

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081918\
 Data File : VW004773.D
 Acq On : 18 Aug 2018 10:48
 Operator : SY/AP
 Sample : J4521-13
 Misc : 5.42G/5ML/MSVOA W/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 72-12003

Quant Time: Aug 20 12:00:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:49:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	399597	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	650574	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	501468	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	147951	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	229512	59.41	ug/l	0.00
Spiked Amount			Recovery	=	118.82%	
35) Dibromofluoromethane	7.89	113	224548	54.00	ug/l	0.00
Spiked Amount			Recovery	=	108.00%	
50) Toluene-d8	10.33	98	588807	36.28	ug/l	0.00
Spiked Amount			Recovery	=	72.56%	
62) 4-Bromofluorobenzene	12.63	95	164326	28.14	ug/l	0.00
Spiked Amount			Recovery	=	56.28%	

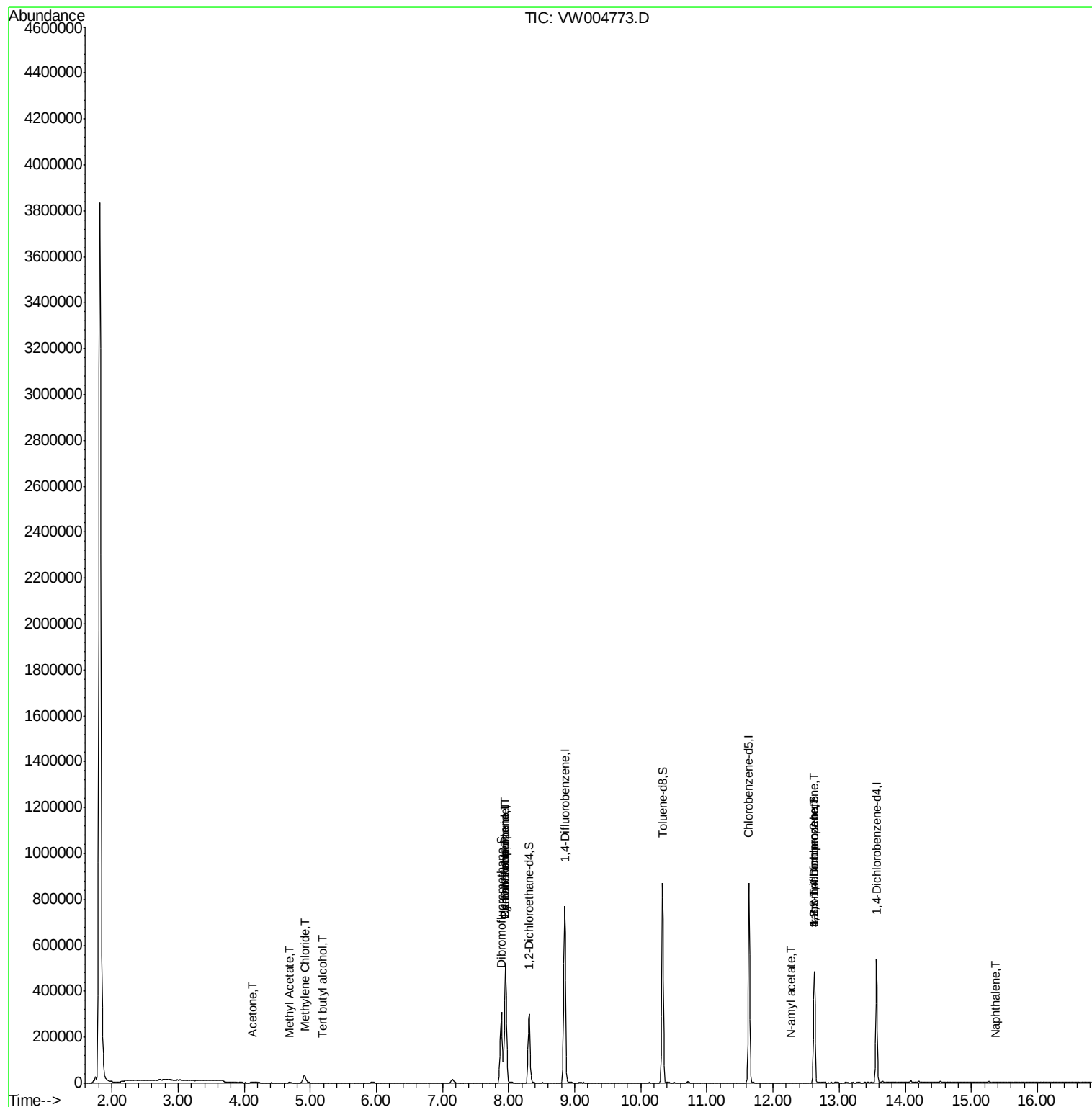
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.19	59	298	1.38	ug/l #	72
16) Acetone	4.13	43	6535	6.63	ug/l #	82
18) Methyl Acetate	4.68	43	2412	1.14	ug/l #	80
20) Methylene Chloride	4.92	84	24278	1.18	ug/l	98
31) Cyclohexane	7.95	56	7659	1.01	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	29479	4.40	ug/l #	49
38) Carbon Tetrachloride	7.95	117	37321	6.05	ug/l #	16
74) N-amyl acetate	12.28	43	89	4.05	ug/l #	40
76) 1,2,3-Trichloropropane	12.62	75	78919	60.51	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	78919	140.64	ug/l #	14
95) Naphthalene	15.38	128	499	3.58	ug/l #	69

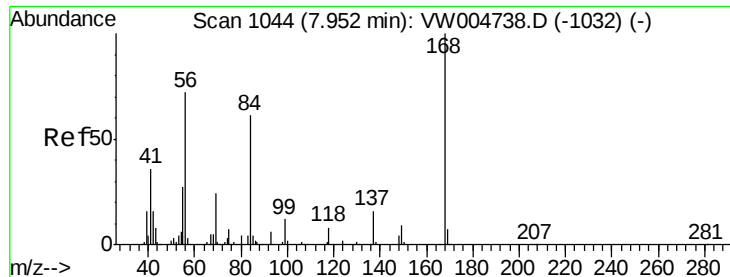
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004773.D

Acq: 18 Aug 2018 10:48

Instrument :

MSVOA_W

ClientSampleId :

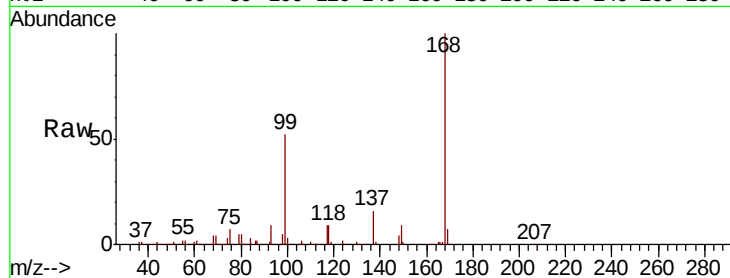
72-12003

Tot Ion:168 Resp: 399597

Ion Ratio Lower Upper

168 100

99 51.7 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

150000

100000

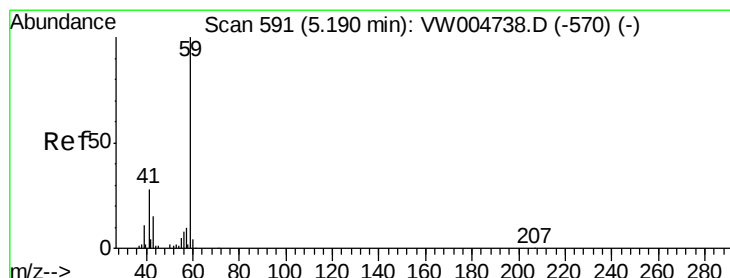
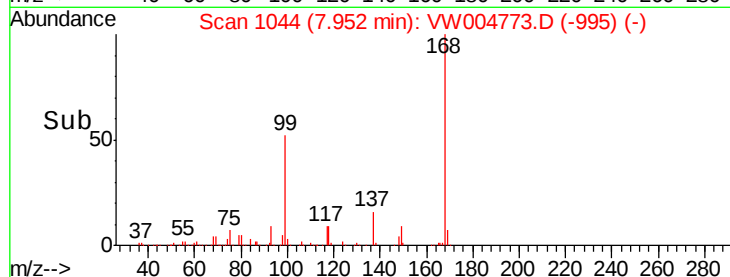
50000

0

7.90

8.00

Time-->



#11

Tert butyl alcohol

Concen: 1.38 ug/l

RT: 5.19 min Scan# 591

Delta R.T. 0.00 min

Lab File: VW004773.D

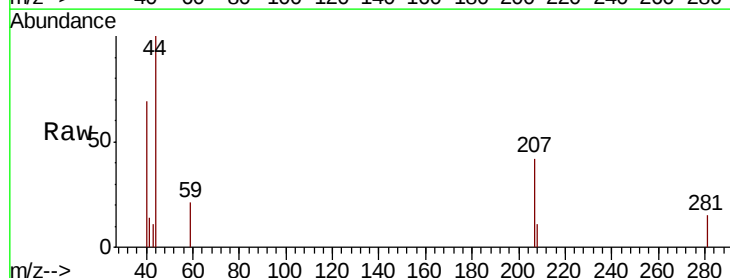
Acq: 18 Aug 2018 10:48

Tgt Ion: 59 Resp: 298

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.19

150

100

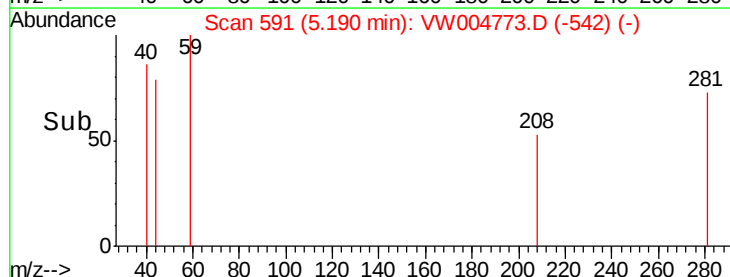
50

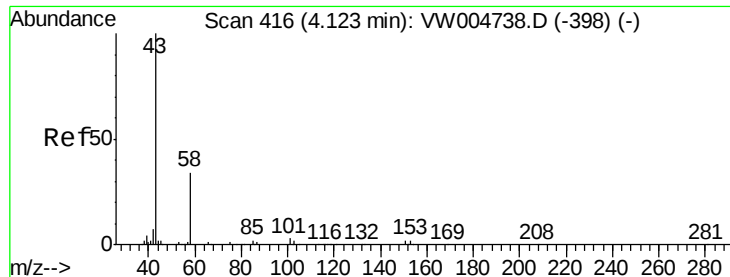
0

5.15

5.20

Time-->





#16

Acetone

Concen: 6.63 ug/l

RT: 4.13 min Scan# 417

Delta R.T. 0.01 min

Lab File: VW004773.D

Acq: 18 Aug 2018 10:48

Instrument :

MSVOA_W

ClientSampleId :

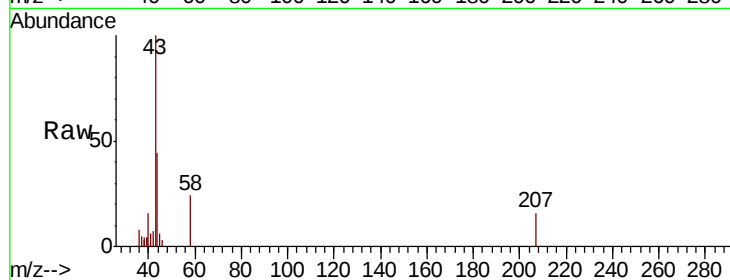
72-12003

Tot Ion: 43 Resp: 6535

Ion Ratio Lower Upper

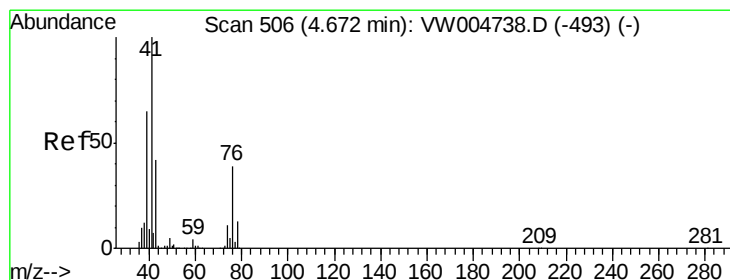
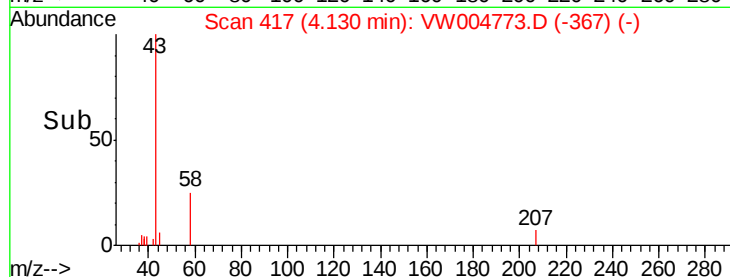
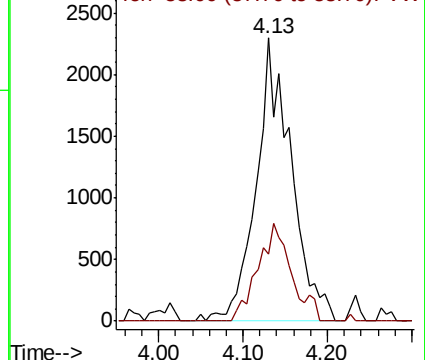
43 100

58 23.6 27.3 40.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: 1.14 ug/l

RT: 4.68 min Scan# 507

Delta R.T. 0.01 min

Lab File: VW004773.D

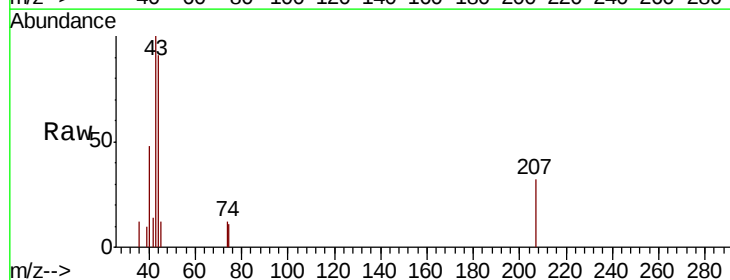
Acq: 18 Aug 2018 10:48

Tgt Ion: 43 Resp: 2412

Ion Ratio Lower Upper

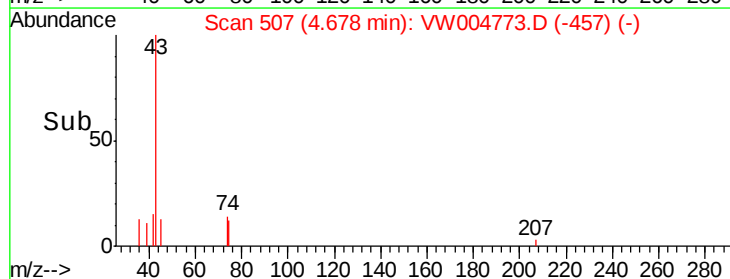
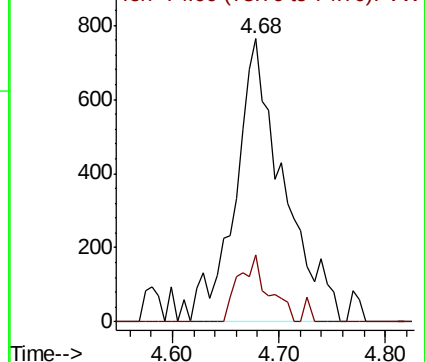
43 100

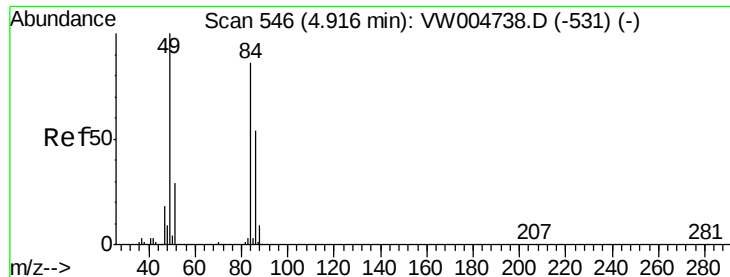
74 14.8 19.8 29.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#20

Methvlene Chloride

Concen: 1.18 ug/l

RT: 4.92 min Scan# 546

Delta R.T. 0.00 min

Lab File: VW004773.D

Acq: 18 Aug 2018 10:48

Instrument :

MSVOA_W

ClientSampled :

72-12003

Tot Ion: 84 Resp: 24278

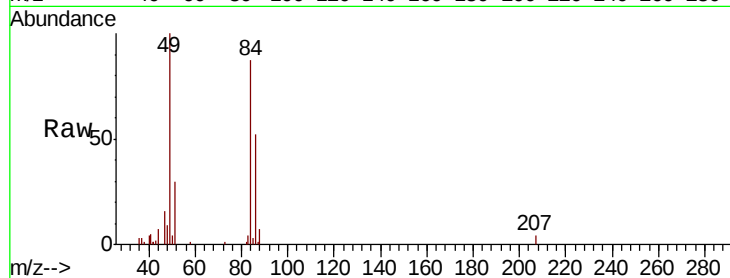
Ion Ratio Lower Upper

84 100

49 115.4 93.2 139.8

51 34.6 27.4 41.0

86 59.9 50.6 75.8



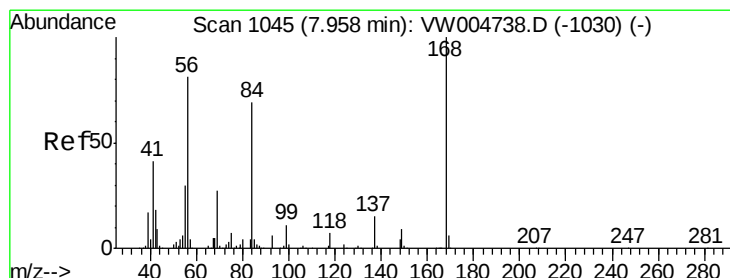
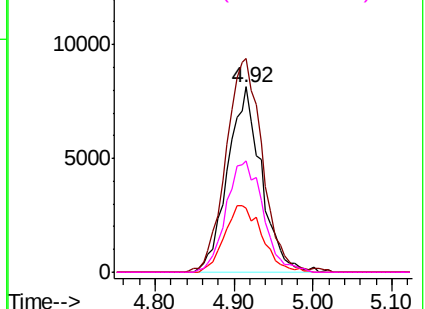
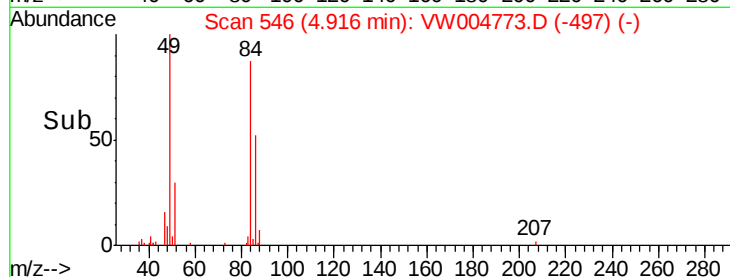
Abundance

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



#31

Cyclohexane

Concen: 1.01 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW004773.D

Acq: 18 Aug 2018 10:48

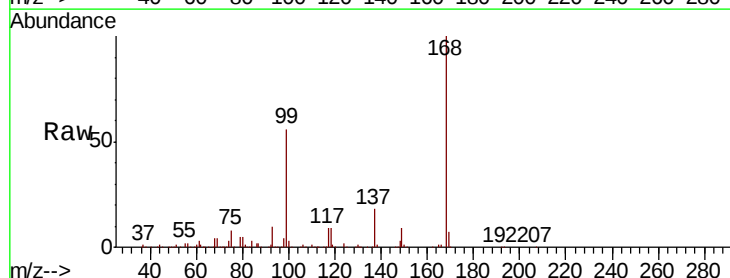
Tgt Ion: 56 Resp: 7659

Ion Ratio Lower Upper

56 100

69 192.7 27.1 40.7#

84 151.2 68.3 102.5#

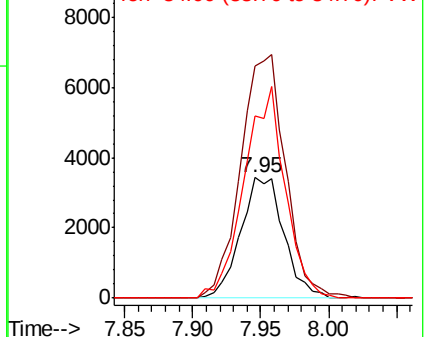
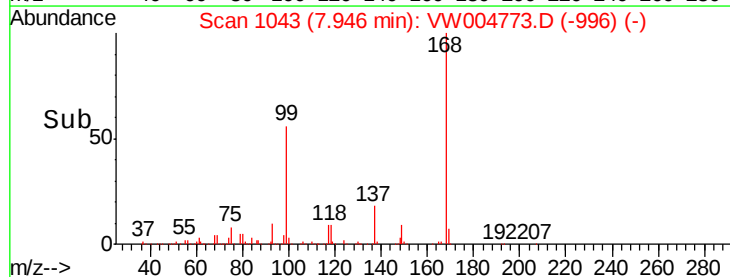


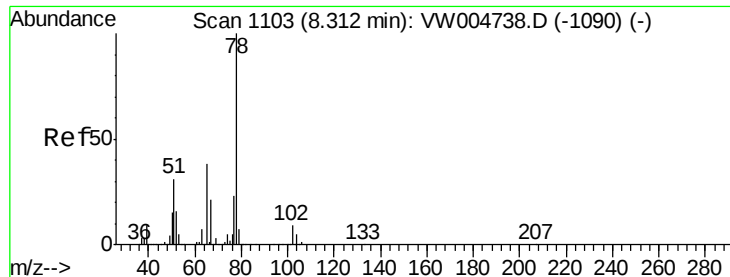
Abundance

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

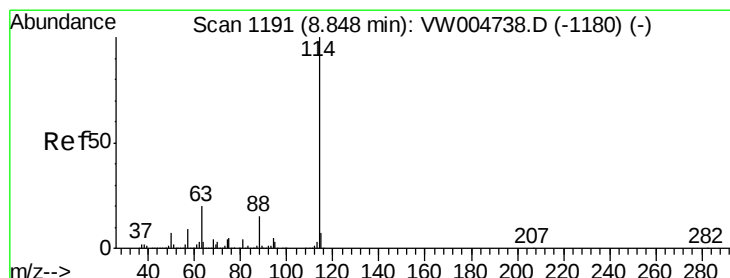
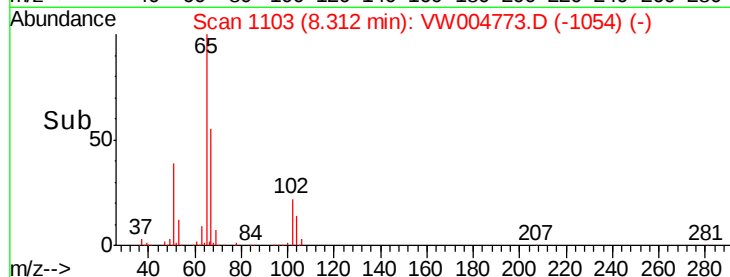
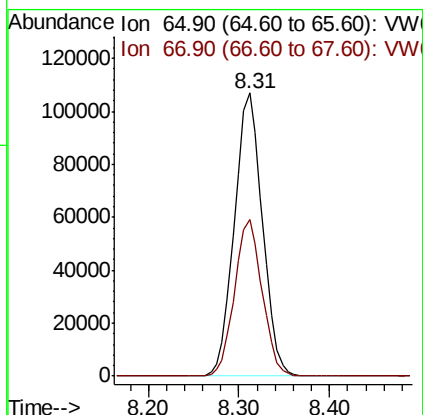
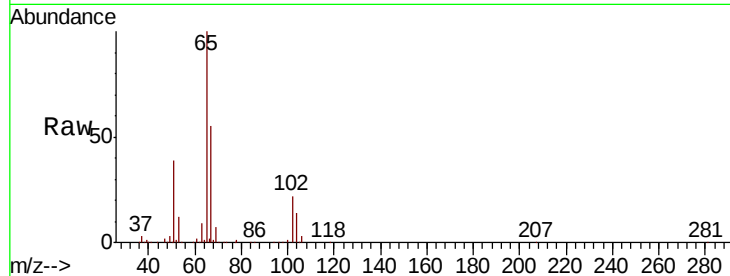




#33
 1,2-Dichloroethane-d4
 Concen: 59.41 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VW004773.D
 Acq: 18 Aug 2018 10:48

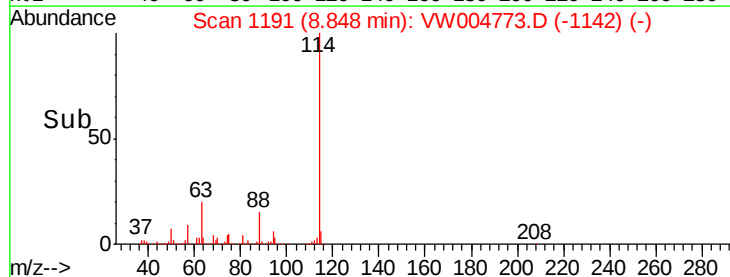
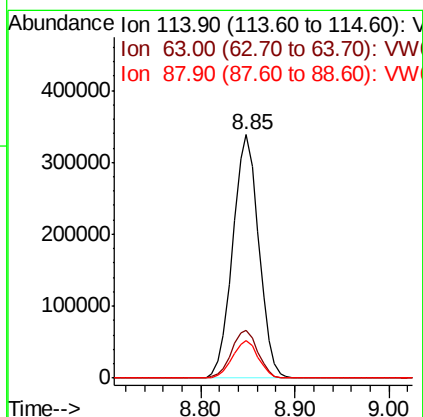
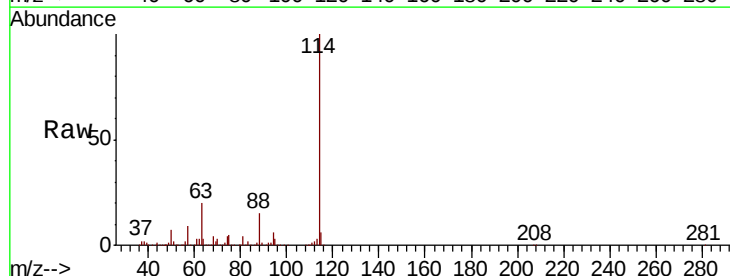
Instrument :
 MSVOA_W
 ClientSampleId :
 72-12003

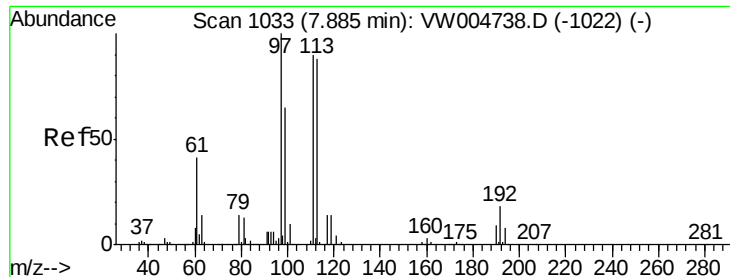
Tot Ion: 65 Resp: 229512
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004773.D
 Acq: 18 Aug 2018 10:48

Tgt Ion: 114 Resp: 650574
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.0
 88 15.5 0.0 30.0

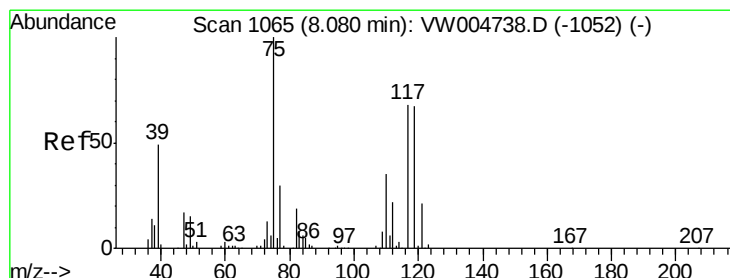
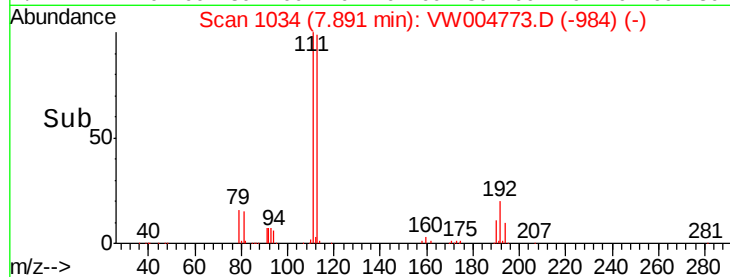
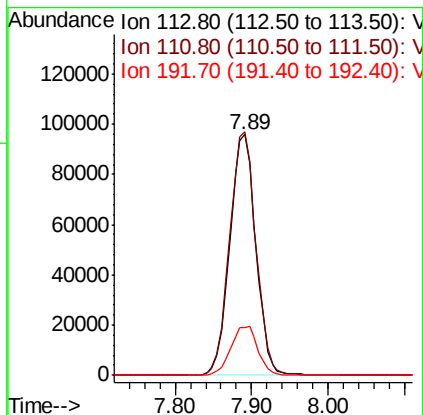
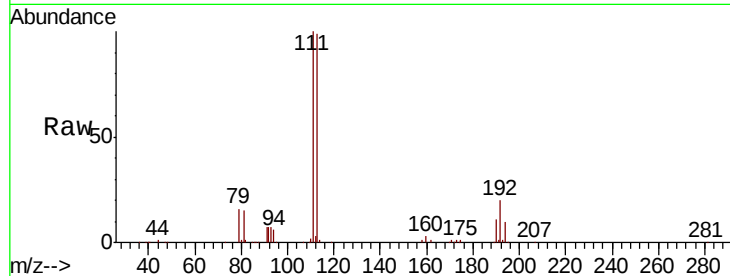




#35
 Dibromofluoromethane
 Concen: 54.00 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW004773.D
 Acq: 18 Aug 2018 10:48

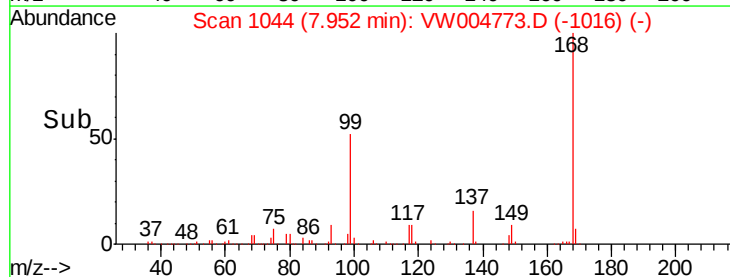
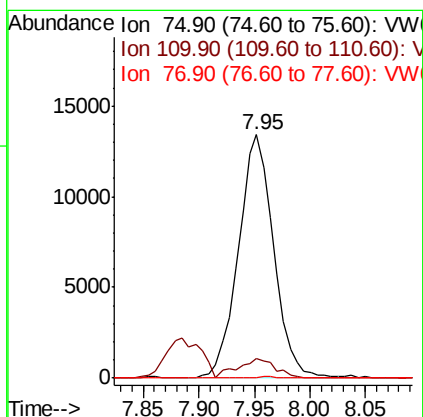
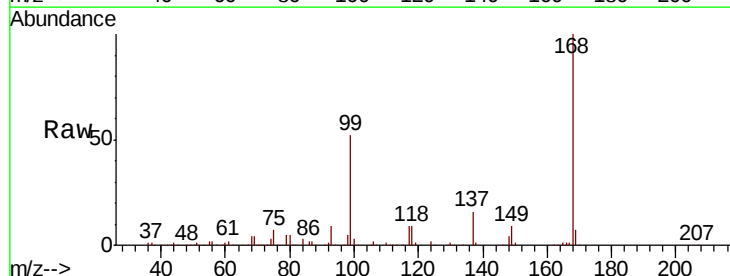
Instrument :
 MSVOA_W
 ClientSampleId :
 72-12003

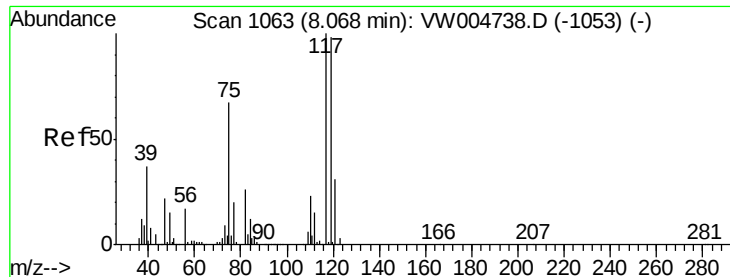
Tot Ion:113 Resp: 224548
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.4 123.6
 192 21.1 16.7 25.1



#36
 1,1-Dichloropropene
 Concen: 4.40 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW004773.D
 Acq: 18 Aug 2018 10:48

Tgt Ion: 75 Resp: 29479
 Ion Ratio Lower Upper
 75 100
 110 8.6 17.8 53.5#
 77 0.3 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 6.05 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004773.D

Acq: 18 Aug 2018 10:48

Instrument :

MSVOA_W

ClientSampleId :

72-12003

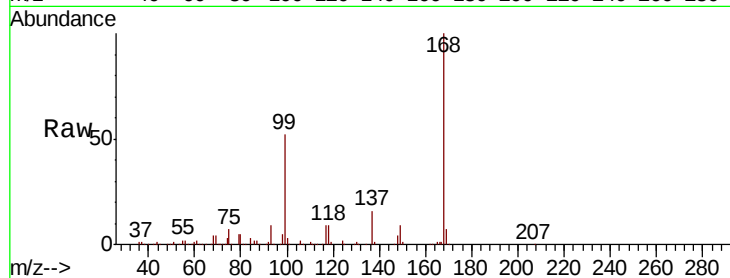
Tot Ion:117 Resp: 37321

Ion Ratio Lower Upper

117 100

119 5.5 78.0 117.0#

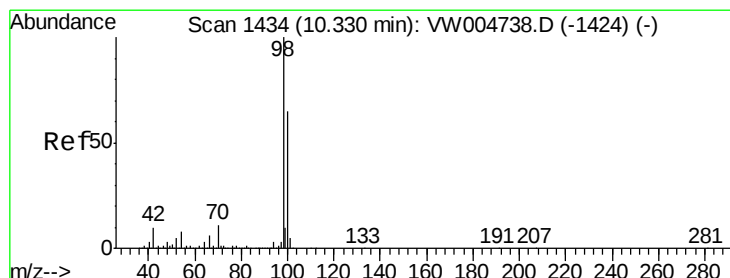
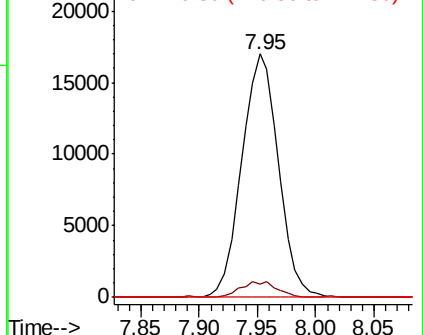
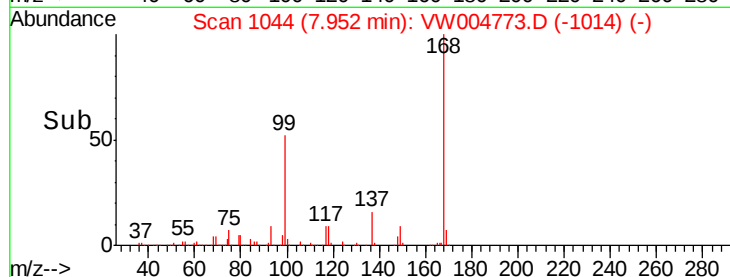
121 0.0 24.8 37.2#



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: 36.28 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004773.D

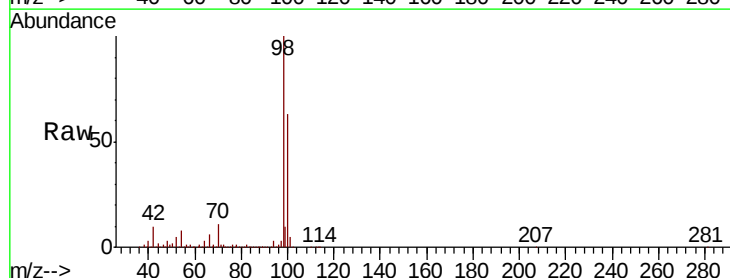
Acq: 18 Aug 2018 10:48

Tgt Ion: 98 Resp: 588807

Ion Ratio Lower Upper

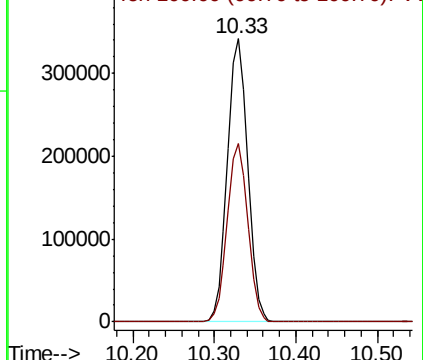
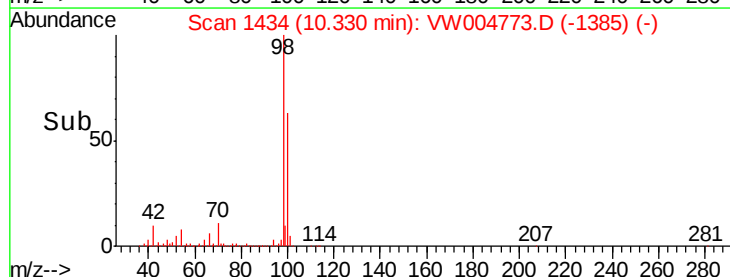
98 100

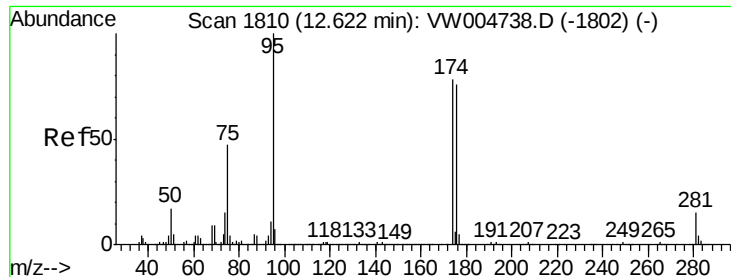
100 63.7 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

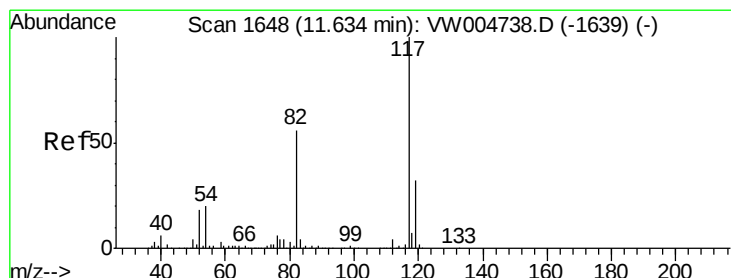
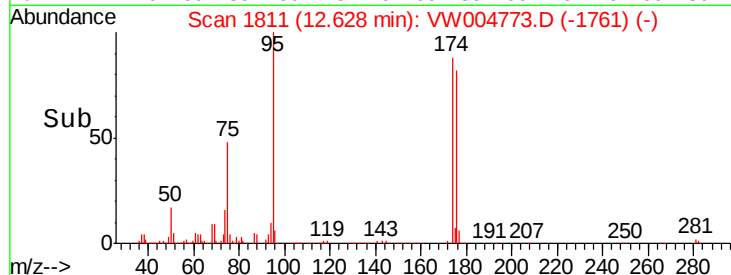
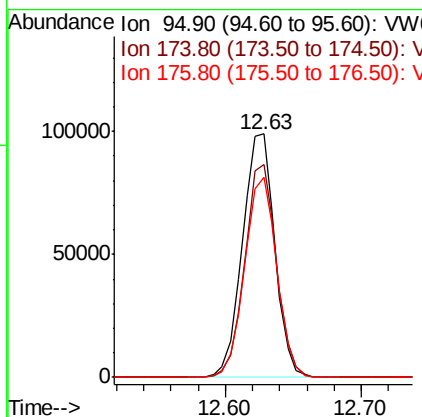
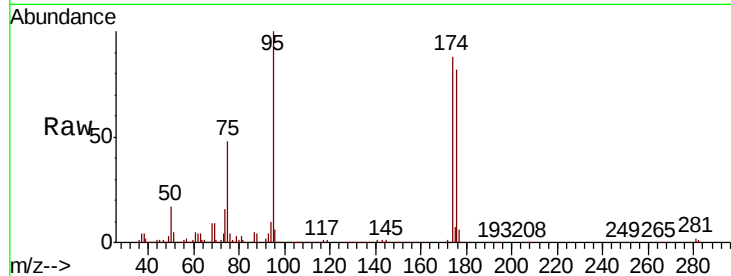




#62
4-Bromofluorobenzene
Concen: 28.14 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.01 min
Lab File: VW004773.D
Acq: 18 Aug 2018 10:48

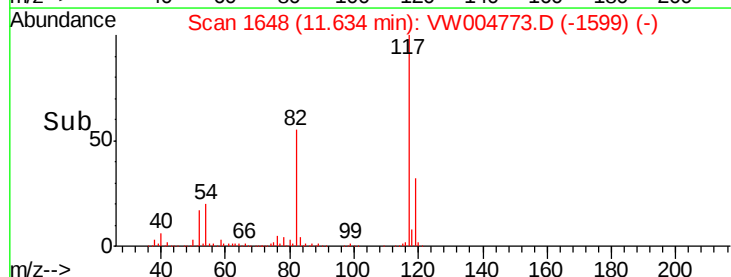
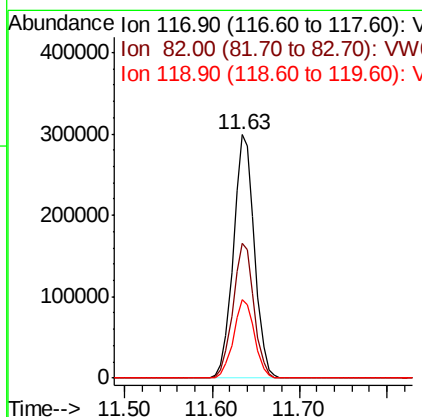
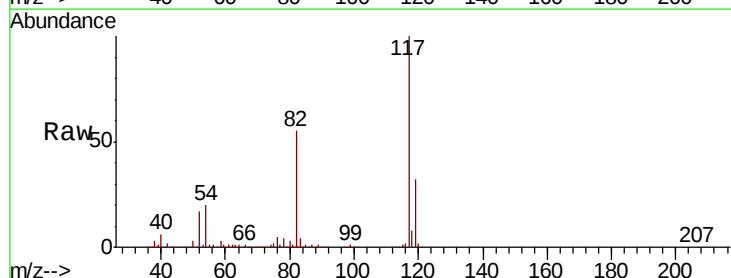
Instrument :
MSVOA_W
ClientSampled :
72-12003

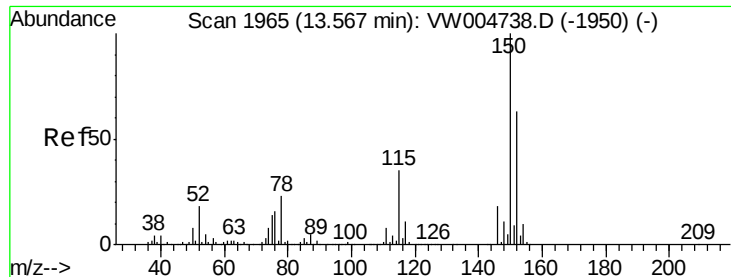
Tot Ion: 95 Resp: 164326
Ion Ratio Lower Upper
95 100
174 86.2 0.0 165.8
176 81.9 0.0 159.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004773.D
Acq: 18 Aug 2018 10:48

Tgt Ion: 117 Resp: 501468
Ion Ratio Lower Upper
117 100
82 55.3 44.6 67.0
119 32.2 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW004773.D

Acq: 18 Aug 2018 10:48

Instrument :

MSVOA_W

ClientSampleId :

72-12003

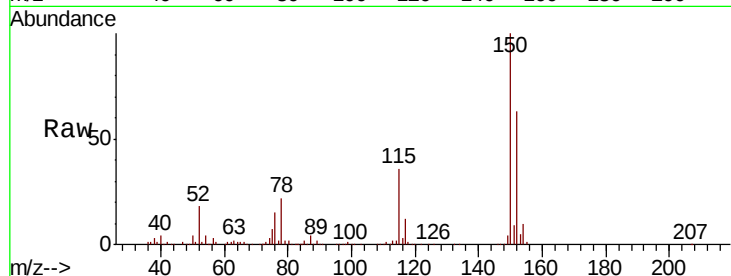
Tot Ion:152 Resp: 147951

Ion Ratio Lower Upper

152 100

115 57.4 28.5 85.5

150 159.4 0.0 344.8

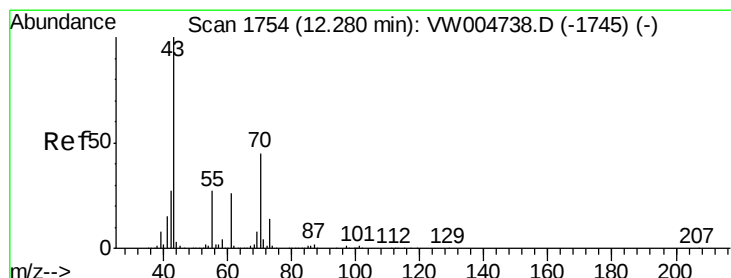
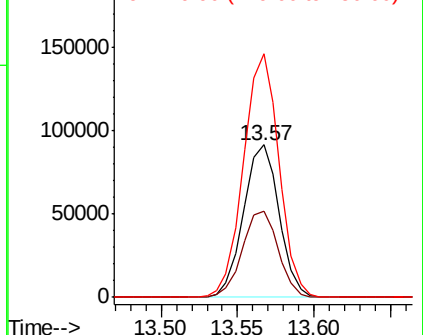
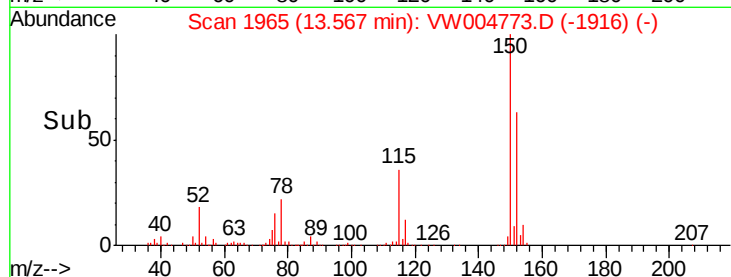


Abundance

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



#74

N-ethyl acetate

Concen: 4.05 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW004773.D

Acq: 18 Aug 2018 10:48

Tgt Ion: 43 Resp: 89

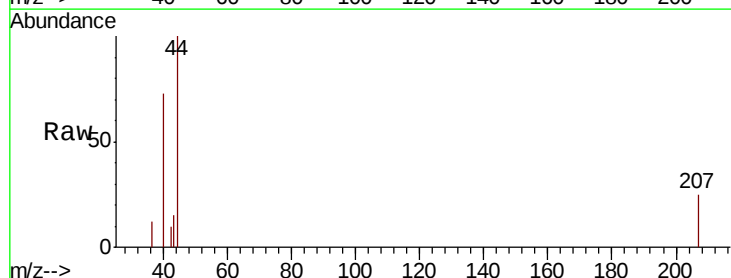
Ion Ratio Lower Upper

43 100

70 0.0 36.3 54.5#

55 0.0 22.6 33.8#

61 0.0 20.2 30.4#



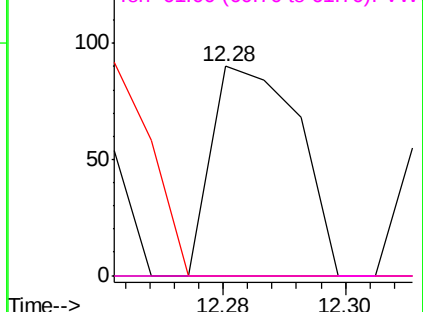
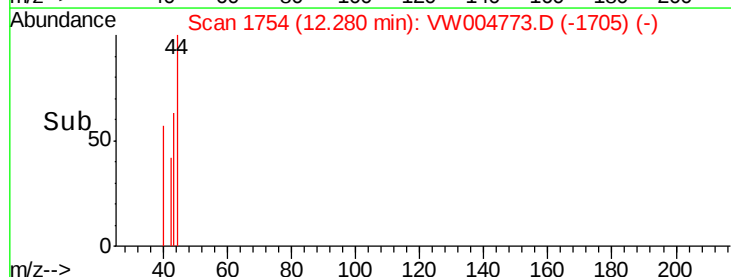
Abundance

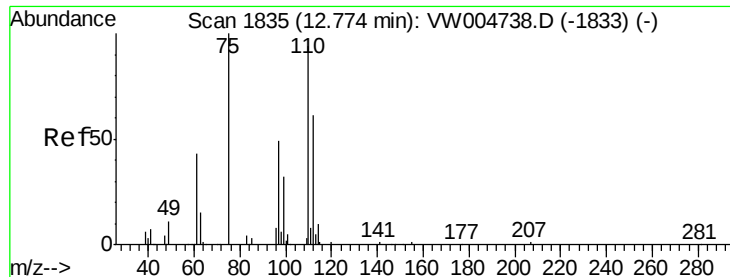
Ion 43.00 (42.70 to 43.70): VW

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: 60.51 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW004773.D

Acq: 18 Aug 2018 10:48

Instrument :

MSVOA_W

ClientSampleId :

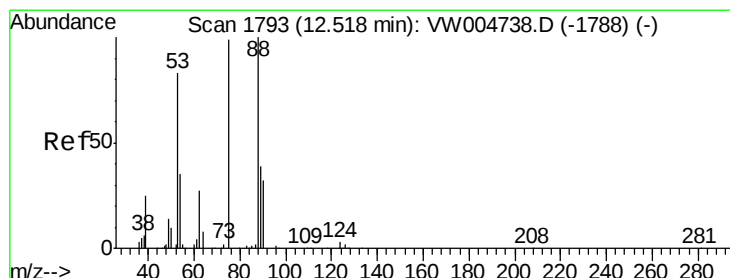
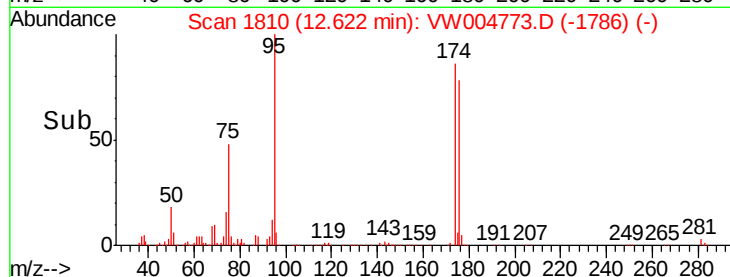
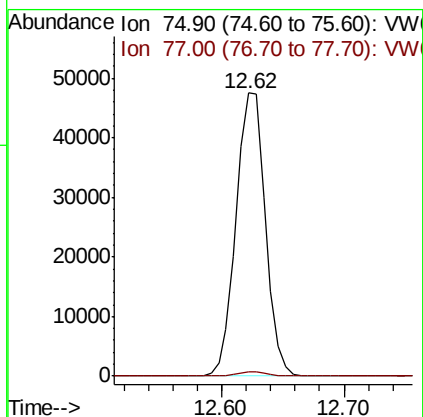
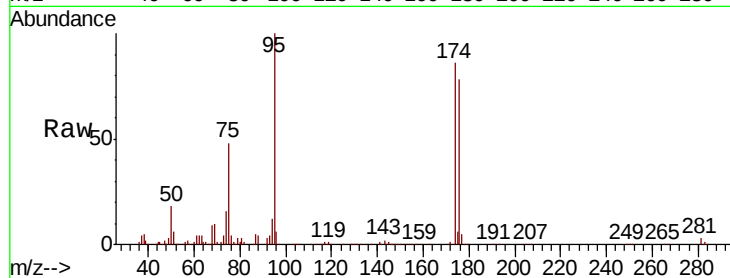
72-12003

Tot Ion: 75 Resp: 78919

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 140.64 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004773.D

Acq: 18 Aug 2018 10:48

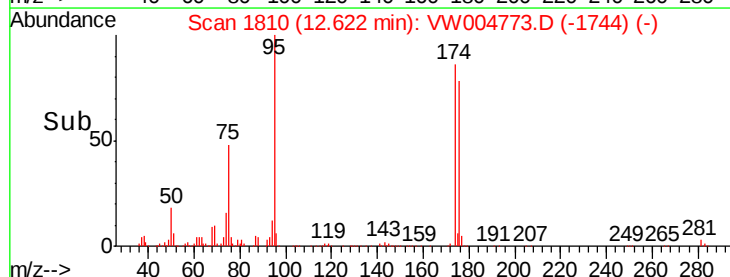
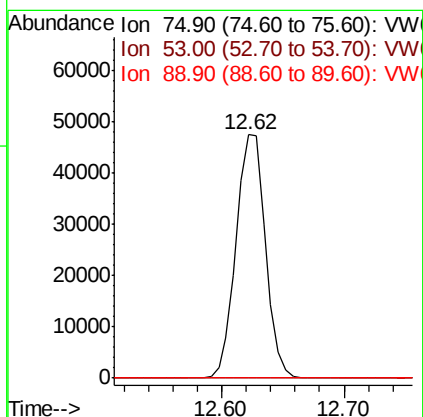
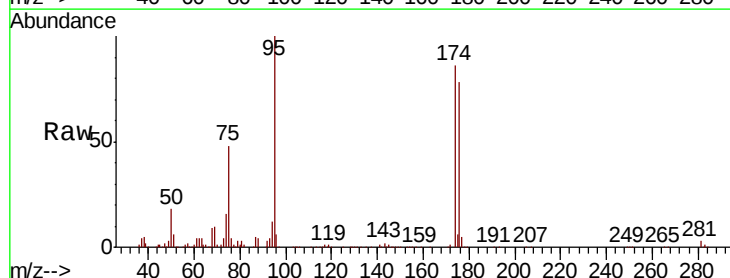
Tgt Ion: 75 Resp: 78919

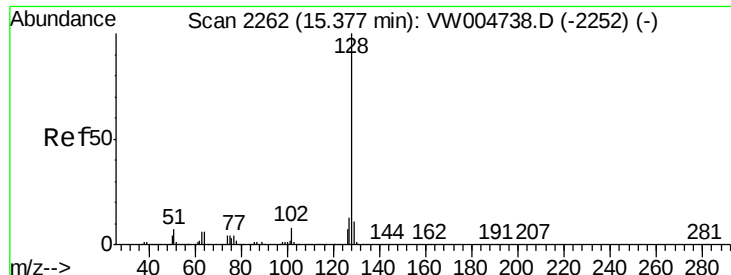
Ion Ratio Lower Upper

75 100

53 0.2 72.2 108.4#

89 0.0 35.2 52.8#





#95

Naphthalene

Concen: 3.58 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004773.D

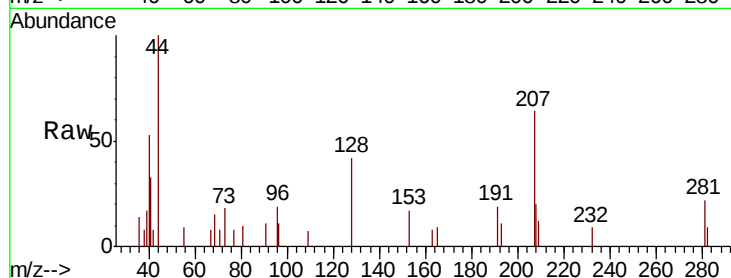
Acq: 18 Aug 2018 10:48

Instrument :

MSVOA_W

ClientSampleId :

72-12003



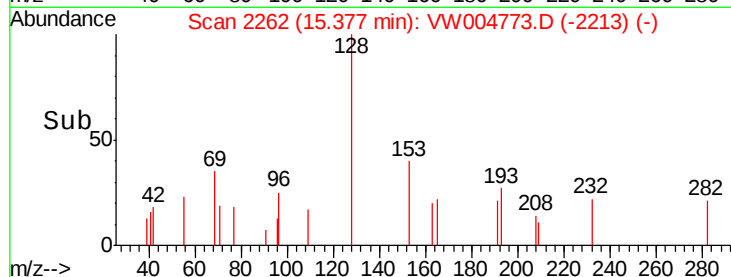
Tot Ion:128 Resp: 499

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.6 13.0#



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

