

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122518\
 Data File : VW007901.D
 Acq On : 24 Dec 2018 20:36
 Operator : SY/AP
 Sample : J6447-02
 Misc : 3.51G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Dec 25 02:05:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

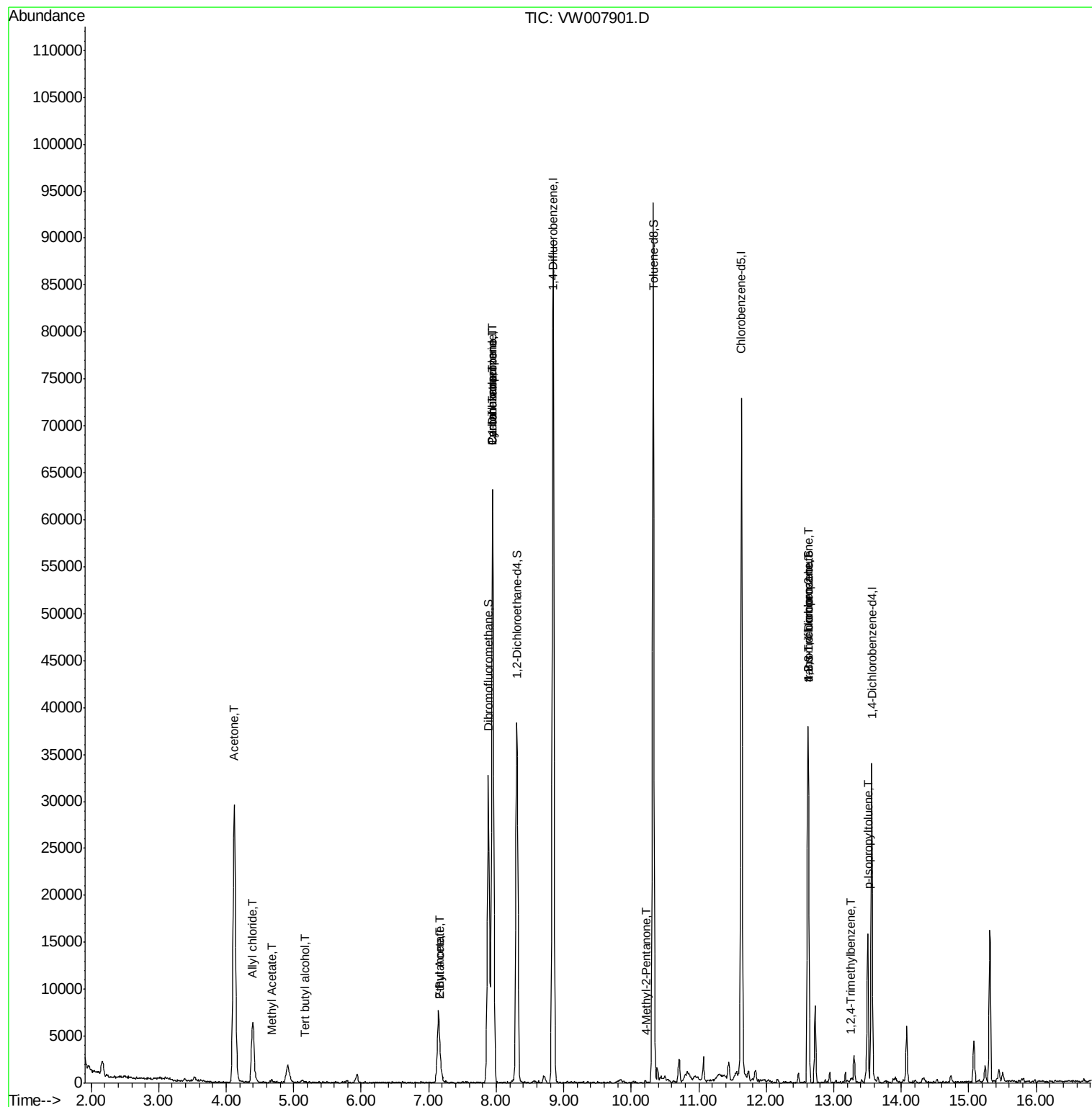
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	45858	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	75817	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	40215	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	8615	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	31691	63.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	126.10%	
35) Dibromofluoromethane	7.88	113	24679	53.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.72%	
50) Toluene-d8	10.32	98	61780	35.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	70.86%	
62) 4-Bromofluorobenzene	12.62	95	11740	17.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	34.86%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.17	59	136	4.011	ug/l #	73
14) Allyl chloride	4.39	41	903	1.522	ug/l #	77
16) Acetone	4.12	43	51416	546.274	ug/l	94
18) Methyl Acetate	4.68	43	609	2.721	ug/l #	62
20) Methylene Chloride	4.92	84	1791	Below Cal	#	89
25) 2-Butanone	7.17	43	1361	12.345	ug/l	91
31) Cyclohexane	7.95	56	913	1.220	ug/l #	43
36) 1,1-Dichloropropene	7.95	75	3740	5.111	ug/l #	51
37) Ethyl Acetate	7.17	43	1361	5.389	ug/l #	68
38) Carbon Tetrachloride	7.94	117	5169	5.998	ug/l #	11
51) 4-Methyl-2-Pentanone	10.22	43	265	1.108	ug/l #	86
76) 1,2,3-Trichloropropane	12.62	75	6083	91.356	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	6083	191.762	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.26	105	642	1.133	ug/l	71
86) p-Isopropyltoluene	13.50	119	9183	14.868	ug/l	98

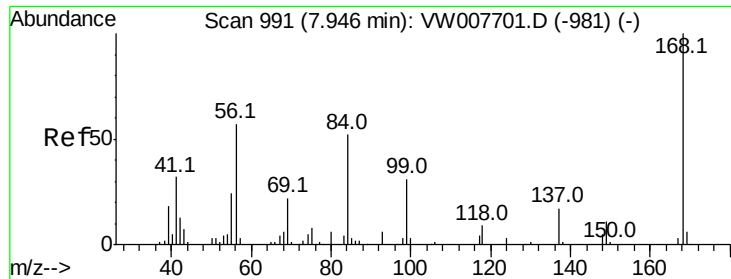
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Dec 20 06:30:23 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW007901.D

Acq: 24 Dec 2018 20:36

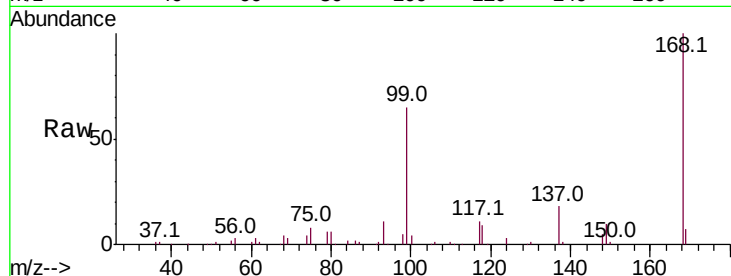
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 45858

Ion Ratio Lower Upper

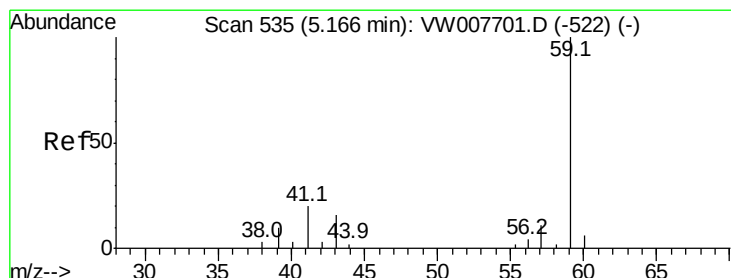
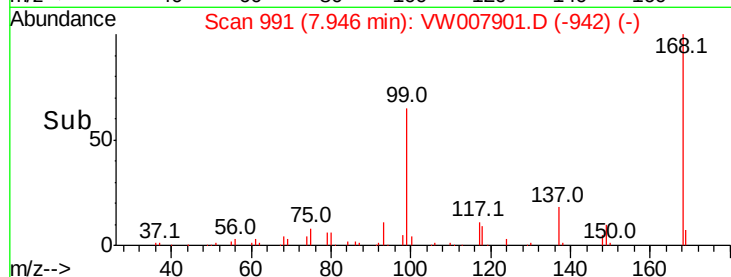
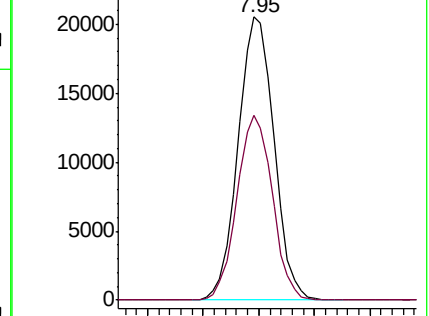
168 100

99 65.1 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 4.011 ug/l

RT: 5.17 min Scan# 536

Delta R.T. 0.01 min

Lab File: VW007901.D

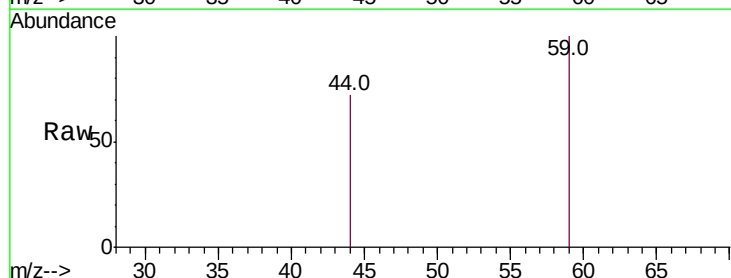
Acq: 24 Dec 2018 20:36

Tgt Ion: 59 Resp: 136

Ion Ratio Lower Upper

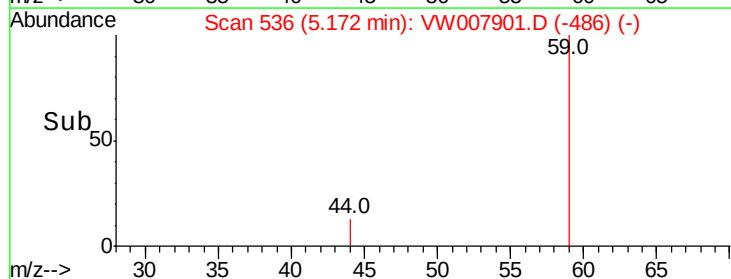
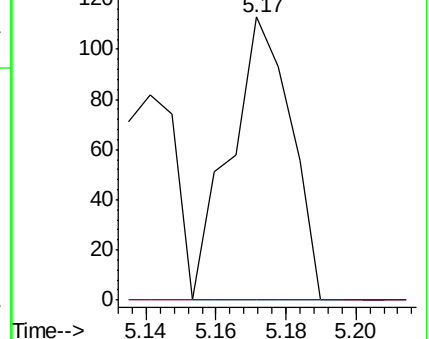
59 100

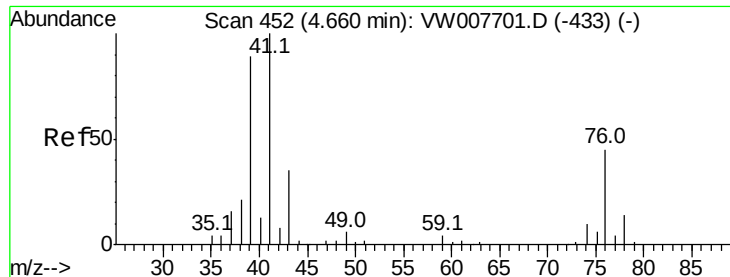
57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

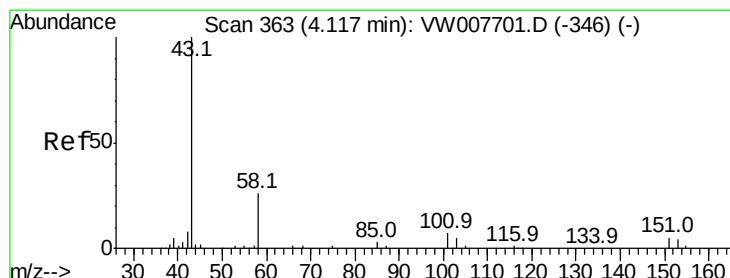
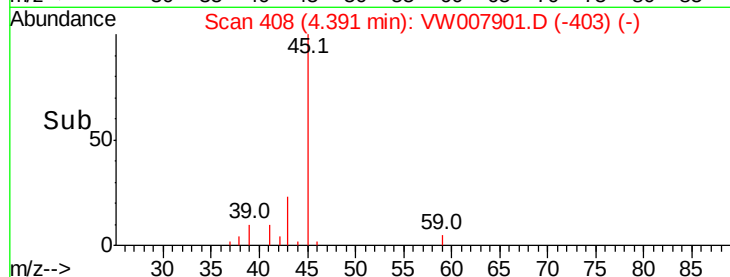
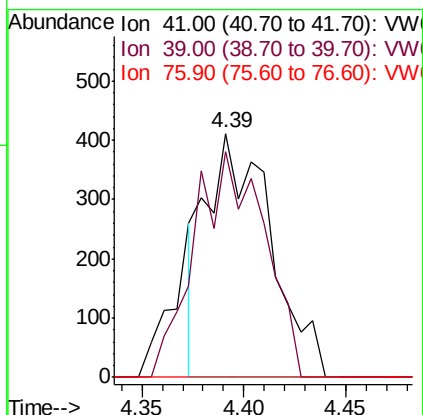
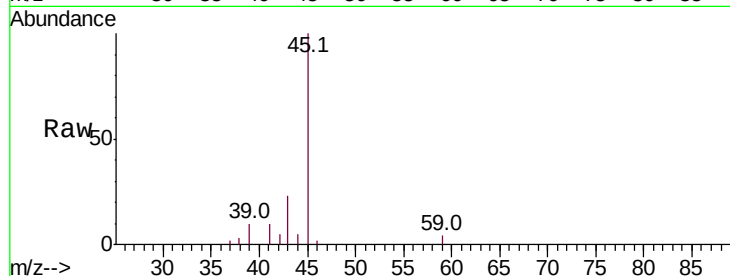




#14
Allvl chloride
Concen: 1.522 ug/l
RT: 4.39 min Scan# 408
Delta R.T. -0.27 min
Lab File: VW007901.D
Acq: 24 Dec 2018 20:36

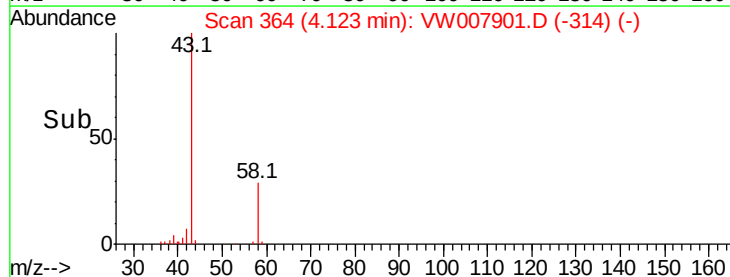
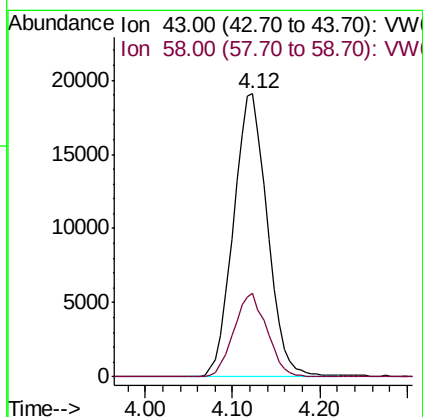
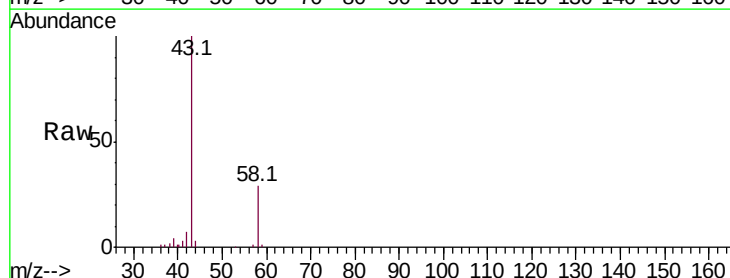
Instrument :
MSVOA_W
ClientSampleId :

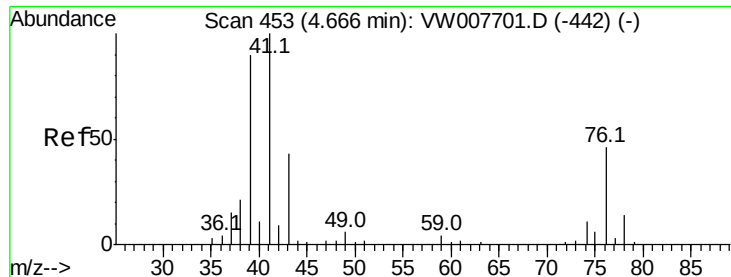
Tot Ion: 41 Resp: 903
Ion Ratio Lower Upper
41 100
39 87.3 69.5 104.3
76 0.0 34.8 52.2#



#16
Acetone
Concen: 546.274 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW007901.D
Acq: 24 Dec 2018 20:36

Tgt Ion: 43 Resp: 51416
Ion Ratio Lower Upper
43 100
58 29.4 21.2 31.8





#18

Methyl Acetate

Concen: 2.721 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW007901.D

Acq: 24 Dec 2018 20:36

Instrument :

MSVOA_W

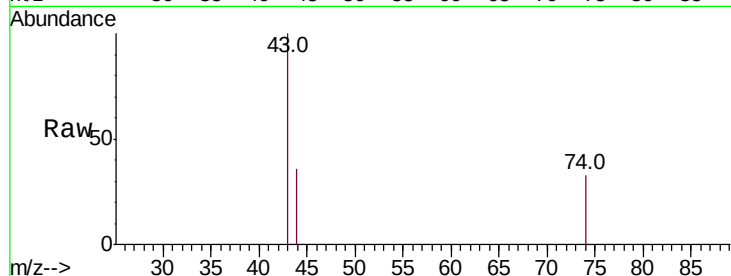
ClientSampled :

Tot Ion: 43 Resp: 609

Ion Ratio Lower Upper

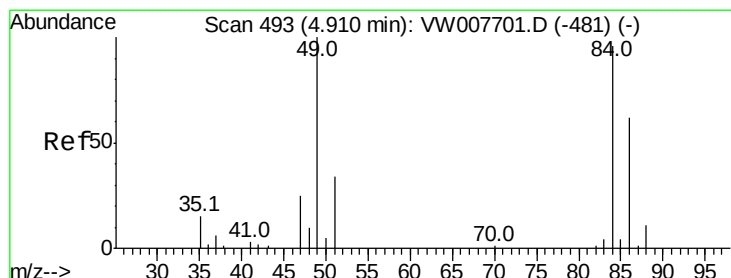
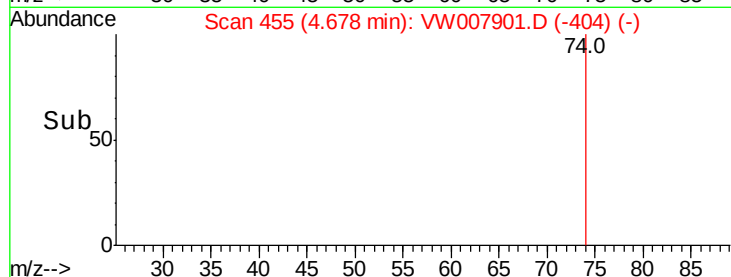
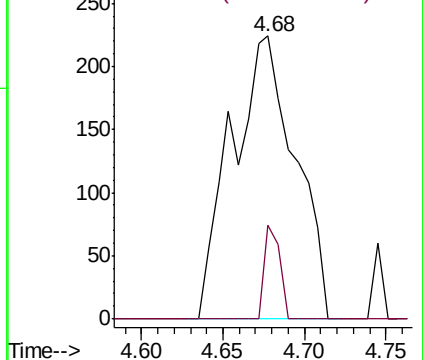
43 100

74 8.0 22.7 34.1#



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: 4.92 min Scan# 494

Delta R.T. 0.01 min

Lab File: VW007901.D

Acq: 24 Dec 2018 20:36

Tgt Ion: 84 Resp: 1791

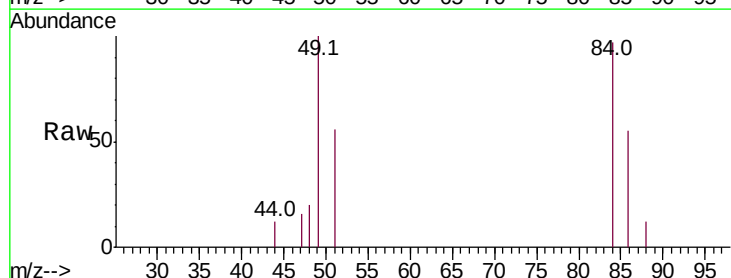
Ion Ratio Lower Upper

84 100

49 102.8 83.7 125.5

51 57.8 28.2 42.2#

86 56.4 52.2 78.2

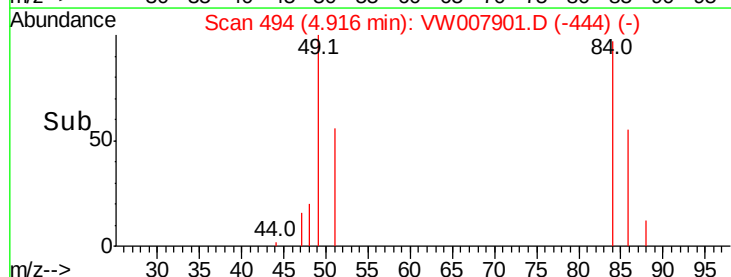
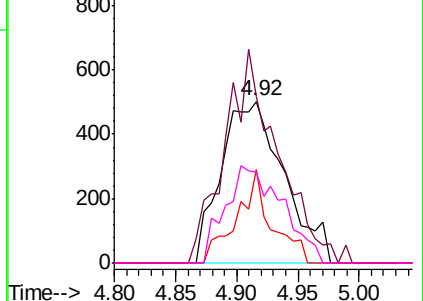


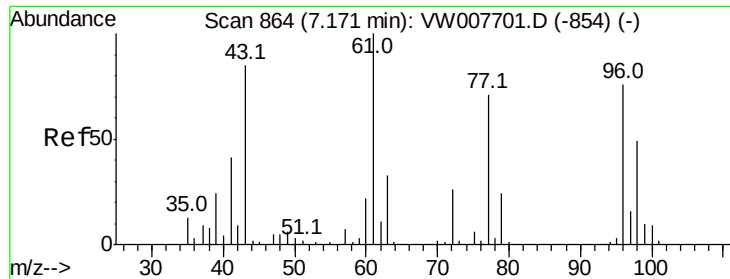
Abundance Ion 83.90 (83.60 to 84.60): VW

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: 12.345 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007901.D

Acq: 24 Dec 2018 20:36

Instrument :

MSVOA_W

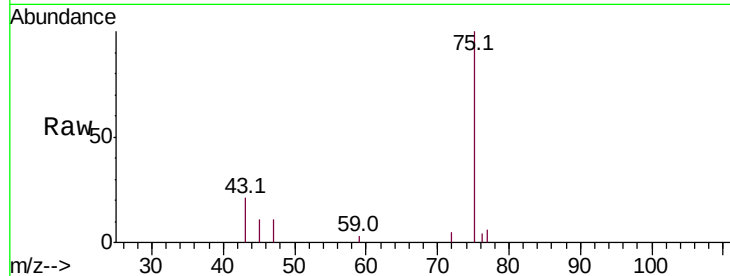
ClientSampled :

Tot Ion: 43 Resp: 1361

Ion Ratio Lower Upper

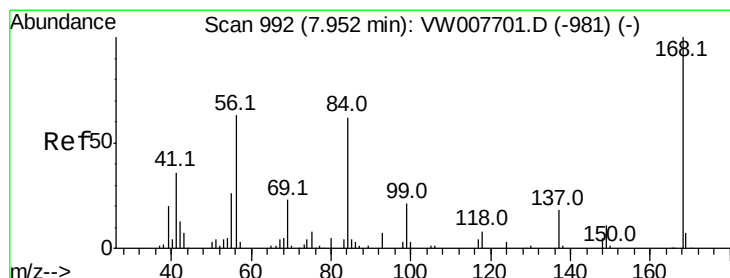
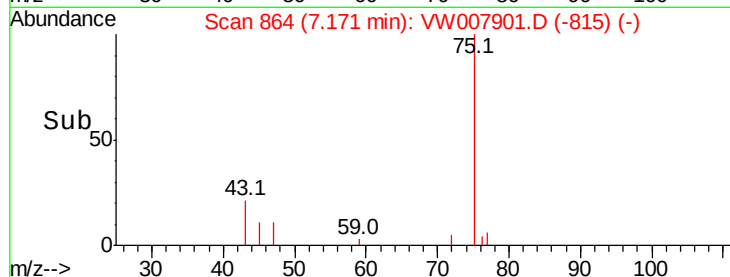
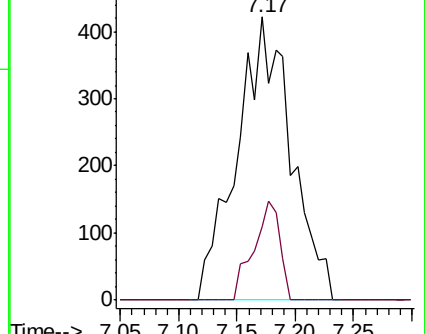
43 100

72 25.8 24.5 36.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#31

Cyclohexane

Concen: 1.220 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007901.D

Acq: 24 Dec 2018 20:36

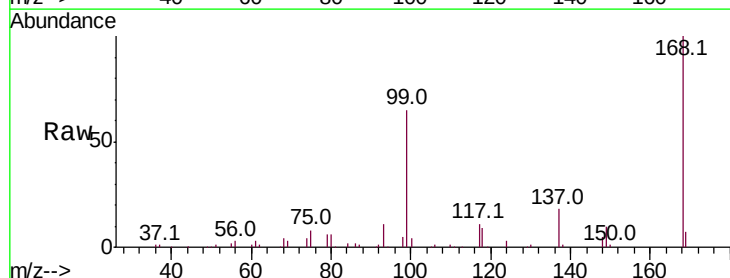
Tgt Ion: 56 Resp: 913

Ion Ratio Lower Upper

56 100

69 132.6 29.7 44.5#

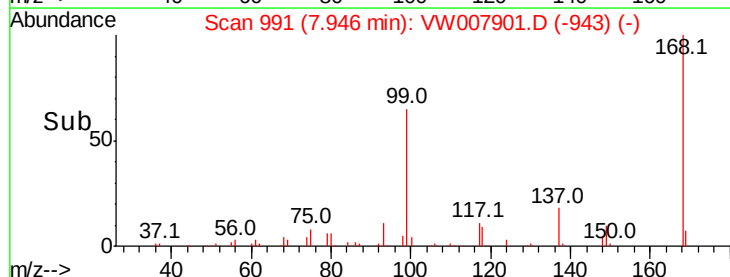
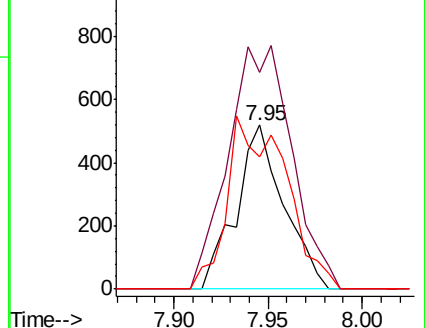
84 80.7 78.9 118.3

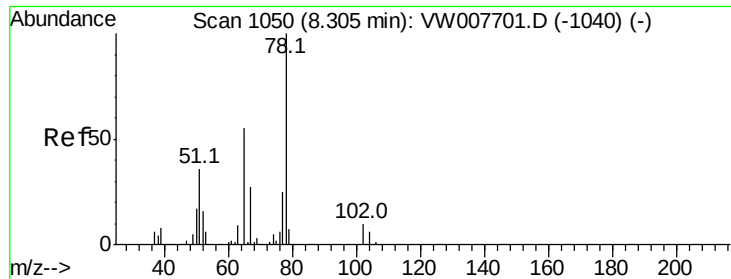


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

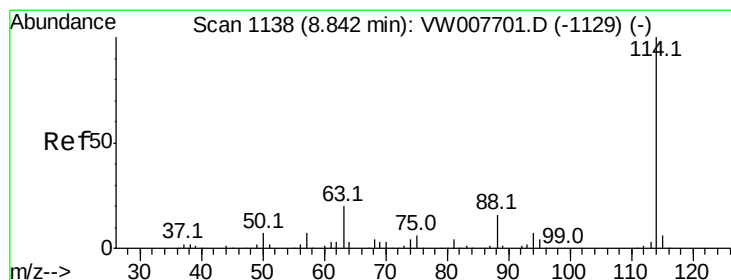
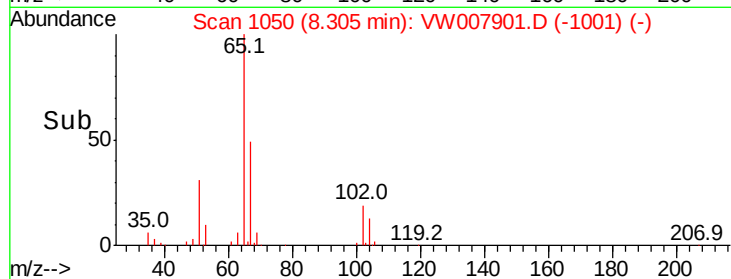
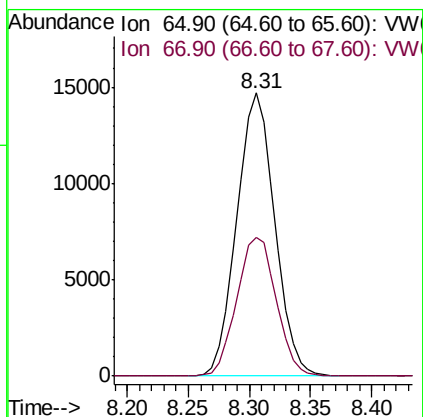
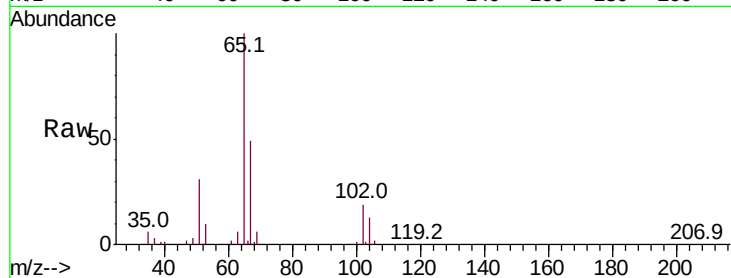




#33
 1,2-Dichloroethane-d4
 Concen: 63.051 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007901.D
 Acq: 24 Dec 2018 20:36

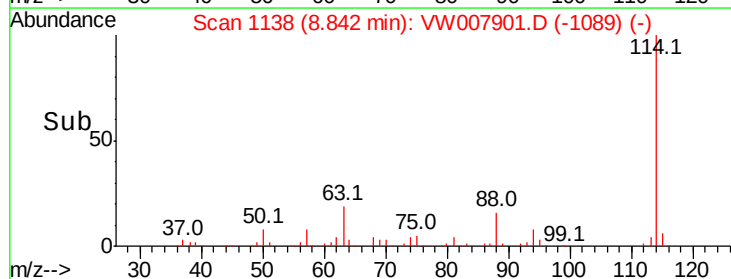
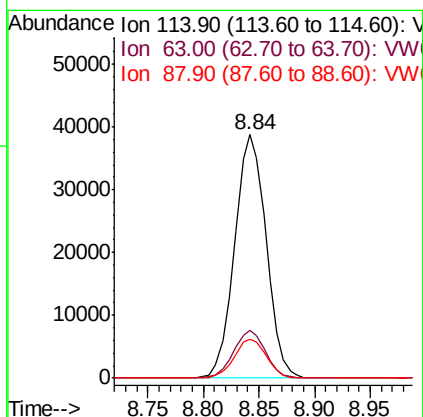
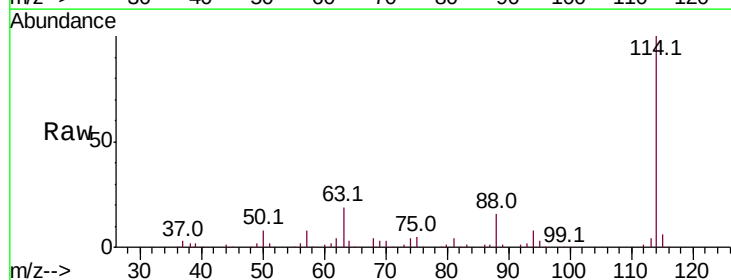
Instrument :
 MSVOA_W
 ClientSampleId :

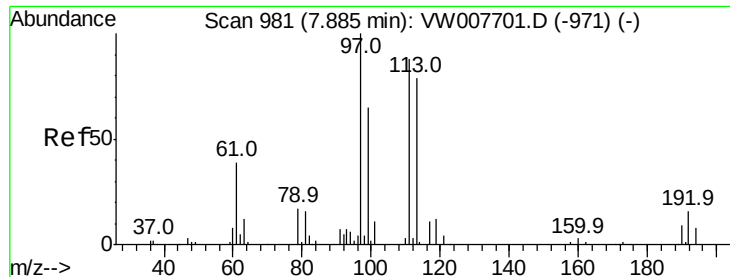
Tot Ion: 65 Resp: 31691
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007901.D
 Acq: 24 Dec 2018 20:36

Tgt Ion: 114 Resp: 75817
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.0
 88 15.9 0.0 32.6

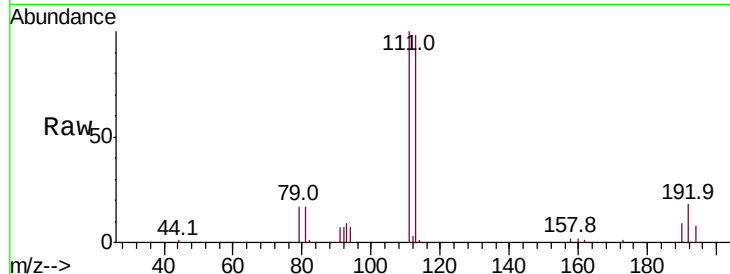




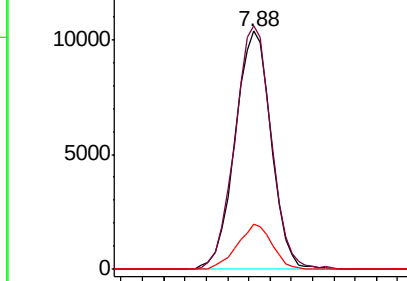
#35
 Dibromofluoromethane
 Concen: 53.357 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW007901.D
 Acq: 24 Dec 2018 20:36

Instrument :
 MSVOA_W
 ClientSampled :

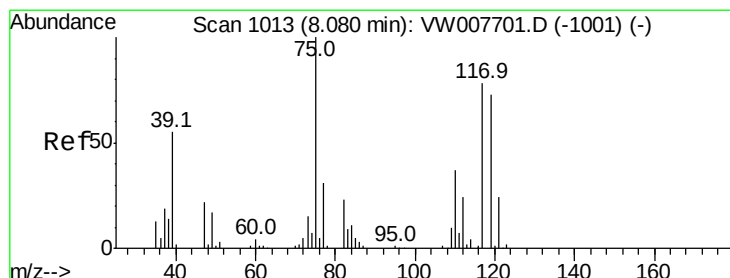
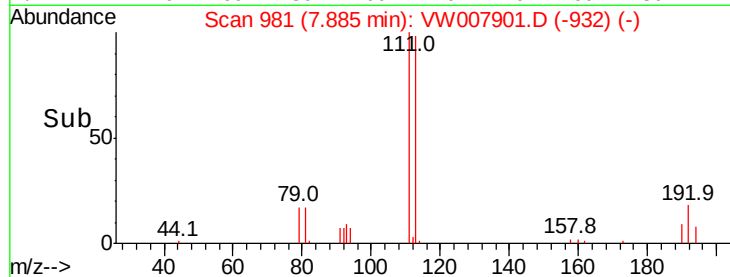
Tot Ion:113 Resp: 24679
 Ion Ratio Lower Upper
 113 100
 111 102.9 82.6 124.0
 192 18.1 15.5 23.3



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

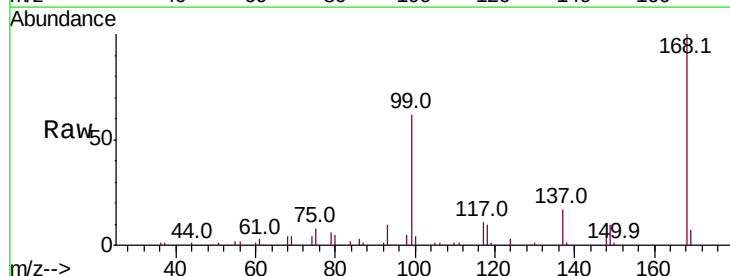


Time-->

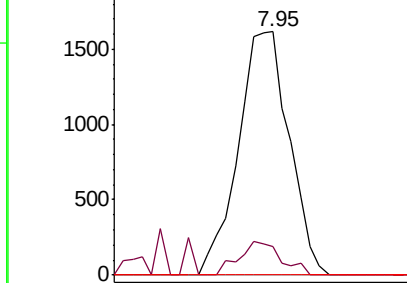


#36
 1,1-Dichloropropene
 Concen: 5.111 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW007901.D
 Acq: 24 Dec 2018 20:36

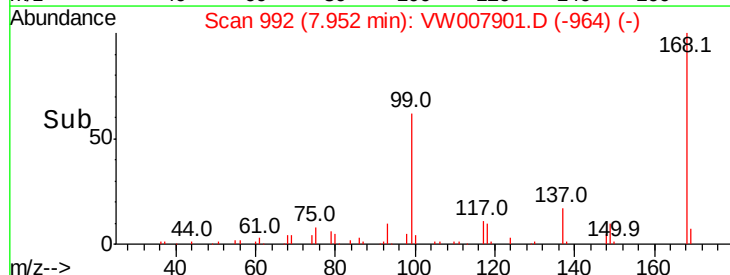
Tgt Ion: 75 Resp: 3740
 Ion Ratio Lower Upper
 75 100
 110 11.4 18.6 55.8#
 77 0.0 25.0 37.4#

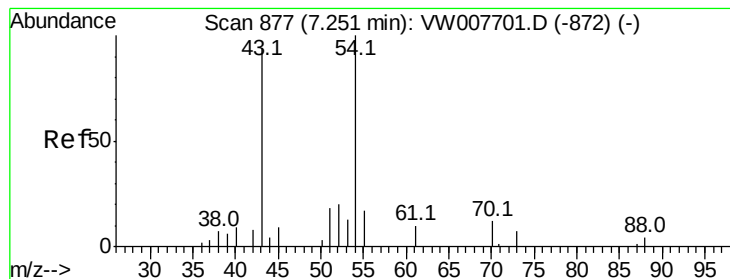


Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW



Time-->





#37

Ethyl Acetate

Concen: 5.389 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.08 min

Lab File: VW007901.D

Acq: 24 Dec 2018 20:36

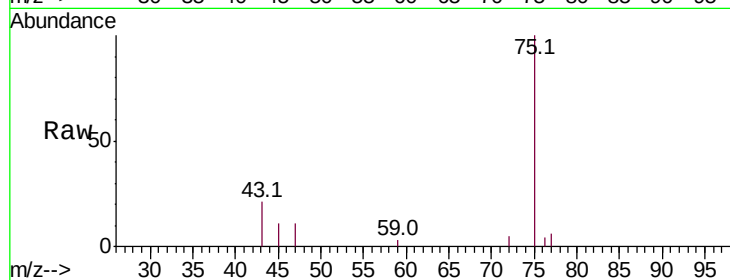
Instrument :

MSVOA_W

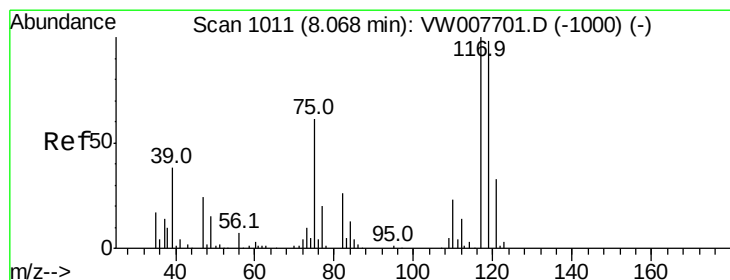
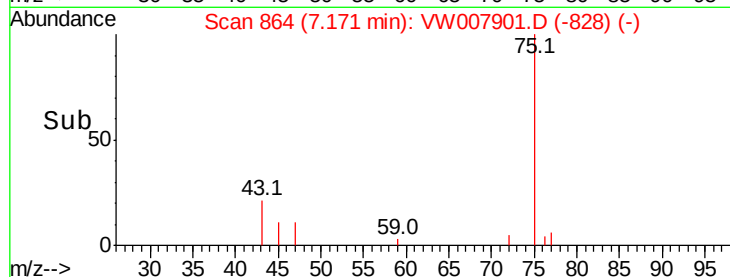
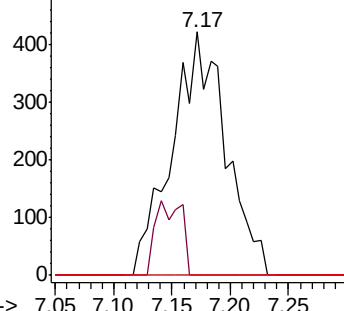
ClientSampled :

Tot Ion: 43 Resp: 1361

Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.2	16.8#
70	0.0	9.3	13.9#



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



#38

Carbon Tetrachloride

Concen: 5.998 ug/l

RT: 7.94 min Scan# 990

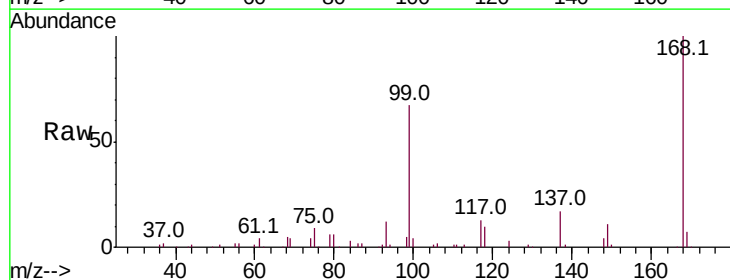
Delta R.T. -0.13 min

Lab File: VW007901.D

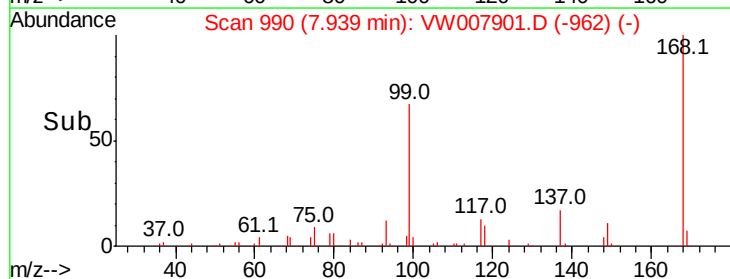
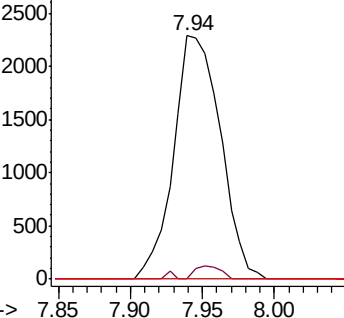
Acq: 24 Dec 2018 20:36

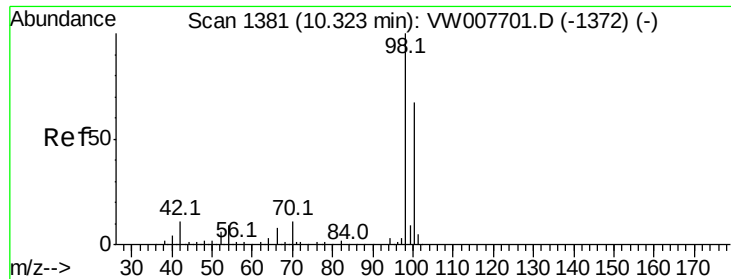
Tgt Ion: 117 Resp: 5169

Ion	Ratio	Lower	Upper
117	100		
119	0.0	78.2	117.2#
121	0.0	26.1	39.1#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

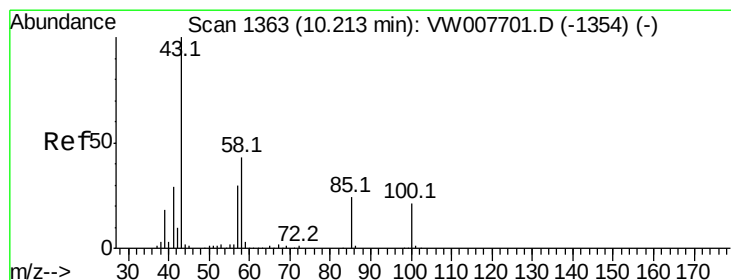
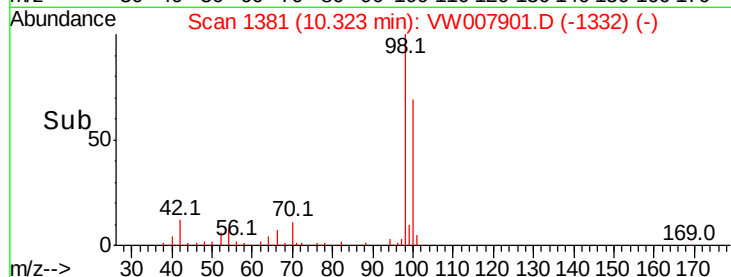
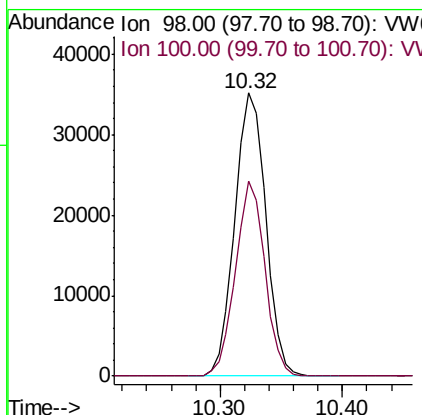
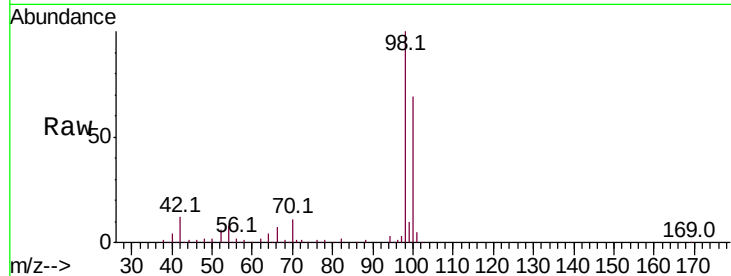




#50
Toluene-d8
Concen: 35.432 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007901.D
Acq: 24 Dec 2018 20:36

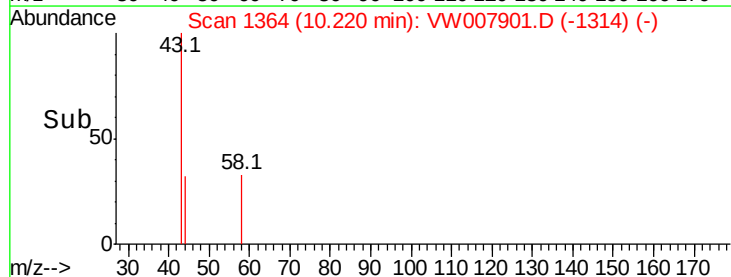
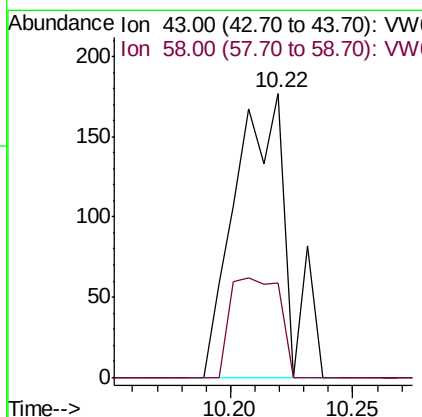
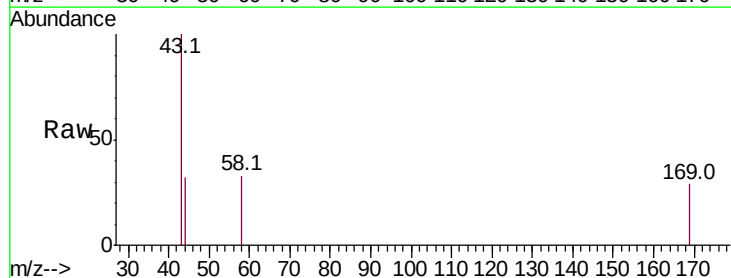
Instrument :
MSVOA_W
ClientSampled :

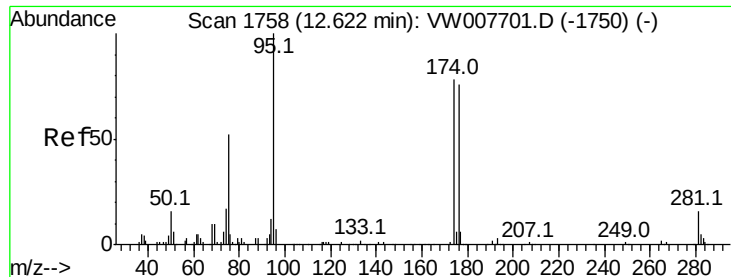
Tot Ion: 98 Resp: 61780
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 1.108 ug/l
RT: 10.22 min Scan# 1364
Delta R.T. 0.01 min
Lab File: VW007901.D
Acq: 24 Dec 2018 20:36

Tgt Ion: 43 Resp: 265
Ion Ratio Lower Upper
43 100
58 32.8 33.2 49.8#

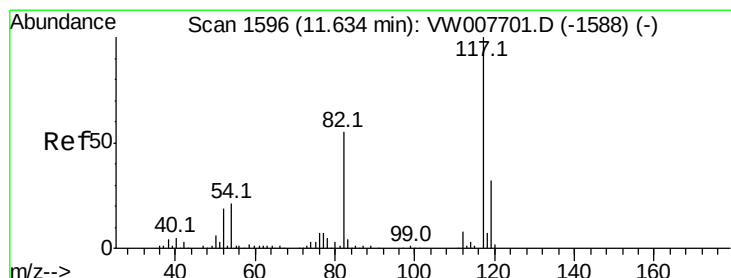
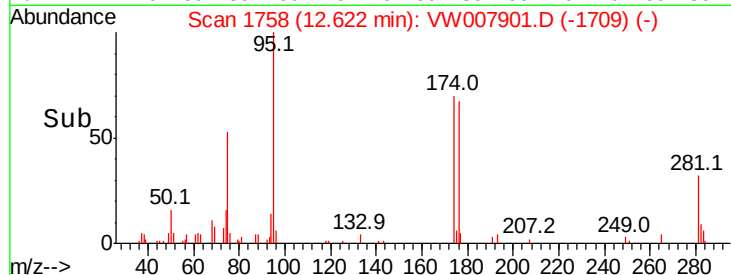
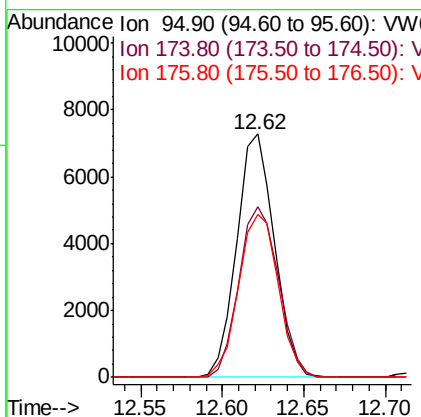
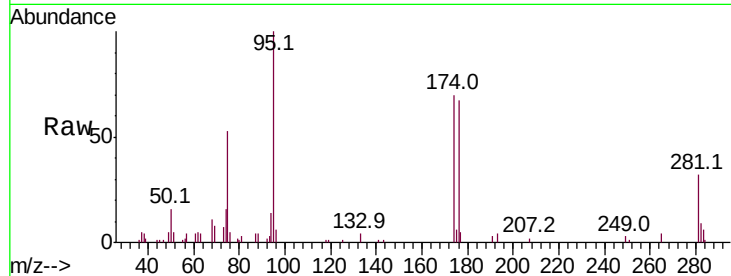




#62
4-Bromofluorobenzene
Concen: 17.429 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW007901.D
Acq: 24 Dec 2018 20:36

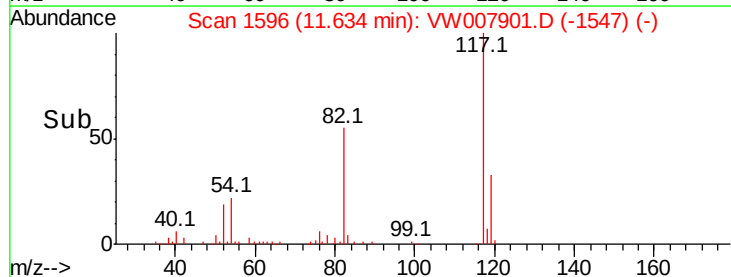
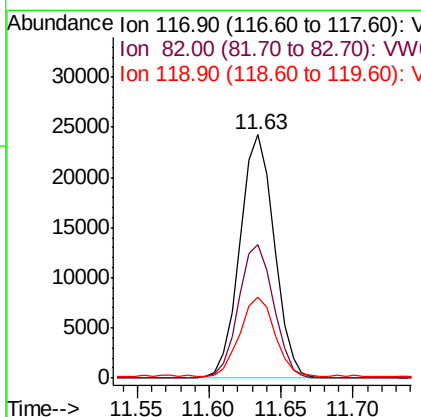
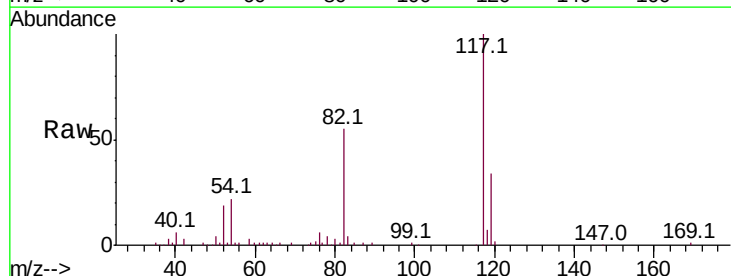
Instrument :
MSVOA_W
ClientSampled :

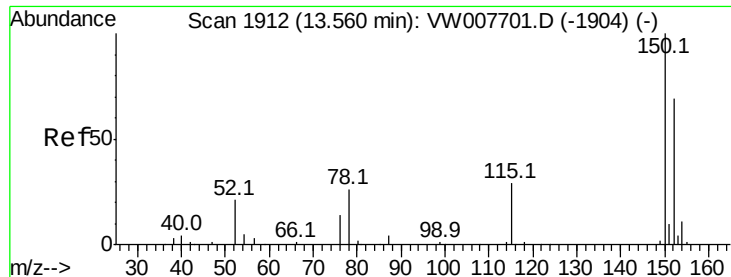
Tot Ion	95	Resp	11740
Ion Ratio	Lower	Upper	
95	100		
174	73.6	0.0	152.2
176	70.3	0.0	146.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007901.D
Acq: 24 Dec 2018 20:36

Tgt Ion	117	Resp	40215
Ion Ratio	Lower	Upper	
117	100		
82	55.1	44.3	66.5
119	32.4	25.7	38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007901.D

Acq: 24 Dec 2018 20:36

Instrument :

MSVOA_W

ClientSampled :

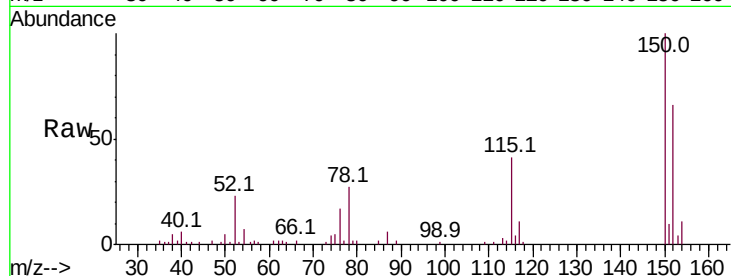
Tot Ion:152 Resp: 8615

Ion Ratio Lower Upper

152 100

115 65.2 31.8 95.4

150 160.9 0.0 350.8

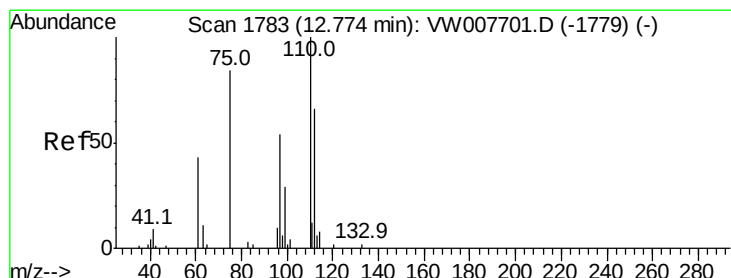
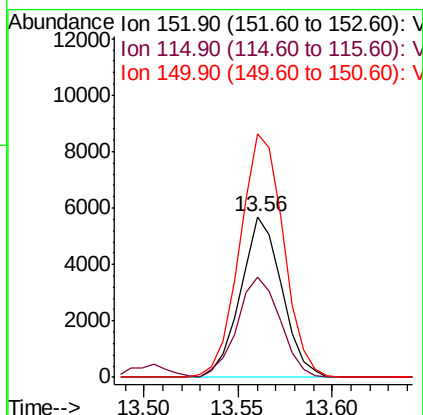
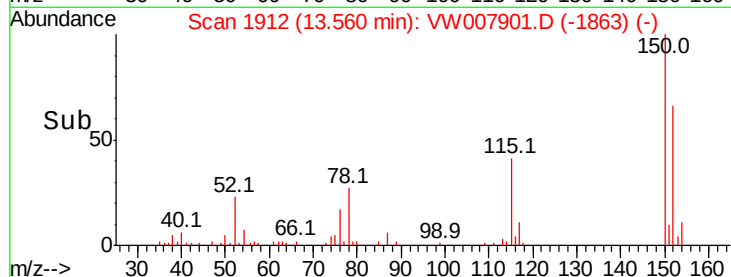


Abundance

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



#76

1,2,3-Trichloropropane

Concen: 91.356 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007901.D

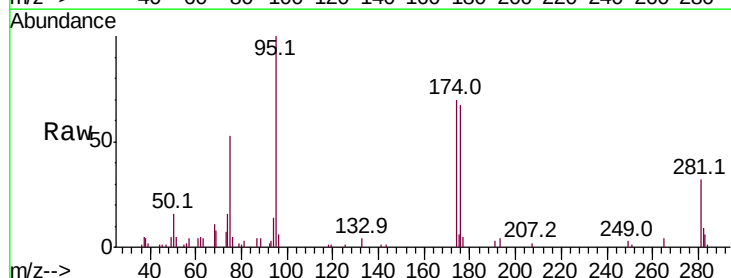
Acq: 24 Dec 2018 20:36

Tgt Ion: 75 Resp: 6083

Ion Ratio Lower Upper

75 100

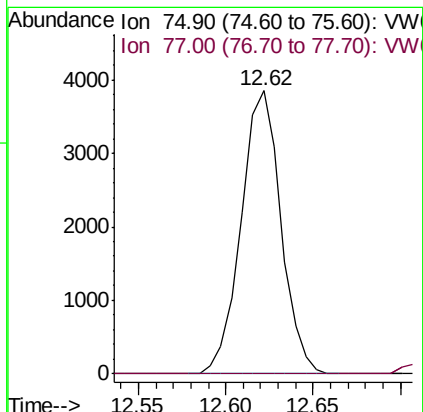
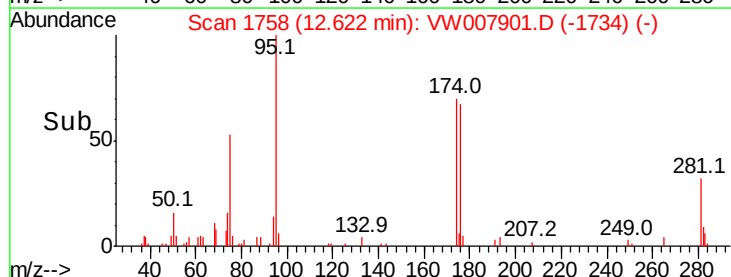
77 0.0 0.0 0.0

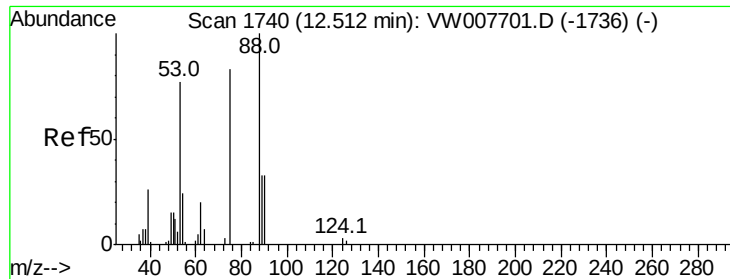


Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 191.762 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW007901.D

Acq: 24 Dec 2018 20:36

Instrument :

MSVOA_W

ClientSampleId :

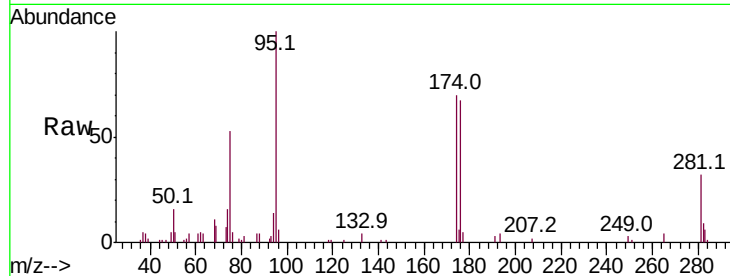
Tot Ion: 75 Resp: 6083

Ion Ratio Lower Upper

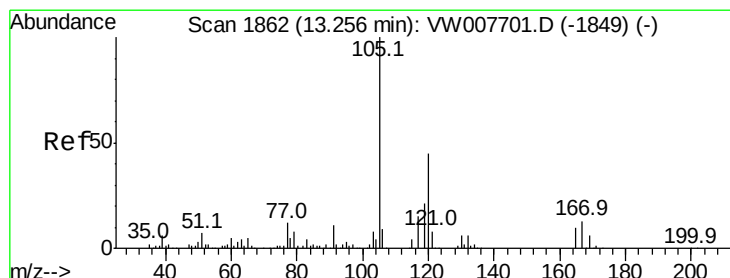
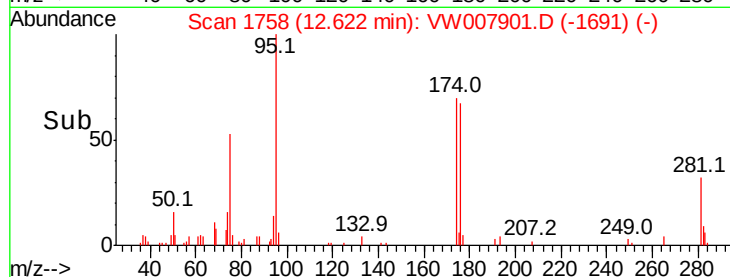
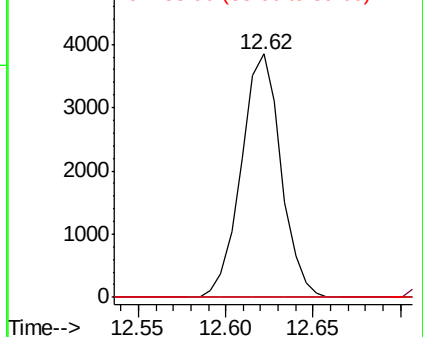
75 100

53 0.0 80.2 120.2#

89 0.0 39.2 58.8#



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



#84

1,2,4-Trimethylbenzene

Concen: 1.133 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. -0.00 min

Lab File: VW007901.D

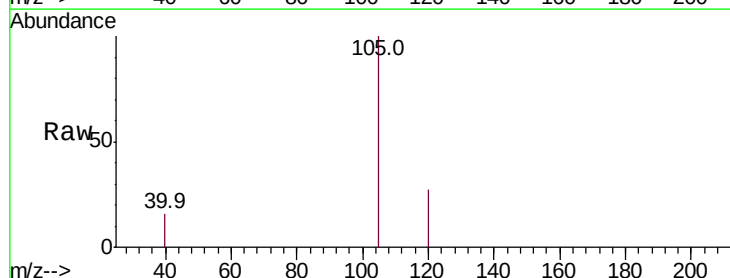
Acq: 24 Dec 2018 20:36

Tgt Ion: 105 Resp: 642

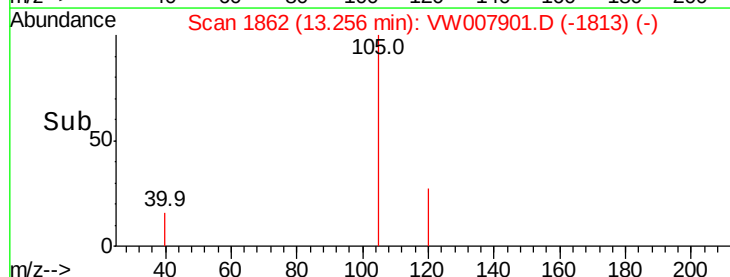
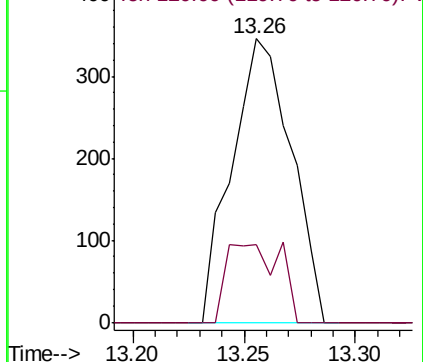
Ion Ratio Lower Upper

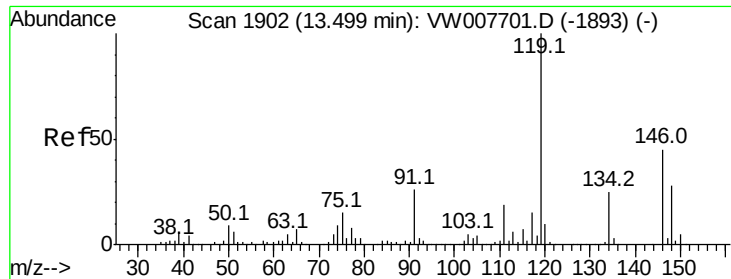
105 100

120 24.9 22.0 66.0



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





#86
 p-Isopropyltoluene
 Concen: 14.868 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW007901.D
 Acq: 24 Dec 2018 20:36

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	119	Resp:	9183
Ion	Ratio	Lower	Upper
119	100		
134	24.8	13.0	39.0
91	24.9	12.8	38.4

