

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW121518\
 Data File : VW007464.D
 Acq On : 13 Dec 2018 03:06
 Operator : SY/AP
 Sample : J6340-06
 Misc : 4.97G/5ML/MSVOA W/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-04B

Quant Time: Dec 13 04:22:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	21364	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	39223	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	11730	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	1050	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	19094	80.56	ug/l	0.00
Spiked Amount			Recovery	=	161.12%	
35) Dibromofluoromethane	7.88	113	18565	78.19	ug/l	0.00
Spiked Amount			Recovery	=	156.38%	
50) Toluene-d8	10.32	98	23374	26.26	ug/l	0.00
Spiked Amount			Recovery	=	52.52%	
62) 4-Bromofluorobenzene	12.62	95	1958	5.98	ug/l	0.00
Spiked Amount			Recovery	=	11.96%	

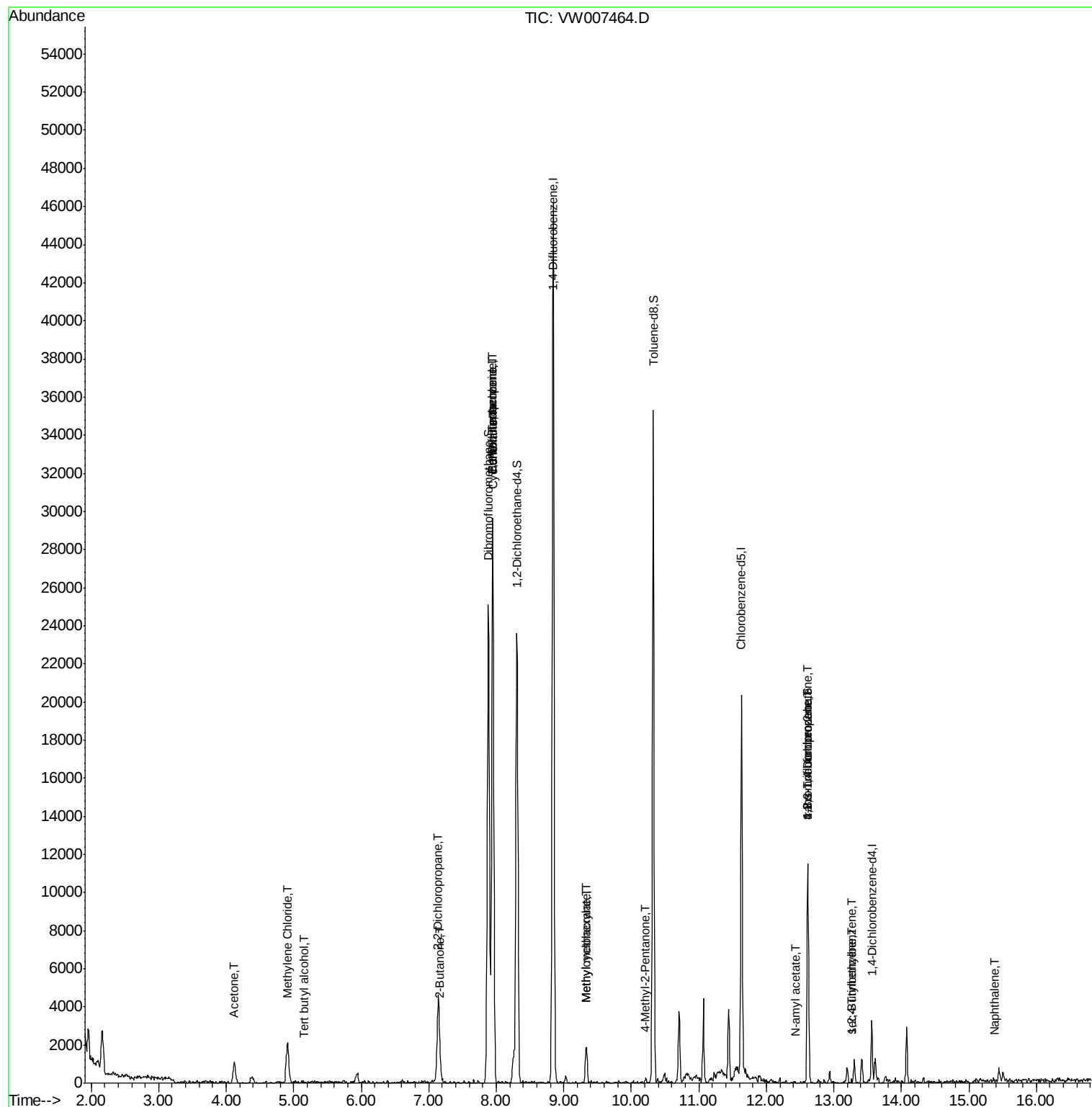
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.17	59	37	2.273	ug/l #	74
16) Acetone	4.12	43	2075	50.121	ug/l	95
20) Methylene Chloride	4.91	84	1766	4.213	ug/l #	86
25) 2-Butanone	7.17	43	422	7.808	ug/l #	45
26) 2,2-Dichloropropane	7.15	77	290	1.092	ug/l #	52
31) Cyclohexane	7.96	56	897	2.436	ug/l #	84
36) 1,1-Dichloropropene	7.95	75	1630	4.556	ug/l #	44
38) Carbon Tetrachloride	7.95	117	2263	5.813	ug/l #	13
39) Methylcyclohexane	9.33	83	842	1.943	ug/l #	78
48) Methyl methacrylate	9.33	41	459	3.400	ug/l #	64
51) 4-Methyl-2-Pentanone	10.21	43	252	2.029	ug/l #	48
74) N-amyl acetate	12.43	43	19	1.299	ug/l #	41
76) 1,2,3-Trichloropropane	12.62	75	948	109.500	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	948	241.886	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.26	105	83	1.193	ug/l #	31
85) sec-Butylbenzene	13.26	105	83	1.021	ug/l #	54
95) Naphthalene	15.38	128	61	1.455	ug/l #	70

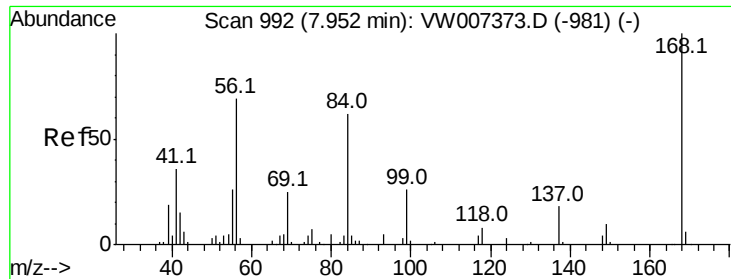
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007464.D

Acq: 13 Dec 2018 03:06

Instrument :

MSVOA_W

ClientSampled :

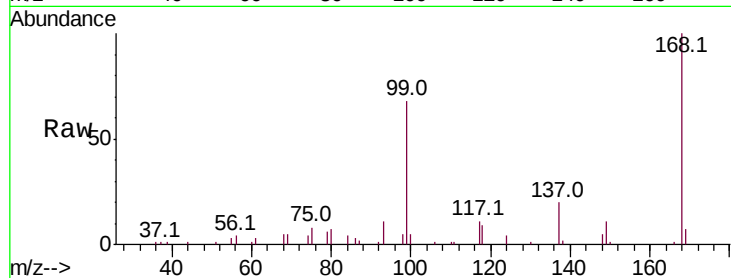
SB-04B

Tot Ion:168 Resp: 21364

Ion Ratio Lower Upper

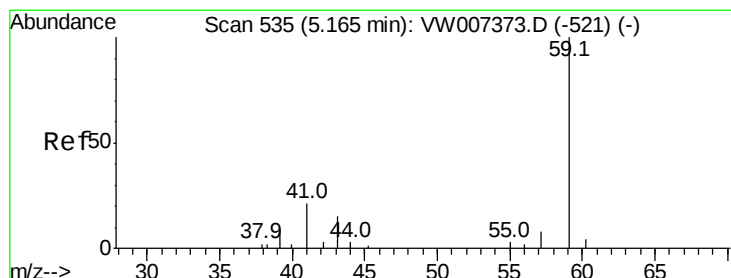
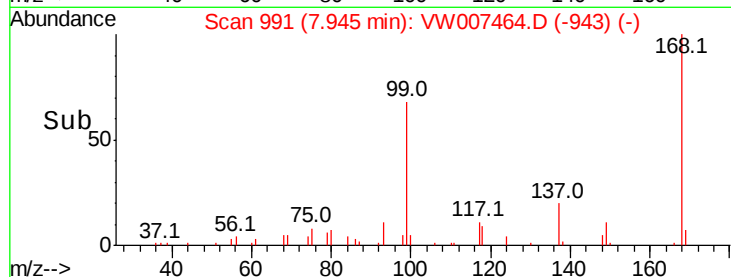
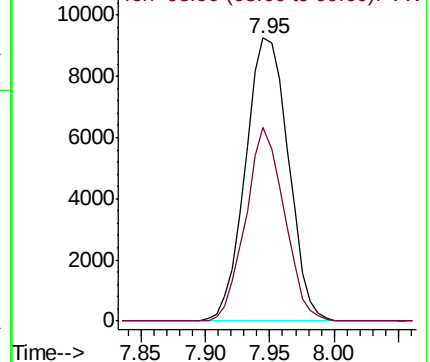
168 100

99 68.4 48.3 72.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 2.273 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.00 min

Lab File: VW007464.D

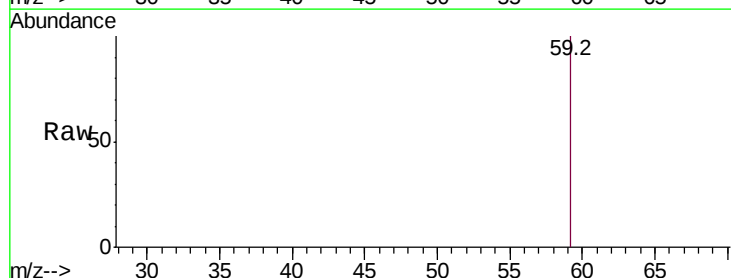
Acq: 13 Dec 2018 03:06

Tgt Ion: 59 Resp: 37

Ion Ratio Lower Upper

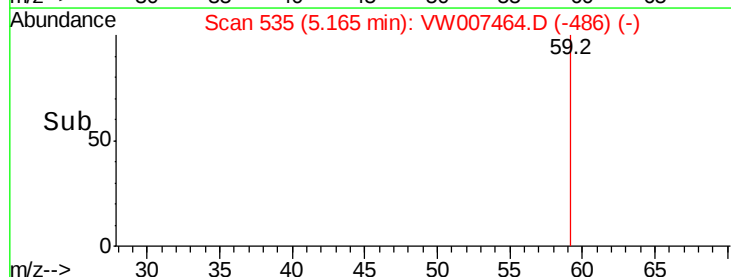
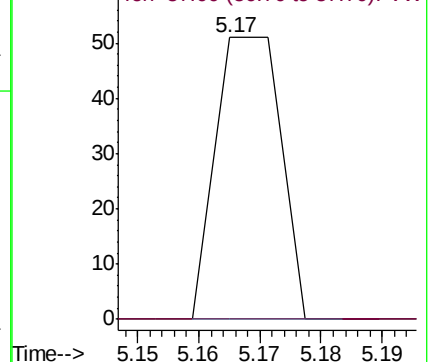
59 100

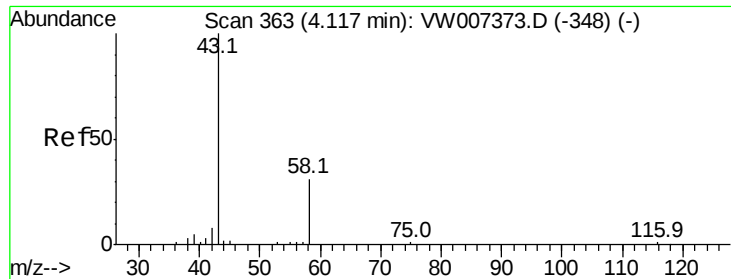
57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 50.121 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW007464.D

Acq: 13 Dec 2018 03:06

Instrument :

MSVOA_W

ClientSampleId :

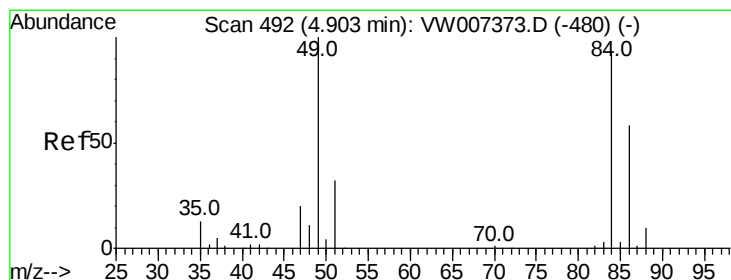
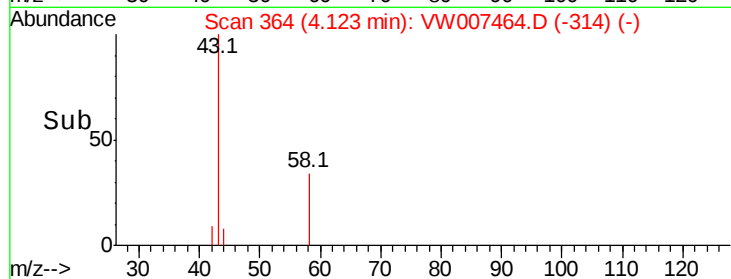
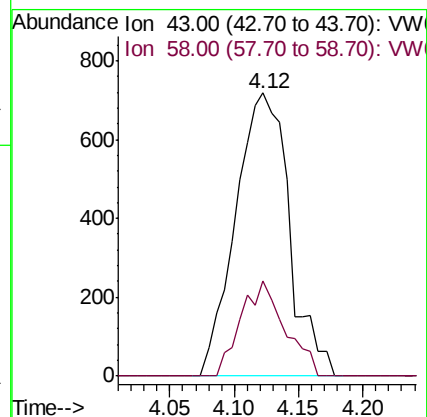
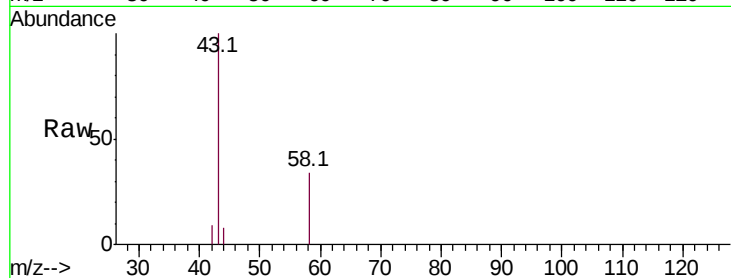
SB-04B

Tot Ion: 43 Resp: 2075

Ion Ratio Lower Upper

43 100

58 33.7 24.9 37.3



#20

Methylene Chloride

Concen: 4.213 ug/l

RT: 4.91 min Scan# 493

Delta R.T. 0.01 min

Lab File: VW007464.D

Acq: 13 Dec 2018 03:06

Tgt Ion: 84 Resp: 1766

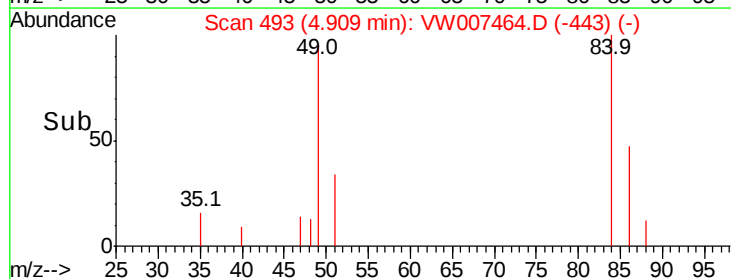
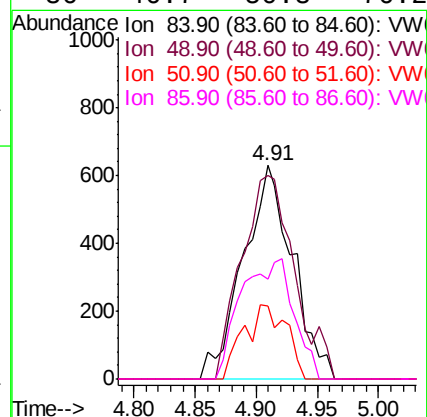
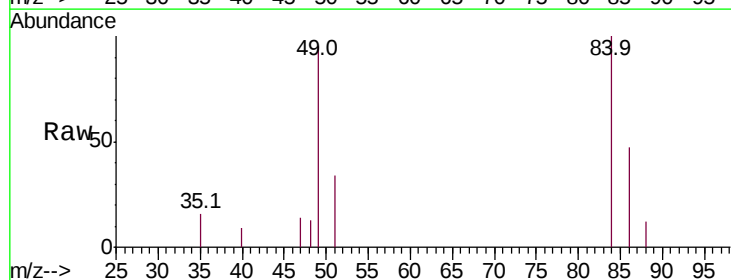
Ion Ratio Lower Upper

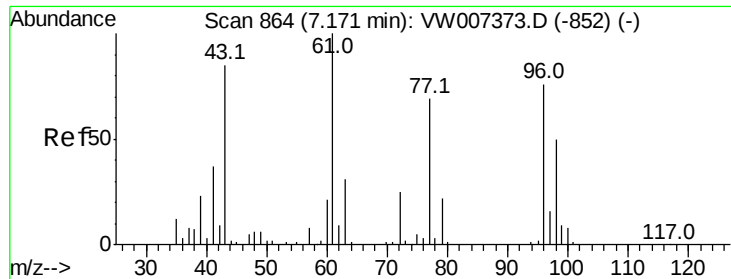
84 100

49 95.1 87.1 130.7

51 34.3 28.2 42.2

86 46.7 50.8 76.2#





#25

2-Butanone

Concen: 7.808 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007464.D

Acq: 13 Dec 2018 03:06

Instrument :

MSVOA_W

ClientSampled :

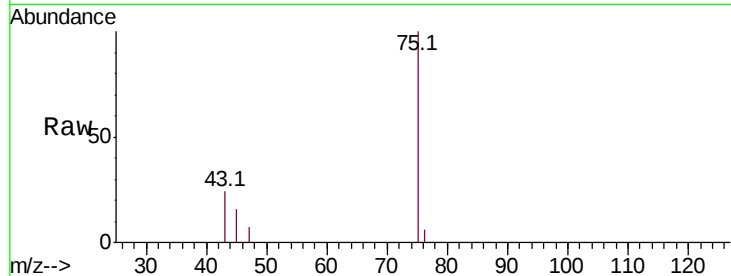
SB-04B

Tot Ion: 43 Resp: 422

Ion Ratio Lower Upper

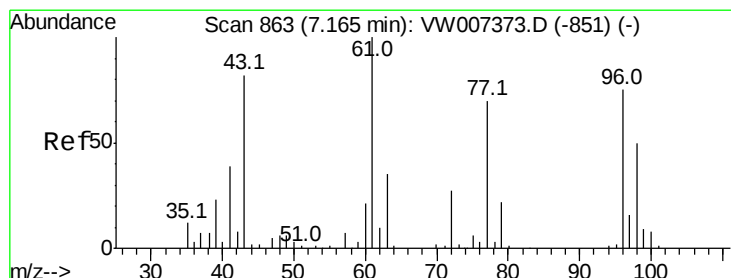
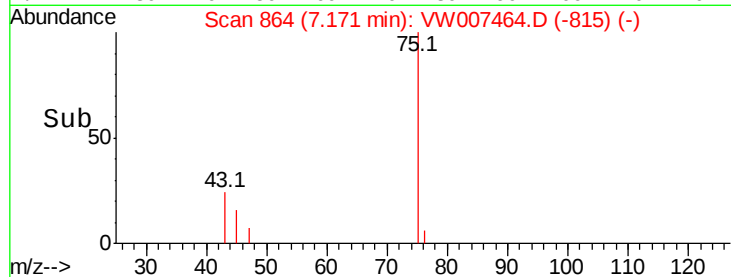
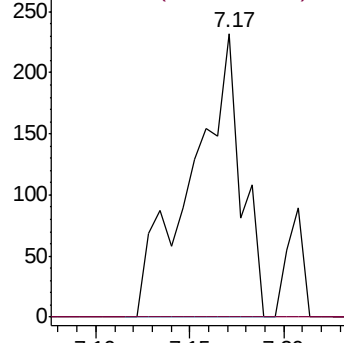
43 100

72 0.0 23.4 35.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 1.092 ug/l

RT: 7.15 min Scan# 860

Delta R.T. -0.02 min

Lab File: VW007464.D

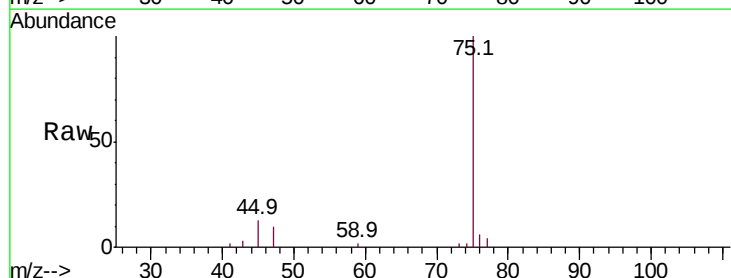
Acq: 13 Dec 2018 03:06

Tgt Ion: 77 Resp: 290

Ion Ratio Lower Upper

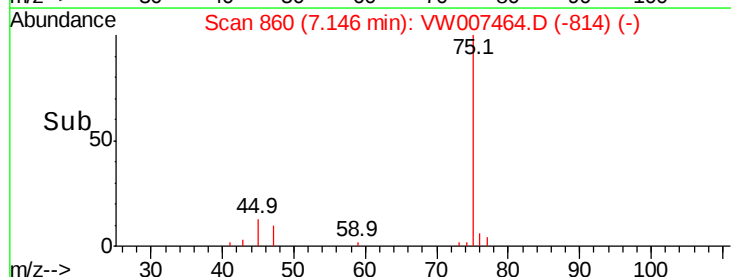
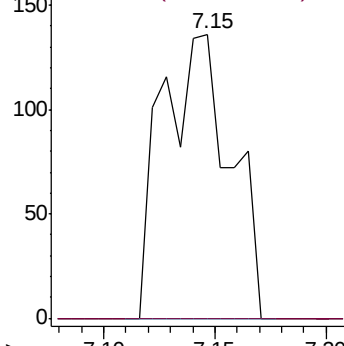
77 100

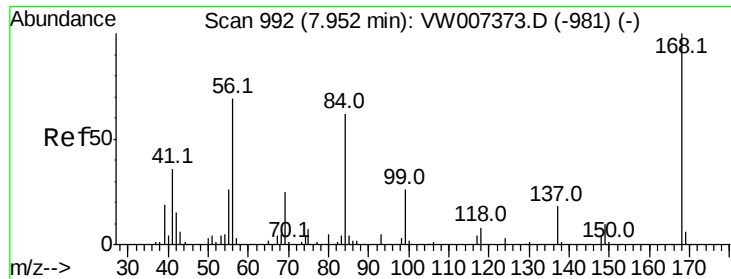
97 0.0 11.6 34.8#



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

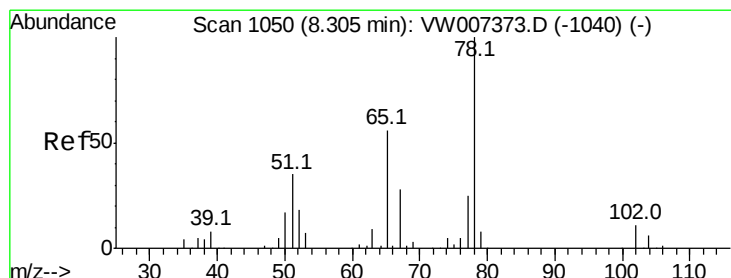
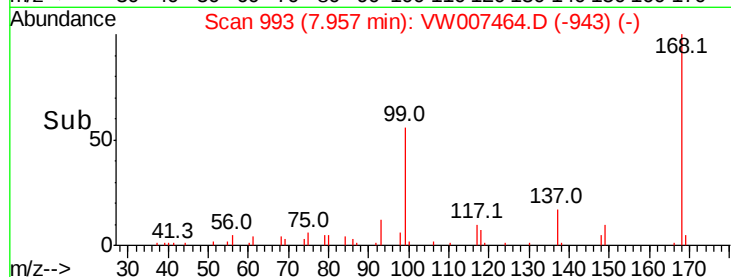
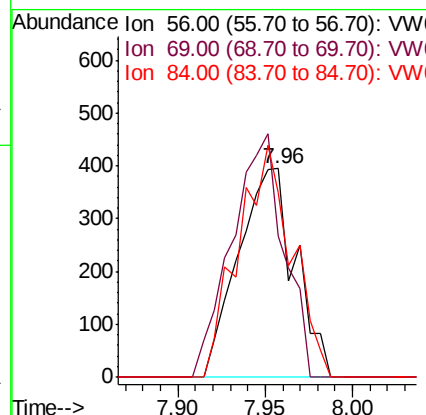
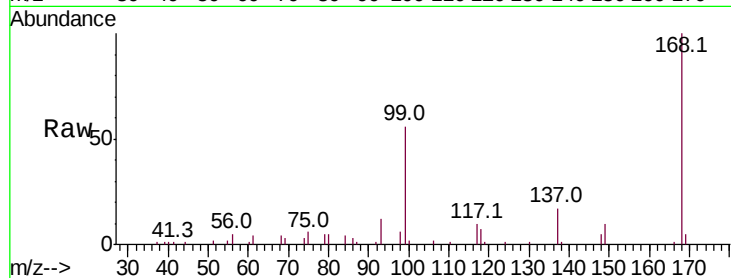




#31
Cyclohexane
Concen: 2.436 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW007464.D
Acq: 13 Dec 2018 03:06

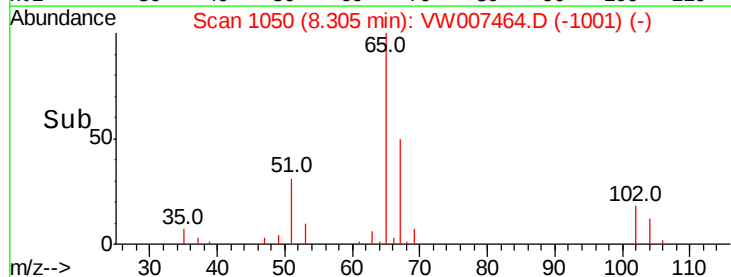
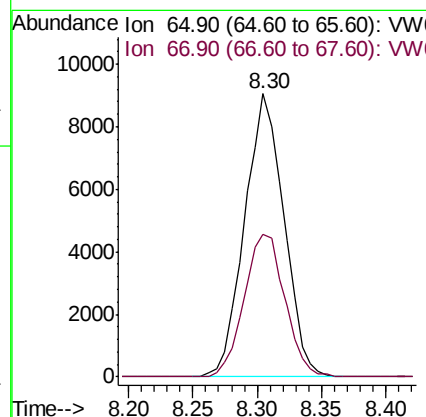
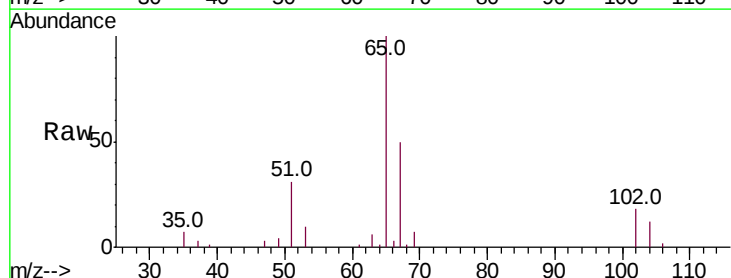
Instrument :
MSVOA_W
ClientSampled :
SB-04B

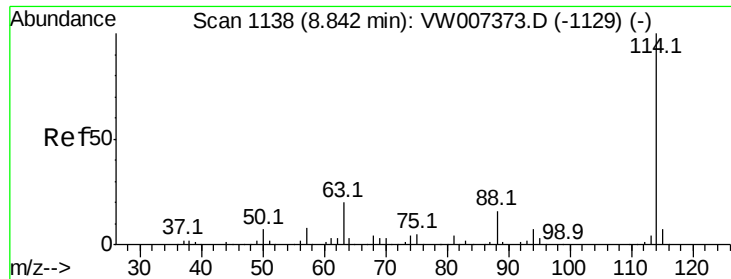
Tot Ion: 56 Resp: 897
Ion Ratio Lower Upper
56 100
69 67.3 28.9 43.3#
84 88.4 71.8 107.6



#33
1,2-Dichloroethane-d4
Concen: 80.560 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW007464.D
Acq: 13 Dec 2018 03:06

Tgt Ion: 65 Resp: 19094
Ion Ratio Lower Upper
65 100
67 52.1 0.0 101.6

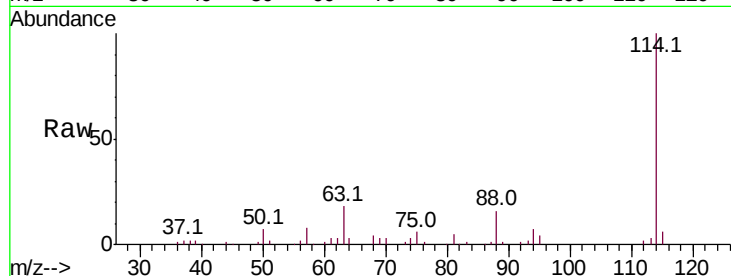




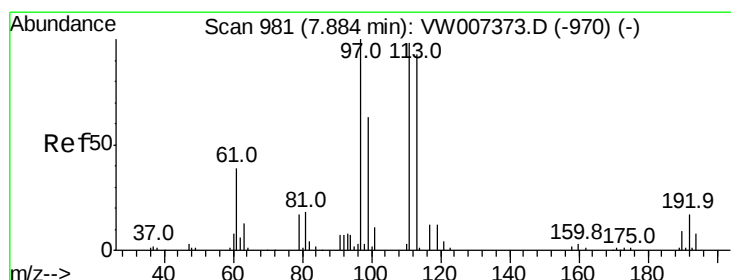
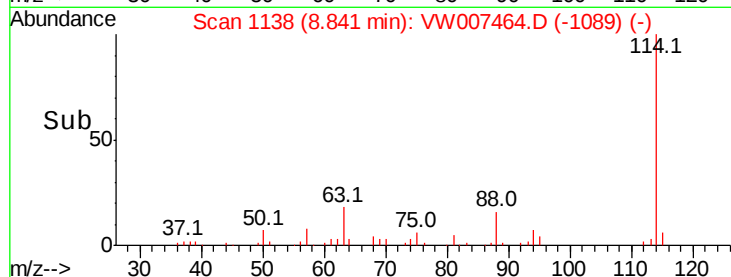
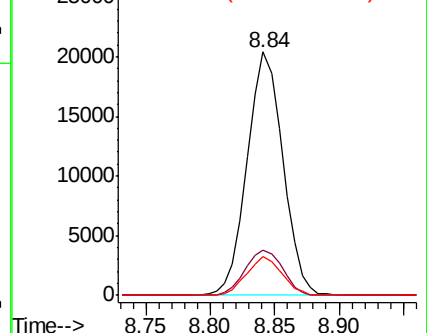
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007464.D
 Acq: 13 Dec 2018 03:06

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-04B

Tot Ion:114 Resp: 39223
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 39.6
 88 15.7 0.0 31.4

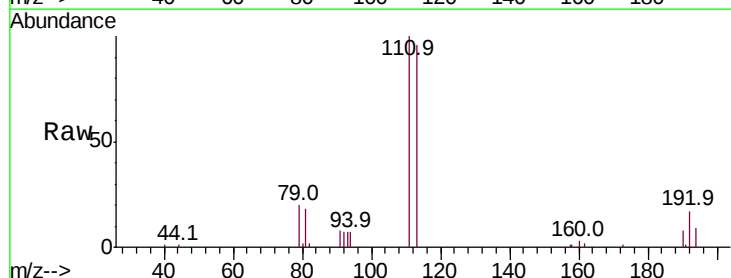


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

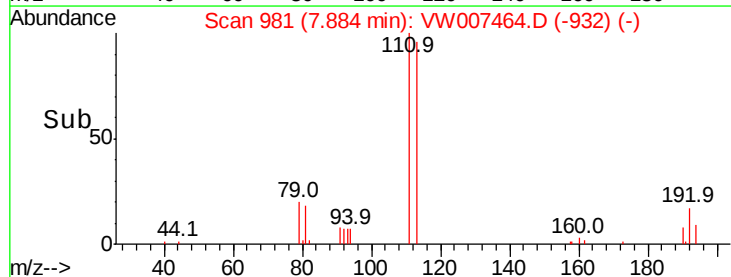
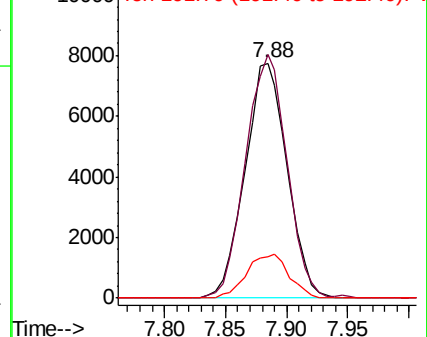


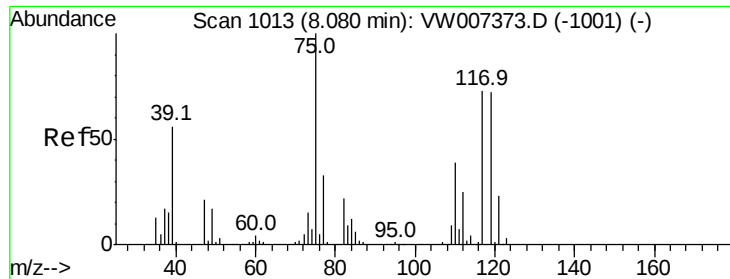
#35
 Dibromofluoromethane
 Concen: 78.191 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007464.D
 Acq: 13 Dec 2018 03:06

Tgt Ion:113 Resp: 18565
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.1 121.7
 192 18.5 14.6 21.8



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

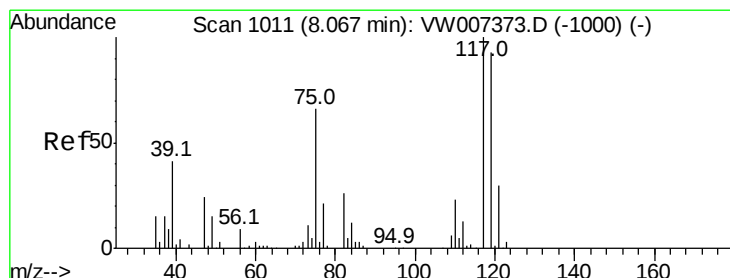
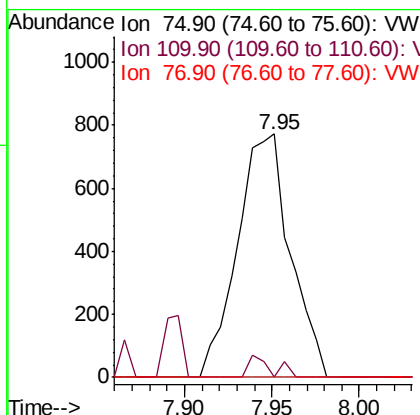
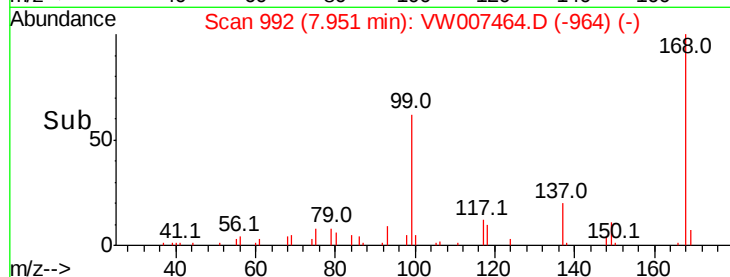
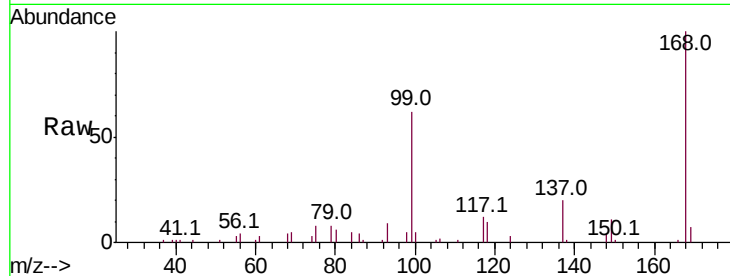




#36
 1,1-Dichloropropene
 Concen: 4.556 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW007464.D
 Acq: 13 Dec 2018 03:06

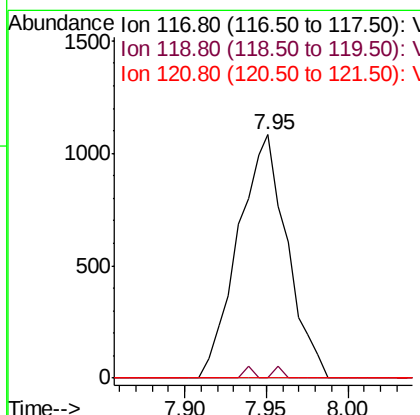
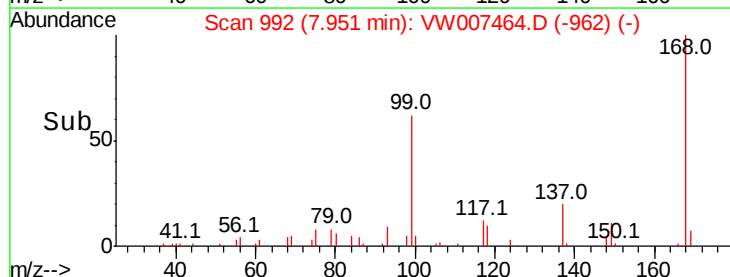
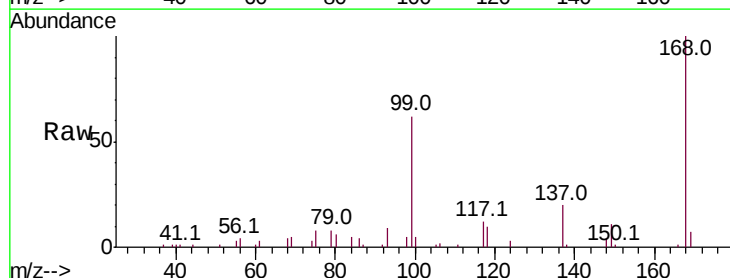
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-04B

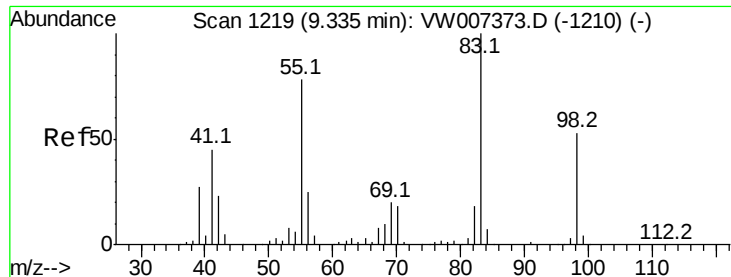
Tot Ion	Ratio	Lower	Upper
75	100		
110	3.9	18.5	55.5#
77	0.0	25.6	38.4#



#38
 Carbon Tetrachloride
 Concen: 5.813 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW007464.D
 Acq: 13 Dec 2018 03:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	0.0	74.3	111.5#
121	0.0	24.3	36.5#

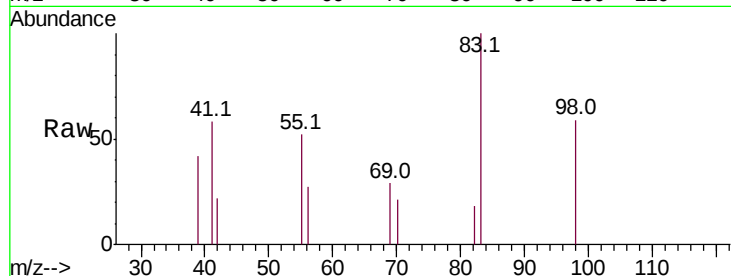




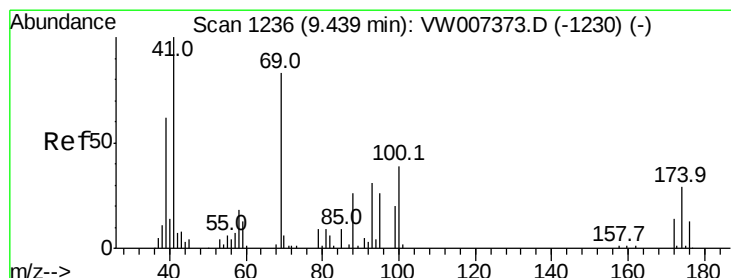
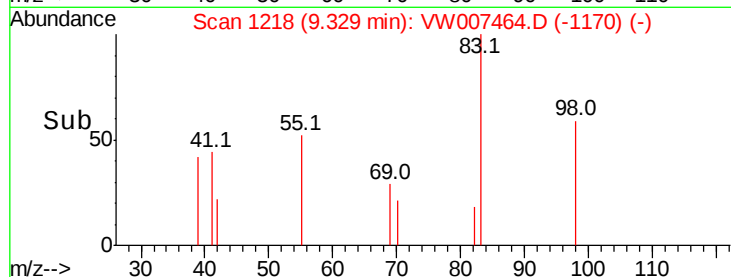
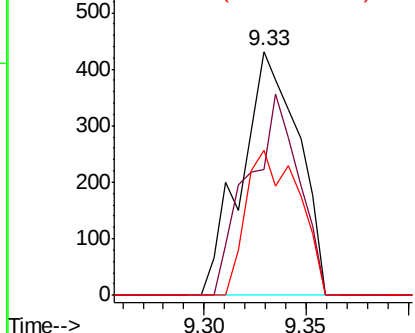
#39
Methylcyclohexane
Concen: 1.943 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW007464.D
Acq: 13 Dec 2018 03:06

Instrument :
MSVOA_W
ClientSampleId :
SB-04B

Tot Ion: 83 Resp: 842
Ion Ratio Lower Upper
83 100
55 51.7 62.8 94.2#
98 59.4 42.2 63.2

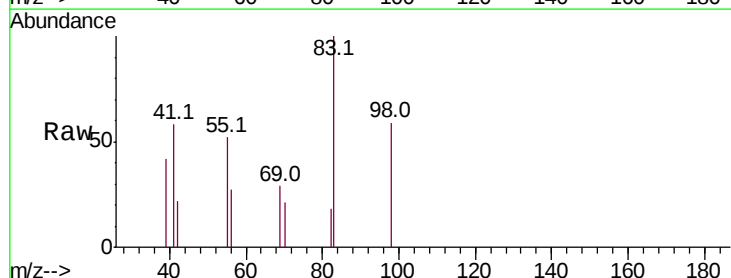


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

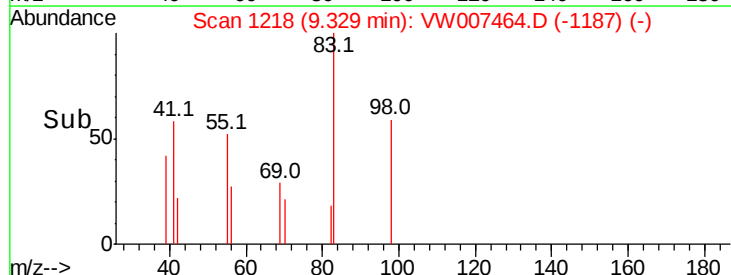
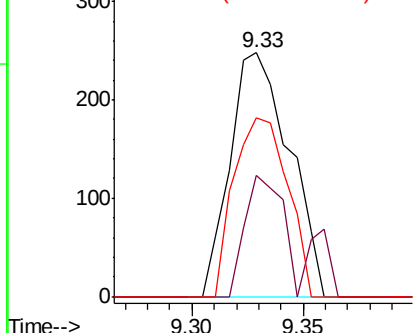


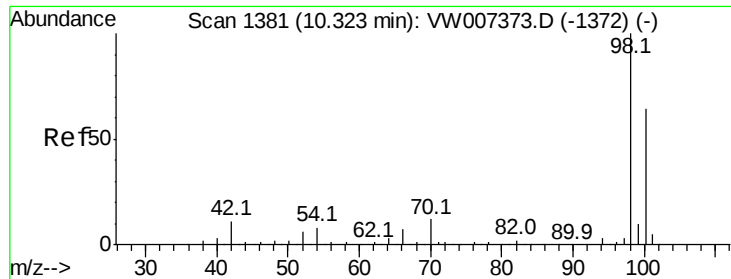
#48
Methyl methacrylate
Concen: 3.400 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.11 min
Lab File: VW007464.D
Acq: 13 Dec 2018 03:06

Tgt Ion: 41 Resp: 459
Ion Ratio Lower Upper
41 100
69 32.0 69.8 104.8#
39 66.2 50.9 76.3



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW





#50

Toluene-d8

Concen: 26.256 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW007464.D

Acq: 13 Dec 2018 03:06

Instrument :

MSVOA_W

ClientSampled :

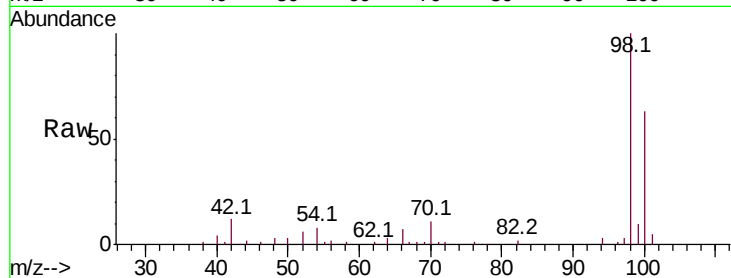
SB-04B

Tot Ion: 98 Resp: 23374

Ion Ratio Lower Upper

98 100

100 65.3 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

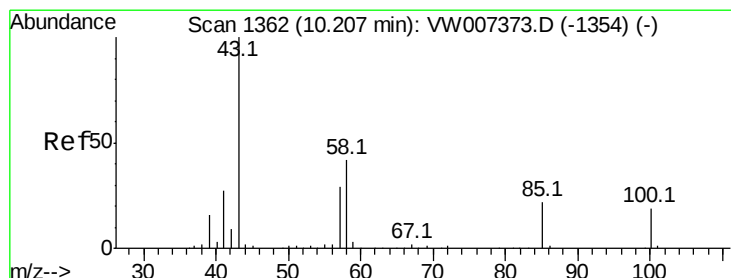
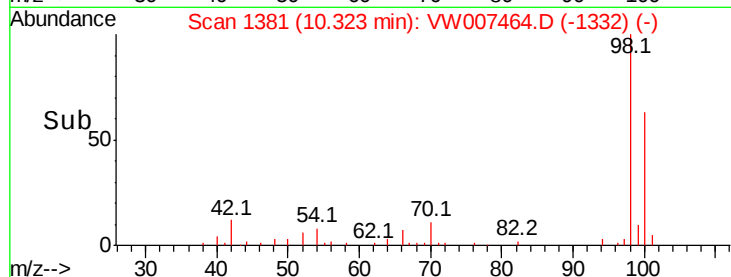
15000

10000

5000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 2.029 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW007464.D

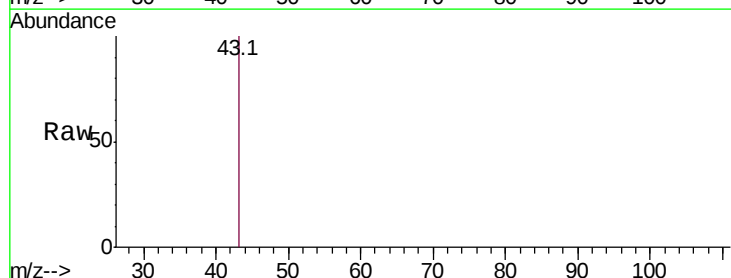
Acq: 13 Dec 2018 03:06

Tgt Ion: 43 Resp: 252

Ion Ratio Lower Upper

43 100

58 8.7 33.1 49.7#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

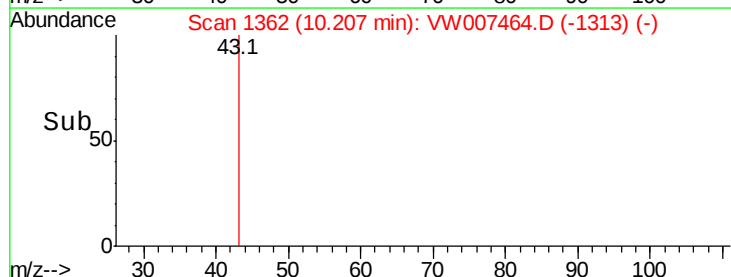
150

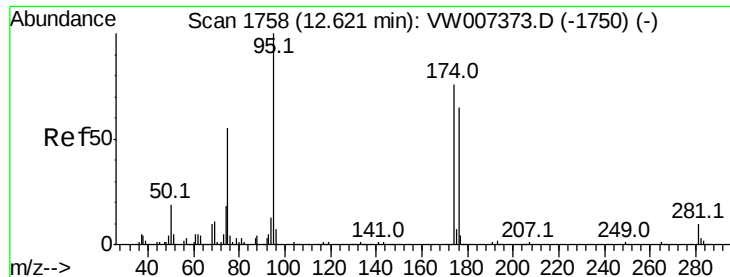
100

50

0

Time-->

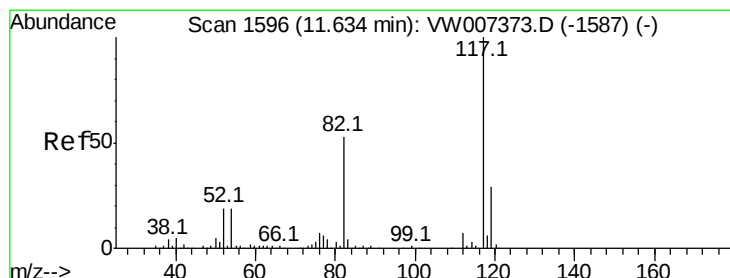
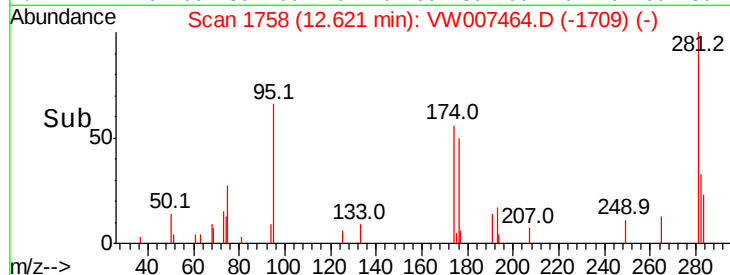
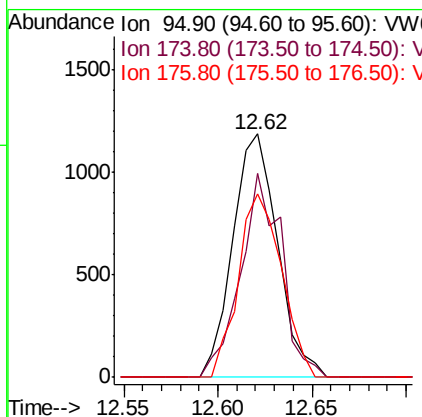
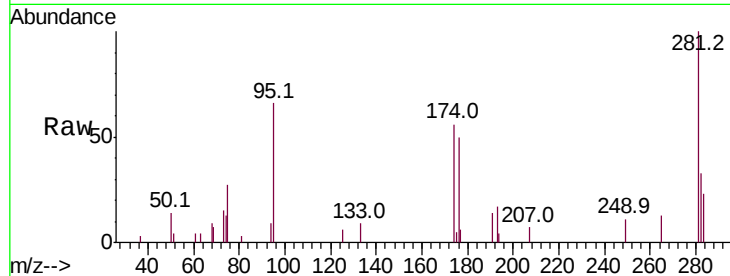




#62
4-Bromofluorobenzene
Concen: 5.982 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007464.D
Acq: 13 Dec 2018 03:06

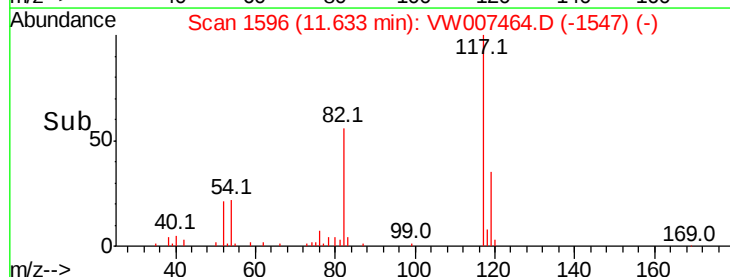
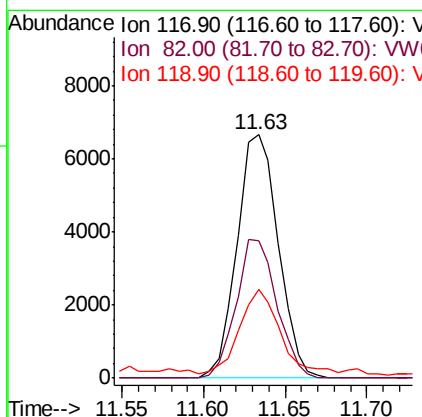
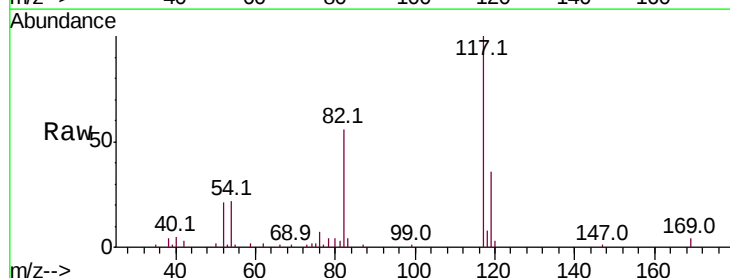
Instrument :
MSVOA_W
ClientSampleId :
SB-04B

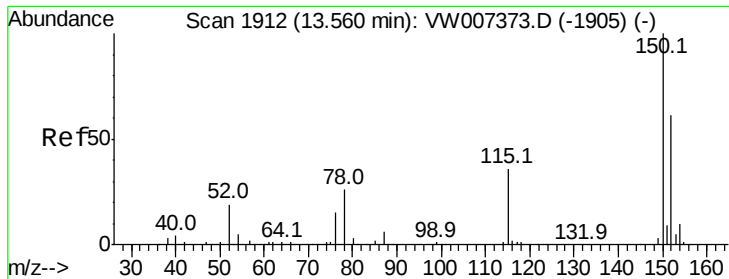
Tot Ion: 95 Resp: 1958
Ion Ratio Lower Upper
95 100
174 76.5 0.0 147.2
176 72.7 0.0 138.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007464.D
Acq: 13 Dec 2018 03:06

Tgt Ion: 117 Resp: 11730
Ion Ratio Lower Upper
117 100
82 56.2 42.3 63.5
119 34.0 23.0 34.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007464.D

Acq: 13 Dec 2018 03:06

Instrument :

MSVOA_W

ClientSampleId :

SB-04B

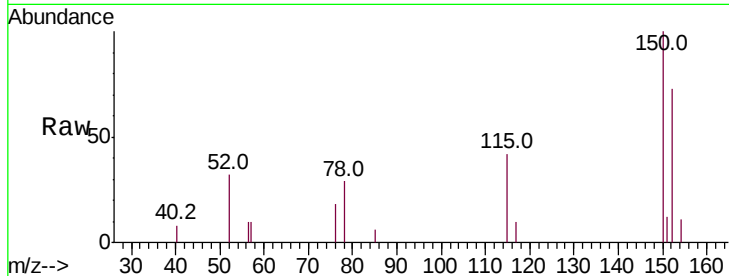
Tot Ion:152 Resp: 1050

Ion Ratio Lower Upper

152 100

115 65.0 31.4 94.2

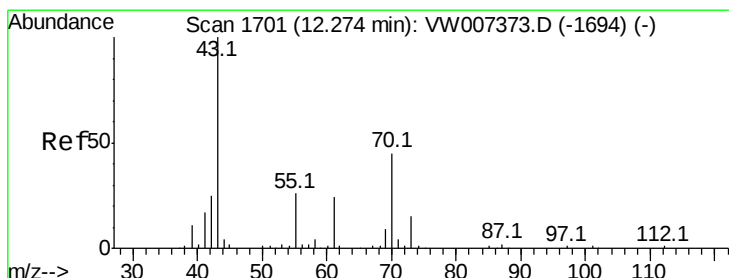
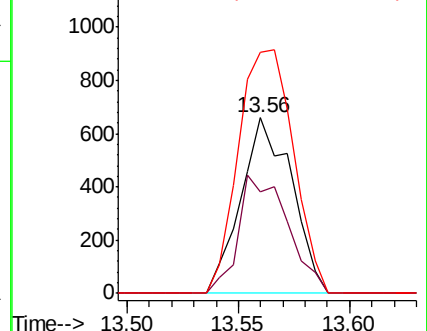
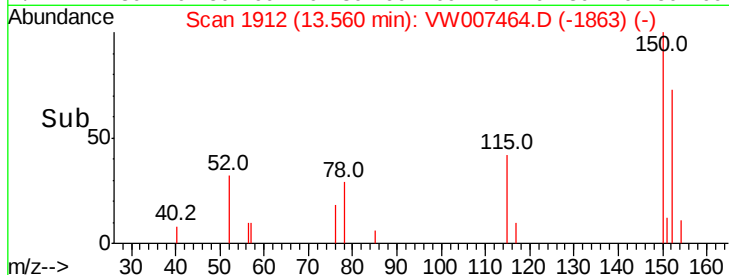
150 150.2 0.0 358.4



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



#74

N-ethyl acetate

Concen: 1.299 ug/l

RT: 12.43 min Scan# 1726

Delta R.T. 0.15 min

Lab File: VW007464.D

Acq: 13 Dec 2018 03:06

Tgt Ion: 43 Resp: 19

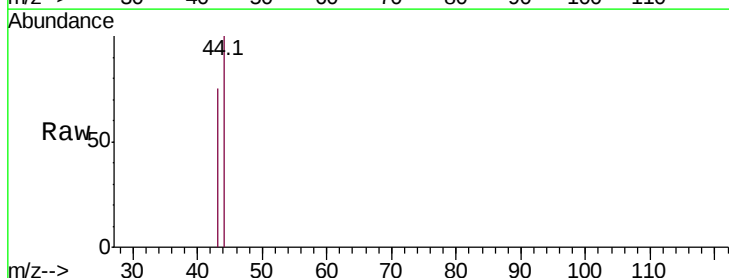
Ion Ratio Lower Upper

43 100

70 0.0 36.5 54.7#

55 0.0 20.1 30.1#

61 0.0 19.3 28.9#

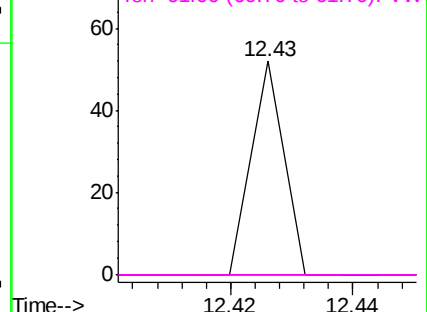
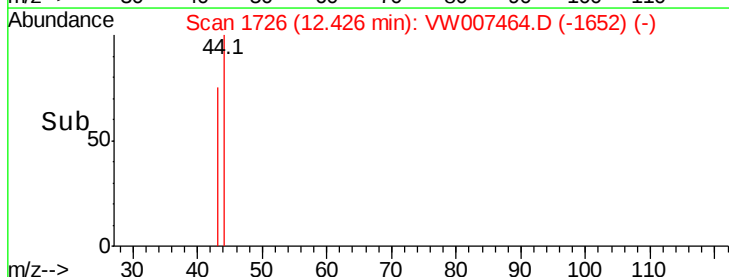


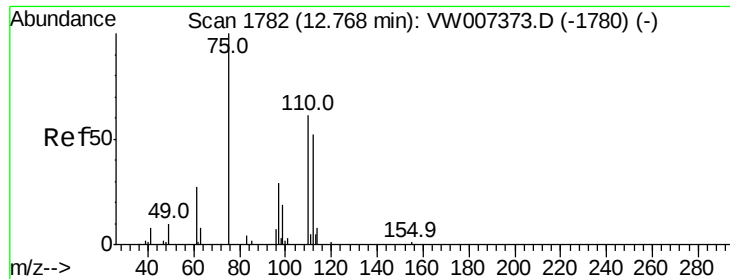
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 109.500 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW007464.D

Acq: 13 Dec 2018 03:06

Instrument :

MSVOA_W

ClientSampleId :

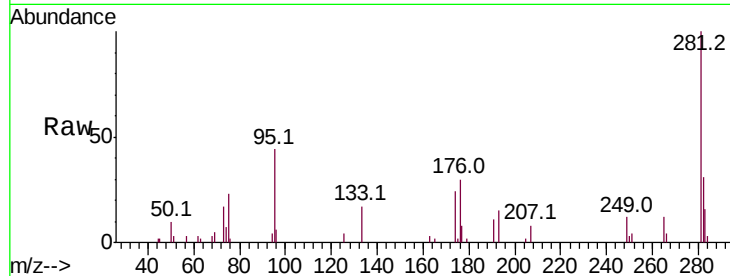
SB-04B

Tot Ion: 75 Resp: 948

Ion Ratio Lower Upper

75 100

77 0.0 166.9 500.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

12.62

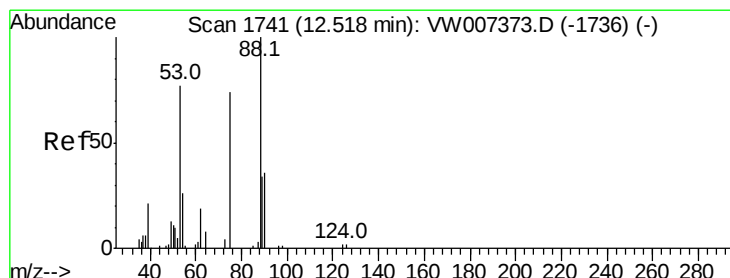
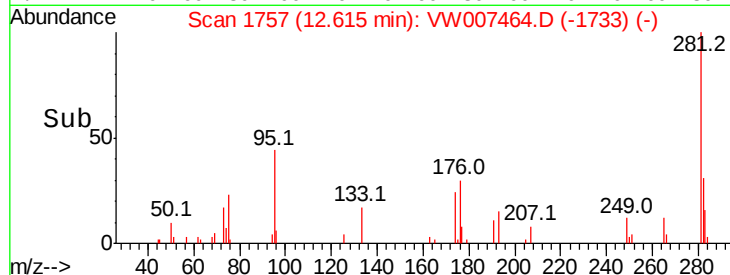
400

200

0

12.60 12.65

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 241.886 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW007464.D

Acq: 13 Dec 2018 03:06

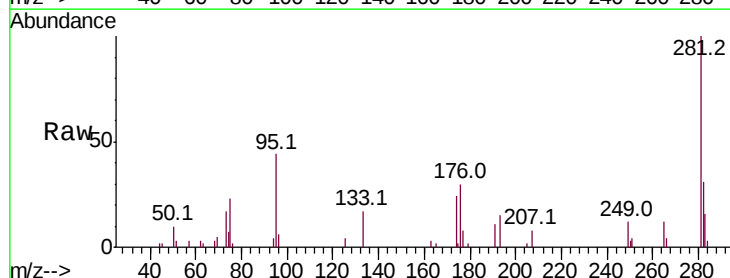
Tgt Ion: 75 Resp: 948

Ion Ratio Lower Upper

75 100

53 0.0 84.9 127.3#

89 0.0 40.3 60.5#



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

12.62

800

600

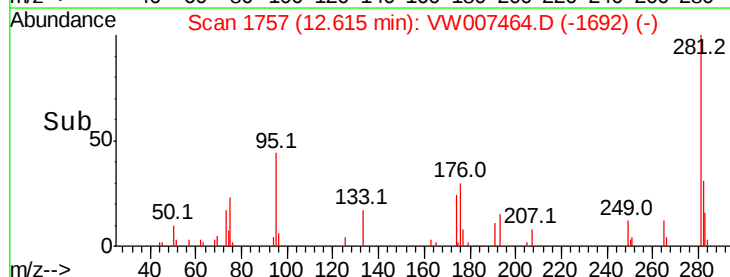
400

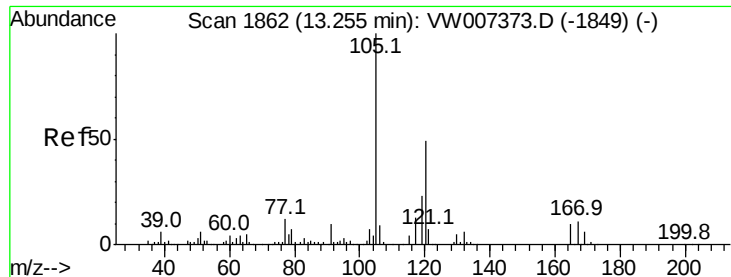
200

0

12.60 12.65

Time-->





#84

1,2,4-Trimethylbenzene

Concen: 1.193 ug/l

RT: 13.26 min Scan# 1863

Delta R.T. 0.01 min

Lab File: VW007464.D

Acq: 13 Dec 2018 03:06

Instrument :

MSVOA_W

ClientSampleId :

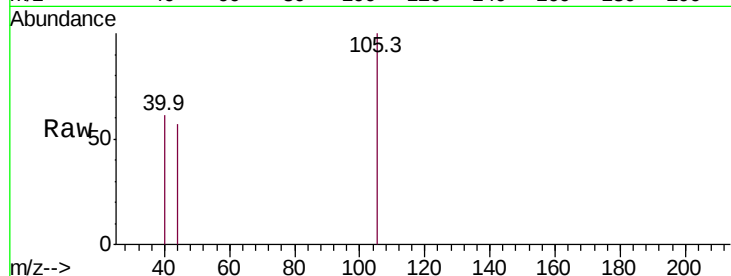
SB-04B

Tot Ion:105 Resp: 83

Ion Ratio Lower Upper

105 100

120 0.0 22.6 67.7#



Abundance Ion 105.00 (104.70 to 105.70): V

120 Ion 120.00 (119.70 to 120.70): V

100

13.26

80

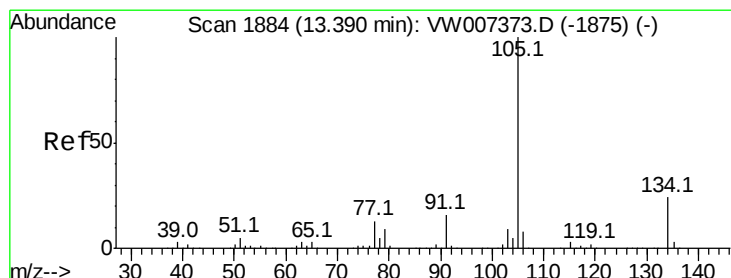
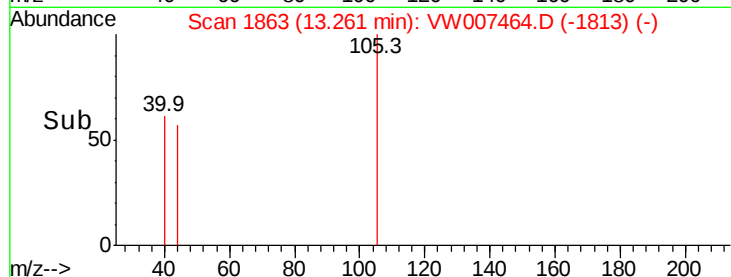
60

40

20

0

Time--> 13.22 13.24 13.26 13.28



#85

sec-Butylbenzene

Concen: 1.021 ug/l

RT: 13.26 min Scan# 1863

Delta R.T. -0.13 min

Lab File: VW007464.D

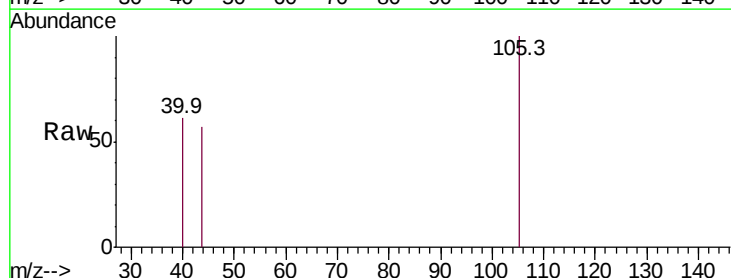
Acq: 13 Dec 2018 03:06

Tgt Ion:105 Resp: 83

Ion Ratio Lower Upper

105 100

134 0.0 11.1 33.3#



Abundance Ion 105.00 (104.70 to 105.70): V

120 Ion 134.00 (133.70 to 134.70): V

100

13.26

80

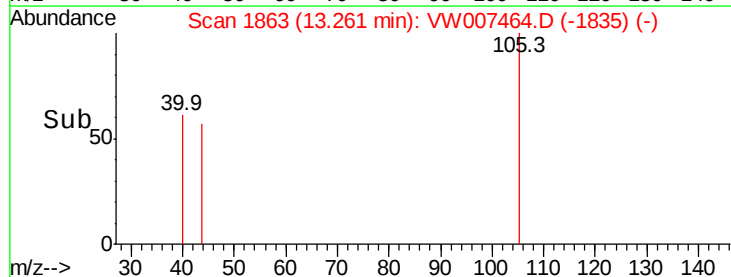
60

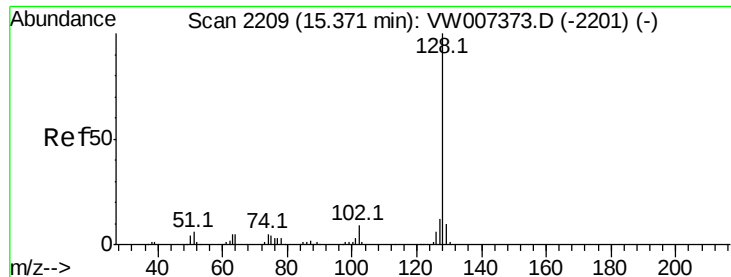
40

20

0

Time--> 13.22 13.24 13.26 13.28





#95

Naphthalene

Concen: 1.455 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW007464.D

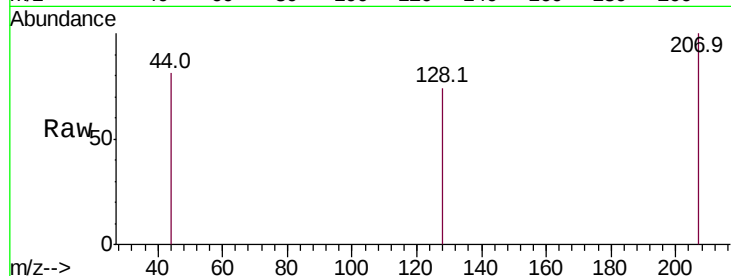
Acq: 13 Dec 2018 03:06

Instrument :

MSVOA_W

ClientSampleId :

SB-04B



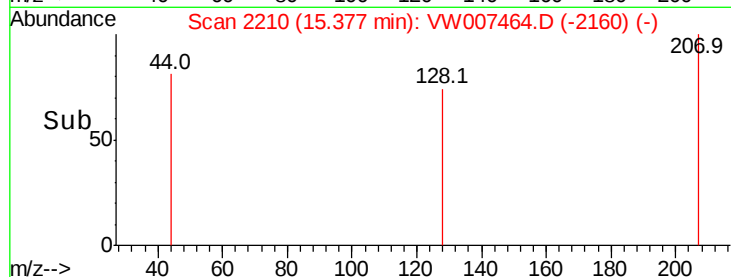
Tot Ion:128 Resp: 61

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 8.3 12.5#



Abundance Ion 128.00 (127.70 to 128.70): V

80 Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

