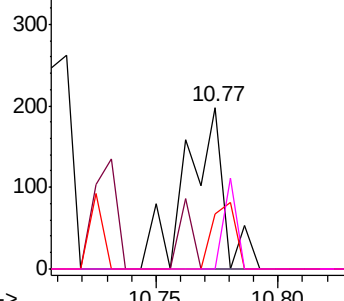


Abundance Ion 96.90 (96.60 to 97.60): VW

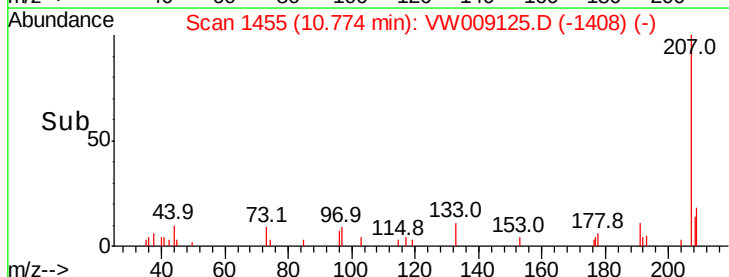
Ion 82.90 (82.60 to 83.60): VW

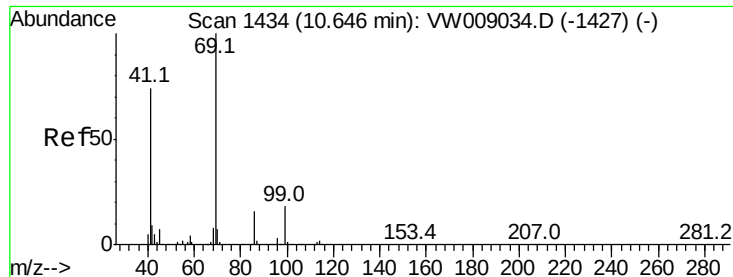
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



Time-->





#56

Ethyl methacrylate

Concen: 1.140 ug/l

RT: 10.65 min Scan# 1435

Delta R.T. 0.01 min

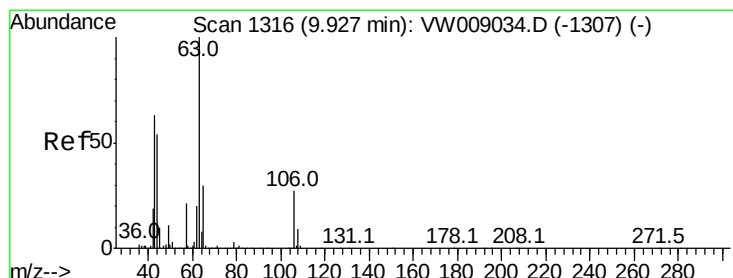
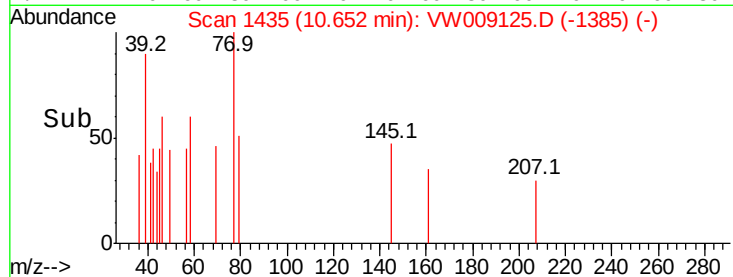
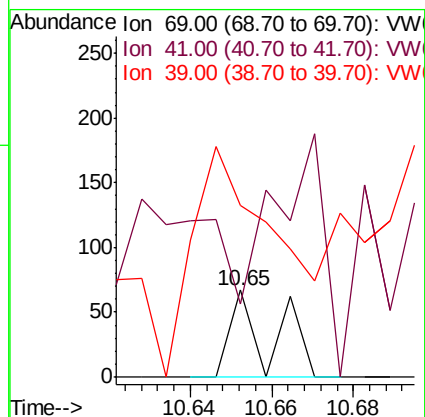
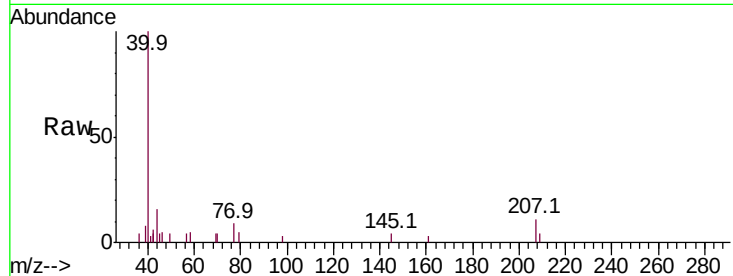
Lab File: VW009125.D

Acq: 12 Mar 2019 15:49

Instrument :
MSVOA_W
ClientSampled :
TP-18

Tot Ion: 69 Resp: 47

Ion	Ratio	Lower	Upper
69	100		
41	0.0	59.4	89.2#
39	551.1	38.5	57.7#



#58

2-Chloroethyl Vinyl ether

Concen: 2.762 ug/l

RT: 9.93 min Scan# 1317

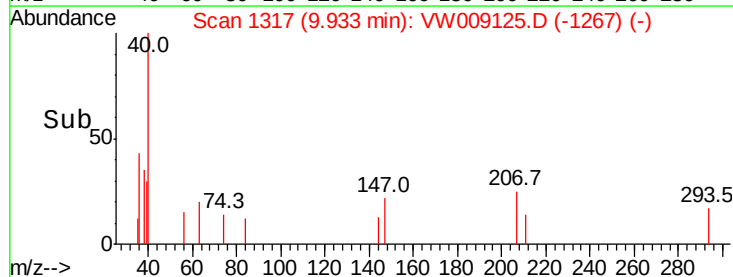
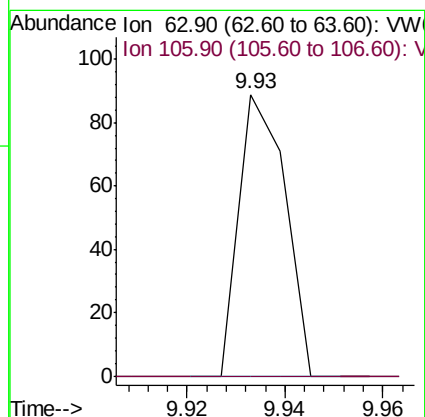
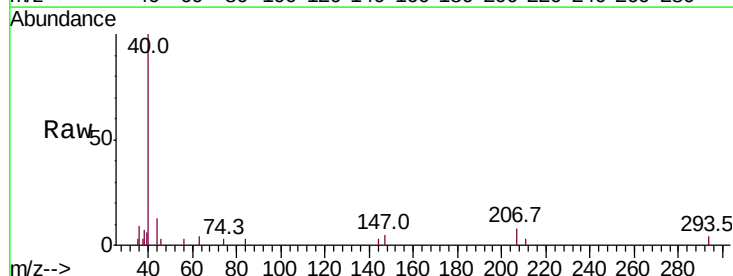
Delta R.T. 0.01 min

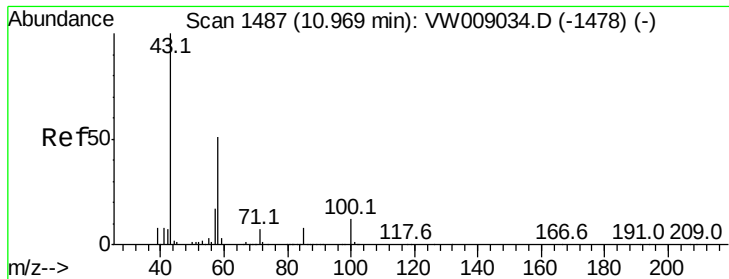
Lab File: VW009125.D

Acq: 12 Mar 2019 15:49

Tgt Ion: 63 Resp: 59

Ion	Ratio	Lower	Upper
63	100		
106	0.0	23.0	34.6#





#59

2-Hexanone

Concen: 6.205 ug/l

RT: 11.00 min Scan# 1492

Delta R.T. 0.03 min

Lab File: VW009125.D

Acq: 12 Mar 2019 15:49

Instrument :

MSVOA_W

ClientSampled :

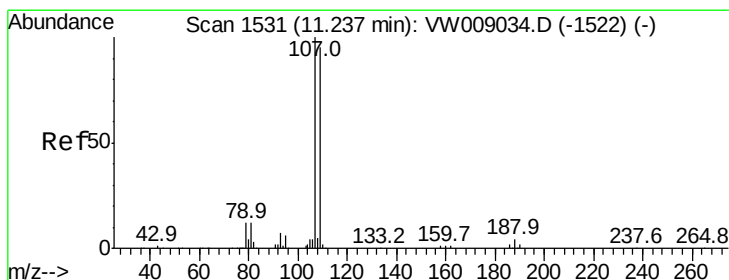
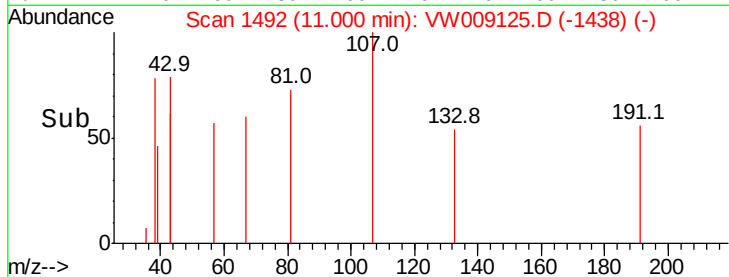
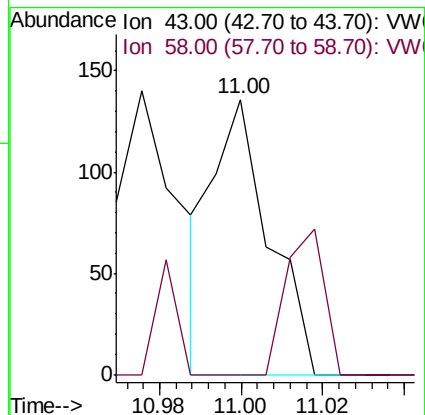
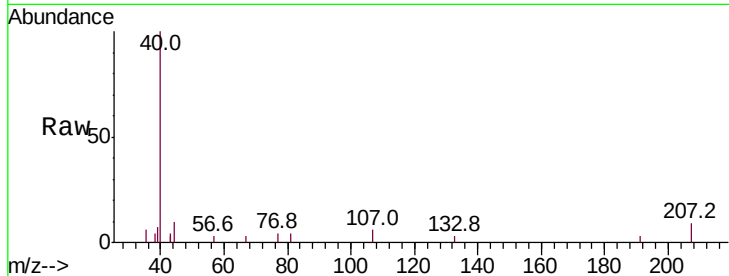
TP-18

Tot Ion: 43 Resp: 130

Ion Ratio Lower Upper

43 100

58 36.9 25.3 75.9



#61

1,2-Dibromoethane

Concen: 1.075 ug/l

RT: 11.00 min Scan# 1492

Delta R.T. -0.24 min

Lab File: VW009125.D

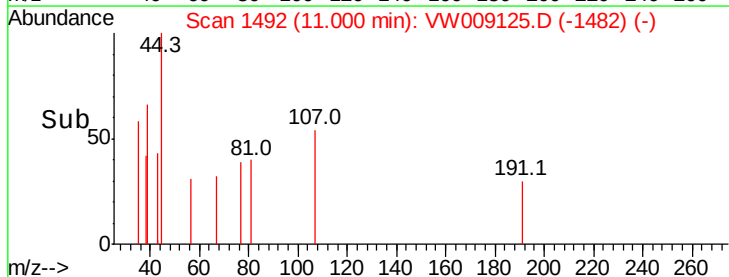
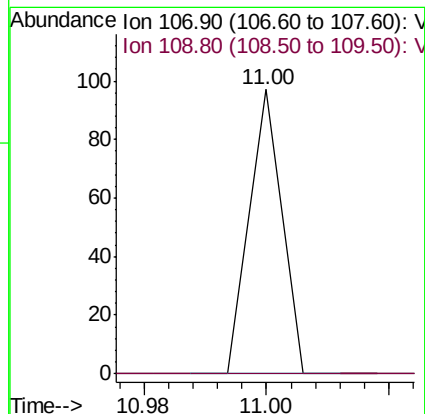
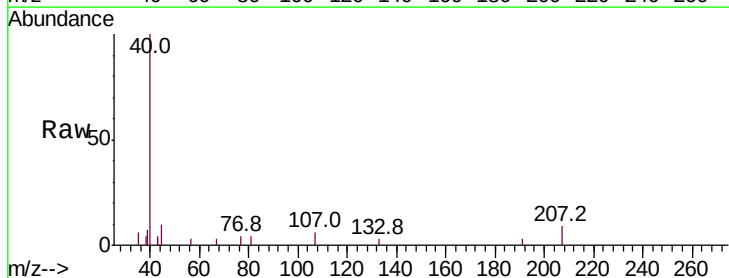
Acq: 12 Mar 2019 15:49

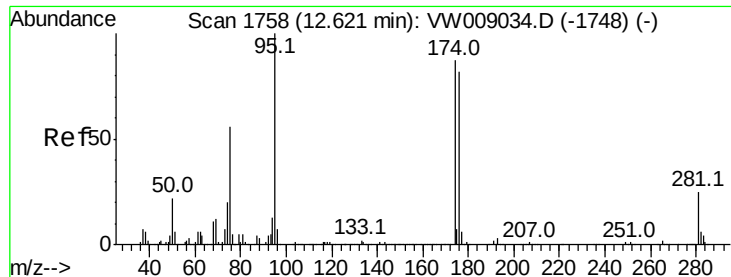
Tgt Ion: 107 Resp: 35

Ion Ratio Lower Upper

107 100

109 0.0 74.7 112.1#





#62

4-Bromofluorobenzene

Concen: 24.269 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. 0.01 min

Lab File: VW009125.D

Acq: 12 Mar 2019 15:49

Instrument :

MSVOA_W

ClientSampleId :

TP-18

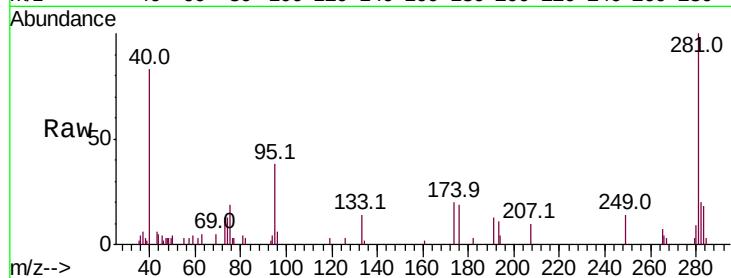
Tot Ion: 95 Resp: 1516

Ion Ratio Lower Upper

95 100

174 68.4 0.0 167.0

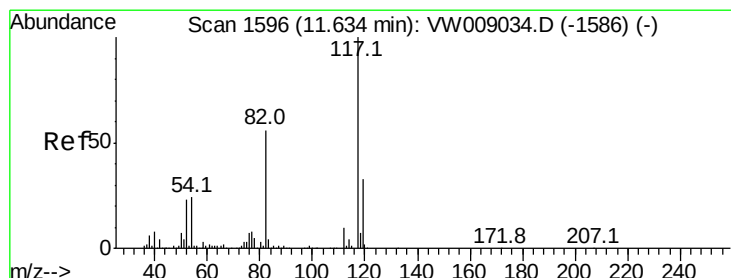
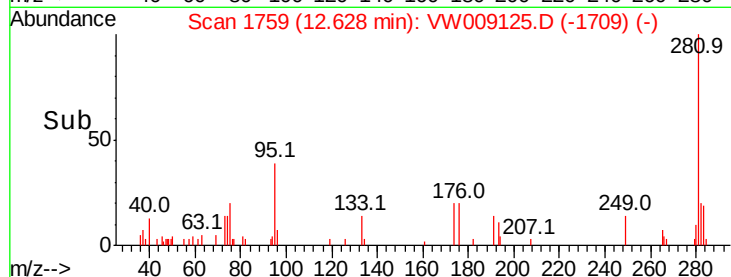
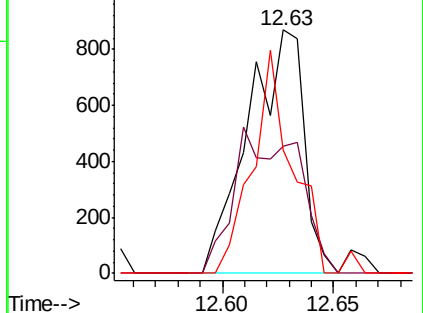
176 64.4 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1595

Delta R.T. -0.01 min

Lab File: VW009125.D

Acq: 12 Mar 2019 15:49

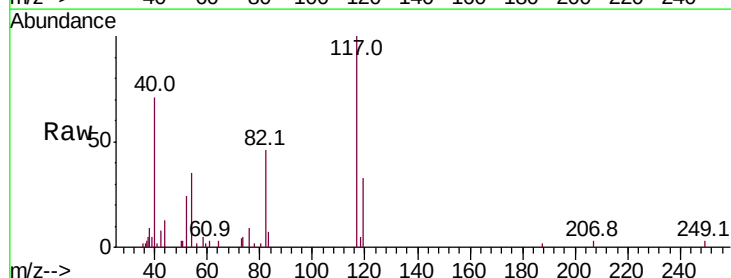
Tgt Ion: 117 Resp: 4706

Ion Ratio Lower Upper

117 100

82 45.9 45.0 67.6

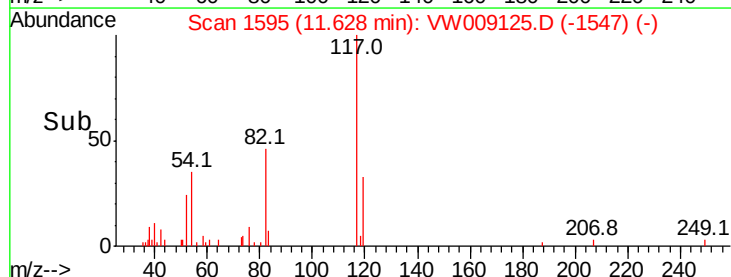
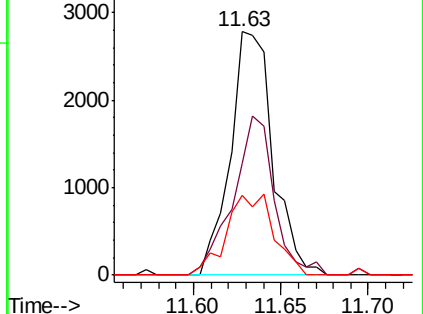
119 32.7 26.6 39.8

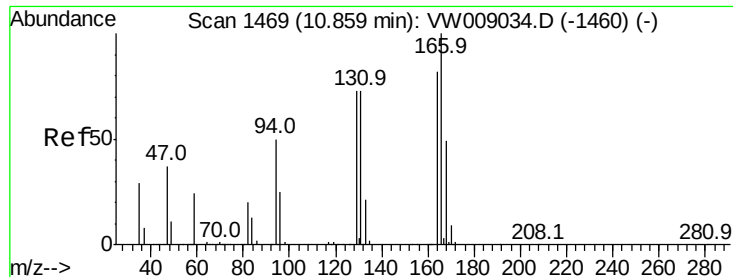


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#64

Tetrachloroethene

Concen: 2.298 ug/l

RT: 10.85 min Scan# 1468

Delta R.T. -0.01 min

Lab File: VW009125.D

Acq: 12 Mar 2019 15:49

Instrument :

MSVOA_W

ClientSampled :

TP-18

Tot Ion:164 Resp: 78

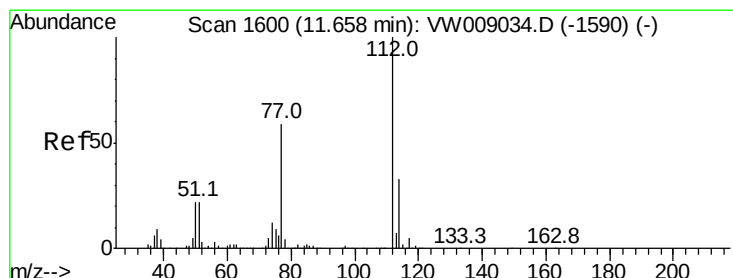
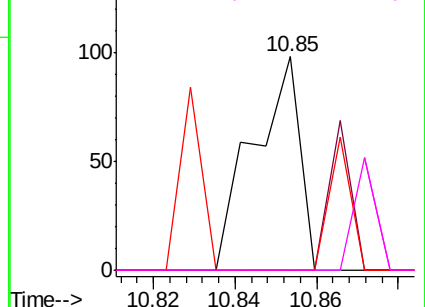
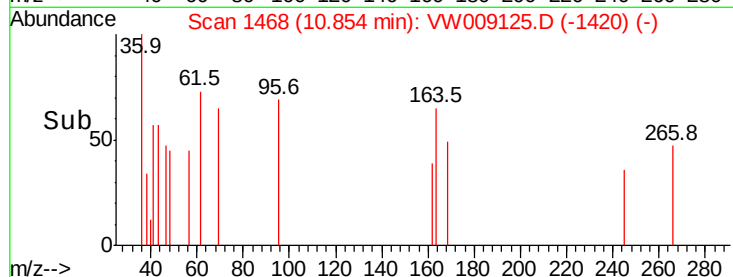
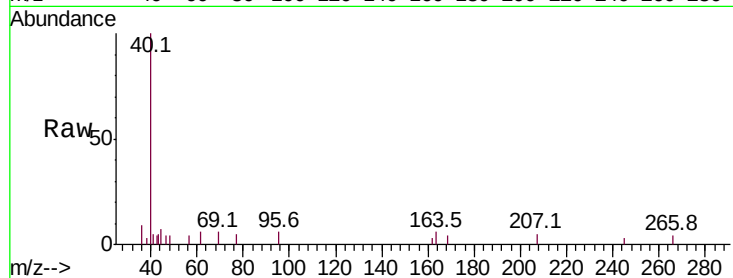
Ion Ratio Lower Upper

164 100

166 0.0 97.8 146.6#

129 0.0 71.6 107.4#

131 0.0 71.4 107.0#



#65

Chlorobenzene

Concen: 2.685 ug/l

RT: 11.65 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VW009125.D

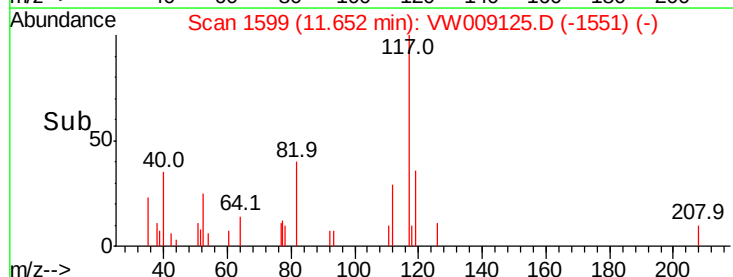
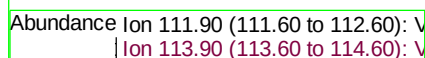
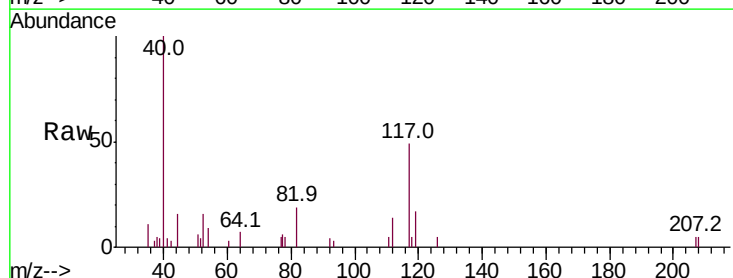
Acq: 12 Mar 2019 15:49

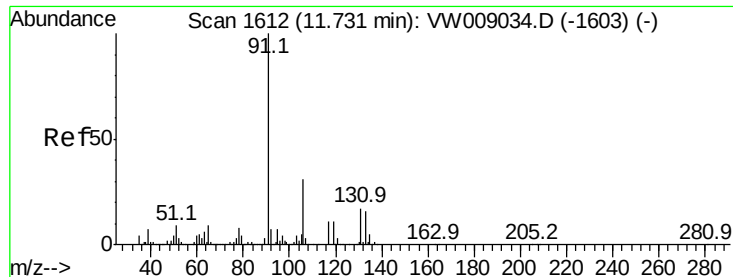
Tgt Ion:112 Resp: 275

Ion Ratio Lower Upper

112 100

114 0.0 26.6 40.0#





#67

Ethyl Benzene

Concen: 1.075 ug/l

RT: 11.74 min Scan# 1614

Delta R.T. 0.01 min

Lab File: VW009125.D

Acq: 12 Mar 2019 15:49

Instrument :

MSVOA_W

ClientSampled :

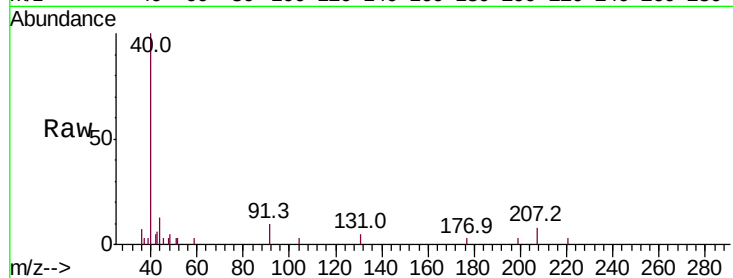
TP-18

Tot Ion: 91 Resp: 199

Ion Ratio Lower Upper

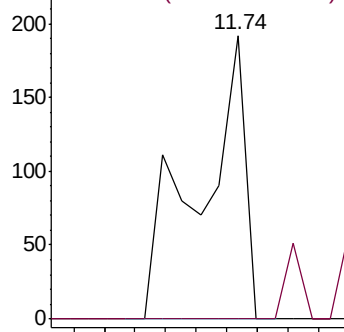
91 100

106 0.0 25.0 37.4#

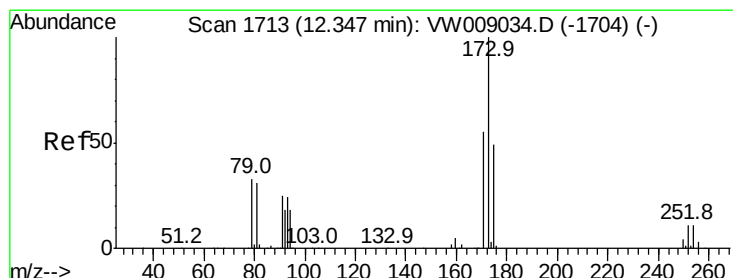
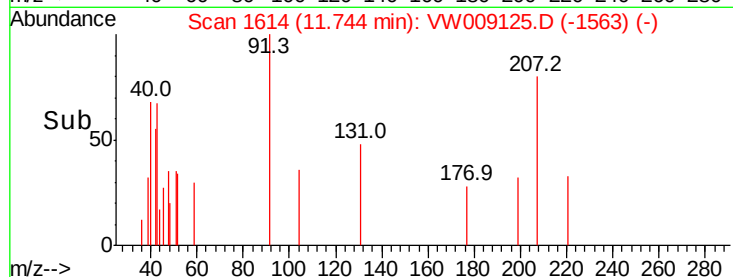


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



Time-->



#71

Bromoform

Concen: 1.470 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW009125.D

Acq: 12 Mar 2019 15:49

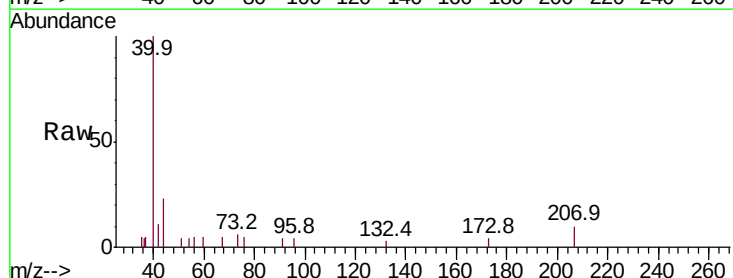
Tgt Ion: 173 Resp: 27

Ion Ratio Lower Upper

173 100

175 0.0 24.6 74.0#

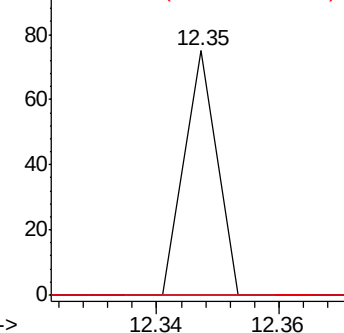
254 0.0 0.0 0.0



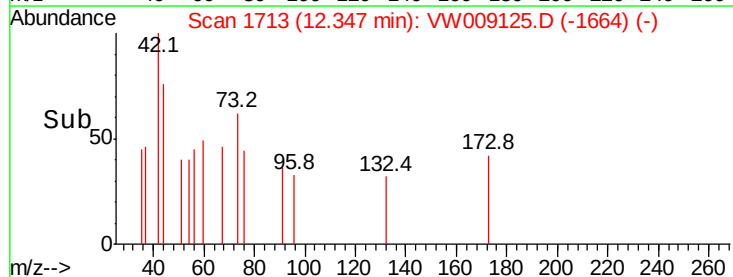
Abundance Ion 172.70 (172.40 to 173.40): V

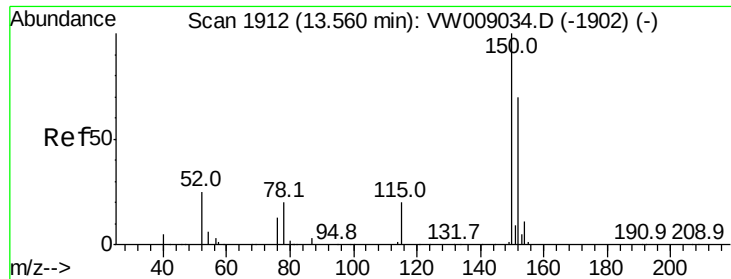
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



Time-->

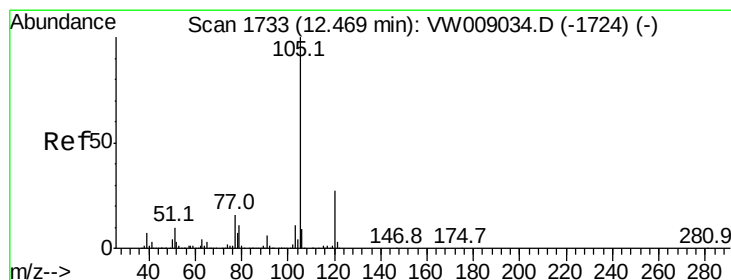
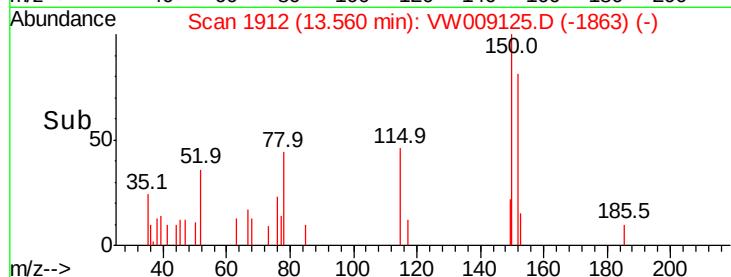
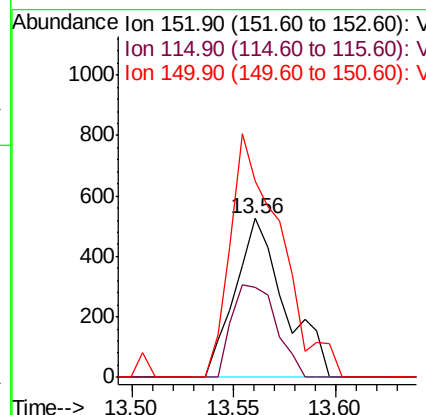
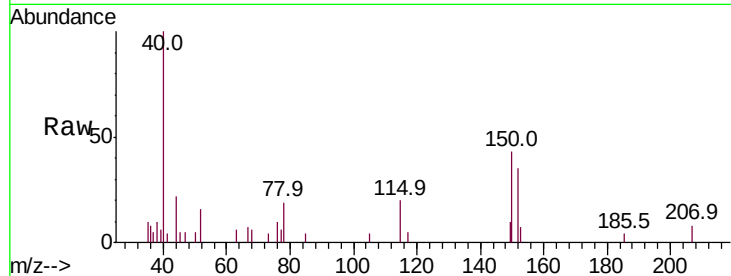




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. 0.00 min
 Lab File: VW009125.D
 Acq: 12 Mar 2019 15:49

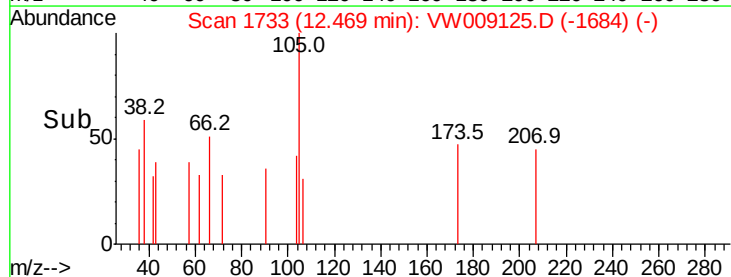
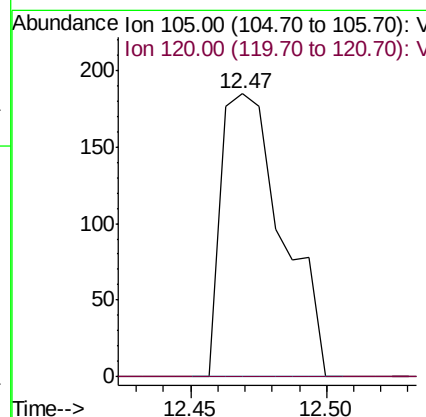
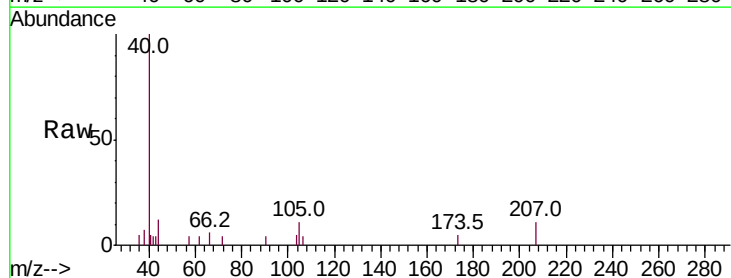
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-18

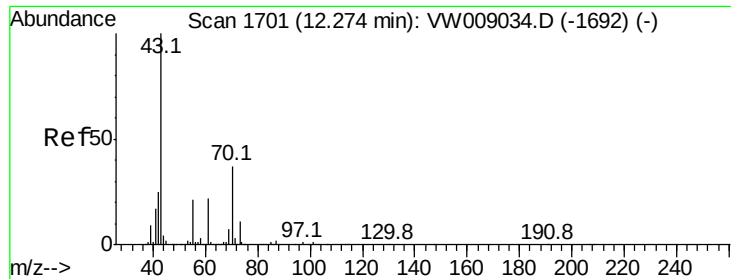
Tot Ion:152 Resp: 891
 Ion Ratio Lower Upper
 152 100
 115 52.1 28.9 86.7
 150 154.5 0.0 349.2



#73
 Isopropylbenzene
 Concen: 4.529 ug/l
 RT: 12.47 min Scan# 1733
 Delta R.T. 0.00 min
 Lab File: VW009125.D
 Acq: 12 Mar 2019 15:49

Tgt Ion:105 Resp: 289
 Ion Ratio Lower Upper
 105 100
 120 0.0 13.2 39.6#

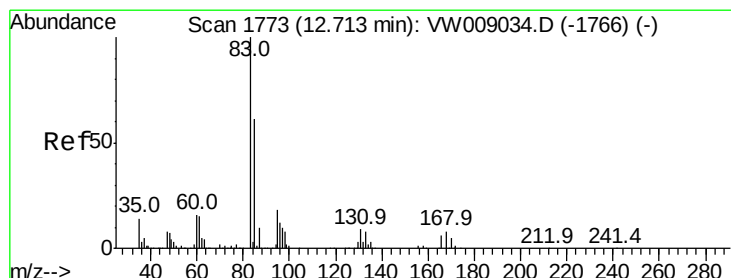
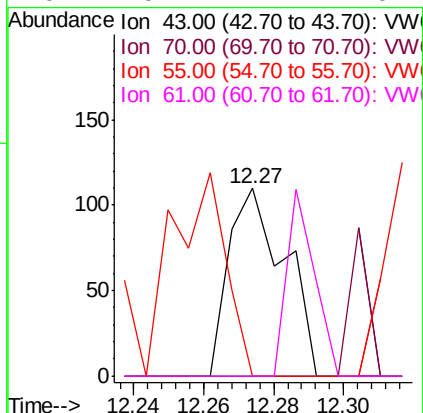
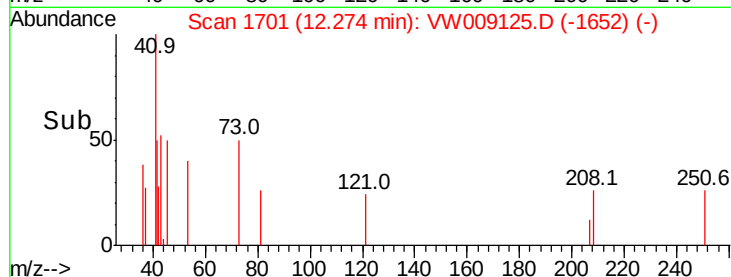
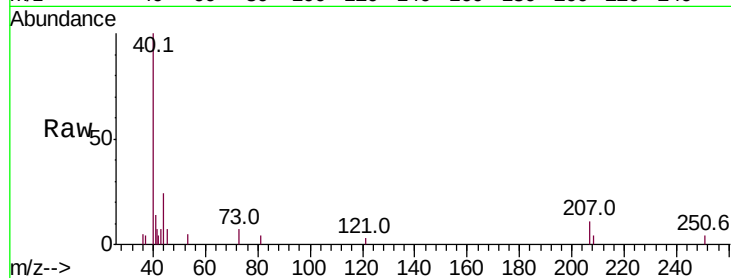




#74
N-amvl acetate
Concen: 8.077 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW009125.D
Acq: 12 Mar 2019 15:49

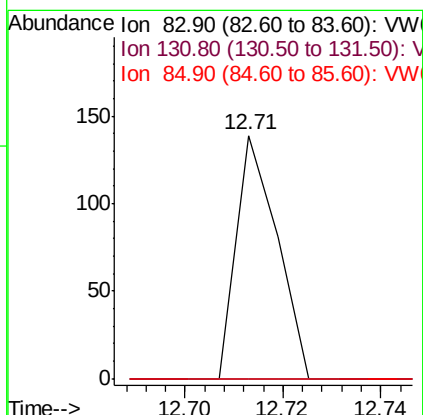
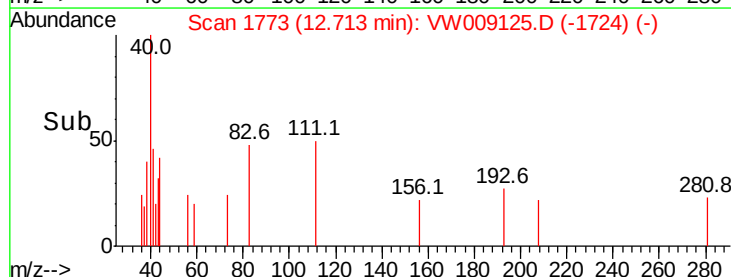
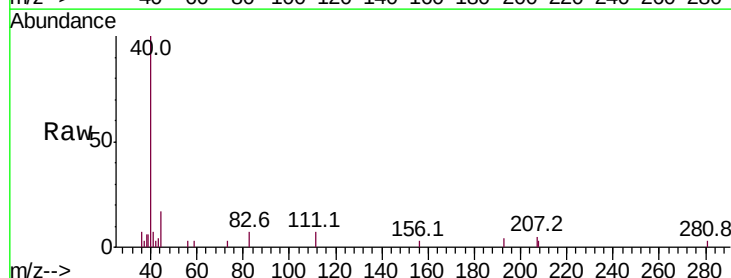
Instrument :
MSVOA_W
ClientSampled :
TP-18

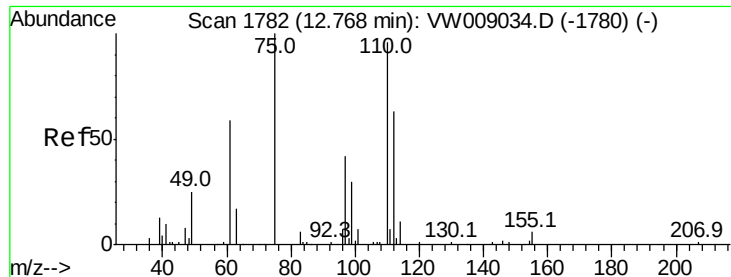
Tot Ion: 43 Resp: 122
Ion Ratio Lower Upper
43 100
70 0.0 30.8 46.2#
55 0.0 17.8 26.8#
61 49.2 17.4 26.2#



#75
1,1,2,2-Tetrachloroethane
Concen: 7.949 ug/l
RT: 12.71 min Scan# 1773
Delta R.T. 0.00 min
Lab File: VW009125.D
Acq: 12 Mar 2019 15:49

Tgt Ion: 83 Resp: 80
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.7#
85 0.0 31.7 95.1#





#76

1,2,3-Trichloropropane

Concen: 6.676 ug/l

RT: 12.74 min Scan# 1777

Delta R.T. -0.03 min

Lab File: VW009125.D

Acq: 12 Mar 2019 15:49

Instrument :

MSVOA_W

ClientSampleId :

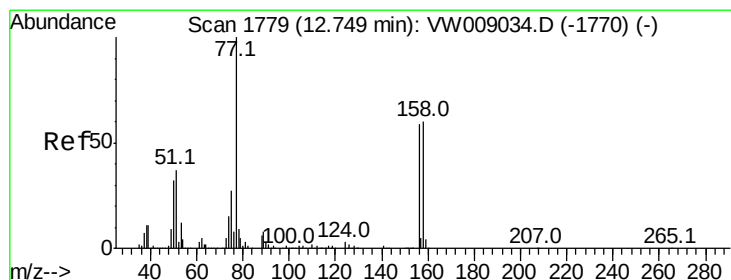
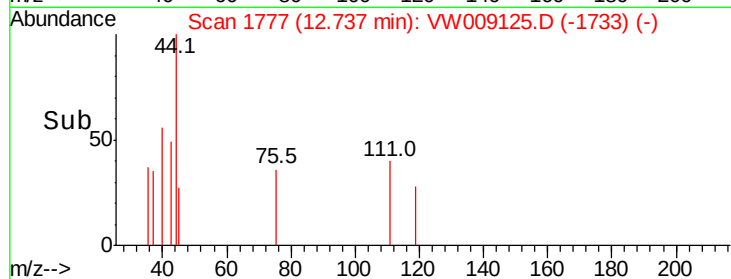
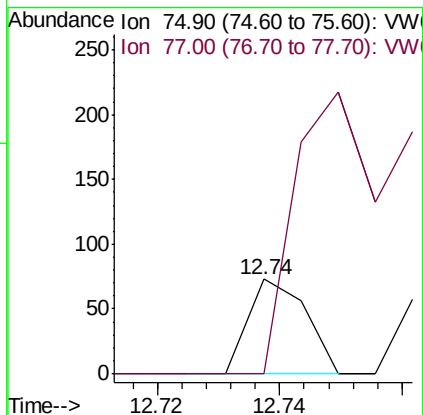
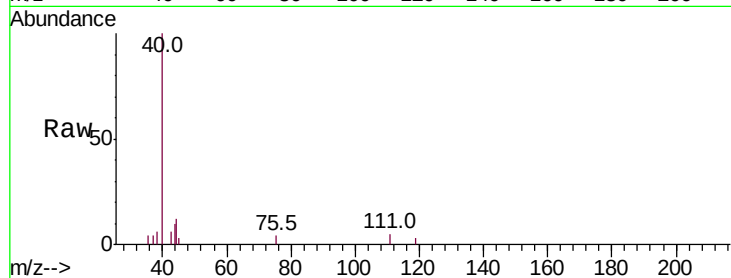
TP-18

Tot Ion: 75 Resp: 47

Ion Ratio Lower Upper

75 100

77 559.6 186.7 560.0



#77

Bromobenzene

Concen: 3.018 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.04 min

Lab File: VW009125.D

Acq: 12 Mar 2019 15:49

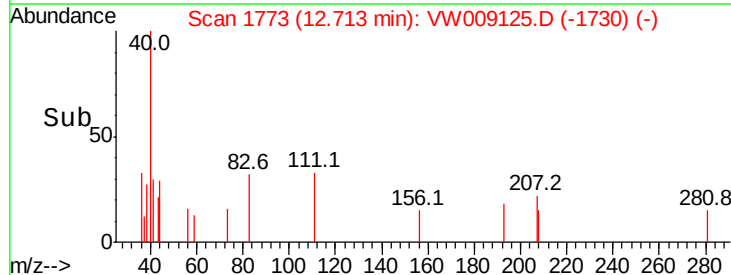
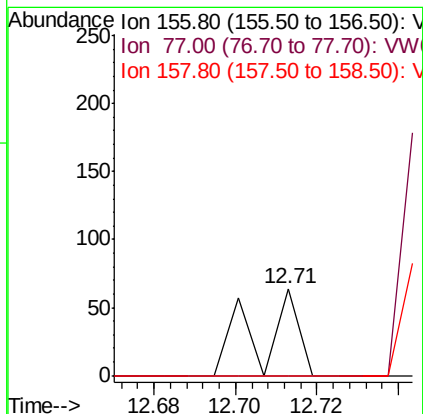
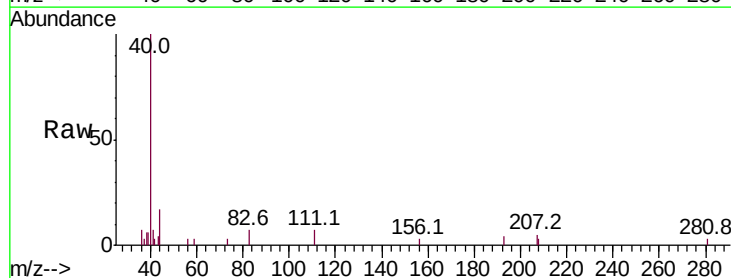
Tgt Ion: 156 Resp: 44

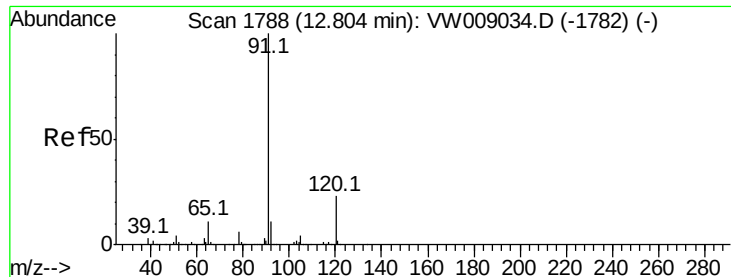
Ion Ratio Lower Upper

156 100

77 0.0 93.0 279.2#

158 0.0 50.0 149.8#





#78

n-propylbenzene

Concen: 4.110 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VW009125.D

Acq: 12 Mar 2019 15:49

Instrument :

MSVOA_W

ClientSampled :

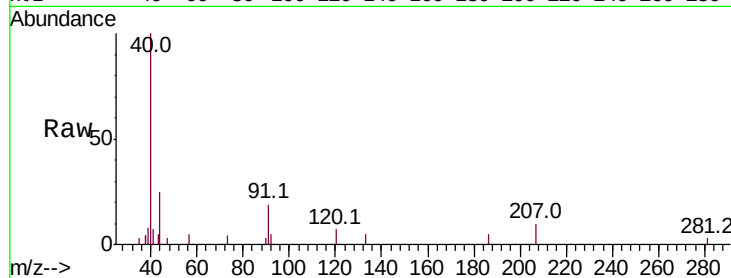
TP-18

Tot Ion: 91 Resp: 323

Ion Ratio Lower Upper

91 100

120 15.2 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

12.81

300

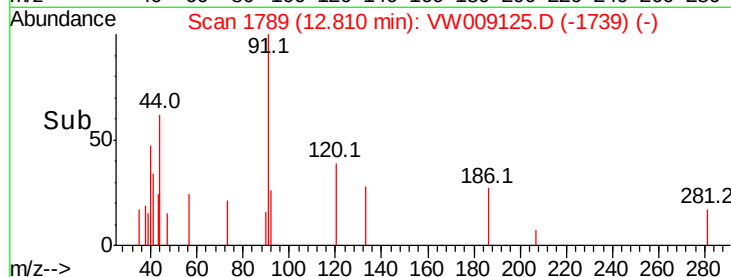
200

100

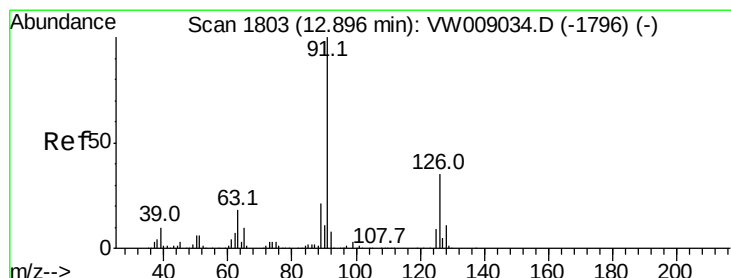
0

12.80

12.85



Time-->



#79

2-Chlorotoluene

Concen: 3.850 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW009125.D

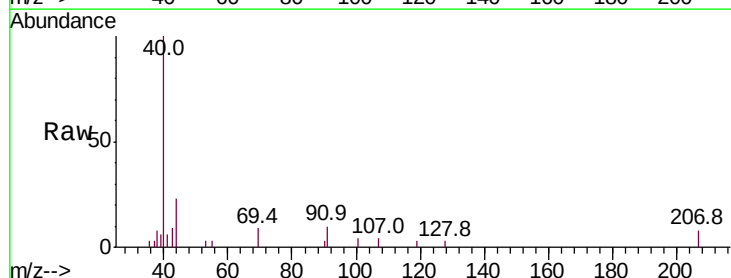
Acq: 12 Mar 2019 15:49

Tgt Ion: 91 Resp: 170

Ion Ratio Lower Upper

91 100

126 0.0 16.8 50.4#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

12.90

200

150

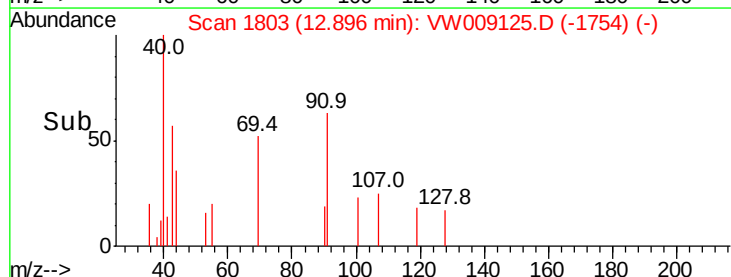
100

50

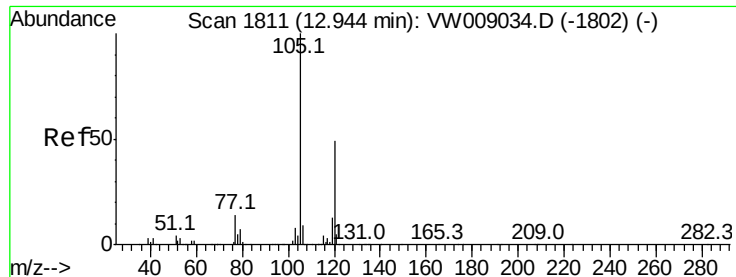
0

12.88

12.92



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 3.782 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.01 min

Lab File: VW009125.D

Acq: 12 Mar 2019 15:49

Instrument :

MSVOA_W

ClientSampled :

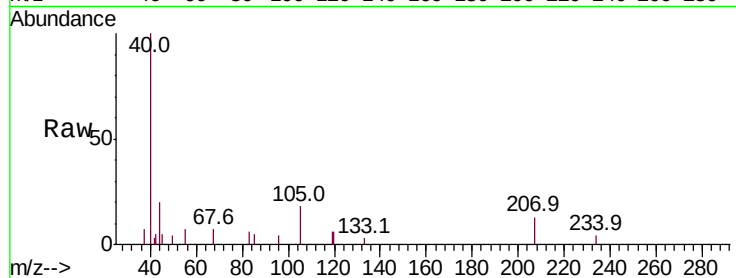
TP-18

Tot Ion:105 Resp: 208

Ion Ratio Lower Upper

105 100

120 46.2 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

300

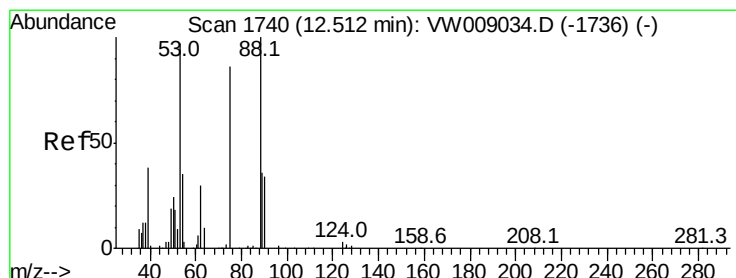
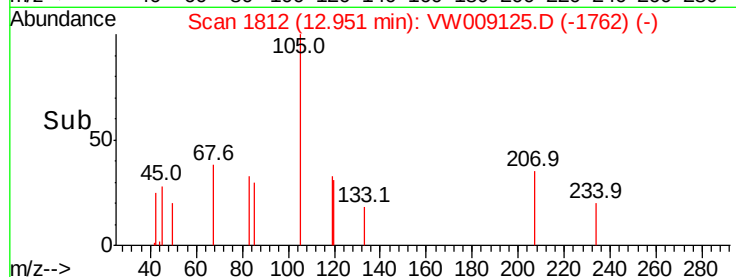
200

100

0

12.92 12.94 12.96 12.98

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 290.092 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW009125.D

Acq: 12 Mar 2019 15:49

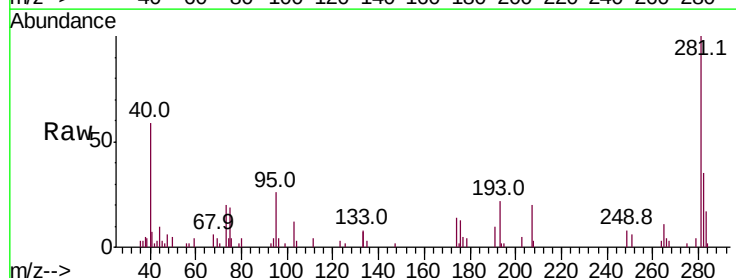
Tgt Ion: 75 Resp: 913

Ion Ratio Lower Upper

75 100

53 3.6 90.5 135.7#

89 0.0 37.5 56.3#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

600

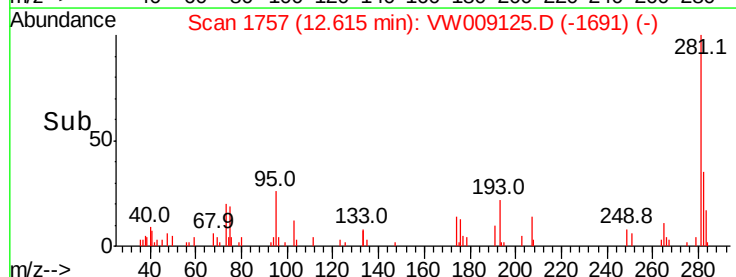
400

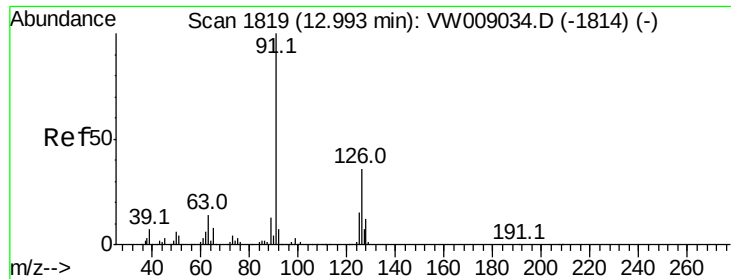
200

0

12.55 12.60 12.65

Time-->





#82

4-Chlorotoluene

Concen: 3.357 ug/l

RT: 13.00 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VW009125.D

Acq: 12 Mar 2019 15:49

Instrument :

MSVOA_W

ClientSampled :

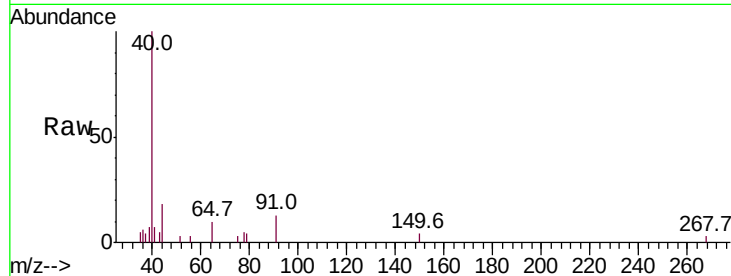
TP-18

Tot Ion: 91 Resp: 158

Ion Ratio Lower Upper

91 100

126 0.0 16.6 49.8#



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

13.00

200

150

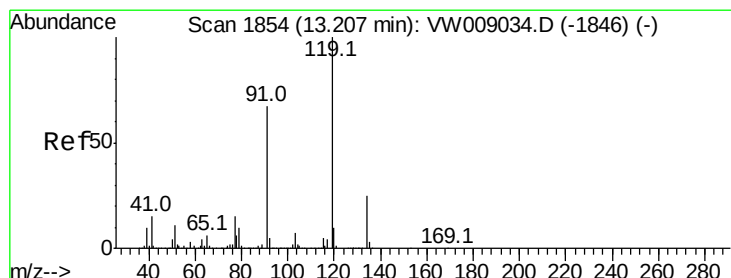
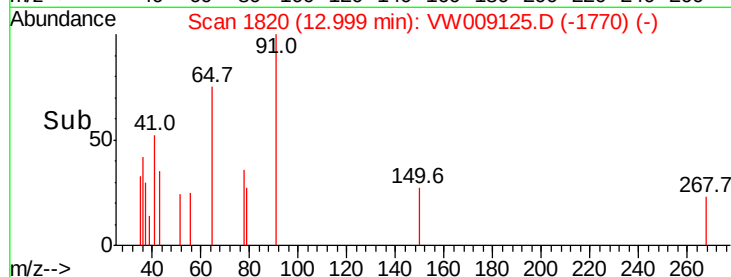
100

50

0

12.98 13.00 13.02

Time-->



#83

tert-Butylbenzene

Concen: 4.053 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW009125.D

Acq: 12 Mar 2019 15:49

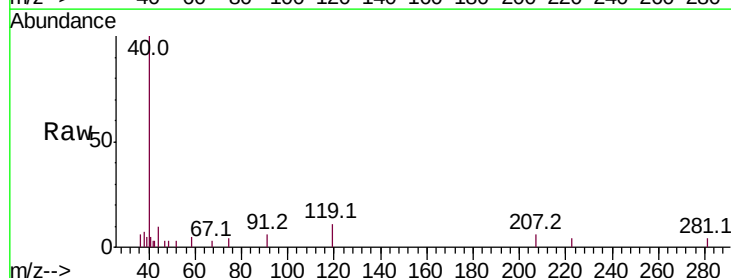
Tgt Ion: 119 Resp: 188

Ion Ratio Lower Upper

119 100

91 73.9 34.2 102.5

134 0.0 13.9 41.6#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V

13.21

200

150

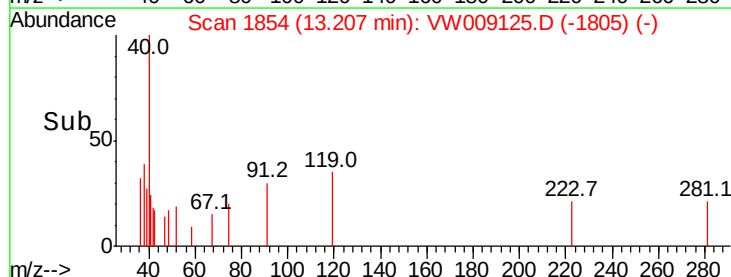
100

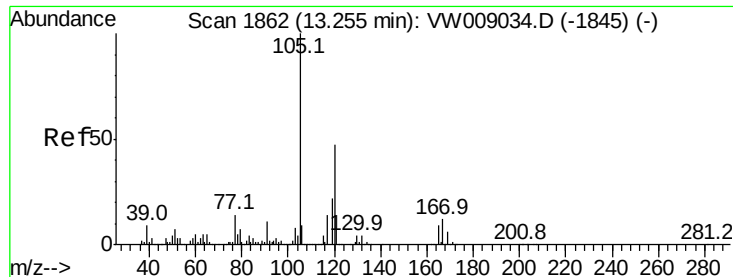
50

0

13.18 13.20 13.22 13.24

Time-->





#84

1,2,4-Trimethylbenzene

Concen: 3.972 ug/l

RT: 13.26 min Scan# 1863

Delta R.T. 0.01 min

Lab File: VW009125.D

Acq: 12 Mar 2019 15:49

Instrument :

MSVOA_W

ClientSampled :

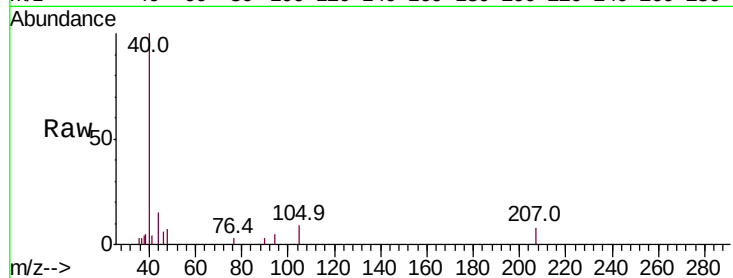
TP-18

Tot Ion:105 Resp: 221

Ion Ratio Lower Upper

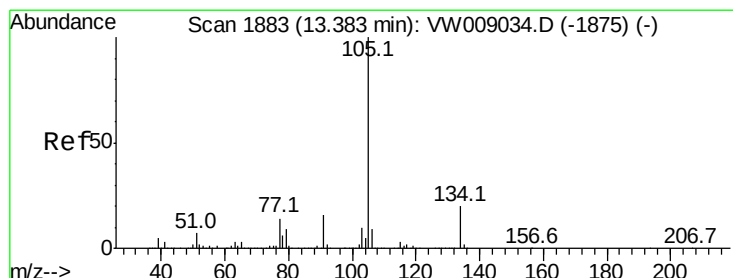
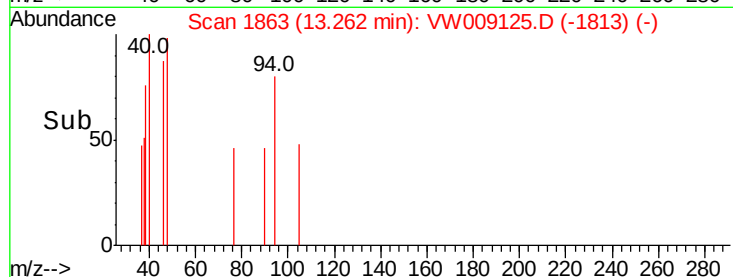
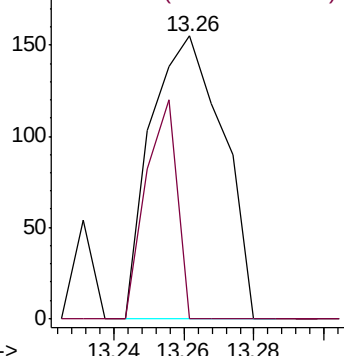
105 100

120 33.5 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 5.180 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.01 min

Lab File: VW009125.D

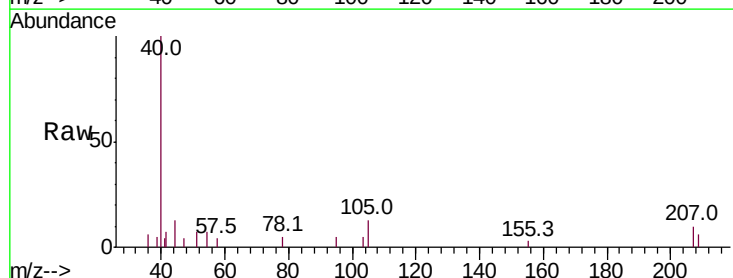
Acq: 12 Mar 2019 15:49

Tgt Ion:105 Resp: 356

Ion Ratio Lower Upper

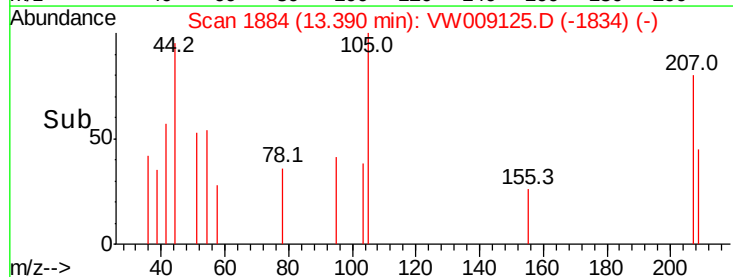
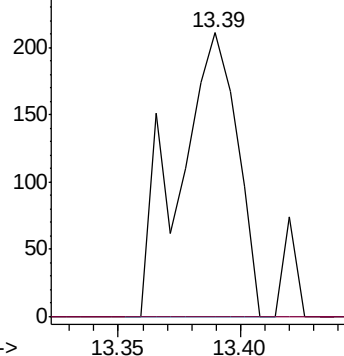
105 100

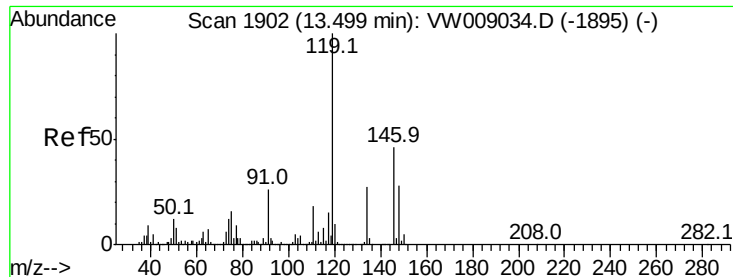
134 0.0 10.0 30.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

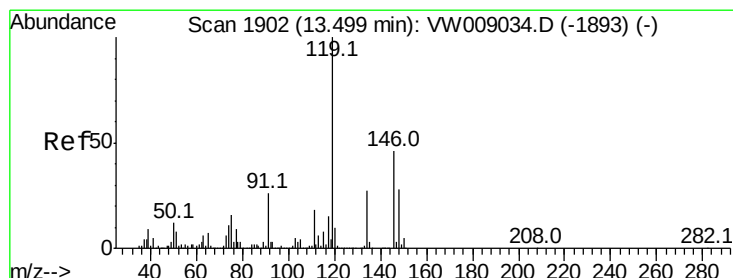
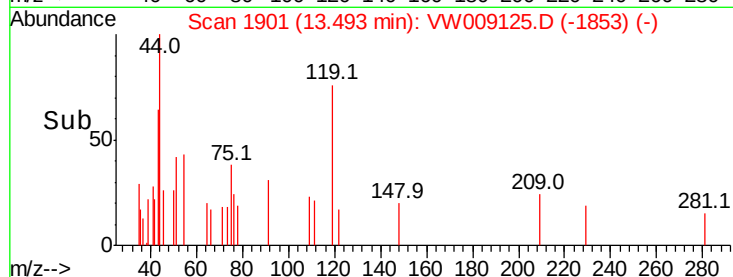
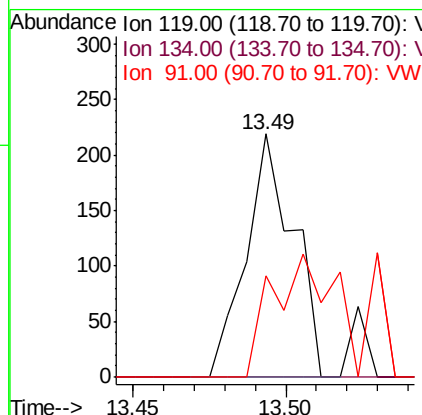
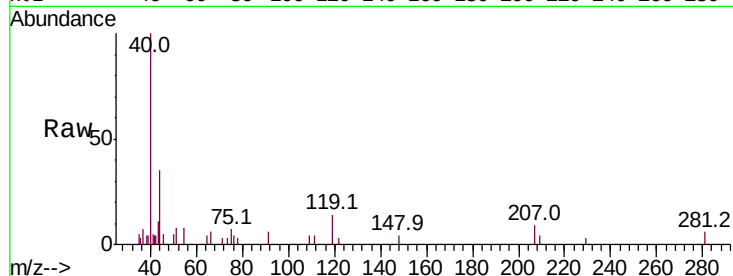




#86
 p-Isopropyltoluene
 Concen: 3.822 ug/l
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: VW009125.D
 Acq: 12 Mar 2019 15:49

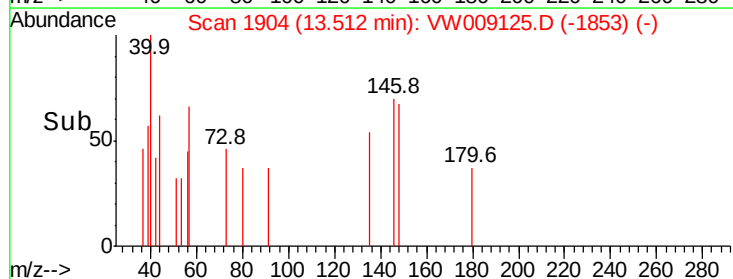
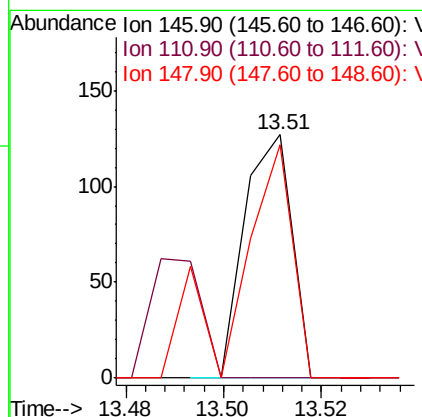
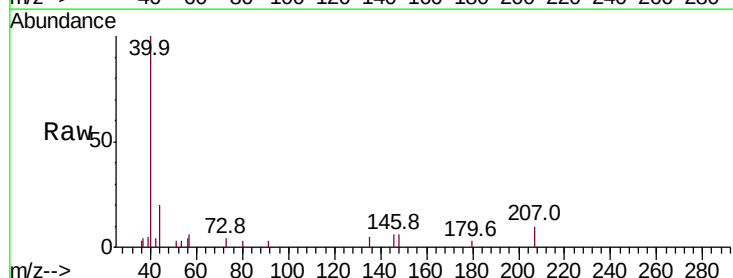
Instrument :
 MSVOA_W
 ClientSampled :
 TP-18

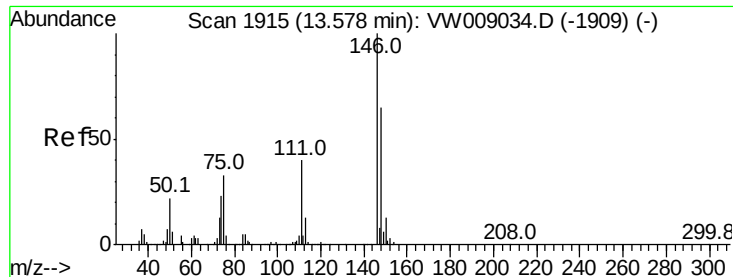
Tot Ion	Ratio	Lower	Upper
119	100		
134	0.0	13.3	39.9#
91	66.0	12.3	36.9#



#87
 1,3-Dichlorobenzene
 Concen: 2.774 ug/l
 RT: 13.51 min Scan# 1904
 Delta R.T. 0.01 min
 Lab File: VW009125.D
 Acq: 12 Mar 2019 15:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.8	59.4#
148	109.4	31.6	94.8#





#88

1,4-Dichlorobenzene

Concen: 9.842 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. 0.01 min

Lab File: VW009125.D

Acq: 12 Mar 2019 15:49

Instrument :

MSVOA_W

ClientSampled :

TP-18

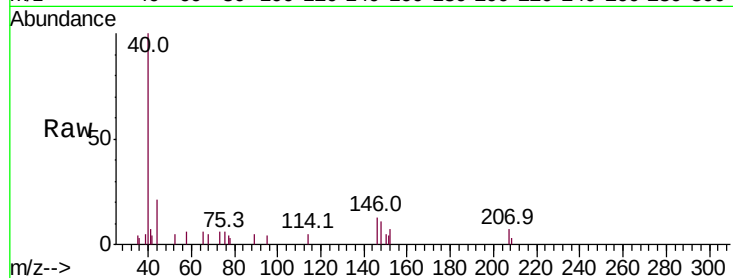
Tot Ion:146 Resp: 298

Ion Ratio Lower Upper

146 100

111 10.1 19.7 59.0#

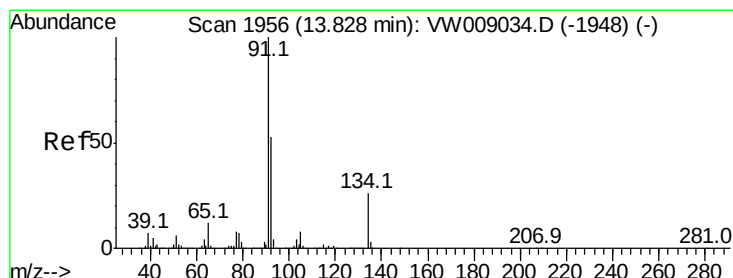
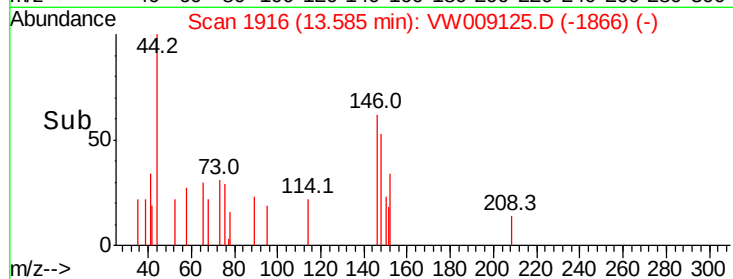
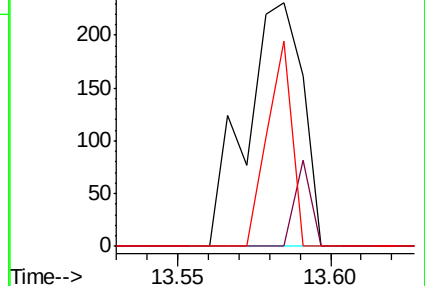
148 36.6 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 3.405 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW009125.D

Acq: 12 Mar 2019 15:49

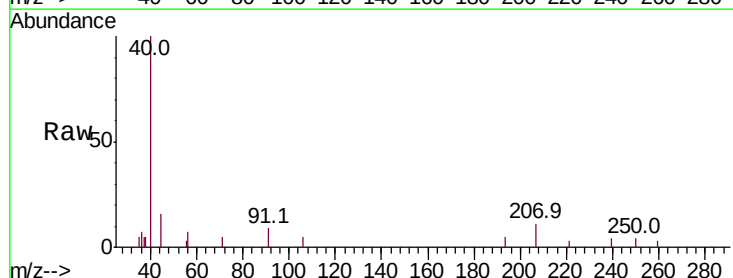
Tgt Ion: 91 Resp: 199

Ion Ratio Lower Upper

91 100

92 19.1 26.8 80.3#

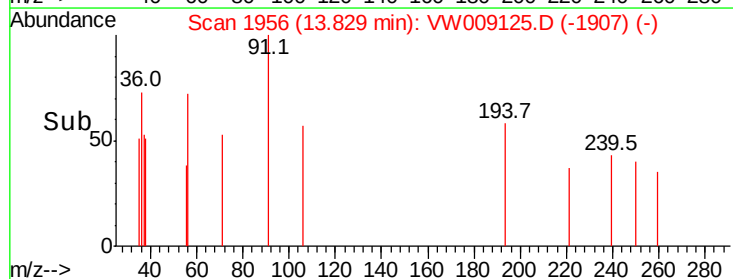
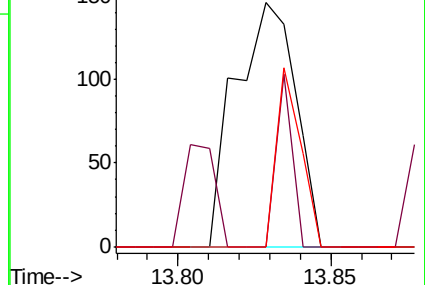
134 30.2 12.9 38.7

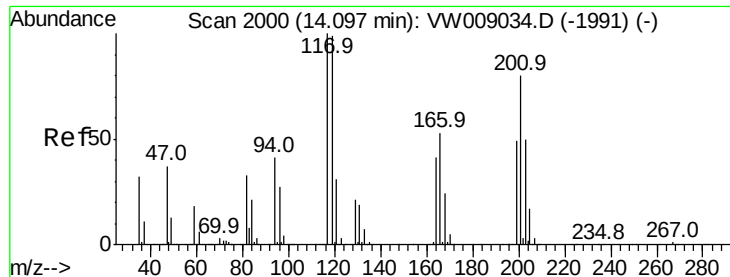


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 2.546 ug/l

RT: 13.91 min Scan# 1970

Delta R.T. -0.18 min

Lab File: VW009125.D

Acq: 12 Mar 2019 15:49

Instrument :

MSVOA_W

ClientSampled :

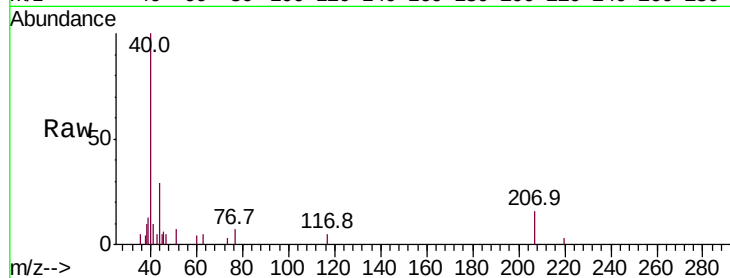
TP-18

Tot Ion:117 Resp: 27

Ion Ratio Lower Upper

117 100

201 81.5 39.1 117.5

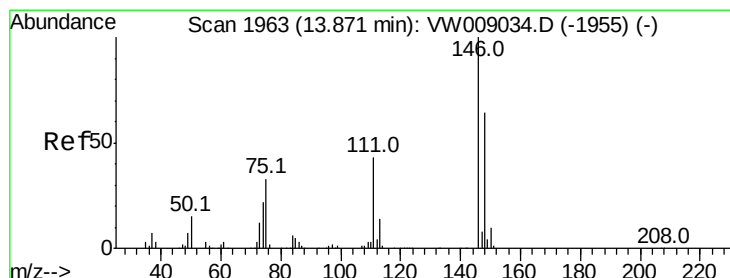
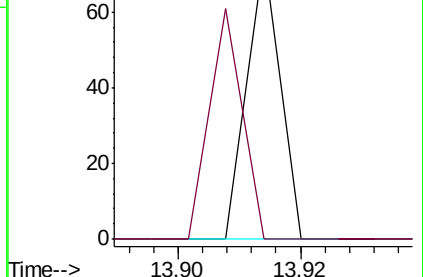
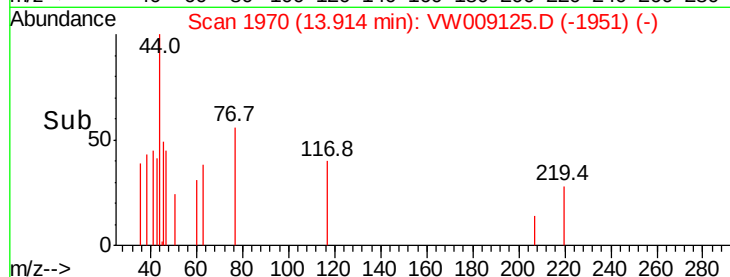


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.91

Time-->



#91

1,2-Dichlorobenzene

Concen: 3.440 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.01 min

Lab File: VW009125.D

Acq: 12 Mar 2019 15:49

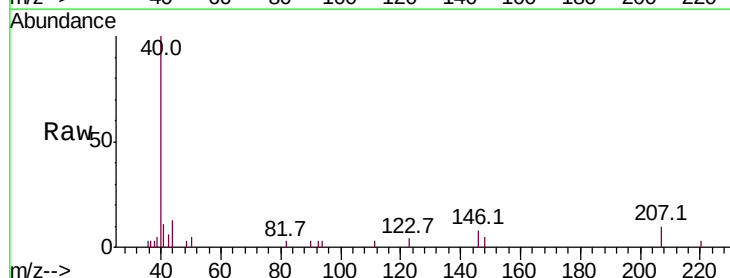
Tgt Ion:146 Resp: 93

Ion Ratio Lower Upper

146 100

111 43.0 21.1 63.1

148 116.1 32.3 96.9#



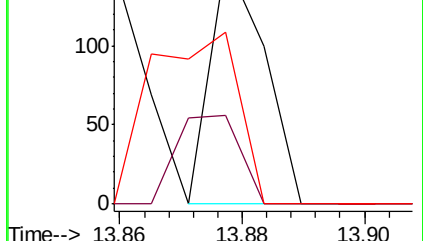
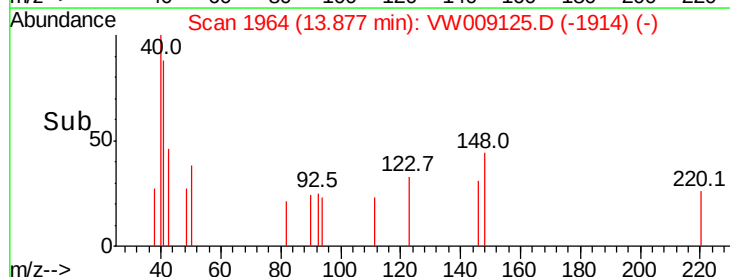
Abundance Ion 145.90 (145.60 to 146.60): V

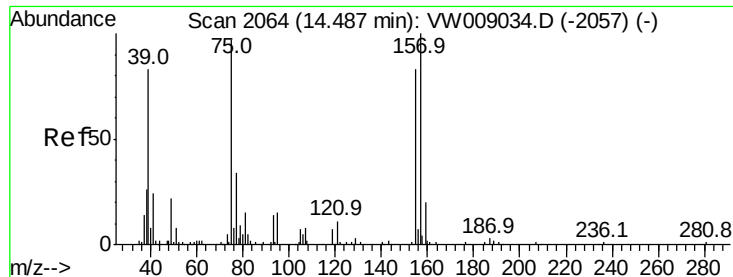
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

13.88

Time-->





#92

1,2-Dibromo-3-Chloropropane

Concen: 12.831 ug/l

RT: 14.47 min Scan# 2061

Delta R.T. -0.02 min

Lab File: VW009125.D

Acq: 12 Mar 2019 15:49

Instrument :

MSVOA_W

ClientSampleId :

TP-18

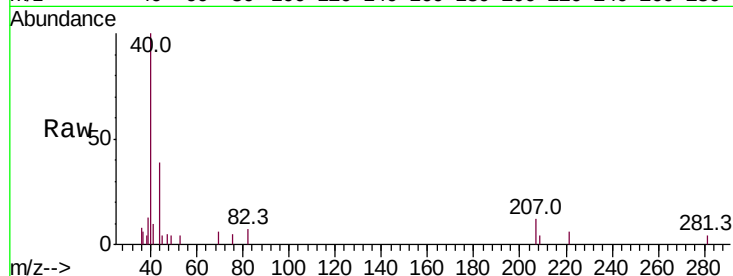
Tot Ion: 75 Resp: 23

Ion Ratio Lower Upper

75 100

155 0.0 40.8 122.4#

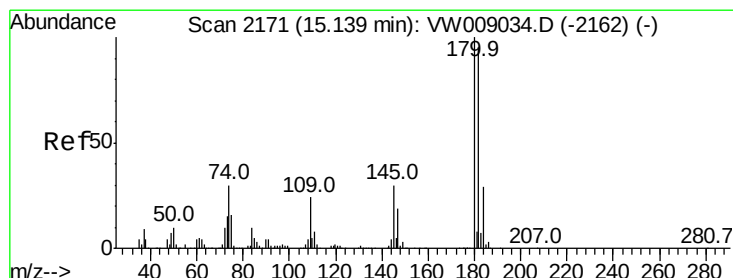
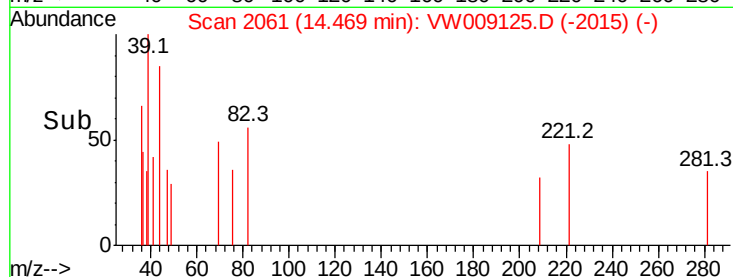
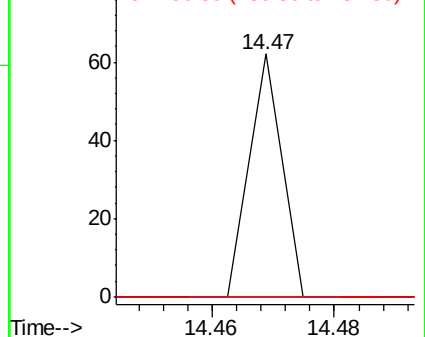
157 0.0 52.4 157.3#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 4.930 ug/l

RT: 15.13 min Scan# 2169

Delta R.T. -0.01 min

Lab File: VW009125.D

Acq: 12 Mar 2019 15:49

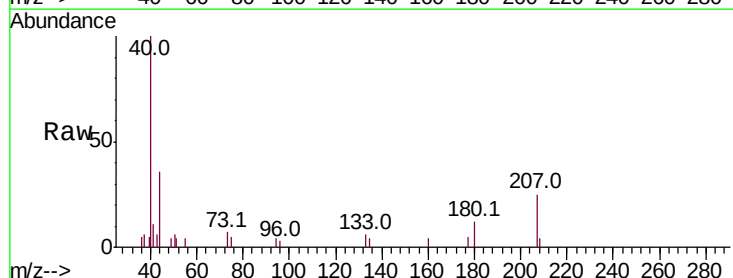
Tgt Ion:180 Resp: 90

Ion Ratio Lower Upper

180 100

182 36.7 48.1 144.3#

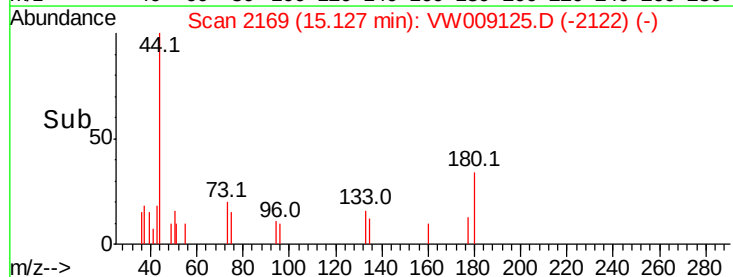
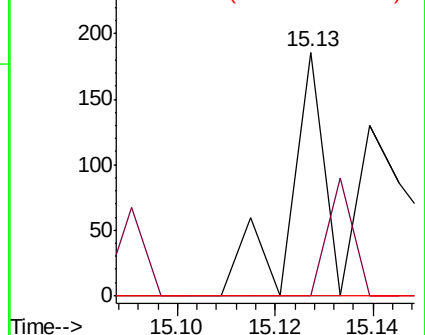
145 0.0 15.4 46.1#

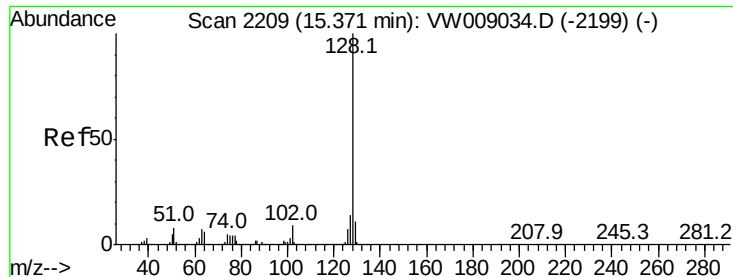


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 4.685 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW009125.D

Acq: 12 Mar 2019 15:49

Instrument :

MSVOA_W

ClientSampled :

TP-18

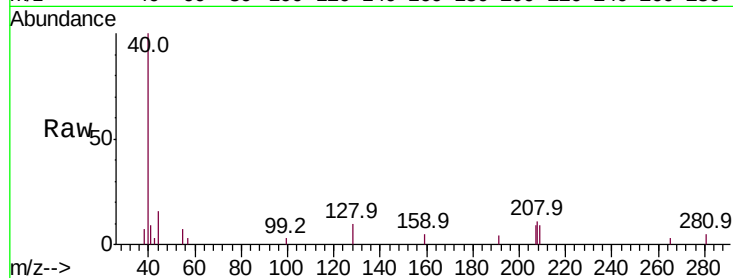
Tot Ion:128 Resp: 140

Ion Ratio Lower Upper

128 100

127 0.0 11.0 16.6#

129 0.0 8.8 13.2#

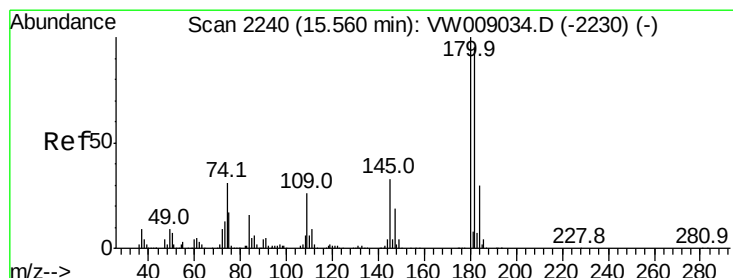
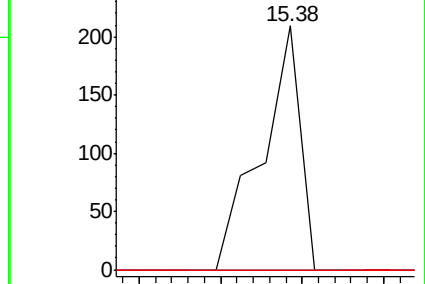
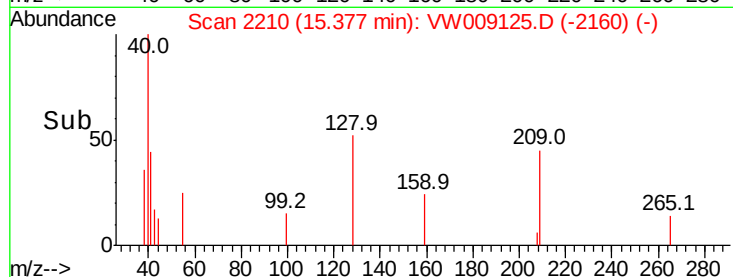


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

15.38



#96

1,2,3-Trichlorobenzene

Concen: 1.682 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW009125.D

Acq: 12 Mar 2019 15:49

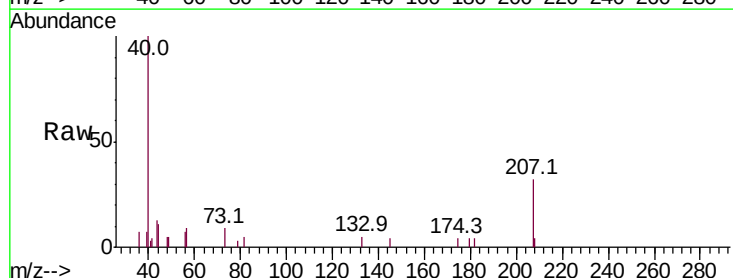
Tgt Ion:180 Resp: 27

Ion Ratio Lower Upper

180 100

182 203.7 48.1 144.3#

145 181.5 15.8 47.3#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

15.56

