

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121918\
 Data File : VU028796.D
 Acq On : 19 Dec 2018 16:09
 Operator : MD/SY
 Sample : J6408-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SA.PZ139I-20181208

Quant Time: Dec 20 03:21:24 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	121487	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	207365	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	187590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	73667	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	80616	43.48	ug/l	0.00
Spiked Amount			Recovery	=	86.96%	
35) Dibromofluoromethane	4.88	113	67205	51.50	ug/l	0.00
Spiked Amount			Recovery	=	103.00%	
50) Toluene-d8	7.57	98	260819	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	
62) 4-Bromofluorobenzene	10.30	95	82725	42.88	ug/l	0.00
Spiked Amount			Recovery	=	85.76%	

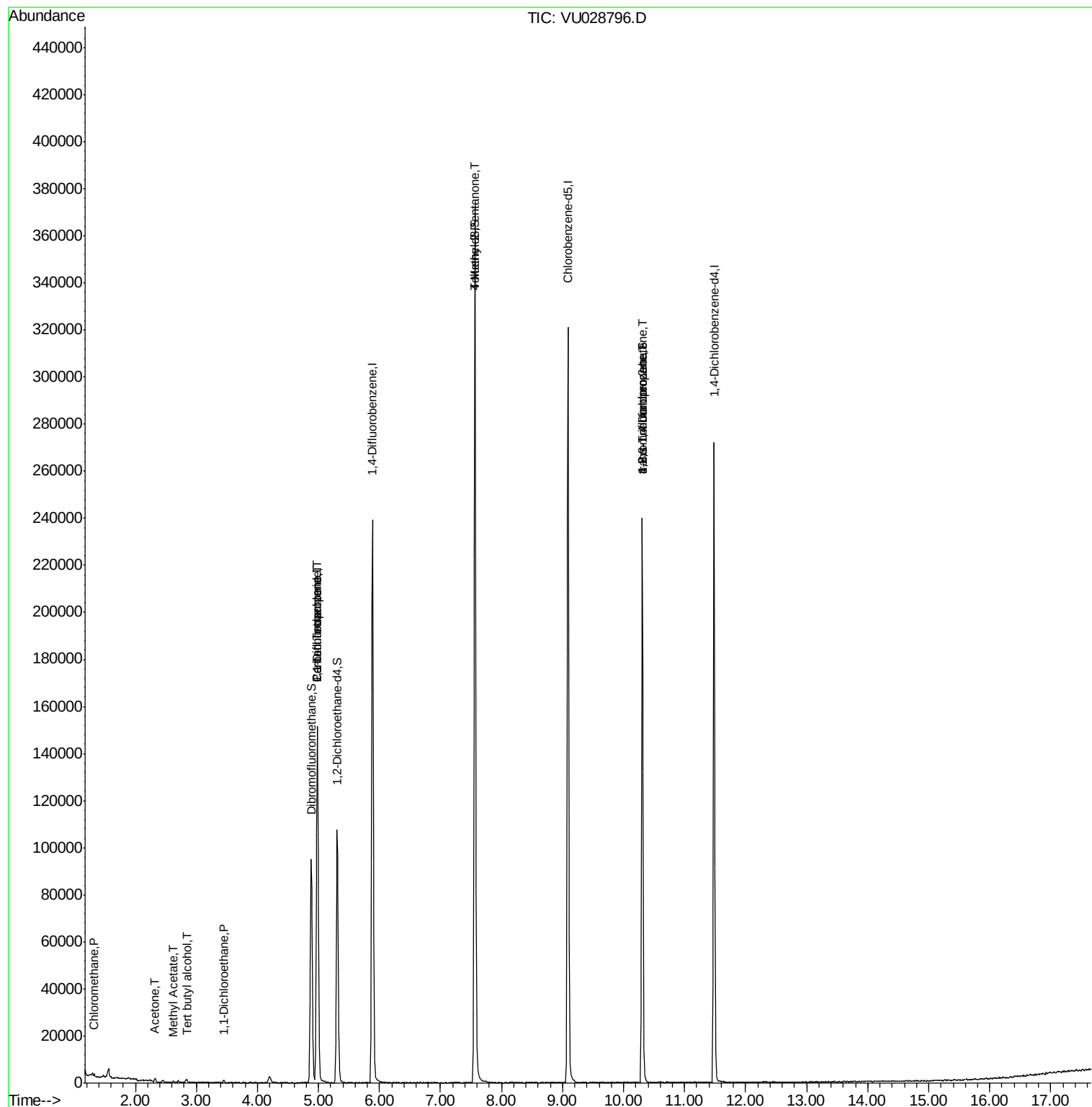
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1165	0.389	ug/l	90
11) Tert butyl alcohol	2.84	59	929	2.249	ug/l #	73
16) Acetone	2.32	43	1965	1.624	ug/l	95
18) Methyl Acetate	2.62	43	806	0.257	ug/l #	56
24) 1,1-Dichloroethane	3.45	63	1584	0.486	ug/l #	85
31) Cyclohexane	4.98	56	2240	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	8915	3.929	ug/l #	50
38) Carbon Tetrachloride	4.98	117	10622	5.808	ug/l #	16
51) 4-Methyl-2-Pentanone	7.56	43	816	0.279	ug/l #	1
76) 1,2,3-Trichloropropane	10.30	75	39530	21.014	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.30	75	39530	51.650	ug/l #	100

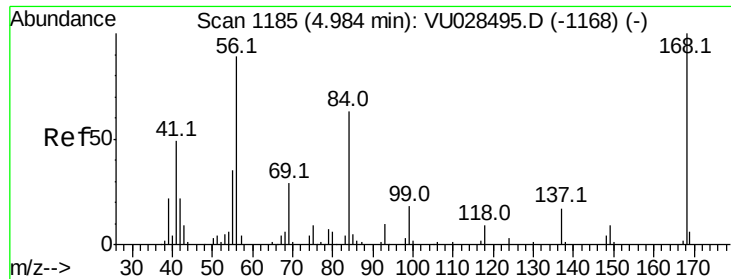
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028796.D

Acq: 19 Dec 2018 16:09

Instrument :

MSVOA_U

ClientSampleId :

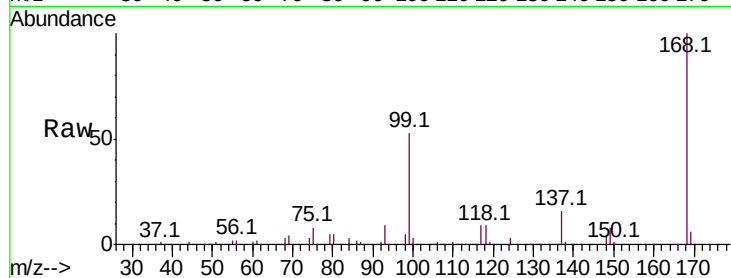
SA.PZ139I-20181208

Tot Ion:168 Resp: 121487

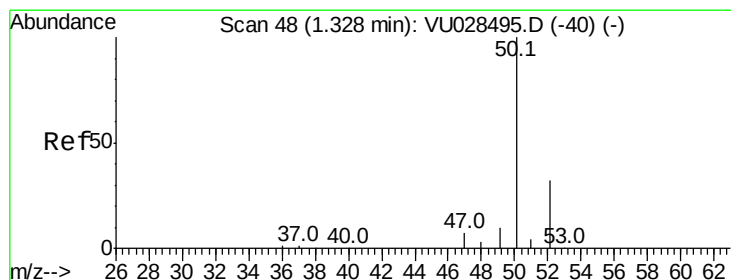
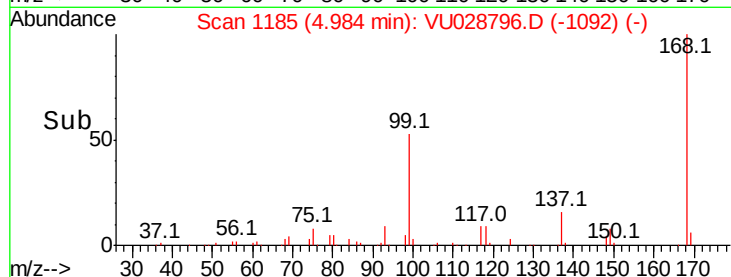
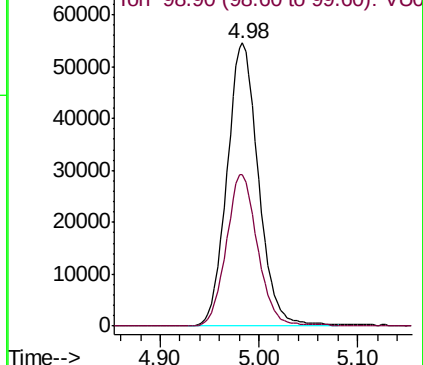
Ion Ratio Lower Upper

168 100

99 53.4 46.6 69.8



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



#3

Chloromethane

Concen: 0.389 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028796.D

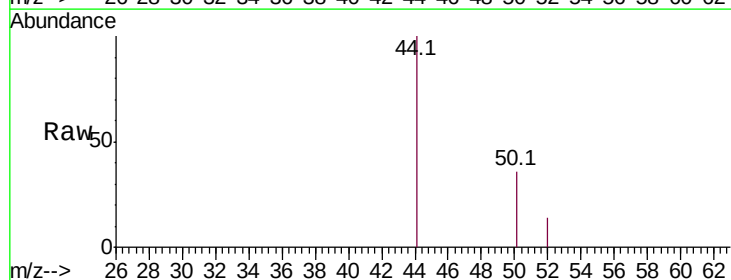
Acq: 19 Dec 2018 16:09

Tgt Ion: 50 Resp: 1165

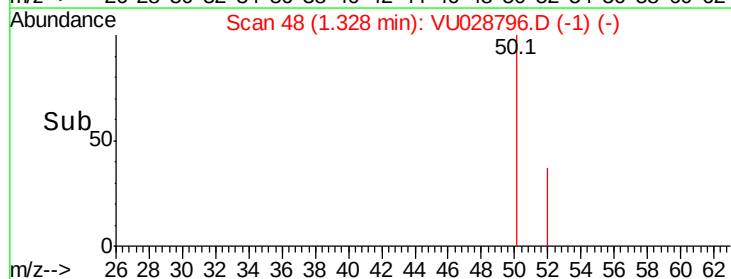
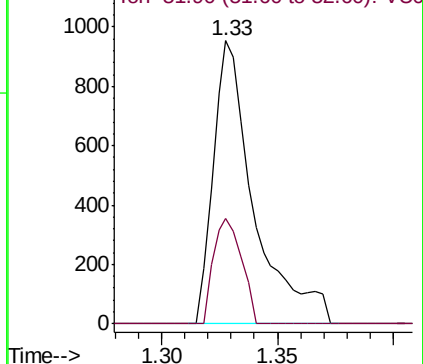
Ion Ratio Lower Upper

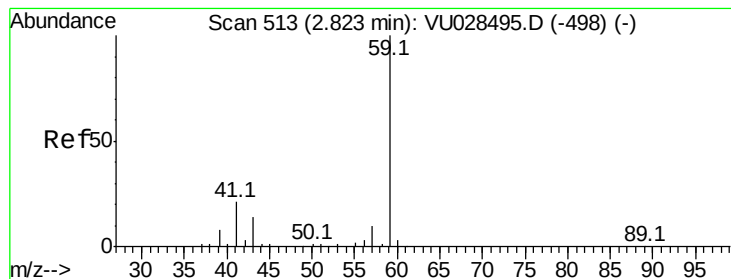
50 100

52 37.3 25.5 38.3



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





#11

Tert butyl alcohol

Concen: 2.249 ug/l

RT: 2.84 min Scan# 519

Delta R.T. 0.02 min

Lab File: VU028796.D

Acq: 19 Dec 2018 16:09

Instrument :

MSVOA_U

ClientSampleId :

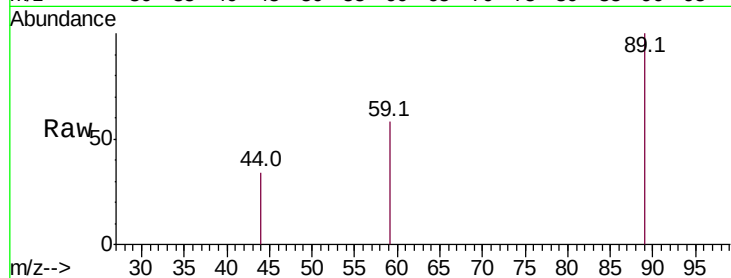
SA.PZ139I-20181208

Tot Ion: 59 Resp: 929

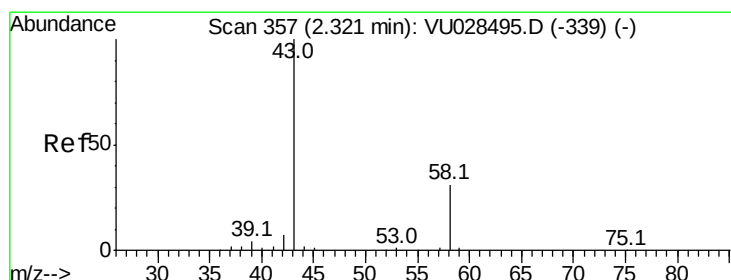
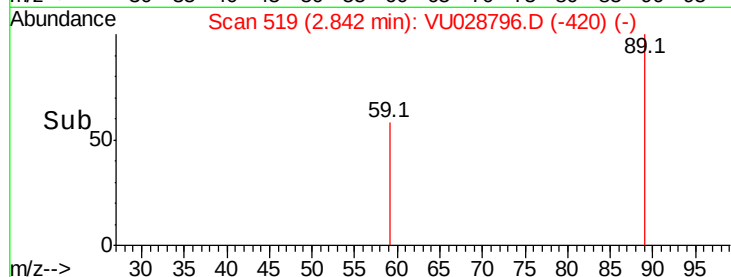
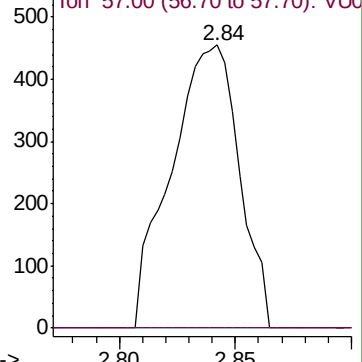
Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VU028796.D (-420) (-)



#16

Acetone

Concen: 1.624 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028796.D

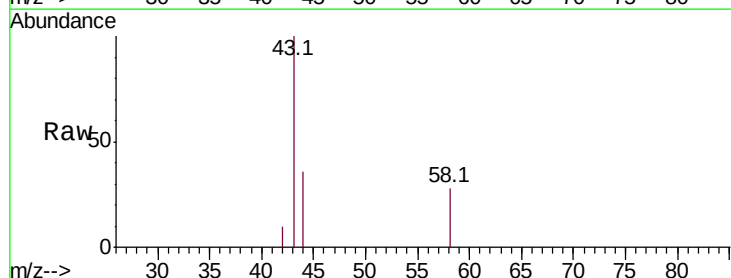
Acq: 19 Dec 2018 16:09

Tgt Ion: 43 Resp: 1965

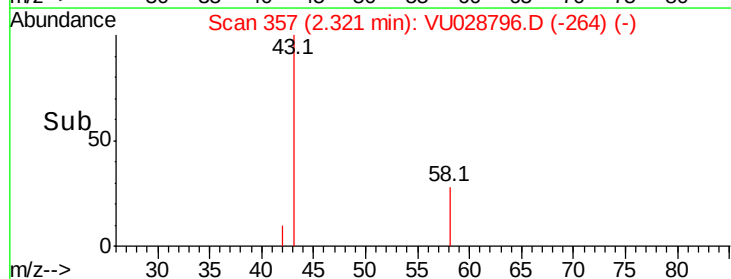
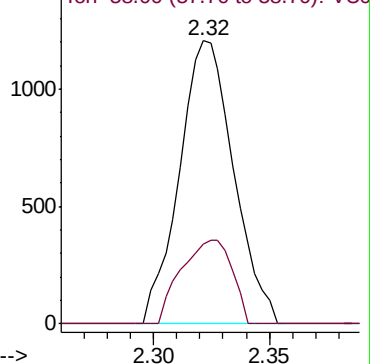
Ion Ratio Lower Upper

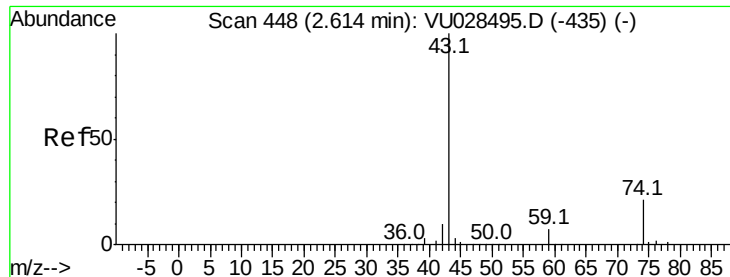
43 100

58 28.0 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU028796.D (-264) (-)

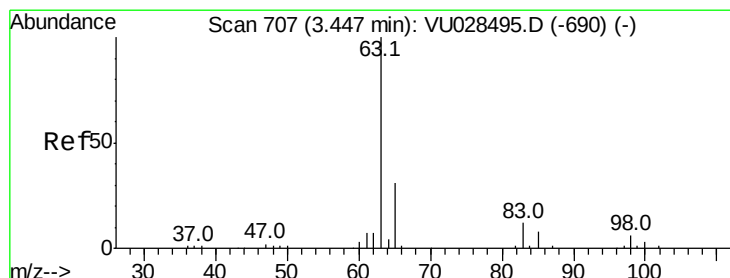
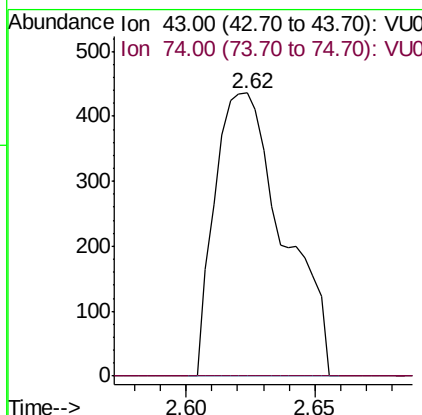
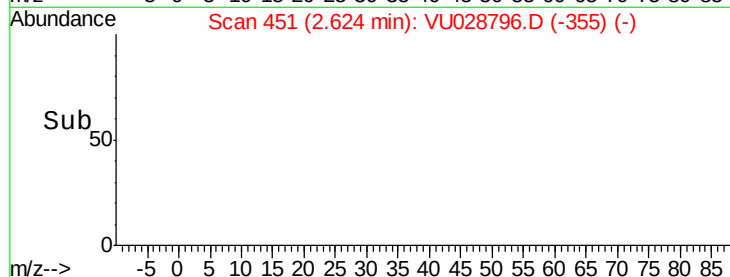
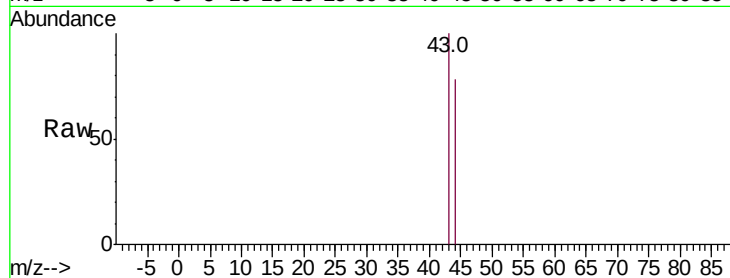




#18
Methvl Acetate
Concen: 0.257 ug/l
RT: 2.62 min Scan# 451
Delta R.T. 0.01 min
Lab File: VU028796.D
Acq: 19 Dec 2018 16:09

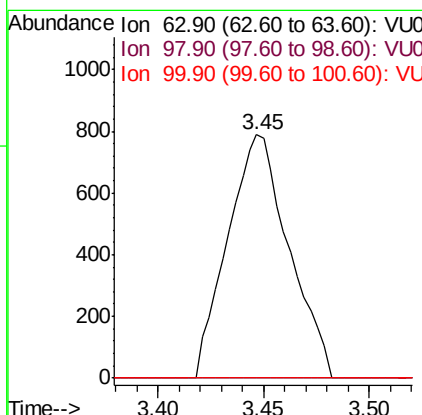
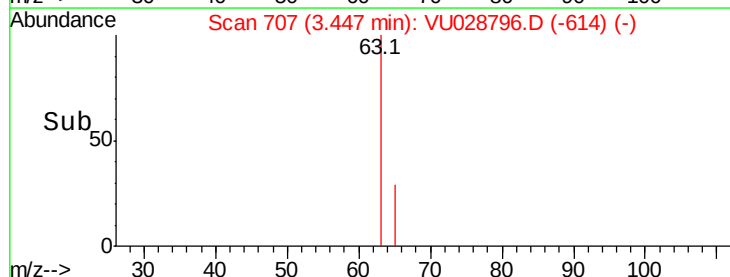
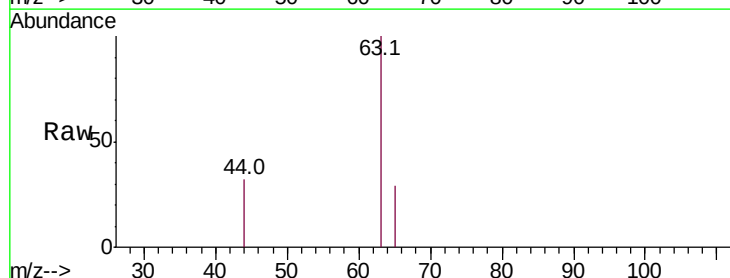
Instrument :
MSVOA_U
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SA.PZ139I-20181208

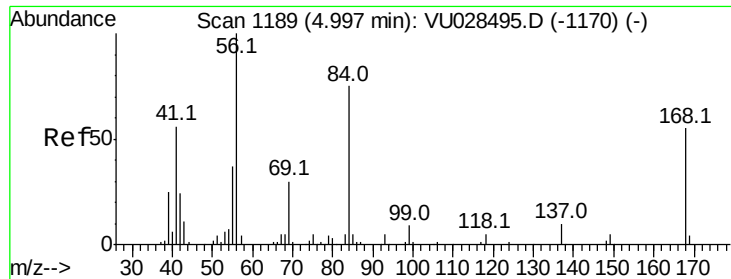
Tot Ion: 43 Resp: 806
Ion Ratio Lower Upper
43 100
74 0.0 16.4 24.6#



#24
1,1-Dichloroethane
Concen: 0.486 ug/l
RT: 3.45 min Scan# 707
Delta R.T. -0.00 min
Lab File: VU028796.D
Acq: 19 Dec 2018 16:09

Tgt Ion: 63 Resp: 1584
Ion Ratio Lower Upper
63 100
98 0.0 3.0 9.2#
100 0.0 1.7 5.1#

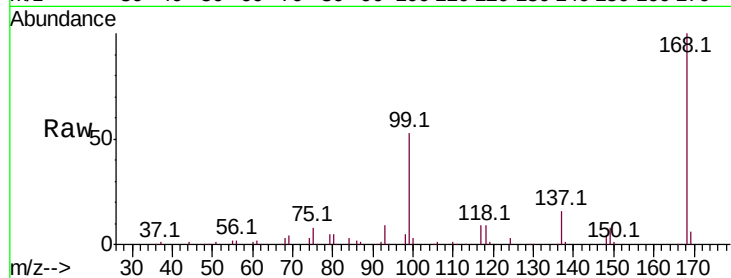




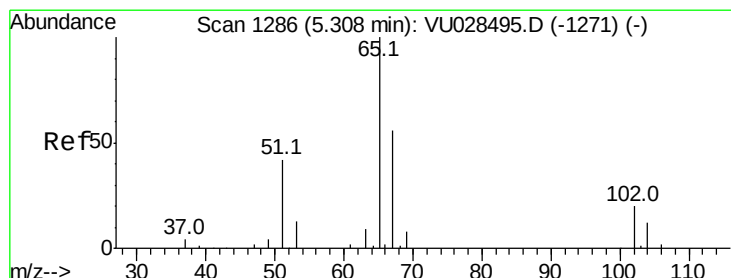
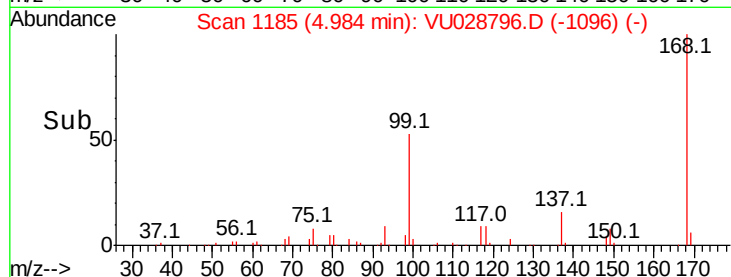
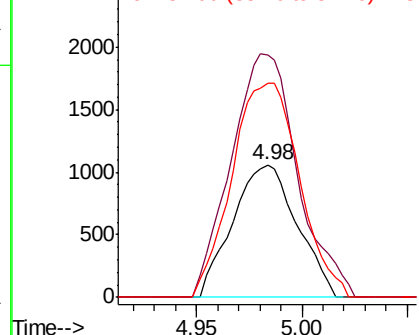
#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU028796.D
Acq: 19 Dec 2018 16:09

Instrument :
MSVOA_U
ClientSampleId :
SA.PZ139I-20181208

Tot Ion: 56 Resp: 2240
Ion Ratio Lower Upper
56 100
69 183.0 24.0 36.0#
84 161.6 59.7 89.5#

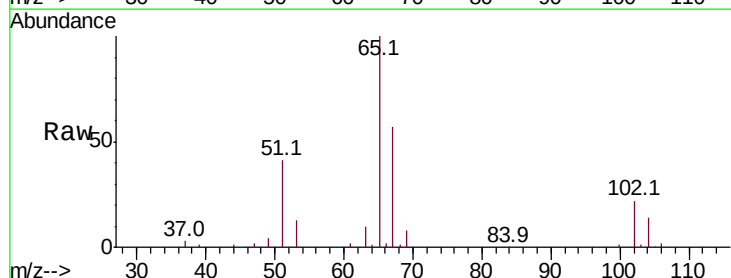


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

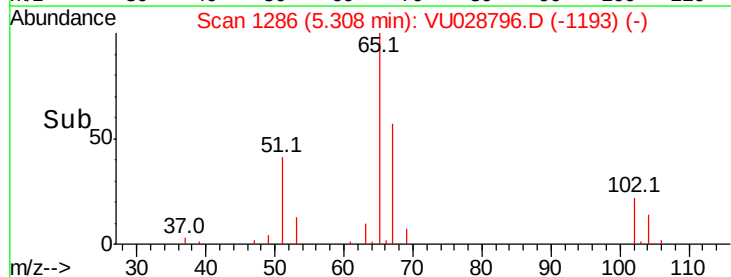
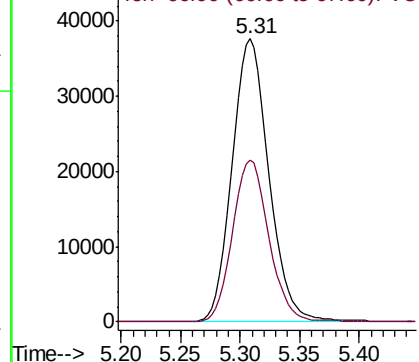


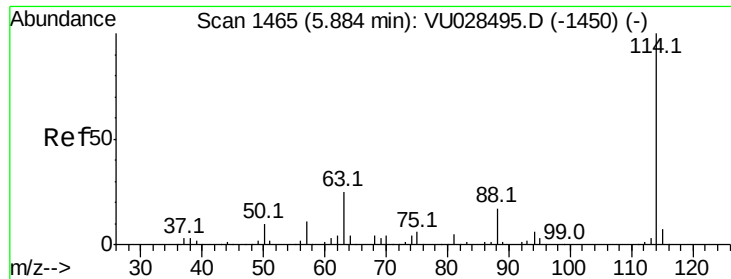
#33
1,2-Dichloroethane-d4
Concen: 43.483 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. -0.00 min
Lab File: VU028796.D
Acq: 19 Dec 2018 16:09

Tgt Ion: 65 Resp: 80616
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

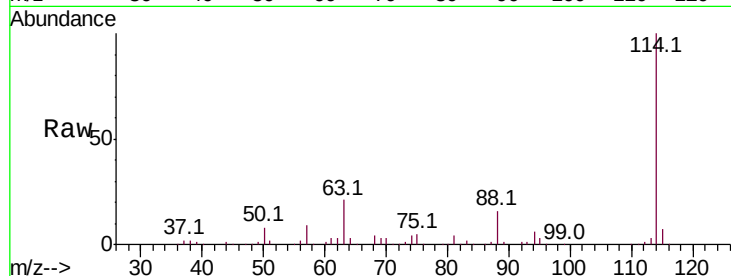




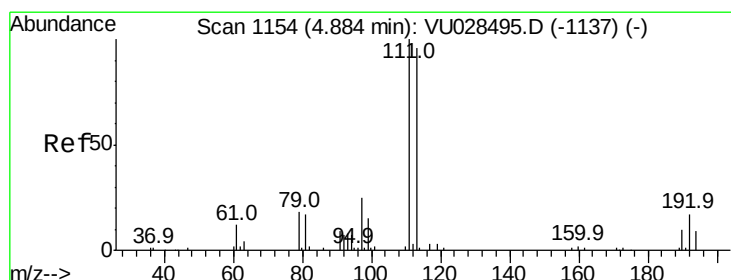
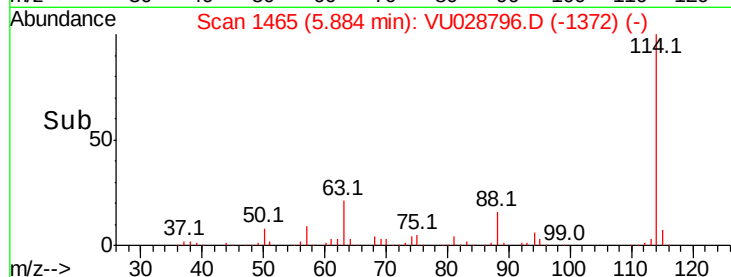
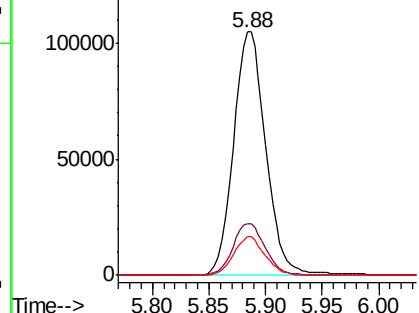
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028796.D
 Acq: 19 Dec 2018 16:09

Instrument :
 MSVOA_U
 ClientSampleId :
 SA.PZ139I-20181208

Tot Ion:	114	Resp:	207365
Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	49.2
88	15.9	0.0	33.4

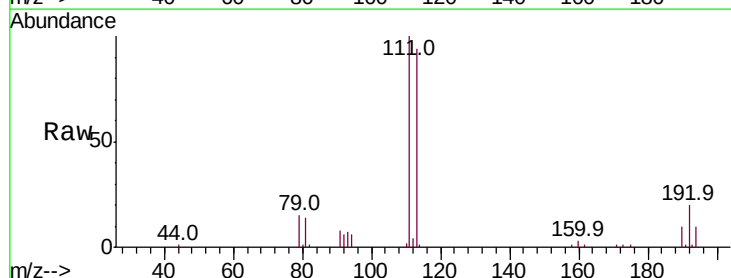


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

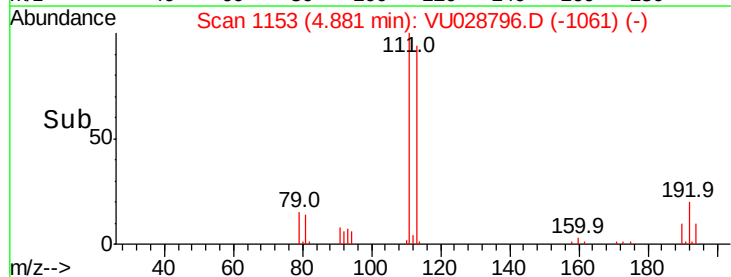
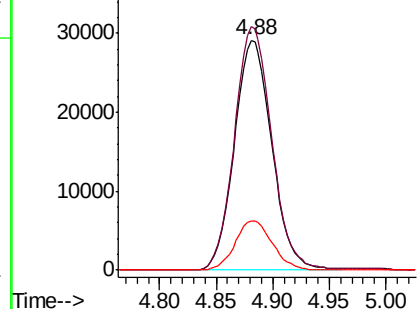


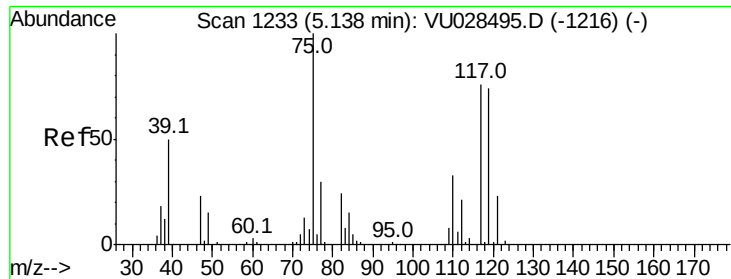
#35
 Dibromofluoromethane
 Concen: 51.500 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028796.D
 Acq: 19 Dec 2018 16:09

Tgt Ion:	113	Resp:	67205
Ion	Ratio	Lower	Upper
113	100		
111	105.2	83.4	125.0
192	21.1	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: 3.929 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028796.D

Acq: 19 Dec 2018 16:09

Instrument :

MSVOA_U

ClientSampleId :

SA.PZ139I-20181208

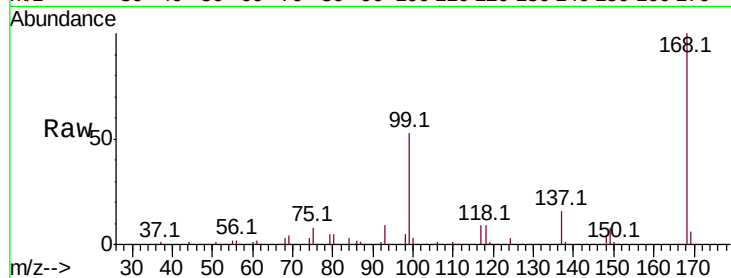
Tot Ion: 75 Resp: 8915

Ion Ratio Lower Upper

75 100

110 7.3 16.1 48.2#

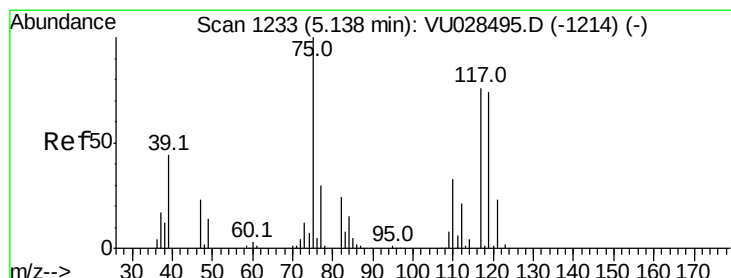
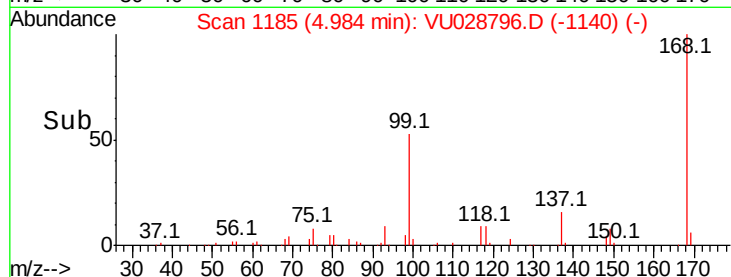
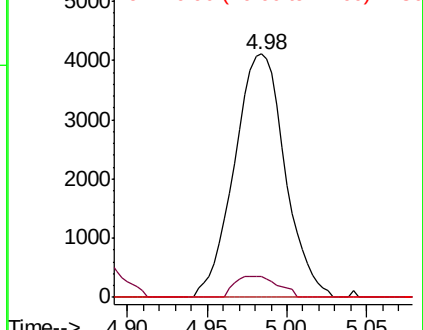
77 0.0 24.5 36.7#



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: 5.808 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.16 min

Lab File: VU028796.D

Acq: 19 Dec 2018 16:09

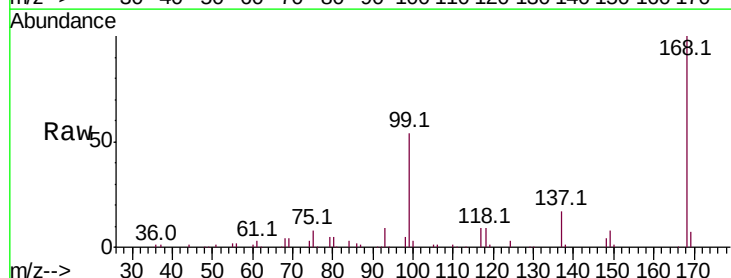
Tgt Ion: 117 Resp: 10622

Ion Ratio Lower Upper

117 100

119 5.5 77.6 116.4#

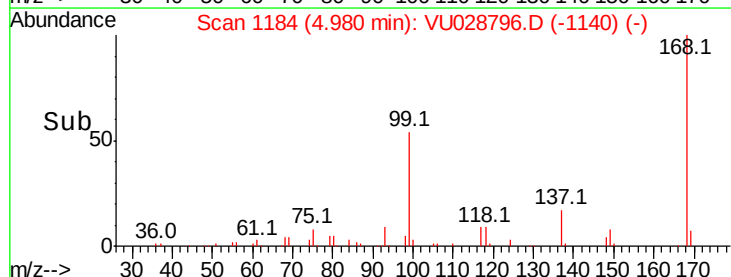
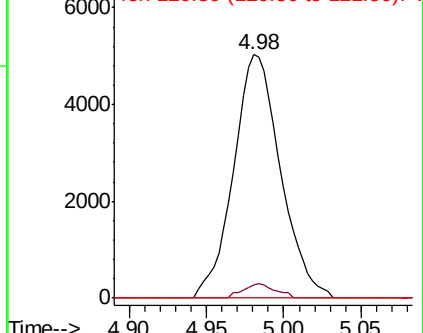
121 0.0 24.6 36.8#

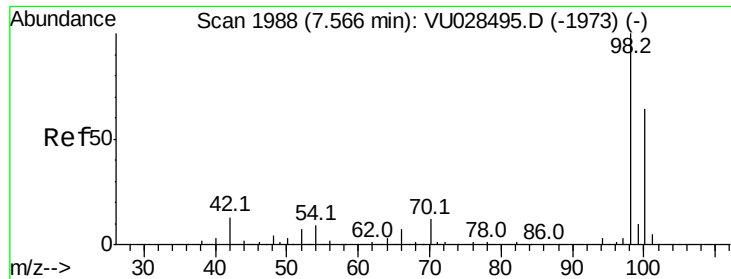


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 50.525 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028796.D

Acq: 19 Dec 2018 16:09

Instrument :

MSVOA_U

ClientSampleId :

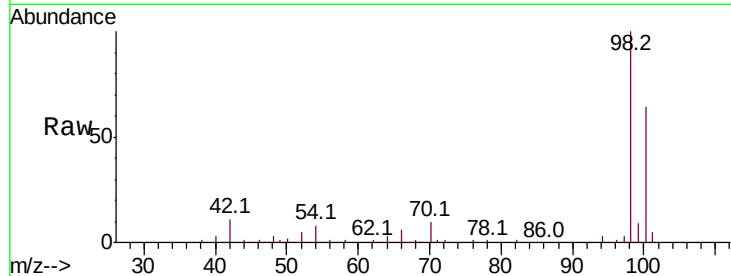
SA.PZ139I-20181208

Tot Ion: 98 Resp: 260819

Ion Ratio Lower Upper

98 100

100 63.8 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) (-)

7.57

150000

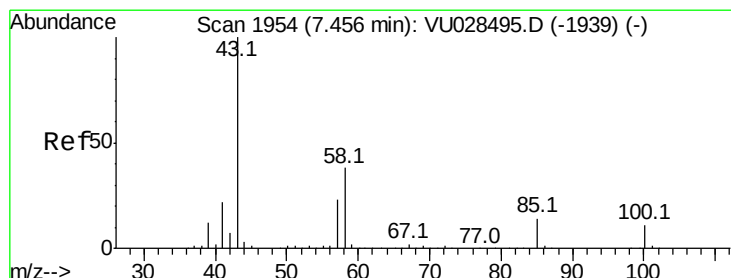
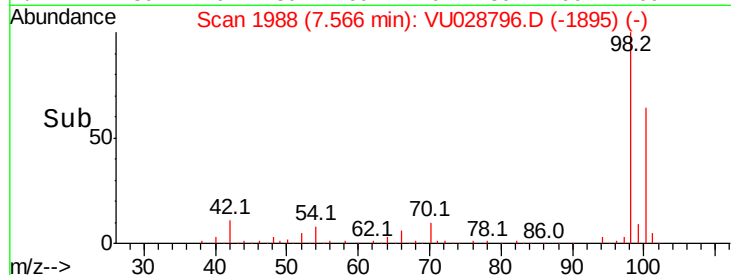
100000

50000

0

7.50 7.55 7.60 7.65 7.70

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.279 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. 0.11 min

Lab File: VU028796.D

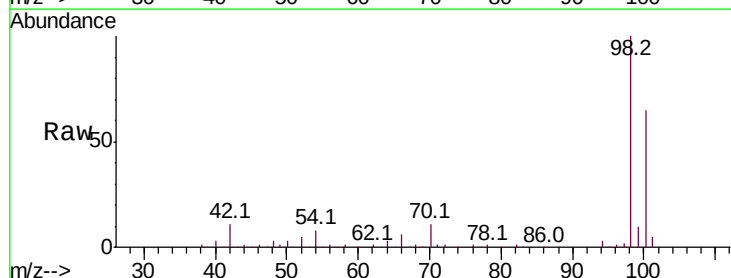
Acq: 19 Dec 2018 16:09

Tgt Ion: 43 Resp: 816

Ion Ratio Lower Upper

43 100

58 227.5 30.2 45.2#



Abundance Ion 43.00 (42.70 to 43.70): VU028796.D (-1861) (-)

Ion 58.00 (57.70 to 58.70): VU028796.D (-1861) (-)

7.56

1200

1000

800

600

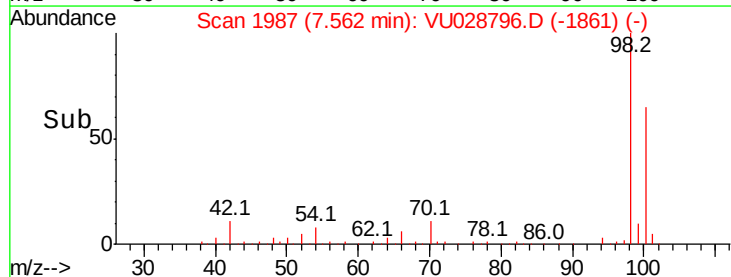
400

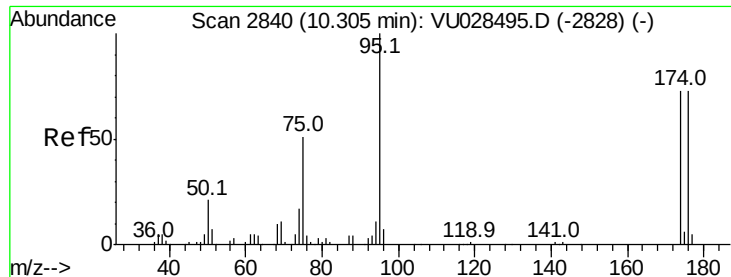
200

0

7.52 7.54 7.56 7.58 7.60

Time-->





#62

4-Bromofluorobenzene

Concen: 42.875 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028796.D

Acq: 19 Dec 2018 16:09

Instrument :

MSVOA_U

ClientSampleId :

SA.PZ139I-20181208

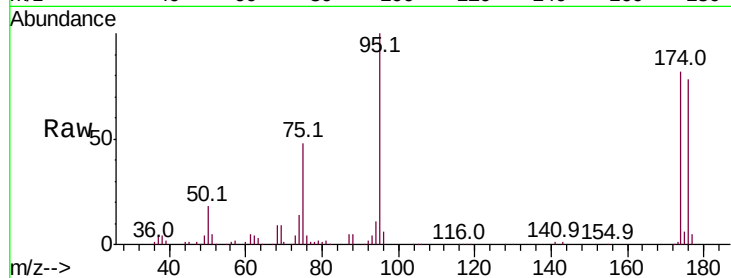
Tot Ion: 95 Resp: 82725

Ion Ratio Lower Upper

95 100

174 81.7 0.0 150.4

176 78.5 0.0 145.2

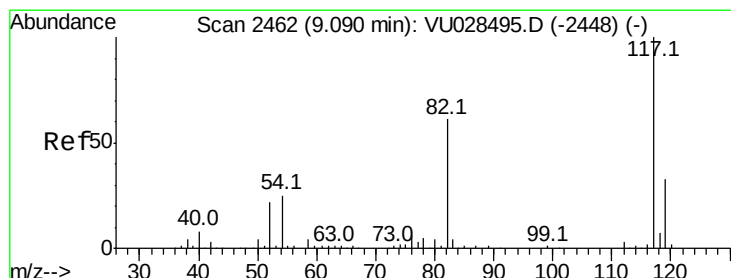
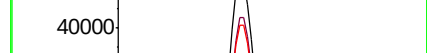
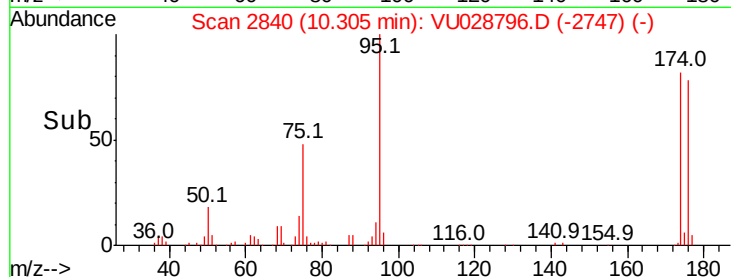


Abundance Ion 94.90 (94.60 to 95.60): VU028495.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU028495.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU028495.D (-2828) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VU028796.D

Acq: 19 Dec 2018 16:09

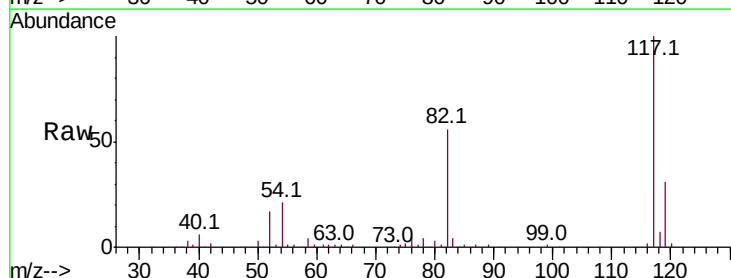
Tgt Ion: 117 Resp: 187590

Ion Ratio Lower Upper

117 100

82 56.2 48.9 73.3

119 31.4 26.2 39.4

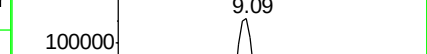
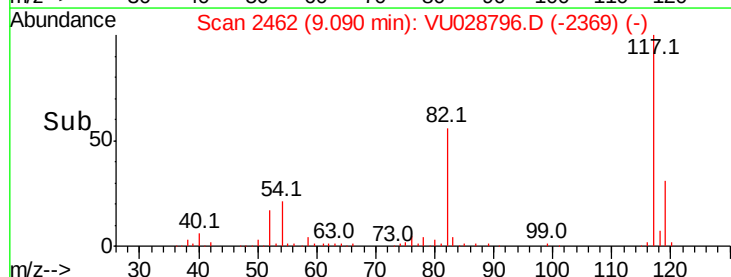


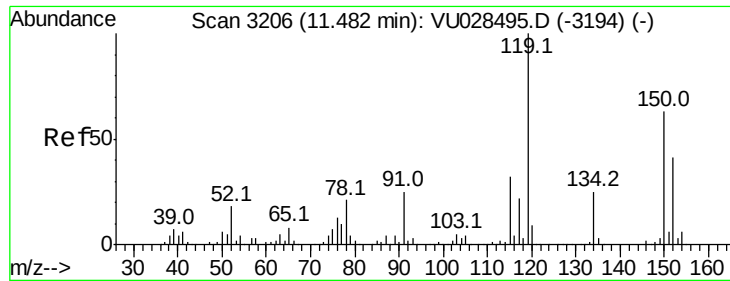
Abundance Ion 116.90 (116.60 to 117.60): VU028495.D (-2448) (-)

Ion 82.00 (81.70 to 82.70): VU028495.D (-2448) (-)

Ion 118.90 (118.60 to 119.60): VU028495.D (-2448) (-)

Time-->

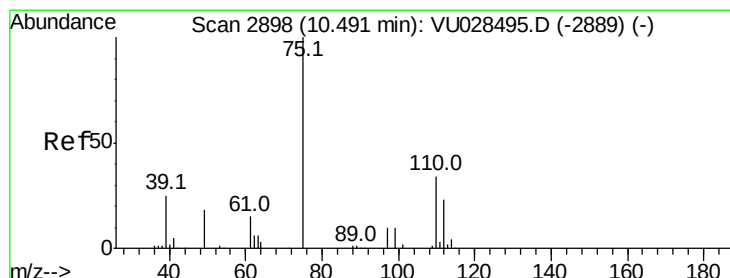
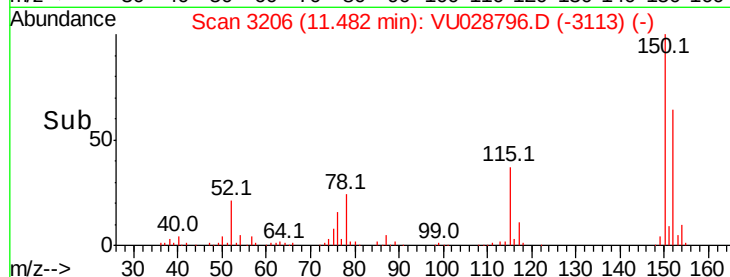
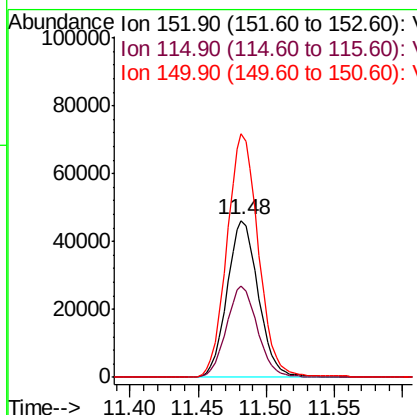
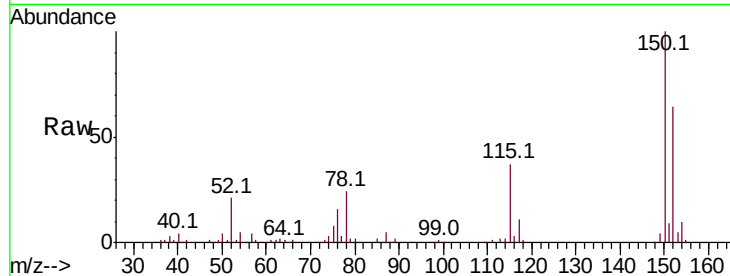




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.48 min Scan# 3206
 Delta R.T. -0.00 min
 Lab File: VU028796.D
 Acq: 19 Dec 2018 16:09

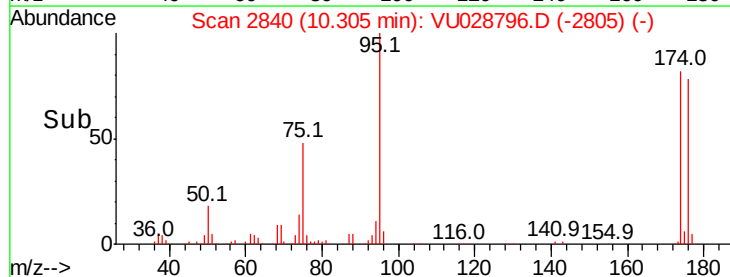
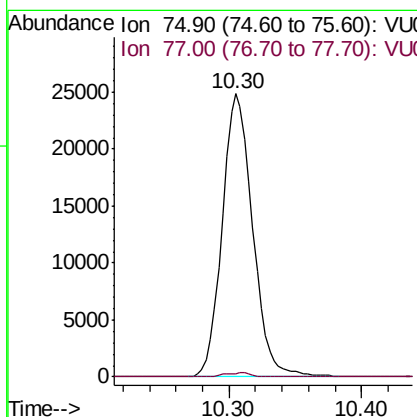
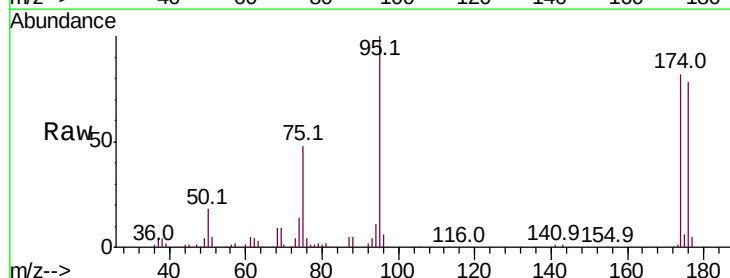
Instrument :
 MSVOA_U
 ClientSampleId :
 SA.PZ139I-20181208

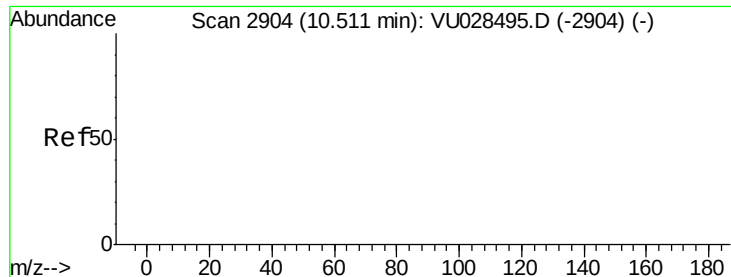
Tot Ion:152 Resp: 73667
 Ion Ratio Lower Upper
 152 100
 115 58.2 42.7 128.1
 150 156.3 0.0 346.0



#76
 1,2,3-Trichloropropane
 Concen: 21.014 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.19 min
 Lab File: VU028796.D
 Acq: 19 Dec 2018 16:09

Tgt Ion: 75 Resp: 39530
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.8 62.4#





#81

trans-1,4-Dichloro-2-butene

Concen: 51.650 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU028796.D

Acq: 19 Dec 2018 16:09

Instrument :

MSVOA_U

ClientSampleId :

SA.PZ139I-20181208

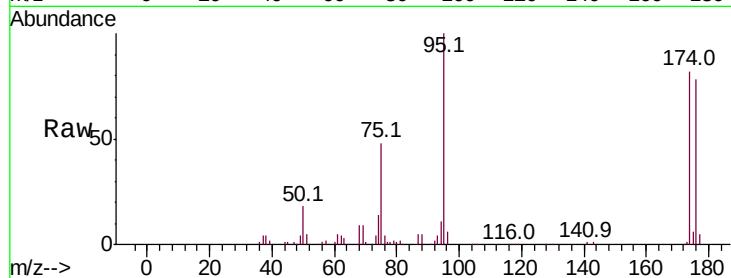
Tot Ion: 75 Resp: 39530

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

