

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030519\
 Data File : VW009009.D
 Acq On : 05 Mar 2019 20:50
 Operator : SY/VA
 Sample : K1688-19RE
 Misc : 10.05G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Mar 06 06:54:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	31500	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	45211	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	40080	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	15820	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	17761	60.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.24%	
35) Dibromofluoromethane	7.89	113	14836	54.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.30%	
50) Toluene-d8	10.33	98	53627	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	
62) 4-Bromofluorobenzene	12.62	95	18001	43.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.74%	

Target Compounds

					Qvalue	
3) Chloromethane	2.21	50	594	1.547	ug/l #	42
6) Chloroethane	2.94	64	306	1.060	ug/l #	43
11) Tert butyl alcohol	5.17	59	216	8.212	ug/l #	70
13) Acrolein	3.89	56	158	25.024	ug/l #	49
15) Acrylonitrile	5.35	53	106	1.517	ug/l #	73
16) Acetone	4.13	43	5854	85.484	ug/l #	78
18) Methyl Acetate	4.68	43	227	1.398	ug/l #	71
20) Methylene Chloride	4.93	84	1195	Below Cal	#	59
25) 2-Butanone	7.19	43	519	5.421	ug/l #	51
29) Tetrahydrofuran	7.52	42	515	8.441	ug/l #	69
31) Cyclohexane	7.94	56	1613	2.896	ug/l #	72
36) 1,1-Dichloropropene	7.95	75	2904	6.599	ug/l #	48
39) Methylcyclohexane	9.34	83	1100	2.004	ug/l #	44
40) Benzene	8.32	78	1443	1.201	ug/l #	46
48) Methyl methacrylate	9.43	41	377	1.927	ug/l #	44
49) 1,4-Dioxane	9.61	88	52	19.660	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	680	3.279	ug/l	90
52) Toluene	10.38	92	2561	3.140	ug/l	91
55) 1,1,2-Trichloroethane	10.78	97	288	1.286	ug/l #	16
56) Ethyl methacrylate	10.67	69	511	1.756	ug/l #	66
60) Dibromochloromethane	11.15	129	681	2.493	ug/l	69
67) Ethyl Benzene	11.73	91	2733	1.814	ug/l	100
68) m/p-Xylenes	11.84	106	2690	4.469	ug/l	97
69) o-Xylene	12.16	106	3222	5.703	ug/l	91
71) Bromoform	12.36	173	192	1.253	ug/l #	29
73) Isopropylbenzene	12.47	105	2196	2.025	ug/l	83
74) N-amyl acetate	12.26	43	703	2.573	ug/l #	58
76) 1,2,3-Trichloropropane	12.88	75	491	3.759	ug/l #	100
77) Bromobenzene	12.89	156	2238	8.732	ug/l #	5
78) n-propylbenzene	12.80	91	4056	3.057	ug/l	92
80) 1,3,5-Trimethylbenzene	12.94	105	8520	9.040	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.62	75	9482	176.484	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.26	105	18097	18.549	ug/l	95
85) sec-Butylbenzene	13.39	105	2609	2.227	ug/l	88

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW030519\
Data File : VW009009.D
Acq On : 05 Mar 2019 20:50
Operator : SY/VA
Sample : K1688-19RE
Misc : 10.05G/5ML/MSVOA W/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Mar 06 06:54:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration

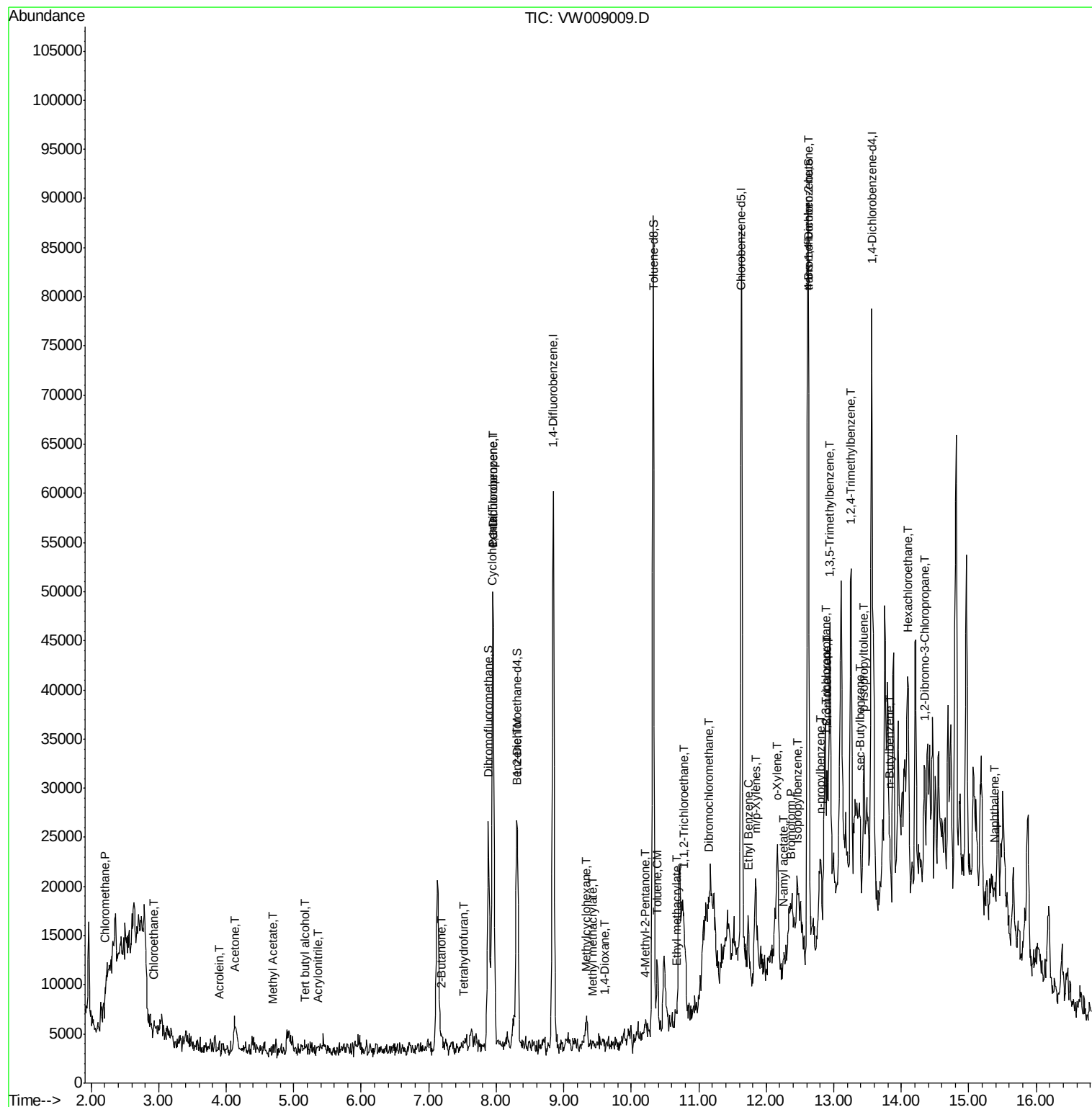
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
86) p-Isopropyltoluene	13.44	119	4337	4.037	ug/l	92
89) n-Butylbenzene	13.83	91	1959	1.947	ug/l #	39
90) Hexachloroethane	14.10	117	936	5.323	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.35	75	258	8.048	ug/l	70
95) Naphthalene	15.38	128	2383	4.100	ug/l #	85

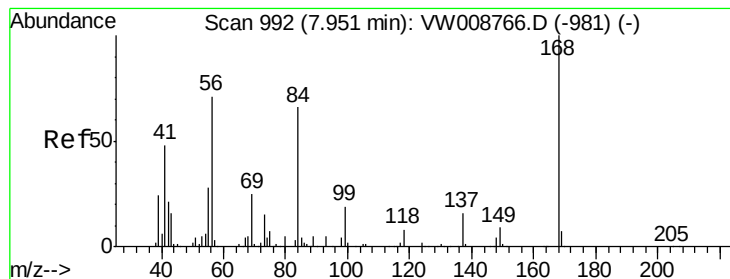
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW030519\
Data File : VW009009.D
Acq On : 05 Mar 2019 20:50
Operator : SY/VA
Sample : K1688-19RE
Misc : 10.05G/5ML/MSVOA W/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Mar 06 06:54:08 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009009.D

Acq: 05 Mar 2019 20:50

Instrument :

MSVOA_W

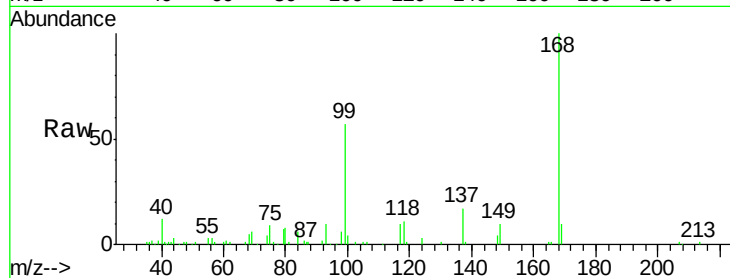
ClientSampleId :

Tot Ion:168 Resp: 31500

Ion Ratio Lower Upper

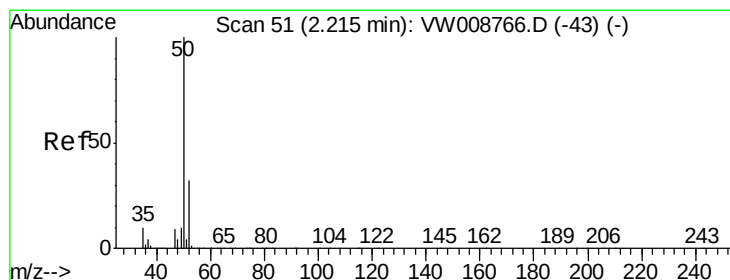
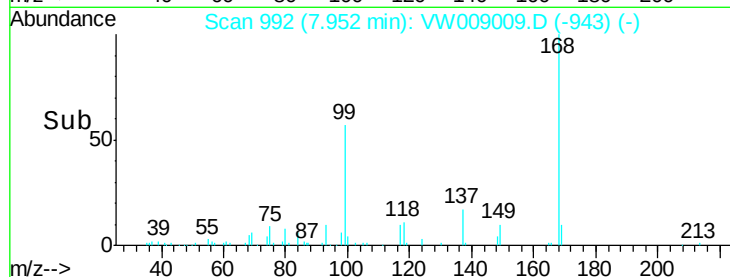
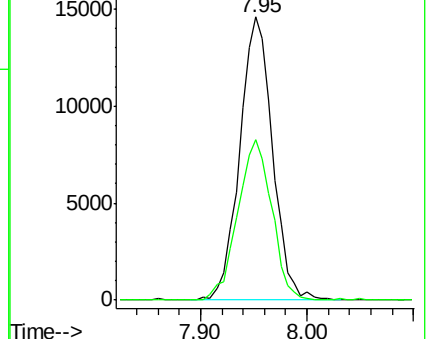
168 100

99 56.8 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: 1.547 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW009009.D

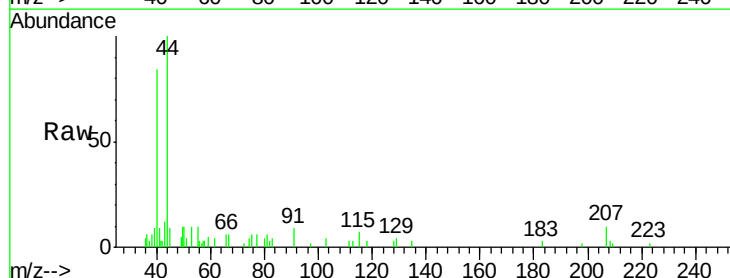
Acq: 05 Mar 2019 20:50

Tgt Ion: 50 Resp: 594

Ion Ratio Lower Upper

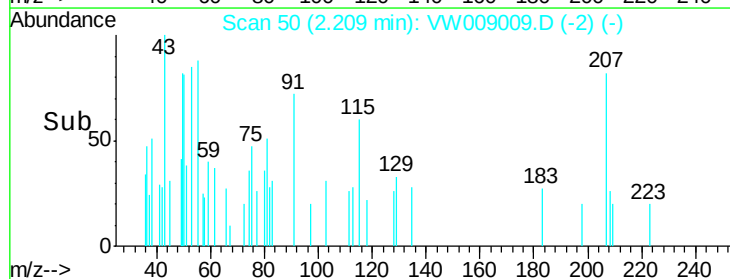
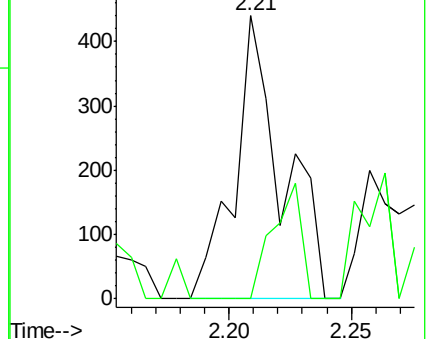
50 100

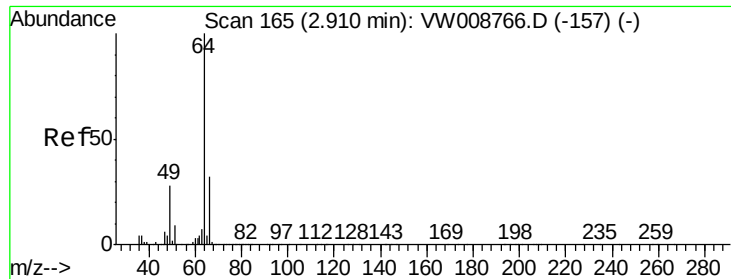
52 0.0 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW





#6

Chloroethane

Concen: 1.060 ug/l

RT: 2.94 min Scan# 170

Delta R.T. 0.03 min

Lab File: VW009009.D

Acq: 05 Mar 2019 20:50

Instrument :

MSVOA_W

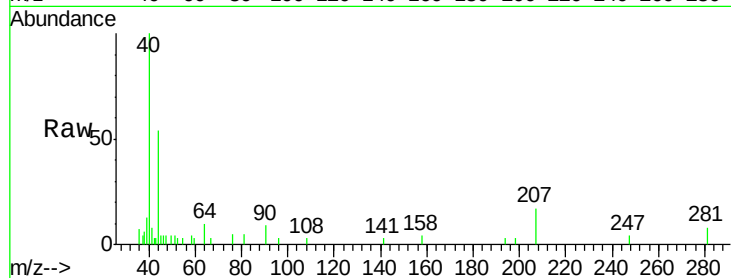
ClientSampleId :

Tot Ion: 64 Resp: 306

Ion Ratio Lower Upper

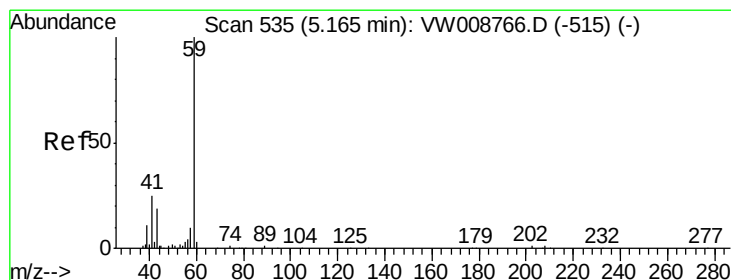
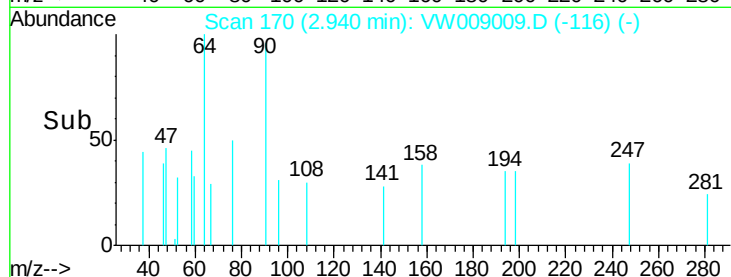
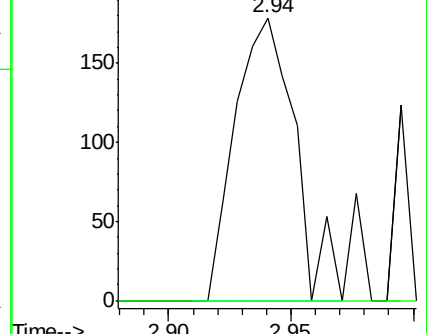
64 100

66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



#11

Tert butyl alcohol

Concen: 8.212 ug/l

RT: 5.17 min Scan# 536

Delta R.T. 0.01 min

Lab File: VW009009.D

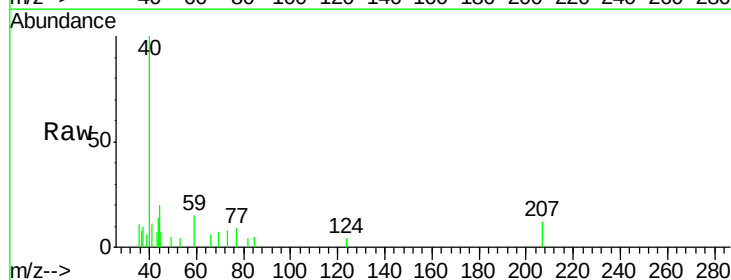
Acq: 05 Mar 2019 20:50

Tgt Ion: 59 Resp: 216

Ion Ratio Lower Upper

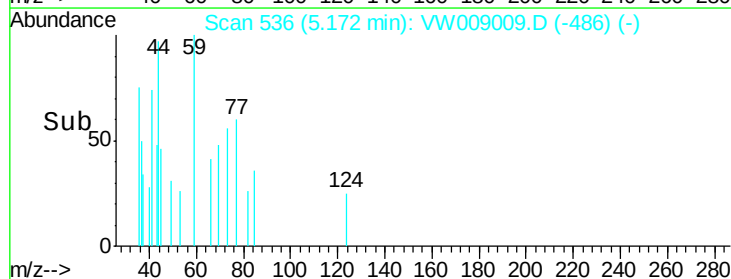
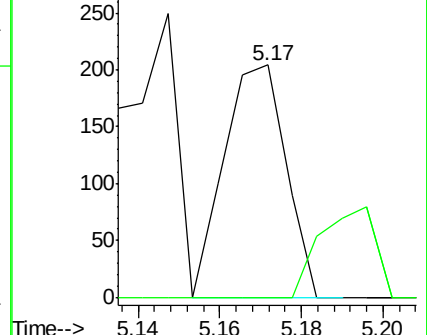
59 100

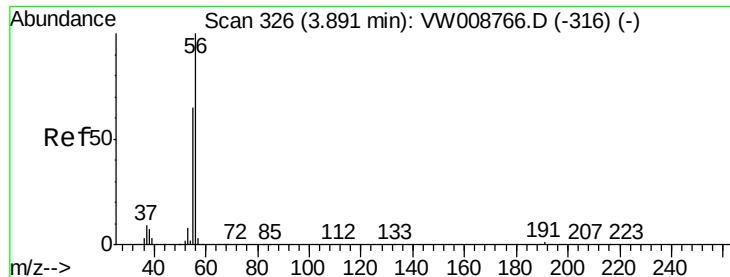
57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 25.024 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW009009.D

Acq: 05 Mar 2019 20:50

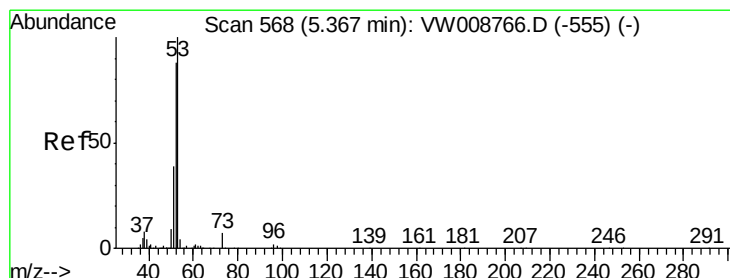
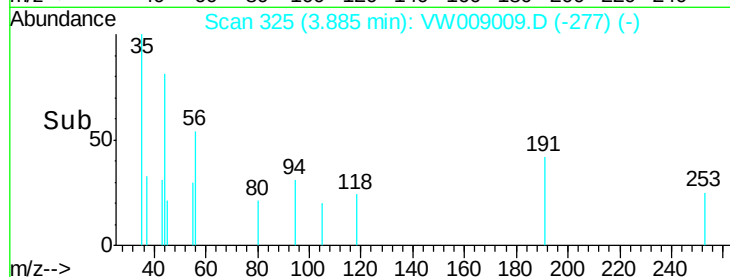
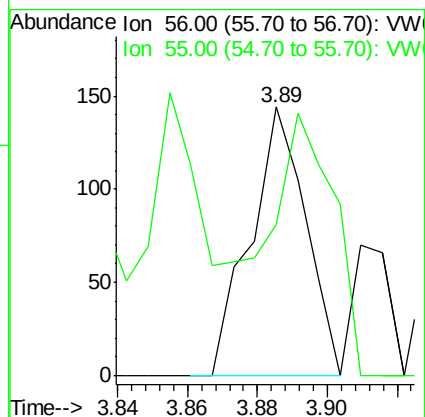
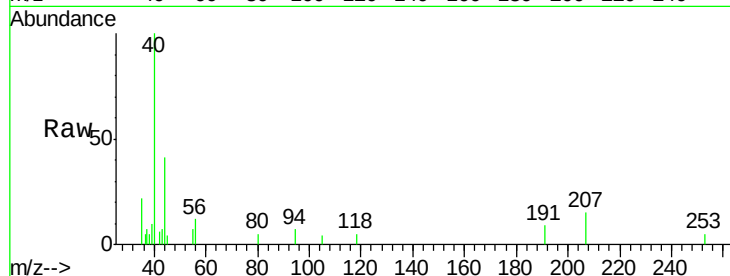
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 158

Ion Ratio Lower Upper

56 100

55 113.3 56.9 85.3#



#15

Acrylonitrile

Concen: 1.517 ug/l

RT: 5.35 min Scan# 565

Delta R.T. -0.02 min

Lab File: VW009009.D

Acq: 05 Mar 2019 20:50

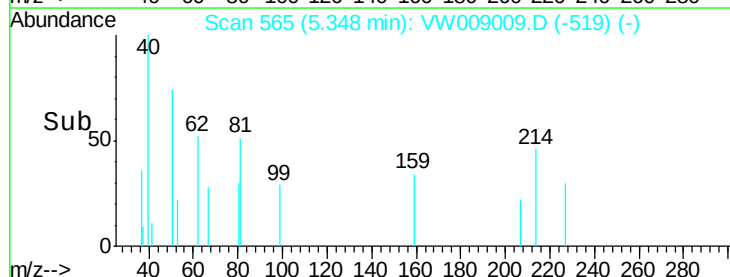
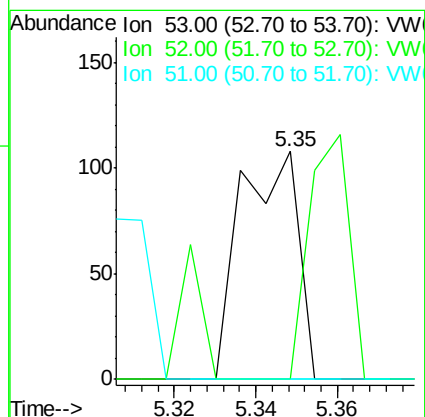
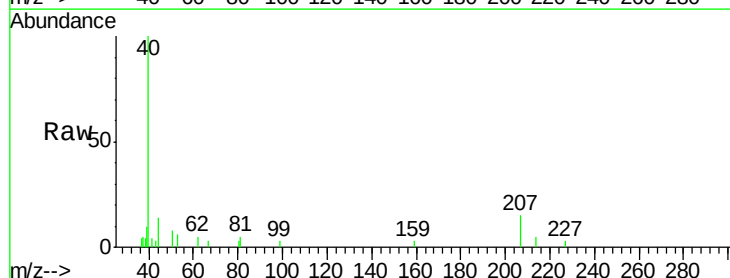
Tgt Ion: 53 Resp: 106

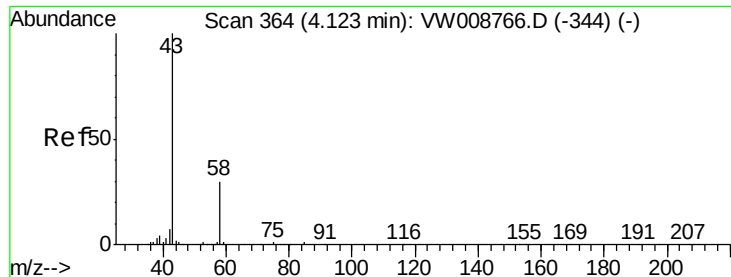
Ion Ratio Lower Upper

53 100

52 74.5 67.2 100.8

51 0.0 31.1 46.7#





#16

Acetone

Concen: 85.484 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW009009.D

Acq: 05 Mar 2019 20:50

Instrument :

MSVOA_W

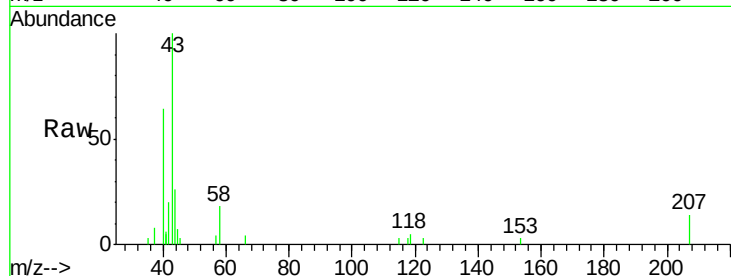
ClientSampled :

Tot Ion: 43 Resp: 5854

Ion Ratio Lower Upper

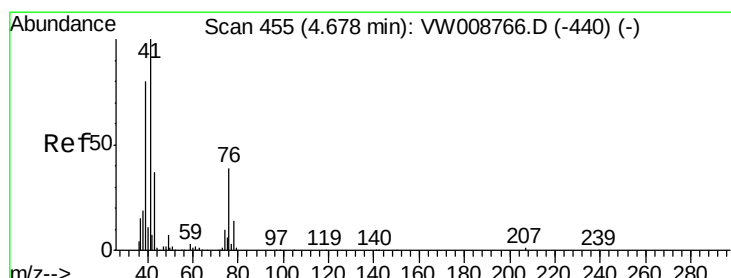
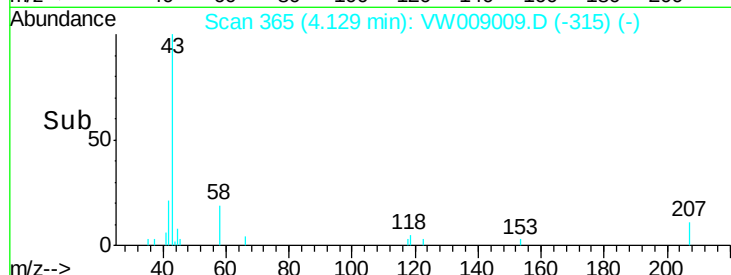
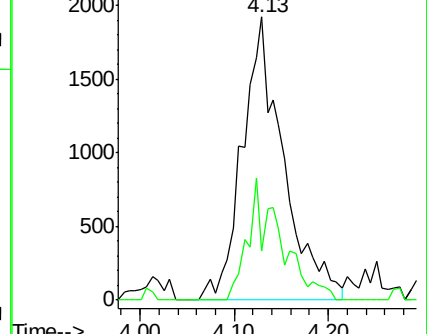
43 100

58 17.6 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: 1.398 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW009009.D

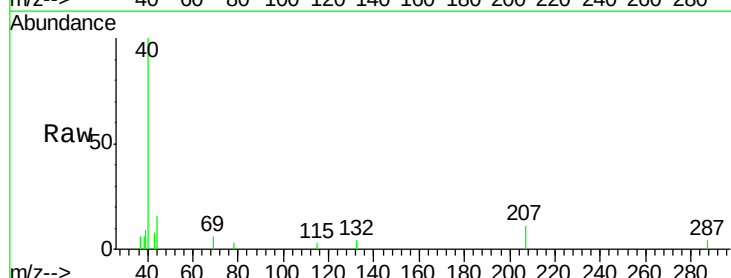
Acq: 05 Mar 2019 20:50

Tgt Ion: 43 Resp: 227

Ion Ratio Lower Upper

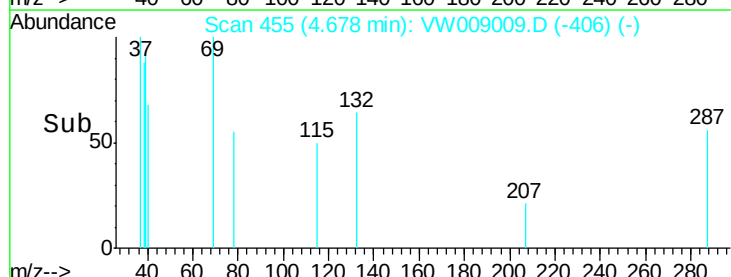
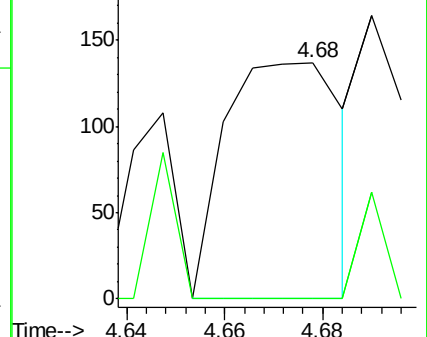
43 100

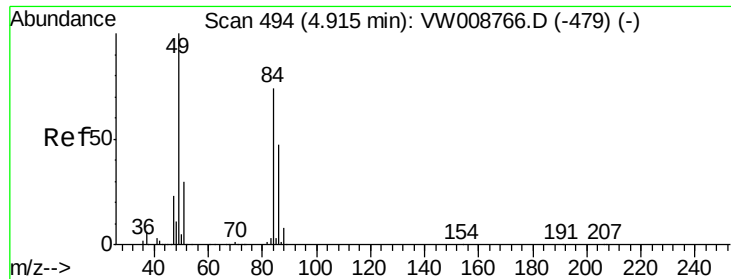
74 10.1 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

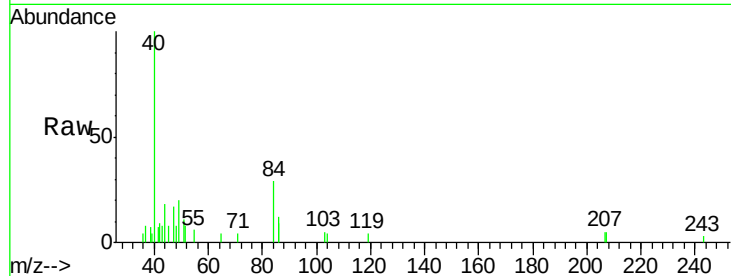




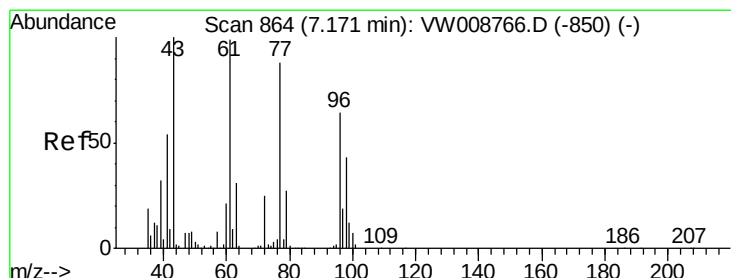
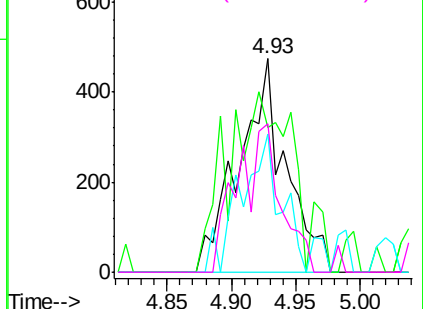
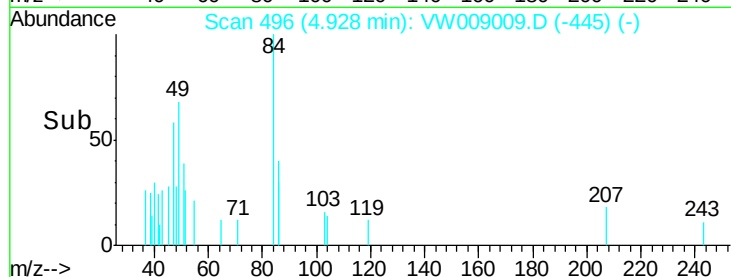
#20
Methylene Chloride
Concen: Below Cal
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW009009.D
Acq: 05 Mar 2019 20:50

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 84 Resp: 1195
Ion Ratio Lower Upper
84 100
49 67.9 108.2 162.2#
51 64.8 32.7 49.1#
86 69.6 50.3 75.5

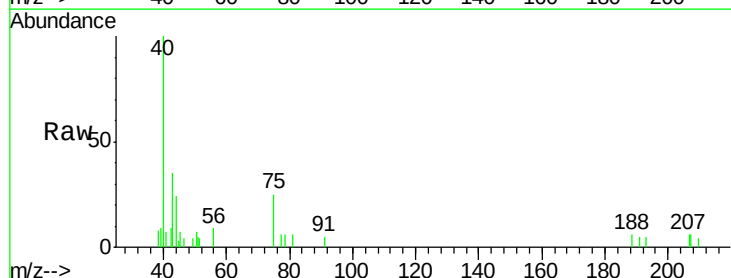


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

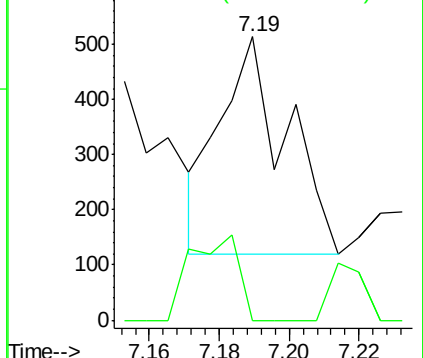
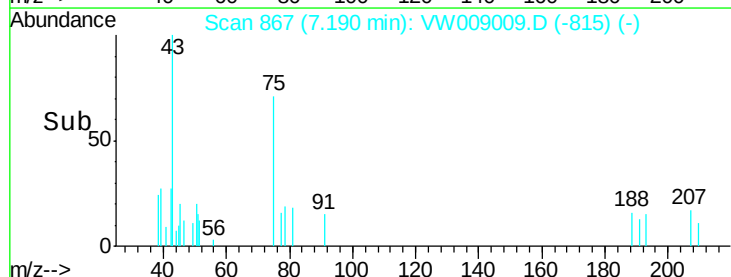


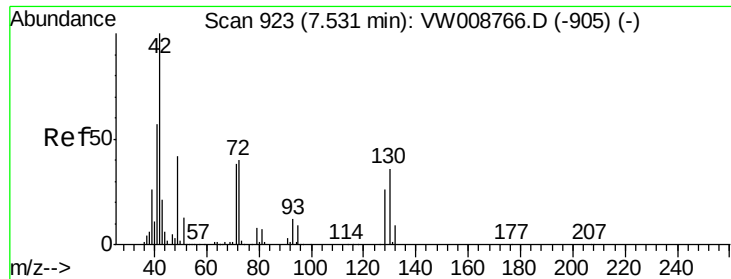
#25
2-Butanone
Concen: 5.421 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.02 min
Lab File: VW009009.D
Acq: 05 Mar 2019 20:50

Tgt Ion: 43 Resp: 519
Ion Ratio Lower Upper
43 100
72 0.0 19.7 29.5#



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





#29

Tetrahydrofuran

Concen: 8.441 ug/l

RT: 7.52 min Scan# 921

Delta R.T. -0.01 min

Lab File: VW009009.D

Acq: 05 Mar 2019 20:50

Instrument :

MSVOA_W

ClientSampled :

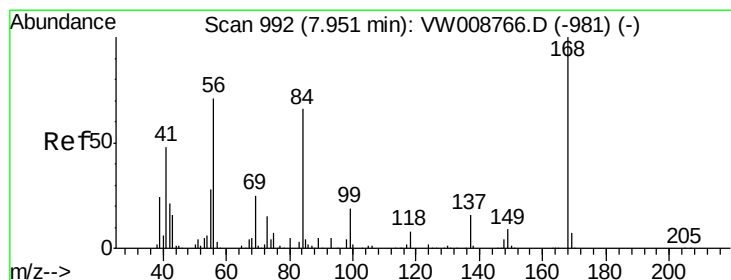
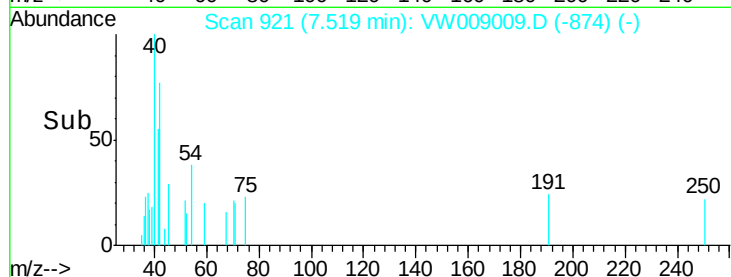
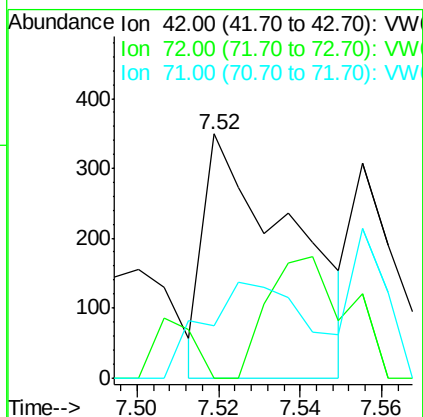
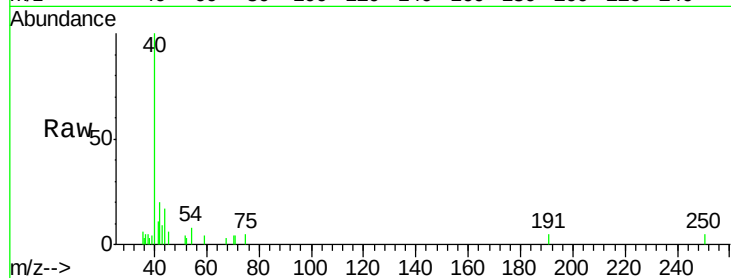
Tot Ion: 42 Resp: 515

Ion Ratio Lower Upper

42 100

72 10.9 32.7 49.1#

71 47.0 31.3 46.9#



#31

Cyclohexane

Concen: 2.896 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW009009.D

Acq: 05 Mar 2019 20:50

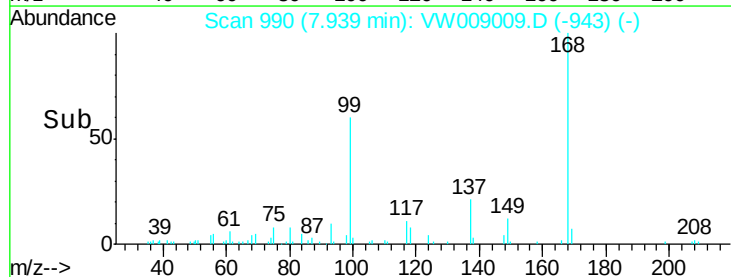
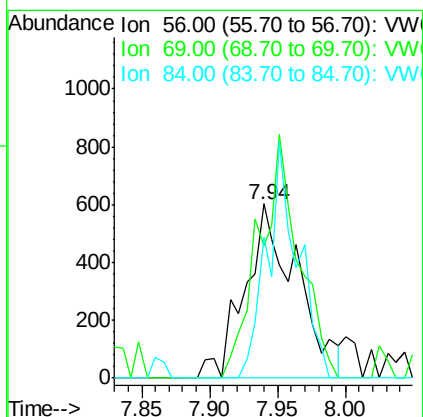
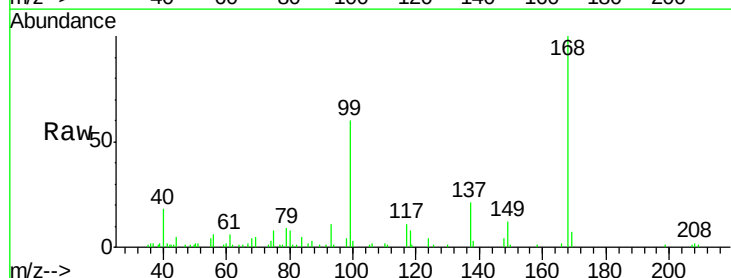
Tgt Ion: 56 Resp: 1613

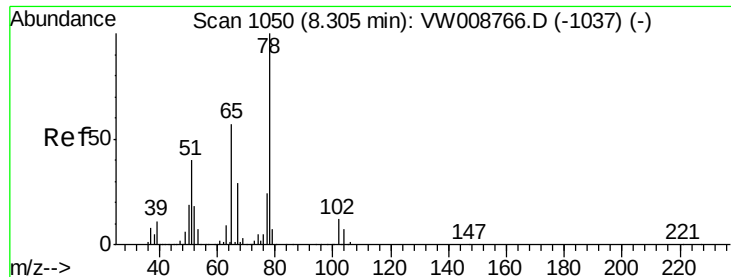
Ion Ratio Lower Upper

56 100

69 76.2 28.2 42.4#

84 81.2 74.1 111.1





#33

1,2-Dichloroethane-d4

Concen: 60.117 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW009009.D

Acq: 05 Mar 2019 20:50

Instrument :

MSVOA_W

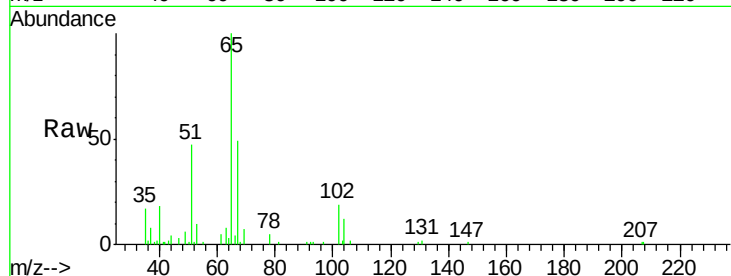
ClientSampleId :

Tot Ion: 65 Resp: 17761

Ion Ratio Lower Upper

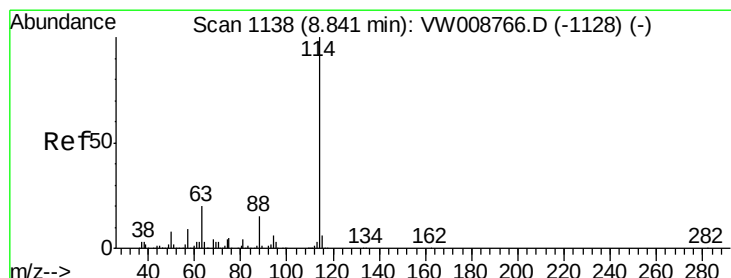
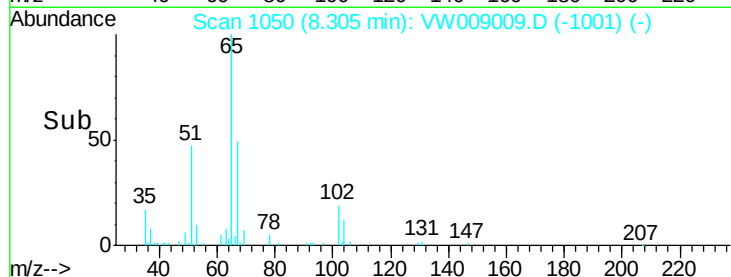
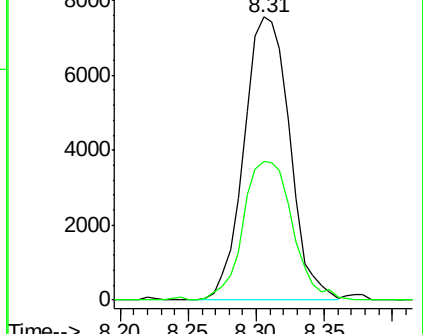
65 100

67 53.0 0.0 101.4



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.01 min

Lab File: VW009009.D

Acq: 05 Mar 2019 20:50

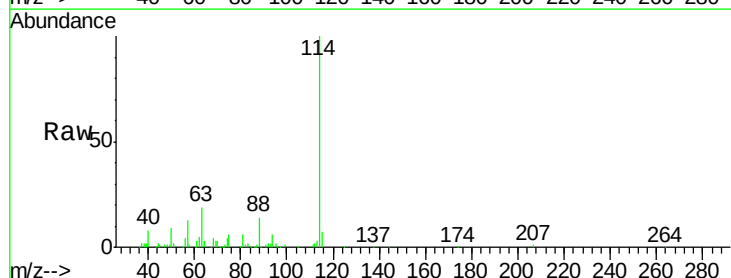
Tgt Ion: 114 Resp: 45211

Ion Ratio Lower Upper

114 100

63 18.9 0.0 40.8

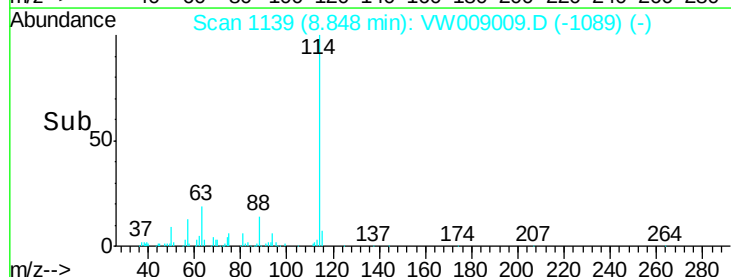
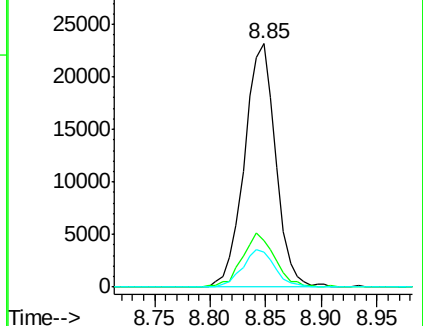
88 14.1 0.0 30.4

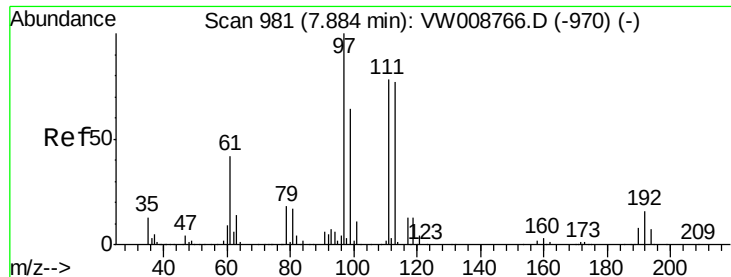


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 54.654 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW009009.D

Acq: 05 Mar 2019 20:50

Instrument :
MSVOA_W
ClientSampleId :

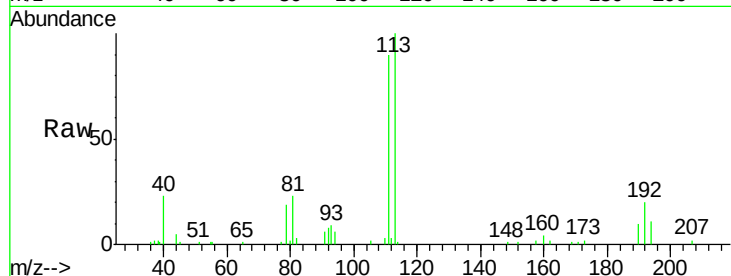
Tot Ion:113 Resp: 14836

Ion Ratio Lower Upper

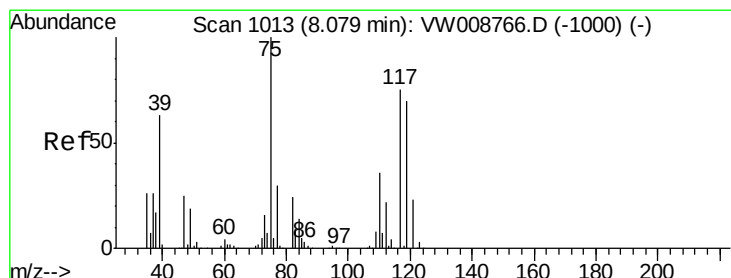
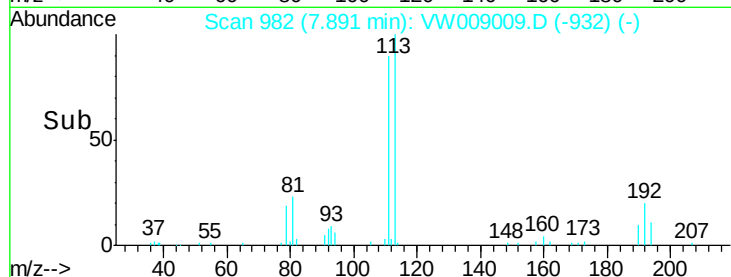
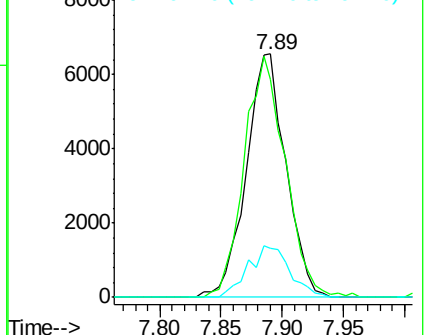
113 100

111 102.5 81.9 122.9

192 22.1 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



#36

1,1-Dichloropropene

Concen: 6.599 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW009009.D

Acq: 05 Mar 2019 20:50

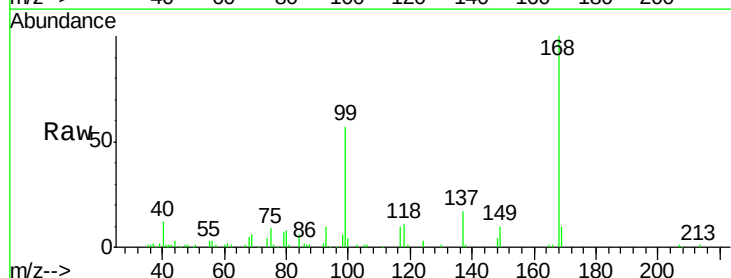
Tgt Ion: 75 Resp: 2904

Ion Ratio Lower Upper

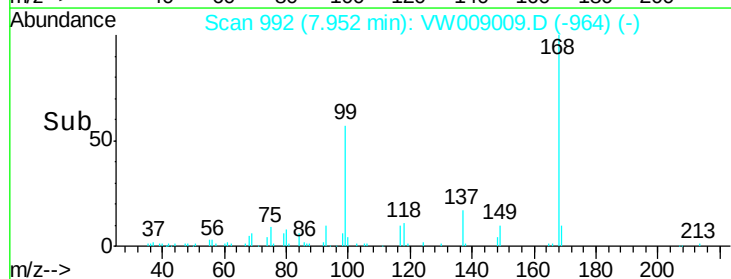
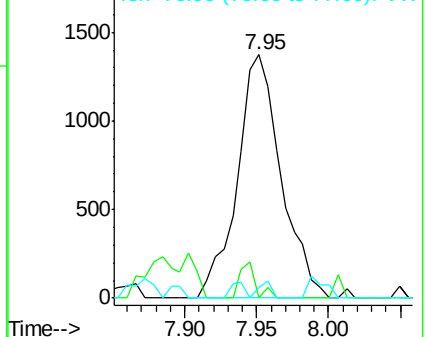
75 100

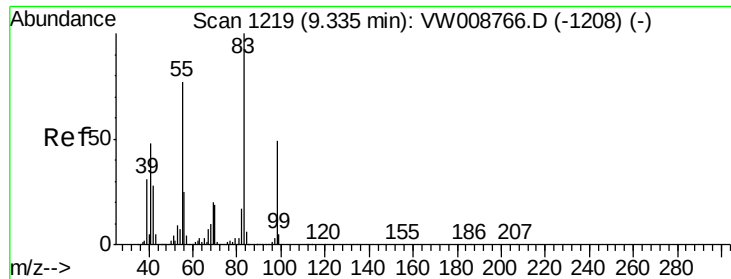
110 5.4 17.5 52.6#

77 1.9 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW

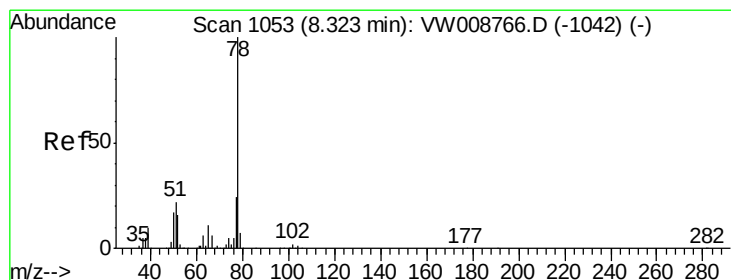
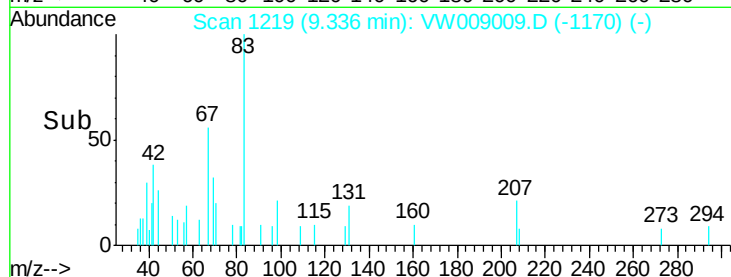
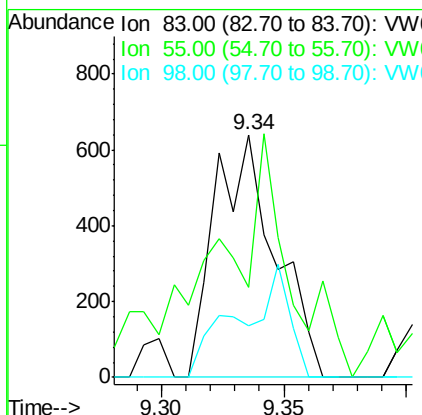
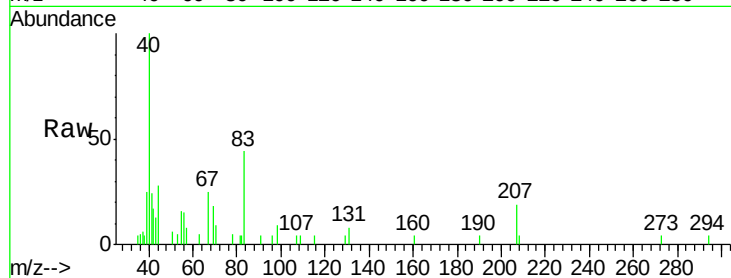




#39
Methylvlcyclohexane
Concen: 2.004 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW009009.D
Acq: 05 Mar 2019 20:50

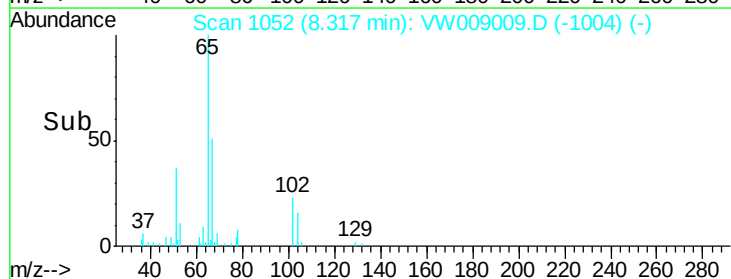
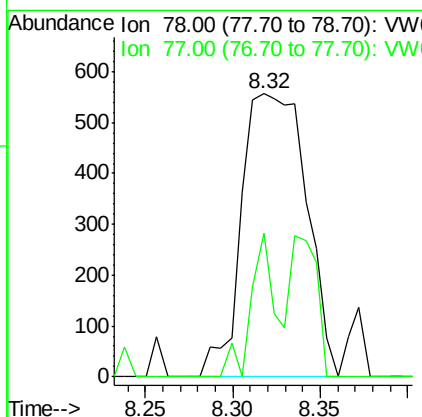
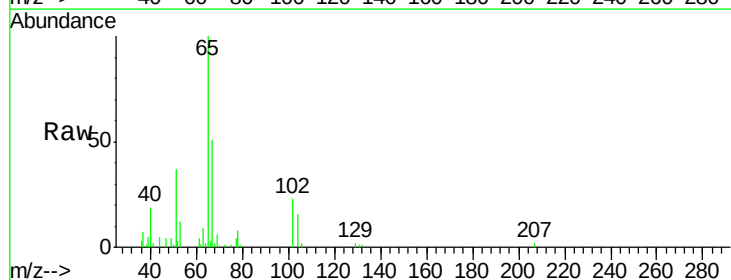
Instrument :
MSVOA_W
ClientSampled :

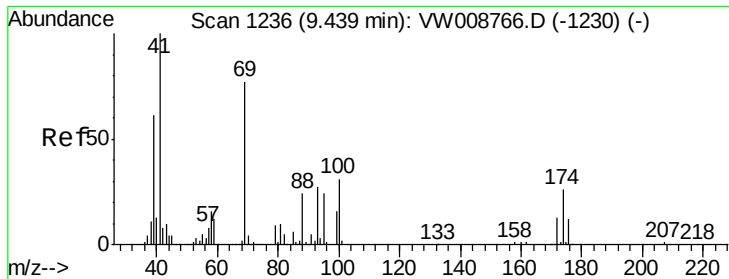
Tot Ion: 83 Resp: 1100
Ion Ratio Lower Upper
83 100
55 20.5 61.2 91.8#
98 21.1 39.4 59.2#



#40
Benzene
Concen: 1.201 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW009009.D
Acq: 05 Mar 2019 20:50

Tgt Ion: 78 Resp: 1443
Ion Ratio Lower Upper
78 100
77 50.6 19.3 28.9#

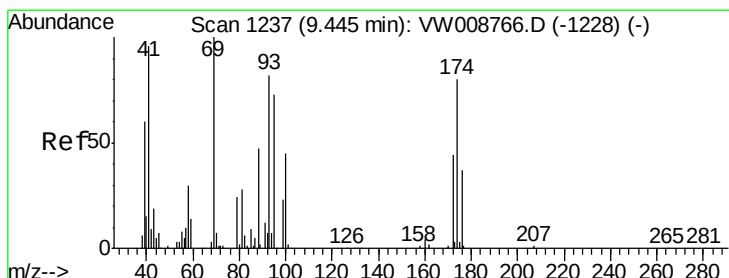
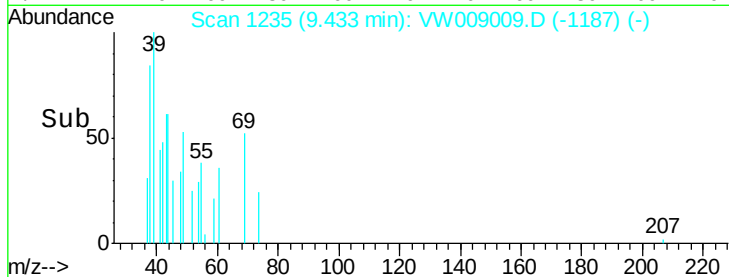
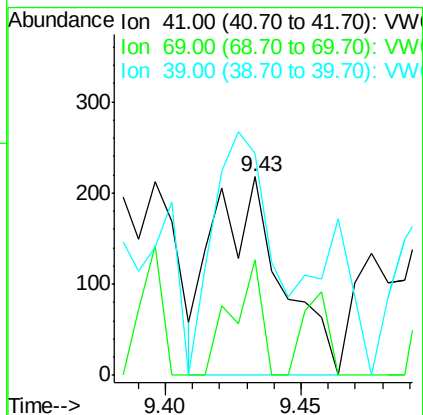
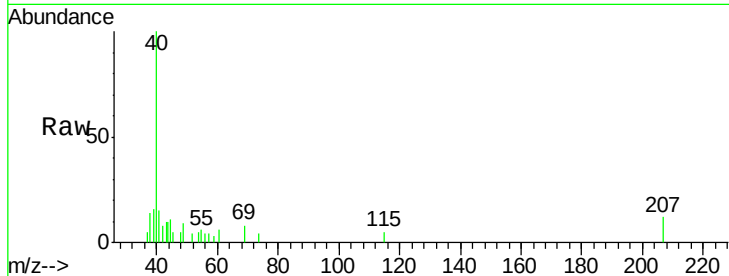




#48
Methyl methacrylate
Concen: 1.927 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW009009.D
Acq: 05 Mar 2019 20:50

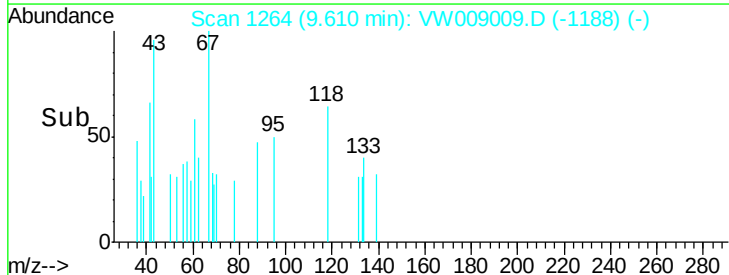
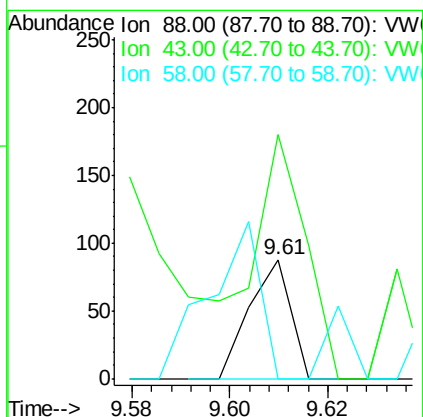
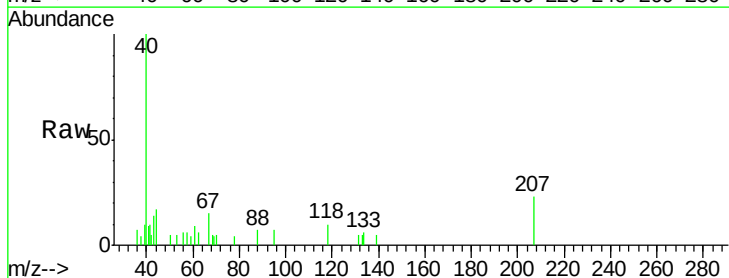
Instrument :
MSVOA_W
ClientSampled :

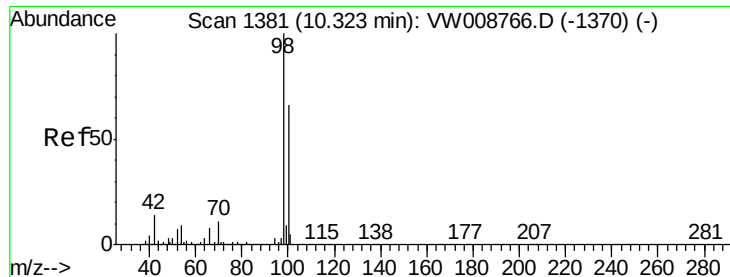
Tot Ion: 41 Resp: 377
Ion Ratio Lower Upper
41 100
69 25.2 63.6 95.4#
39 103.2 52.1 78.1#



#49
1,4-Dioxane
Concen: 19.660 ug/l
RT: 9.61 min Scan# 1264
Delta R.T. 0.16 min
Lab File: VW009009.D
Acq: 05 Mar 2019 20:50

Tgt Ion: 88 Resp: 52
Ion Ratio Lower Upper
88 100
43 242.3 29.0 43.4#
58 163.5 52.0 78.0#





#50

Toluene-d8

Concen: 51.176 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VW009009.D

Acq: 05 Mar 2019 20:50

Instrument :

MSVOA_W

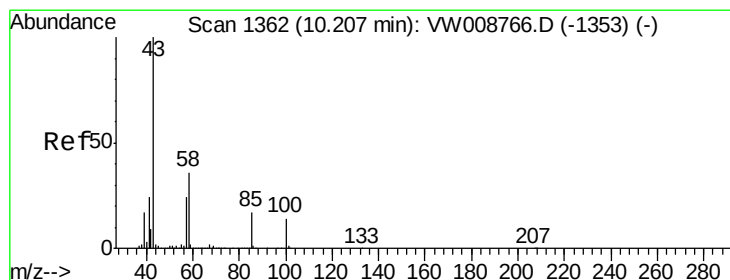
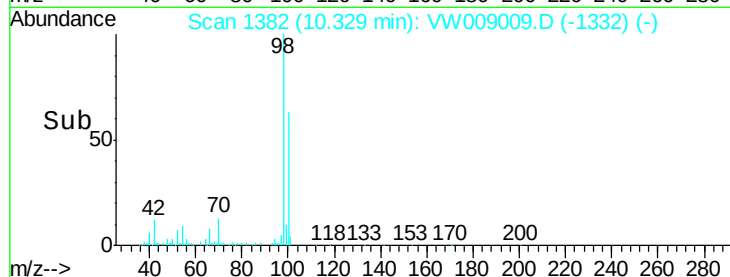
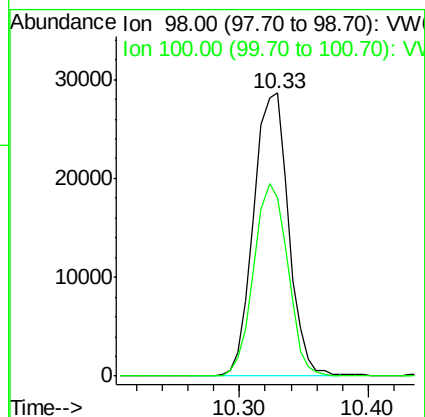
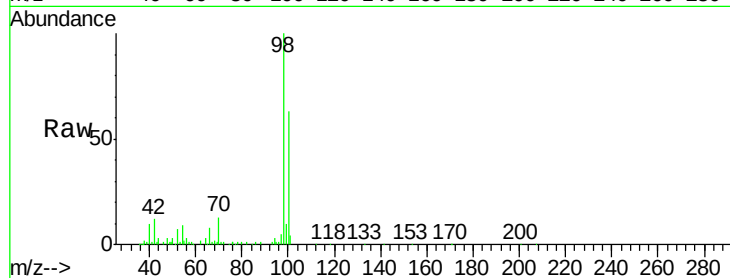
ClientSampleId :

Tot Ion: 98 Resp: 53627

Ion Ratio Lower Upper

98 100

100 66.4 52.4 78.6



#51

4-Methyl-2-Pentanone

Concen: 3.279 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW009009.D

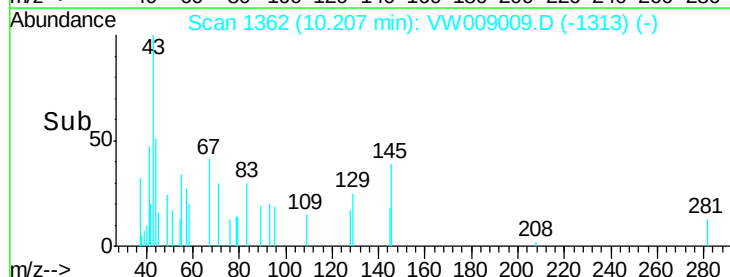
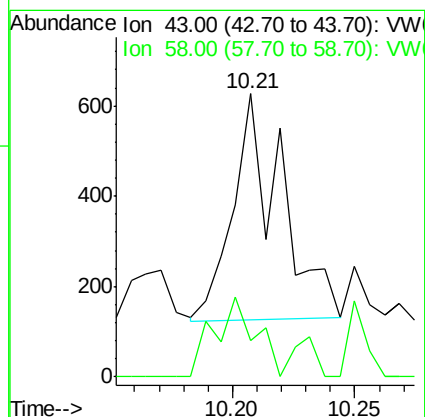
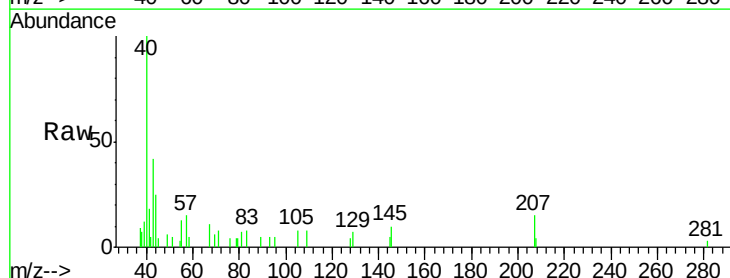
Acq: 05 Mar 2019 20:50

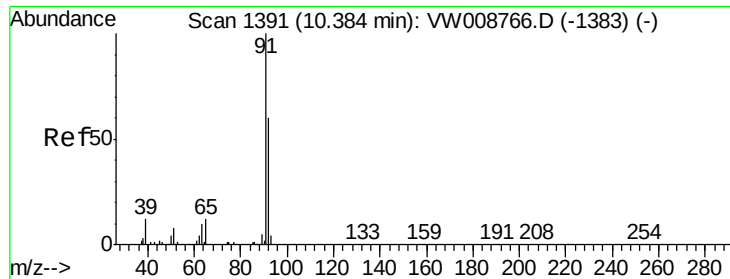
Tgt Ion: 43 Resp: 680

Ion Ratio Lower Upper

43 100

58 30.4 29.1 43.7





#52

Toluene

Concen: 3.140 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW009009.D

Acq: 05 Mar 2019 20:50

Instrument :

MSVOA_W

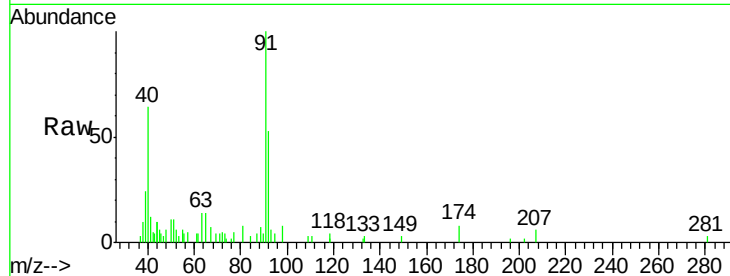
ClientSampled :

Tot Ion: 92 Resp: 2561

Ion Ratio Lower Upper

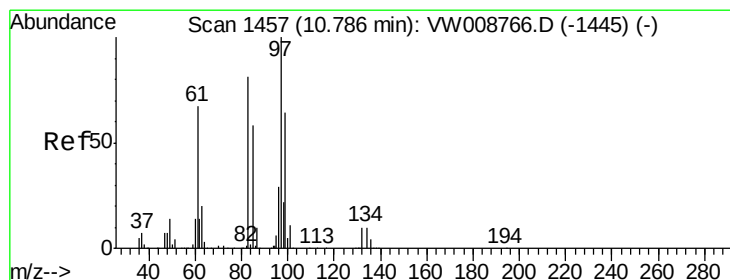
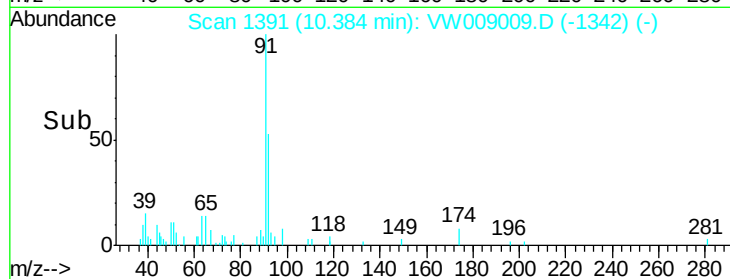
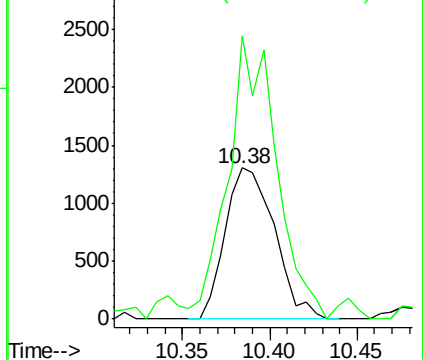
92 100

91 183.6 136.9 205.3



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



#55

1,1,2-Trichloroethane

Concen: 1.286 ug/l

RT: 10.78 min Scan# 1456

Delta R.T. -0.01 min

Lab File: VW009009.D

Acq: 05 Mar 2019 20:50

Tgt Ion: 97 Resp: 288

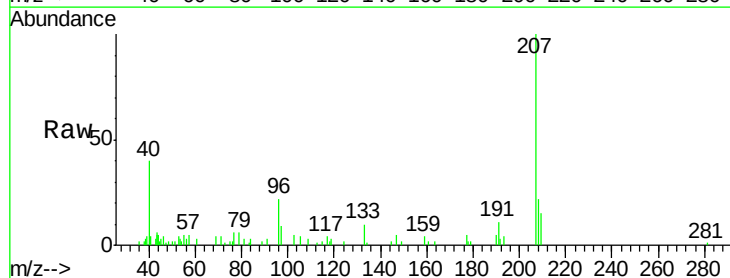
Ion Ratio Lower Upper

97 100

83 0.0 65.0 97.6#

85 0.0 46.0 69.0#

99 0.0 51.1 76.7#

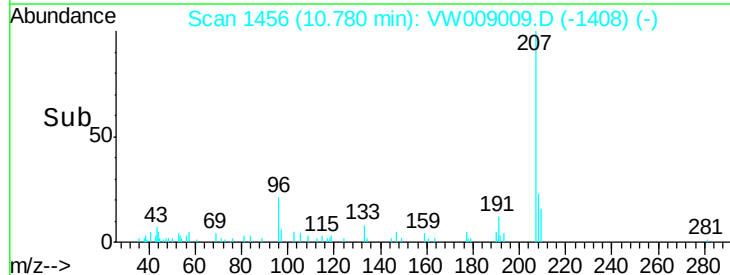
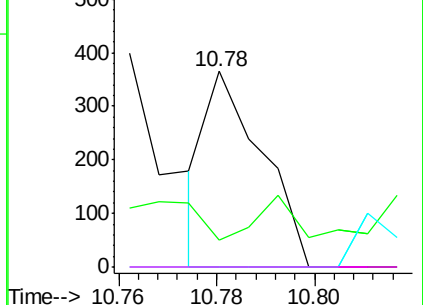


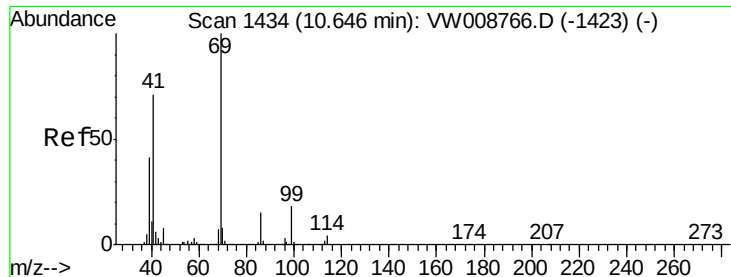
Abundance Ion 96.90 (96.60 to 97.60): VW

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





#56

Ethyl methacrylate

Concen: 1.756 ug/l

RT: 10.67 min Scan# 1438

Delta R.T. 0.02 min

Lab File: VW009009.D

Acq: 05 Mar 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

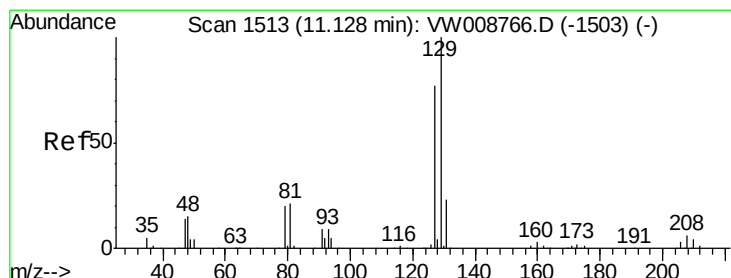
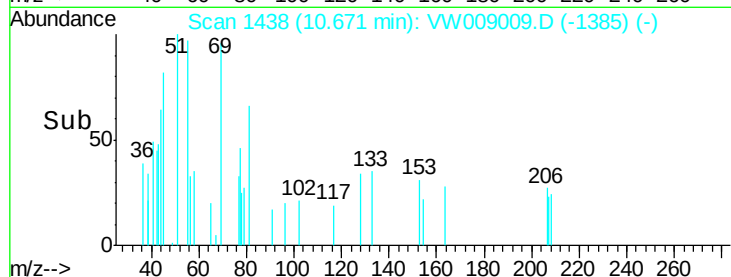
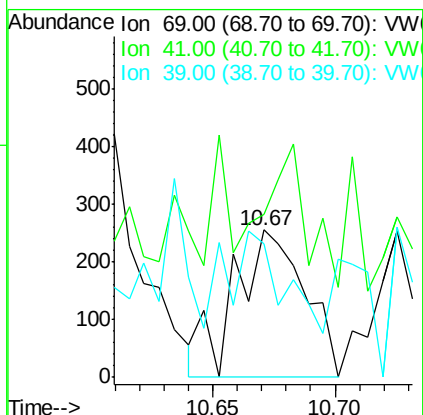
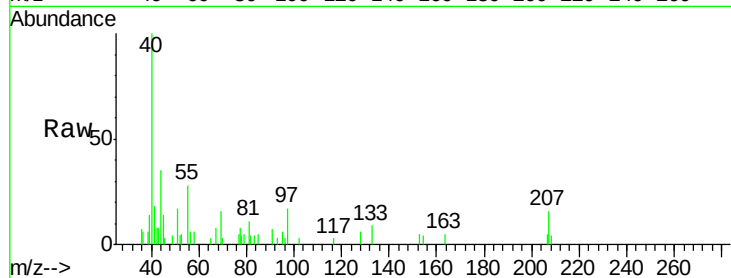
Tot Ion: 69 Resp: 511

Ion Ratio Lower Upper

69 100

41 33.3 57.4 86.0#

39 52.1 34.8 52.2



#60

Dibromochloromethane

Concen: 2.493 ug/l

RT: 11.15 min Scan# 1516

Delta R.T. 0.02 min

Lab File: VW009009.D

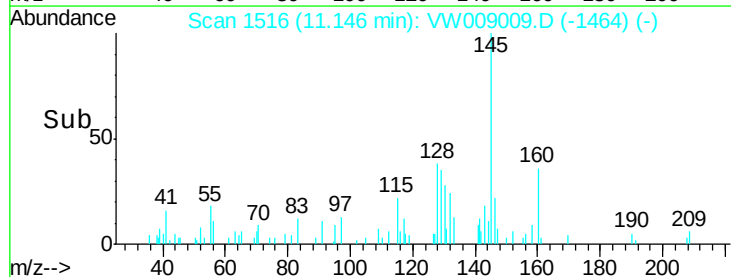
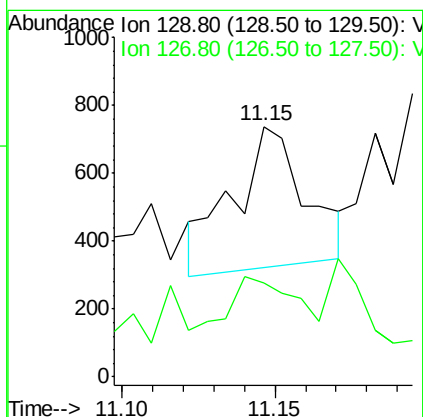
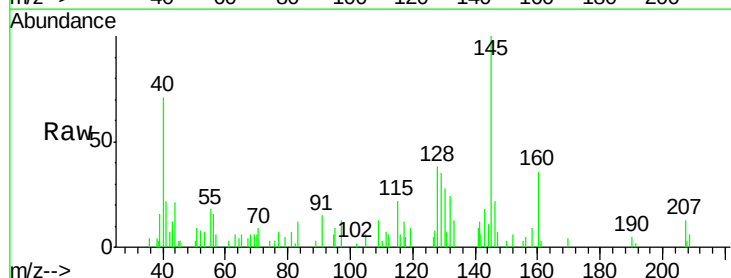
Acq: 05 Mar 2019 20:50

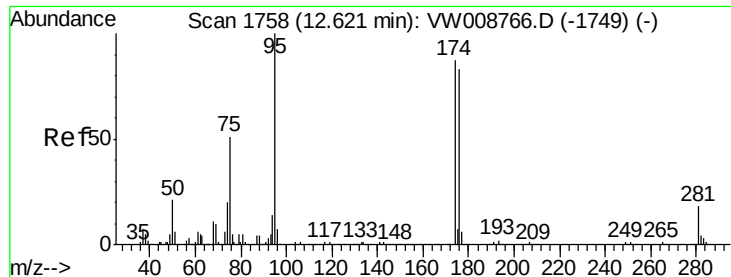
Tgt Ion: 129 Resp: 681

Ion Ratio Lower Upper

129 100

127 51.2 39.0 116.9

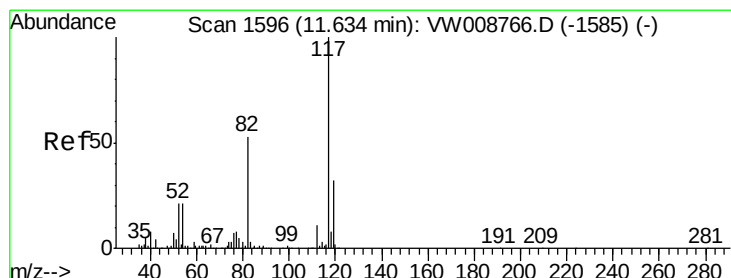
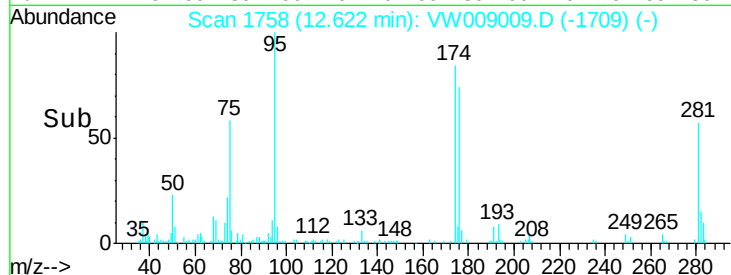
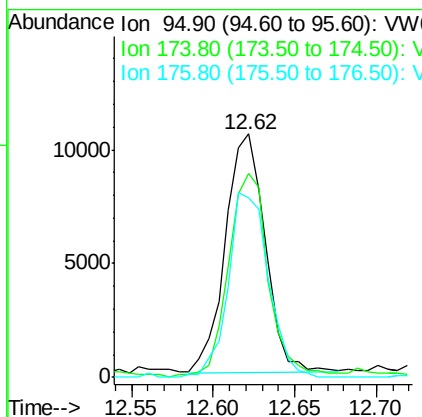
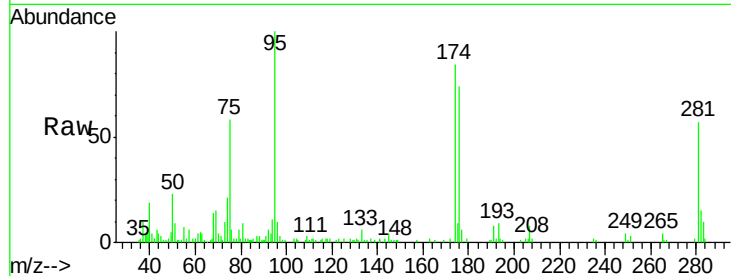




#62
4-Bromofluorobenzene
Concen: 43.874 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW009009.D
Acq: 05 Mar 2019 20:50

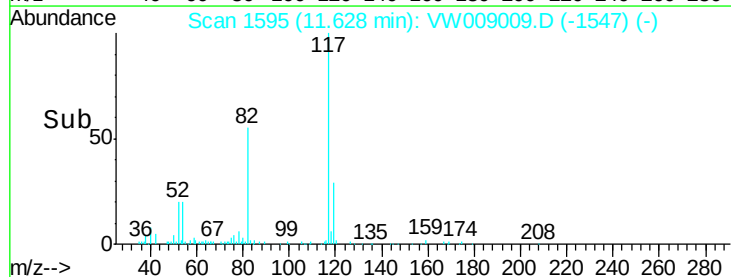
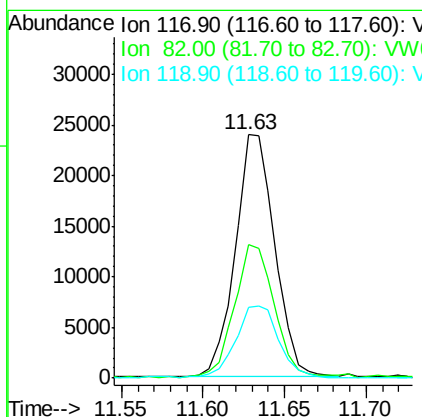
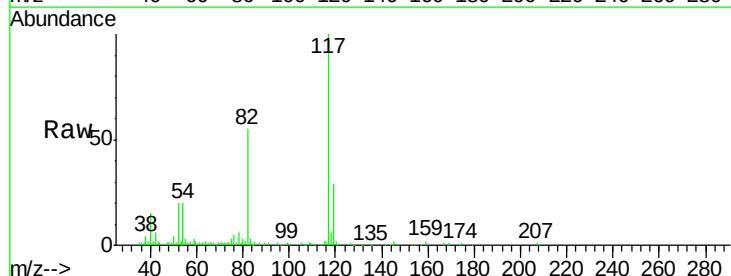
Instrument :
MSVOA_W
ClientSampled :

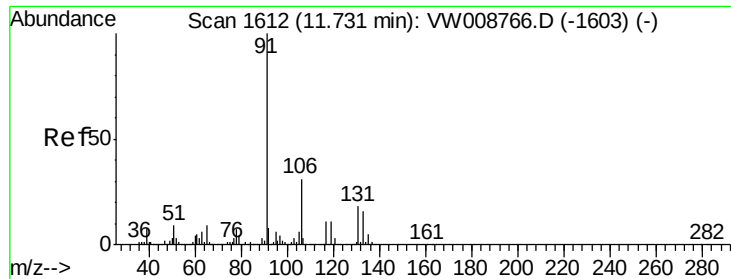
Tot Ion: 95 Resp: 18001
Ion Ratio Lower Upper
95 100
174 85.7 0.0 169.2
176 77.4 0.0 163.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW009009.D
Acq: 05 Mar 2019 20:50

Tgt Ion: 117 Resp: 40080
Ion Ratio Lower Upper
117 100
82 54.5 42.2 63.4
119 29.4 25.9 38.9

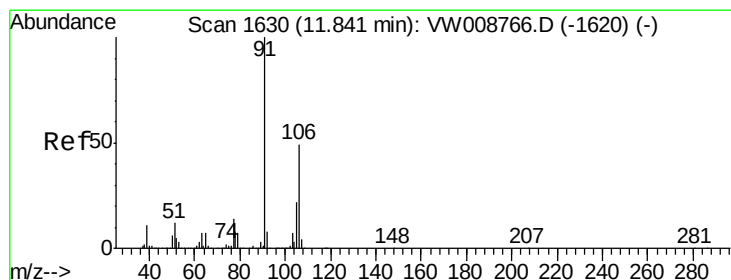
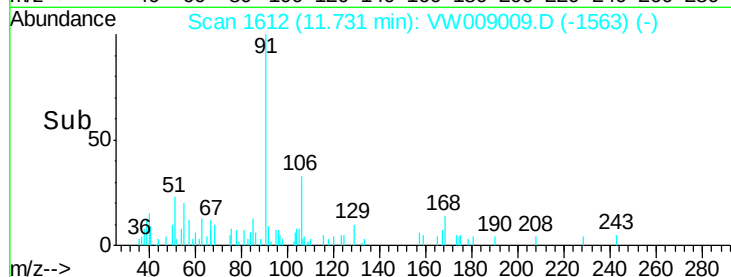
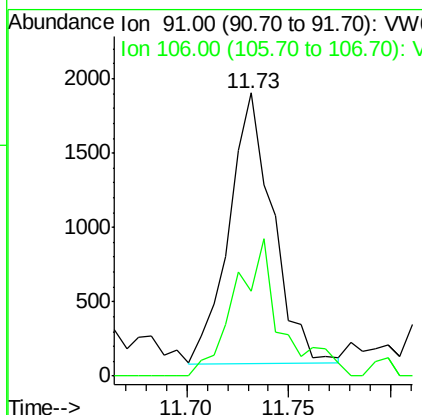
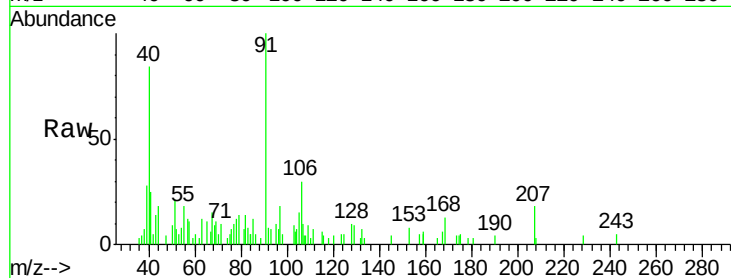




#67
Ethyl Benzene
Concen: 1.814 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009009.D
Acq: 05 Mar 2019 20:50

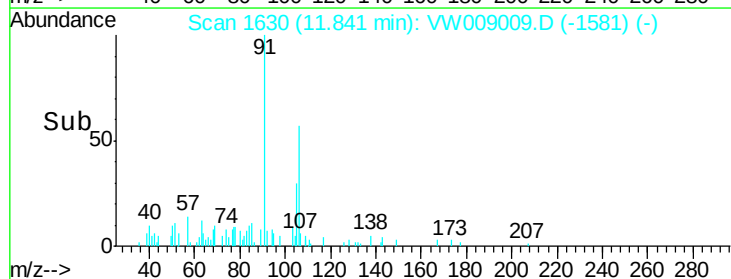
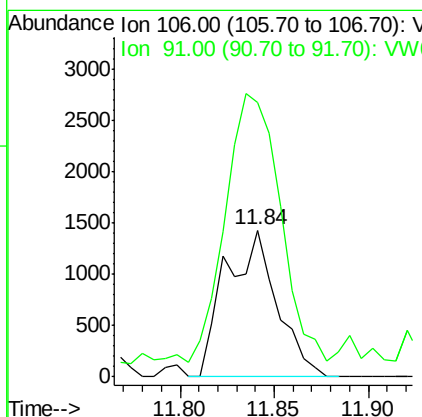
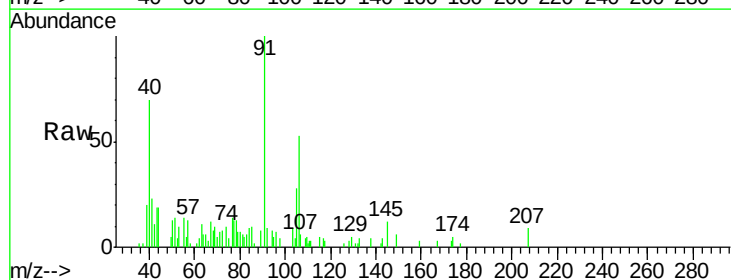
Instrument :
MSVOA_W
ClientSampled :

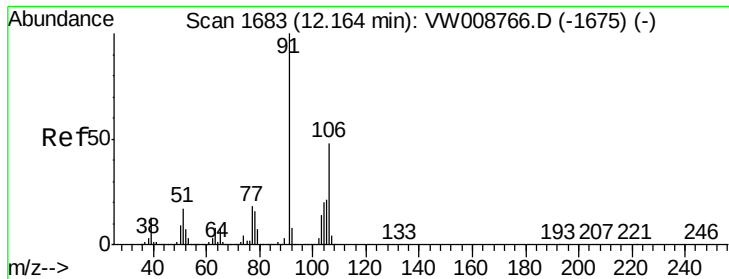
Tot Ion: 91 Resp: 2733
Ion Ratio Lower Upper
91 100
106 31.5 25.0 37.6



#68
m/p-Xylenes
Concen: 4.469 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009009.D
Acq: 05 Mar 2019 20:50

Tgt Ion: 106 Resp: 2690
Ion Ratio Lower Upper
106 100
91 197.9 161.5 242.3

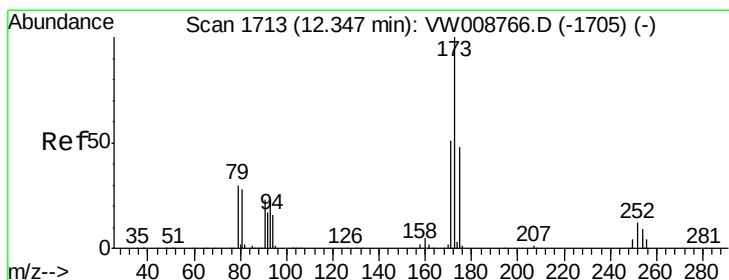
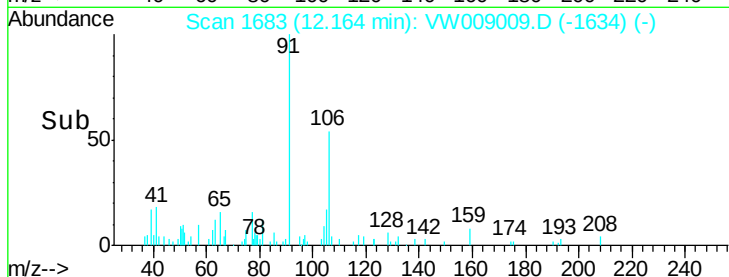
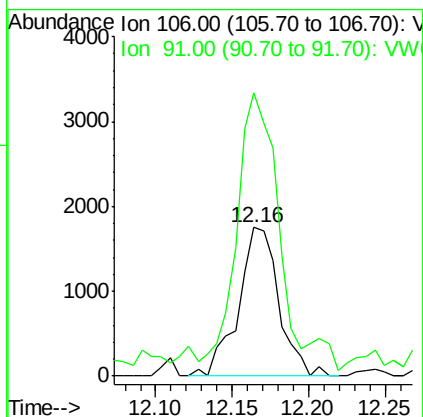
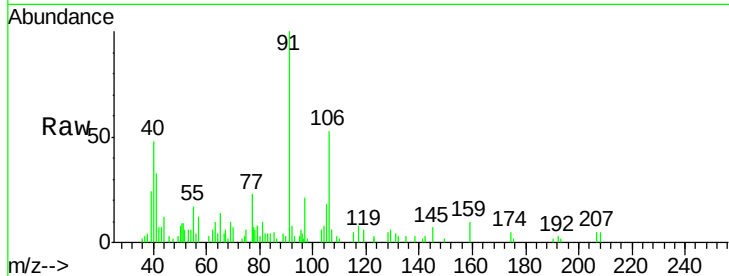




#69
o-Xylene
Concen: 5.703 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW009009.D
Acq: 05 Mar 2019 20:50

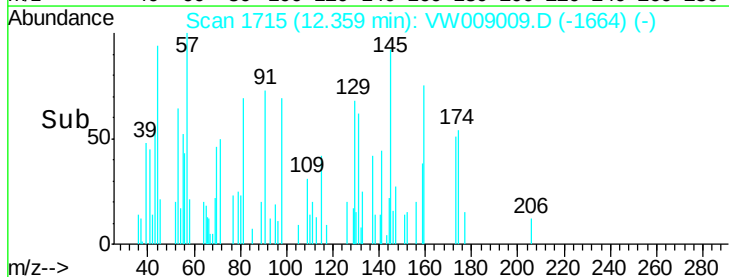
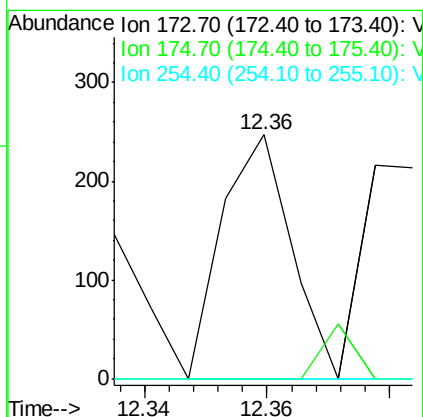
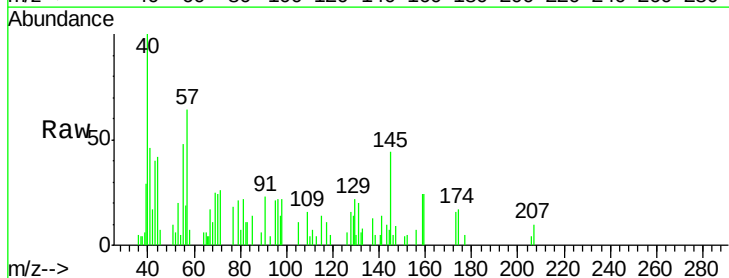
Instrument :
MSVOA_W
ClientSampled :

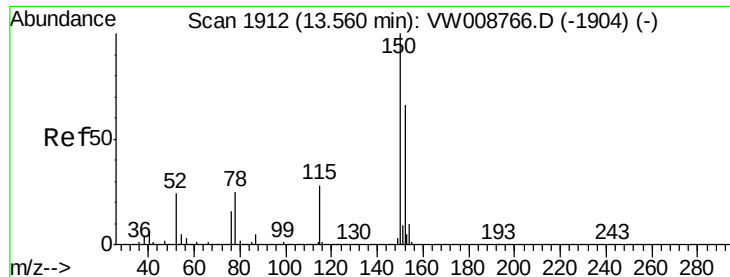
Tot Ion:106 Resp: 3222
Ion Ratio Lower Upper
106 100
91 197.7 106.2 318.6



#71
Bromoform
Concen: 1.253 ug/l
RT: 12.36 min Scan# 1715
Delta R.T. 0.01 min
Lab File: VW009009.D
Acq: 05 Mar 2019 20:50

Tgt Ion:173 Resp: 192
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.2 0.4#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009009.D

Acq: 05 Mar 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

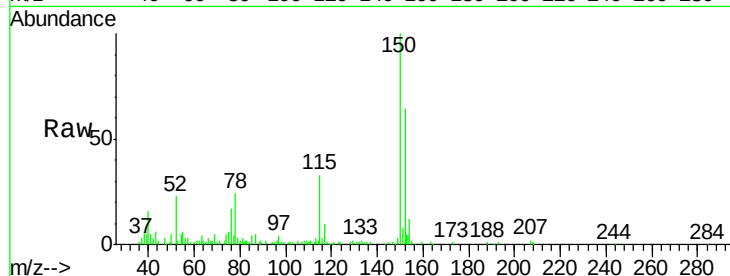
Tot Ion:152 Resp: 15820

Ion Ratio Lower Upper

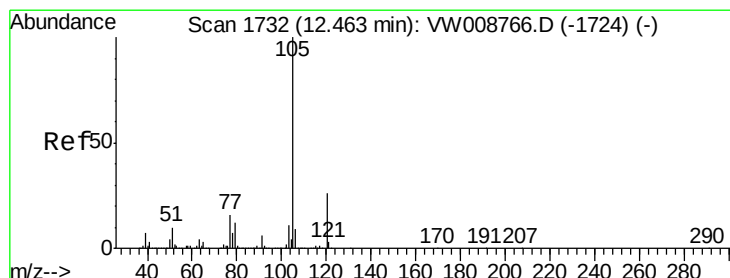
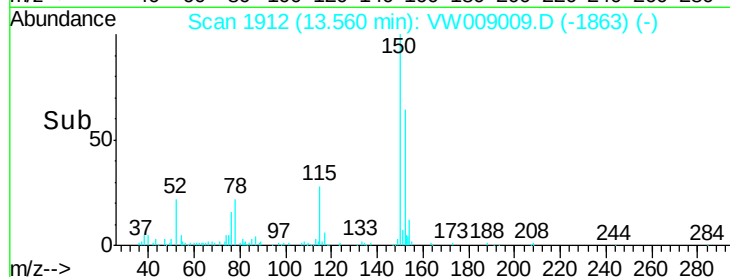
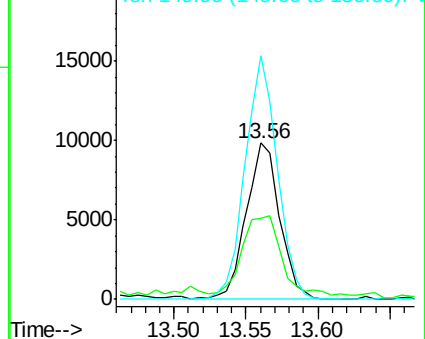
152 100

115 59.9 28.6 85.8

150 149.7 0.0 348.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 2.025 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW009009.D

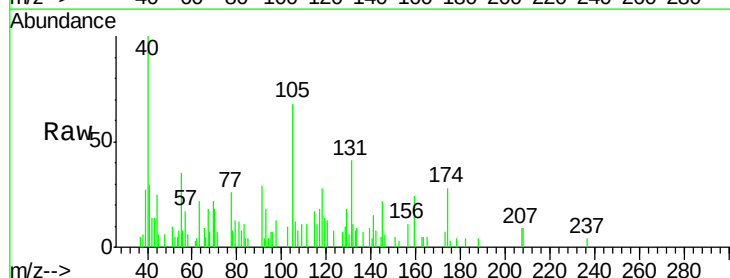
Acq: 05 Mar 2019 20:50

Tgt Ion:105 Resp: 2196

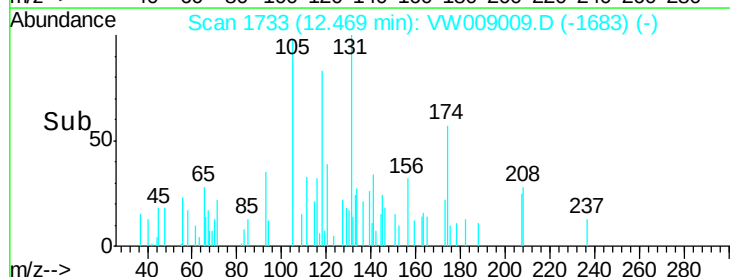
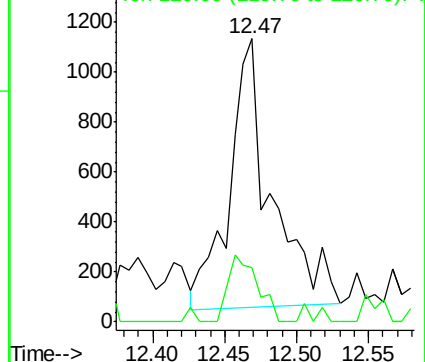
Ion Ratio Lower Upper

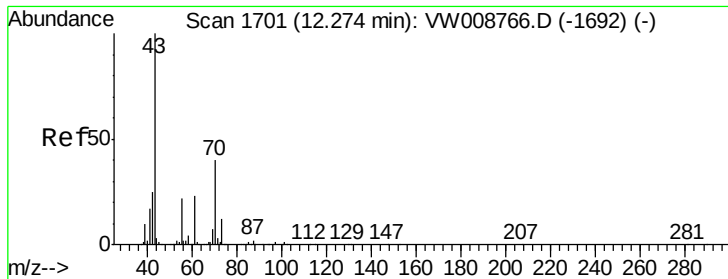
105 100

120 17.7 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 2.573 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW009009.D

Acq: 05 Mar 2019 20:50

Instrument :

MSVOA_W

ClientSampled :

Tot Ion: 43 Resp: 703

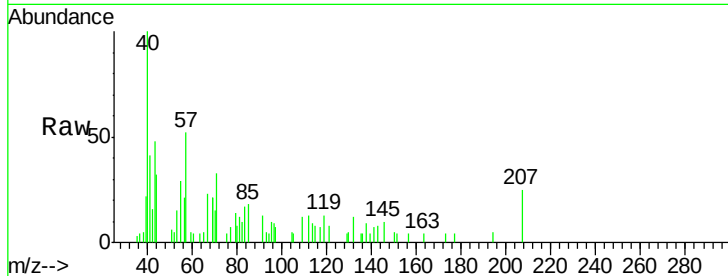
Ion Ratio Lower Upper

43 100

70 17.4 31.0 46.6#

55 0.0 18.7 28.1#

61 0.0 18.1 27.1#

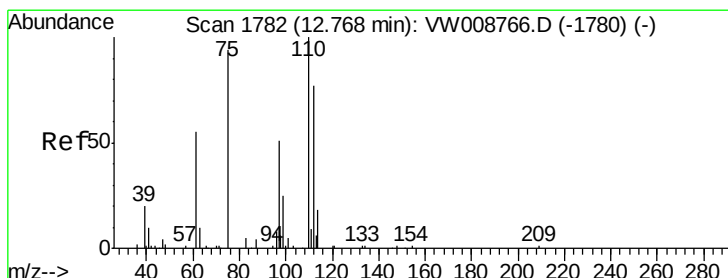
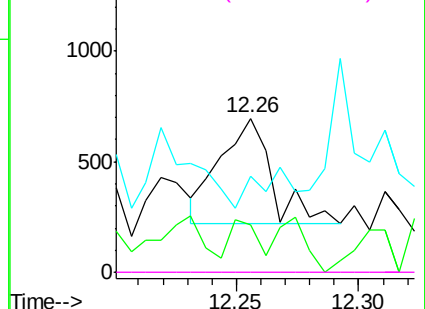
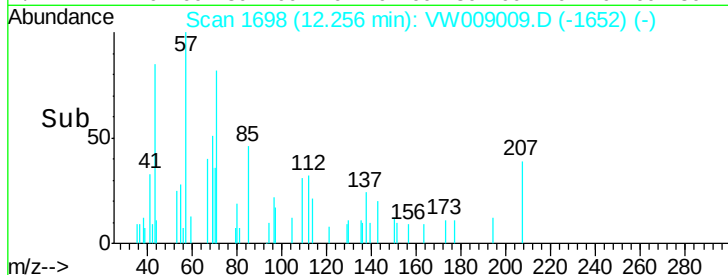


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#76

1,2,3-Trichloropropane

Concen: 3.759 ug/l

RT: 12.88 min Scan# 1801

Delta R.T. 0.12 min

Lab File: VW009009.D

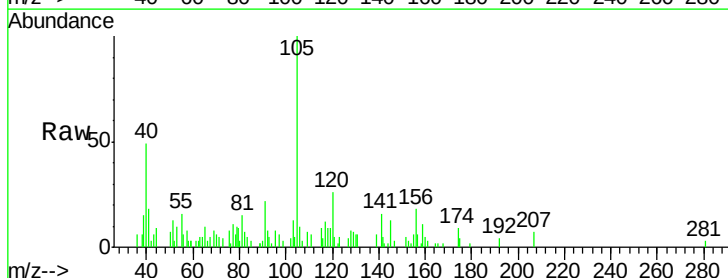
Acq: 05 Mar 2019 20:50

Tgt Ion: 75 Resp: 491

Ion Ratio Lower Upper

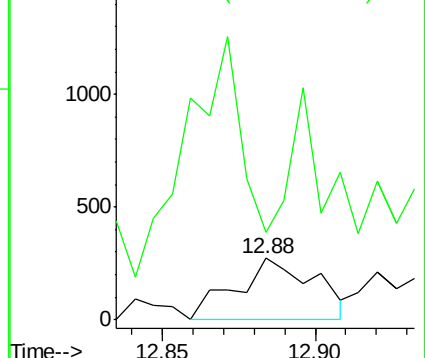
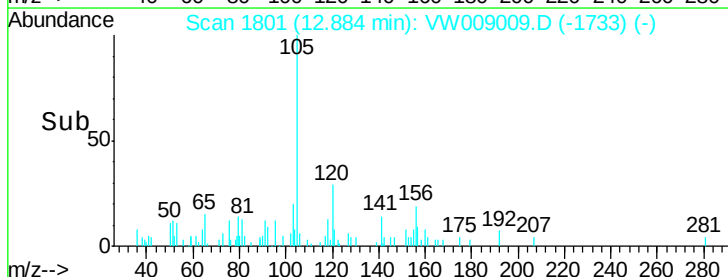
75 100

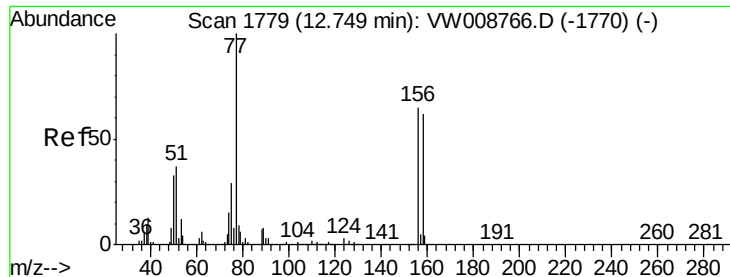
77 284.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 8.732 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.14 min

Lab File: VW009009.D

Acq: 05 Mar 2019 20:50

Instrument :

MSVOA_W

ClientSampled :

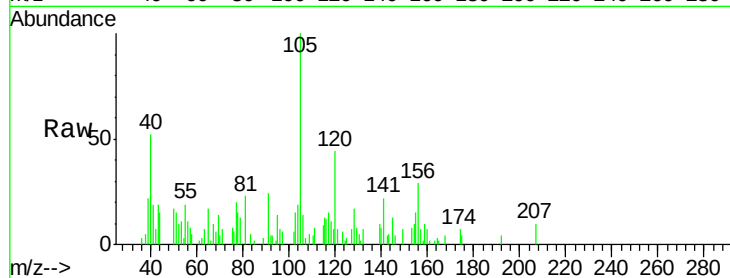
Tot Ion:156 Resp: 2238

Ion Ratio Lower Upper

156 100

77 36.3 89.1 267.4#

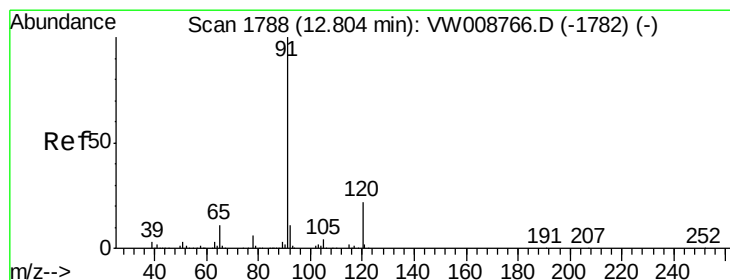
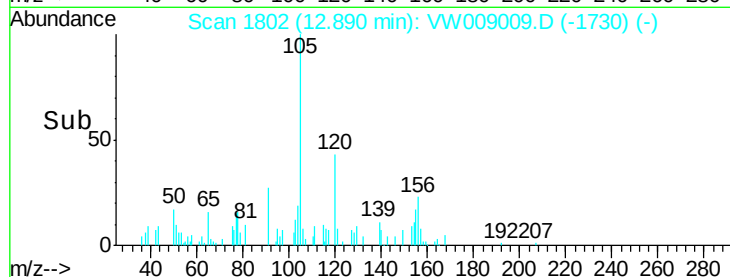
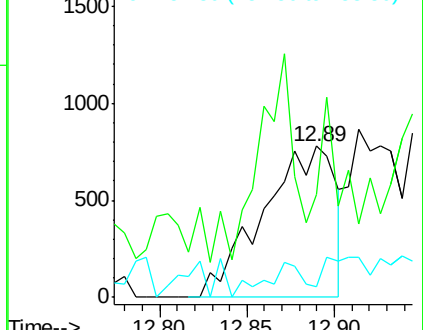
158 15.1 49.2 147.6#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 3.057 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW009009.D

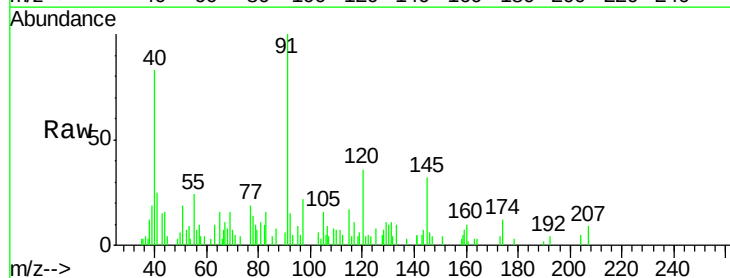
Acq: 05 Mar 2019 20:50

Tgt Ion: 91 Resp: 4056

Ion Ratio Lower Upper

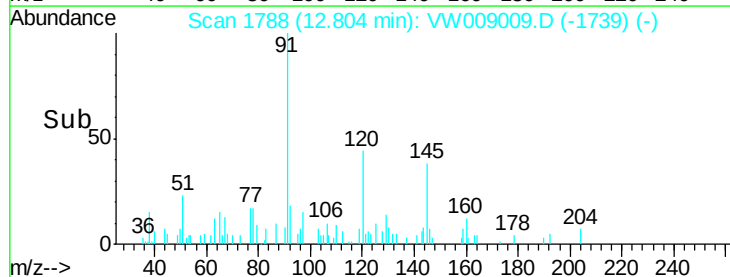
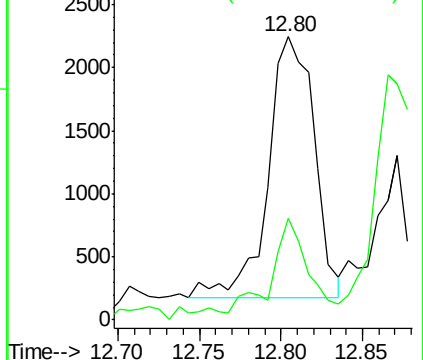
91 100

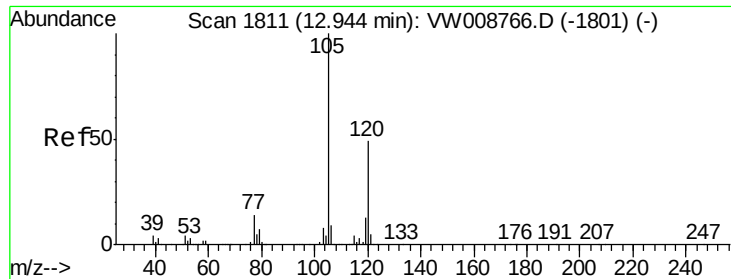
120 26.8 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 9.040 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009009.D

Acq: 05 Mar 2019 20:50

Instrument :

MSVOA_W

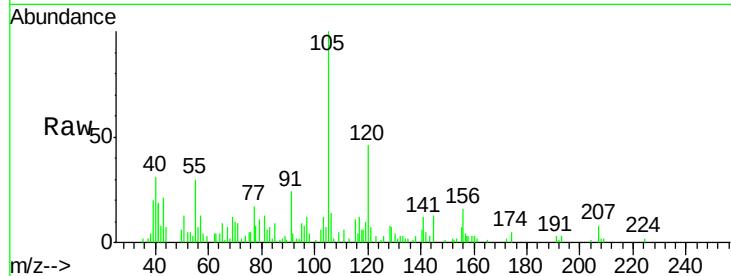
ClientSampleId :

Tot Ion:105 Resp: 8520

Ion Ratio Lower Upper

105 100

120 50.6 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.94

6000

5000

4000

3000

2000

1000

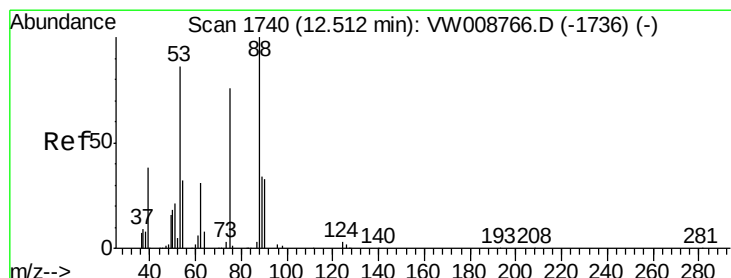
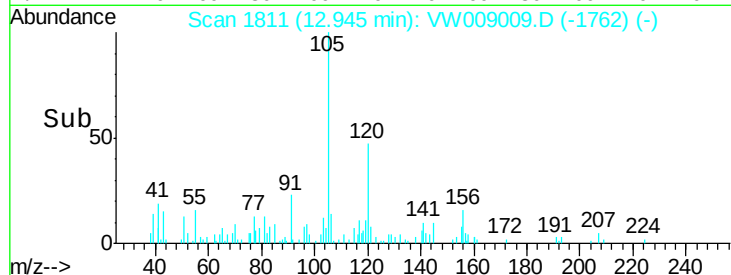
0

12.90

12.95

13.00

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 176.484 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW009009.D

Acq: 05 Mar 2019 20:50

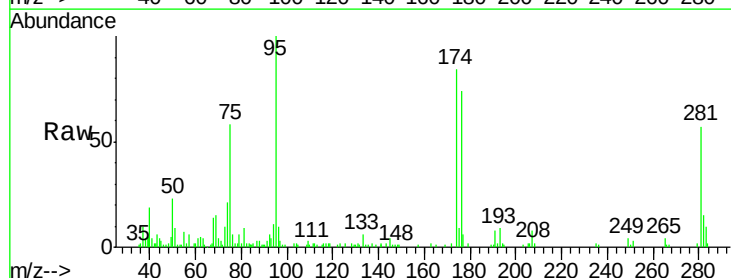
Tgt Ion: 75 Resp: 9482

Ion Ratio Lower Upper

75 100

53 1.6 88.2 132.2#

89 2.3 39.5 59.3#



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

8000

6000

4000

2000

0

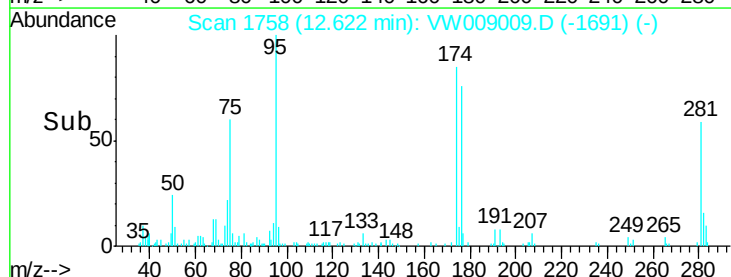
12.55

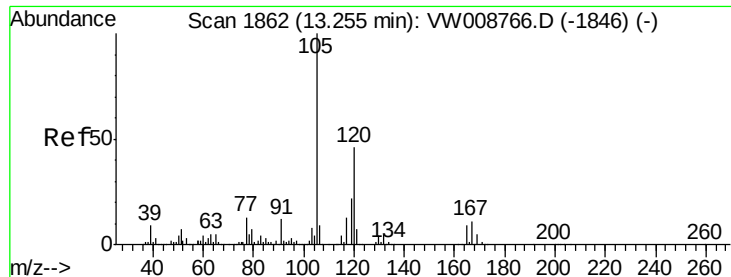
12.60

12.65

12.70

Time-->





#84

1,2,4-Trimethylbenzene

Concen: 18.549 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW009009.D

Acq: 05 Mar 2019 20:50

Instrument :

MSVOA_W

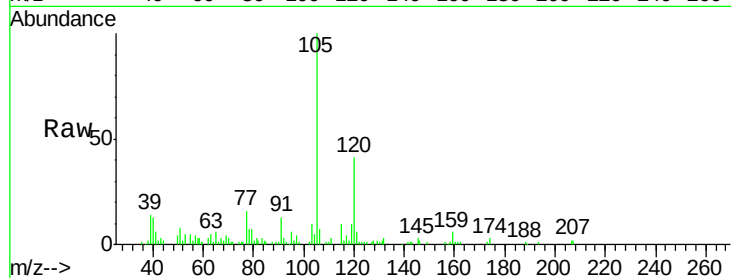
ClientSampled :

Tot Ion:105 Resp: 18097

Ion Ratio Lower Upper

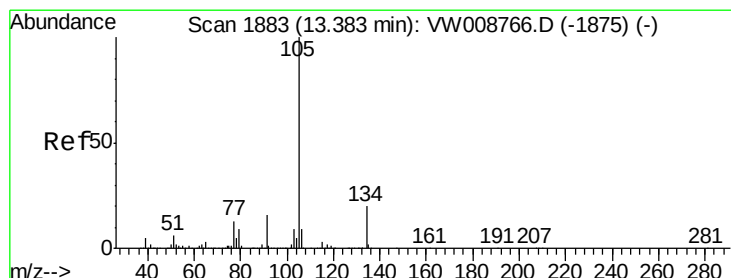
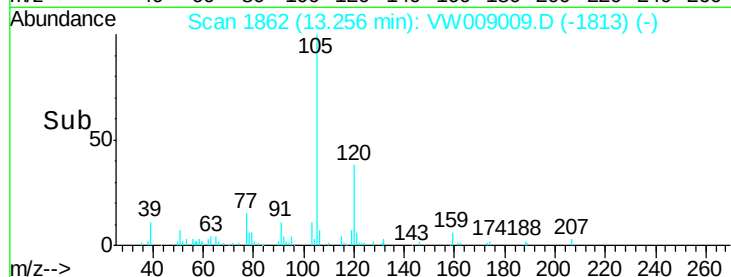
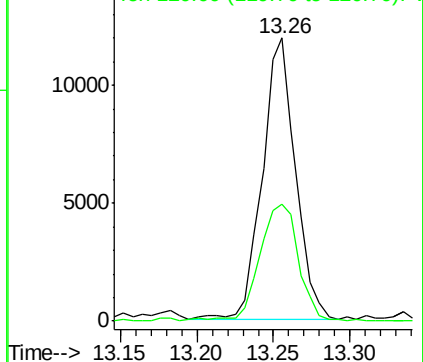
105 100

120 48.8 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: 2.227 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.01 min

Lab File: VW009009.D

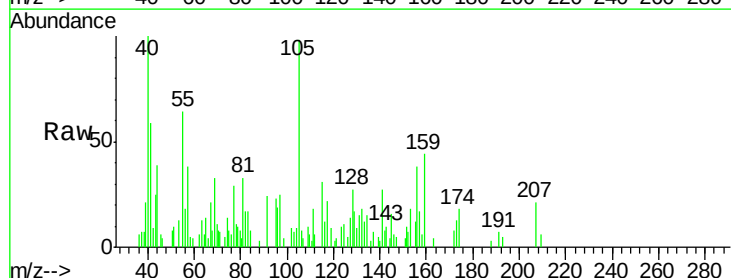
Acq: 05 Mar 2019 20:50

Tgt Ion:105 Resp: 2609

Ion Ratio Lower Upper

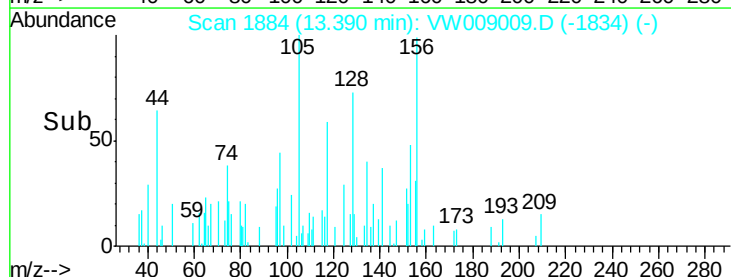
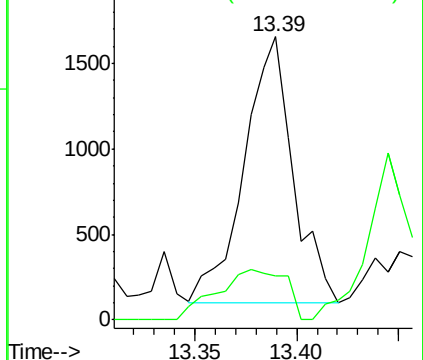
105 100

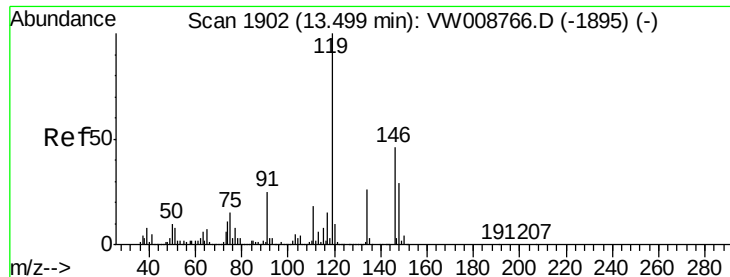
134 26.4 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

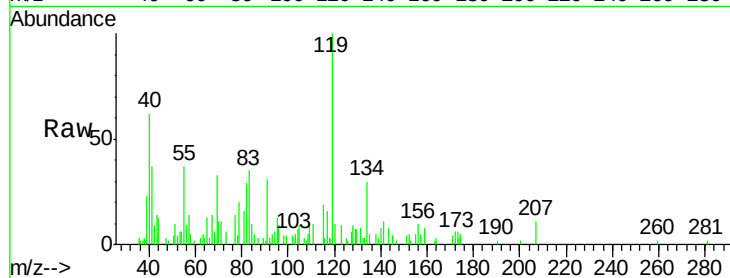




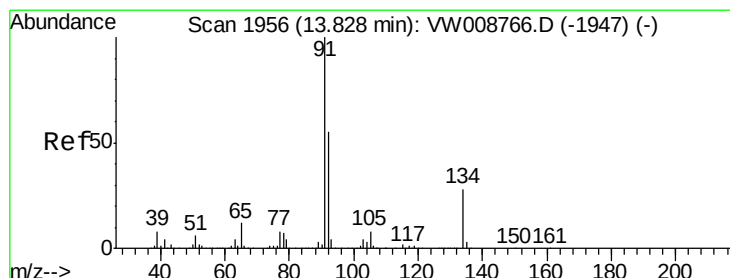
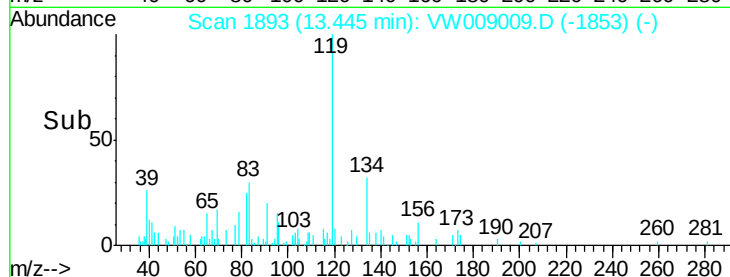
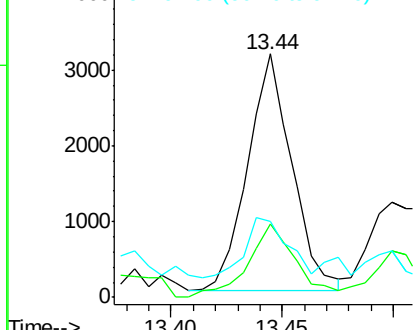
#86
 p-Isopropyltoluene
 Concen: 4.037 ug/l
 RT: 13.44 min Scan# 1893
 Delta R.T. -0.05 min
 Lab File: VW009009.D
 Acq: 05 Mar 2019 20:50

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:119 Resp: 4337
 Ion Ratio Lower Upper
 119 100
 134 33.4 13.1 39.3
 91 23.8 12.1 36.3

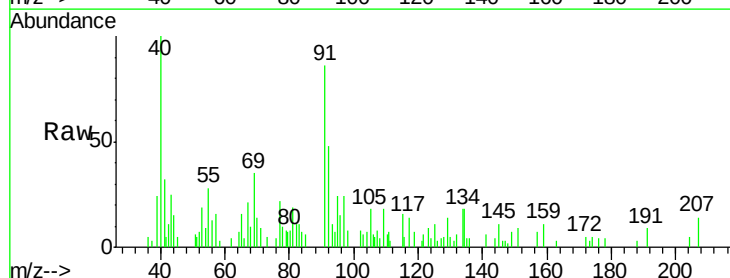


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 134.00 (133.70 to 134.70): V
 Ion 91.00 (90.70 to 91.70): V

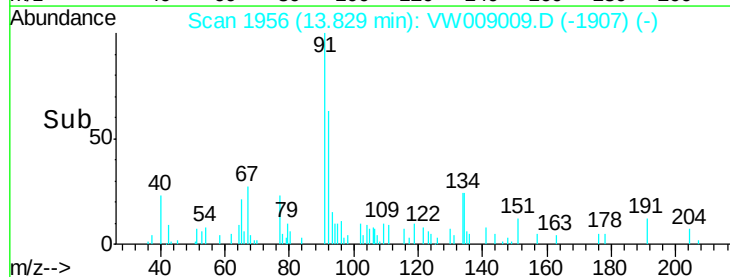
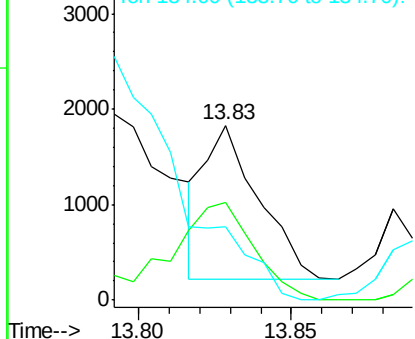


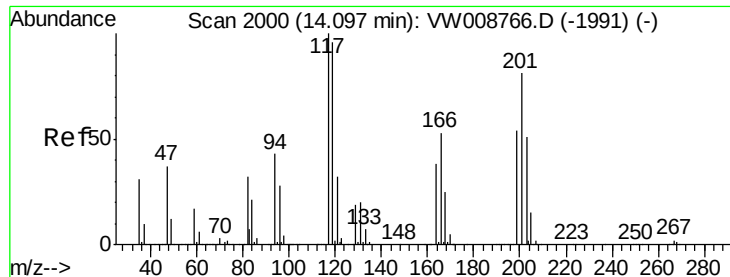
#89
 n-Butylbenzene
 Concen: 1.947 ug/l
 RT: 13.83 min Scan# 1956
 Delta R.T. 0.00 min
 Lab File: VW009009.D
 Acq: 05 Mar 2019 20:50

Tgt Ion: 91 Resp: 1959
 Ion Ratio Lower Upper
 91 100
 92 100.5 26.8 80.4#
 134 0.0 13.5 40.4#



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: 5.323 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW009009.D

Acq: 05 Mar 2019 20:50

Instrument :

MSVOA_W

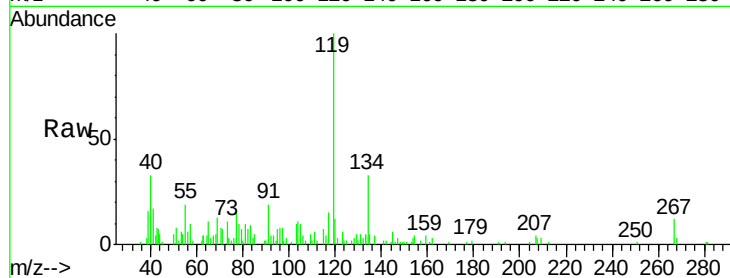
ClientSampled :

Tot Ion:117 Resp: 936

Ion Ratio Lower Upper

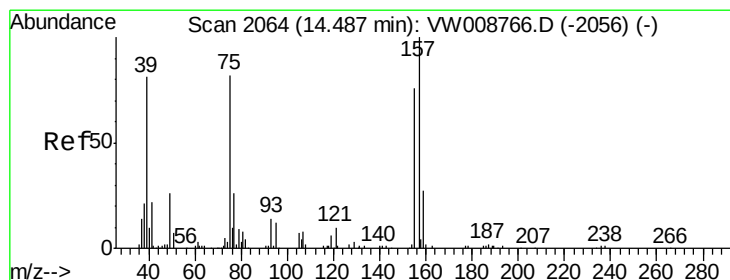
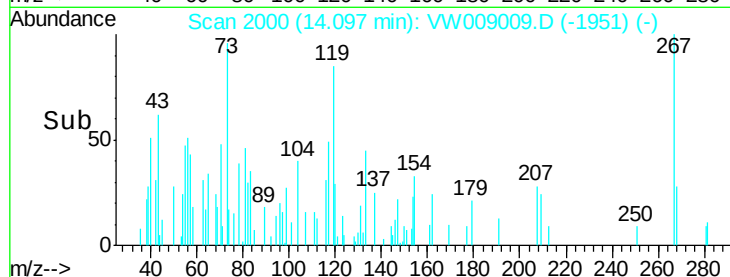
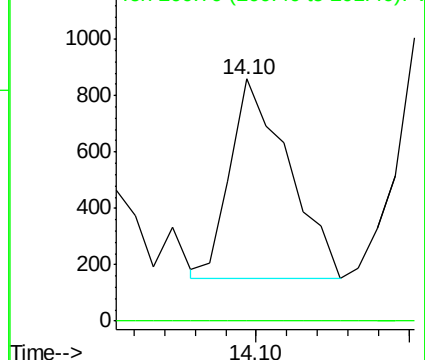
117 100

201 0.0 40.3 120.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 8.048 ug/l

RT: 14.35 min Scan# 2041

Delta R.T. -0.14 min

Lab File: VW009009.D

Acq: 05 Mar 2019 20:50

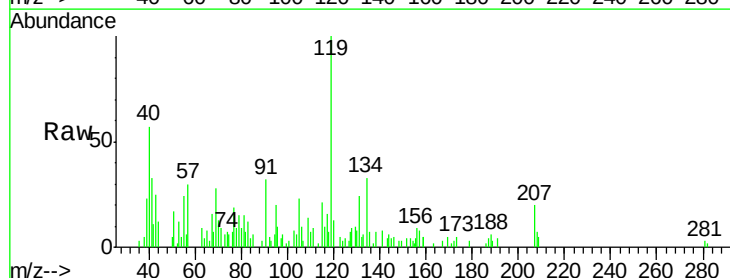
Tgt Ion: 75 Resp: 258

Ion Ratio Lower Upper

75 100

155 50.8 41.8 125.4

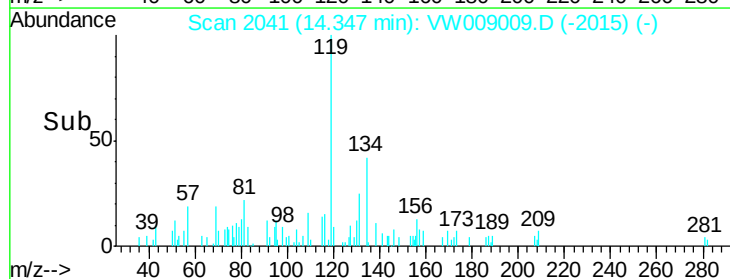
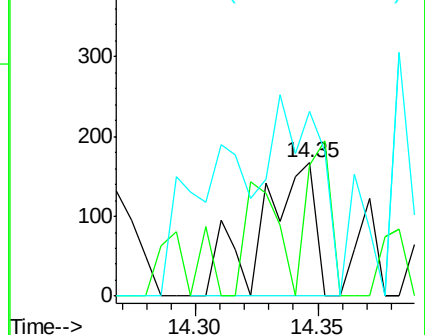
157 140.7 56.6 169.9

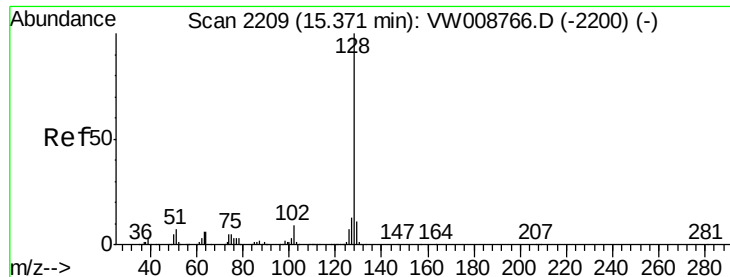


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 4.100 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW009009.D

Acq: 05 Mar 2019 20:50

Instrument :

MSVOA_W

ClientSampleId :

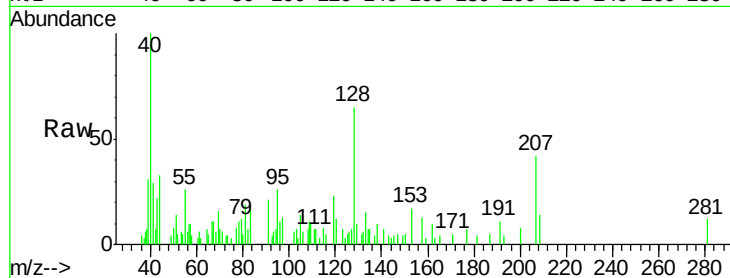
Tot Ion:128 Resp: 2383

Ion Ratio Lower Upper

128 100

127 15.1 10.8 16.2

129 0.0 8.7 13.1#



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

