

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU100418\
 Data File : VU027421.D
 Acq On : 04 Oct 2018 20:24
 Operator : MD/SY
 Sample : J5255-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-4

Quant Time: Oct 05 03:17:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 02:04:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	106211	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	190219	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	182420	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	99212	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	104406	58.87	ug/l	0.00
Spiked Amount			Recovery	=	117.74%	
35) Dibromofluoromethane	4.89	113	75458	57.88	ug/l	0.00
Spiked Amount			Recovery	=	115.76%	
50) Toluene-d8	7.57	98	289994	59.44	ug/l	0.00
Spiked Amount			Recovery	=	118.88%	
62) 4-Bromofluorobenzene	10.31	95	103781	57.23	ug/l	0.00
Spiked Amount			Recovery	=	114.46%	

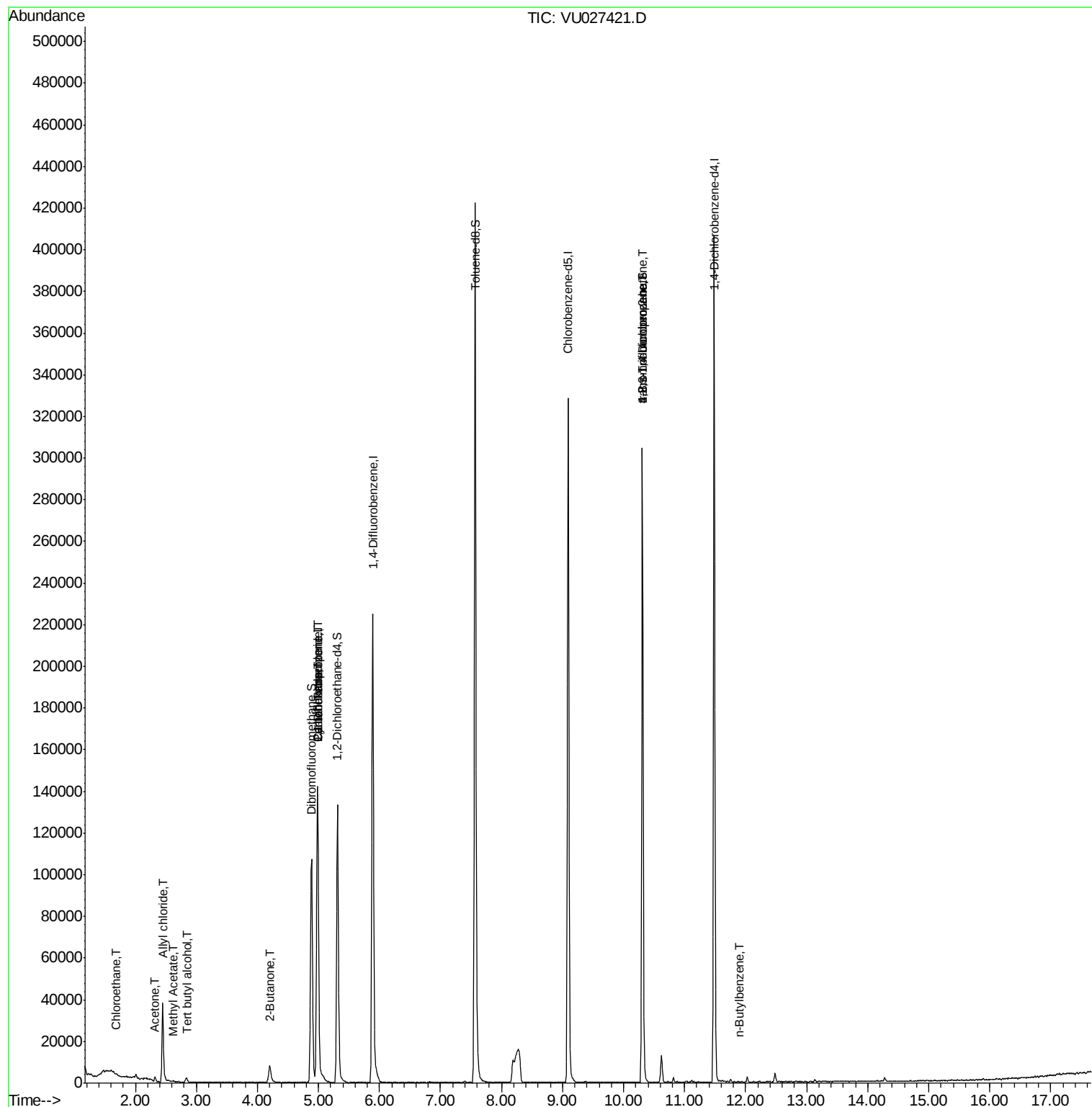
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.68	64	426	0.364	ug/l #	44
11) Tert butyl alcohol	2.83	59	2557	6.846	ug/l #	72
14) Allyl chloride	2.45	41	3751	1.408	ug/l #	70
16) Acetone	2.32	43	2641	2.521	ug/l	96
18) Methyl Acetate	2.62	43	790	0.331	ug/l #	56
25) 2-Butanone	4.19	43	385	0.269	ug/l #	54
31) Cyclohexane	4.98	56	2601	0.680	ug/l #	1
36) 1,1-Dichloropropene	4.98	75	9430	4.566	ug/l #	46
38) Carbon Tetrachloride	4.99	117	10884	5.834	ug/l #	17
76) 1,2,3-Trichloropropane	10.31	75	55079	21.416	ug/l #	37
81) trans-1,4-Dichloro-2-buten	10.31	75	55079	56.049	ug/l #	100
89) n-Butylbenzene	11.90	91	88	1.962	ug/l #	33

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

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Quant Time: Oct 05 03:17:51 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U100118W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 02 02:04:34 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: VU027421.D

Acq: 04 Oct 2018 20:24

Instrument :

MSVOA_U

ClientSampleId :

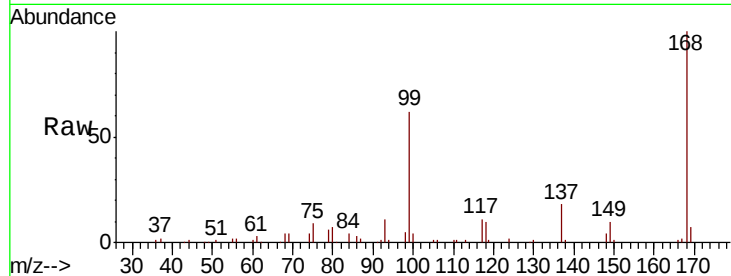
MW-4

Tgt Ion:168 Resp: 106211

Ion Ratio Lower Upper

168 100

99 61.7 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): VU027314.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027314.D (-1169) (-)

4.99

50000

40000

30000

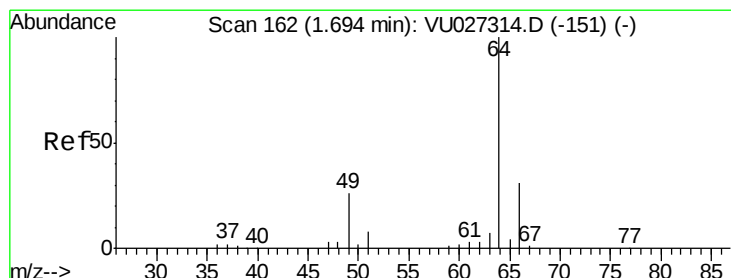
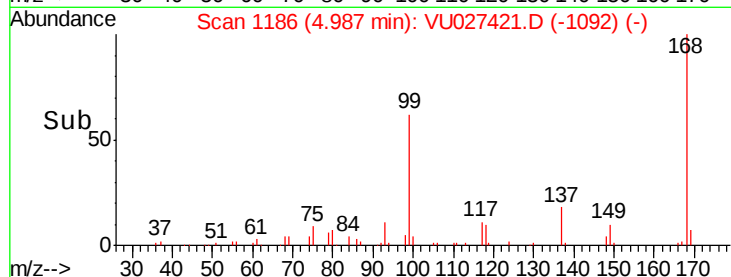
20000

10000

0

Time-->

4.90 4.95 5.00 5.05



#6

Chloroethane

Concen: 0.364 ug/l

RT: 1.68 min Scan# 159

Delta R.T. -0.01 min

Lab File: VU027421.D

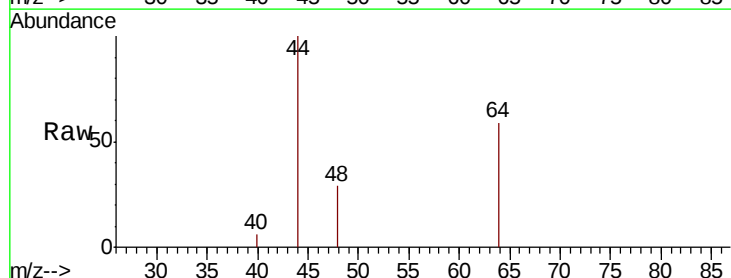
Acq: 04 Oct 2018 20:24

Tgt Ion: 64 Resp: 426

Ion Ratio Lower Upper

64 100

66 0.0 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VU027314.D (-151) (-)

Ion 65.90 (65.60 to 66.60): VU027314.D (-151) (-)

1.68

1500

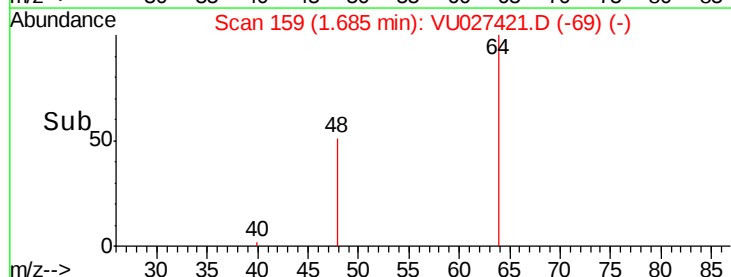
1000

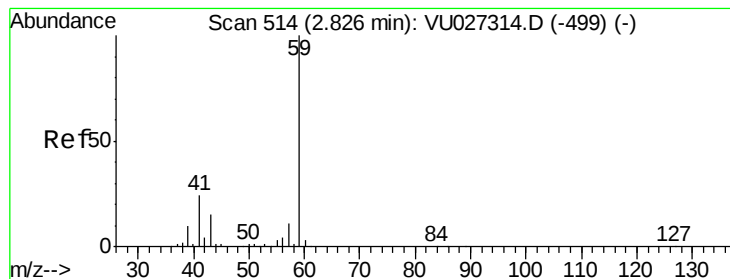
500

0

Time-->

1.66 1.68 1.70



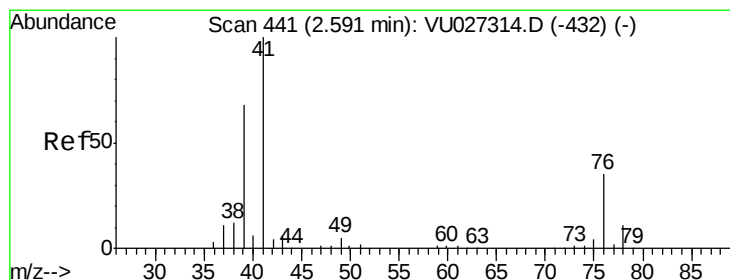
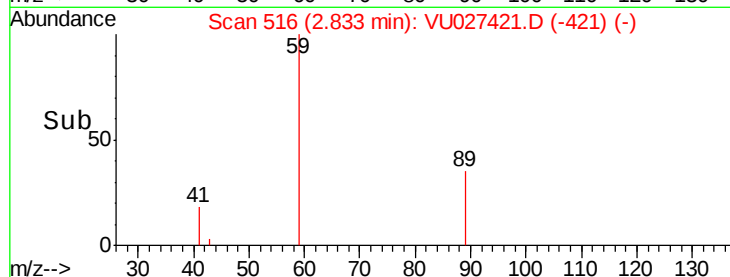
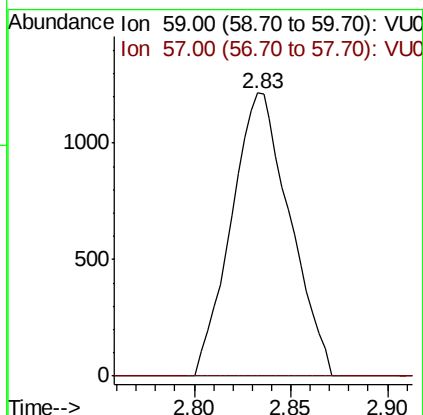
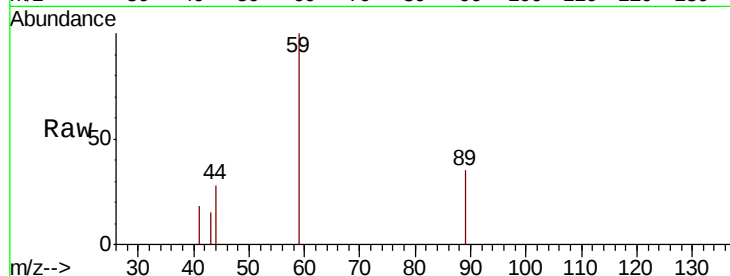


#11

Tert butyl alcohol
 Concen: 6.846 ug/l
 RT: 2.83 min Scan# 516
 Delta R.T. 0.01 min
 Lab File: VU027421.D
 Acq: 04 Oct 2018 20:24

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-4

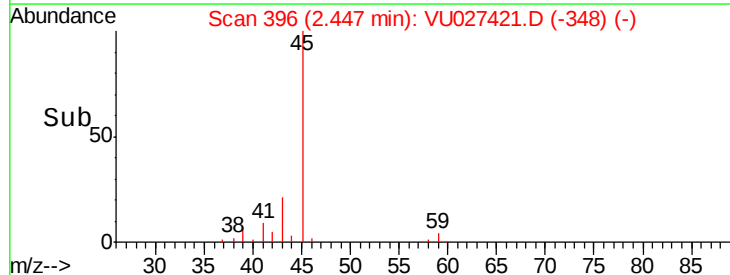
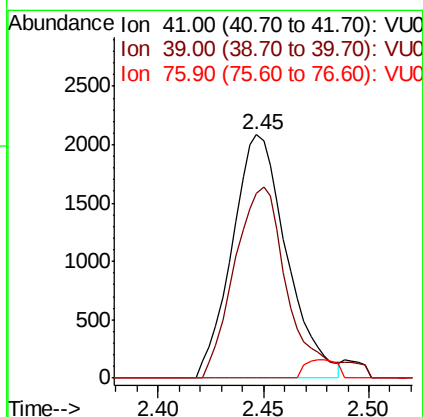
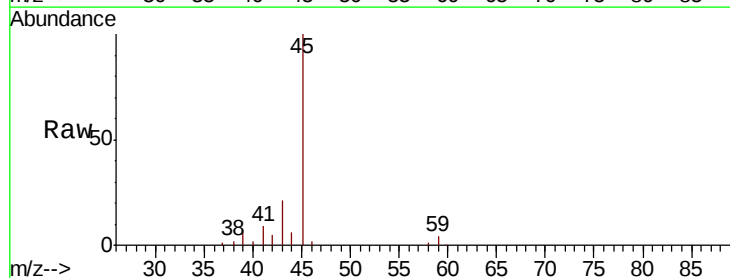
Tgt Ion: 59 Resp: 2557
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

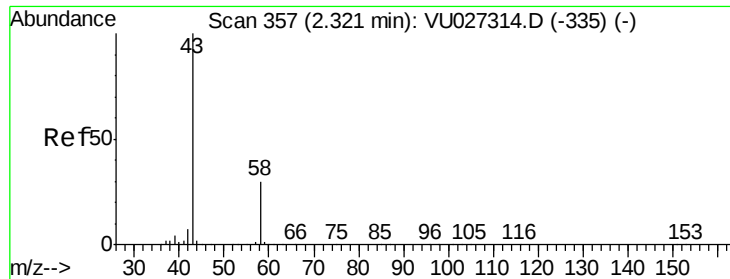


#14

Allyl chloride
 Concen: 1.408 ug/l
 RT: 2.45 min Scan# 396
 Delta R.T. -0.14 min
 Lab File: VU027421.D
 Acq: 04 Oct 2018 20:24

Tgt Ion: 41 Resp: 3751
 Ion Ratio Lower Upper
 41 100
 39 77.9 51.8 77.8#
 76 0.0 25.9 38.9#





#16

Acetone

Concen: 2.521 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU027421.D

Acq: 04 Oct 2018 20:24

Instrument :

MSVOA_U

ClientSampleId :

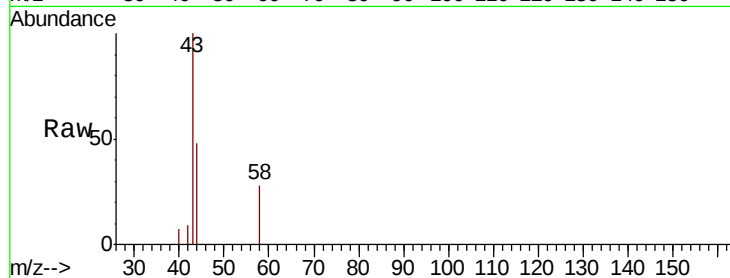
MW-4

Tgt Ion: 43 Resp: 2641

Ion Ratio Lower Upper

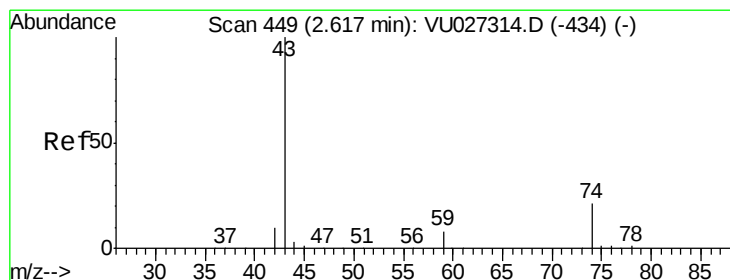
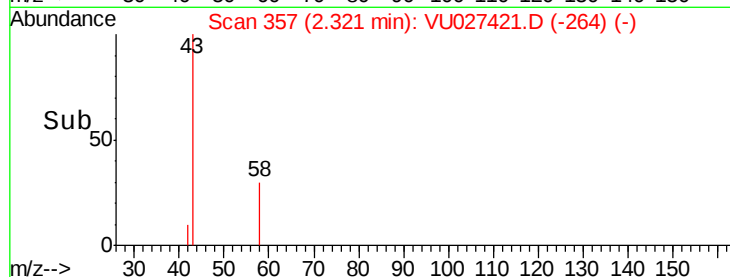
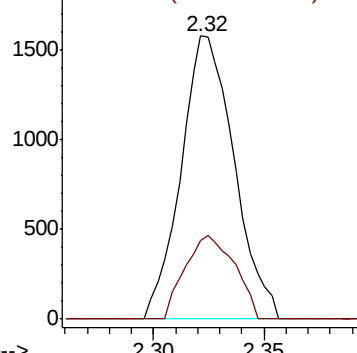
43 100

58 27.9 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#18

Methyl Acetate

Concen: 0.331 ug/l

RT: 2.62 min Scan# 450

Delta R.T. 0.00 min

Lab File: VU027421.D

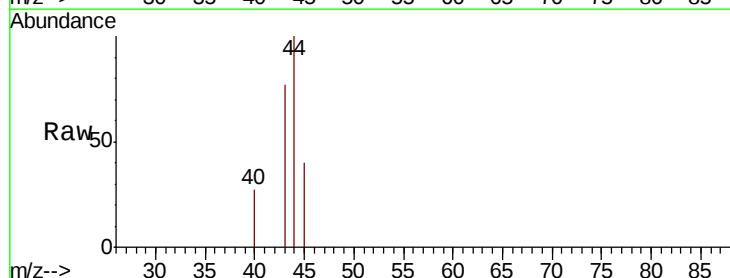
Acq: 04 Oct 2018 20:24

Tgt Ion: 43 Resp: 790

Ion Ratio Lower Upper

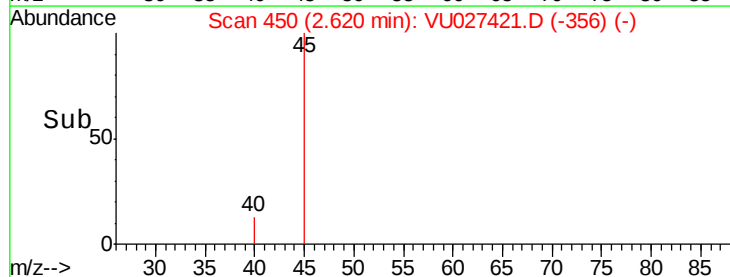
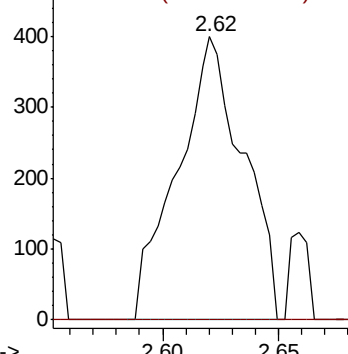
43 100

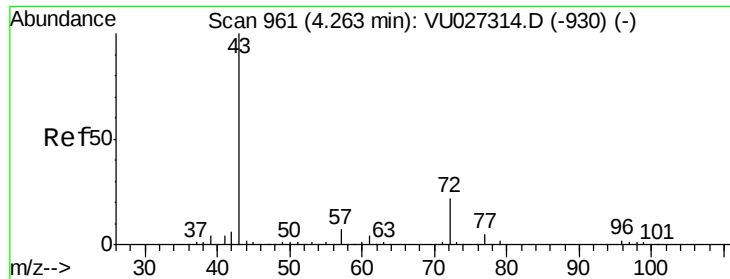
74 0.0 16.5 24.7#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





#25

2-Butanone

Concen: 0.269 ug/l

RT: 4.19 min Scan# 939

Delta R.T. -0.07 min

Lab File: VU027421.D

Acq: 04 Oct 2018 20:24

Instrument :

MSVOA_U

ClientSampled :

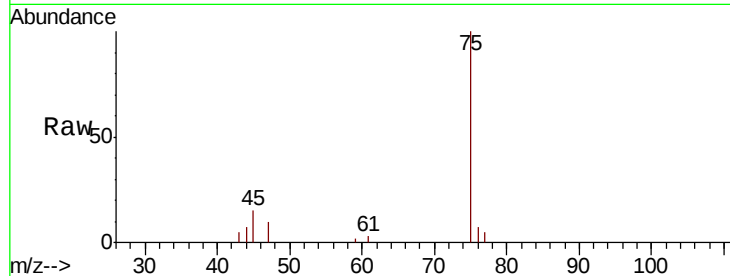
MW-4

Tgt Ion: 43 Resp: 385

Ion Ratio Lower Upper

43 100

72 0.0 17.8 26.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

4.19

250

200

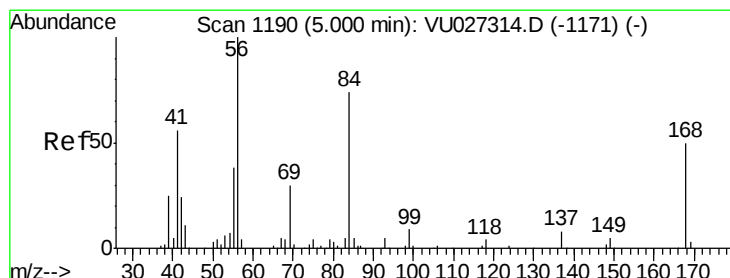
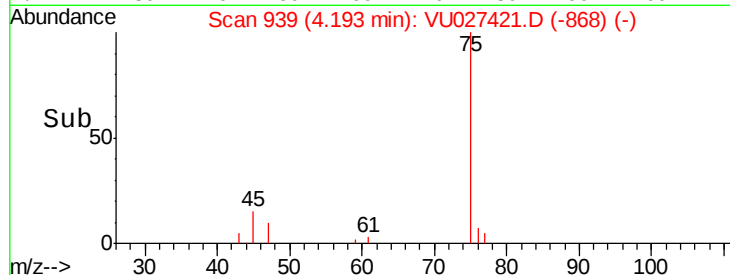
150

100

50

0

Time-->



#31

Cyclohexane

Concen: 0.680 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.02 min

Lab File: VU027421.D

Acq: 04 Oct 2018 20:24

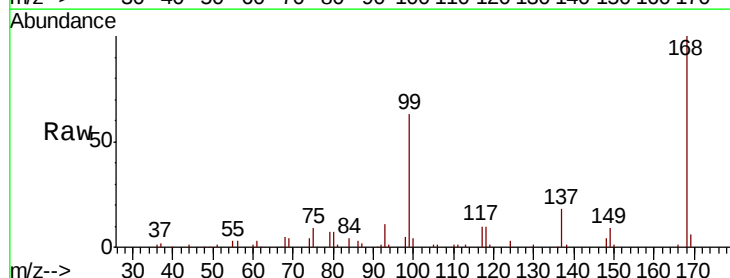
Tgt Ion: 56 Resp: 2601

Ion Ratio Lower Upper

56 100

69 163.0 24.1 36.1#

84 150.6 59.1 88.7#



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

2500

2000

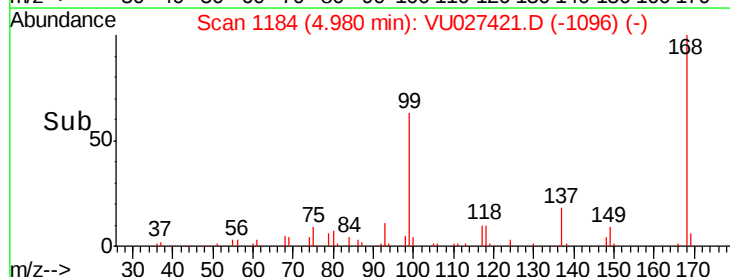
1500

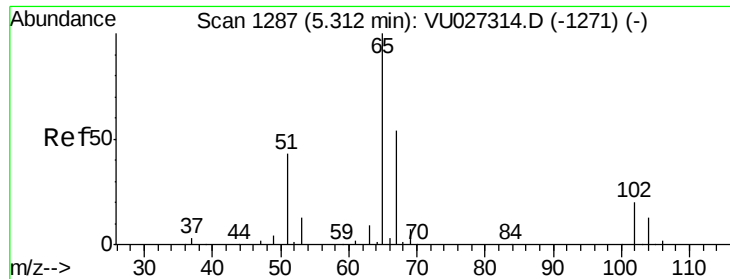
1000

500

0

Time-->

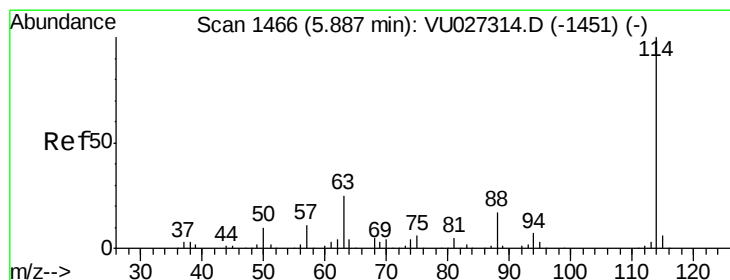
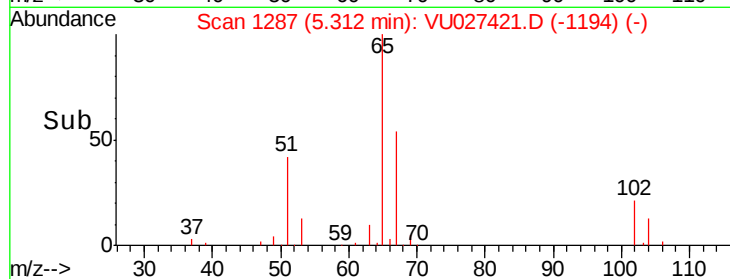
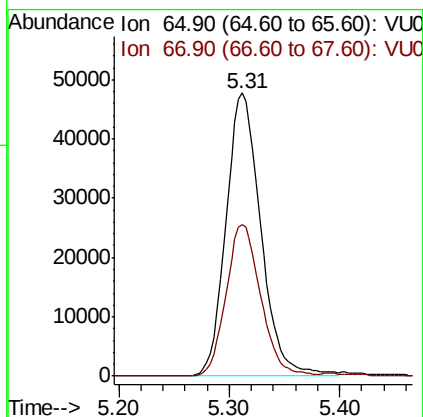
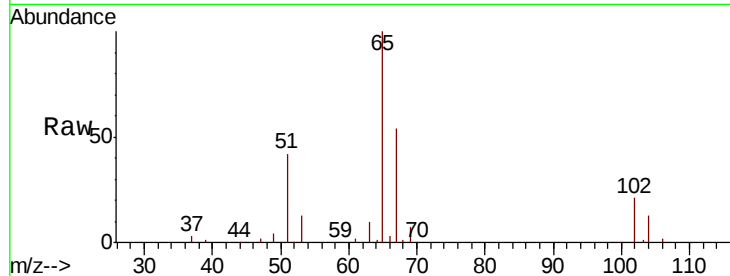




#33
 1,2-Dichloroethane-d4
 Concen: 58.869 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VU027421.D
 Acq: 04 Oct 2018 20:24

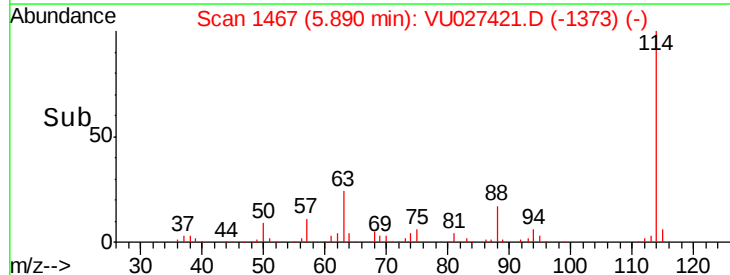
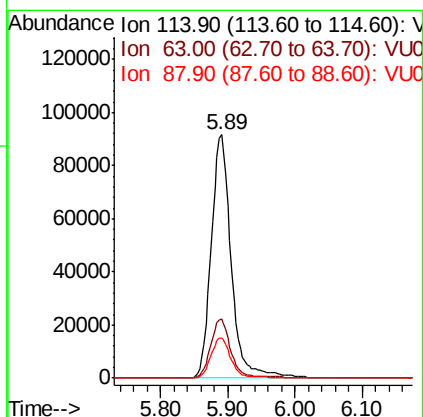
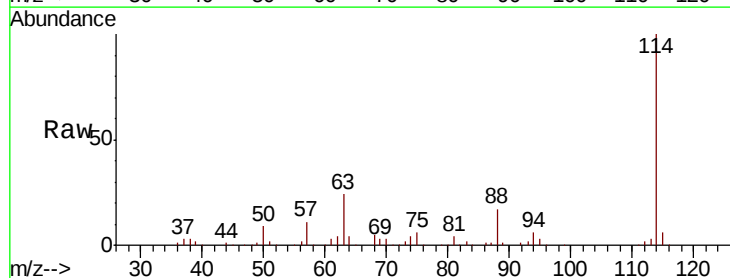
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-4

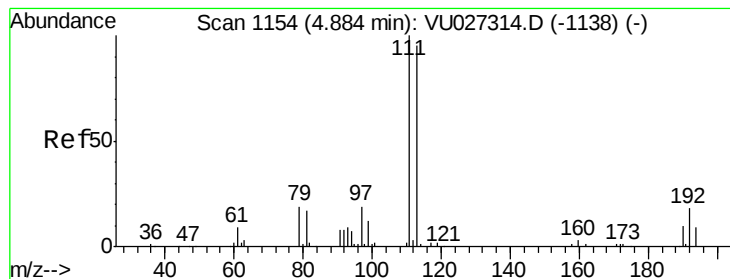
Tgt Ion: 65 Resp: 104406
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1467
 Delta R.T. 0.00 min
 Lab File: VU027421.D
 Acq: 04 Oct 2018 20:24

Tgt Ion: 114 Resp: 190219
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 50.2
 88 16.7 0.0 33.8





#35

Dibromofluoromethane

Concen: 57.883 ug/l

RT: 4.89 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VU027421.D

Acq: 04 Oct 2018 20:24

Instrument :

MSVOA_U

ClientSampleId :

MW-4

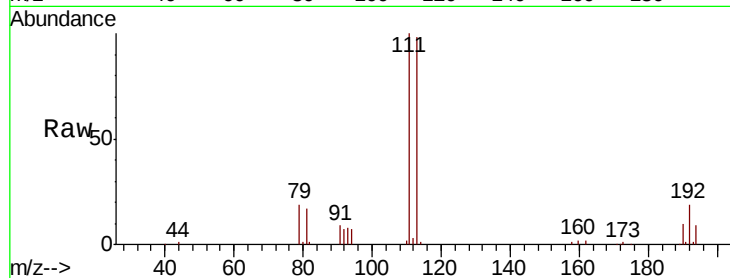
Tgt Ion:113 Resp: 75458

Ion Ratio Lower Upper

113 100

111 104.1 83.1 124.7

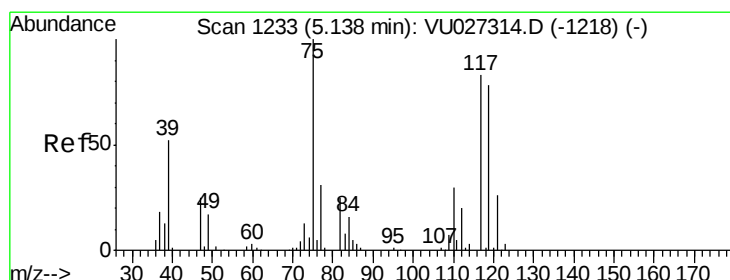
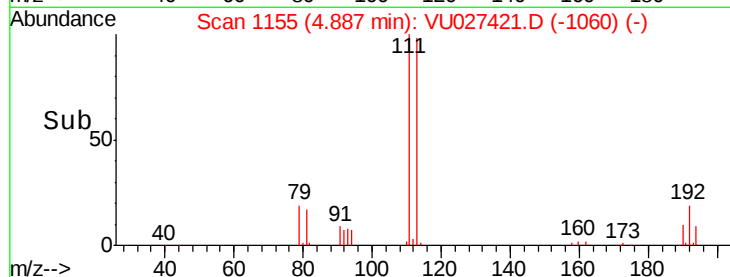
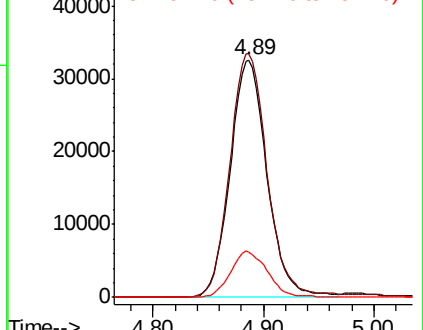
192 19.3 15.4 23.0



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: 4.566 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU027421.D

Acq: 04 Oct 2018 20:24

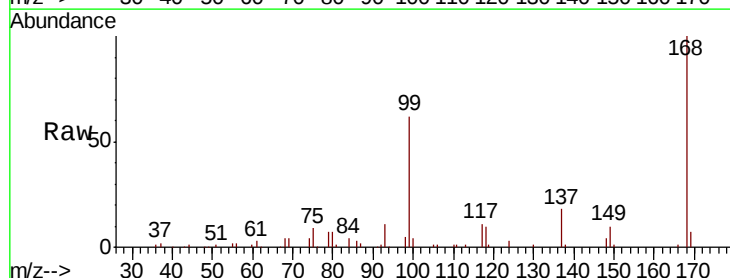
Tgt Ion: 75 Resp: 9430

Ion Ratio Lower Upper

75 100

110 3.4 15.5 46.5#

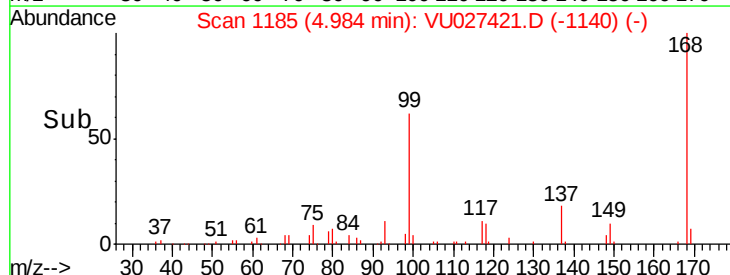
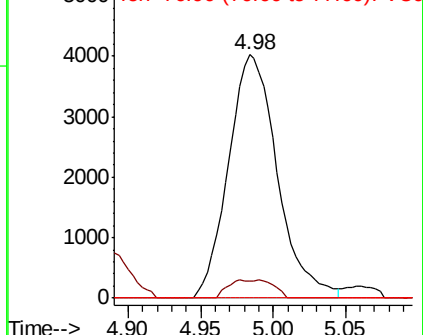
77 0.0 25.4 38.0#

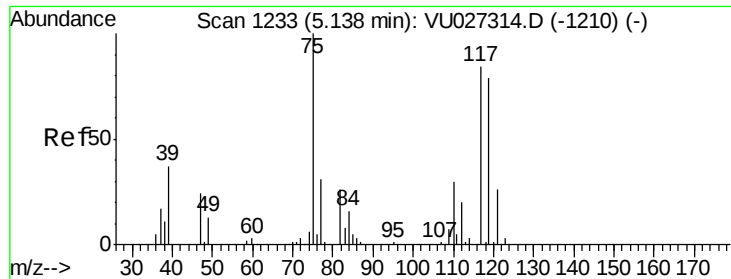


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0

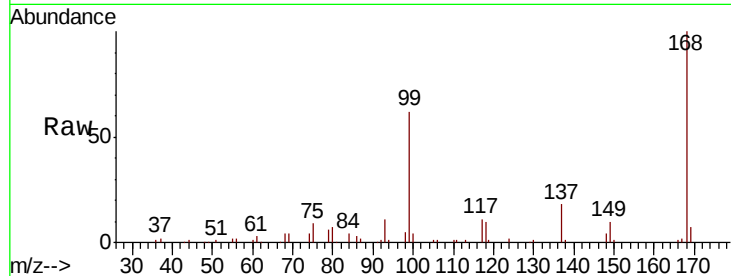




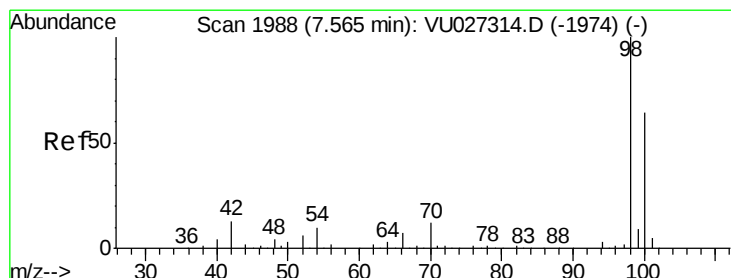
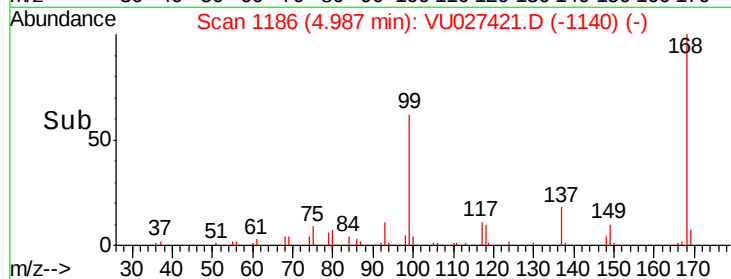
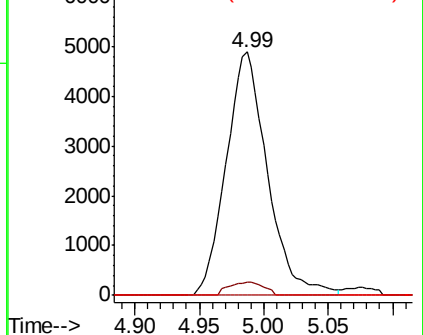
#38
Carbon Tetrachloride
Concen: 5.834 ug/l
RT: 4.99 min Scan# 1186
Delta R.T. -0.15 min
Lab File: VU027421.D
Acq: 04 Oct 2018 20:24

Instrument :
MSVOA_U
ClientSampleId :
MW-4

Tgt Ion: 117 Resp: 10884
Ion Ratio Lower Upper
117 100
119 5.4 74.5 111.7#
121 0.0 24.6 37.0#

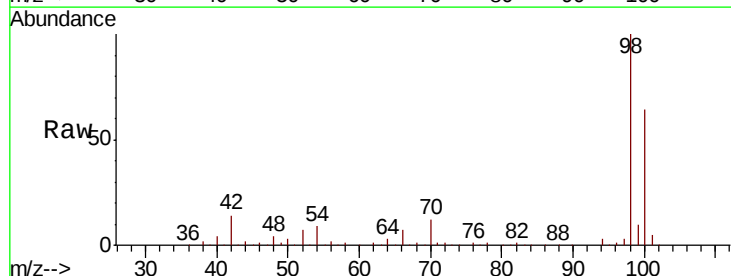


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

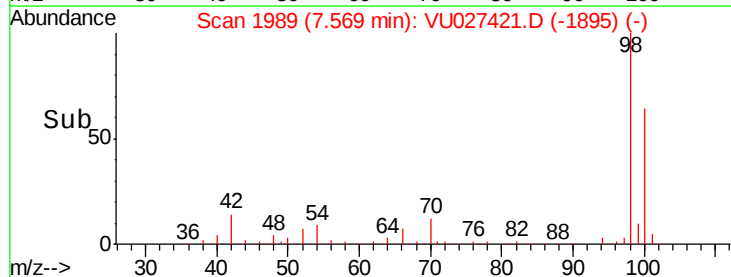
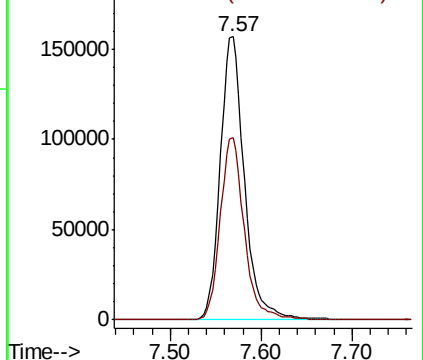


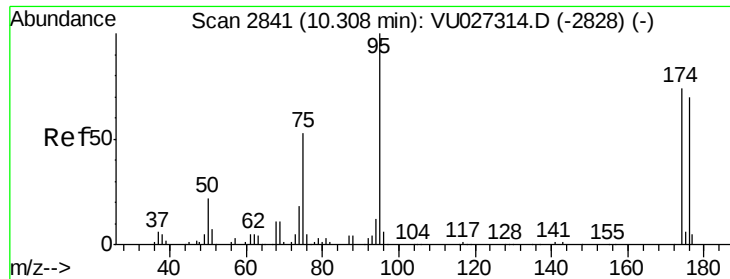
#50
Toluene-d8
Concen: 59.436 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027421.D
Acq: 04 Oct 2018 20:24

Tgt Ion: 98 Resp: 289994
Ion Ratio Lower Upper
98 100
100 64.2 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU

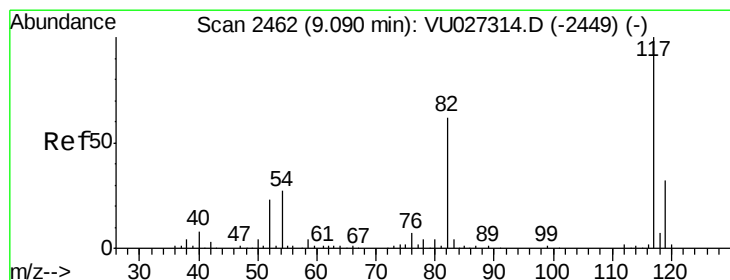
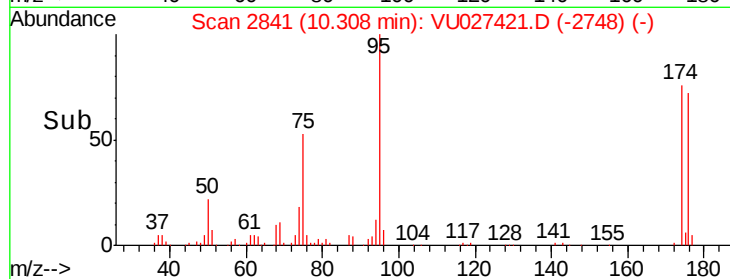
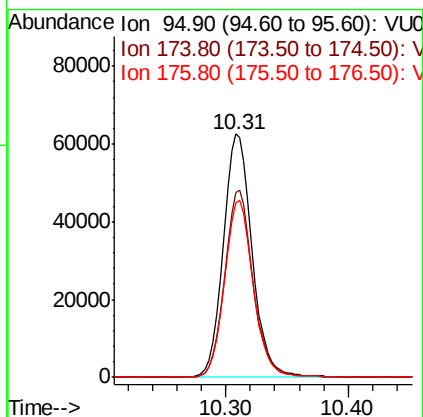
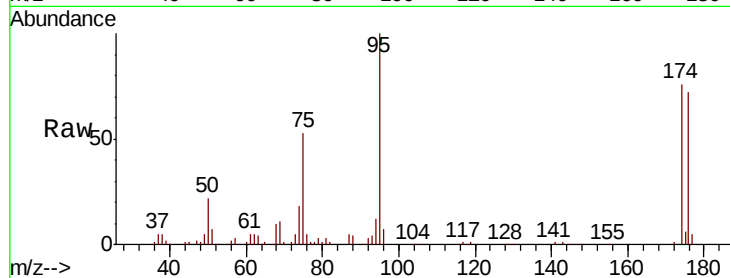




#62
 4-Bromofluorobenzene
 Concen: 57.235 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. 0.00 min
 Lab File: VU027421.D
 Acq: 04 Oct 2018 20:24

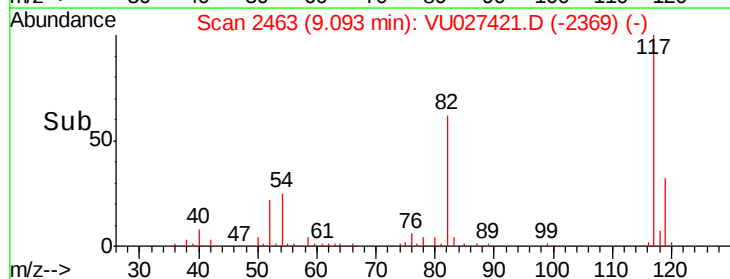
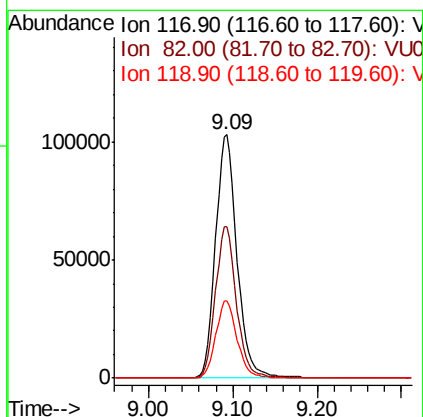
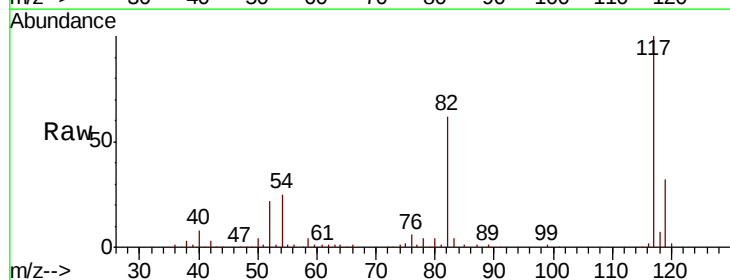
Instrument :
 MSVOA_U
 ClientSampleId :
 MW-4

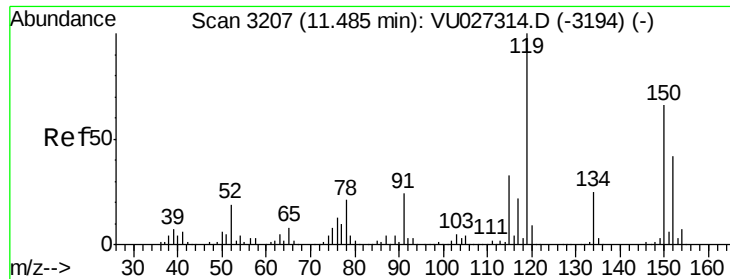
Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.8	0.0	147.8
176	72.5	0.0	140.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VU027421.D
 Acq: 04 Oct 2018 20:24

Tgt Ion	Ratio	Lower	Upper
117	100		
82	62.1	49.2	73.8
119	32.0	25.7	38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3207

Delta R.T. 0.00 min

Lab File: VU027421.D

Acq: 04 Oct 2018 20:24

Instrument :

MSVOA_U

ClientSampled :

MW-4

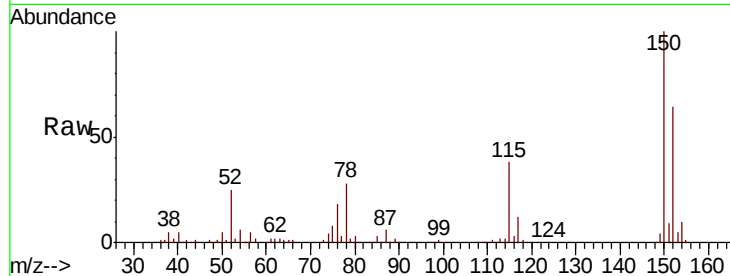
Tgt Ion: 152 Resp: 99212

Ion Ratio Lower Upper

152 100

115 60.5 43.4 130.2

150 157.6 0.0 349.2

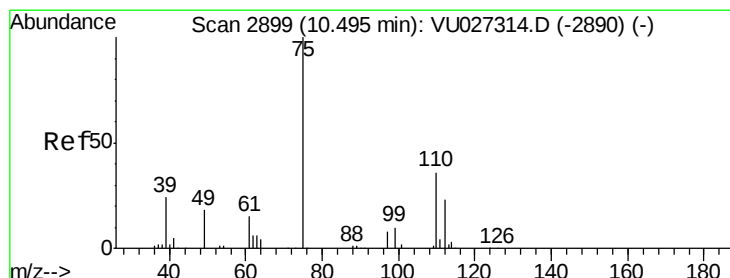
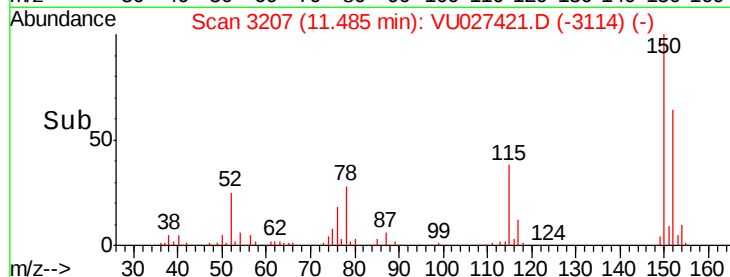
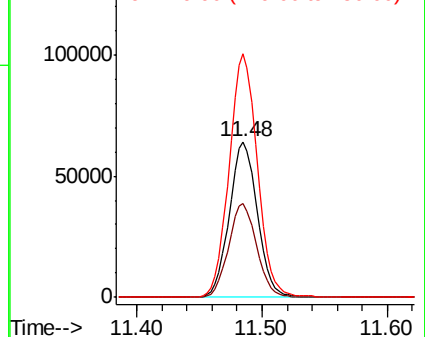


Abundance

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: 21.416 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.19 min

Lab File: VU027421.D

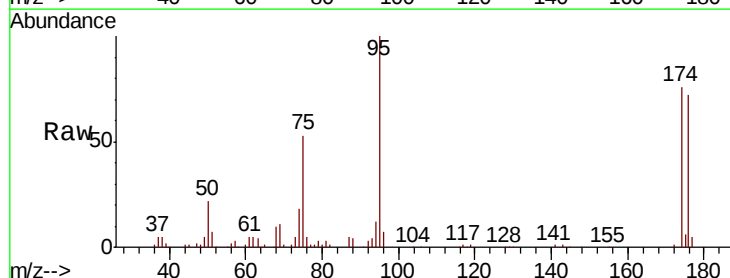
Acq: 04 Oct 2018 20:24

Tgt Ion: 75 Resp: 55079

Ion Ratio Lower Upper

75 100

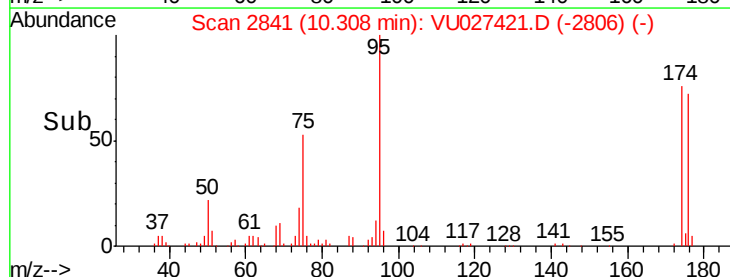
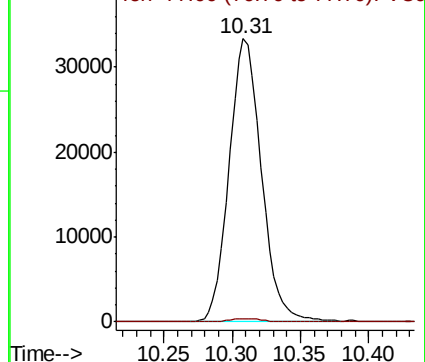
77 1.1 20.3 60.9#

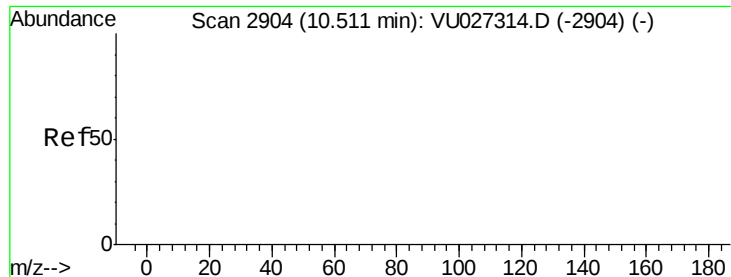


Abundance

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: 56.049 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU027421.D

Acq: 04 Oct 2018 20:24

Instrument :

MSVOA_U

ClientSampled :

MW-4

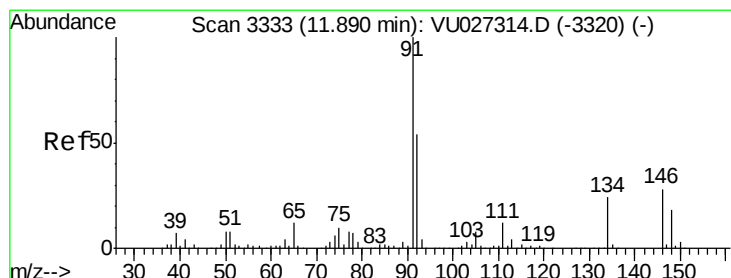
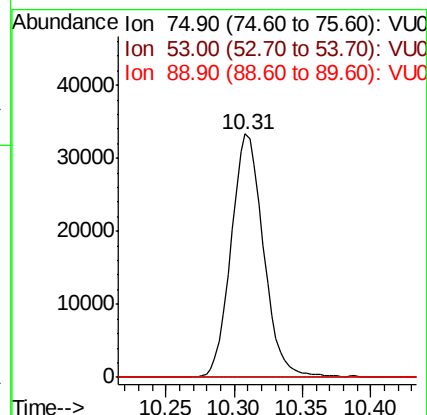
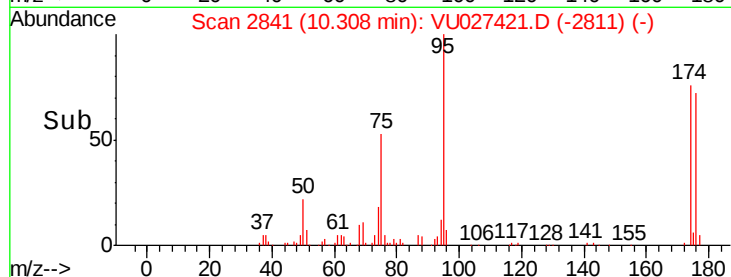
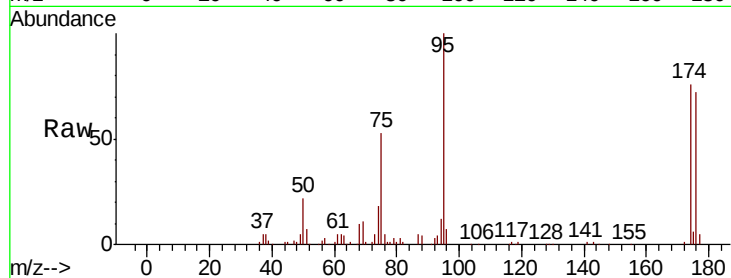
Tgt Ion: 75 Resp: 55079

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



#89

n-Butylbenzene

Concen: 1.962 ug/l

RT: 11.90 min Scan# 3335

Delta R.T. 0.01 min

Lab File: VU027421.D

Acq: 04 Oct 2018 20:24

Tgt Ion: 91 Resp: 88

Ion Ratio Lower Upper

91 100

92 0.0 27.0 81.0#

134 0.0 11.7 35.1#

