

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121918\
 Data File : VU028795.D
 Acq On : 19 Dec 2018 15:44
 Operator : MD/SY
 Sample : J6408-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SA.MW130I-20181208

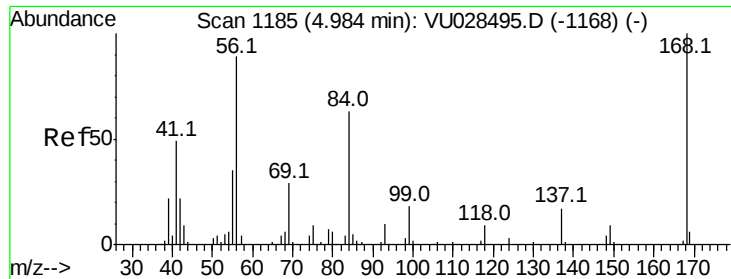
Quant Time: Dec 20 06:22:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	126579	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	216495	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	193865	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	77465	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	84012	43.49	ug/l	0.00
Spiked Amount			Recovery	=	86.98%	
35) Dibromofluoromethane	4.88	113	70868	52.02	ug/l	0.00
Spiked Amount			Recovery	=	104.04%	
50) Toluene-d8	7.56	98	268308	49.78	ug/l	0.00
Spiked Amount			Recovery	=	99.56%	
62) 4-Bromofluorobenzene	10.30	95	86132	42.76	ug/l	0.00
Spiked Amount			Recovery	=	85.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1123	0.360	ug/l	100
16) Acetone	2.32	43	486	0.386	ug/l	97
18) Methyl Acetate	2.62	43	947	0.290	ug/l #	83
24) 1,1-Dichloroethane	3.45	63	2833	0.835	ug/l #	93
31) Cyclohexane	4.98	56	2193	Below Cal	#	1
32) 1,1,1-Trichloroethane	4.91	97	513	0.209	ug/l #	34
36) 1,1-Dichloropropene	4.98	75	9833	4.151	ug/l #	49
38) Carbon Tetrachloride	4.98	117	11156	5.842	ug/l #	15
51) 4-Methyl-2-Pentanone	7.56	43	1201	0.393	ug/l #	1
76) 1,2,3-Trichloropropane	10.30	75	42119	21.293	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.30	75	42119	52.328	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.55	180	71	0.882	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028795.D

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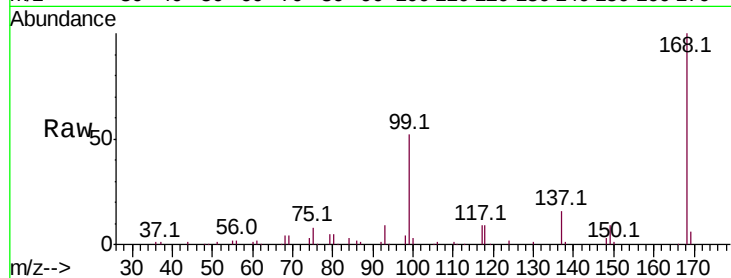
SA.MW130I-20181208

Tot Ion:168 Resp: 126579

Ion Ratio Lower Upper

168 100

99 52.1 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

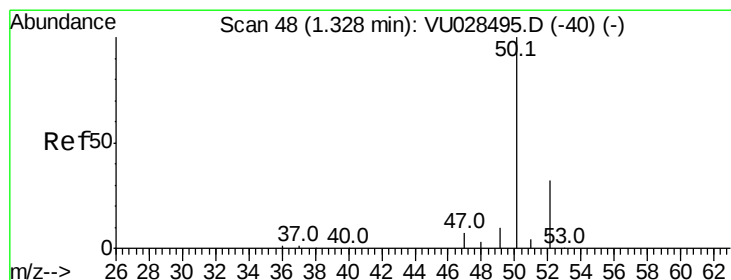
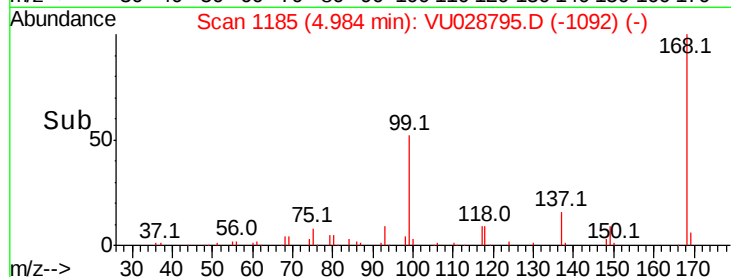
20000

10000

0

4.90 5.00 5.10

Time-->



#3

Chloromethane

Concen: 0.360 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028795.D

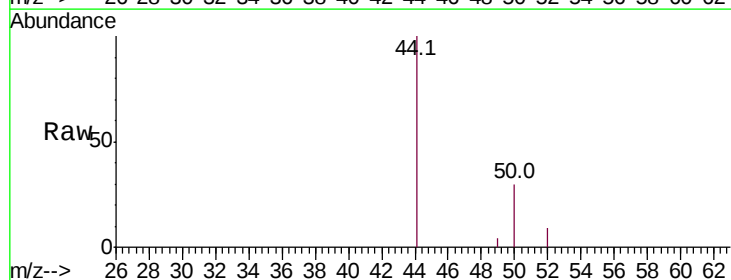
Acq: 19 Dec 2018 15:44

Tgt Ion: 50 Resp: 1123

Ion Ratio Lower Upper

50 100

52 32.0 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

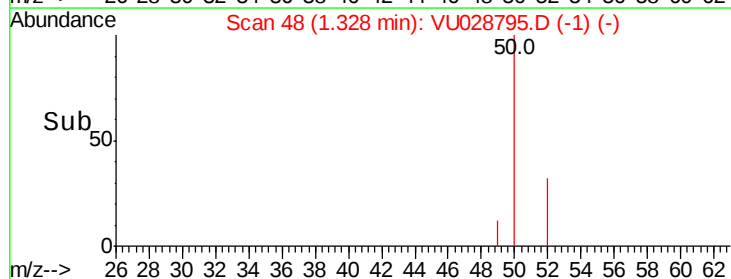
400

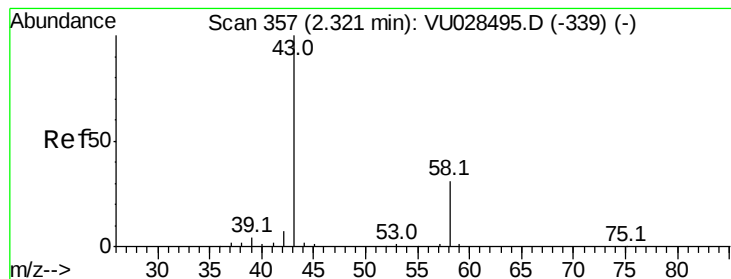
200

0

1.30 1.35

Time-->





#16

Acetone

Concen: 0.386 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU028795.D

Acq: 19 Dec 2018 15:44

Instrument :

MSVOA_U

ClientSampleId :

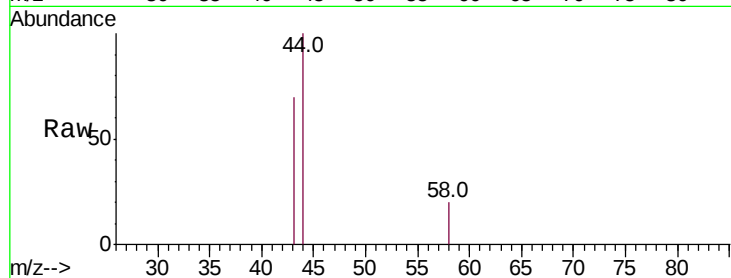
SA.MW130I-20181208

Tot Ion: 43 Resp: 486

Ion Ratio Lower Upper

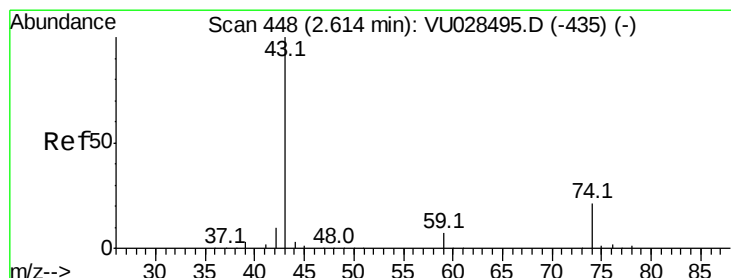
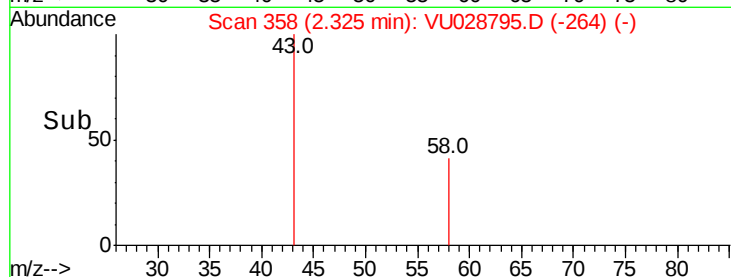
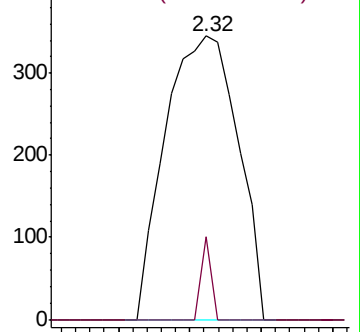
43 100

58 29.3 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#18

Methyl Acetate

Concen: 0.290 ug/l

RT: 2.62 min Scan# 451

Delta R.T. 0.01 min

Lab File: VU028795.D

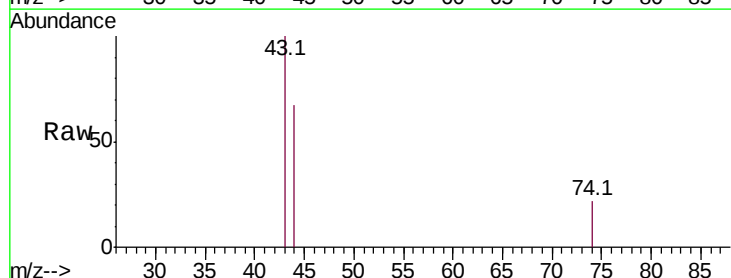
Acq: 19 Dec 2018 15:44

Tgt Ion: 43 Resp: 947

Ion Ratio Lower Upper

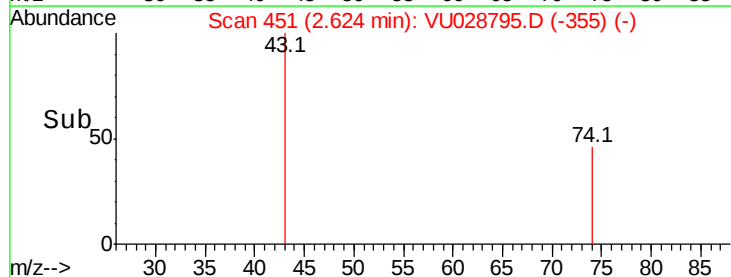
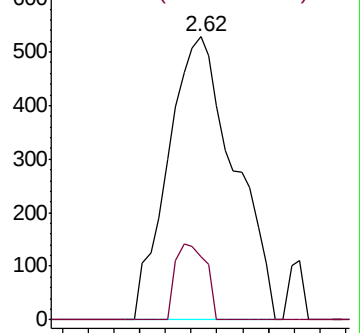
43 100

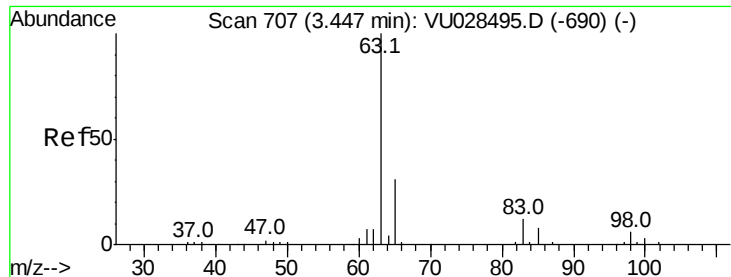
74 12.5 16.4 24.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





#24

1,1-Dichloroethane

Concen: 0.835 ug/l

RT: 3.45 min Scan# 707

Delta R.T. -0.00 min

Lab File: VU028795.D

Acq: 19 Dec 2018 15:44

Instrument :

MSVOA_U

ClientSampleId :

SA.MW130I-20181208

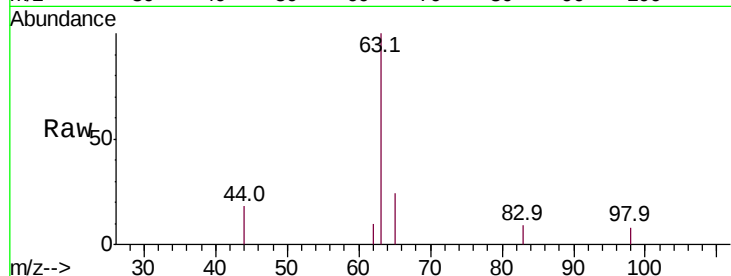
Tot Ion: 63 Resp: 2833

Ion Ratio Lower Upper

63 100

98 7.8 3.0 9.2

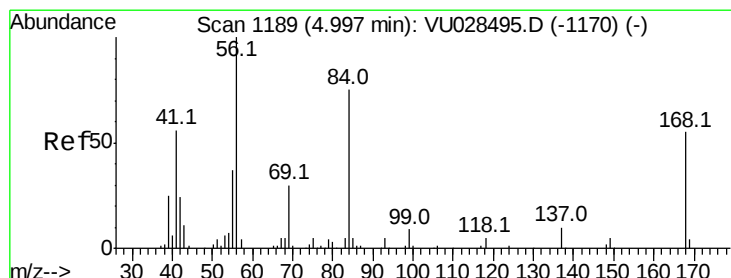
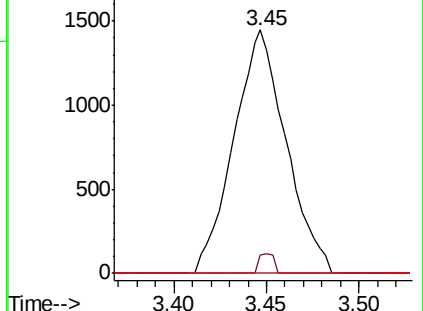
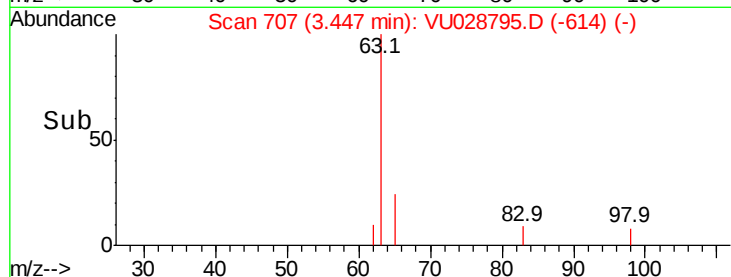
100 0.0 1.7 5.1#



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0



#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1184

Delta R.T. -0.02 min

Lab File: VU028795.D

Acq: 19 Dec 2018 15:44

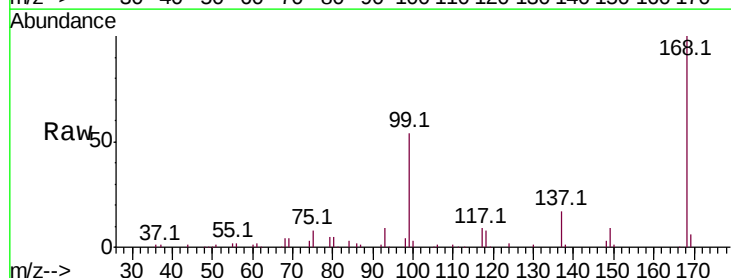
Tgt Ion: 56 Resp: 2193

Ion Ratio Lower Upper

56 100

69 202.6 24.0 36.0#

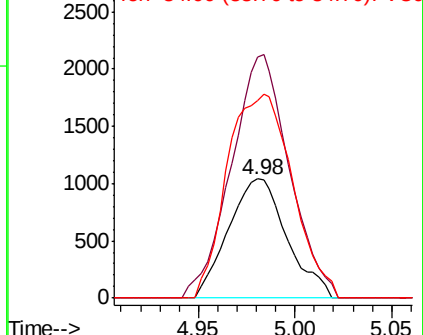
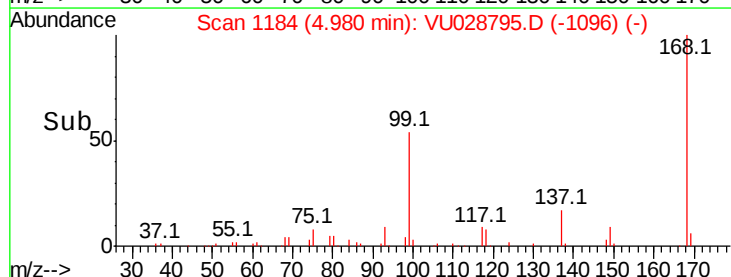
84 166.0 59.7 89.5#

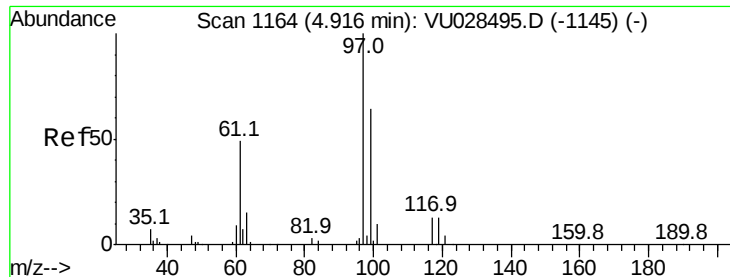


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0





#32

1,1,1-Trichloroethane

Concen: 0.209 ug/l

RT: 4.91 min Scan# 1163

Delta R.T. -0.00 min

Lab File: VU028795.D

Acq: 19 Dec 2018 15:44

Instrument :

MSVOA_U

ClientSampleId :

SA.MW130I-20181208

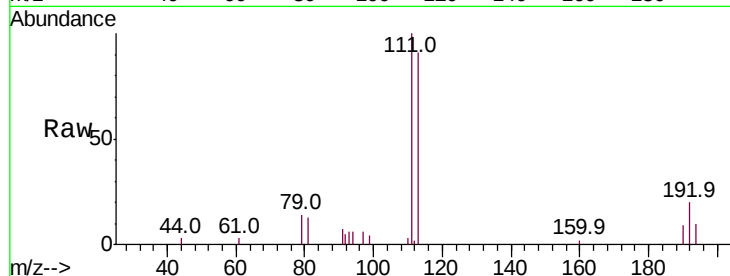
Tot Ion: 97 Resp: 513

Ion Ratio Lower Upper

97 100

99 0.0 52.3 78.5#

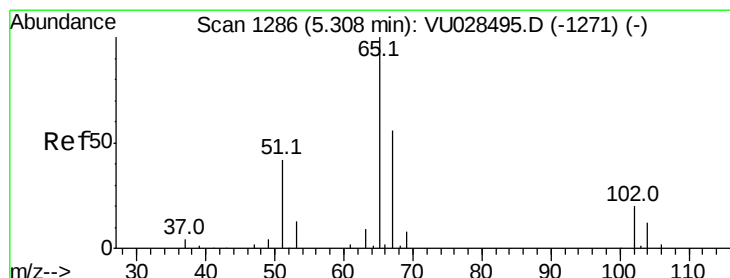
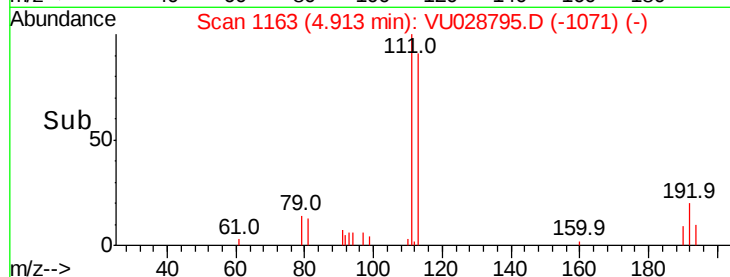
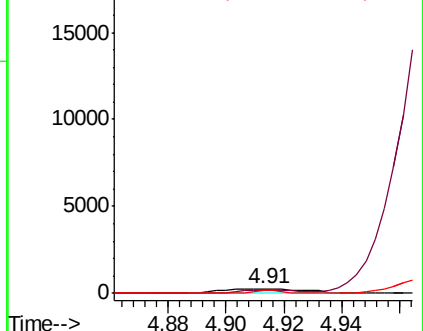
61 19.3 39.0 58.6#



Abundance Ion 96.90 (96.60 to 97.60): VU028495.D (-1145) (-)

Ion 98.90 (98.60 to 99.60): VU028495.D (-1145) (-)

Ion 60.90 (60.60 to 61.60): VU028495.D (-1145) (-)



#33

1,2-Dichloroethane-d4

Concen: 43.492 ug/l

RT: 5.31 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VU028795.D

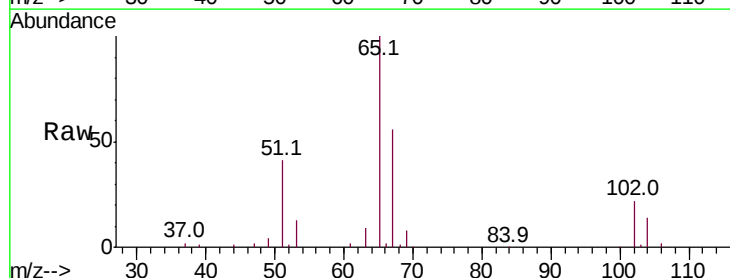
Acq: 19 Dec 2018 15:44

Tgt Ion: 65 Resp: 84012

Ion Ratio Lower Upper

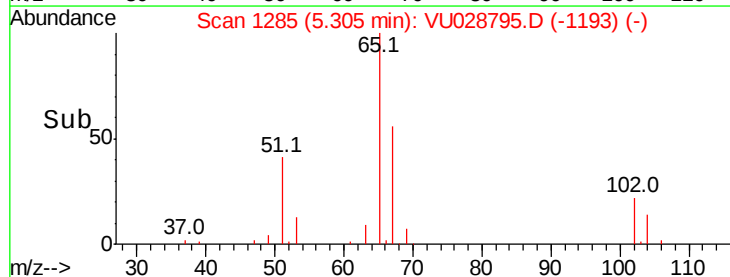
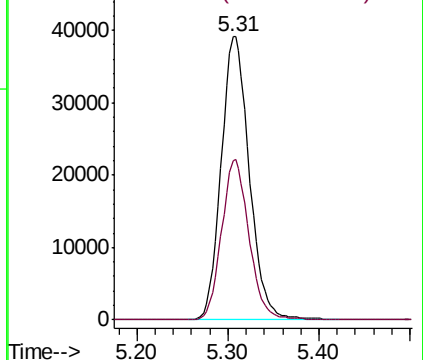
65 100

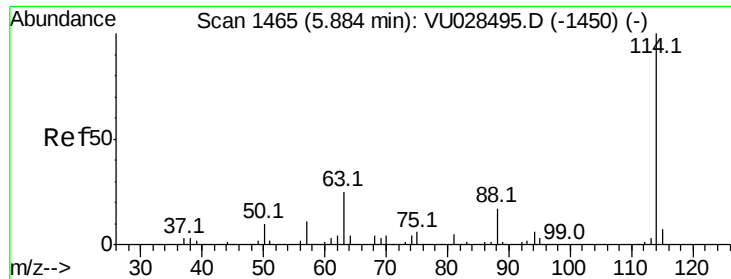
67 55.2 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU028495.D (-1271) (-)

Ion 66.90 (66.60 to 67.60): VU028495.D (-1271) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.88 min Scan# 1465

Delta R.T. -0.00 min

Lab File: VU028795.D

Acq: 19 Dec 2018 15:44

Instrument :

MSVOA_U

ClientSampleId :

SA.MW130I-20181208

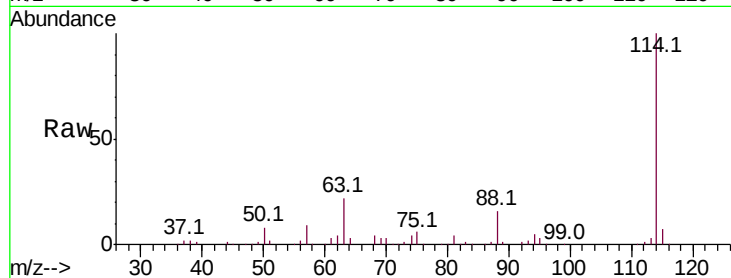
Tot Ion:114 Resp: 216495

Ion Ratio Lower Upper

114 100

63 21.5 0.0 49.2

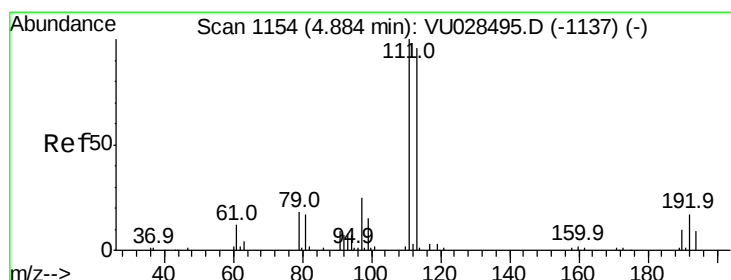
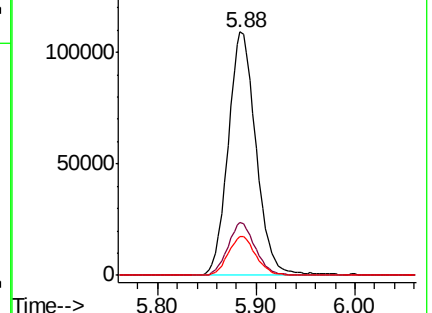
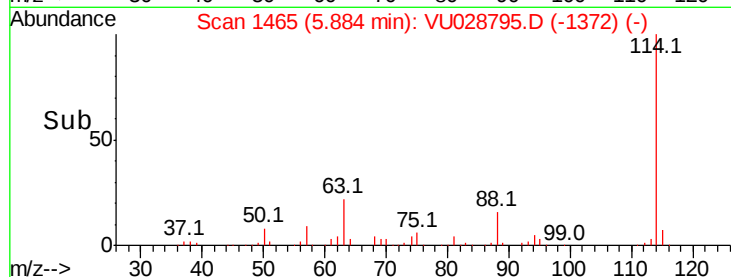
88 15.9 0.0 33.4



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: 52.016 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028795.D

Acq: 19 Dec 2018 15:44

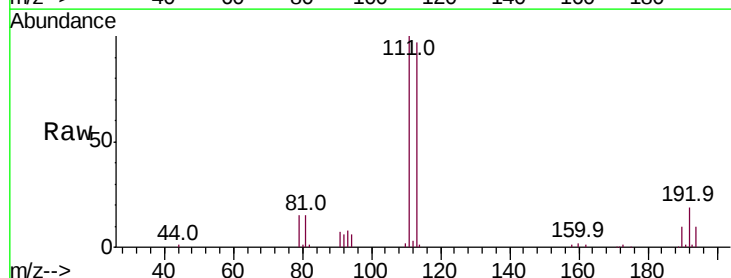
Tgt Ion:113 Resp: 70868

Ion Ratio Lower Upper

113 100

111 101.6 83.4 125.0

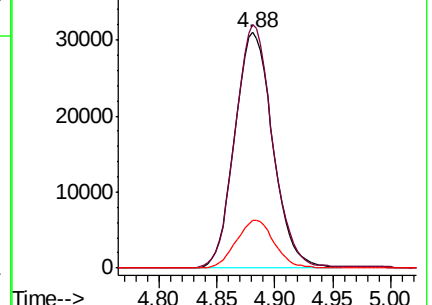
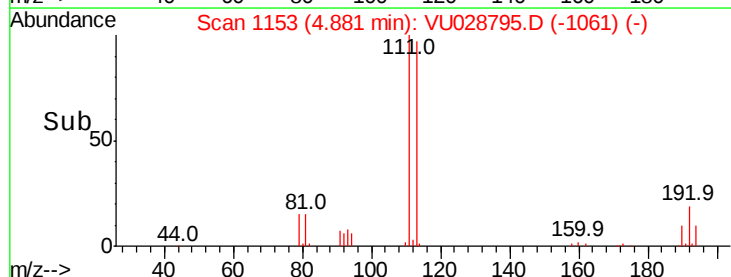
192 20.3 14.8 22.2

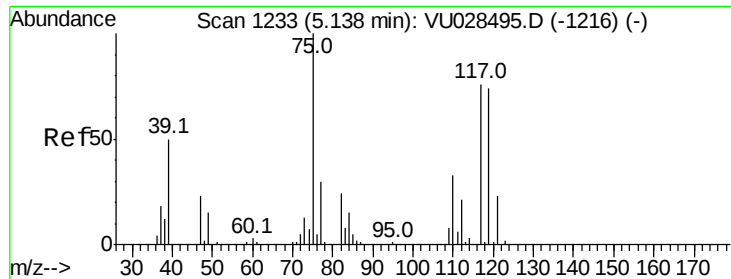


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

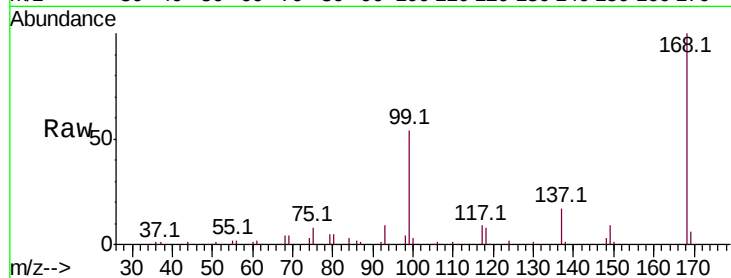




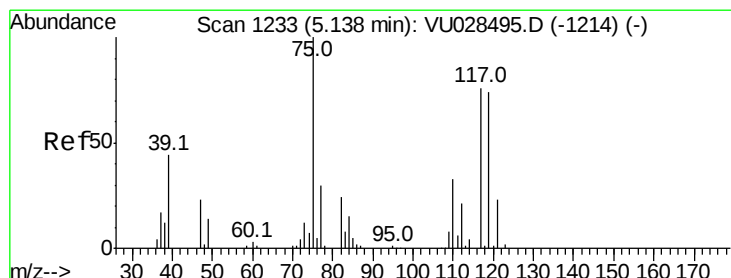
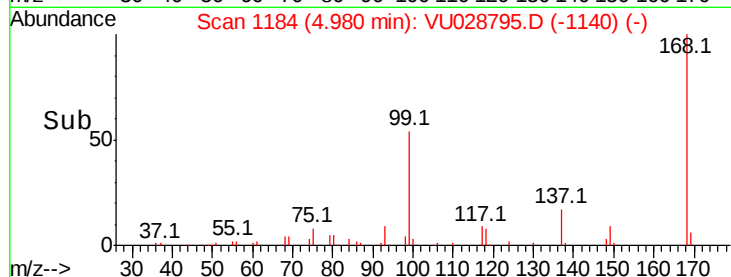
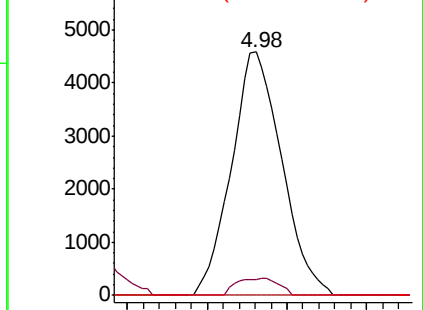
#36
 1,1-Dichloropropene
 Concen: 4.151 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.16 min
 Lab File: VU028795.D
 Acq: 19 Dec 2018 15:44

Instrument :
 MSVOA_U
 ClientSampleId :
 SA.MW130I-20181208

Tot Ion: 75 Resp: 9833
 Ion Ratio Lower Upper
 75 100
 110 5.9 16.1 48.2#
 77 0.0 24.5 36.7#

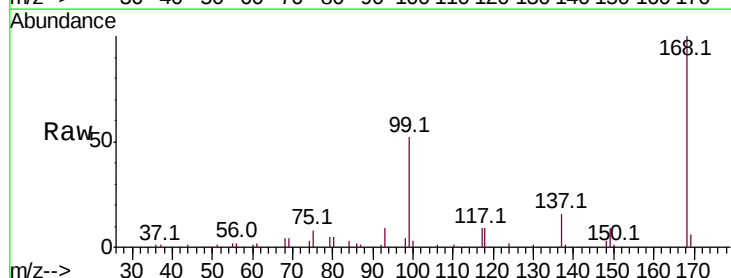


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

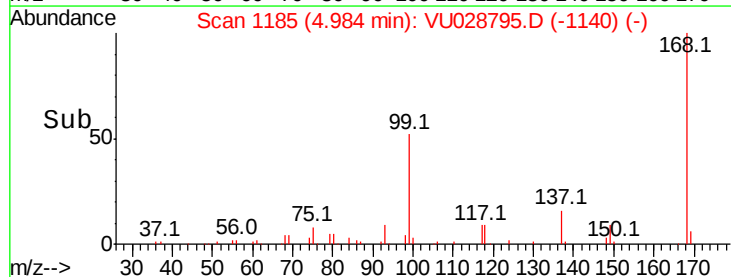
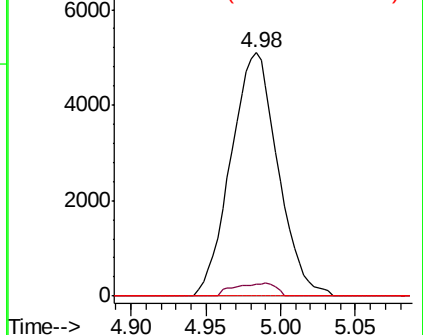


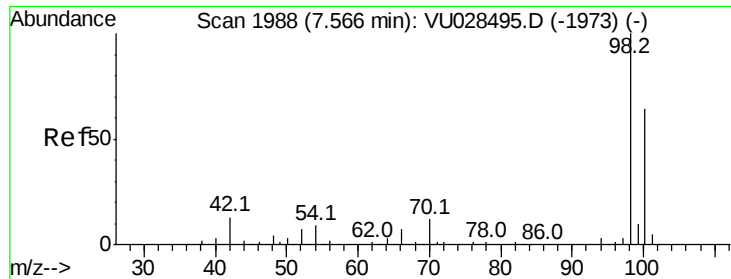
#38
 Carbon Tetrachloride
 Concen: 5.842 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU028795.D
 Acq: 19 Dec 2018 15:44

Tgt Ion: 117 Resp: 11156
 Ion Ratio Lower Upper
 117 100
 119 4.8 77.6 116.4#
 121 0.0 24.6 36.8#



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: 49.784 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VU028795.D

Acq: 19 Dec 2018 15:44

Instrument :

MSVOA_U

ClientSampleId :

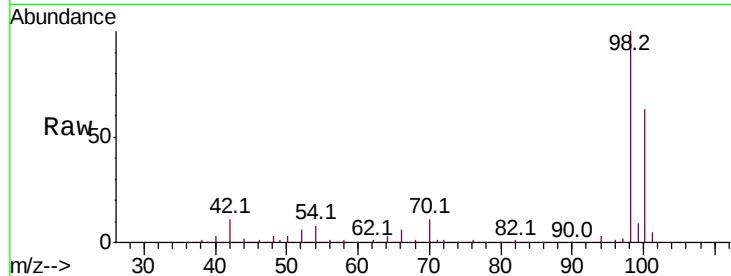
SA.MW130I-20181208

Tot Ion: 98 Resp: 268308

Ion Ratio Lower Upper

98 100

100 64.7 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU028495.D (-1973) (-)

Ion 100.00 (99.70 to 100.70): VU028495.D (-1973) (-)

7.56

150000

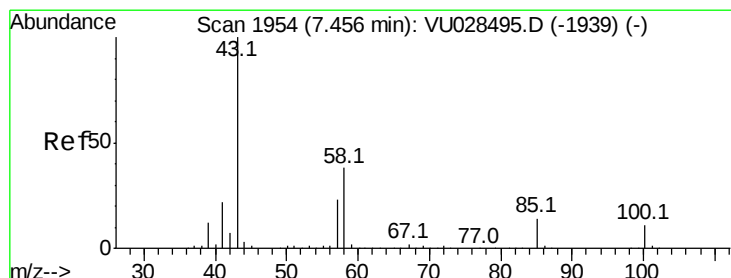
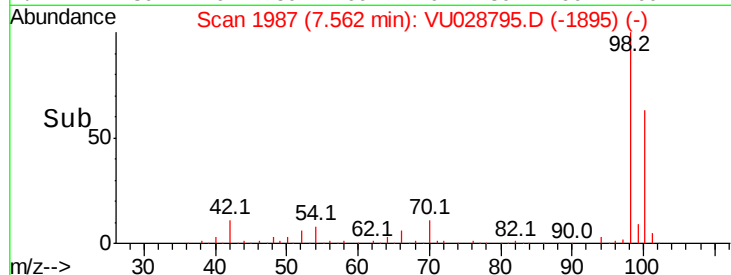
100000

50000

0

7.50 7.55 7.60 7.65

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.393 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. 0.11 min

Lab File: VU028795.D

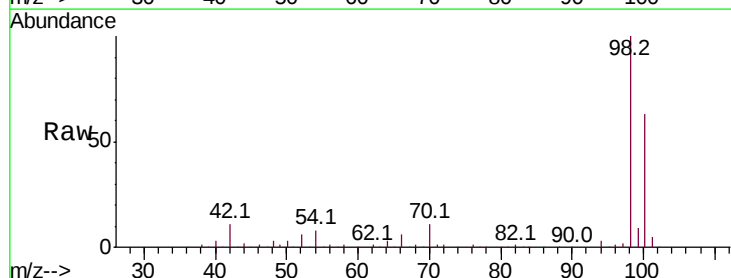
Acq: 19 Dec 2018 15:44

Tgt Ion: 43 Resp: 1201

Ion Ratio Lower Upper

43 100

58 179.2 30.2 45.2#



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU028495.D (-1939) (-)

7.56

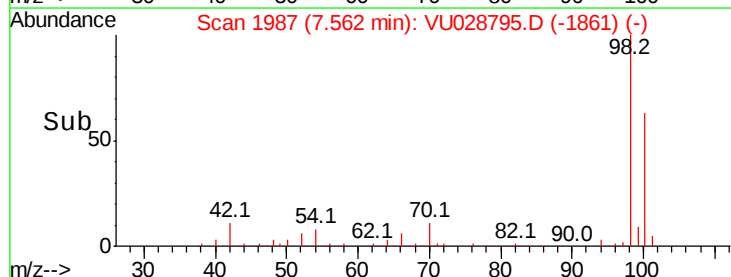
1000

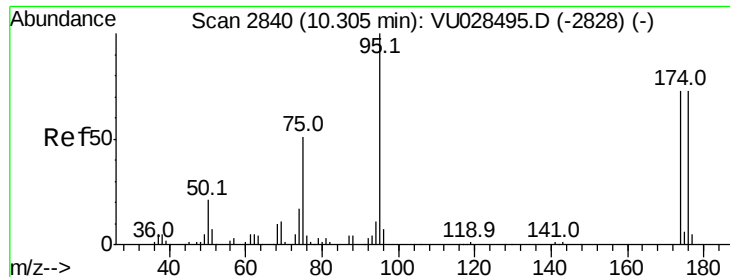
500

0

7.55 7.60

Time-->





#62

4-Bromofluorobenzene

Concen: 42.758 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028795.D

Acq: 19 Dec 2018 15:44

Instrument :

MSVOA_U

ClientSampleId :

SA.MW130I-20181208

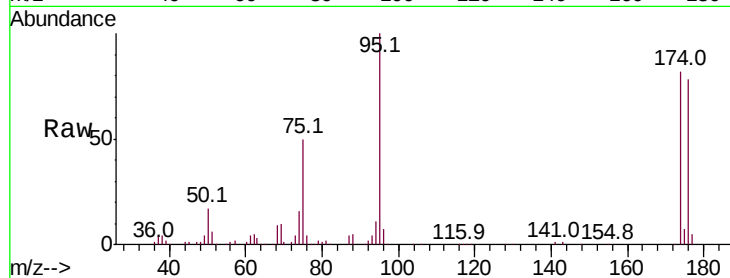
Tot Ion: 95 Resp: 86132

Ion Ratio Lower Upper

95 100

174 82.6 0.0 150.4

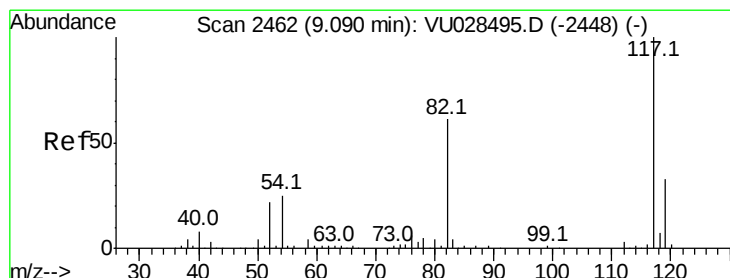
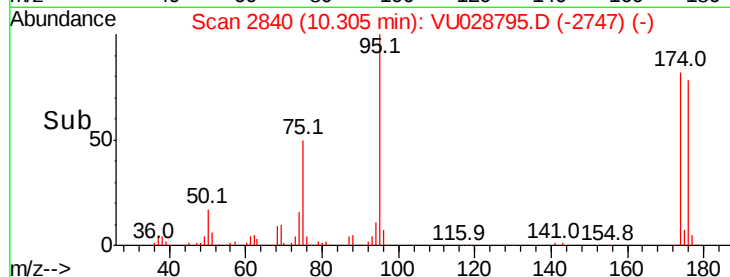
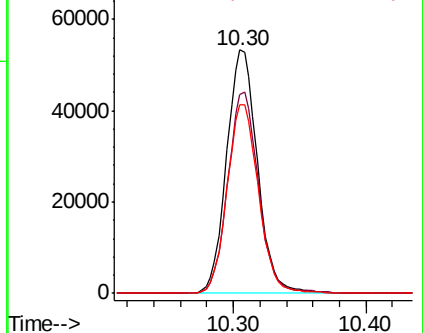
176 78.9 0.0 145.2



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# 2462

Delta R.T. -0.00 min

Lab File: VU028795.D

Acq: 19 Dec 2018 15:44

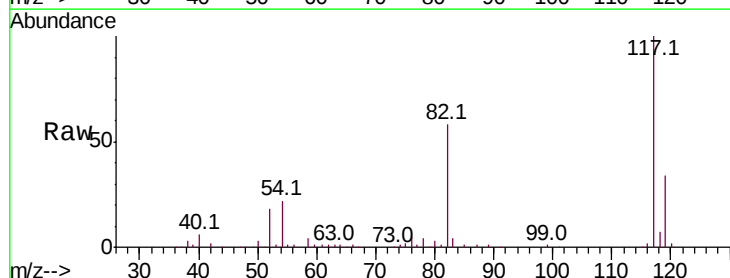
Tgt Ion: 117 Resp: 193865

Ion Ratio Lower Upper

117 100

82 57.6 48.9 73.3

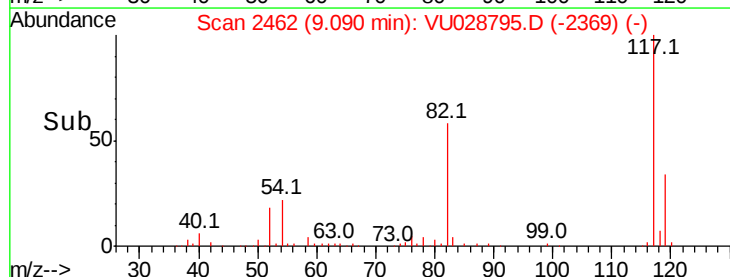
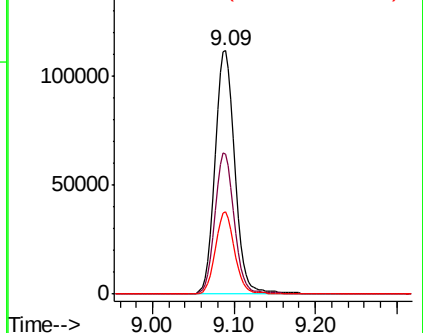
119 33.6 26.2 39.4

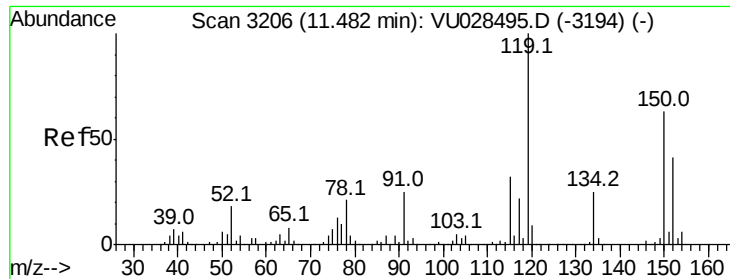


Abundance Ion 116.90 (116.60 to 117.60): V

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: VU028795.D

Acq: 19 Dec 2018 15:44

Instrument :

MSVOA_U

ClientSampleId :

SA.MW130I-20181208

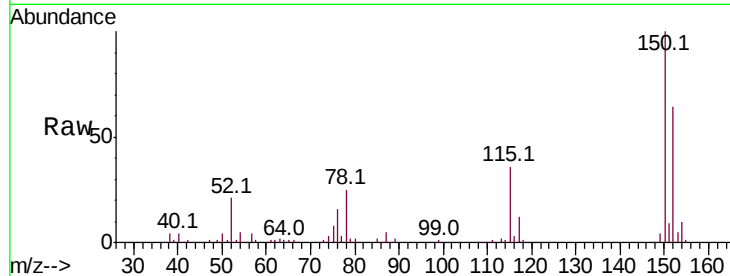
Tot Ion:152 Resp: 77465

Ion Ratio Lower Upper

152 100

115 56.8 42.7 128.1

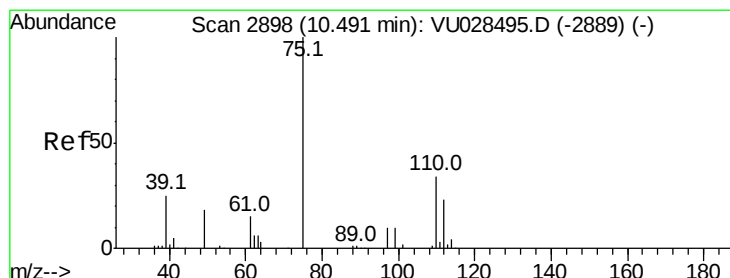
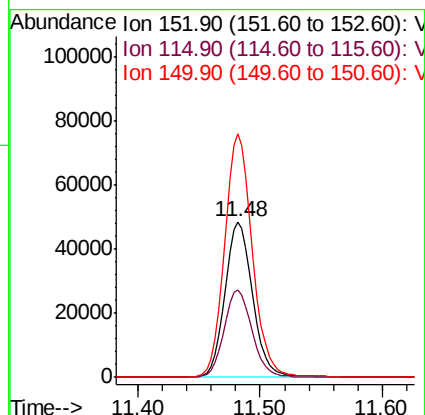
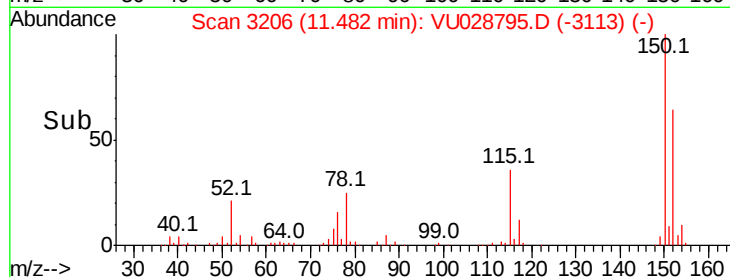
150 156.8 0.0 346.0



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: 21.293 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028795.D

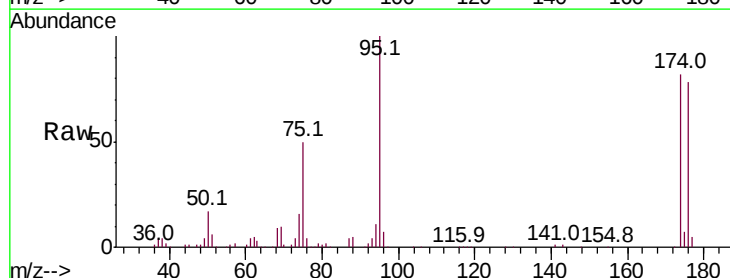
Acq: 19 Dec 2018 15:44

Tgt Ion: 75 Resp: 42119

Ion Ratio Lower Upper

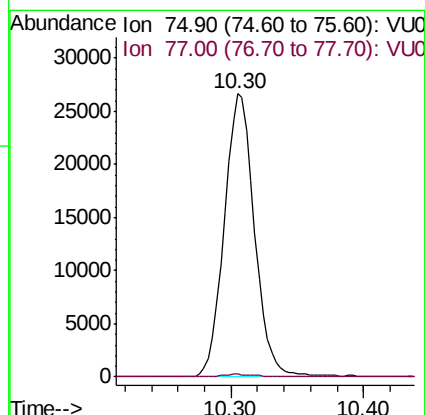
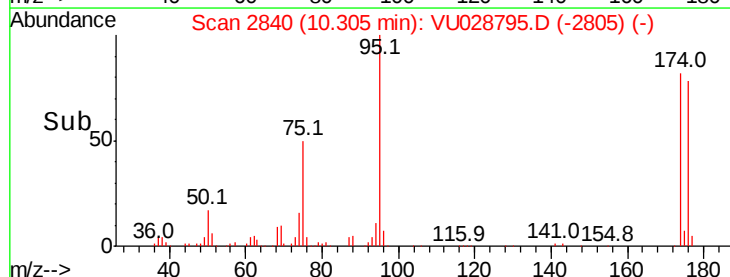
75 100

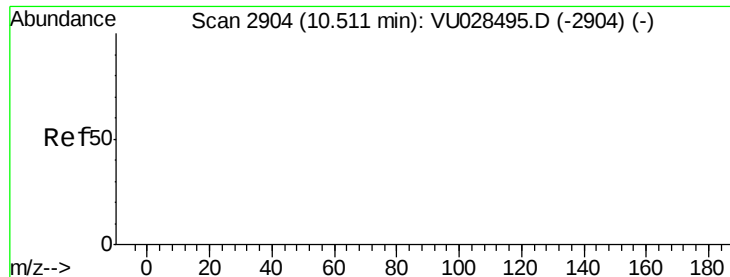
77 0.9 20.8 62.4#



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: 52.328 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU028795.D

Acq: 19 Dec 2018 15:44

Instrument :

MSVOA_U

ClientSampleId :

SA.MW130I-20181208

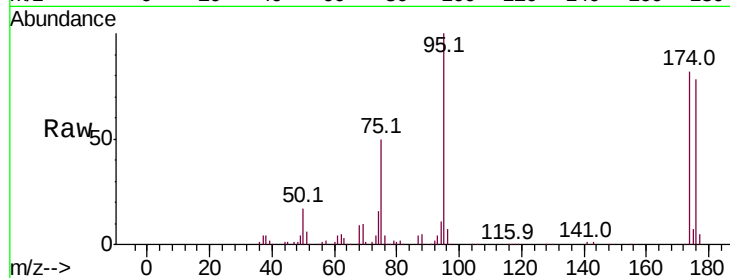
Tot Ion: 75 Resp: 42119

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

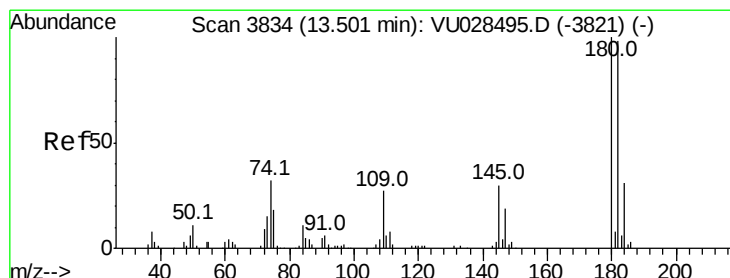
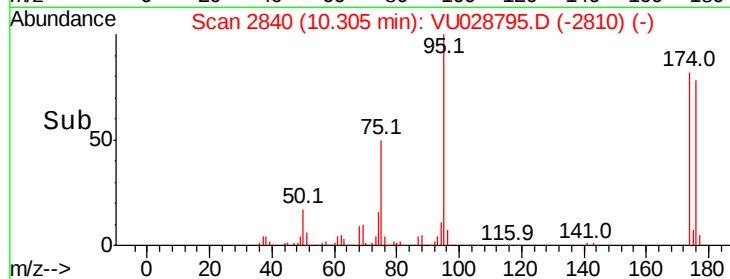
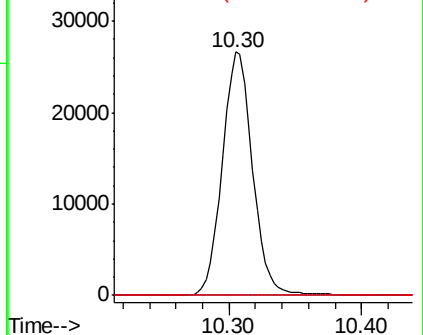
89 0.0 0.0 0.0



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



#93

1,2,4-Trichlorobenzene

Concen: 0.882 ug/l

RT: 13.55 min Scan# 3850

Delta R.T. 0.05 min

Lab File: VU028795.D

Acq: 19 Dec 2018 15:44

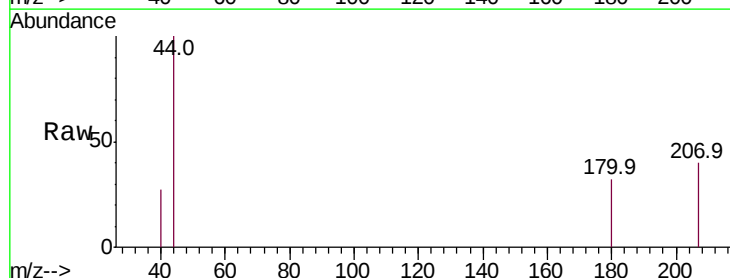
Tgt Ion:180 Resp: 71

Ion Ratio Lower Upper

180 100

182 0.0 47.9 143.8#

145 0.0 15.0 45.1#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

