

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062818\
 Data File : VU025022.D
 Acq On : 28 Jun 2018 15:53
 Operator : MD/SY
 Sample : J3707-23 20X
 Misc : 6.12g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB489-25-27-180622

Quant Time: Jun 29 05:07:12 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

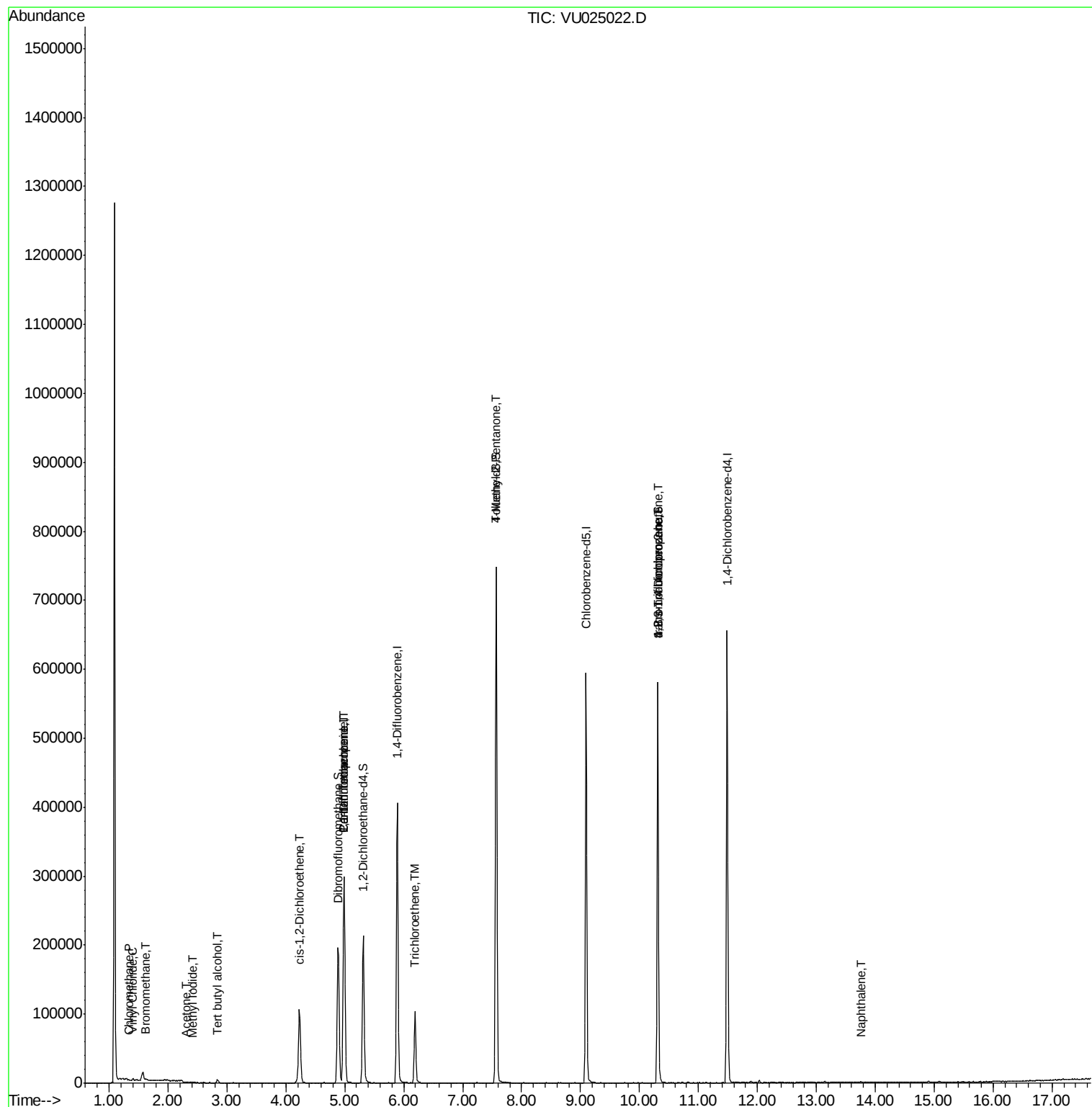
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	231121	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	345563	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	322490	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	173573	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	173933	46.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.20%	
35) Dibromofluoromethane	4.89	113	134167	46.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.56%	
50) Toluene-d8	7.57	98	495682	47.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.76%	
62) 4-Bromofluorobenzene	10.31	95	187991	45.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.52%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	607	0.205	ug/l #	84
4) Vinyl Chloride	1.40	62	1763	0.578	ug/l #	88
5) Bromomethane	1.63	94	410	0.278	ug/l #	78
6) Chloroethane	1.70	64	20	Below Cal	#	43
10) Methyl Iodide	2.41	142	258	5.383	ug/l #	40
11) Tert butyl alcohol	2.84	59	2431	2.649	ug/l #	72
16) Acetone	2.32	43	1077	0.531	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	59672	17.907	ug/l	89
31) Cyclohexane	4.98	56	4557	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	17403	4.286	ug/l #	47
38) Carbon Tetrachloride	4.98	117	22979	5.146	ug/l #	15
44) Trichloroethene	6.19	130	37104	11.268	ug/l	97
51) 4-Methyl-2-Pentanone	7.57	43	2288	0.476	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	96658	25.294	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	96658	58.540	ug/l #	100
95) Naphthalene	13.77	128	2201	0.849	ug/l #	81

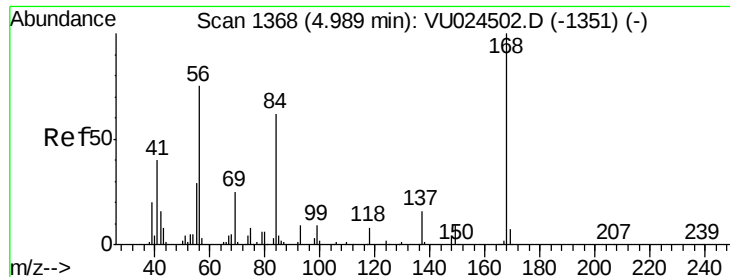
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU025022.D

Acq: 28 Jun 2018 15:53

Instrument :

MSVOA_U

ClientSampleId :

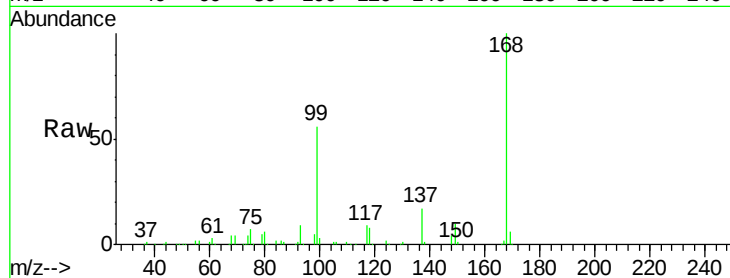
WP021SB489-25-27-180622

Tgt Ion:168 Resp: 231121

Ion Ratio Lower Upper

168 100

99 56.0 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU025022.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU025022.D (-1351) (-)

4.99

120000

100000

80000

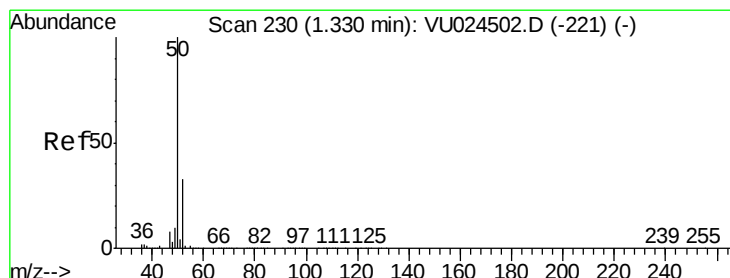
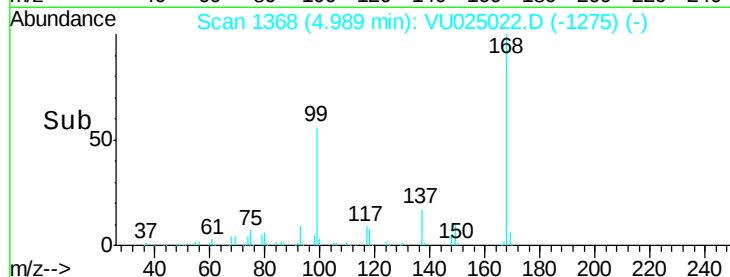
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.205 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025022.D

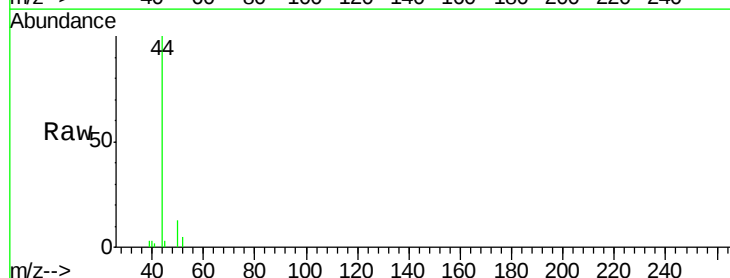
Acq: 28 Jun 2018 15:53

Tgt Ion: 50 Resp: 607

Ion Ratio Lower Upper

50 100

52 41.9 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VU025022.D (-137) (-)

Ion 51.90 (51.60 to 52.60): VU025022.D (-137) (-)

1.33

600

500

400

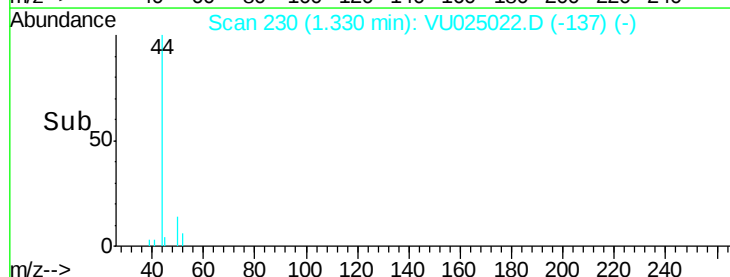
300

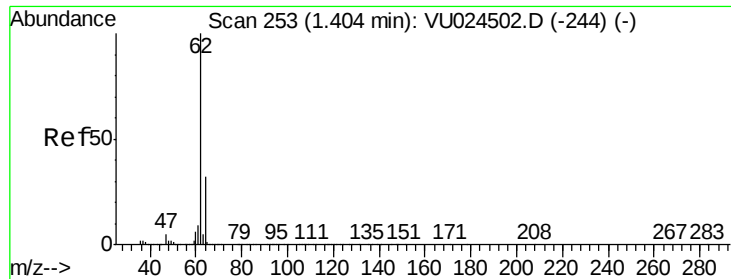
200

100

0

Time-->





#4

Vinyl Chloride

Concen: 0.578 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025022.D

Acq: 28 Jun 2018 15:53

Instrument :

MSVOA_U

ClientSampleId :

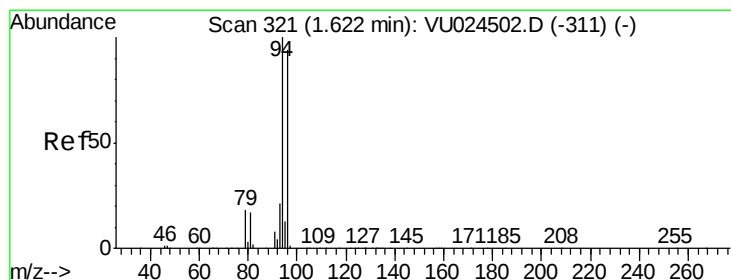
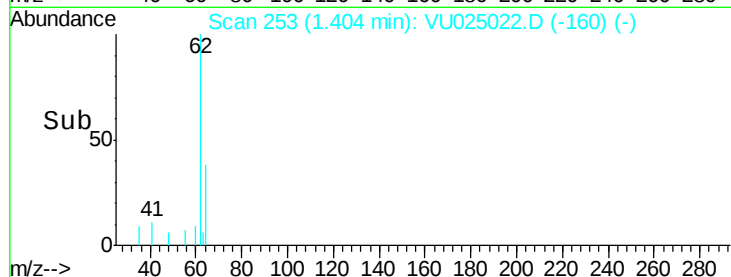
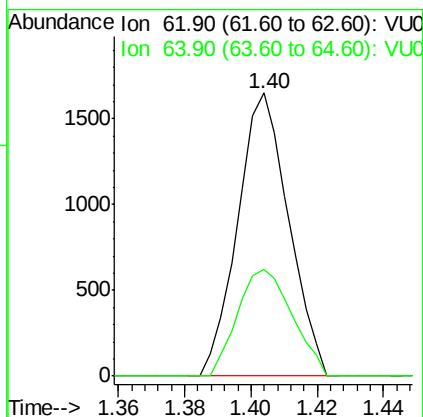
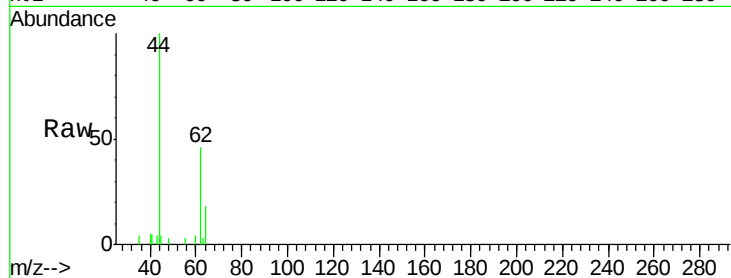
WP021SB489-25-27-180622

Tgt Ion: 62 Resp: 1763

Ion Ratio Lower Upper

62 100

64 37.9 24.8 37.2#



#5

Bromomethane

Concen: 0.278 ug/l

RT: 1.63 min Scan# 323

Delta R.T. 0.01 min

Lab File: VU025022.D

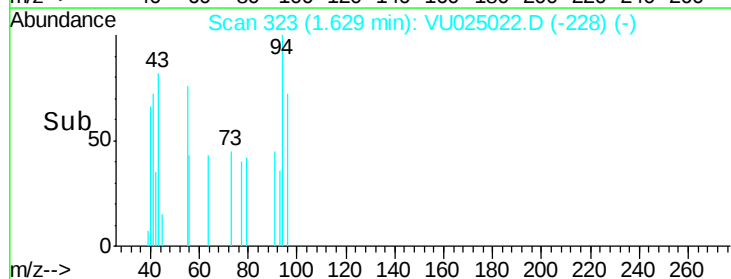
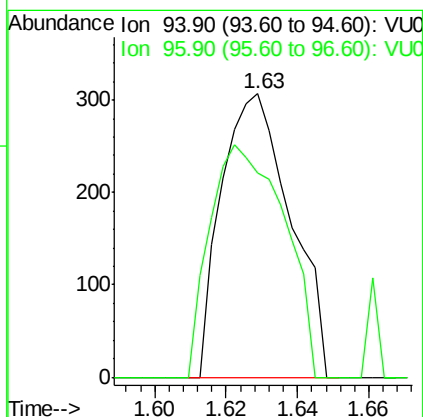
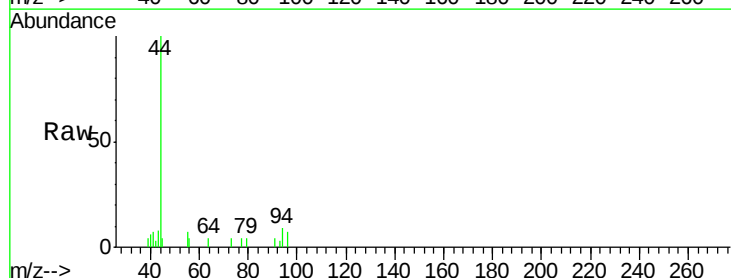
Acq: 28 Jun 2018 15:53

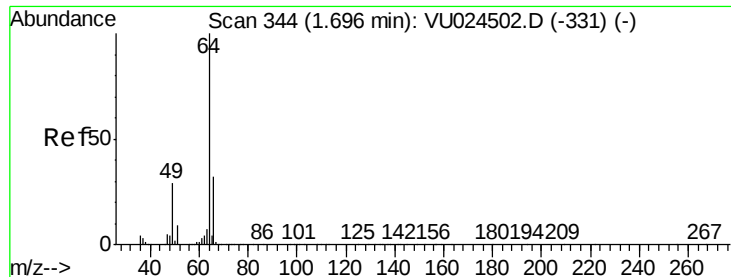
Tgt Ion: 94 Resp: 410

Ion Ratio Lower Upper

94 100

96 72.0 74.5 111.7#





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU025022.D

Acq: 28 Jun 2018 15:53

Instrument :

MSVOA_U

ClientSampleId :

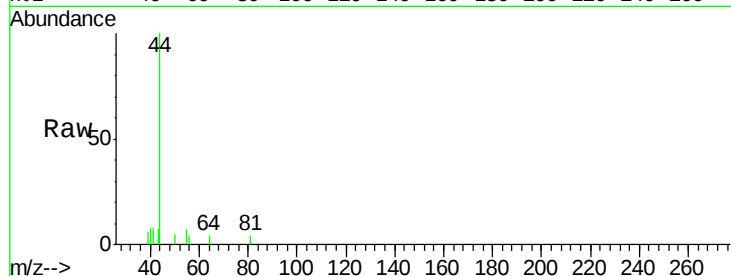
WP021SB489-25-27-180622

Tgt Ion: 64 Resp: 20

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

1.70

100

80

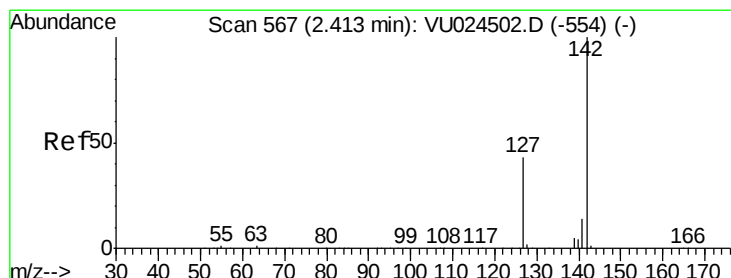
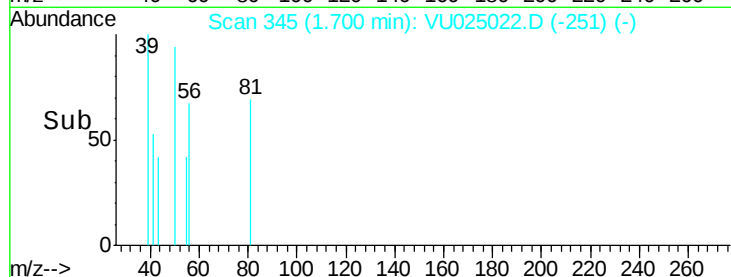
60

40

20

0

Time--> 1.69 1.70 1.70 1.71 1.71



#10

Methyl Iodide

Concen: 5.383 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU025022.D

Acq: 28 Jun 2018 15:53

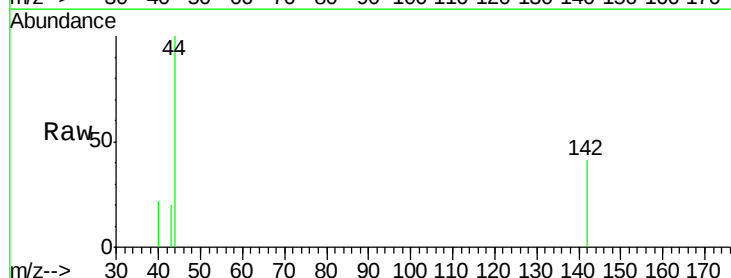
Tgt Ion: 142 Resp: 258

Ion Ratio Lower Upper

142 100

127 0.0 35.6 53.4#

141 0.0 11.7 17.5#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

300

250

200

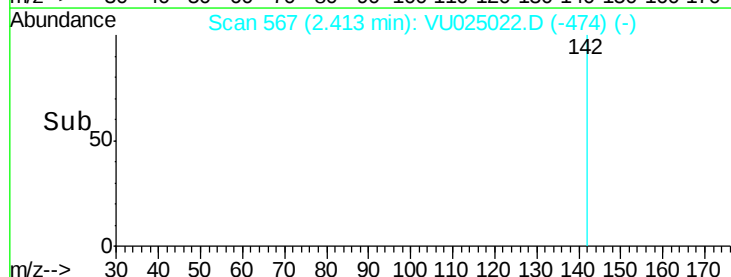
150

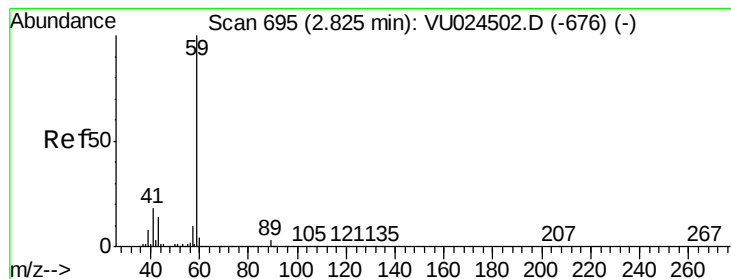
100

50

0

Time--> 2.40 2.42 2.44



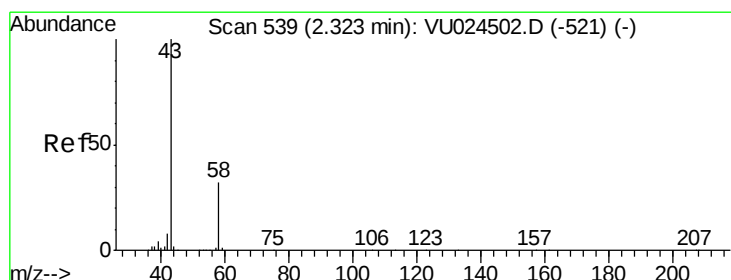
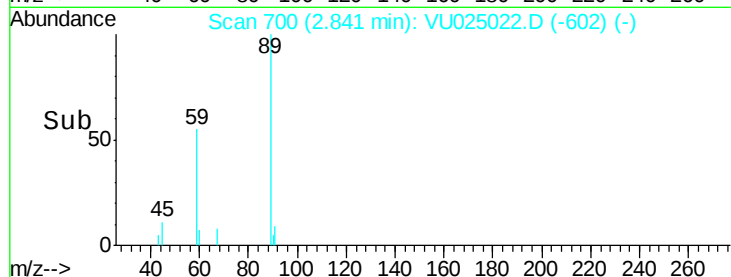
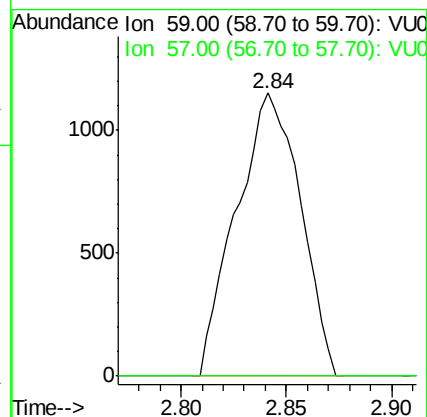
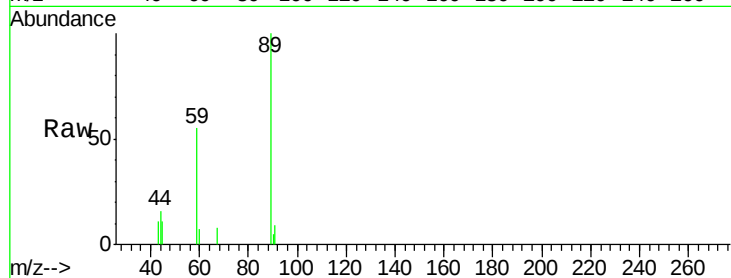


#11

Tert butyl alcohol
 Concen: 2.649 ug/l
 RT: 2.84 min Scan# 700
 Delta R.T. 0.02 min
 Lab File: VU025022.D
 Acq: 28 Jun 2018 15:53

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB489-25-27-180622

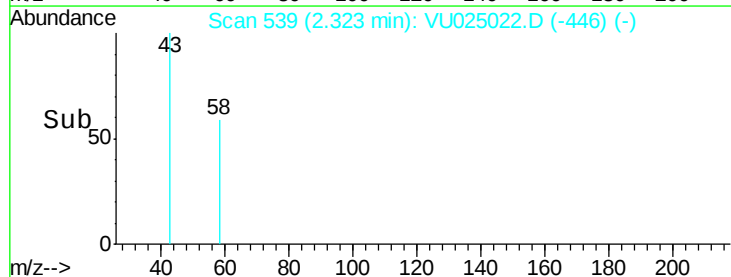
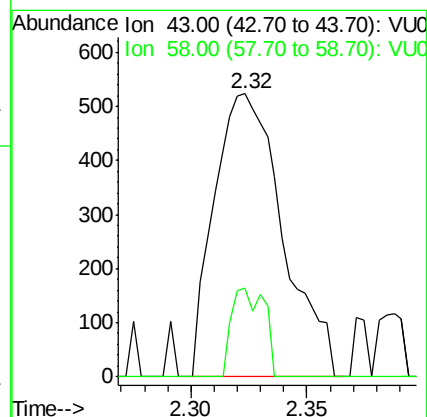
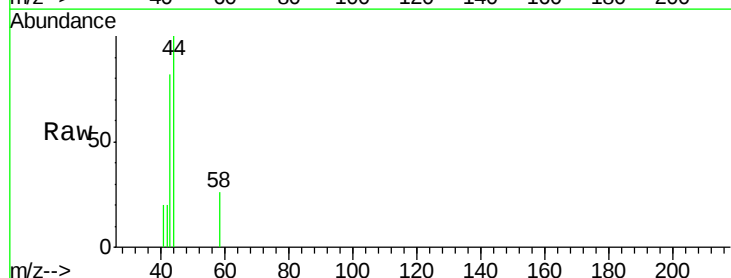
Tgt Ion: 59 Resp: 2431
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

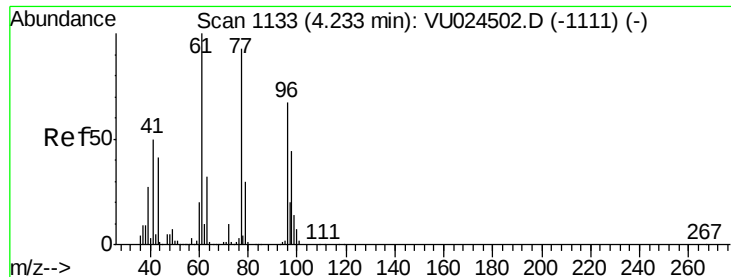


#16

Acetone
 Concen: 0.531 ug/l
 RT: 2.32 min Scan# 539
 Delta R.T. 0.00 min
 Lab File: VU025022.D
 Acq: 28 Jun 2018 15:53

Tgt Ion: 43 Resp: 1077
 Ion Ratio Lower Upper
 43 100
 58 31.2 24.4 36.6





#27

cis-1,2-Dichloroethene

Concen: 17.907 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025022.D

Acq: 28 Jun 2018 15:53

Instrument :

MSVOA_U

ClientSampleId :

WP021SB489-25-27-180622

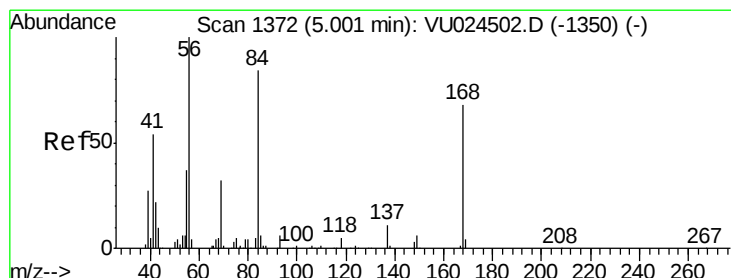
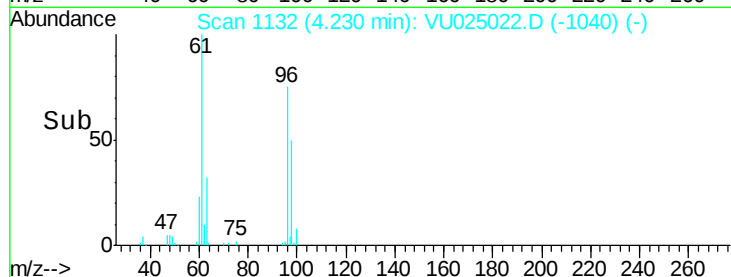
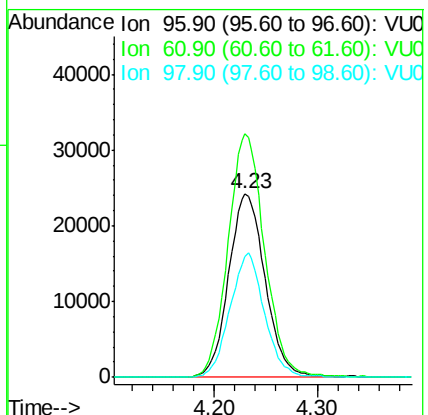
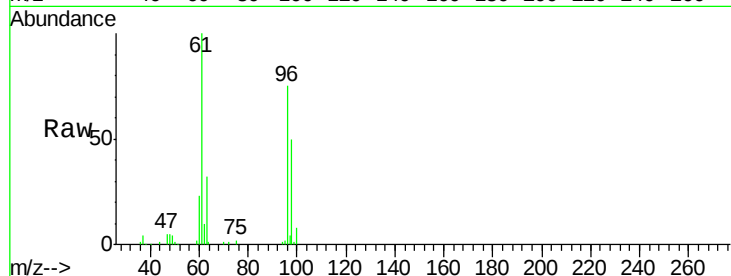
Tgt Ion: 96 Resp: 59672

Ion Ratio Lower Upper

96 100

61 132.9 0.0 306.6

98 64.1 0.0 128.8



#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1366

Delta R.T. -0.02 min

Lab File: VU025022.D

Acq: 28 Jun 2018 15:53

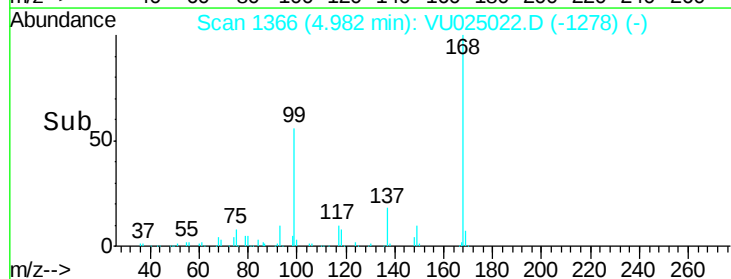
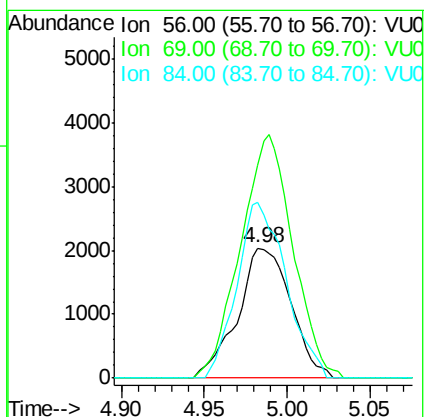
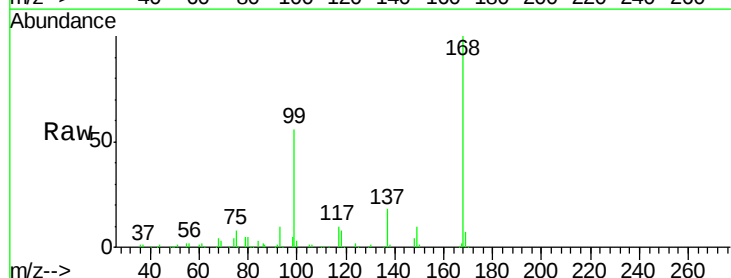
Tgt Ion: 56 Resp: 4557

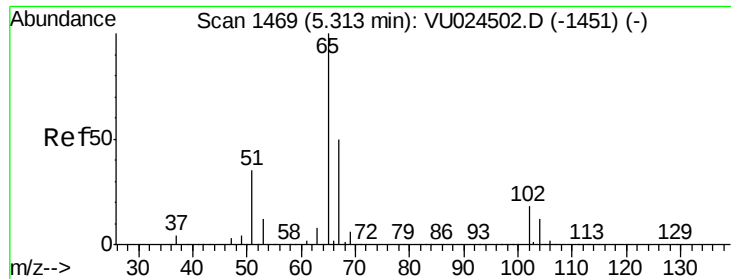
Ion Ratio Lower Upper

56 100

69 163.7 24.8 37.2#

84 135.4 65.2 97.8#

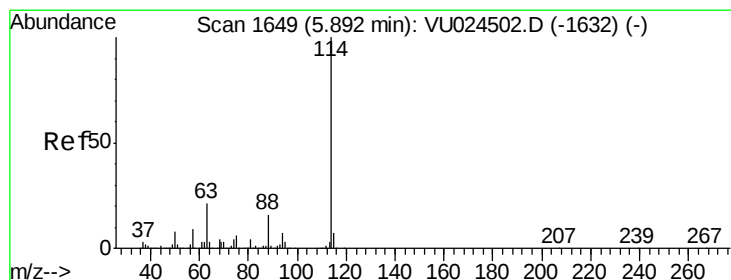
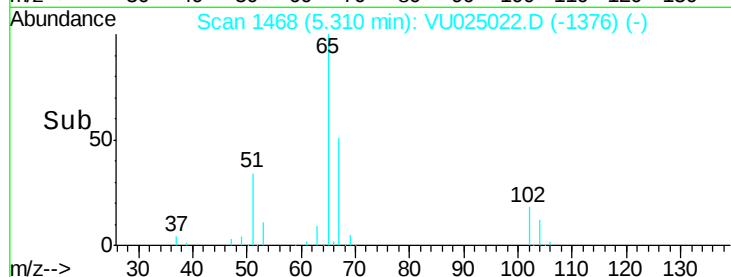
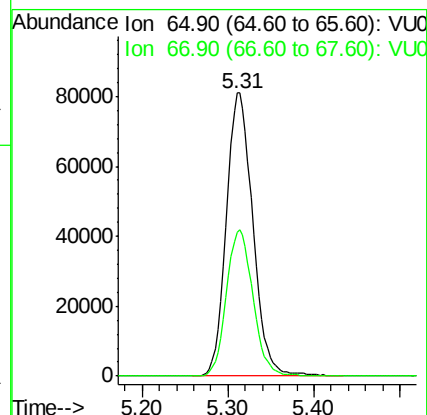
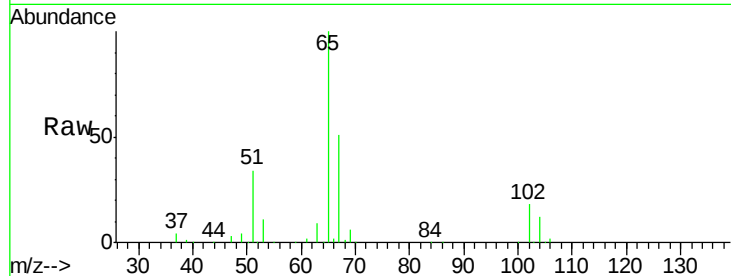




#33
 1,2-Dichloroethane-d4
 Concen: 46.098 ug/l
 RT: 5.31 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: VU025022.D
 Acq: 28 Jun 2018 15:53

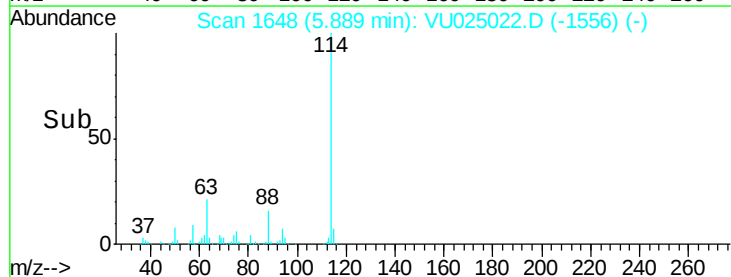
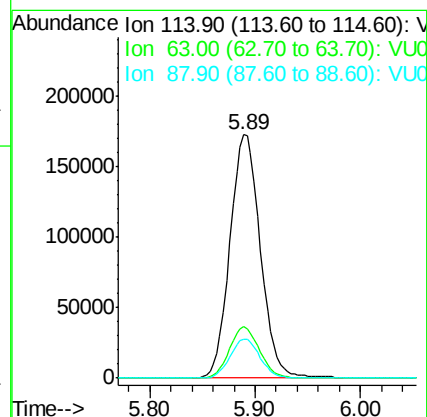
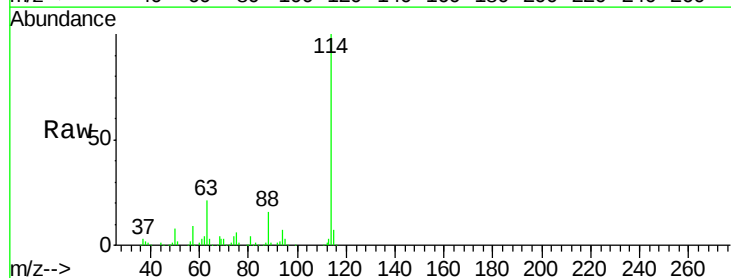
Instrument :
 MSVOA_U
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 WP021SB489-25-27-180622

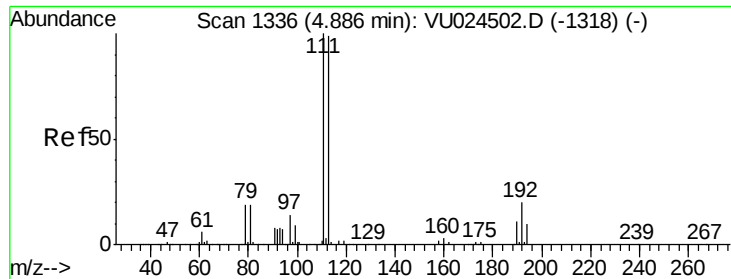
Tgt Ion: 65 Resp: 173933
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025022.D
 Acq: 28 Jun 2018 15:53

Tgt Ion: 114 Resp: 345563
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 45.4
 88 16.1 0.0 31.0





#35

Dibromofluoromethane

Concen: 46.782 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU025022.D

Acq: 28 Jun 2018 15:53

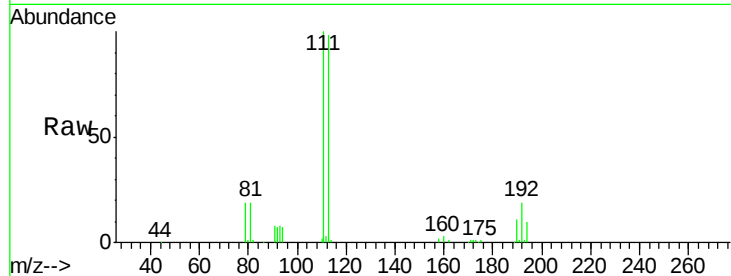
Instrument :

MSVOA_U

ClientSampleId :

WP021SB489-25-27-180622

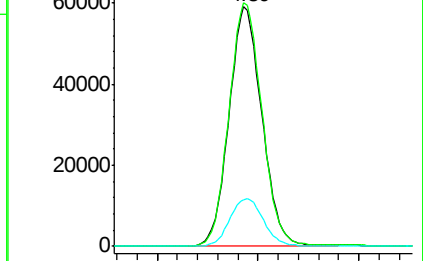
Tgt Ion:	113	Resp:	134167
Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.2	123.4
192	20.3	16.2	24.4



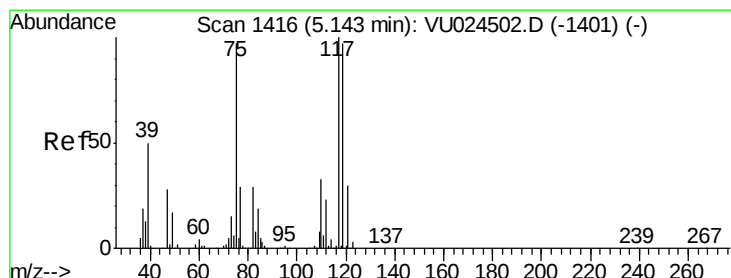
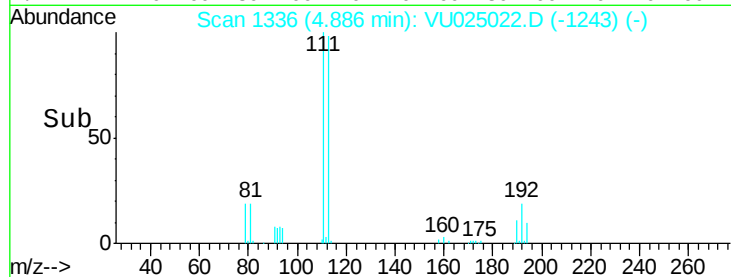
Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



Time-->



#36

1,1-Dichloropropene

Concen: 4.286 ug/l

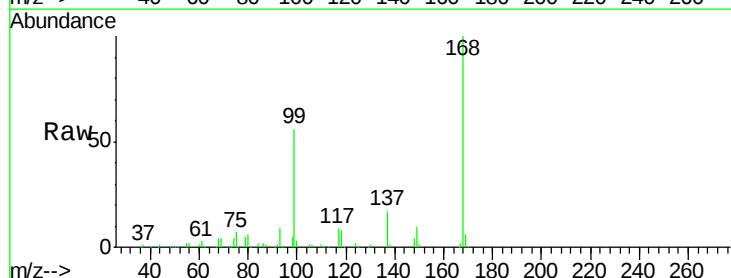
RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025022.D

Acq: 28 Jun 2018 15:53

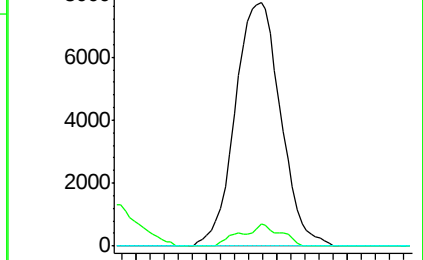
Tgt Ion:	75	Resp:	17403
Ion	Ratio	Lower	Upper
75	100		
110	5.4	17.0	50.9#
77	0.0	24.2	36.4#



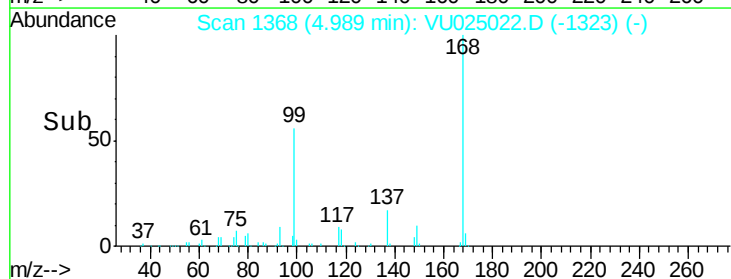
Abundance Ion 74.90 (74.60 to 75.60): VU0

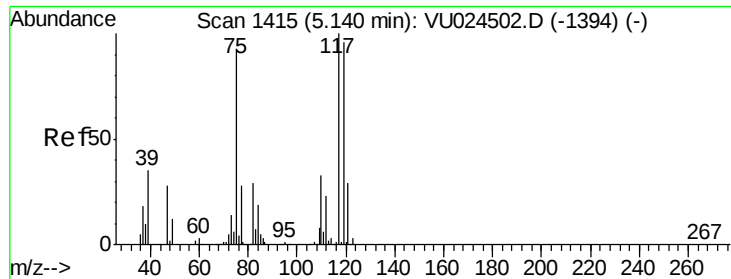
Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0



Time-->





#38

Carbon Tetrachloride

Concen: 5.146 ug/l

RT: 4.98 min Scan# 1366

Delta R.T. -0.16 min

Lab File: VU025022.D

Acq: 28 Jun 2018 15:53

Instrument :

MSVOA_U

ClientSampleId :

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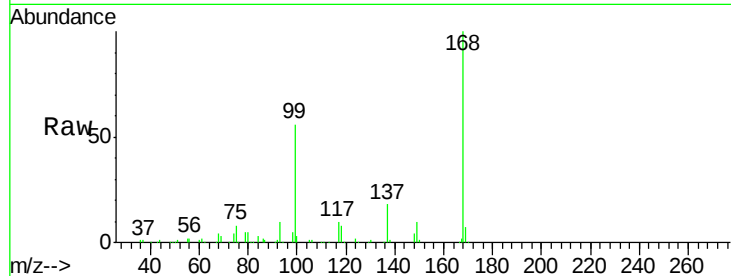
Tgt Ion:117 Resp: 22979

Ion Ratio Lower Upper

117 100

119 3.8 76.1 114.1#

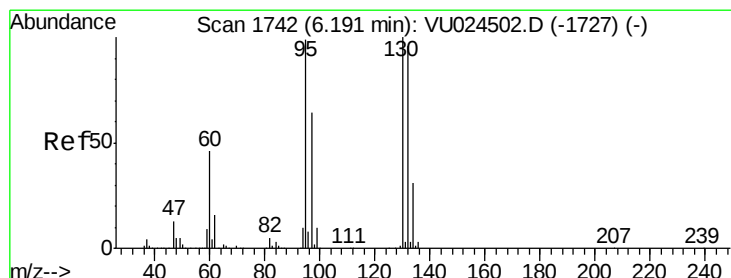
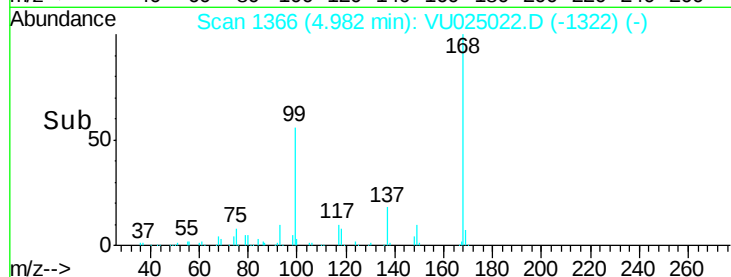
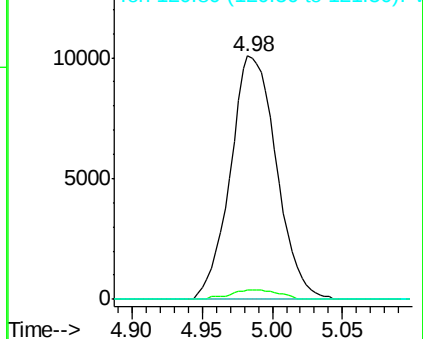
121 0.0 23.7 35.5#



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



#44

Trichloroethene

Concen: 11.268 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025022.D

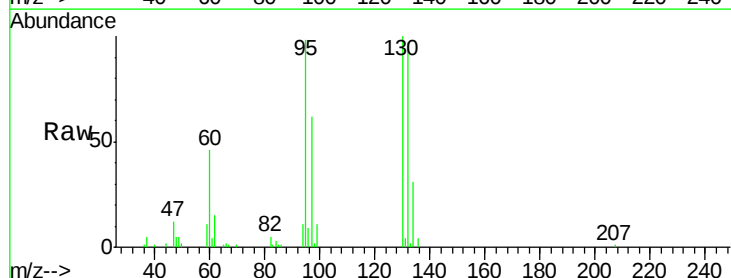
Acq: 28 Jun 2018 15:53

Tgt Ion:130 Resp: 37104

Ion Ratio Lower Upper

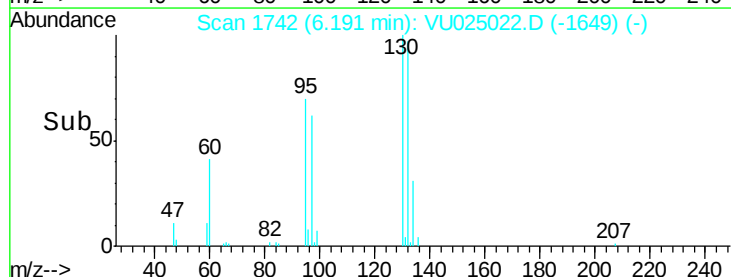
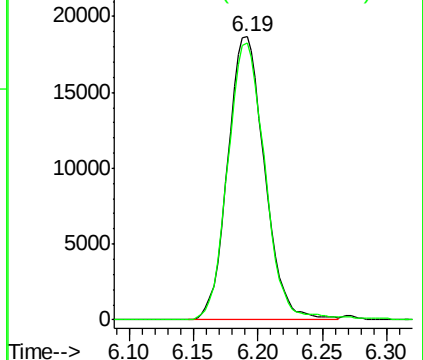
130 100

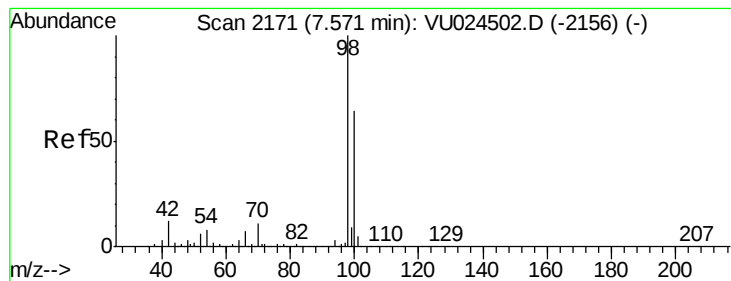
95 97.9 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0





#50

Toluene-d8

Concen: 47.384 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU025022.D

Acq: 28 Jun 2018 15:53

Instrument :

MSVOA_U

ClientSampleId :

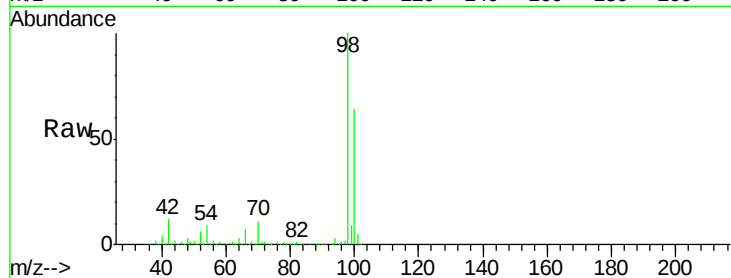
WP021SB489-25-27-180622

Tgt Ion: 98 Resp: 495682

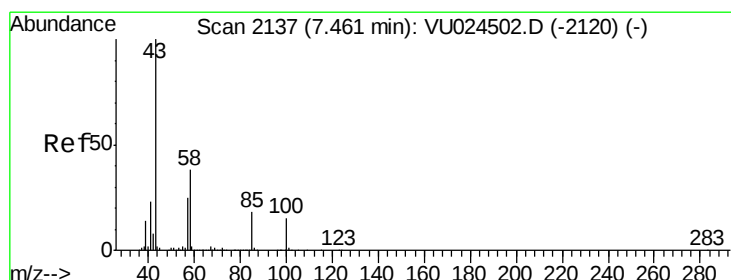
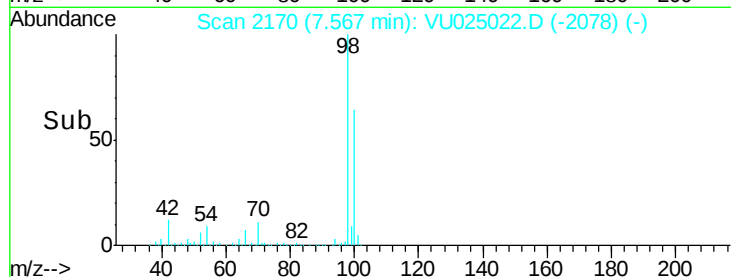
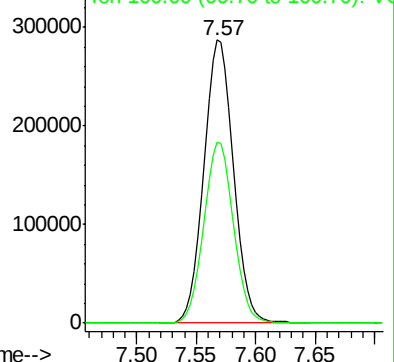
Ion Ratio Lower Upper

98 100

100 64.2 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU024502.D (-2156) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.476 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. 0.11 min

Lab File: VU025022.D

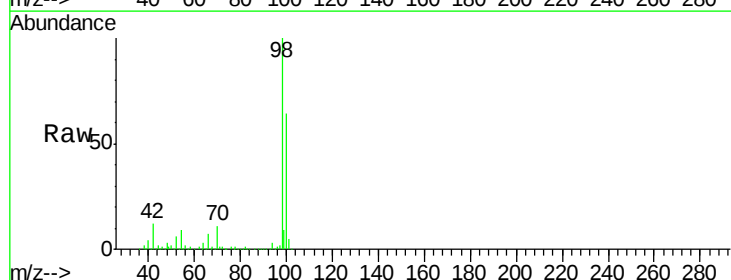
Acq: 28 Jun 2018 15:53

Tgt Ion: 43 Resp: 2288

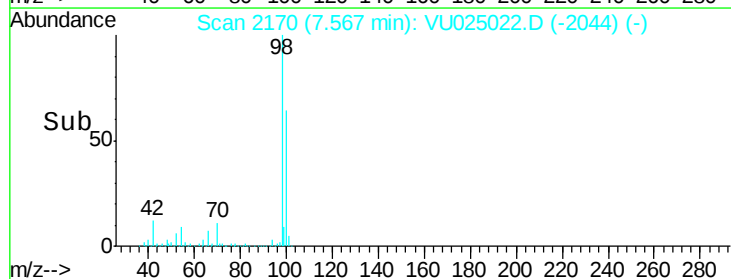
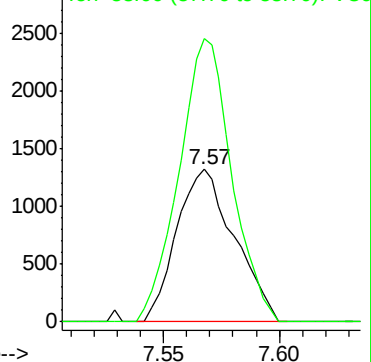
Ion Ratio Lower Upper

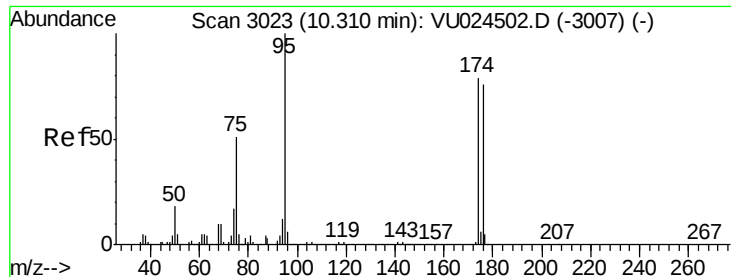
43 100

58 168.7 30.0 45.0#



Abundance Ion 43.00 (42.70 to 43.70): VU024502.D (-2120) (-)





#62

4-Bromofluorobenzene

Concen: 45.262 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025022.D

Acq: 28 Jun 2018 15:53

Instrument :

MSVOA_U

ClientSampleId :

WP021SB489-25-27-180622

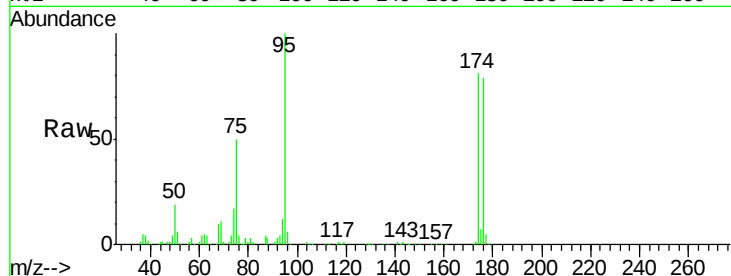
Tgt Ion: 95 Resp: 187991

Ion Ratio Lower Upper

95 100

174 83.9 0.0 165.8

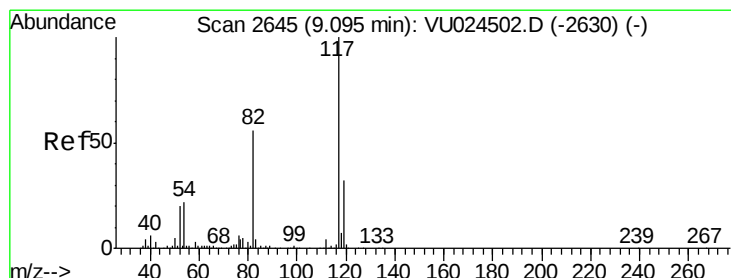
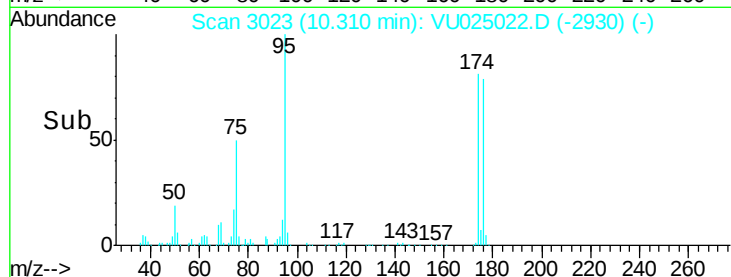
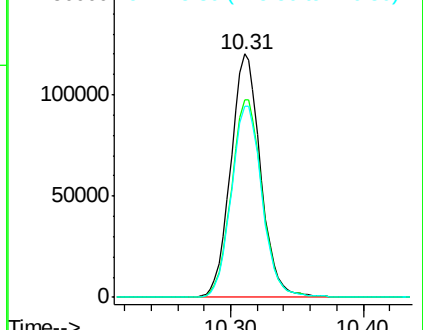
176 81.0 0.0 159.4



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VU025022.D

Acq: 28 Jun 2018 15:53

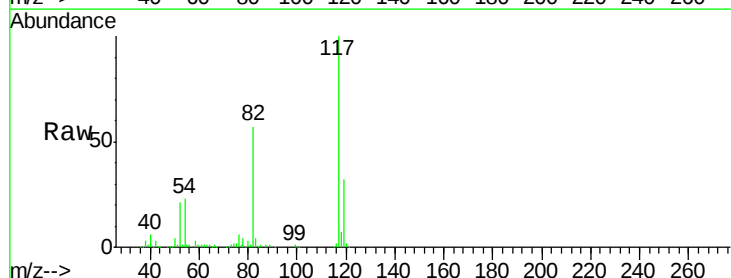
Tgt Ion: 117 Resp: 322490

Ion Ratio Lower Upper

117 100

82 57.2 44.3 66.5

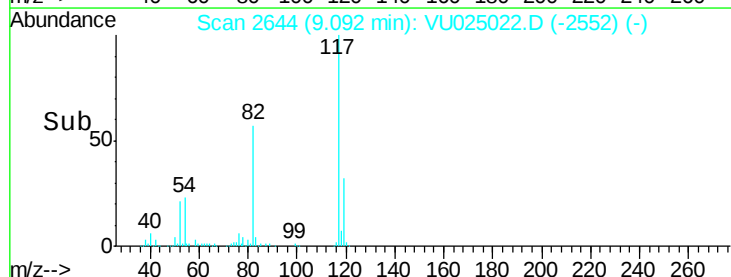
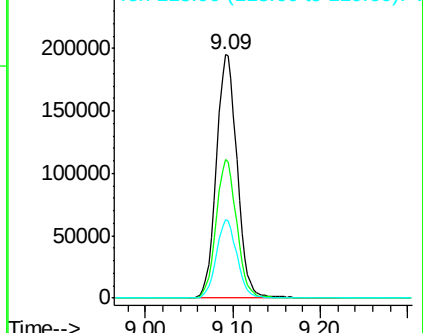
119 32.2 25.4 38.2

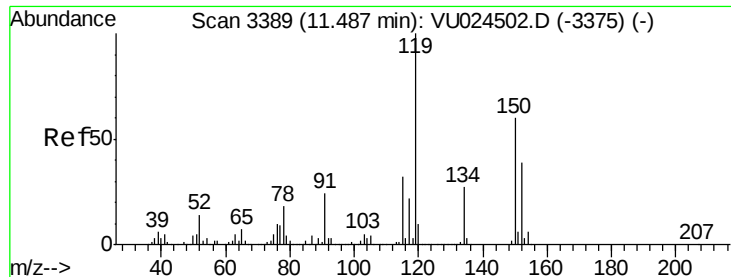


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025022.D

Acq: 28 Jun 2018 15:53

Instrument :

MSVOA_U

ClientSampleId :

WP021SB489-25-27-180622

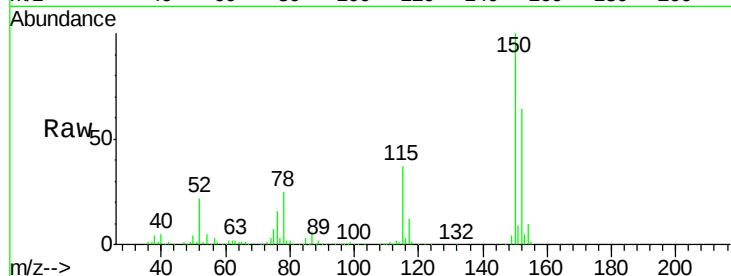
Tgt Ion:152 Resp: 173573

Ion Ratio Lower Upper

152 100

115 57.3 43.0 129.0

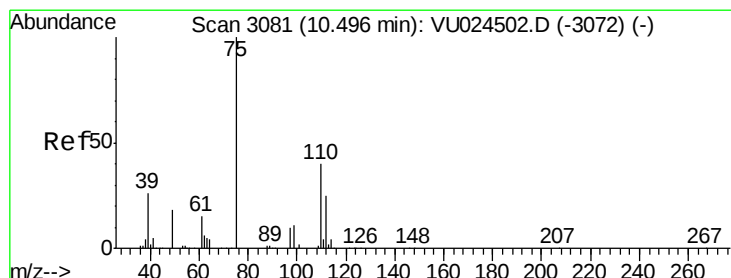
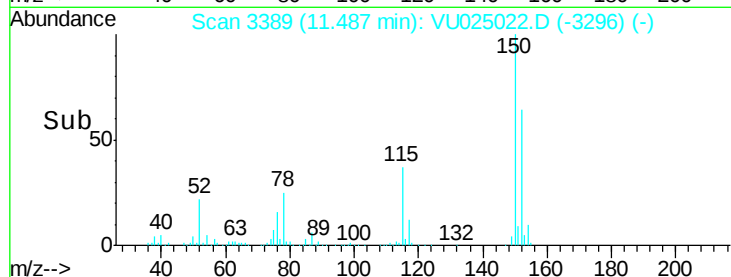
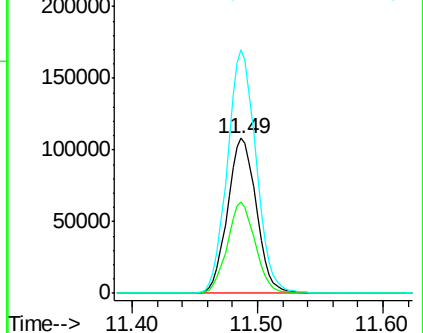
150 156.8 0.0 354.0



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: 25.294 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025022.D

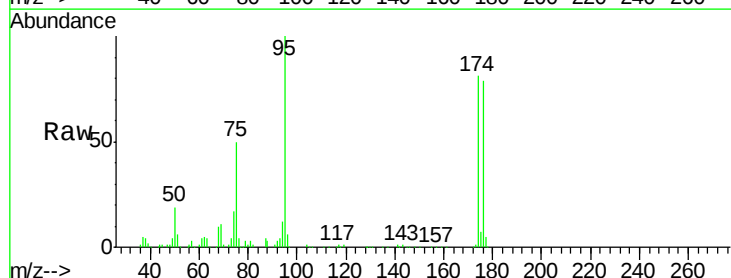
Acq: 28 Jun 2018 15:53

Tgt Ion: 75 Resp: 96658

Ion Ratio Lower Upper

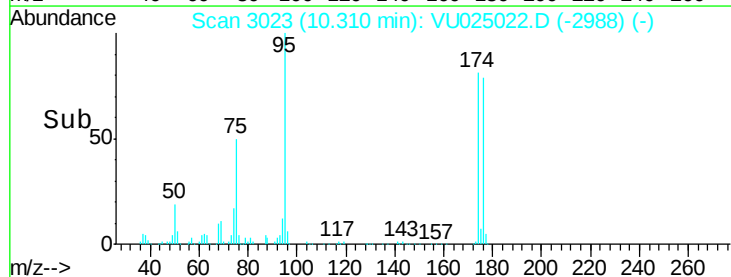
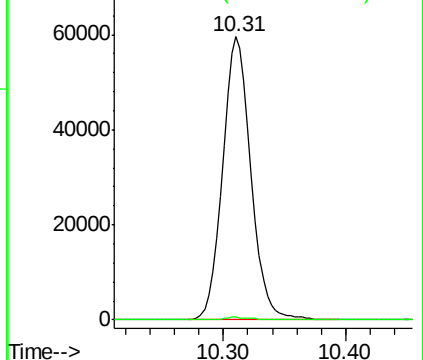
75 100

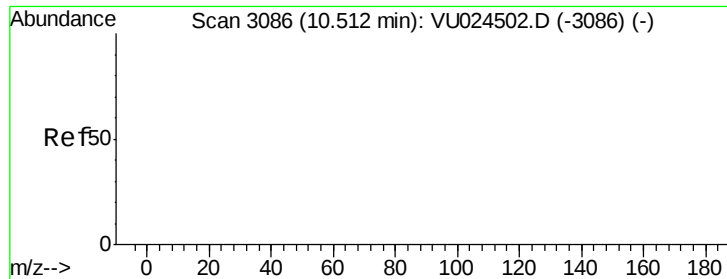
77 0.9 20.9 62.7#



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: 58.540 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025022.D

Acq: 28 Jun 2018 15:53

Instrument :

MSVOA_U

ClientSampleId :

WP021SB489-25-27-180622

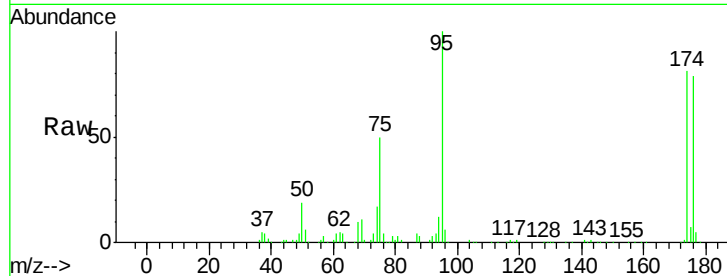
Tgt Ion: 75 Resp: 96658

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

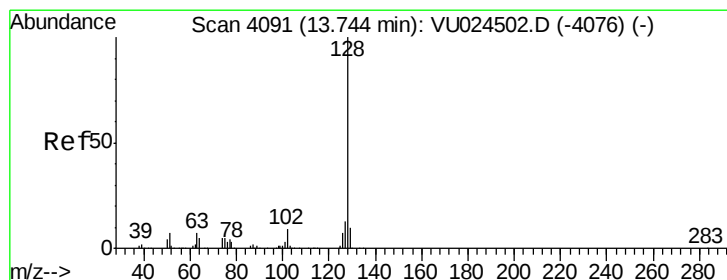
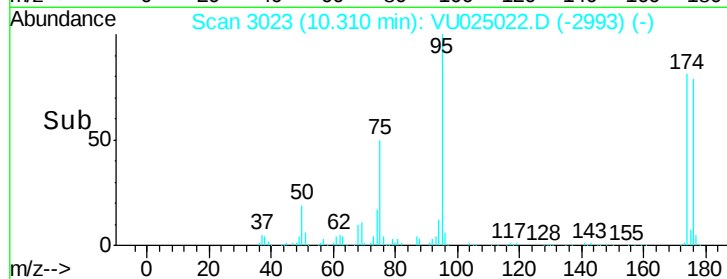
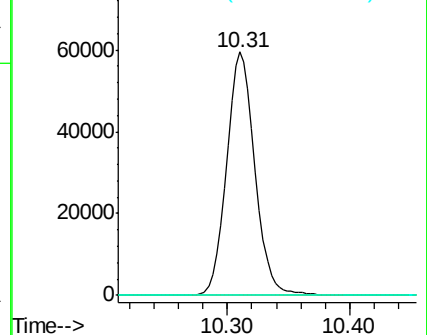
89 0.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VU024502.D (-3086) (-)

Ion 53.00 (52.70 to 53.70): VU024502.D (-3086) (-)

Ion 88.90 (88.60 to 89.60): VU024502.D (-3086) (-)



#95

Naphthalene

Concen: 0.849 ug/l

RT: 13.77 min Scan# 4098

Delta R.T. 0.02 min

Lab File: VU025022.D

Acq: 28 Jun 2018 15:53

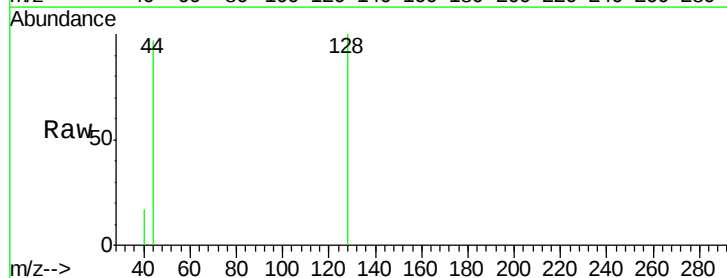
Tgt Ion: 128 Resp: 2201

Ion Ratio Lower Upper

128 100

127 6.1 10.6 16.0#

129 3.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VU024502.D (-4076) (-)

Ion 127.00 (126.70 to 127.70): VU024502.D (-4076) (-)

Ion 129.00 (128.70 to 129.70): VU024502.D (-4076) (-)

