

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061818\
 Data File : VU024730.D
 Acq On : 19 Jun 2018 07:58
 Operator : MD/SY
 Sample : J3535-19
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-0447-180613

Quant Time: Jun 19 08:28:33 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

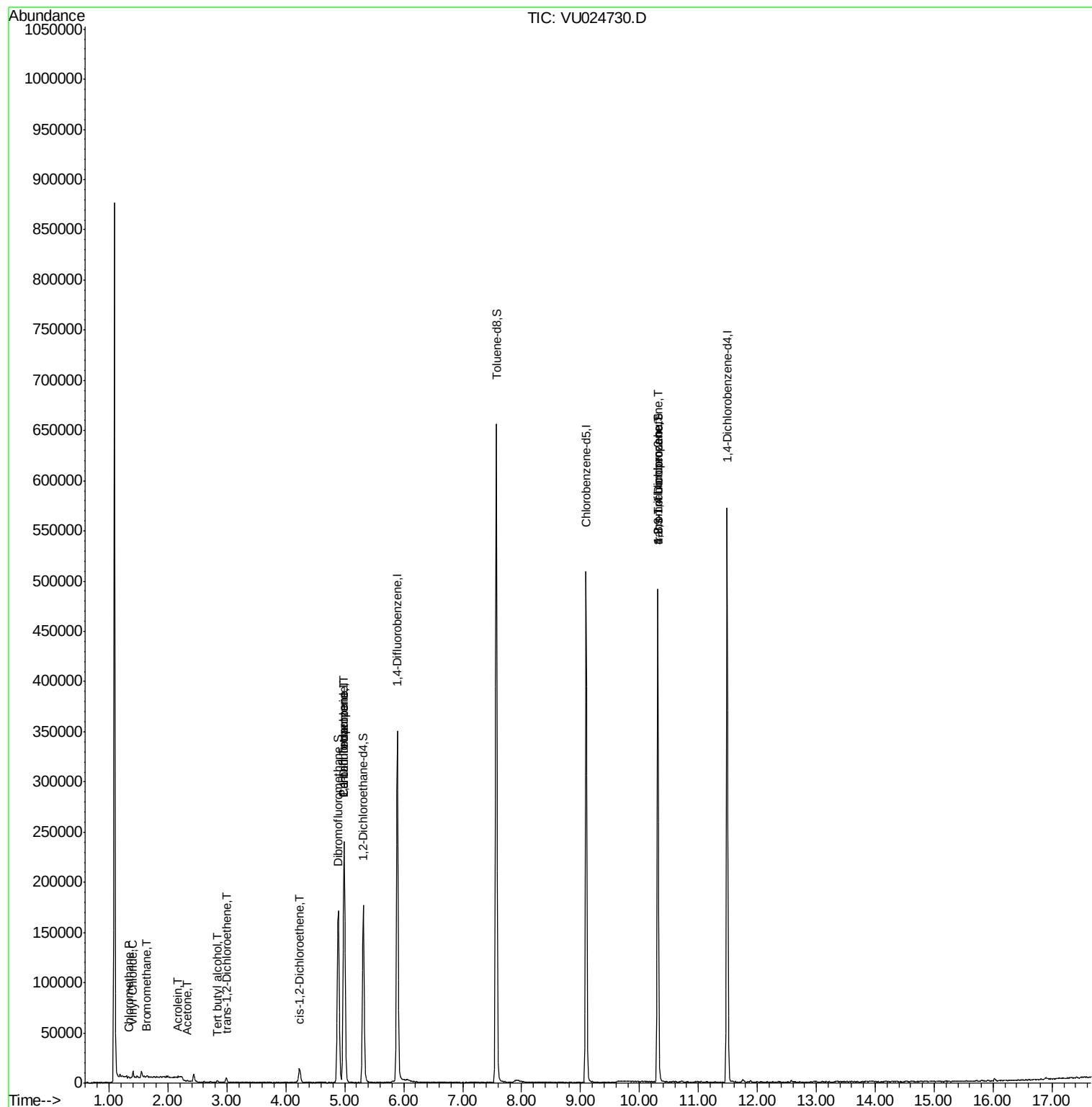
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	193580	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	301258	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	280638	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	149210	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	132747	42.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.02%	
35) Dibromofluoromethane	4.89	113	116008	46.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.80%	
50) Toluene-d8	7.57	98	442037	48.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.94%	
62) 4-Bromofluorobenzene	10.31	95	157274	43.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.86%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	623	0.252	ug/l #	80
4) Vinyl Chloride	1.40	62	4013	1.572	ug/l	96
5) Bromomethane	1.63	94	501	0.406	ug/l #	61
6) Chloroethane	1.71	64	173	Below Cal	#	43
11) Tert butyl alcohol	2.84	59	335	0.436	ug/l #	72
13) Acrolein	2.18	56	91	0.225	ug/l #	1
16) Acetone	2.33	43	517	0.304	ug/l #	65
21) trans-1,2-Dichloroethene	2.99	96	2139	0.881	ug/l	84
27) cis-1,2-Dichloroethene	4.24	96	7530	2.698	ug/l	85
31) Cyclohexane	4.99	56	3924	Below Cal	#	15
36) 1,1-Dichloropropene	4.99	75	13420	3.791	ug/l #	51
38) Carbon Tetrachloride	4.99	117	17660	4.537	ug/l #	16
76) 1,2,3-Trichloropropane	10.31	75	79485	24.196	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	79485	55.999	ug/l #	100

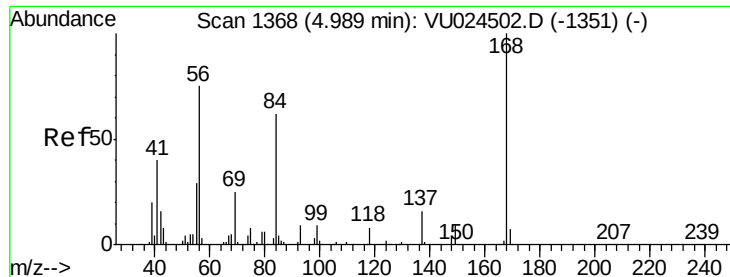
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU024730.D

Acq: 19 Jun 2018 07:58

Instrument :

MSVOA_U

ClientSampleId :

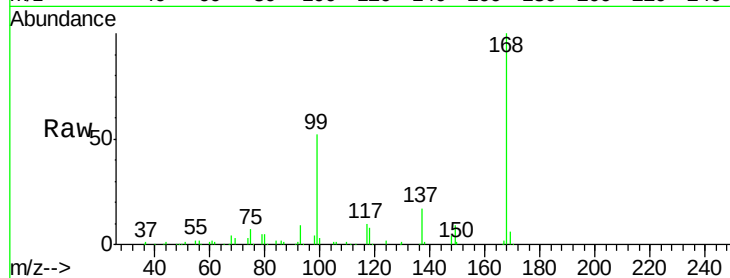
DUP-0447-180613

Tgt Ion:168 Resp: 193580

Ion Ratio Lower Upper

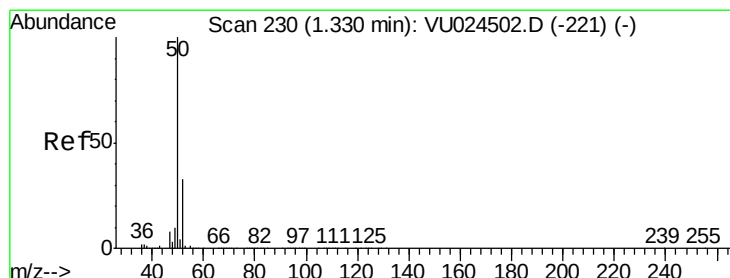
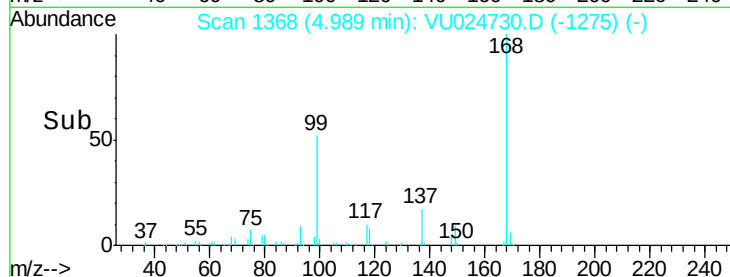
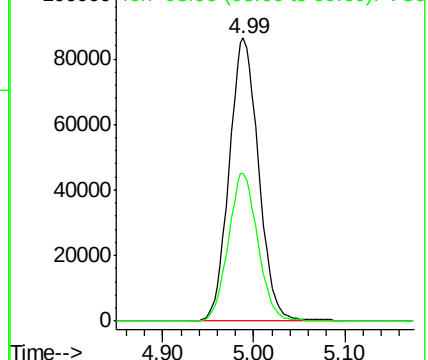
168 100

99 52.2 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)



#3

Chloromethane

Concen: 0.252 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU024730.D

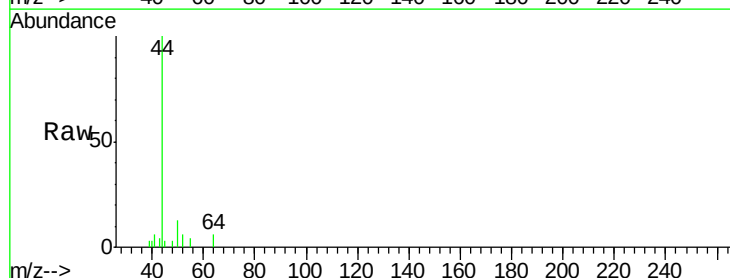
Acq: 19 Jun 2018 07:58

Tgt Ion: 50 Resp: 623

Ion Ratio Lower Upper

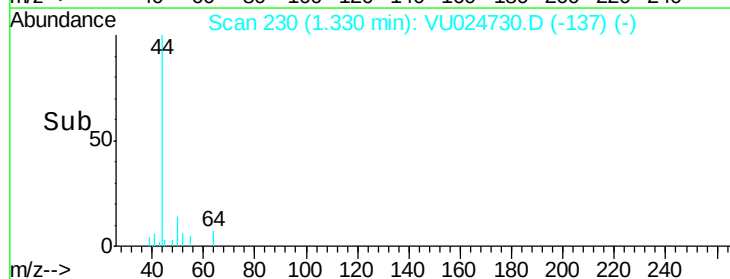
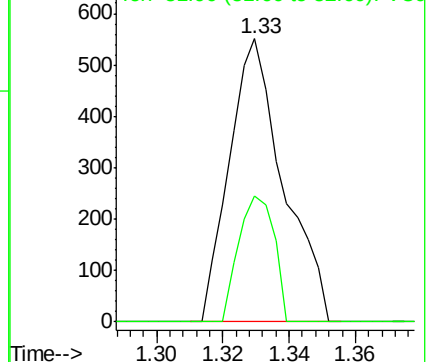
50 100

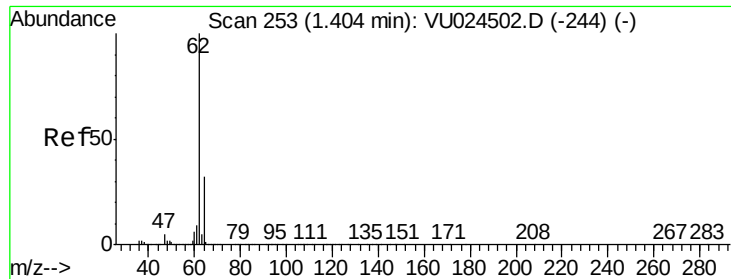
52 44.5 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VU024502.D (-221) (-)

Ion 51.90 (51.60 to 52.60): VU024502.D (-221) (-)





#4

Vinyl Chloride

Concen: 1.572 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024730.D

Acq: 19 Jun 2018 07:58

Instrument :

MSVOA_U

ClientSampleId :

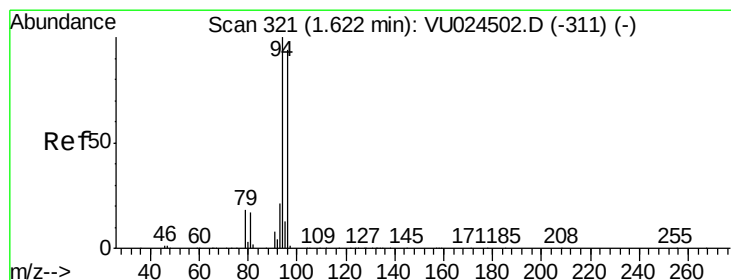
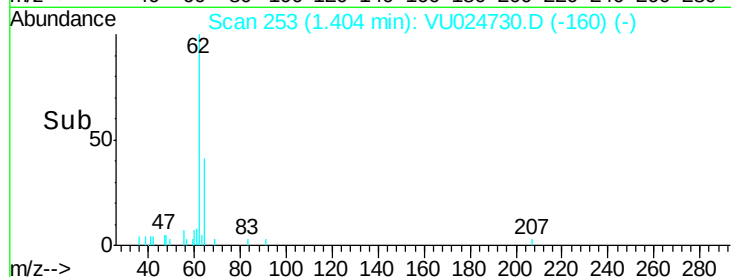
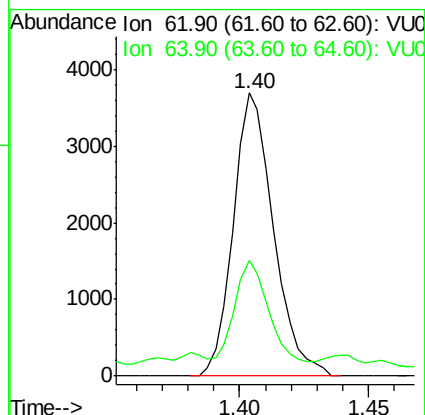
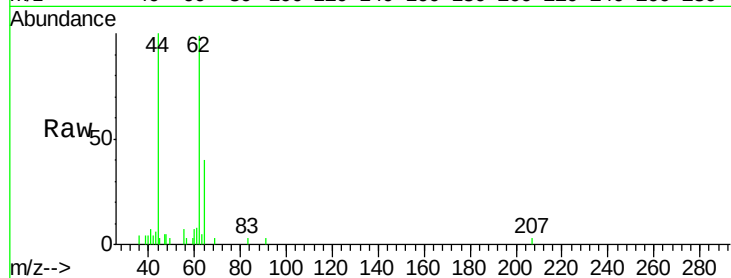
DUP-0447-180613

Tgt Ion: 62 Resp: 4013

Ion Ratio Lower Upper

62 100

64 33.2 24.8 37.2



#5

Bromomethane

Concen: 0.406 ug/l

RT: 1.63 min Scan# 324

Delta R.T. 0.01 min

Lab File: VU024730.D

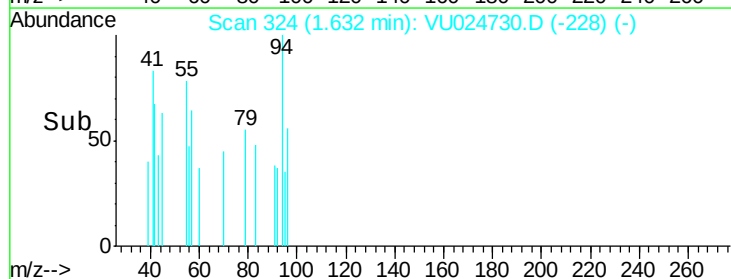
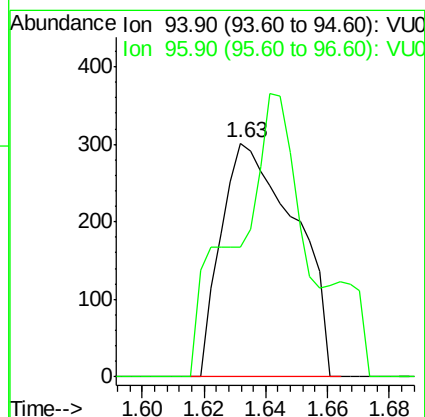
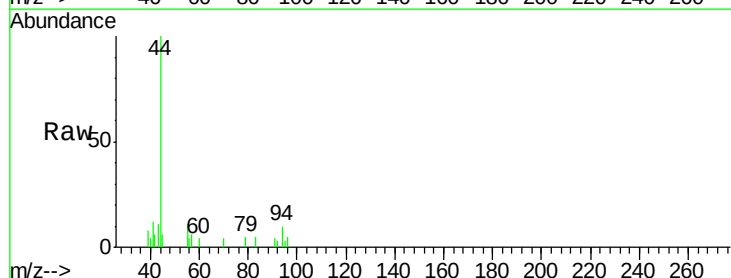
Acq: 19 Jun 2018 07:58

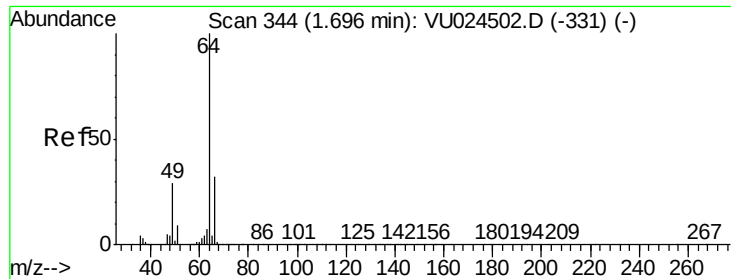
Tgt Ion: 94 Resp: 501

Ion Ratio Lower Upper

94 100

96 55.8 74.5 111.7#





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 349

Delta R.T. 0.02 min

Lab File: VU024730.D

Acq: 19 Jun 2018 07:58

Instrument :

MSVOA_U

ClientSampleId :

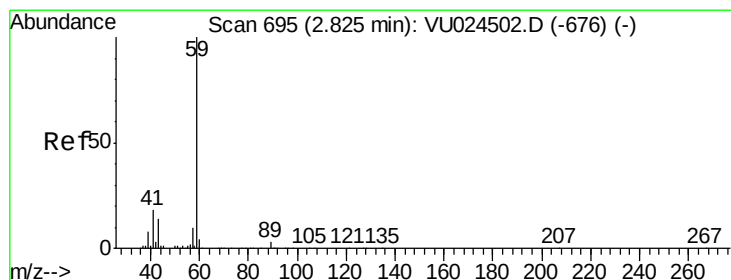
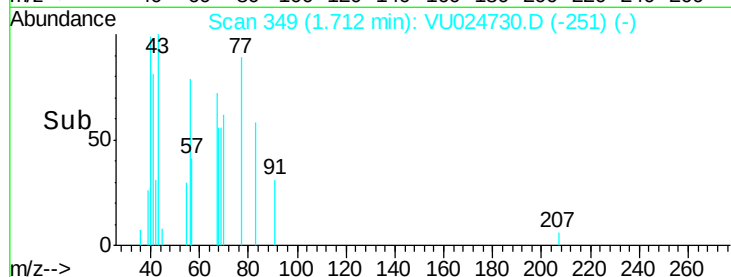
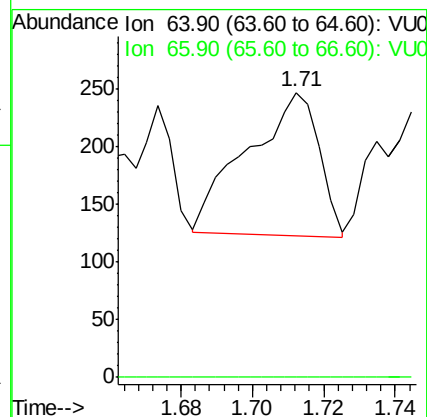
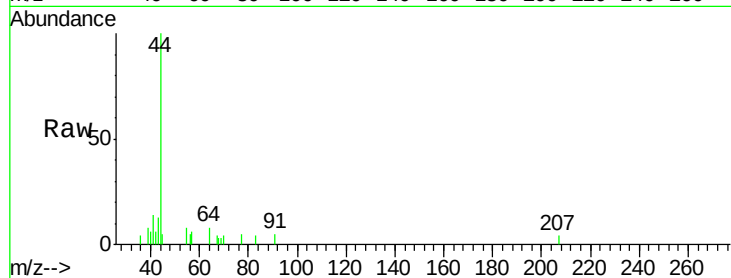
DUP-0447-180613

Tgt Ion: 64 Resp: 173

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



#11

Tert butyl alcohol

Concen: 0.436 ug/l

RT: 2.84 min Scan# 699

Delta R.T. 0.01 min

Lab File: VU024730.D

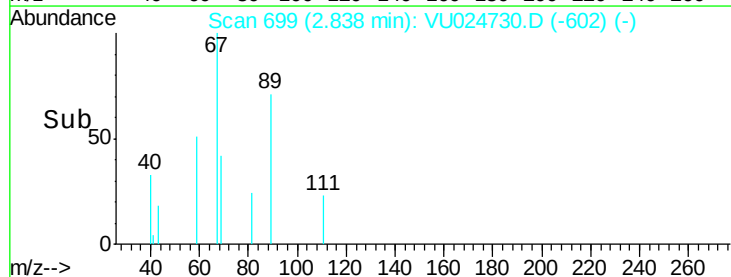
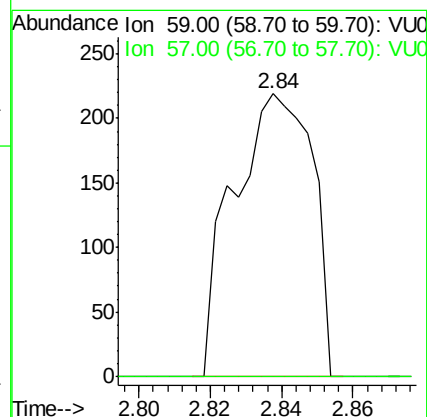
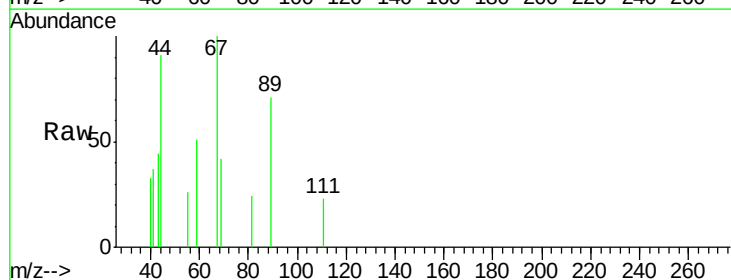
Acq: 19 Jun 2018 07:58

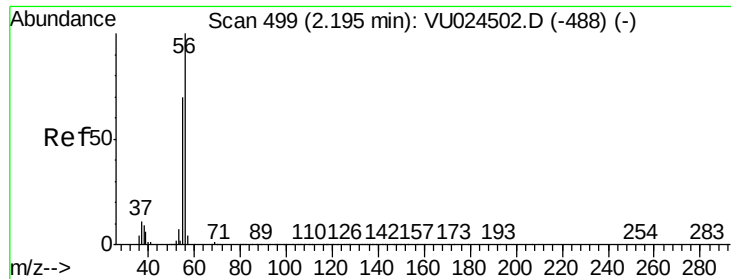
Tgt Ion: 59 Resp: 335

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#





#13

Acrolein

Concen: 0.225 ug/l

RT: 2.18 min Scan# 494

Delta R.T. -0.02 min

Lab File: VU024730.D

Acq: 19 Jun 2018 07:58

Instrument :

MSVOA_U

ClientSampleId :

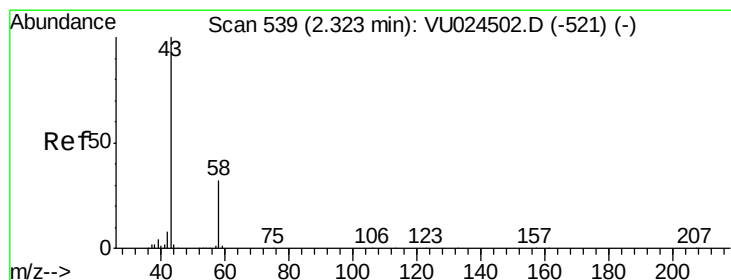
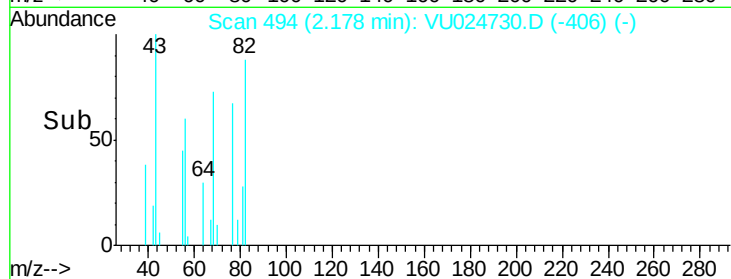
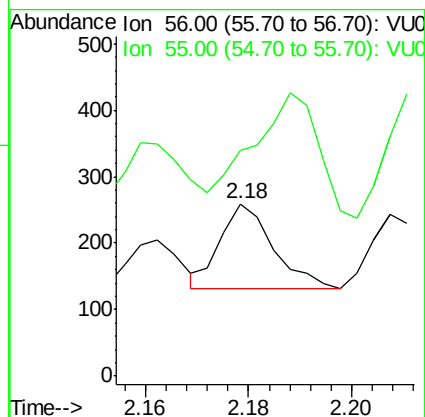
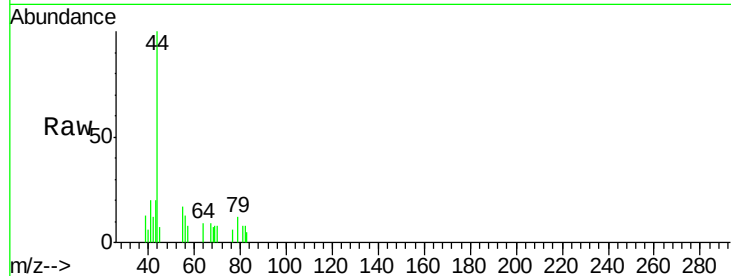
DUP-0447-180613

Tgt Ion: 56 Resp: 91

Ion Ratio Lower Upper

56 100

55 170.3 58.4 87.6#



#16

Acetone

Concen: 0.304 ug/l

RT: 2.33 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU024730.D

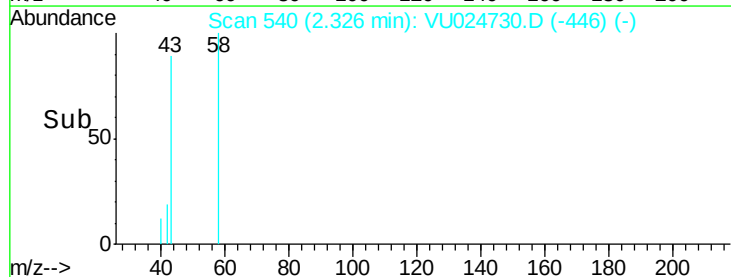
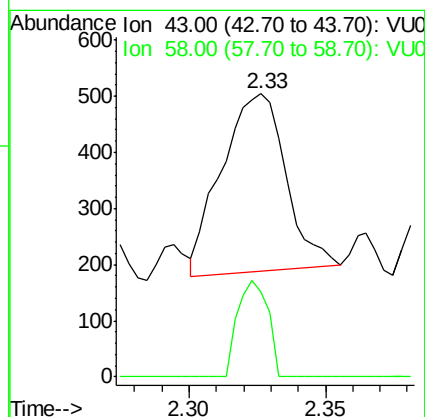
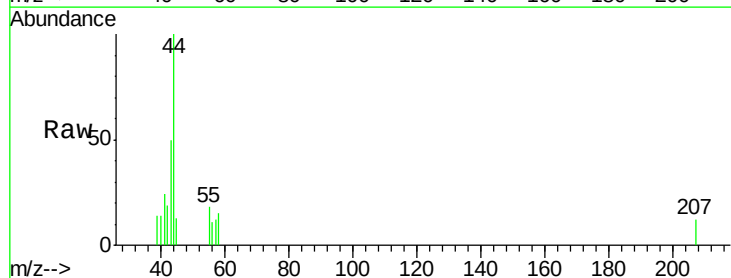
Acq: 19 Jun 2018 07:58

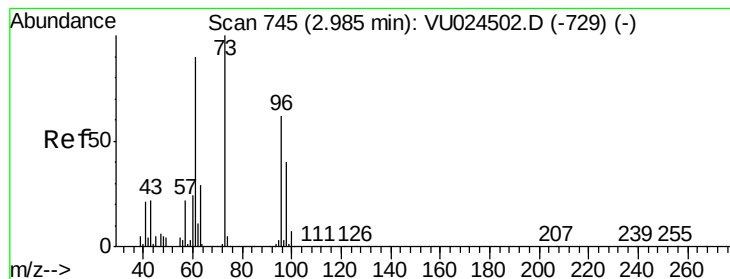
Tgt Ion: 43 Resp: 517

Ion Ratio Lower Upper

43 100

58 49.8 24.4 36.6#





#21

trans-1,2-Dichloroethene

Concen: 0.881 ug/l

RT: 2.99 min Scan# 747

Delta R.T. 0.01 min

Lab File: VU024730.D

Acq: 19 Jun 2018 07:58

Instrument :

MSVOA_U

ClientSampleId :

DUP-0447-180613

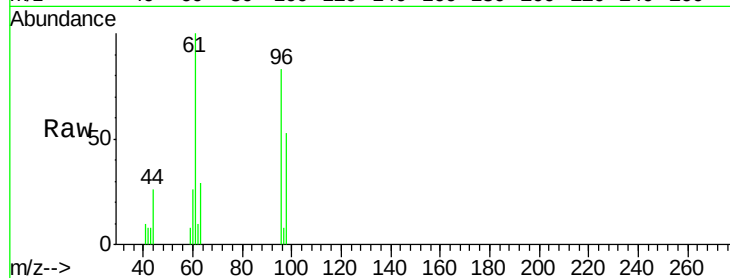
Tgt Ion: 96 Resp: 2139

Ion Ratio Lower Upper

96 100

61 120.5 119.4 179.0

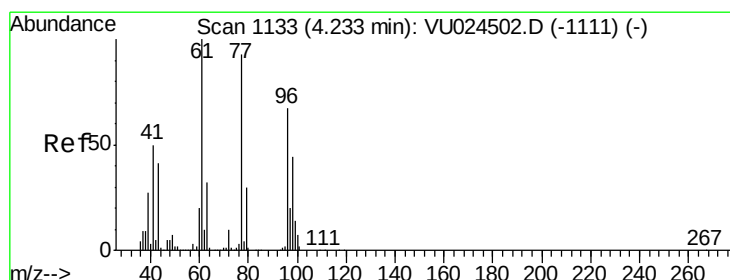
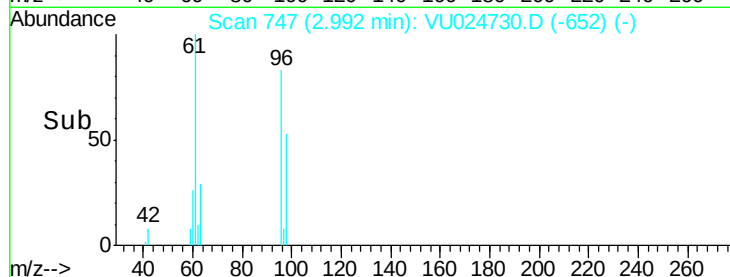
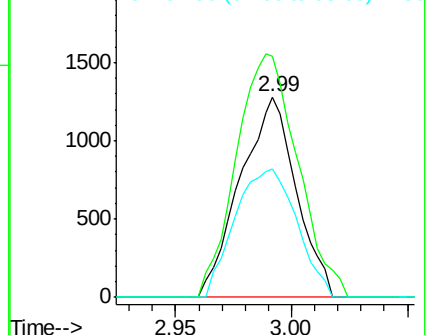
98 63.9 51.1 76.7



Abundance Ion 95.90 (95.60 to 96.60): VU024730.D (-1040) (-)

Ion 60.90 (60.60 to 61.60): VU024730.D (-1040) (-)

Ion 97.90 (97.60 to 98.60): VU024730.D (-1040) (-)



#27

cis-1,2-Dichloroethene

Concen: 2.698 ug/l

RT: 4.24 min Scan# 1134

Delta R.T. 0.00 min

Lab File: VU024730.D

Acq: 19 Jun 2018 07:58

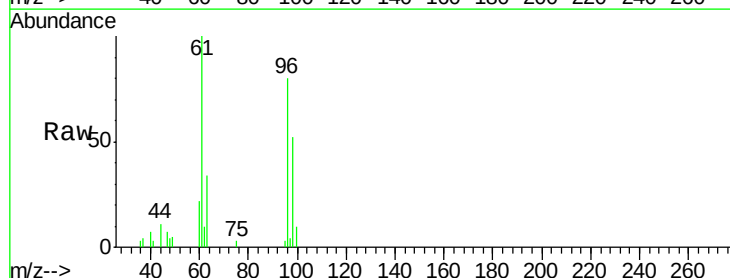
Tgt Ion: 96 Resp: 7530

Ion Ratio Lower Upper

96 100

61 128.5 0.0 306.6

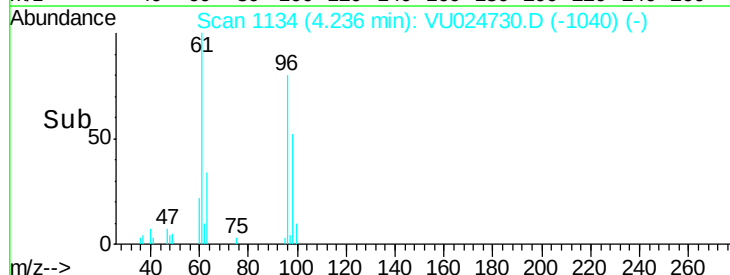
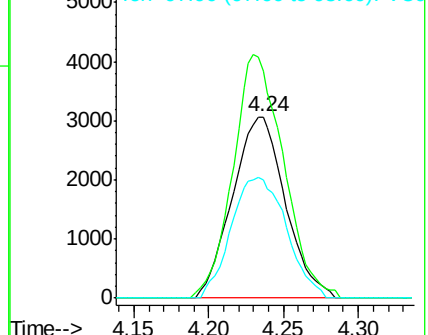
98 69.3 0.0 128.8

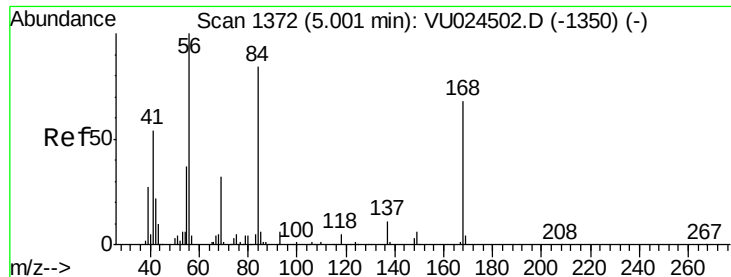


Abundance Ion 95.90 (95.60 to 96.60): VU024730.D (-1040) (-)

Ion 60.90 (60.60 to 61.60): VU024730.D (-1040) (-)

Ion 97.90 (97.60 to 98.60): VU024730.D (-1040) (-)

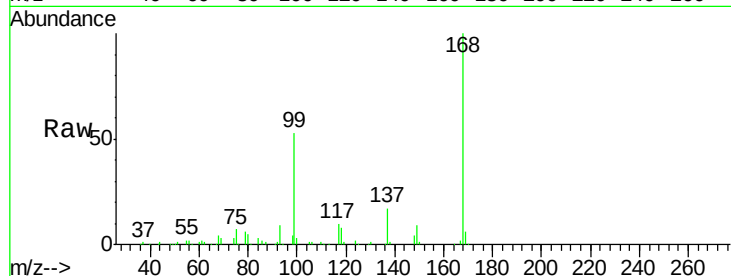




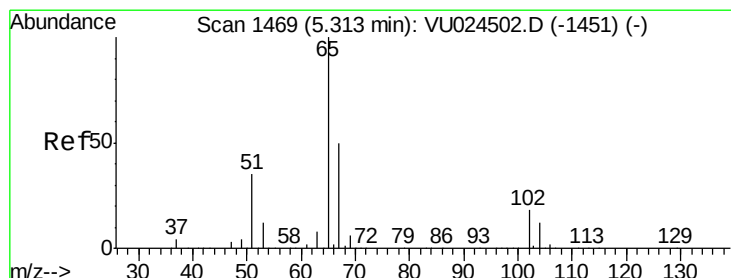
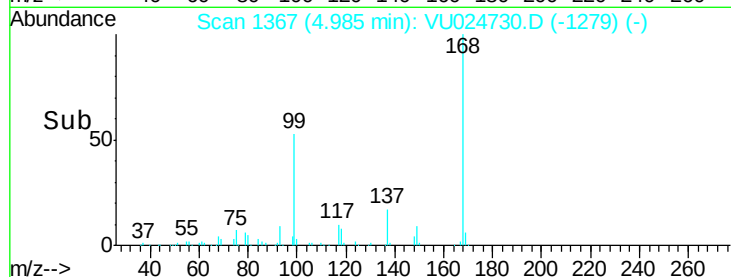
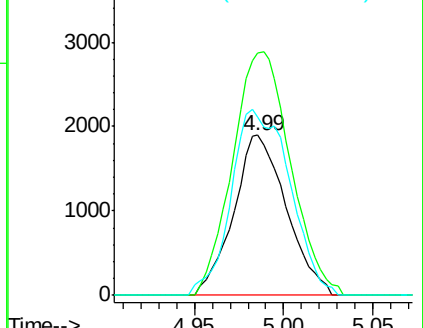
#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1367
Delta R.T. -0.02 min
Lab File: VU024730.D
Acq: 19 Jun 2018 07:58

Instrument :
MSVOA_U
ClientSampleId :
DUP-0447-180613

Tgt Ion: 56 Resp: 3924
Ion Ratio Lower Upper
56 100
69 151.6 24.8 37.2#
84 111.7 65.2 97.8#

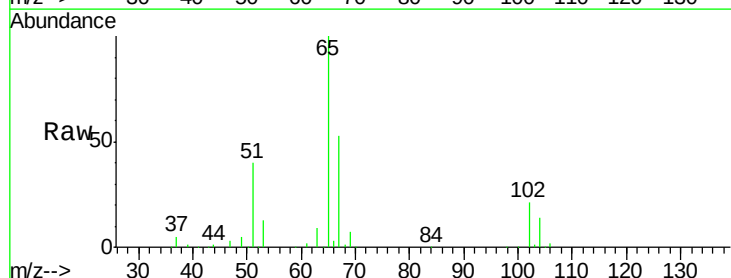


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

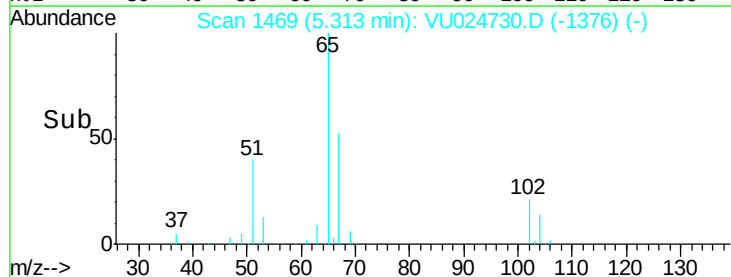
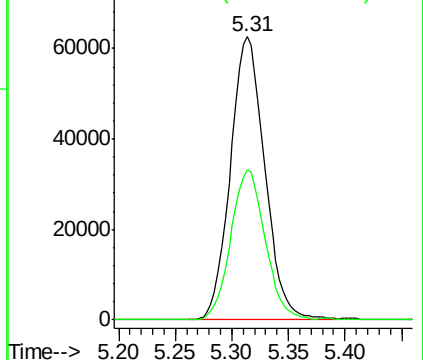


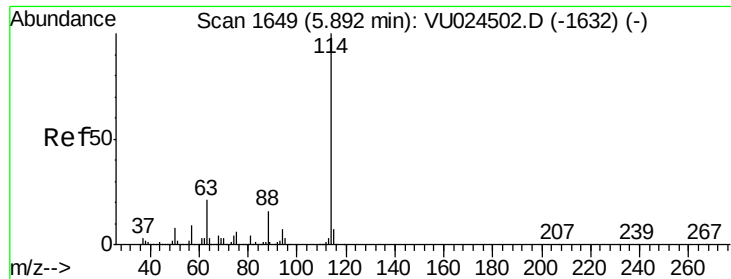
#33
1,2-Dichloroethane-d4
Concen: 42.005 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VU024730.D
Acq: 19 Jun 2018 07:58

Tgt Ion: 65 Resp: 132747
Ion Ratio Lower Upper
65 100
67 53.0 0.0 107.0



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

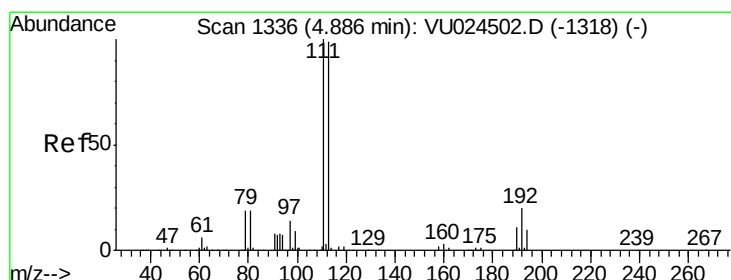
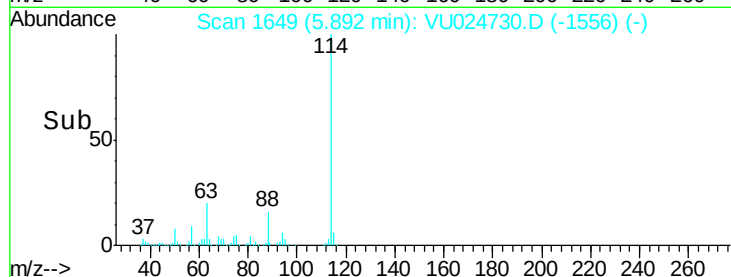
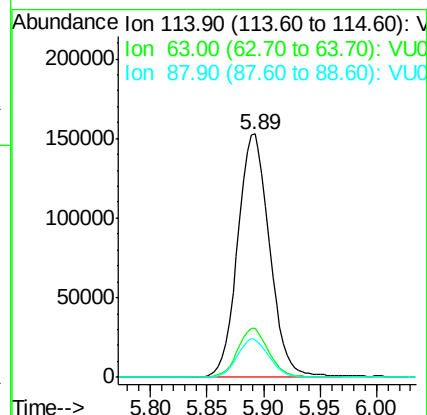
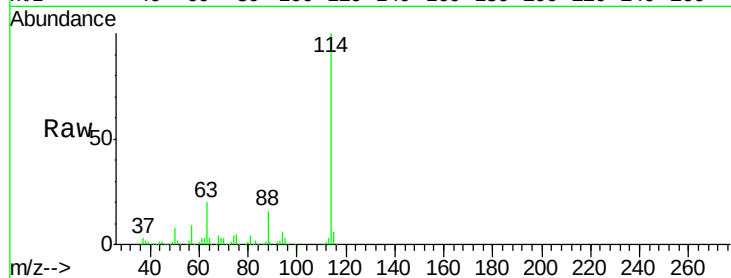




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU024730.D
 Acq: 19 Jun 2018 07:58

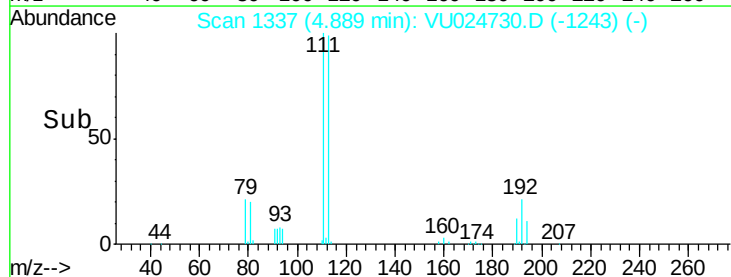
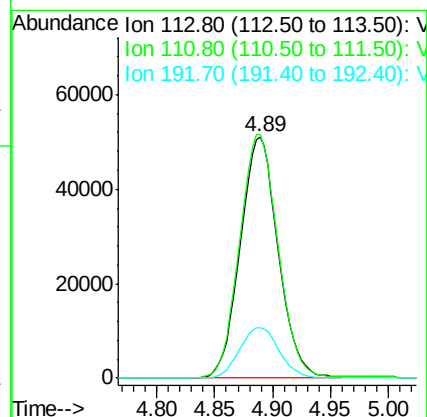
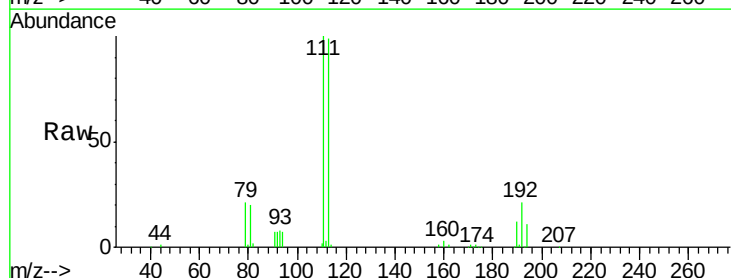
Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-0447-180613

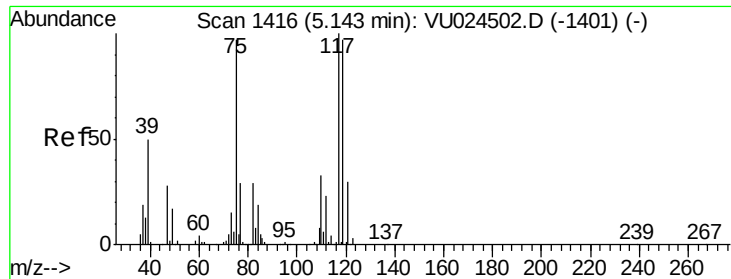
Tgt Ion:	114	Resp:	301258
Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	45.4
88	15.6	0.0	31.0



#35
 Dibromofluoromethane
 Concen: 46.399 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024730.D
 Acq: 19 Jun 2018 07:58

Tgt Ion:	113	Resp:	116008
Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.2	123.4
192	21.8	16.2	24.4

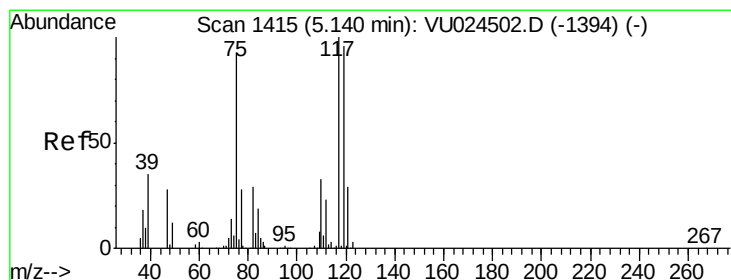
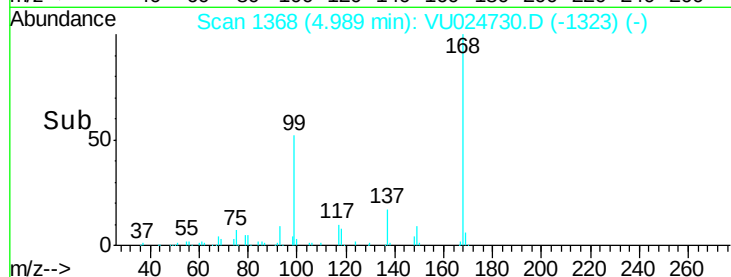
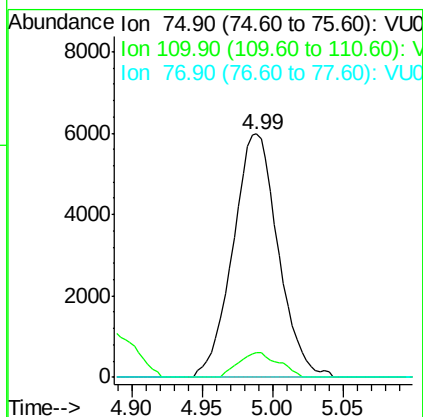
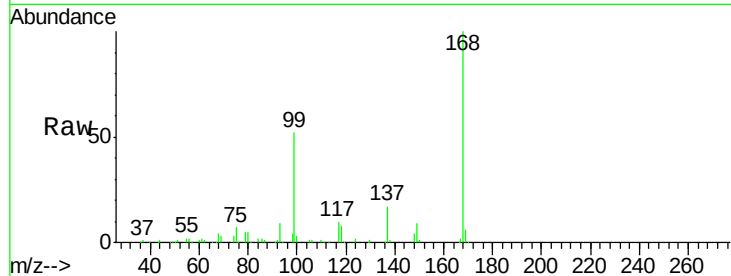




#36
 1,1-Dichloropropene
 Concen: 3.791 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU024730.D
 Acq: 19 Jun 2018 07:58

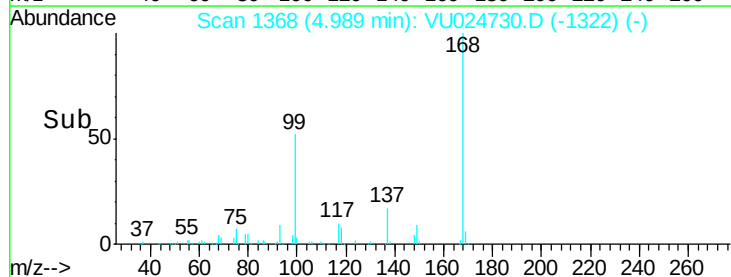
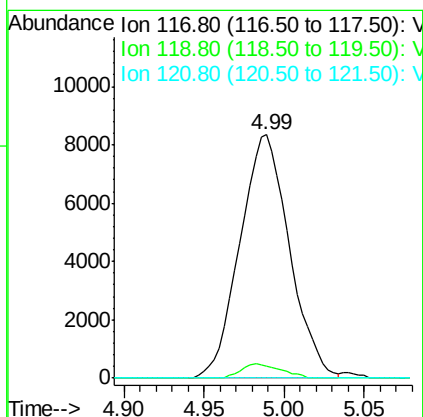
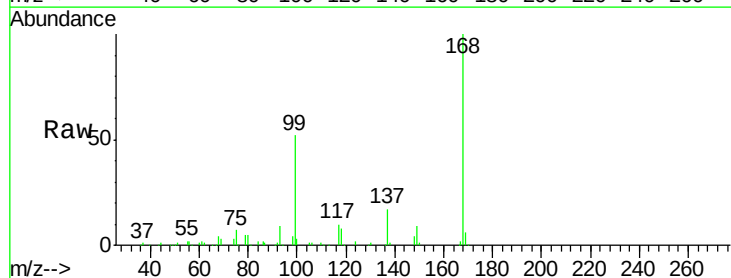
Instrument :
 MSVOA_U
 ClientSampleId :
 DUP-0447-180613

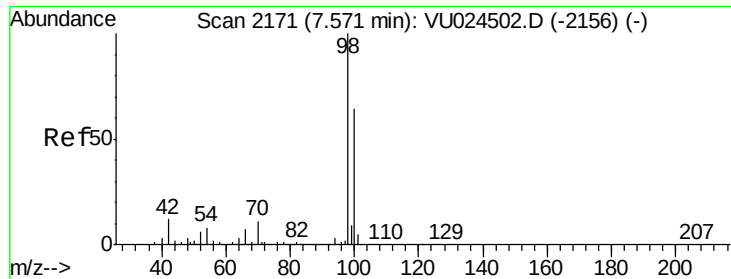
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	17.0	50.9#
77	0.0	24.2	36.4#



#38
 Carbon Tetrachloride
 Concen: 4.537 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU024730.D
 Acq: 19 Jun 2018 07:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	76.1	114.1#
121	0.0	23.7	35.5#

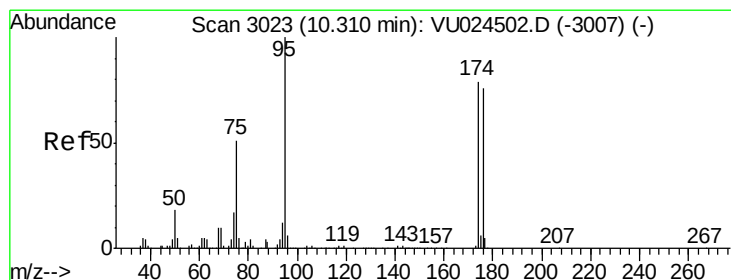
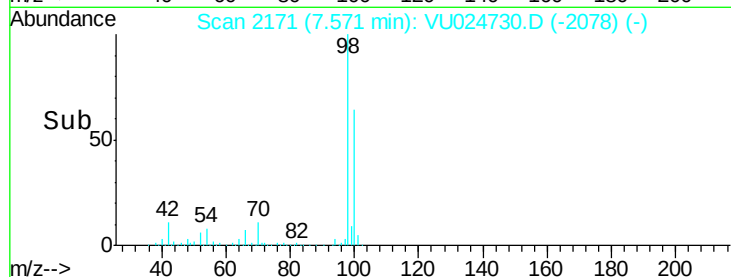
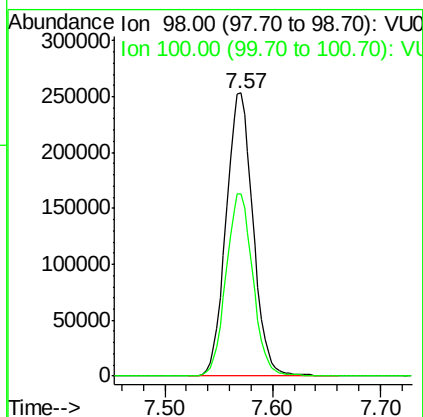
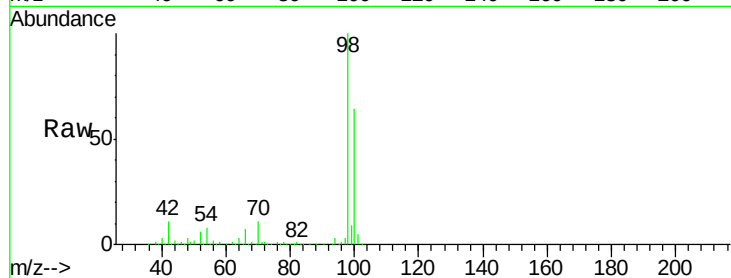




#50
Toluene-d8
Concen: 48.470 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU024730.D
Acq: 19 Jun 2018 07:58

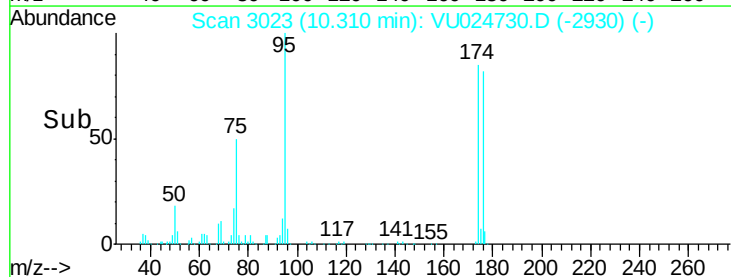
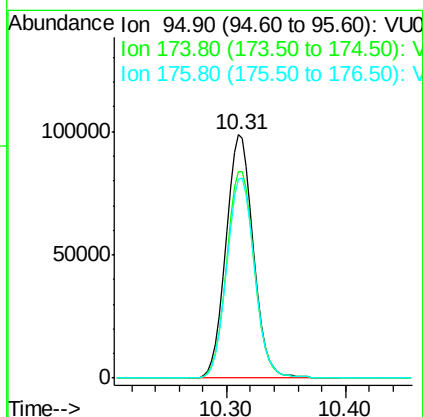
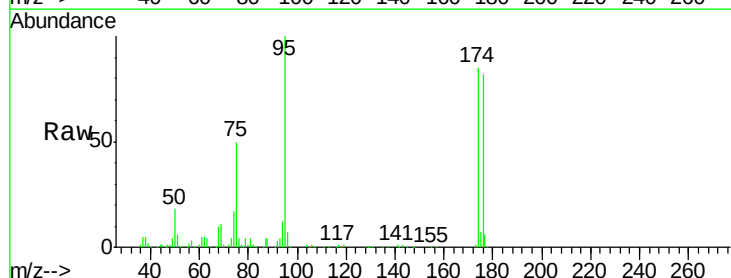
Instrument :
MSVOA_U
ClientSampleId :
DUP-0447-180613

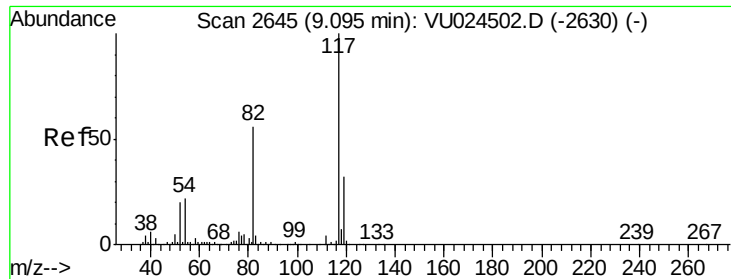
Tgt Ion: 98 Resp: 442037
Ion Ratio Lower Upper
98 100
100 64.0 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 43.435 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU024730.D
Acq: 19 Jun 2018 07:58

Tgt Ion: 95 Resp: 157274
Ion Ratio Lower Upper
95 100
174 86.3 0.0 165.8
176 83.8 0.0 159.4

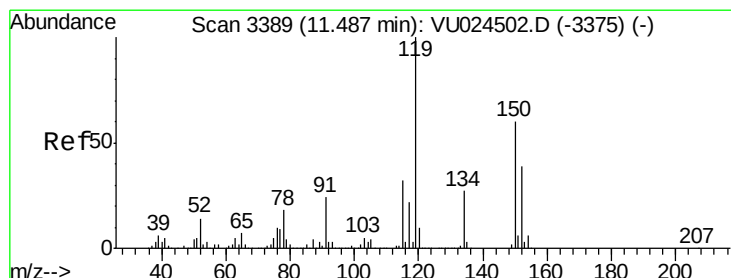
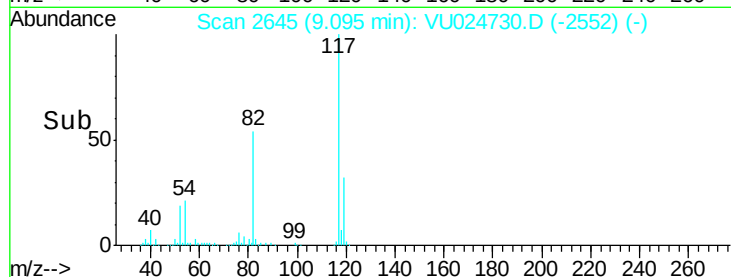
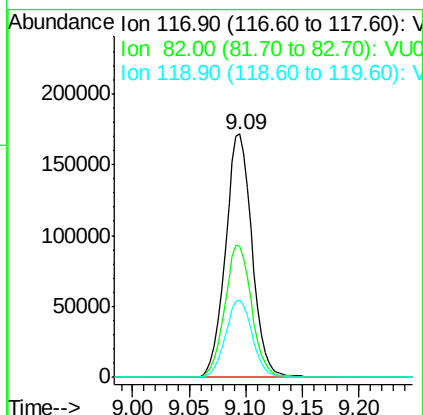
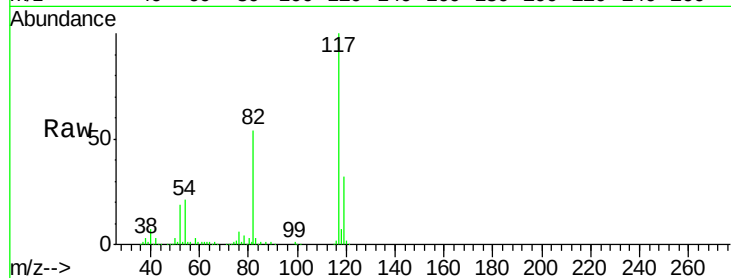




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU024730.D
Acq: 19 Jun 2018 07:58

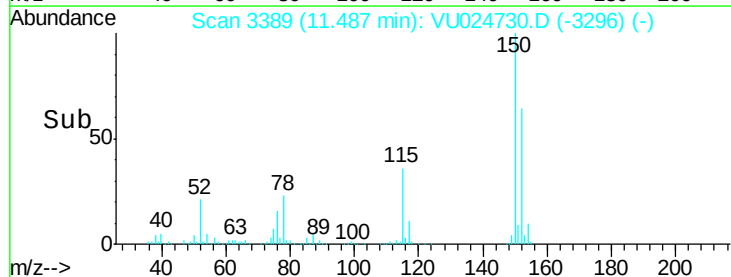
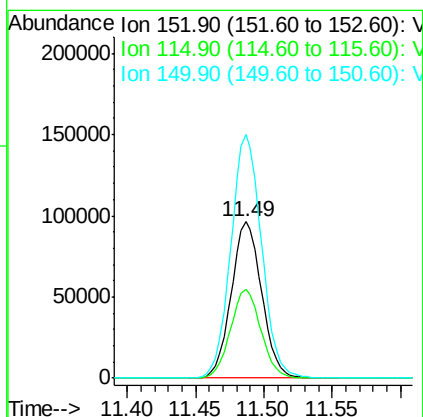
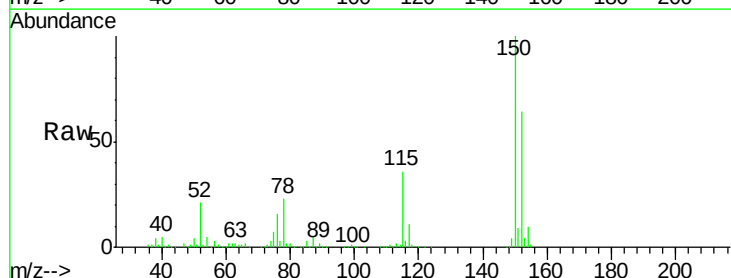
Instrument :
MSVOA_U
ClientSampleId :
DUP-0447-180613

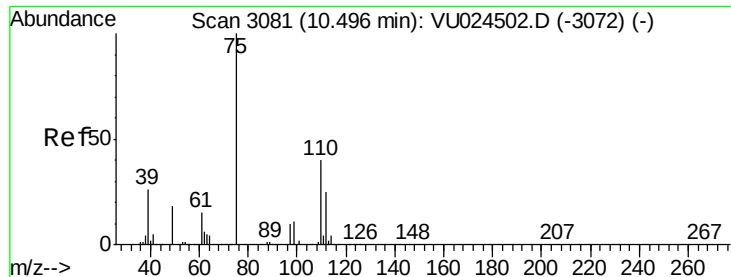
Tgt Ion:117 Resp: 280638
Ion Ratio Lower Upper
117 100
82 54.0 44.3 66.5
119 31.6 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU024730.D
Acq: 19 Jun 2018 07:58

Tgt Ion:152 Resp: 149210
Ion Ratio Lower Upper
152 100
115 56.6 43.0 129.0
150 157.3 0.0 354.0





#76

1,2,3-Trichloropropane

Concen: 24.196 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024730.D

Acq: 19 Jun 2018 07:58

Instrument :

MSVOA_U

ClientSampleId :

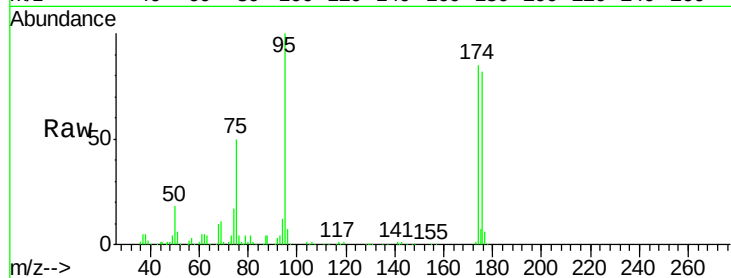
DUP-0447-180613

Tgt Ion: 75 Resp: 79485

Ion Ratio Lower Upper

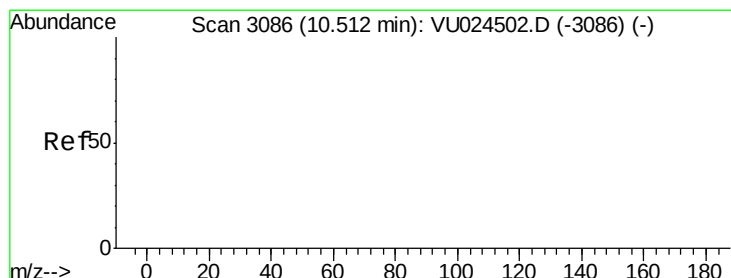
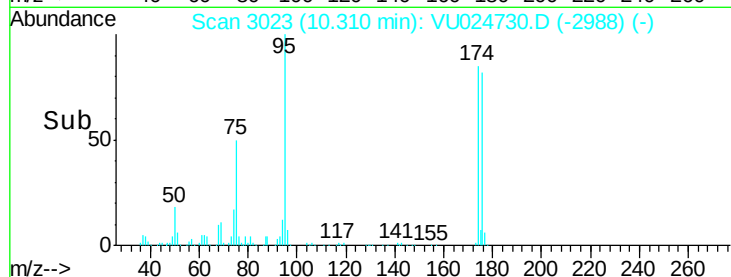
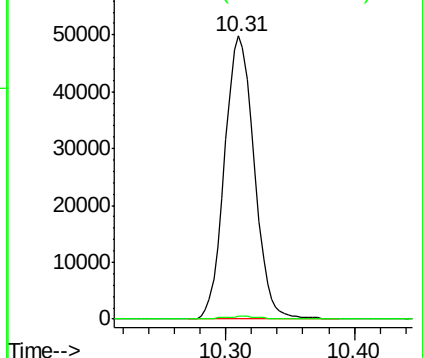
75 100

77 1.2 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: 55.999 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024730.D

Acq: 19 Jun 2018 07:58

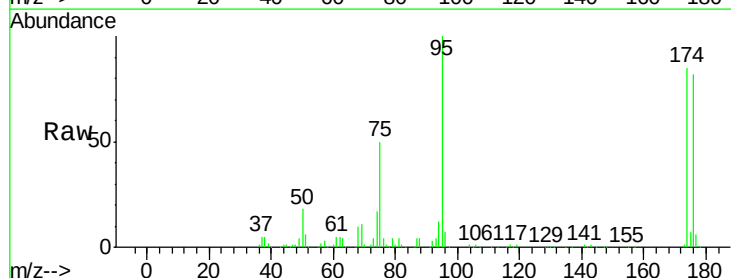
Tgt Ion: 75 Resp: 79485

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

