

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW010319\
 Data File : VW008029.D
 Acq On : 03 Jan 2019 18:58
 Operator : SY/AP
 Sample : K1002-07
 Misc : 7.21G/5ML/MSVOA_W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 AU-05-010219-D

Quant Time: Jan 04 00:33:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 03 05:03:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	62932	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	109142	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	84808	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	34833	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	40714	58.49	ug/l	0.00
Spiked Amount			Recovery	=	116.98%	
35) Dibromofluoromethane	7.88	113	34241	49.77	ug/l	0.00
Spiked Amount			Recovery	=	99.54%	
50) Toluene-d8	10.32	98	125825	48.75	ug/l	0.00
Spiked Amount			Recovery	=	97.50%	
62) 4-Bromofluorobenzene	12.62	95	39889	40.30	ug/l	0.00
Spiked Amount			Recovery	=	80.60%	

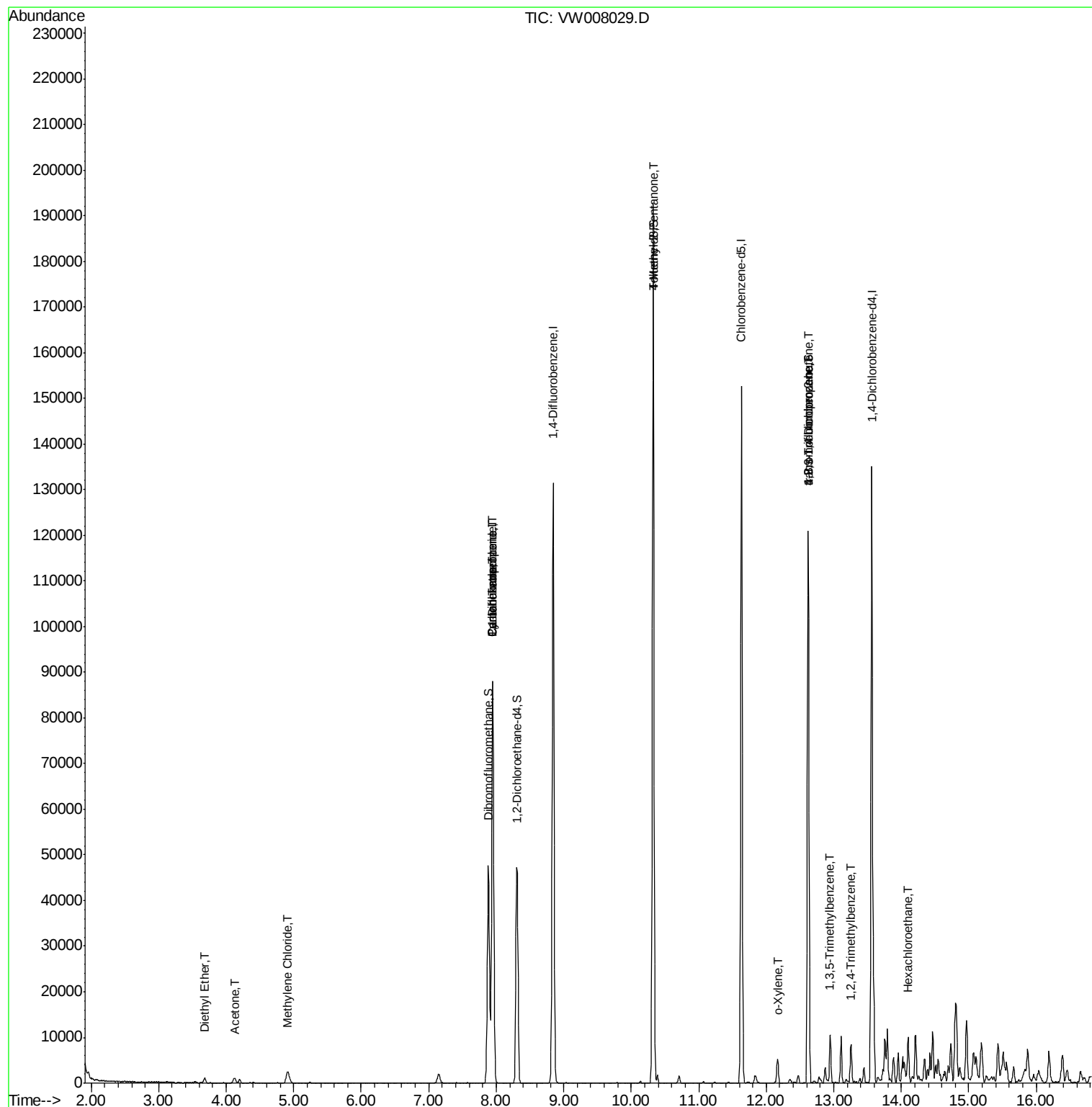
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.69	74	599	2.100	ug/l	100
16) Acetone	4.13	43	2304	21.383	ug/l #	84
20) Methylene Chloride	4.90	84	2319	1.169	ug/l #	85
31) Cyclohexane	7.95	56	1354	1.273	ug/l #	15
36) 1,1-Dichloropropene	7.95	75	4964	4.611	ug/l #	51
38) Carbon Tetrachloride	7.95	117	7315	5.669	ug/l #	15
51) 4-Methyl-2-Pentanone	10.33	43	623	2.083	ug/l #	1
69) o-Xylene	12.17	106	1550	1.339	ug/l	92
76) 1,2,3-Trichloropropane	12.62	75	21446	77.391	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.95	105	5609	2.353	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.62	75	21446	183.017	ug/l #	6
84) 1,2,4-Trimethylbenzene	13.26	105	4728	1.958	ug/l	93
90) Hexachloroethane	14.11	117	582	1.296	ug/l #	12

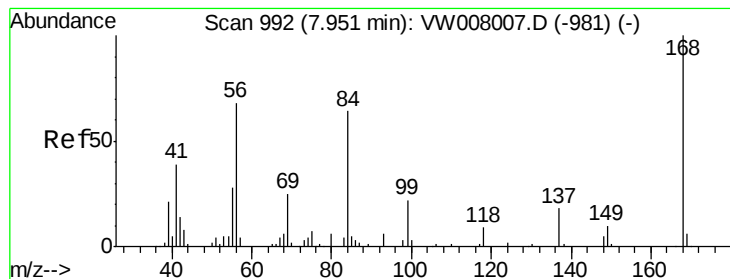
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008029.D

Acq: 03 Jan 2019 18:58

Instrument :

MSVOA_W

ClientSampleId :

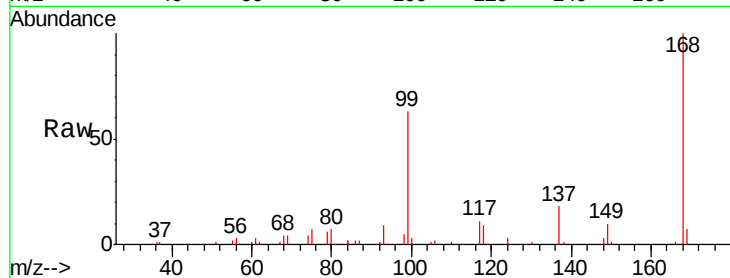
AU-05-010219-D

Tgt Ion: 168 Resp: 62932

Ion Ratio Lower Upper

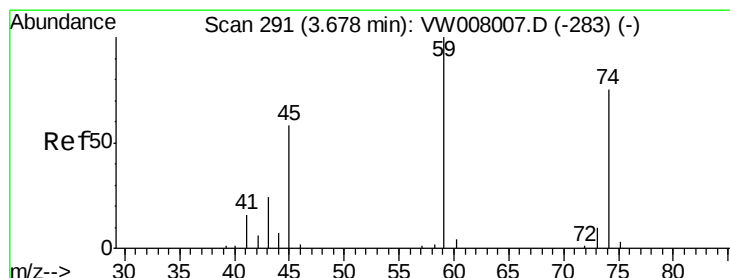
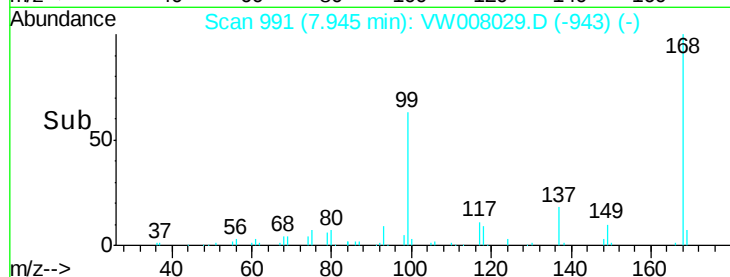
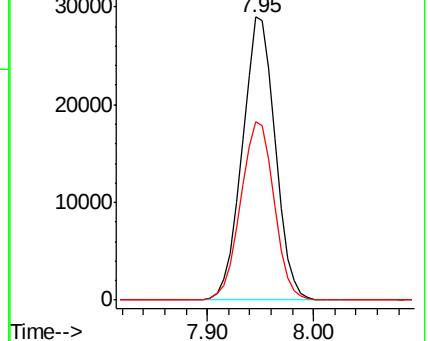
168 100

99 63.2 51.6 77.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 2.100 ug/l

RT: 3.69 min Scan# 293

Delta R.T. 0.01 min

Lab File: VW008029.D

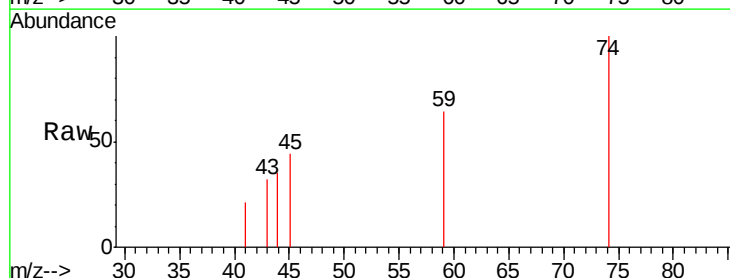
Acq: 03 Jan 2019 18:58

Tgt Ion: 74 Resp: 599

Ion Ratio Lower Upper

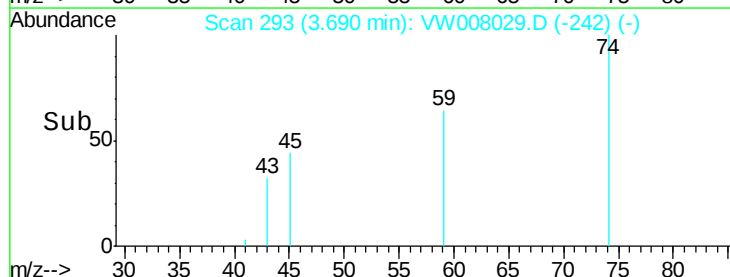
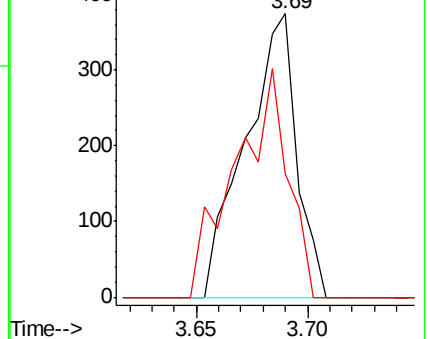
74 100

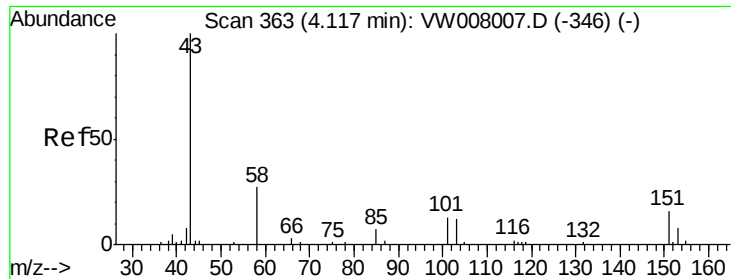
45 82.5 41.4 124.2



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#16

Acetone

Concen: 21.383 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW008029.D

Acq: 03 Jan 2019 18:58

Instrument :

MSVOA_W

ClientSampleId :

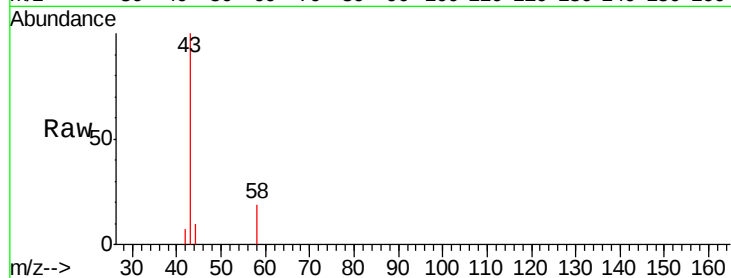
AU-05-010219-D

Tgt Ion: 43 Resp: 2304

Ion Ratio Lower Upper

43 100

58 18.7 21.7 32.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

800

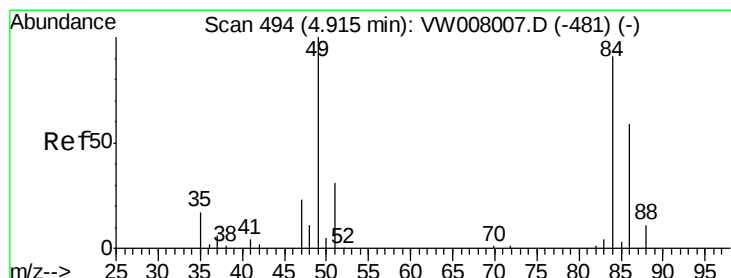
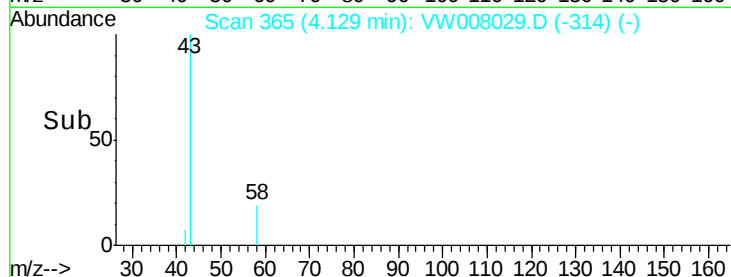
600

400

200

0

Time-->



#20

Methylene Chloride

Concen: 1.169 ug/l

RT: 4.90 min Scan# 492

Delta R.T. -0.01 min

Lab File: VW008029.D

Acq: 03 Jan 2019 18:58

Tgt Ion: 84 Resp: 2319

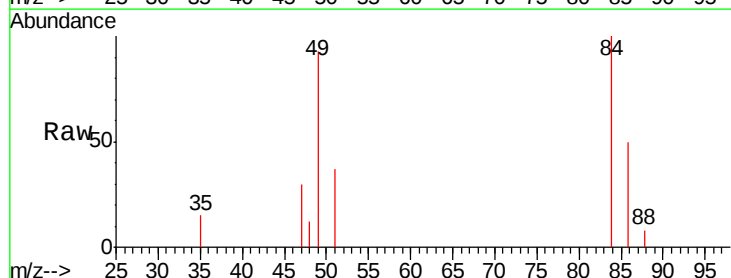
Ion Ratio Lower Upper

84 100

49 92.6 87.7 131.5

51 36.6 27.3 40.9

86 50.1 51.4 77.0#



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

1200

1000

800

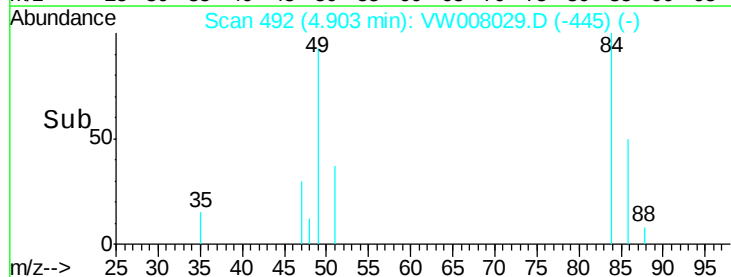
600

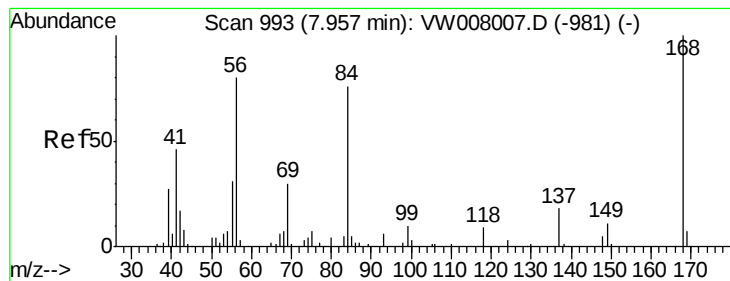
400

200

0

Time-->





#31

Cyclohexane

Concen: 1.273 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008029.D

Acq: 03 Jan 2019 18:58

Instrument :

MSVOA_W

ClientSampleId :

AU-05-010219-D

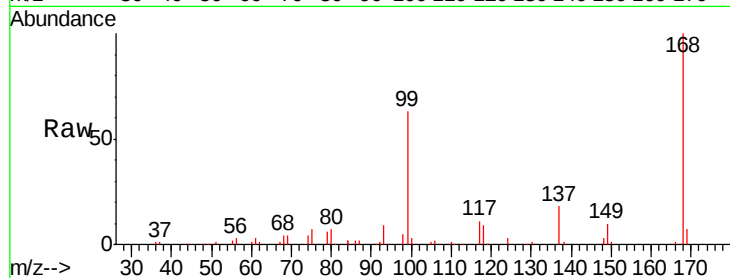
Tgt Ion: 56 Resp: 1354

Ion Ratio Lower Upper

56 100

69 144.1 29.8 44.6#

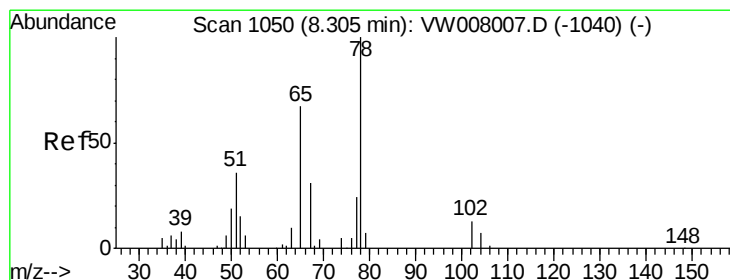
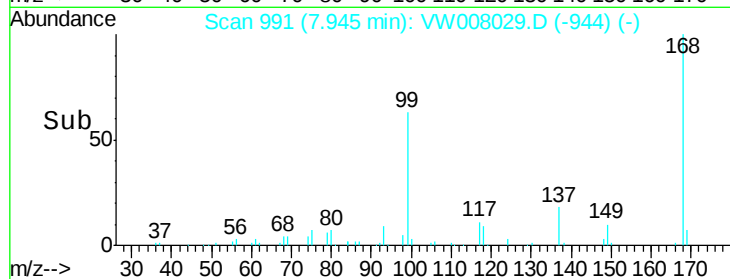
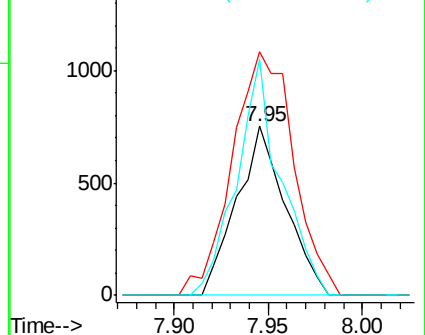
84 139.6 75.2 112.8#



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: 58.492 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008029.D

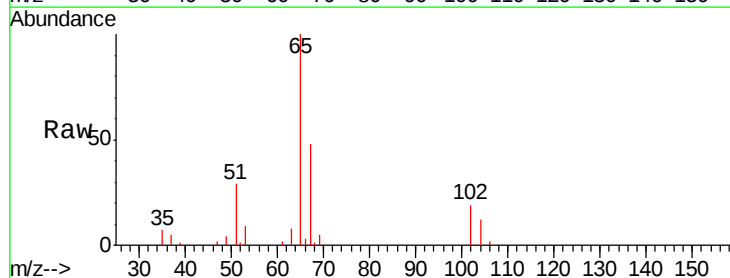
Acq: 03 Jan 2019 18:58

Tgt Ion: 65 Resp: 40714

Ion Ratio Lower Upper

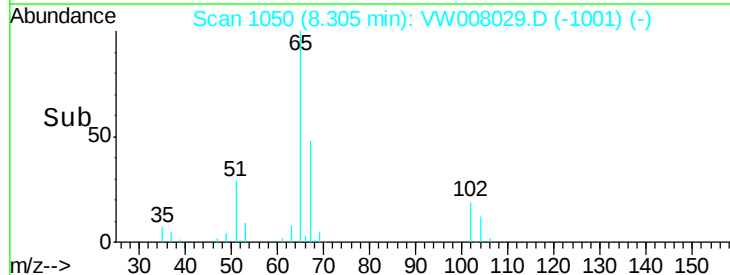
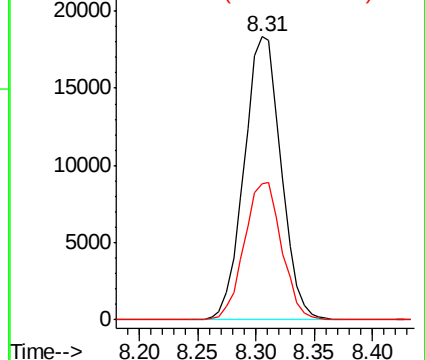
65 100

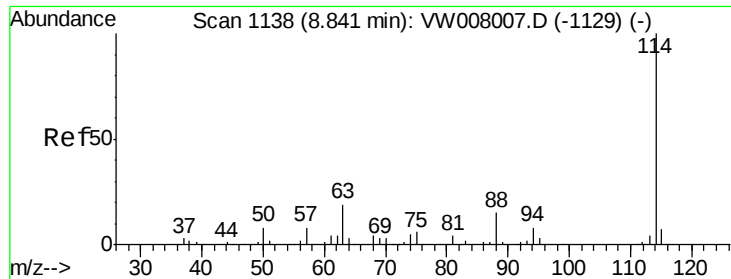
67 49.0 0.0 94.8



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

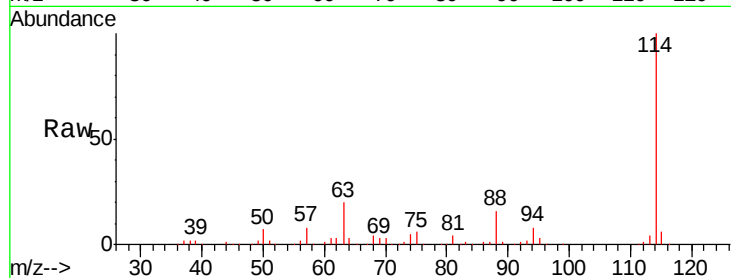




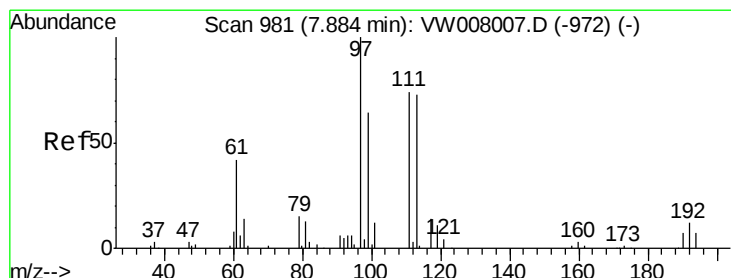
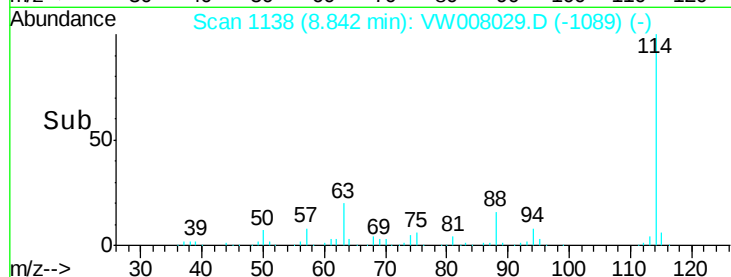
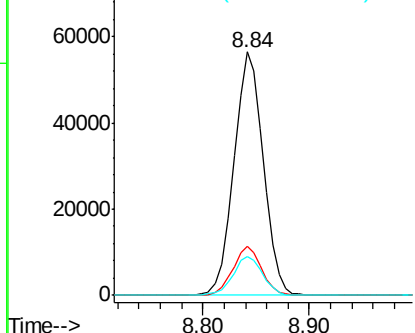
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW008029.D
Acq: 03 Jan 2019 18:58

Instrument :
MSVOA_W
ClientSampleId :
AU-05-010219-D

Tgt Ion:114 Resp: 109142
Ion Ratio Lower Upper
114 100
63 20.1 0.0 37.8
88 16.1 0.0 31.0

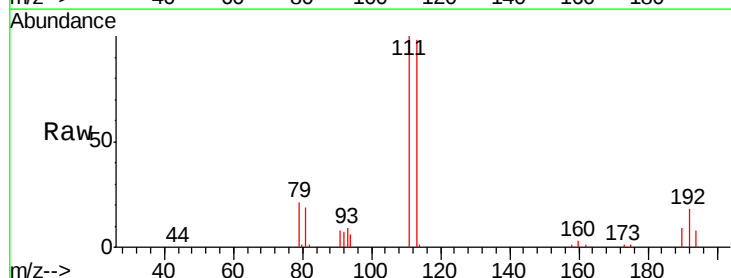


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

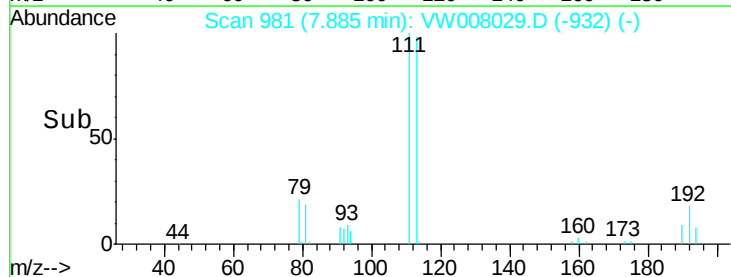
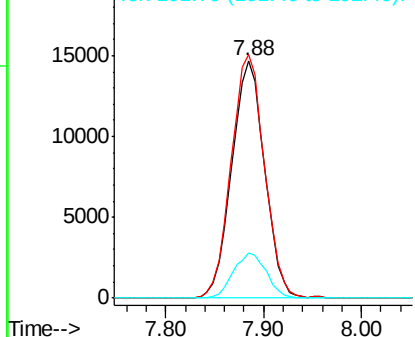


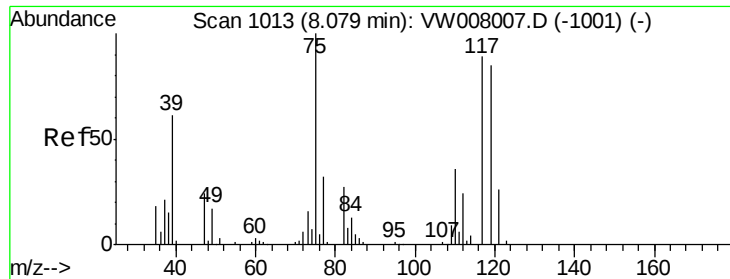
#35
Dibromofluoromethane
Concen: 49.766 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW008029.D
Acq: 03 Jan 2019 18:58

Tgt Ion:113 Resp: 34241
Ion Ratio Lower Upper
113 100
111 103.8 81.4 122.0
192 18.9 14.8 22.2



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

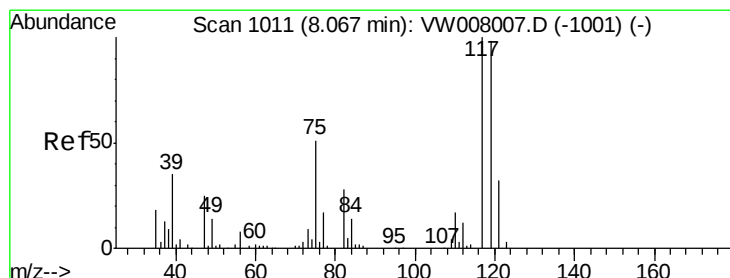
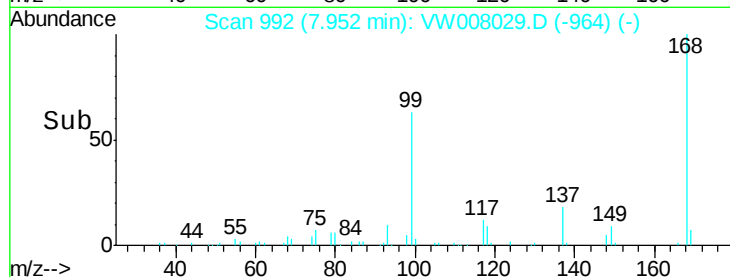
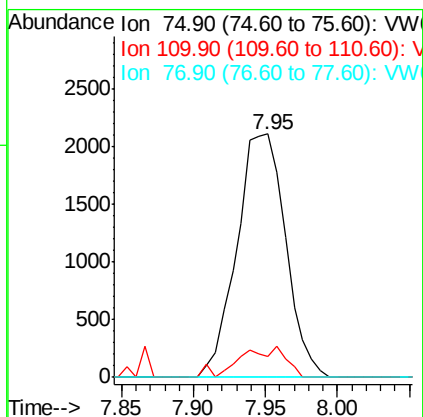
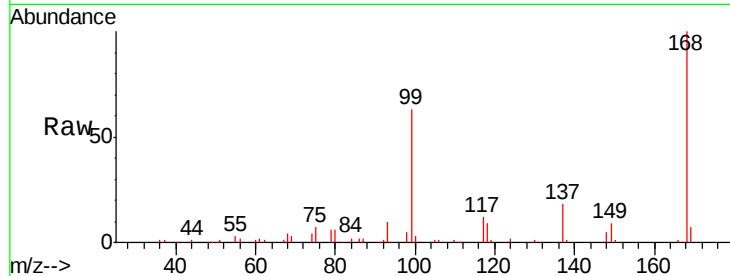




#36
 1,1-Dichloropropene
 Concen: 4.611 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW008029.D
 Acq: 03 Jan 2019 18:58

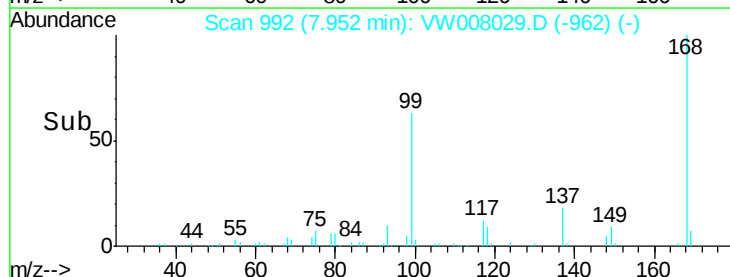
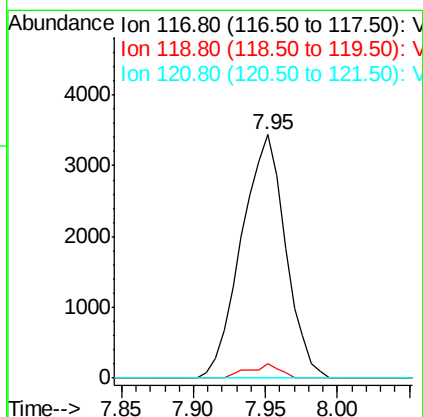
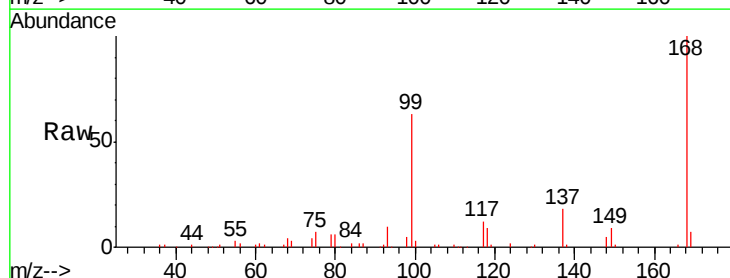
Instrument :
 MSVOA_W
 ClientSampleId :
 AU-05-010219-D

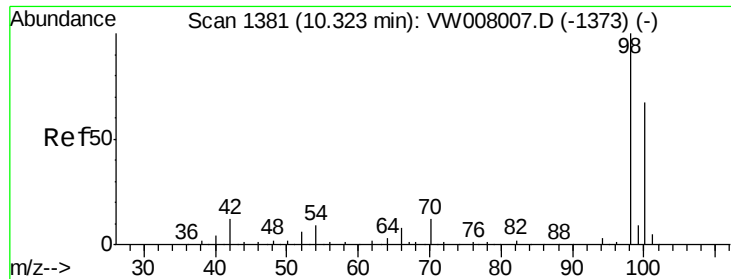
Tgt Ion: 75 Resp: 4964
 Ion Ratio Lower Upper
 75 100
 110 11.1 18.1 54.3#
 77 0.0 25.3 37.9#



#38
 Carbon Tetrachloride
 Concen: 5.669 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW008029.D
 Acq: 03 Jan 2019 18:58

Tgt Ion: 117 Resp: 7315
 Ion Ratio Lower Upper
 117 100
 119 5.7 78.7 118.1#
 121 0.0 25.8 38.8#





#50

Toluene-d8

Concen: 48.751 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008029.D

Acq: 03 Jan 2019 18:58

Instrument :

MSVOA_W

ClientSampleId :

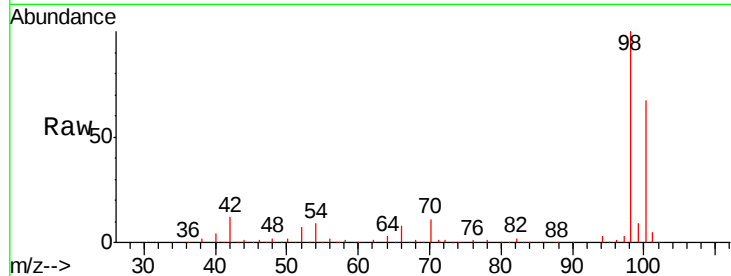
AU-05-010219-D

Tgt Ion: 98 Resp: 125825

Ion Ratio Lower Upper

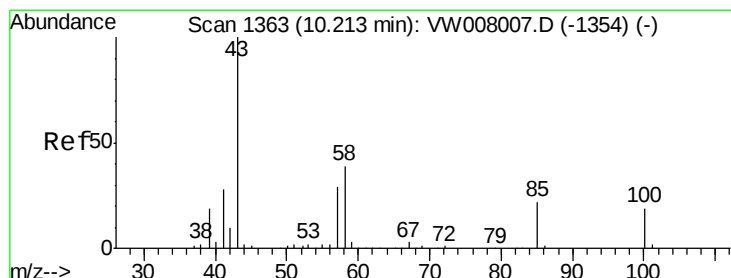
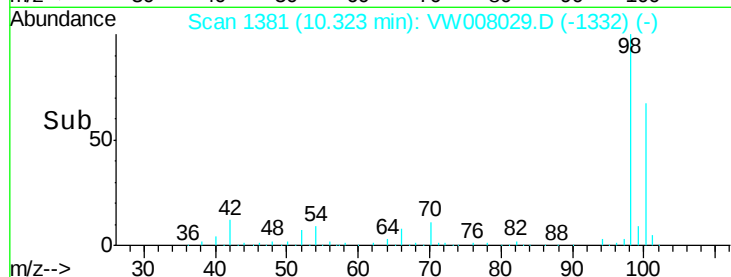
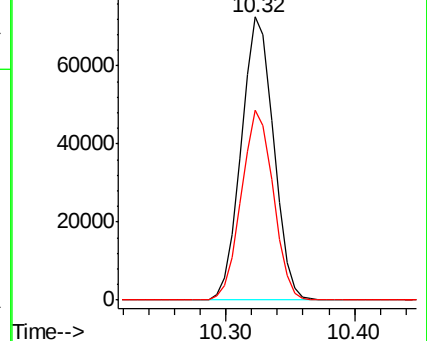
98 100

100 66.4 52.9 79.3



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: 2.083 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.12 min

Lab File: VW008029.D

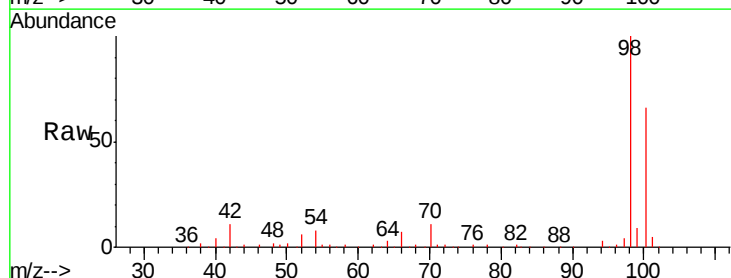
Acq: 03 Jan 2019 18:58

Tgt Ion: 43 Resp: 623

Ion Ratio Lower Upper

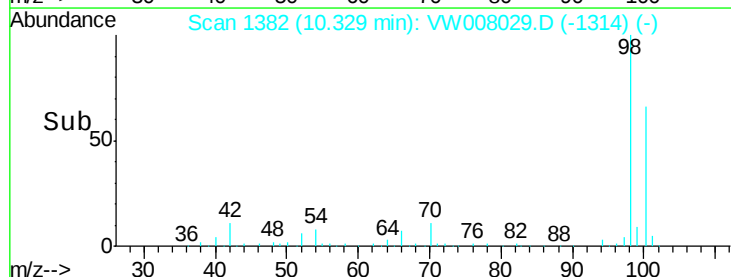
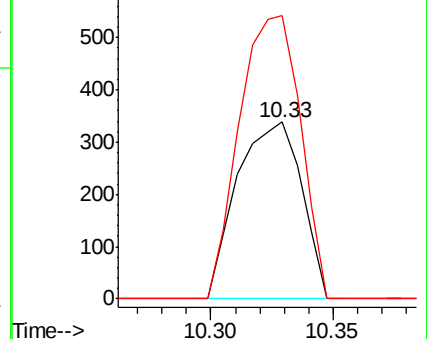
43 100

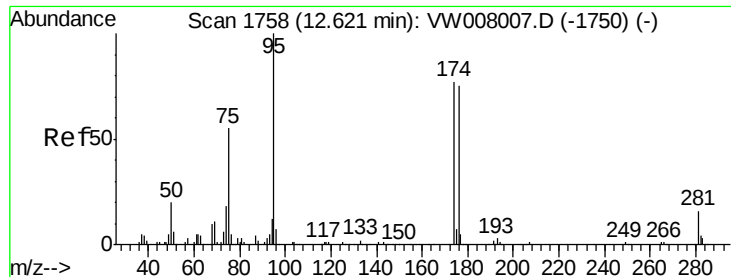
58 151.7 32.0 48.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

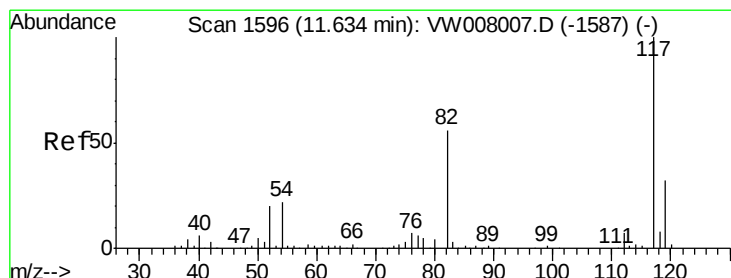
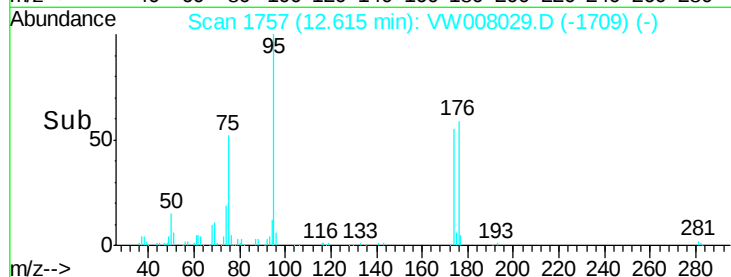
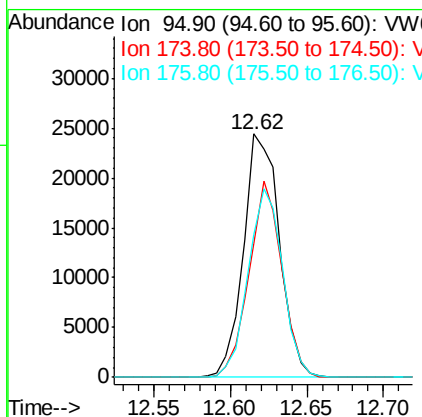
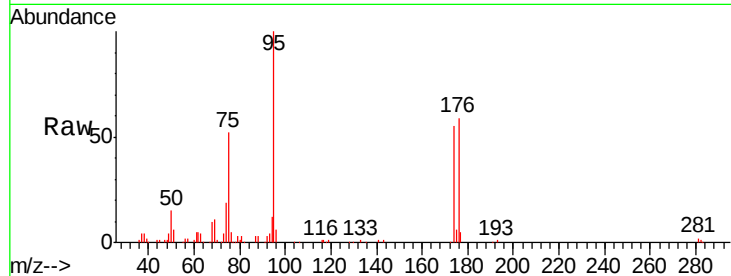




#62
4-Bromofluorobenzene
Concen: 40.299 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.01 min
Lab File: VW008029.D
Acq: 03 Jan 2019 18:58

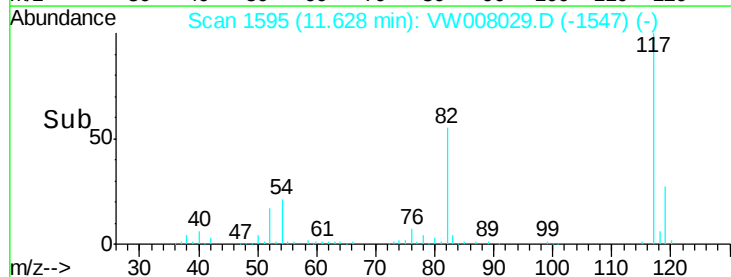
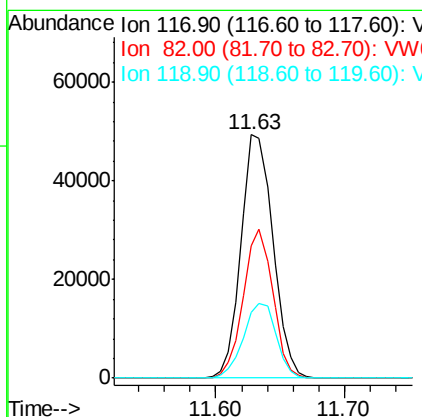
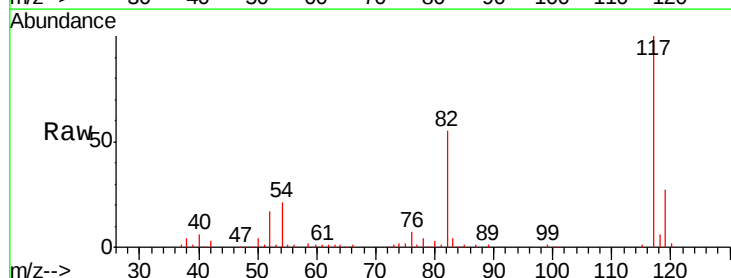
Instrument :
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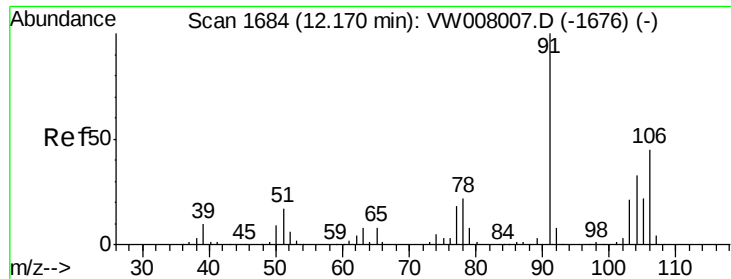
Tgt Ion: 95 Resp: 39889
Ion Ratio Lower Upper
95 100
174 73.8 0.0 149.6
176 74.4 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW008029.D
Acq: 03 Jan 2019 18:58

Tgt Ion: 117 Resp: 84808
Ion Ratio Lower Upper
117 100
82 54.5 44.8 67.2
119 26.8 25.6 38.4

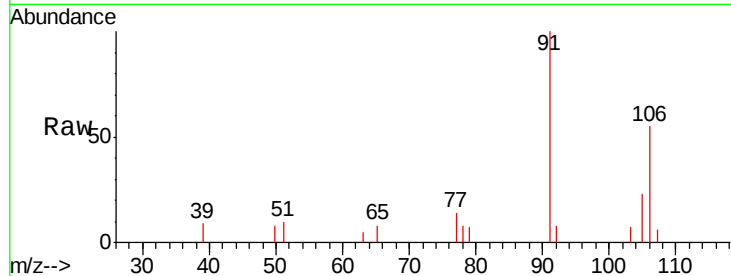




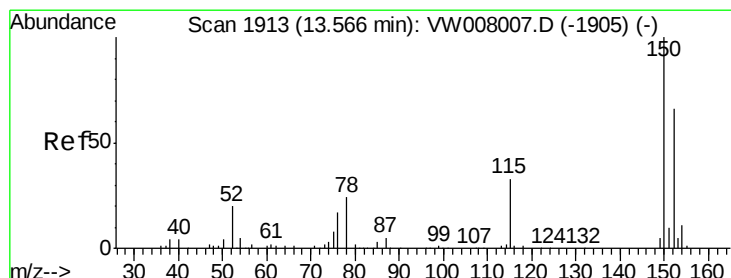
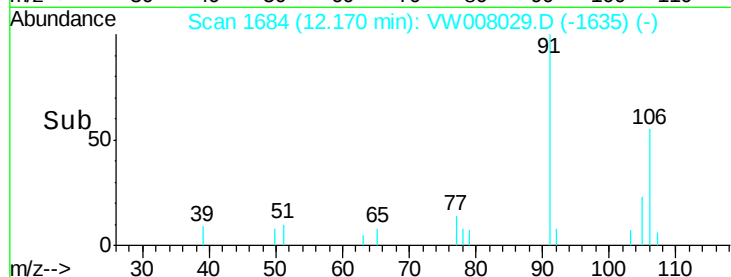
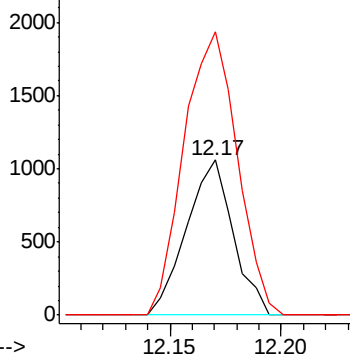
#69
o-Xylene
Concen: 1.339 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008029.D
Acq: 03 Jan 2019 18:58

Instrument :
MSVOA_W
ClientSampleId :
AU-05-010219-D

Tgt Ion:106 Resp: 1550
Ion Ratio Lower Upper
106 100
91 207.9 110.6 331.6

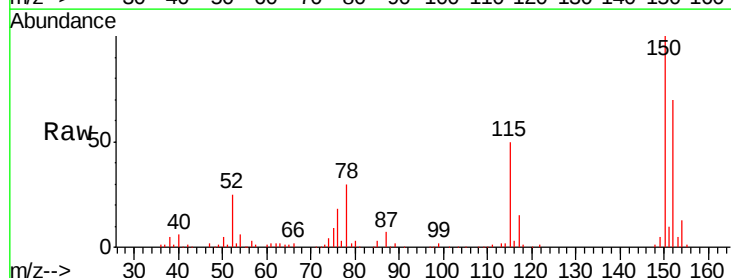


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

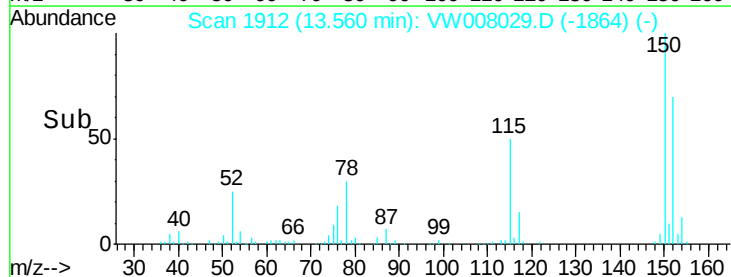
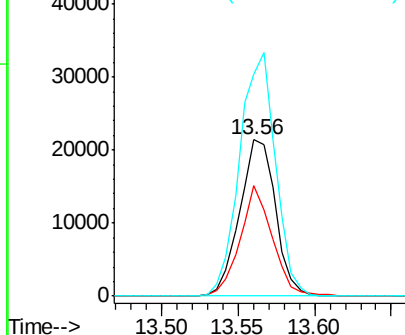


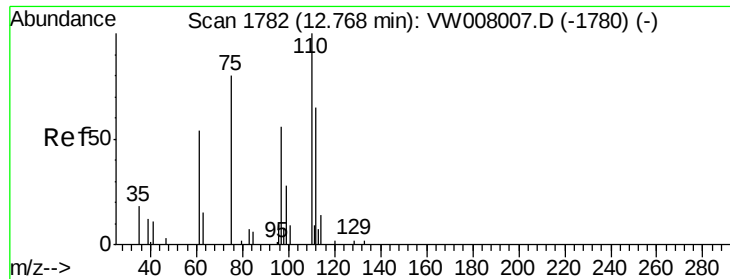
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.01 min
Lab File: VW008029.D
Acq: 03 Jan 2019 18:58

Tgt Ion:152 Resp: 34833
Ion Ratio Lower Upper
152 100
115 63.5 32.1 96.5
150 155.8 0.0 345.0



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: 77.391 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW008029.D

Acq: 03 Jan 2019 18:58

Instrument :

MSVOA_W

ClientSampleId :

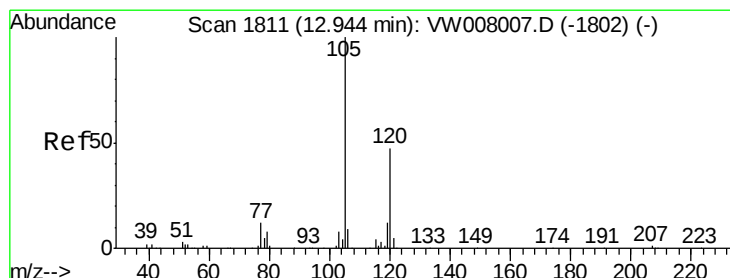
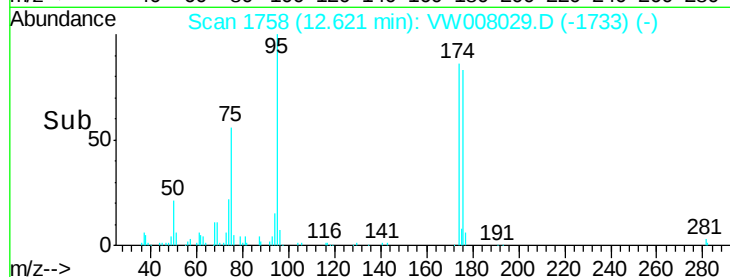
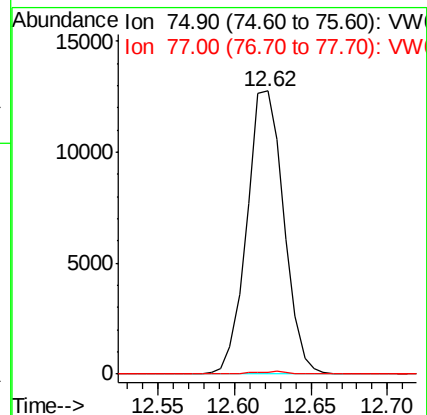
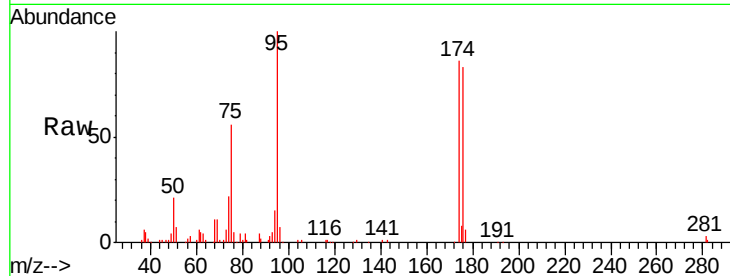
AU-05-010219-D

Tgt Ion: 75 Resp: 21446

Ion Ratio Lower Upper

75 100

77 0.9 186.2 558.6#



#80

1,3,5-Trimethylbenzene

Concen: 2.353 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.01 min

Lab File: VW008029.D

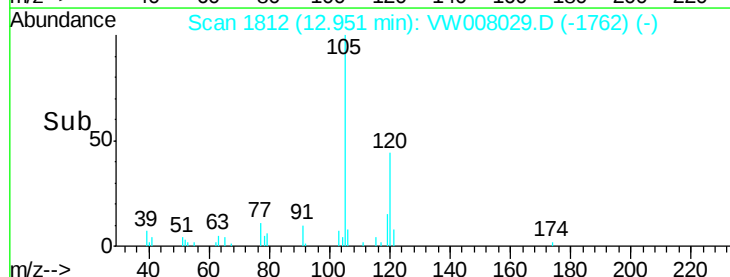
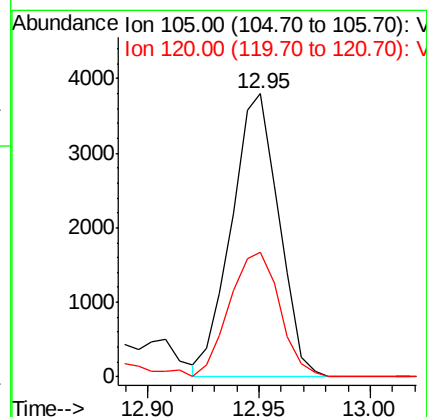
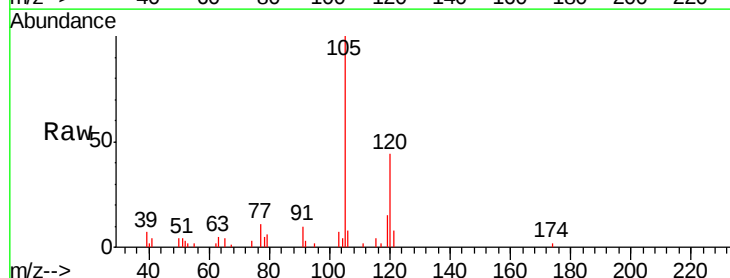
Acq: 03 Jan 2019 18:58

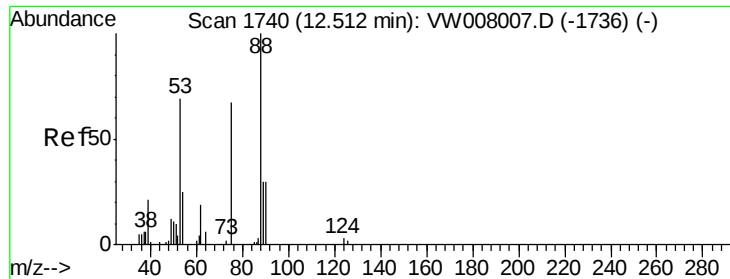
Tgt Ion: 105 Resp: 5609

Ion Ratio Lower Upper

105 100

120 46.7 23.3 69.9





#81

trans-1,4-Dichloro-2-butene

Concen: 183.017 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW008029.D

Acq: 03 Jan 2019 18:58

Instrument :

MSVOA_W

ClientSampleId :

AU-05-010219-D

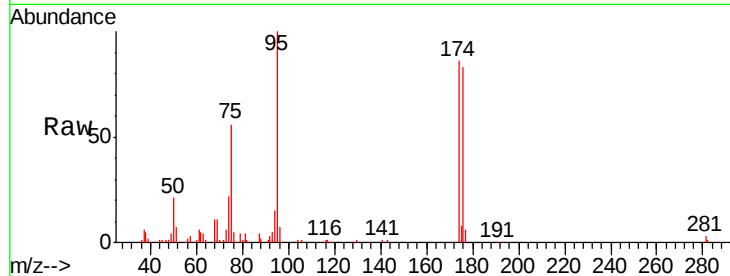
Tgt Ion: 75 Resp: 21446

Ion Ratio Lower Upper

75 100

53 0.0 87.6 131.4#

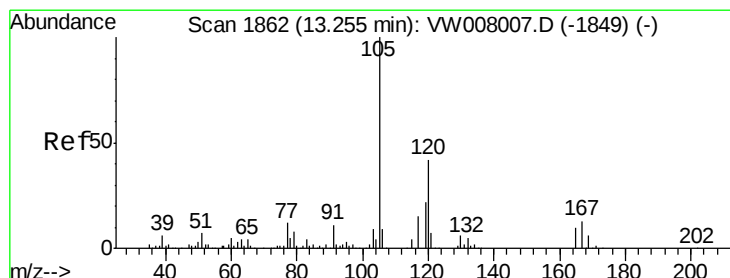
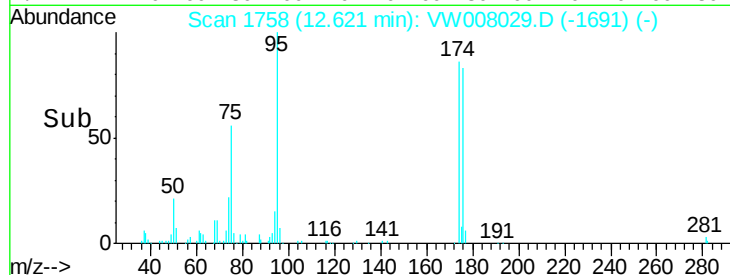
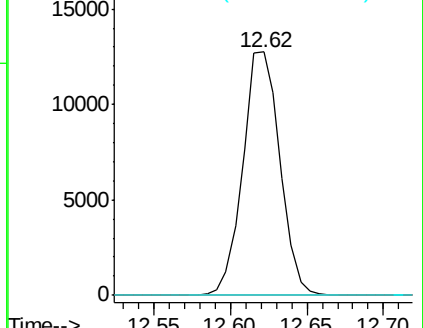
89 0.0 42.2 63.2#



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



#84

1,2,4-Trimethylbenzene

Concen: 1.958 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW008029.D

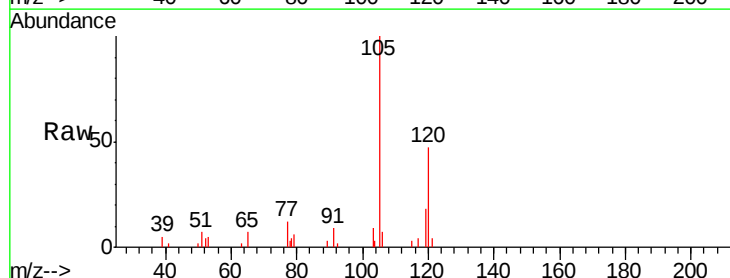
Acq: 03 Jan 2019 18:58

Tgt Ion: 105 Resp: 4728

Ion Ratio Lower Upper

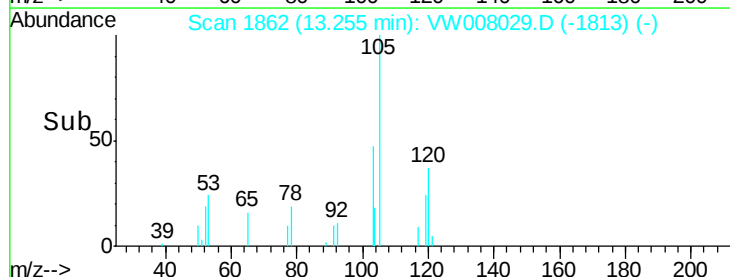
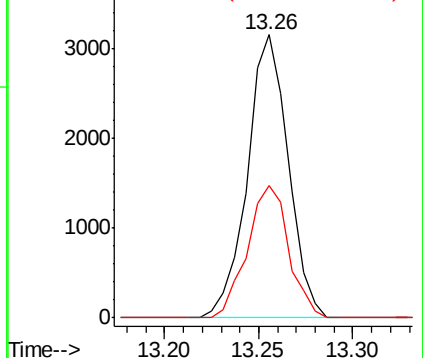
105 100

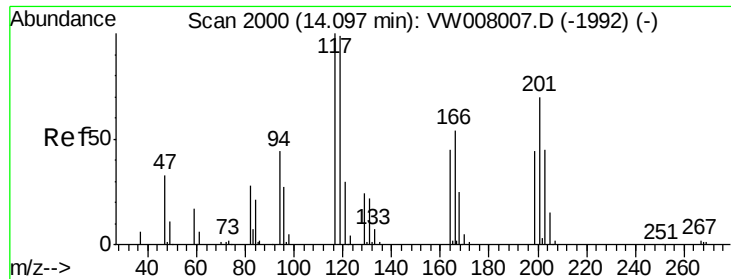
120 47.3 21.5 64.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#90

Hexachloroethane

Concen: 1.296 ug/l

RT: 14.11 min Scan# 2002

Delta R.T. 0.01 min

Lab File: VW008029.D

Acq: 03 Jan 2019 18:58

Instrument :

MSVOA_W

ClientSampleId :

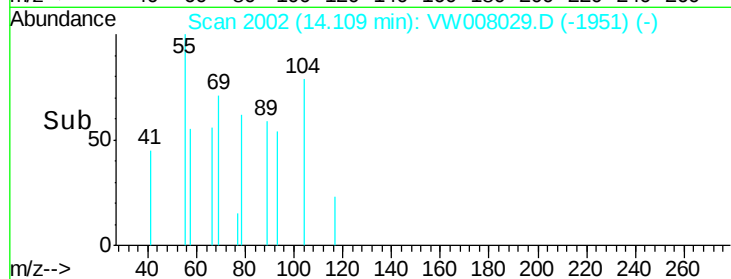
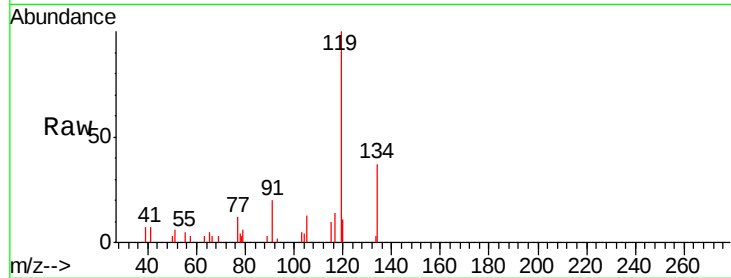
AU-05-010219-D

Tgt Ion:117 Resp: 582

Ion Ratio Lower Upper

117 100

201 0.0 37.1 111.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

