

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV112618\
 Data File : VW007071.D
 Acq On : 27 Nov 2018 03:28
 Operator : VAY/AP
 Sample : J5770-07RE
 Misc : 6.92G/5ML/MSVOA W/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OR-02-112118-BRE

Quant Time: Nov 27 05:32:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 03:23:02 2018
 Response via : Initial Calibration

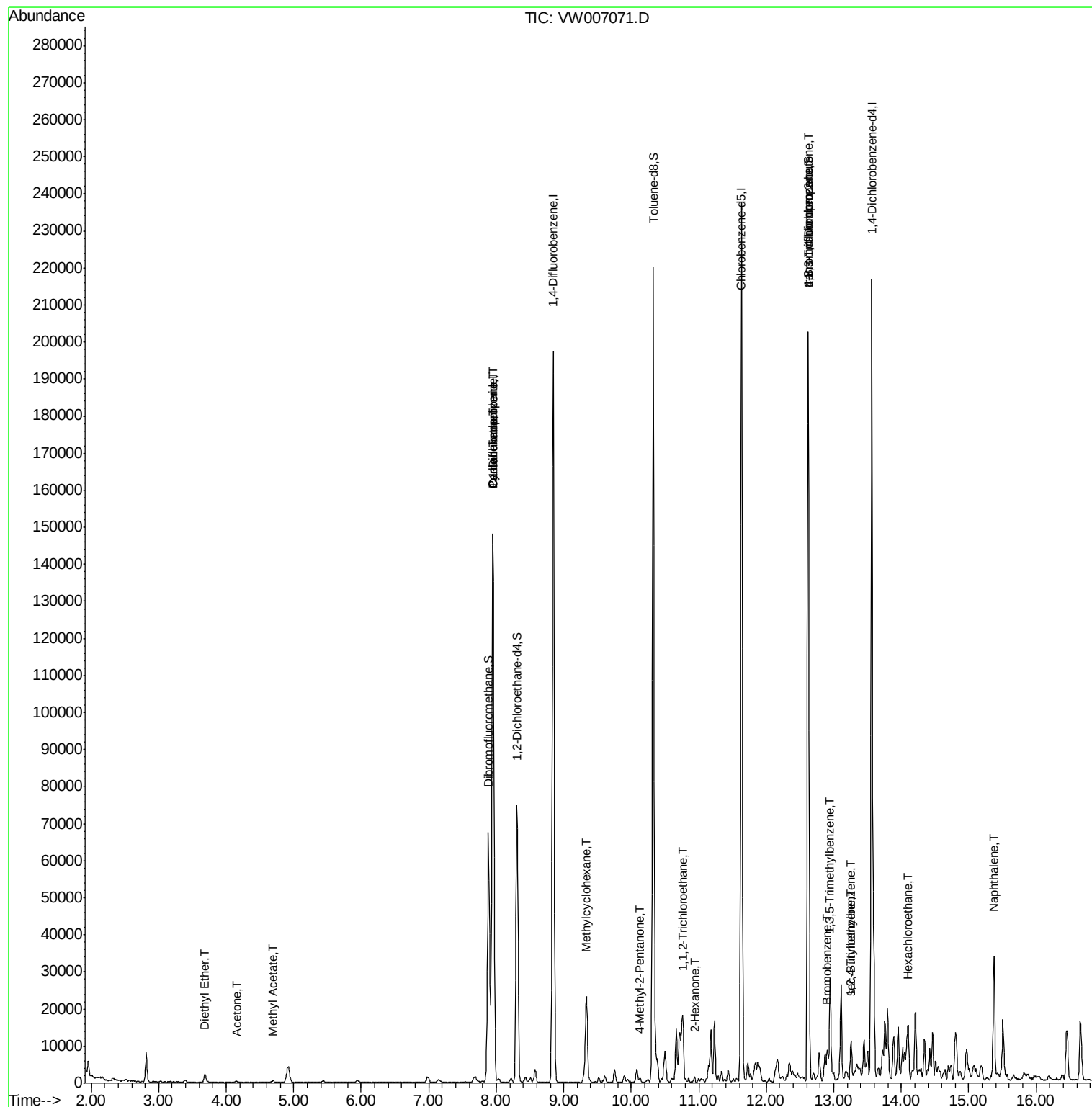
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	109741	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	173209	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	137104	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	55473	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	58824	54.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.50%	
35) Dibromofluoromethane	7.88	113	49908	51.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.04%	
50) Toluene-d8	10.32	98	136362	31.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	63.14%	
62) 4-Bromofluorobenzene	12.62	95	66233	38.97	ug/l	0.00
Spiked Amount 50.000			Recovery	=	77.94%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.68	74	1102	1.958	ug/l	57
16) Acetone	4.15	43	712	4.564	ug/l	92
18) Methyl Acetate	4.70	43	855	1.539	ug/l #	68
20) Methylene Chloride	4.91	84	1737	Below Cal		96
31) Cyclohexane	7.96	56	5062	2.446	ug/l #	42
36) 1,1-Dichloropropene	7.95	75	8112	4.793	ug/l #	50
38) Carbon Tetrachloride	7.95	117	11184	6.900	ug/l #	16
39) Methylcyclohexane	9.34	83	9985	4.714	ug/l	97
51) 4-Methyl-2-Pentanone	10.13	43	629	1.065	ug/l #	36
55) 1,1,2-Trichloroethane	10.76	97	3587	4.323	ug/l #	19
59) 2-Hexanone	10.93	43	461	1.140	ug/l #	24
76) 1,2,3-Trichloropropane	12.62	75	31972	73.347	ug/l #	100
77) Bromobenzene	12.90	156	1382	1.492	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.95	105	12315	3.303	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.62	75	31972	184.144	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.26	105	5651	1.521	ug/l	100
85) sec-Butylbenzene	13.26	105	5651	1.239	ug/l #	57
90) Hexachloroethane	14.10	117	741	1.262	ug/l #	14
95) Naphthalene	15.37	128	29672	14.965	ug/l	98

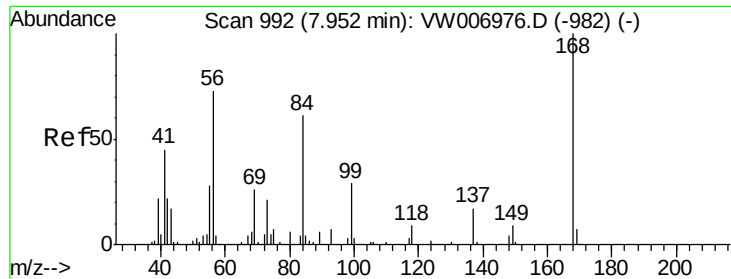
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007071.D

Acq: 27 Nov 2018 03:28

Instrument :

MSVOA_W

ClientSampleId :

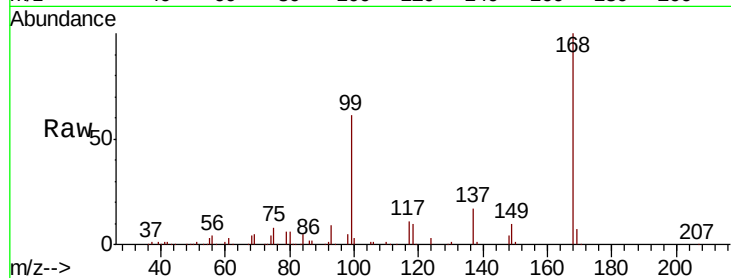
OR-02-112118-BRE

Tot Ion:168 Resp: 109741

Ion Ratio Lower Upper

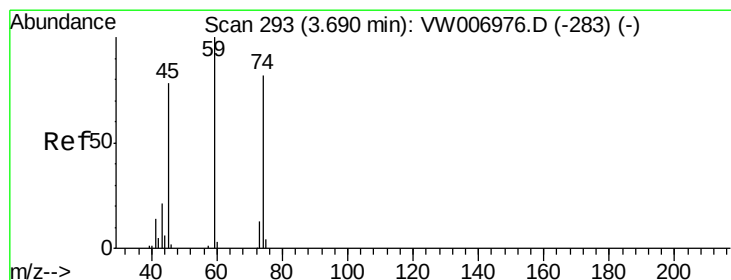
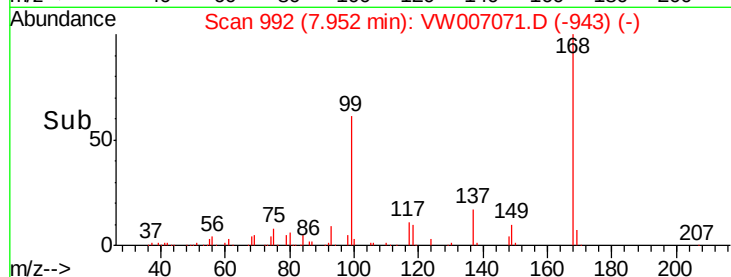
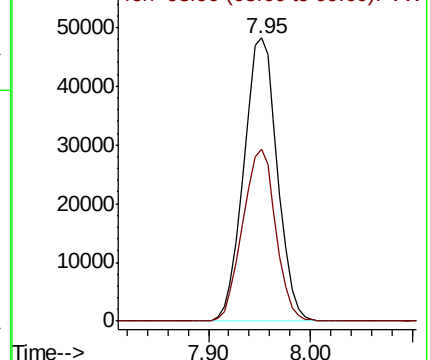
168 100

99 60.9 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.958 ug/l

RT: 3.68 min Scan# 292

Delta R.T. -0.01 min

Lab File: VW007071.D

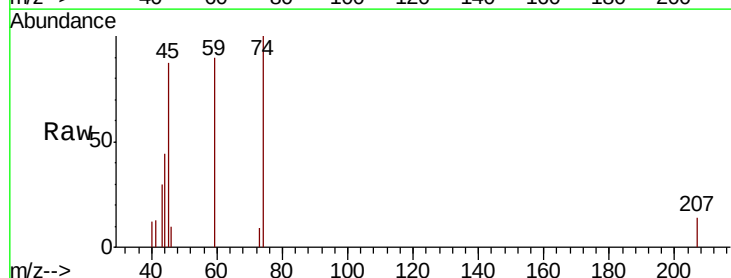
Acq: 27 Nov 2018 03:28

Tgt Ion: 74 Resp: 1102

Ion Ratio Lower Upper

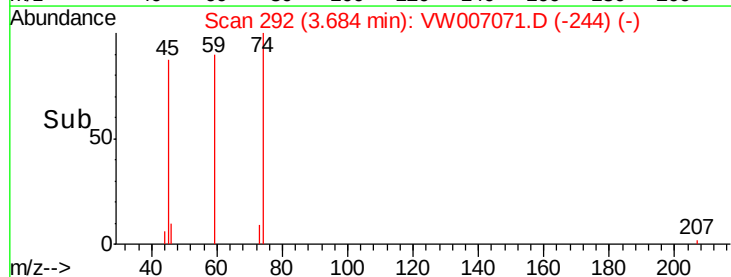
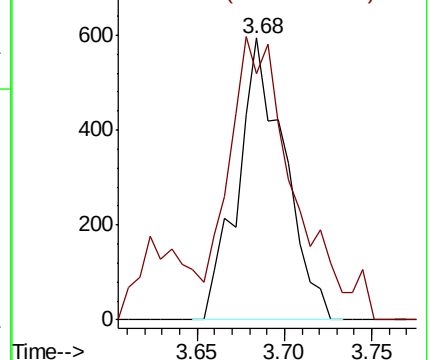
74 100

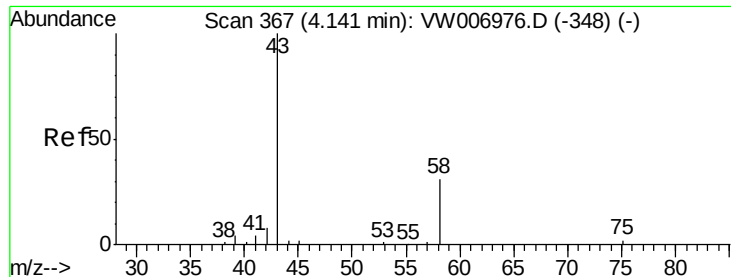
45 139.1 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#16

Acetone

Concen: 4.564 ug/l

RT: 4.15 min Scan# 369

Delta R.T. 0.01 min

Lab File: VW007071.D

Acq: 27 Nov 2018 03:28

Instrument :

MSVOA_W

ClientSampleId :

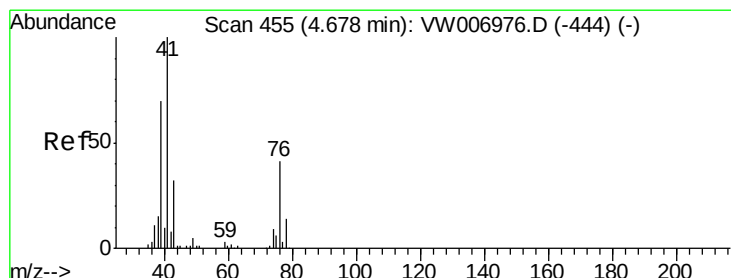
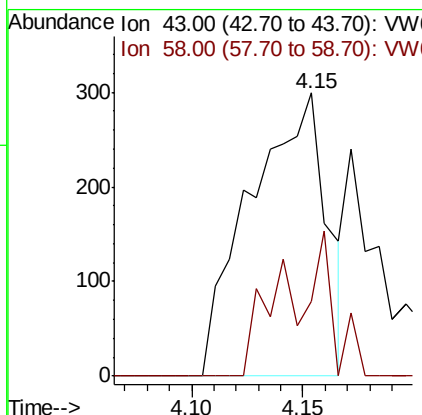
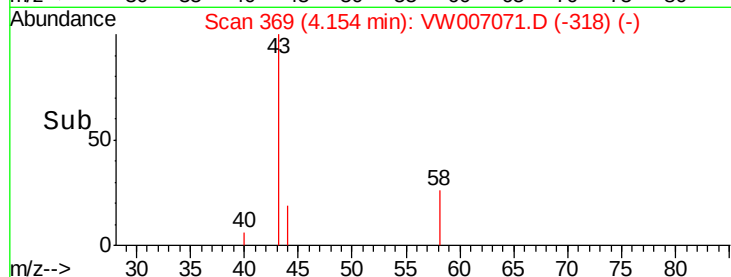
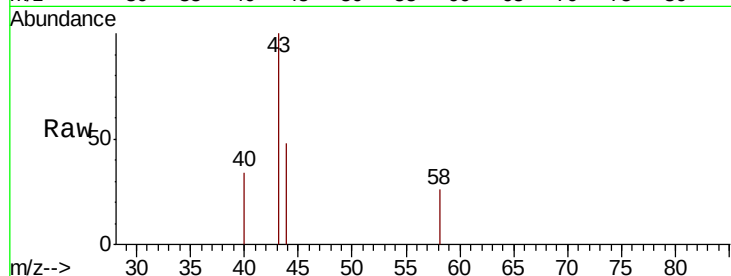
OR-02-112118-BRE

Tot Ion: 43 Resp: 712

Ion Ratio Lower Upper

43 100

58 26.4 24.8 37.2



#18

Methyl Acetate

Concen: 1.539 ug/l

RT: 4.70 min Scan# 458

Delta R.T. 0.02 min

Lab File: VW007071.D

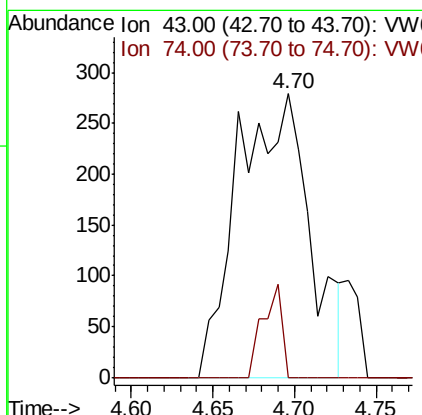
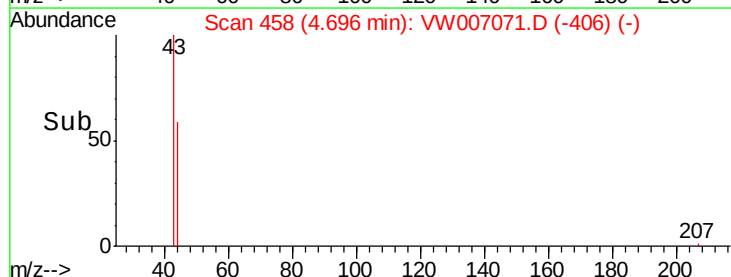
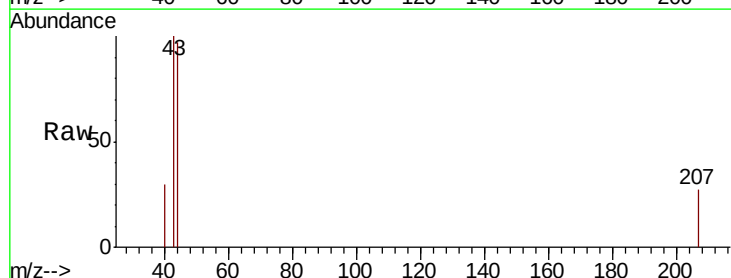
Acq: 27 Nov 2018 03:28

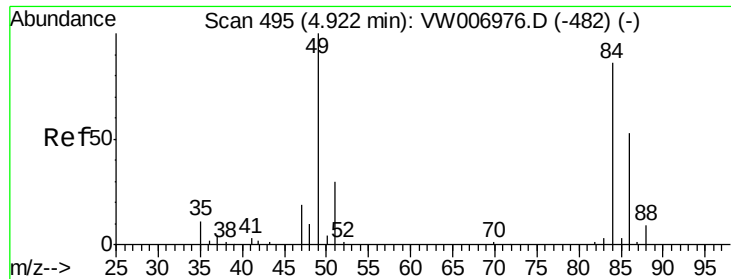
Tgt Ion: 43 Resp: 855

Ion Ratio Lower Upper

43 100

74 8.9 20.1 30.1#

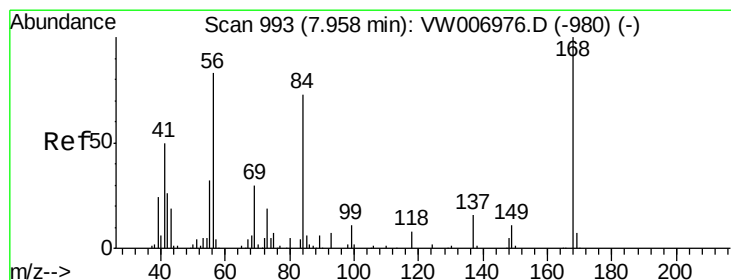
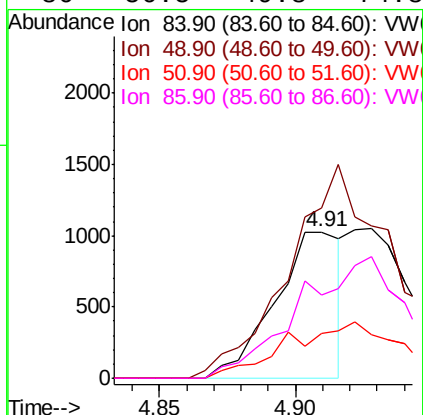
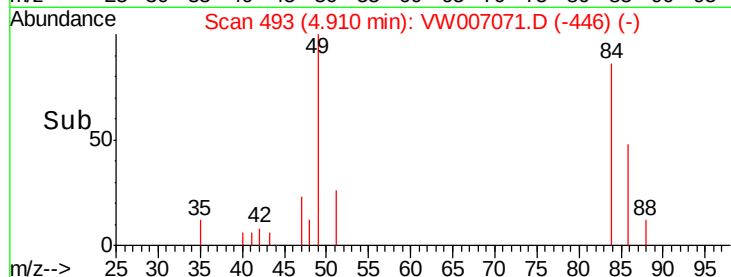
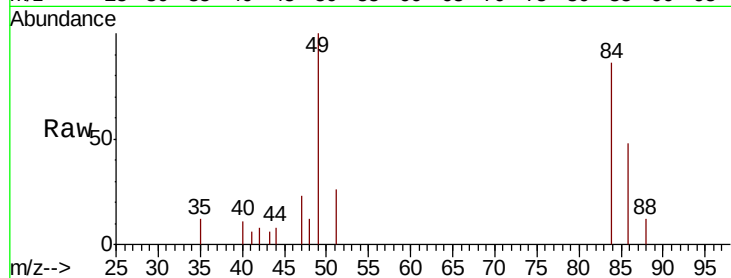




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW007071.D
Acq: 27 Nov 2018 03:28

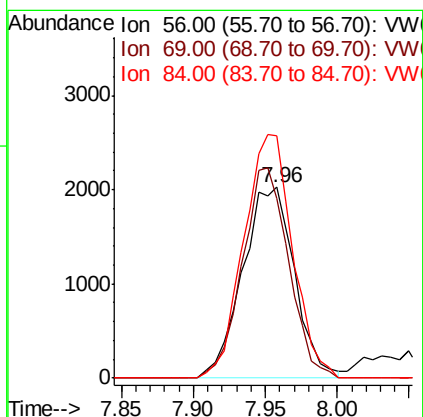
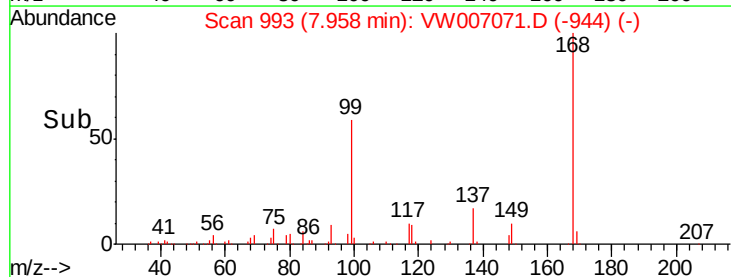
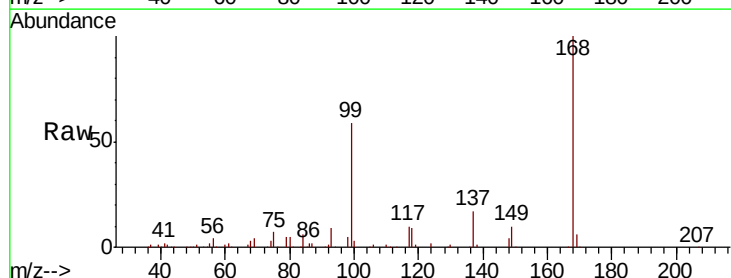
Instrument :
MSVOA_W
ClientSampleId :
OR-02-112118-BRE

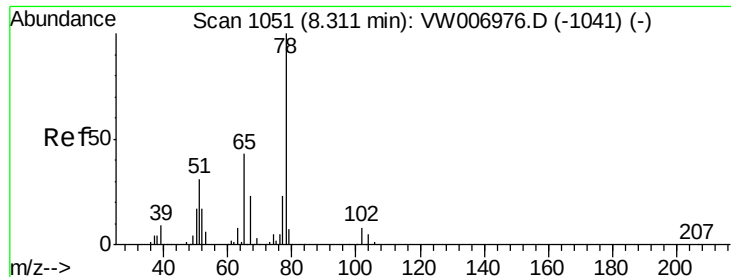
Tot Ion:	84	Resp:	1737
Ion	Ratio	Lower	Upper
84	100		
49	116.7	93.4	140.0
51	30.7	28.4	42.6
86	56.5	49.8	74.8



#31
Cyclohexane
Concen: 2.446 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW007071.D
Acq: 27 Nov 2018 03:28

Tgt Ion:	56	Resp:	5062
Ion	Ratio	Lower	Upper
56	100		
69	94.1	29.1	43.7#
84	127.3	70.6	105.8#

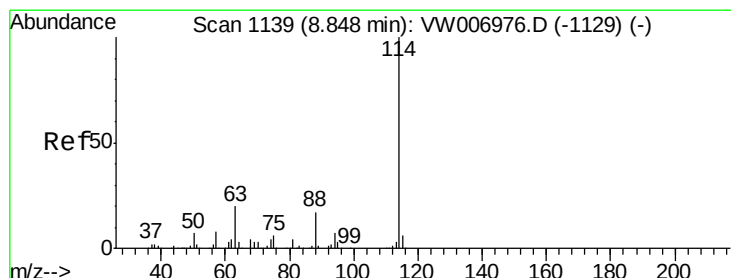
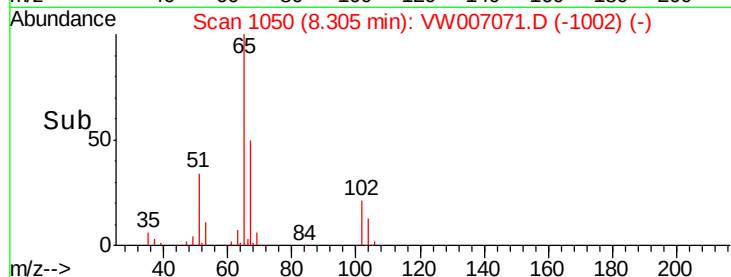
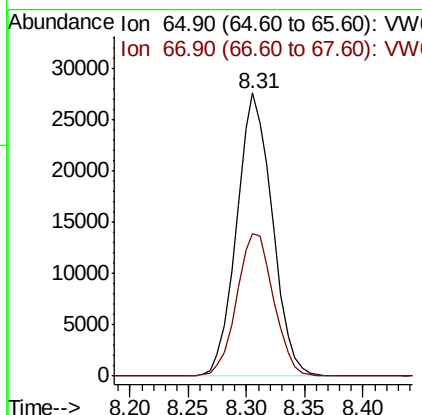
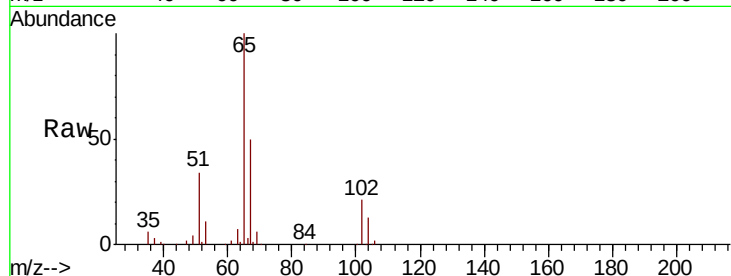




#33
 1,2-Dichloroethane-d4
 Concen: 54.751 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW007071.D
 Acq: 27 Nov 2018 03:28

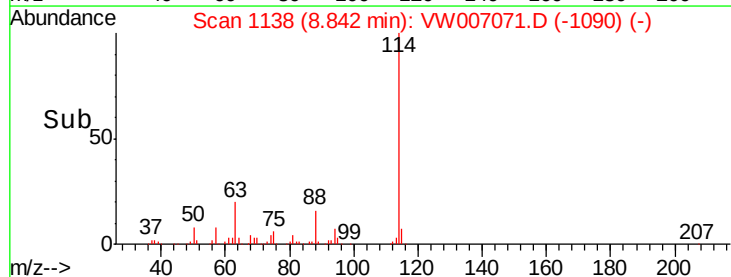
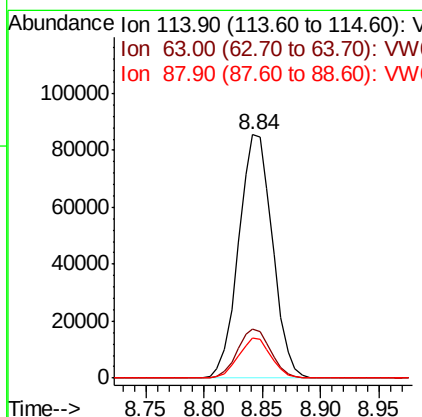
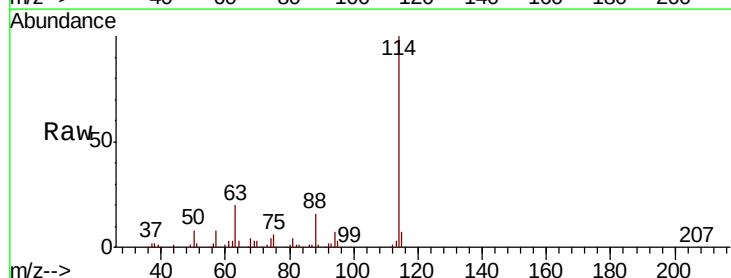
Instrument :
 MSVOA_W
 ClientSampleId :
 OR-02-112118-BRE

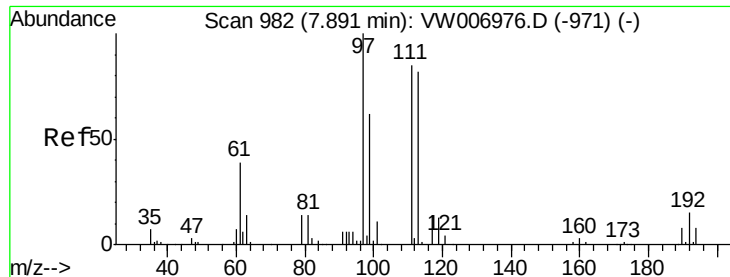
Tot Ion: 65 Resp: 58824
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW007071.D
 Acq: 27 Nov 2018 03:28

Tgt Ion: 114 Resp: 173209
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.4
 88 16.2 0.0 34.2

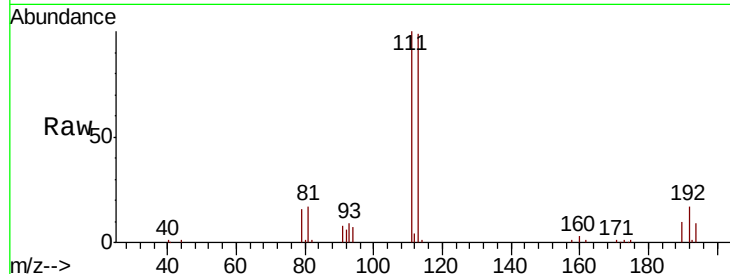




#35
 Dibromofluoromethane
 Concen: 51.023 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW007071.D
 Acq: 27 Nov 2018 03:28

Instrument :
 MSVOA_W
 ClientSampleId :
 OR-02-112118-BRE

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	81.0	121.6
192	18.3	15.0	22.6

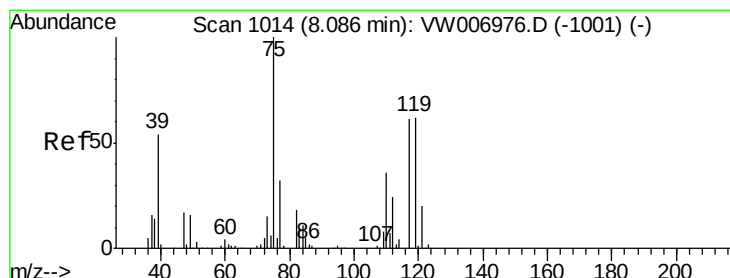
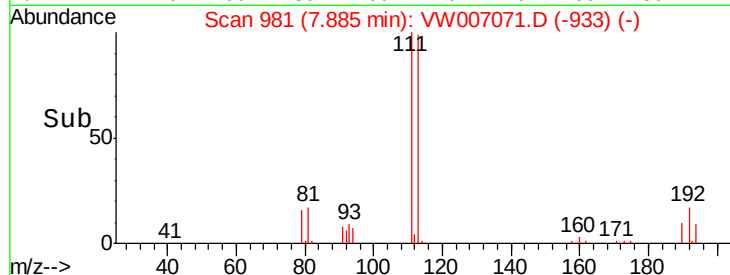
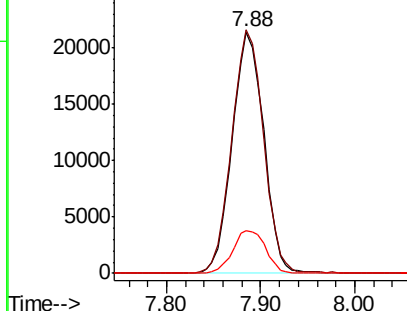


Abundance

Ion 112.80 (112.50 to 113.50): V

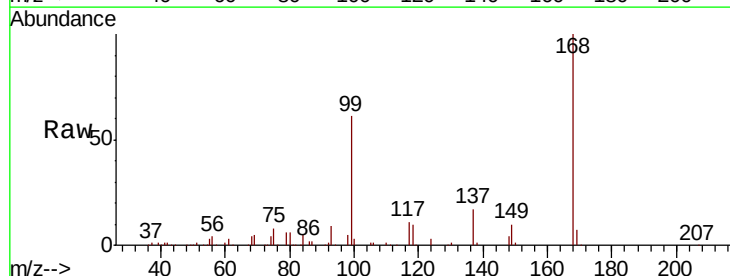
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 4.793 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW007071.D
 Acq: 27 Nov 2018 03:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.4	18.0	54.0#
77	0.0	24.9	37.3#

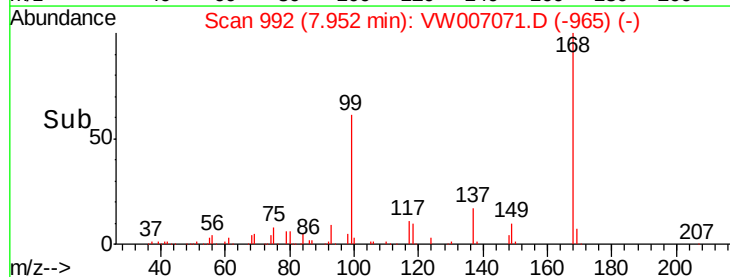
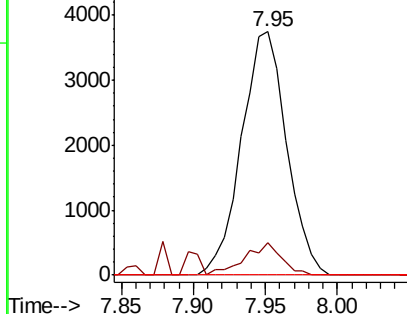


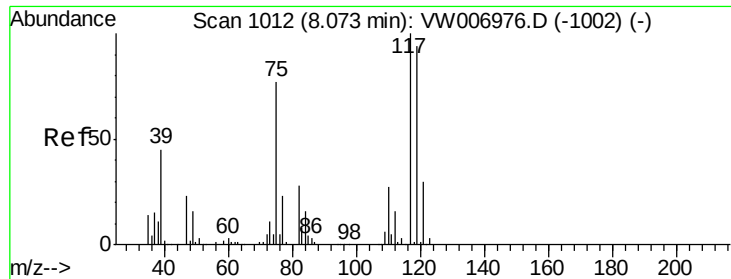
Abundance

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





#38

Carbon Tetrachloride

Concen: 6.900 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW007071.D

Acq: 27 Nov 2018 03:28

Instrument :

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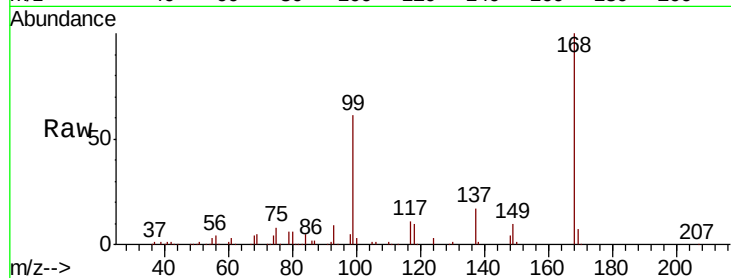
Tot Ion:117 Resp: 11184

Ion Ratio Lower Upper

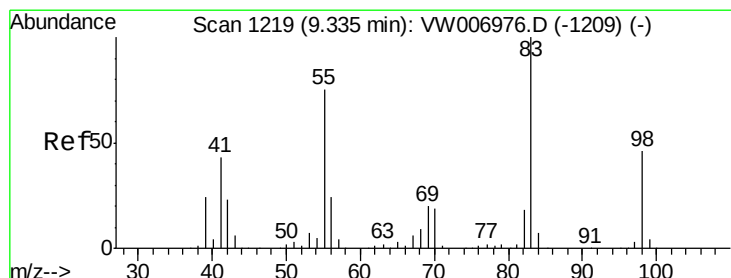
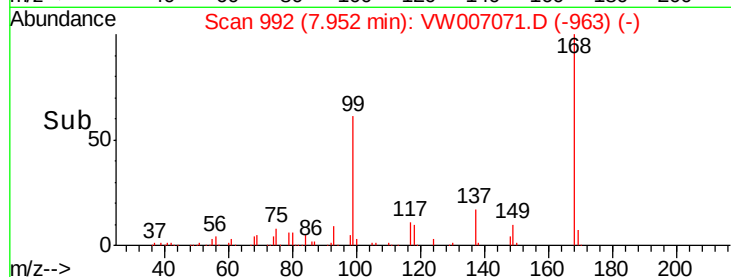
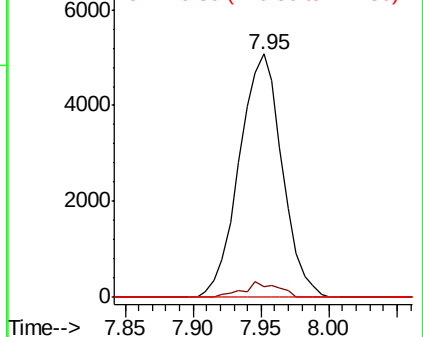
117 100

119 4.2 74.9 112.3#

121 0.0 23.6 35.4#



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



#39

Methylcyclohexane

Concen: 4.714 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW007071.D

Acq: 27 Nov 2018 03:28

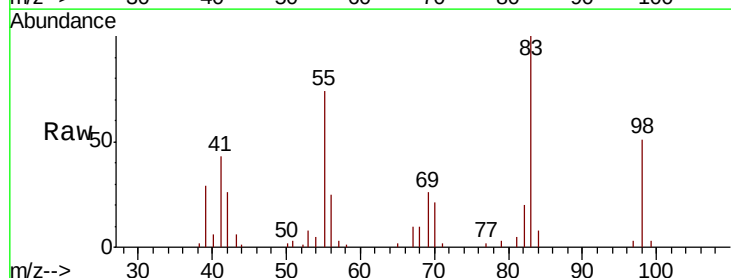
Tgt Ion: 83 Resp: 9985

Ion Ratio Lower Upper

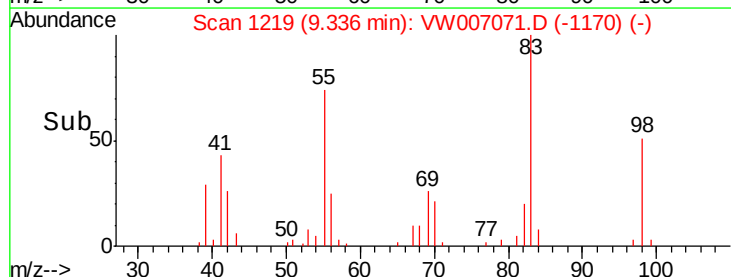
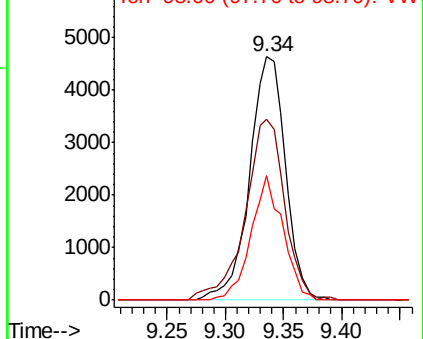
83 100

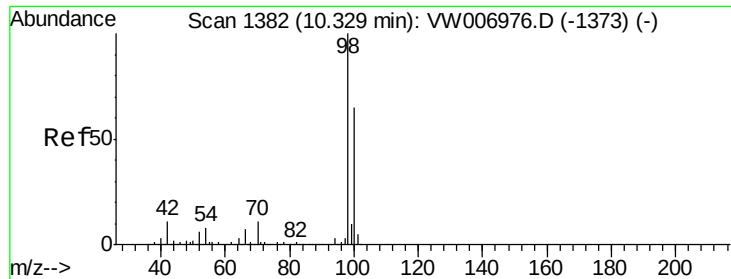
55 74.4 59.6 89.4

98 51.4 37.1 55.7



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





#50

Toluene-d8

Concen: 31.570 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW007071.D

Acq: 27 Nov 2018 03:28

Instrument :

MSVOA_W

ClientSampleId :

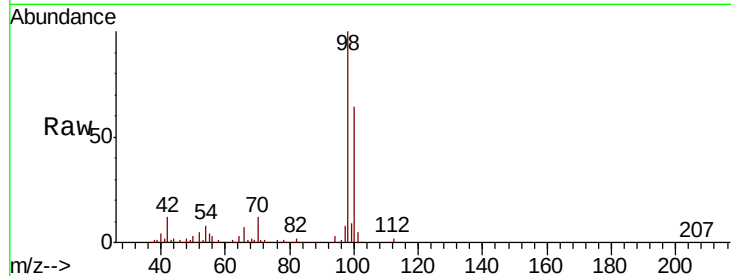
OR-02-112118-BRE

Tot Ion: 98 Resp: 136362

Ion Ratio Lower Upper

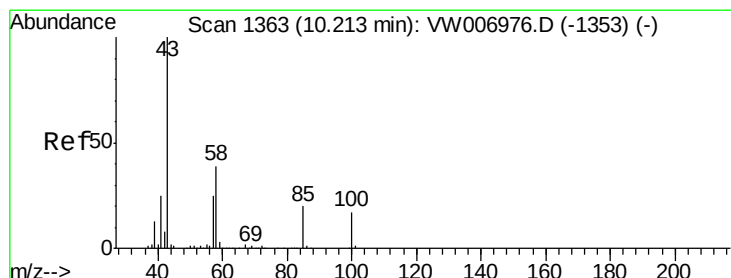
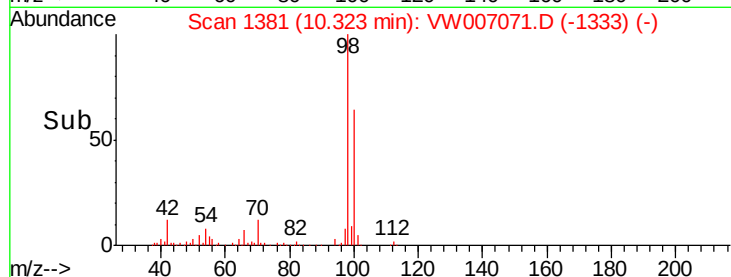
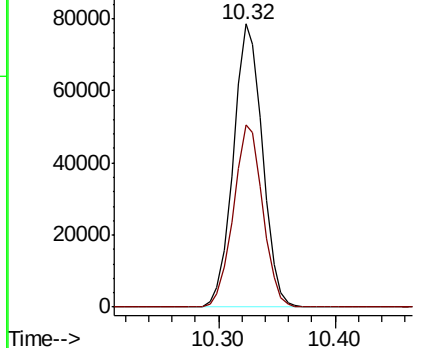
98 100

100 64.7 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#51

4-Methyl-2-Pentanone

Concen: 1.065 ug/l

RT: 10.13 min Scan# 1349

Delta R.T. -0.09 min

Lab File: VW007071.D

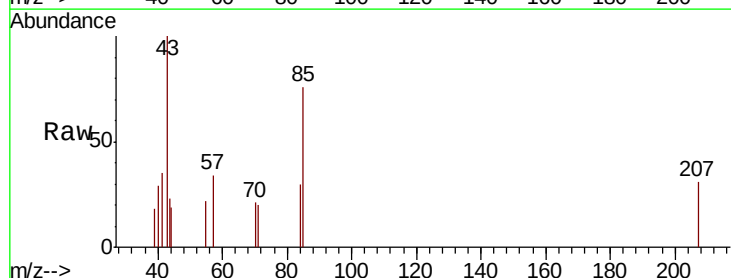
Acq: 27 Nov 2018 03:28

Tgt Ion: 43 Resp: 629

Ion Ratio Lower Upper

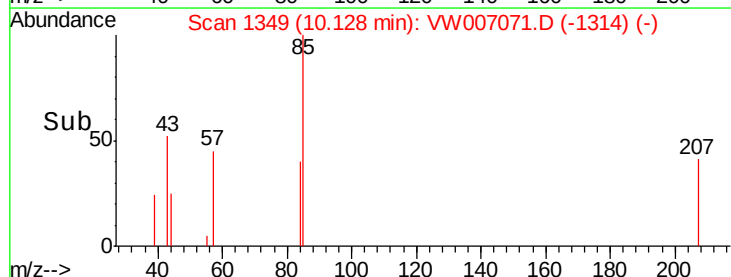
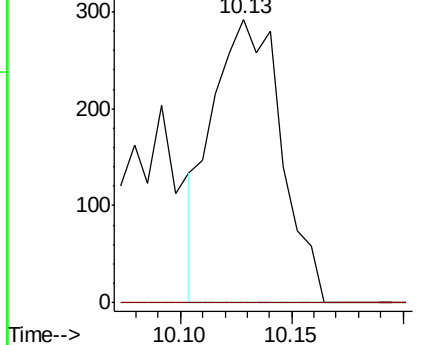
43 100

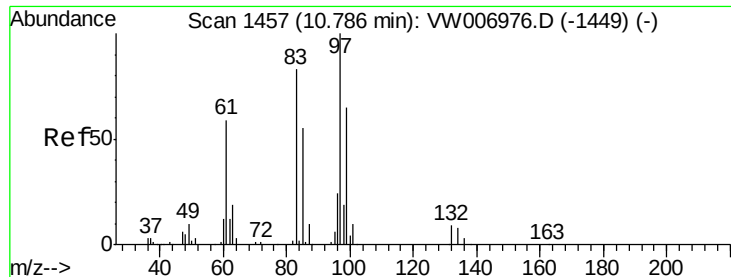
58 0.0 31.8 47.6#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

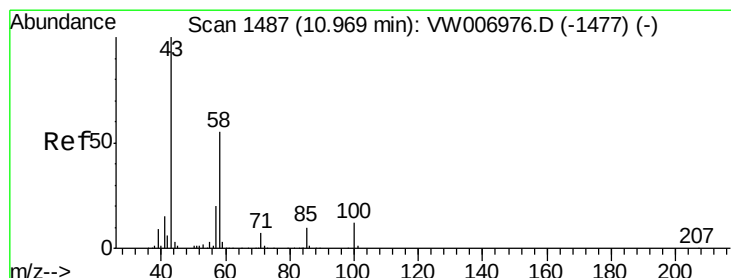
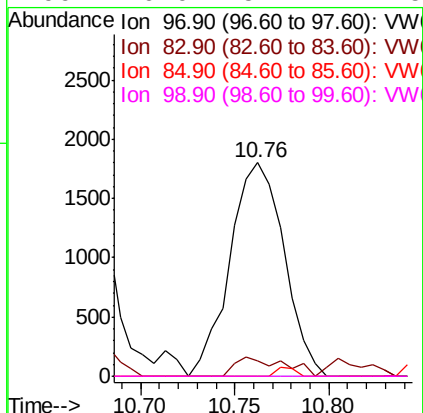
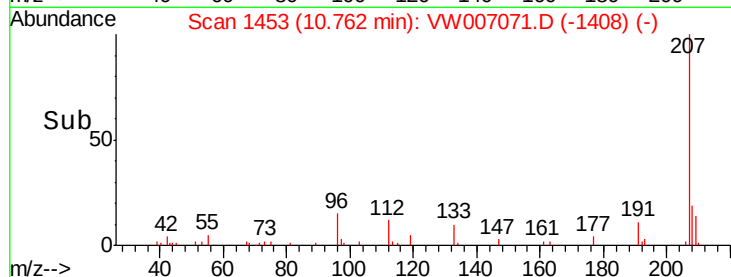
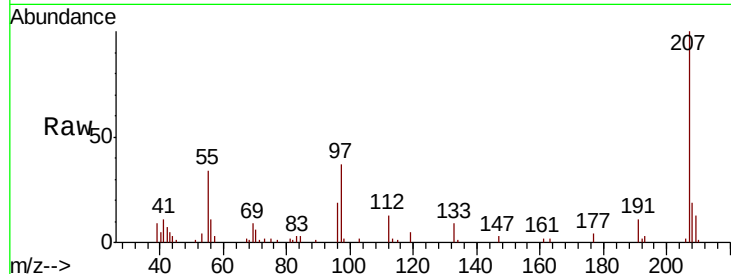




#55
 1,1,2-Trichloroethane
 Concen: 4.323 ug/l
 RT: 10.76 min Scan# 1453
 Delta R.T. -0.02 min
 Lab File: VW007071.D
 Acq: 27 Nov 2018 03:28

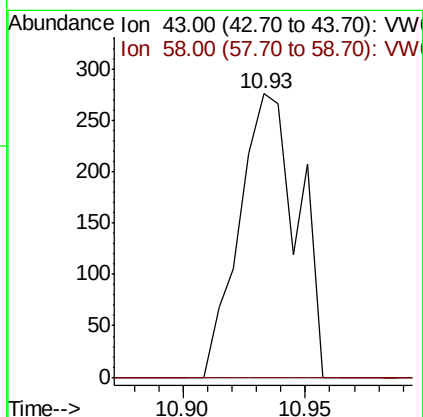
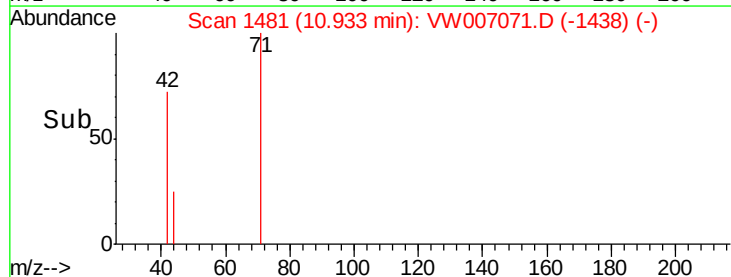
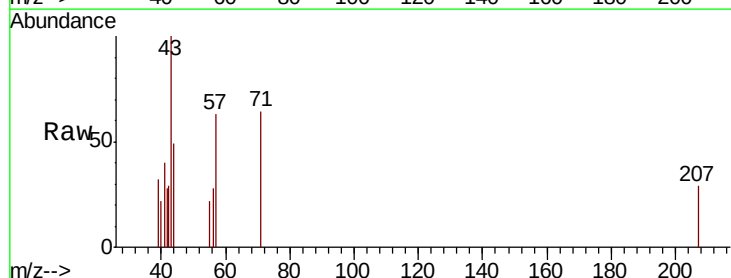
Instrument :
 MSVOA_W
 ClientSampleId :
 OR-02-112118-BRE

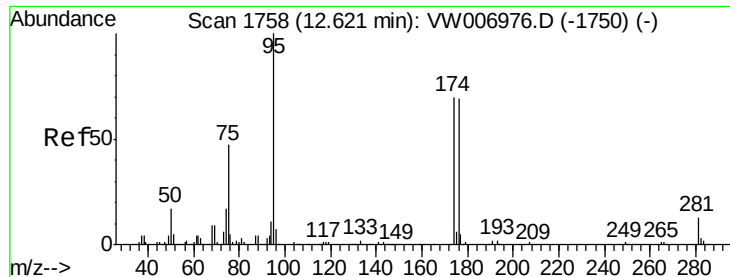
Tot Ion: 97 Resp: 3587
 Ion Ratio Lower Upper
 97 100
 83 7.2 66.4 99.6#
 85 0.0 44.1 66.1#
 99 0.0 51.7 77.5#



#59
 2-Hexanone
 Concen: 1.140 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.04 min
 Lab File: VW007071.D
 Acq: 27 Nov 2018 03:28

Tgt Ion: 43 Resp: 461
 Ion Ratio Lower Upper
 43 100
 58 0.0 27.3 81.8#

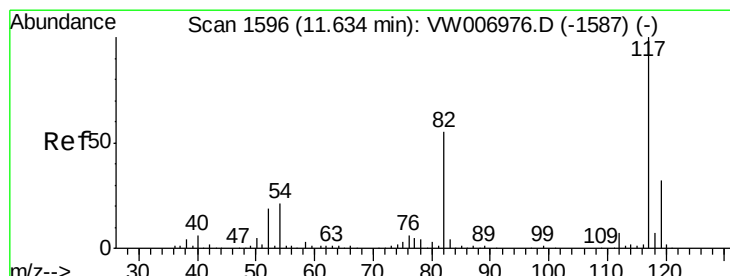
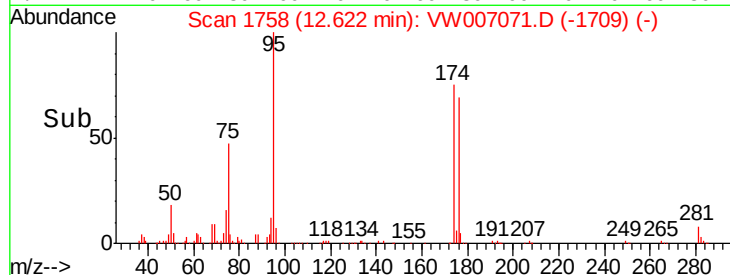
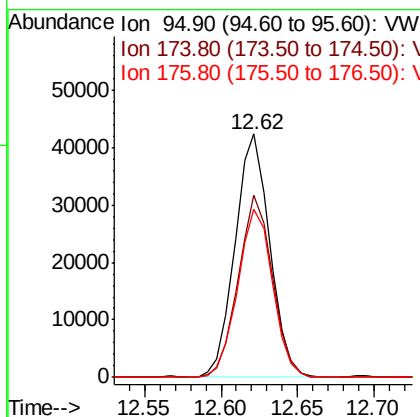
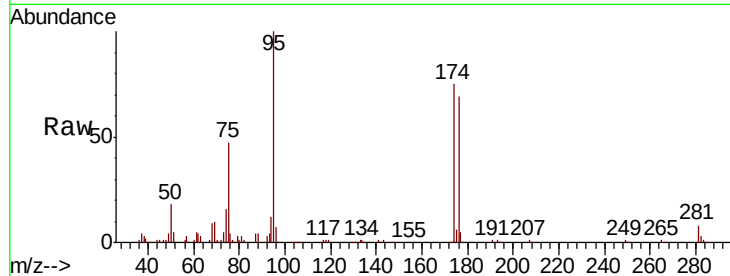




#62
4-Bromofluorobenzene
Concen: 38.966 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW007071.D
Acq: 27 Nov 2018 03:28

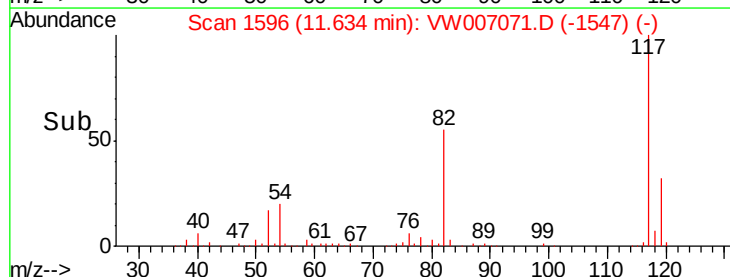
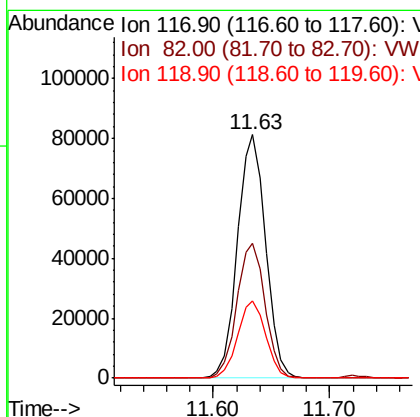
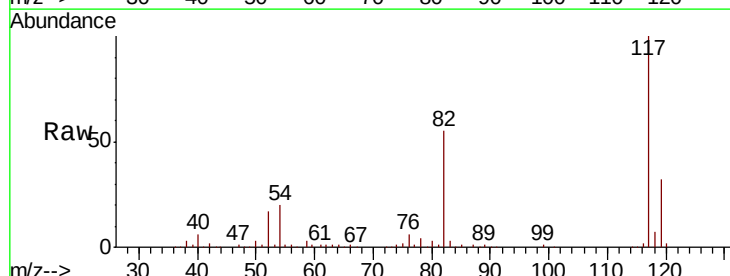
Instrument :
MSVOA_W
ClientSampleId :
OR-02-112118-BRE

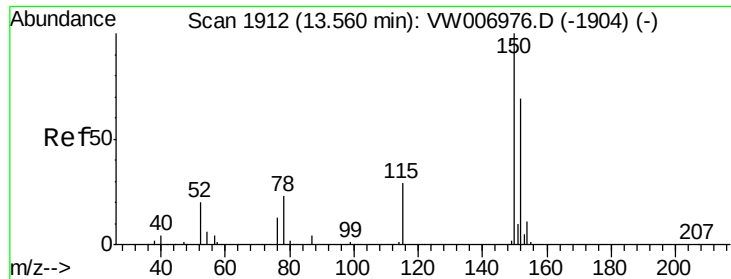
Tot Ion: 95 Resp: 66233
Ion Ratio Lower Upper
95 100
174 74.1 0.0 143.6
176 70.2 0.0 140.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007071.D
Acq: 27 Nov 2018 03:28

Tgt Ion: 117 Resp: 137104
Ion Ratio Lower Upper
117 100
82 55.4 44.2 66.2
119 31.8 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW007071.D

Acq: 27 Nov 2018 03:28

Instrument :

MSVOA_W

ClientSampleId :

OR-02-112118-BRE

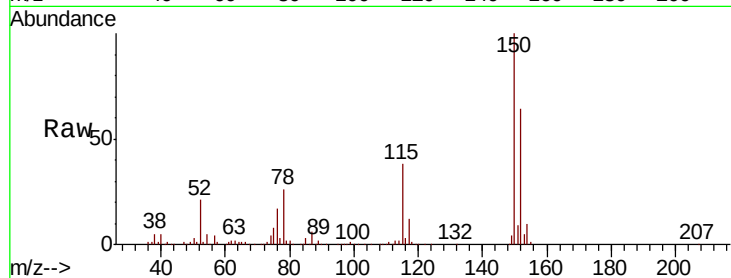
Tot Ion:152 Resp: 55473

Ion Ratio Lower Upper

152 100

115 62.2 31.4 94.2

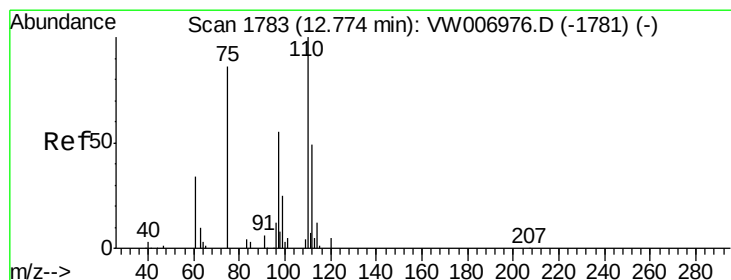
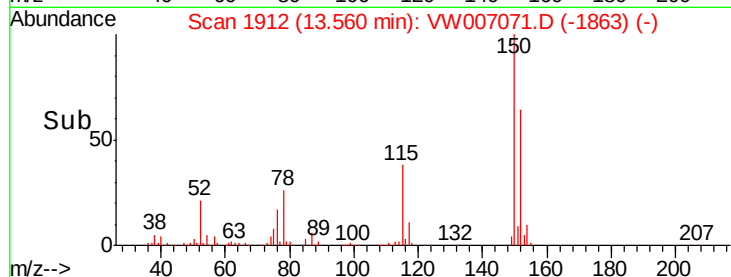
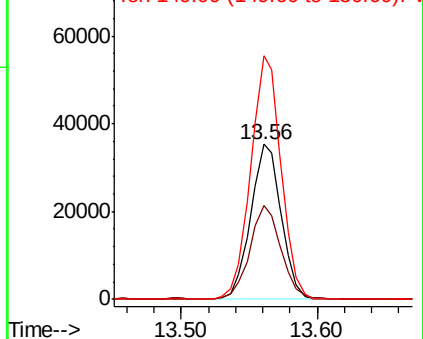
150 155.9 0.0 353.4



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



#76

1,2,3-Trichloropropane

Concen: 73.347 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007071.D

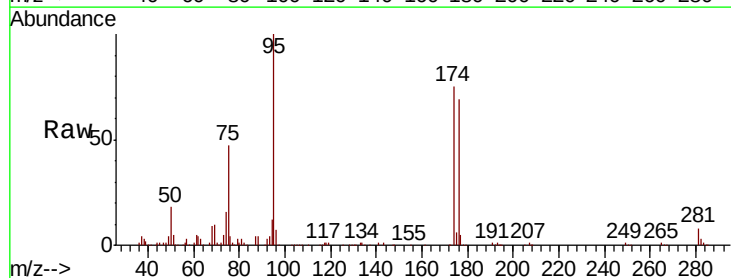
Acq: 27 Nov 2018 03:28

Tgt Ion: 75 Resp: 31972

Ion Ratio Lower Upper

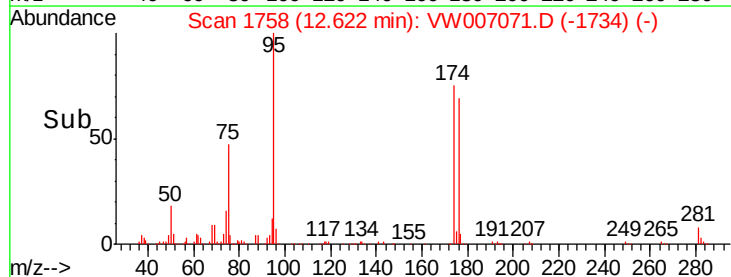
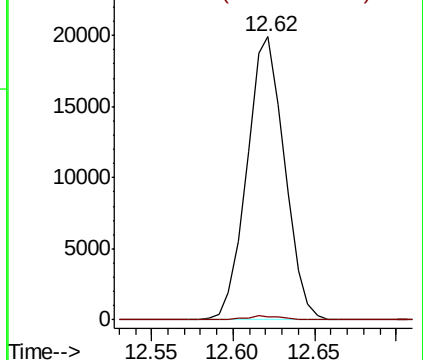
75 100

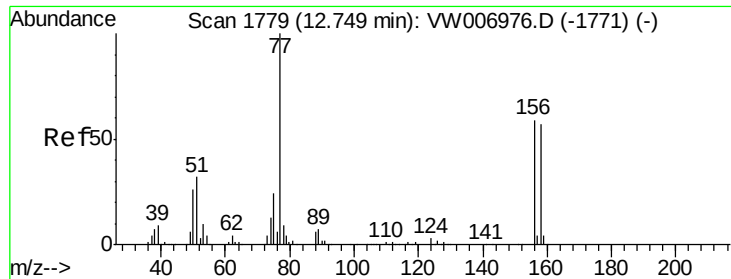
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 1.492 ug/l

RT: 12.90 min Scan# 1804

Delta R.T. 0.15 min

Lab File: VW007071.D

Acq: 27 Nov 2018 03:28

Instrument :

MSVOA_W

ClientSampleId :

OR-02-112118-BRE

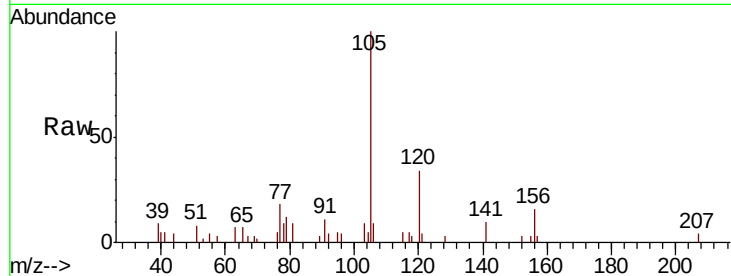
Tot Ion:156 Resp: 1382

Ion Ratio Lower Upper

156 100

77 43.1 94.6 283.8#

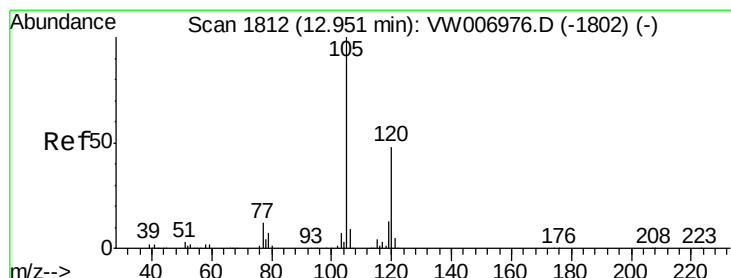
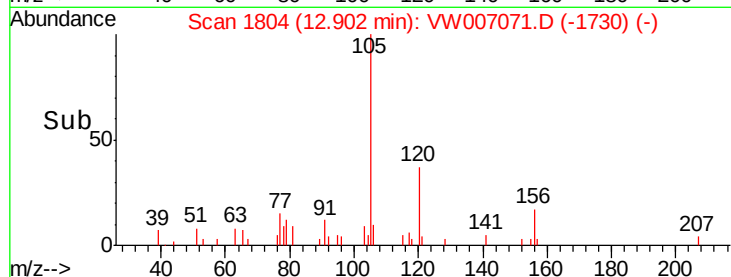
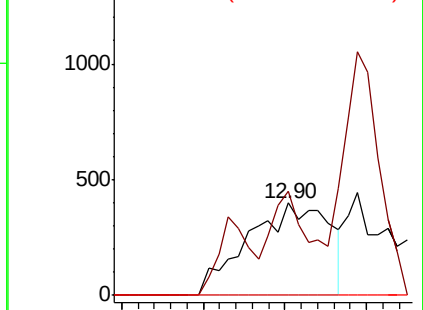
158 0.0 48.9 146.7#



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



#80

1,3,5-Trimethylbenzene

Concen: 3.303 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW007071.D

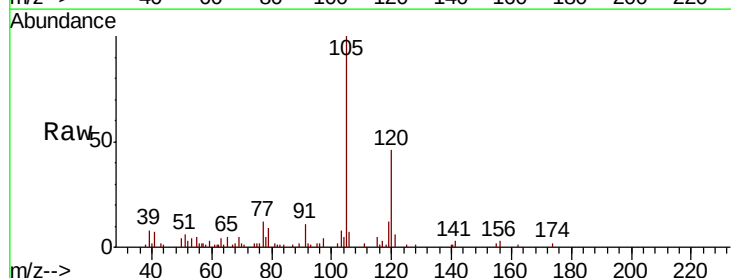
Acq: 27 Nov 2018 03:28

Tgt Ion:105 Resp: 12315

Ion Ratio Lower Upper

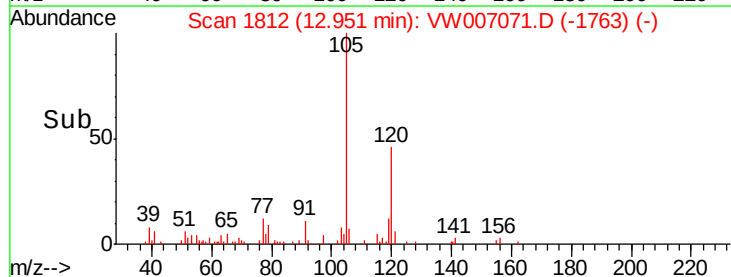
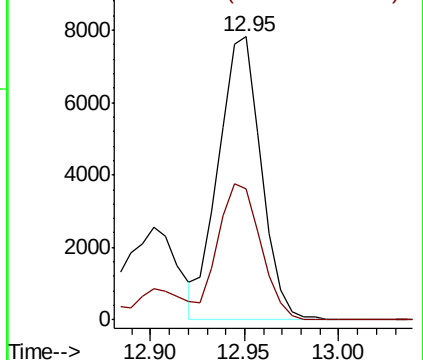
105 100

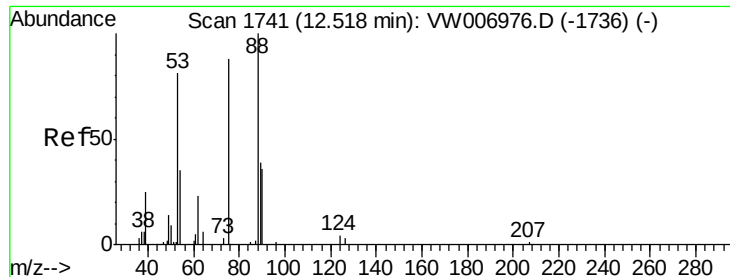
120 47.3 23.8 71.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 184.144 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW007071.D

Acq: 27 Nov 2018 03:28

Instrument :

MSVOA_W

ClientSampleId :

OR-02-112118-BRE

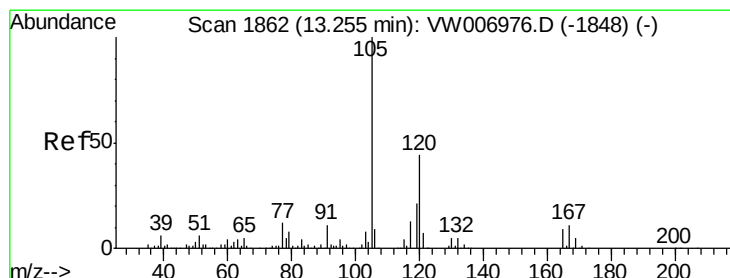
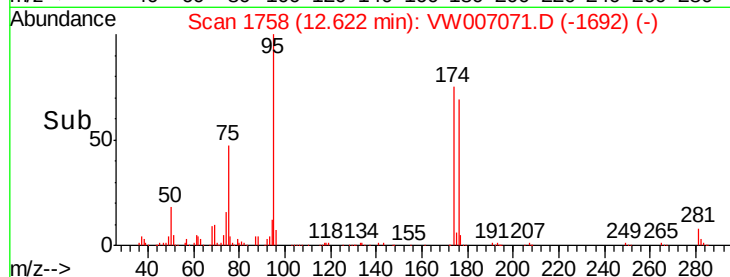
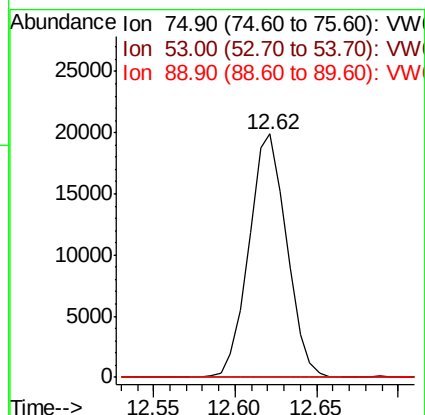
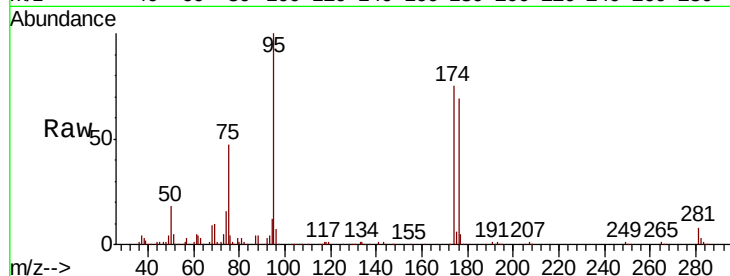
Tot Ion: 75 Resp: 31972

Ion Ratio Lower Upper

75 100

53 0.1 77.6 116.4#

89 0.0 39.3 58.9#



#84

1,2,4-Trimethylbenzene

Concen: 1.521 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW007071.D

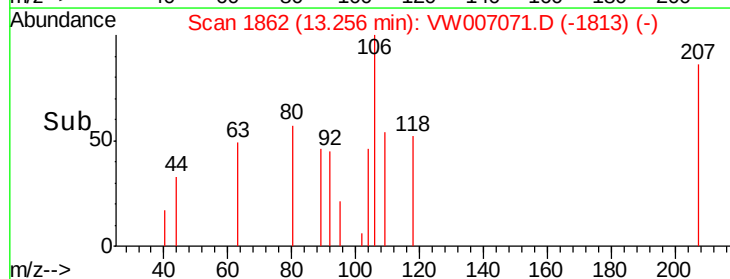
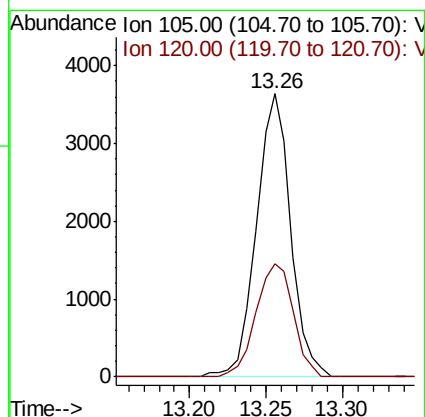
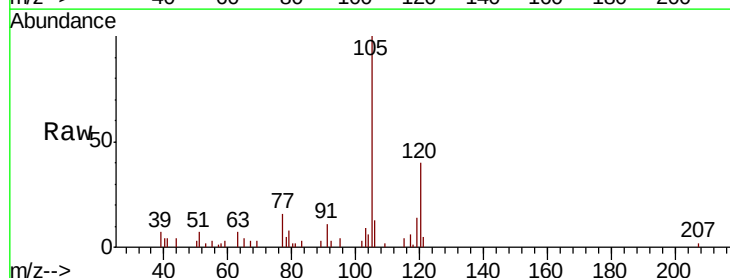
Acq: 27 Nov 2018 03:28

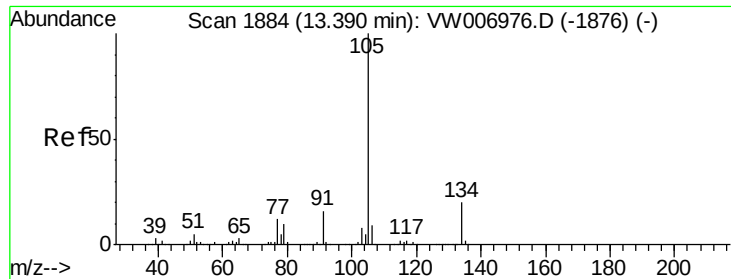
Tgt Ion: 105 Resp: 5651

Ion Ratio Lower Upper

105 100

120 43.8 21.8 65.3

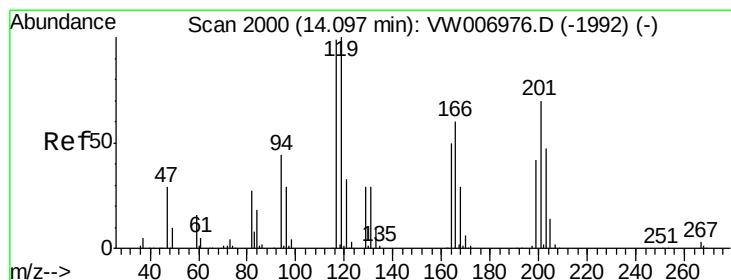
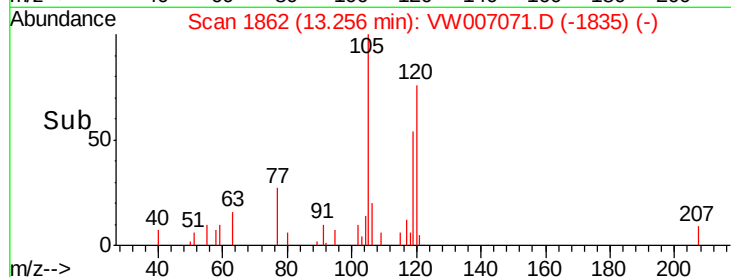
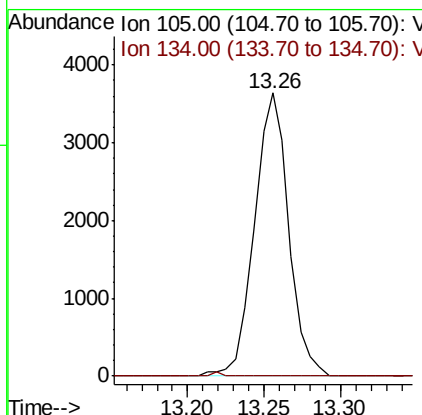
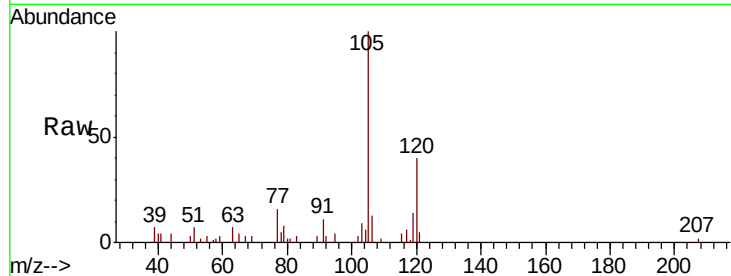




#85
 sec-Butylbenzene
 Concen: 1.239 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.13 min
 Lab File: VW007071.D
 Acq: 27 Nov 2018 03:28

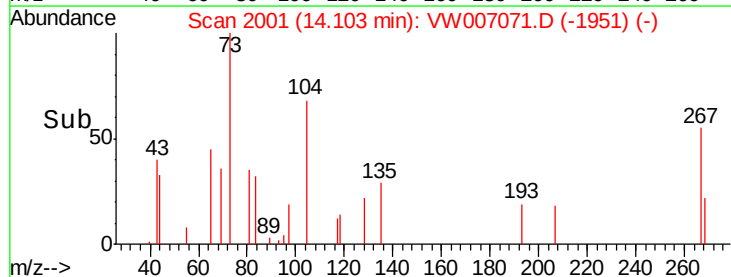
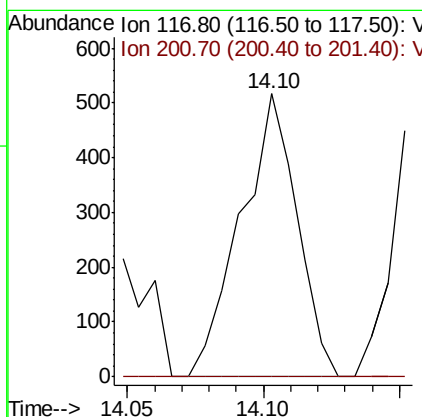
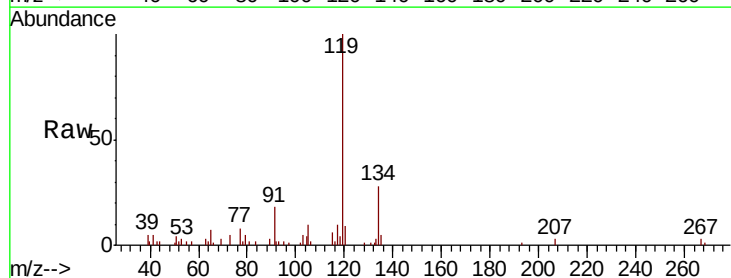
Instrument :
 MSVOA_W
 ClientSampleId :
 OR-02-112118-BRE

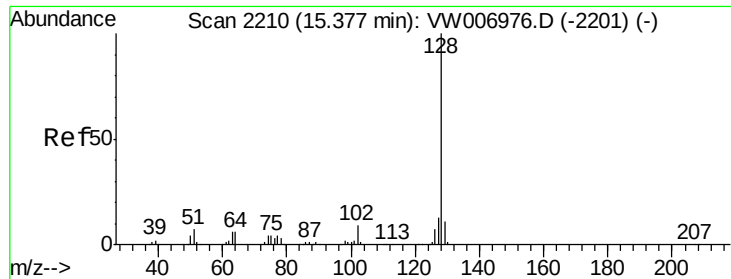
Tot Ion:105 Resp: 5651
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.3#



#90
 Hexachloroethane
 Concen: 1.262 ug/l
 RT: 14.10 min Scan# 2001
 Delta R.T. 0.01 min
 Lab File: VW007071.D
 Acq: 27 Nov 2018 03:28

Tgt Ion:117 Resp: 741
 Ion Ratio Lower Upper
 117 100
 201 0.0 35.9 107.5#





#95
Naphthalene
Concen: 14.965 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW007071.D
Acq: 27 Nov 2018 03:28

Instrument :
MSVOA_W
ClientSampleId :
OR-02-112118-BRE

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.5	15.7
129	11.2	8.7	13.1

