

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW110518\
 Data File : VW006633.D
 Acq On : 05 Nov 2018 13:58
 Operator : SY/AP
 Sample : J5665-01RE
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DL-06A

Quant Time: Nov 06 01:22:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 01 03:48:08 2018
 Response via : Initial Calibration

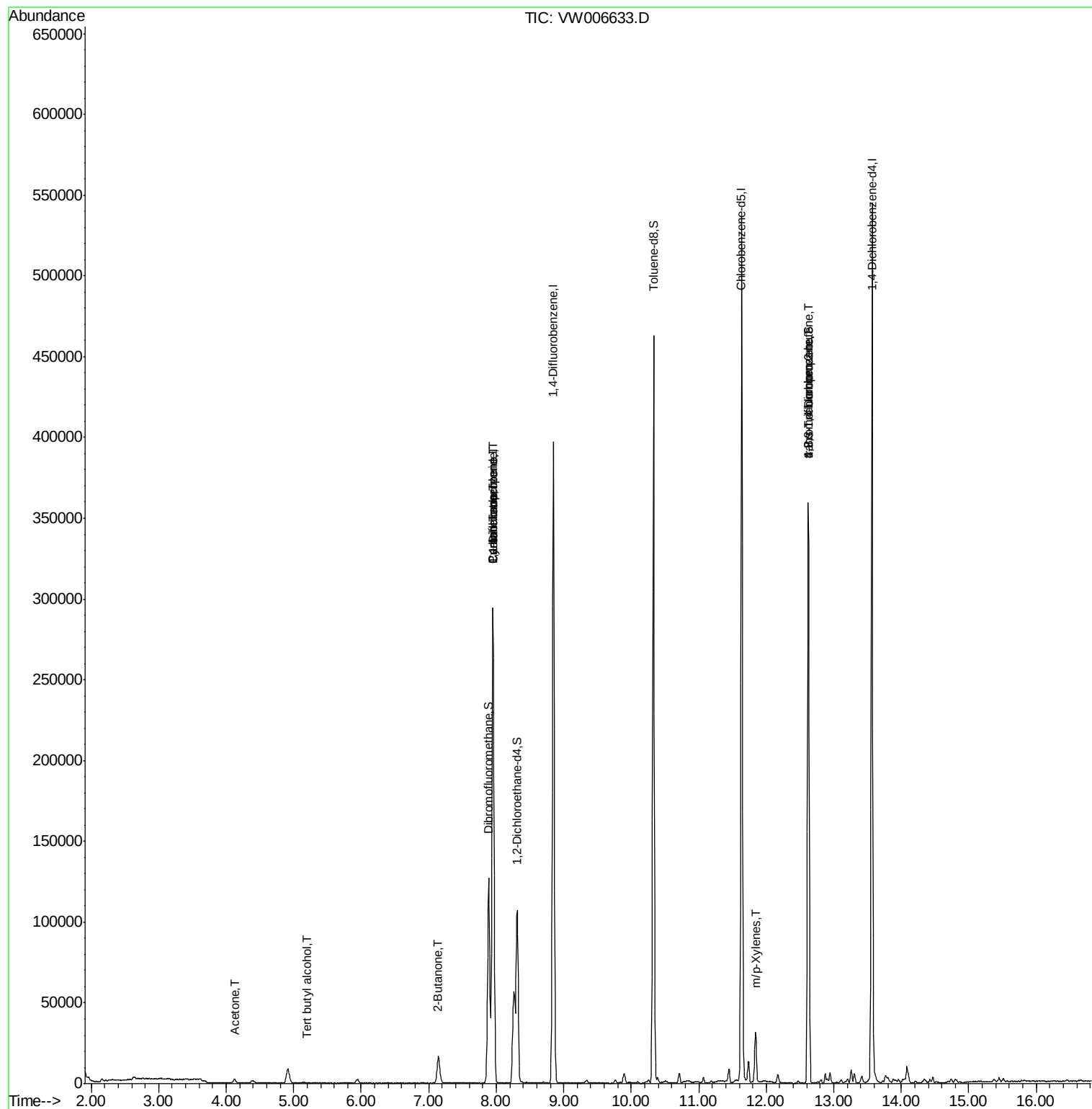
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	241745	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	358932	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	316106	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	154550	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	85070	40.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	81.88%	
35) Dibromofluoromethane	7.88	113	89442	39.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	79.42%	
50) Toluene-d8	10.33	98	318060	37.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	74.18%	
62) 4-Bromofluorobenzene	12.62	95	104506	33.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	67.24%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.20	59	211	1.885	ug/l #	84
16) Acetone	4.12	43	4484	13.365	ug/l	97
20) Methylene Chloride	4.91	84	7374	Below Cal		94
25) 2-Butanone	7.13	43	682	1.425	ug/l #	46
31) Cyclohexane	7.95	56	3955	1.195	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	14692	4.655	ug/l #	47
38) Carbon Tetrachloride	7.95	117	20911	6.340	ug/l #	18
68) m/p-Xylenes	11.84	106	9834	2.214	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	51658	42.840	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	51658	107.700	ug/l #	11

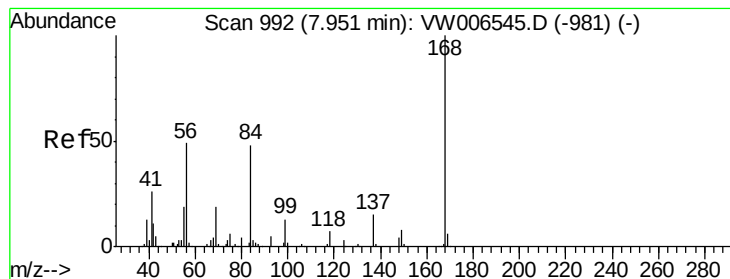
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Nov 01 03:48:08 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006633.D

Acq: 05 Nov 2018 13:58

Instrument :

MSVOA_W

ClientSampleId :

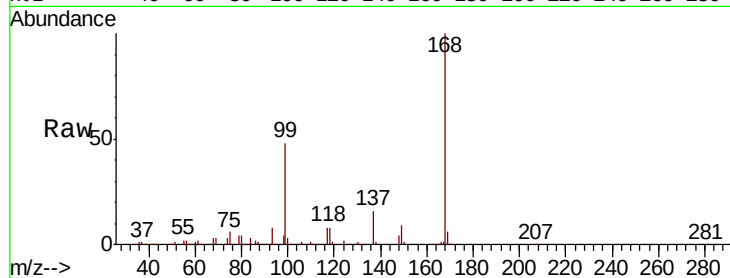
DL-06A

Tgt Ion:168 Resp: 241745

Ion Ratio Lower Upper

168 100

99 48.4 37.4 56.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

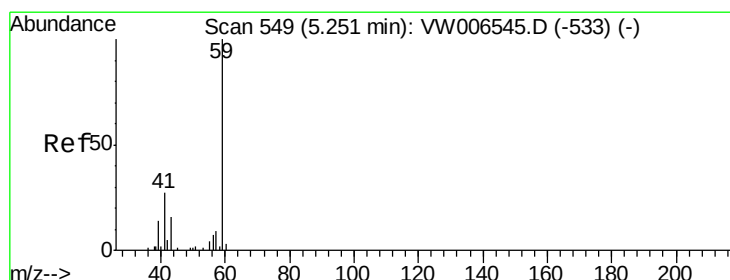
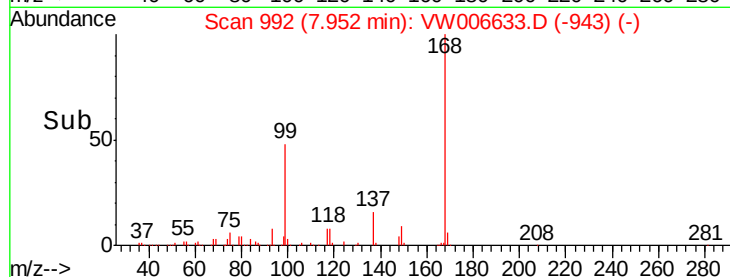
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.885 ug/l

RT: 5.20 min Scan# 540

Delta R.T. -0.05 min

Lab File: VW006633.D

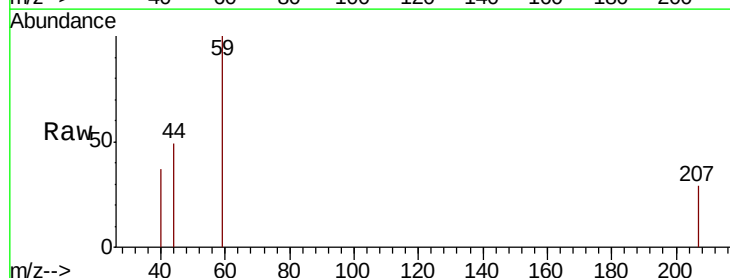
Acq: 05 Nov 2018 13:58

Tgt Ion: 59 Resp: 211

Ion Ratio Lower Upper

59 100

57 0.0 4.3 6.5#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.20

300

250

200

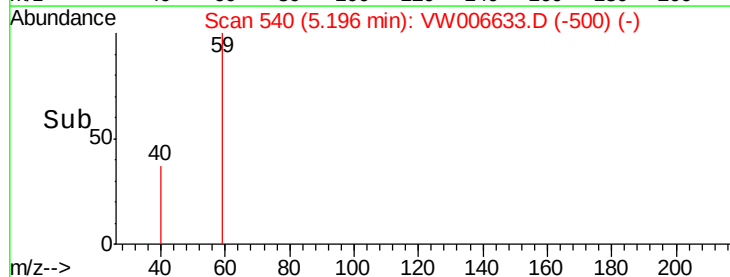
150

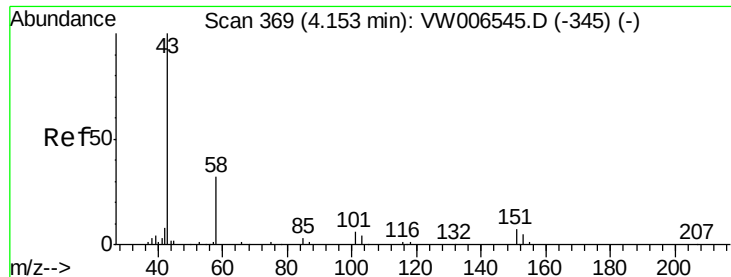
100

50

0

Time-->

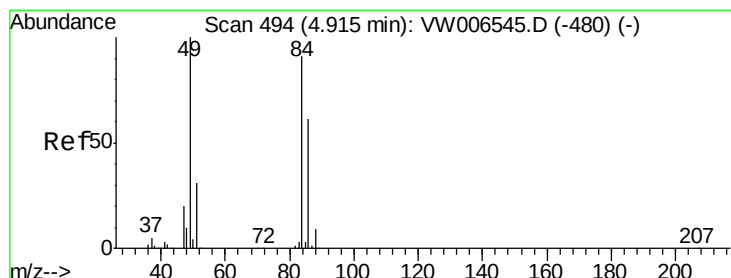
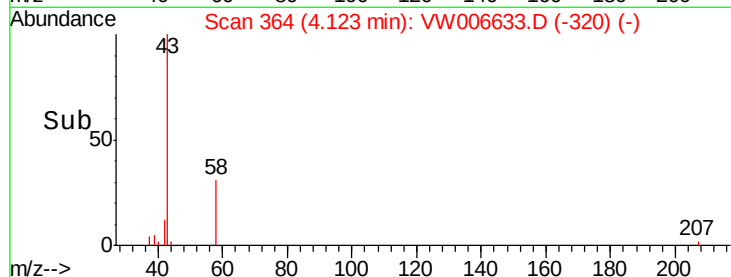
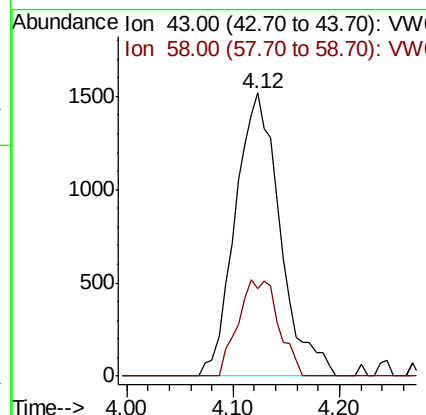
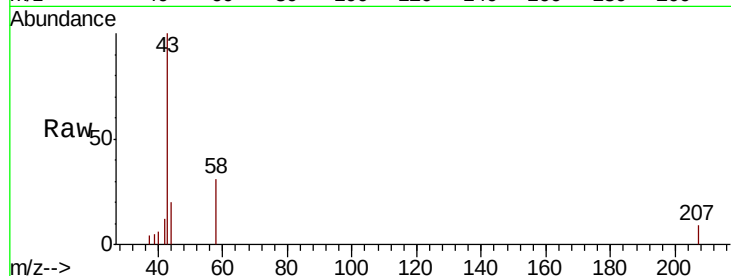




#16
Acetone
Concen: 13.365 ug/l
RT: 4.12 min Scan# 364
Delta R.T. -0.03 min
Lab File: VW006633.D
Acq: 05 Nov 2018 13:58

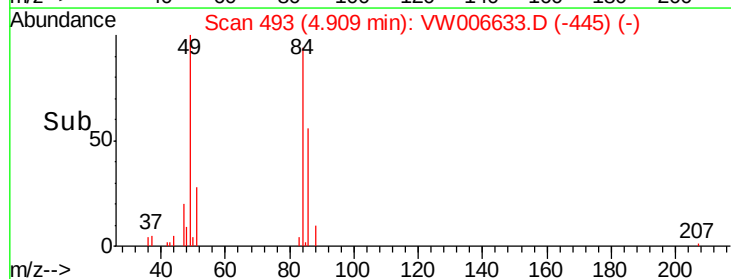
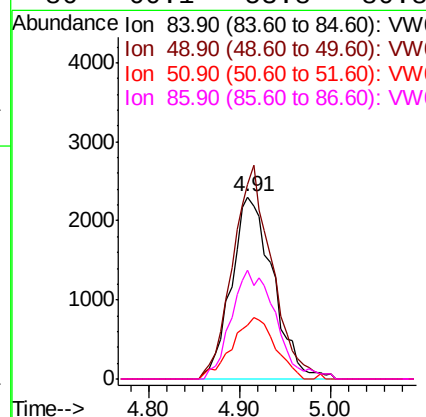
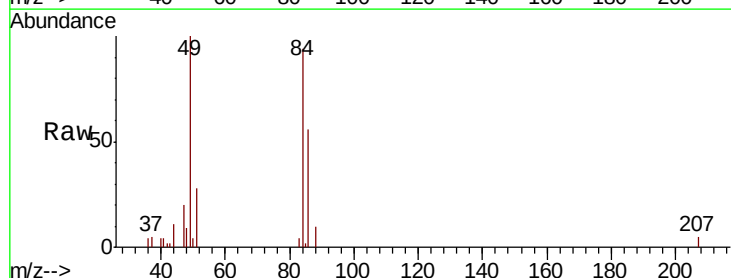
Instrument :
MSVOA_W
ClientSampleId :
DL-06A

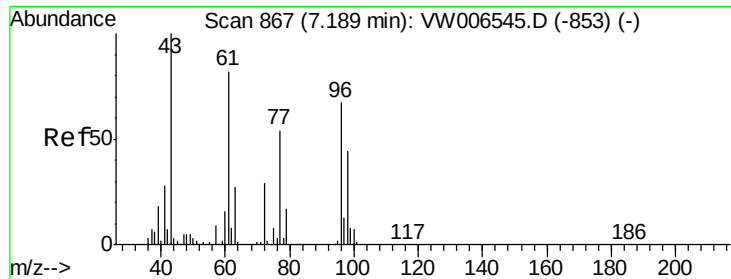
Tgt Ion: 43 Resp: 4484
Ion Ratio Lower Upper
43 100
58 30.8 25.8 38.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW006633.D
Acq: 05 Nov 2018 13:58

Tgt Ion: 84 Resp: 7374
Ion Ratio Lower Upper
84 100
49 106.6 88.2 132.4
51 29.6 27.0 40.6
86 60.1 53.8 80.8





#25

2-Butanone

Concen: 1.425 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.05 min

Lab File: VW006633.D

Acq: 05 Nov 2018 13:58

Instrument :

MSVOA_W

ClientSampleId :

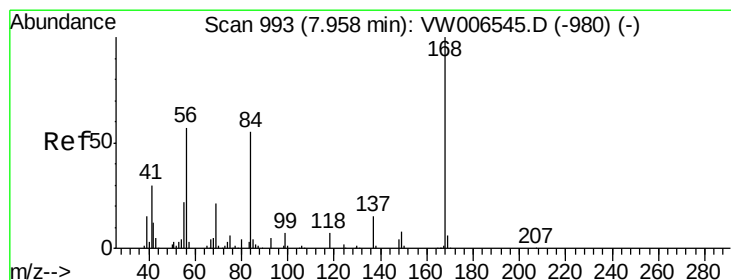
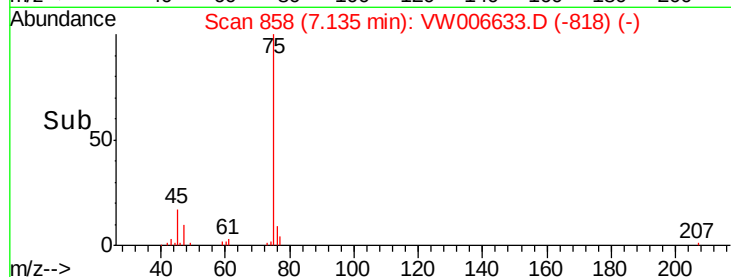
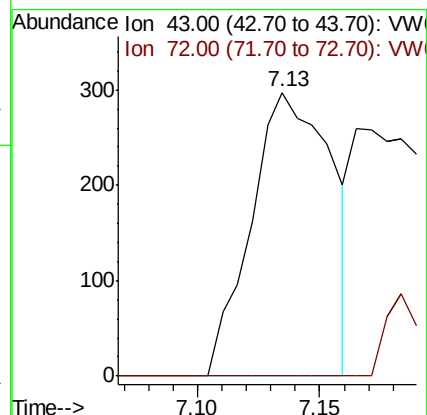
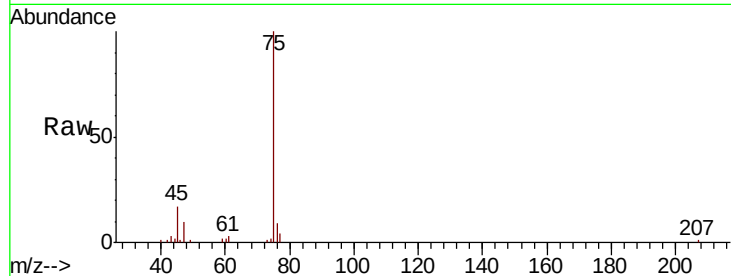
DL-06A

Tgt Ion: 43 Resp: 682

Ion Ratio Lower Upper

43 100

72 0.0 23.2 34.8#



#31

Cyclohexane

Concen: 1.195 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006633.D

Acq: 05 Nov 2018 13:58

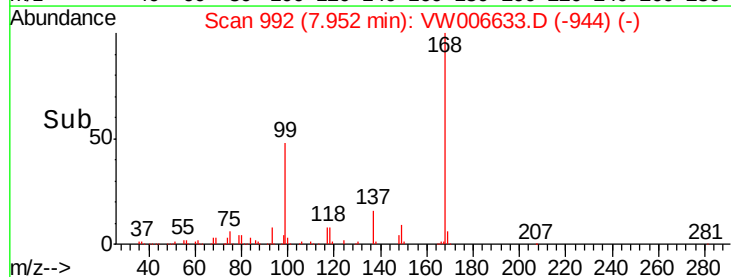
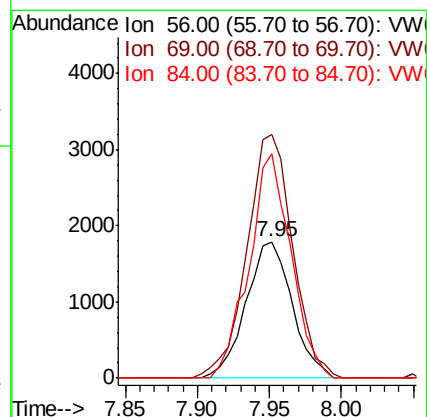
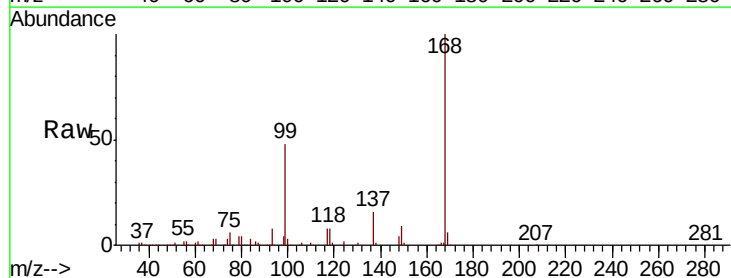
Tgt Ion: 56 Resp: 3955

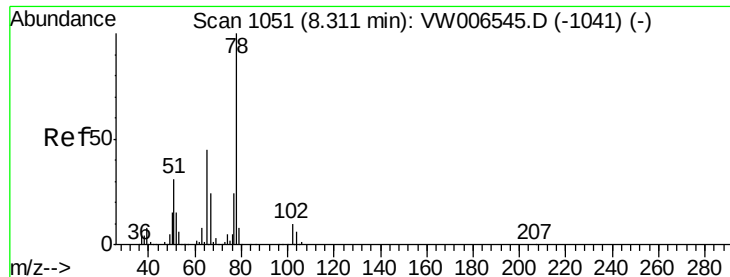
Ion Ratio Lower Upper

56 100

69 178.7 29.0 43.4#

84 164.6 77.8 116.6#

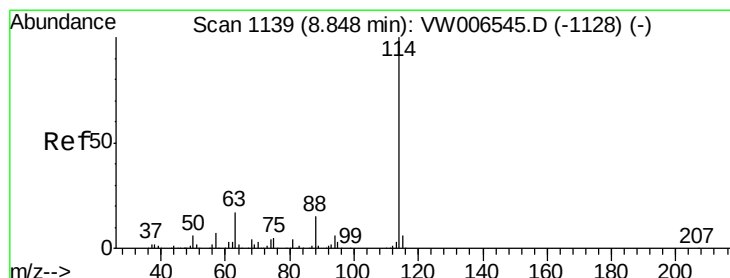
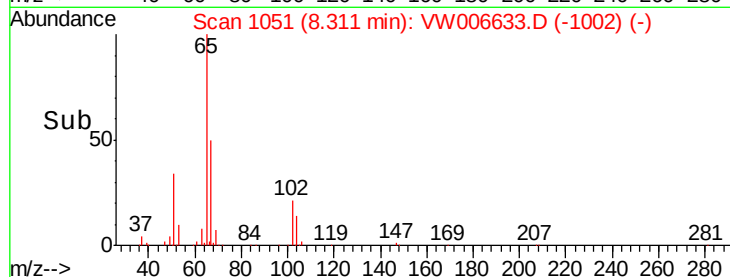
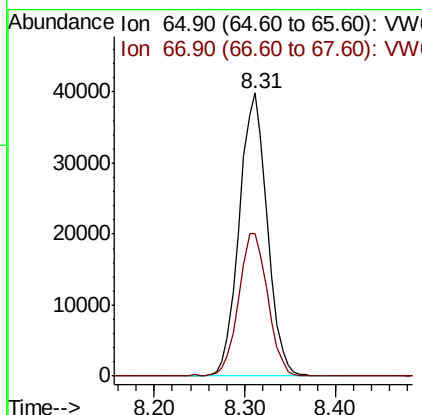
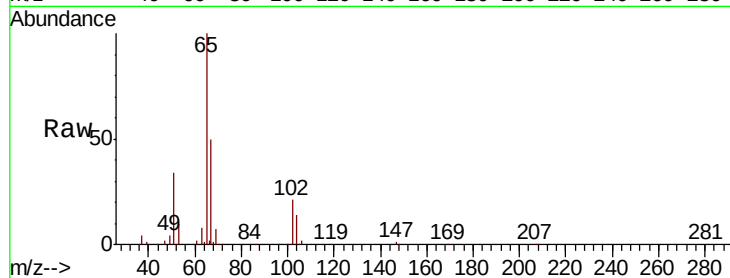




#33
 1,2-Dichloroethane-d4
 Concen: 40.938 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW006633.D
 Acq: 05 Nov 2018 13:58

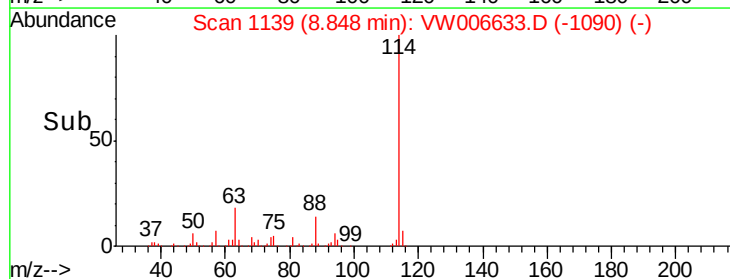
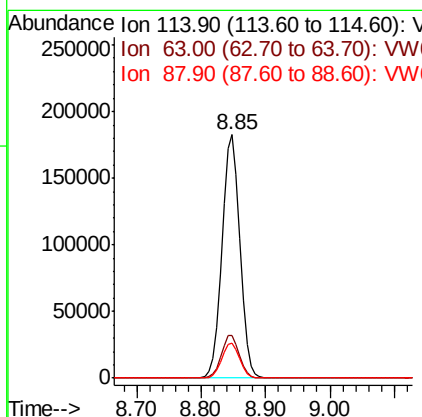
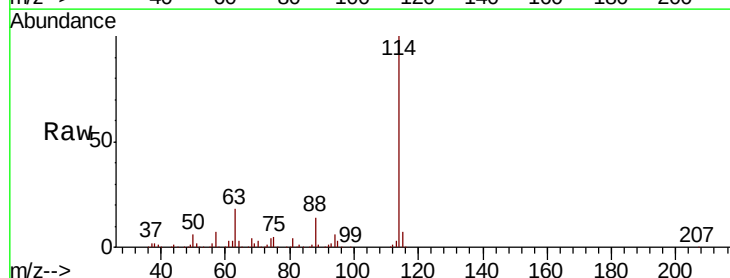
Instrument :
 MSVOA_W
 ClientSampleId :
 DL-06A

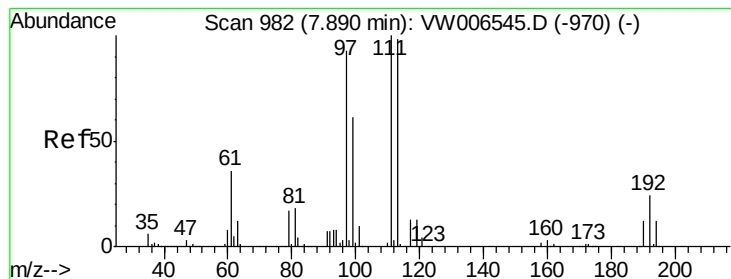
Tgt Ion: 65 Resp: 85070
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006633.D
 Acq: 05 Nov 2018 13:58

Tgt Ion: 114 Resp: 358932
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 34.4
 88 14.2 0.0 29.0





#35

Dibromofluoromethane

Concen: 39.706 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006633.D

Acq: 05 Nov 2018 13:58

Instrument :

MSVOA_W

ClientSampled :

DL-06A

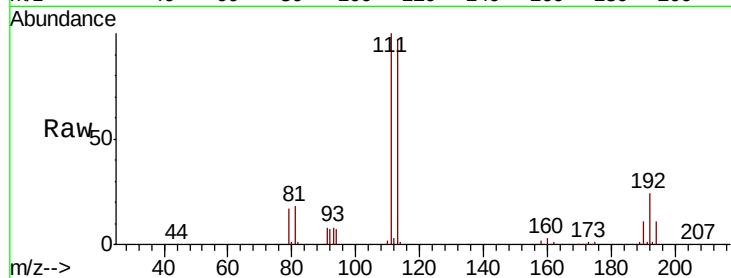
Tgt Ion:113 Resp: 89442

Ion Ratio Lower Upper

113 100

111 103.8 82.2 123.2

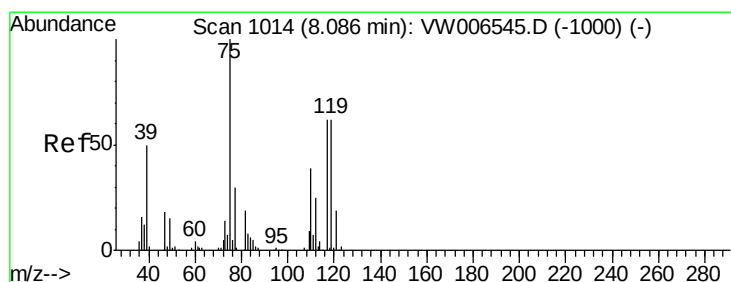
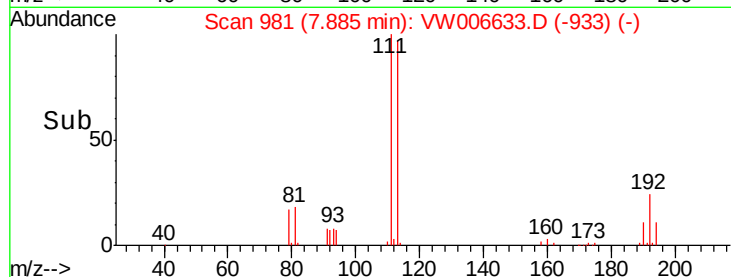
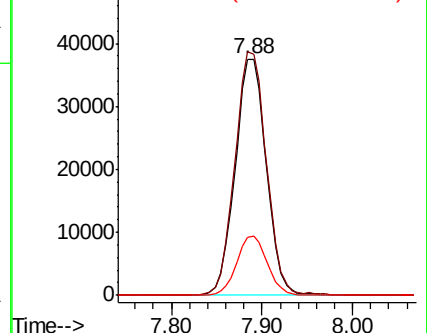
192 24.5 19.0 28.6



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: 4.655 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW006633.D

Acq: 05 Nov 2018 13:58

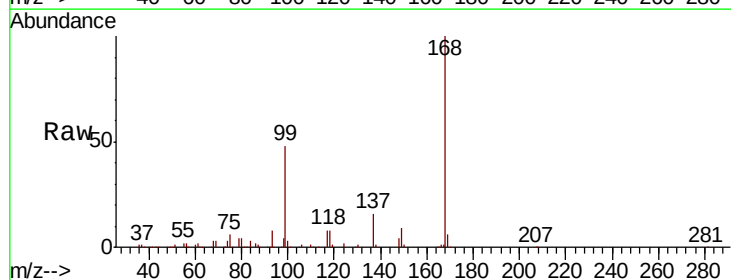
Tgt Ion: 75 Resp: 14692

Ion Ratio Lower Upper

75 100

110 8.7 19.5 58.5#

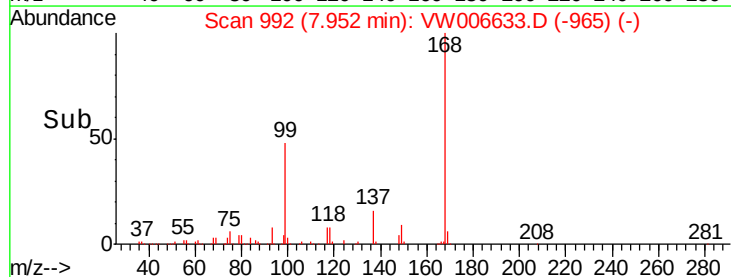
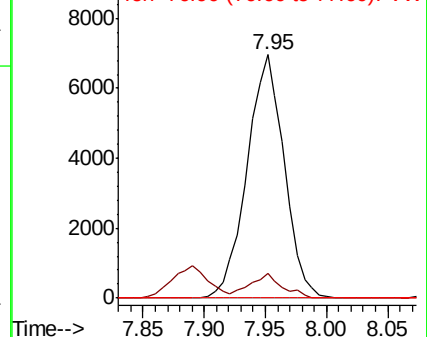
77 0.0 24.6 37.0#

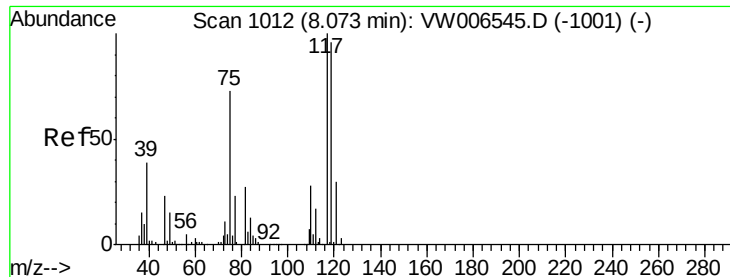


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.340 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW006633.D

Acq: 05 Nov 2018 13:58

Instrument :

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ClientSampleId :

DL-06A

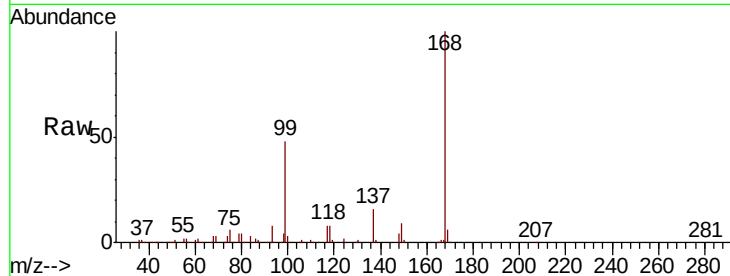
Tgt Ion:117 Resp: 20911

Ion Ratio Lower Upper

117 100

119 7.0 76.3 114.5#

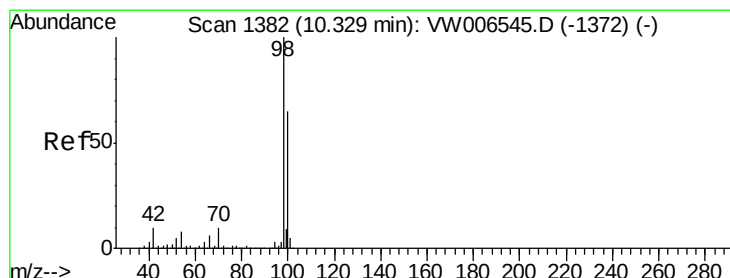
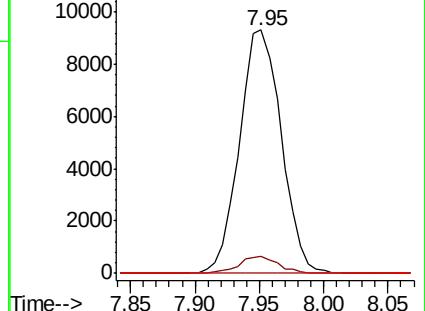
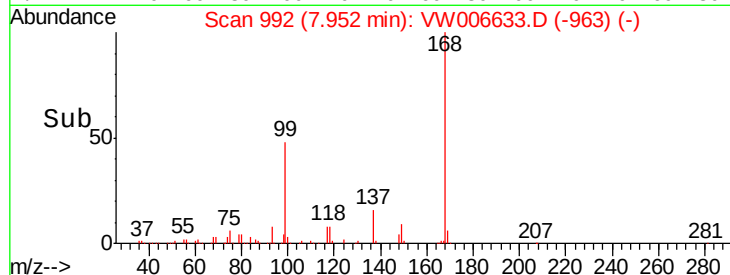
121 0.0 24.1 36.1#



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: 37.091 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006633.D

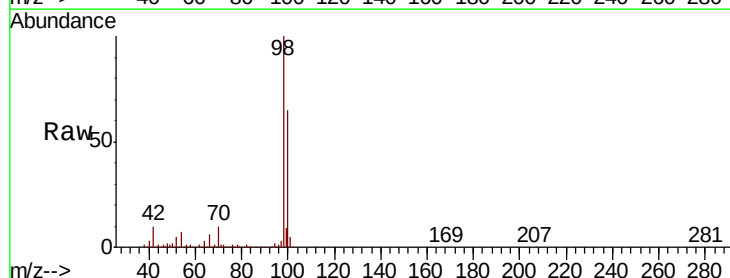
Acq: 05 Nov 2018 13:58

Tgt Ion: 98 Resp: 318060

Ion Ratio Lower Upper

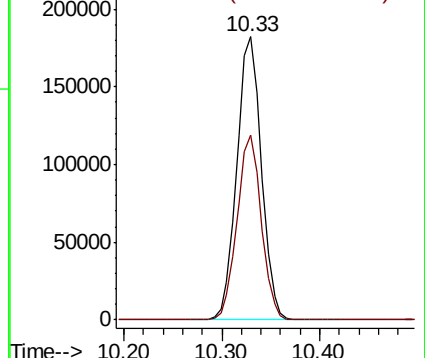
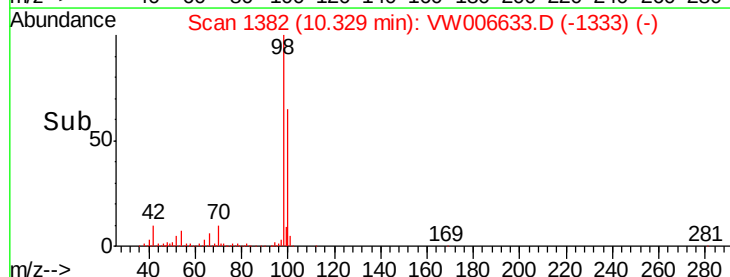
98 100

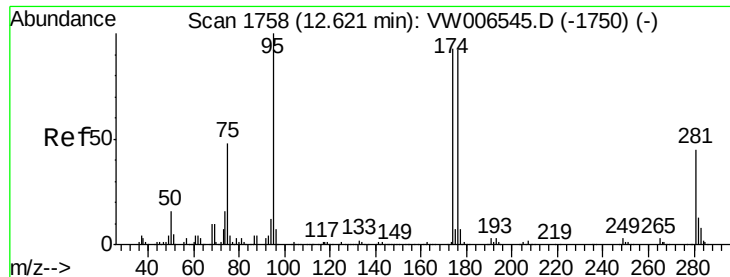
100 64.2 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 33.616 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006633.D

Acq: 05 Nov 2018 13:58

Instrument :

MSVOA_W

ClientSampleId :

DL-06A

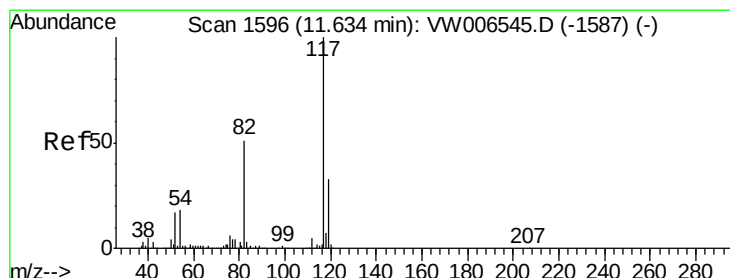
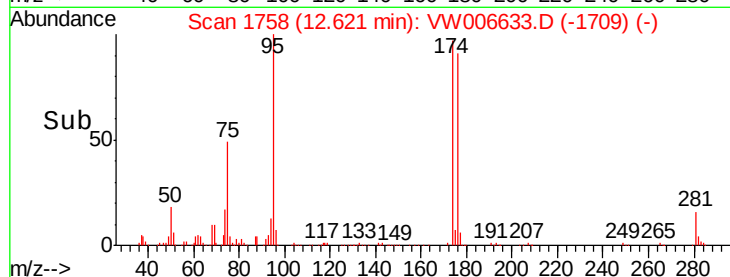
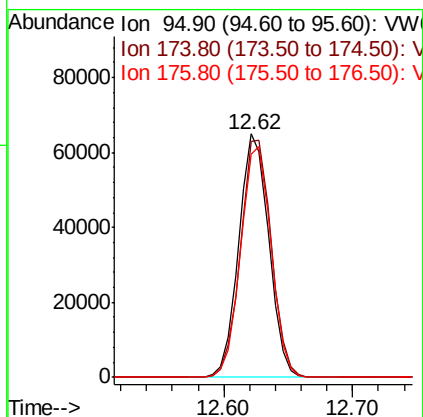
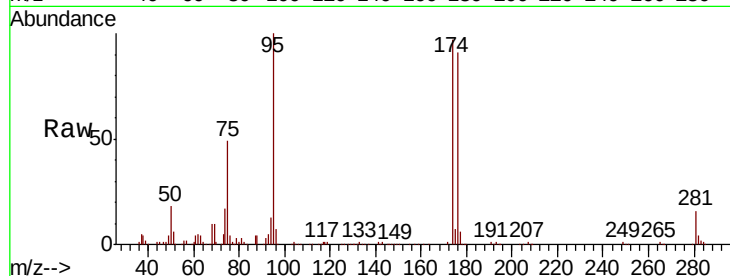
Tgt Ion: 95 Resp: 104506

Ion Ratio Lower Upper

95 100

174 99.9 0.0 192.4

176 96.0 0.0 187.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VW006633.D

Acq: 05 Nov 2018 13:58

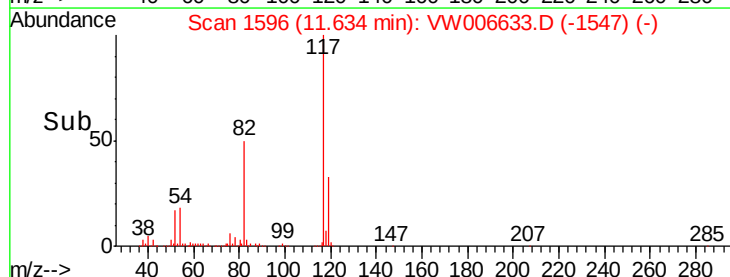
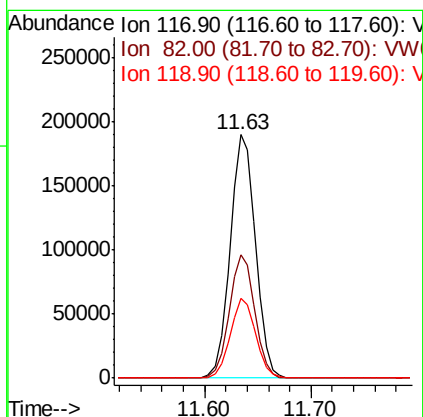
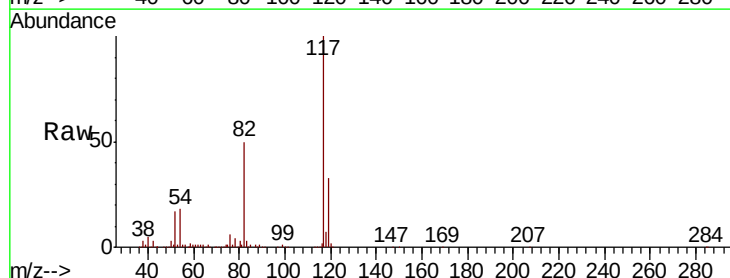
Tgt Ion: 117 Resp: 316106

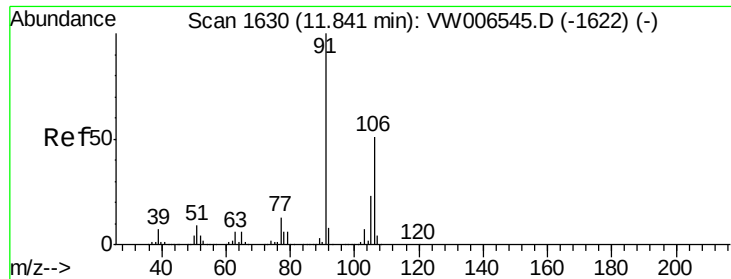
Ion Ratio Lower Upper

117 100

82 50.4 40.8 61.2

119 32.6 26.1 39.1

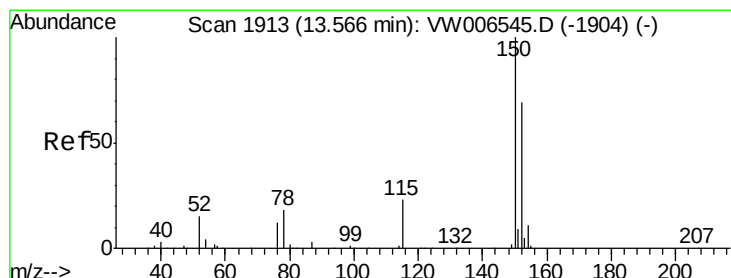
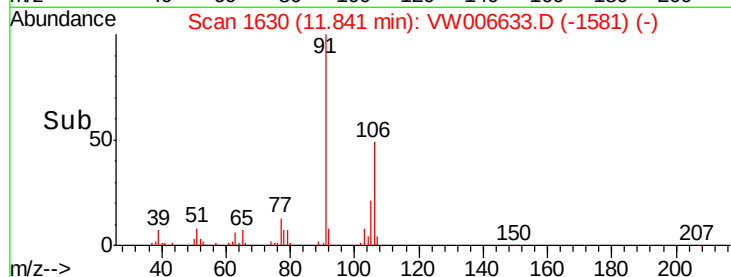
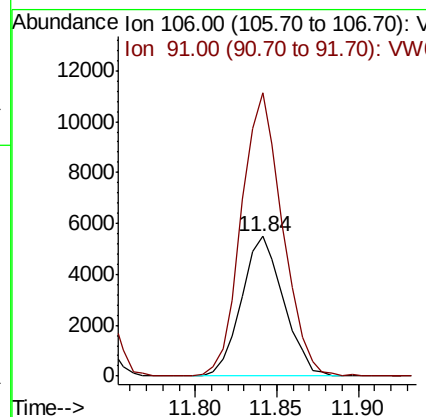
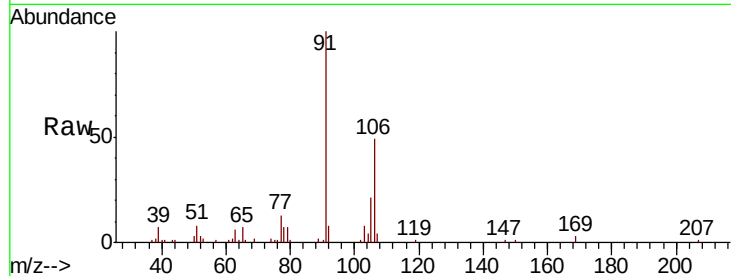




#68
m/p-Xylenes
Concen: 2.214 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW006633.D
Acq: 05 Nov 2018 13:58

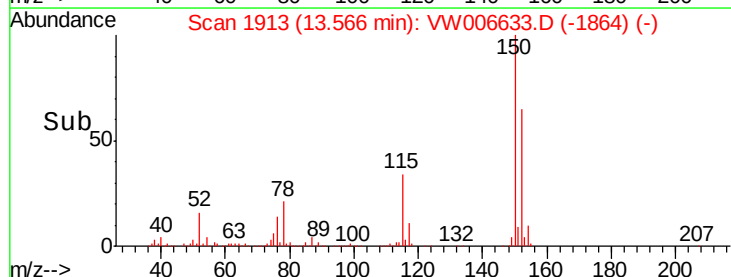
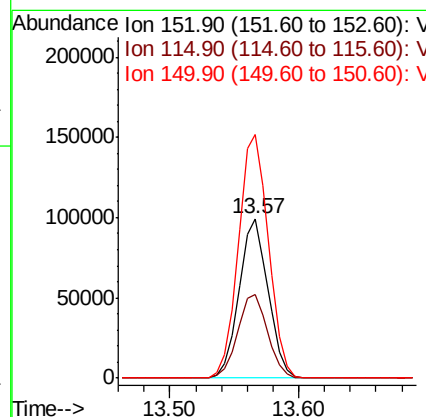
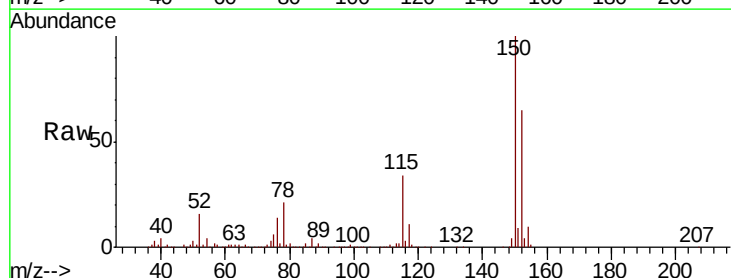
Instrument :
MSVOA_W
ClientSampled :
DL-06A

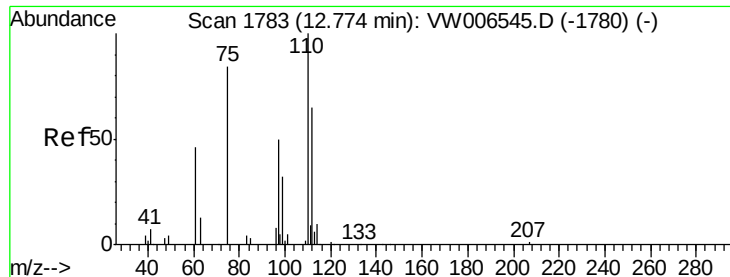
Tgt Ion:106 Resp: 9834
Ion Ratio Lower Upper
106 100
91 198.3 156.7 235.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1913
Delta R.T. 0.00 min
Lab File: VW006633.D
Acq: 05 Nov 2018 13:58

Tgt Ion:152 Resp: 154550
Ion Ratio Lower Upper
152 100
115 54.4 26.6 79.8
150 157.8 0.0 344.6





#76

1,2,3-Trichloropropane

Concen: 42.840 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006633.D

Acq: 05 Nov 2018 13:58

Instrument :

MSVOA_W

ClientSampled :

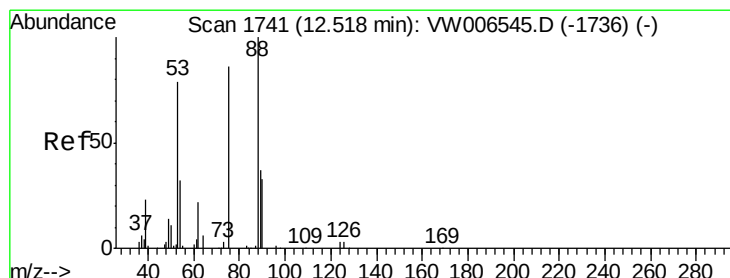
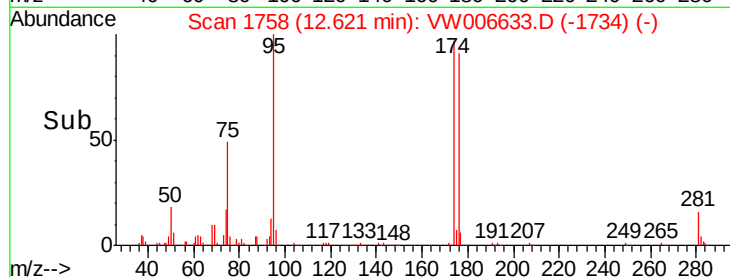
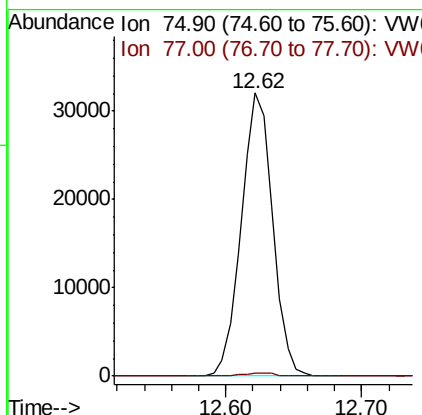
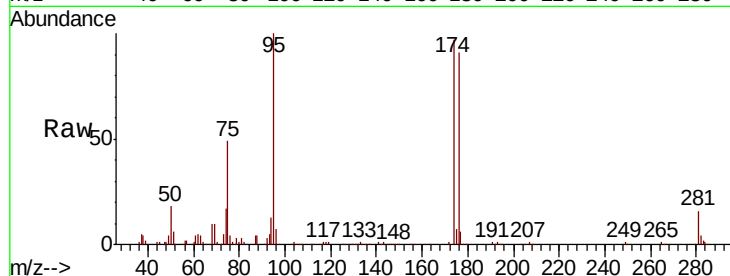
DL-06A

Tgt Ion: 75 Resp: 51658

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 107.700 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006633.D

Acq: 05 Nov 2018 13:58

Tgt Ion: 75 Resp: 51658

Ion Ratio Lower Upper

75 100

53 0.0 77.2 115.8#

89 0.0 38.6 58.0#

