

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092818\
 Data File : VU027235.D
 Acq On : 27 Sep 2018 19:50
 Operator : MD/SY
 Sample : J5072-05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MH-726

Quant Time: Sep 28 03:40:53 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	93038	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	158467	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	151589	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	69820	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	97592	52.12	ug/l	0.00
Spiked Amount			Recovery	=	104.24%	
35) Dibromofluoromethane	4.88	113	69614	50.68	ug/l	0.00
Spiked Amount			Recovery	=	101.36%	
50) Toluene-d8	7.57	98	254570	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	
62) 4-Bromofluorobenzene	10.31	95	79758	44.40	ug/l	0.00
Spiked Amount			Recovery	=	88.80%	

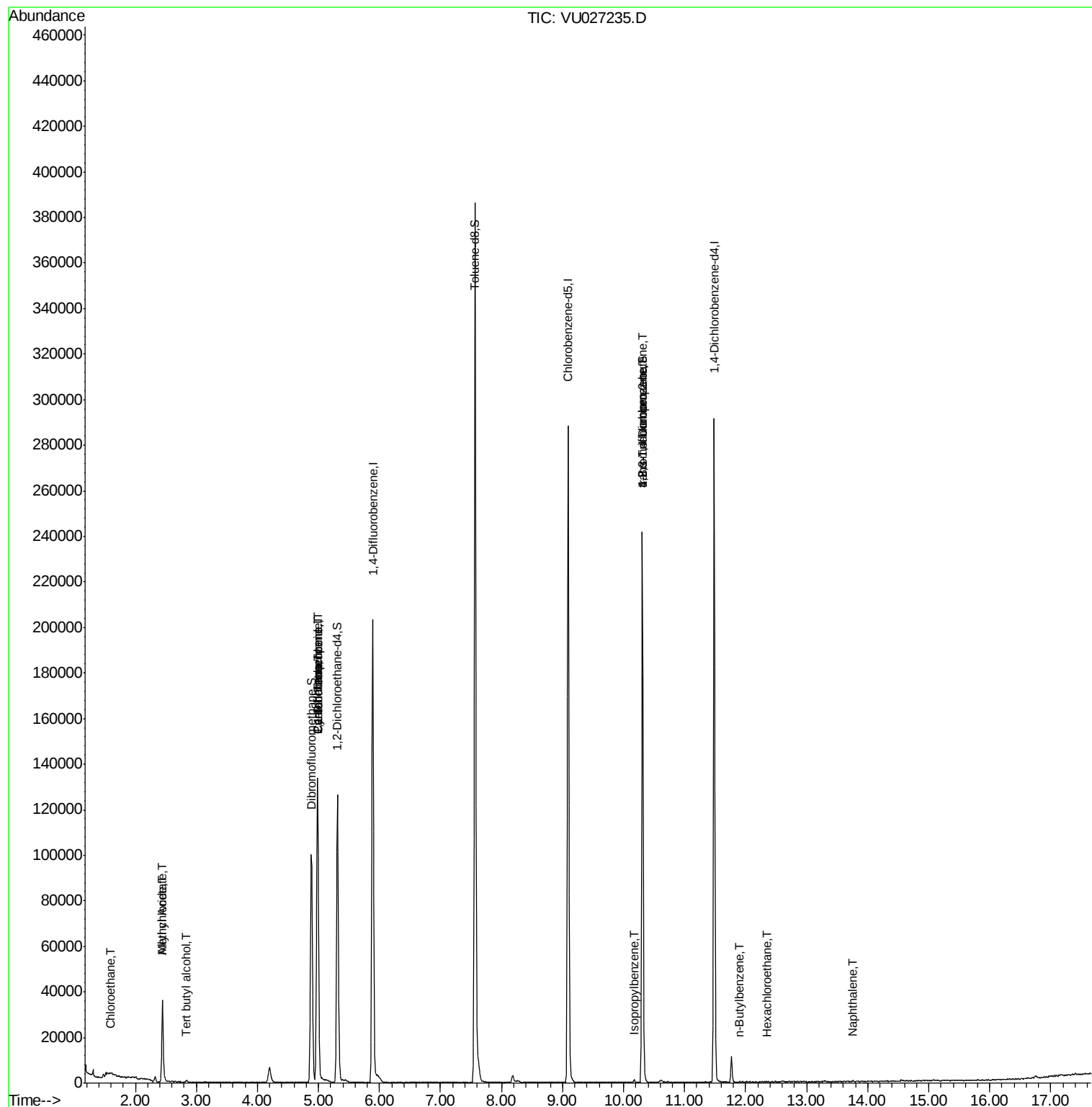
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.59	64	3230	2.586	ug/l #	43
11) Tert butyl alcohol	2.83	59	403	0.939	ug/l #	72
14) Allyl chloride	2.44	41	3560	1.366	ug/l #	68
16) Acetone	2.32	43	2842	Below Cal		98
18) Methyl Acetate	2.44	43	9447	3.545	ug/l #	55
31) Cyclohexane	4.98	56	2437	0.302	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	8418	3.980	ug/l #	50
38) Carbon Tetrachloride	4.99	117	9679	4.809	ug/l #	19
73) Isopropylbenzene	10.17	105	1158	0.218	ug/l	81
76) 1,2,3-Trichloropropane	10.31	75	42717	20.139	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	42717	64.448	ug/l #	100
89) n-Butylbenzene	11.89	91	62	2.405	ug/l #	33
90) Hexachloroethane	12.35	117	196	0.204	ug/l #	13
95) Naphthalene	13.75	128	479	1.769	ug/l #	69

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. 0.00 min

Lab File: VU027235.D

Acq: 27 Sep 2018 19:50

Instrument :

MSVOA_U

ClientSampleId :

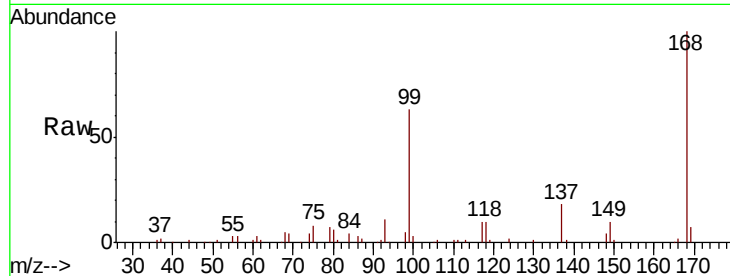
MH-726

Tot Ion:168 Resp: 93038

Ion Ratio Lower Upper

168 100

99 63.0 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

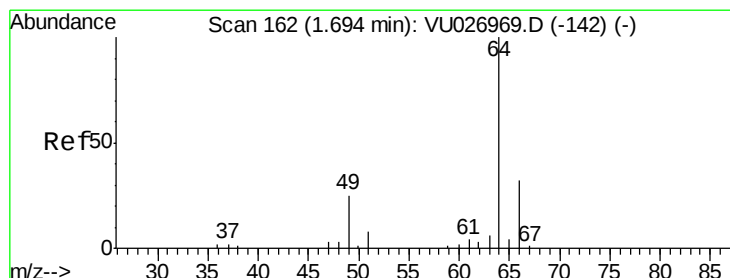
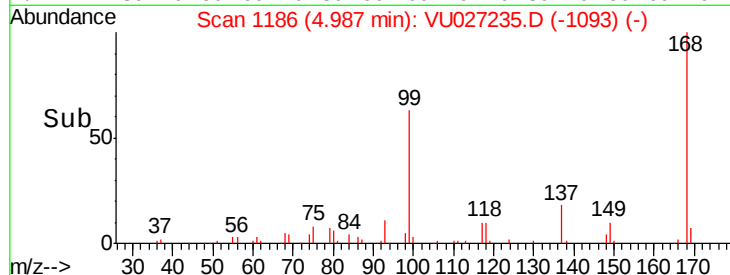
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#6

Chloroethane

Concen: 2.586 ug/l

RT: 1.59 min Scan# 128

Delta R.T. -0.11 min

Lab File: VU027235.D

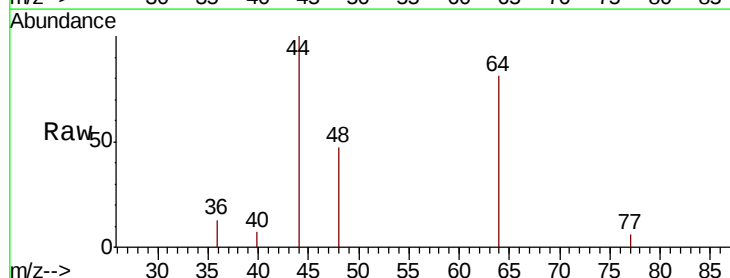
Acq: 27 Sep 2018 19:50

Tgt Ion: 64 Resp: 3230

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) (-)

1.59

1500

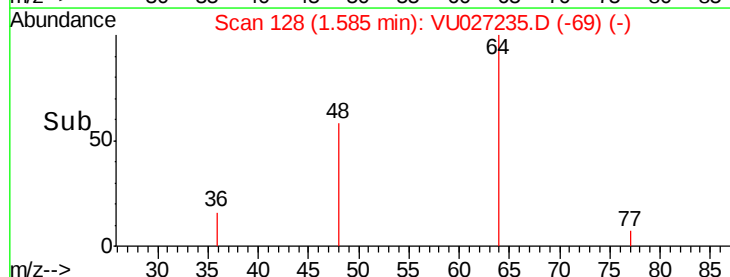
1000

500

0

1.50 1.55 1.60

Time-->



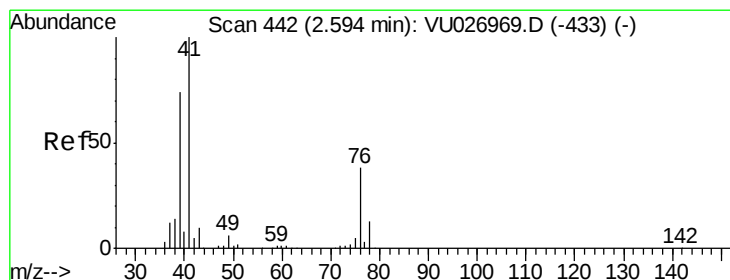
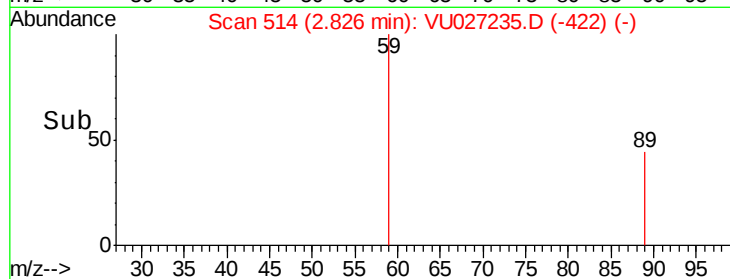
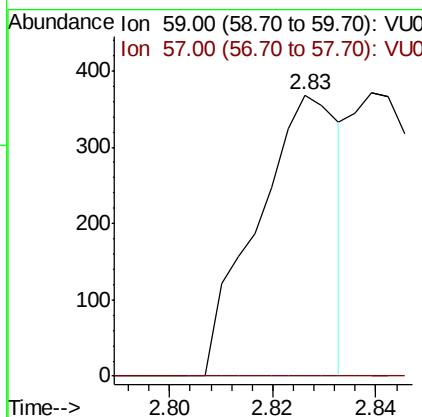
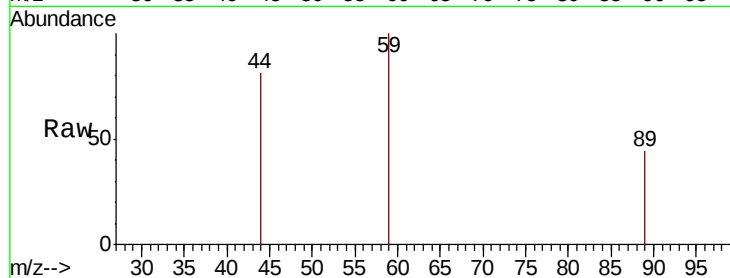


#11

Tert butyl alcohol
 Concen: 0.939 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. -0.00 min
 Lab File: VU027235.D
 Acq: 27 Sep 2018 19:50

Instrument :
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 ClientSampleId :
 MH-726

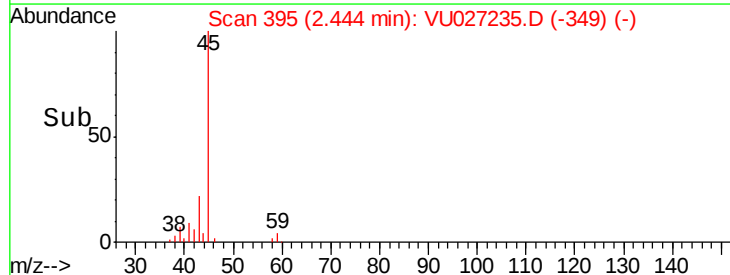
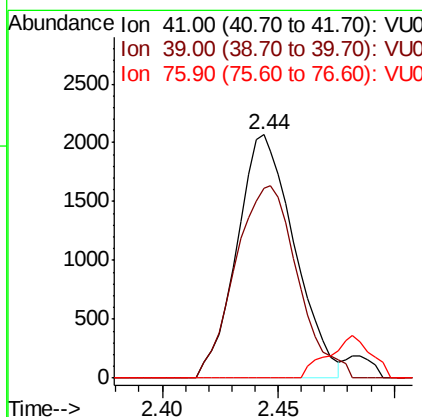
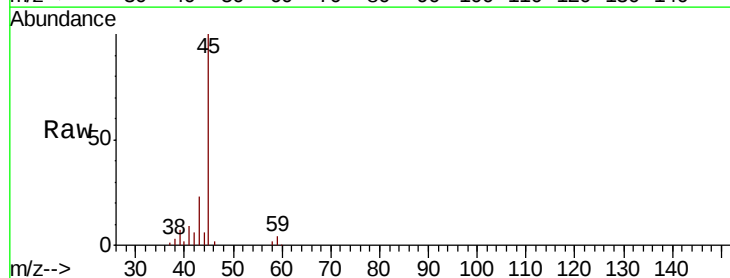
Tot Ion: 59 Resp: 403
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#



#14

Allyl chloride
 Concen: 1.366 ug/l
 RT: 2.44 min Scan# 395
 Delta R.T. -0.15 min
 Lab File: VU027235.D
 Acq: 27 Sep 2018 19:50

Tgt Ion: 41 Resp: 3560
 Ion Ratio Lower Upper
 41 100
 39 85.5 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: VU027235.D

Acq: 27 Sep 2018 19:50

Instrument :

MSVOA_U

ClientSampleId :

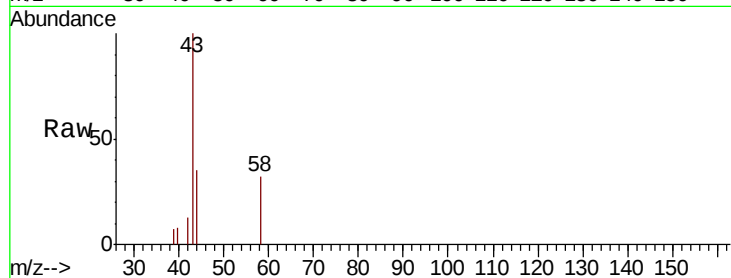
MH-726

Tot Ion: 43 Resp: 2842

Ion Ratio Lower Upper

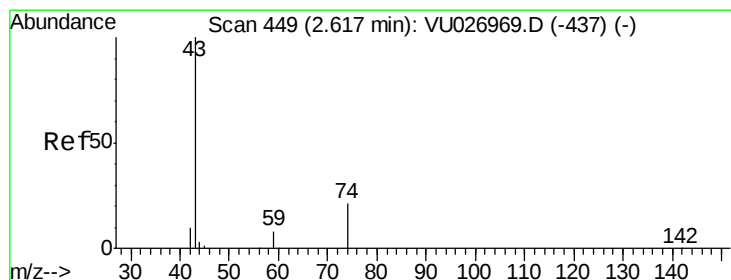
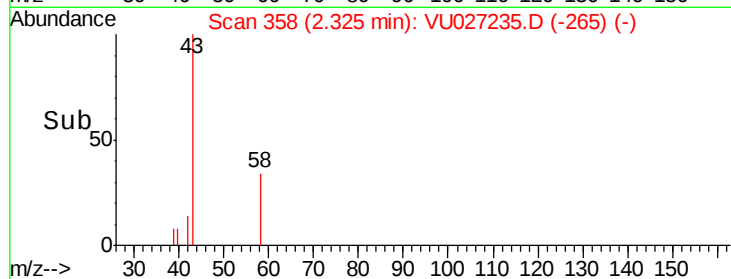
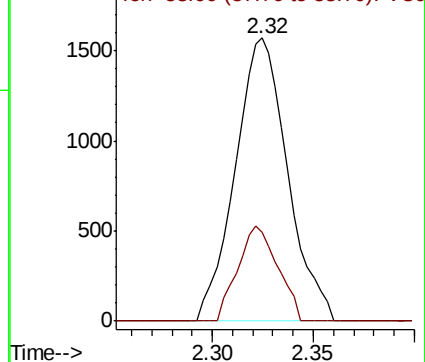
43 100

58 31.5 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: 3.545 ug/l

RT: 2.44 min Scan# 395

Delta R.T. -0.17 min

Lab File: VU027235.D

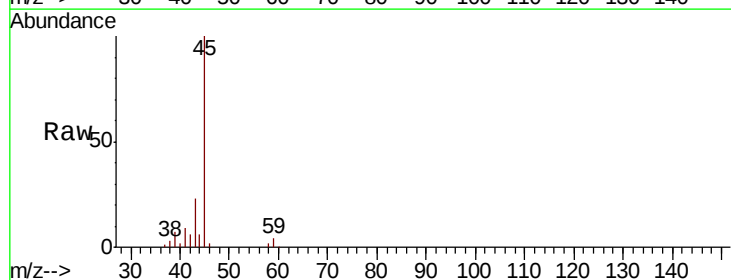
Acq: 27 Sep 2018 19:50

Tgt Ion: 43 Resp: 9447

Ion Ratio Lower Upper

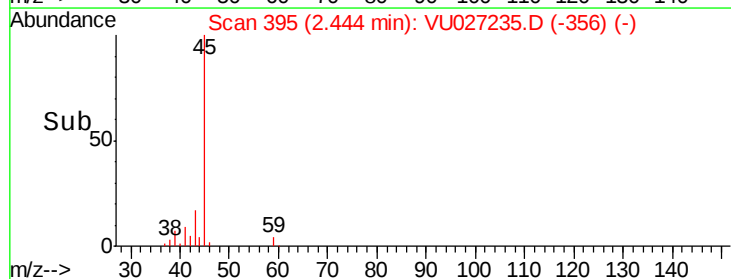
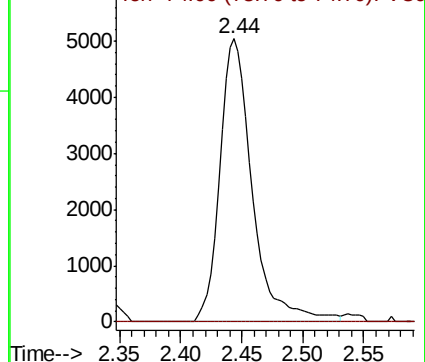
43 100

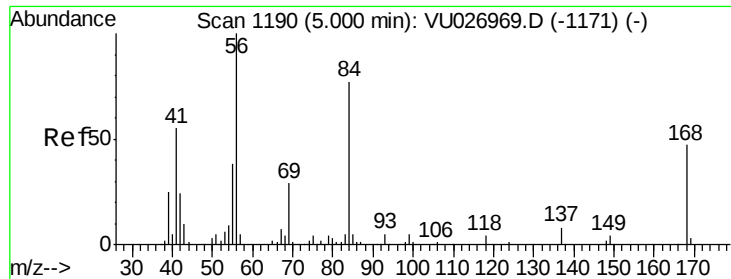
74 0.0 16.6 25.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

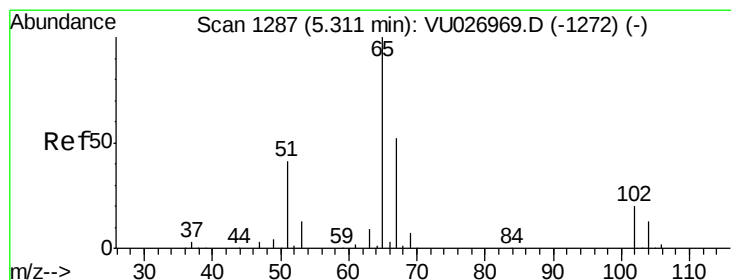
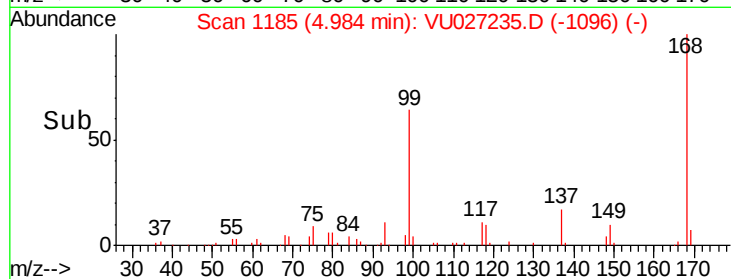
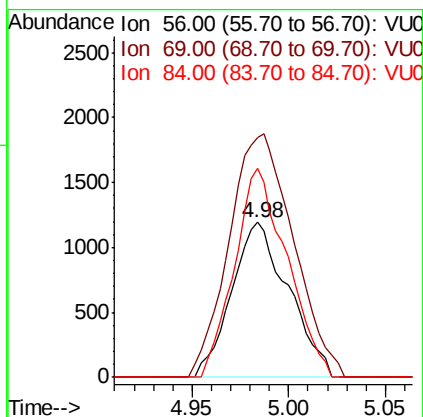
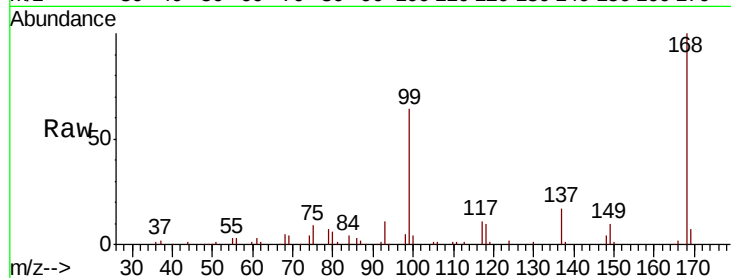




#31
Cyclohexane
Concen: 0.302 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.02 min
Lab File: VU027235.D
Acq: 27 Sep 2018 19:50

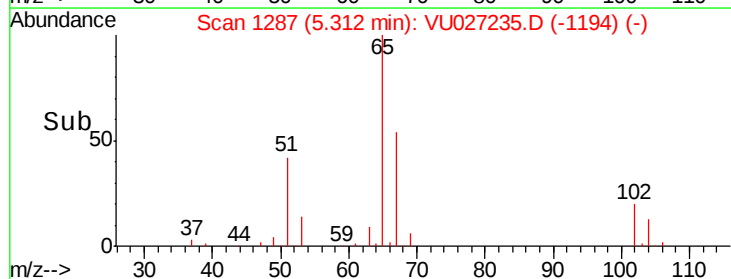
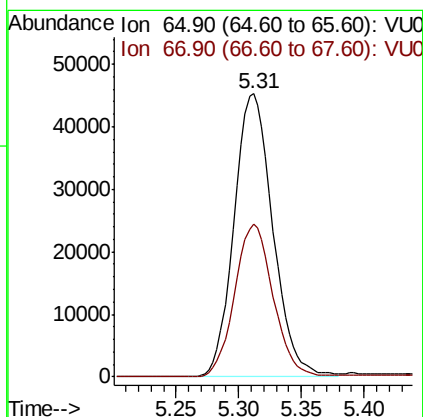
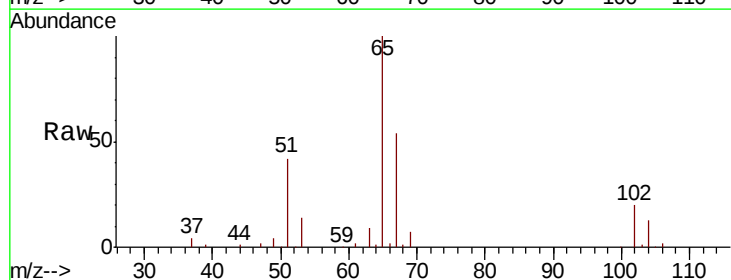
Instrument :
MSVOA_U
ClientSampleId :
MH-726

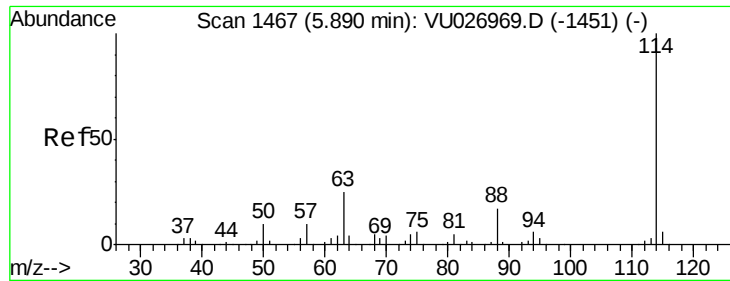
Tot Ion: 56 Resp: 2437
Ion Ratio Lower Upper
56 100
69 154.6 23.0 34.4#
84 135.1 61.4 92.2#



#33
1,2-Dichloroethane-d4
Concen: 52.117 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU027235.D
Acq: 27 Sep 2018 19:50

Tgt Ion: 65 Resp: 97592
Ion Ratio Lower Upper
65 100
67 53.5 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VU027235.D

Acq: 27 Sep 2018 19:50

Instrument :

MSVOA_U

ClientSampled :

MH-726

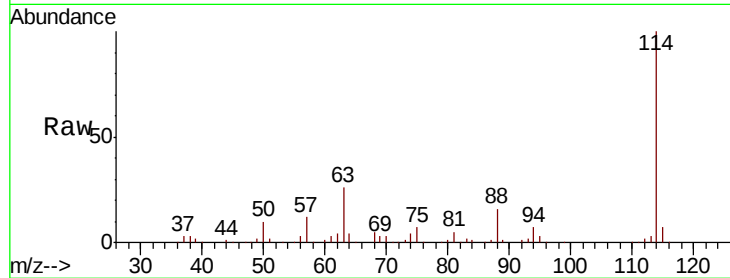
Tot Ion:114 Resp: 158467

Ion Ratio Lower Upper

114 100

63 25.8 0.0 49.2

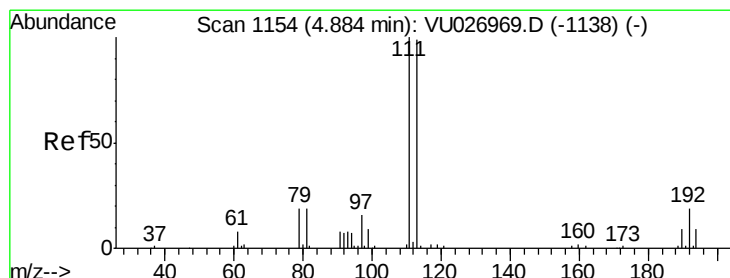
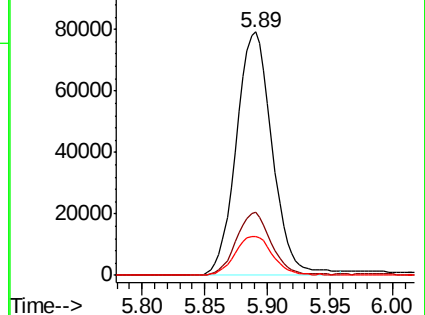
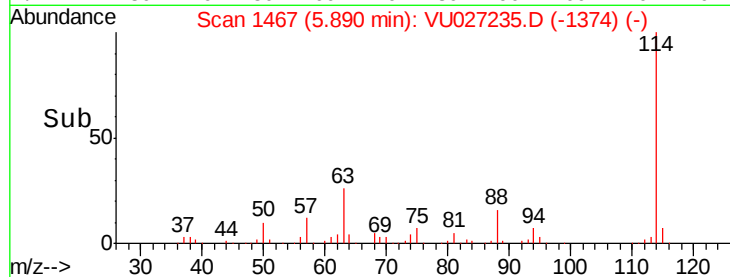
88 16.1 0.0 33.8



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: 50.680 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU027235.D

Acq: 27 Sep 2018 19:50

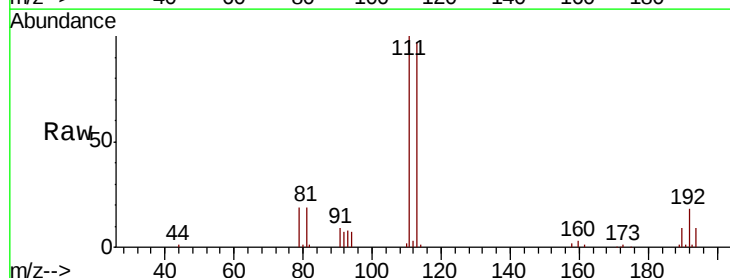
Tgt Ion:113 Resp: 69614

Ion Ratio Lower Upper

113 100

111 102.7 82.2 123.4

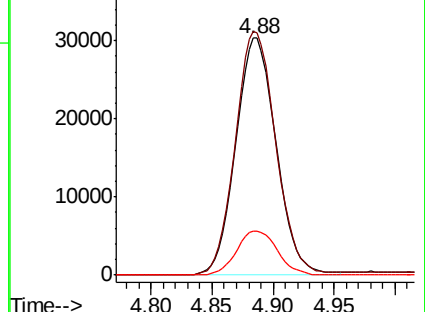
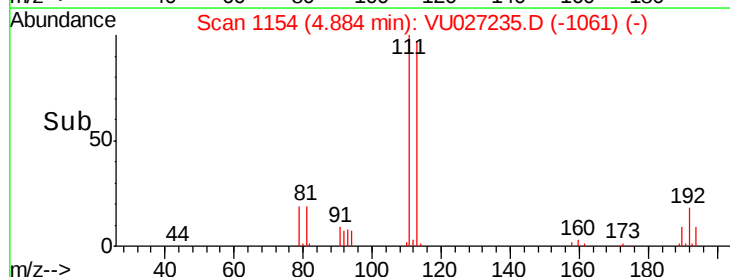
192 18.6 15.2 22.8

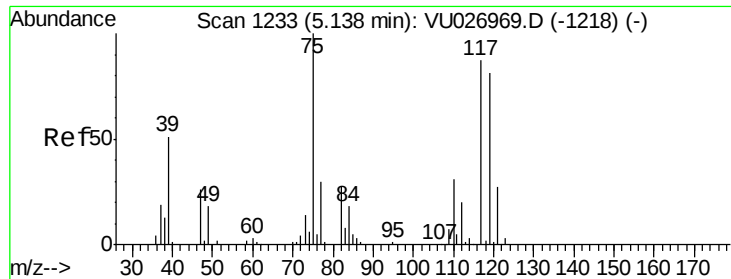


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

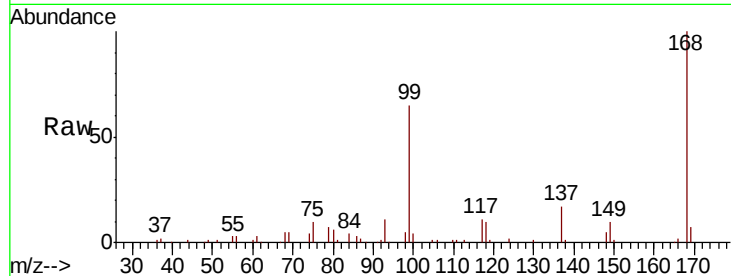




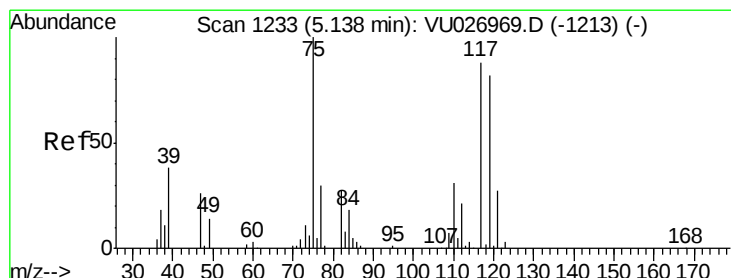
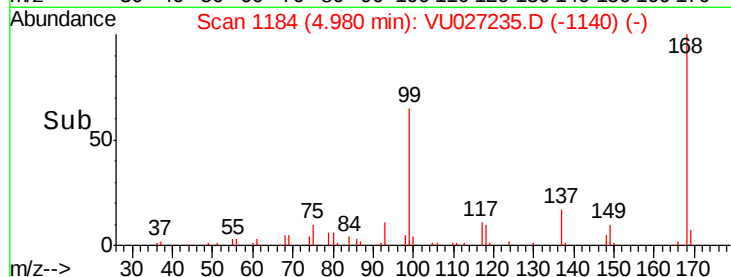
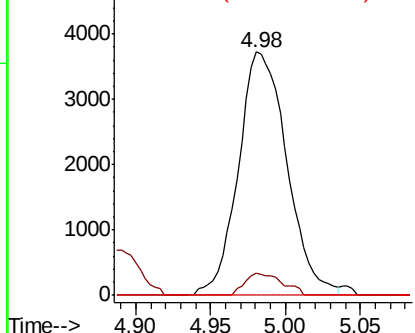
#36
 1,1-Dichloropropene
 Concen: 3.980 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.16 min
 Lab File: VU027235.D
 Acq: 27 Sep 2018 19:50

Instrument :
 MSVOA_U
 ClientSampleId :
 MH-726

Tot Ion: 75 Resp: 8418
 Ion Ratio Lower Upper
 75 100
 110 7.0 16.1 48.2#
 77 0.0 24.6 36.8#

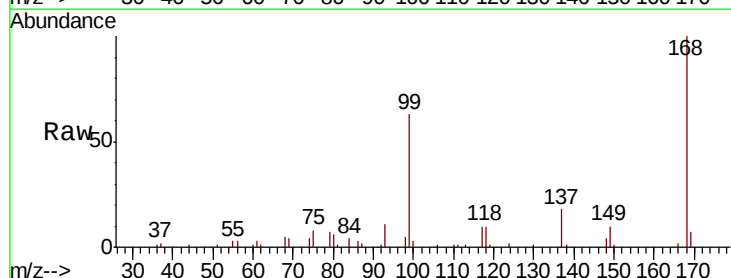


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

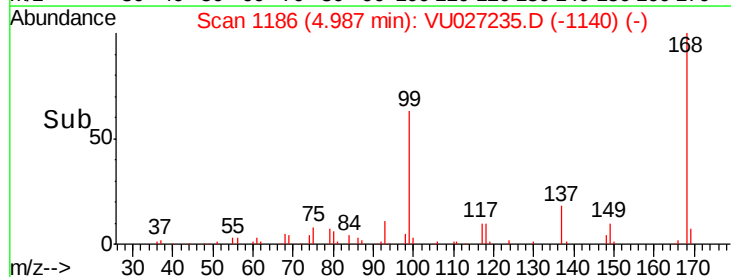
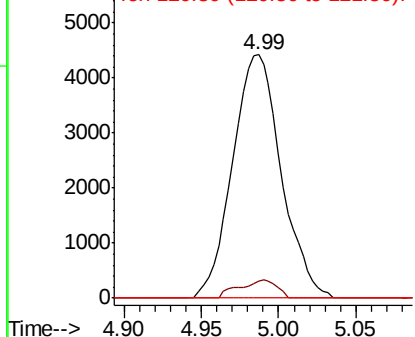


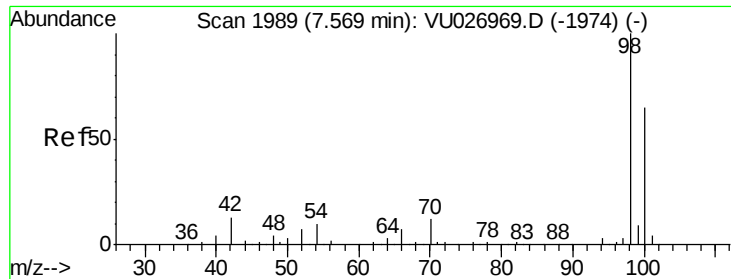
#38
 Carbon Tetrachloride
 Concen: 4.809 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027235.D
 Acq: 27 Sep 2018 19:50

Tgt Ion: 117 Resp: 9679
 Ion Ratio Lower Upper
 117 100
 119 6.8 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

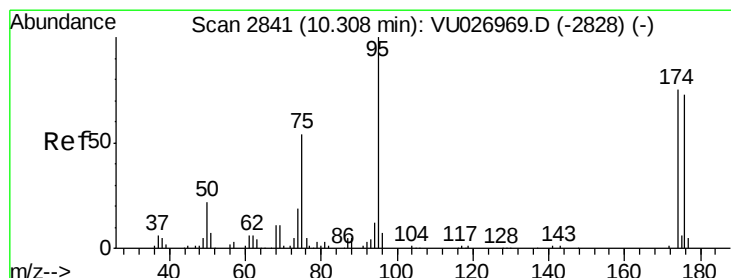
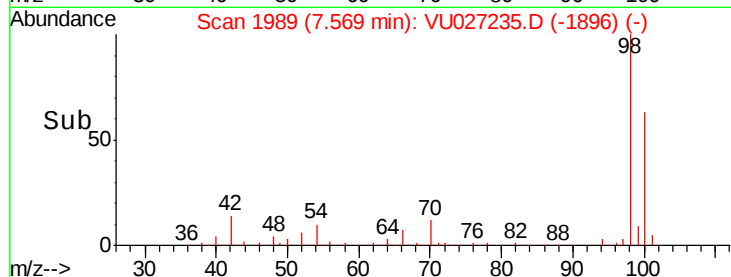
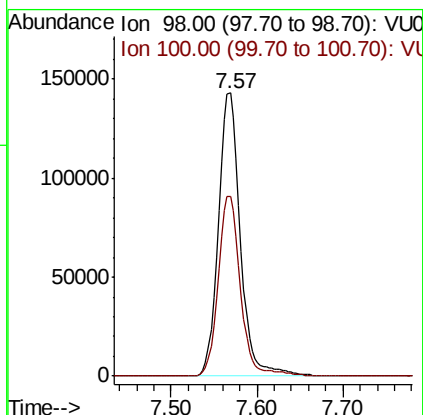
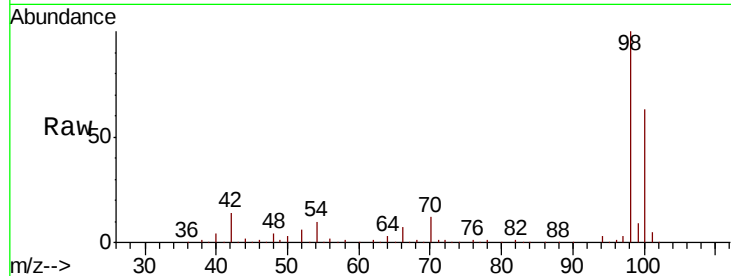




#50
Toluene-d8
Concen: 48.630 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027235.D
Acq: 27 Sep 2018 19:50

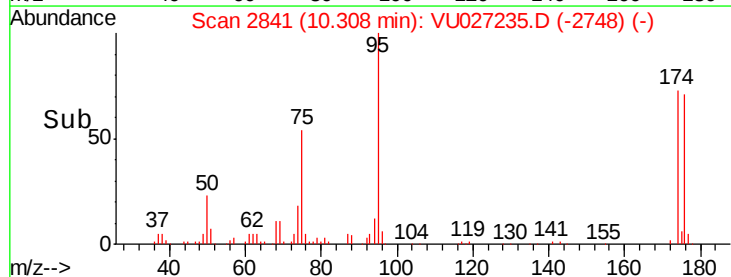
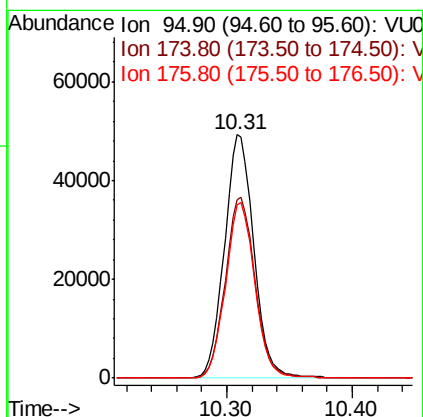
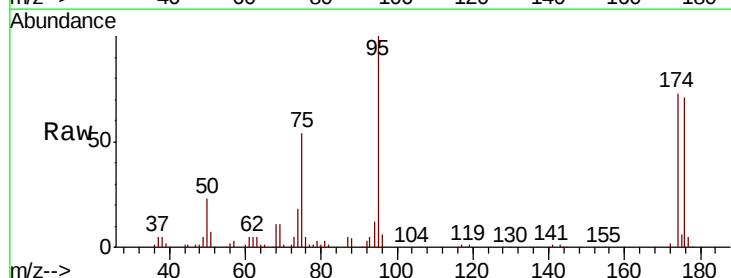
Instrument :
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MH-726

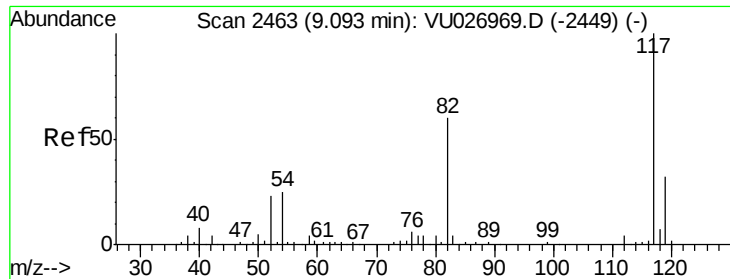
Tot Ion: 98 Resp: 254570
Ion Ratio Lower Upper
98 100
100 64.2 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 44.403 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU027235.D
Acq: 27 Sep 2018 19:50

Tgt Ion: 95 Resp: 79758
Ion Ratio Lower Upper
95 100
174 75.6 0.0 150.2
176 72.1 0.0 145.2

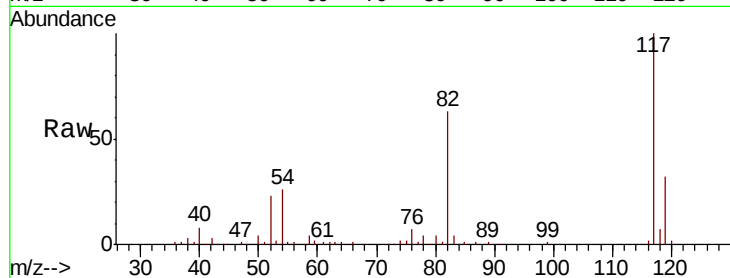




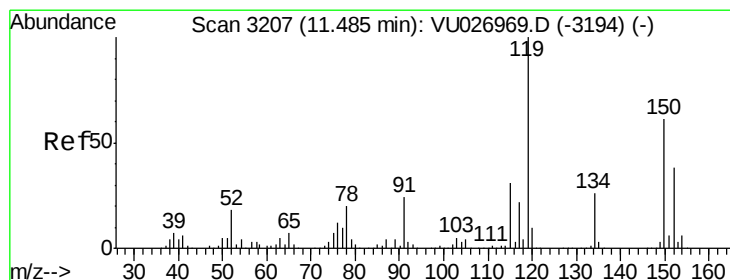
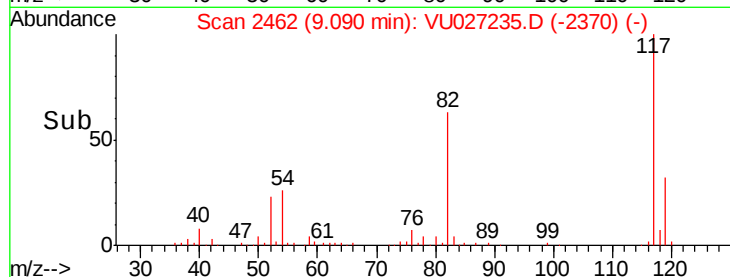
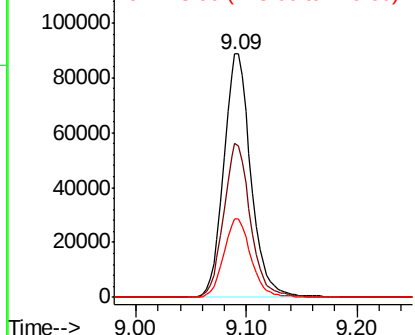
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027235.D
Acq: 27 Sep 2018 19:50

Instrument :
MSVOA_U
ClientSampleId :
MH-726

Tot Ion:117 Resp: 151589
Ion Ratio Lower Upper
117 100
82 63.3 48.0 72.0
119 32.3 25.8 38.8

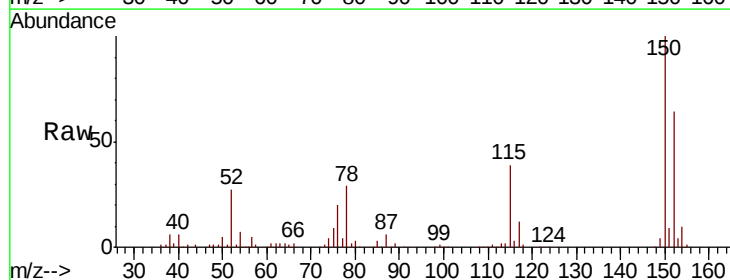


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

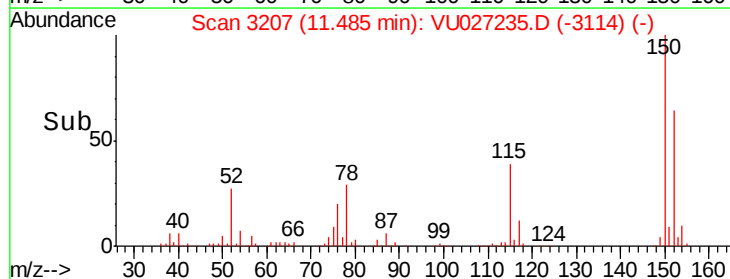
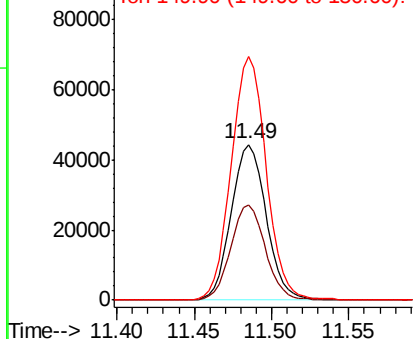


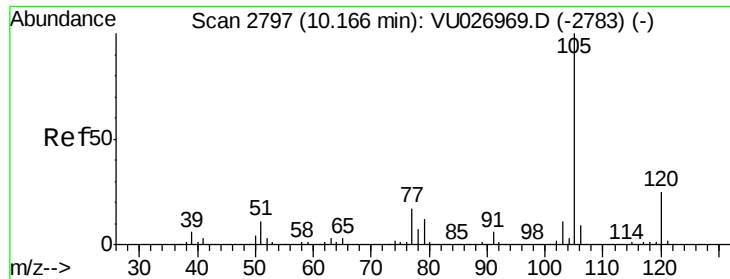
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3207
Delta R.T. 0.00 min
Lab File: VU027235.D
Acq: 27 Sep 2018 19:50

Tgt Ion:152 Resp: 69820
Ion Ratio Lower Upper
152 100
115 60.7 44.9 134.5
150 157.0 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





#73

Isopropylbenzene

Concen: 0.218 ug/l

RT: 10.17 min Scan# 2798

Delta R.T. 0.00 min

Lab File: VU027235.D

Acq: 27 Sep 2018 19:50

Instrument :

MSVOA_U

ClientSampleId :

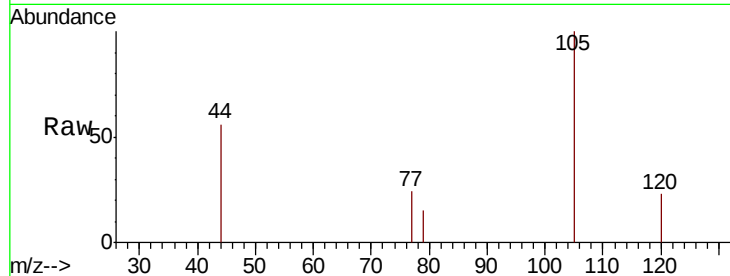
MH-726

Tot Ion:105 Resp: 1158

Ion Ratio Lower Upper

105 100

120 16.1 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.17

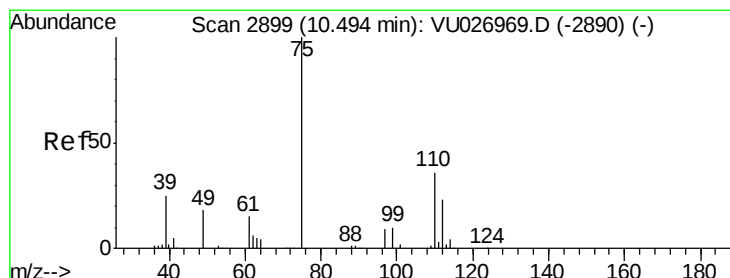
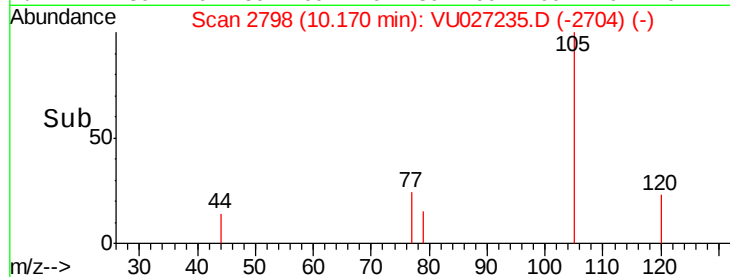
600

400

200

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 20.139 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027235.D

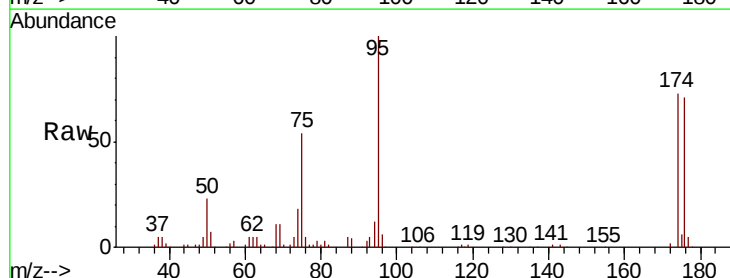
Acq: 27 Sep 2018 19:50

Tgt Ion: 75 Resp: 42717

Ion Ratio Lower Upper

75 100

77 1.2 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

10.31

30000

25000

20000

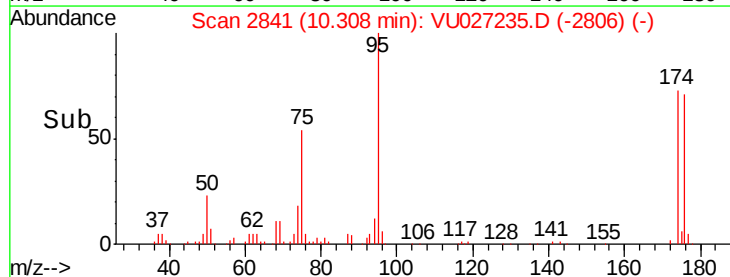
15000

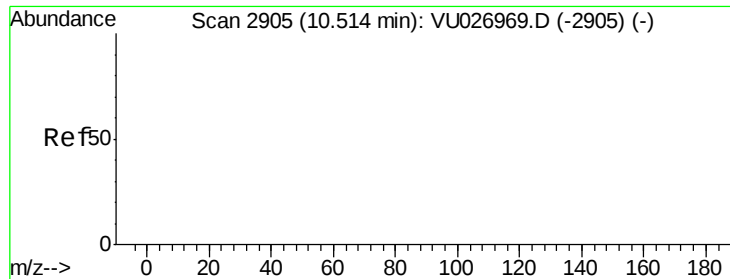
10000

5000

0

Time-->

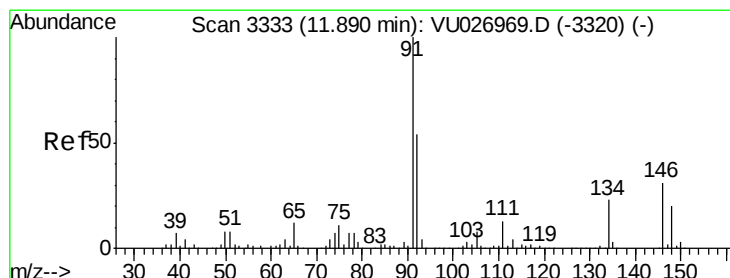
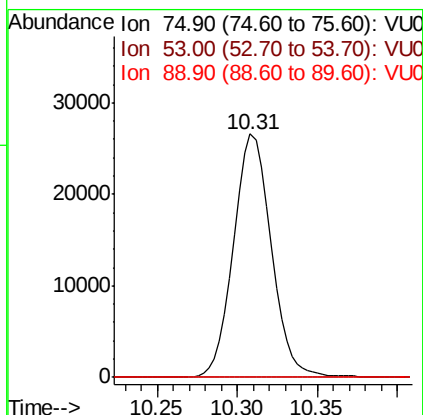
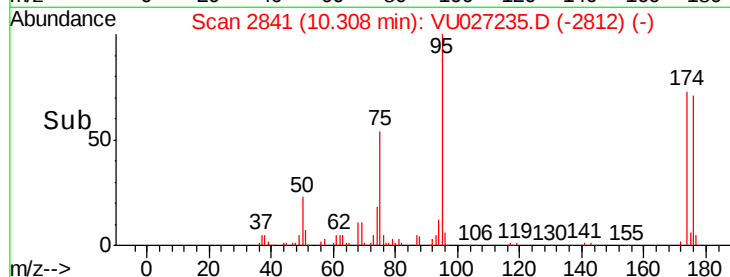
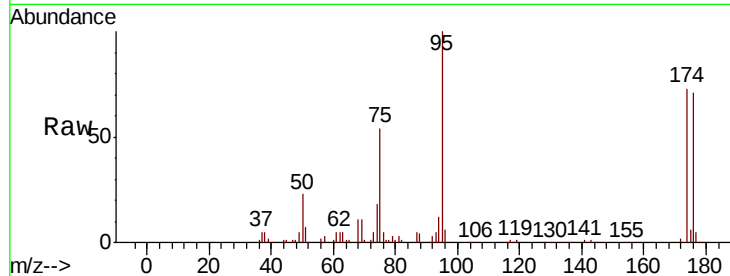




#81
trans-1,4-Dichloro-2-butene
Concen: 64.448 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.21 min
Lab File: VU027235.D
Acq: 27 Sep 2018 19:50

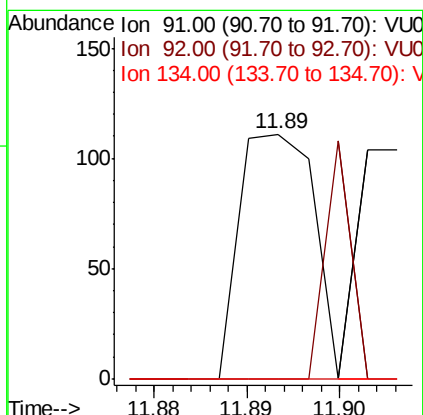
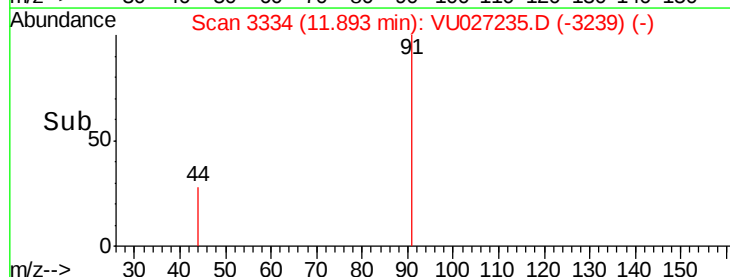
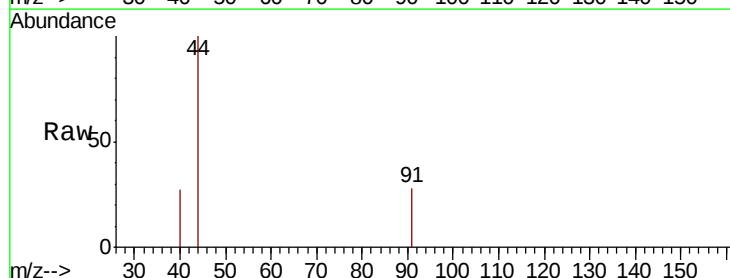
Instrument :
MSVOA_U
ClientSampleId :
MH-726

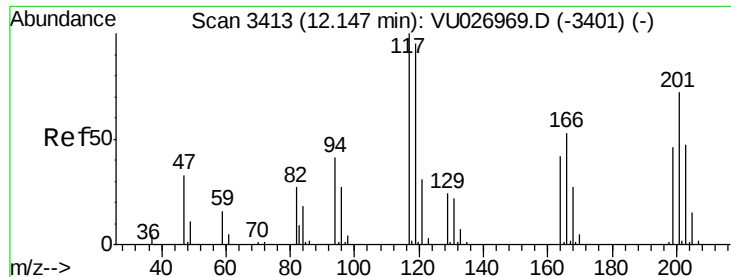
Tot Ion: 75 Resp: 42717
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#89
n-Butylbenzene
Concen: 2.405 ug/l
RT: 11.89 min Scan# 3334
Delta R.T. 0.00 min
Lab File: VU027235.D
Acq: 27 Sep 2018 19:50

Tgt Ion: 91 Resp: 62
Ion Ratio Lower Upper
91 100
92 0.0 27.1 81.2#
134 0.0 11.7 35.0#

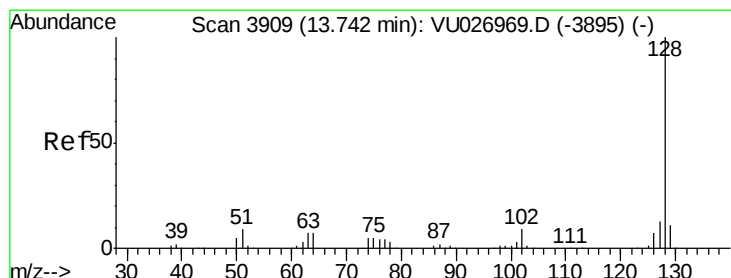
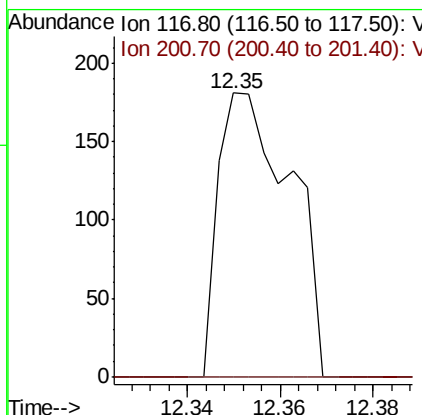
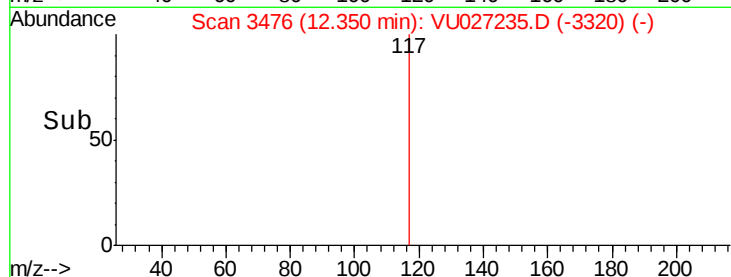
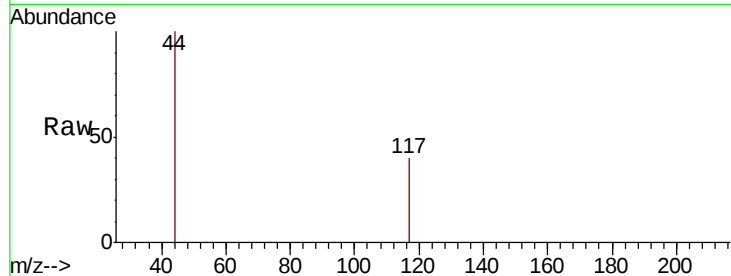




#90
Hexachloroethane
Concen: 0.204 ug/l
RT: 12.35 min Scan# 3476
Delta R.T. 0.20 min
Lab File: VU027235.D
Acq: 27 Sep 2018 19:50

Instrument :
MSVOA_U
ClientSampleId :
MH-726

Tot Ion:117 Resp: 196
Ion Ratio Lower Upper
117 100
201 0.0 36.8 110.3#



#95
Naphthalene
Concen: 1.769 ug/l
RT: 13.75 min Scan# 3912
Delta R.T. 0.01 min
Lab File: VU027235.D
Acq: 27 Sep 2018 19:50

Tgt Ion:128 Resp: 479
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#

