

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121918\
 Data File : VU028786.D
 Acq On : 19 Dec 2018 12:07
 Operator : MD/SY
 Sample : J6449-14
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 FB-2018-12-13

Quant Time: Dec 20 03:19:23 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	128378	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	218024	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	198087	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	78714	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	85267	43.52	ug/l	0.00
Spiked Amount			Recovery	=	87.04%	
35) Dibromofluoromethane	4.88	113	71369	52.02	ug/l	0.00
Spiked Amount			Recovery	=	104.04%	
50) Toluene-d8	7.56	98	274214	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	
62) 4-Bromofluorobenzene	10.30	95	88615	43.68	ug/l	0.00
Spiked Amount			Recovery	=	87.36%	

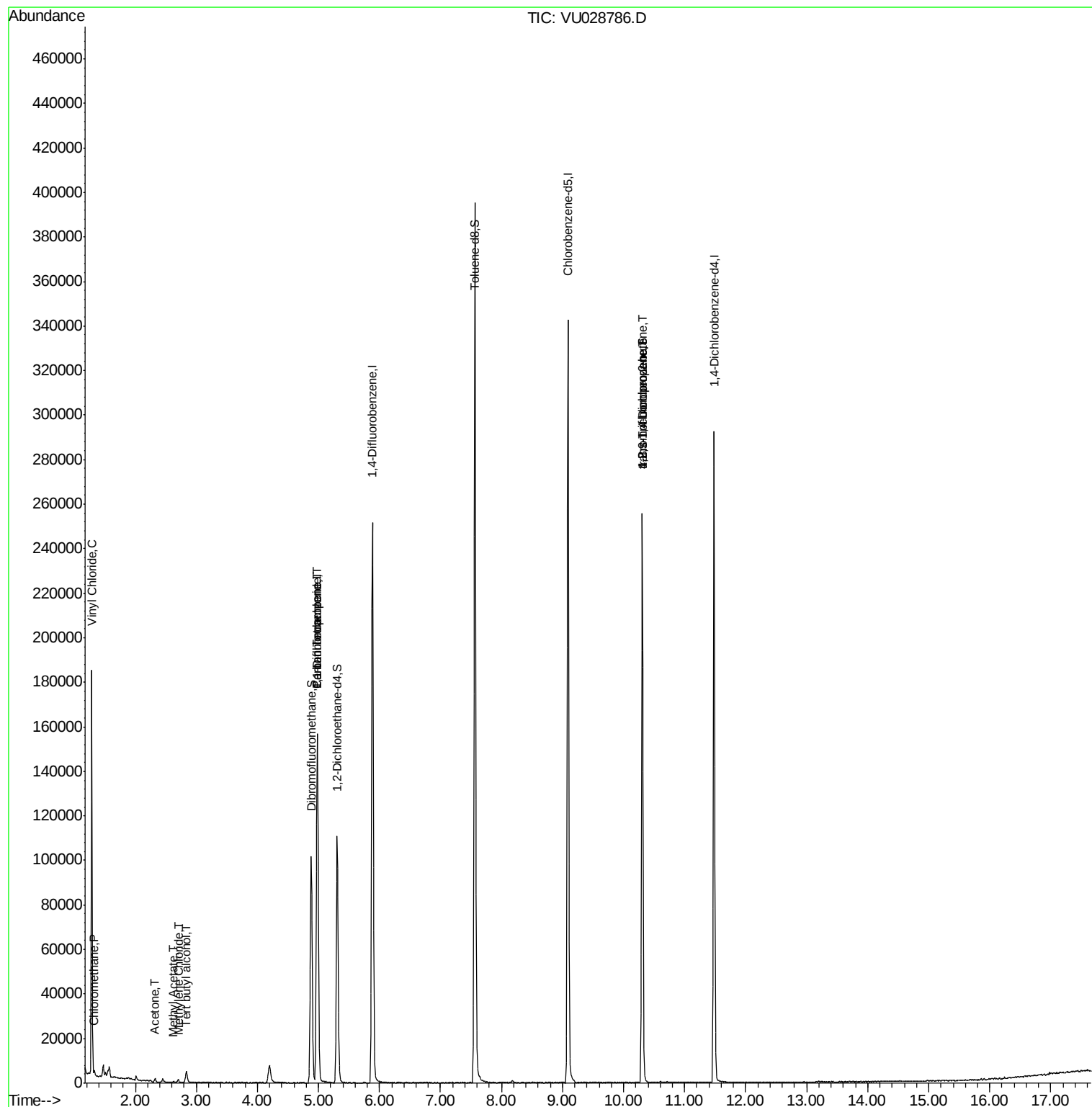
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1717	0.543	ug/l	97
4) Vinyl Chloride	1.29	62	1594	0.698	ug/l #	43
11) Tert butyl alcohol	2.84	59	3197	7.324	ug/l #	73
16) Acetone	2.32	43	1841	1.440	ug/l	95
18) Methyl Acetate	2.62	43	806	0.243	ug/l #	56
20) Methylene Chloride	2.71	84	561	0.298	ug/l #	92
31) Cyclohexane	4.99	56	2351	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	9534	3.996	ug/l #	49
38) Carbon Tetrachloride	4.98	117	11249	5.850	ug/l #	15
76) 1,2,3-Trichloropropane	10.30	75	42374	21.082	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.30	75	42374	51.814	ug/l #	100

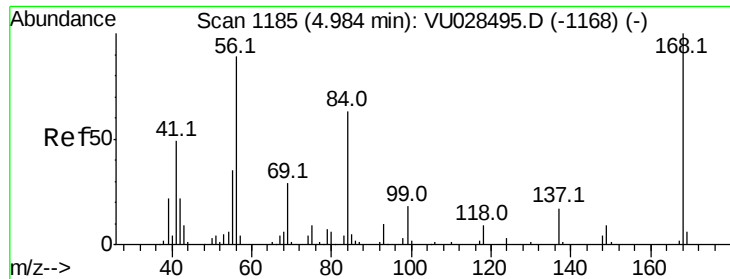
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 20 03:19:23 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
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QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028786.D

Acq: 19 Dec 2018 12:07

Instrument :

MSVOA_U

ClientSampleId :

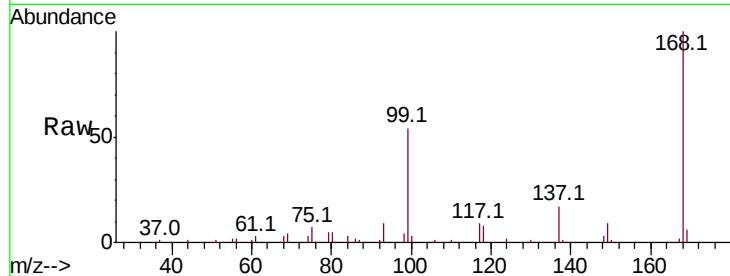
FB-2018-12-13

Tot Ion:168 Resp: 128378

Ion Ratio Lower Upper

168 100

99 53.9 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

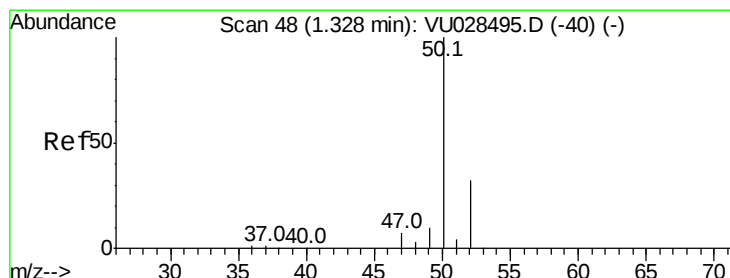
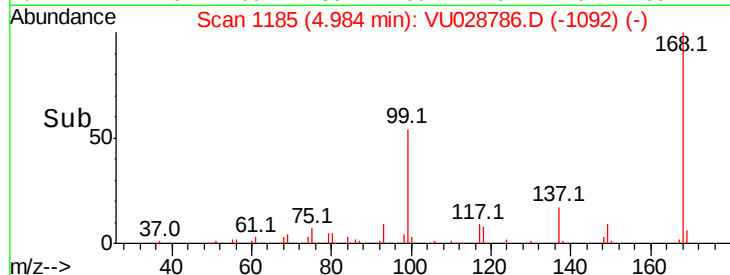
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#3

Chloromethane

Concen: 0.543 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028786.D

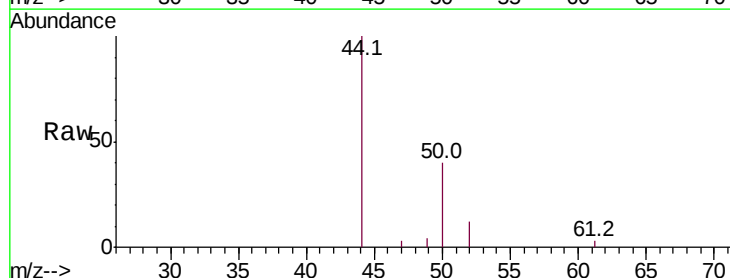
Acq: 19 Dec 2018 12:07

Tgt Ion: 50 Resp: 1717

Ion Ratio Lower Upper

50 100

52 30.5 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

1500

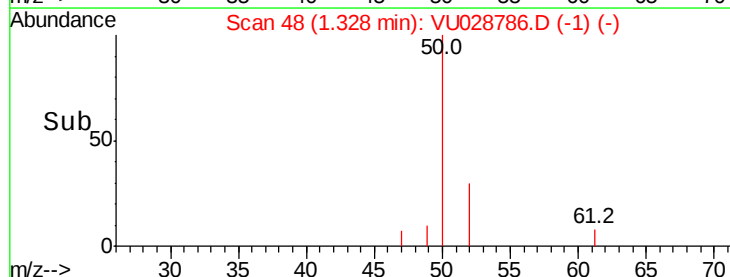
1000

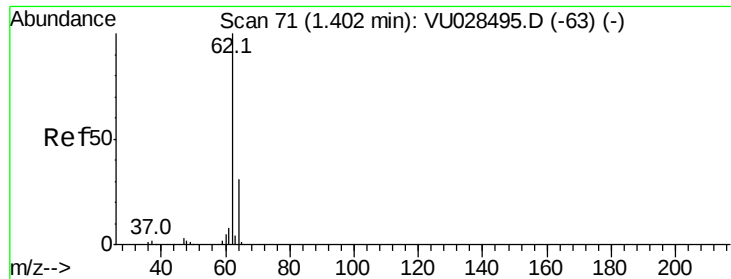
500

0

1.30 1.35

Time-->





#4

Vinyl Chloride

Concen: 0.698 ug/l

RT: 1.29 min Scan# 35

Delta R.T. -0.12 min

Lab File: VU028786.D

Acq: 19 Dec 2018 12:07

Instrument :

MSVOA_U

ClientSampleId :

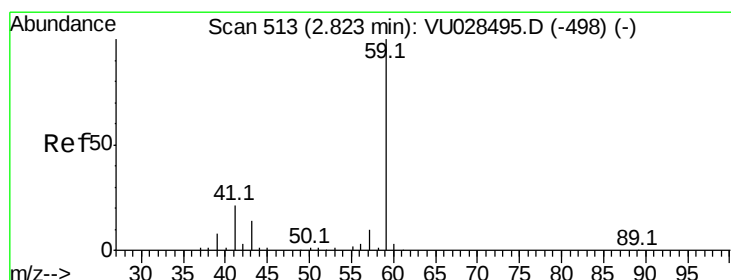
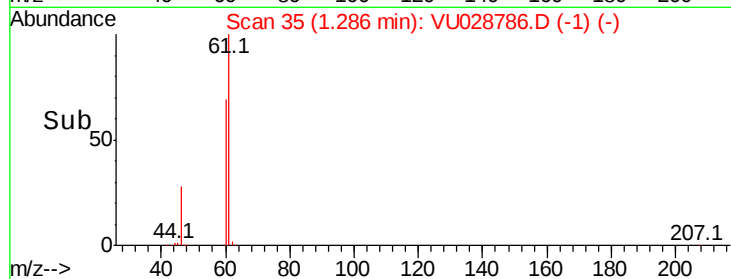
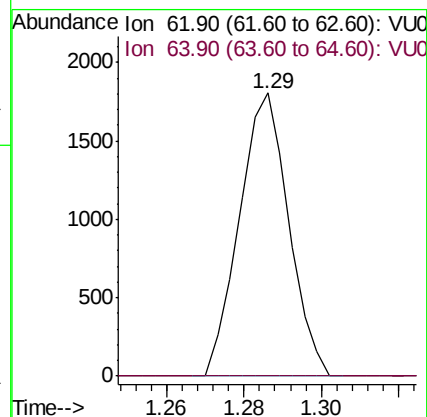
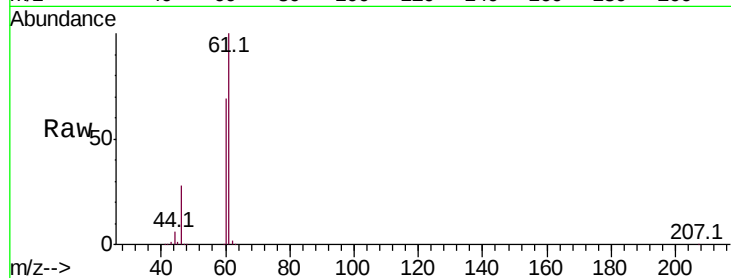
FB-2018-12-13

Tot Ion: 62 Resp: 1594

Ion Ratio Lower Upper

62 100

64 0.0 25.1 37.7#



#11

Tert butyl alcohol

Concen: 7.324 ug/l

RT: 2.84 min Scan# 517

Delta R.T. 0.01 min

Lab File: VU028786.D

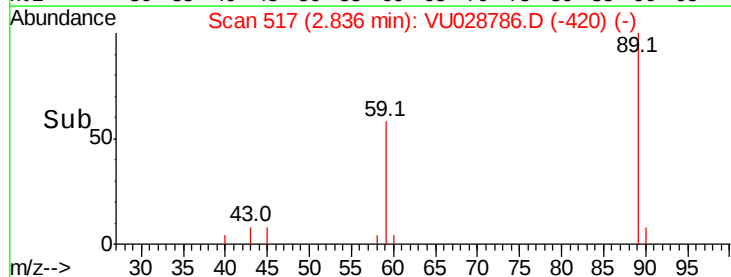
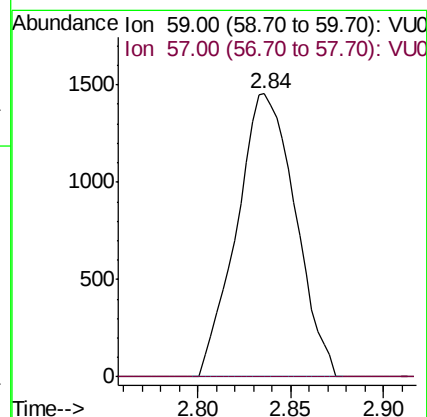
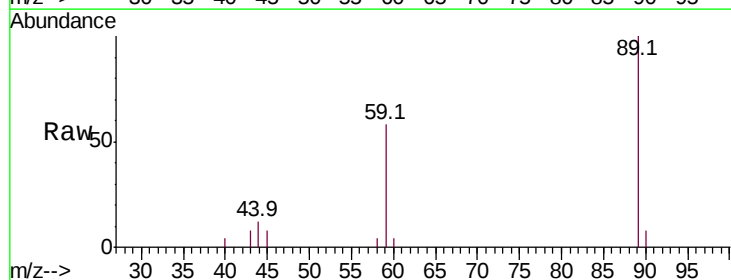
Acq: 19 Dec 2018 12:07

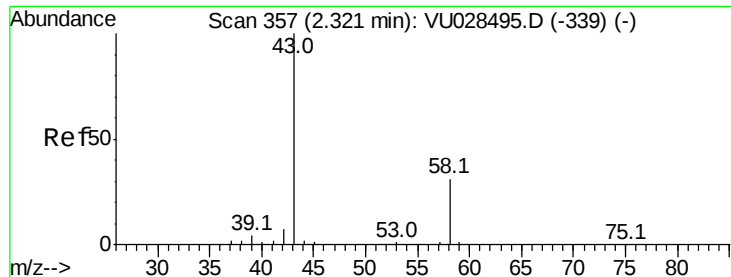
Tgt Ion: 59 Resp: 3197

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#





#16

Acetone

Concen: 1.440 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028786.D

Acq: 19 Dec 2018 12:07

Instrument :

MSVOA_U

ClientSampleId :

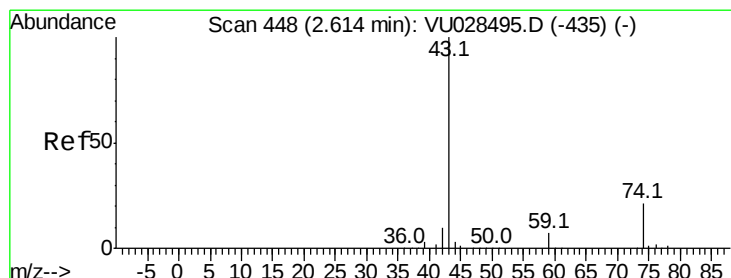
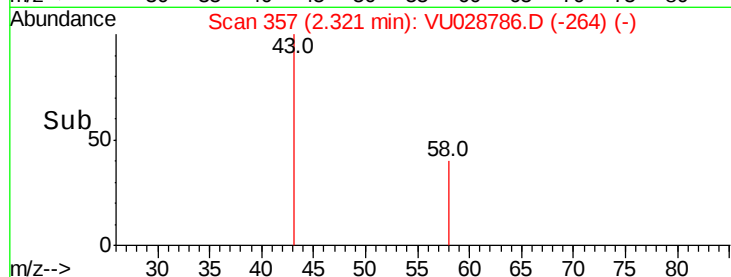
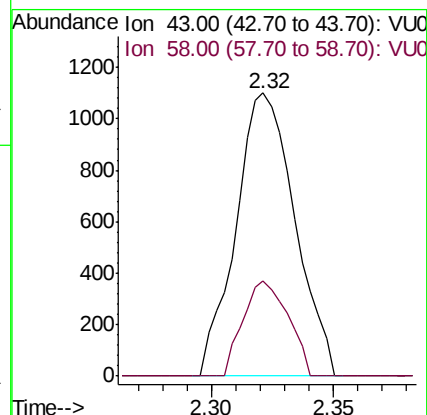
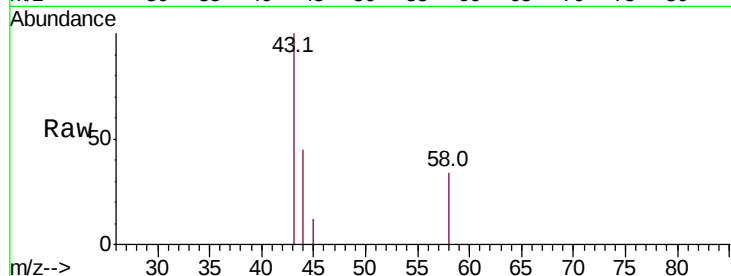
FB-2018-12-13

Tot Ion: 43 Resp: 1841

Ion Ratio Lower Upper

43 100

58 33.7 24.6 37.0



#18

Methyl Acetate

Concen: 0.243 ug/l

RT: 2.62 min Scan# 449

Delta R.T. 0.00 min

Lab File: VU028786.D

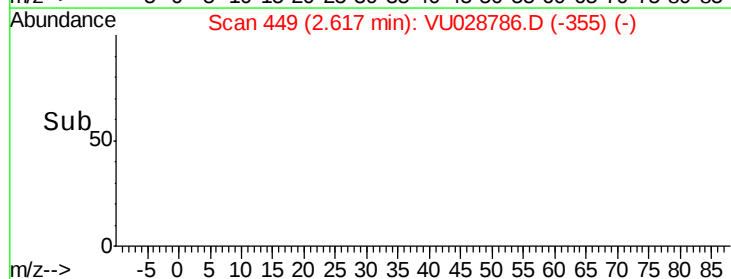
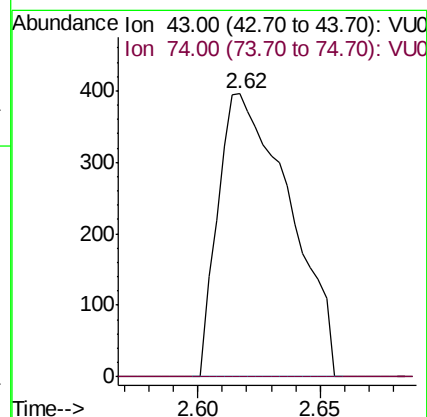
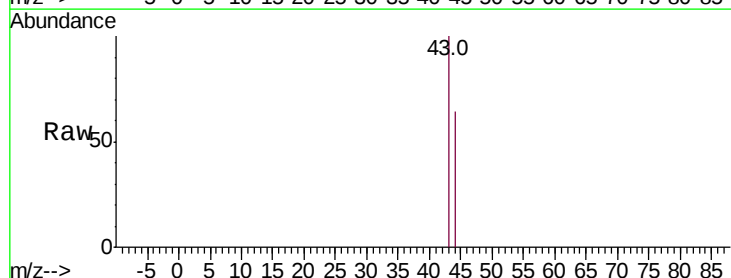
Acq: 19 Dec 2018 12:07

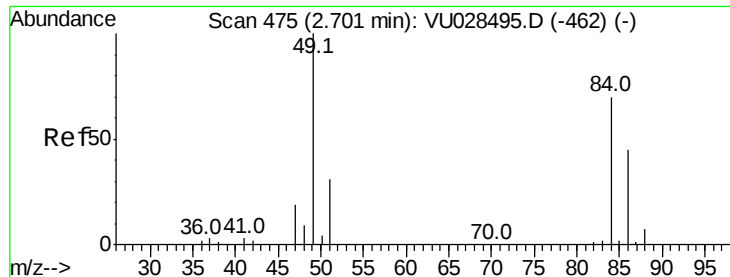
Tgt Ion: 43 Resp: 806

Ion Ratio Lower Upper

43 100

74 0.0 16.4 24.6#





#20

Methvlene Chloride

Concen: 0.298 ug/l

RT: 2.71 min Scan# 477

Delta R.T. 0.01 min

Lab File: VU028786.D

Acq: 19 Dec 2018 12:07

Instrument :

MSVOA_U

ClientSampleId :

FB-2018-12-13

Tot Ion: 84 Resp: 561

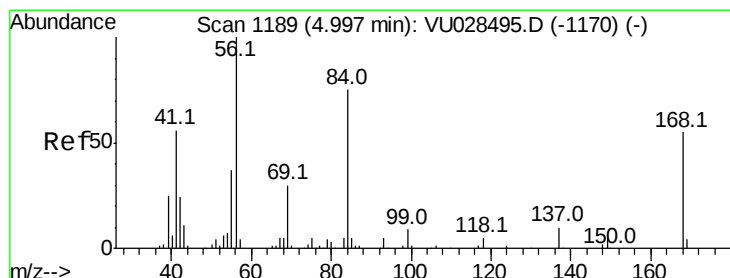
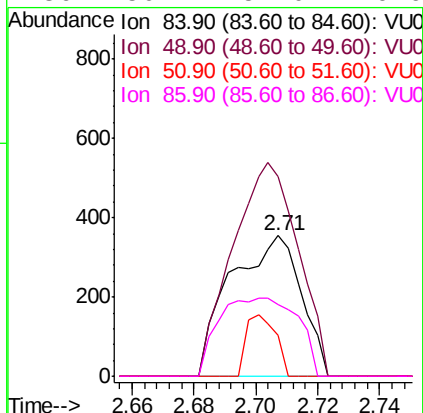
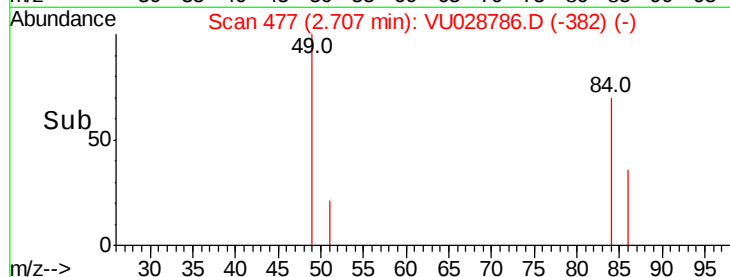
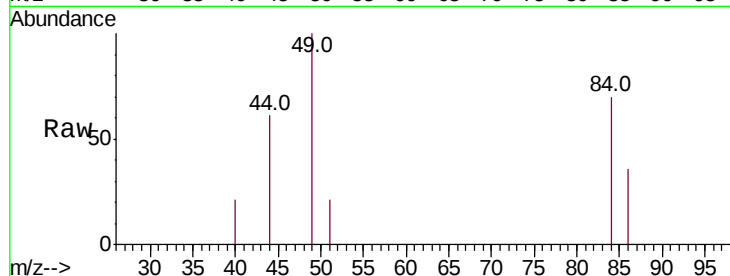
Ion Ratio Lower Upper

84 100

49 142.3 114.0 171.0

51 29.6 35.1 52.7#

86 50.7 51.0 76.6#



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1186

Delta R.T. -0.01 min

Lab File: VU028786.D

Acq: 19 Dec 2018 12:07

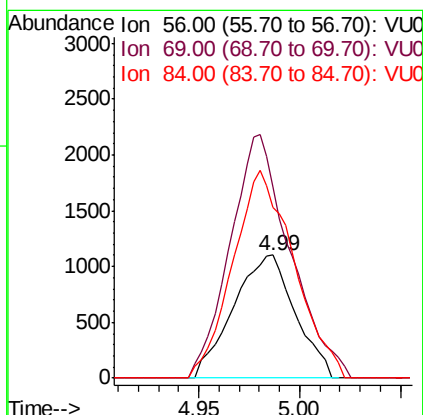
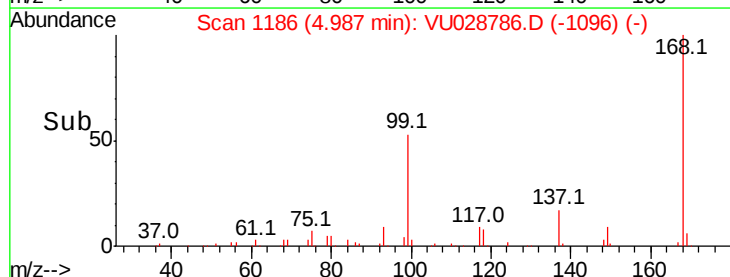
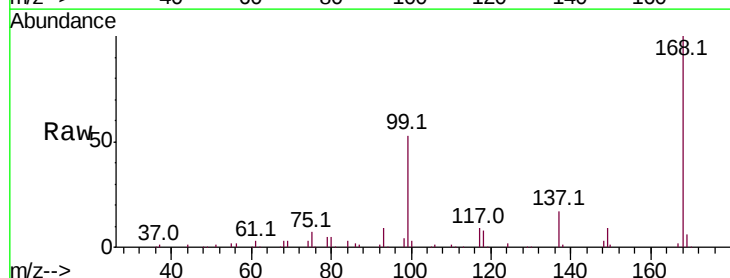
Tgt Ion: 56 Resp: 2351

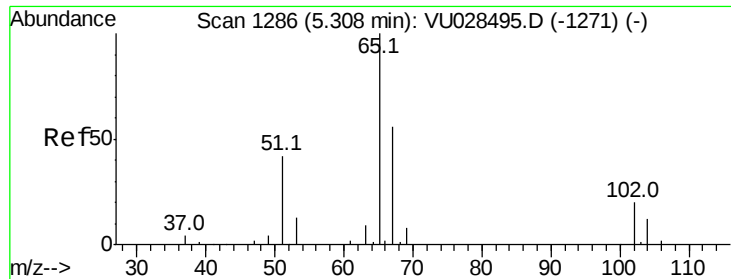
Ion Ratio Lower Upper

56 100

69 155.2 24.0 36.0#

84 139.3 59.7 89.5#

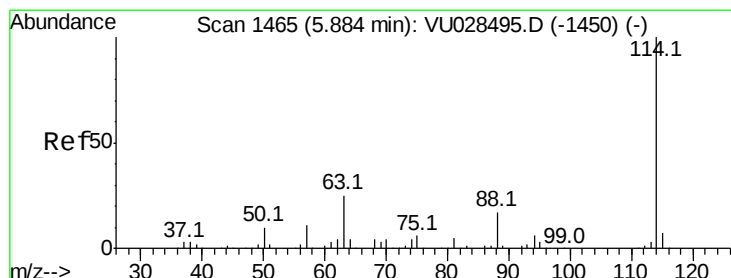
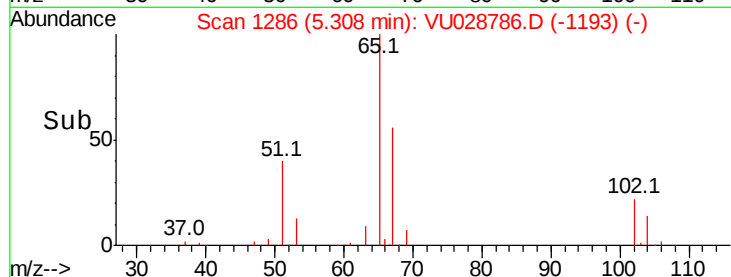
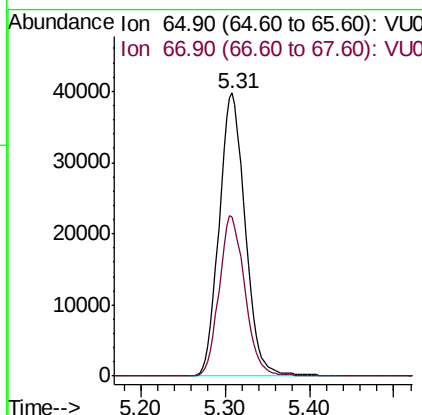
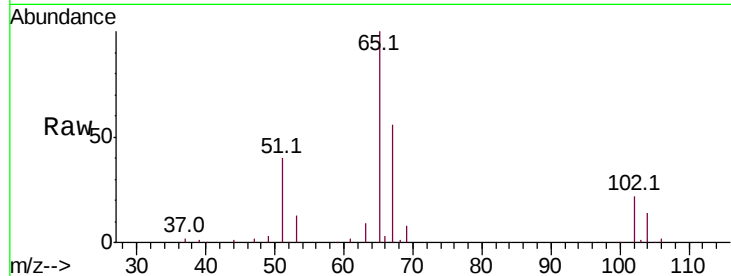




#33
 1,2-Dichloroethane-d4
 Concen: 43.523 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028786.D
 Acq: 19 Dec 2018 12:07

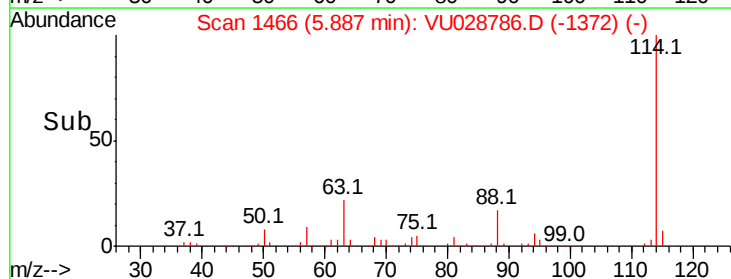
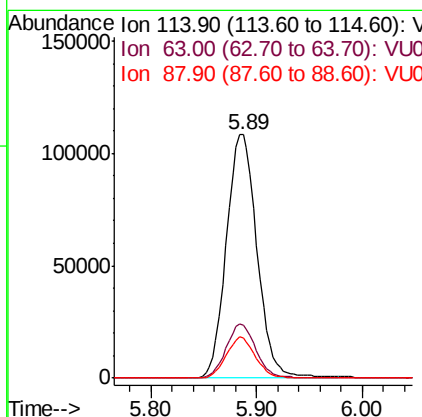
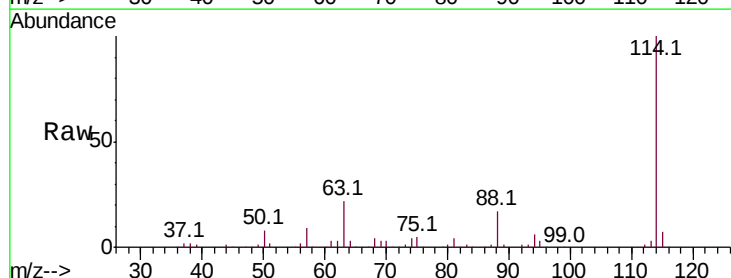
Instrument :
 MSVOA_U
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 FB-2018-12-13

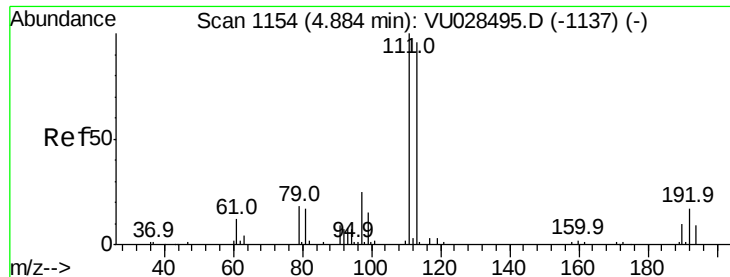
Tot Ion: 65 Resp: 85267
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028786.D
 Acq: 19 Dec 2018 12:07

Tgt Ion: 114 Resp: 218024
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 49.2
 88 16.6 0.0 33.4

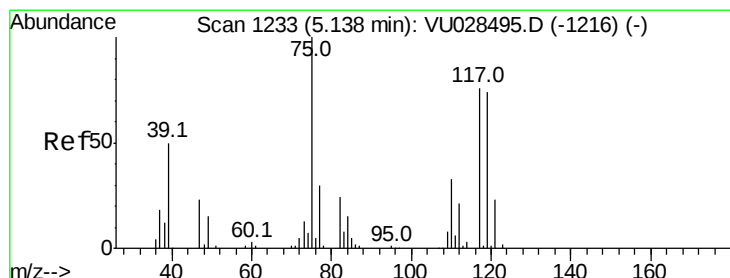
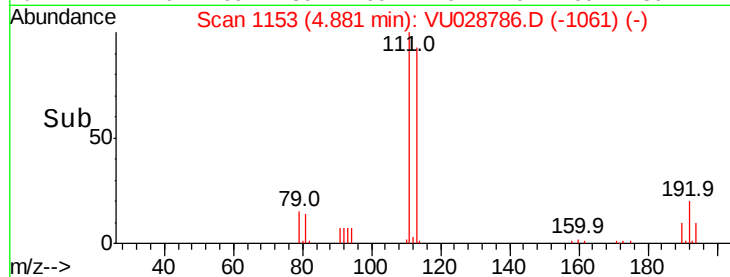
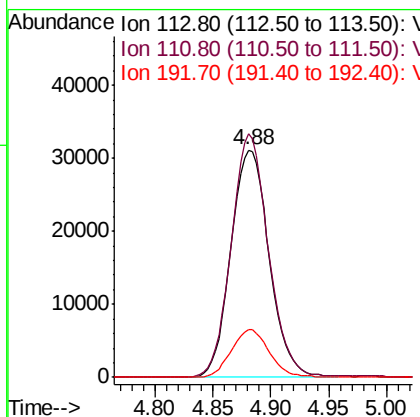
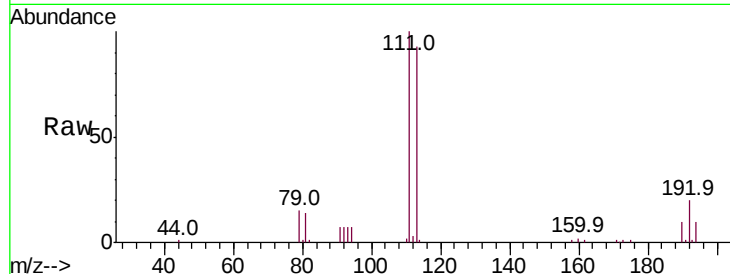




#35
 Dibromofluoromethane
 Concen: 52.017 ug/l
 RT: 4.88 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VU028786.D
 Acq: 19 Dec 2018 12:07

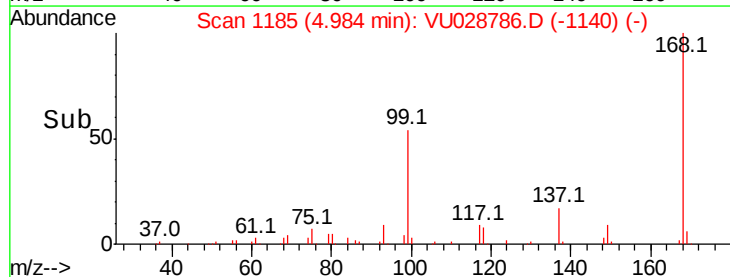
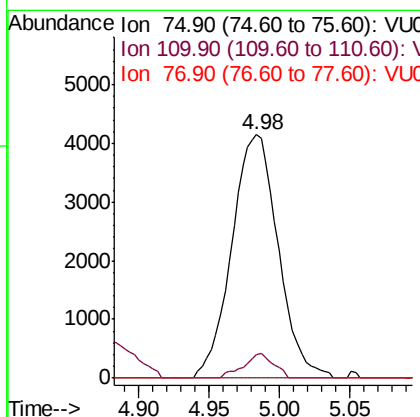
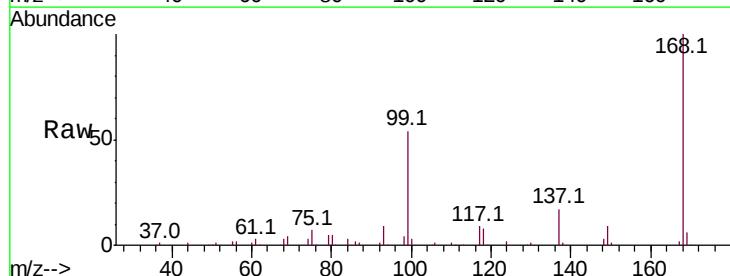
Instrument :
 MSVOA_U
 ClientSampleId :
 FB-2018-12-13

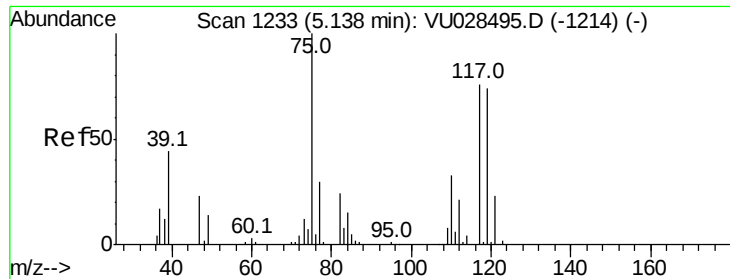
Tot Ion:113 Resp: 71369
 Ion Ratio Lower Upper
 113 100
 111 103.6 83.4 125.0
 192 20.7 14.8 22.2



#36
 1,1-Dichloropropene
 Concen: 3.996 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU028786.D
 Acq: 19 Dec 2018 12:07

Tgt Ion: 75 Resp: 9534
 Ion Ratio Lower Upper
 75 100
 110 6.6 16.1 48.2#
 77 0.0 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 5.850 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028786.D

Acq: 19 Dec 2018 12:07

Instrument :

MSVOA_U

ClientSampleId :

FB-2018-12-13

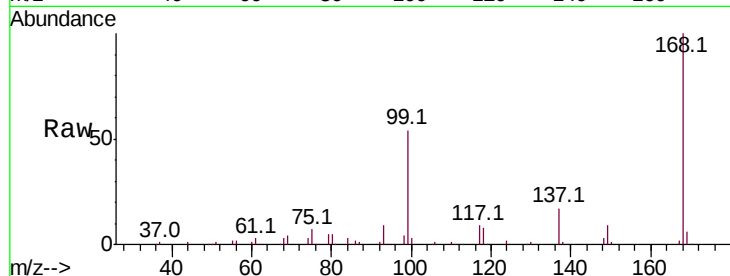
Tot Ion:117 Resp: 11249

Ion Ratio Lower Upper

117 100

119 4.5 77.6 116.4#

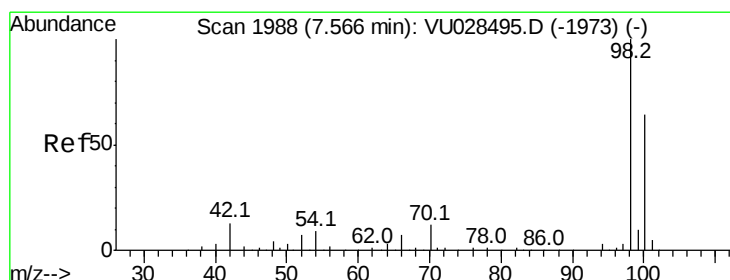
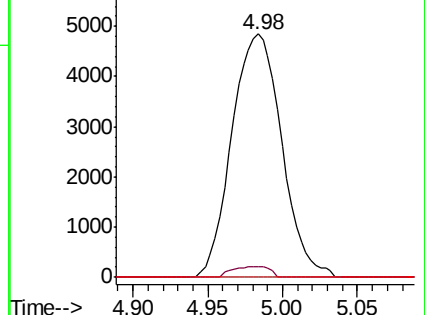
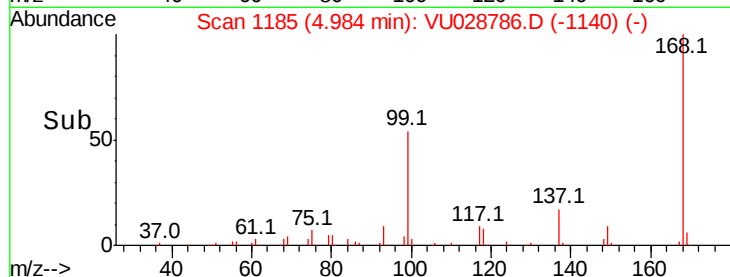
121 0.0 24.6 36.8#



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: 50.523 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VU028786.D

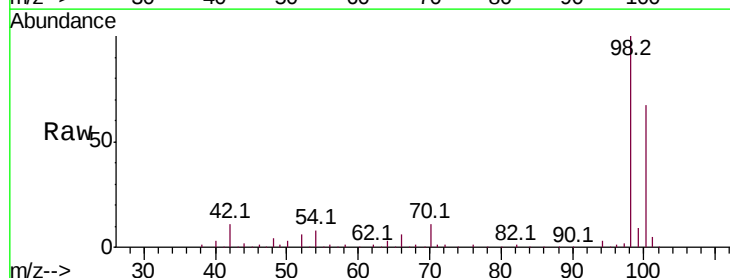
Acq: 19 Dec 2018 12:07

Tgt Ion: 98 Resp: 274214

Ion Ratio Lower Upper

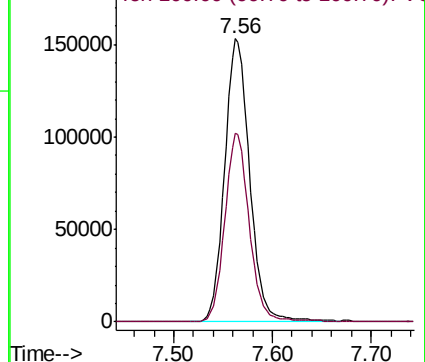
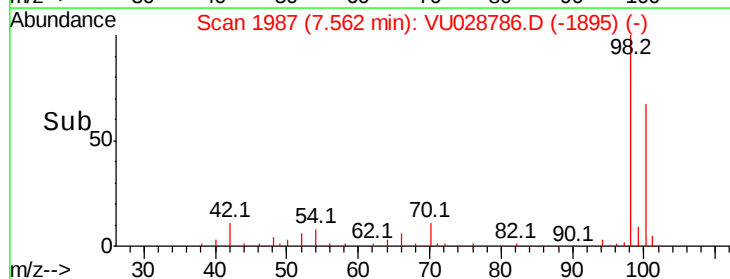
98 100

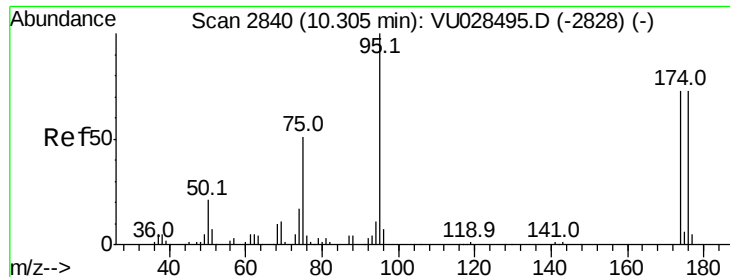
100 65.0 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#62

4-Bromofluorobenzene

Concen: 43.682 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028786.D

Acq: 19 Dec 2018 12:07

Instrument :

MSVOA_U

ClientSampleId :

FB-2018-12-13

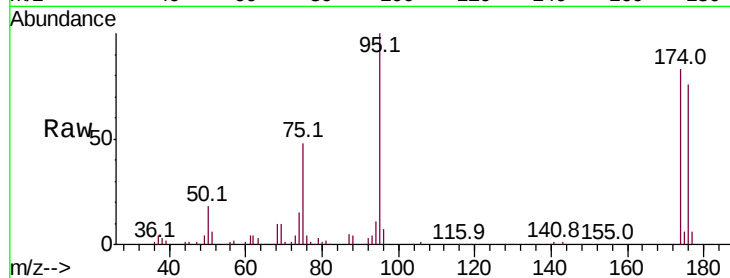
Tot Ion: 95 Resp: 88615

Ion Ratio Lower Upper

95 100

174 82.2 0.0 150.4

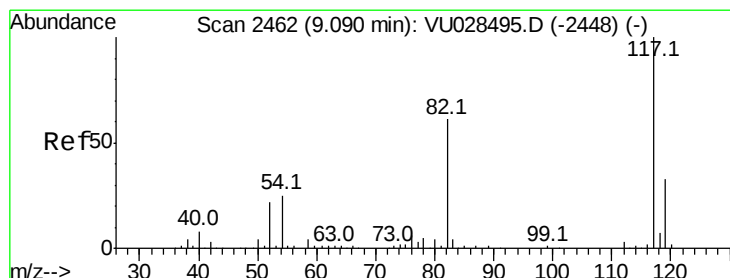
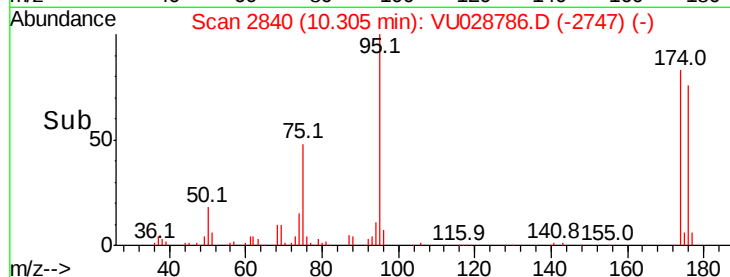
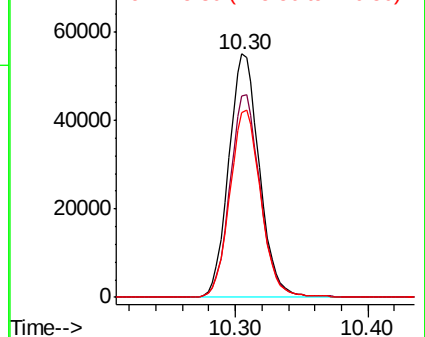
176 77.4 0.0 145.2



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) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VU028786.D

Acq: 19 Dec 2018 12:07

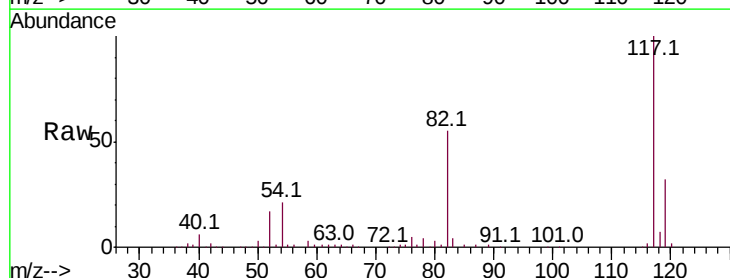
Tgt Ion: 117 Resp: 198087

Ion Ratio Lower Upper

117 100

82 55.2 48.9 73.3

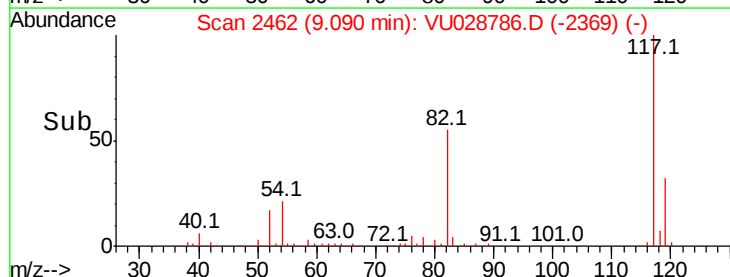
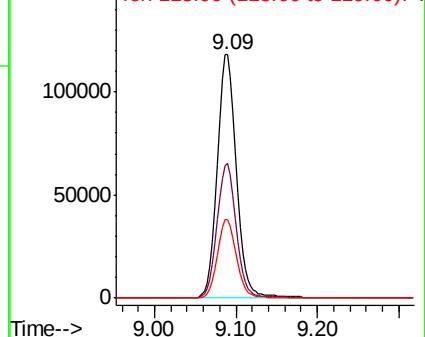
119 32.4 26.2 39.4

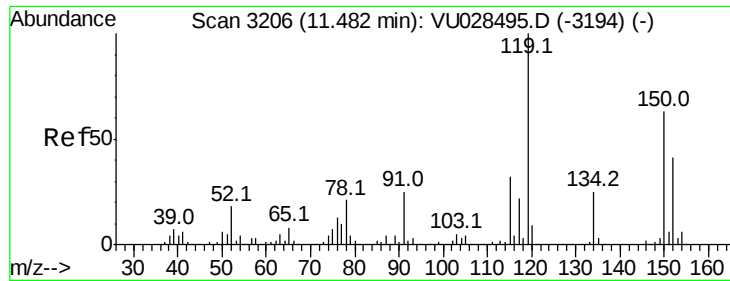


Abundance Ion 116.90 (116.60 to 117.60): VU028495.D (-2448) (-)

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

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



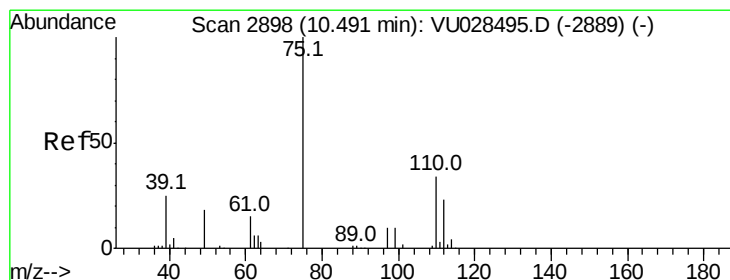
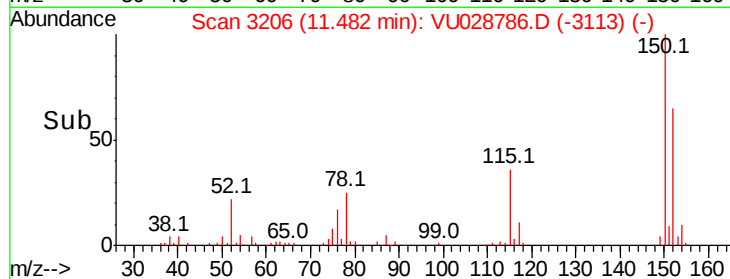
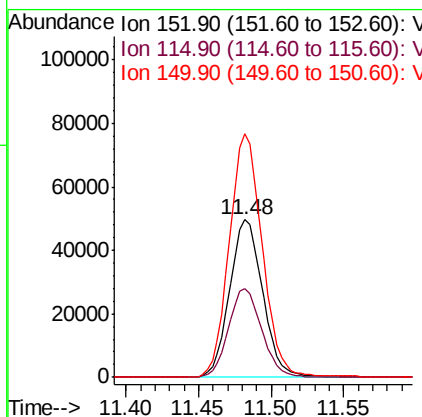
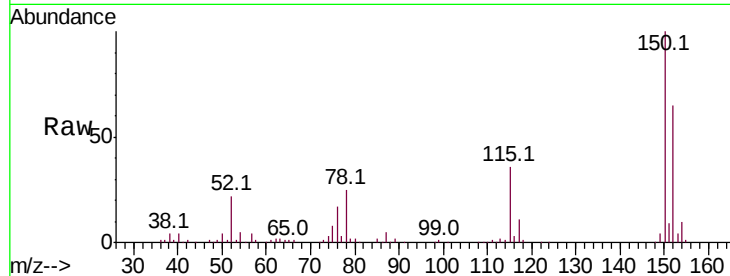


#72

1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.48 min Scan# 3206
 Delta R.T. -0.00 min
 Lab File: VU028786.D
 Acq: 19 Dec 2018 12:07

Instrument :
 MSVOA_U
 ClientSampleId :
 FB-2018-12-13

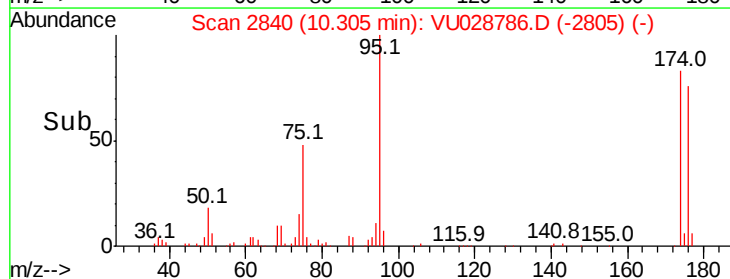
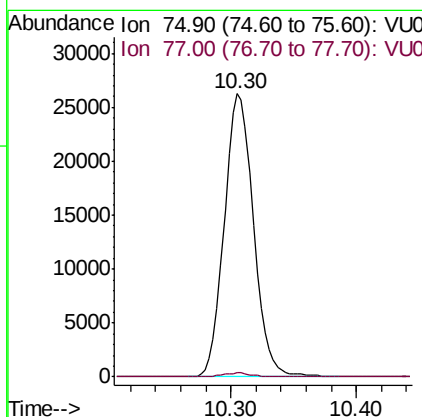
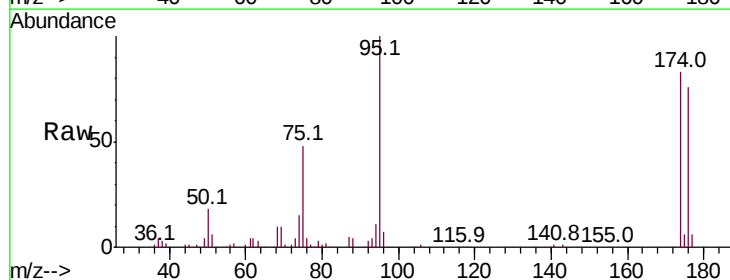
Tot Ion:152 Resp: 78714
 Ion Ratio Lower Upper
 152 100
 115 56.5 42.7 128.1
 150 154.5 0.0 346.0

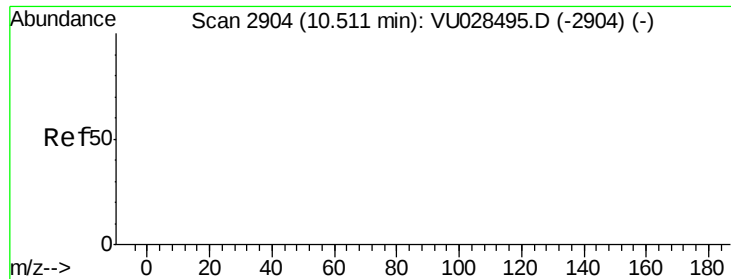


#76

1,2,3-Trichloropropane
 Concen: 21.082 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.19 min
 Lab File: VU028786.D
 Acq: 19 Dec 2018 12:07

Tgt Ion: 75 Resp: 42374
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.8 62.4#





#81

trans-1,4-Dichloro-2-butene

Concen: 51.814 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU028786.D

Acq: 19 Dec 2018 12:07

Instrument :

MSVOA_U

ClientSampleId :

FB-2018-12-13

Tot Ion: 75 Resp: 42374

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0

