

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092618\
 Data File : VU027142.D
 Acq On : 25 Sep 2018 21:50
 Operator : MD/SY
 Sample : J4968-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TB03-20180916

Quant Time: Sep 26 05:57:43 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	95019	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	159439	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	151557	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	68663	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	99386	51.97	ug/l	0.00
Spiked Amount			Recovery	=	103.94%	
35) Dibromofluoromethane	4.89	113	68678	49.69	ug/l	0.00
Spiked Amount			Recovery	=	99.38%	
50) Toluene-d8	7.57	98	249308	47.33	ug/l	0.00
Spiked Amount			Recovery	=	94.66%	
62) 4-Bromofluorobenzene	10.31	95	81134	44.89	ug/l	0.00
Spiked Amount			Recovery	=	89.78%	

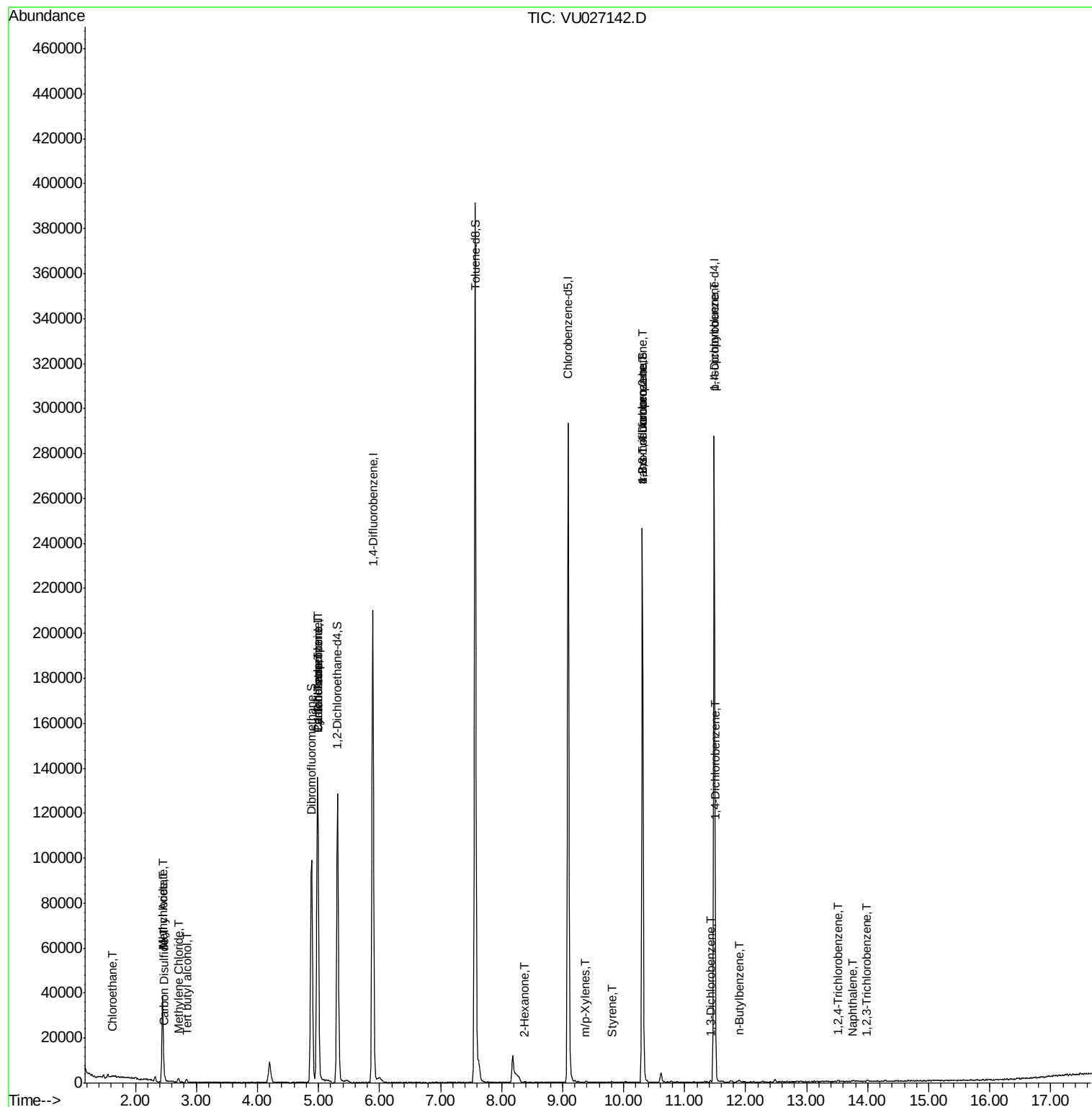
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.62	64	1074	0.842	ug/l #	43
11) Tert butyl alcohol	2.84	59	947	2.160	ug/l #	72
14) Allyl chloride	2.44	41	3975	1.493	ug/l #	75
16) Acetone	2.32	43	2356	Below Cal		96
17) Carbon Disulfide	2.48	76	1071	0.251	ug/l #	75
18) Methyl Acetate	2.44	43	9855	3.621	ug/l #	55
20) Methylene Chloride	2.71	84	689	0.402	ug/l #	90
31) Cyclohexane	4.99	56	2544	0.321	ug/l #	1
36) 1,1-Dichloropropene	4.99	75	9426	4.430	ug/l #	49
38) Carbon Tetrachloride	4.99	117	9891	4.885	ug/l #	17
59) 2-Hexanone	8.38	43	523	0.236	ug/l	82
68) m/p-Xylenes	9.38	106	102	1.538	ug/l #	1
70) Styrene	9.80	104	209	1.856	ug/l #	37
76) 1,2,3-Trichloropropane	10.31	75	44741	21.449	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	44741	68.639	ug/l #	100
86) p-Isopropyltoluene	11.48	119	333	0.994	ug/l #	42
87) 1,3-Dichlorobenzene	11.43	146	492	0.207	ug/l #	82
88) 1,4-Dichlorobenzene	11.51	146	745	0.288	ug/l #	59
89) n-Butylbenzene	11.90	91	532	2.499	ug/l #	63
93) 1,2,4-Trichlorobenzene	13.51	180	390	0.268	ug/l #	83
95) Naphthalene	13.76	128	1290	1.908	ug/l #	69
96) 1,2,3-Trichlorobenzene	13.99	180	400	0.257	ug/l #	82

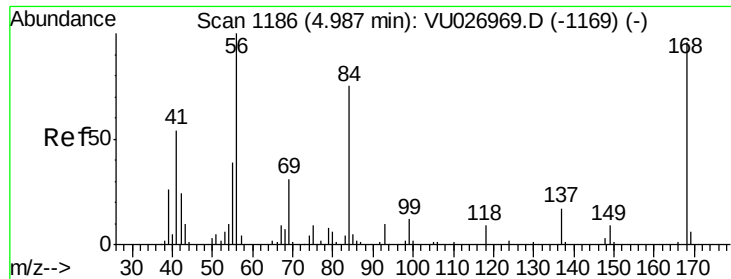
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU092618\
Data File : VU027142.D
Acq On : 25 Sep 2018 21:50
Operator : MD/SY
Sample : J4968-01
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
TB03-20180916

Quant Time: Sep 26 05:57:43 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 22 01:31:57 2018
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: VU027142.D

Acq: 25 Sep 2018 21:50

Instrument :

MSVOA_U

ClientSampleId :

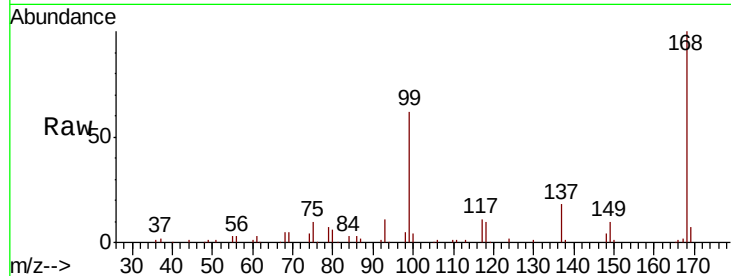
TB03-20180916

Tot Ion:168 Resp: 95019

Ion Ratio Lower Upper

168 100

99 62.4 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

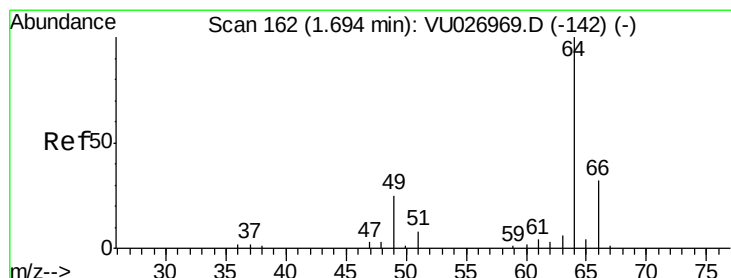
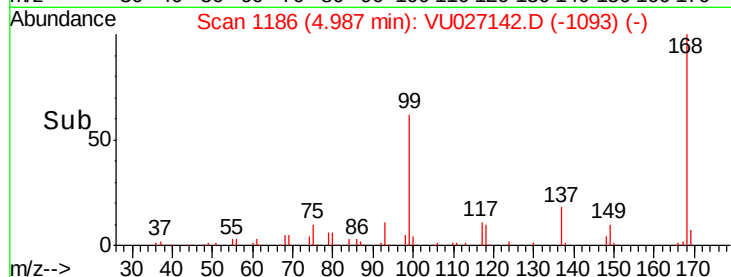
20000

10000

0

4.90 4.95 5.00 5.05

Time-->



#6

Chloroethane

Concen: 0.842 ug/l

RT: 1.62 min Scan# 140

Delta R.T. -0.07 min

Lab File: VU027142.D

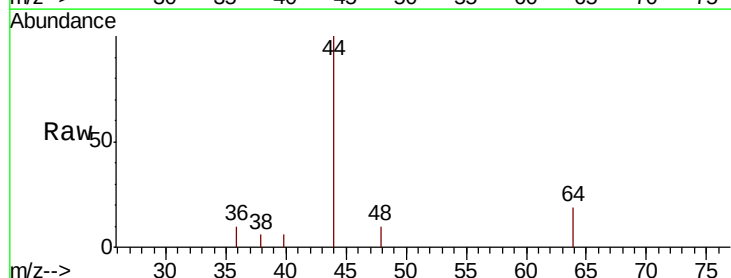
Acq: 25 Sep 2018 21:50

Tgt Ion: 64 Resp: 1074

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) (-)

1.62

500

400

300

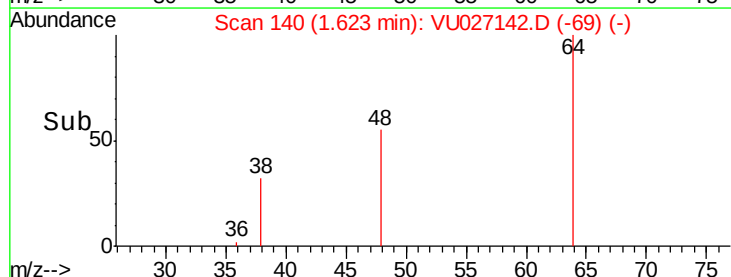
200

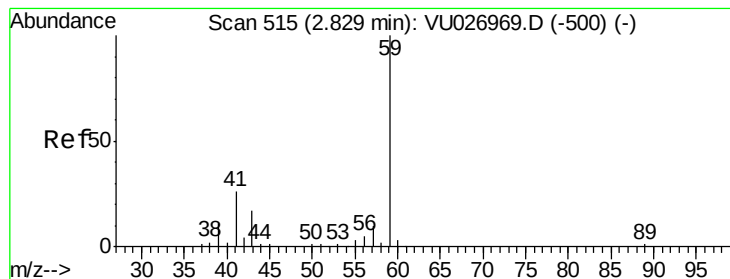
100

0

1.55 1.60 1.65

Time-->



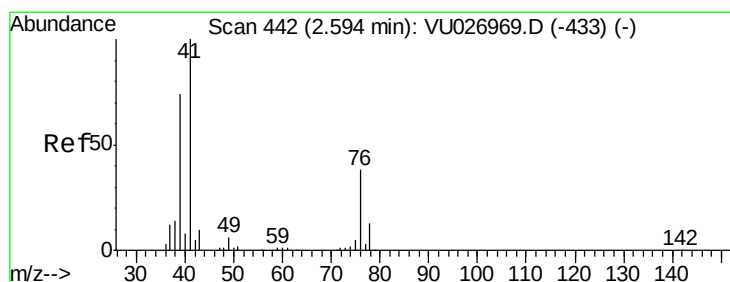
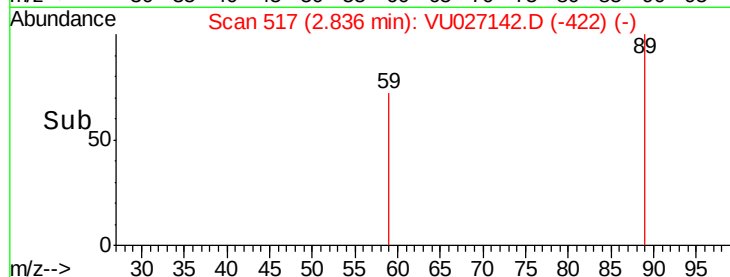
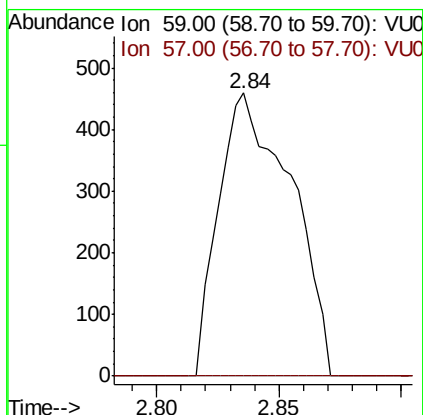
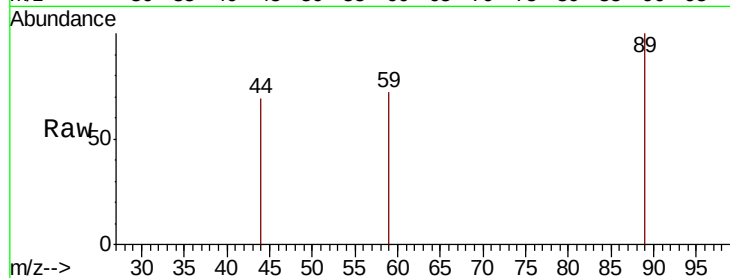


#11

Tert butyl alcohol
 Concen: 2.160 ug/l
 RT: 2.84 min Scan# 517
 Delta R.T. 0.01 min
 Lab File: VU027142.D
 Acq: 25 Sep 2018 21:50

Instrument :
 MSVOA_U
 ClientSampleId :
 TB03-20180916

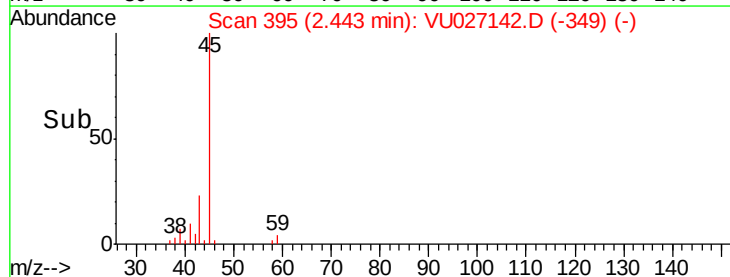
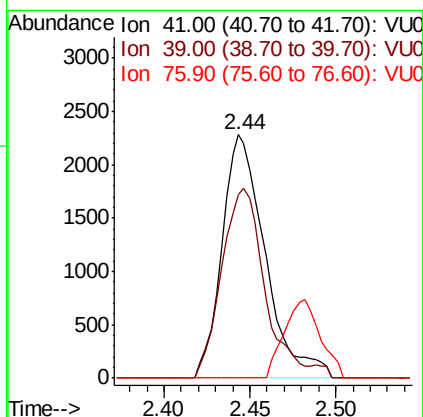
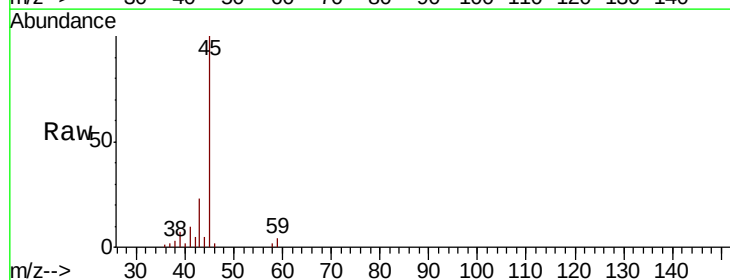
Tot Ion: 59 Resp: 947
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

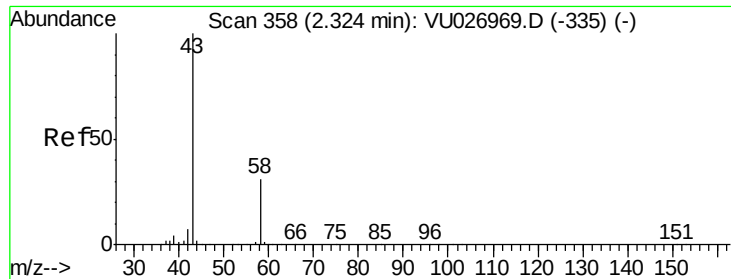


#14

Allyl chloride
 Concen: 1.493 ug/l
 RT: 2.44 min Scan# 395
 Delta R.T. -0.15 min
 Lab File: VU027142.D
 Acq: 25 Sep 2018 21:50

Tgt Ion: 41 Resp: 3975
 Ion Ratio Lower Upper
 41 100
 39 77.6 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: VU027142.D

Acq: 25 Sep 2018 21:50

Instrument :

MSVOA_U

ClientSampleId :

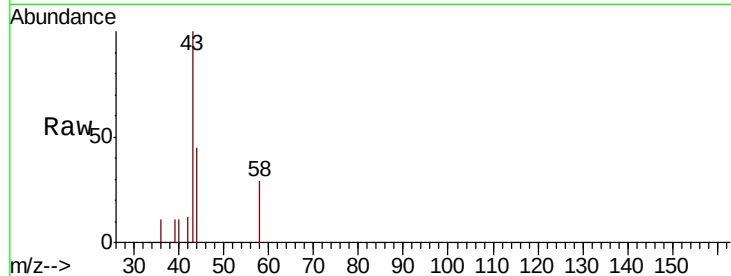
TB03-20180916

Tot Ion: 43 Resp: 2356

Ion Ratio Lower Upper

43 100

58 28.6 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

1500

2.32

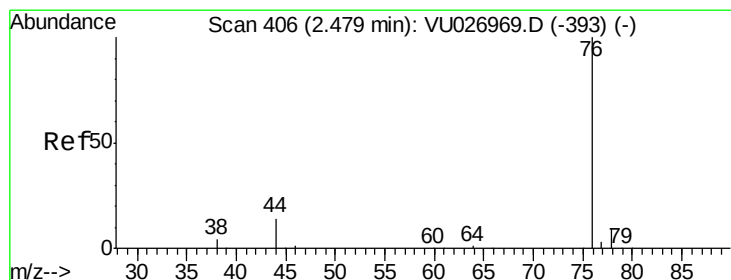
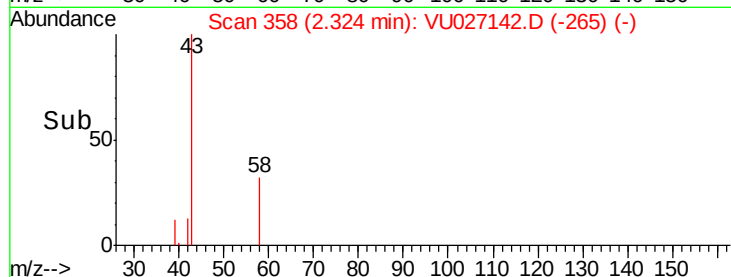
1000

500

0

2.30 2.35

Time-->



#17

Carbon Disulfide

Concen: 0.251 ug/l

RT: 2.48 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU027142.D

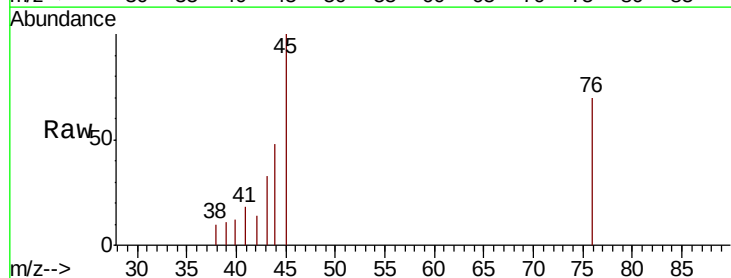
Acq: 25 Sep 2018 21:50

Tgt Ion: 76 Resp: 1071

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

800

2.48

600

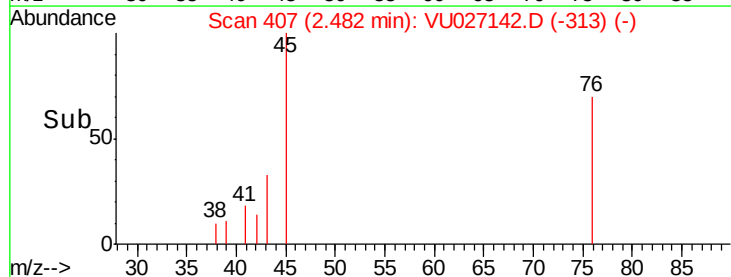
400

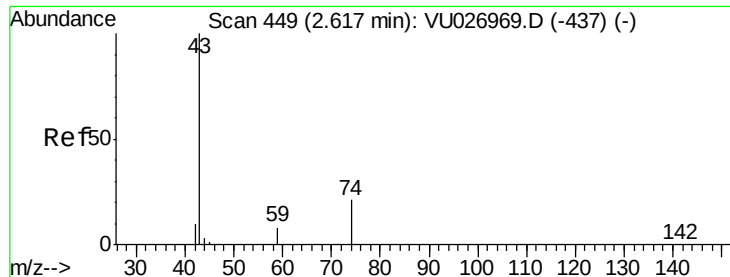
200

0

2.44 2.46 2.48 2.50 2.52

Time-->

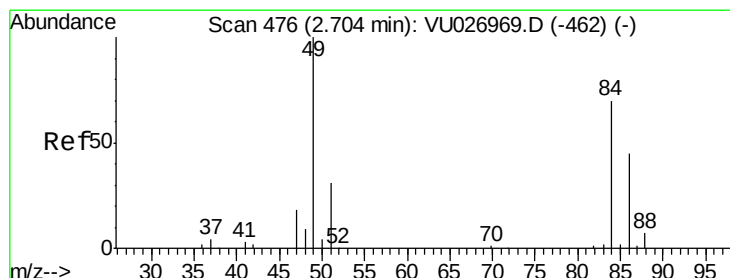
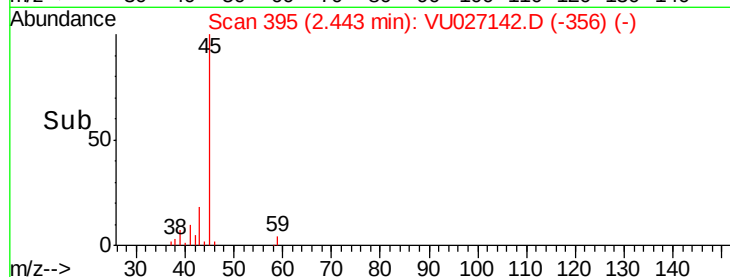
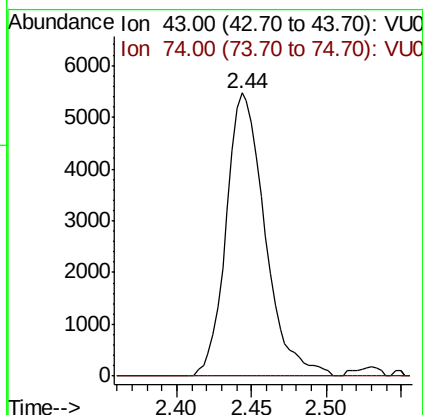
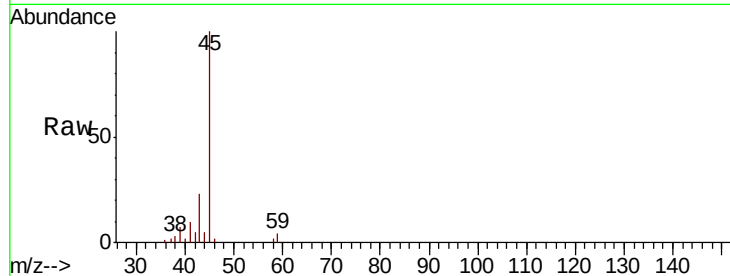




#18
Methvl Acetate
Concen: 3.621 ug/l
RT: 2.44 min Scan# 395
Delta R.T. -0.17 min
Lab File: VU027142.D
Acq: 25 Sep 2018 21:50

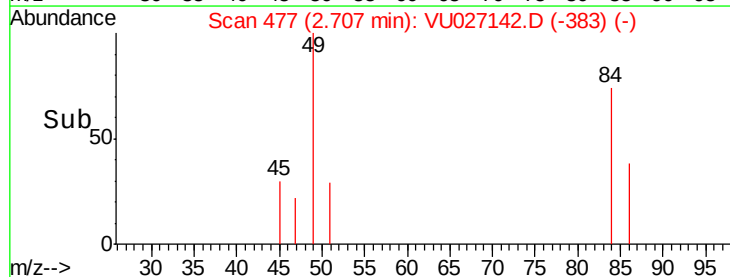
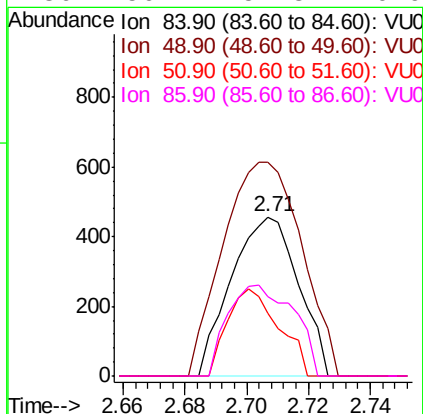
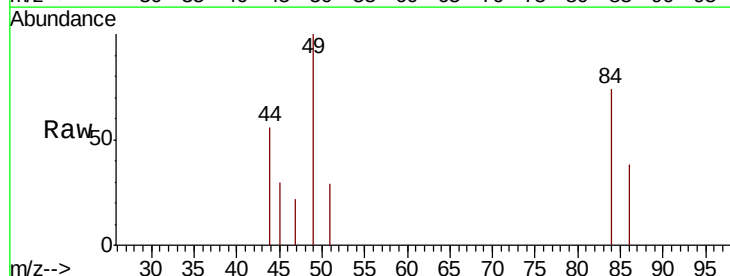
Instrument :
MSVOA_U
ClientSampleId :
TB03-20180916

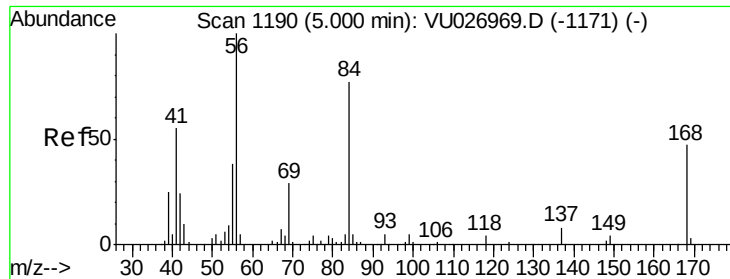
Tot Ion: 43 Resp: 9855
Ion Ratio Lower Upper
43 100
74 0.0 16.6 25.0#



#20
Methylene Chloride
Concen: 0.402 ug/l
RT: 2.71 min Scan# 477
Delta R.T. 0.00 min
Lab File: VU027142.D
Acq: 25 Sep 2018 21:50

Tgt Ion: 84 Resp: 689
Ion Ratio Lower Upper
84 100
49 134.4 114.9 172.3
51 39.5 35.8 53.8
86 50.4 51.3 76.9#

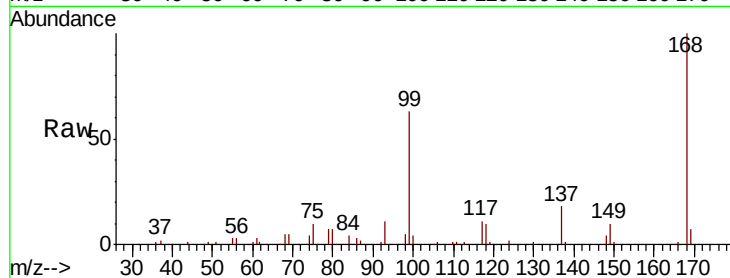




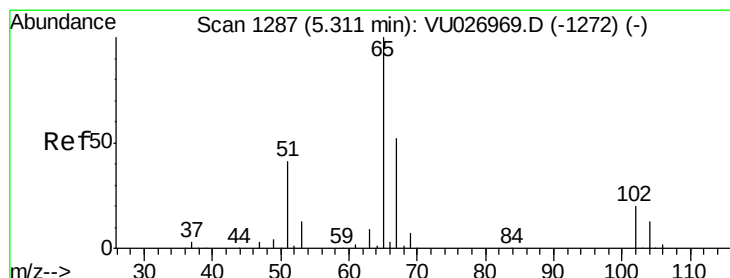
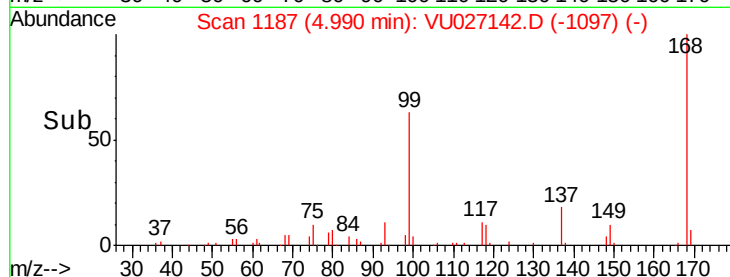
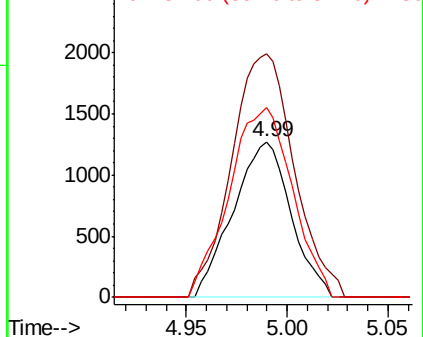
#31
Cyclohexane
Concen: 0.321 ug/l
RT: 4.99 min Scan# 1187
Delta R.T. -0.01 min
Lab File: VU027142.D
Acq: 25 Sep 2018 21:50

Instrument :
MSVOA_U
ClientSampleId :
TB03-20180916

Tot Ion: 56 Resp: 2544
Ion Ratio Lower Upper
56 100
69 156.3 23.0 34.4#
84 122.0 61.4 92.2#

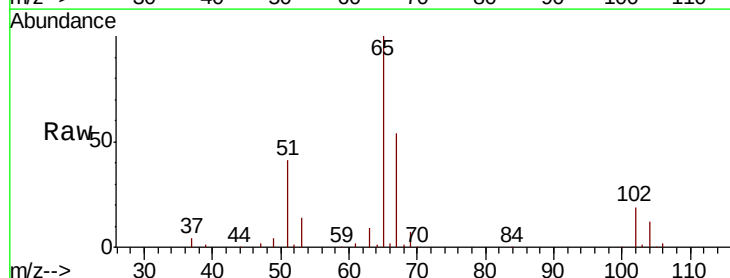


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

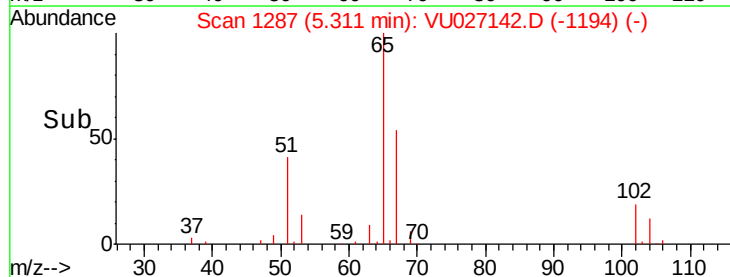
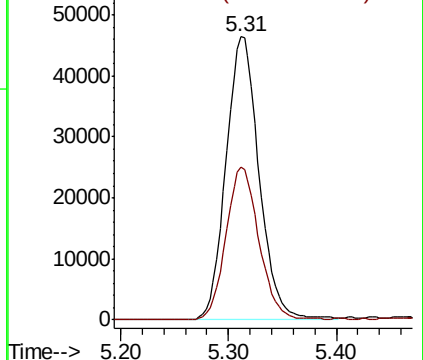


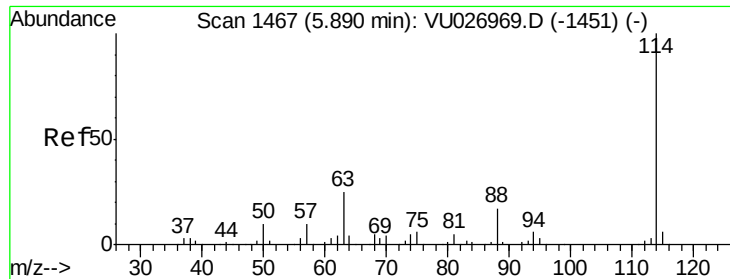
#33
1,2-Dichloroethane-d4
Concen: 51.969 ug/l
RT: 5.31 min Scan# 1287
Delta R.T. 0.00 min
Lab File: VU027142.D
Acq: 25 Sep 2018 21:50

Tgt Ion: 65 Resp: 99386
Ion Ratio Lower Upper
65 100
67 53.7 0.0 105.6



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

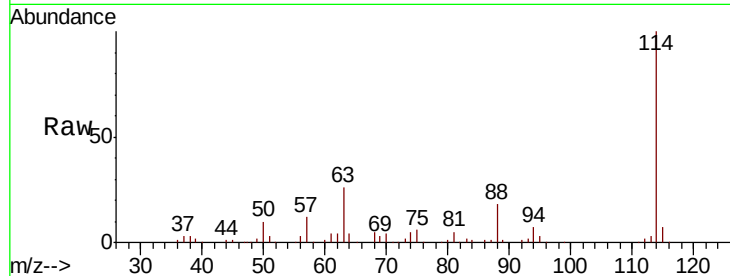




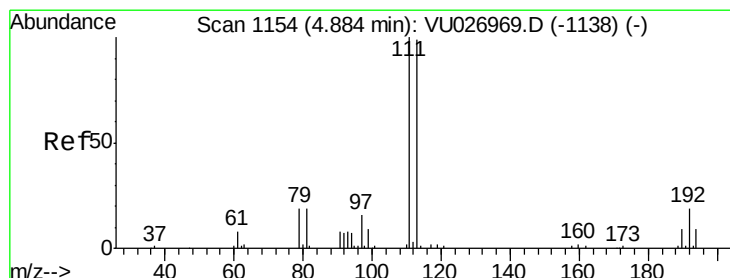
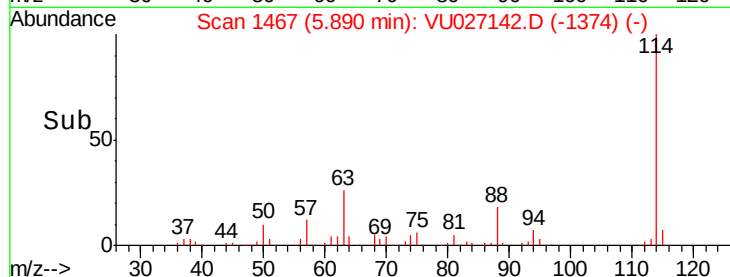
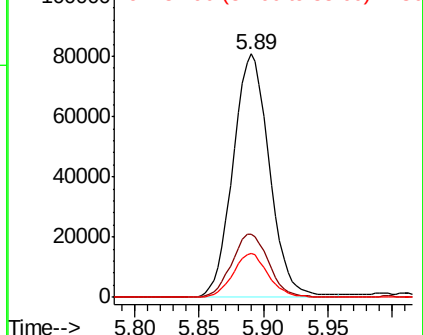
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027142.D
 Acq: 25 Sep 2018 21:50

Instrument :
 MSVOA_U
 ClientSampleId :
 TB03-20180916

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.1	0.0	49.2
88	18.3	0.0	33.8

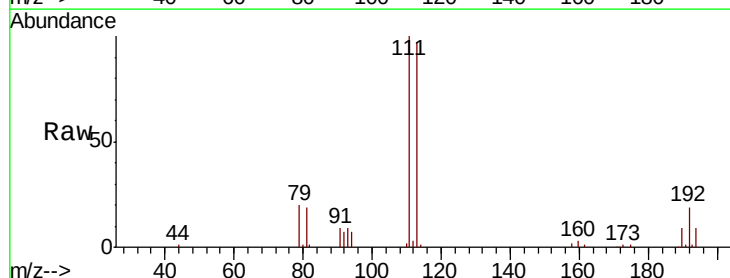


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

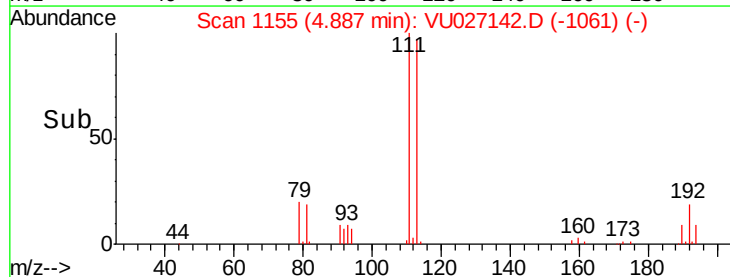
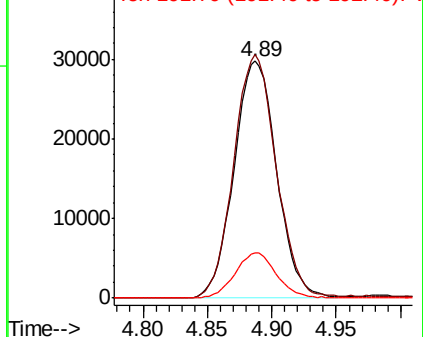


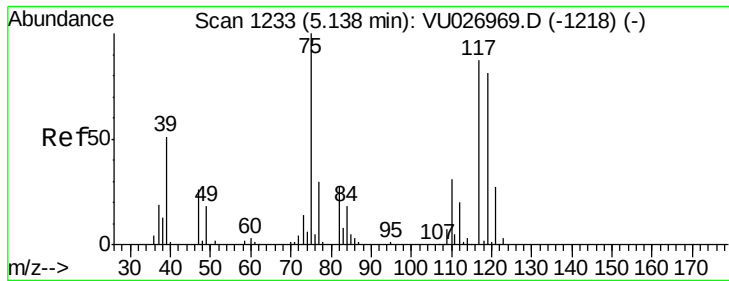
#35
 Dibromofluoromethane
 Concen: 49.694 ug/l
 RT: 4.89 min Scan# 1155
 Delta R.T. 0.00 min
 Lab File: VU027142.D
 Acq: 25 Sep 2018 21:50

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.2	123.4
192	18.4	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

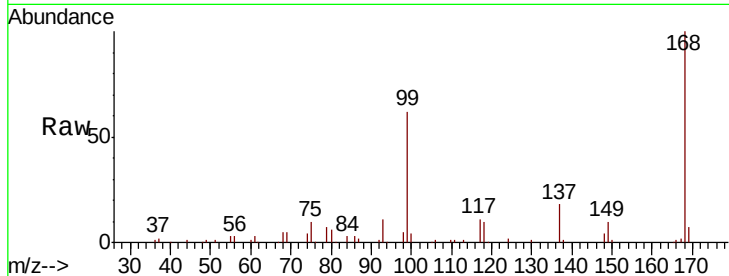




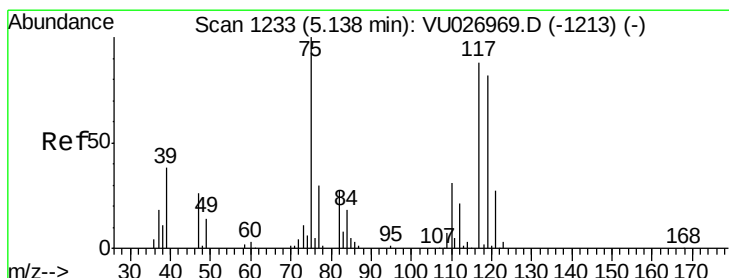
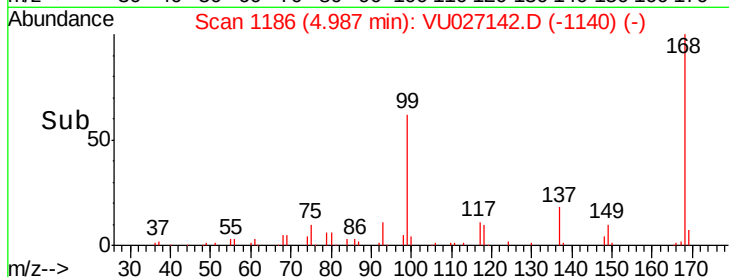
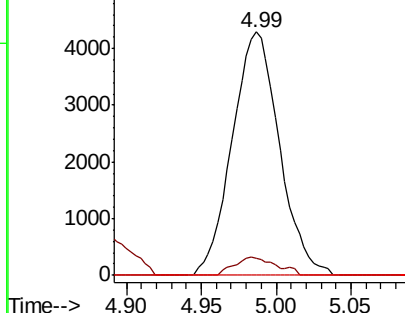
#36
 1,1-Dichloropropene
 Concen: 4.430 ug/l
 RT: 4.99 min Scan# 1186
 Delta R.T. -0.15 min
 Lab File: VU027142.D
 Acq: 25 Sep 2018 21:50

Instrument :
 MSVOA_U
 ClientSampleId :
 TB03-20180916

Tot Ion: 75 Resp: 9426
 Ion Ratio Lower Upper
 75 100
 110 6.5 16.1 48.2#
 77 0.0 24.6 36.8#

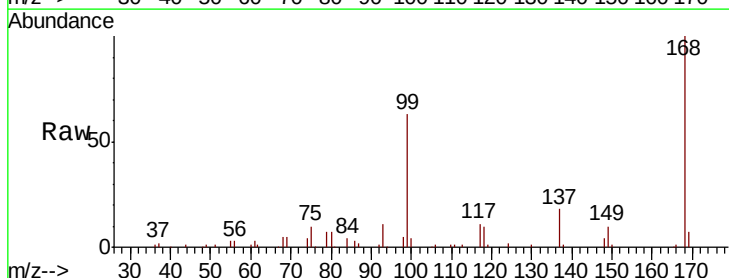


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0

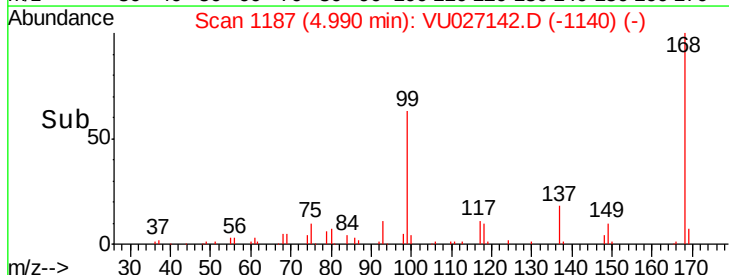
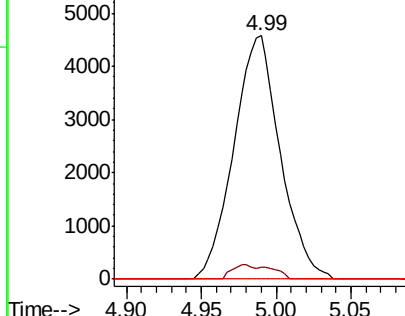


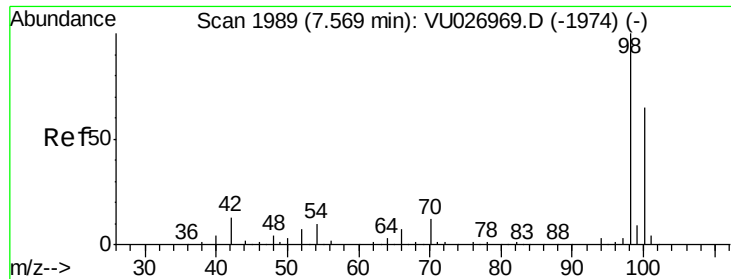
#38
 Carbon Tetrachloride
 Concen: 4.885 ug/l
 RT: 4.99 min Scan# 1187
 Delta R.T. -0.15 min
 Lab File: VU027142.D
 Acq: 25 Sep 2018 21:50

Tgt Ion: 117 Resp: 9891
 Ion Ratio Lower Upper
 117 100
 119 4.9 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

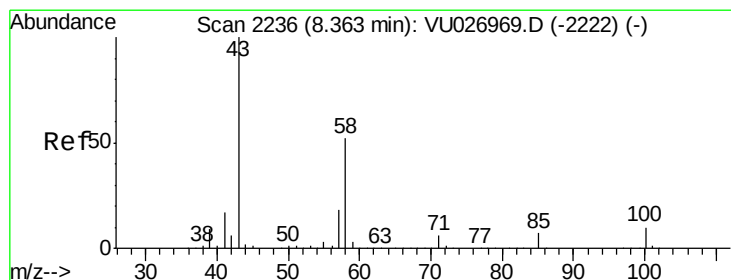
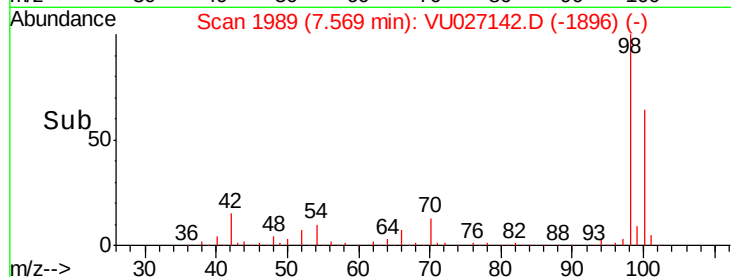
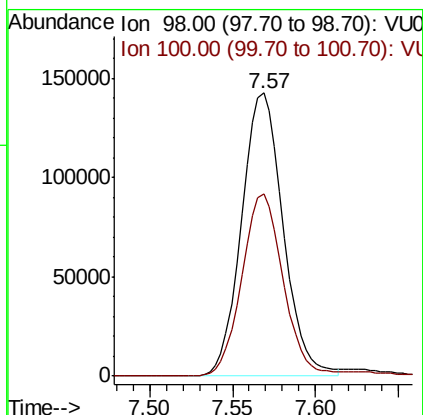
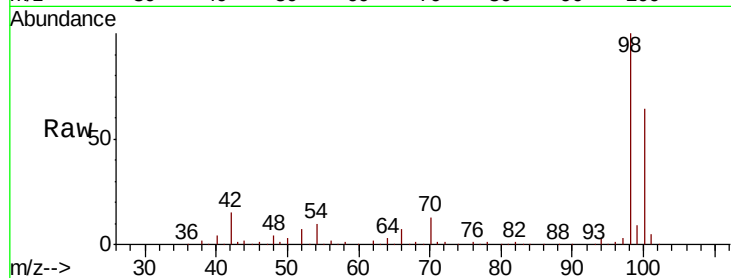




#50
Toluene-d8
Concen: 47.335 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027142.D
Acq: 25 Sep 2018 21:50

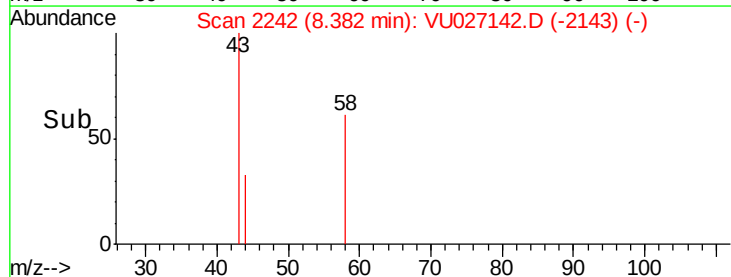
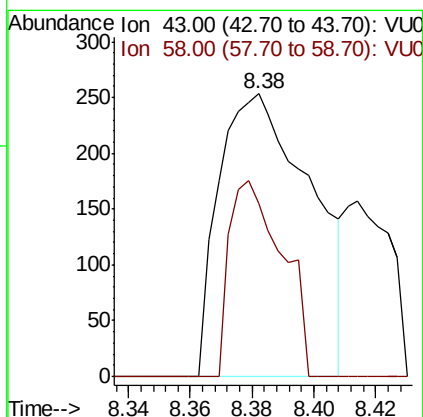
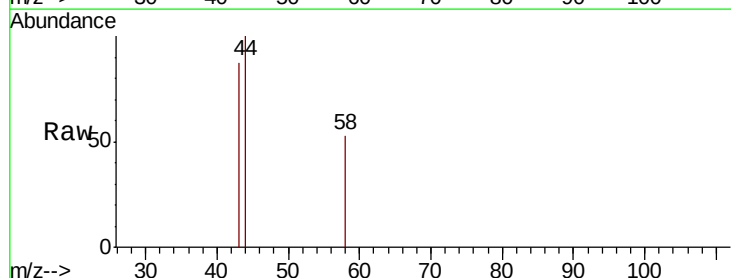
Instrument :
MSVOA_U
ClientSampleId :
TB03-20180916

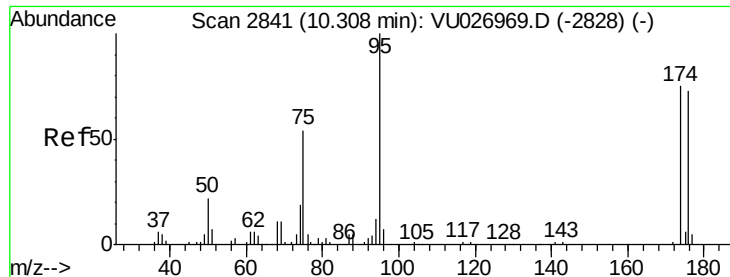
Tot Ion: 98 Resp: 249308
Ion Ratio Lower Upper
98 100
100 65.7 52.1 78.1



#59
2-Hexanone
Concen: 0.236 ug/l
RT: 8.38 min Scan# 2242
Delta R.T. 0.02 min
Lab File: VU027142.D
Acq: 25 Sep 2018 21:50

Tgt Ion: 43 Resp: 523
Ion Ratio Lower Upper
43 100
58 39.6 26.1 78.2

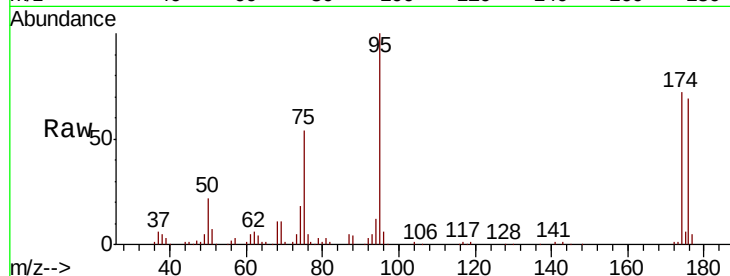




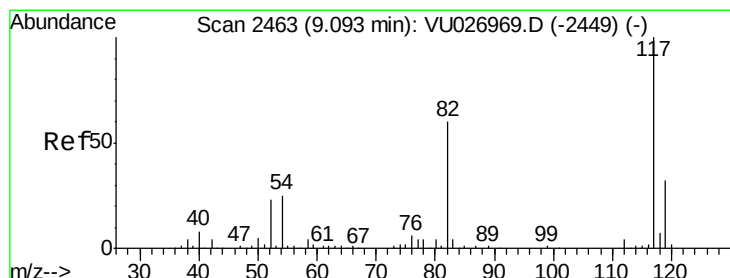
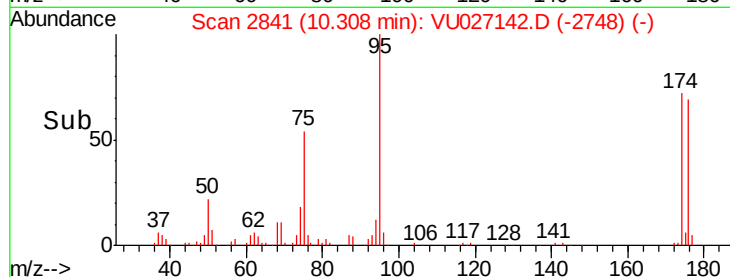
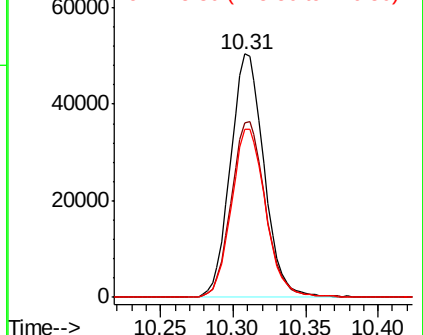
#62
 4-Bromofluorobenzene
 Concen: 44.894 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027142.D
 Acq: 25 Sep 2018 21:50

Instrument :
 MSVOA_U
 ClientSampleId :
 TB03-20180916

Tot Ion: 95 Resp: 81134
 Ion Ratio Lower Upper
 95 100
 174 73.7 0.0 150.2
 176 70.4 0.0 145.2

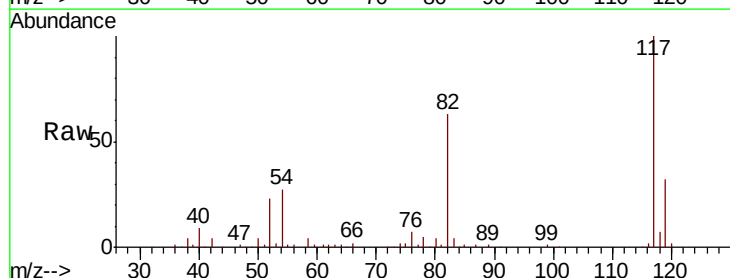


Abundance Ion 94.90 (94.60 to 95.60): VU026969.D (-2828) (-)
 Ion 173.80 (173.50 to 174.50): VU026969.D (-2828) (-)
 Ion 175.80 (175.50 to 176.50): VU026969.D (-2828) (-)

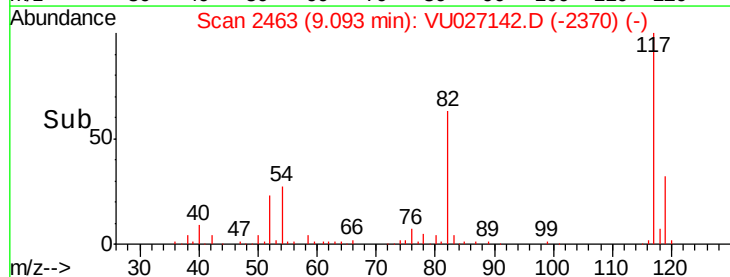
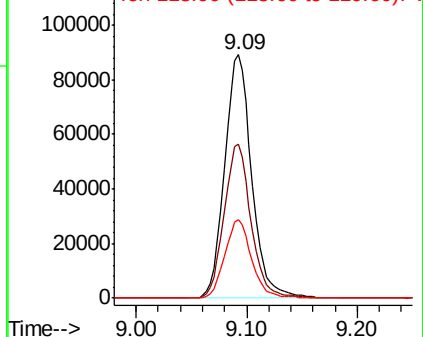


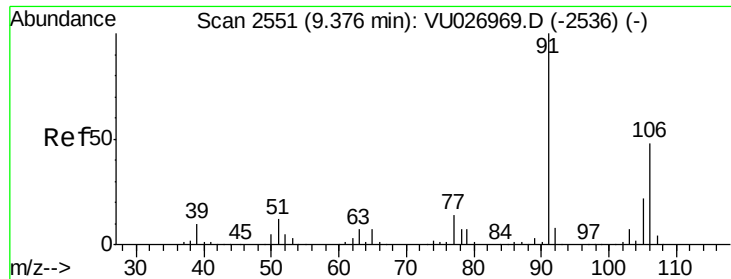
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VU027142.D
 Acq: 25 Sep 2018 21:50

Tgt Ion: 117 Resp: 151557
 Ion Ratio Lower Upper
 117 100
 82 63.3 48.0 72.0
 119 32.1 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): VU026969.D (-2449) (-)
 Ion 82.00 (81.70 to 82.70): VU026969.D (-2449) (-)
 Ion 118.90 (118.60 to 119.60): VU026969.D (-2449) (-)

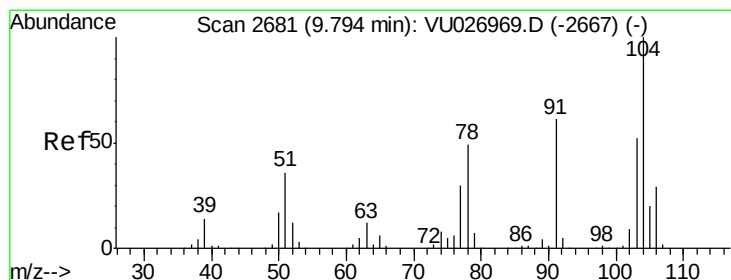
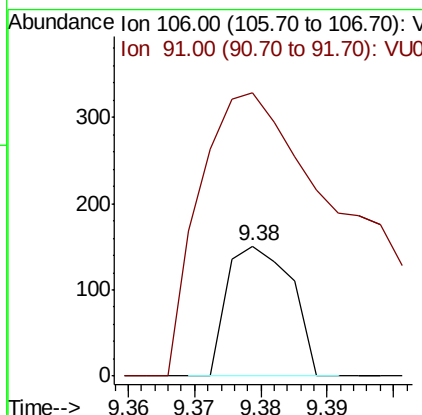
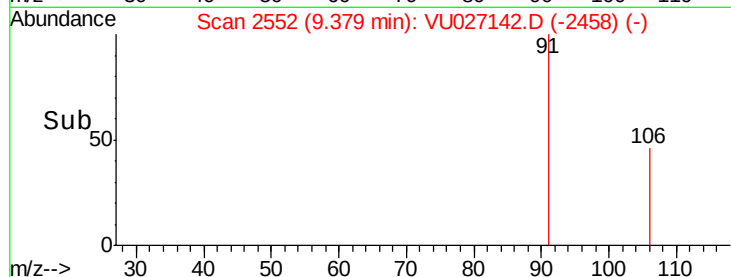
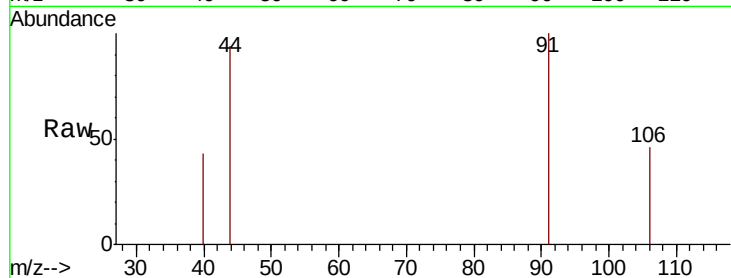




#68
m/p-Xylenes
Concen: 1.538 ug/l
RT: 9.38 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VU027142.D
Acq: 25 Sep 2018 21:50

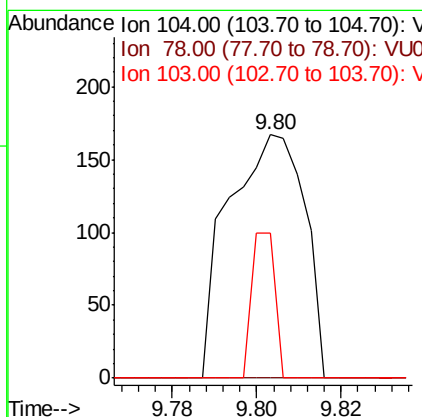
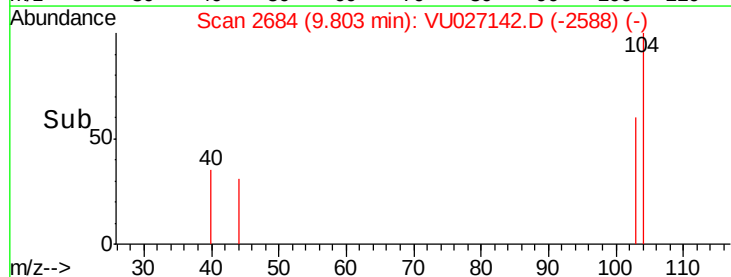
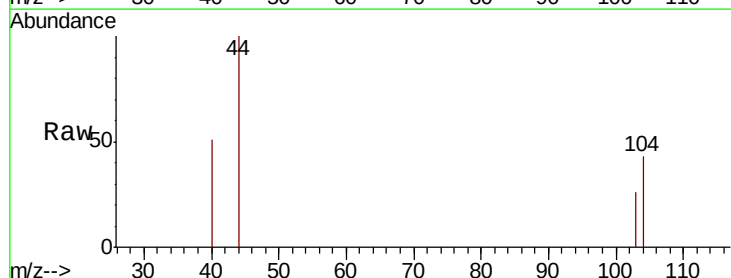
Instrument :
MSVOA_U
ClientSampleId :
TB03-20180916

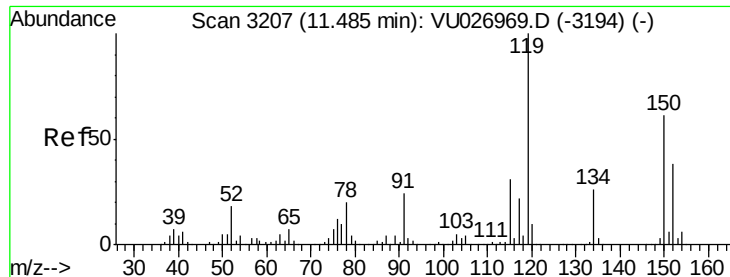
Tot Ion:106 Resp: 102
Ion Ratio Lower Upper
106 100
91 477.5 166.5 249.7#



#70
Styrene
Concen: 1.856 ug/l
RT: 9.80 min Scan# 2684
Delta R.T. 0.01 min
Lab File: VU027142.D
Acq: 25 Sep 2018 21:50

Tgt Ion:104 Resp: 209
Ion Ratio Lower Upper
104 100
78 0.0 43.0 64.4#
103 18.7 44.1 66.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027142.D

Acq: 25 Sep 2018 21:50

Instrument :

MSVOA_U

ClientSampleId :

TB03-20180916

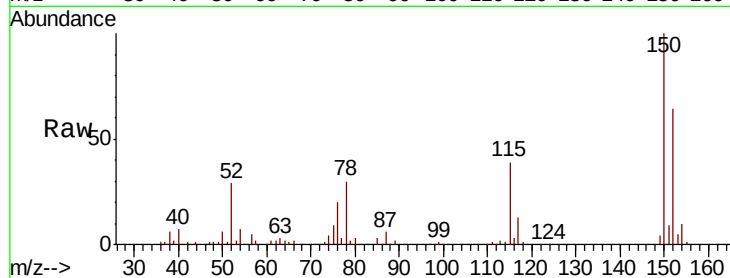
Tot Ion:152 Resp: 68663

Ion Ratio Lower Upper

152 100

115 61.2 44.9 134.5

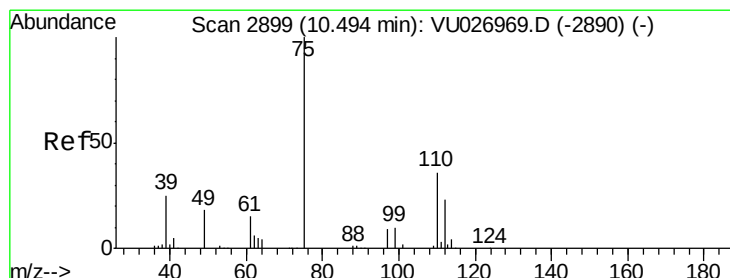
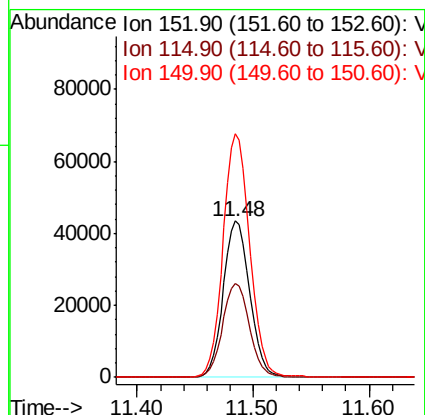
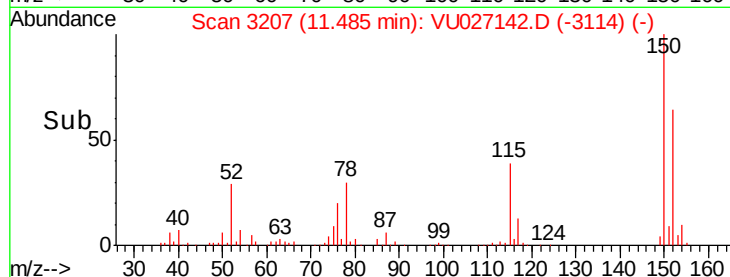
150 156.6 0.0 355.8



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: 21.449 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027142.D

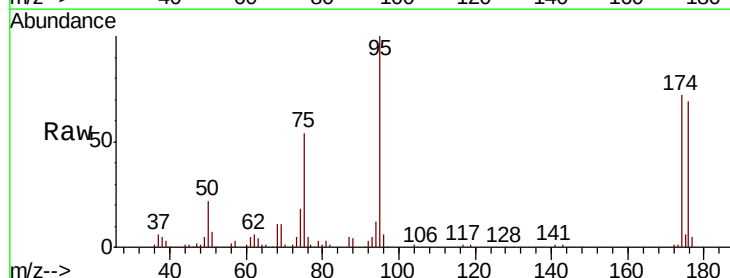
Acq: 25 Sep 2018 21:50

Tgt Ion: 75 Resp: 44741

Ion Ratio Lower Upper

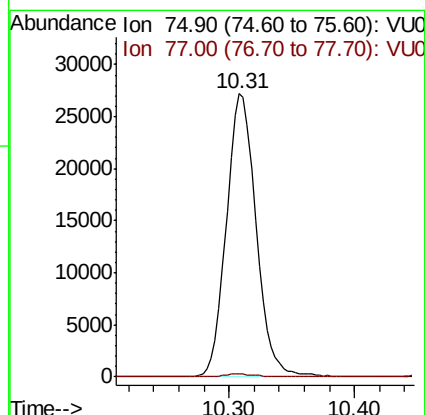
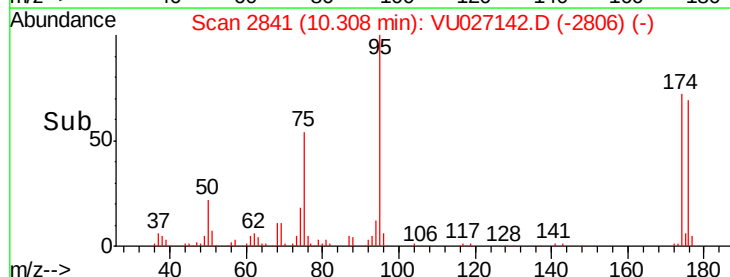
75 100

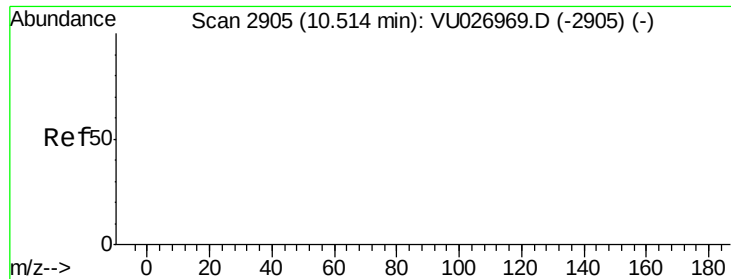
77 0.9 20.9 62.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

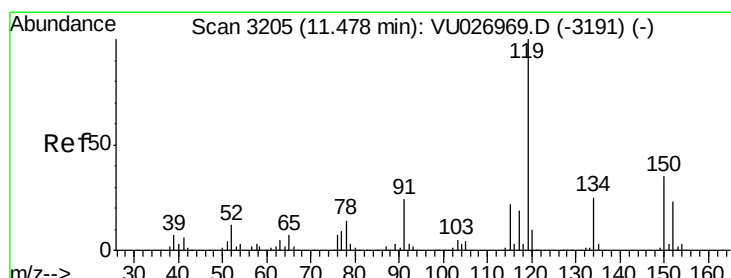
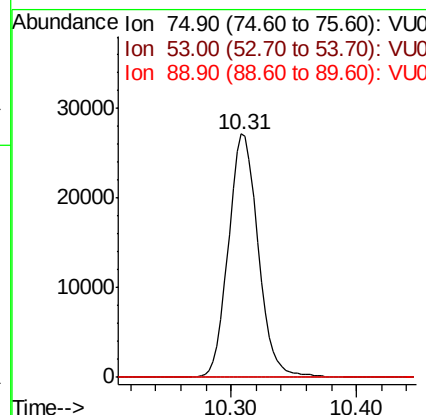
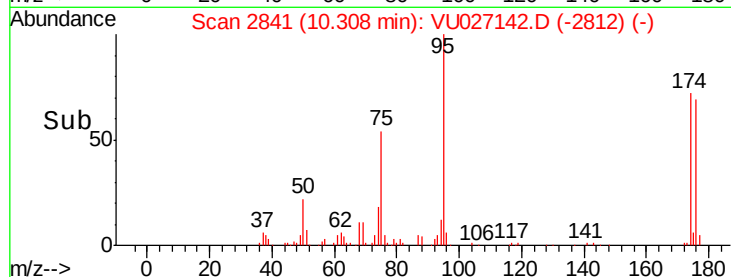
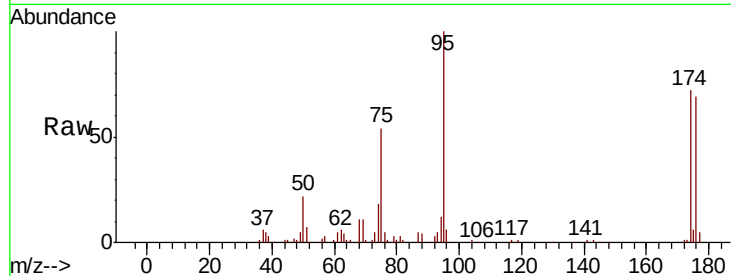




#81
trans-1,4-Dichloro-2-butene
Concen: 68.639 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.21 min
Lab File: VU027142.D
Acq: 25 Sep 2018 21:50

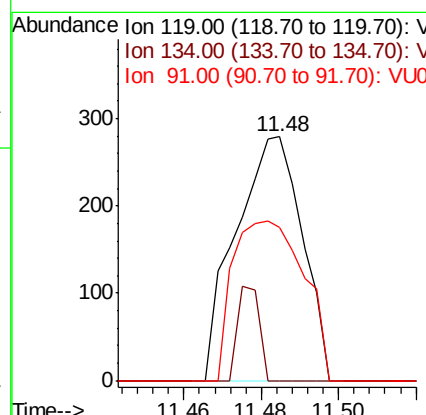
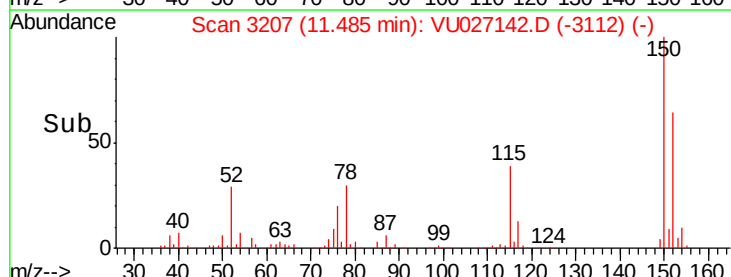
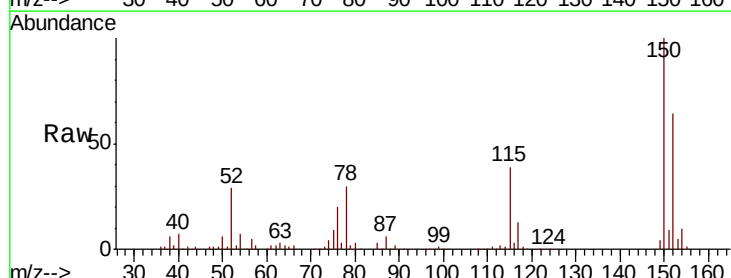
Instrument :
MSVOA_U
ClientSampleId :
TB03-20180916

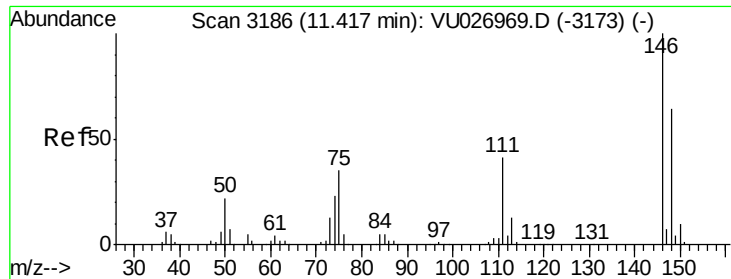
Tot Ion: 75 Resp: 44741
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#86
p-Isopropyltoluene
Concen: 0.994 ug/l
RT: 11.48 min Scan# 3207
Delta R.T. 0.01 min
Lab File: VU027142.D
Acq: 25 Sep 2018 21:50

Tgt Ion: 119 Resp: 333
Ion Ratio Lower Upper
119 100
134 12.3 12.8 38.3#
91 70.0 12.3 36.8#

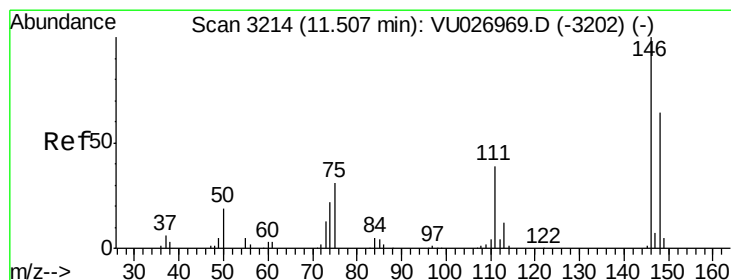
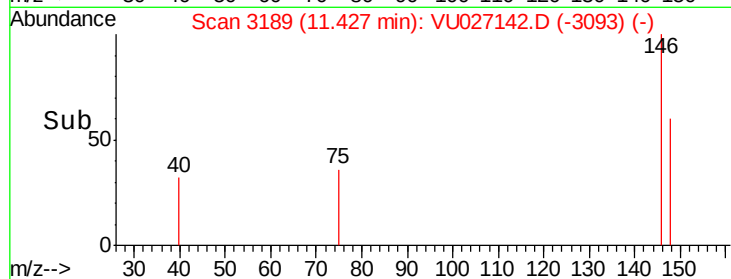
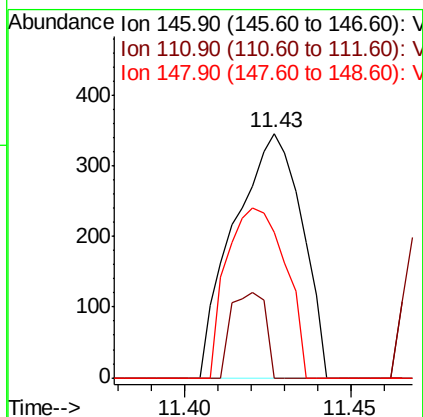
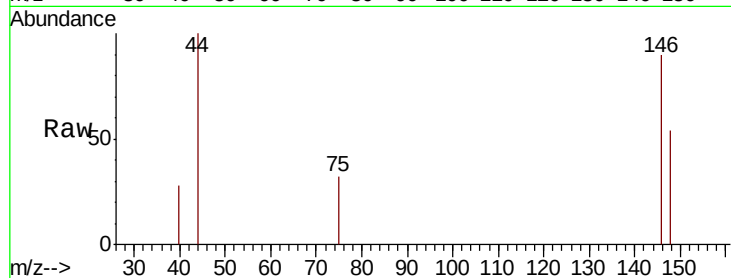




#87
 1,3-Dichlorobenzene
 Concen: 0.207 ug/l
 RT: 11.43 min Scan# 3189
 Delta R.T. 0.01 min
 Lab File: VU027142.D
 Acq: 25 Sep 2018 21:50

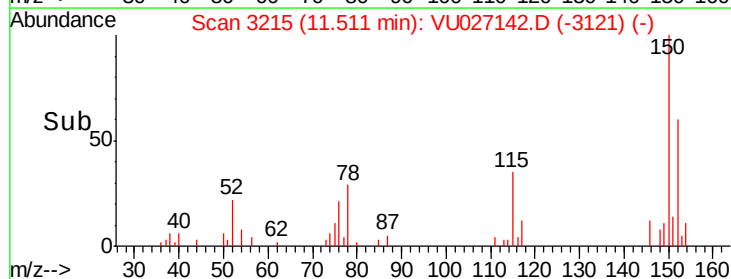
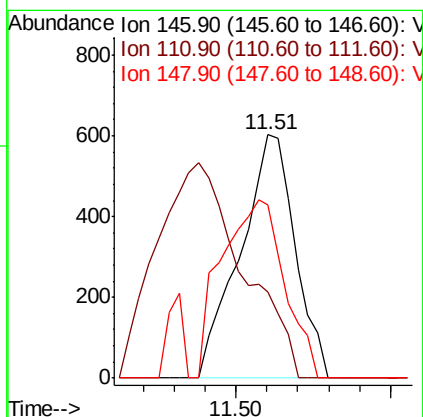
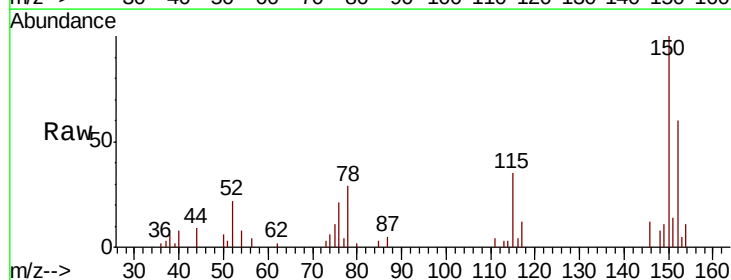
Instrument :
 MSVOA_U
 ClientSampleId :
 TB03-20180916

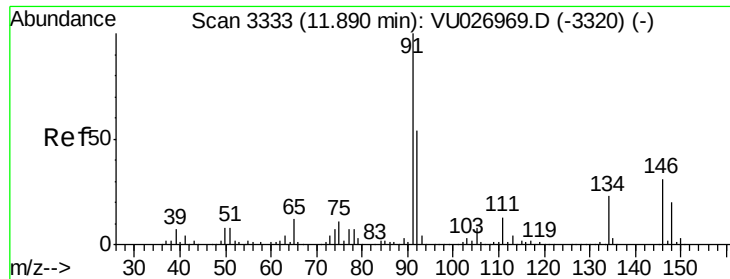
Tot Ion:146 Resp: 492
 Ion Ratio Lower Upper
 146 100
 111 17.5 20.8 62.2#
 148 59.8 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 0.288 ug/l
 RT: 11.51 min Scan# 3215
 Delta R.T. 0.00 min
 Lab File: VU027142.D
 Acq: 25 Sep 2018 21:50

Tgt Ion:146 Resp: 745
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.3 60.9#
 148 84.0 31.9 95.9





#89

n-Butylbenzene

Concen: 2.499 ug/l

RT: 11.90 min Scan# 3336

Delta R.T. 0.01 min

Lab File: VU027142.D

Acq: 25 Sep 2018 21:50

Instrument :

MSVOA_U

ClientSampleId :

TB03-20180916

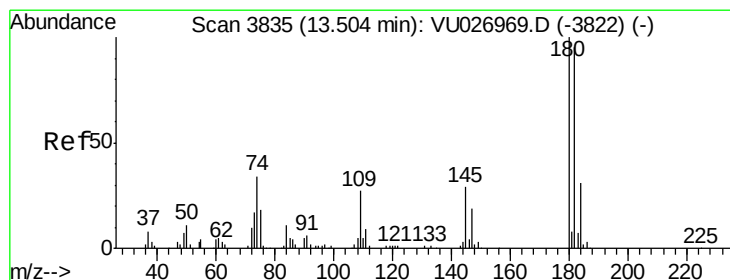
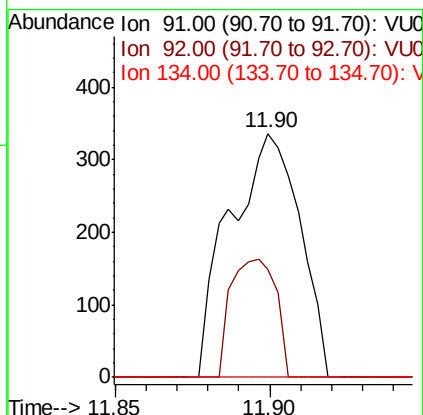
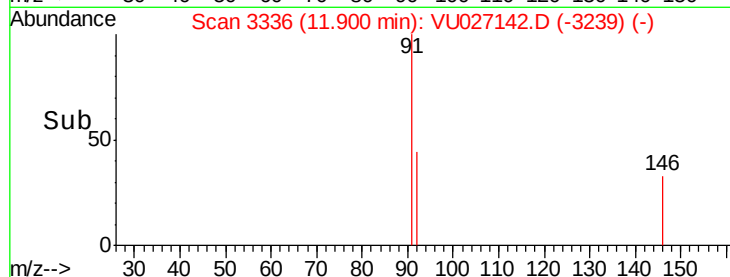
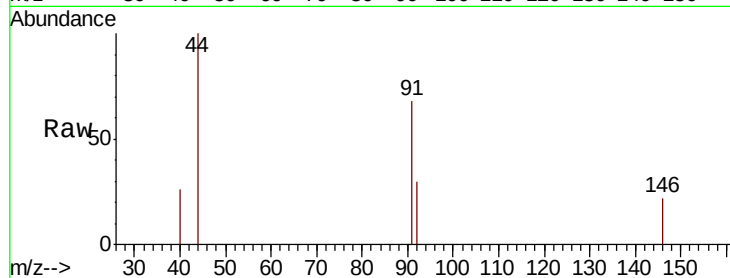
Tot Ion: 91 Resp: 532

Ion Ratio Lower Upper

91 100

92 31.0 27.1 81.2

134 0.0 11.7 35.0#



#93

1,2,4-Trichlorobenzene

Concen: 0.268 ug/l

RT: 13.51 min Scan# 3836

Delta R.T. 0.00 min

Lab File: VU027142.D

Acq: 25 Sep 2018 21:50

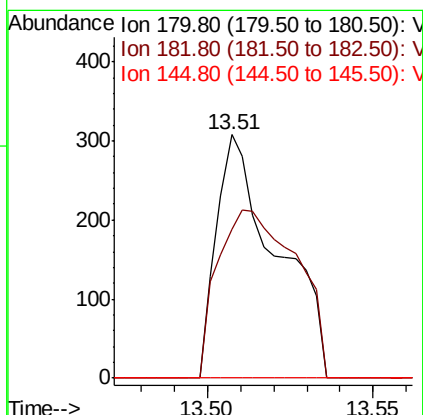
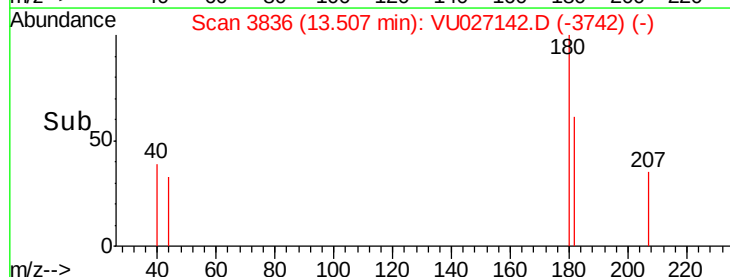
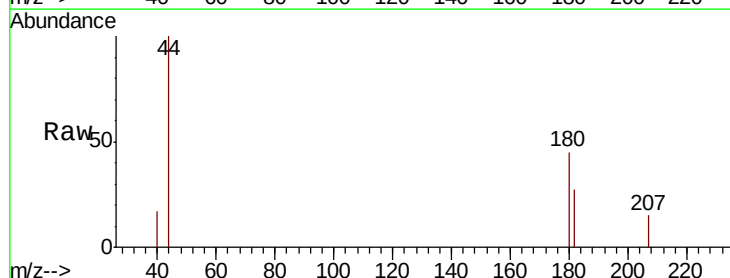
Tgt Ion: 180 Resp: 390

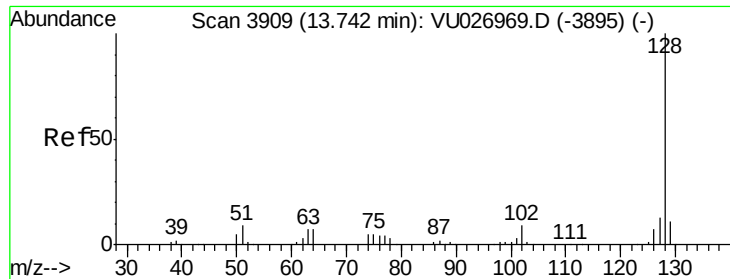
Ion Ratio Lower Upper

180 100

182 90.3 47.4 142.2

145 0.0 14.9 44.5#

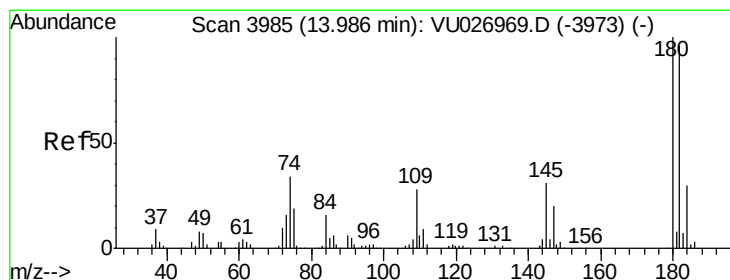
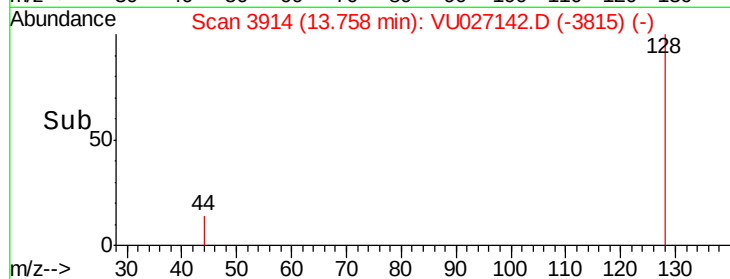
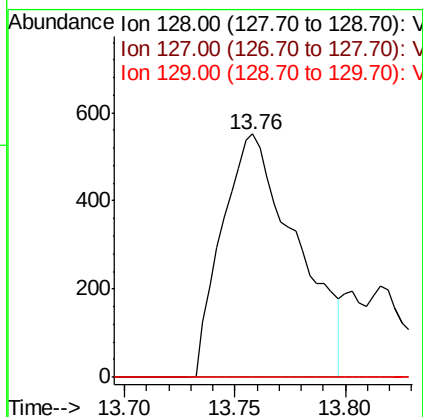
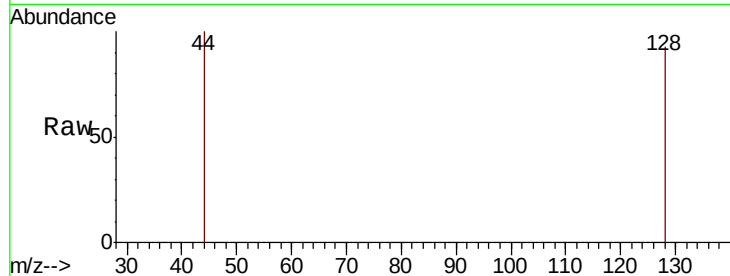




#95
Naphthalene
Concen: 1.908 ug/l
RT: 13.76 min Scan# 3914
Delta R.T. 0.02 min
Lab File: VU027142.D
Acq: 25 Sep 2018 21:50

Instrument :
MSVOA_U
ClientSampleId :
TB03-20180916

Tot Ion:128 Resp: 1290
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 0.257 ug/l
RT: 13.99 min Scan# 3987
Delta R.T. 0.01 min
Lab File: VU027142.D
Acq: 25 Sep 2018 21:50

Tgt Ion:180 Resp: 400
Ion Ratio Lower Upper
180 100
182 89.5 47.5 142.5
145 0.0 15.4 46.4#

