

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121918\
 Data File : VU028799.D
 Acq On : 19 Dec 2018 17:21
 Operator : MD/SY
 Sample : J6449-02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-5B_R1

Quant Time: Dec 20 03:21:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	119664	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	203484	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	180038	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	66603	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	78025	42.73	ug/l	0.00
Spiked Amount			Recovery	=	85.46%	
35) Dibromofluoromethane	4.88	113	67041	52.35	ug/l	0.00
Spiked Amount			Recovery	=	104.70%	
50) Toluene-d8	7.56	98	254247	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	
62) 4-Bromofluorobenzene	10.30	95	78123	41.26	ug/l	0.00
Spiked Amount			Recovery	=	82.52%	

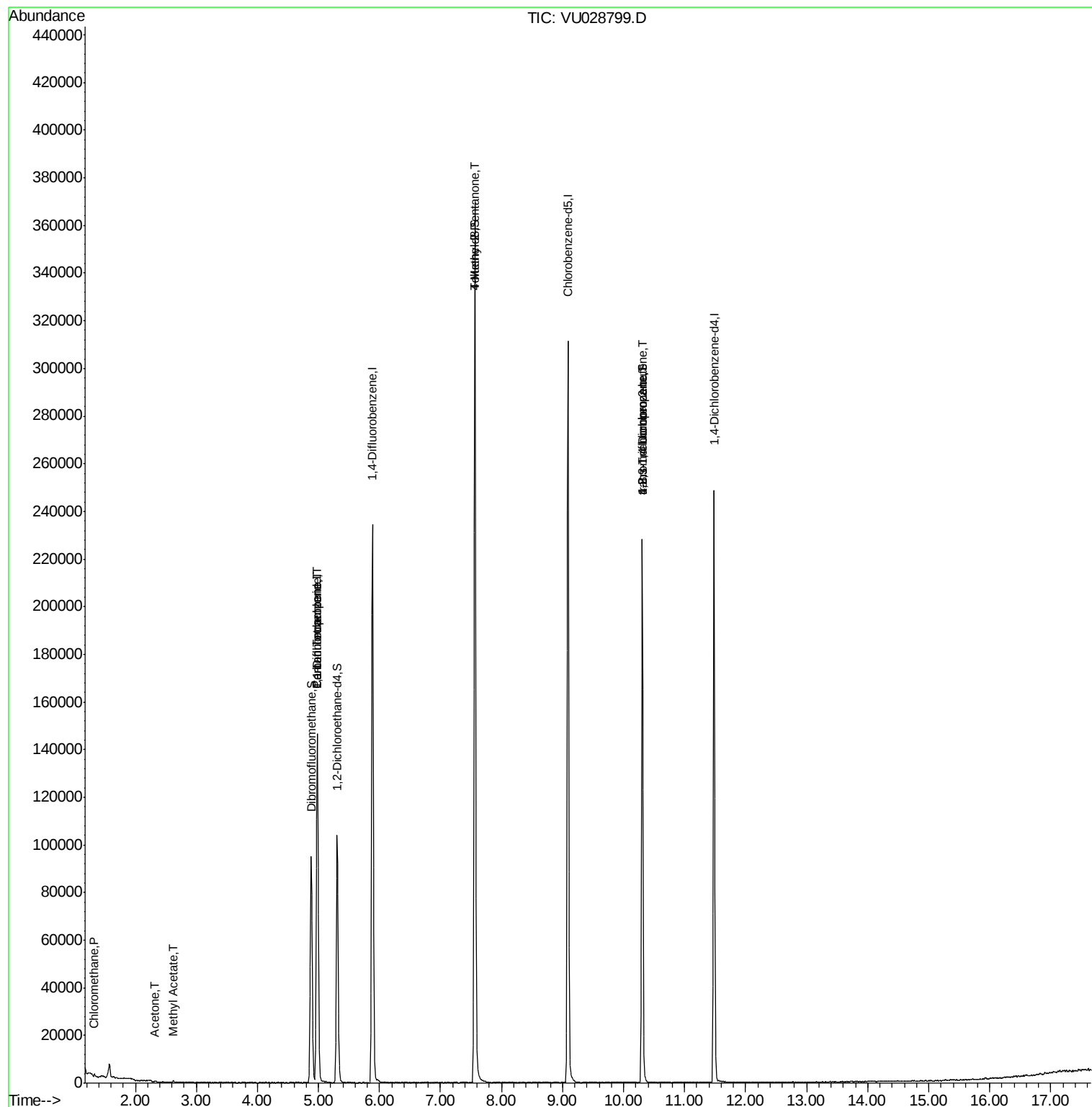
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1146	0.389	ug/l	100
16) Acetone	2.32	43	439	0.368	ug/l #	44
18) Methyl Acetate	2.62	43	810	0.262	ug/l #	68
31) Cyclohexane	4.98	56	2138	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	8966	4.027	ug/l #	50
38) Carbon Tetrachloride	4.98	117	10756	5.993	ug/l #	14
51) 4-Methyl-2-Pentanone	7.57	43	1006	0.350	ug/l #	1
76) 1,2,3-Trichloropropane	10.30	75	37336	21.953	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.30	75	37336	53.934	ug/l #	100

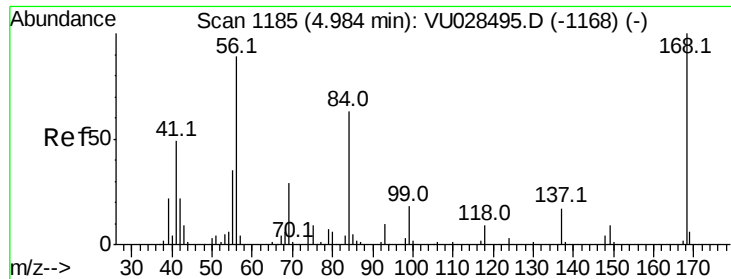
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028799.D

Acq: 19 Dec 2018 17:21

Instrument :

MSVOA_U

ClientSampleId :

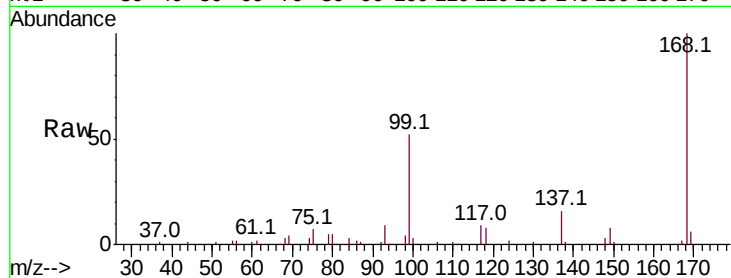
MW-5B_R1

Tot Ion:168 Resp: 119664

Ion Ratio Lower Upper

168 100

99 52.4 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)

4.98

60000

50000

40000

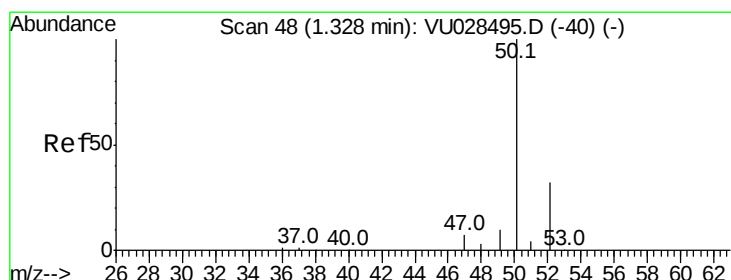
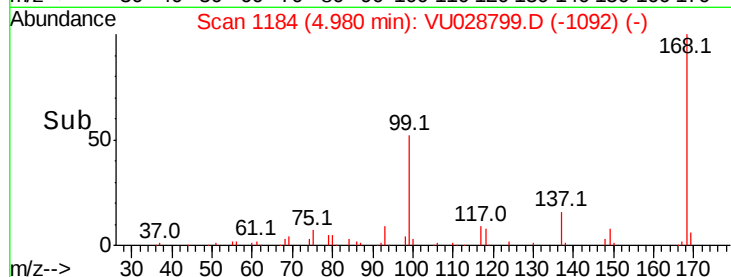
30000

20000

10000

0

Time-->



#3

Chloromethane

Concen: 0.389 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028799.D

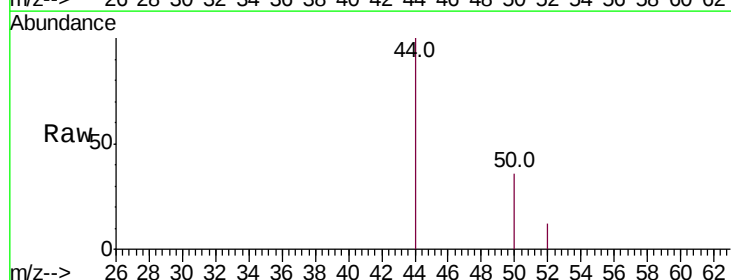
Acq: 19 Dec 2018 17:21

Tgt Ion: 50 Resp: 1146

Ion Ratio Lower Upper

50 100

52 31.9 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VU028495.D (-40) (-)

Ion 51.90 (51.60 to 52.60): VU028495.D (-40) (-)

1.33

1000

800

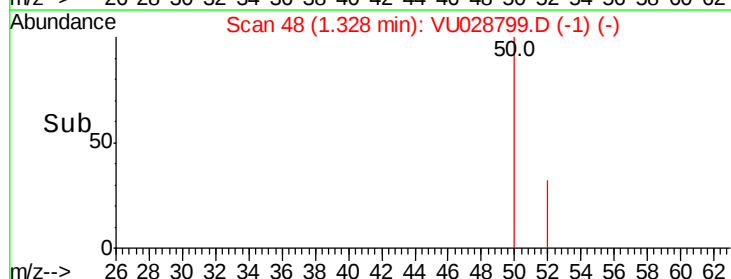
600

400

200

0

Time-->





#16

Acetone

Concen: 0.368 ug/l

RT: 2.32 min Scan# 356

Delta R.T. -0.00 min

Lab File: VU028799.D

Acq: 19 Dec 2018 17:21

Instrument :

MSVOA_U

ClientSampleId :

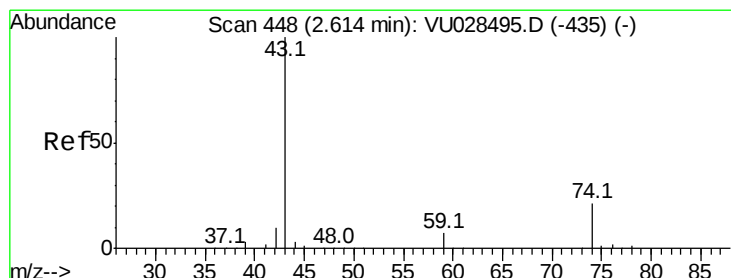
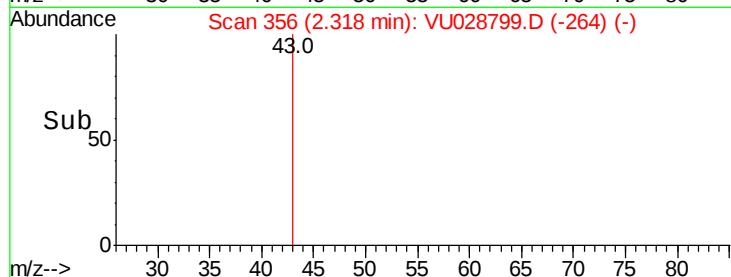
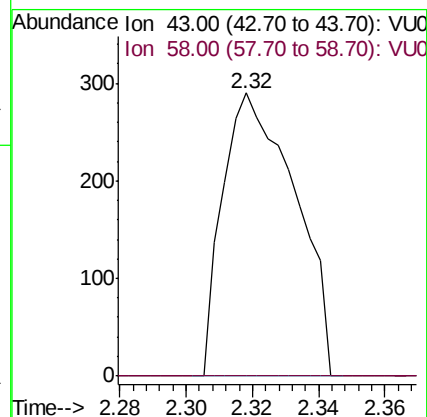
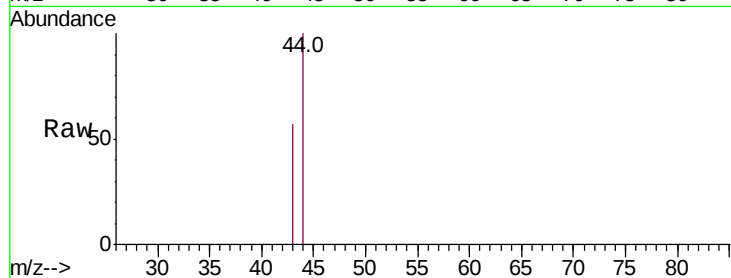
MW-5B_R1

Tot Ion: 43 Resp: 439

Ion Ratio Lower Upper

43 100

58 0.0 24.6 37.0#



#18

Methyl Acetate

Concen: 0.262 ug/l

RT: 2.62 min Scan# 451

Delta R.T. 0.01 min

Lab File: VU028799.D

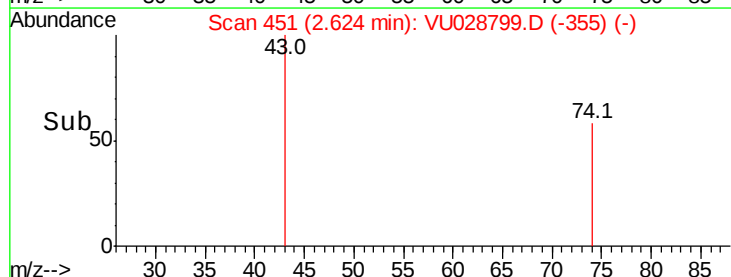
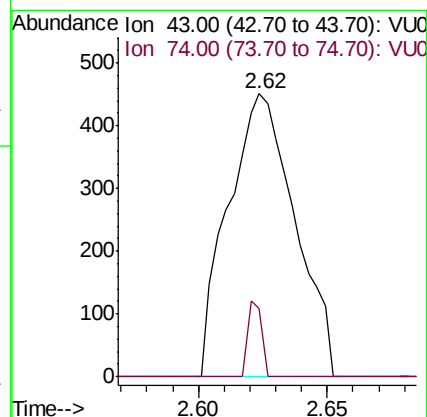
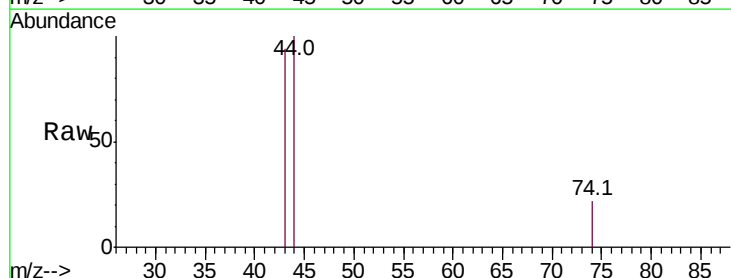
Acq: 19 Dec 2018 17:21

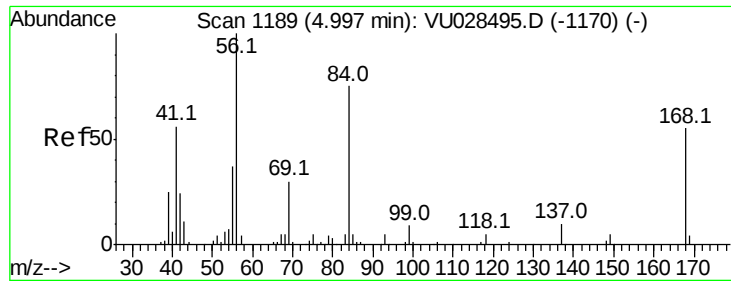
Tgt Ion: 43 Resp: 810

Ion Ratio Lower Upper

43 100

74 5.4 16.4 24.6#

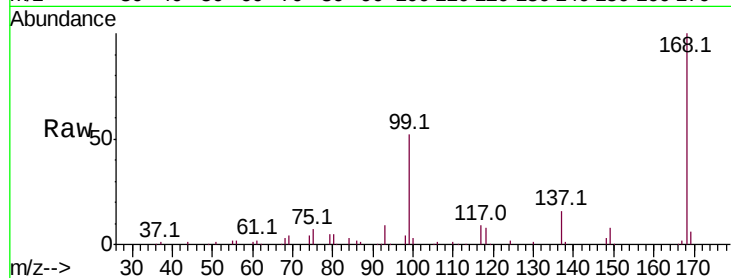




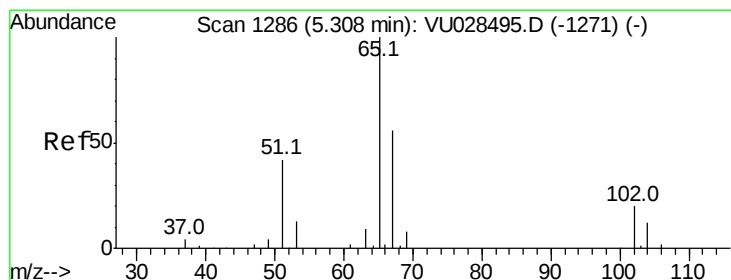
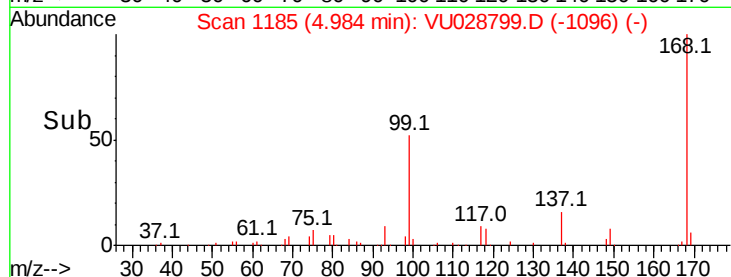
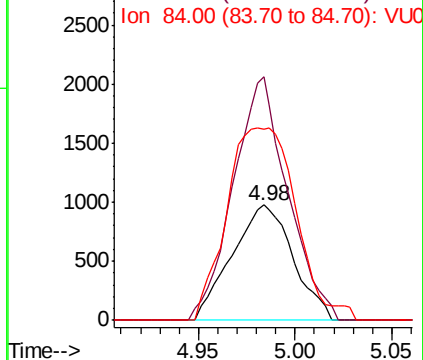
#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU028799.D
Acq: 19 Dec 2018 17:21

Instrument :
MSVOA_U
ClientSampleId :
MW-5B_R1

Tot Ion: 56 Resp: 2138
Ion Ratio Lower Upper
56 100
69 211.4 24.0 36.0#
84 166.5 59.7 89.5#

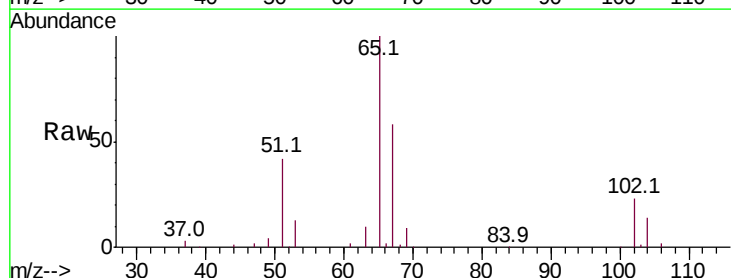


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

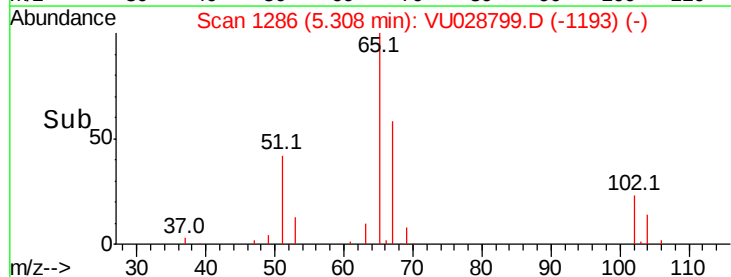
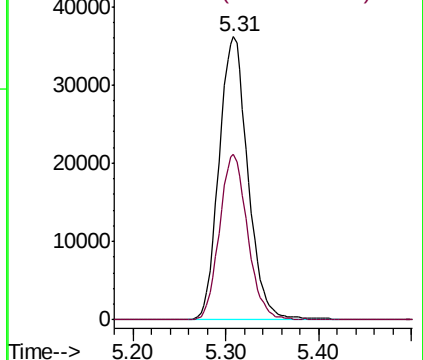


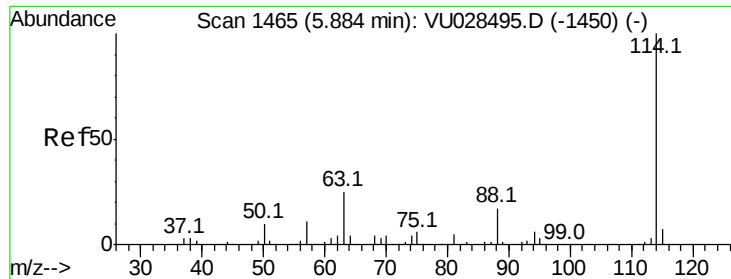
#33
1,2-Dichloroethane-d4
Concen: 42.727 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. -0.00 min
Lab File: VU028799.D
Acq: 19 Dec 2018 17:21

Tgt Ion: 65 Resp: 78025
Ion Ratio Lower Upper
65 100
67 56.7 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0

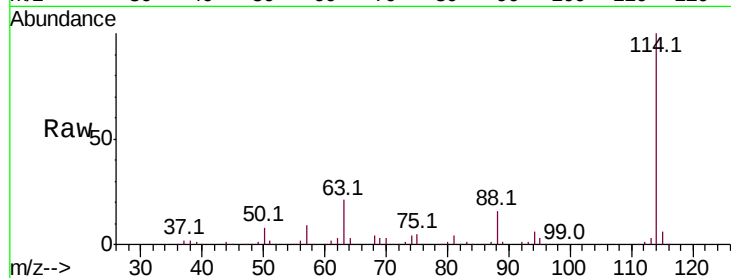




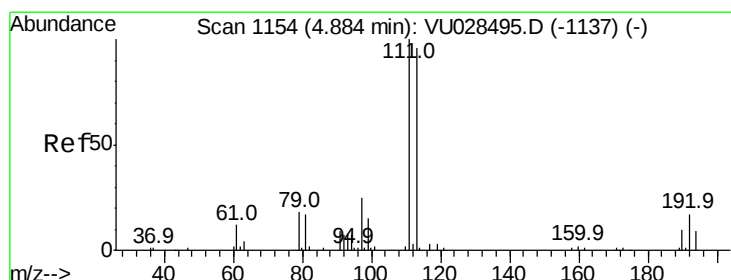
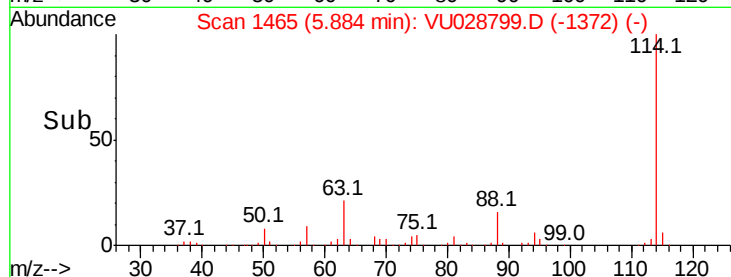
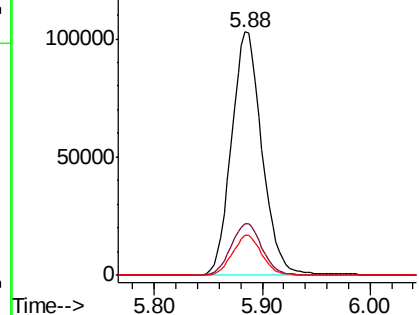
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028799.D
 Acq: 19 Dec 2018 17:21

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-5B_R1

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	49.2
88	16.2	0.0	33.4

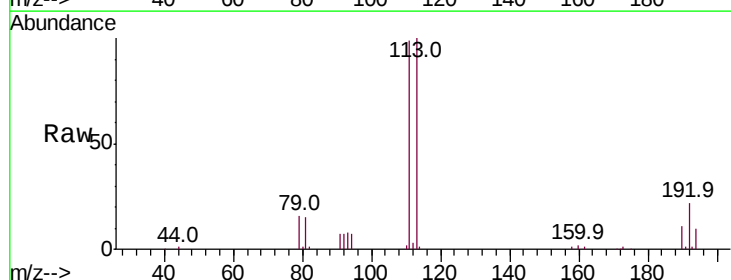


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

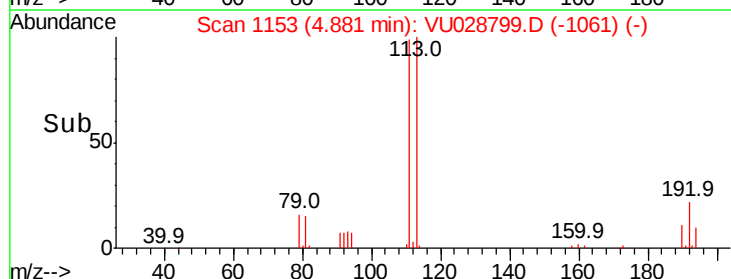
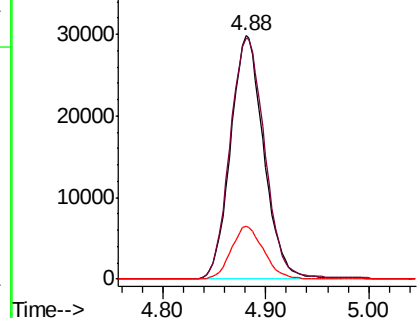


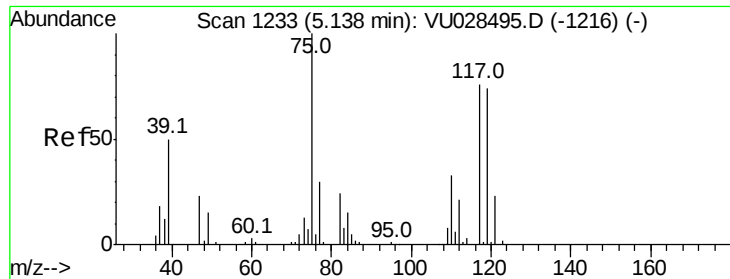
#35
 Dibromofluoromethane
 Concen: 52.354 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028799.D
 Acq: 19 Dec 2018 17:21

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	83.4	125.0
192	21.3	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: 4.027 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU028799.D

Acq: 19 Dec 2018 17:21

Instrument :

MSVOA_U

ClientSampleId :

MW-5B_R1

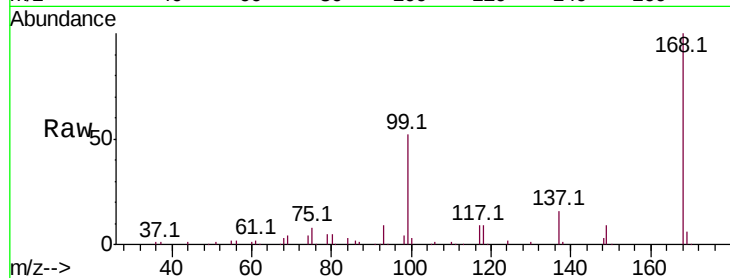
Tot Ion: 75 Resp: 8966

Ion Ratio Lower Upper

75 100

110 6.8 16.1 48.2#

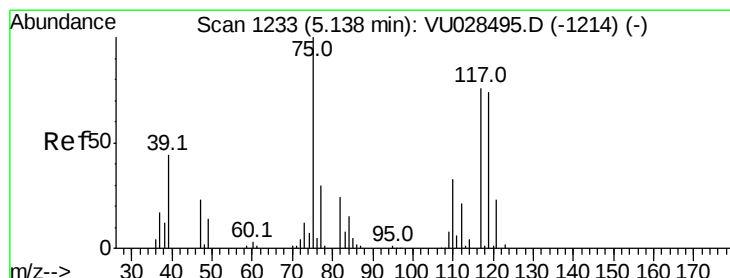
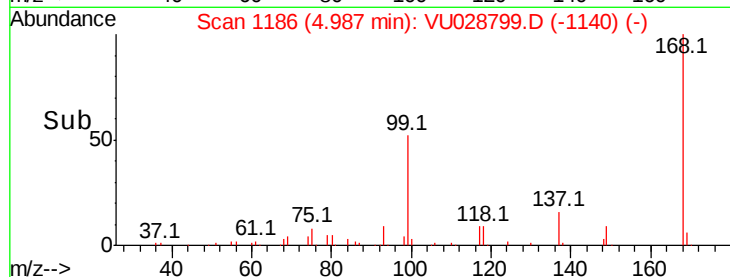
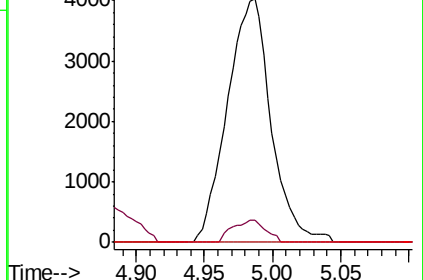
77 0.0 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VU028495.D (-1216) (-)

Ion 109.90 (109.60 to 110.60): VU028495.D (-1216) (-)

Ion 76.90 (76.60 to 77.60): VU028495.D (-1216) (-)



#38

Carbon Tetrachloride

Concen: 5.993 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.16 min

Lab File: VU028799.D

Acq: 19 Dec 2018 17:21

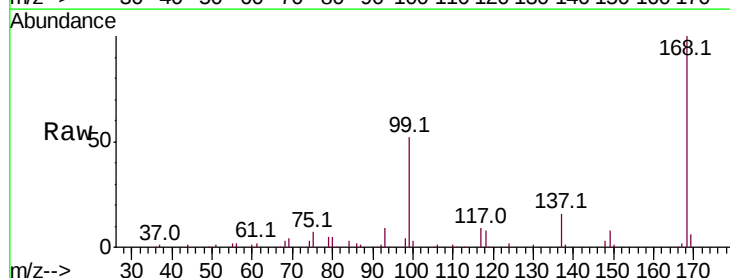
Tgt Ion: 117 Resp: 10756

Ion Ratio Lower Upper

117 100

119 3.8 77.6 116.4#

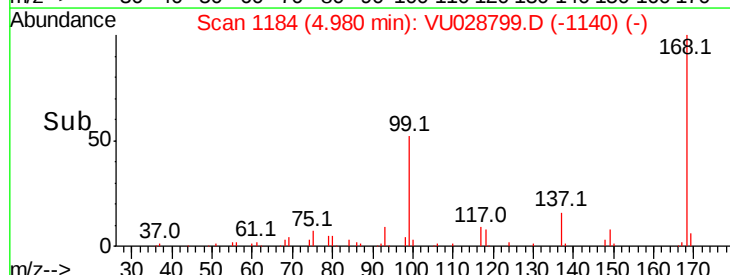
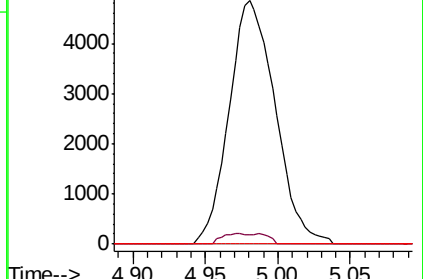
121 0.0 24.6 36.8#

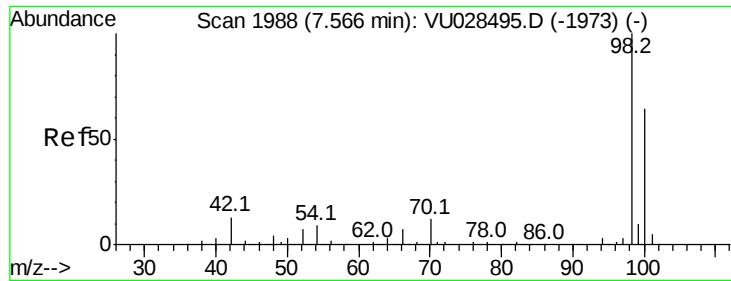


Abundance Ion 116.80 (116.50 to 117.50): VU028495.D (-1214) (-)

Ion 118.80 (118.50 to 119.50): VU028495.D (-1214) (-)

Ion 120.80 (120.50 to 121.50): VU028495.D (-1214) (-)





#50

Toluene-d8

Concen: 50.191 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VU028799.D

Acq: 19 Dec 2018 17:21

Instrument :

MSVOA_U

ClientSampleId :

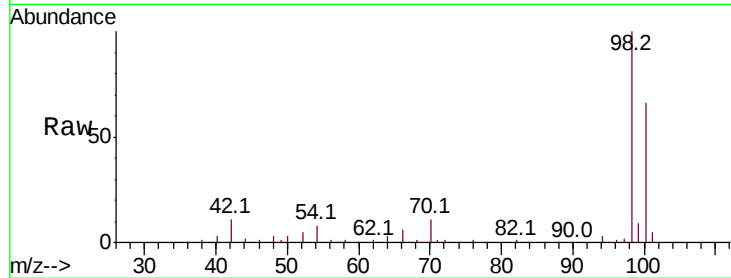
MW-5B_R1

Tot Ion: 98 Resp: 254247

Ion Ratio Lower Upper

98 100

100 65.1 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU028799.D (-1973) (-)

Ion 100.00 (99.70 to 100.70): VU028799.D (-1973) (-)

7.56

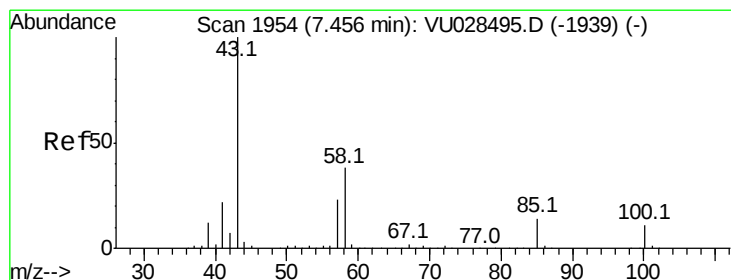
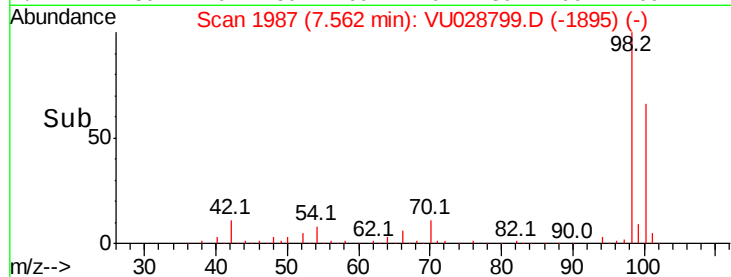
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.350 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.11 min

Lab File: VU028799.D

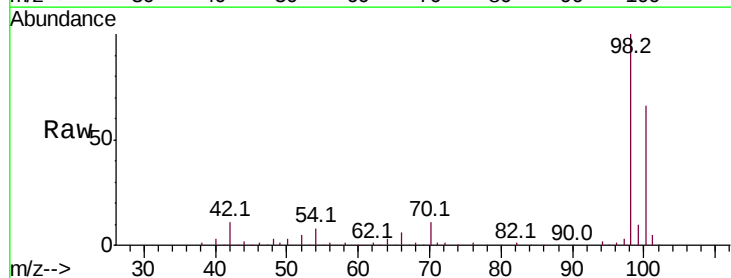
Acq: 19 Dec 2018 17:21

Tgt Ion: 43 Resp: 1006

Ion Ratio Lower Upper

43 100

58 197.6 30.2 45.2#



Abundance Ion 43.00 (42.70 to 43.70): VU028799.D (-1861) (-)

Ion 58.00 (57.70 to 58.70): VU028799.D (-1861) (-)

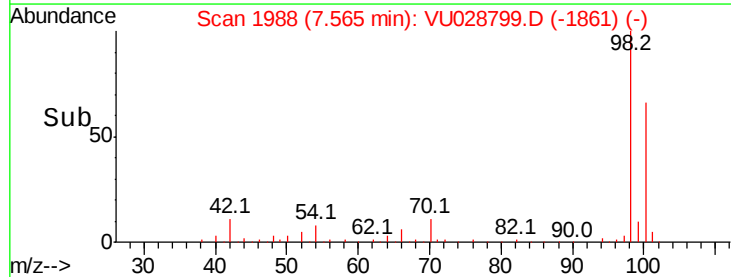
7.57

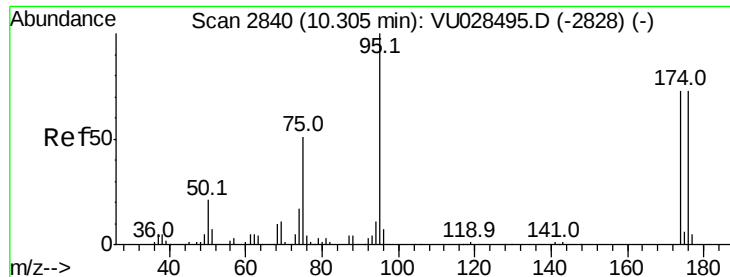
1000

500

0

Time-->





#62

4-Bromofluorobenzene

Concen: 41.262 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028799.D

Acq: 19 Dec 2018 17:21

Instrument :

MSVOA_U

ClientSampleId :

MW-5B_R1

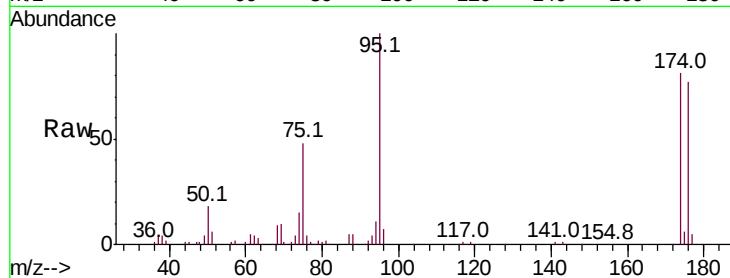
Tot Ion: 95 Resp: 78123

Ion Ratio Lower Upper

95 100

174 82.5 0.0 150.4

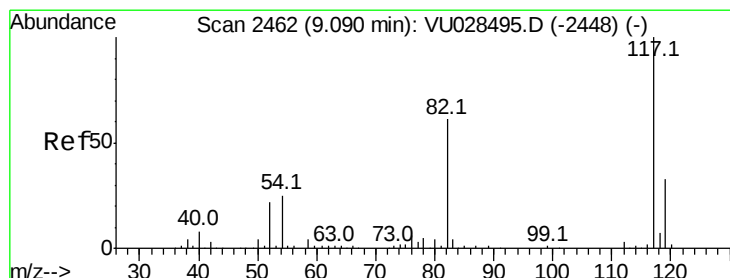
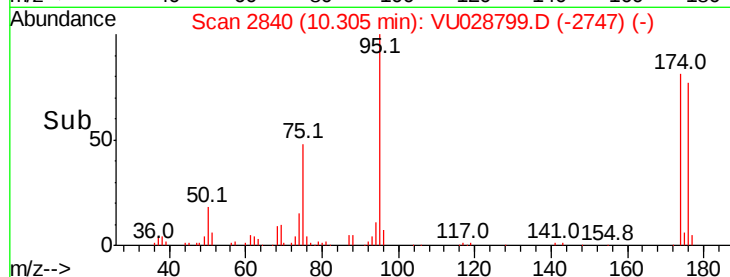
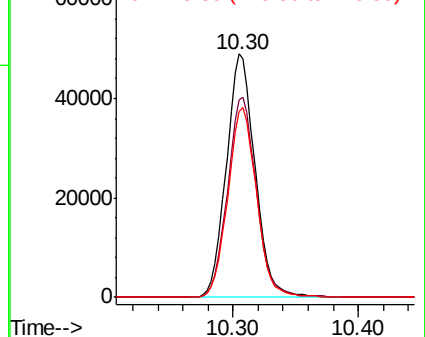
176 78.2 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2461

Delta R.T. -0.00 min

Lab File: VU028799.D

Acq: 19 Dec 2018 17:21

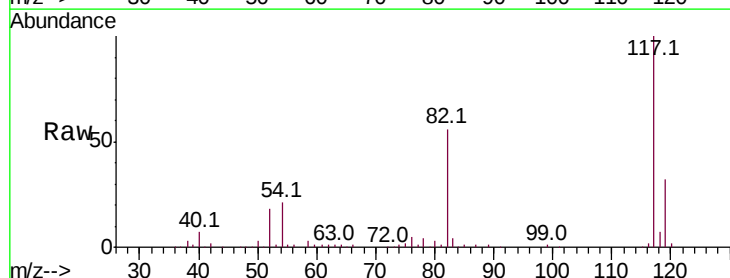
Tgt Ion: 117 Resp: 180038

Ion Ratio Lower Upper

117 100

82 56.1 48.9 73.3

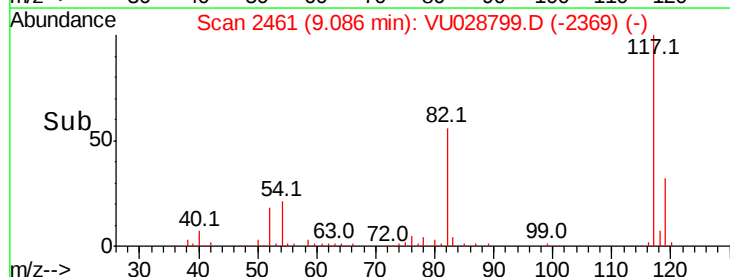
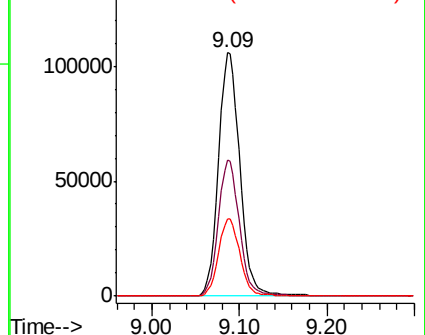
119 31.6 26.2 39.4

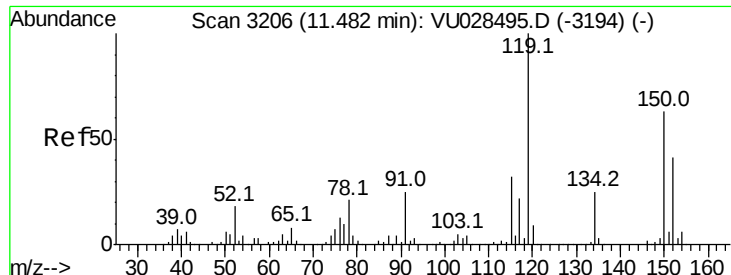


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028799.D

Acq: 19 Dec 2018 17:21

Instrument :

MSVOA_U

ClientSampleId :

MW-5B_R1

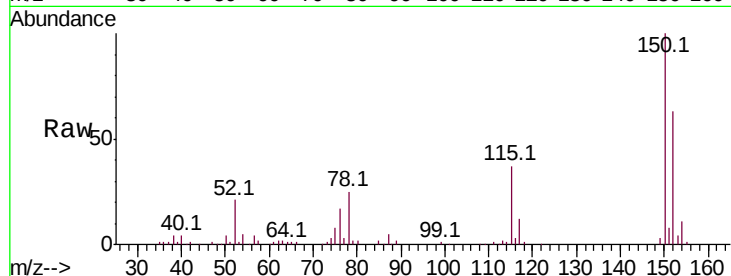
Tot Ion:152 Resp: 66603

Ion Ratio Lower Upper

152 100

115 58.7 42.7 128.1

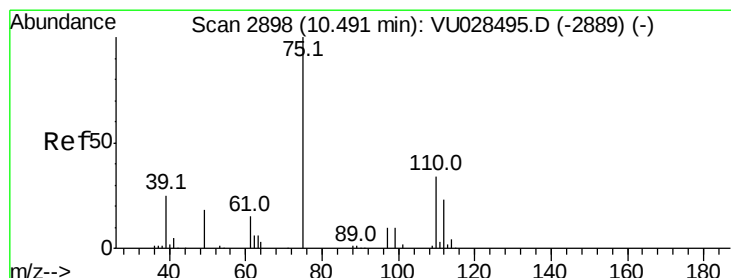
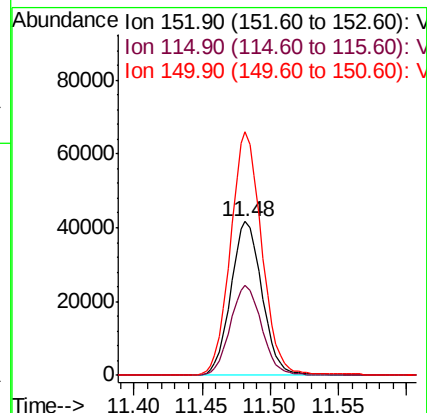
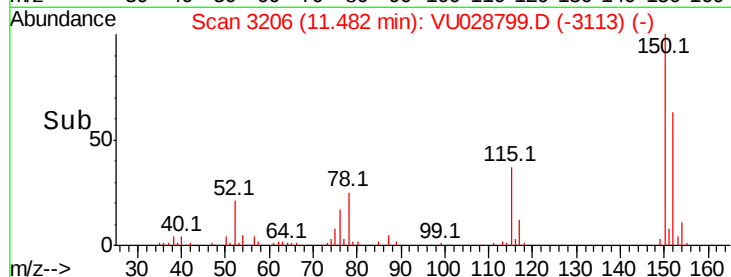
150 157.3 0.0 346.0



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: 21.953 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028799.D

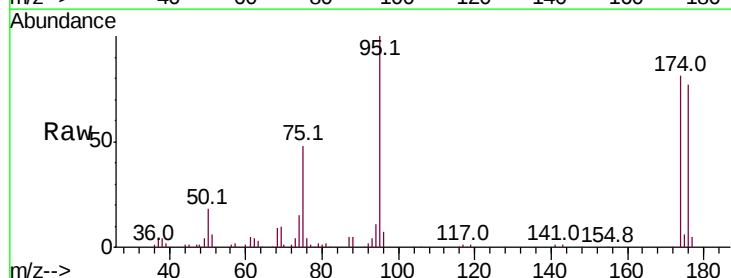
Acq: 19 Dec 2018 17:21

Tgt Ion: 75 Resp: 37336

Ion Ratio Lower Upper

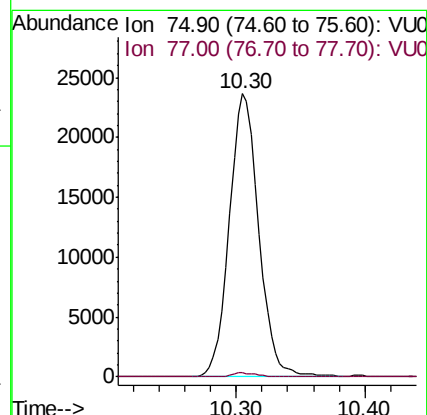
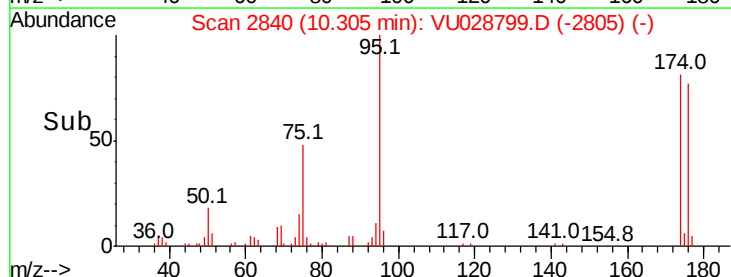
75 100

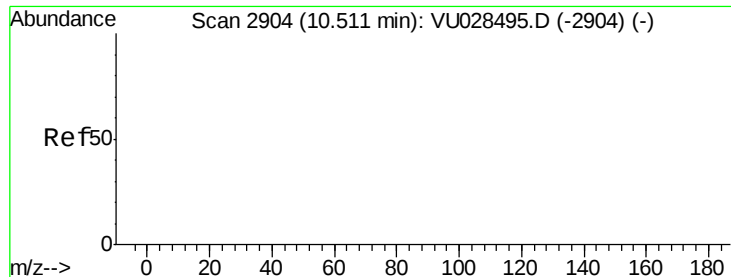
77 1.2 20.8 62.4#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#81

trans-1,4-Dichloro-2-butene

Concen: 53.934 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU028799.D

Acq: 19 Dec 2018 17:21

Instrument :

MSVOA_U

ClientSampleId :

MW-5B_R1

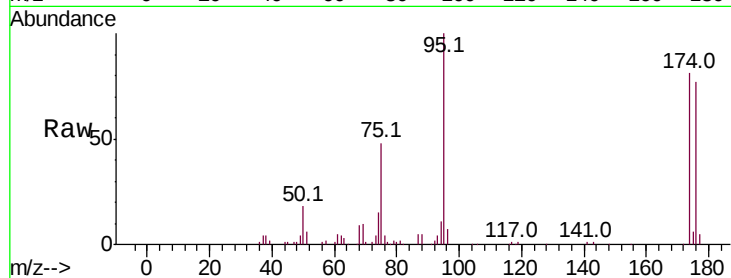
Tot Ion: 75 Resp: 37336

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

