

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW073018\
 Data File : VW004325.D
 Acq On : 29 Jul 2018 20:23
 Operator : SY/AP
 Sample : J4095-09RE
 Misc : 14.12G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 30 04:34:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W073018S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 30 02:37:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	135524	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	209903	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	188026	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	96693	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	72262	52.86	ug/l	0.00
Spiked Amount			Recovery	=	105.72%	
35) Dibromofluoromethane	7.88	113	64573	48.68	ug/l	0.00
Spiked Amount			Recovery	=	97.36%	
50) Toluene-d8	10.33	98	226010	43.11	ug/l	0.00
Spiked Amount			Recovery	=	86.22%	
62) 4-Bromofluorobenzene	12.62	95	76433	41.41	ug/l	0.00
Spiked Amount			Recovery	=	82.82%	

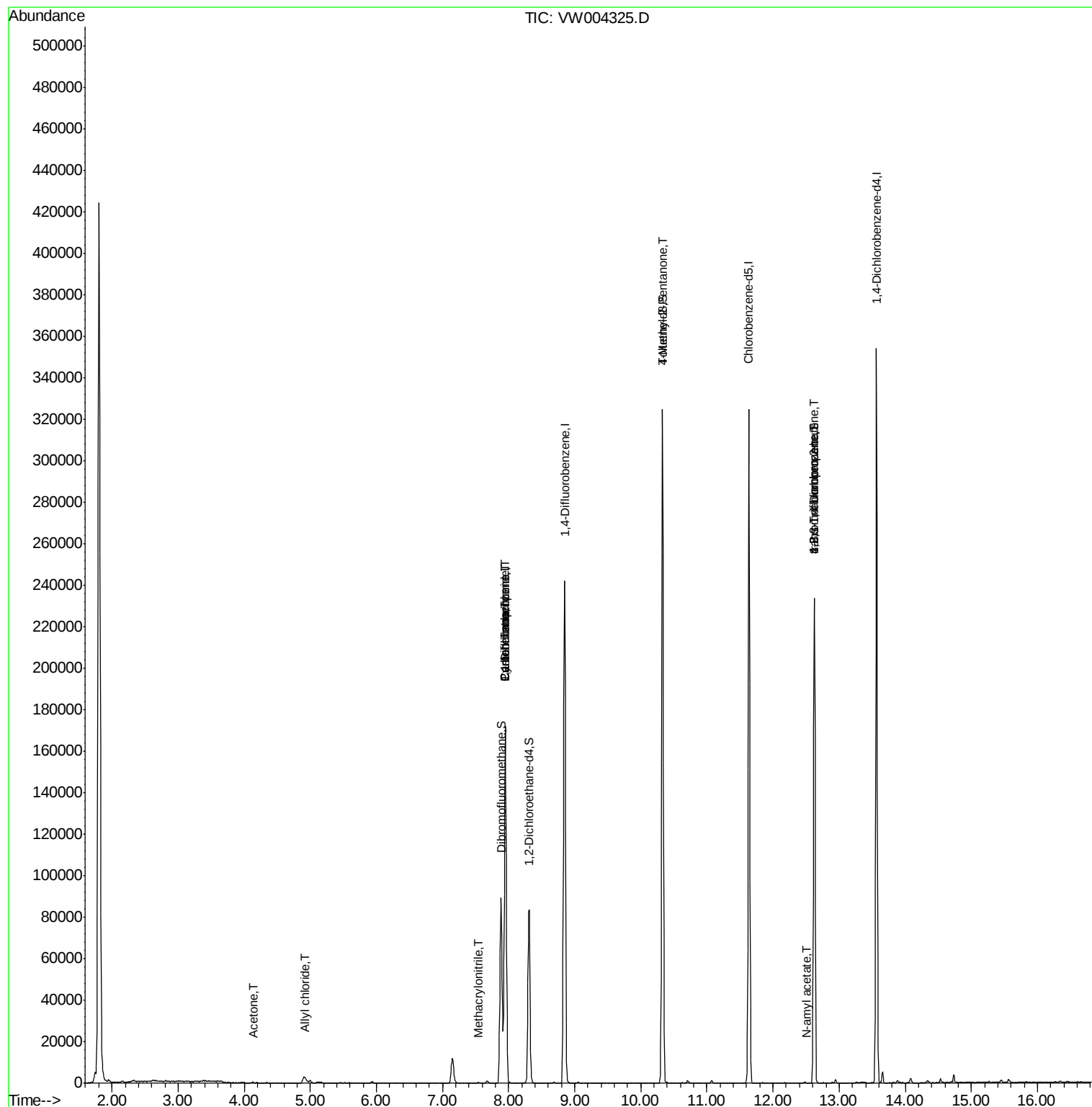
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.31	50	68	Below Cal	#	44
5) Bromomethane	3.04	94	21	Below Cal		91
11) Tert butyl alcohol	5.21	59	58	Below Cal	#	72
14) Allyl chloride	4.92	41	23	1.521	ug/l #	25
16) Acetone	4.13	43	400	14.693	ug/l #	44
31) Cyclohexane	7.95	56	2337	1.001	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	8788	4.185	ug/l #	51
38) Carbon Tetrachloride	7.95	117	12471	6.015	ug/l #	14
41) Methacrylonitrile	7.54	41	50	2.182	ug/l #	26
51) 4-Methyl-2-Pentanone	10.32	43	888	1.043	ug/l #	1
74) N-amyl acetate	12.50	43	20	1.886	ug/l #	42
76) 1,2,3-Trichloropropane	12.62	75	37949	43.003	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	37949	100.063	ug/l #	11

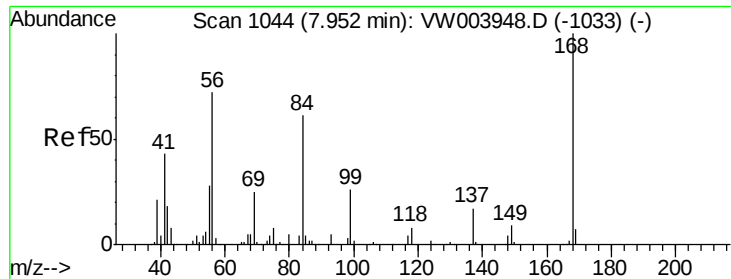
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jul 30 02:37:04 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW004325.D

Acq: 29 Jul 2018 20:23

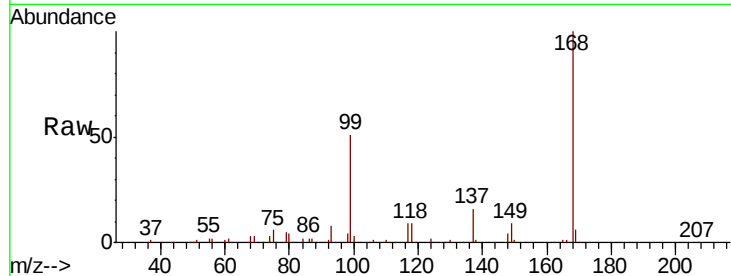
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 135524

Ion Ratio Lower Upper

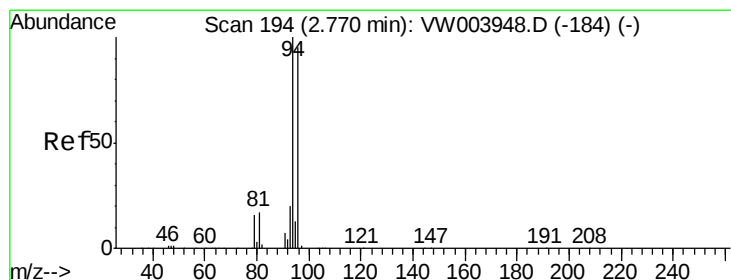
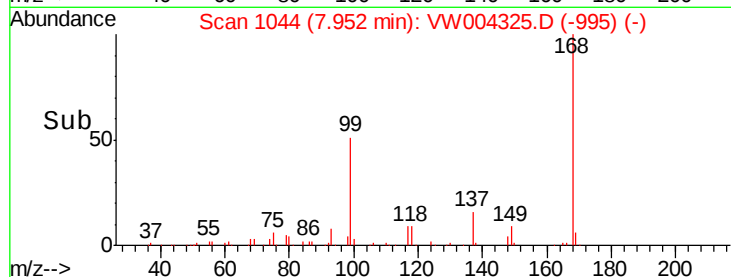
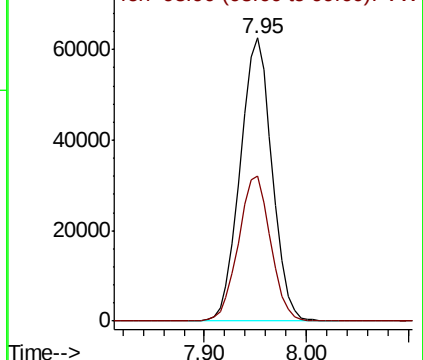
168 100

99 51.4 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#5

Bromomethane

Concen: Below Cal

RT: 3.04 min Scan# 239

Delta R.T. 0.27 min

Lab File: VW004325.D

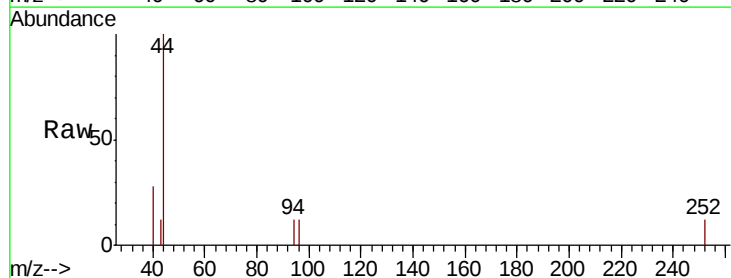
Acq: 29 Jul 2018 20:23

Tgt Ion: 94 Resp: 21

Ion Ratio Lower Upper

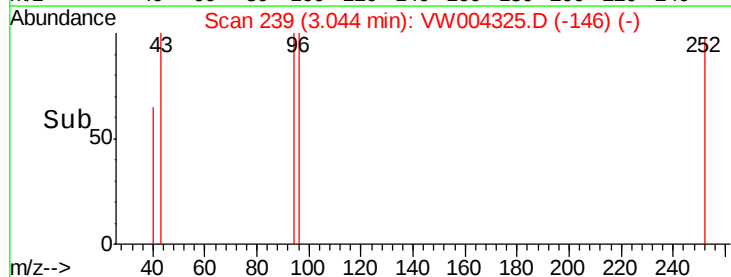
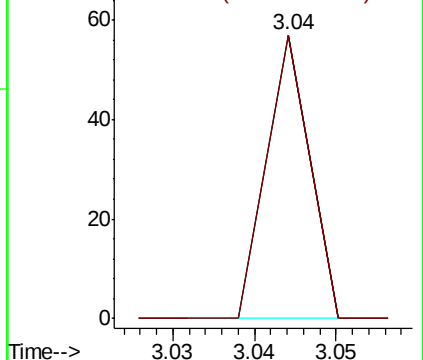
94 100

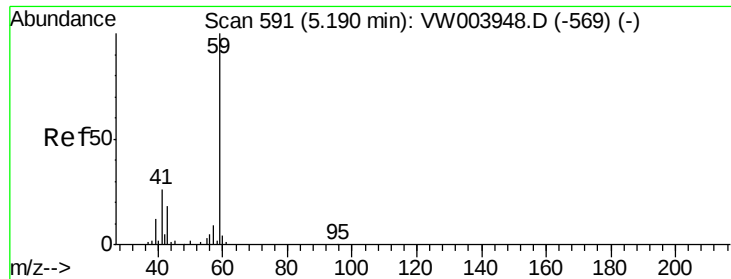
96 100.0 73.3 109.9



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



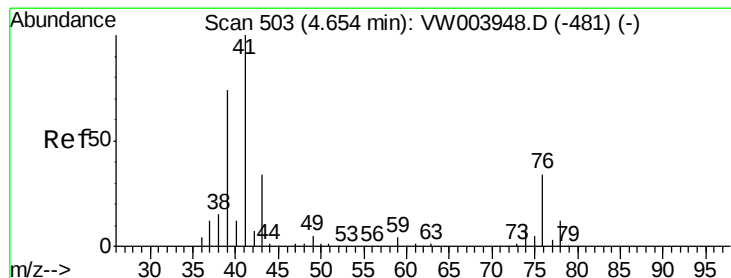
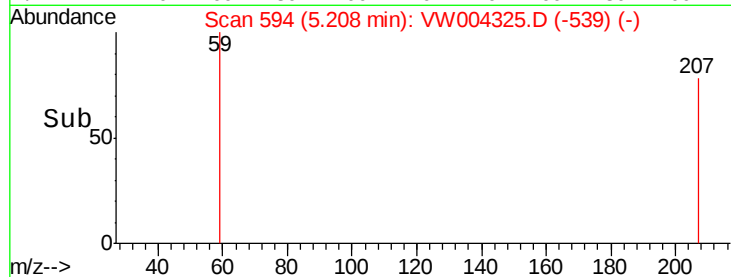
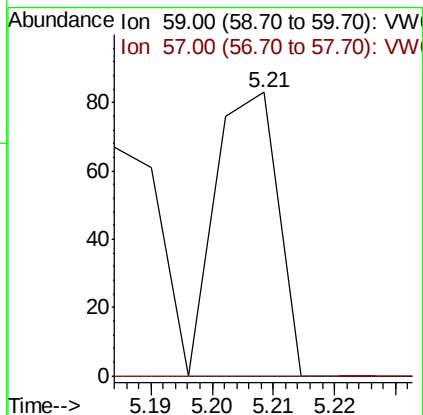
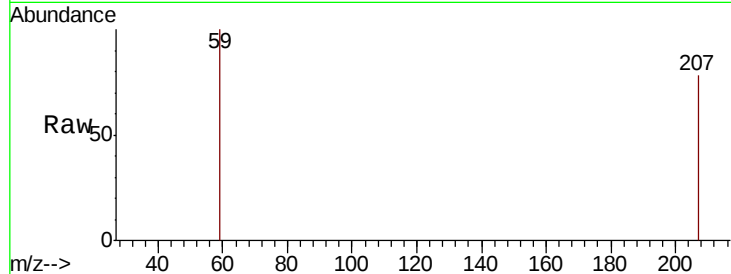


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 594
 Delta R.T. 0.04 min
 Lab File: VW004325.D
 Acq: 29 Jul 2018 20:23

Instrument :
 MSVOA_W
 ClientSampled :

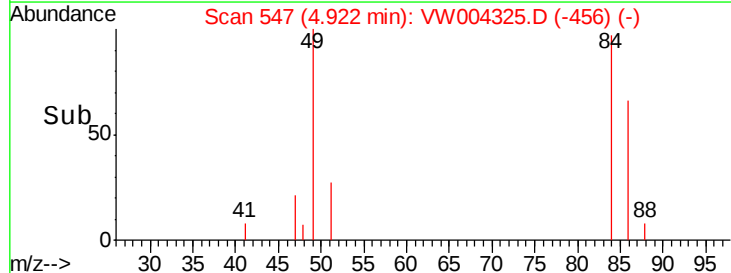
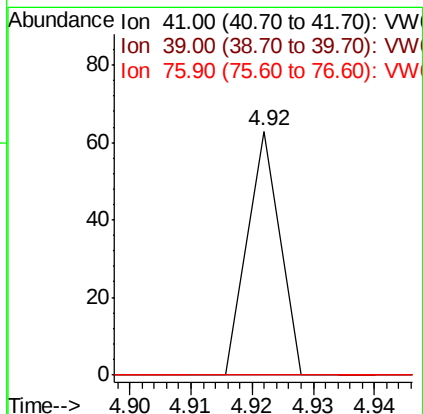
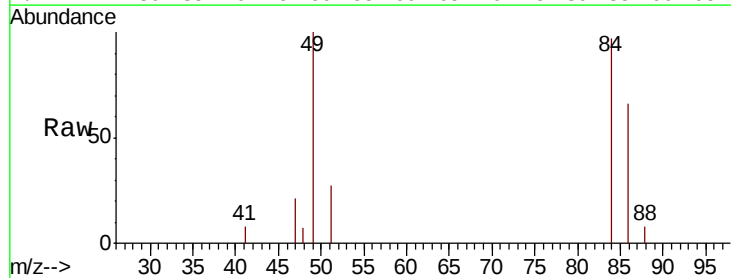
Tot Ion: 59 Resp: 58
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

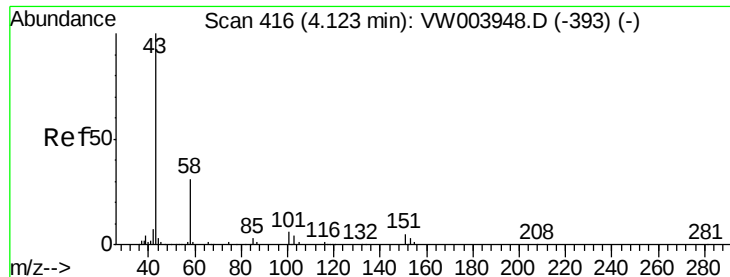


#14

Allyl chloride
 Concen: 1.521 ug/l
 RT: 4.92 min Scan# 547
 Delta R.T. 0.26 min
 Lab File: VW004325.D
 Acq: 29 Jul 2018 20:23

Tgt Ion: 41 Resp: 23
 Ion Ratio Lower Upper
 41 100
 39 0.0 52.3 78.5#
 76 0.0 27.3 40.9#





#16

Acetone

Concen: 14.693 ug/l

RT: 4.13 min Scan# 417

Delta R.T. 0.01 min

Lab File: VW004325.D

Acq: 29 Jul 2018 20:23

Instrument :

MSVOA_W

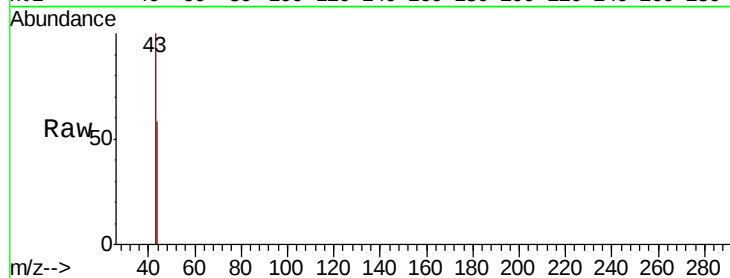
ClientSampled :

Tot Ion: 43 Resp: 400

Ion Ratio Lower Upper

43 100

58 0.0 24.8 37.2#



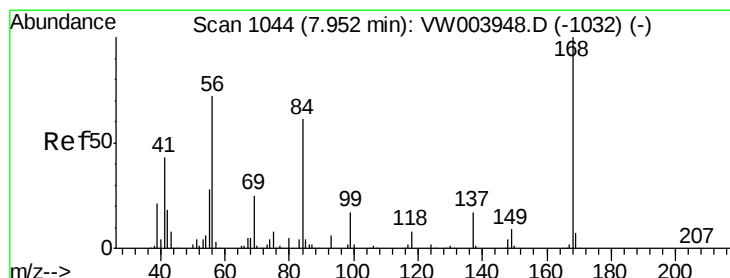
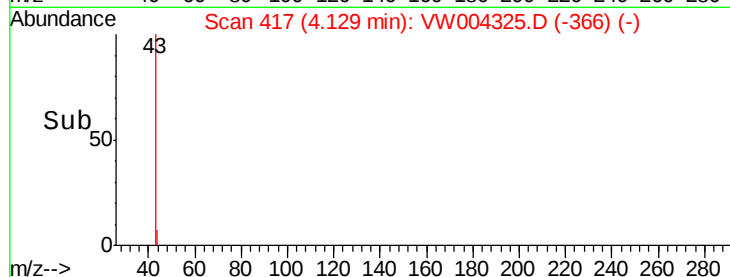
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

4.15

Time-->



#31

Cyclohexane

Concen: 1.001 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW004325.D

Acq: 29 Jul 2018 20:23

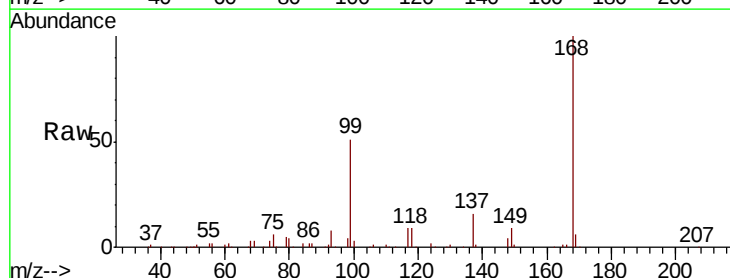
Tgt Ion: 56 Resp: 2337

Ion Ratio Lower Upper

56 100

69 190.2 26.3 39.5#

84 124.7 66.2 99.4#



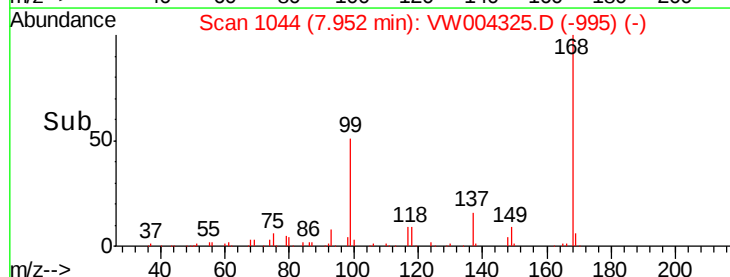
Abundance Ion 56.00 (55.70 to 56.70): VW

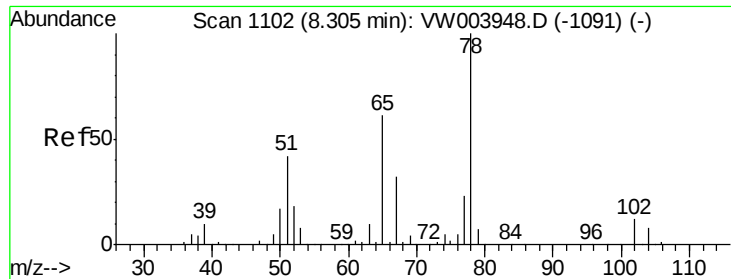
Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

7.95

Time-->

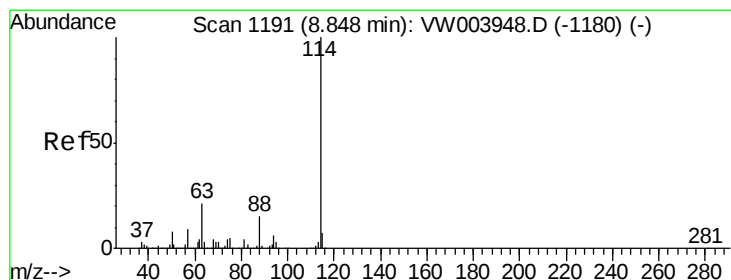
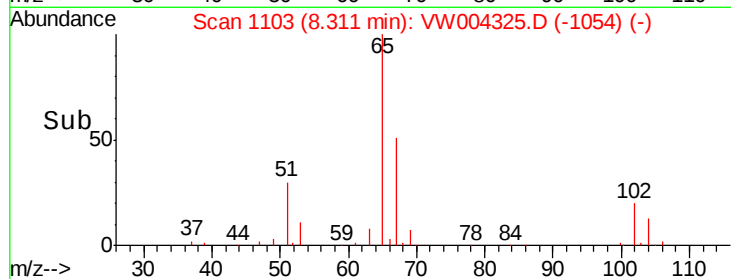
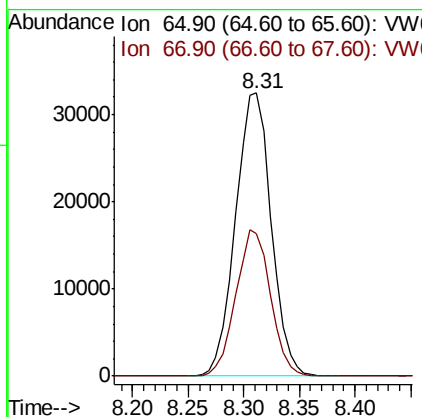
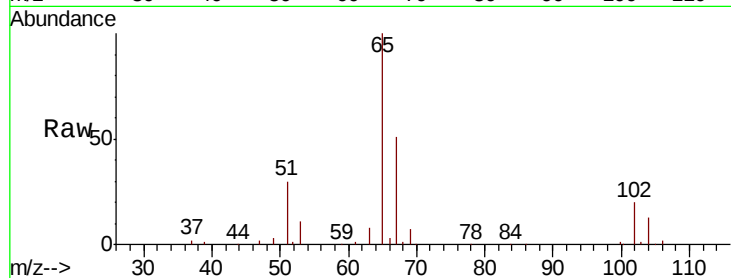




#33
 1,2-Dichloroethane-d4
 Concen: 52.859 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: VW004325.D
 Acq: 29 Jul 2018 20:23

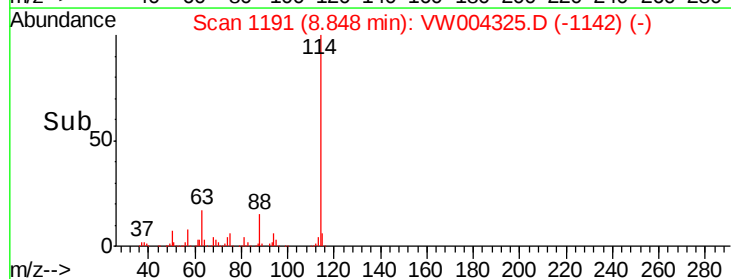
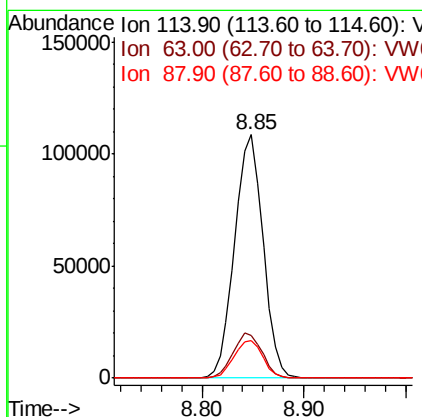
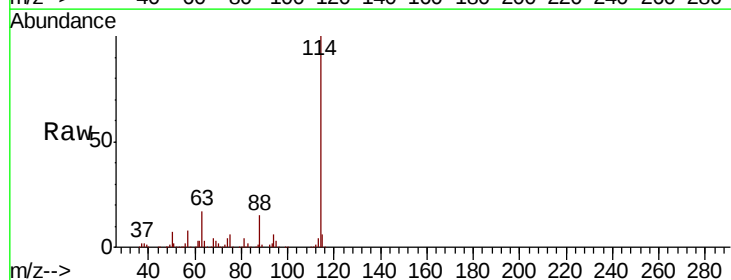
Instrument :
 MSVOA_W
 ClientSampleId :

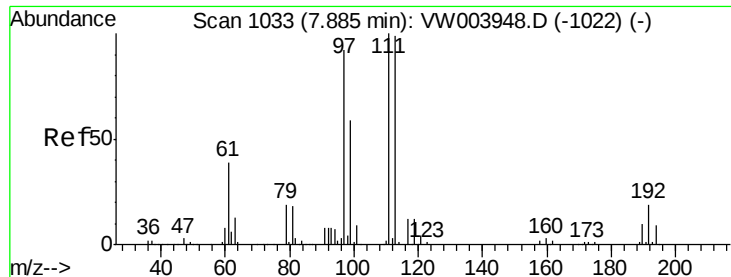
Tot Ion: 65 Resp: 72262
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW004325.D
 Acq: 29 Jul 2018 20:23

Tgt Ion: 114 Resp: 209903
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 41.4
 88 15.2 0.0 30.6

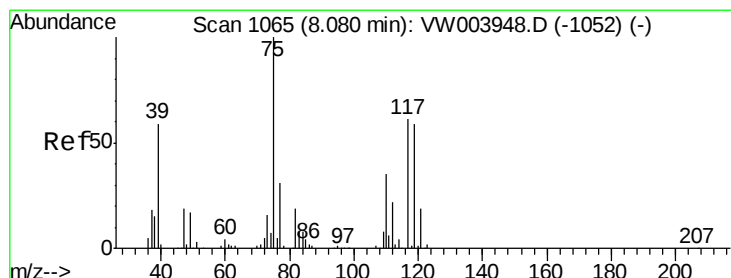
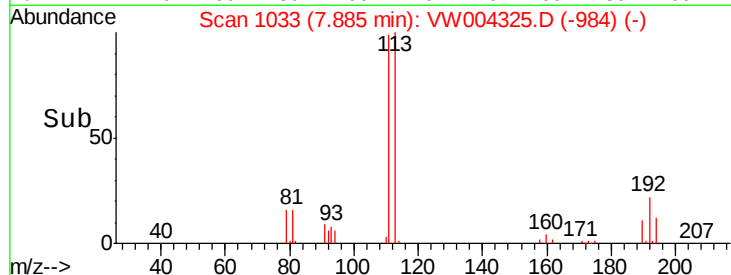
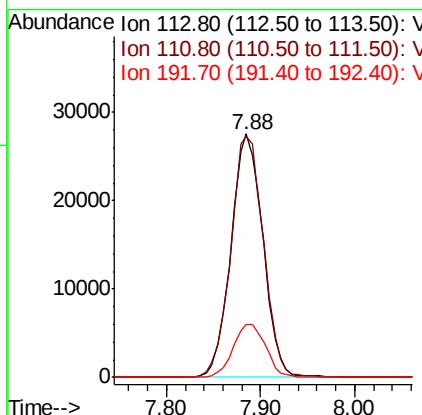
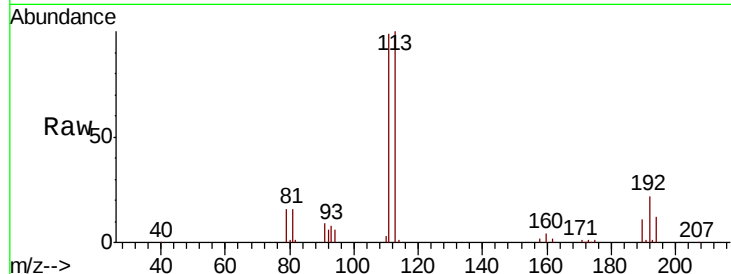




#35
 Dibromofluoromethane
 Concen: 48.679 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW004325.D
 Acq: 29 Jul 2018 20:23

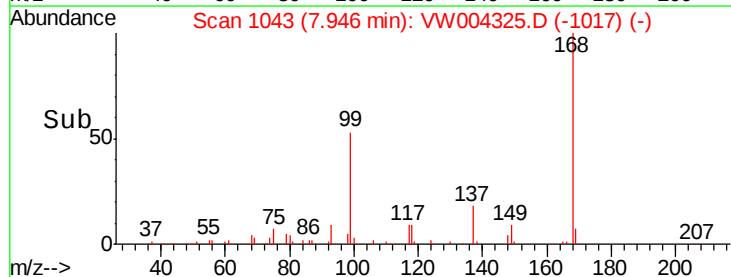
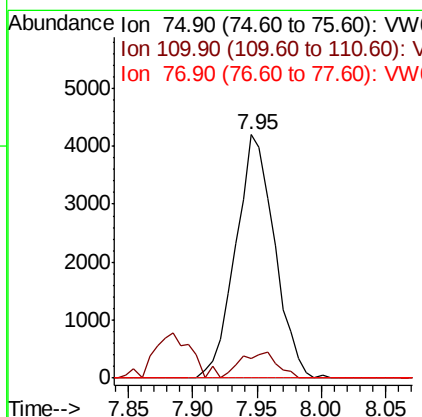
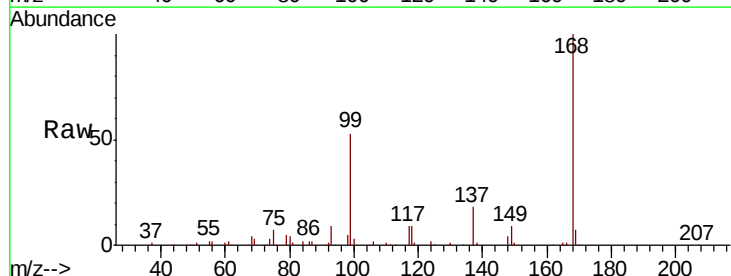
Instrument :
 MSVOA_W
 ClientSampleId :

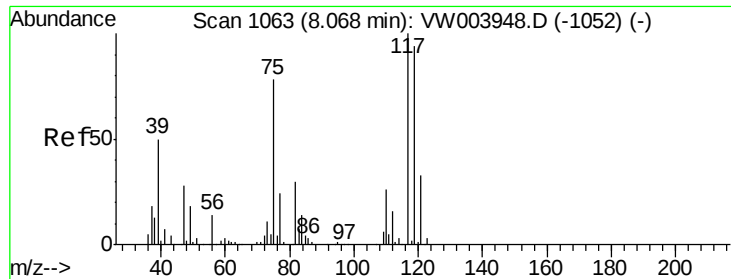
Tot Ion:113 Resp: 64573
 Ion Ratio Lower Upper
 113 100
 111 101.4 82.1 123.1
 192 22.2 16.2 24.4



#36
 1,1-Dichloropropene
 Concen: 4.185 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.14 min
 Lab File: VW004325.D
 Acq: 29 Jul 2018 20:23

Tgt Ion: 75 Resp: 8788
 Ion Ratio Lower Upper
 75 100
 110 10.0 17.3 52.0#
 77 0.0 25.0 37.6#

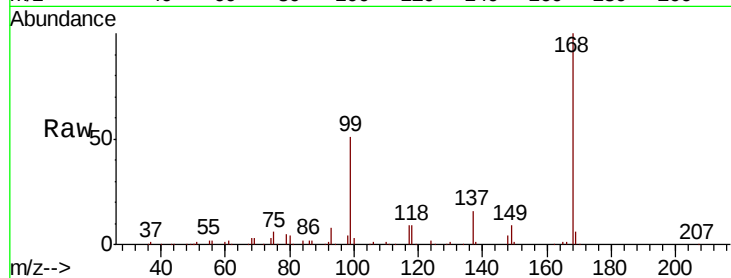




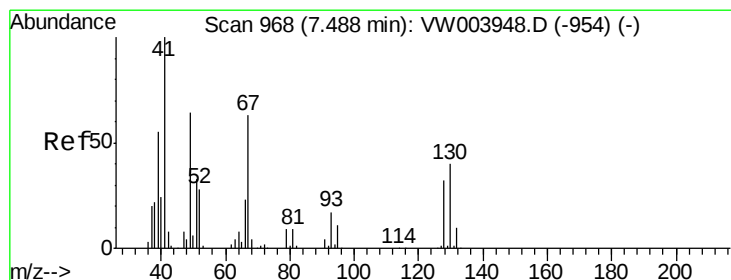
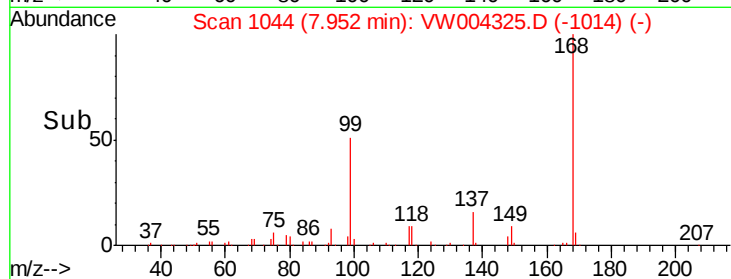
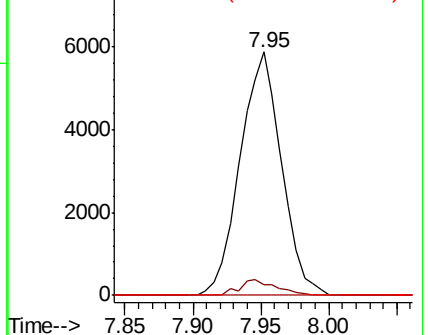
#38
Carbon Tetrachloride
Concen: 6.015 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.12 min
Lab File: VW004325.D
Acq: 29 Jul 2018 20:23

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 12471
Ion Ratio Lower Upper
117 100
119 4.2 79.7 119.5#
121 0.0 25.7 38.5#

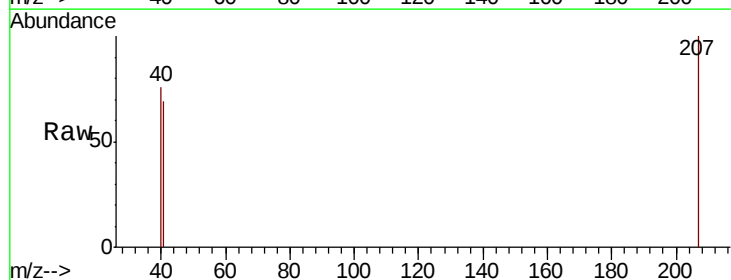


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

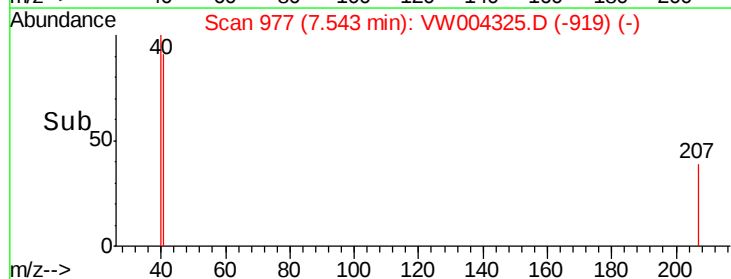
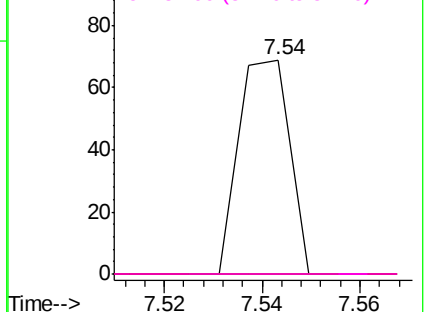


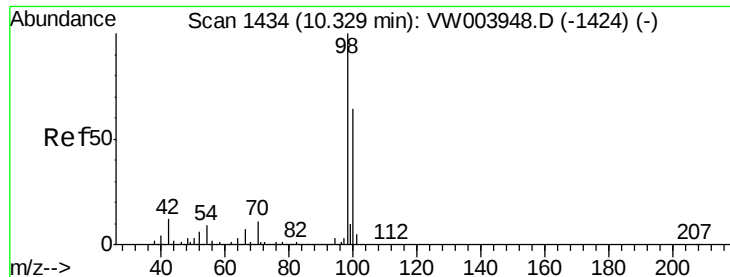
#41
Methacrylonitrile
Concen: 2.182 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.06 min
Lab File: VW004325.D
Acq: 29 Jul 2018 20:23

Tgt Ion: 41 Resp: 50
Ion Ratio Lower Upper
41 100
39 0.0 41.2 61.8#
67 0.0 53.4 80.0#
52 0.0 22.4 33.6#



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW





#50

Toluene-d8

Concen: 43.111 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004325.D

Acq: 29 Jul 2018 20:23

Instrument :

MSVOA_W

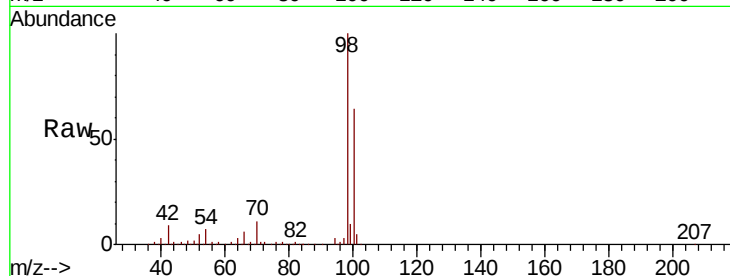
ClientSampled :

Tot Ion: 98 Resp: 226010

Ion Ratio Lower Upper

98 100

100 63.1 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.33

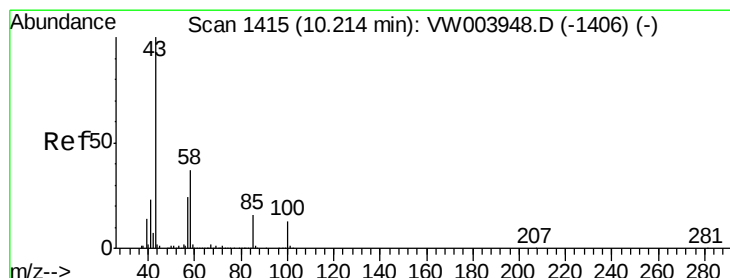
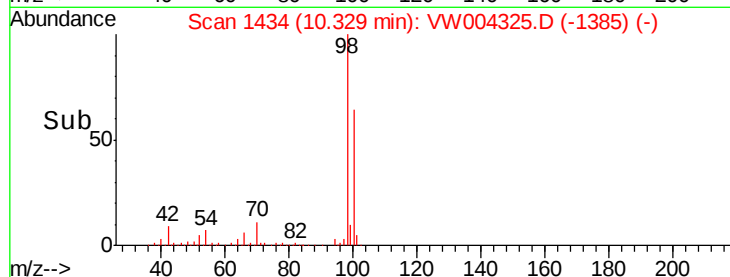
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.043 ug/l

RT: 10.32 min Scan# 1433

Delta R.T. 0.11 min

Lab File: VW004325.D

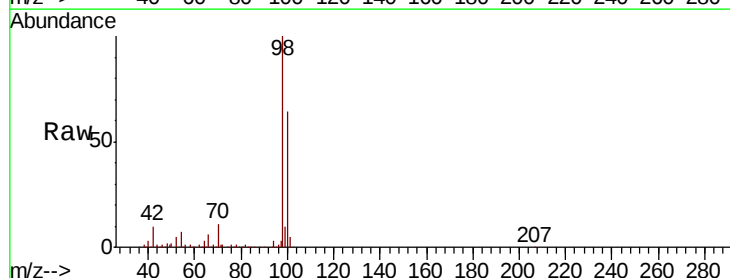
Acq: 29 Jul 2018 20:23

Tgt Ion: 43 Resp: 888

Ion Ratio Lower Upper

43 100

58 193.5 30.6 45.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.32

1000

800

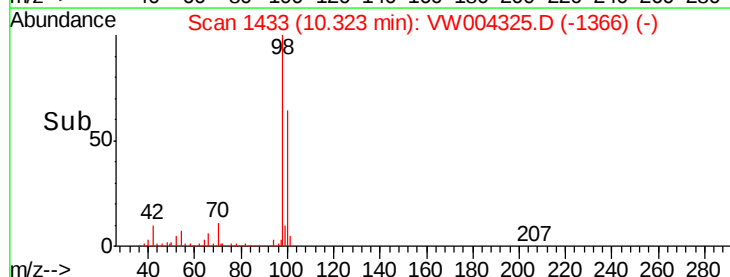
600

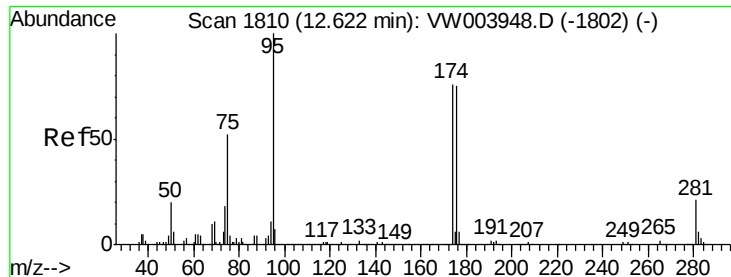
400

200

0

Time-->





#62

4-Bromofluorobenzene

Concen: 41.408 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW004325.D

Acq: 29 Jul 2018 20:23

Instrument :

MSVOA_W

ClientSampleId :

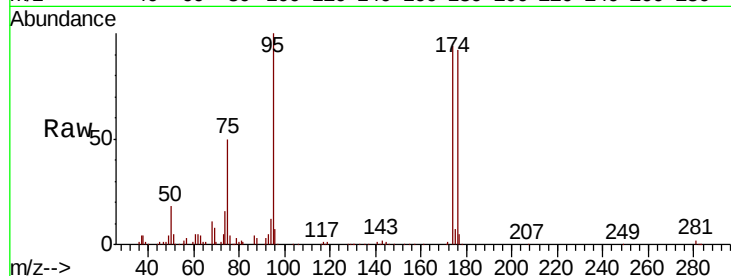
Tot Ion: 95 Resp: 76433

Ion Ratio Lower Upper

95 100

174 93.7 0.0 167.8

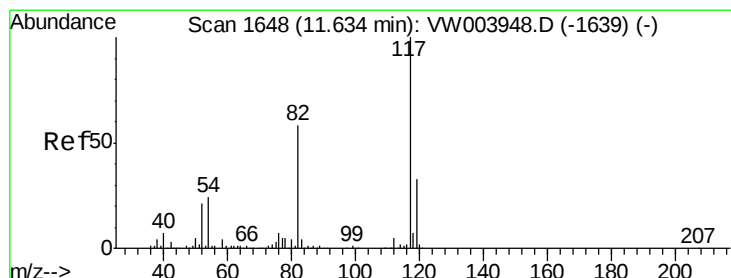
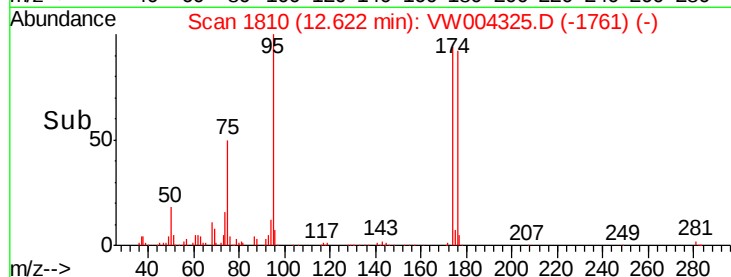
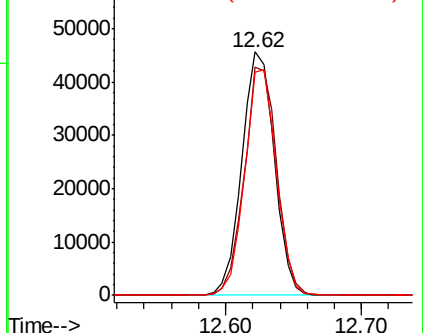
176 90.6 0.0 162.4



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VW004325.D

Acq: 29 Jul 2018 20:23

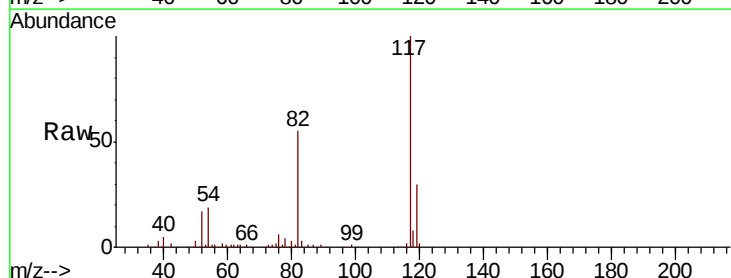
Tgt Ion: 117 Resp: 188026

Ion Ratio Lower Upper

117 100

82 54.7 47.9 71.9

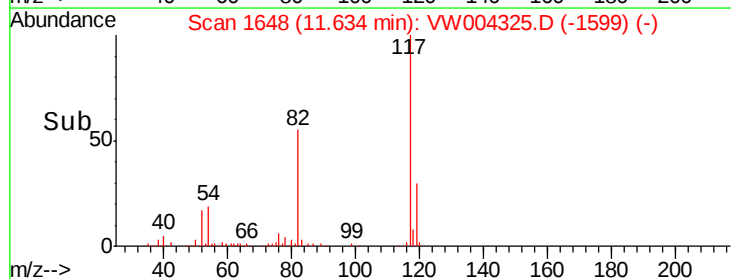
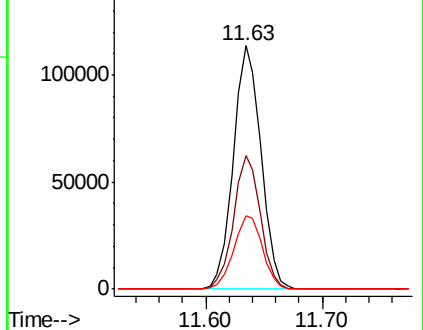
119 29.9 27.1 40.7

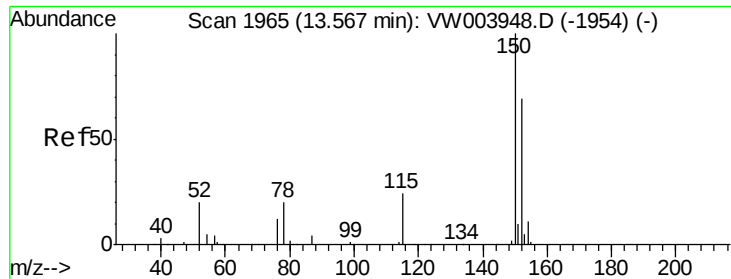


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



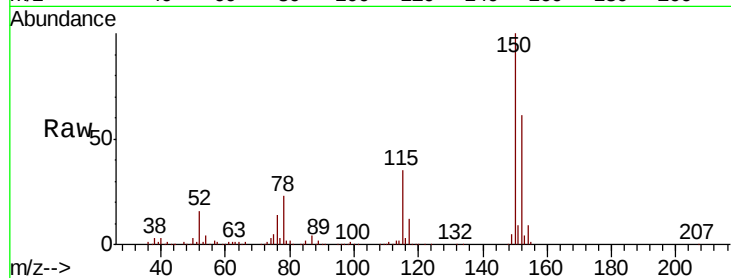


#72

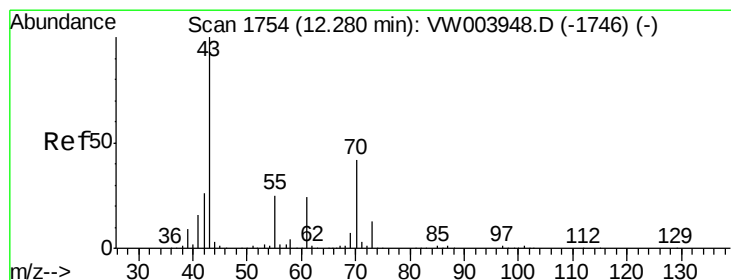
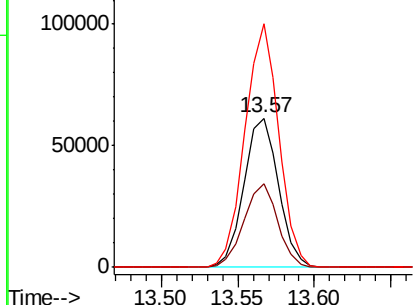
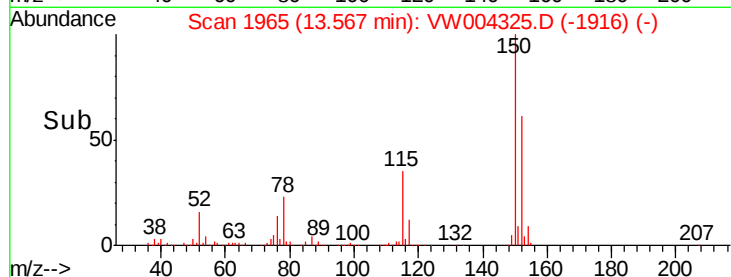
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW004325.D
Acq: 29 Jul 2018 20:23

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:152 Resp: 96693
Ion Ratio Lower Upper
152 100
115 54.9 28.8 86.4
150 158.9 0.0 346.4



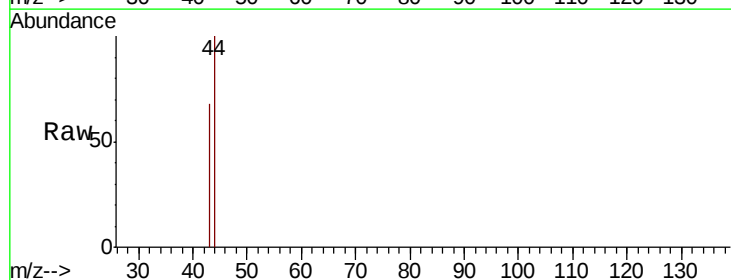
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



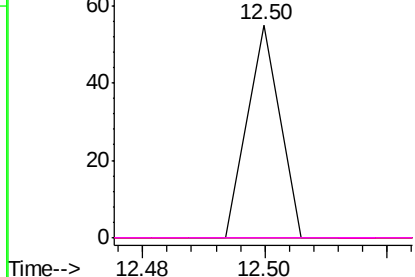
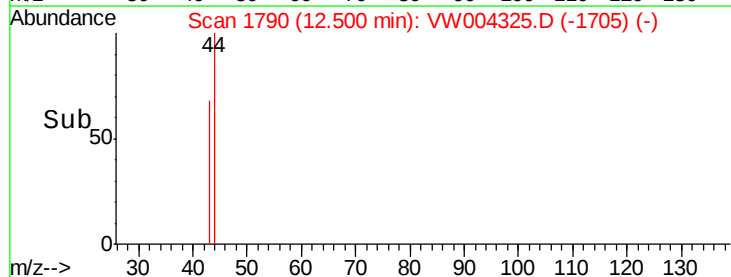
#74

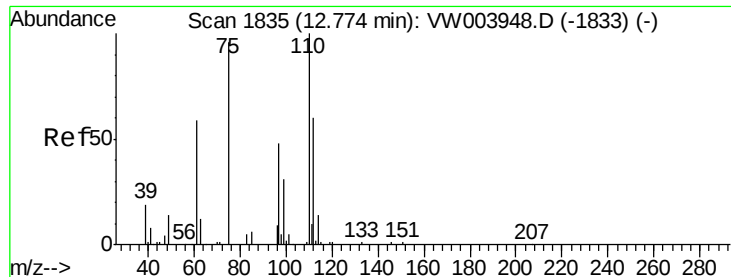
N-ethyl acetate
Concen: 1.886 ug/l
RT: 12.50 min Scan# 1790
Delta R.T. 0.22 min
Lab File: VW004325.D
Acq: 29 Jul 2018 20:23

Tgt Ion: 43 Resp: 20
Ion Ratio Lower Upper
43 100
70 0.0 34.2 51.4#
55 0.0 21.8 32.8#
61 0.0 18.9 28.3#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 70.00 (69.70 to 70.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 61.00 (60.70 to 61.70): VW





#76

1,2,3-Trichloropropane

Concen: 43.003 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004325.D

Acq: 29 Jul 2018 20:23

Instrument :

MSVOA_W

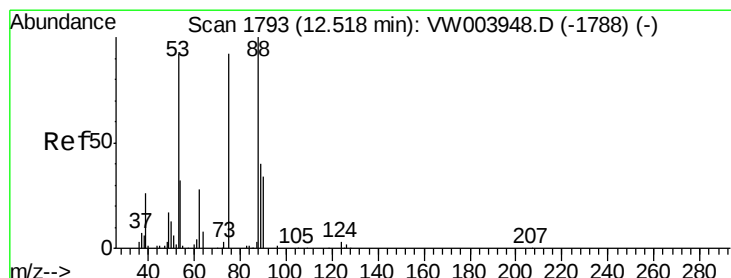
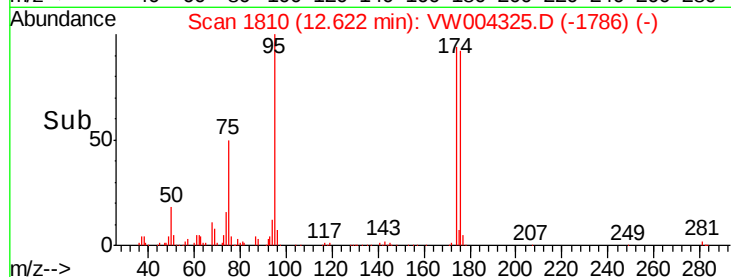
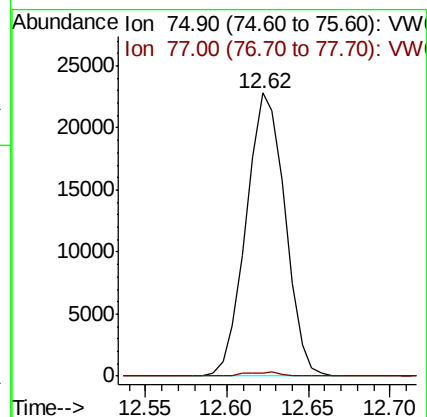
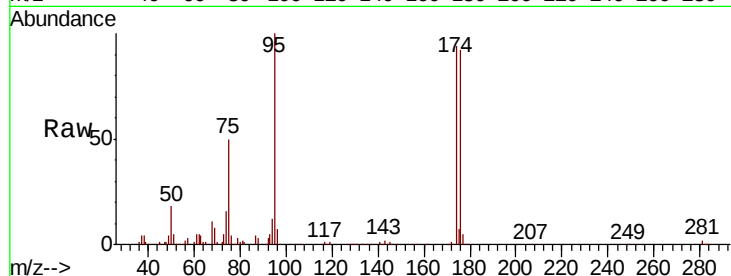
ClientSampled :

Tot Ion: 75 Resp: 37949

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 100.063 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004325.D

Acq: 29 Jul 2018 20:23

Tgt Ion: 75 Resp: 37949

Ion Ratio Lower Upper

75 100

53 0.1 77.6 116.4#

89 0.0 36.0 54.0#

