

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061418\
 Data File : VU024572.D
 Acq On : 15 Jun 2018 04:27
 Operator : MD/SY
 Sample : J3478-09
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 15 05:14:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

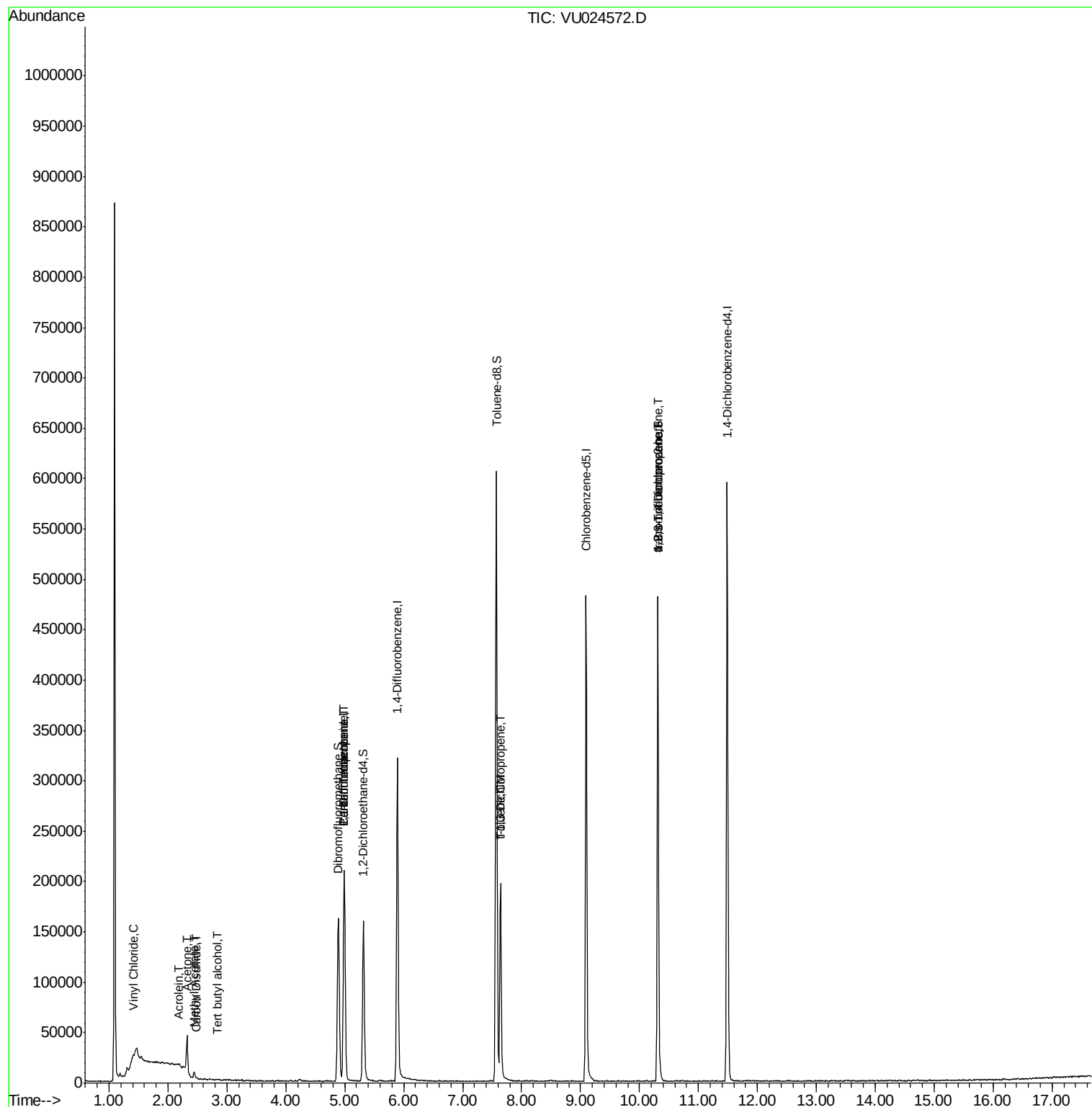
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	169735	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	281268	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	276783	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	165941	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.32	65	121715	43.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.86%	
35) Dibromofluoromethane	4.89	113	111586	47.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.60%	
50) Toluene-d8	7.57	98	420240	49.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.72%	
62) 4-Bromofluorobenzene	10.31	95	161638	47.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.62%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.41	62	1603	0.716	ug/l #	1
6) Chloroethane	1.83	64	385	Below Cal	#	43
8) Diethyl Ether	1.91	74	44	Below Cal		66
11) Tert butyl alcohol	2.83	59	151	0.224	ug/l #	1
13) Acrolein	2.19	56	213	0.602	ug/l	94
16) Acetone	2.32	43	37189	24.979	ug/l	96
17) Carbon Disulfide	2.49	76	1248	0.202	ug/l #	77
18) Methyl Acetate	2.44	43	1105	0.346	ug/l #	53
31) Cyclohexane	4.99	56	3995	Below Cal	#	11
36) 1,1-Dichloropropene	4.99	75	11411	3.453	ug/l #	51
38) Carbon Tetrachloride	4.99	117	15060	4.144	ug/l #	16
52) Toluene	7.64	92	82985	13.696	ug/l	99
53) t-1,3-Dichloropropene	7.64	75	973	0.247	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	80771	22.108	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	80771	51.168	ug/l #	100

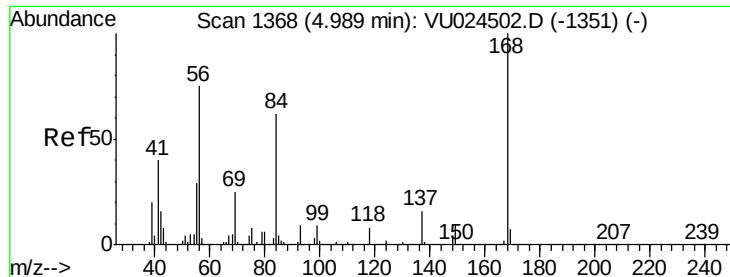
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024572.D

Acq: 15 Jun 2018 04:27

Instrument :

MSVOA_U

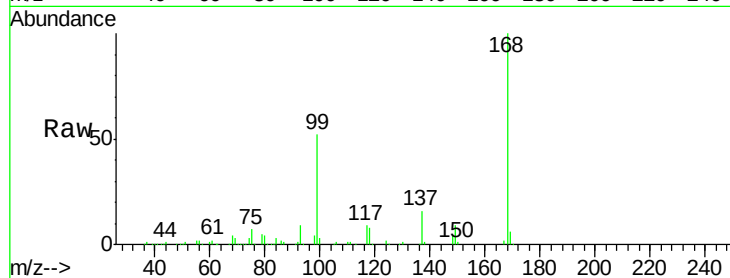
ClientSampleId :

Tot Ion:168 Resp: 169735

Ion Ratio Lower Upper

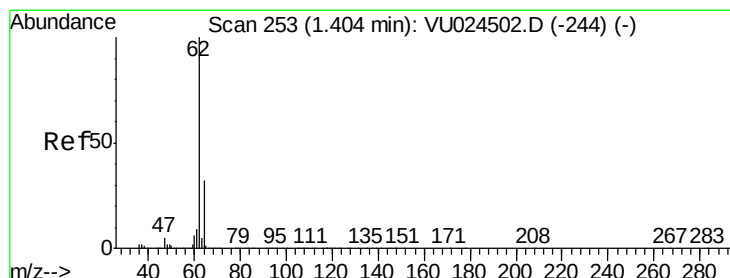
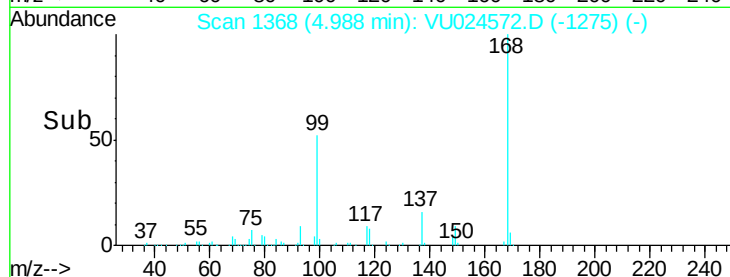
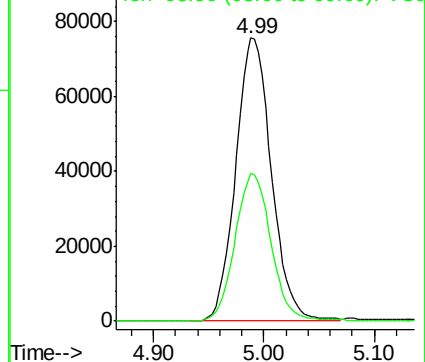
168 100

99 52.0 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#4

Vinyl Chloride

Concen: 0.716 ug/l

RT: 1.41 min Scan# 254

Delta R.T. 0.00 min

Lab File: VU024572.D

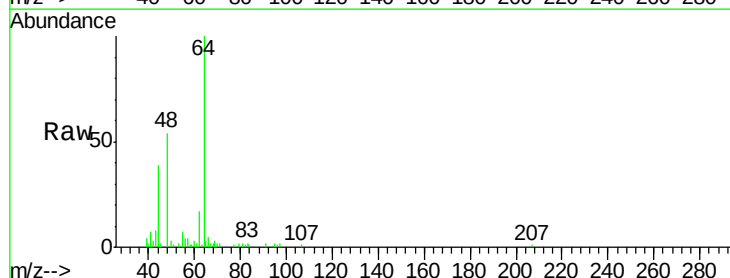
Acq: 15 Jun 2018 04:27

Tgt Ion: 62 Resp: 1603

Ion Ratio Lower Upper

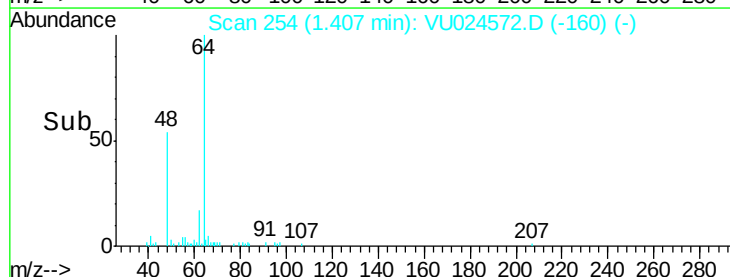
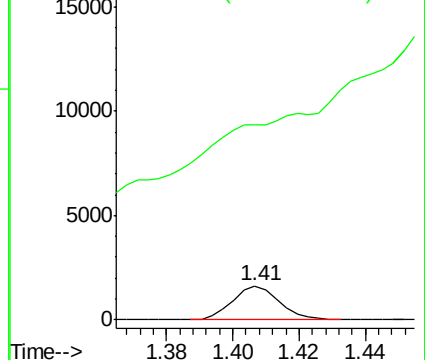
62 100

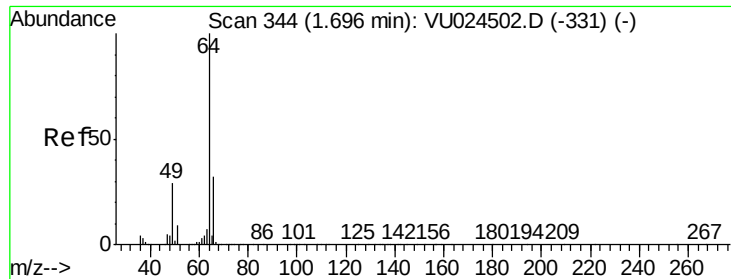
64 114.0 24.8 37.2#



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#6

Chloroethane

Concen: Below Cal

RT: 1.83 min Scan# 386

Delta R.T. 0.14 min

Lab File: VU024572.D

Acq: 15 Jun 2018 04:27

Instrument :

MSVOA_U

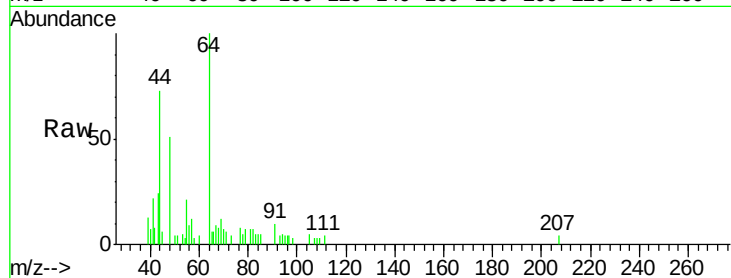
ClientSampleId :

Tot Ion: 64 Resp: 385

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0

1.83

4000

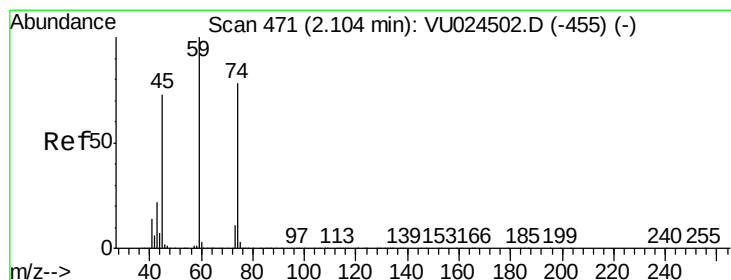
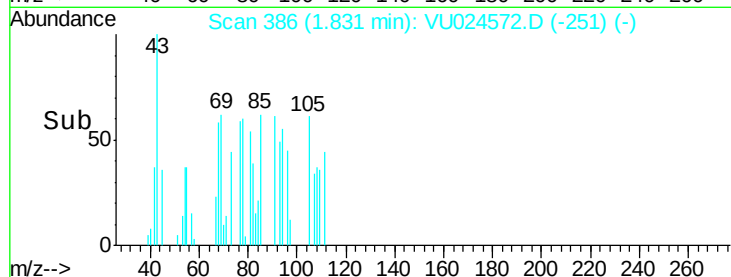
3000

2000

1000

0

Time--> 1.81 1.82 1.83 1.84 1.85



#8

Diethyl Ether

Concen: Below Cal

RT: 1.91 min Scan# 410

Delta R.T. -0.20 min

Lab File: VU024572.D

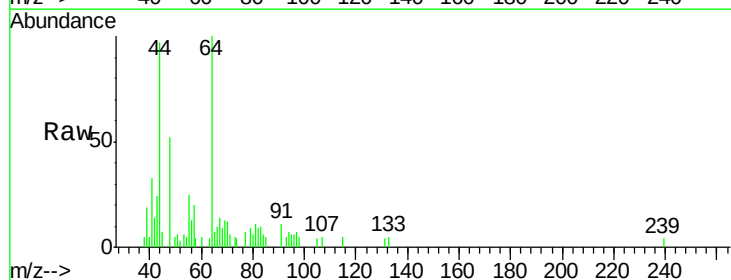
Acq: 15 Jun 2018 04:27

Tgt Ion: 74 Resp: 44

Ion Ratio Lower Upper

74 100

45 145.5 55.0 165.0



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0

300

250

200

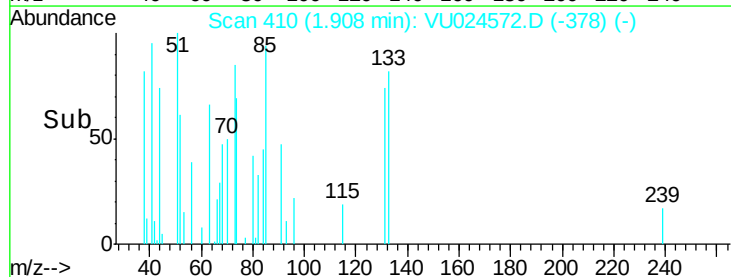
150

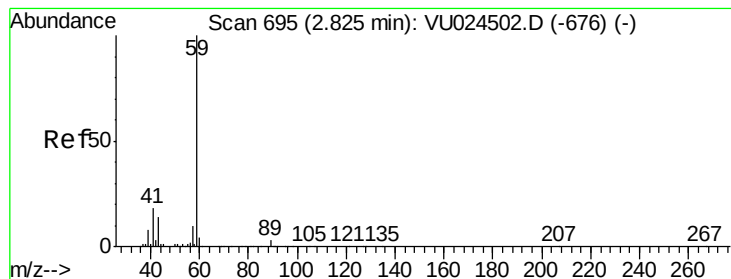
100

50

0

Time--> 1.90 1.91 1.92



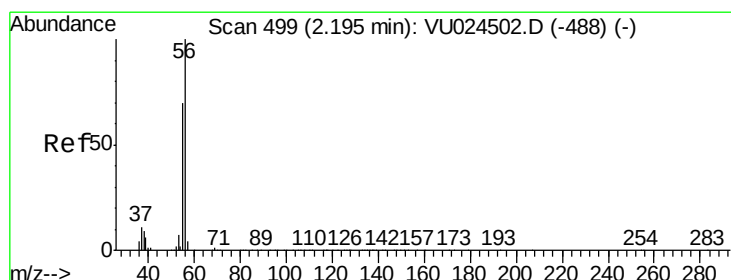
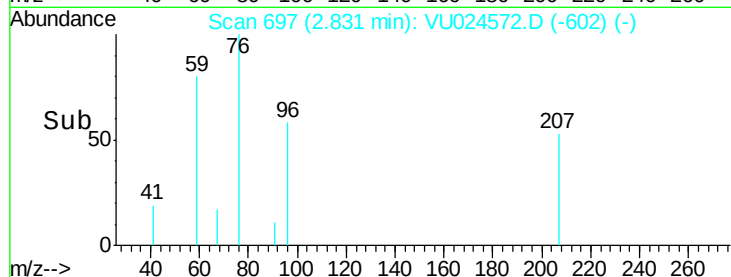
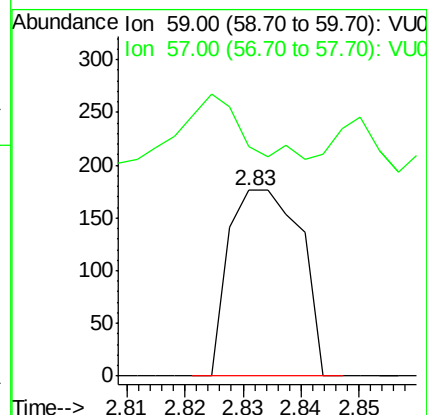
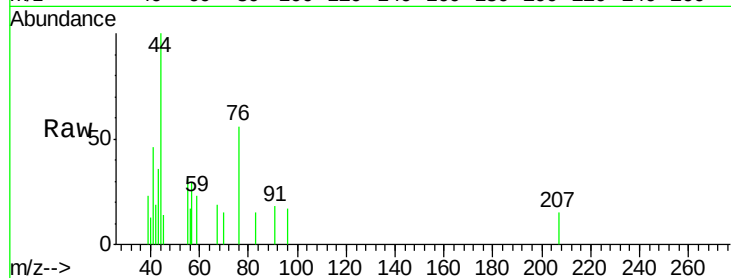


#11

Tert butyl alcohol
Concen: 0.224 ug/l
RT: 2.83 min Scan# 697
Delta R.T. 0.01 min
Lab File: VU024572.D
Acq: 15 Jun 2018 04:27

Instrument :
MSVOA_U
ClientSampleId :

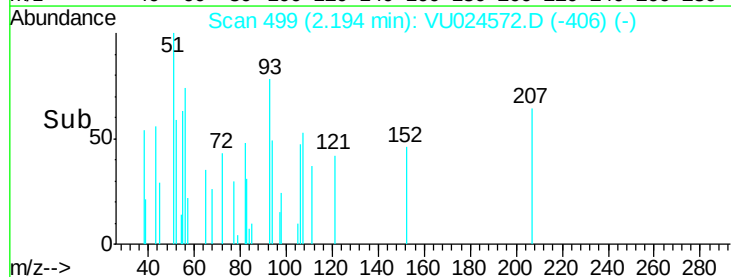
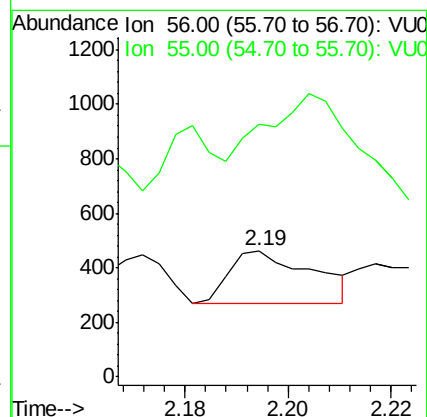
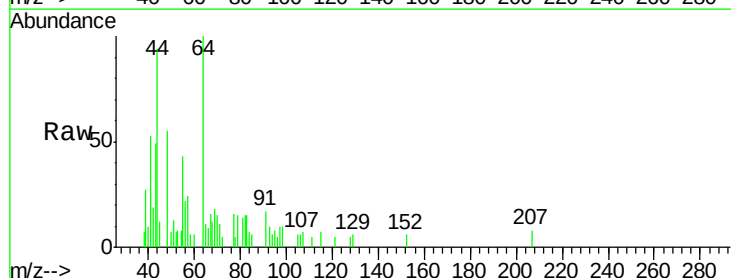
Tot Ion: 59 Resp: 151
Ion Ratio Lower Upper
59 100
57 105.3 8.5 12.7#

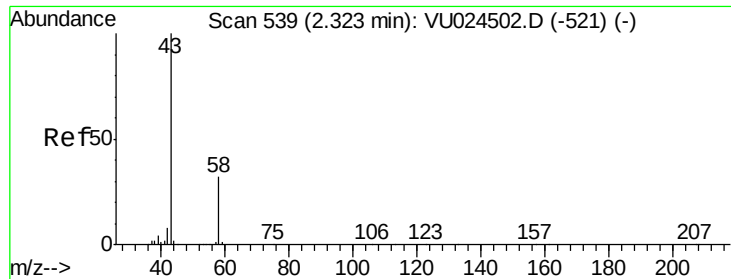


#13

Acrolein
Concen: 0.602 ug/l
RT: 2.19 min Scan# 499
Delta R.T. -0.00 min
Lab File: VU024572.D
Acq: 15 Jun 2018 04:27

Tgt Ion: 56 Resp: 213
Ion Ratio Lower Upper
56 100
55 68.1 58.4 87.6





#16

Acetone

Concen: 24.979 ug/l

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU024572.D

Acq: 15 Jun 2018 04:27

Instrument :

MSVOA_U

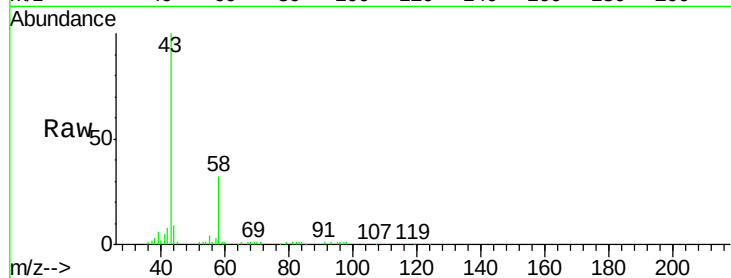
ClientSampleId :

Tot Ion: 43 Resp: 37189

Ion Ratio Lower Upper

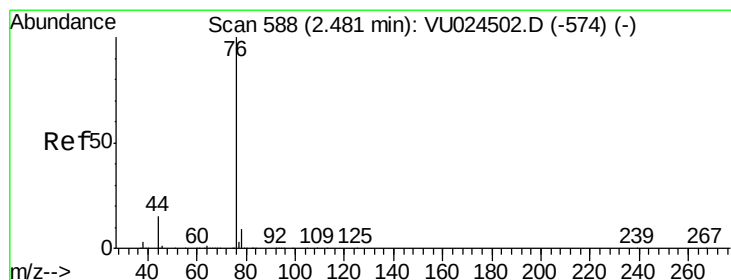
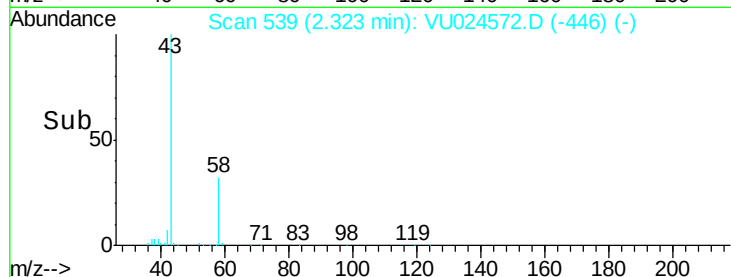
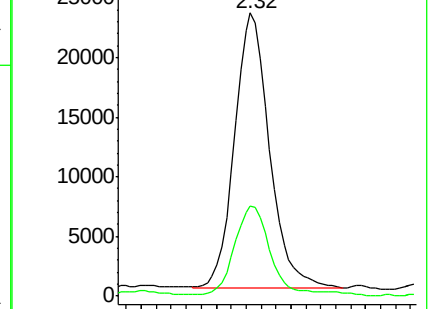
43 100

58 32.5 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU024502.D (-521) (-)

Ion 58.00 (57.70 to 58.70): VU024502.D (-521) (-)



#17

Carbon Disulfide

Concen: 0.202 ug/l

RT: 2.49 min Scan# 591

Delta R.T. 0.01 min

Lab File: VU024572.D

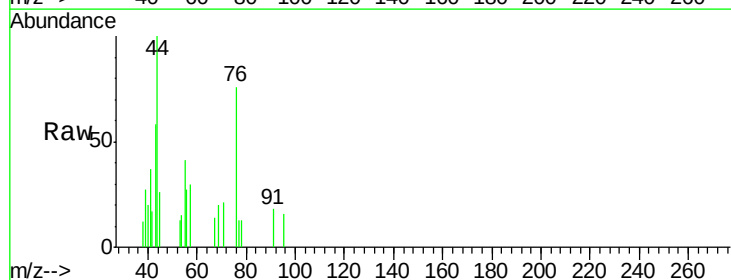
Acq: 15 Jun 2018 04:27

Tgt Ion: 76 Resp: 1248

Ion Ratio Lower Upper

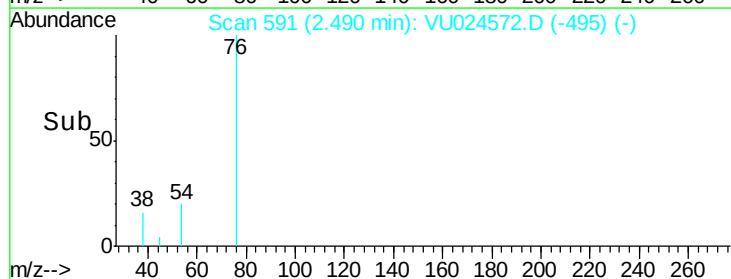
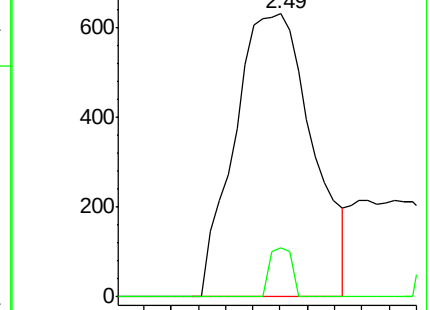
76 100

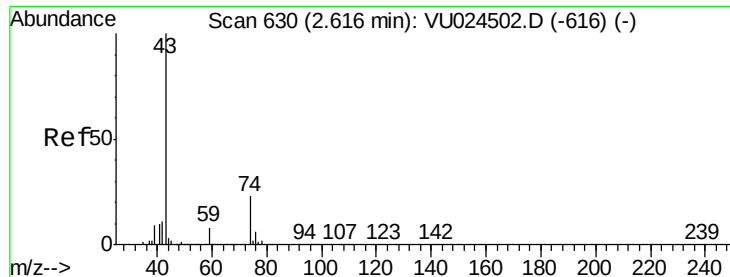
78 17.1 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VU024502.D (-574) (-)

Ion 77.90 (77.60 to 78.60): VU024502.D (-574) (-)

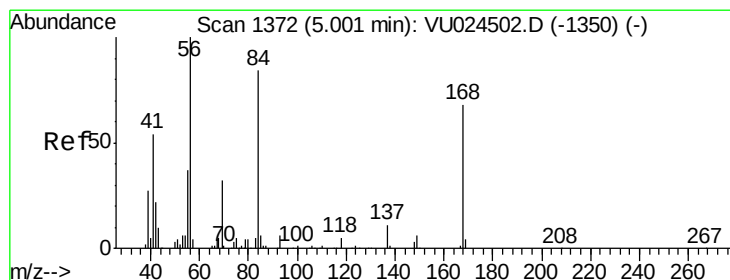
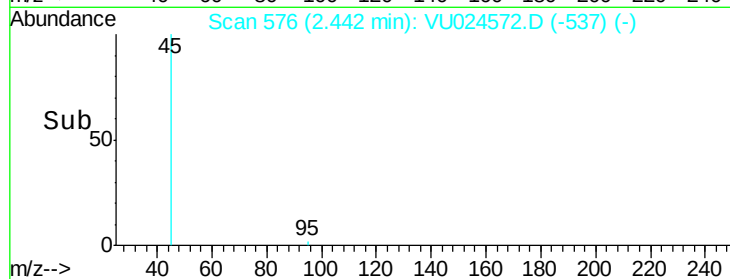
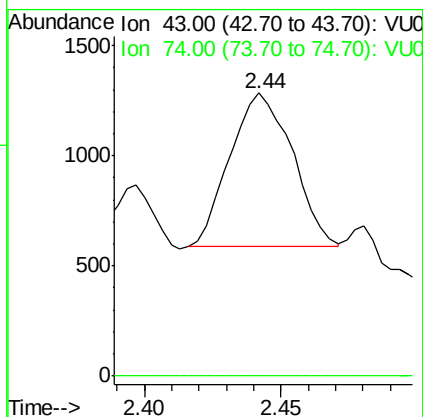
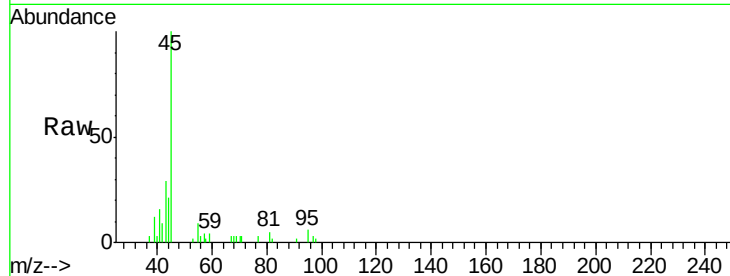




#18
Methvl Acetate
Concen: 0.346 ug/l
RT: 2.44 min Scan# 576
Delta R.T. -0.17 min
Lab File: VU024572.D
Acq: 15 Jun 2018 04:27

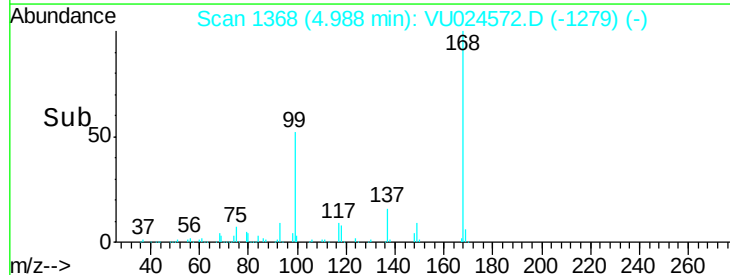
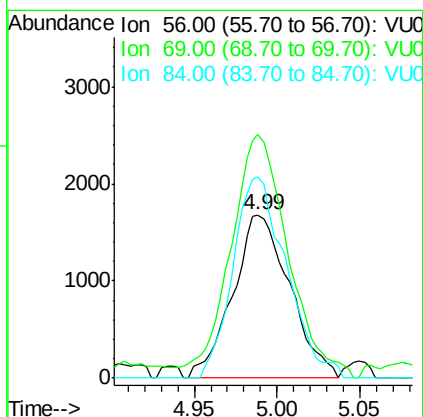
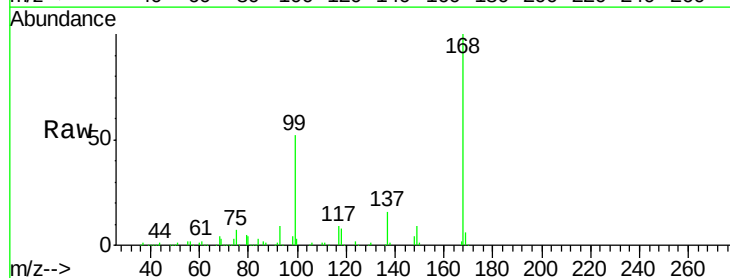
Instrument :
MSVOA_U
ClientSampled :

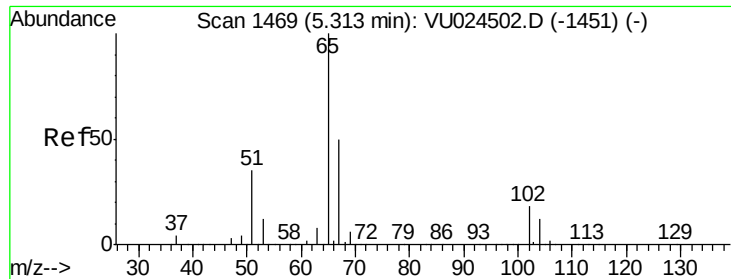
Tot Ion: 43 Resp: 1105
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VU024572.D
Acq: 15 Jun 2018 04:27

Tgt Ion: 56 Resp: 3995
Ion Ratio Lower Upper
56 100
69 140.4 24.8 37.2#
84 123.0 65.2 97.8#

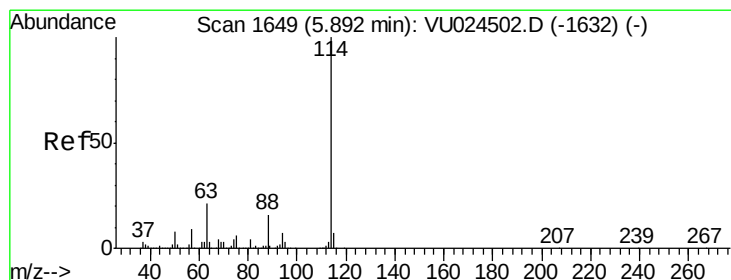
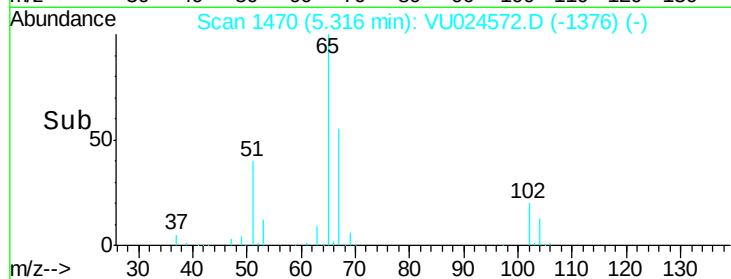
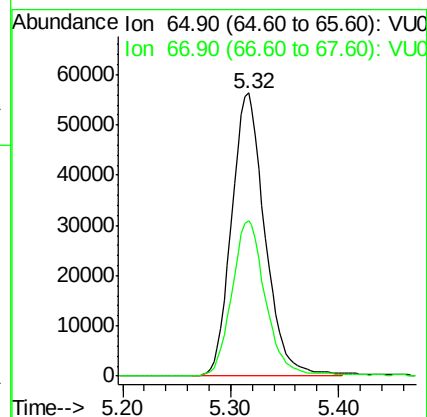
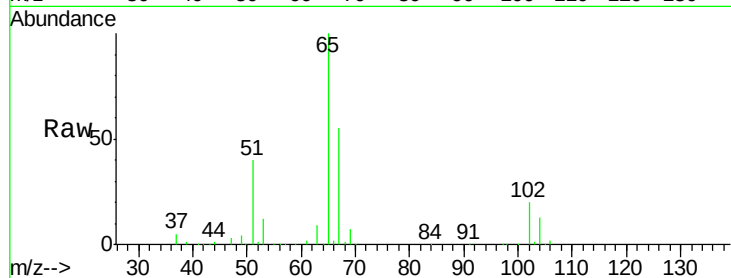




#33
 1,2-Dichloroethane-d4
 Concen: 43.925 ug/l
 RT: 5.32 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VU024572.D
 Acq: 15 Jun 2018 04:27

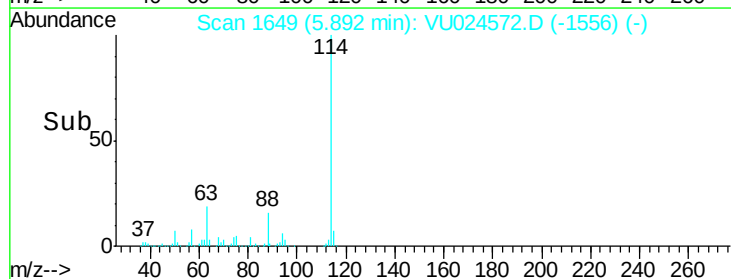
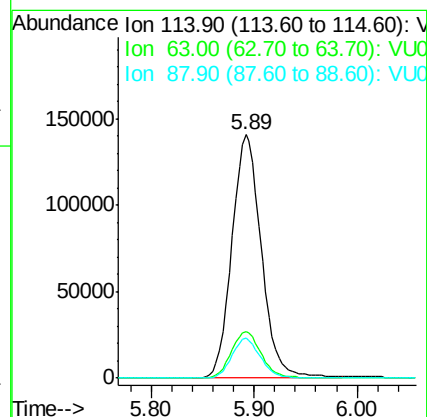
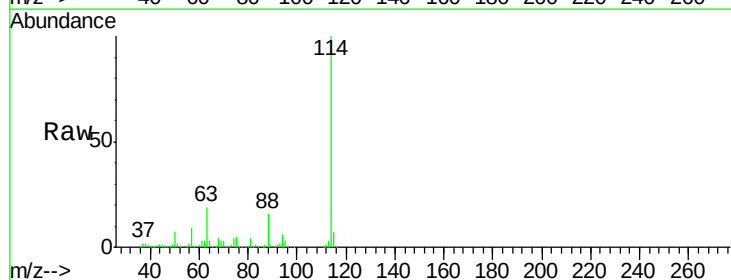
Instrument :
 MSVOA_U
 ClientSampled :

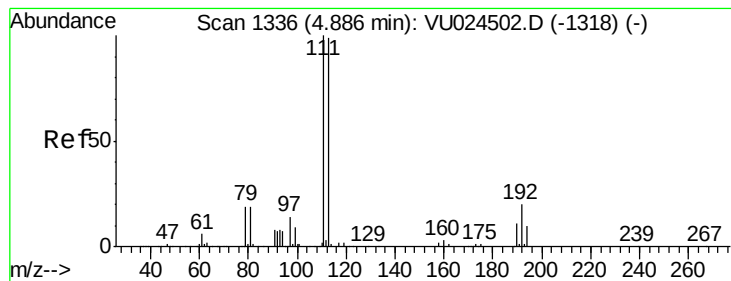
Tot Ion: 65 Resp: 121715
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU024572.D
 Acq: 15 Jun 2018 04:27

Tgt Ion: 114 Resp: 281268
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 45.4
 88 16.3 0.0 31.0





#35

Dibromofluoromethane

Concen: 47.803 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024572.D

Acq: 15 Jun 2018 04:27

Instrument :

MSVOA_U

ClientSampleId :

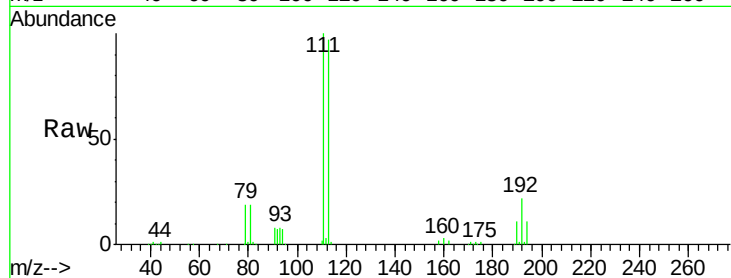
Tot Ion:113 Resp: 111586

Ion Ratio Lower Upper

113 100

111 102.0 82.2 123.4

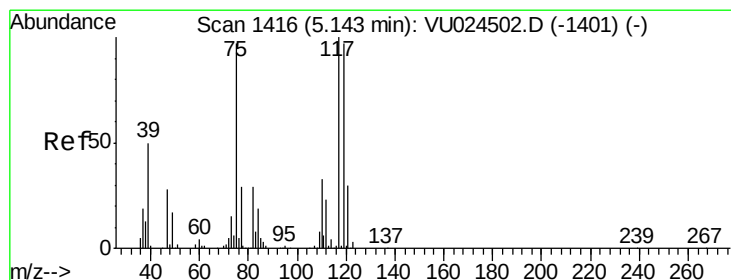
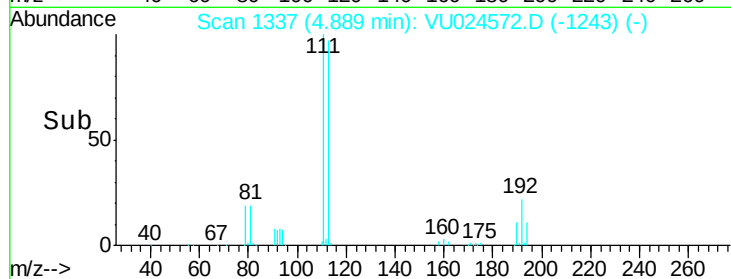
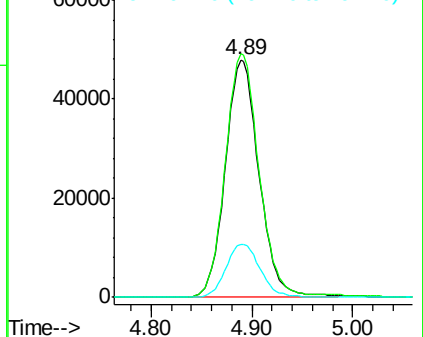
192 22.8 16.2 24.4



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: 3.453 ug/l

RT: 4.99 min Scan# 1369

Delta R.T. -0.15 min

Lab File: VU024572.D

Acq: 15 Jun 2018 04:27

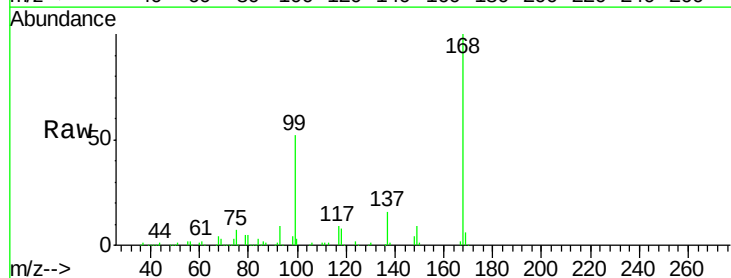
Tgt Ion: 75 Resp: 11411

Ion Ratio Lower Upper

75 100

110 9.3 17.0 50.9#

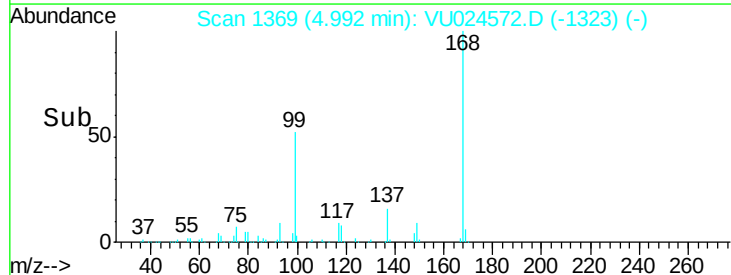
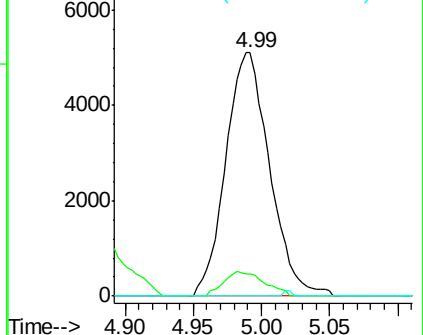
77 0.0 24.2 36.4#

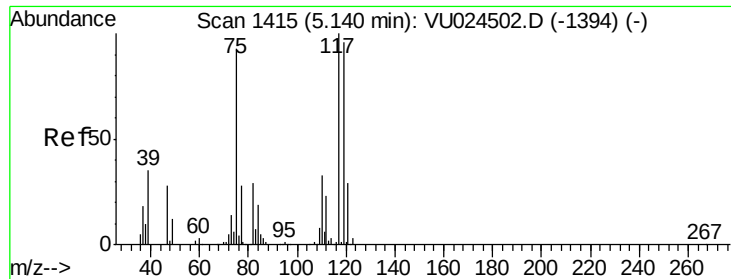


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 4.144 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024572.D

Acq: 15 Jun 2018 04:27

Instrument :

MSVOA_U

ClientSampleId :

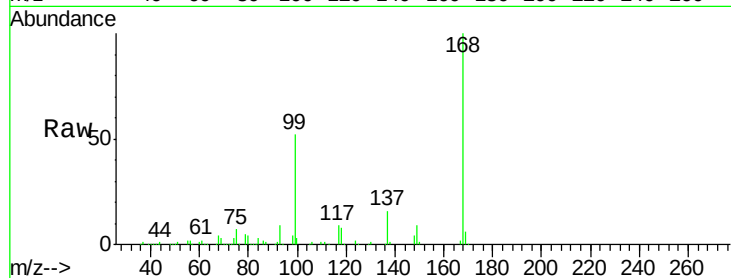
Tot Ion:117 Resp: 15060

Ion Ratio Lower Upper

117 100

119 4.4 76.1 114.1#

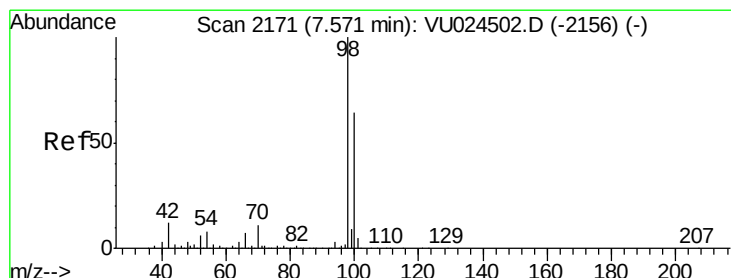
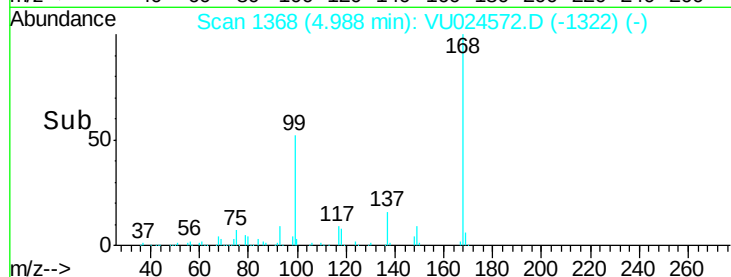
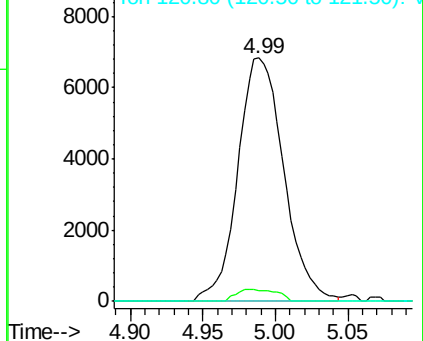
121 0.0 23.7 35.5#



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: 49.355 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VU024572.D

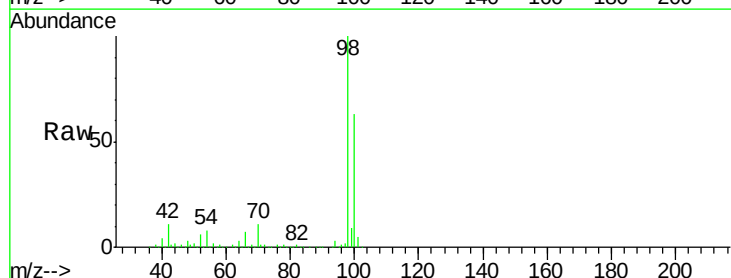
Acq: 15 Jun 2018 04:27

Tgt Ion: 98 Resp: 420240

Ion Ratio Lower Upper

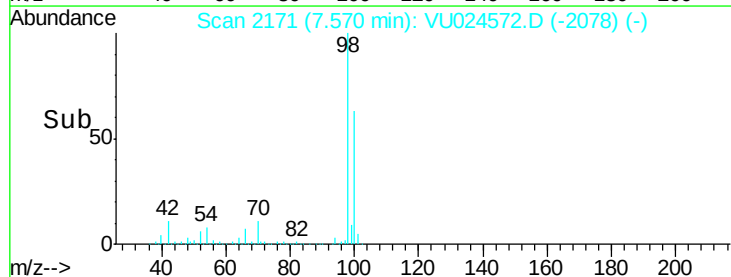
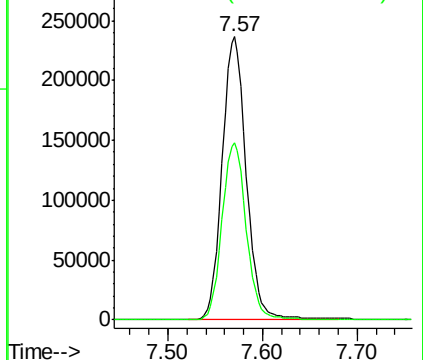
98 100

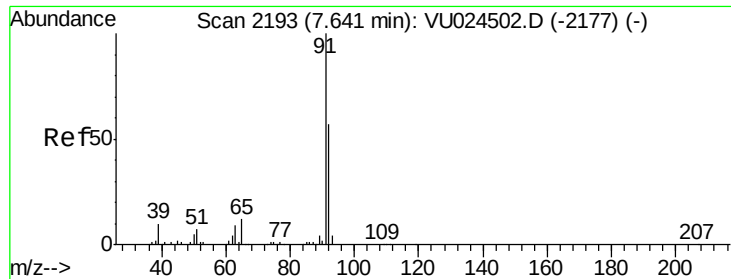
100 62.5 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#52

Toluene

Concen: 13.696 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU024572.D

Acq: 15 Jun 2018 04:27

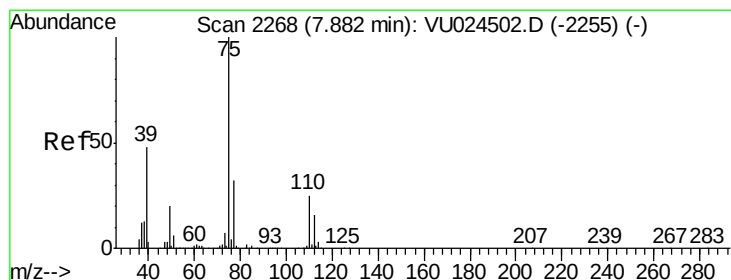
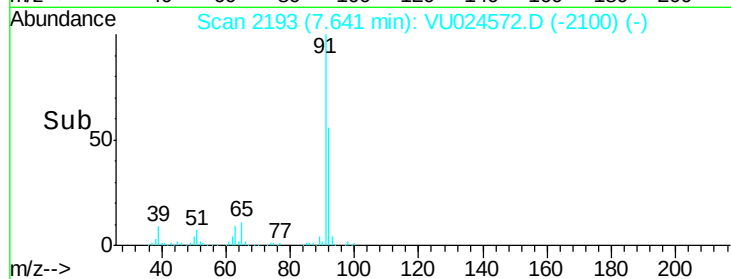
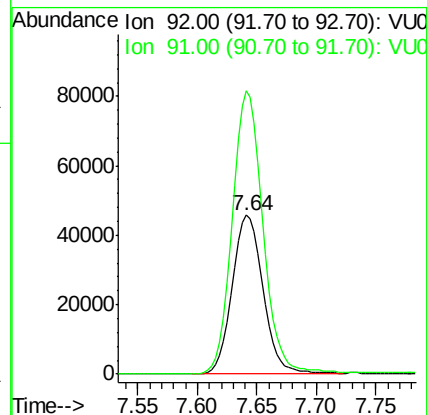
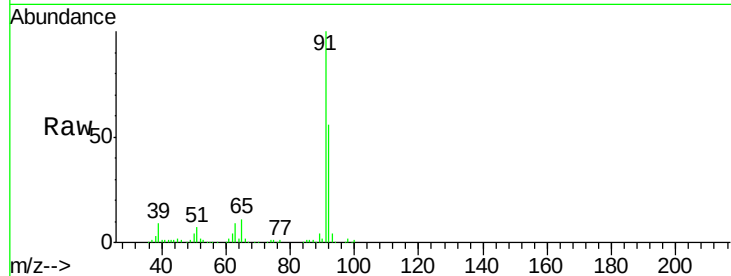
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 92 Resp: 82985

Ion Ratio Lower Upper

92 100

91 177.5 140.5 210.7



#53

t-1,3-Dichloropropene

Concen: 0.247 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. -0.24 min

Lab File: VU024572.D

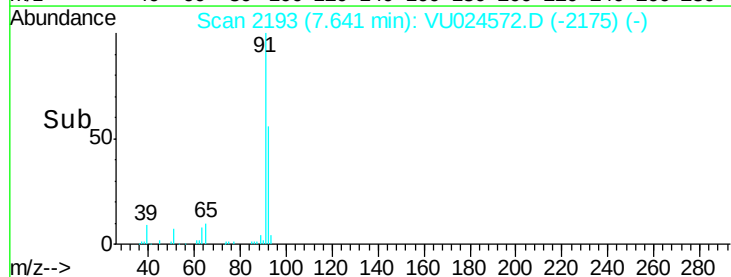
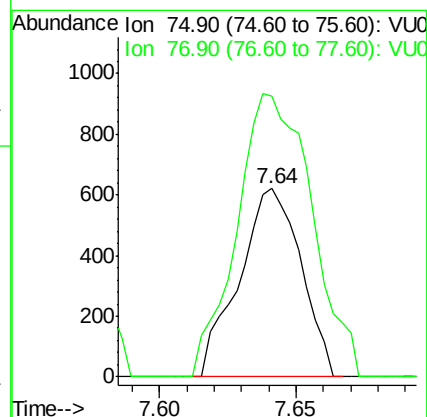
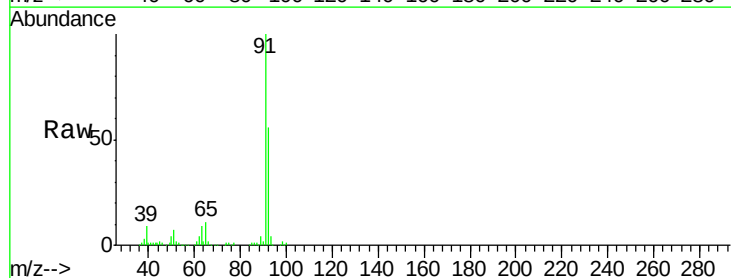
Acq: 15 Jun 2018 04:27

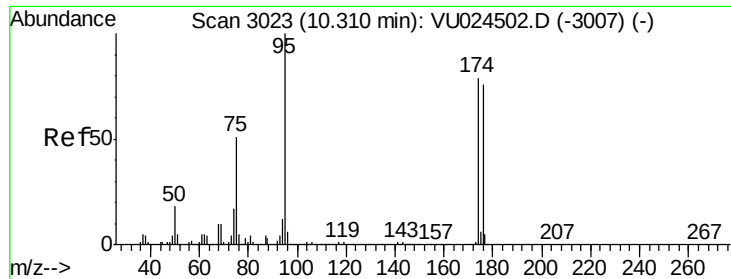
Tgt Ion: 75 Resp: 973

Ion Ratio Lower Upper

75 100

77 149.5 24.8 37.2#

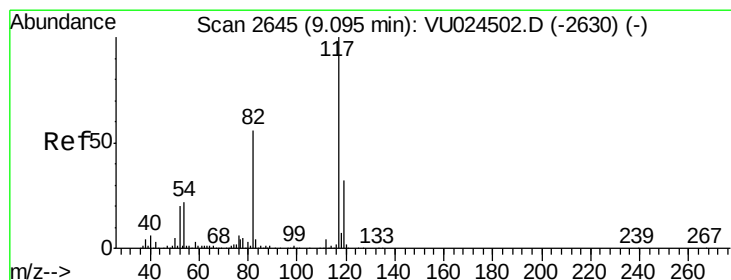
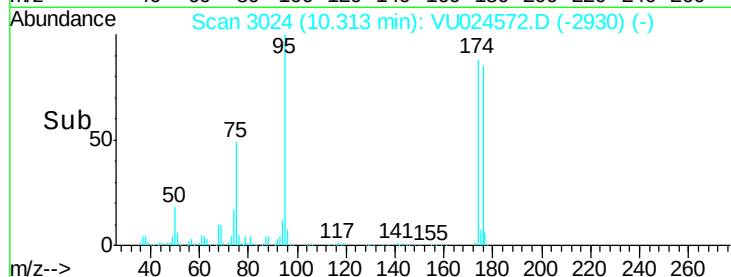
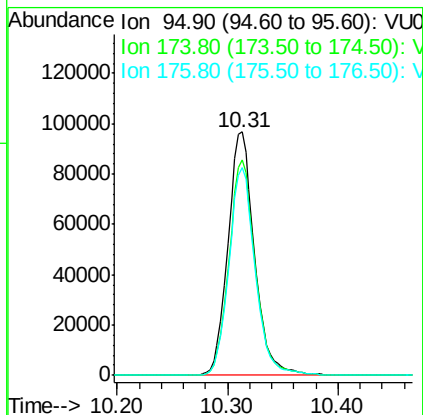
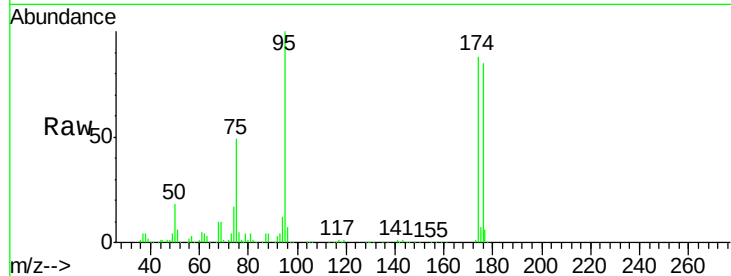




#62
4-Bromofluorobenzene
Concen: 47.813 ug/l
RT: 10.31 min Scan# 3024
Delta R.T. 0.00 min
Lab File: VU024572.D
Acq: 15 Jun 2018 04:27

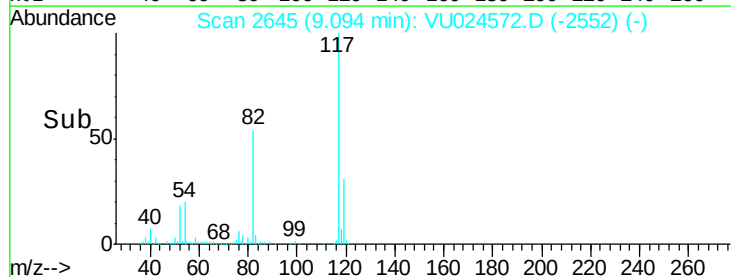
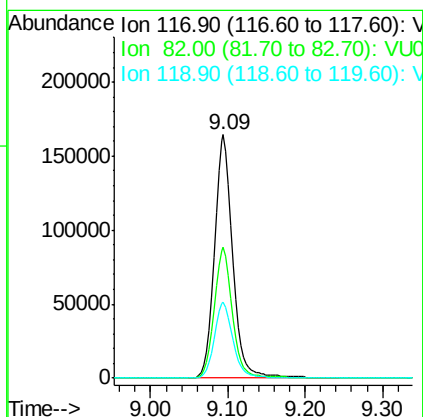
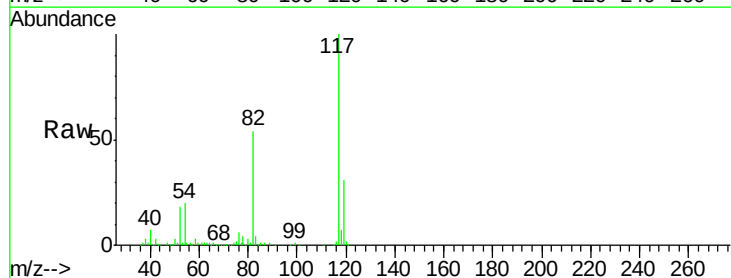
Instrument :
MSVOA_U
ClientSampleId :

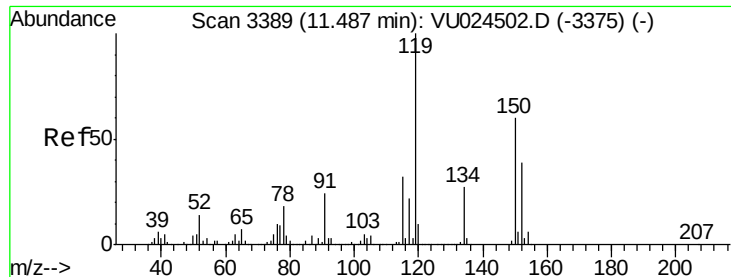
Tot Ion: 95 Resp: 161638
Ion Ratio Lower Upper
95 100
174 87.6 0.0 165.8
176 84.4 0.0 159.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU024572.D
Acq: 15 Jun 2018 04:27

Tgt Ion: 117 Resp: 276783
Ion Ratio Lower Upper
117 100
82 53.7 44.3 66.5
119 31.2 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VU024572.D

Acq: 15 Jun 2018 04:27

Instrument :

MSVOA_U

ClientSampleId :

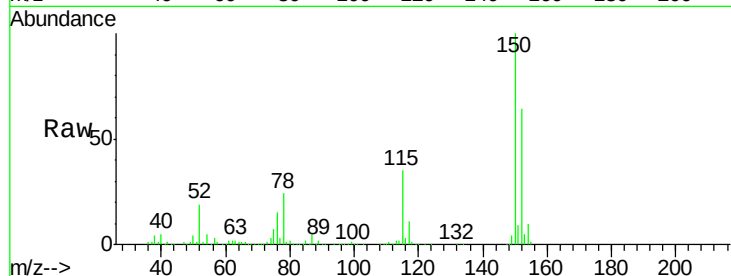
Tot Ion:152 Resp: 165941

Ion Ratio Lower Upper

152 100

115 54.8 43.0 129.0

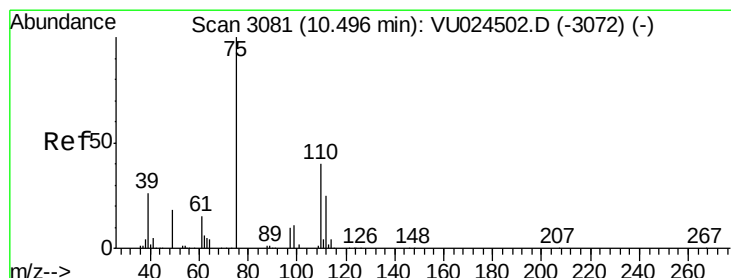
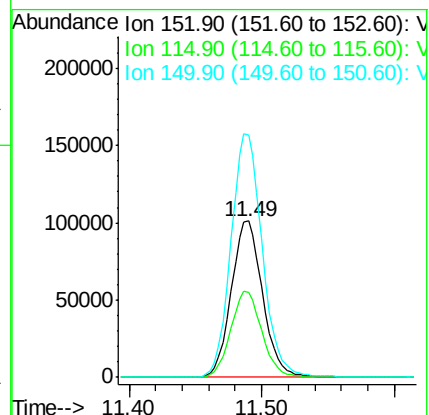
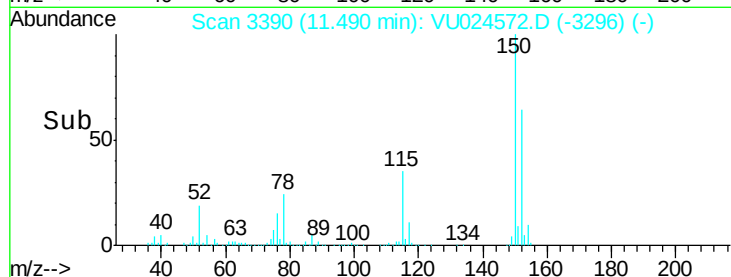
150 156.0 0.0 354.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 22.108 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024572.D

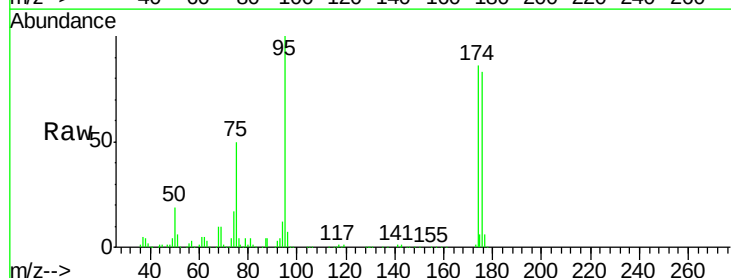
Acq: 15 Jun 2018 04:27

Tgt Ion: 75 Resp: 80771

Ion Ratio Lower Upper

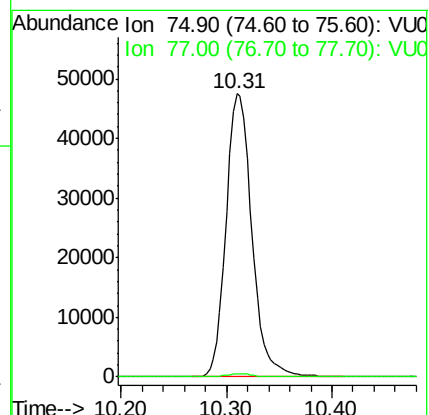
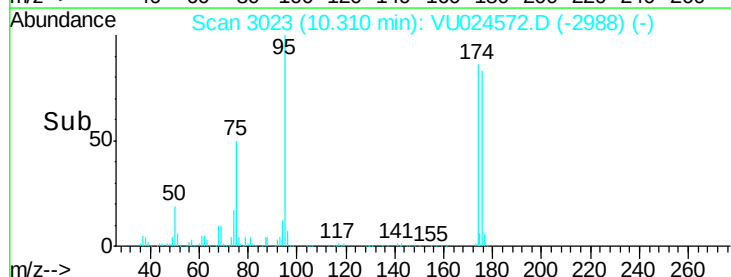
75 100

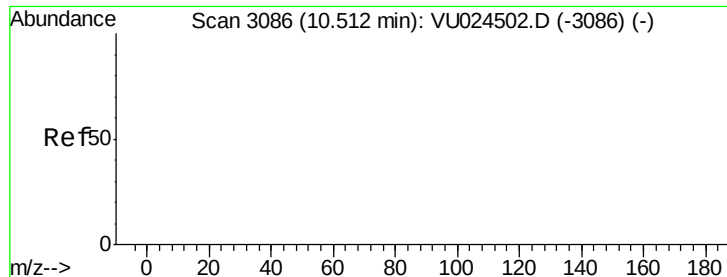
77 1.1 20.9 62.7#



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: 51.168 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.20 min
 Lab File: VU024572.D
 Acq: 15 Jun 2018 04:27

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 80771
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0

