

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121918\
 Data File : VU028784.D
 Acq On : 19 Dec 2018 11:19
 Operator : MD/SY
 Sample : J6449-13
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TB-2018-12-14

Quant Time: Dec 20 03:19:07 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	128162	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	216886	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	197271	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	79711	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	82434	42.15	ug/l	0.00
Spiked Amount			Recovery	=	84.30%	
35) Dibromofluoromethane	4.88	113	70895	51.94	ug/l	0.00
Spiked Amount			Recovery	=	103.88%	
50) Toluene-d8	7.56	98	274800	50.90	ug/l	0.00
Spiked Amount			Recovery	=	101.80%	
62) 4-Bromofluorobenzene	10.30	95	88768	43.99	ug/l	0.00
Spiked Amount			Recovery	=	87.98%	

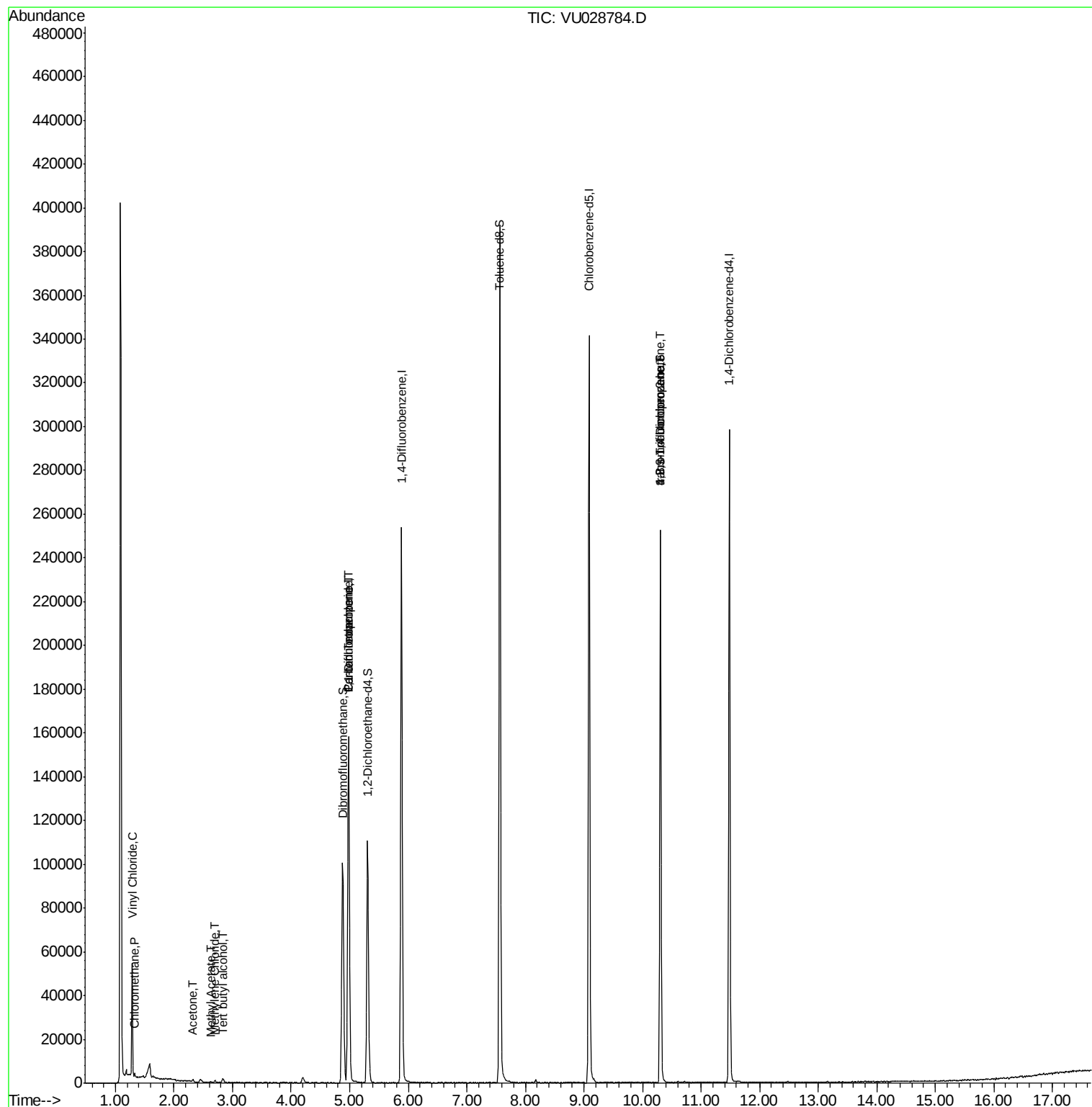
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1476	0.467	ug/l	96
4) Vinyl Chloride	1.28	62	497	0.218	ug/l #	43
11) Tert butyl alcohol	2.84	59	1283	2.944	ug/l #	73
16) Acetone	2.32	43	1377	1.079	ug/l	96
18) Methyl Acetate	2.62	43	813	0.246	ug/l #	56
20) Methylene Chloride	2.70	84	517	0.275	ug/l	90
31) Cyclohexane	4.98	56	2295	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	9551	4.024	ug/l #	49
38) Carbon Tetrachloride	4.98	117	11564	6.045	ug/l #	16
76) 1,2,3-Trichloropropane	10.30	75	41765	20.519	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.30	75	41765	50.445	ug/l #	100

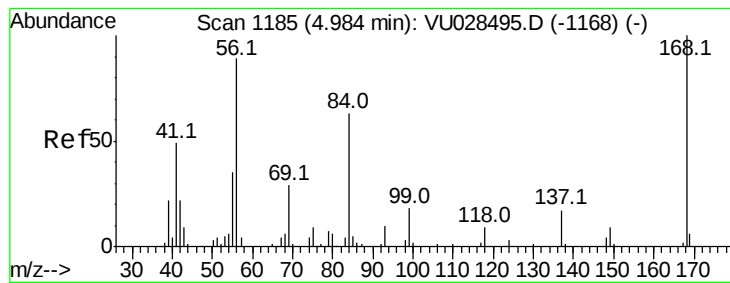
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1400

Delta R.T. -0.00 min

Lab File: VU028784.D

Acq: 19 Dec 2018 11:19

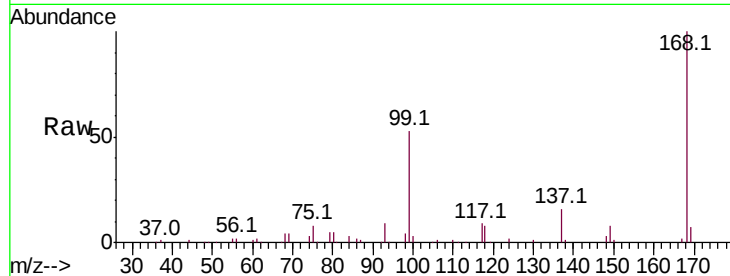
Instrument :
MSVOA_U
ClientSampleId :
TB-2018-12-14

Tot Ion:168 Resp: 128162

Ion Ratio Lower Upper

168 100

99 52.6 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

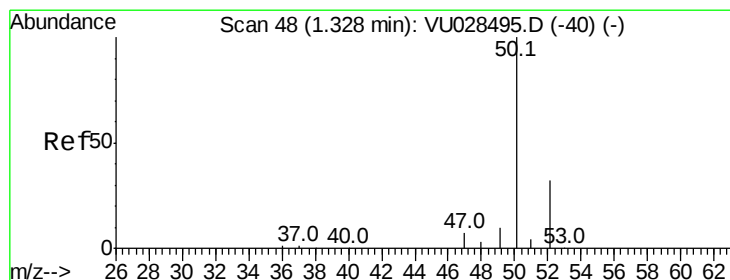
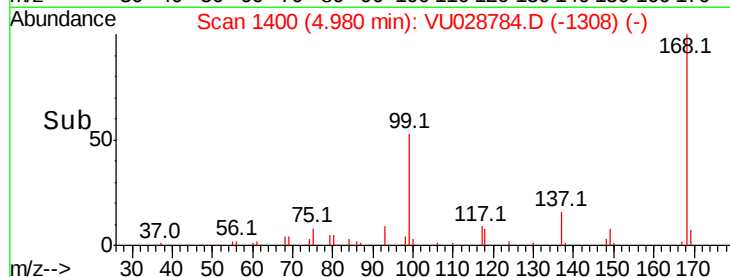
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#3

Chloromethane

Concen: 0.467 ug/l

RT: 1.33 min Scan# 264

Delta R.T. -0.00 min

Lab File: VU028784.D

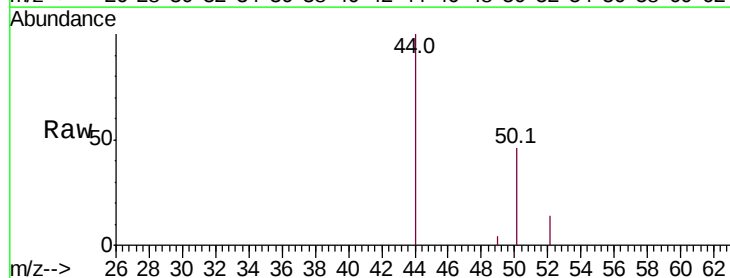
Acq: 19 Dec 2018 11:19

Tgt Ion: 50 Resp: 1476

Ion Ratio Lower Upper

50 100

52 29.7 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

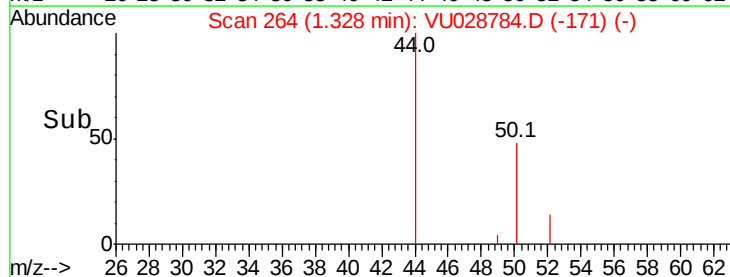
1000

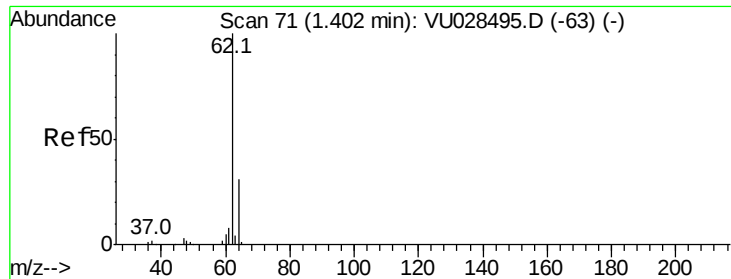
500

0

1.30 1.35

Time-->





#4

Vinyl Chloride

Concen: 0.218 ug/l

RT: 1.28 min Scan# 250

Delta R.T. -0.12 min

Lab File: VU028784.D

Acq: 19 Dec 2018 11:19

Instrument :

MSVOA_U

ClientSampleId :

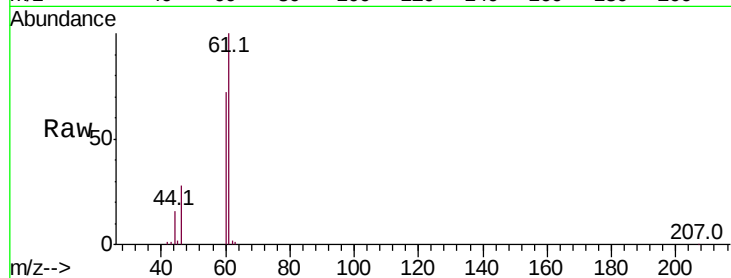
TB-2018-12-14

Tot Ion: 62 Resp: 497

Ion Ratio Lower Upper

62 100

64 0.0 25.1 37.7#



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

1.28

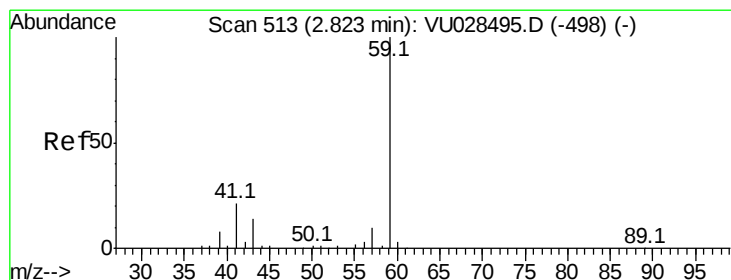
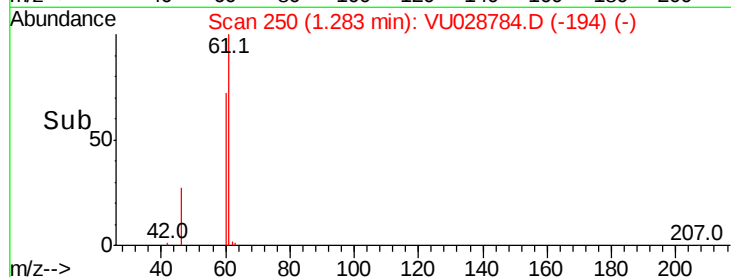
600

400

200

0

Time-->



#11

Tert butyl alcohol

Concen: 2.944 ug/l

RT: 2.84 min Scan# 734

Delta R.T. 0.02 min

Lab File: VU028784.D

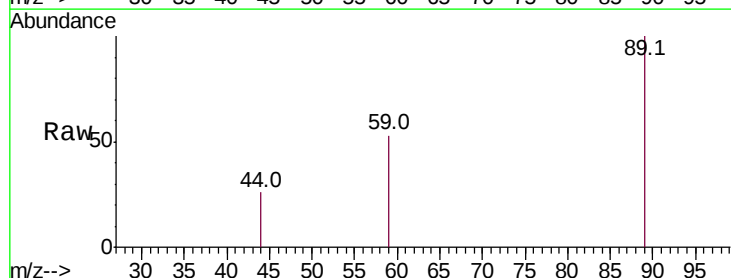
Acq: 19 Dec 2018 11:19

Tgt Ion: 59 Resp: 1283

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

2.84

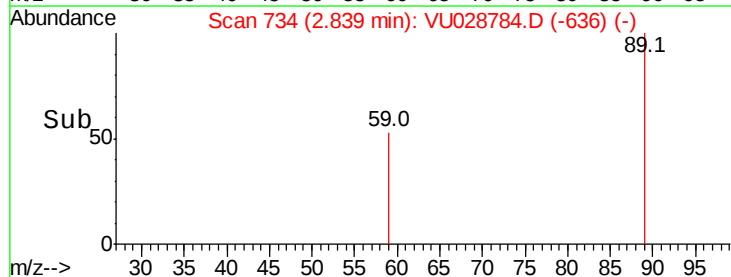
600

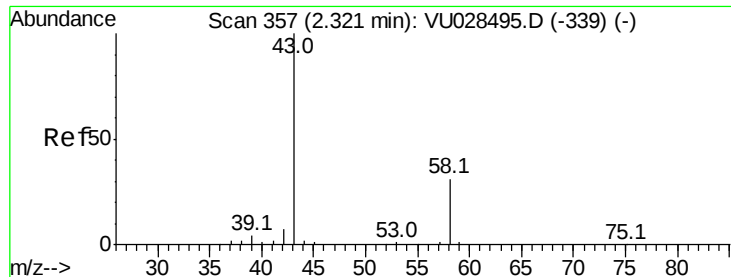
400

200

0

Time-->





#16

Acetone

Concen: 1.079 ug/l

RT: 2.32 min Scan# 573

Delta R.T. -0.00 min

Lab File: VU028784.D

Acq: 19 Dec 2018 11:19

Instrument :

MSVOA_U

ClientSampleId :

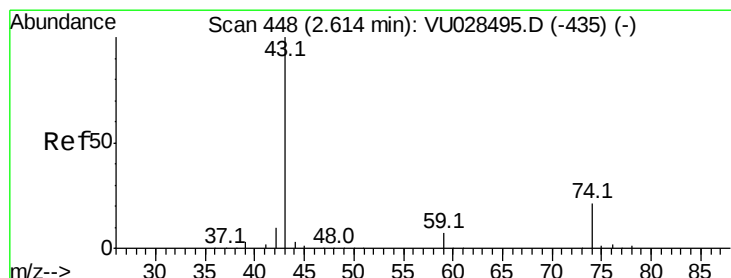
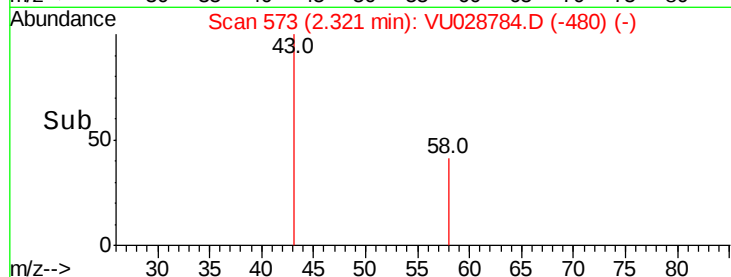
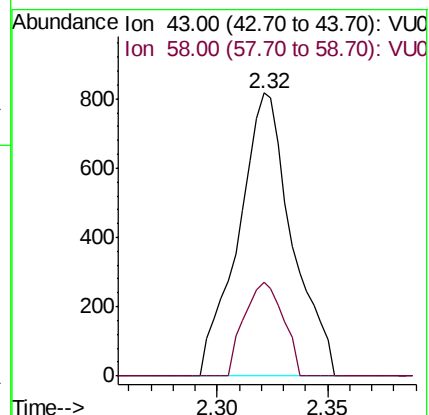
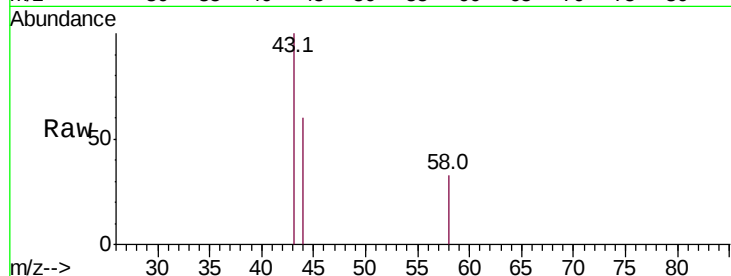
TB-2018-12-14

Tot Ion: 43 Resp: 1377

Ion Ratio Lower Upper

43 100

58 32.9 24.6 37.0



#18

Methyl Acetate

Concen: 0.246 ug/l

RT: 2.62 min Scan# 667

Delta R.T. 0.01 min

Lab File: VU028784.D

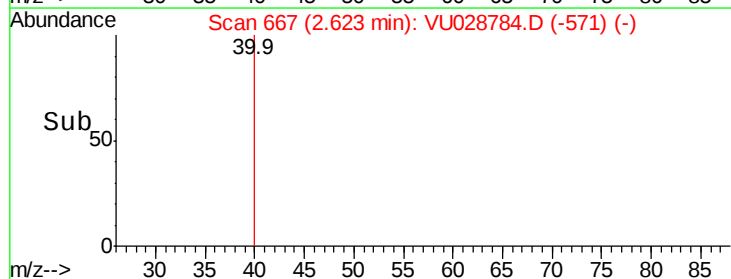
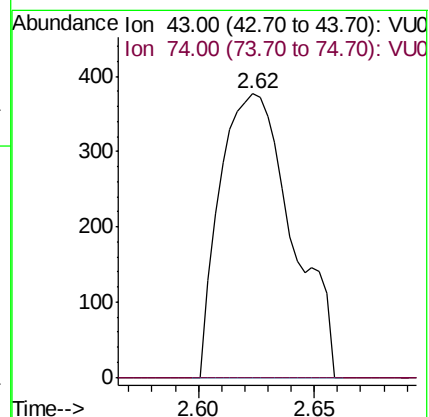
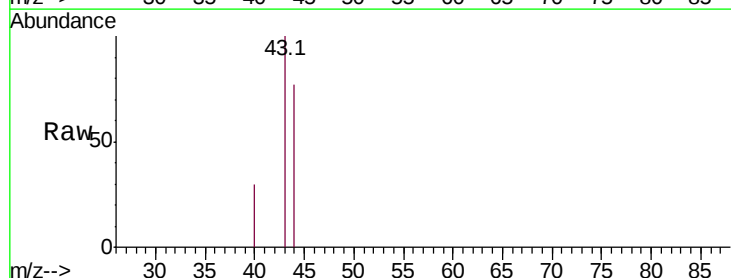
Acq: 19 Dec 2018 11:19

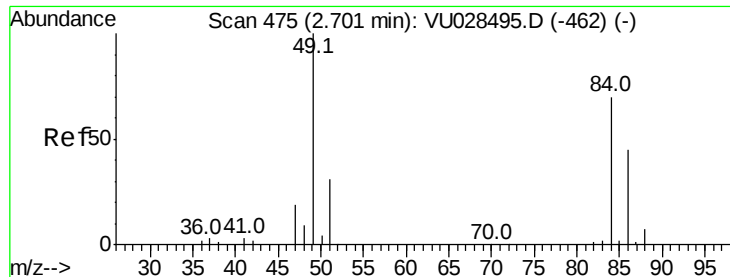
Tgt Ion: 43 Resp: 813

Ion Ratio Lower Upper

43 100

74 0.0 16.4 24.6#

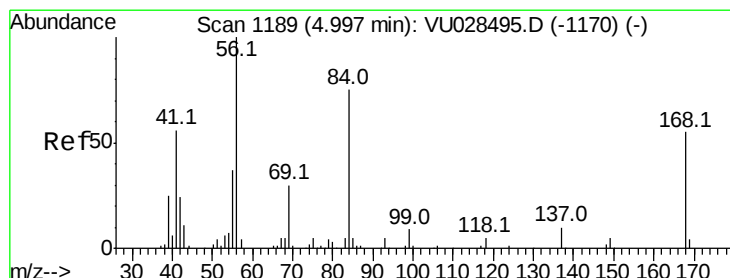
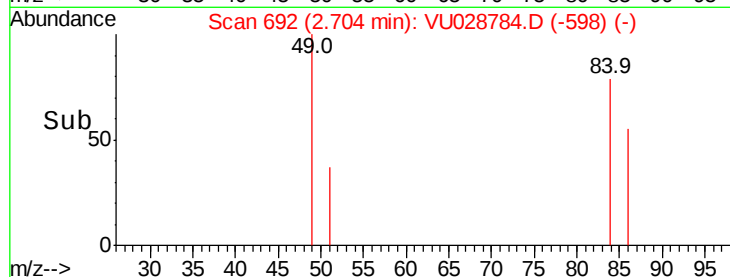
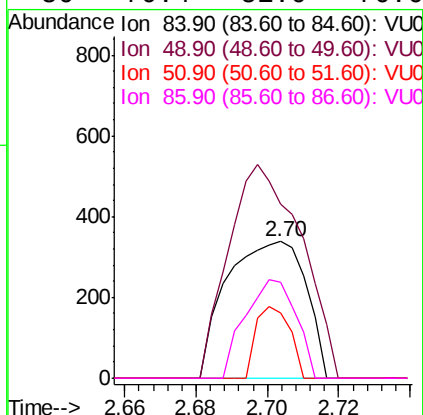
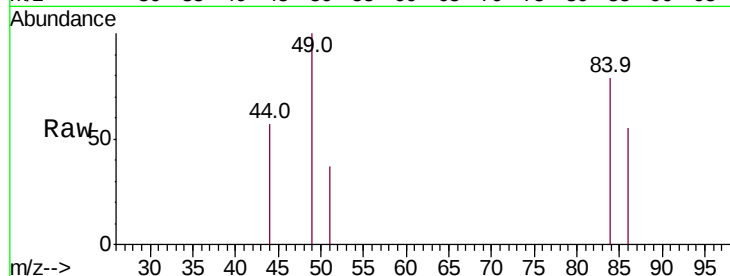




#20
Methvlene Chloride
Concen: 0.275 ug/l
RT: 2.70 min Scan# 692
Delta R.T. 0.00 min
Lab File: VU028784.D
Acq: 19 Dec 2018 11:19

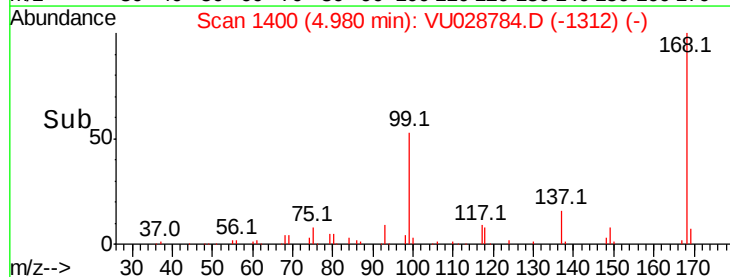
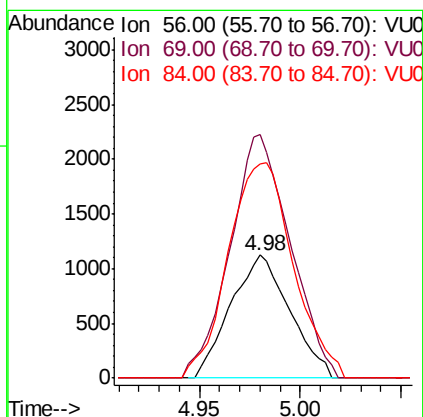
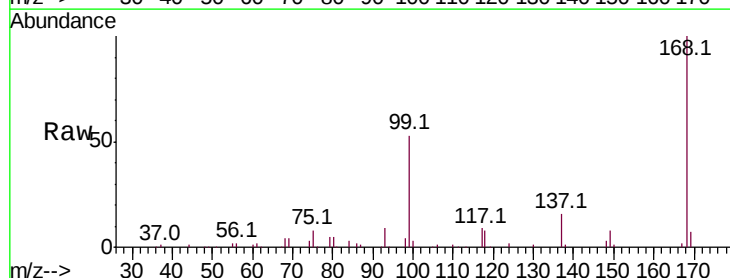
Instrument :
MSVOA_U
ClientSampleId :
TB-2018-12-14

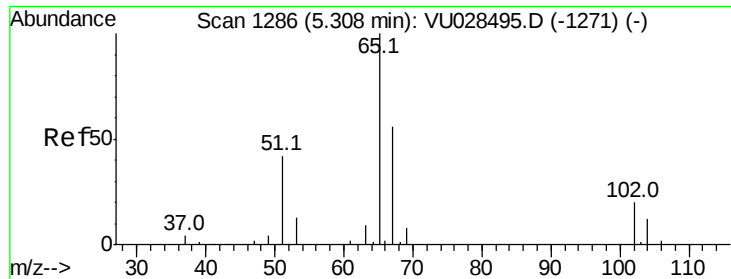
Tot Ion:	84	Resp:	517
Ion	Ratio	Lower	Upper
84	100		
49	127.2	114.0	171.0
51	47.3	35.1	52.7
86	70.4	51.0	76.6



#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1400
Delta R.T. -0.02 min
Lab File: VU028784.D
Acq: 19 Dec 2018 11:19

Tgt Ion:	56	Resp:	2295
Ion	Ratio	Lower	Upper
56	100		
69	198.1	24.0	36.0#
84	164.1	59.7	89.5#

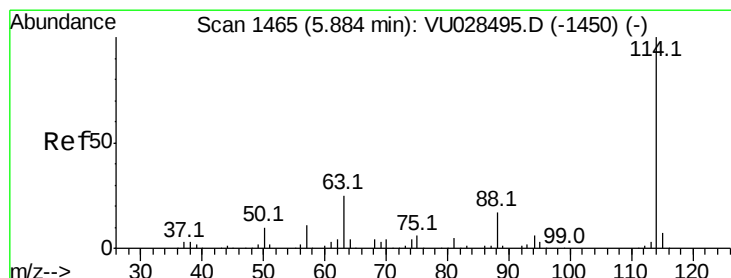
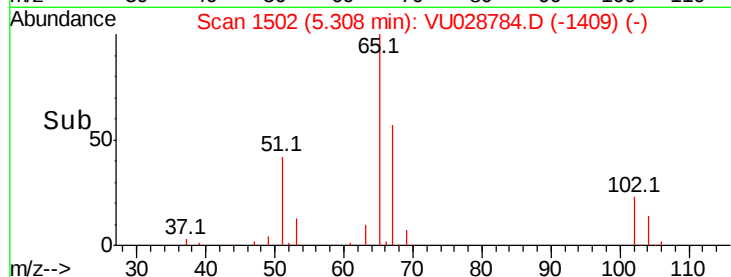
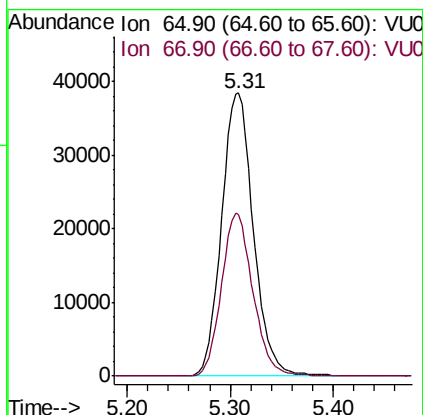
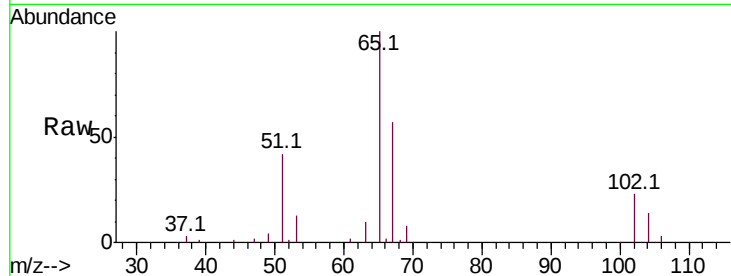




#33
 1,2-Dichloroethane-d4
 Concen: 42.148 ug/l
 RT: 5.31 min Scan# 1502
 Delta R.T. -0.00 min
 Lab File: VU028784.D
 Acq: 19 Dec 2018 11:19

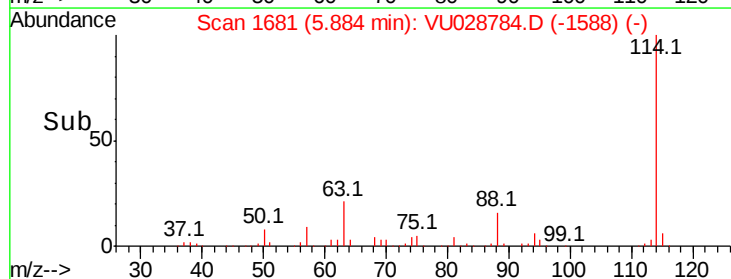
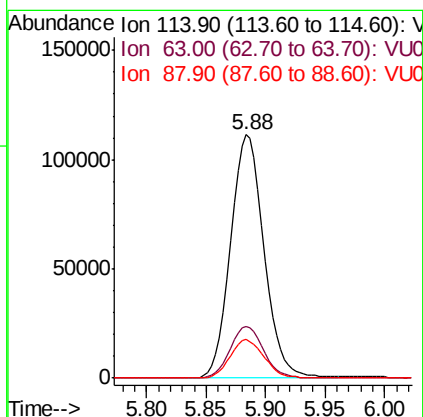
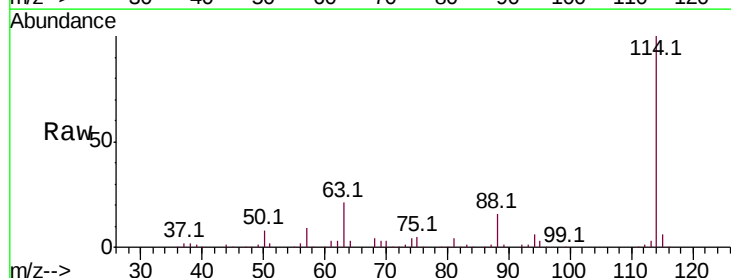
Instrument :
 MSVOA_U
 ClientSampleId :
 TB-2018-12-14

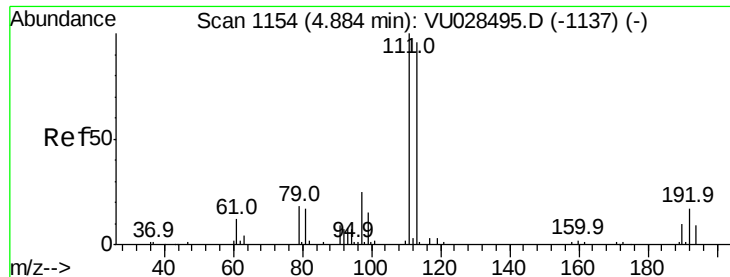
Tot Ion: 65 Resp: 82434
 Ion Ratio Lower Upper
 65 100
 67 56.9 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1681
 Delta R.T. -0.00 min
 Lab File: VU028784.D
 Acq: 19 Dec 2018 11:19

Tgt Ion: 114 Resp: 216886
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 49.2
 88 15.9 0.0 33.4

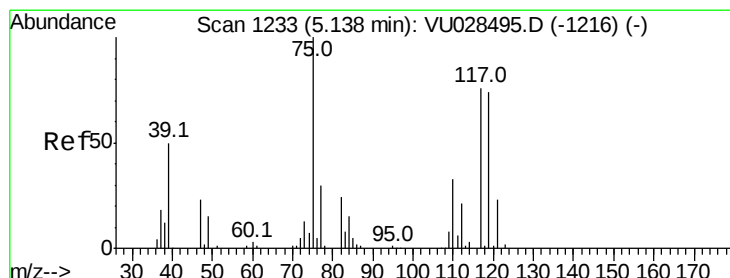
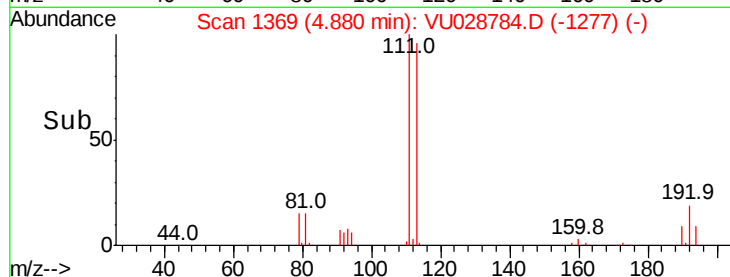
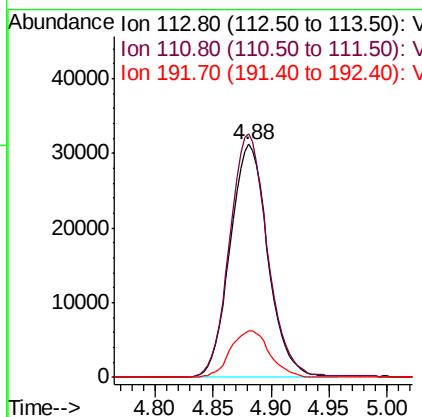
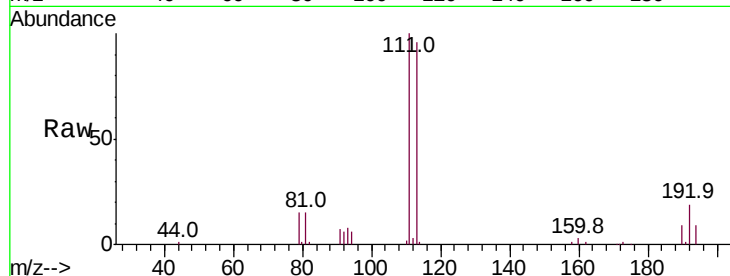




#35
 Dibromofluoromethane
 Concen: 51.942 ug/l
 RT: 4.88 min Scan# 1369
 Delta R.T. -0.00 min
 Lab File: VU028784.D
 Acq: 19 Dec 2018 11:19

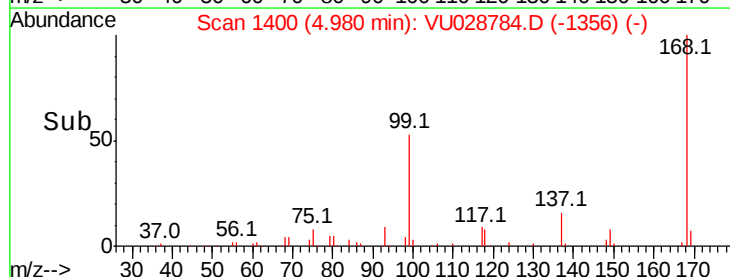
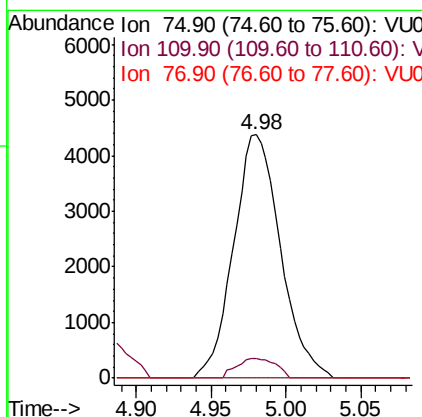
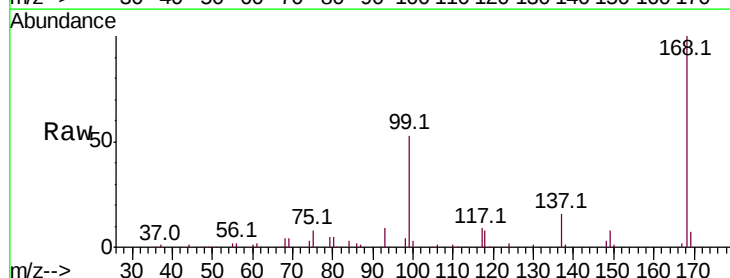
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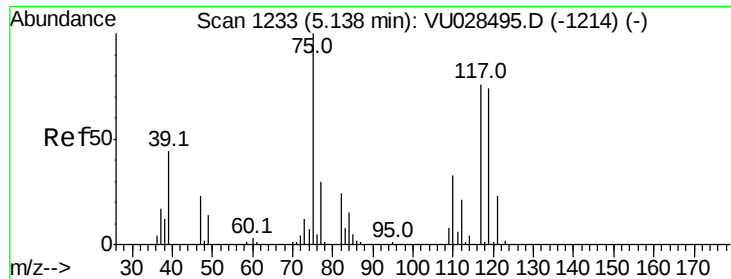
Tot Ion:113 Resp: 70895
 Ion Ratio Lower Upper
 113 100
 111 104.5 83.4 125.0
 192 20.6 14.8 22.2



#36
 1,1-Dichloropropene
 Concen: 4.024 ug/l
 RT: 4.98 min Scan# 1400
 Delta R.T. -0.16 min
 Lab File: VU028784.D
 Acq: 19 Dec 2018 11:19

Tgt Ion: 75 Resp: 9551
 Ion Ratio Lower Upper
 75 100
 110 6.8 16.1 48.2#
 77 0.0 24.5 36.7#

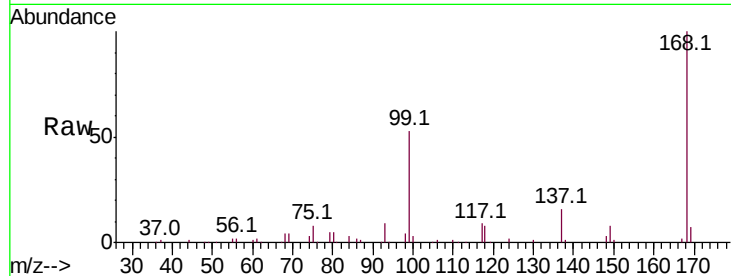




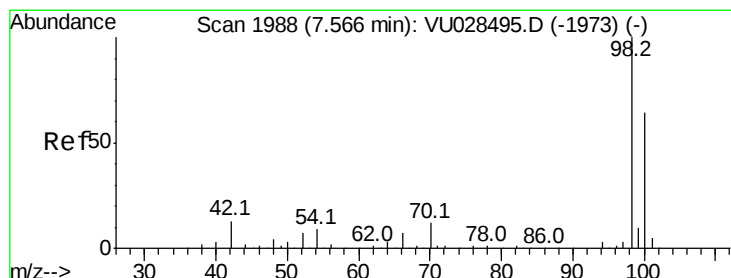
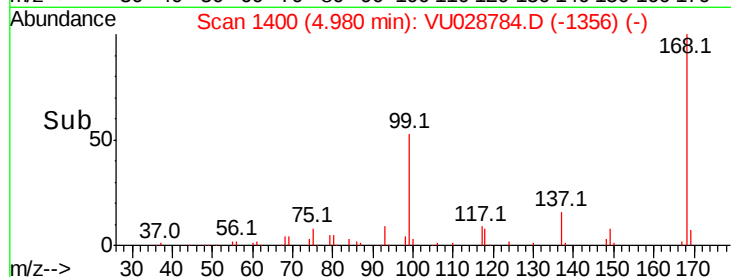
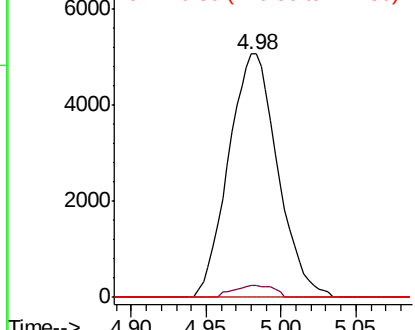
#38
Carbon Tetrachloride
Concen: 6.045 ug/l
RT: 4.98 min Scan# 1400
Delta R.T. -0.16 min
Lab File: VU028784.D
Acq: 19 Dec 2018 11:19

Instrument :
MSVOA_U
ClientSampled :
TB-2018-12-14

Tot Ion:117 Resp: 11564
Ion Ratio Lower Upper
117 100
119 5.1 77.6 116.4#
121 0.0 24.6 36.8#

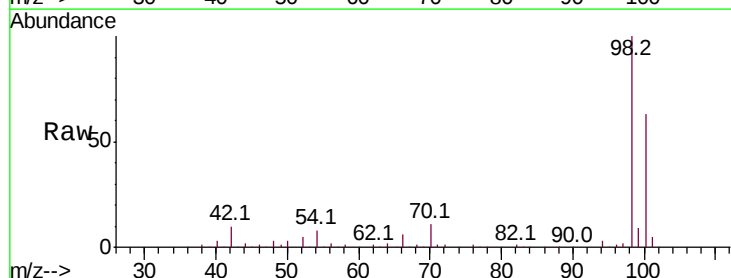


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

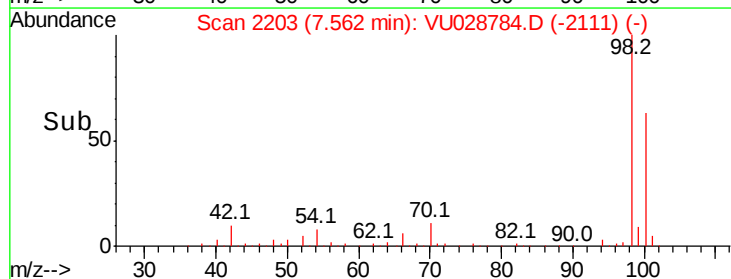
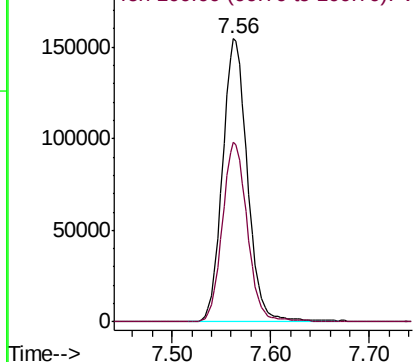


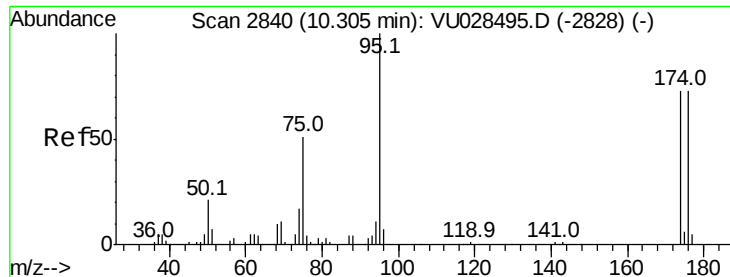
#50
Toluene-d8
Concen: 50.896 ug/l
RT: 7.56 min Scan# 2203
Delta R.T. -0.00 min
Lab File: VU028784.D
Acq: 19 Dec 2018 11:19

Tgt Ion: 98 Resp: 274800
Ion Ratio Lower Upper
98 100
100 63.9 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: 43.987 ug/l

RT: 10.30 min Scan# 3056

Delta R.T. -0.00 min

Lab File: VU028784.D

Acq: 19 Dec 2018 11:19

Instrument :

MSVOA_U

ClientSampleId :

TB-2018-12-14

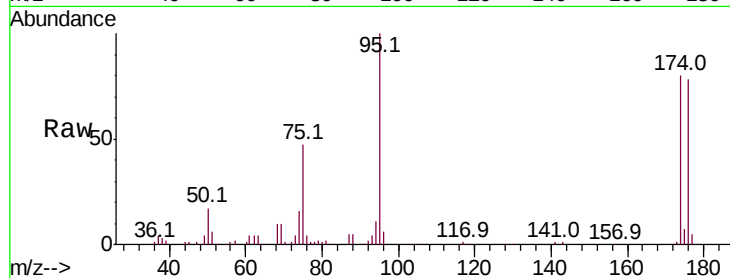
Tot Ion: 95 Resp: 88768

Ion Ratio Lower Upper

95 100

174 81.5 0.0 150.4

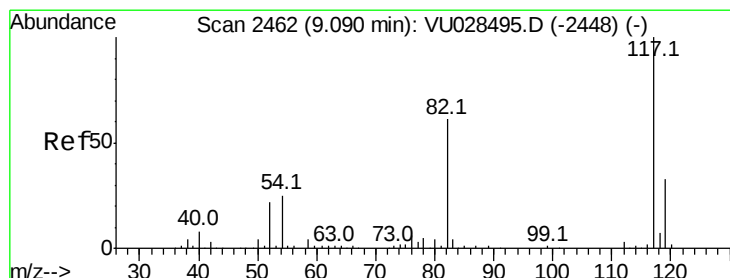
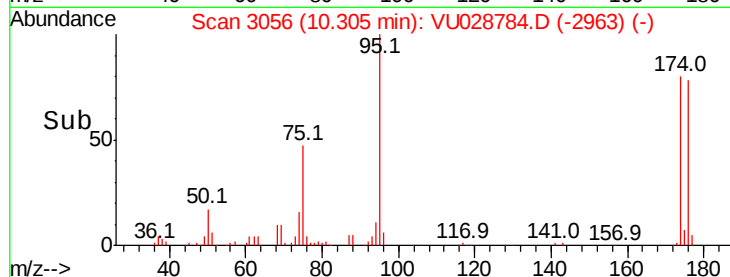
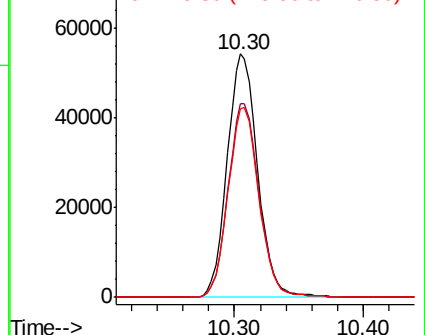
176 79.2 0.0 145.2



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# 2678

Delta R.T. -0.00 min

Lab File: VU028784.D

Acq: 19 Dec 2018 11:19

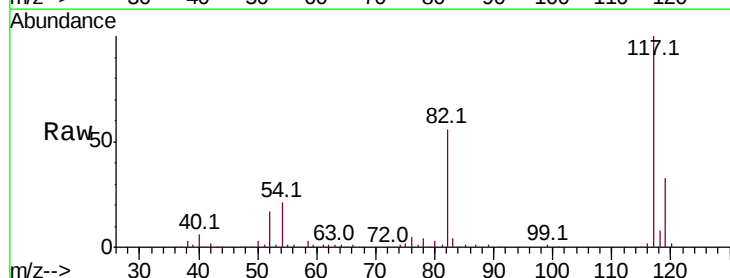
Tgt Ion: 117 Resp: 197271

Ion Ratio Lower Upper

117 100

82 56.5 48.9 73.3

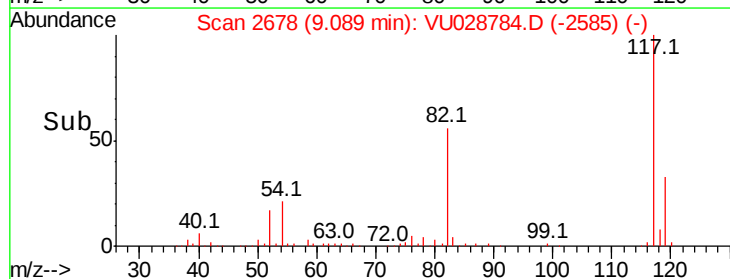
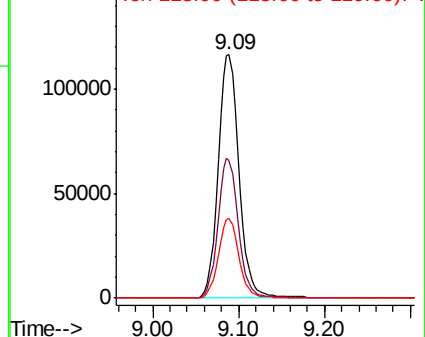
119 32.6 26.2 39.4

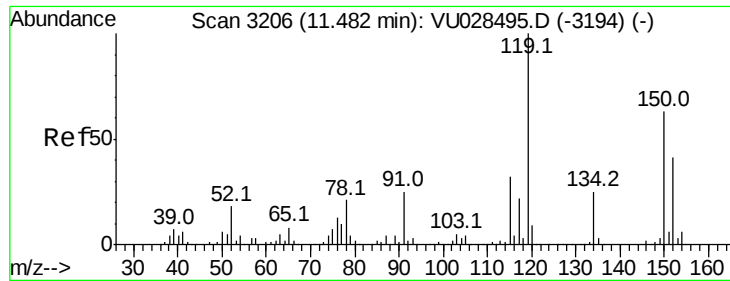


Abundance Ion 116.90 (116.60 to 117.60): VU028495.D (-2448) (-)

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

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



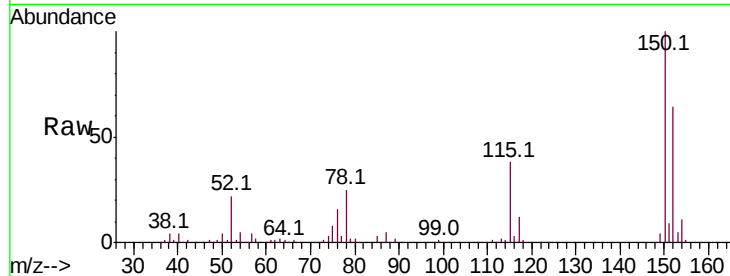


#72

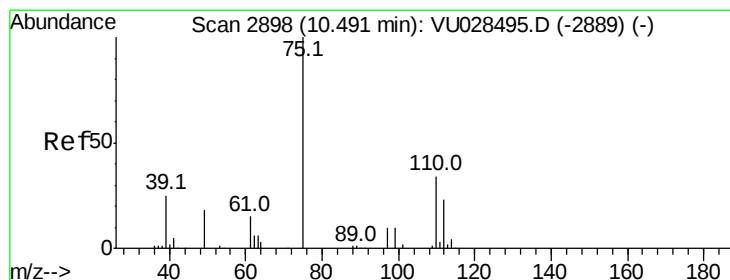
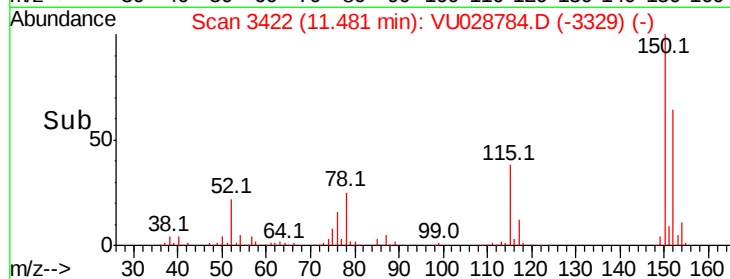
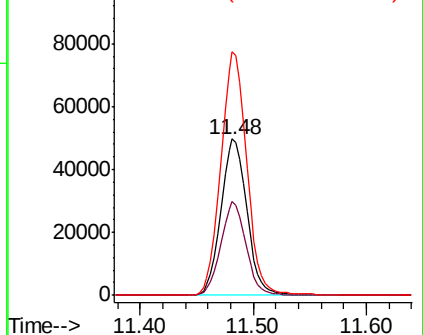
1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.48 min Scan# 3422
 Delta R.T. -0.00 min
 Lab File: VU028784.D
 Acq: 19 Dec 2018 11:19

Instrument :
 MSVOA_U
 ClientSampled :
 TB-2018-12-14

Tot Ion:152 Resp: 79711
 Ion Ratio Lower Upper
 152 100
 115 57.9 42.7 128.1
 150 155.5 0.0 346.0



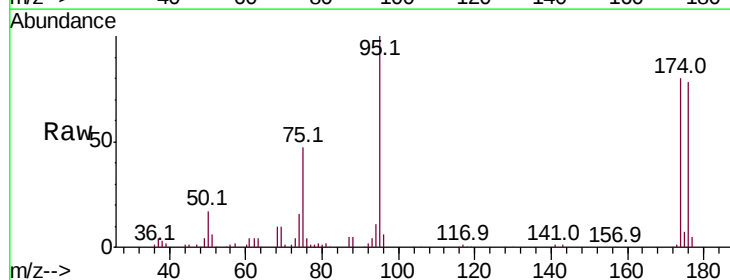
Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V



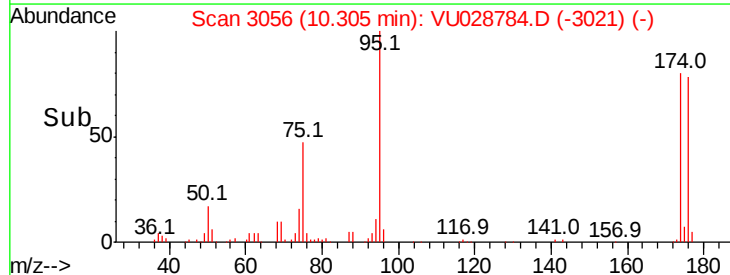
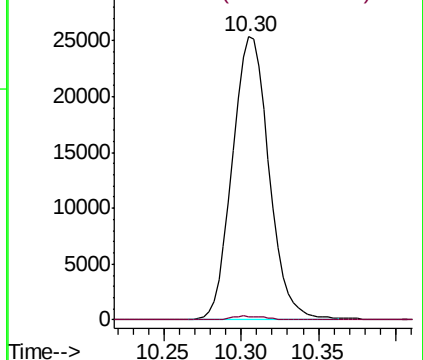
#76

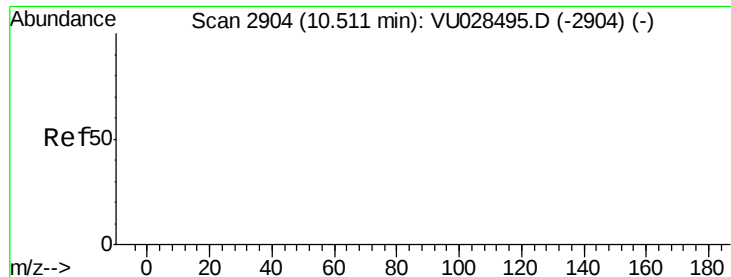
1,2,3-Trichloropropane
 Concen: 20.519 ug/l
 RT: 10.30 min Scan# 3056
 Delta R.T. -0.19 min
 Lab File: VU028784.D
 Acq: 19 Dec 2018 11:19

Tgt Ion: 75 Resp: 41765
 Ion Ratio Lower Upper
 75 100
 77 1.1 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: 50.445 ug/l

RT: 10.30 min Scan# 3056

Delta R.T. -0.21 min

Lab File: VU028784.D

Acq: 19 Dec 2018 11:19

Instrument :

MSVOA_U

ClientSampleId :

TB-2018-12-14

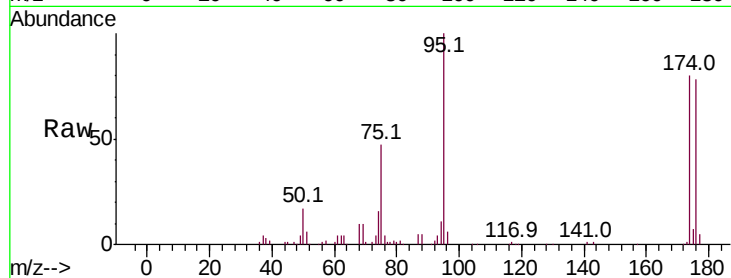
Tot Ion: 75 Resp: 41765

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

