

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092618\
 Data File : VU027156.D
 Acq On : 26 Sep 2018 03:15
 Operator : MD/SY
 Sample : J4980-11
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-TT-MW30411-20180917

Quant Time: Sep 26 06:04:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	90125	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	150930	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	148413	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	68123	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	96535	53.22	ug/l	0.00
Spiked Amount			Recovery	=	106.44%	
35) Dibromofluoromethane	4.88	113	66408	50.76	ug/l	0.00
Spiked Amount			Recovery	=	101.52%	
50) Toluene-d8	7.57	98	245881	49.32	ug/l	0.00
Spiked Amount			Recovery	=	98.64%	
62) 4-Bromofluorobenzene	10.31	95	80437	47.02	ug/l	0.00
Spiked Amount			Recovery	=	94.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.79	64	474	0.392	ug/l #	43
11) Tert butyl alcohol	2.85	59	520	1.251	ug/l #	72
14) Allyl chloride	2.44	41	3381	1.339	ug/l #	71
16) Acetone	2.32	43	1039	Below Cal	#	77
18) Methyl Acetate	2.44	43	8550	3.312	ug/l #	55
31) Cyclohexane	4.98	56	2328	0.289	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	9059	4.497	ug/l #	48
38) Carbon Tetrachloride	4.99	117	9680	5.050	ug/l #	18
51) 4-Methyl-2-Pentanone	7.57	43	1229	0.459	ug/l #	1
60) Dibromochloromethane	8.23	129	624	0.428	ug/l #	11
64) Tetrachloroethene	8.23	164	589	0.515	ug/l	88
76) 1,2,3-Trichloropropane	10.31	75	43289	20.917	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	43289	66.938	ug/l #	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027156.D

Acq: 26 Sep 2018 03:15

Instrument :

MSVOA_U

ClientSampleId :

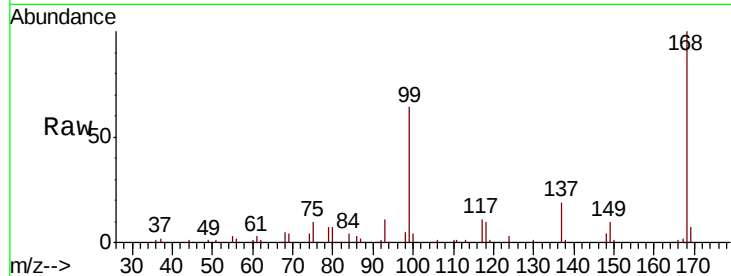
BPSI-TT-MW30411-20180917

Tot Ion:168 Resp: 90125

Ion Ratio Lower Upper

168 100

99 64.2 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): VU026969.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU026969.D (-1169) (-)

4.99

40000

30000

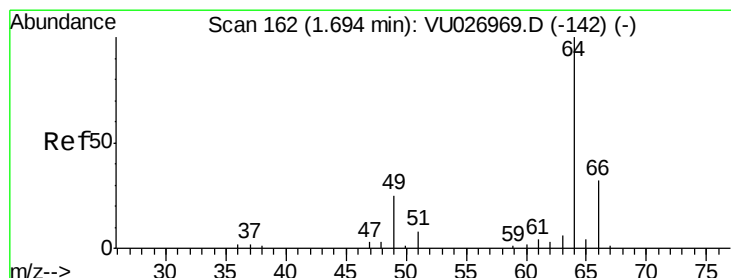
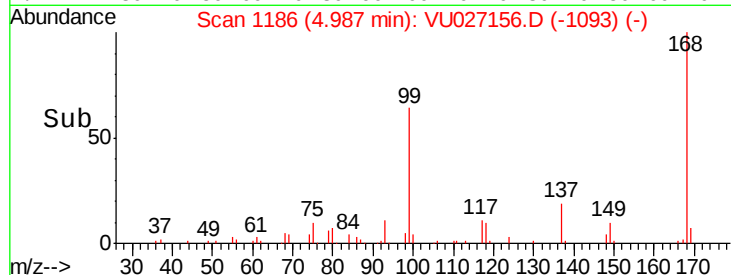
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#6

Chloroethane

Concen: 0.392 ug/l

RT: 1.79 min Scan# 191

Delta R.T. 0.09 min

Lab File: VU027156.D

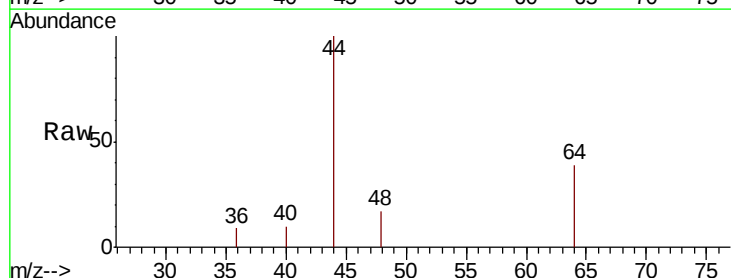
Acq: 26 Sep 2018 03:15

Tgt Ion: 64 Resp: 474

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VU026969.D (-142) (-)

Ion 65.90 (65.60 to 66.60): VU026969.D (-142) (-)

1.79

600

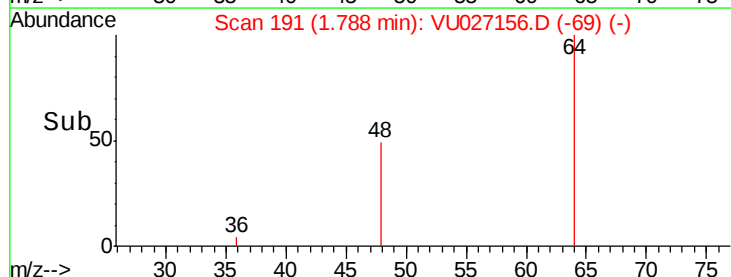
400

200

0

1.76 1.78 1.80 1.82 1.84

Time-->



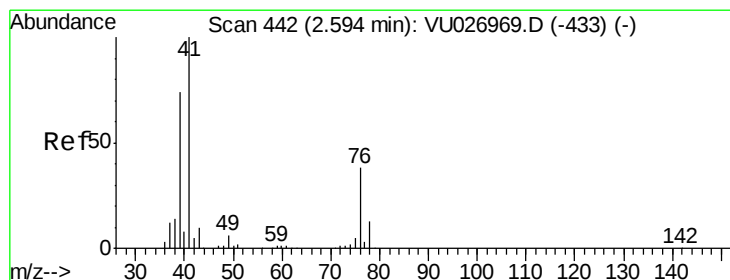
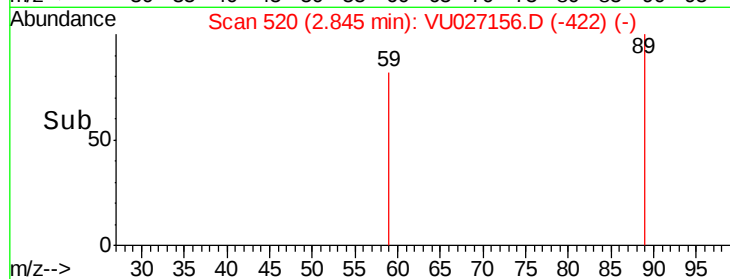
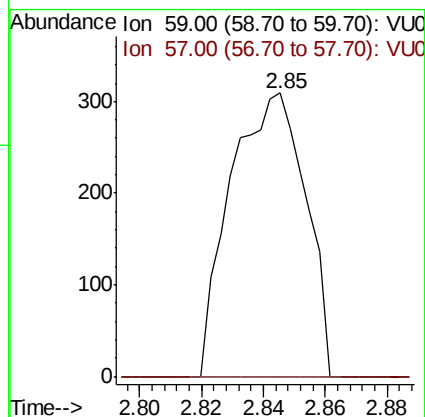
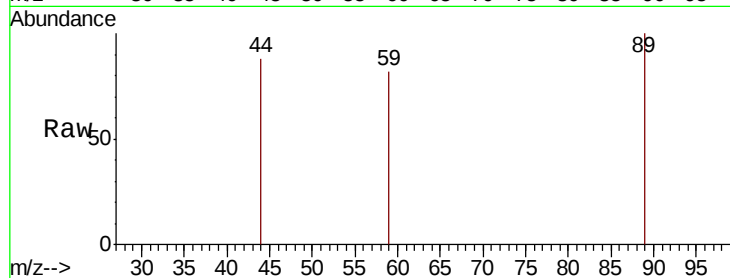


#11

Tert butyl alcohol
 Concen: 1.251 ug/l
 RT: 2.85 min Scan# 520
 Delta R.T. 0.02 min
 Lab File: VU027156.D
 Acq: 26 Sep 2018 03:15

Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-TT-MW30411-20180917

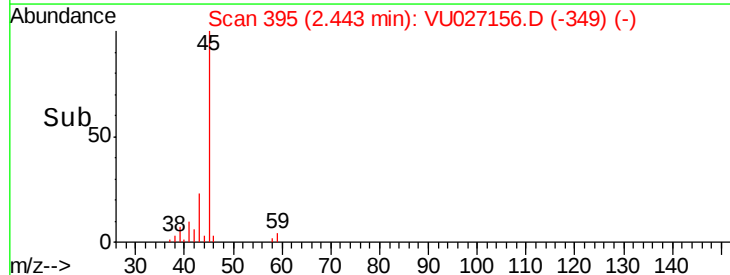
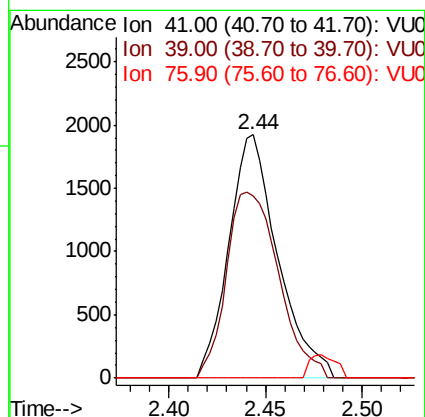
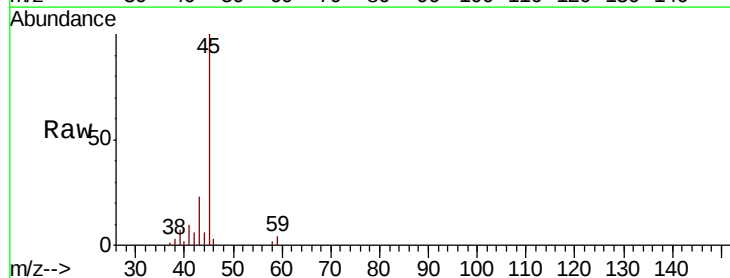
Tot Ion: 59 Resp: 520
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#



#14

Allyl chloride
 Concen: 1.339 ug/l
 RT: 2.44 min Scan# 395
 Delta R.T. -0.15 min
 Lab File: VU027156.D
 Acq: 26 Sep 2018 03:15

Tgt Ion: 41 Resp: 3381
 Ion Ratio Lower Upper
 41 100
 39 81.9 55.7 83.5
 76 0.0 26.5 39.7#





#16

Acetone

Concen: Below Cal

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027156.D

Acq: 26 Sep 2018 03:15

Instrument :

MSVOA_U

ClientSampleId :

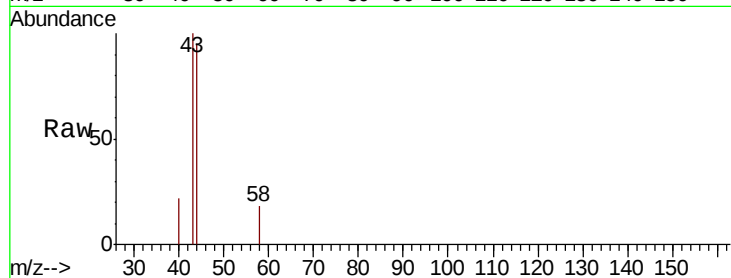
BPSI-TT-MW30411-20180917

Tot Ion: 43 Resp: 1039

Ion Ratio Lower Upper

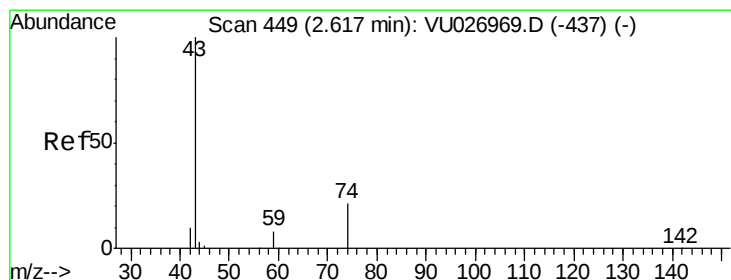
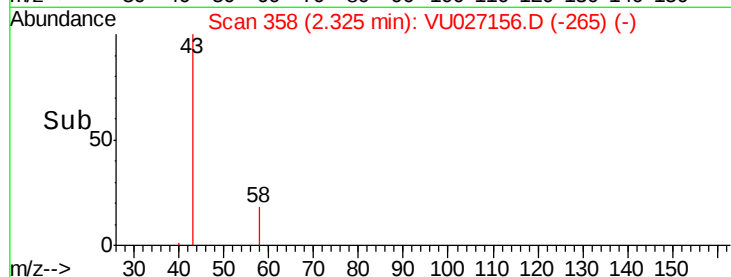
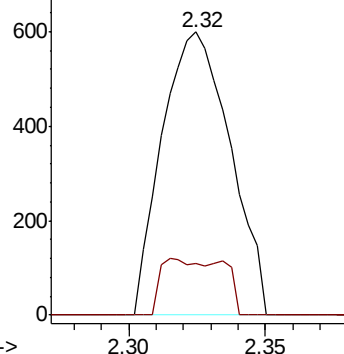
43 100

58 18.4 24.6 36.8#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#18

Methyl Acetate

Concen: 3.312 ug/l

RT: 2.44 min Scan# 395

Delta R.T. -0.17 min

Lab File: VU027156.D

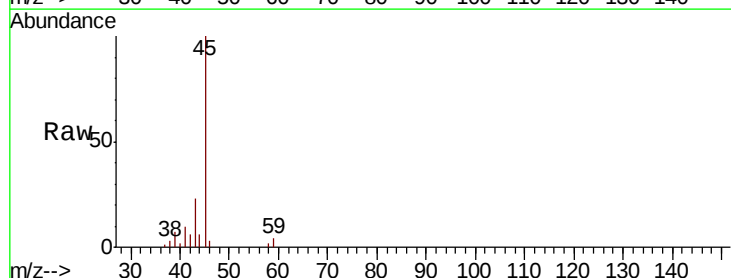
Acq: 26 Sep 2018 03:15

Tgt Ion: 43 Resp: 8550

Ion Ratio Lower Upper

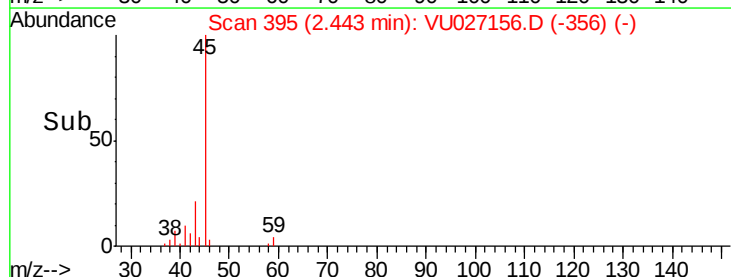
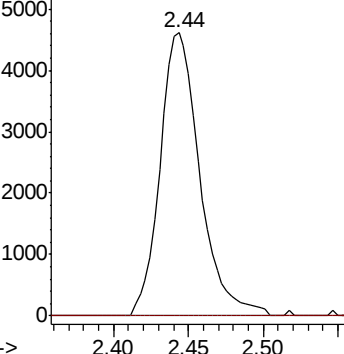
43 100

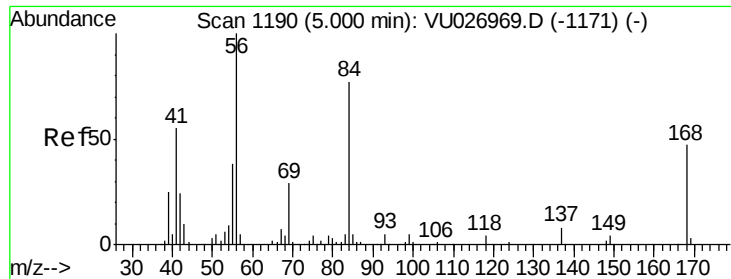
74 0.0 16.6 25.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

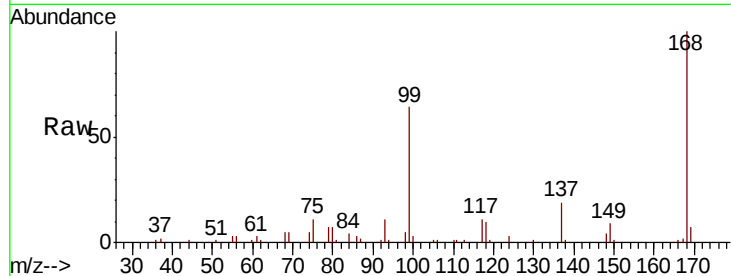




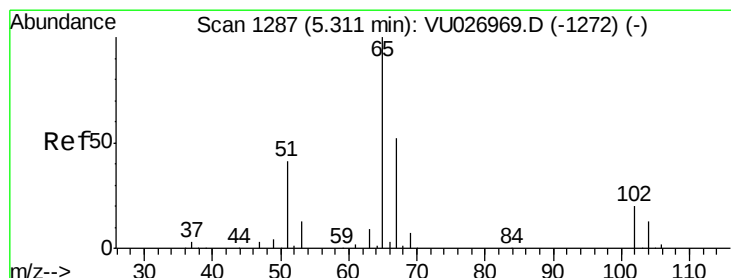
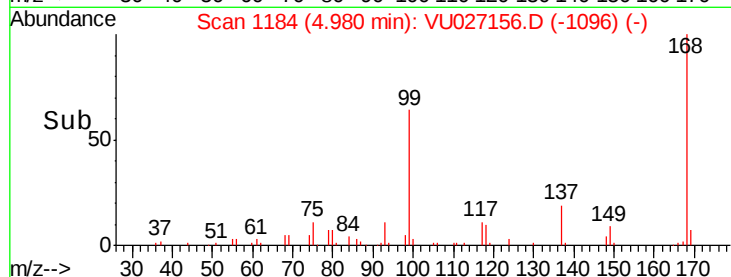
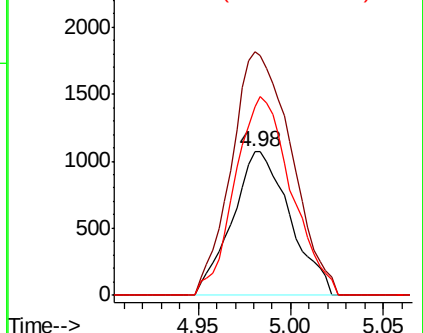
#31
Cyclohexane
Concen: 0.289 ug/l
RT: 4.98 min Scan# 1184
Delta R.T. -0.02 min
Lab File: VU027156.D
Acq: 26 Sep 2018 03:15

Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW30411-20180917

Tot Ion: 56 Resp: 2328
Ion Ratio Lower Upper
56 100
69 169.4 23.0 34.4#
84 131.4 61.4 92.2#

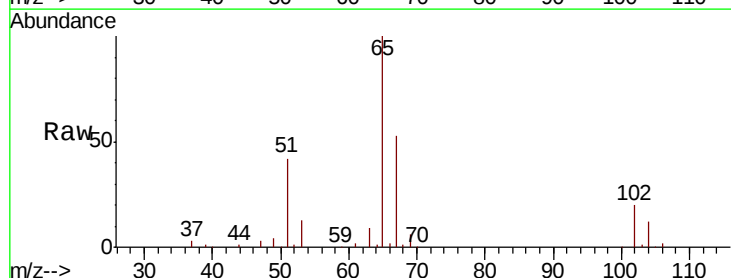


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

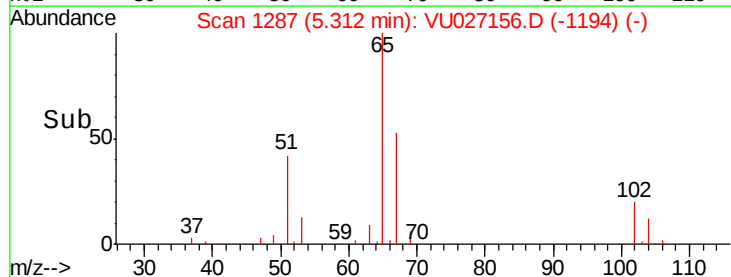
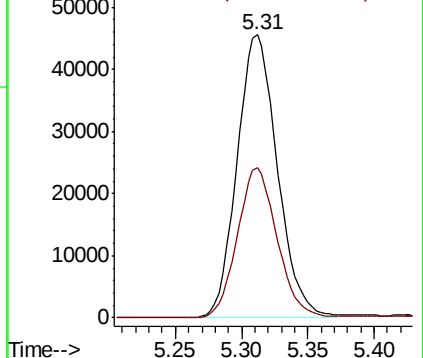


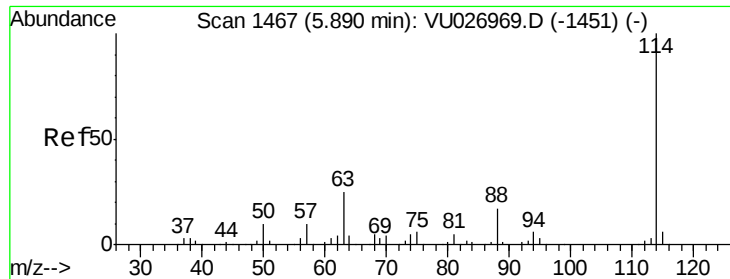
#33
1,2-Dichloroethane-d4
Concen: 53.219 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU027156.D
Acq: 26 Sep 2018 03:15

Tgt Ion: 65 Resp: 96535
Ion Ratio Lower Upper
65 100
67 52.2 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0

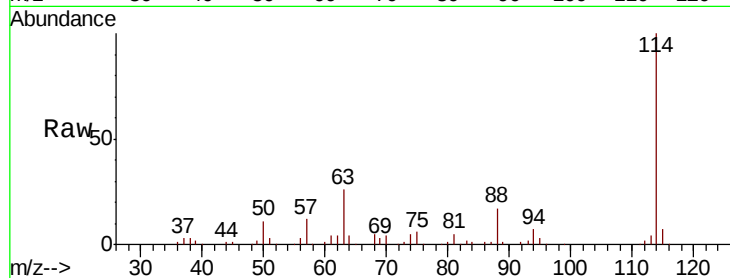




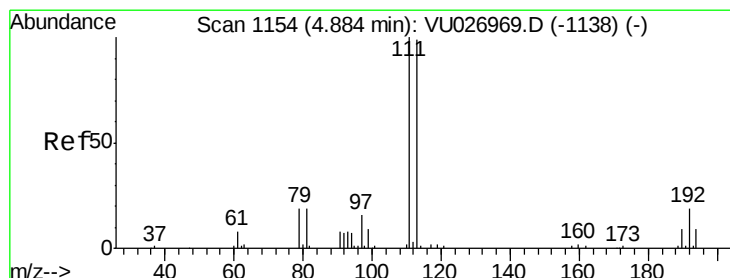
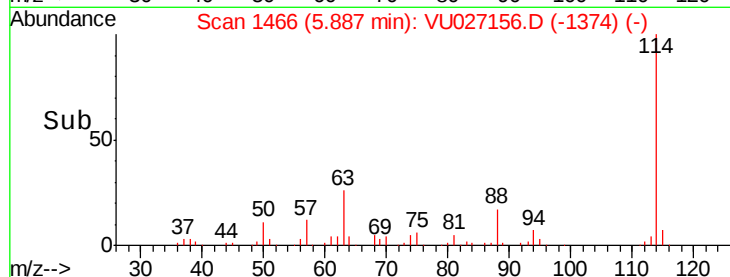
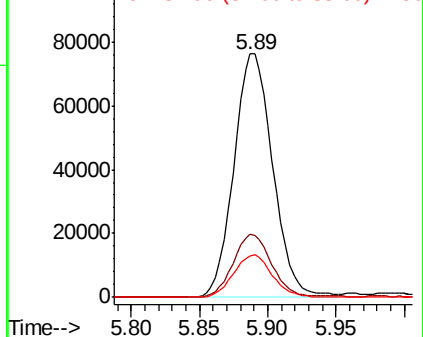
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027156.D
 Acq: 26 Sep 2018 03:15

Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-TT-MW30411-20180917

Tot Ion:114 Resp: 150930
 Ion Ratio Lower Upper
 114 100
 63 25.9 0.0 49.2
 88 16.9 0.0 33.8

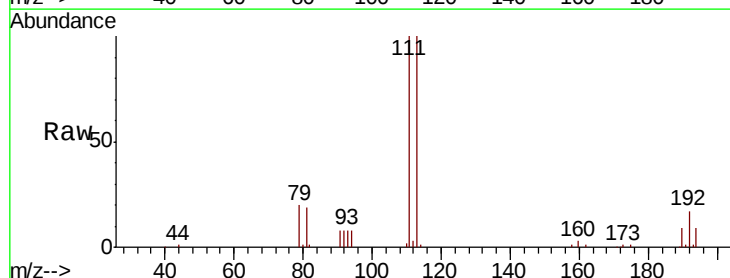


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

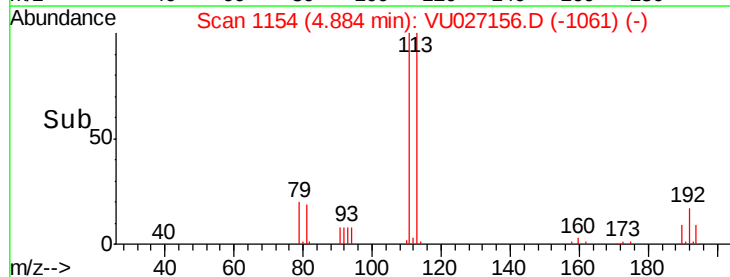
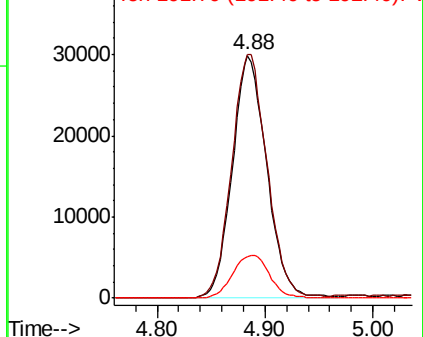


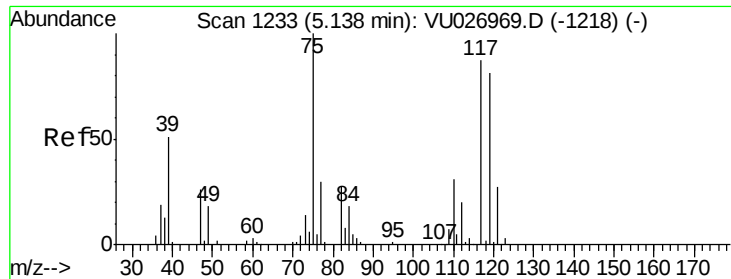
#35
 Dibromofluoromethane
 Concen: 50.760 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VU027156.D
 Acq: 26 Sep 2018 03:15

Tgt Ion:113 Resp: 66408
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.2 123.4
 192 18.8 15.2 22.8



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

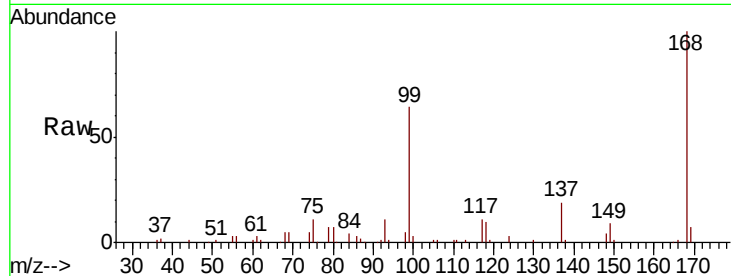




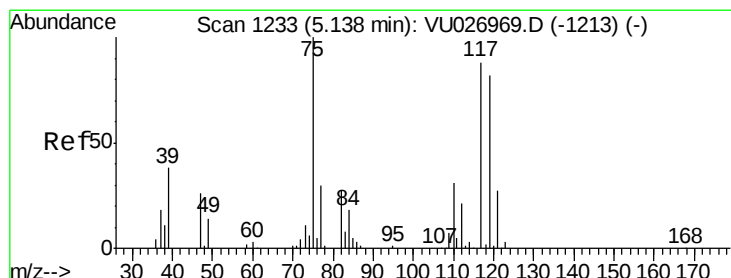
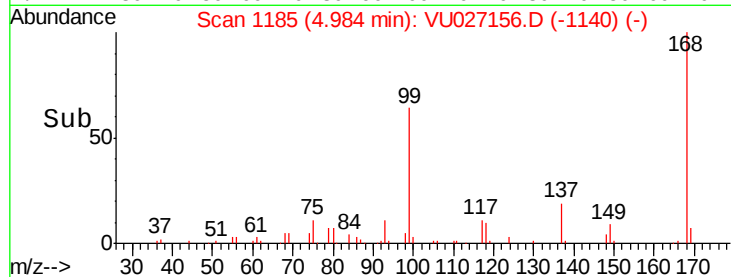
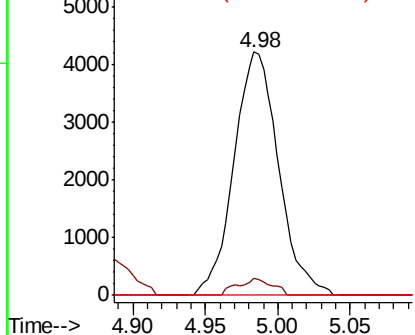
#36
 1,1-Dichloropropene
 Concen: 4.497 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU027156.D
 Acq: 26 Sep 2018 03:15

Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-TT-MW30411-20180917

Tot Ion	Ratio	Lower	Upper
75	100		
110	5.3	16.1	48.2#
77	0.0	24.6	36.8#

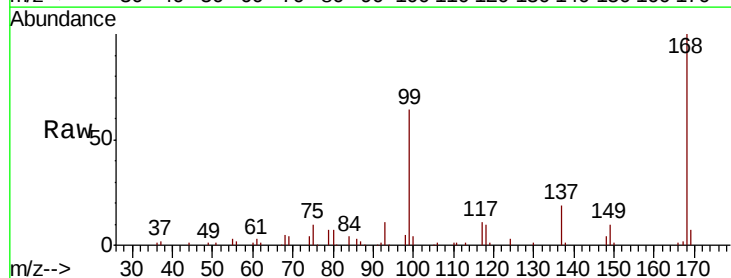


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

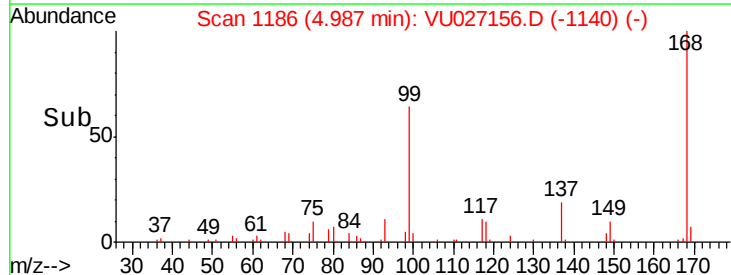
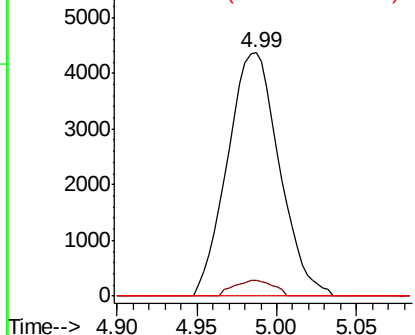


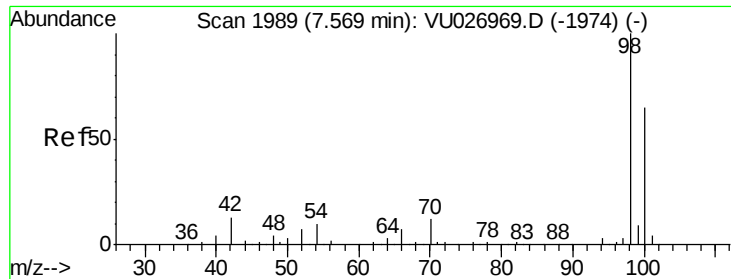
#38
 Carbon Tetrachloride
 Concen: 5.050 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027156.D
 Acq: 26 Sep 2018 03:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.4	74.4	111.6#
121	0.0	24.2	36.4#



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

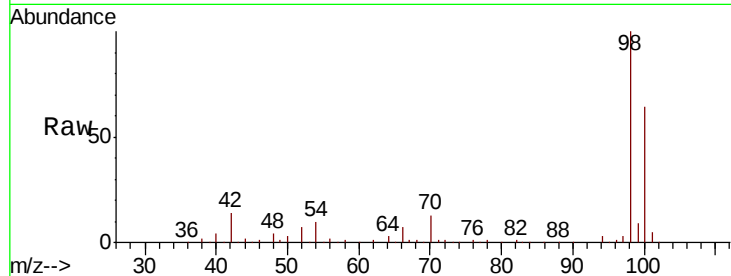




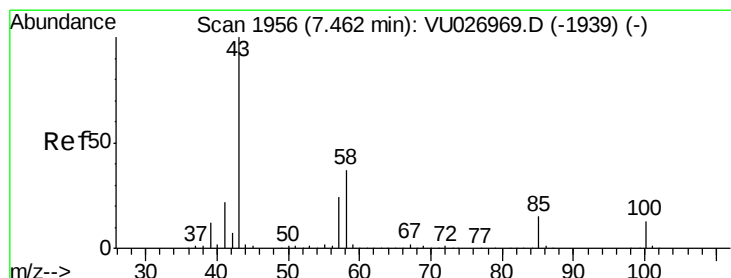
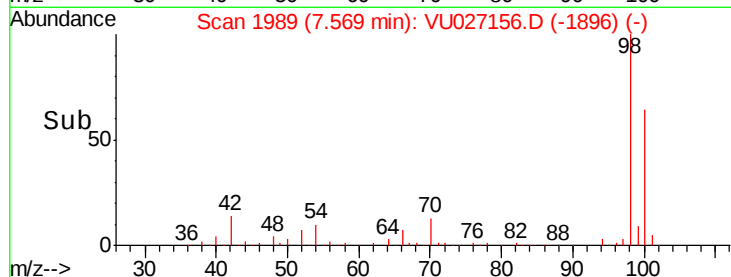
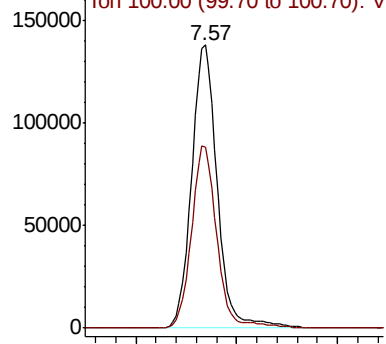
#50
Toluene-d8
Concen: 49.316 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027156.D
Acq: 26 Sep 2018 03:15

Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW30411-20180917

Tot Ion: 98 Resp: 245881
Ion Ratio Lower Upper
98 100
100 63.7 52.1 78.1

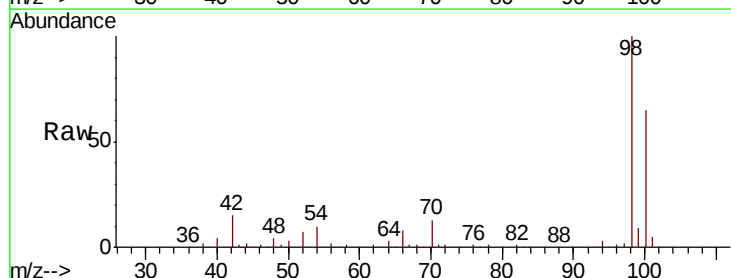


Abundance Ion 98.00 (97.70 to 98.70): VU026969.D (-1974) (-)
Ion 100.00 (99.70 to 100.70): VU026969.D (-1974) (-)

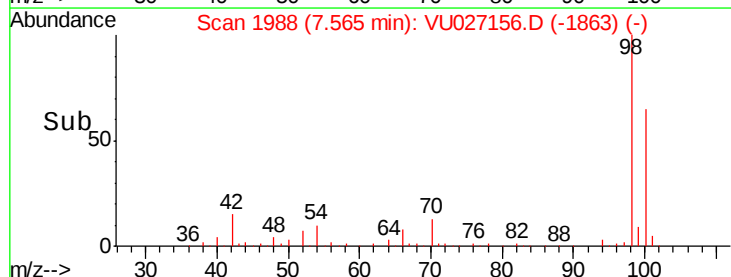
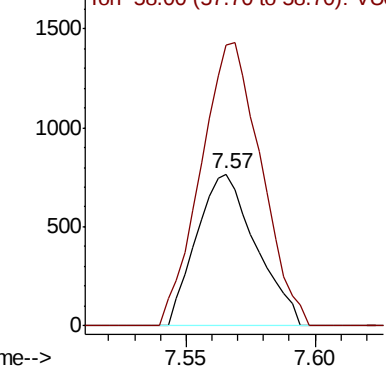


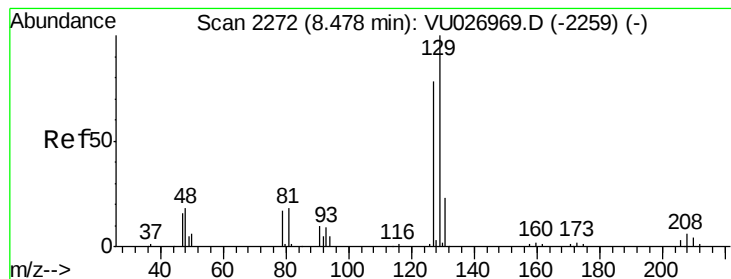
#51
4-Methyl-2-Pentanone
Concen: 0.459 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. 0.10 min
Lab File: VU027156.D
Acq: 26 Sep 2018 03:15

Tgt Ion: 43 Resp: 1229
Ion Ratio Lower Upper
43 100
58 190.2 29.8 44.6#



Abundance Ion 43.00 (42.70 to 43.70): VU026969.D (-1939) (-)
Ion 58.00 (57.70 to 58.70): VU026969.D (-1939) (-)





#60

Dibromochloromethane

Concen: 0.428 ug/l

RT: 8.23 min Scan# 2195

Delta R.T. -0.25 min

Lab File: VU027156.D

Acq: 26 Sep 2018 03:15

Instrument :

MSVOA_U

ClientSampleId :

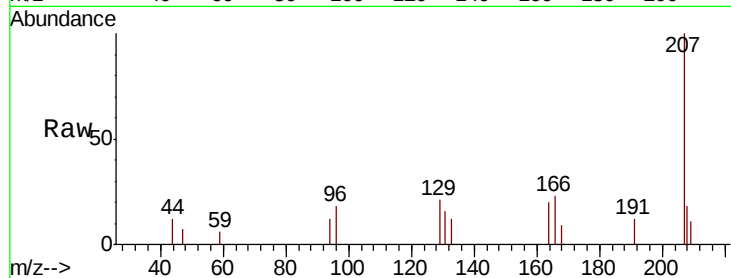
BPSI-TT-MW30411-20180917

Tot Ion:129 Resp: 624

Ion Ratio Lower Upper

129 100

127 0.0 38.1 114.5#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

8.23

400

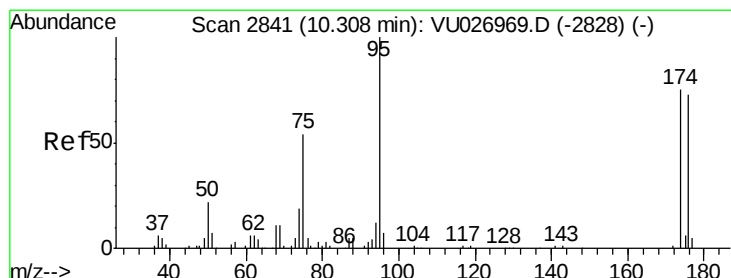
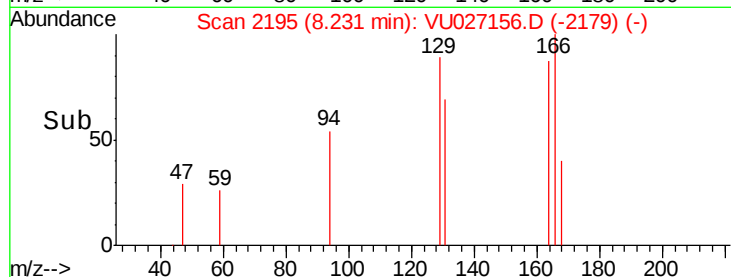
300

200

100

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.017 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU027156.D

Acq: 26 Sep 2018 03:15

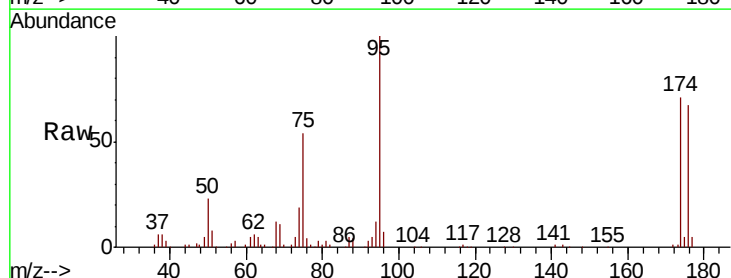
Tgt Ion: 95 Resp: 80437

Ion Ratio Lower Upper

95 100

174 72.7 0.0 150.2

176 68.4 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

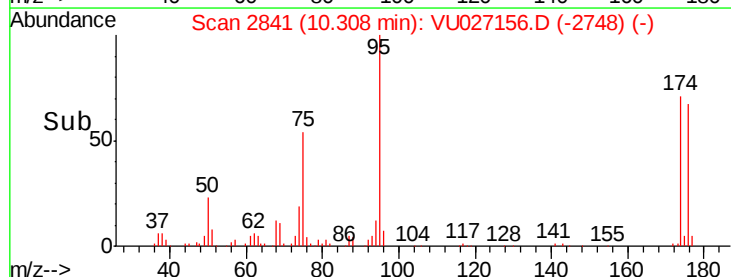
60000

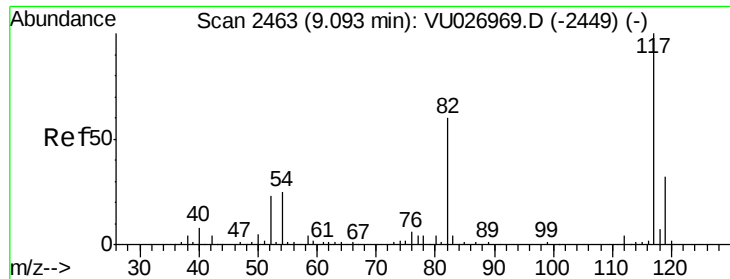
40000

20000

0

Time-->

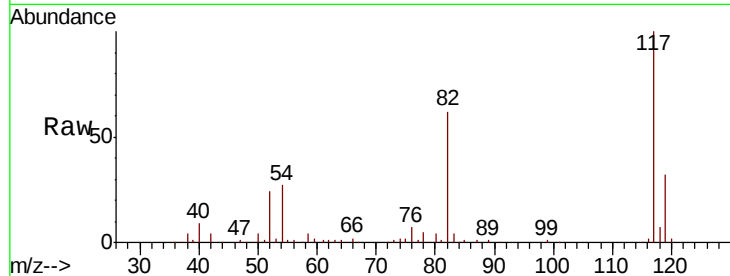




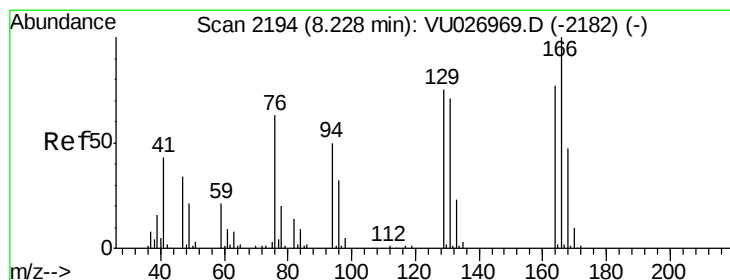
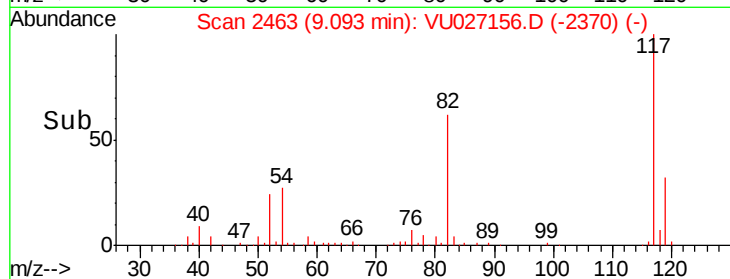
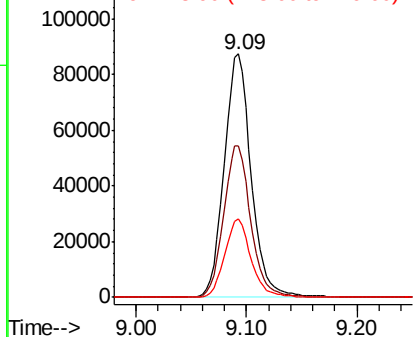
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2463
Delta R.T. 0.00 min
Lab File: VU027156.D
Acq: 26 Sep 2018 03:15

Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW30411-20180917

Tot Ion:117 Resp: 148413
Ion Ratio Lower Upper
117 100
82 62.2 48.0 72.0
119 32.0 25.8 38.8

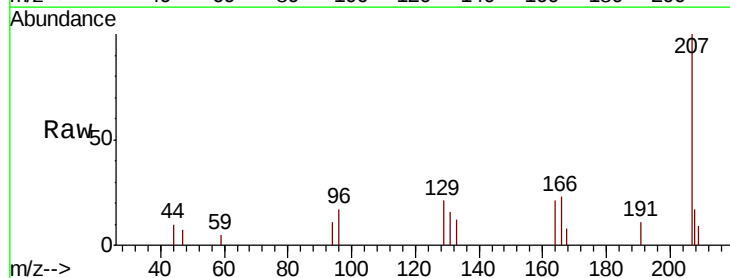


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

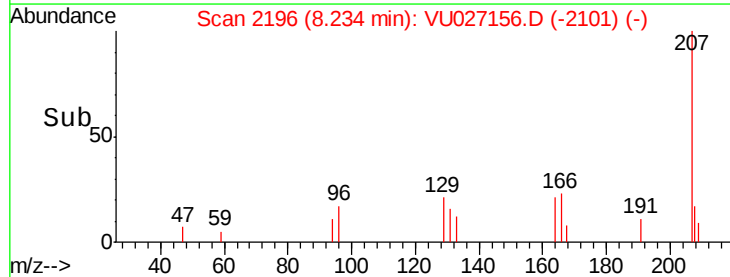
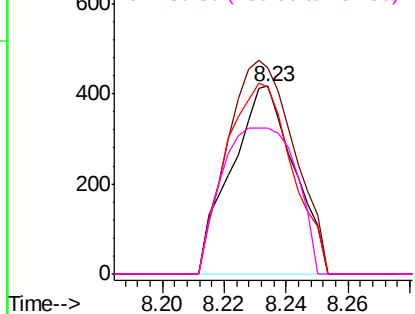


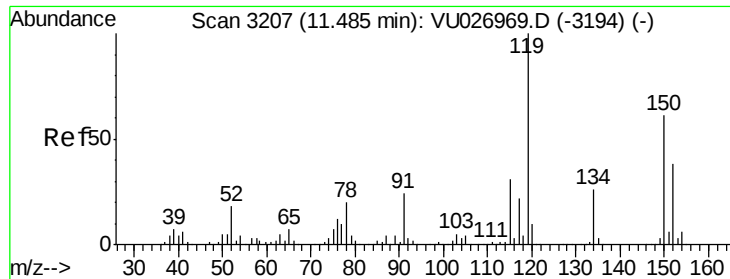
#64
Tetrachloroethene
Concen: 0.515 ug/l
RT: 8.23 min Scan# 2196
Delta R.T. 0.01 min
Lab File: VU027156.D
Acq: 26 Sep 2018 03:15

Tgt Ion:164 Resp: 589
Ion Ratio Lower Upper
164 100
166 109.6 104.4 156.6
129 99.8 78.7 118.1
131 77.5 73.9 110.9



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



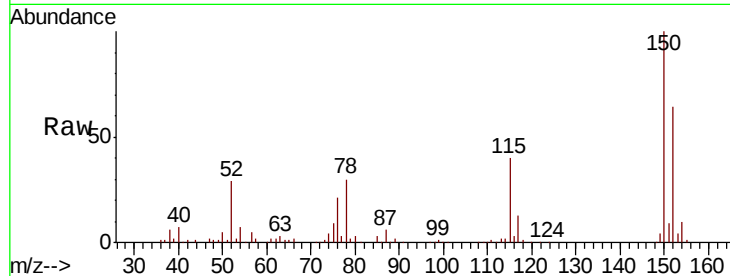


#72

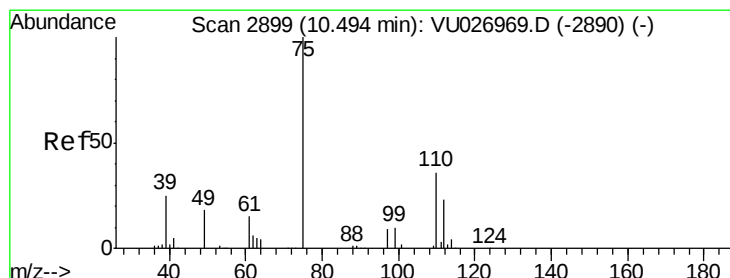
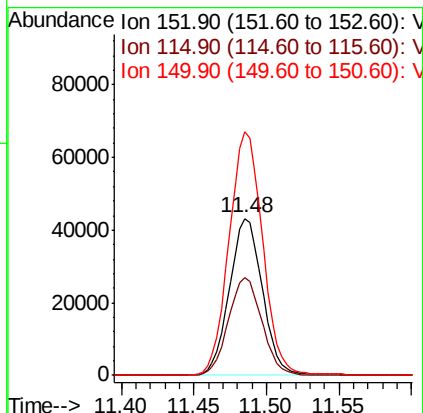
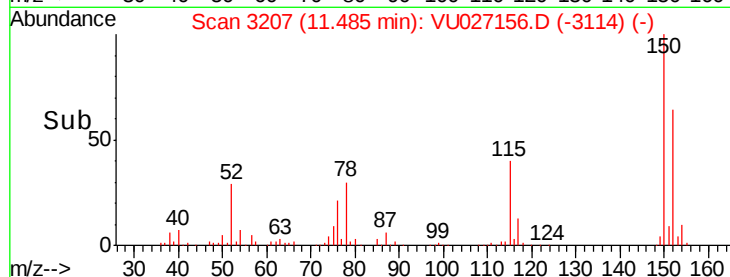
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027156.D
Acq: 26 Sep 2018 03:15

Instrument :
MSVOA_U
ClientSampleId :
BPSI-TT-MW30411-20180917

Tot Ion:152 Resp: 68123
Ion Ratio Lower Upper
152 100
115 63.3 44.9 134.5
150 158.3 0.0 355.8



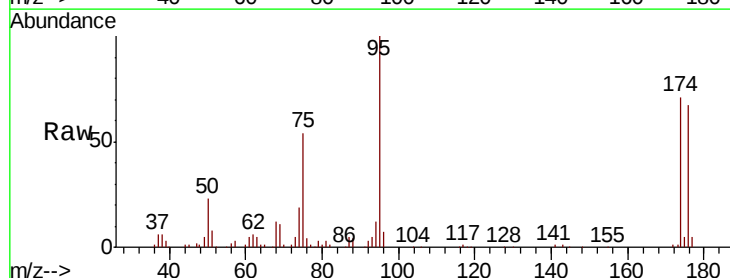
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



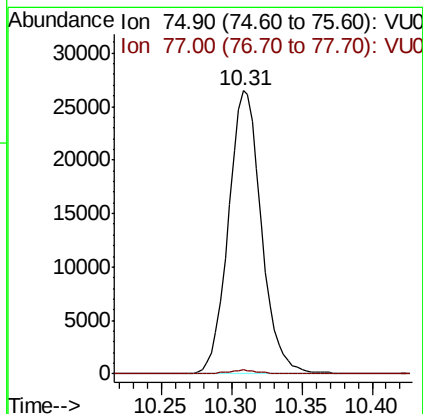
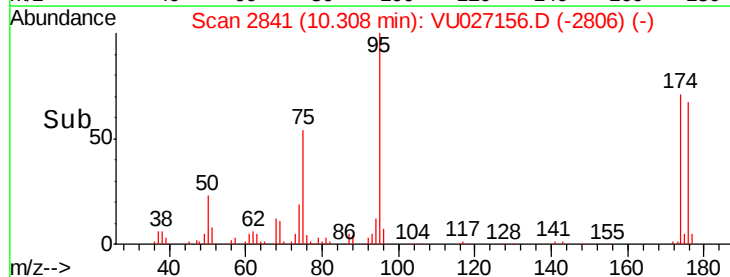
#76

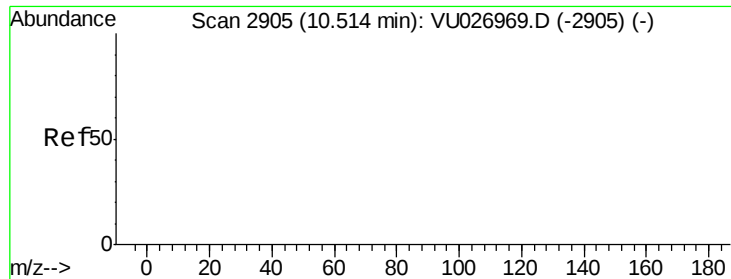
1,2,3-Trichloropropane
Concen: 20.917 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.19 min
Lab File: VU027156.D
Acq: 26 Sep 2018 03:15

Tgt Ion: 75 Resp: 43289
Ion Ratio Lower Upper
75 100
77 1.1 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 77.00 (76.70 to 77.70): VU0

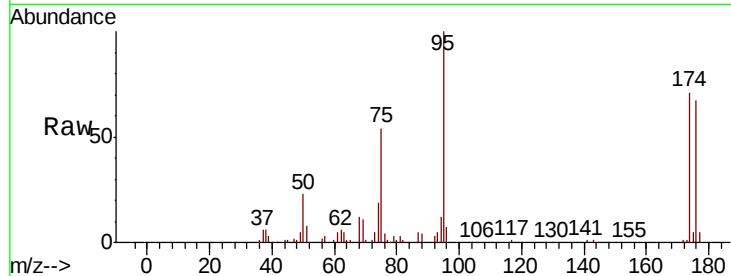




#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.938 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.21 min
 Lab File: VU027156.D
 Acq: 26 Sep 2018 03:15

Instrument :
 MSVOA_U
 ClientSampleId :
 BPSI-TT-MW30411-20180917

Tot Ion: 75 Resp: 43289
 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

