

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121318\
 Data File : VU028641.D
 Acq On : 12 Dec 2018 10:44
 Operator : MD/SY
 Sample : J6351-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TB-01-181210

Quant Time: Dec 13 00:45:57 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	111382	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	201092	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	177305	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	69401	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	85476	50.29	ug/l	0.00
Spiked Amount			Recovery	=	100.58%	
35) Dibromofluoromethane	4.88	113	65312	51.61	ug/l	0.00
Spiked Amount			Recovery	=	103.22%	
50) Toluene-d8	7.57	98	254335	50.81	ug/l	0.00
Spiked Amount			Recovery	=	101.62%	
62) 4-Bromofluorobenzene	10.30	95	83337	44.54	ug/l	0.00
Spiked Amount			Recovery	=	89.08%	

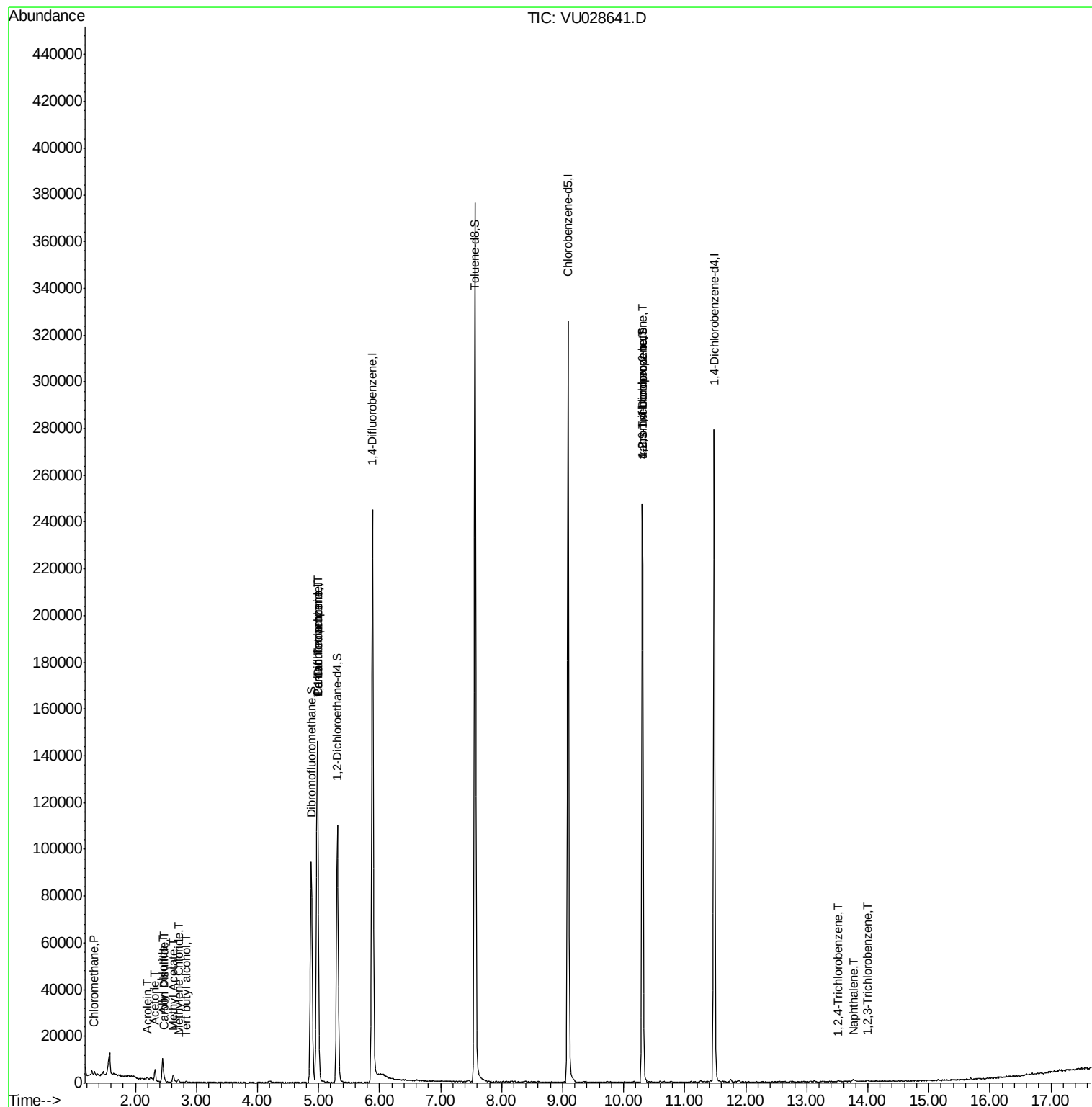
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1402	0.511	ug/l	96
11) Tert butyl alcohol	2.83	59	94	0.248	ug/l #	73
13) Acrolein	2.19	56	119	0.394	ug/l #	60
14) Allyl chloride	2.45	41	817	0.278	ug/l #	64
16) Acetone	2.32	43	5574	5.025	ug/l #	89
17) Carbon Disulfide	2.48	76	978	0.219	ug/l #	85
18) Methyl Acetate	2.62	43	4755	1.654	ug/l #	88
20) Methylene Chloride	2.70	84	552	0.338	ug/l	88
31) Cyclohexane	4.98	56	2691	Below Cal	#	12
36) 1,1-Dichloropropene	4.98	75	9412	4.277	ug/l #	49
38) Carbon Tetrachloride	4.98	117	10610	5.982	ug/l #	15
76) 1,2,3-Trichloropropane	10.30	75	42397	23.924	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.30	75	42397	58.728	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.51	180	358	1.061	ug/l #	77
95) Naphthalene	13.75	128	1475	0.261	ug/l #	73
96) 1,2,3-Trichlorobenzene	13.99	180	446	0.423	ug/l #	76

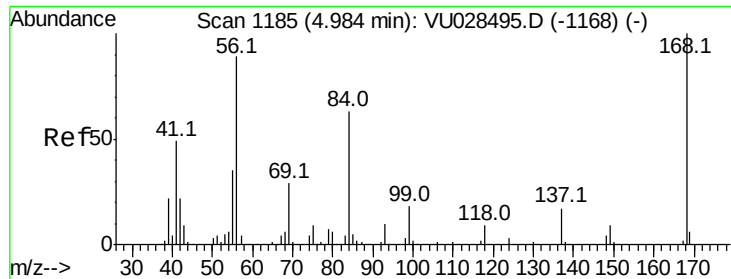
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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: VU028641.D

Acq: 12 Dec 2018 10:44

Instrument :

MSVOA_U

ClientSampleId :

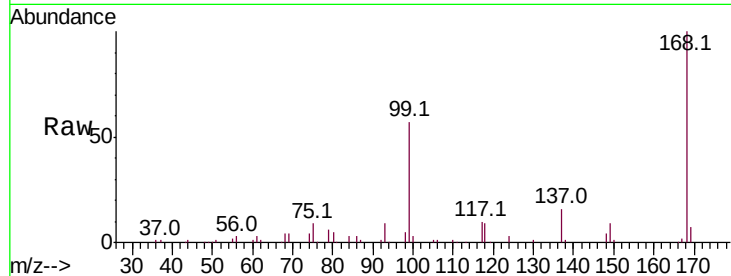
TB-01-181210

Tot Ion:168 Resp: 111382

Ion Ratio Lower Upper

168 100

99 56.9 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

50000

40000

30000

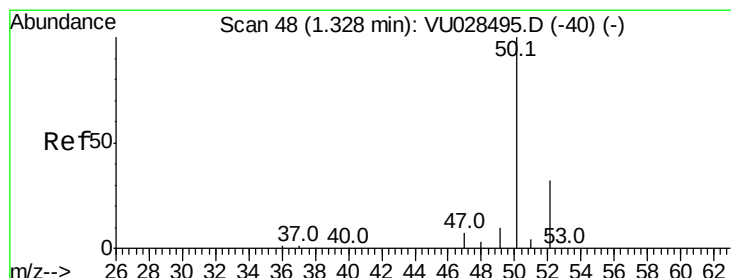
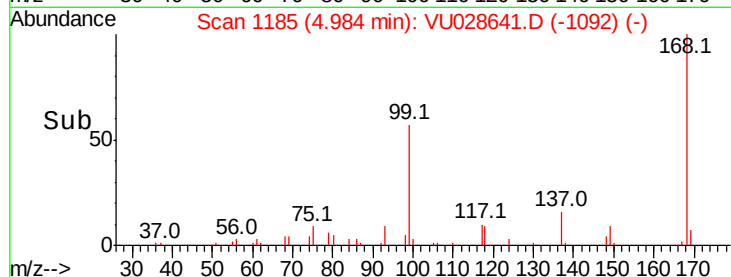
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#3

Chloromethane

Concen: 0.511 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028641.D

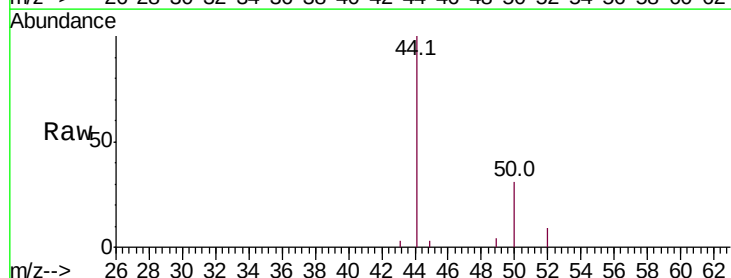
Acq: 12 Dec 2018 10:44

Tgt Ion: 50 Resp: 1402

Ion Ratio Lower Upper

50 100

52 29.4 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

1200

1000

800

600

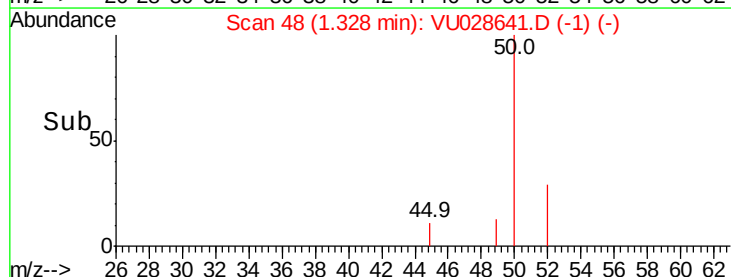
400

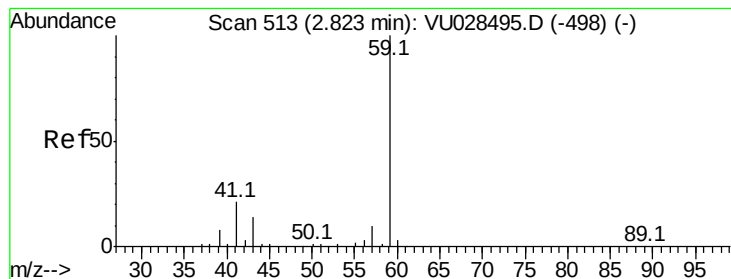
200

0

1.30 1.32 1.34 1.36

Time-->



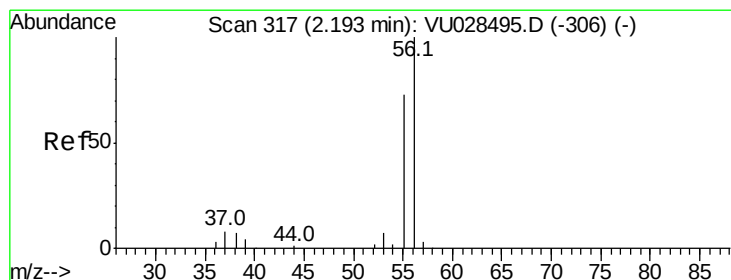
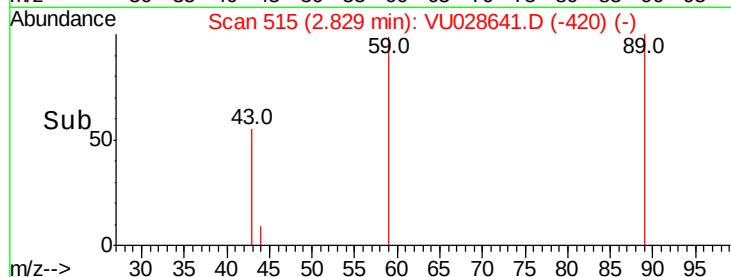
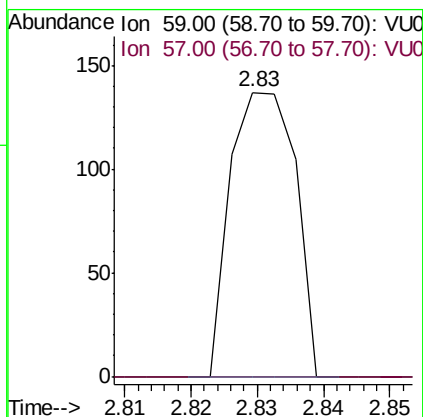
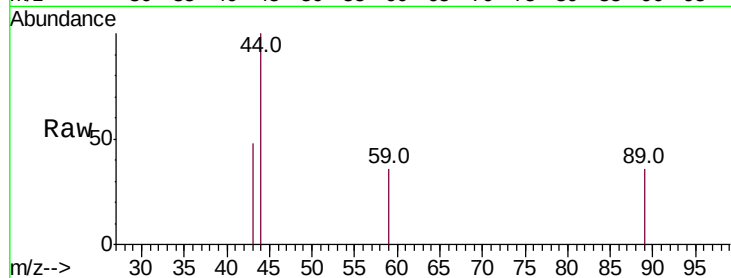


#11

Tert butyl alcohol
 Concen: 0.248 ug/l
 RT: 2.83 min Scan# 515
 Delta R.T. 0.01 min
 Lab File: VU028641.D
 Acq: 12 Dec 2018 10:44

Instrument :
 MSVOA_U
 ClientSampleId :
 TB-01-181210

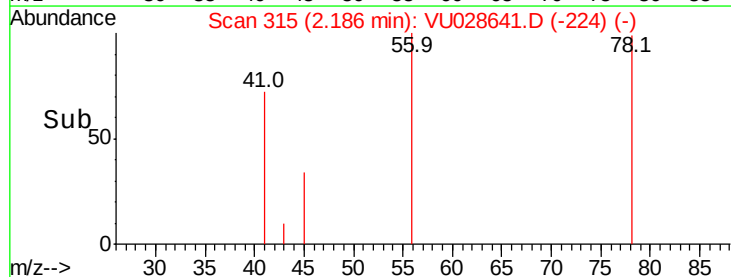
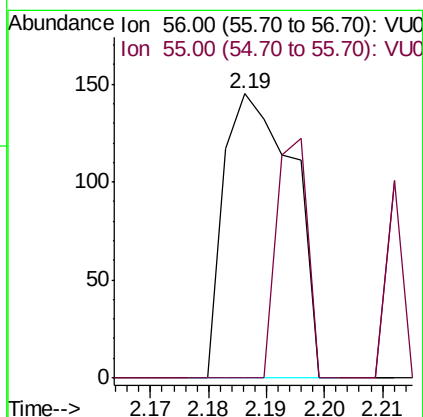
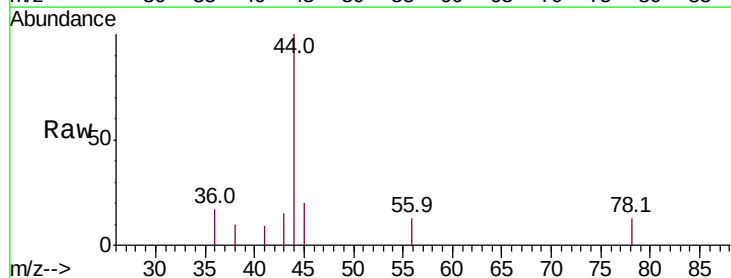
Tot Ion: 59 Resp: 94
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.0 12.0#

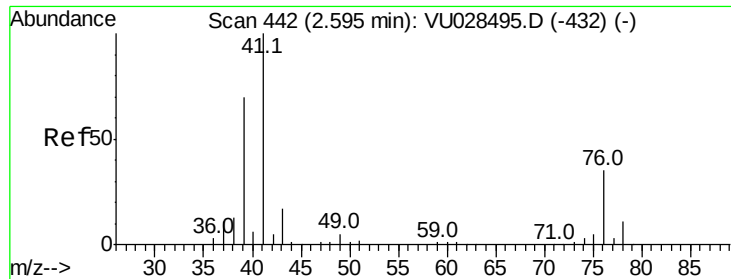


#13

Acrolein
 Concen: 0.394 ug/l
 RT: 2.19 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VU028641.D
 Acq: 12 Dec 2018 10:44

Tgt Ion: 56 Resp: 119
 Ion Ratio Lower Upper
 56 100
 55 38.7 57.5 86.3#





#14

Allvl chloride

Concen: 0.278 ug/l

RT: 2.45 min Scan# 396

Delta R.T. -0.15 min

Lab File: VU028641.D

Acq: 12 Dec 2018 10:44

Instrument :

MSVOA_U

ClientSampleId :

TB-01-181210

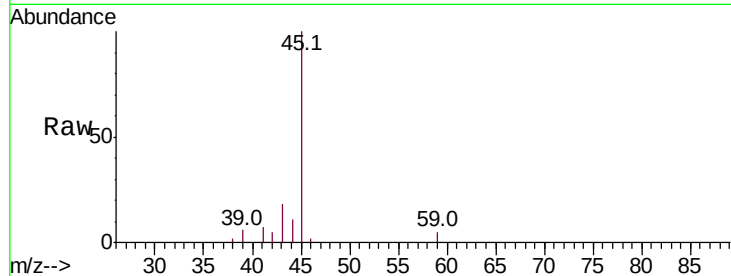
Tot Ion: 41 Resp: 817

Ion Ratio Lower Upper

41 100

39 83.6 50.8 76.2#

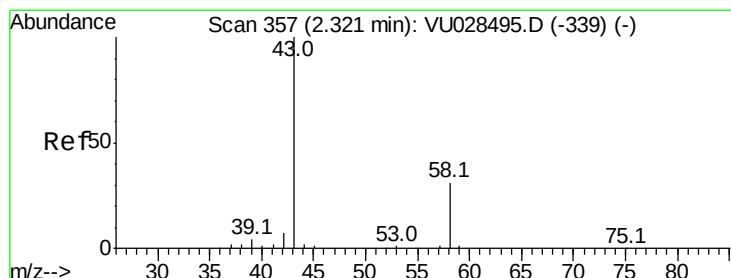
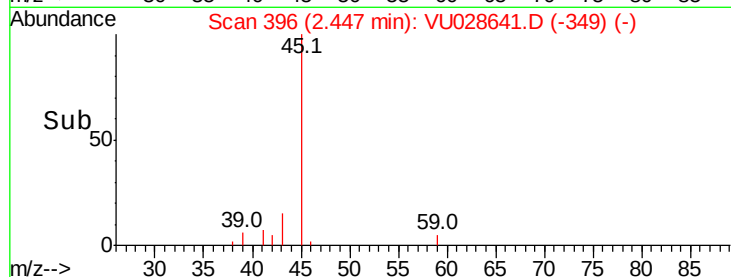
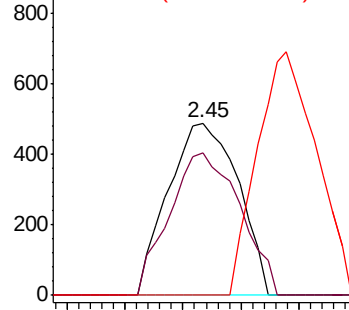
76 0.0 24.8 37.2#



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0



#16

Acetone

Concen: 5.025 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU028641.D

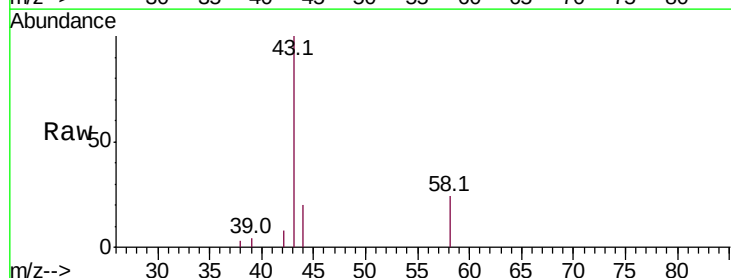
Acq: 12 Dec 2018 10:44

Tgt Ion: 43 Resp: 5574

Ion Ratio Lower Upper

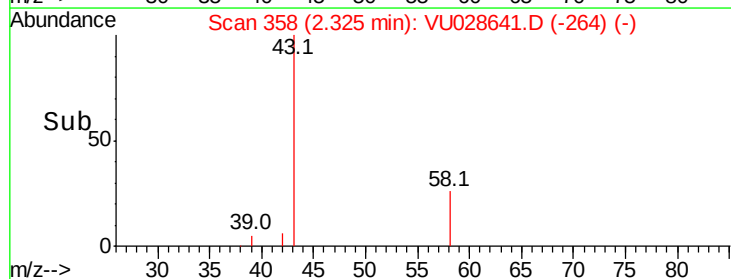
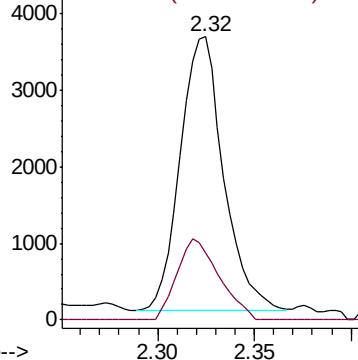
43 100

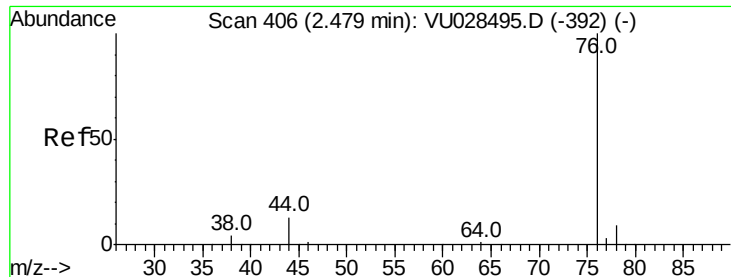
58 24.6 24.6 37.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#17

Carbon Disulfide

Concen: 0.219 ug/l

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU028641.D

Acq: 12 Dec 2018 10:44

Instrument :

MSVOA_U

ClientSampleId :

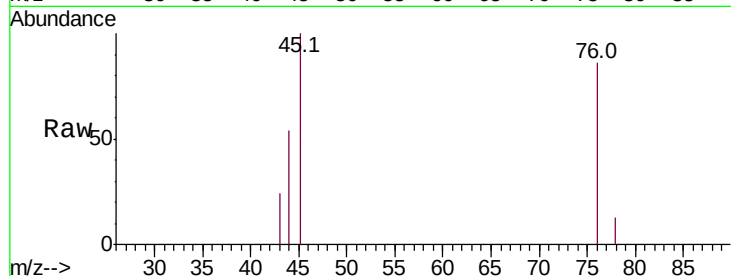
TB-01-181210

Tot Ion: 76 Resp: 978

Ion Ratio Lower Upper

76 100

78 14.5 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

2.48

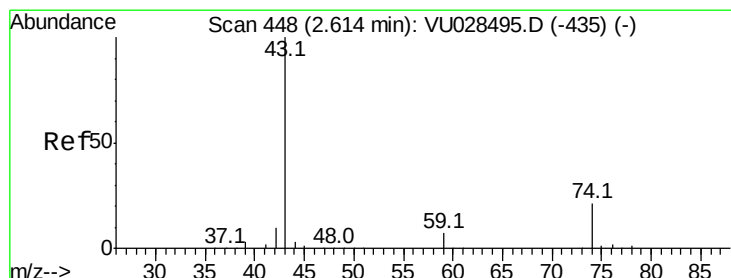
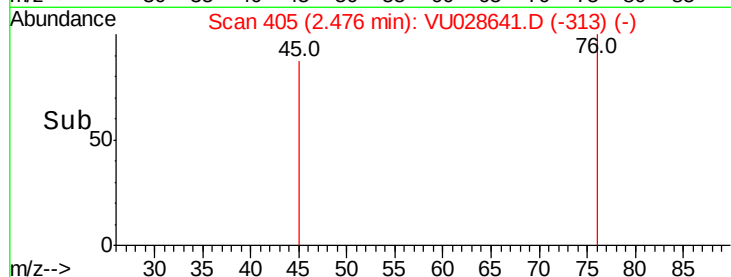
600

400

200

0

Time-->



#18

Methyl Acetate

Concen: 1.654 ug/l

RT: 2.62 min Scan# 450

Delta R.T. 0.01 min

Lab File: VU028641.D

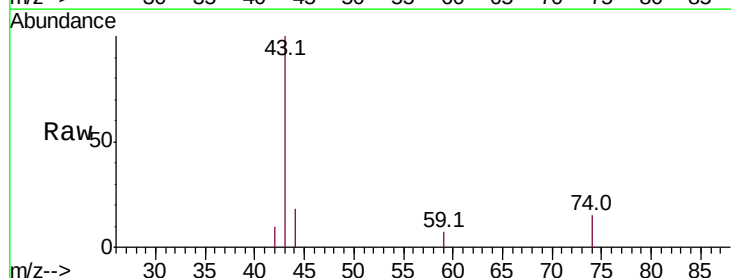
Acq: 12 Dec 2018 10:44

Tgt Ion: 43 Resp: 4755

Ion Ratio Lower Upper

43 100

74 14.9 16.4 24.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.62

2500

2000

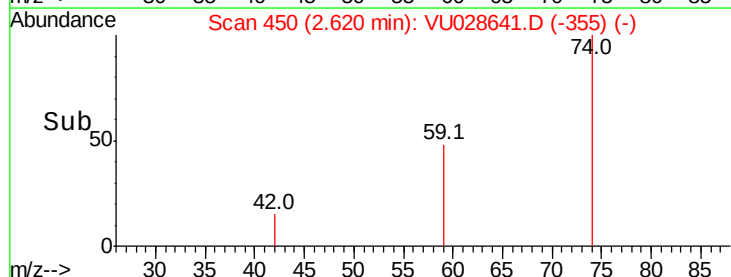
1500

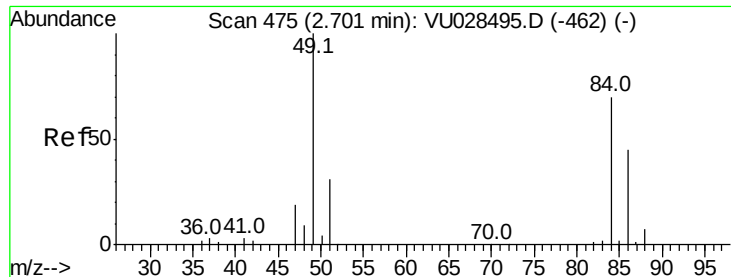
1000

500

0

Time-->

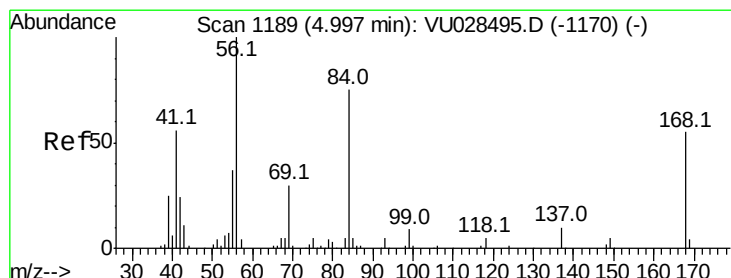
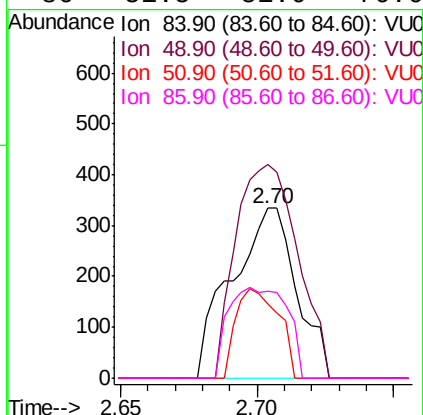
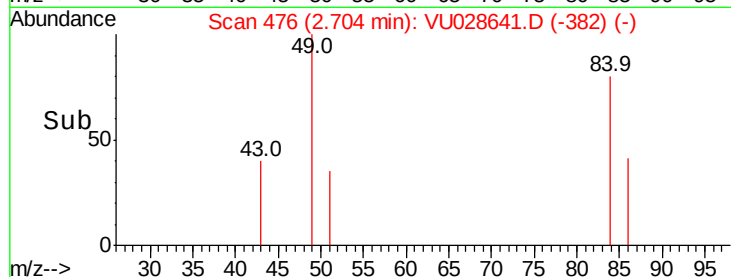
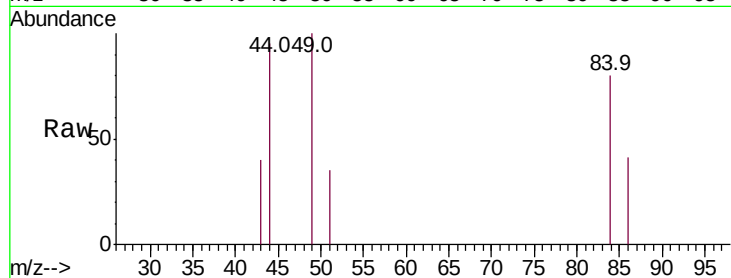




#20
Methylene Chloride
Concen: 0.338 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU028641.D
Acq: 12 Dec 2018 10:44

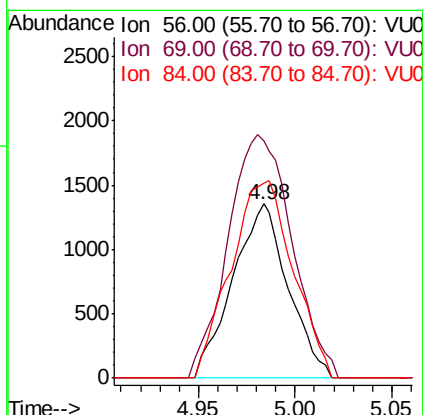
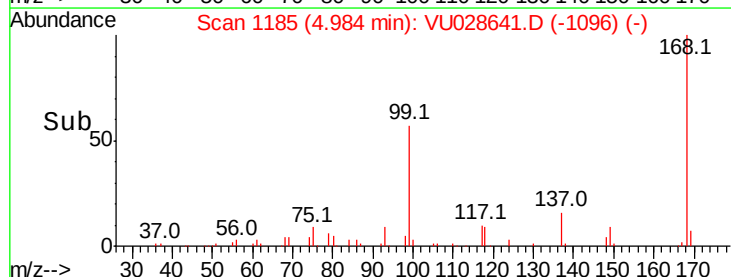
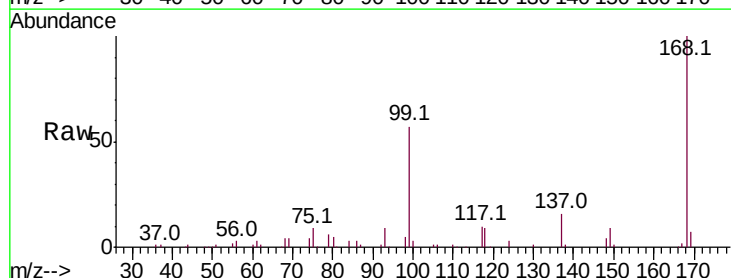
Instrument :
MSVOA_U
ClientSampleId :
TB-01-181210

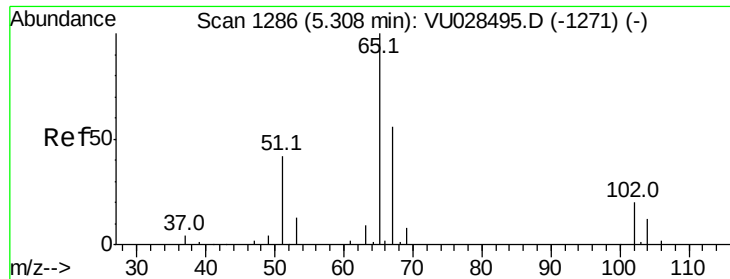
Tot Ion:	84	Resp:	552
Ion	Ratio	Lower	Upper
84	100		
49	125.7	114.0	171.0
51	43.7	35.1	52.7
86	51.5	51.0	76.6



#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU028641.D
Acq: 12 Dec 2018 10:44

Tgt Ion:	56	Resp:	2691
Ion	Ratio	Lower	Upper
56	100		
69	136.3	24.0	36.0#
84	111.8	59.7	89.5#

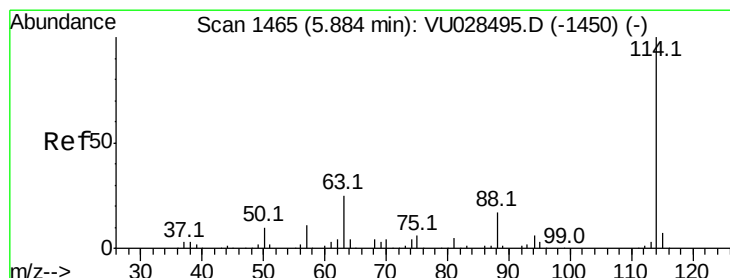
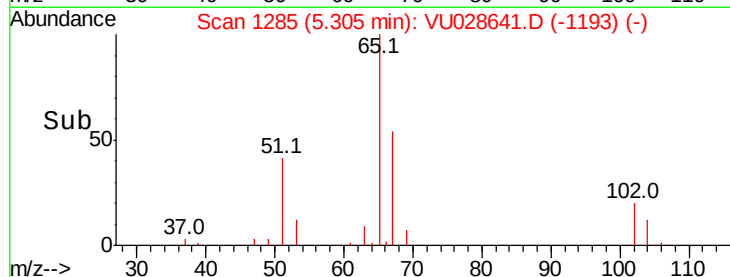
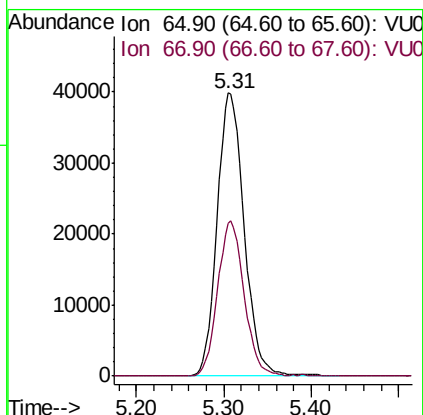
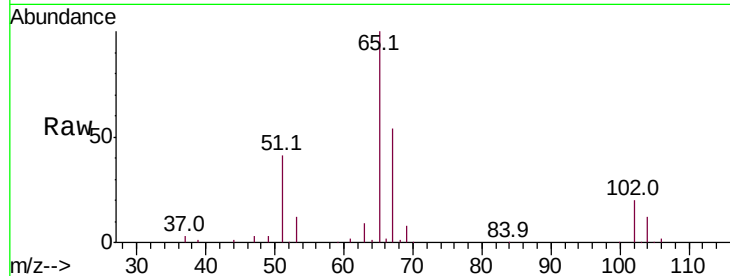




#33
 1,2-Dichloroethane-d4
 Concen: 50.287 ug/l
 RT: 5.31 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VU028641.D
 Acq: 12 Dec 2018 10:44

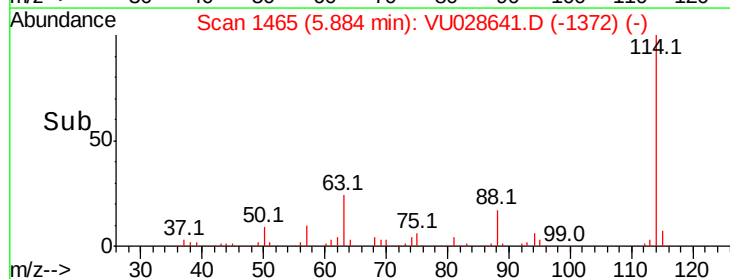
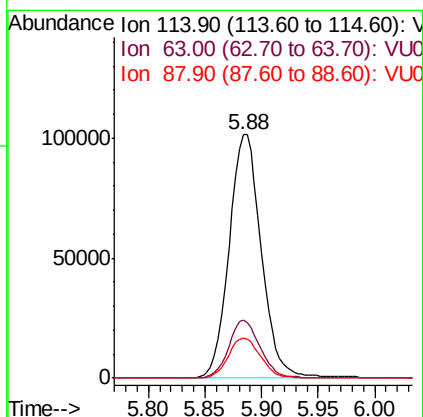
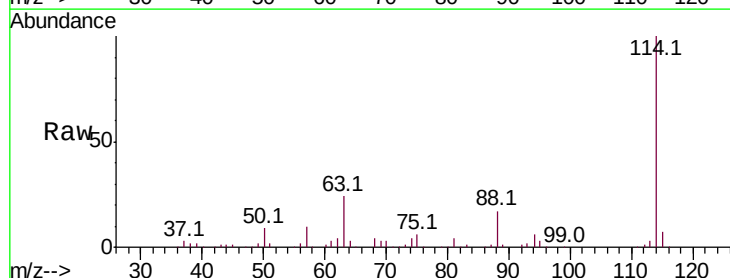
Instrument :
 MSVOA_U
 ClientSampleId :
 TB-01-181210

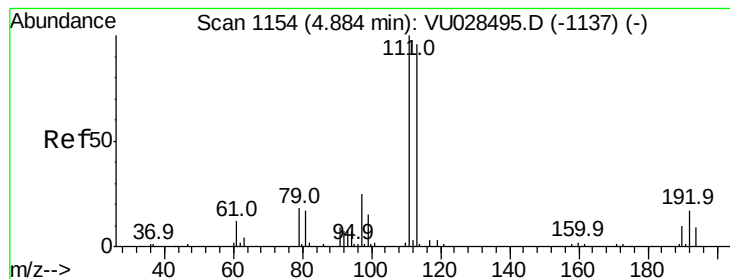
Tot Ion: 65 Resp: 85476
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. -0.00 min
 Lab File: VU028641.D
 Acq: 12 Dec 2018 10:44

Tgt Ion: 114 Resp: 201092
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 49.2
 88 16.6 0.0 33.4





#35

Dibromofluoromethane

Concen: 51.610 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028641.D

Acq: 12 Dec 2018 10:44

Instrument :

MSVOA_U

ClientSampleId :

TB-01-181210

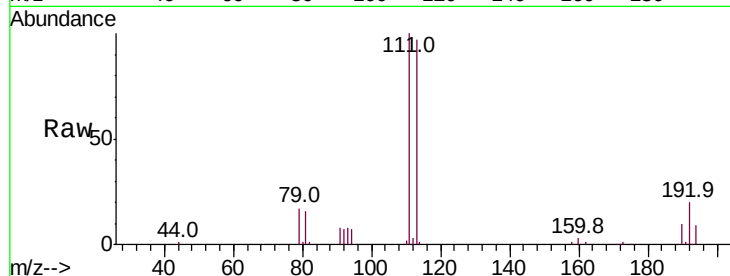
Tot Ion:113 Resp: 65312

Ion Ratio Lower Upper

113 100

111 104.6 83.4 125.0

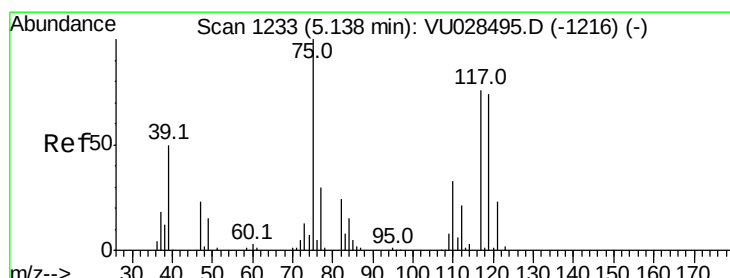
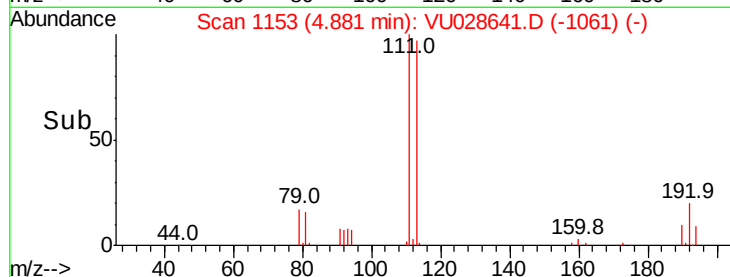
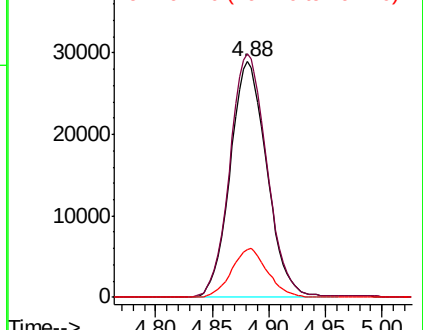
192 20.3 14.8 22.2



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: 4.277 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028641.D

Acq: 12 Dec 2018 10:44

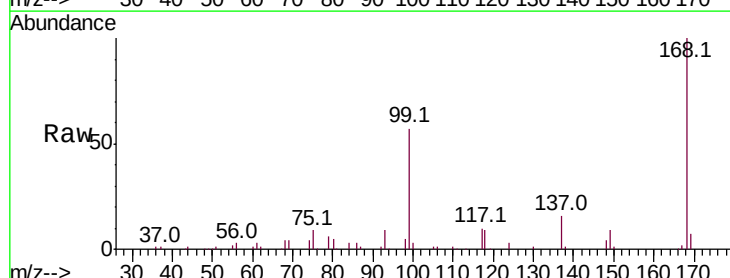
Tgt Ion: 75 Resp: 9412

Ion Ratio Lower Upper

75 100

110 6.2 16.1 48.2#

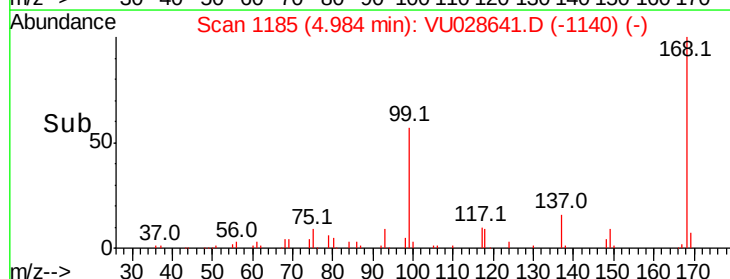
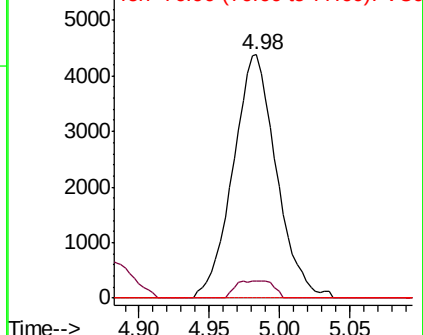
77 0.0 24.5 36.7#

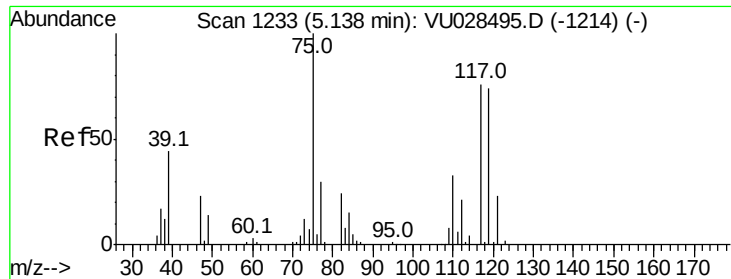


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 5.982 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028641.D

Acq: 12 Dec 2018 10:44

Instrument :

MSVOA_U

ClientSampleId :

TB-01-181210

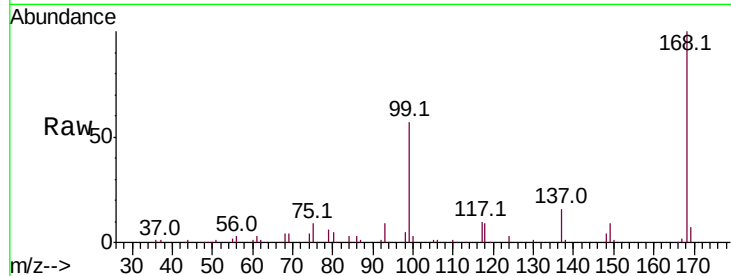
Tot Ion:117 Resp: 10610

Ion Ratio Lower Upper

117 100

119 4.1 77.6 116.4#

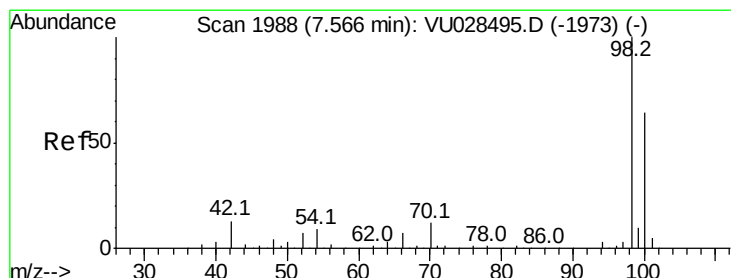
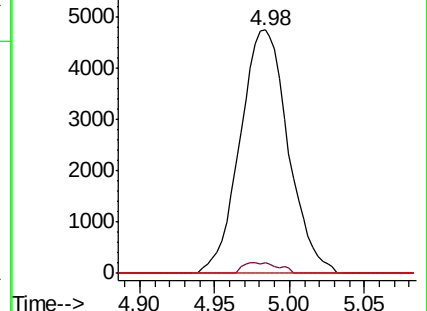
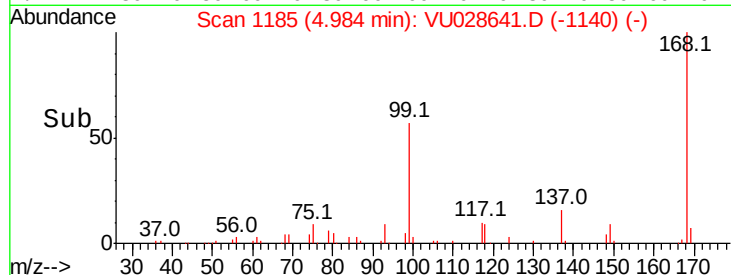
121 0.0 24.6 36.8#



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: 50.806 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028641.D

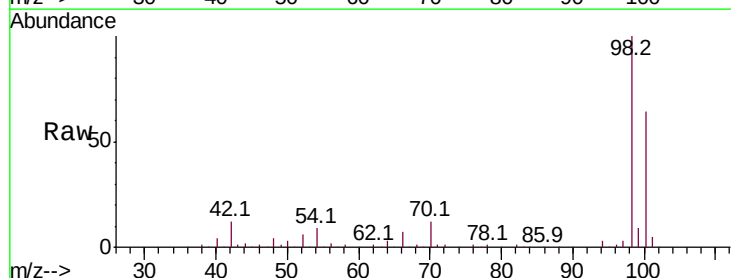
Acq: 12 Dec 2018 10:44

Tgt Ion: 98 Resp: 254335

Ion Ratio Lower Upper

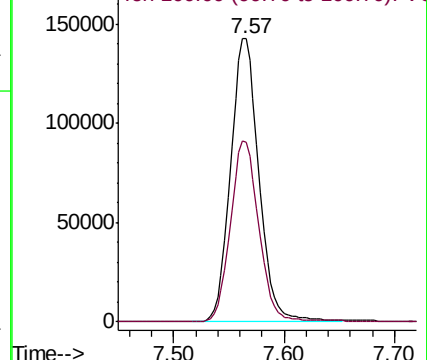
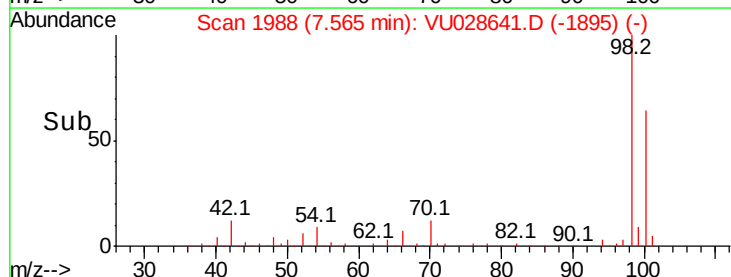
98 100

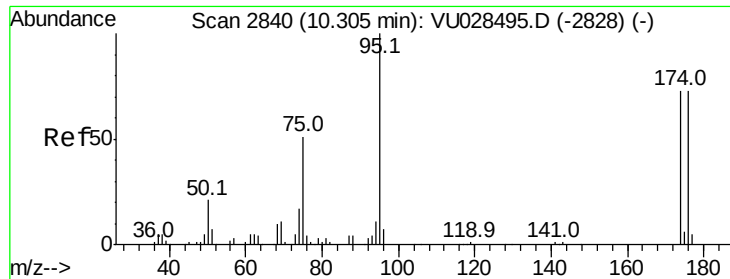
100 64.4 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#62

4-Bromofluorobenzene

Concen: 44.540 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028641.D

Acq: 12 Dec 2018 10:44

Instrument :

MSVOA_U

ClientSampleId :

TB-01-181210

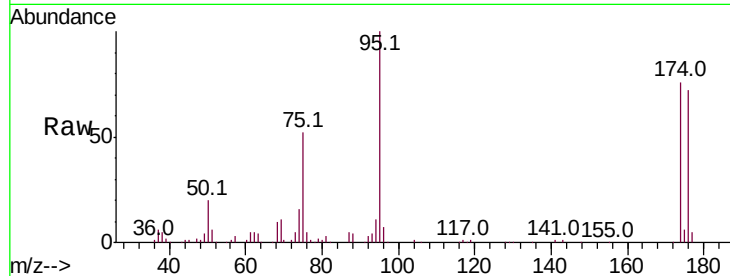
Tot Ion: 95 Resp: 83337

Ion Ratio Lower Upper

95 100

174 76.3 0.0 150.4

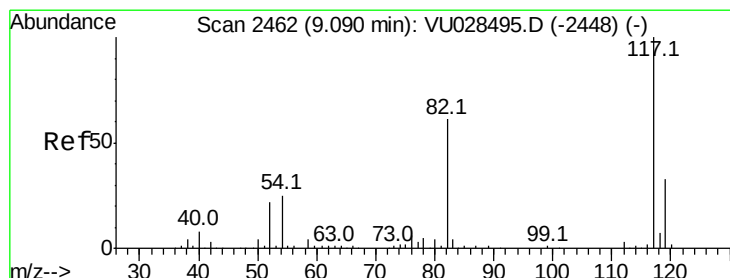
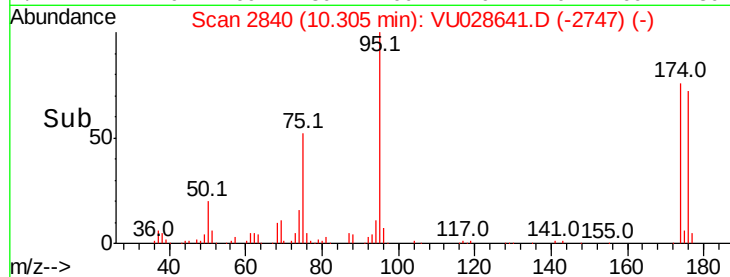
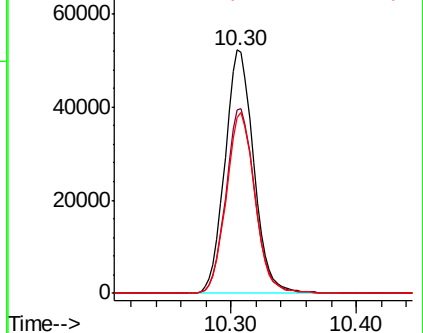
176 73.6 0.0 145.2



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: VU028641.D

Acq: 12 Dec 2018 10:44

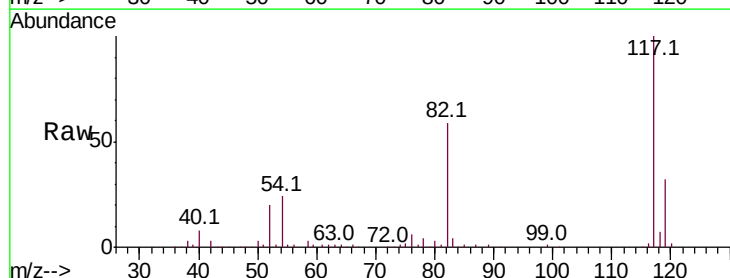
Tgt Ion: 117 Resp: 177305

Ion Ratio Lower Upper

117 100

82 58.9 48.9 73.3

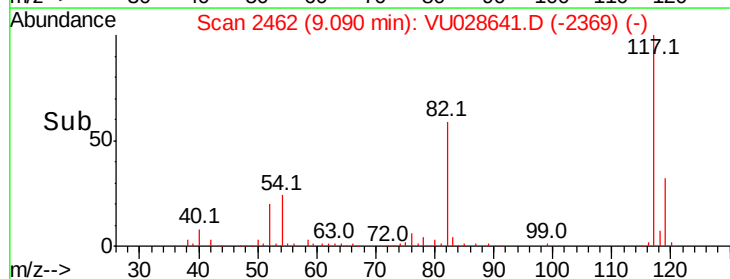
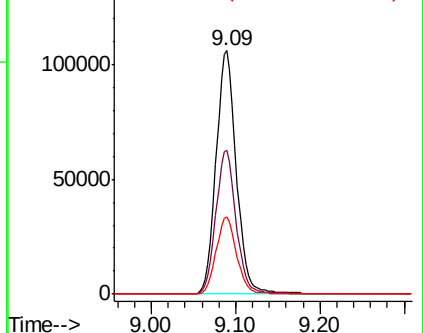
119 31.9 26.2 39.4

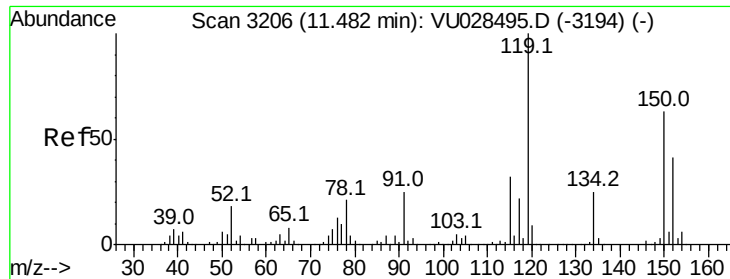


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V

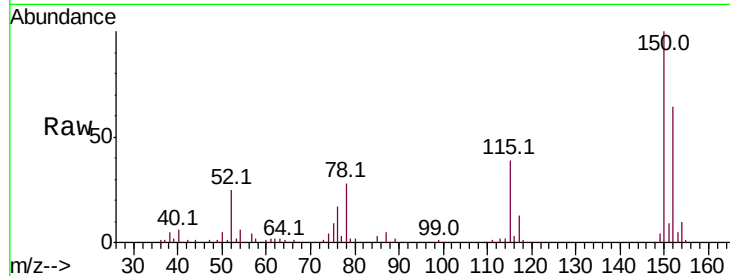




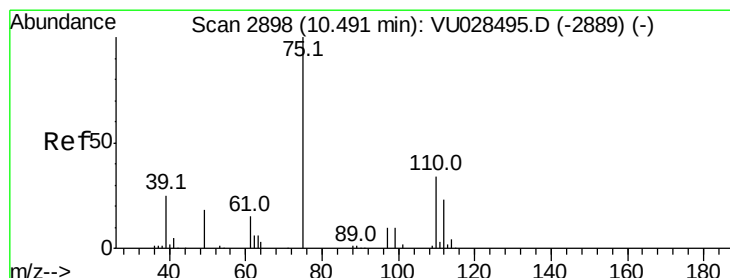
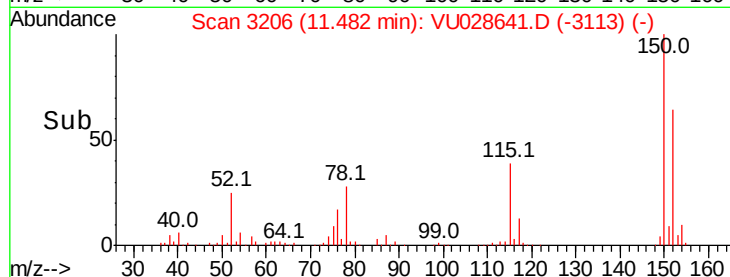
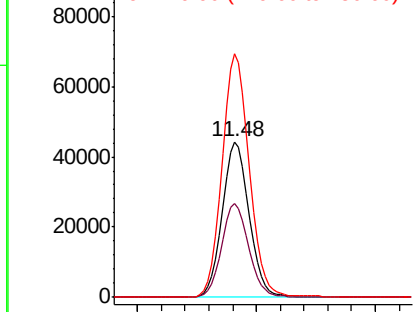
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.48 min Scan# 3206
 Delta R.T. -0.00 min
 Lab File: VU028641.D
 Acq: 12 Dec 2018 10:44

Instrument :
 MSVOA_U
 ClientSampleId :
 TB-01-181210

Tot Ion:152 Resp: 69401
 Ion Ratio Lower Upper
 152 100
 115 60.9 42.7 128.1
 150 157.8 0.0 346.0

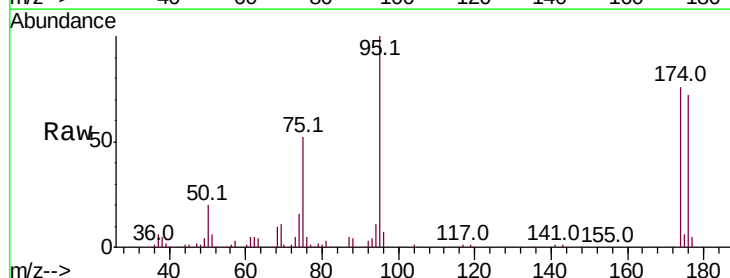


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

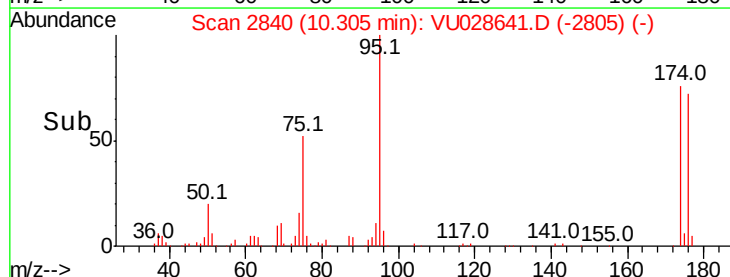
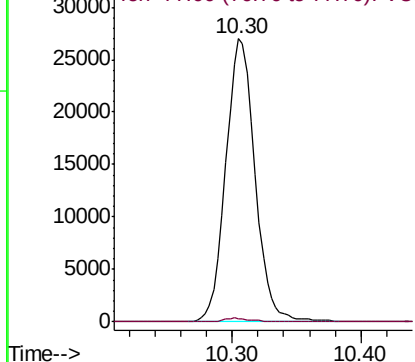


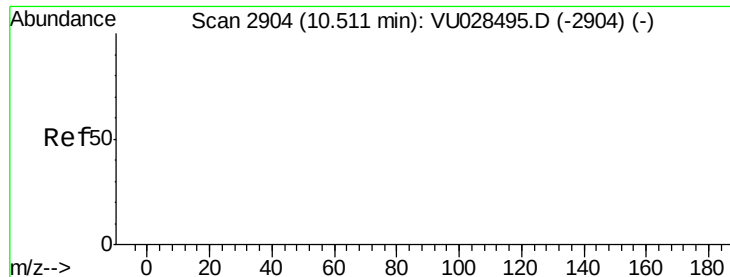
#76
 1,2,3-Trichloropropane
 Concen: 23.924 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.19 min
 Lab File: VU028641.D
 Acq: 12 Dec 2018 10:44

Tgt Ion: 75 Resp: 42397
 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: 58.728 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU028641.D

Acq: 12 Dec 2018 10:44

Instrument :

MSVOA_U

ClientSampleId :

TB-01-181210

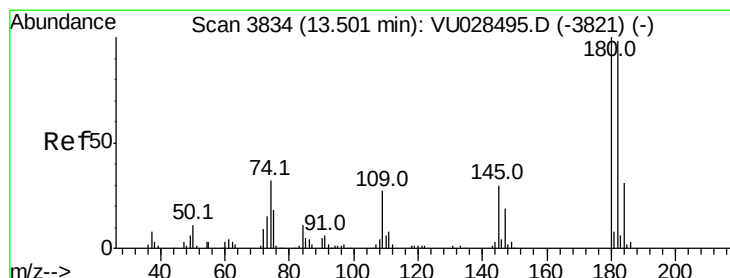
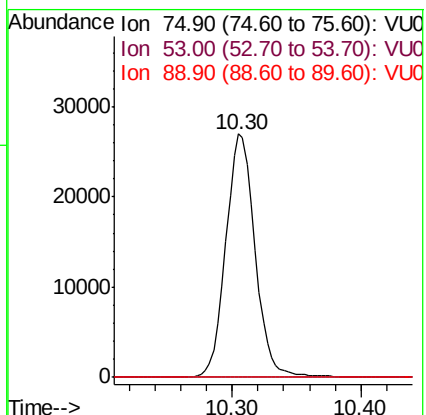
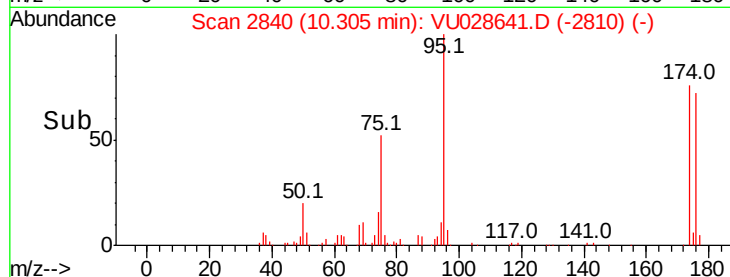
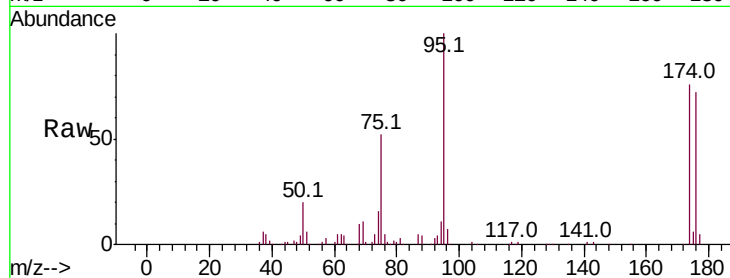
Tot Ion: 75 Resp: 42397

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#93

1,2,4-Trichlorobenzene

Concen: 1.061 ug/l

RT: 13.51 min Scan# 3838

Delta R.T. 0.01 min

Lab File: VU028641.D

Acq: 12 Dec 2018 10:44

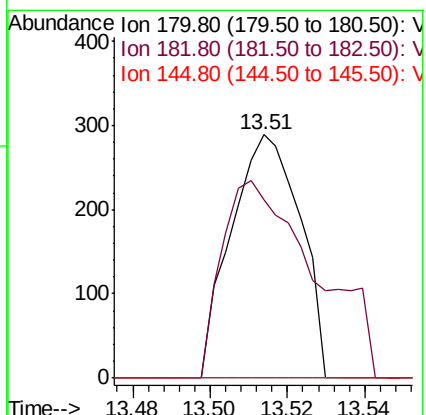
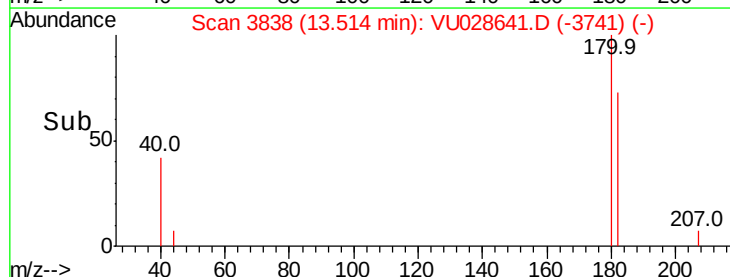
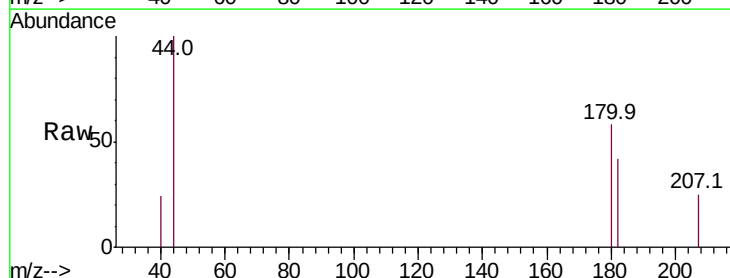
Tgt Ion:180 Resp: 358

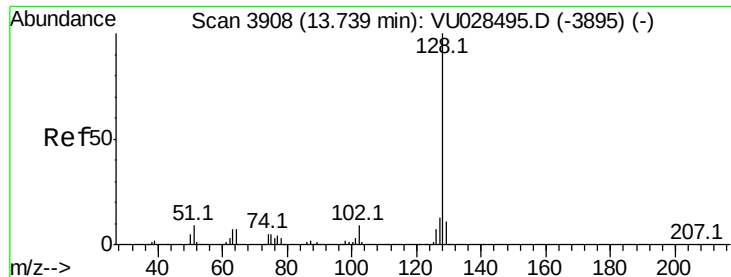
Ion Ratio Lower Upper

180 100

182 108.9 47.9 143.8

145 0.0 15.0 45.1#

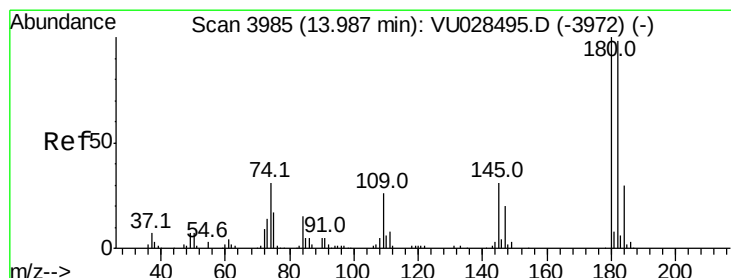
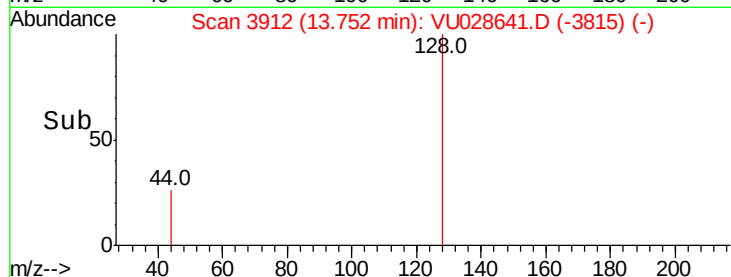
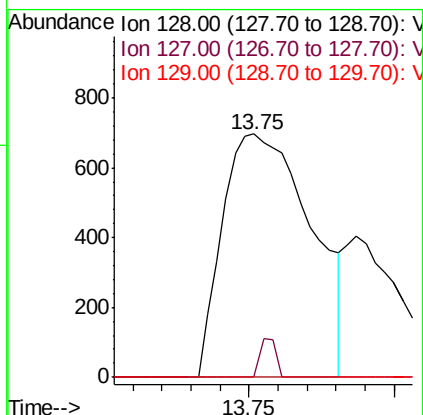
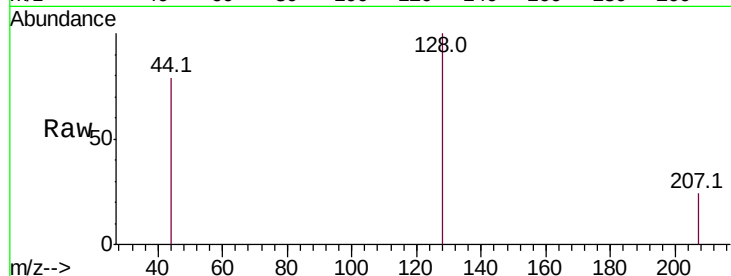




#95
Naphthalene
Concen: 0.261 ug/l
RT: 13.75 min Scan# 3912
Delta R.T. 0.01 min
Lab File: VU028641.D
Acq: 12 Dec 2018 10:44

Instrument :
MSVOA_U
ClientSampleId :
TB-01-181210

Tot Ion:128 Resp: 1475
Ion Ratio Lower Upper
128 100
127 2.8 10.4 15.6#
129 0.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.423 ug/l
RT: 13.99 min Scan# 3987
Delta R.T. 0.01 min
Lab File: VU028641.D
Acq: 12 Dec 2018 10:44

Tgt Ion:180 Resp: 446
Ion Ratio Lower Upper
180 100
182 83.9 48.2 144.6
145 0.0 15.8 47.3#

