

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122318\
 Data File : VW007839.D
 Acq On : 22 Dec 2018 13:08
 Operator : SY/AP
 Sample : J6386-12RE
 Misc : 6.43G/5ML/MSVOA_W/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS006-1824-01

Quant Time: Dec 23 23:51:03 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	77155	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	128106	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	96466	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	33924	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	40522	47.92	ug/l	0.00
Spiked Amount			Recovery	=	95.84%	
35) Dibromofluoromethane	7.88	113	33442	42.79	ug/l	0.00
Spiked Amount			Recovery	=	85.58%	
50) Toluene-d8	10.32	98	115937	39.35	ug/l	0.00
Spiked Amount			Recovery	=	78.70%	
62) 4-Bromofluorobenzene	12.62	95	36317	31.91	ug/l	0.00
Spiked Amount			Recovery	=	63.82%	

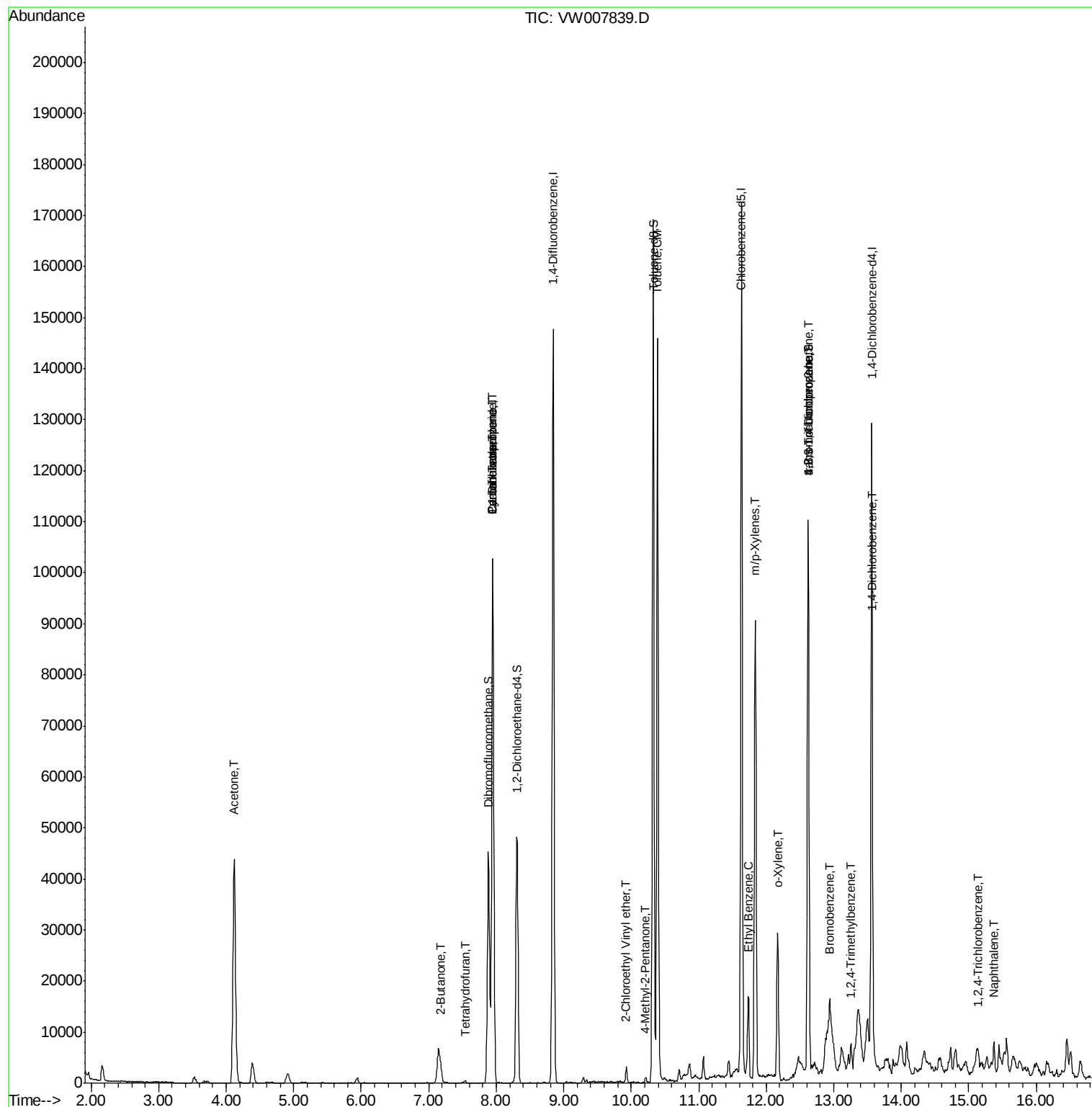
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	75584	477.302	ug/l	95
20) Methylene Chloride	4.92	84	1614	Below Cal	#	87
25) 2-Butanone	7.18	43	4838	26.083	ug/l	97
29) Tetrahydrofuran	7.54	42	437	3.950	ug/l #	69
31) Cyclohexane	7.95	56	1472	1.169	ug/l #	12
36) 1,1-Dichloropropene	7.95	75	5627	4.551	ug/l #	49
38) Carbon Tetrachloride	7.95	117	7601	5.220	ug/l #	14
51) 4-Methyl-2-Pentanone	10.21	43	720	1.782	ug/l	92
52) Toluene	10.39	92	63801	28.821	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	1423	4.246	ug/l	95
67) Ethyl Benzene	11.73	91	11092	3.096	ug/l	94
68) m/p-Xylenes	11.84	106	27190	19.563	ug/l	100
69) o-Xylene	12.17	106	8063	6.189	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	17691	67.471	ug/l #	100
77) Bromobenzene	12.93	156	15216	25.892	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	17691	141.627	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.26	105	4080	1.828	ug/l	95
88) 1,4-Dichlorobenzene	13.58	146	1215	1.041	ug/l #	62
93) 1,2,4-Trichlorobenzene	15.15	180	944	1.302	ug/l #	87
95) Naphthalene	15.37	128	5146	3.838	ug/l	97

(#) = 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. 0.01 min

Lab File: VW007839.D

Acq: 22 Dec 2018 13:08

Instrument :

MSVOA_W

ClientSampleId :

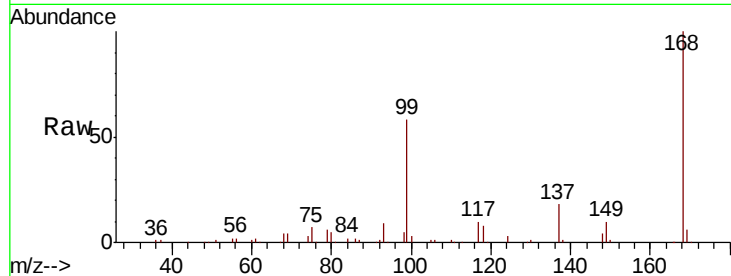
P001-SS006-1824-01

Tgt Ion: 168 Resp: 77155

Ion Ratio Lower Upper

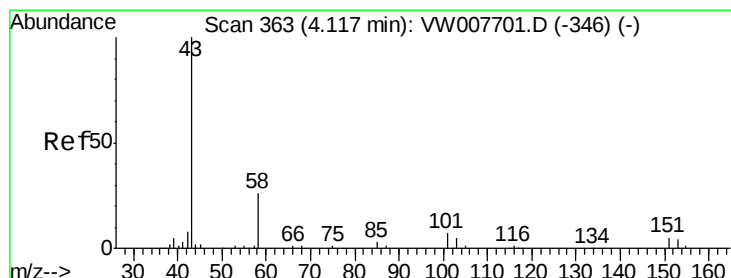
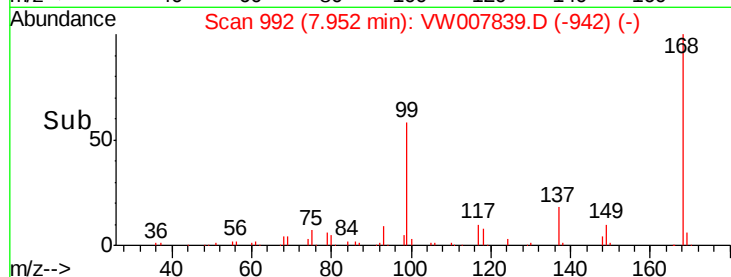
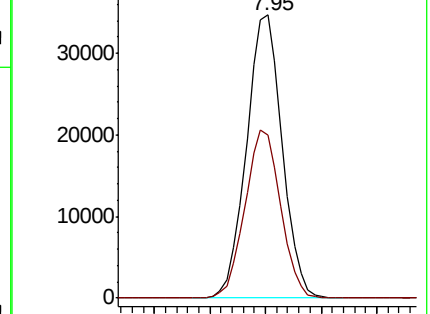
168 100

99 57.7 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 477.302 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW007839.D

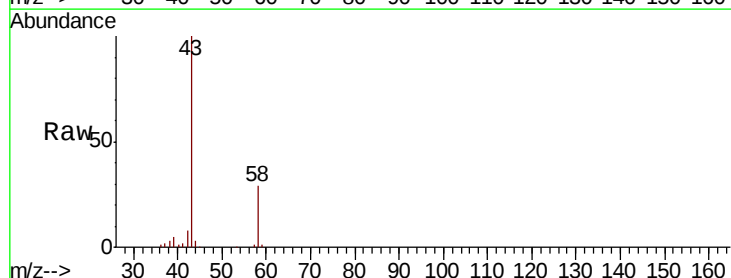
Acq: 22 Dec 2018 13:08

Tgt Ion: 43 Resp: 75584

Ion Ratio Lower Upper

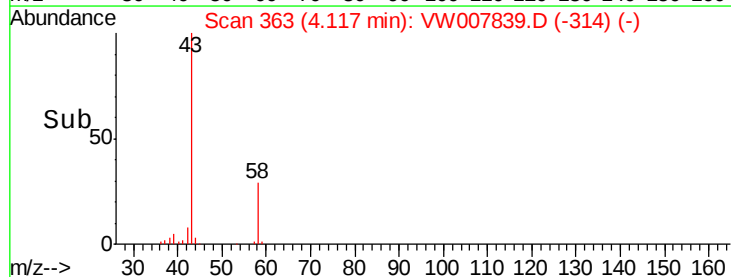
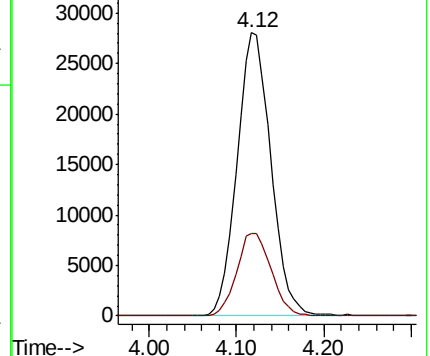
43 100

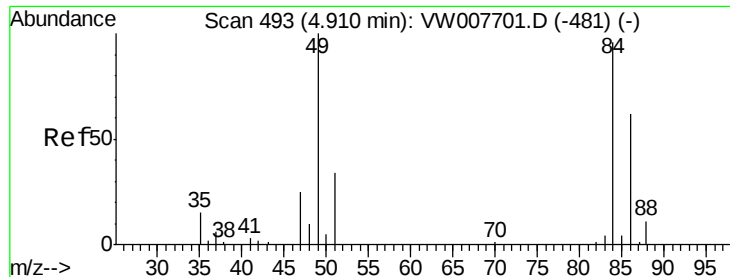
58 29.2 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

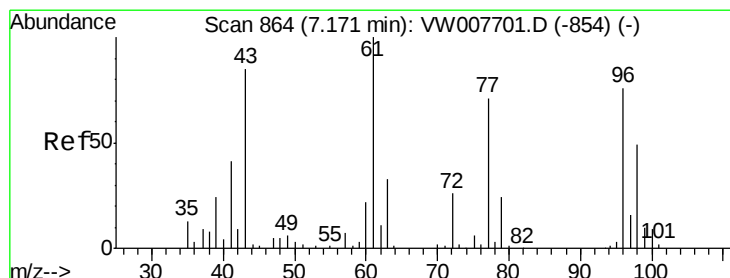
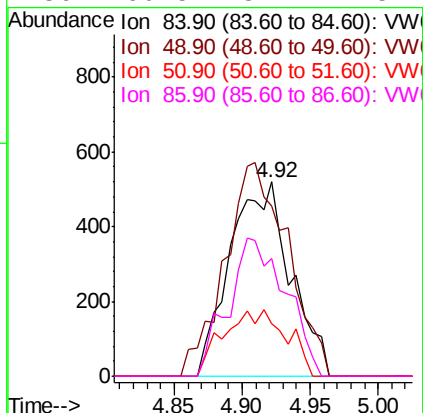
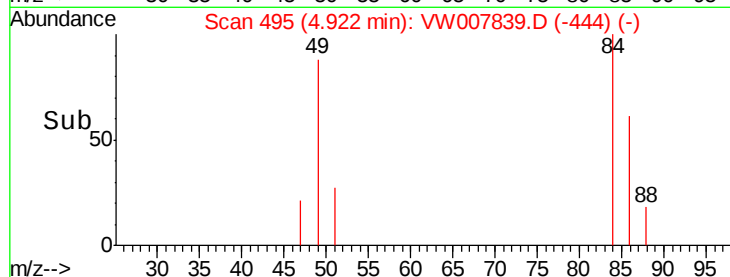
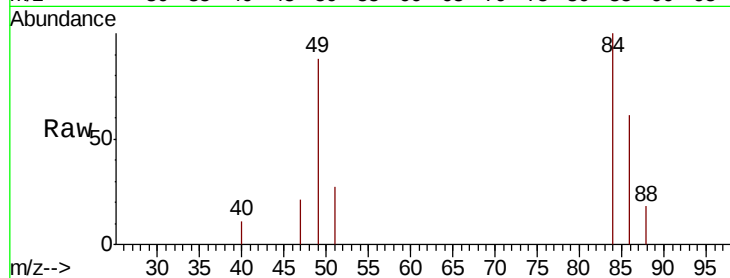




#20
Methylene Chloride
Concen: Below Cal
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW007839.D
Acq: 22 Dec 2018 13:08

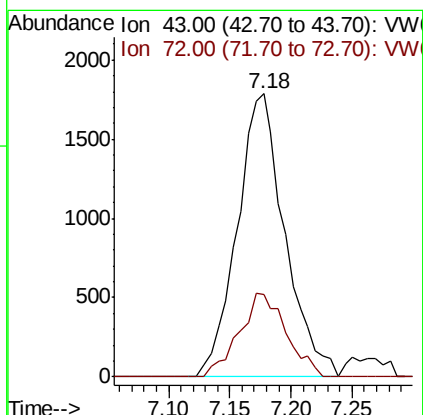
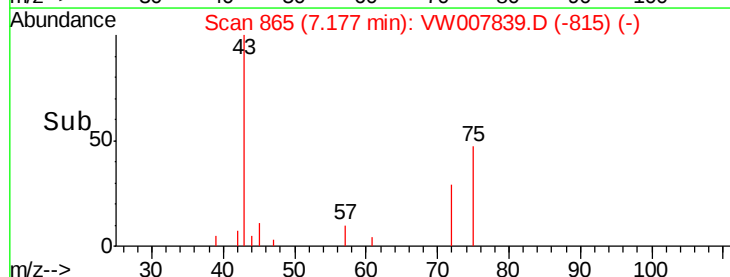
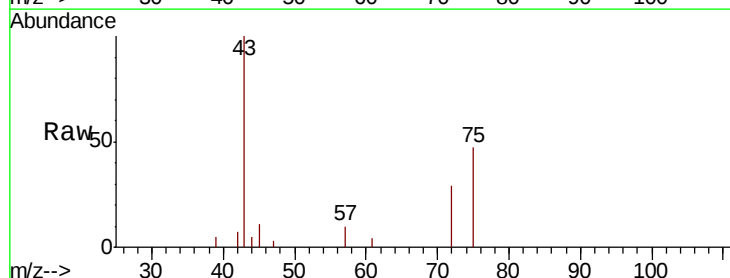
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P001-SS006-1824-01

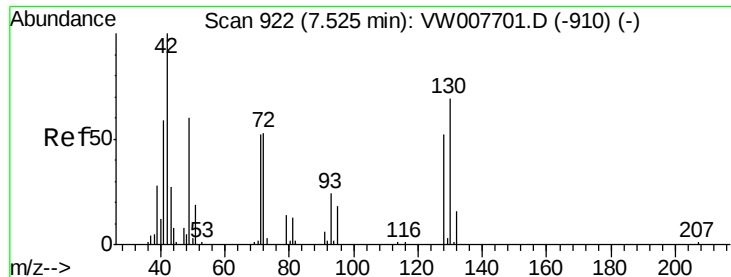
Tgt Ion: 84 Resp: 1614
Ion Ratio Lower Upper
84 100
49 88.1 83.7 125.5
51 26.8 28.2 42.2#
86 60.5 52.2 78.2



#25
2-Butanone
Concen: 26.083 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW007839.D
Acq: 22 Dec 2018 13:08

Tgt Ion: 43 Resp: 4838
Ion Ratio Lower Upper
43 100
72 28.9 24.5 36.7

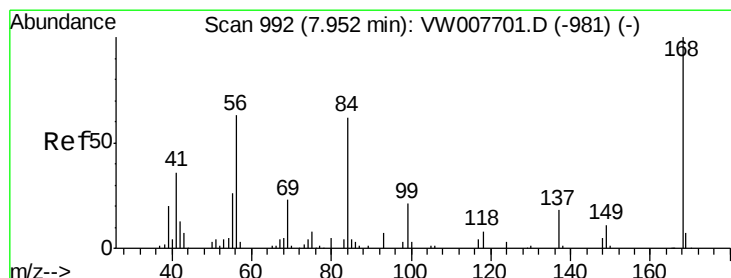
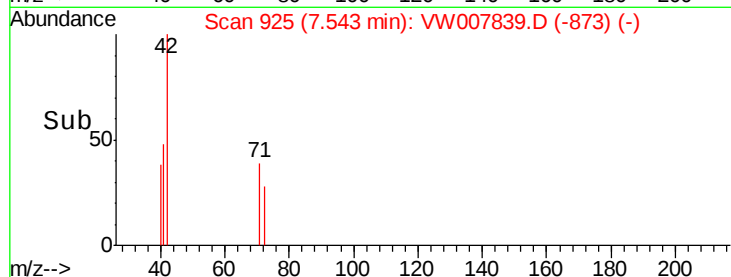
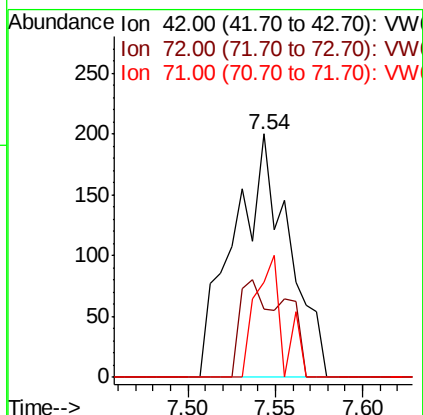
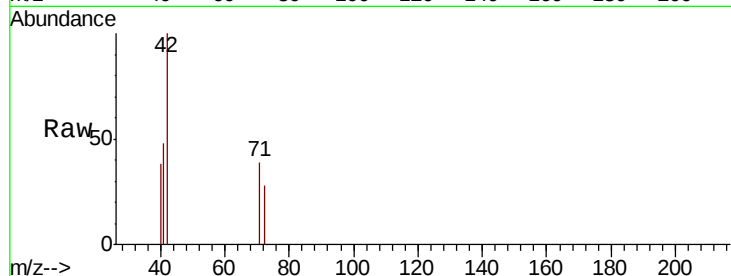




#29
Tetrahydrofuran
Concen: 3.950 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.02 min
Lab File: VW007839.D
Acq: 22 Dec 2018 13:08

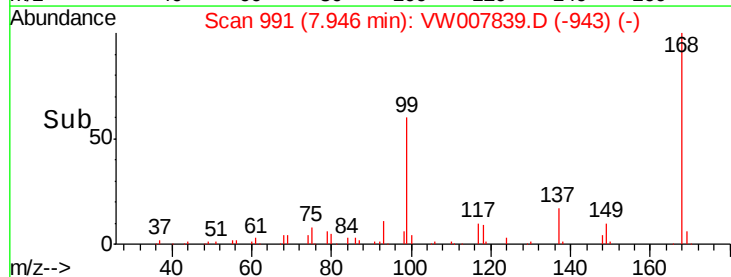
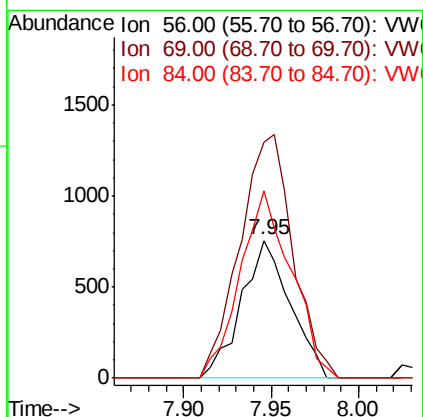
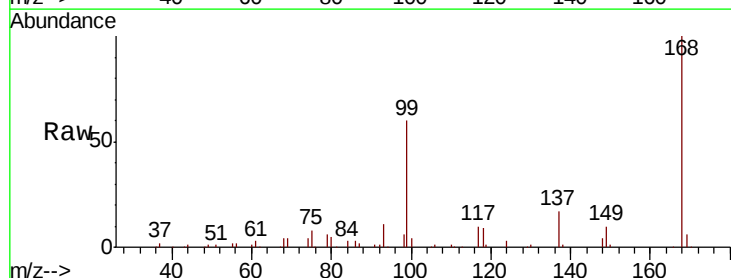
Instrument :
MSVOA_W
ClientSampleId :
P001-SS006-1824-01

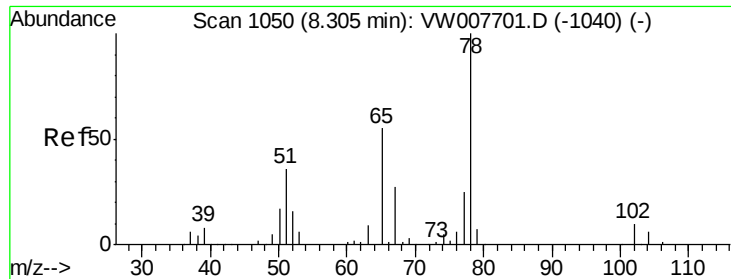
Tgt Ion: 42 Resp: 437
Ion Ratio Lower Upper
42 100
72 32.7 41.7 62.5#
71 24.7 39.0 58.6#



#31
Cyclohexane
Concen: 1.169 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW007839.D
Acq: 22 Dec 2018 13:08

Tgt Ion: 56 Resp: 1472
Ion Ratio Lower Upper
56 100
69 171.0 29.7 44.5#
84 135.4 78.9 118.3#

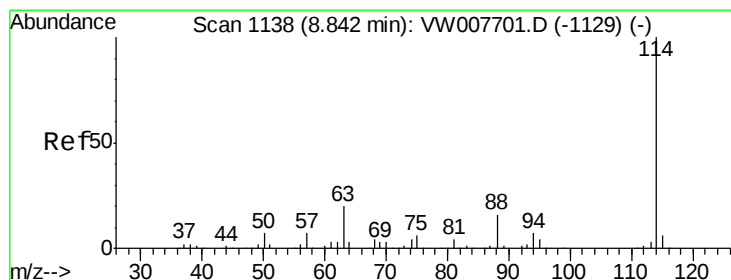
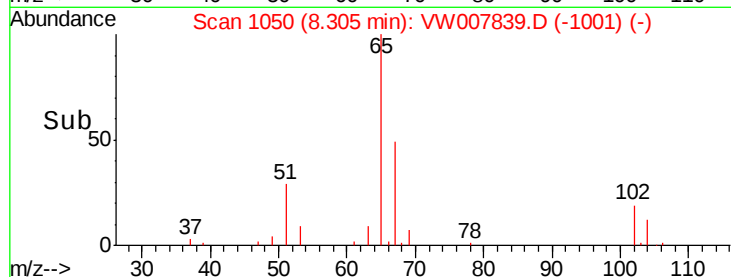
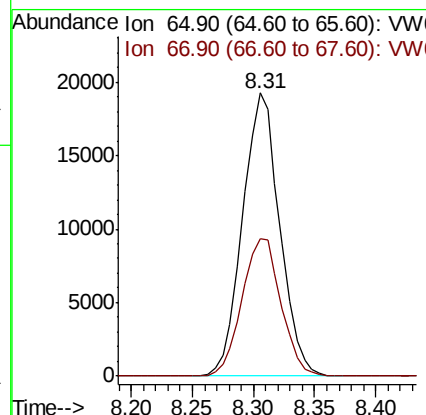
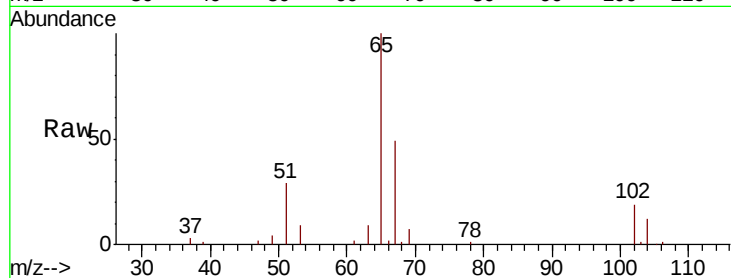




#33
 1,2-Dichloroethane-d4
 Concen: 47.918 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW007839.D
 Acq: 22 Dec 2018 13:08

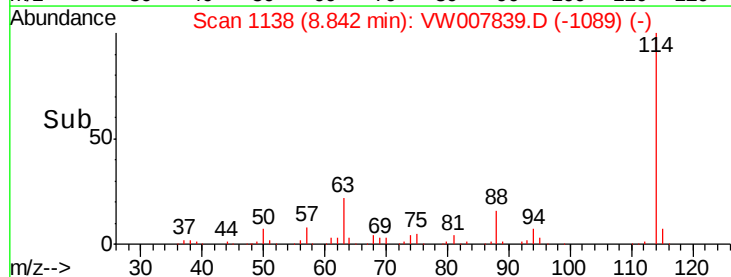
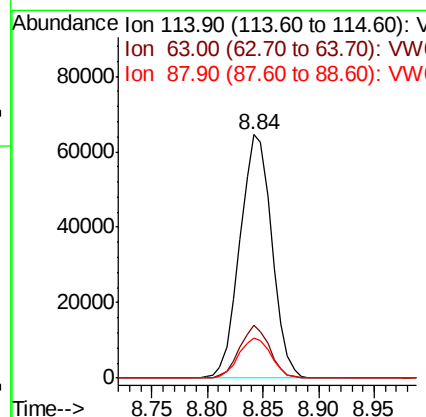
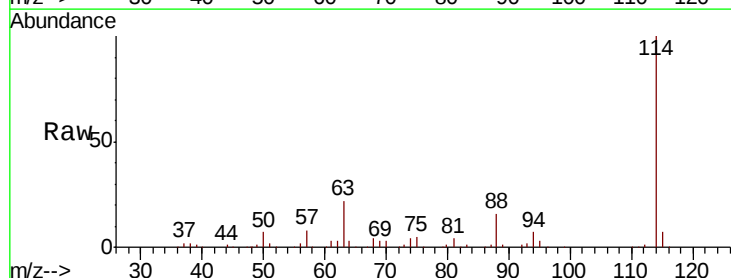
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS006-1824-01

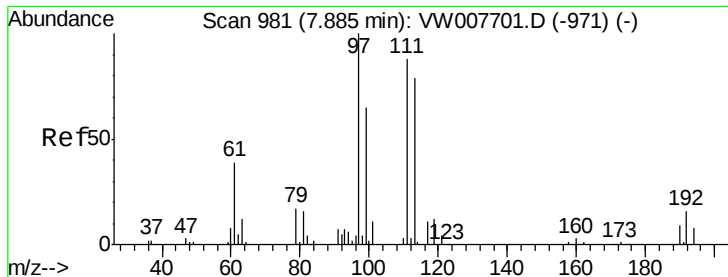
Tgt Ion: 65 Resp: 40522
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 100.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW007839.D
 Acq: 22 Dec 2018 13:08

Tgt Ion: 114 Resp: 128106
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 40.0
 88 16.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 42.791 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007839.D

Acq: 22 Dec 2018 13:08

Instrument :

MSVOA_W

ClientSampleId :

P001-SS006-1824-01

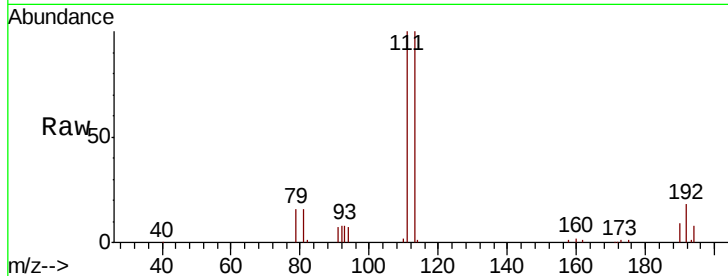
Tgt Ion:113 Resp: 33442

Ion Ratio Lower Upper

113 100

111 101.8 82.6 124.0

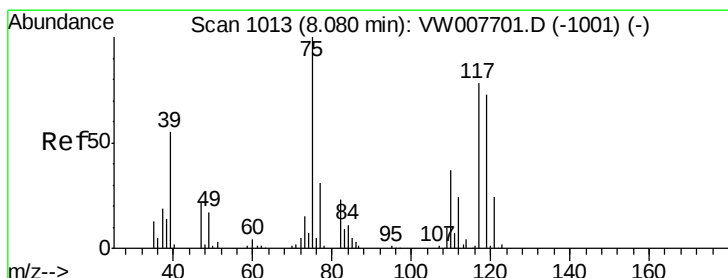
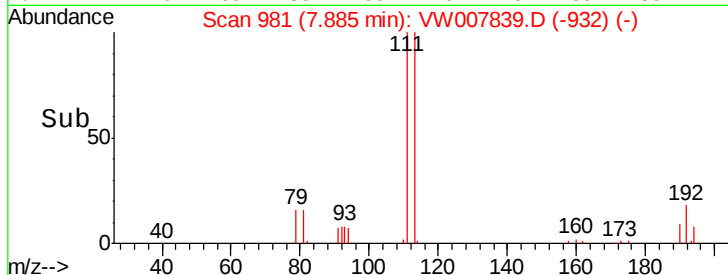
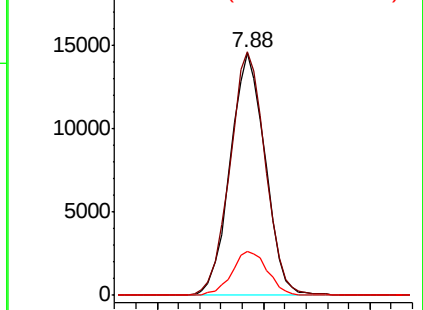
192 18.4 15.5 23.3



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



#36

1,1-Dichloropropene

Concen: 4.551 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW007839.D

Acq: 22 Dec 2018 13:08

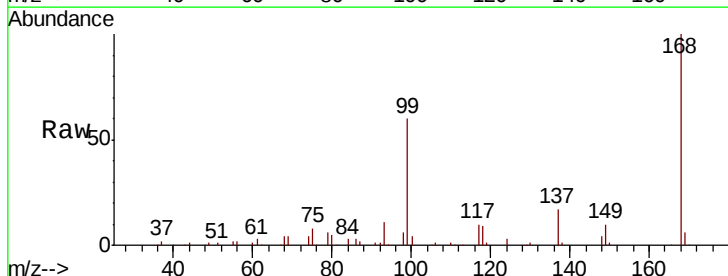
Tgt Ion: 75 Resp: 5627

Ion Ratio Lower Upper

75 100

110 10.0 18.6 55.8#

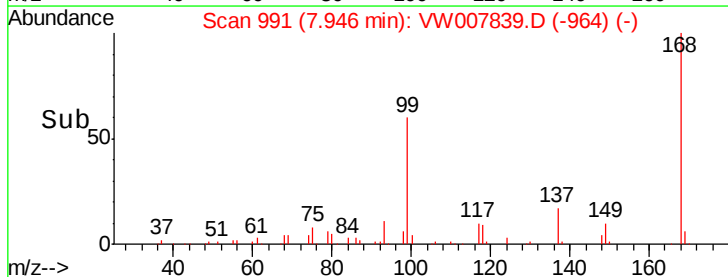
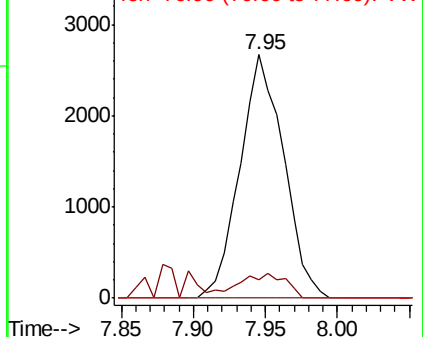
77 0.0 25.0 37.4#

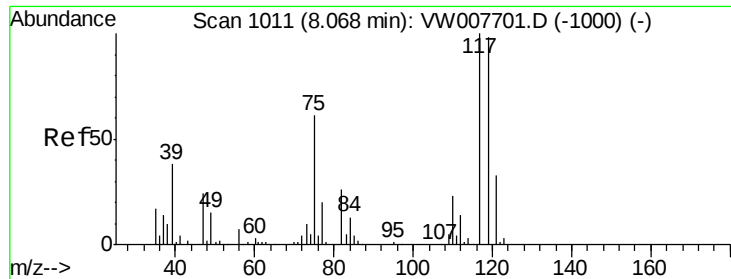


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

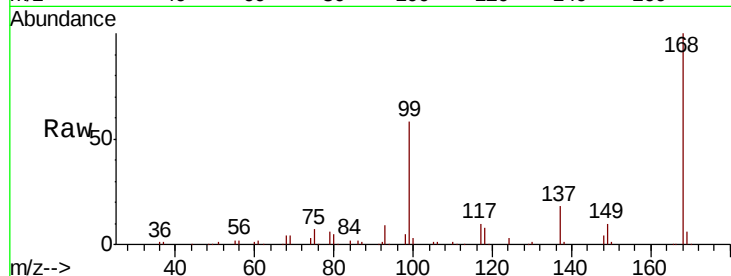




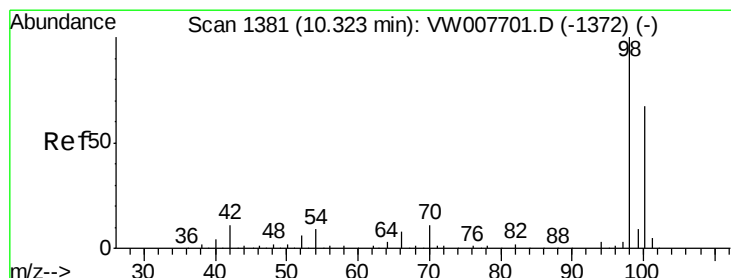
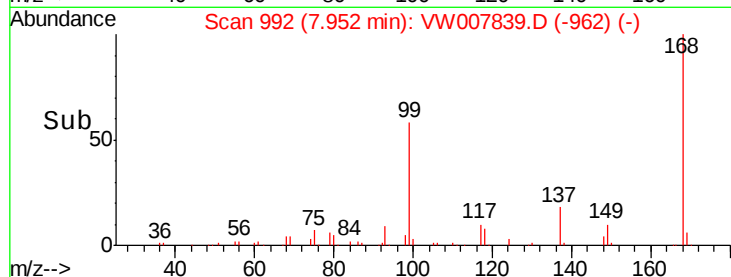
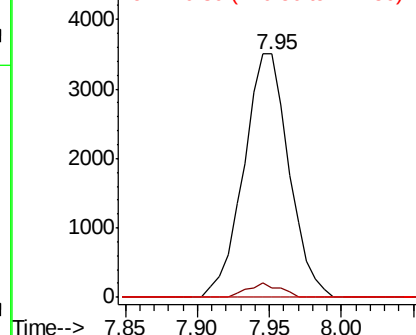
#38
Carbon Tetrachloride
Concen: 5.220 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW007839.D
Acq: 22 Dec 2018 13:08

Instrument :
MSVOA_W
ClientSampleId :
P001-SS006-1824-01

Tgt Ion: 117 Resp: 7601
Ion Ratio Lower Upper
117 100
119 4.1 78.2 117.2#
121 0.0 26.1 39.1#

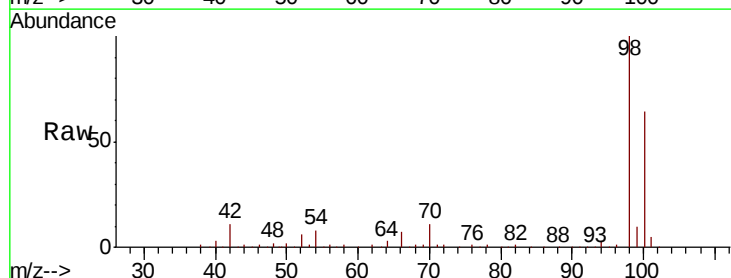


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

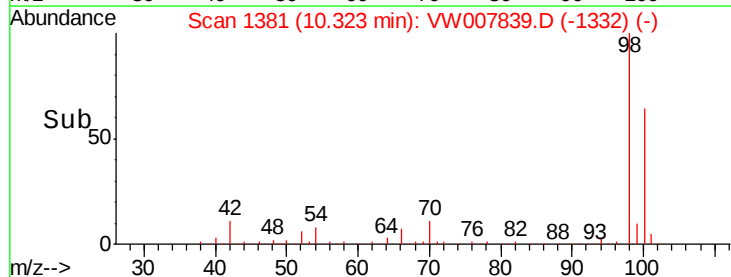
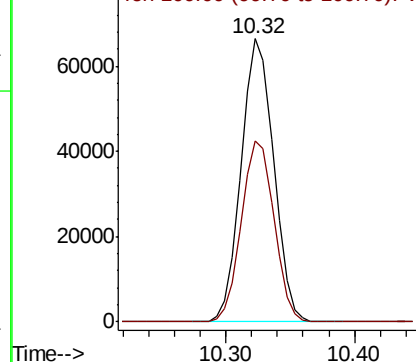


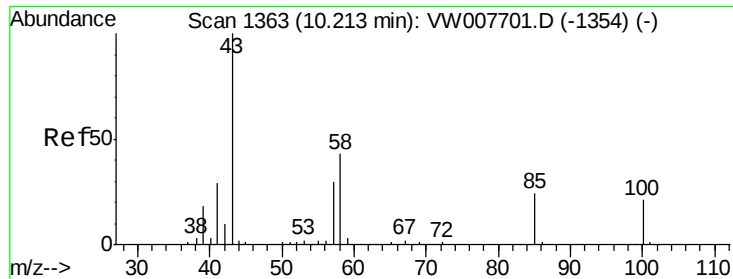
#50
Toluene-d8
Concen: 39.351 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007839.D
Acq: 22 Dec 2018 13:08

Tgt Ion: 98 Resp: 115937
Ion Ratio Lower Upper
98 100
100 64.3 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: 1.782 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW007839.D

Acq: 22 Dec 2018 13:08

Instrument :

MSVOA_W

ClientSampleId :

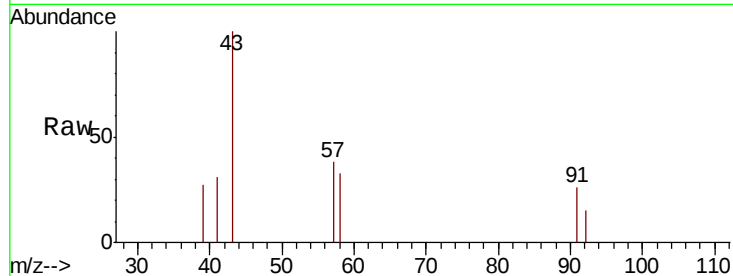
P001-SS006-1824-01

Tgt Ion: 43 Resp: 720

Ion Ratio Lower Upper

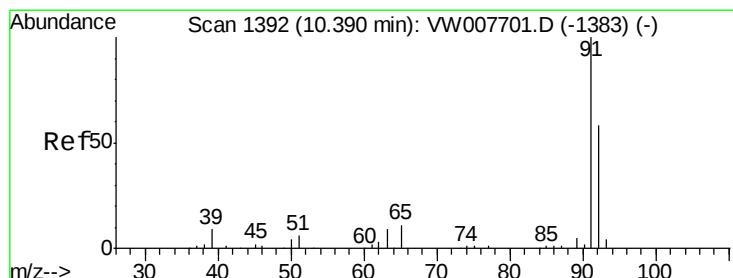
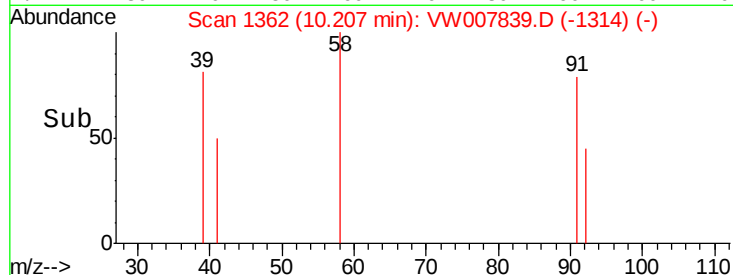
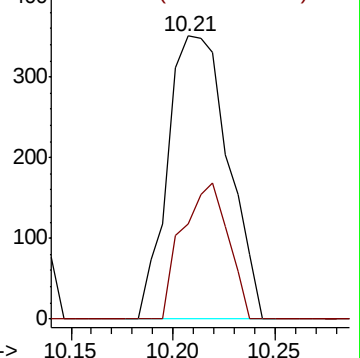
43 100

58 36.4 33.2 49.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 28.821 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007839.D

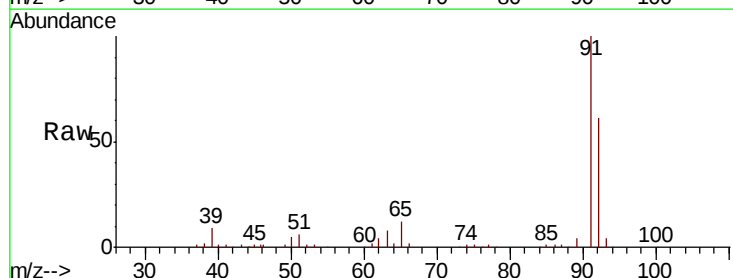
Acq: 22 Dec 2018 13:08

Tgt Ion: 92 Resp: 63801

Ion Ratio Lower Upper

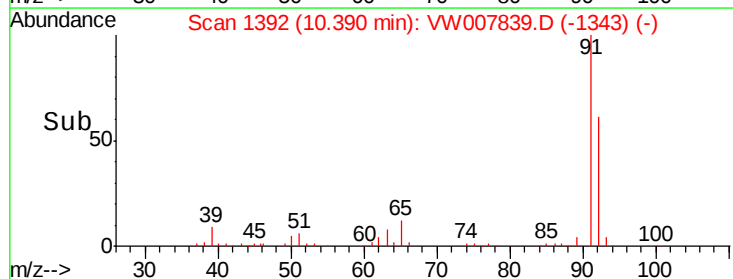
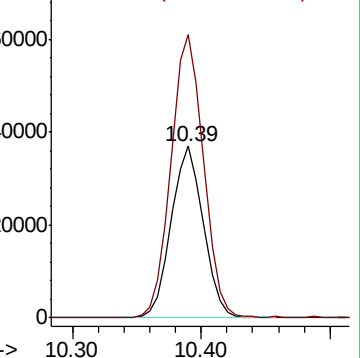
92 100

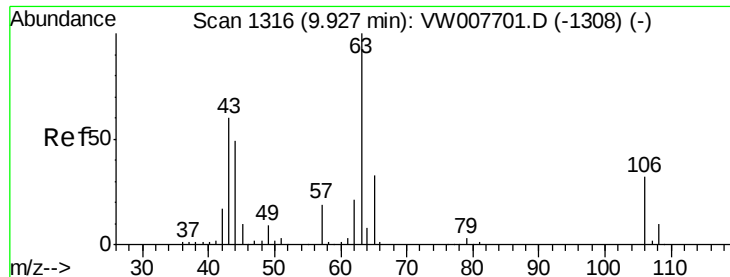
91 167.8 137.0 205.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

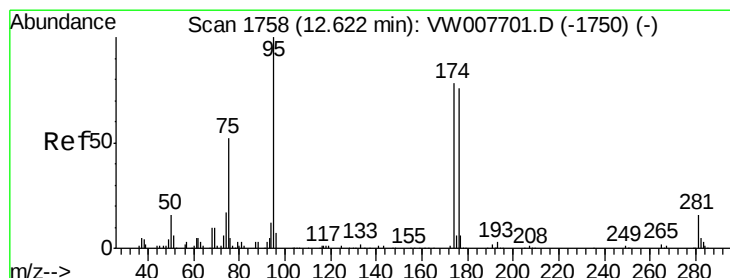
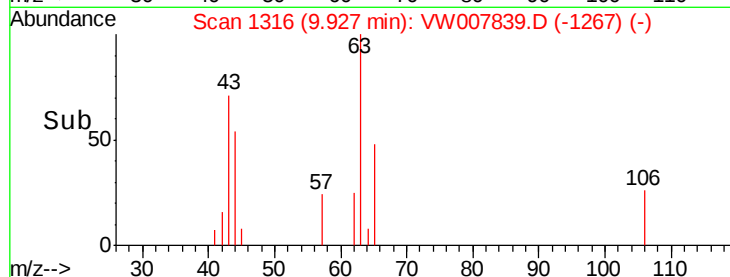
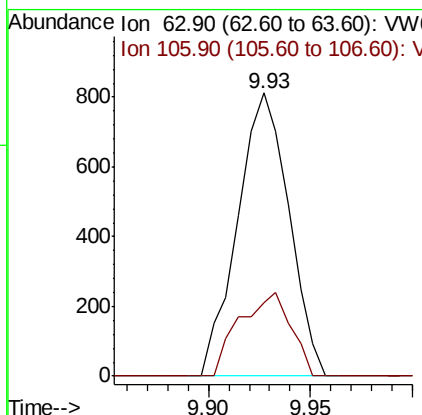
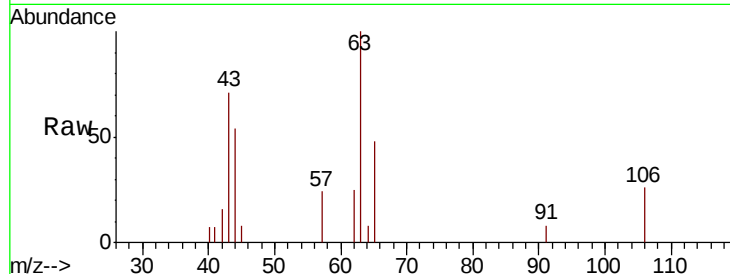




#58
 2-Chloroethyl Vinyl ether
 Concen: 4.246 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007839.D
 Acq: 22 Dec 2018 13:08

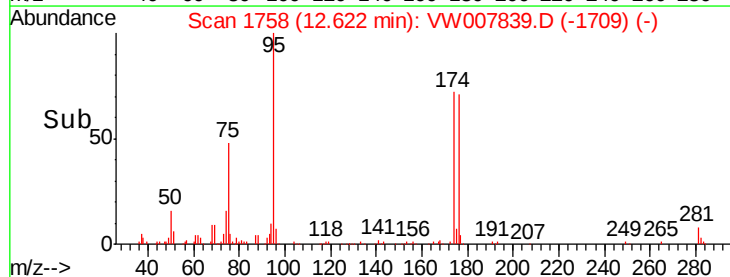
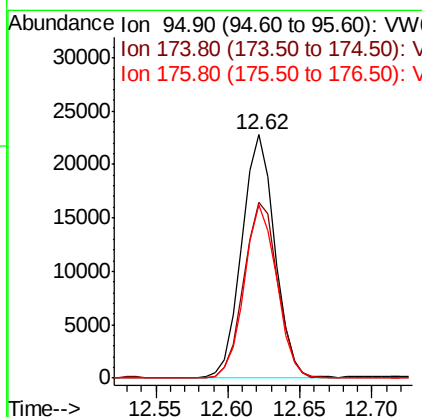
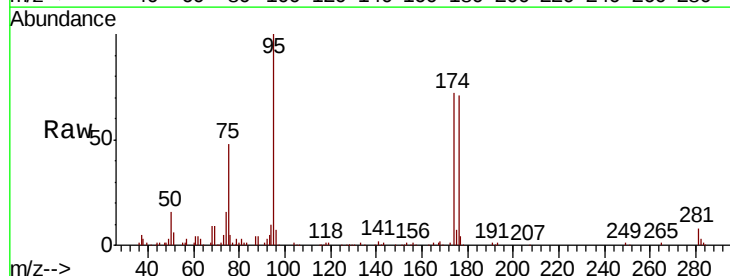
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS006-1824-01

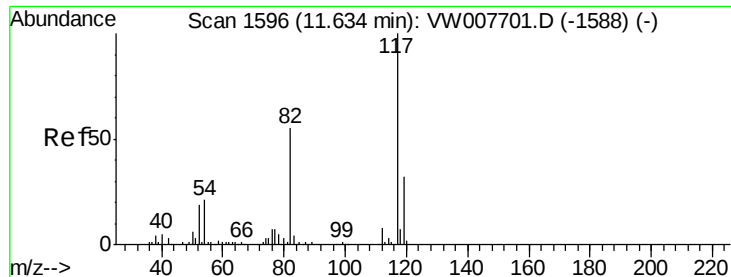
Tgt Ion: 63 Resp: 1423
 Ion Ratio Lower Upper
 63 100
 106 29.5 25.9 38.9



#62
 4-Bromofluorobenzene
 Concen: 31.908 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007839.D
 Acq: 22 Dec 2018 13:08

Tgt Ion: 95 Resp: 36317
 Ion Ratio Lower Upper
 95 100
 174 73.6 0.0 152.2
 176 69.8 0.0 146.8

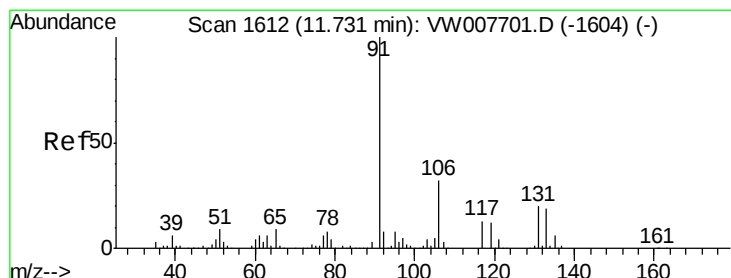
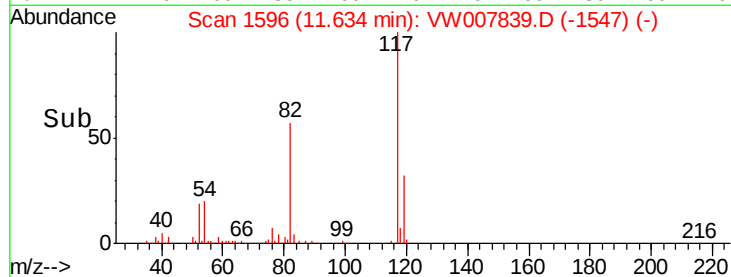
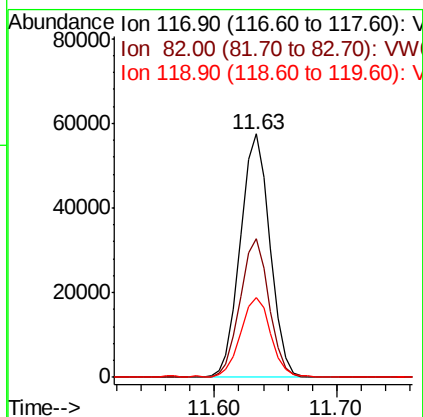
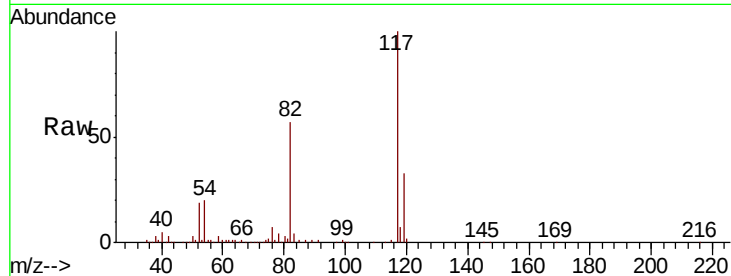




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007839.D
Acq: 22 Dec 2018 13:08

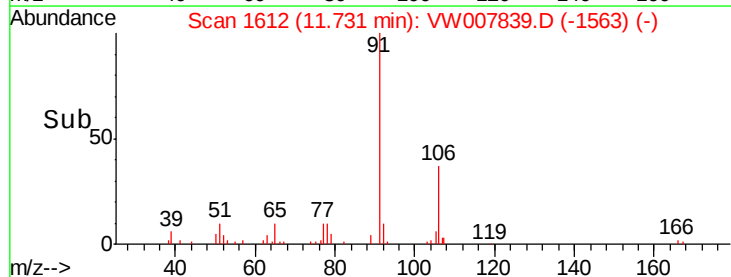
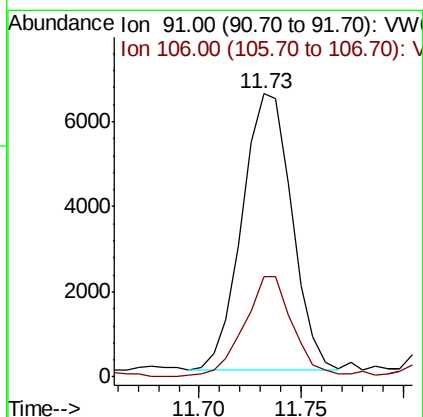
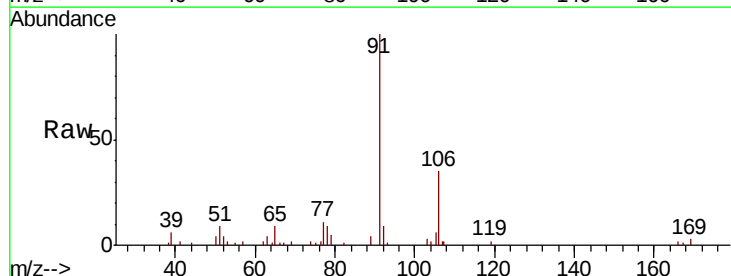
Instrument :
MSVOA_W
ClientSampleId :
P001-SS006-1824-01

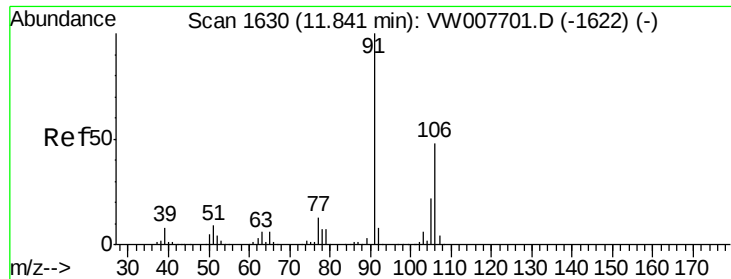
Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.8	44.3	66.5
119	32.3	25.7	38.5



#67
Ethyl Benzene
Concen: 3.096 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007839.D
Acq: 22 Dec 2018 13:08

Tgt Ion	Ratio	Lower	Upper
91	100		
106	35.5	25.8	38.8

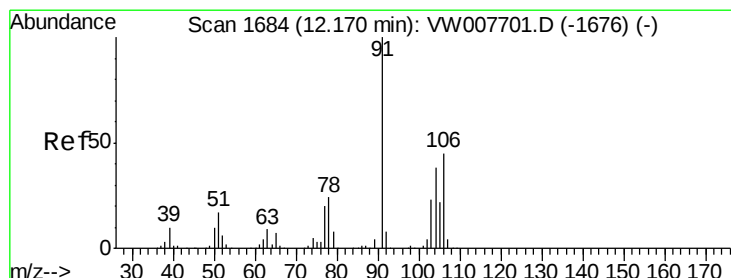
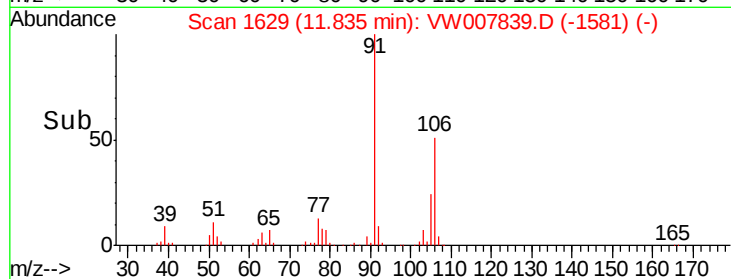
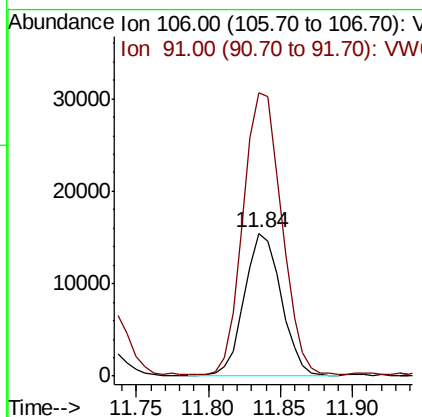
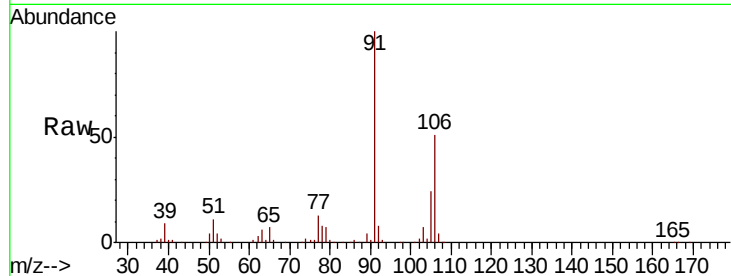




#68
m/p-Xylenes
Concen: 19.563 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW007839.D
Acq: 22 Dec 2018 13:08

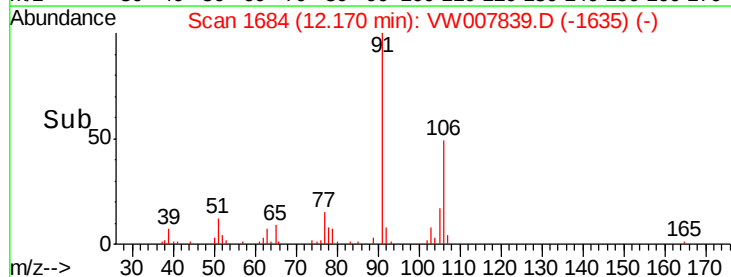
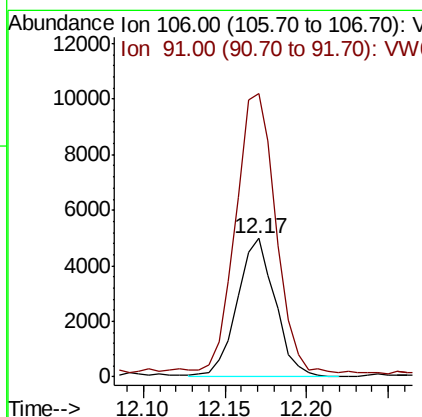
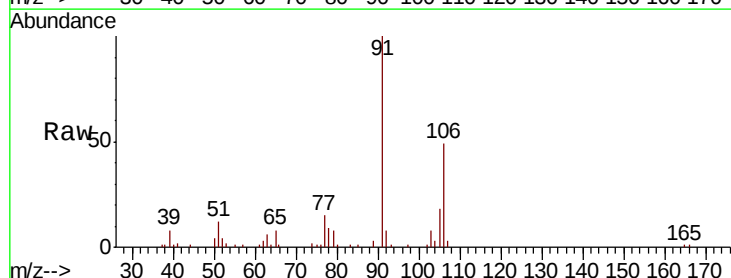
Instrument :
MSVOA_W
ClientSampleId :
P001-SS006-1824-01

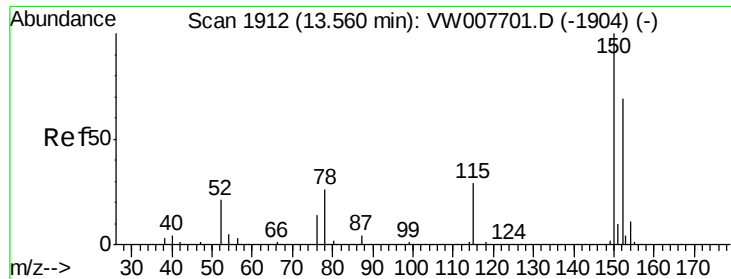
Tgt Ion:106 Resp: 27190
Ion Ratio Lower Upper
106 100
91 207.1 165.2 247.8



#69
o-Xylene
Concen: 6.189 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007839.D
Acq: 22 Dec 2018 13:08

Tgt Ion:106 Resp: 8063
Ion Ratio Lower Upper
106 100
91 215.5 110.5 331.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007839.D

Acq: 22 Dec 2018 13:08

Instrument :

MSVOA_W

ClientSampleId :

P001-SS006-1824-01

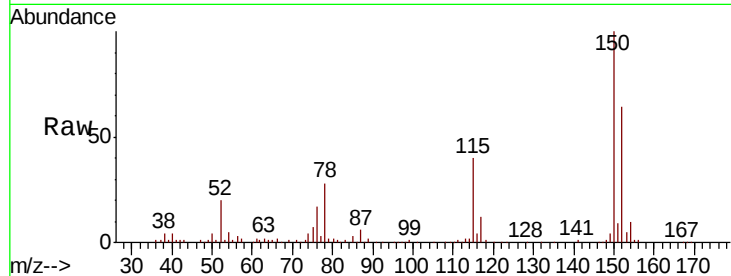
Tgt Ion:152 Resp: 33924

Ion Ratio Lower Upper

152 100

115 62.9 31.8 95.4

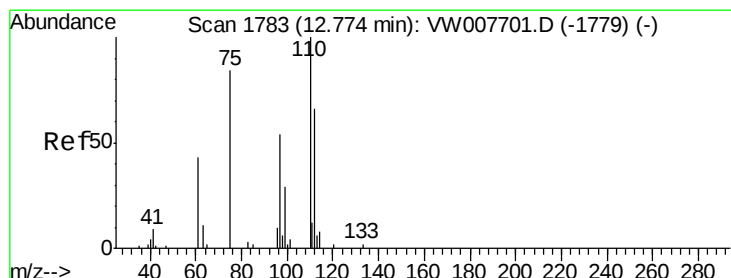
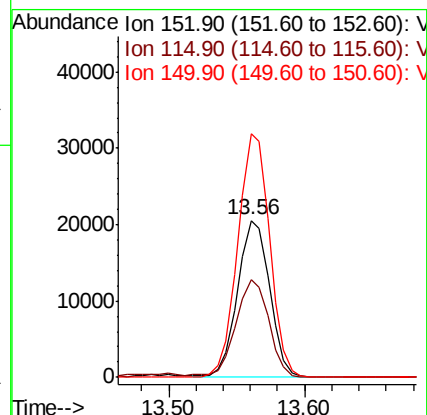
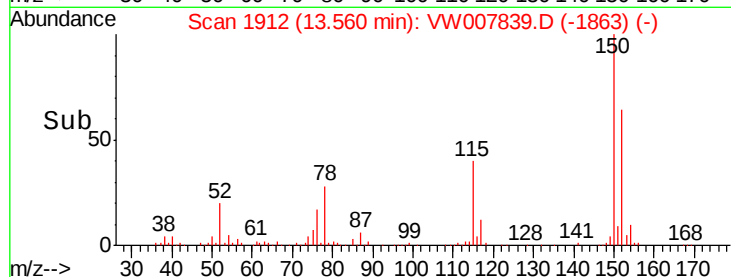
150 153.3 0.0 350.8



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: 67.471 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW007839.D

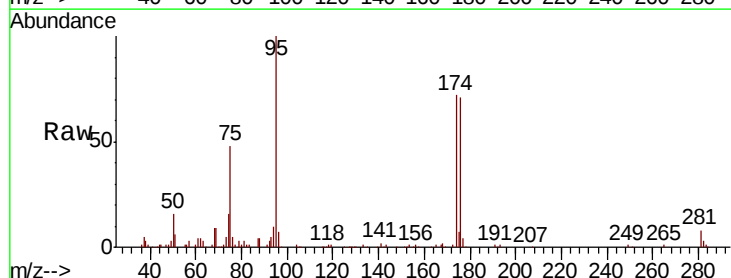
Acq: 22 Dec 2018 13:08

Tgt Ion: 75 Resp: 17691

Ion Ratio Lower Upper

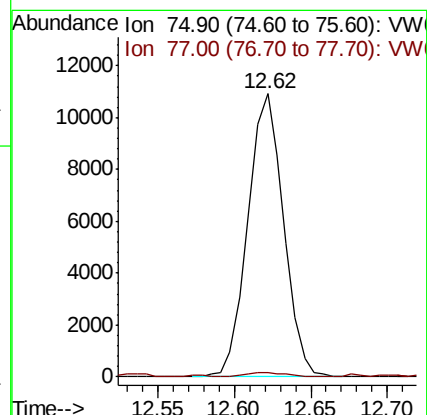
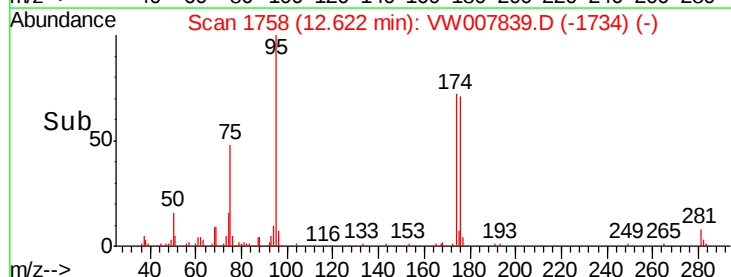
75 100

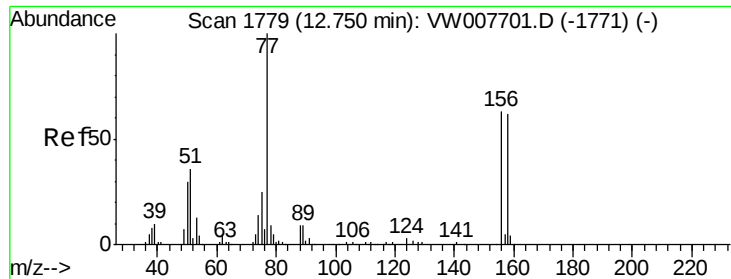
77 1.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

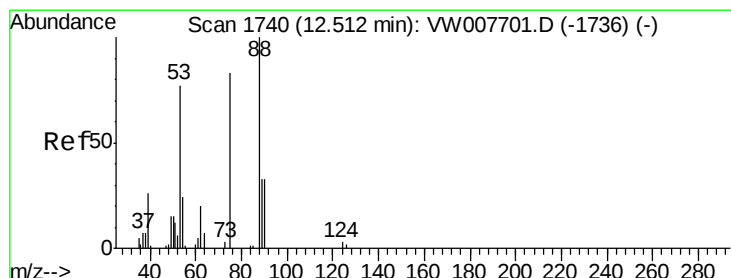
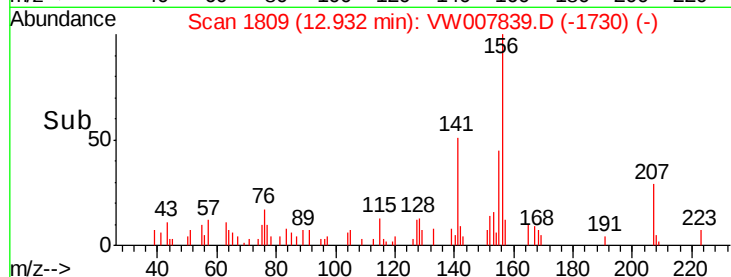
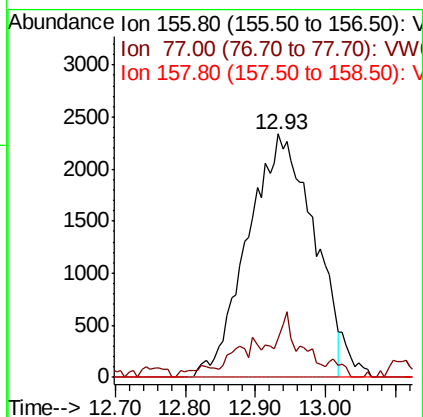
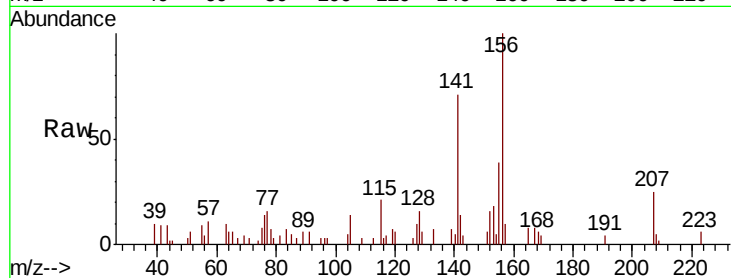




#77
Bromobenzene
Concen: 25.892 ug/l
RT: 12.93 min Scan# 1809
Delta R.T. 0.18 min
Lab File: VW007839.D
Acq: 22 Dec 2018 13:08

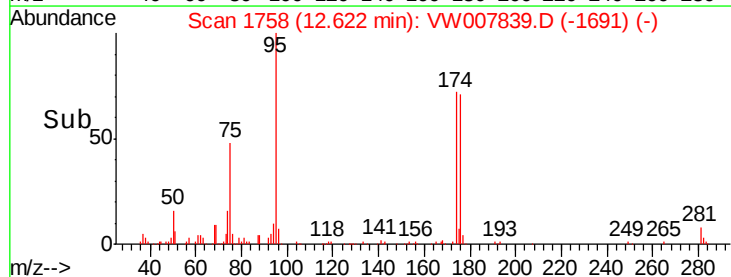
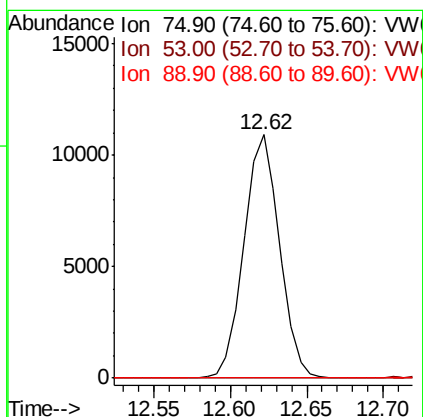
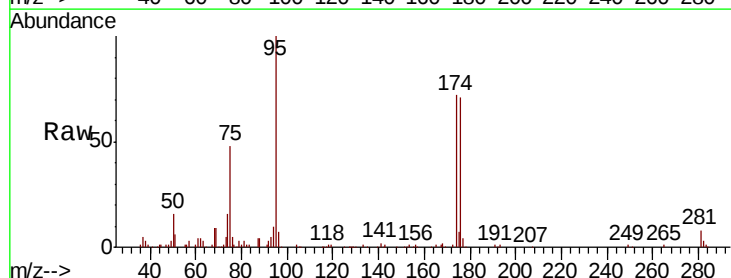
Instrument :
MSVOA_W
ClientSampleId :
P001-SS006-1824-01

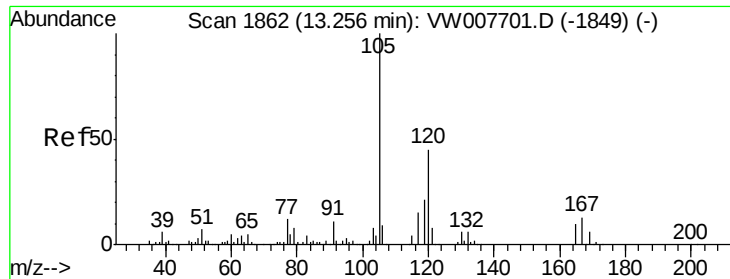
Tgt Ion: 156 Resp: 15216
Ion Ratio Lower Upper
156 100
77 6.2 87.4 262.1#
158 0.0 48.4 145.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 141.627 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.11 min
Lab File: VW007839.D
Acq: 22 Dec 2018 13:08

Tgt Ion: 75 Resp: 17691
Ion Ratio Lower Upper
75 100
53 0.0 80.2 120.2#
89 0.0 39.2 58.8#

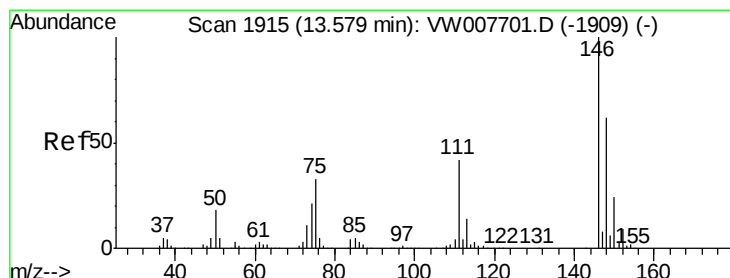
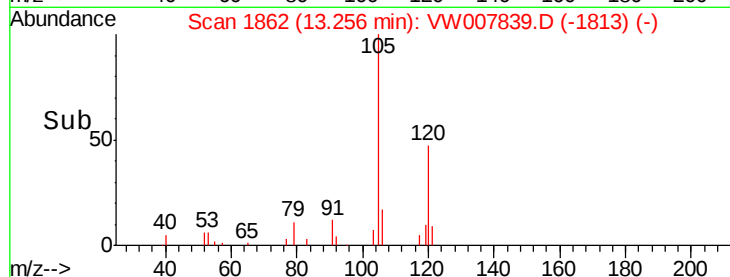
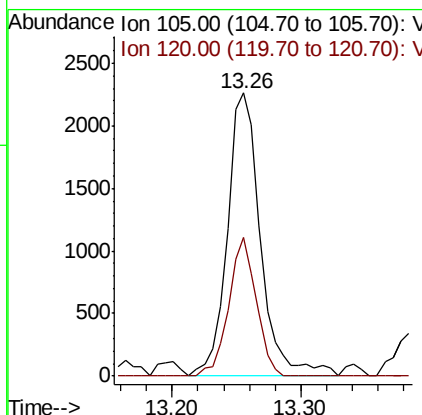
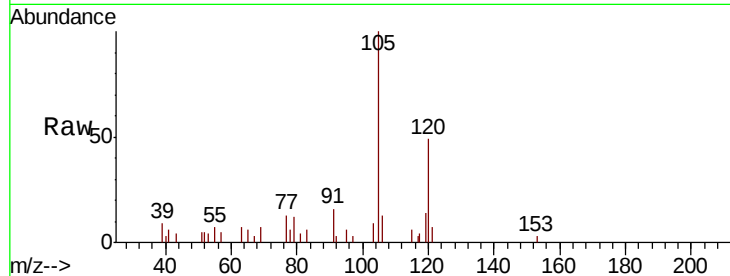




#84
 1,2,4-Trimethylbenzene
 Concen: 1.828 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW007839.D
 Acq: 22 Dec 2018 13:08

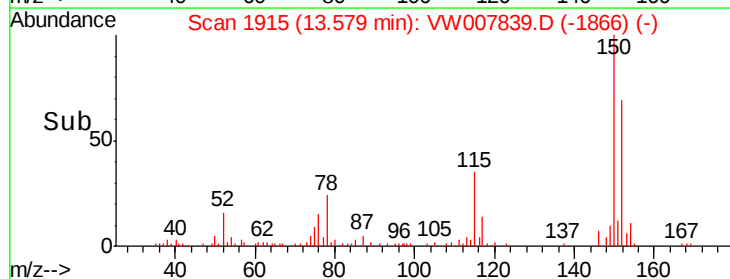
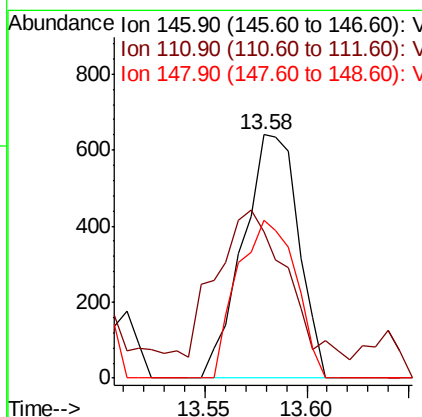
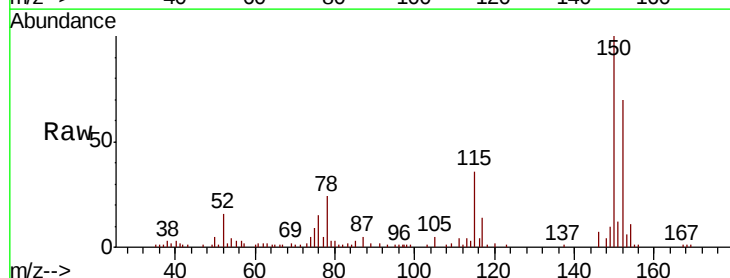
Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS006-1824-01

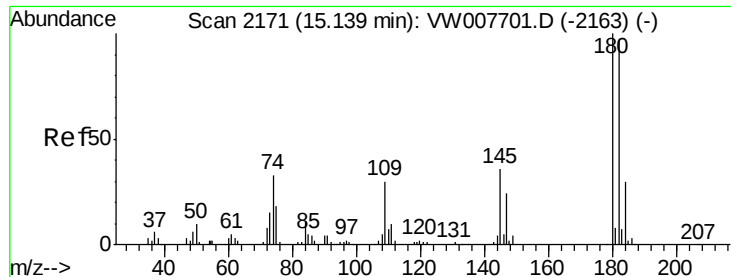
Tgt Ion:105 Resp: 4080
 Ion Ratio Lower Upper
 105 100
 120 40.6 22.0 66.0



#88
 1,4-Dichlorobenzene
 Concen: 1.041 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW007839.D
 Acq: 22 Dec 2018 13:08

Tgt Ion:146 Resp: 1215
 Ion Ratio Lower Upper
 146 100
 111 97.9 21.0 63.0#
 148 67.7 31.8 95.4

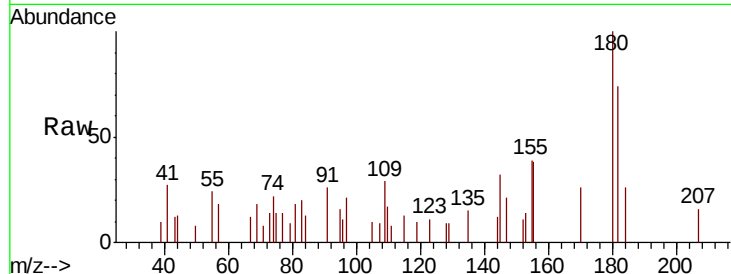




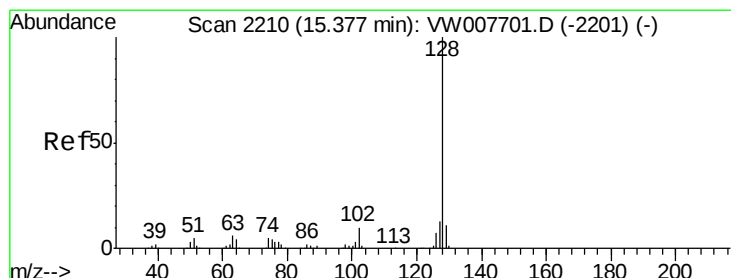
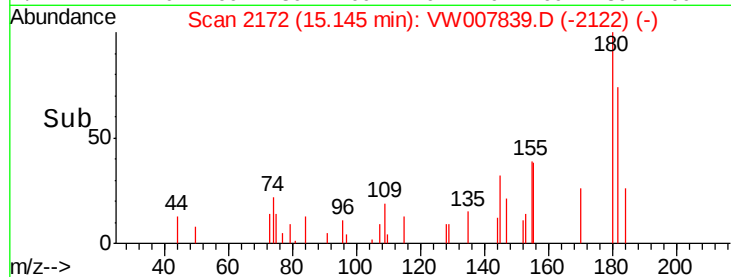
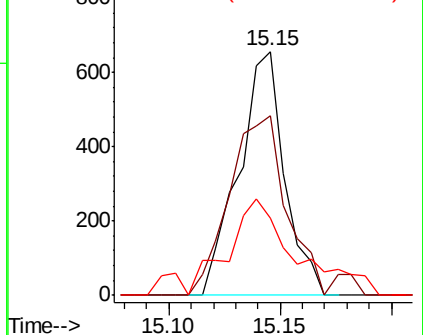
#93
 1,2,4-Trichlorobenzene
 Concen: 1.302 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. 0.01 min
 Lab File: VW007839.D
 Acq: 22 Dec 2018 13:08

Instrument :
 MSVOA_W
 ClientSampleId :
 P001-SS006-1824-01

Tgt Ion:180 Resp: 944
 Ion Ratio Lower Upper
 180 100
 182 95.8 47.5 142.6
 145 62.9 17.5 52.5#

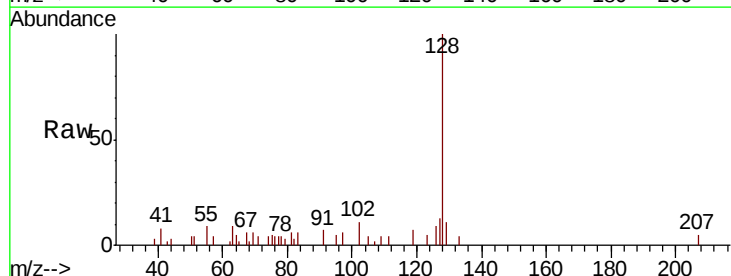


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 3.838 ug/l
 RT: 15.37 min Scan# 2209
 Delta R.T. -0.01 min
 Lab File: VW007839.D
 Acq: 22 Dec 2018 13:08

Tgt Ion:128 Resp: 5146
 Ion Ratio Lower Upper
 128 100
 127 11.9 10.7 16.1
 129 12.0 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

