

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102518\
 Data File : VW006343.D
 Acq On : 25 Oct 2018 04:03
 Operator : SY/AP
 Sample : J5198-25RE
 Misc : 6.05G/5ML/MSVOA W/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CL-01-102318-C

Quant Time: Oct 25 06:12:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 18 17:01:24 2018
 Response via : Initial Calibration

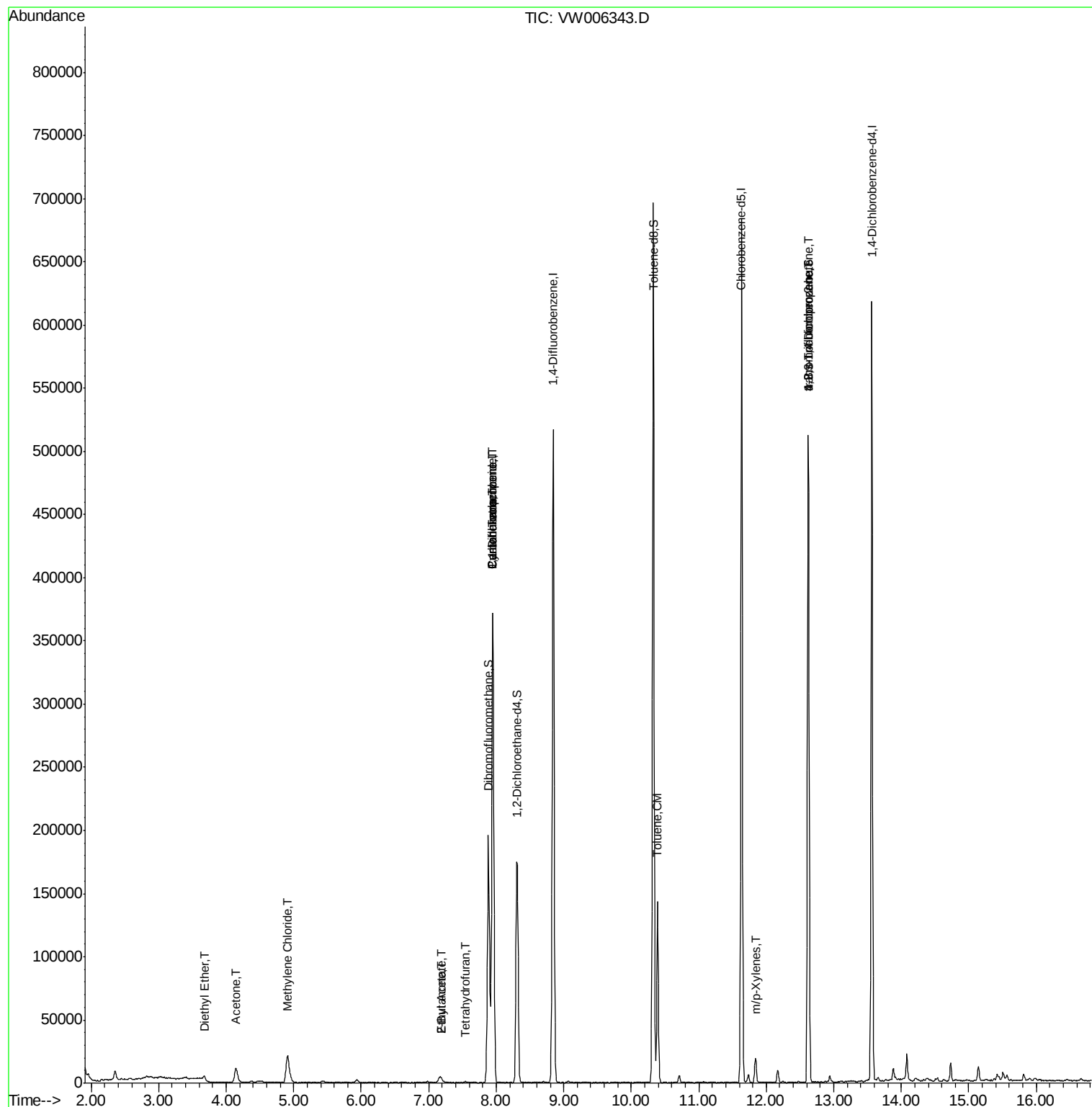
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	309998	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	456451	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	387242	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	175005	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	140157	54.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.06%	
35) Dibromofluoromethane	7.88	113	134921	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
50) Toluene-d8	10.33	98	484301	47.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.40%	
62) 4-Bromofluorobenzene	12.62	95	157561	40.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.76%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.68	74	2694	1.930	ug/l	81
16) Acetone	4.14	43	23362	35.767	ug/l	95
20) Methylene Chloride	4.92	84	19510	5.733	ug/l	94
25) 2-Butanone	7.19	43	4018	5.787	ug/l	94
29) Tetrahydrofuran	7.54	42	611	1.432	ug/l #	79
31) Cyclohexane	7.95	56	5700	1.212	ug/l #	7
36) 1,1-Dichloropropene	7.95	75	19590	4.656	ug/l #	49
37) Ethyl Acetate	7.19	43	4018	2.570	ug/l #	67
38) Carbon Tetrachloride	7.95	117	27709	6.008	ug/l #	16
52) Toluene	10.39	92	59064	7.634	ug/l	100
68) m/p-Xylenes	11.84	106	6371	1.122	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	78979	59.085	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	78979	141.237	ug/l #	10

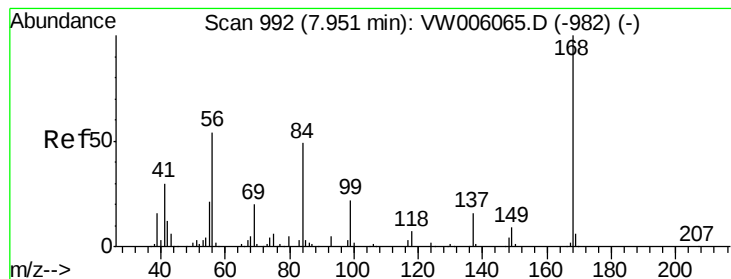
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW006343.D

Acq: 25 Oct 2018 04:03

Instrument :

MSVOA_W

ClientSampleId :

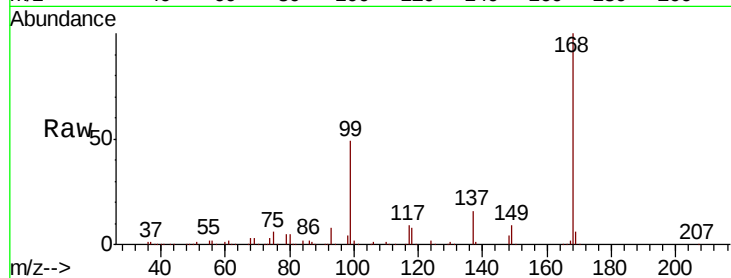
CL-01-102318-C

Tot Ion:168 Resp: 309998

Ion Ratio Lower Upper

168 100

99 48.7 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

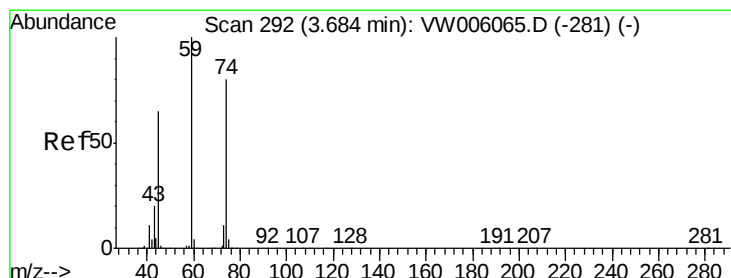
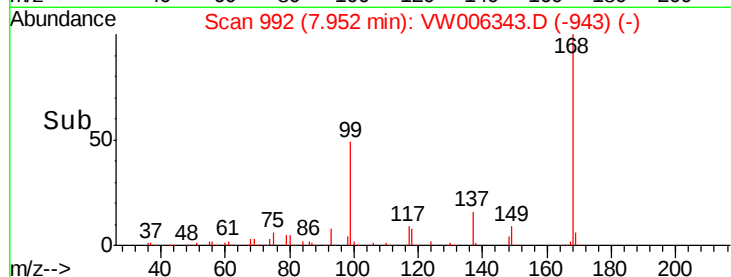
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.930 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW006343.D

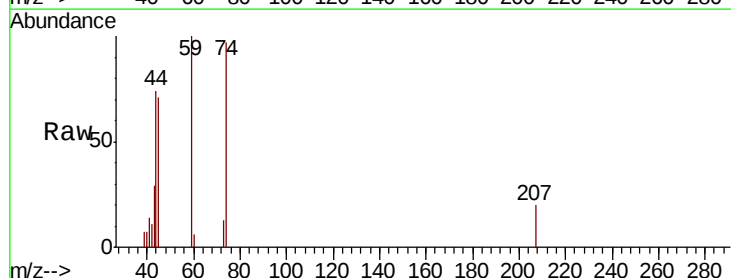
Acq: 25 Oct 2018 04:03

Tgt Ion: 74 Resp: 2694

Ion Ratio Lower Upper

74 100

45 102.5 42.8 128.3



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

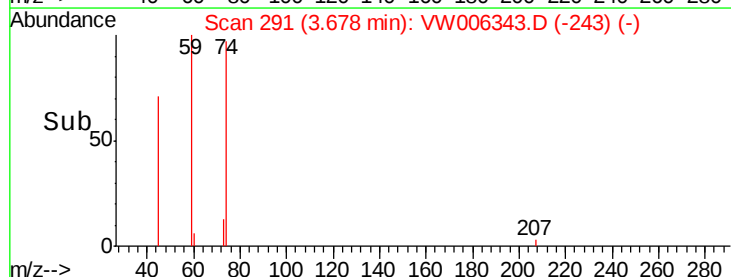
3.68

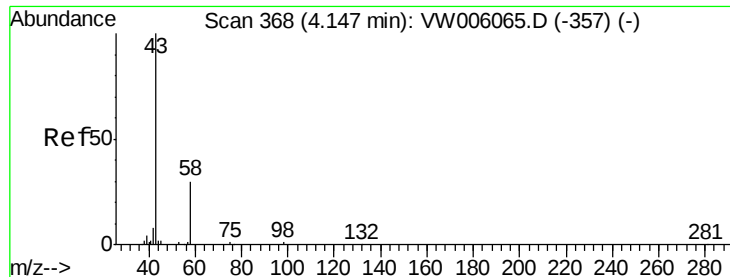
1000

500

0

Time--> 3.60 3.65 3.70 3.75





#16

Acetone

Concen: 35.767 ug/l

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

Lab File: VW006343.D

Acq: 25 Oct 2018 04:03

Instrument :

MSVOA_W

ClientSampleId :

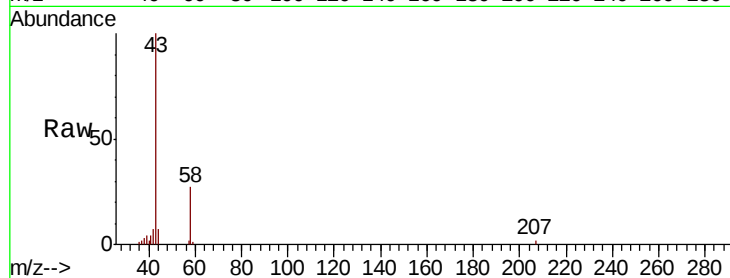
CL-01-102318-C

Tot Ion: 43 Resp: 23362

Ion Ratio Lower Upper

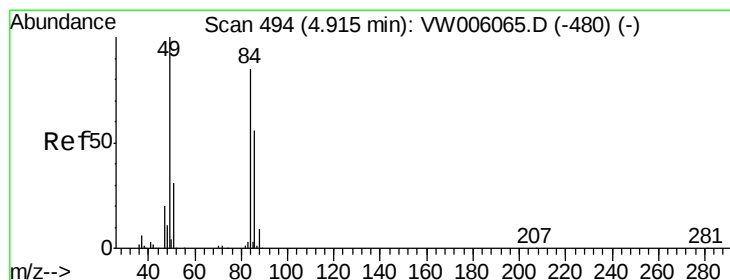
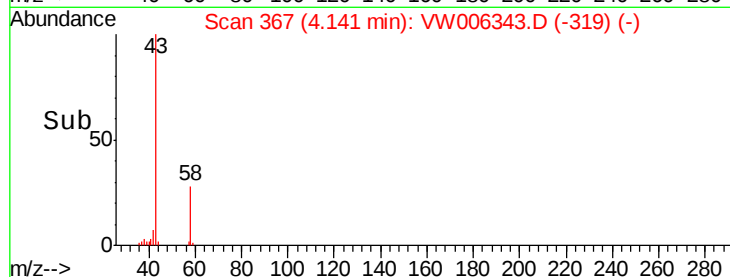
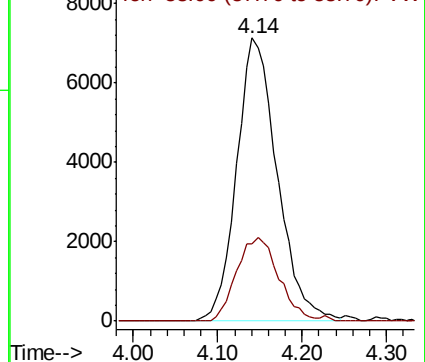
43 100

58 27.3 24.0 36.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 5.733 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW006343.D

Acq: 25 Oct 2018 04:03

Tgt Ion: 84 Resp: 19510

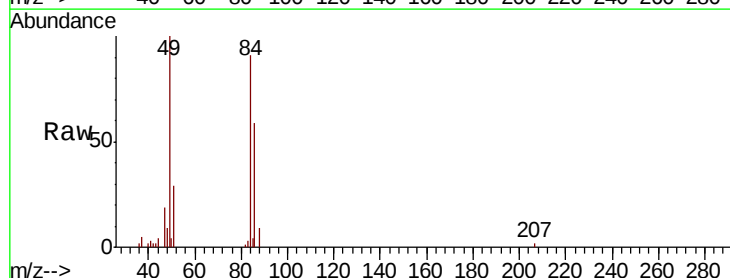
Ion Ratio Lower Upper

84 100

49 109.7 93.6 140.4

51 31.4 29.0 43.4

86 64.2 52.6 79.0

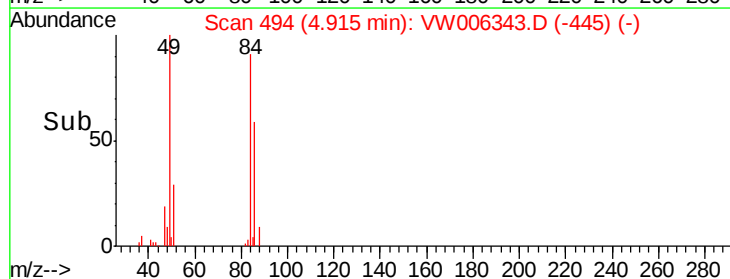
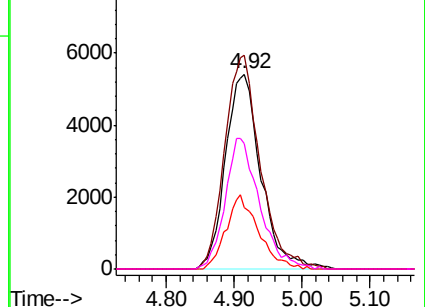


Abundance Ion 83.90 (83.60 to 84.60): VW

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: 5.787 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.01 min

Lab File: VW006343.D

Acq: 25 Oct 2018 04:03

Instrument :

MSVOA_W

ClientSampleId :

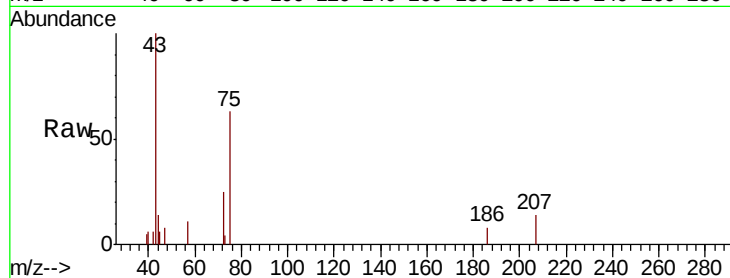
CL-01-102318-C

Tot Ion: 43 Resp: 4018

Ion Ratio Lower Upper

43 100

72 25.2 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.19

1500

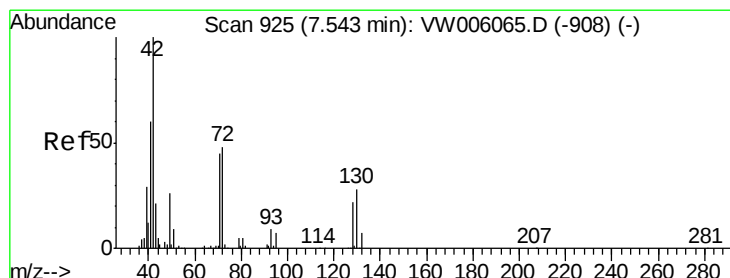
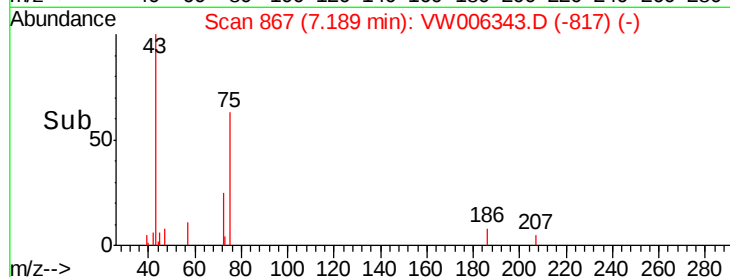
1000

500

0

7.10 7.20 7.30

Time-->



#29

Tetrahydrofuran

Concen: 1.432 ug/l

RT: 7.54 min Scan# 924

Delta R.T. -0.01 min

Lab File: VW006343.D

Acq: 25 Oct 2018 04:03

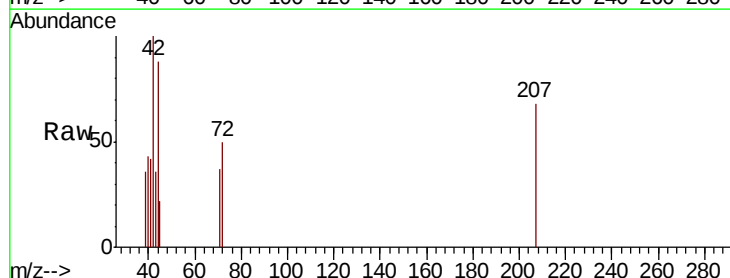
Tgt Ion: 42 Resp: 611

Ion Ratio Lower Upper

42 100

72 41.1 38.0 57.0

71 22.3 35.3 52.9#



Abundance Ion 42.00 (41.70 to 42.70): VW

Ion 72.00 (71.70 to 72.70): VW

Ion 71.00 (70.70 to 71.70): VW

300

250

200

150

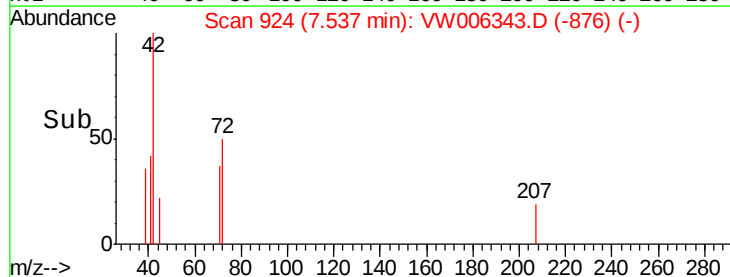
100

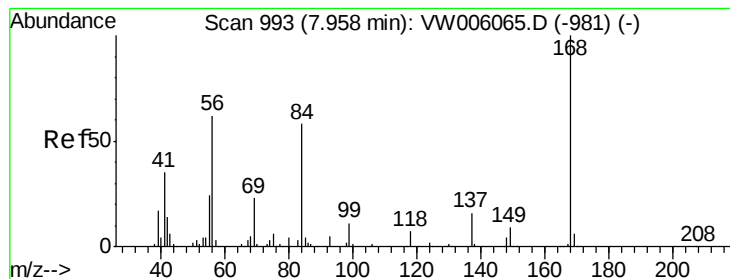
50

0

7.50 7.55 7.60

Time-->





#31

Cyclohexane

Concen: 1.212 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW006343.D

Acq: 25 Oct 2018 04:03

Instrument :

MSVOA_W

ClientSampleId :

CL-01-102318-C

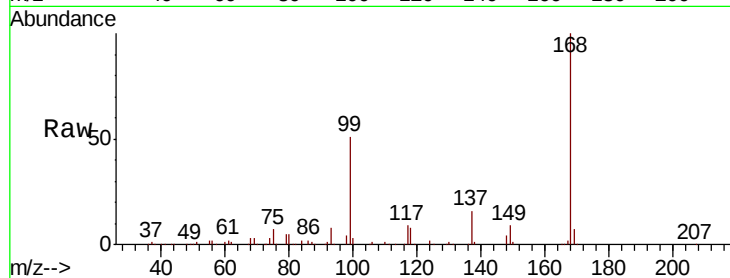
Tot Ion: 56 Resp: 5700

Ion Ratio Lower Upper

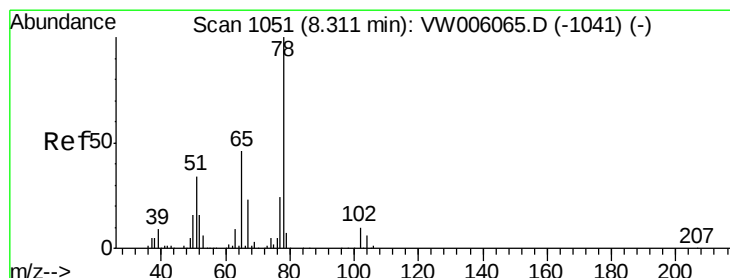
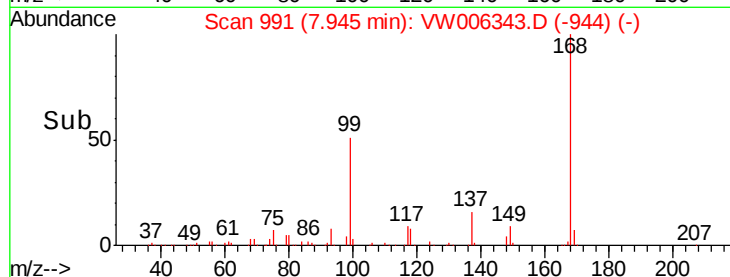
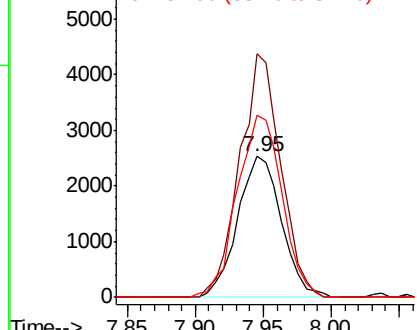
56 100

69 172.8 29.4 44.0#

84 129.4 74.0 111.0#



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: 54.535 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW006343.D

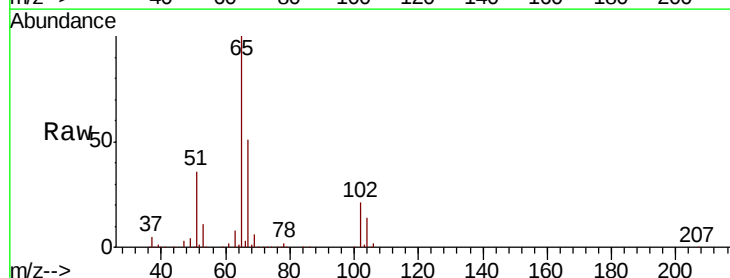
Acq: 25 Oct 2018 04:03

Tgt Ion: 65 Resp: 140157

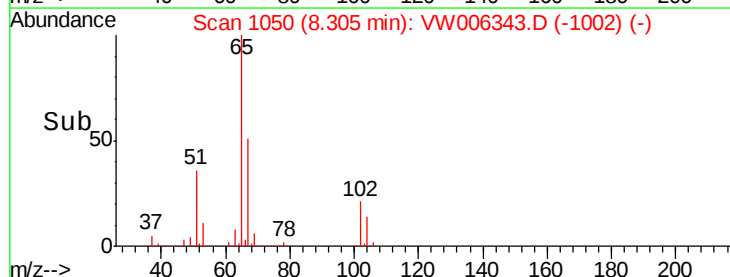
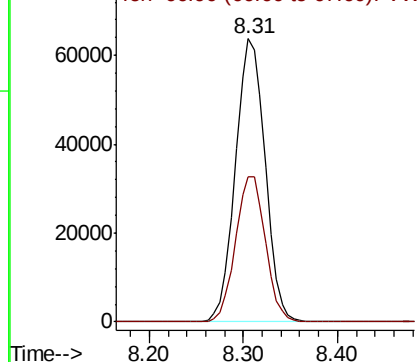
Ion Ratio Lower Upper

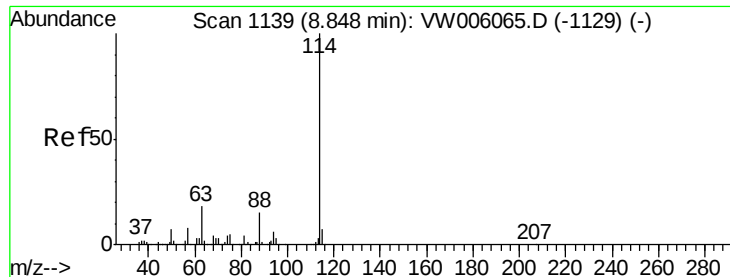
65 100

67 51.6 0.0 101.0



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

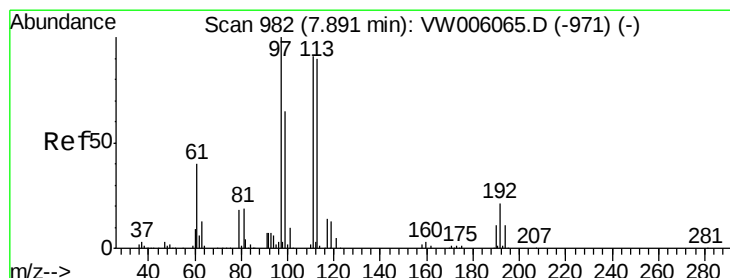
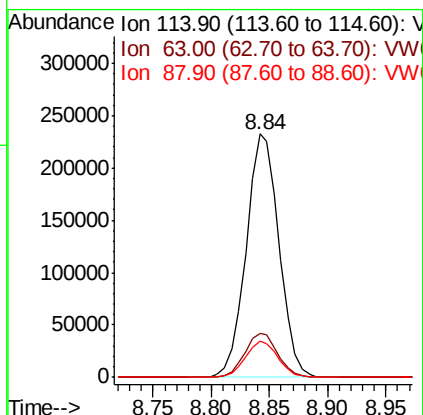
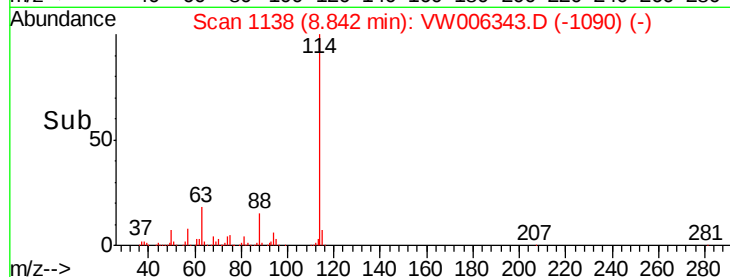
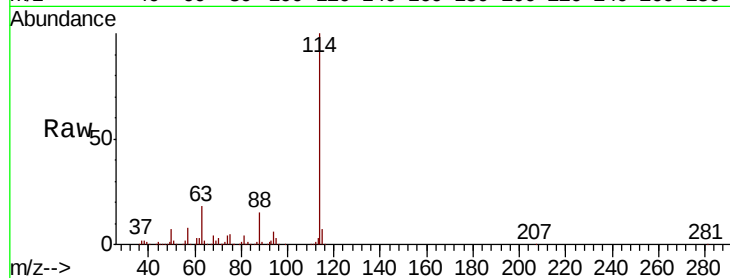




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.01 min
Lab File: VW006343.D
Acq: 25 Oct 2018 04:03

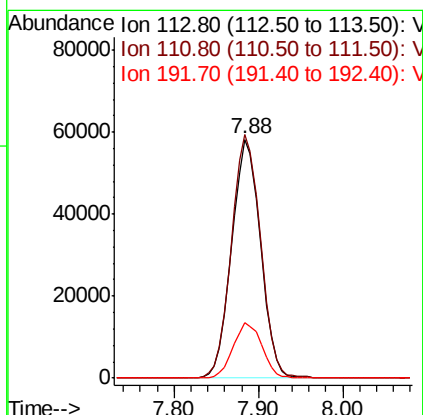
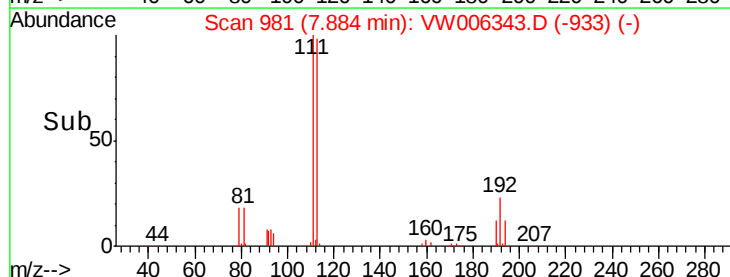
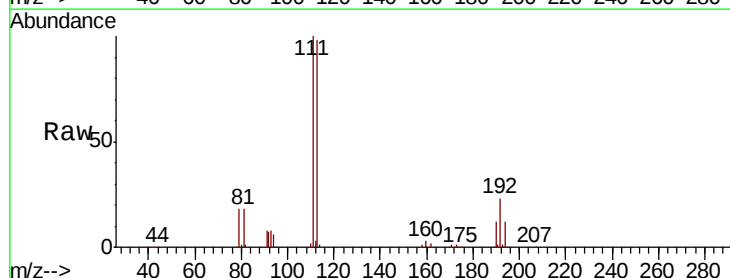
Instrument :
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ClientSampleId :
CL-01-102318-C

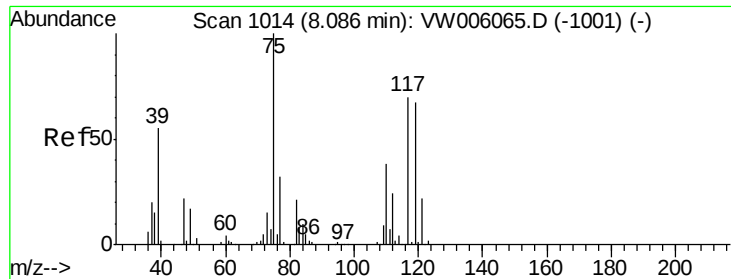
Tot Ion:114 Resp: 456451
Ion Ratio Lower Upper
114 100
63 18.1 0.0 36.8
88 15.1 0.0 29.0



#35
Dibromofluoromethane
Concen: 50.024 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.01 min
Lab File: VW006343.D
Acq: 25 Oct 2018 04:03

Tgt Ion:113 Resp: 134921
Ion Ratio Lower Upper
113 100
111 102.8 81.4 122.0
192 23.2 18.7 28.1

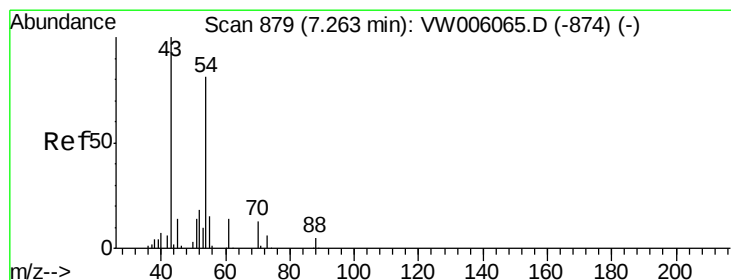
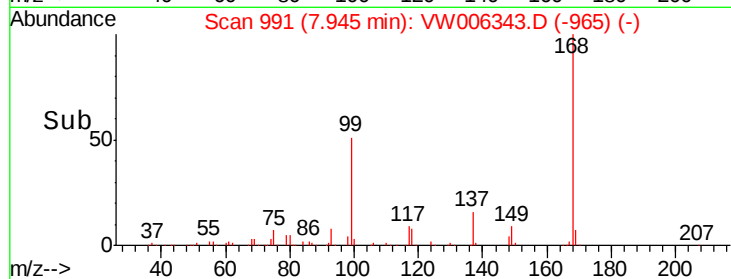
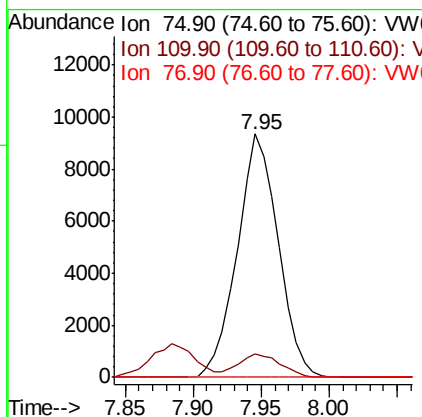
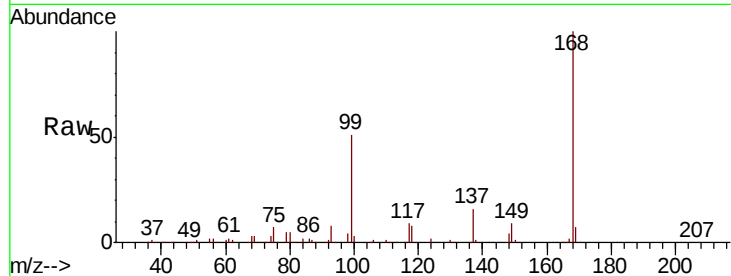




#36
 1,1-Dichloropropene
 Concen: 4.656 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW006343.D
 Acq: 25 Oct 2018 04:03

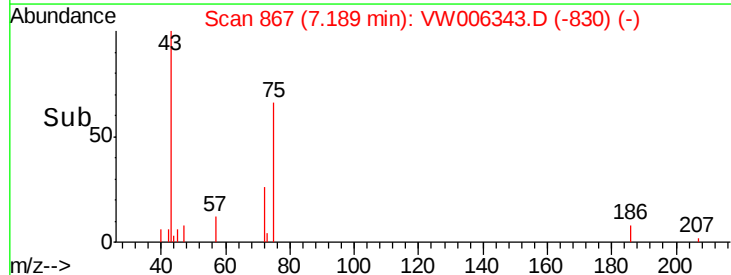
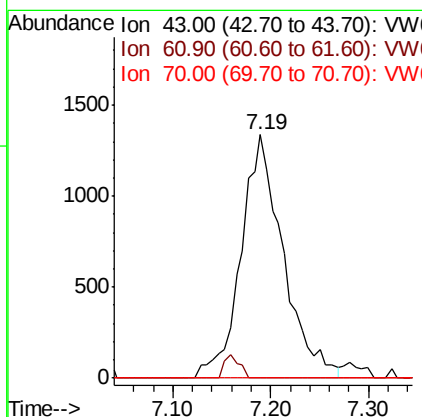
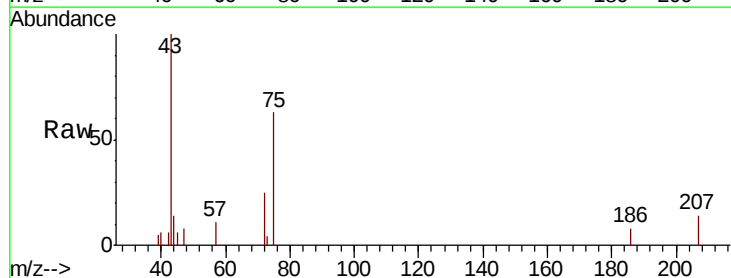
Instrument :
 MSVOA_W
 ClientSampleId :
 CL-01-102318-C

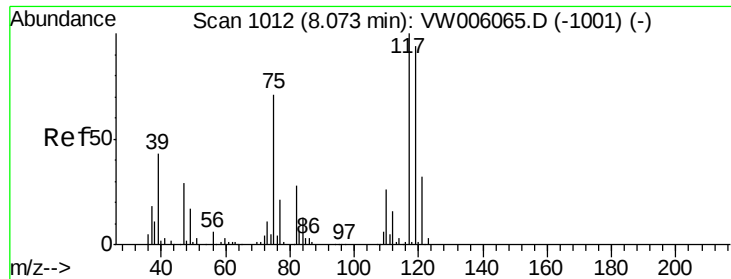
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.8	19.1	57.1#
77	0.0	25.0	37.4#



#37
 Ethyl Acetate
 Concen: 2.570 ug/l
 RT: 7.19 min Scan# 867
 Delta R.T. -0.07 min
 Lab File: VW006343.D
 Acq: 25 Oct 2018 04:03

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.5	17.3#
70	0.0	9.2	13.8#





#38

Carbon Tetrachloride

Concen: 6.008 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW006343.D

Acq: 25 Oct 2018 04:03

Instrument :

MSVOA_W

ClientSampleId :

CL-01-102318-C

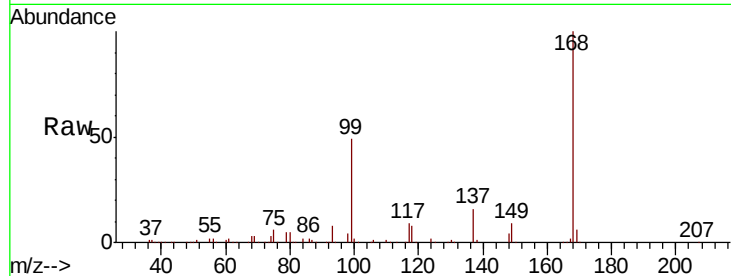
Tot Ion:117 Resp: 27709

Ion Ratio Lower Upper

117 100

119 3.8 75.2 112.8#

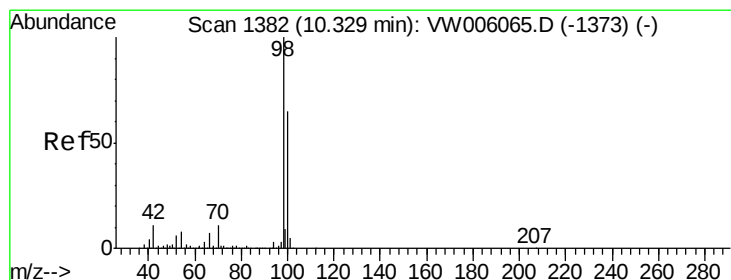
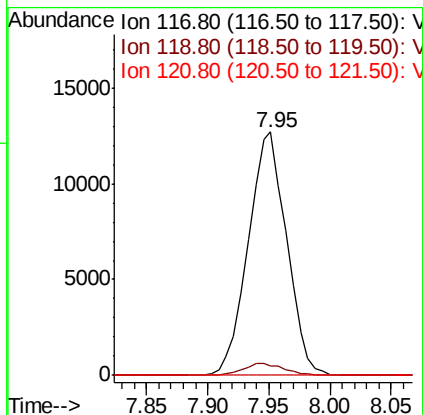
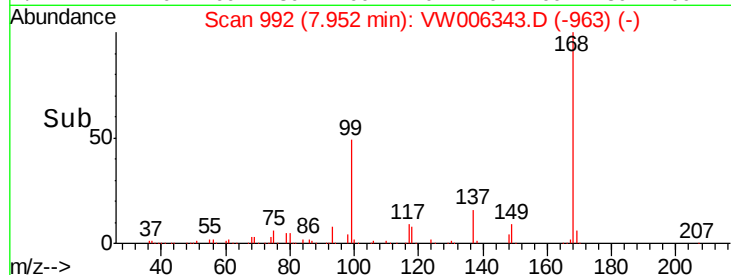
121 0.0 25.3 37.9#



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: 47.197 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006343.D

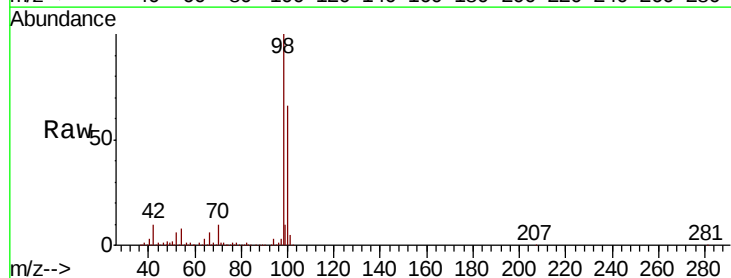
Acq: 25 Oct 2018 04:03

Tgt Ion: 98 Resp: 484301

Ion Ratio Lower Upper

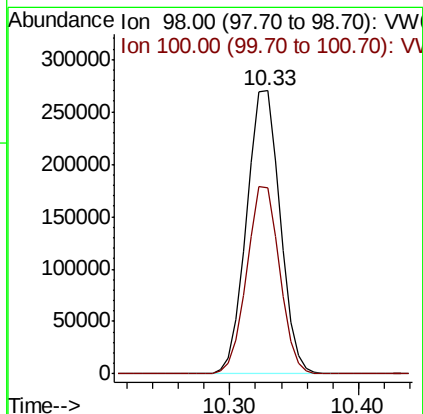
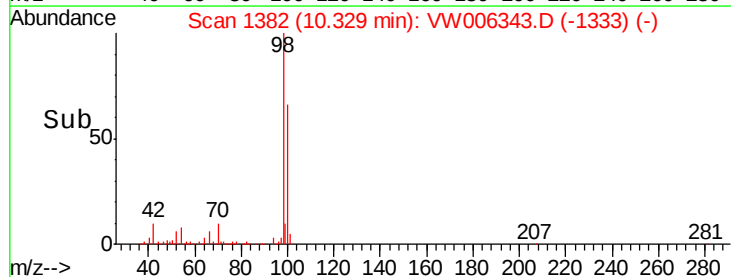
98 100

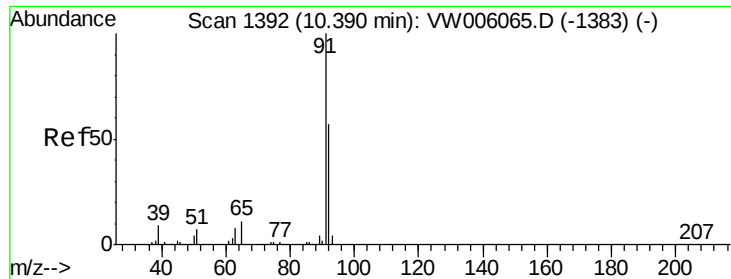
100 64.9 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 7.634 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006343.D

Acq: 25 Oct 2018 04:03

Instrument :

MSVOA_W

ClientSampleId :

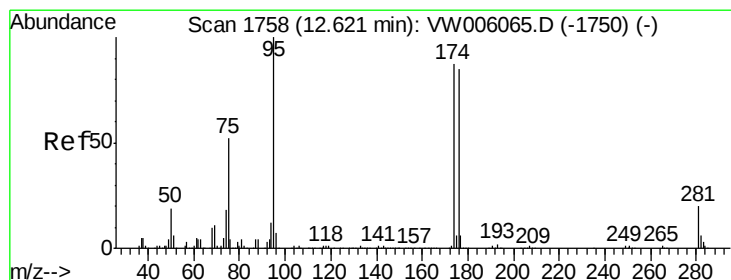
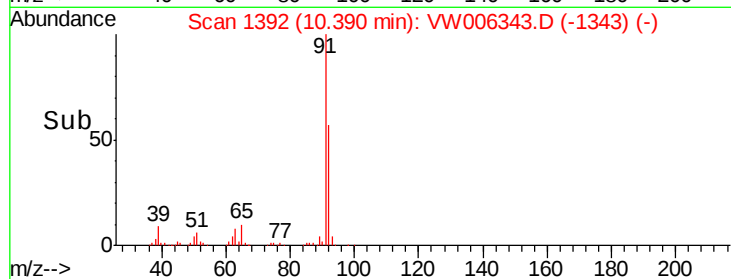
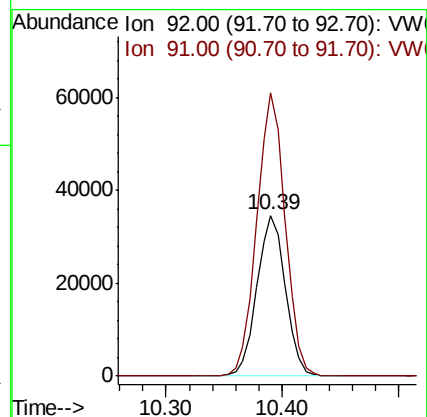
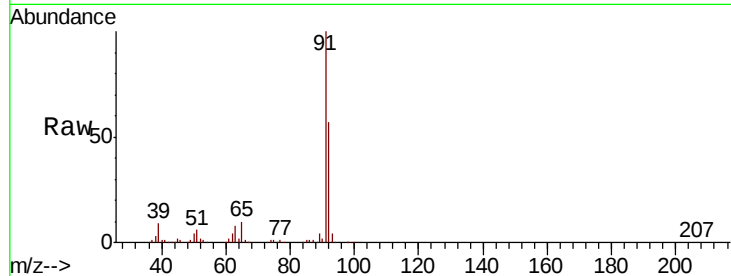
CL-01-102318-C

Tot Ion: 92 Resp: 59064

Ion Ratio Lower Upper

92 100

91 175.5 140.0 210.0



#62

4-Bromofluorobenzene

Concen: 40.882 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006343.D

Acq: 25 Oct 2018 04:03

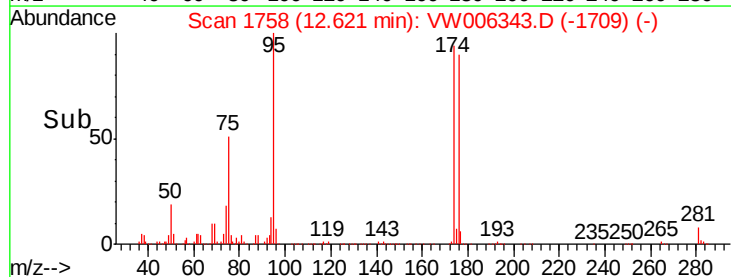
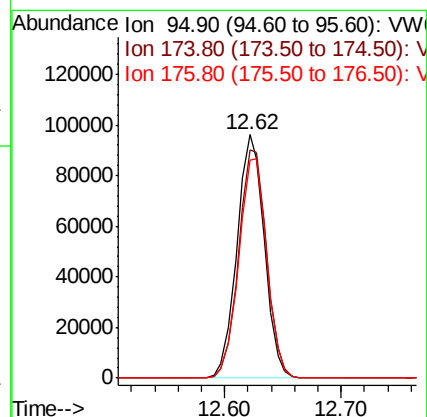
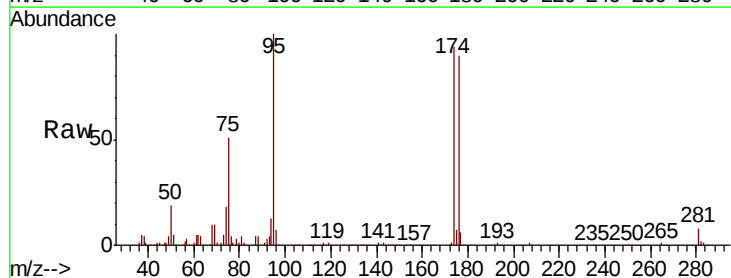
Tgt Ion: 95 Resp: 157561

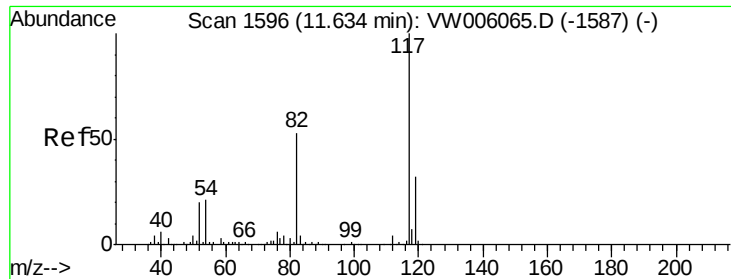
Ion Ratio Lower Upper

95 100

174 95.7 0.0 186.0

176 92.4 0.0 181.6

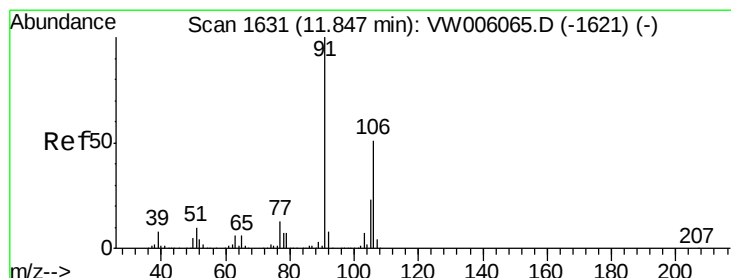
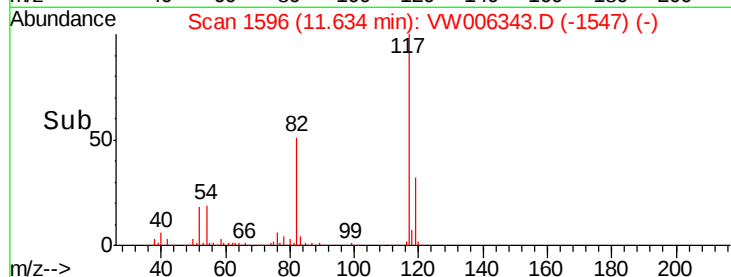
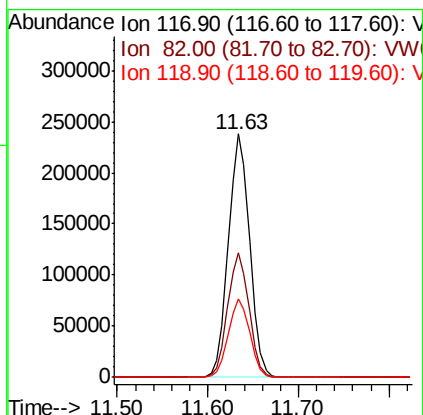
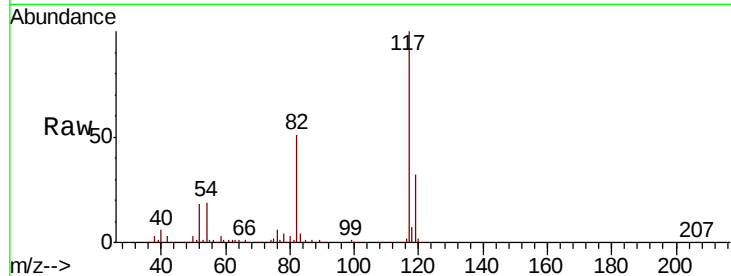




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006343.D
Acq: 25 Oct 2018 04:03

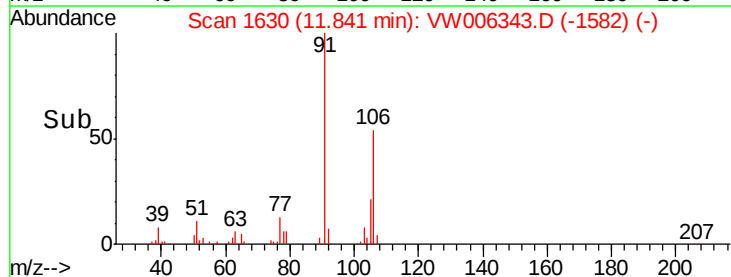
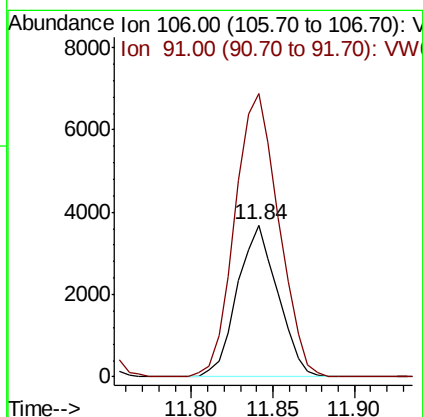
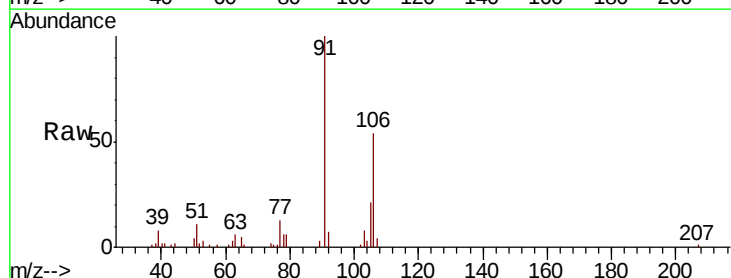
Instrument :
MSVOA_W
ClientSampleId :
CL-01-102318-C

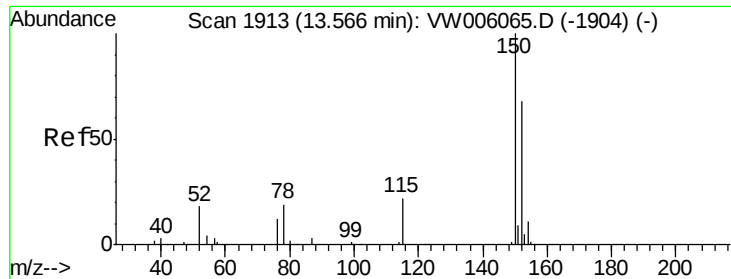
Tot Ion:117 Resp: 387242
Ion Ratio Lower Upper
117 100
82 51.1 42.1 63.1
119 32.3 25.8 38.6



#68
m/p-Xylenes
Concen: 1.122 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.01 min
Lab File: VW006343.D
Acq: 25 Oct 2018 04:03

Tgt Ion:106 Resp: 6371
Ion Ratio Lower Upper
106 100
91 201.7 159.1 238.7

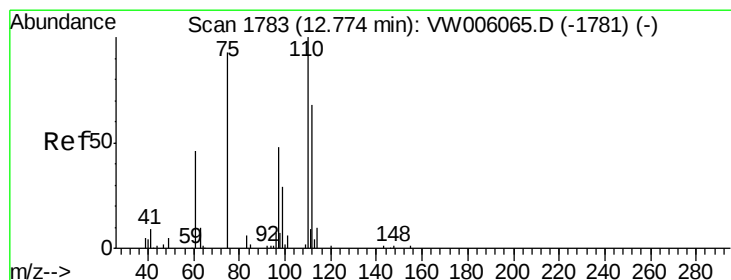
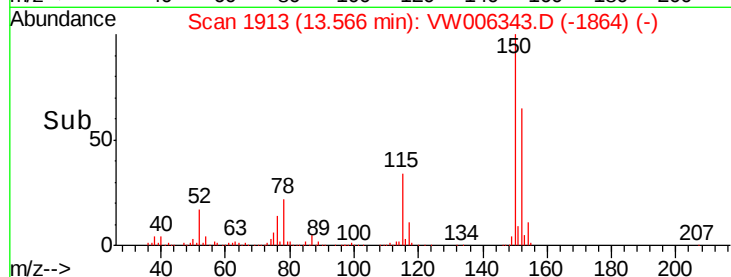
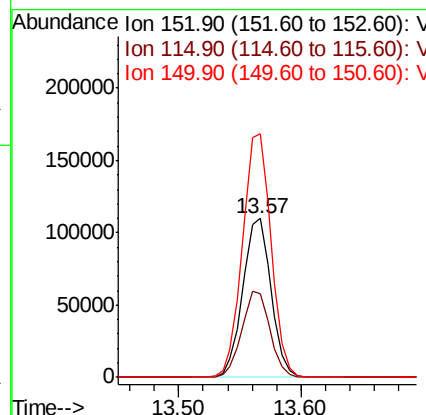
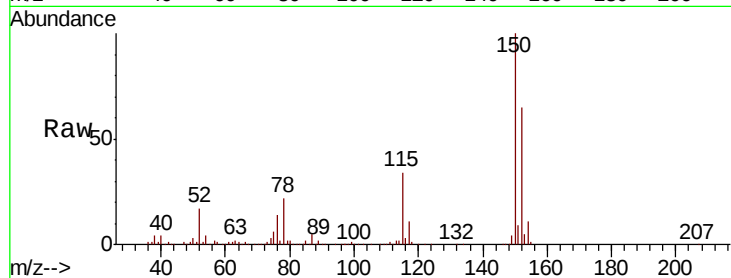




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.57 min Scan# 1913
 Delta R.T. 0.00 min
 Lab File: VW006343.D
 Acq: 25 Oct 2018 04:03

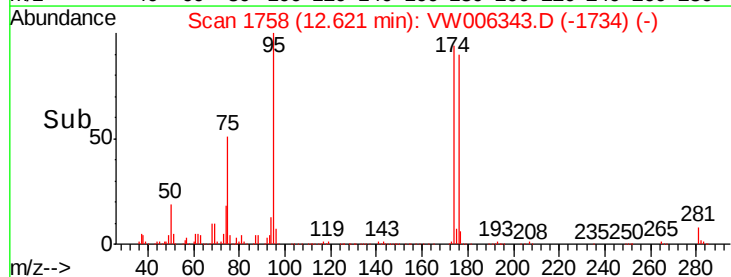
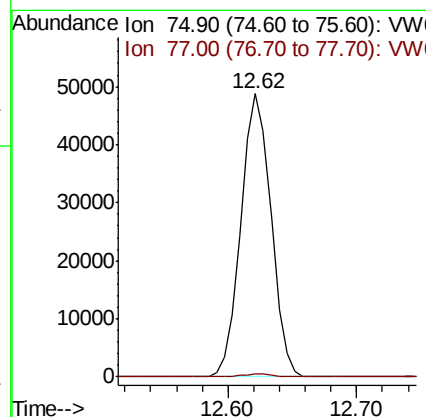
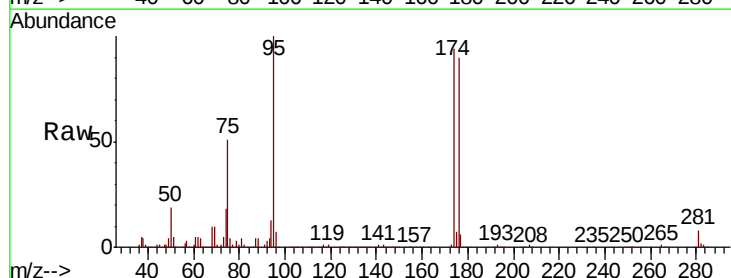
Instrument :
 MSVOA_W
 ClientSampleId :
 CL-01-102318-C

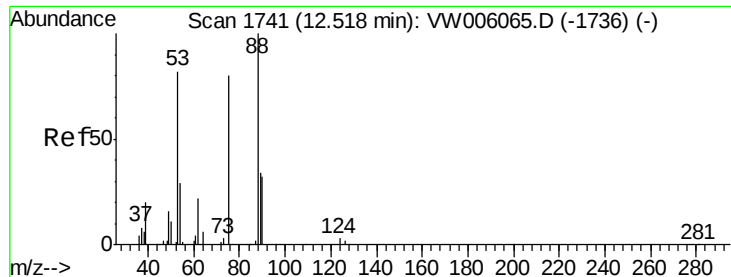
Tot Ion:152 Resp: 175005
 Ion Ratio Lower Upper
 152 100
 115 54.1 27.8 83.3
 150 155.2 0.0 349.2



#76
 1,2,3-Trichloropropane
 Concen: 59.085 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW006343.D
 Acq: 25 Oct 2018 04:03

Tgt Ion: 75 Resp: 78979
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 141.237 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006343.D

Acq: 25 Oct 2018 04:03

Instrument :

MSVOA_W

ClientSampleId :

CL-01-102318-C

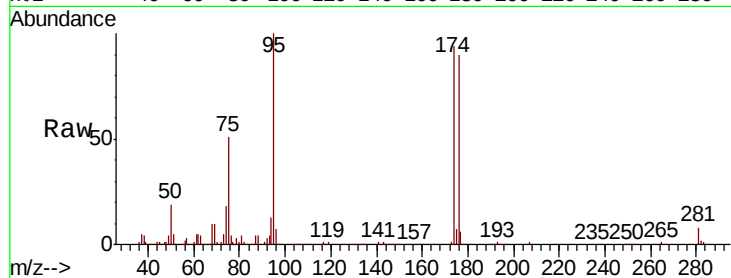
Tot Ion: 75 Resp: 78979

Ion Ratio Lower Upper

75 100

53 0.0 79.8 119.6#

89 0.0 37.5 56.3#



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

