

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071118\
 Data File : VU025320.D
 Acq On : 11 Jul 2018 17:29
 Operator : MD/SY
 Sample : J3921-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 KY038PS033-180709

Quant Time: Jul 12 03:13:02 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 09:34:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	197462	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	297417	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	274825	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	139754	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	148239	48.32	ug/l	0.00
Spiked Amount			Recovery	=	96.64%	
35) Dibromofluoromethane	4.89	113	114051	45.46	ug/l	0.00
Spiked Amount			Recovery	=	90.92%	
50) Toluene-d8	7.57	98	425500	49.52	ug/l	0.00
Spiked Amount			Recovery	=	99.04%	
62) 4-Bromofluorobenzene	10.31	95	152716	44.15	ug/l	0.00
Spiked Amount			Recovery	=	88.30%	

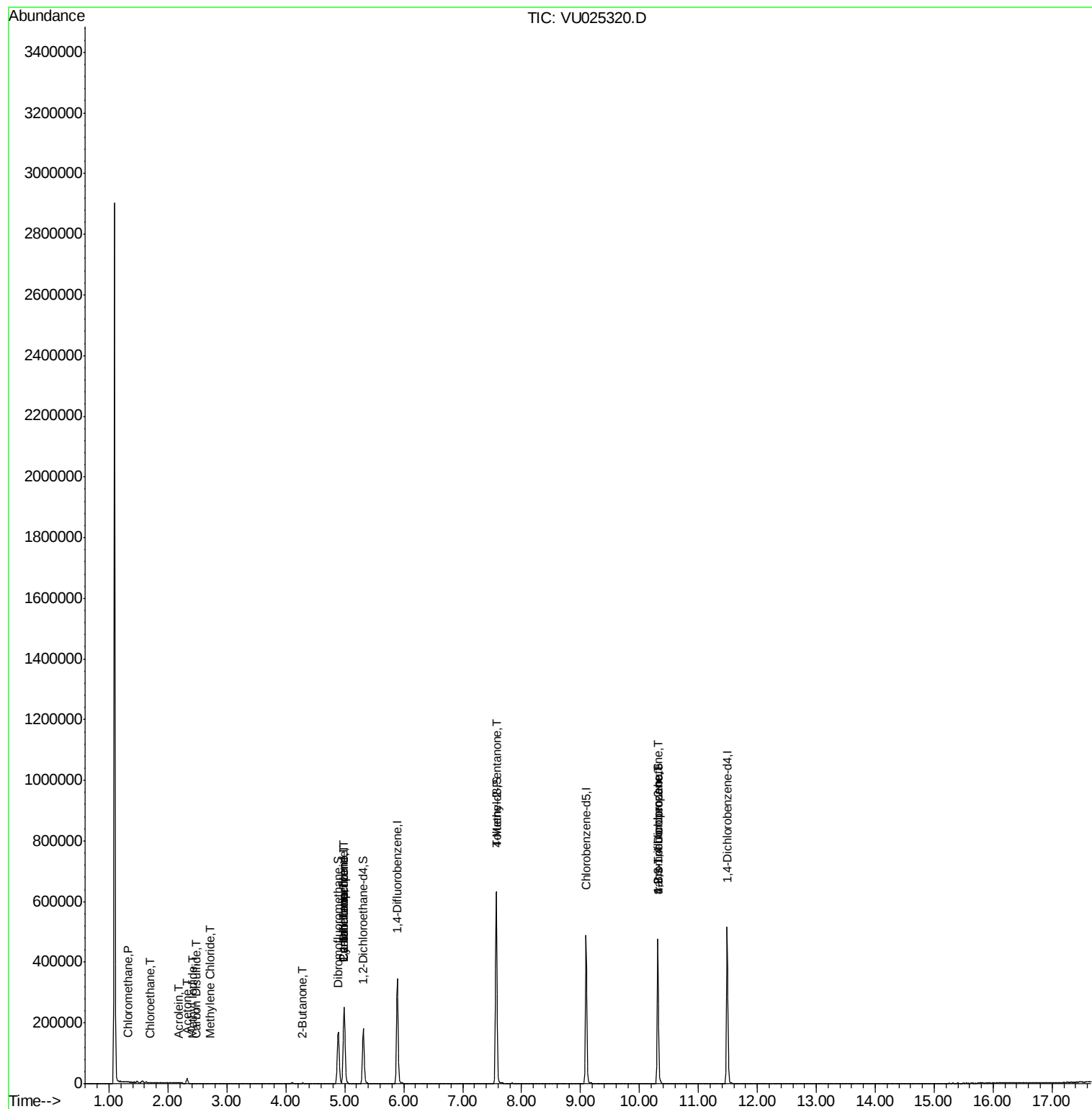
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	496	0.80	ug/l	96
5) Bromomethane	1.63	94	401	Below Cal	#	71
6) Chloroethane	1.70	64	43	0.32	ug/l	43
10) Methyl Iodide	2.41	142	94	7.74	ug/l	39
13) Acrolein	2.19	56	201	0.45	ug/l	75
16) Acetone	2.32	43	18671	16.56	ug/l	98
17) Carbon Disulfide	2.48	76	245	1.97	ug/l	74
20) Methylene Chloride	2.71	84	234	0.79	ug/l	55
25) 2-Butanone	4.28	43	3175	1.49	ug/l	86
31) Cyclohexane	4.99	56	3711	1.69	ug/l	4
36) 1,1-Dichloropropene	4.99	75	13818	4.18	ug/l	46
38) Carbon Tetrachloride	4.99	117	18942	5.32	ug/l	17
51) 4-Methyl-2-Pentanone	7.57	43	1986	0.52	ug/l	1
76) 1,2,3-Trichloropropane	10.31	75	80585	28.32	ug/l	36
81) trans-1,4-Dichloro-2-buten	10.31	75	80585	72.38	ug/l	100

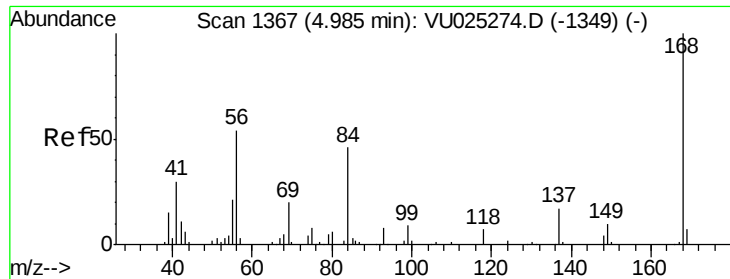
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU025320.D

Acq: 11 Jul 2018 17:29

Instrument :

MSVOA_U

ClientSampleId :

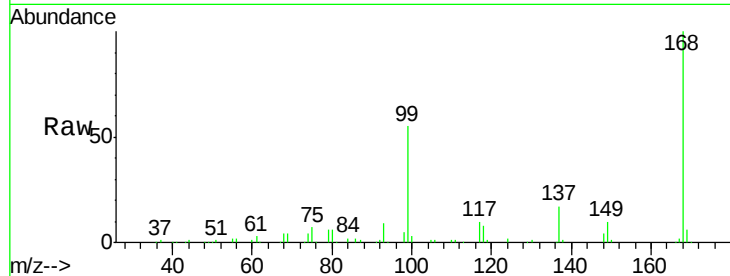
KY038PS033-180709

Tot Ion:168 Resp: 197462

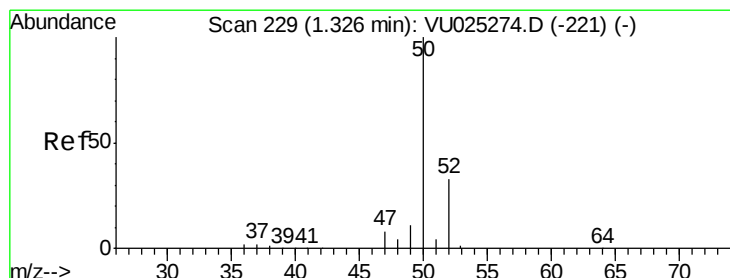
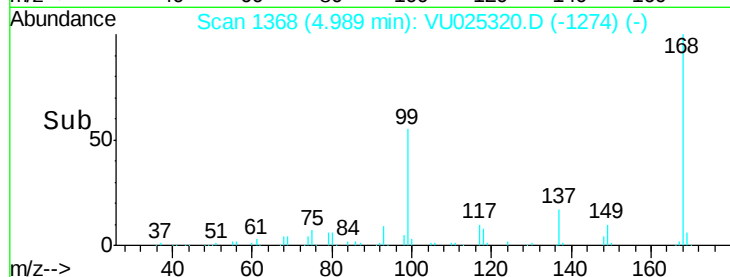
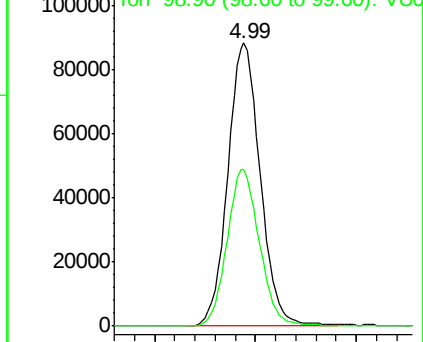
Ion Ratio Lower Upper

168 100

99 55.5 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): VU025320.D (-1274) (-)



#3

Chloromethane

Concen: 0.80 ug/l

RT: 1.33 min Scan# 229

Delta R.T. 0.00 min

Lab File: VU025320.D

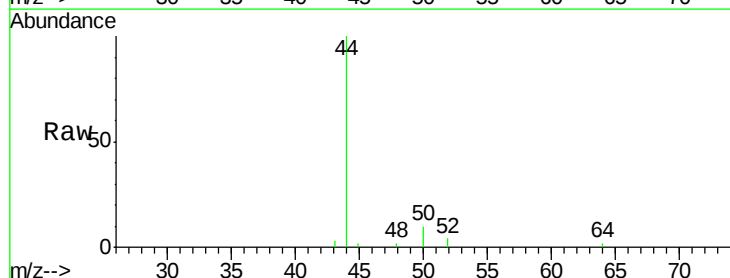
Acq: 11 Jul 2018 17:29

Tgt Ion: 50 Resp: 496

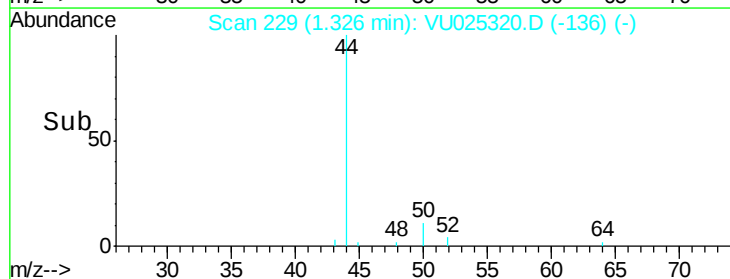
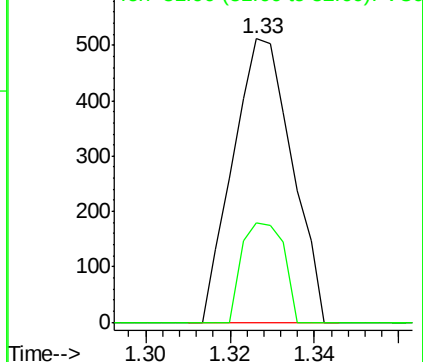
Ion Ratio Lower Upper

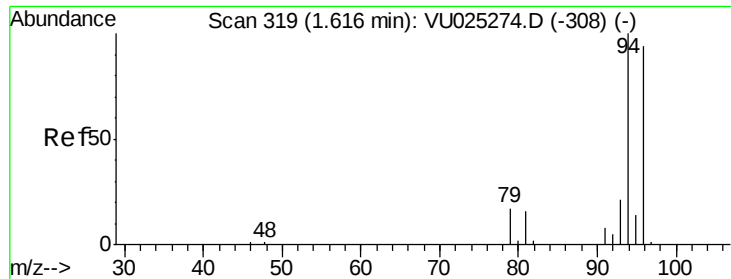
50 100

52 35.2 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VU025320.D (-136) (-)

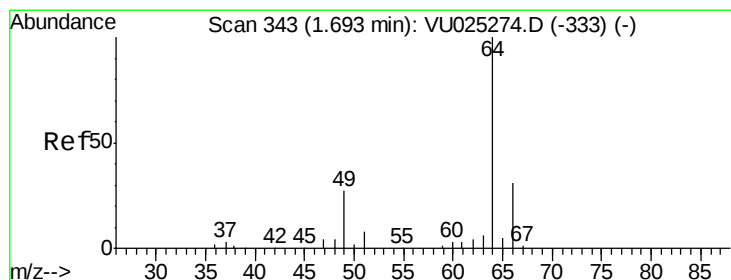
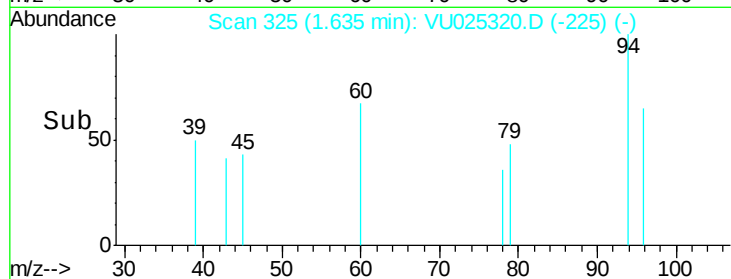
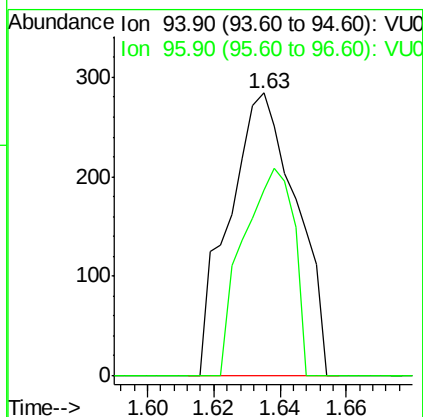
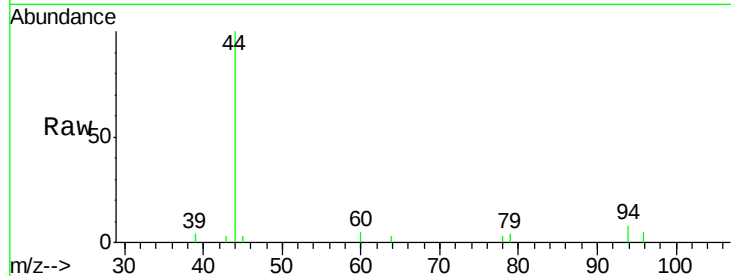




#5
Bromomethane
Concen: Below Cal
RT: 1.63 min Scan# 325
Delta R.T. 0.02 min
Lab File: VU025320.D
Acq: 11 Jul 2018 17:29

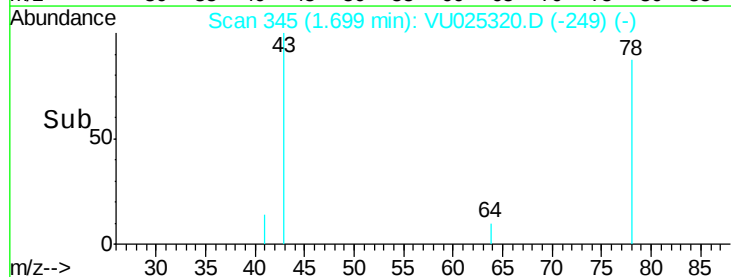
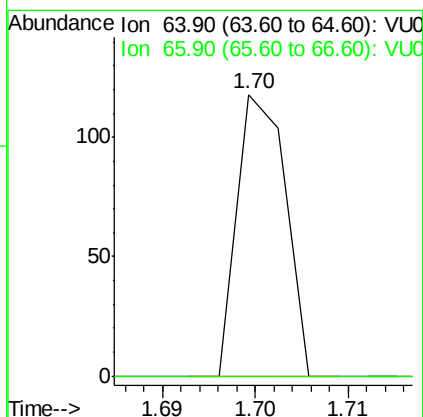
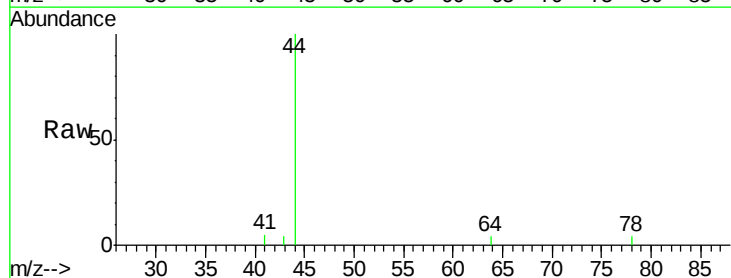
Instrument :
MSVOA_U
ClientSampleId :
KY038PS033-180709

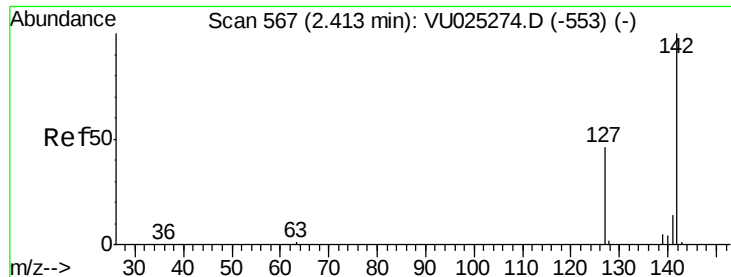
Tot Ion: 94 Resp: 401
Ion Ratio Lower Upper
94 100
96 65.5 75.0 112.4#



#6
Chloroethane
Concen: 0.32 ug/l
RT: 1.70 min Scan# 345
Delta R.T. 0.01 min
Lab File: VU025320.D
Acq: 11 Jul 2018 17:29

Tgt Ion: 64 Resp: 43
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#

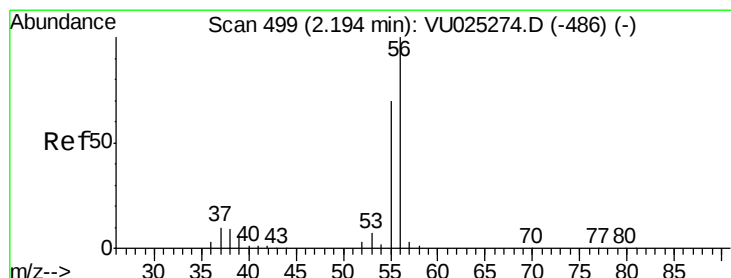
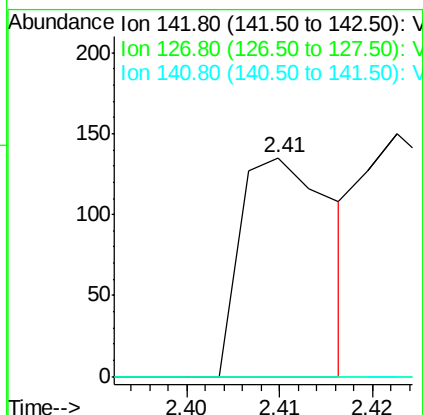
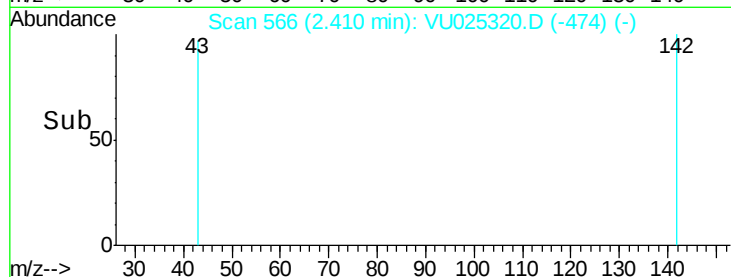
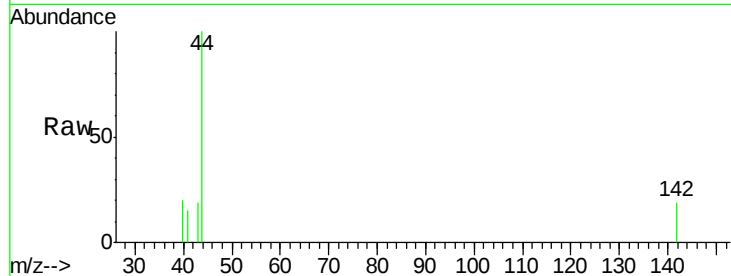




#10
Methvl Iodide
Concen: 7.74 ug/l
RT: 2.41 min Scan# 566
Delta R.T. -0.00 min
Lab File: VU025320.D
Acq: 11 Jul 2018 17:29

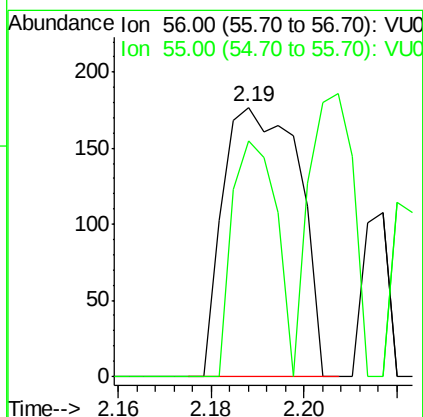
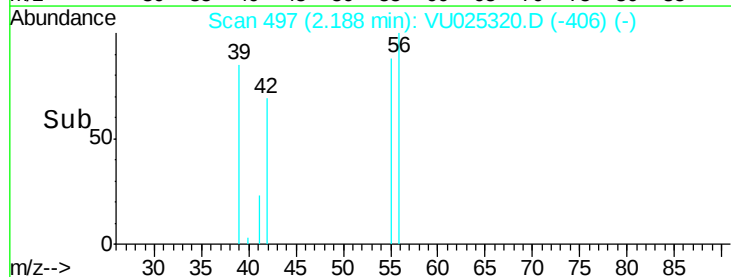
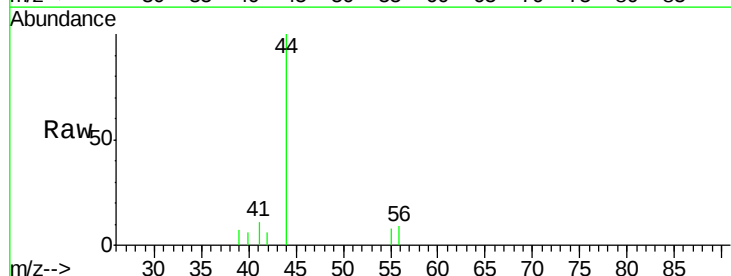
Instrument :
MSVOA_U
ClientSampleId :
KY038PS033-180709

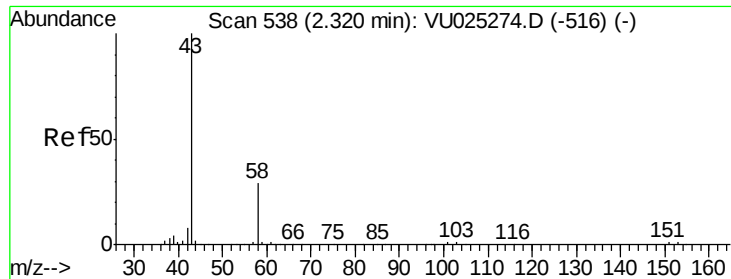
Tot Ion:142 Resp: 94
Ion Ratio Lower Upper
142 100
127 0.0 36.5 54.7#
141 0.0 11.4 17.2#



#13
Acrolein
Concen: 0.45 ug/l
RT: 2.19 min Scan# 497
Delta R.T. -0.01 min
Lab File: VU025320.D
Acq: 11 Jul 2018 17:29

Tgt Ion: 56 Resp: 201
Ion Ratio Lower Upper
56 100
55 50.7 57.2 85.8#





#16

Acetone

Concen: 16.56 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU025320.D

Acq: 11 Jul 2018 17:29

Instrument :

MSVOA_U

ClientSampleId :

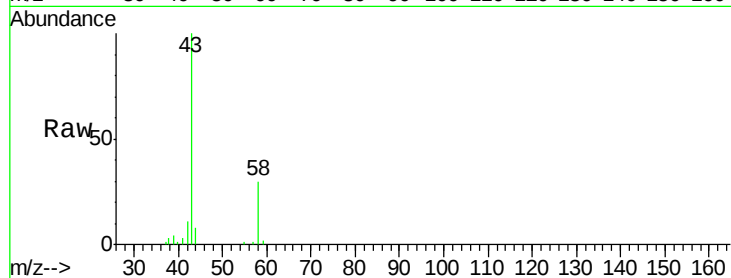
KY038PS033-180709

Tot Ion: 43 Resp: 18671

Ion Ratio Lower Upper

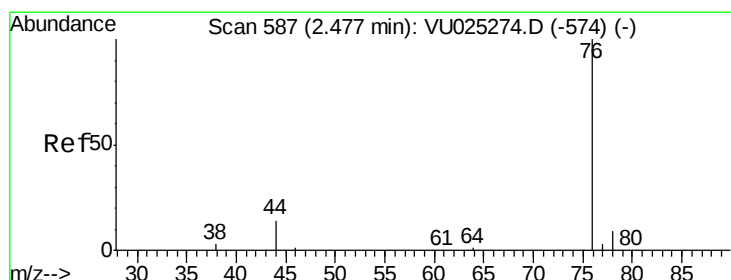
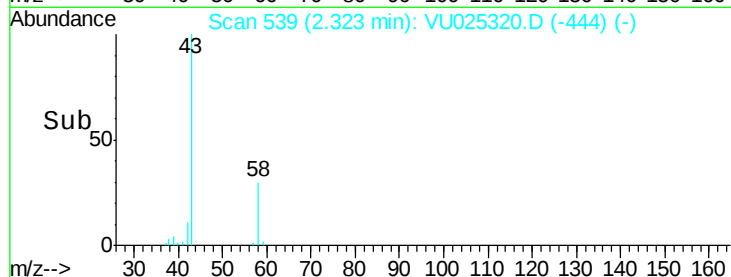
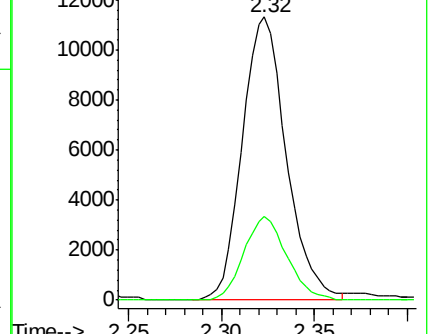
43 100

58 29.7 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#17

Carbon Disulfide

Concen: 1.97 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU025320.D

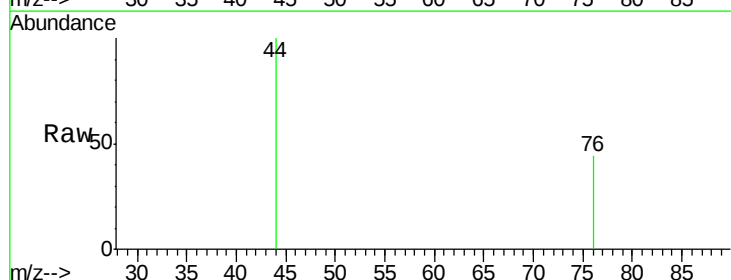
Acq: 11 Jul 2018 17:29

Tgt Ion: 76 Resp: 245

Ion Ratio Lower Upper

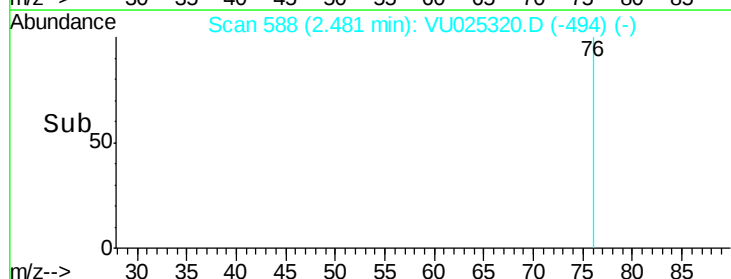
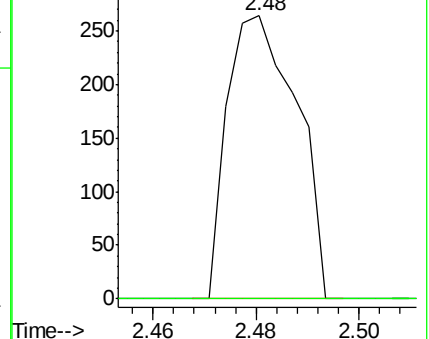
76 100

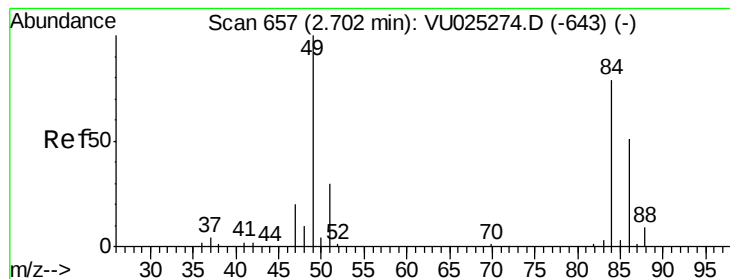
78 0.0 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0





#20

Methvlene Chloride

Concen: 0.79 ug/l

RT: 2.71 min Scan# 658

Delta R.T. 0.00 min

Lab File: VU025320.D

Acq: 11 Jul 2018 17:29

Instrument :

MSVOA_U

ClientSampleId :

KY038PS033-180709

Tot Ion: 84 Resp: 234

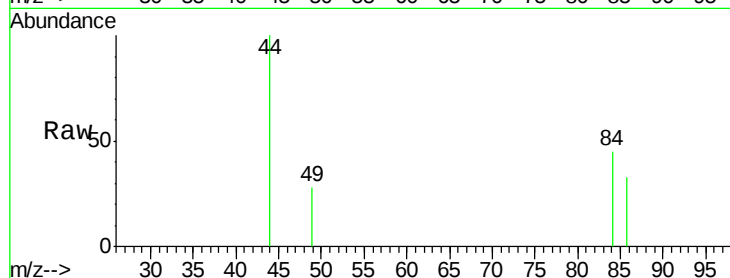
Ion Ratio Lower Upper

84 100

49 62.6 101.8 152.6#

51 0.0 30.8 46.2#

86 73.6 51.9 77.9

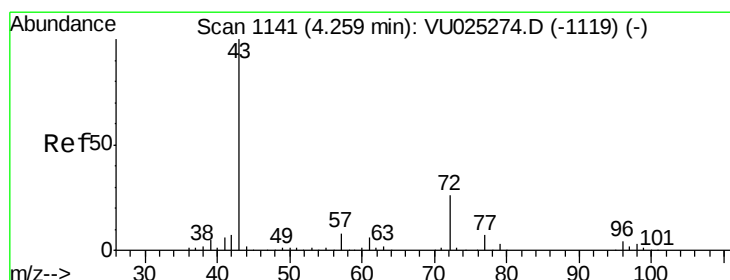
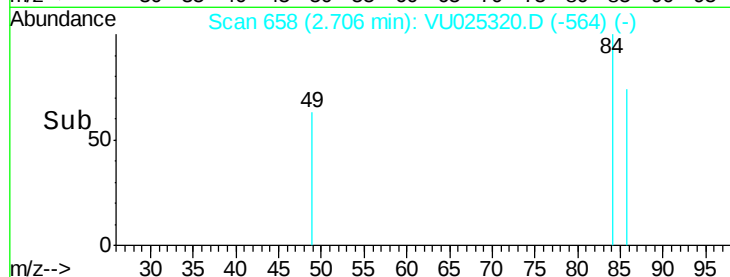
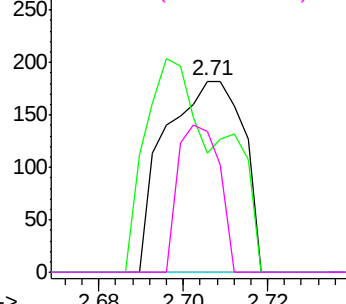


Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0



#25

2-Butanone

Concen: 1.49 ug/l

RT: 4.28 min Scan# 1148

Delta R.T. 0.02 min

Lab File: VU025320.D

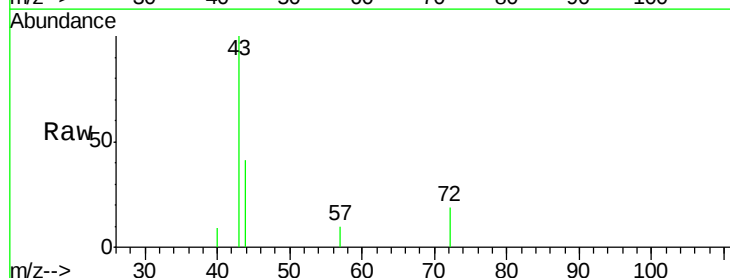
Acq: 11 Jul 2018 17:29

Tgt Ion: 43 Resp: 3175

Ion Ratio Lower Upper

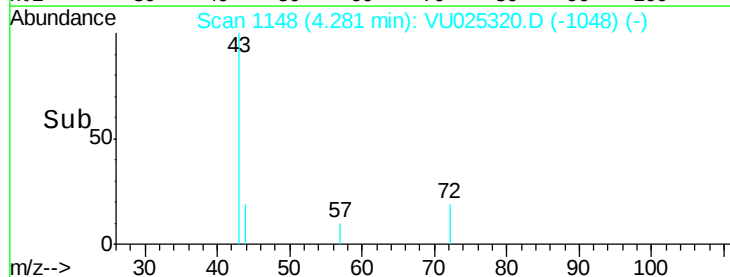
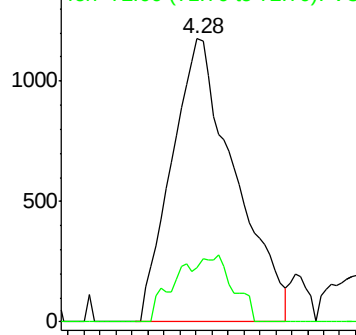
43 100

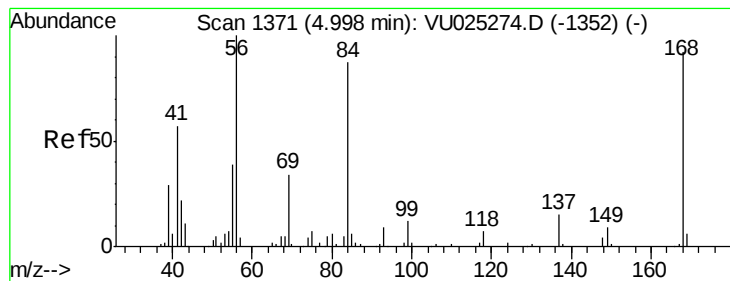
72 19.2 21.0 31.4#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0





#31

Cyclohexane

Concen: 1.69 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VU025320.D

Acq: 11 Jul 2018 17:29

Instrument :

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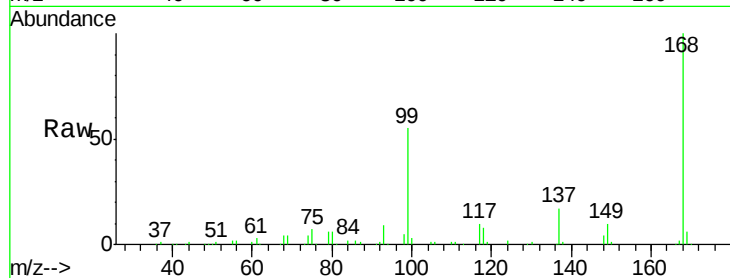
Tot Ion: 56 Resp: 3711

Ion Ratio Lower Upper

56 100

69 182.2 26.8 40.2#

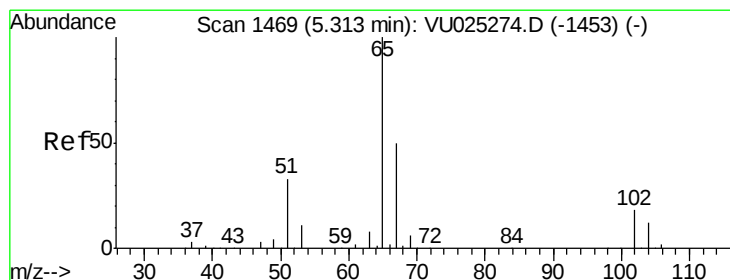
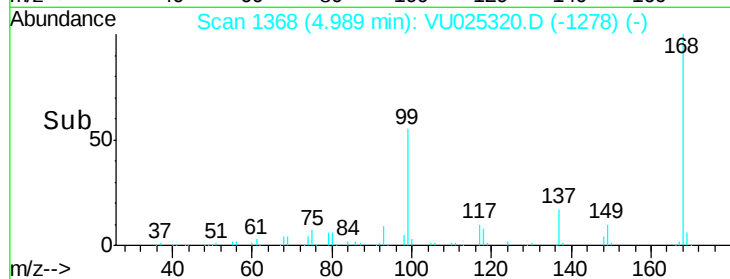
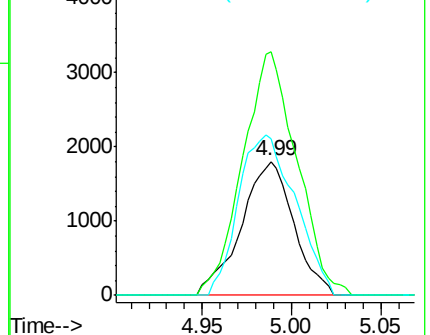
84 117.2 69.7 104.5#



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: 48.32 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VU025320.D

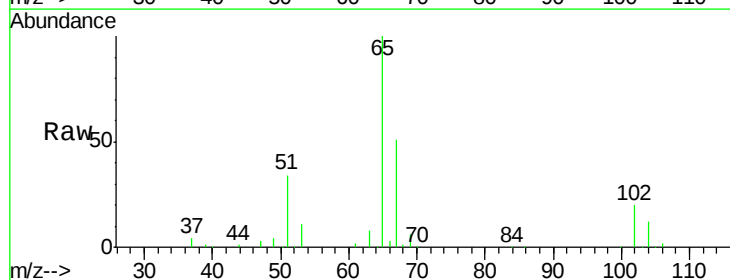
Acq: 11 Jul 2018 17:29

Tgt Ion: 65 Resp: 148239

Ion Ratio Lower Upper

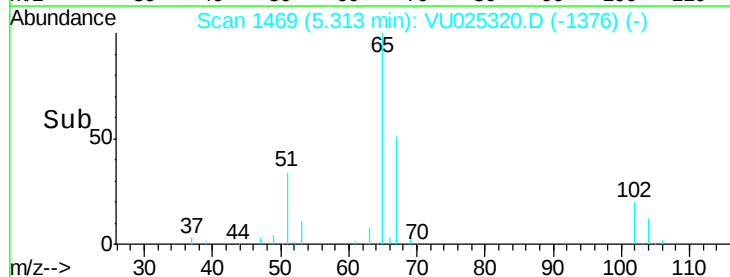
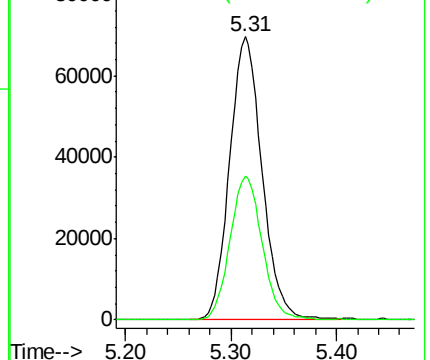
65 100

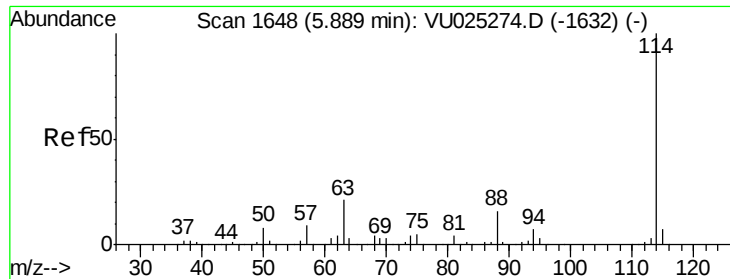
67 50.4 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VU0

Ion 66.90 (66.60 to 67.60): VU0

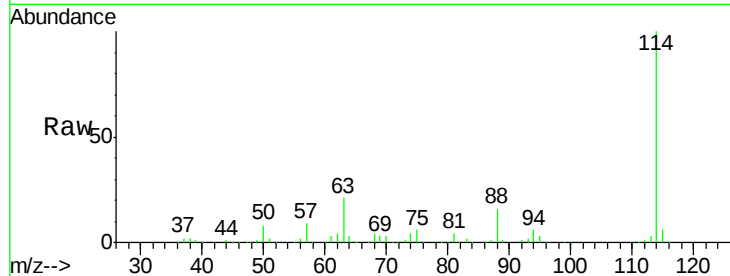




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU025320.D
 Acq: 11 Jul 2018 17:29

Instrument :
 MSVOA_U
 ClientSampleId :
 KY038PS033-180709

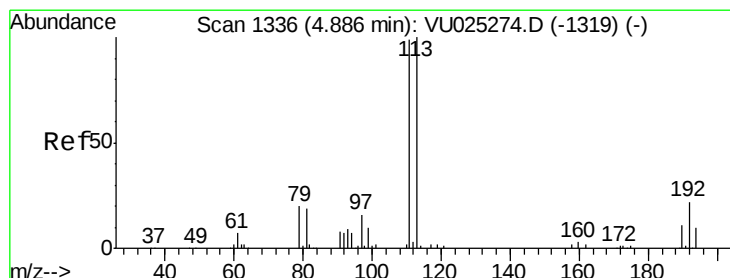
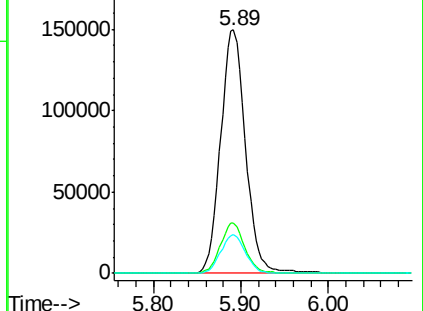
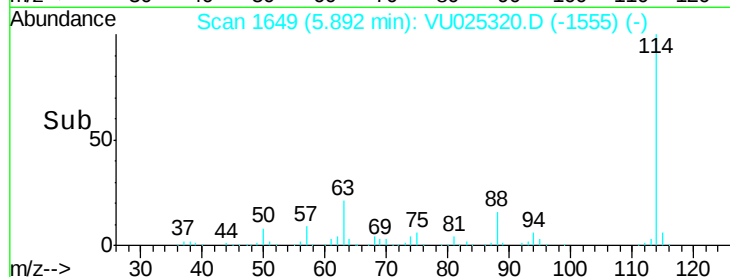
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	41.6
88	15.7	0.0	32.4



Abundance Ion 113.90 (113.60 to 114.60): V

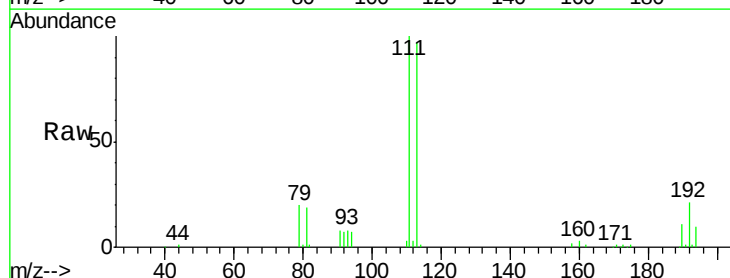
Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35
 Dibromofluoromethane
 Concen: 45.46 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU025320.D
 Acq: 11 Jul 2018 17:29

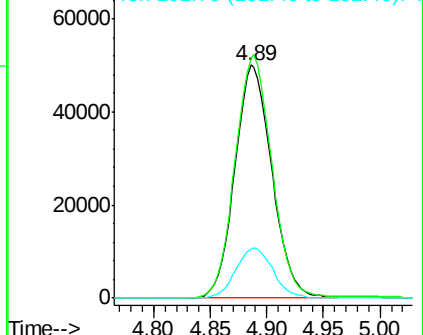
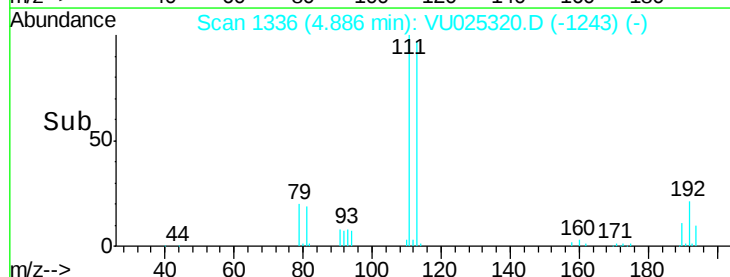
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.7	122.5
192	21.6	17.1	25.7

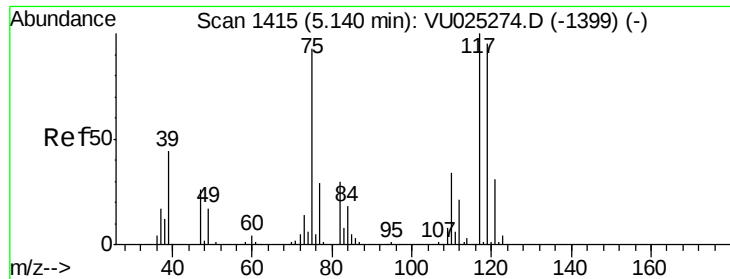


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

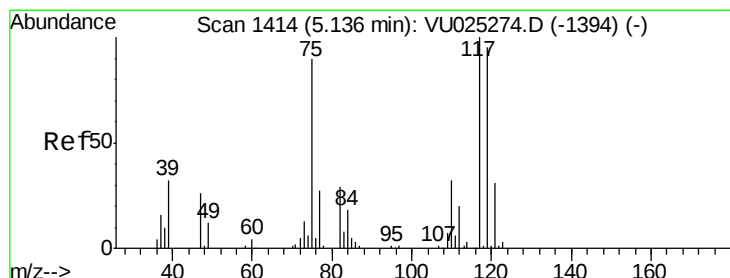
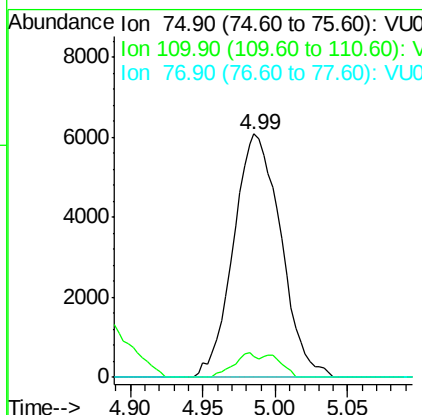
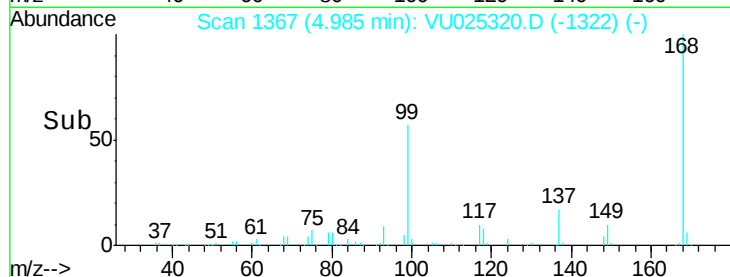
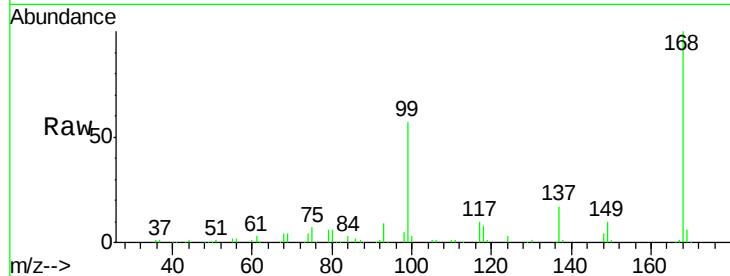




#36
 1,1-Dichloropropene
 Concen: 4.18 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.15 min
 Lab File: VU025320.D
 Acq: 11 Jul 2018 17:29

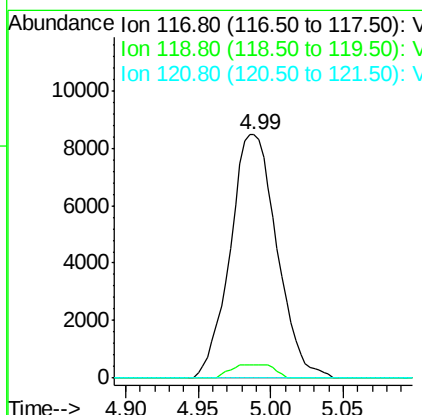
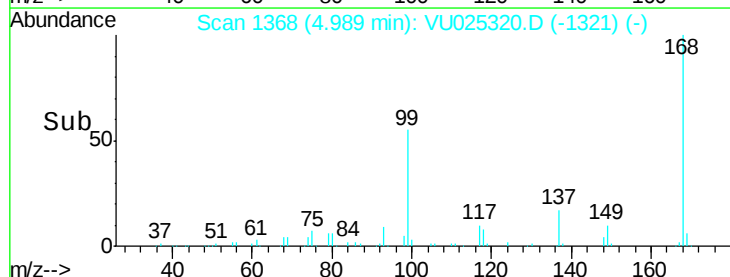
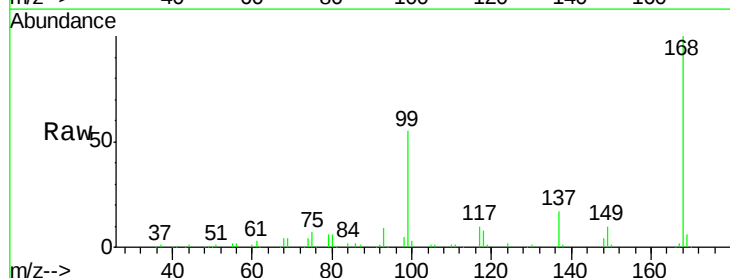
Instrument :
 MSVOA_U
 ClientSampleId :
 KY038PS033-180709

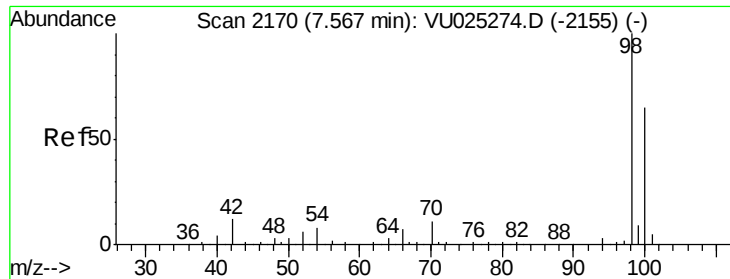
Tot Ion: 75 Resp: 13818
 Ion Ratio Lower Upper
 75 100
 110 5.2 17.6 52.9#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 5.32 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU025320.D
 Acq: 11 Jul 2018 17:29

Tgt Ion: 117 Resp: 18942
 Ion Ratio Lower Upper
 117 100
 119 5.3 75.7 113.5#
 121 0.0 24.6 36.8#

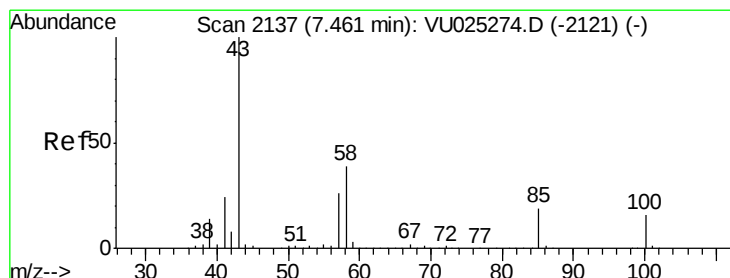
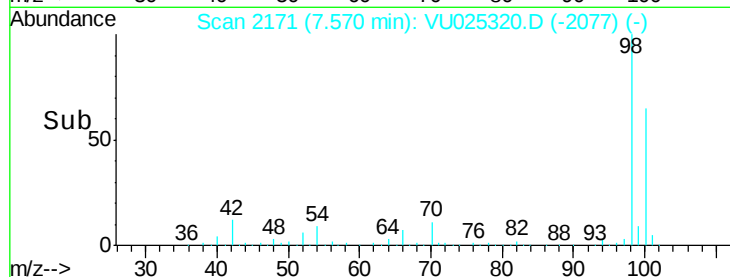
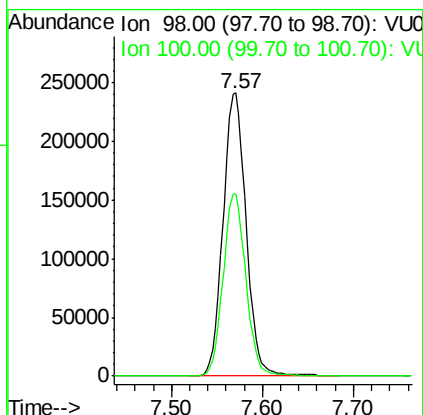
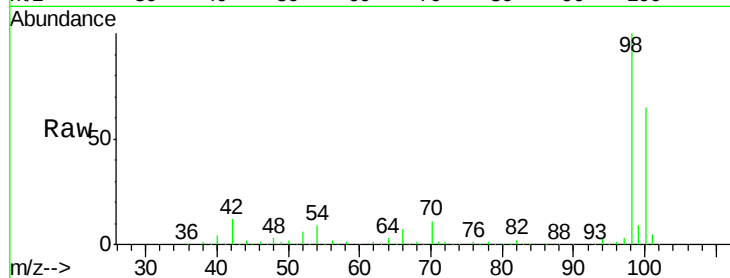




#50
Toluene-d8
Concen: 49.52 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU025320.D
Acq: 11 Jul 2018 17:29

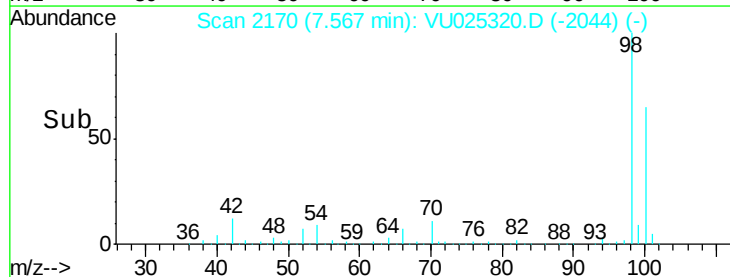
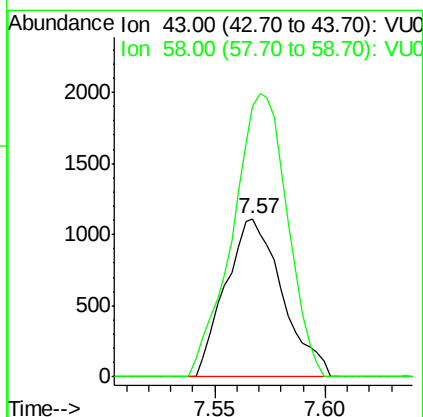
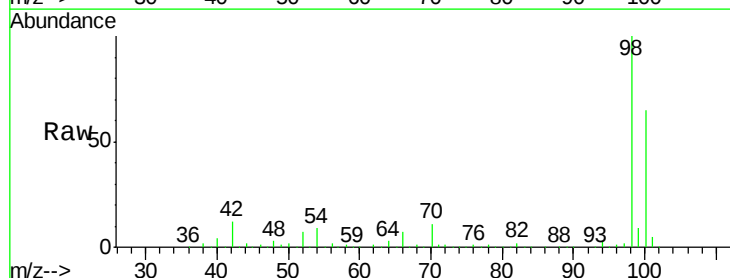
Instrument :
MSVOA_U
ClientSampleId :
KY038PS033-180709

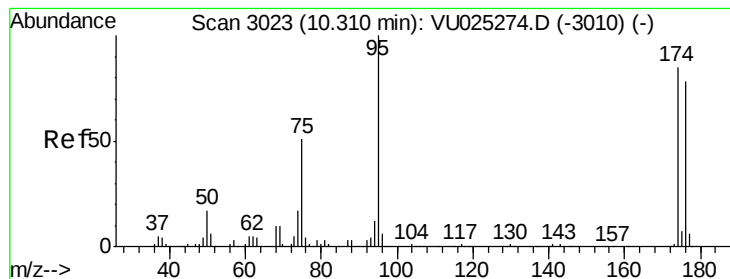
Tot Ion: 98 Resp: 425500
Ion Ratio Lower Upper
98 100
100 63.7 51.1 76.7



#51
4-Methyl-2-Pentanone
Concen: 0.52 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.11 min
Lab File: VU025320.D
Acq: 11 Jul 2018 17:29

Tgt Ion: 43 Resp: 1986
Ion Ratio Lower Upper
43 100
58 172.4 31.0 46.4#





#62

4-Bromofluorobenzene

Concen: 44.15 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025320.D

Acq: 11 Jul 2018 17:29

Instrument :

MSVOA_U

ClientSampleId :

KY038PS033-180709

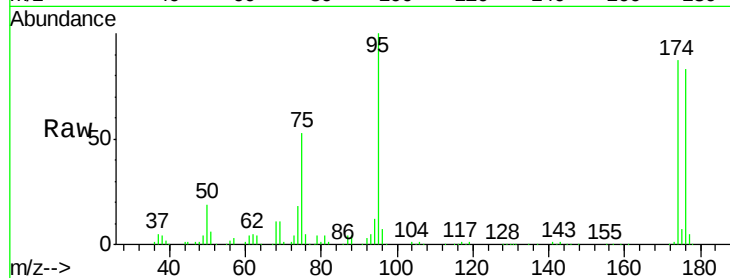
Tot Ion: 95 Resp: 152716

Ion Ratio Lower Upper

95 100

174 88.7 0.0 172.2

176 83.7 0.0 162.6



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

60000

40000

20000

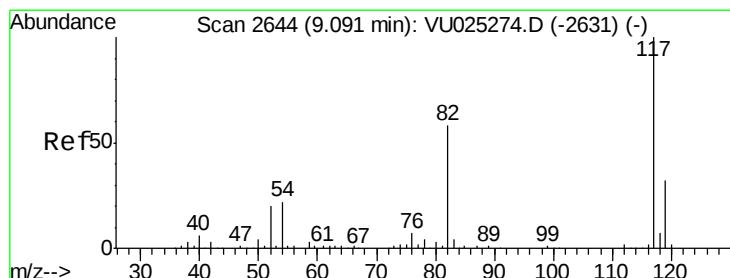
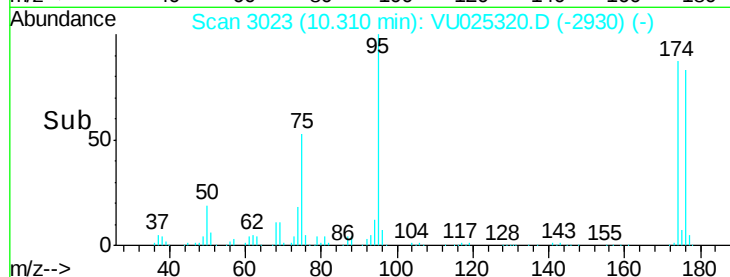
0

10.31

10.30

10.40

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VU025320.D

Acq: 11 Jul 2018 17:29

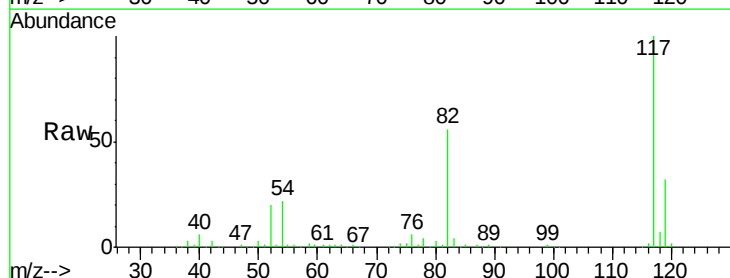
Tgt Ion: 117 Resp: 274825

Ion Ratio Lower Upper

117 100

82 56.3 46.0 69.0

119 31.7 26.0 39.0



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

200000

150000

100000

50000

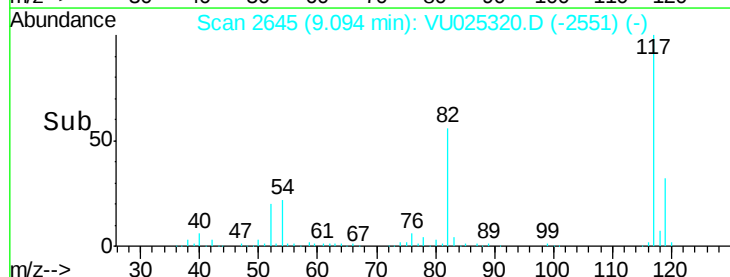
0

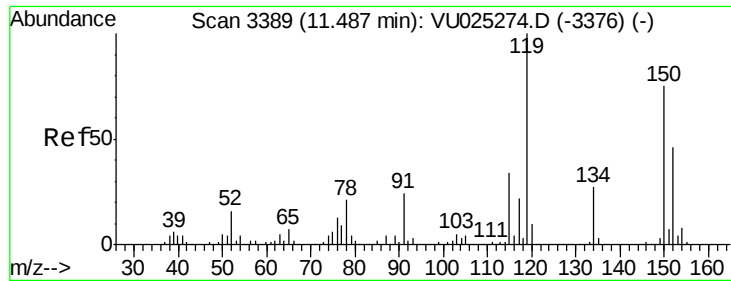
9.09

9.10

9.20

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU025320.D

Acq: 11 Jul 2018 17:29

Instrument :

MSVOA_U

ClientSampleId :

KY038PS033-180709

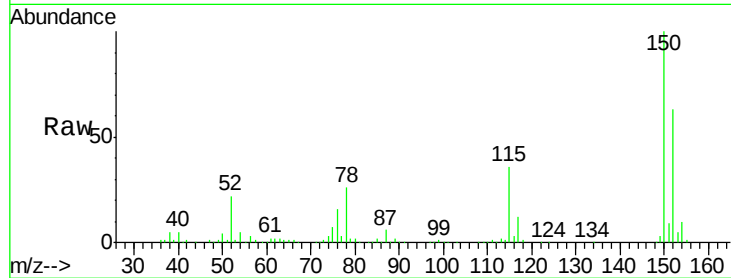
Tot Ion:152 Resp: 139754

Ion Ratio Lower Upper

152 100

115 57.4 40.1 120.3

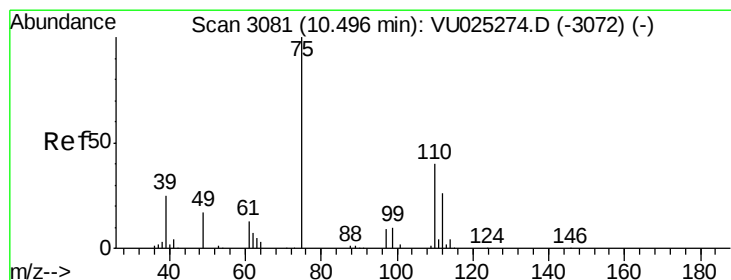
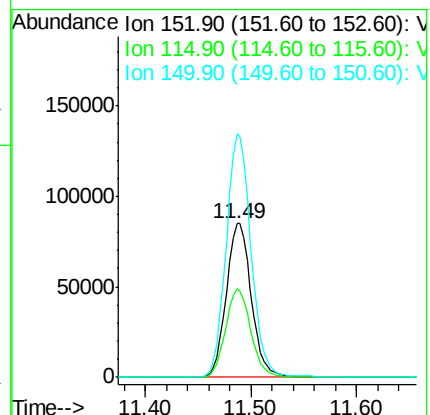
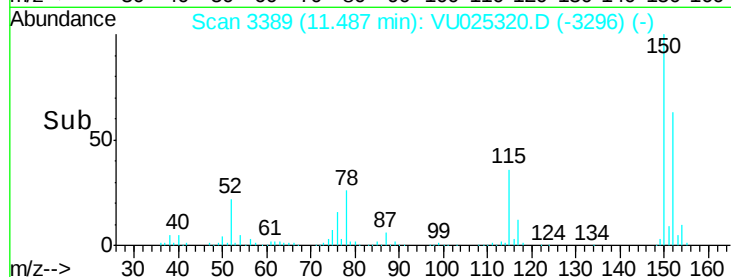
150 157.3 0.0 351.4



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: 28.32 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025320.D

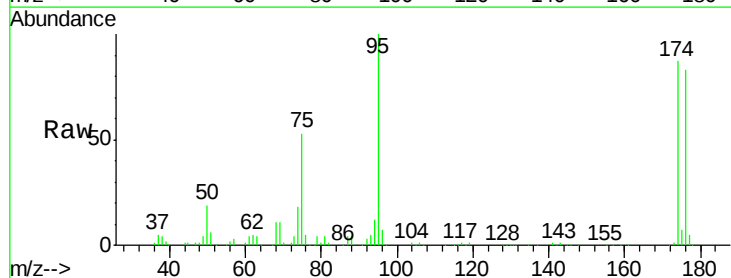
Acq: 11 Jul 2018 17:29

Tgt Ion: 75 Resp: 80585

Ion Ratio Lower Upper

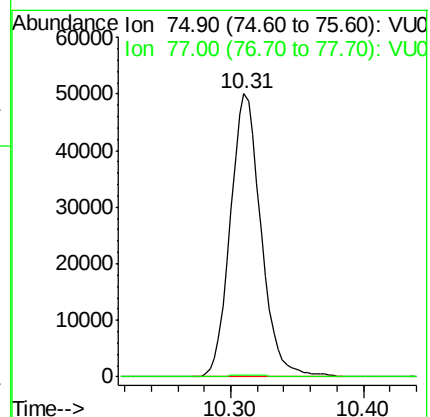
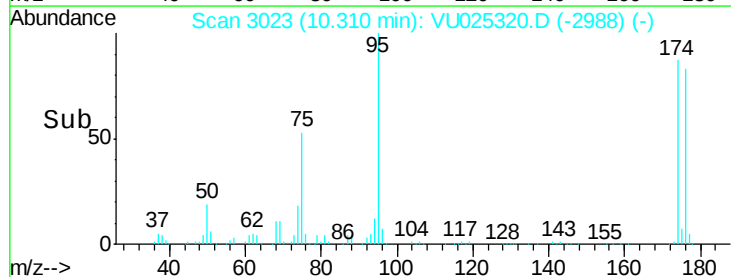
75 100

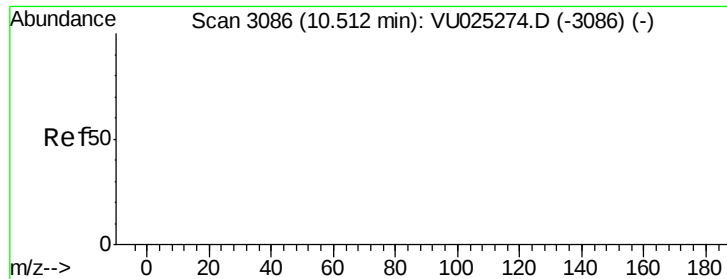
77 0.8 20.4 61.3#



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: 72.38 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025320.D

Acq: 11 Jul 2018 17:29

Instrument :

MSVOA_U

ClientSampleId :

KY038PS033-180709

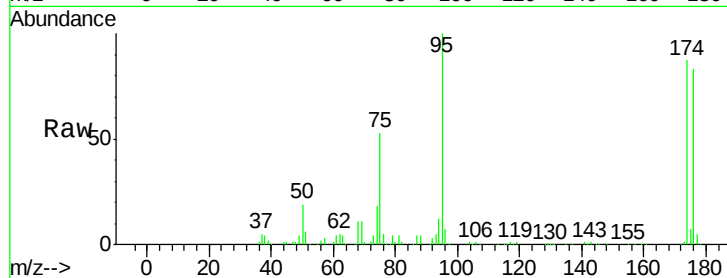
Tot Ion: 75 Resp: 80585

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0

