

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062818\
 Data File : VU025023.D
 Acq On : 28 Jun 2018 16:17
 Operator : MD/SY
 Sample : J3707-24 20X
 Misc : 6.07g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB489-27-29-180622

Quant Time: Jun 29 05:07:25 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

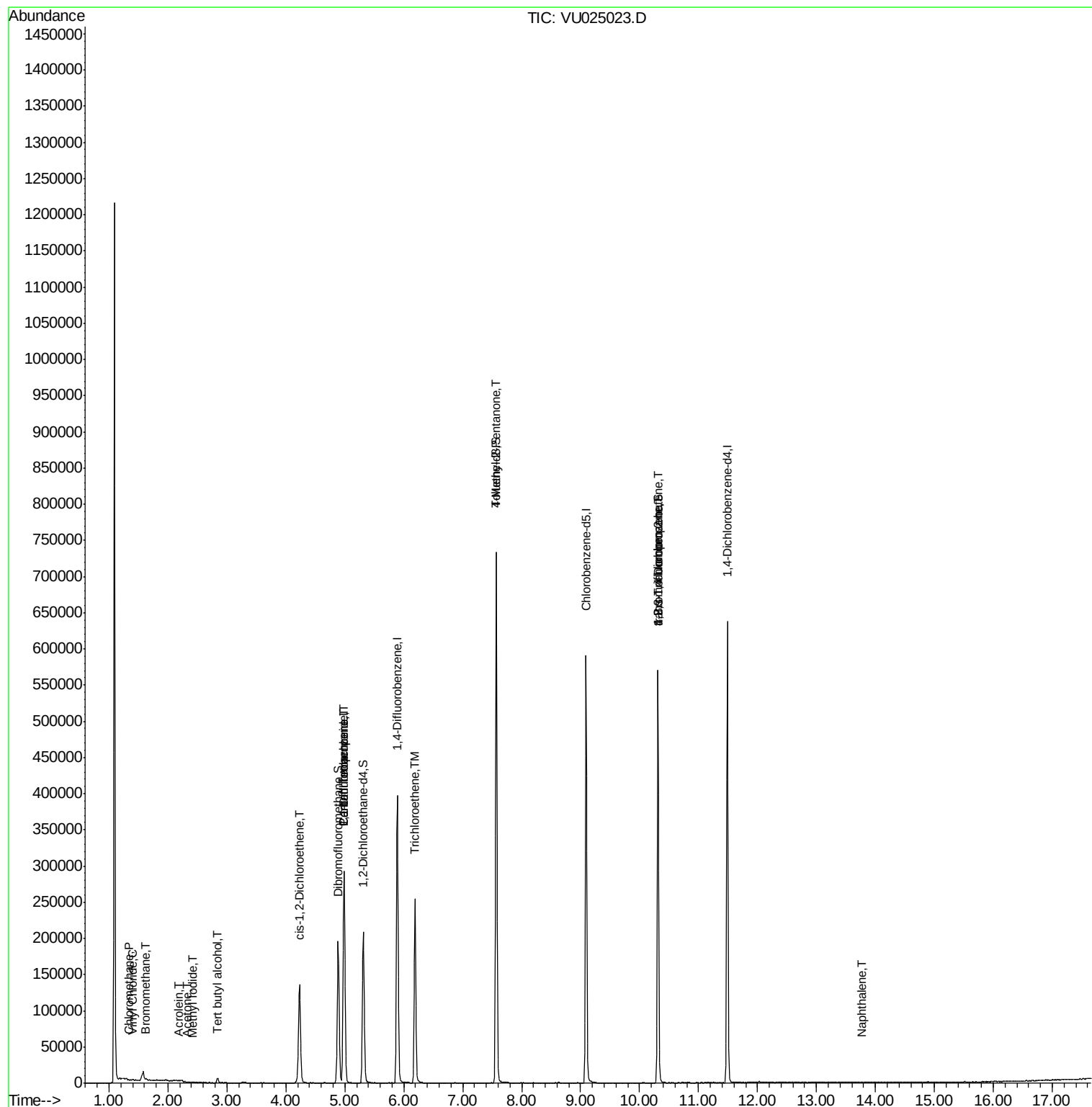
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	224529	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	336624	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	311727	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	167408	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	171203	46.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.42%	
35) Dibromofluoromethane	4.89	113	131770	47.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.34%	
50) Toluene-d8	7.57	98	490390	48.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.24%	
62) 4-Bromofluorobenzene	10.31	95	183945	45.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.92%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	706	0.246	ug/l	89
4) Vinyl Chloride	1.40	62	612	0.207	ug/l	97
5) Bromomethane	1.62	94	466	0.326	ug/l	89
6) Chloroethane	1.69	64	120	Below Cal	#	43
10) Methyl Iodide	2.42	142	159	5.348	ug/l #	40
11) Tert butyl alcohol	2.84	59	3505	3.932	ug/l #	75
13) Acrolein	2.19	56	94	0.201	ug/l #	13
16) Acetone	2.32	43	1058	0.537	ug/l	96
27) cis-1,2-Dichloroethene	4.23	96	75349	23.276	ug/l	89
31) Cyclohexane	4.99	56	4521	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	16761	4.237	ug/l #	50
38) Carbon Tetrachloride	4.99	117	21732	4.996	ug/l #	16
44) Trichloroethene	6.19	130	91642	28.569	ug/l	98
51) 4-Methyl-2-Pentanone	7.57	43	2449	0.523	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	95816	25.997	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	95816	60.167	ug/l #	100
95) Naphthalene	13.77	128	1636	0.810	ug/l #	80

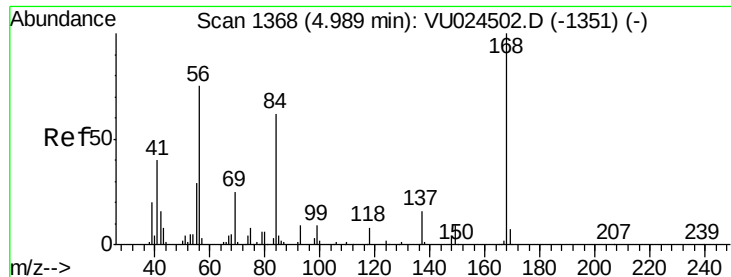
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU025023.D

Acq: 28 Jun 2018 16:17

Instrument :

MSVOA_U

ClientSampleId :

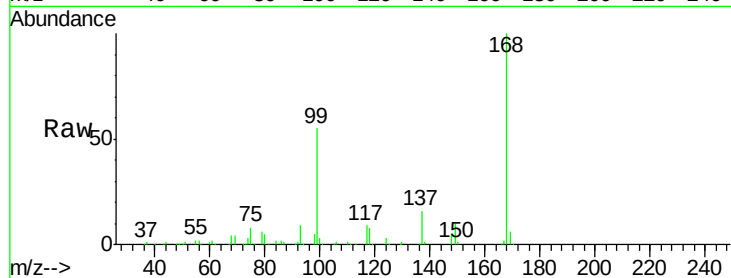
WP021SB489-27-29-180622

Tgt Ion:168 Resp: 224529

Ion Ratio Lower Upper

168 100

99 55.0 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) (-)

4.99

120000

100000

80000

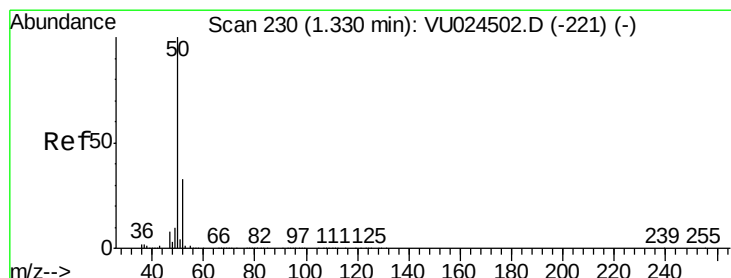
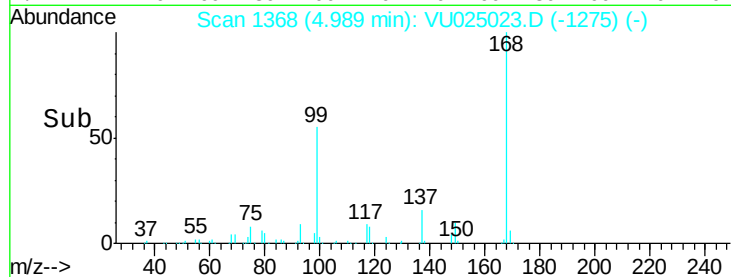
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.246 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025023.D

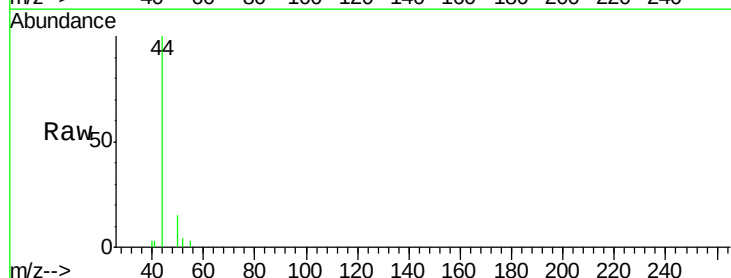
Acq: 28 Jun 2018 16:17

Tgt Ion: 50 Resp: 706

Ion Ratio Lower Upper

50 100

52 26.9 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) (-)

1.33

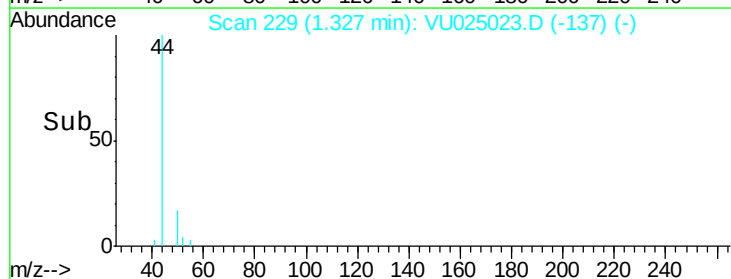
600

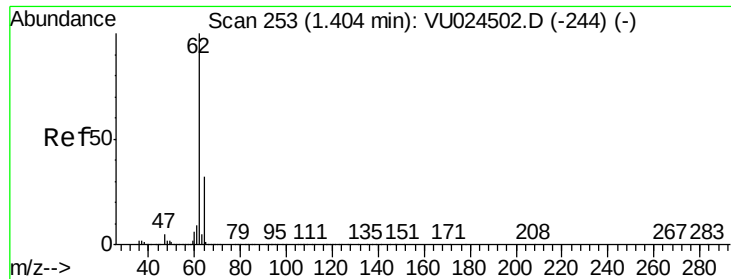
400

200

0

Time-->





#4

Vinyl Chloride

Concen: 0.207 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025023.D

Acq: 28 Jun 2018 16:17

Instrument :

MSVOA_U

ClientSampleId :

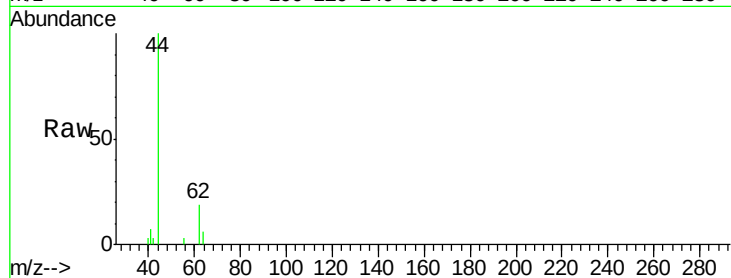
WP021SB489-27-29-180622

Tgt Ion: 62 Resp: 612

Ion Ratio Lower Upper

62 100

64 32.9 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

1.40

600

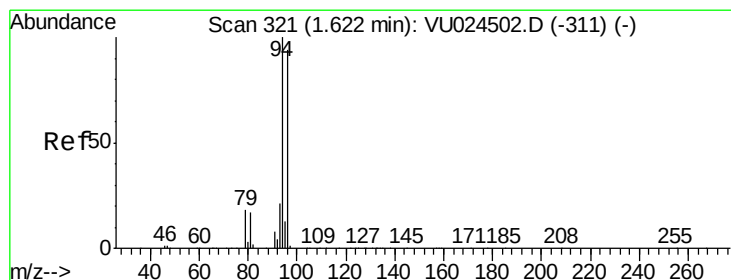
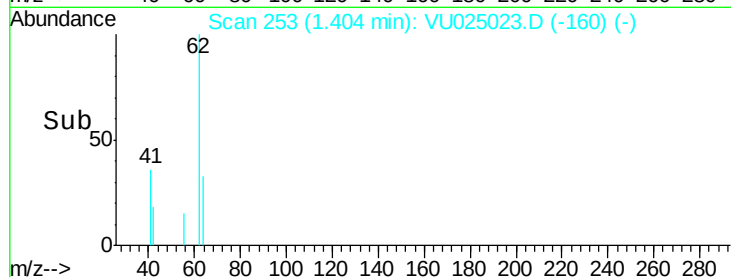
400

200

0

1.38 1.40 1.42

Time-->



#5

Bromomethane

Concen: 0.326 ug/l

RT: 1.62 min Scan# 320

Delta R.T. -0.00 min

Lab File: VU025023.D

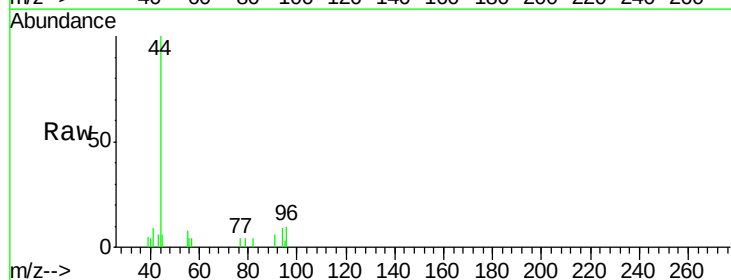
Acq: 28 Jun 2018 16:17

Tgt Ion: 94 Resp: 466

Ion Ratio Lower Upper

94 100

96 103.8 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.62

300

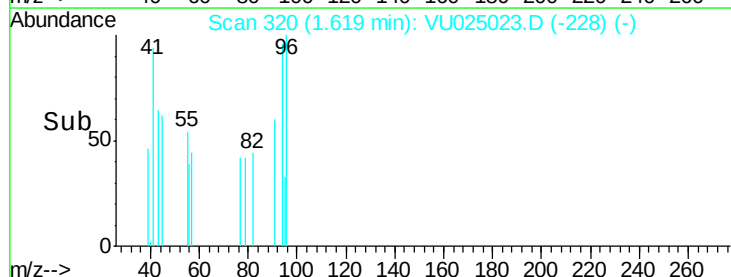
200

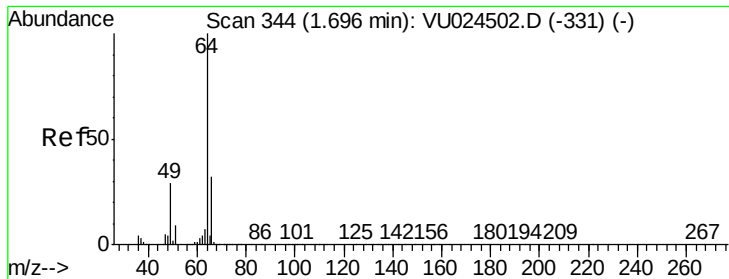
100

0

1.60 1.62 1.64 1.66

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 343

Delta R.T. -0.00 min

Lab File: VU025023.D

Acq: 28 Jun 2018 16:17

Instrument :

MSVOA_U

ClientSampleId :

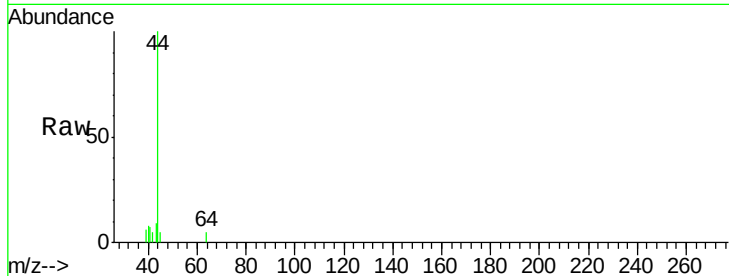
WP021SB489-27-29-180622

Tgt Ion: 64 Resp: 120

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

1.69

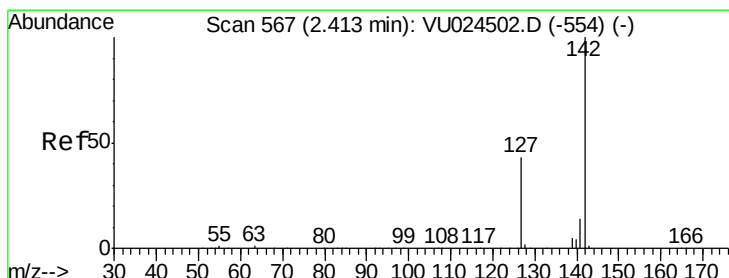
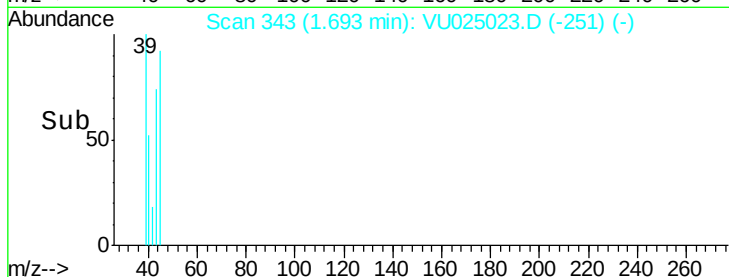
150

100

50

0

Time-->



#10

Methyl Iodide

Concen: 5.348 ug/l

RT: 2.42 min Scan# 570

Delta R.T. 0.01 min

Lab File: VU025023.D

Acq: 28 Jun 2018 16:17

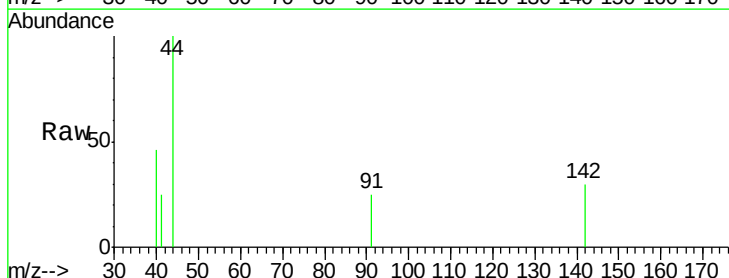
Tgt Ion: 142 Resp: 159

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

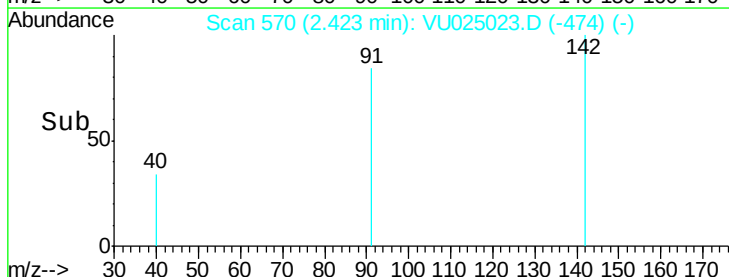
150

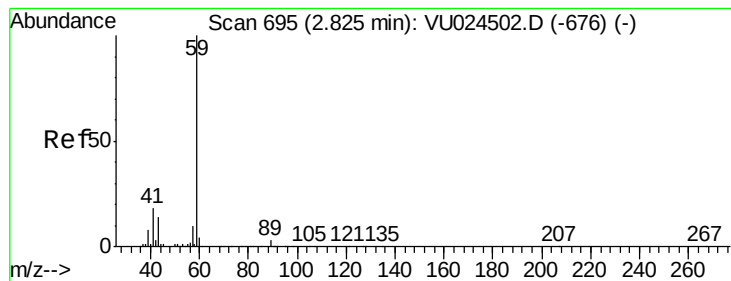
100

50

0

Time-->



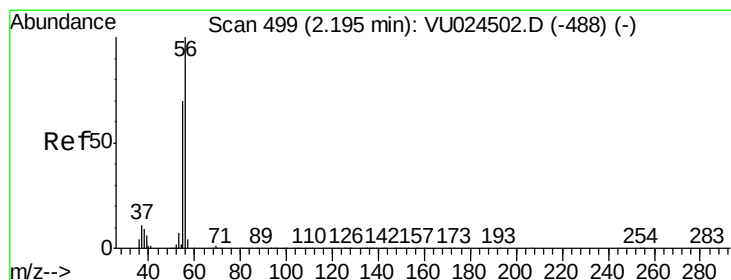
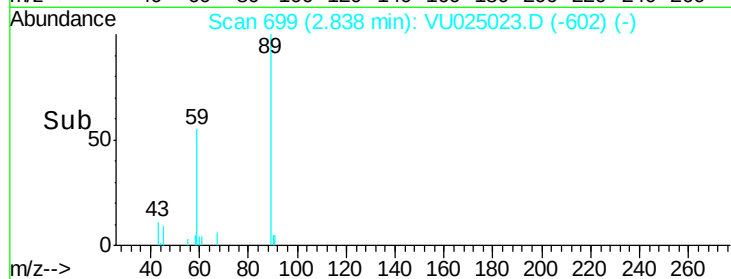
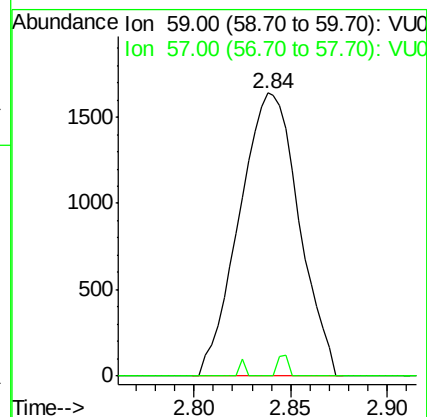
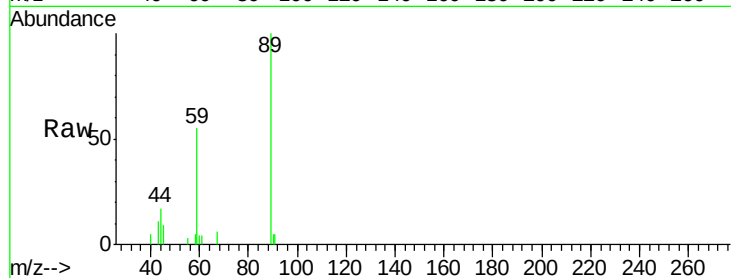


#11

Tert butyl alcohol
 Concen: 3.932 ug/l
 RT: 2.84 min Scan# 699
 Delta R.T. 0.01 min
 Lab File: VU025023.D
 Acq: 28 Jun 2018 16:17

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB489-27-29-180622

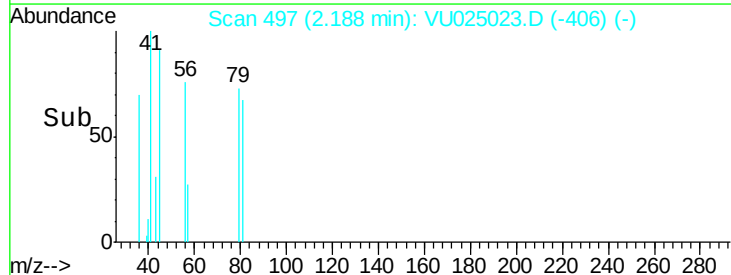
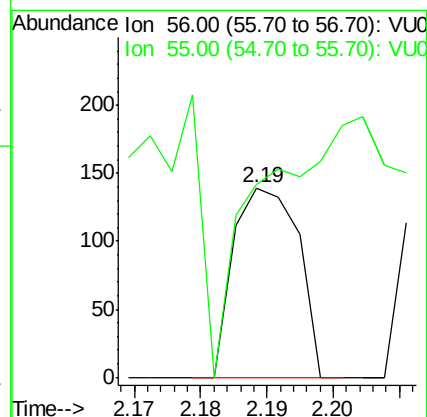
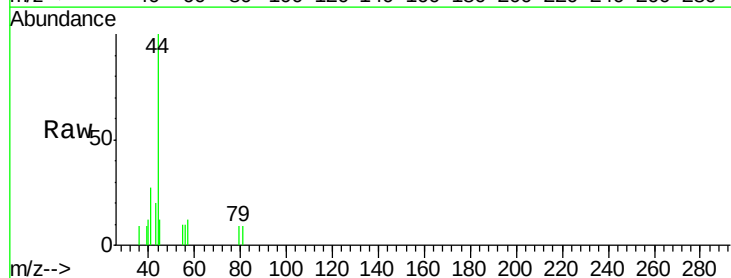
Tgt Ion: 59 Resp: 3505
 Ion Ratio Lower Upper
 59 100
 57 1.3 8.5 12.7#

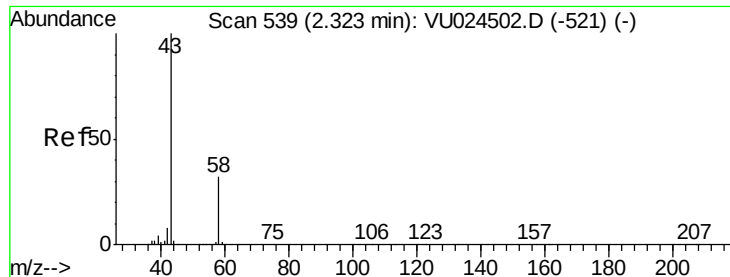


#13

Acrolein
 Concen: 0.201 ug/l
 RT: 2.19 min Scan# 497
 Delta R.T. -0.01 min
 Lab File: VU025023.D
 Acq: 28 Jun 2018 16:17

Tgt Ion: 56 Resp: 94
 Ion Ratio Lower Upper
 56 100
 55 0.0 58.4 87.6#





#16

Acetone

Concen: 0.537 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025023.D

Acq: 28 Jun 2018 16:17

Instrument :

MSVOA_U

ClientSampleId :

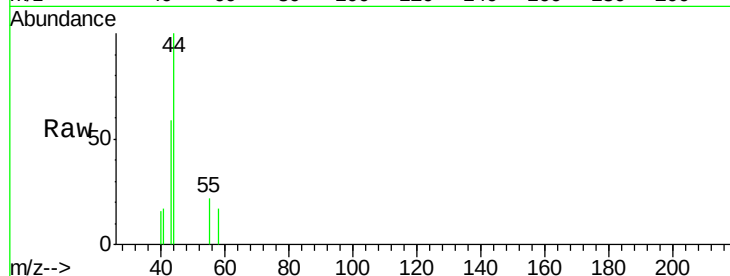
WP021SB489-27-29-180622

Tgt Ion: 43 Resp: 1058

Ion Ratio Lower Upper

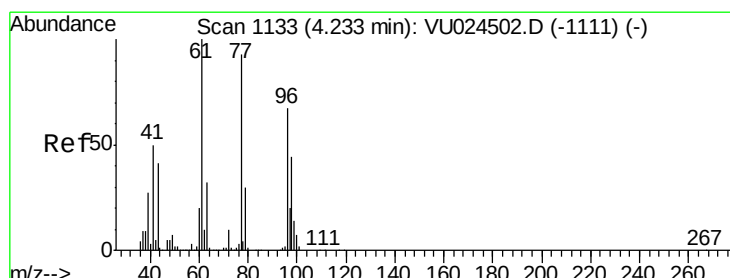
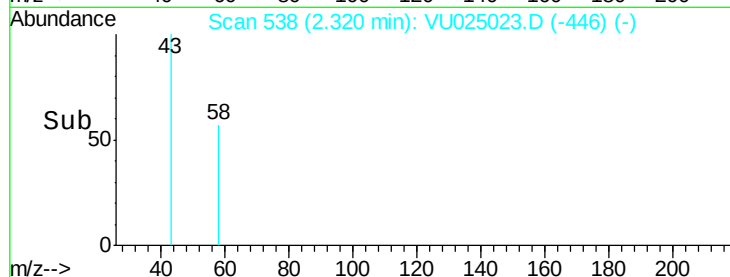
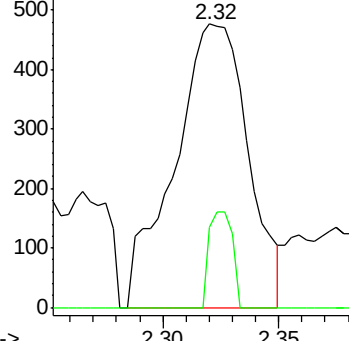
43 100

58 28.1 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#27

cis-1,2-Dichloroethene

Concen: 23.276 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025023.D

Acq: 28 Jun 2018 16:17

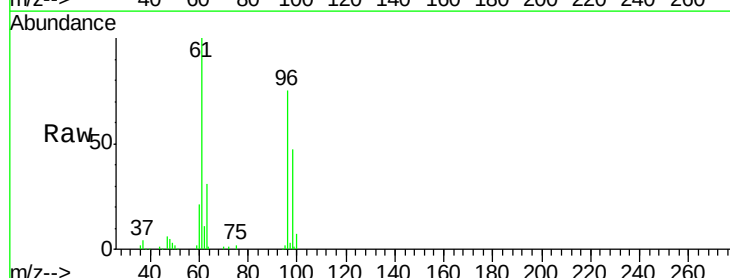
Tgt Ion: 96 Resp: 75349

Ion Ratio Lower Upper

96 100

61 133.0 0.0 306.6

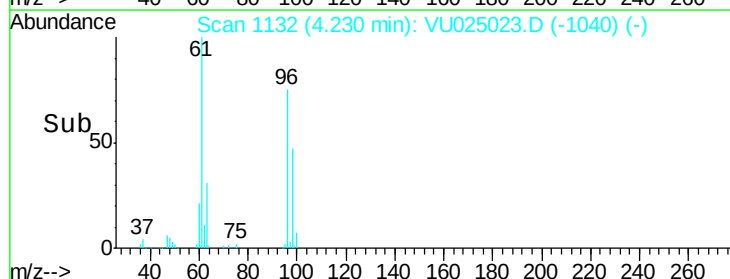
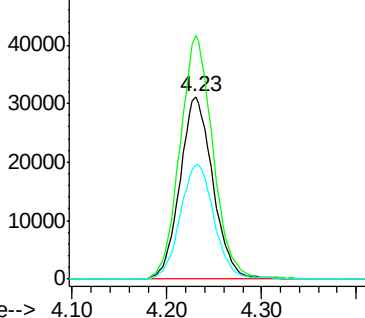
98 64.6 0.0 128.8

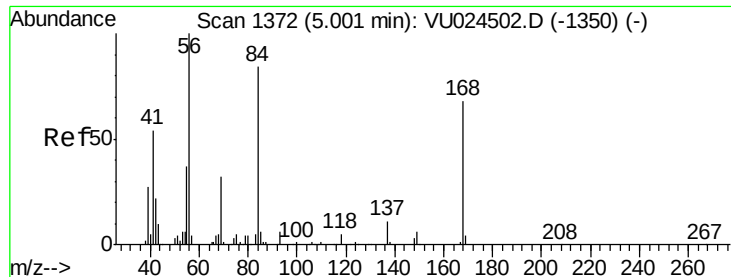


Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

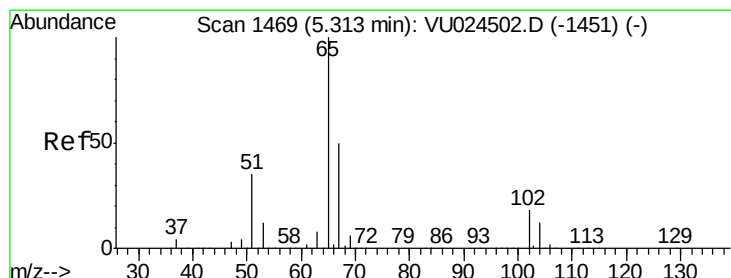
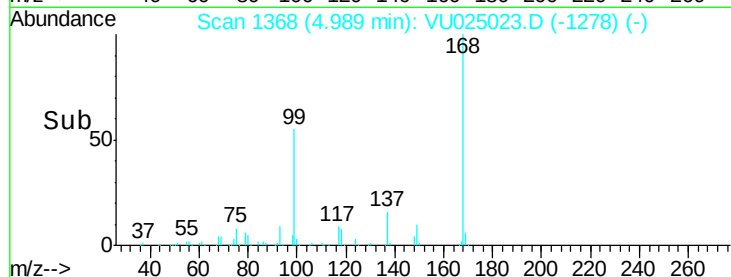
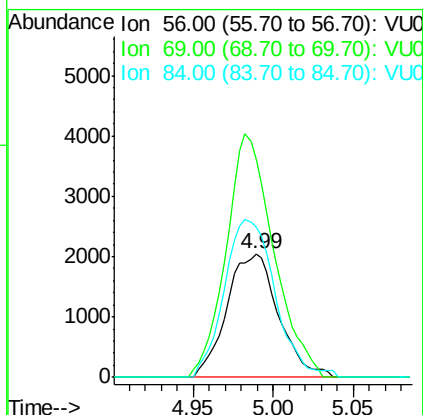
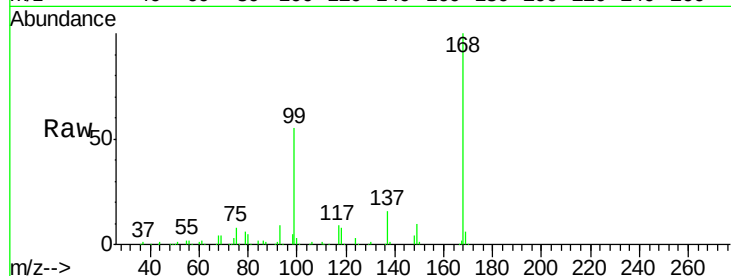




#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VU025023.D
Acq: 28 Jun 2018 16:17

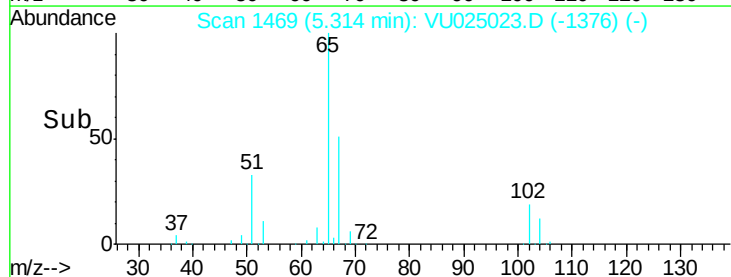
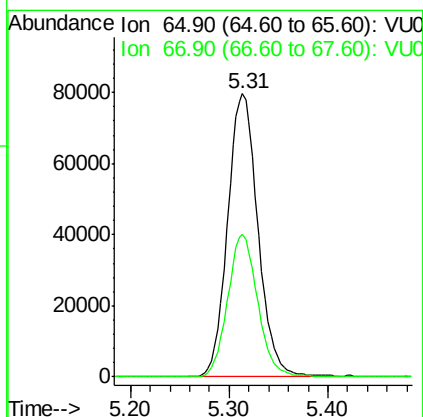
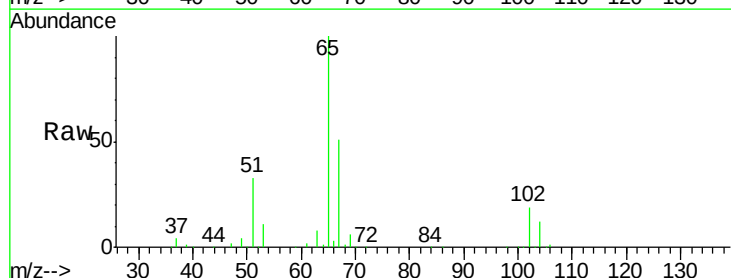
Instrument :
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WP021SB489-27-29-180622

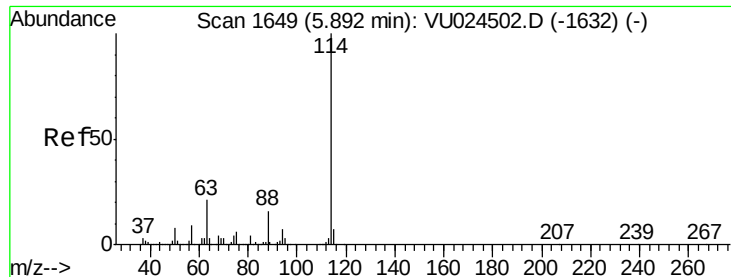
Tgt Ion: 56 Resp: 4521
Ion Ratio Lower Upper
56 100
69 176.5 24.8 37.2#
84 121.7 65.2 97.8#



#33
1,2-Dichloroethane-d4
Concen: 46.707 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VU025023.D
Acq: 28 Jun 2018 16:17

Tgt Ion: 65 Resp: 171203
Ion Ratio Lower Upper
65 100
67 49.8 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: VU025023.D

Acq: 28 Jun 2018 16:17

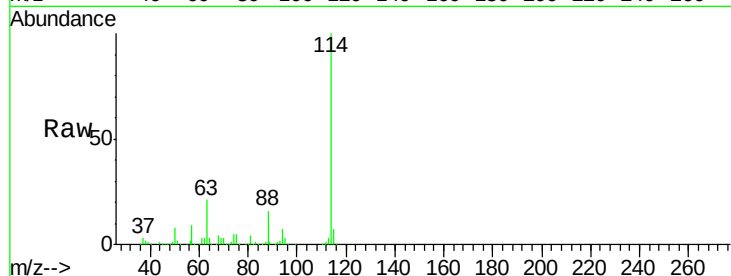
Instrument :

MSVOA_U

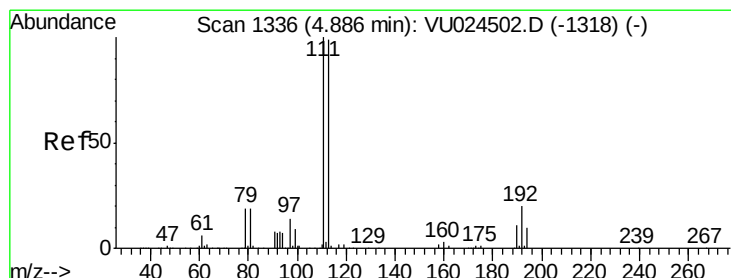
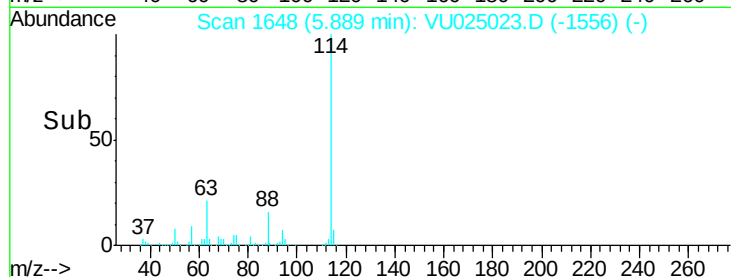
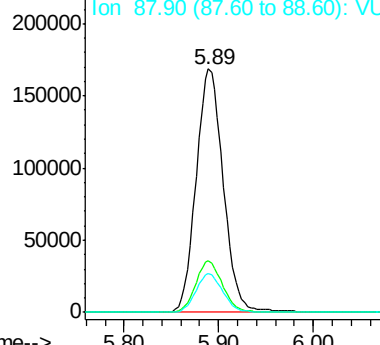
ClientSampleId :

WP021SB489-27-29-180622

Tgt Ion:	114	Resp:	336624
Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	45.4
88	16.2	0.0	31.0



Abundance Ion 113.90 (113.60 to 114.60): V



#35

Dibromofluoromethane

Concen: 47.167 ug/l

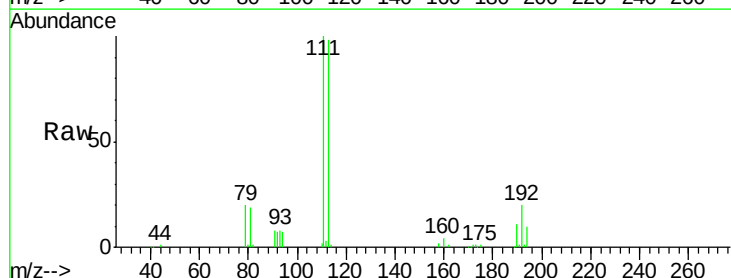
RT: 4.89 min Scan# 1336

Delta R.T. 0.00 min

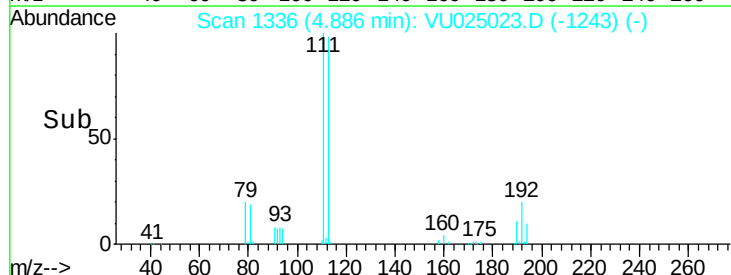
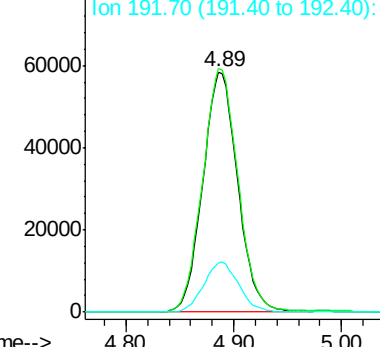
Lab File: VU025023.D

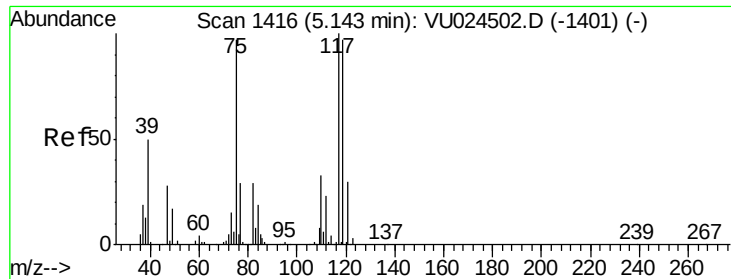
Acq: 28 Jun 2018 16:17

Tgt Ion:	113	Resp:	131770
Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.2	123.4
192	20.8	16.2	24.4



Abundance Ion 112.80 (112.50 to 113.50): V





#36

1,1-Dichloropropene

Concen: 4.237 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025023.D

Acq: 28 Jun 2018 16:17

Instrument :

MSVOA_U

ClientSampleId :

WP021SB489-27-29-180622

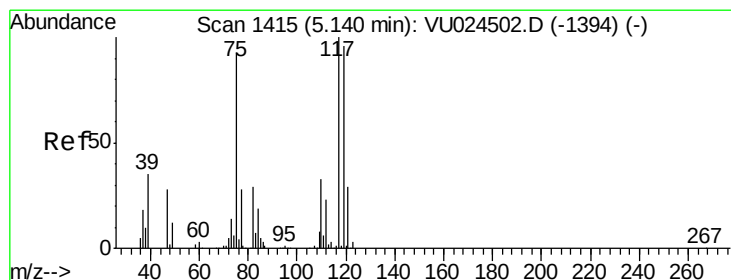
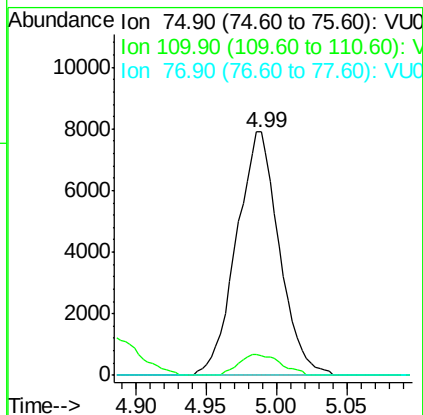
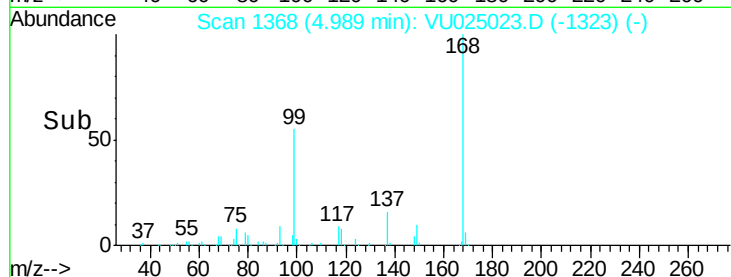
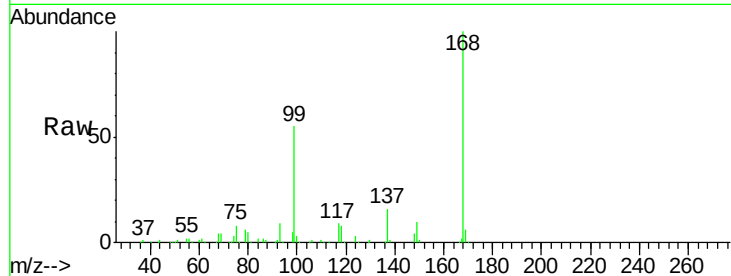
Tgt Ion: 75 Resp: 16761

Ion Ratio Lower Upper

75 100

110 8.4 17.0 50.9#

77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 4.996 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU025023.D

Acq: 28 Jun 2018 16:17

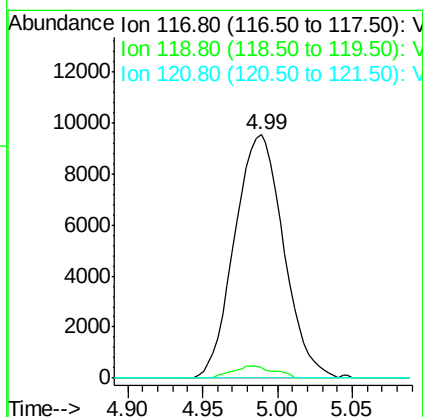
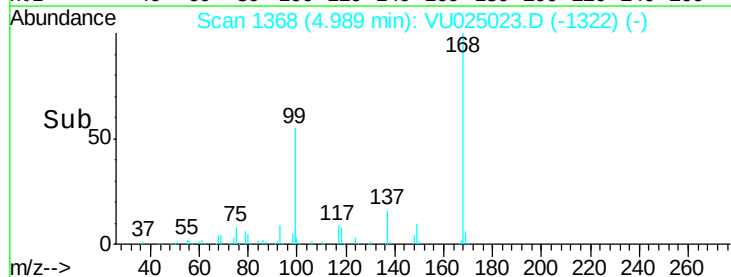
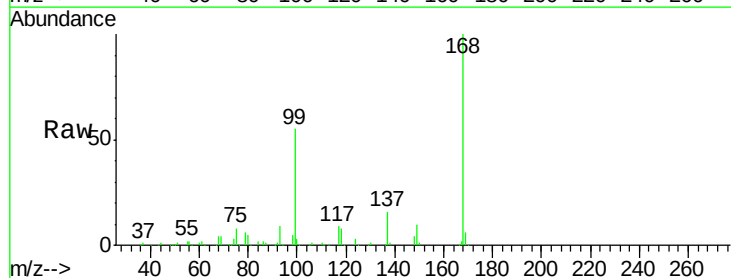
Tgt Ion: 117 Resp: 21732

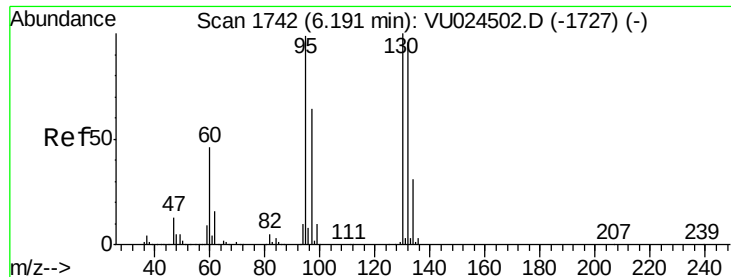
Ion Ratio Lower Upper

117 100

119 4.4 76.1 114.1#

121 0.0 23.7 35.5#





#44

Trichloroethene

Concen: 28.569 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU025023.D

Acq: 28 Jun 2018 16:17

Instrument :

MSVOA_U

ClientSampleId :

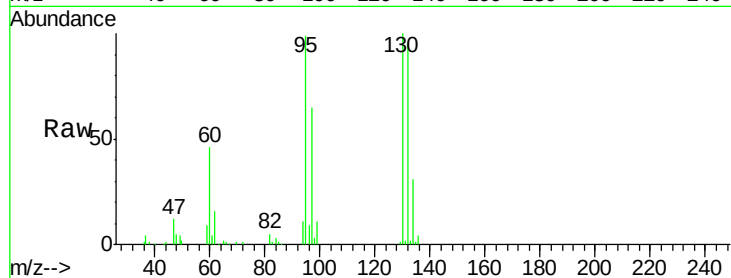
WP021SB489-27-29-180622

Tgt Ion:130 Resp: 91642

Ion Ratio Lower Upper

130 100

95 99.0 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): VU024502.D (-1727) (-)

Ion 94.90 (94.60 to 95.60): VU024502.D (-1727) (-)

6.19

50000

40000

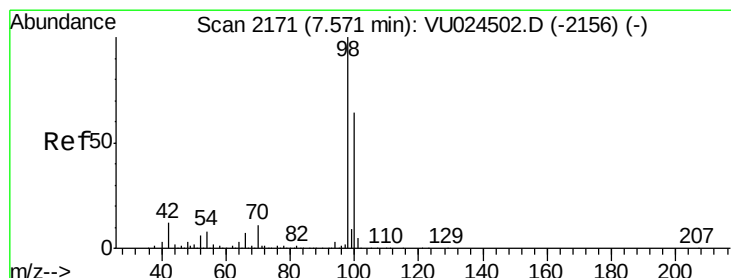
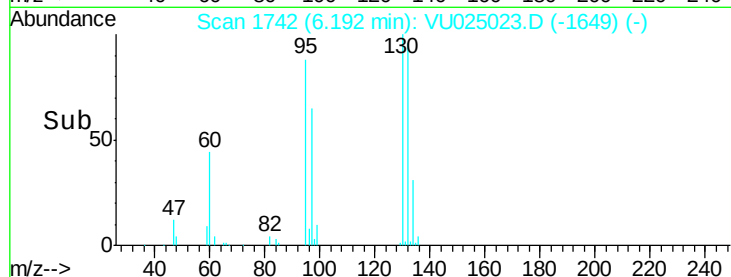
30000

20000

10000

0

Time-->



#50

Toluene-d8

Concen: 48.123 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU025023.D

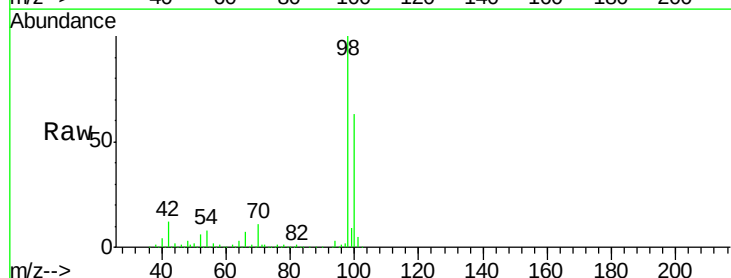
Acq: 28 Jun 2018 16:17

Tgt Ion: 98 Resp: 490390

Ion Ratio Lower Upper

98 100

100 63.6 51.1 76.7



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

Ion 100.00 (99.70 to 100.70): VU024502.D (-2156) (-)

7.57

300000

250000

200000

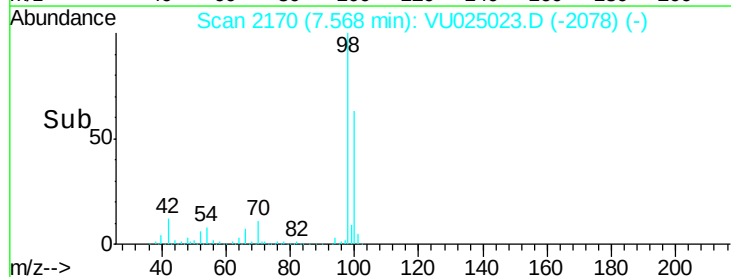
150000

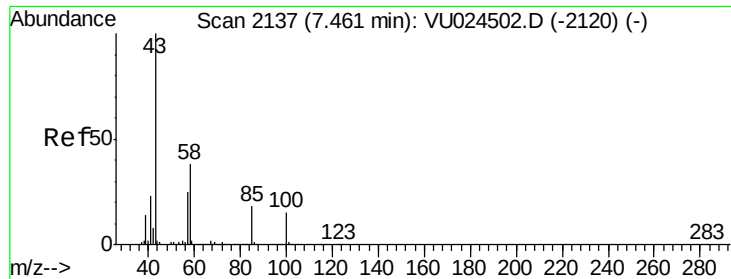
100000

50000

0

Time-->

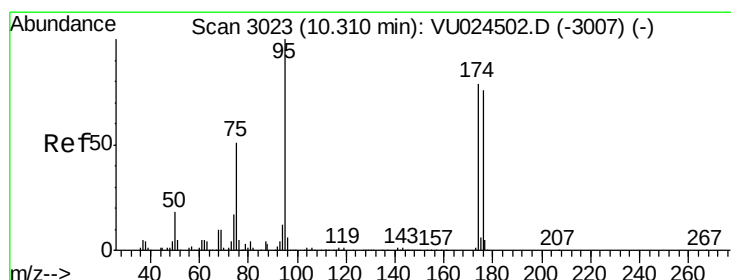
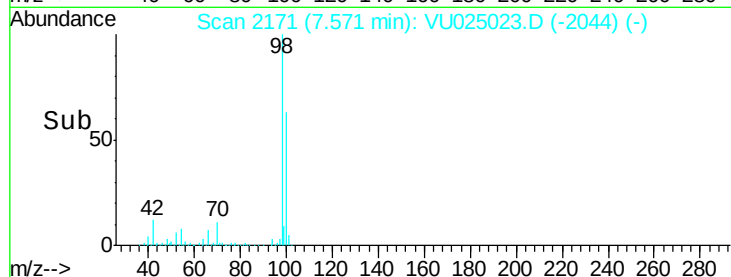
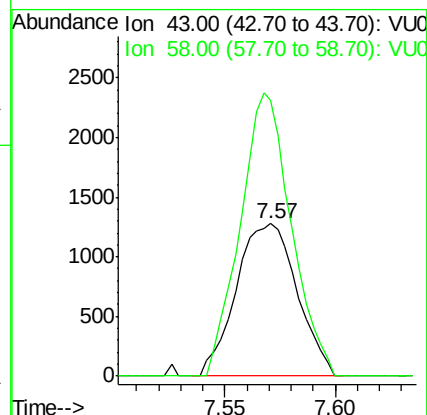
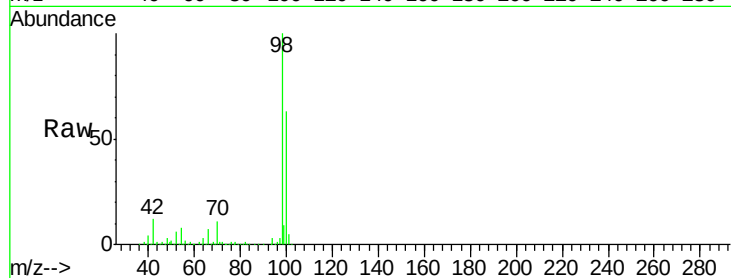




#51
 4-Methyl-2-Pentanone
 Concen: 0.523 ug/l
 RT: 7.57 min Scan# 2171
 Delta R.T. 0.11 min
 Lab File: VU025023.D
 Acq: 28 Jun 2018 16:17

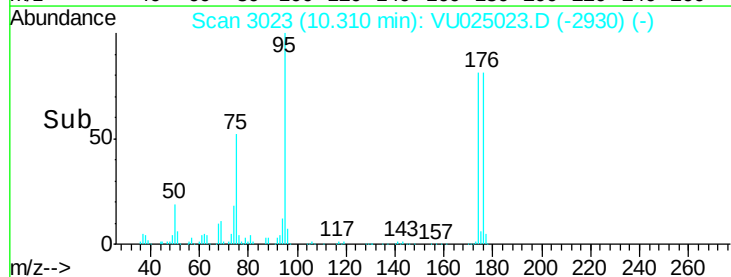
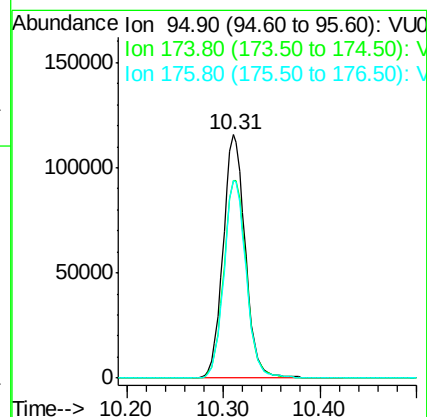
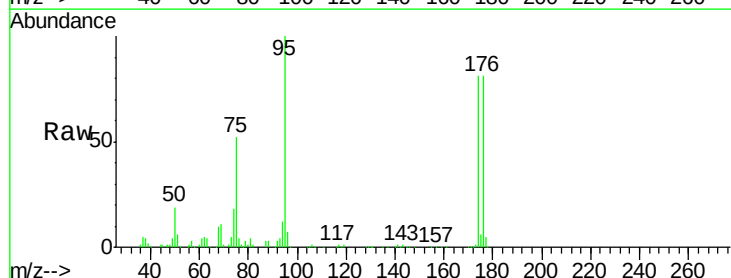
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB489-27-29-180622

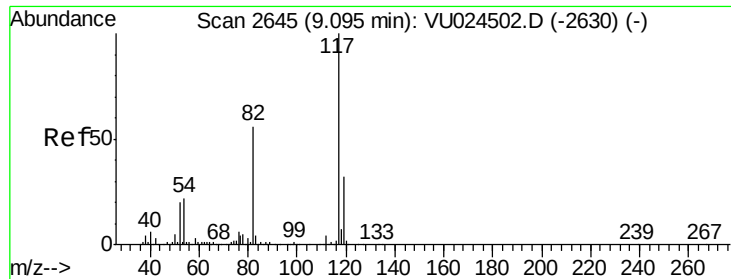
Tgt Ion: 43 Resp: 2449
 Ion Ratio Lower Upper
 43 100
 58 155.5 30.0 45.0#



#62
 4-Bromofluorobenzene
 Concen: 45.464 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU025023.D
 Acq: 28 Jun 2018 16:17

Tgt Ion: 95 Resp: 183945
 Ion Ratio Lower Upper
 95 100
 174 83.0 0.0 165.8
 176 81.4 0.0 159.4

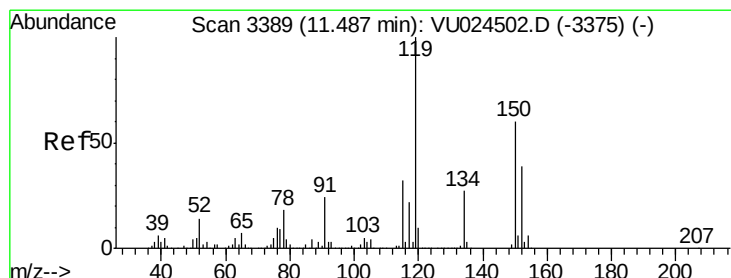
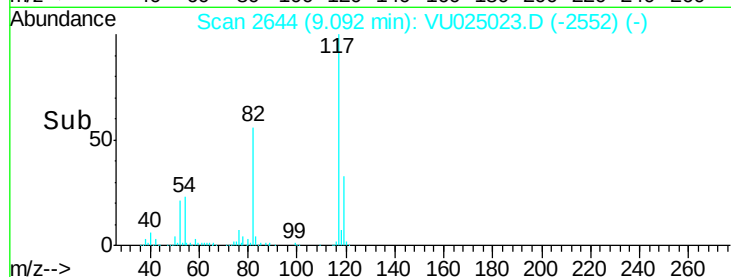
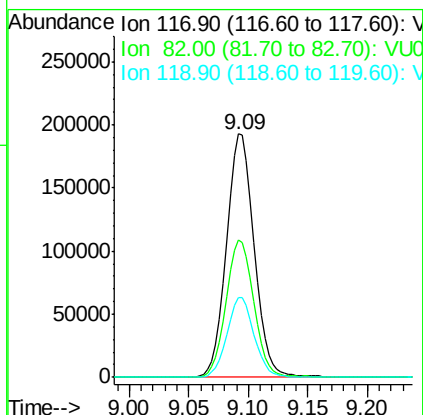
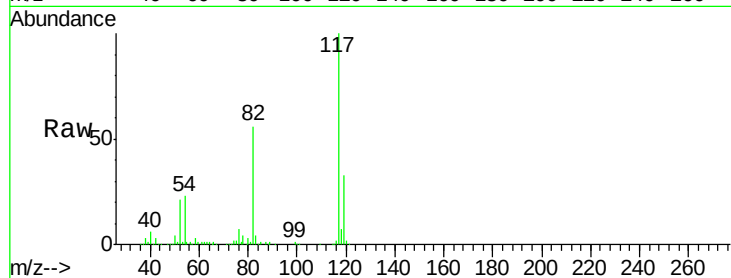




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU025023.D
Acq: 28 Jun 2018 16:17

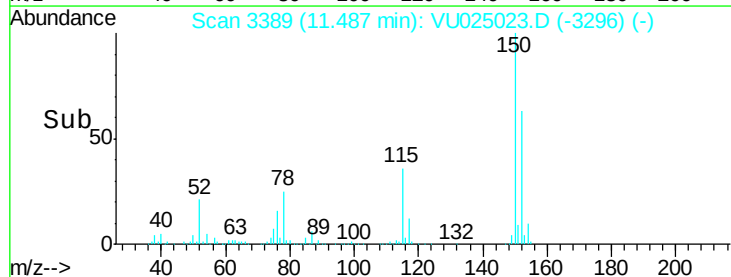
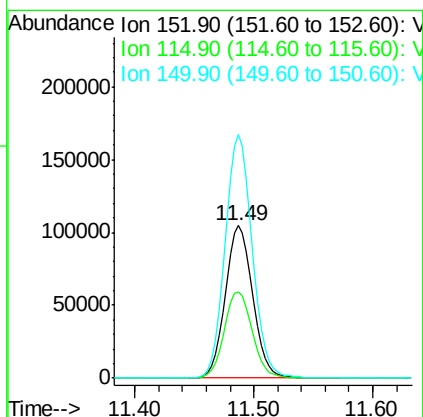
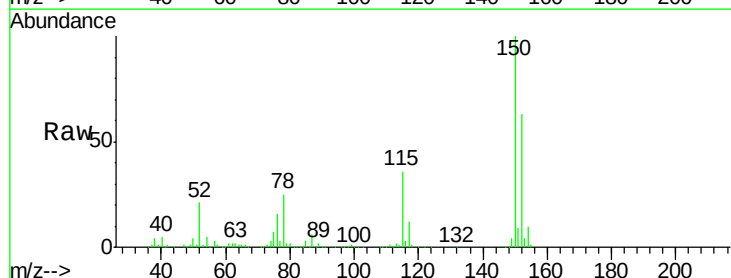
Instrument :
MSVOA_U
ClientSampleId :
WP021SB489-27-29-180622

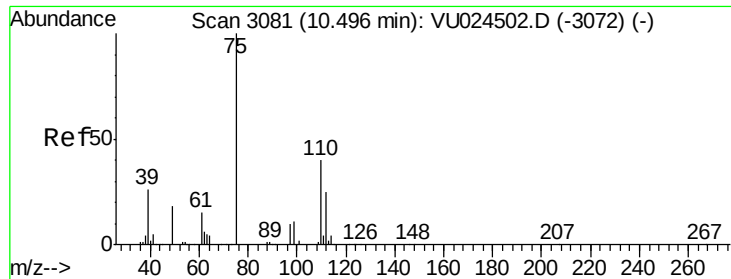
Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.5	44.3	66.5
119	32.9	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025023.D
Acq: 28 Jun 2018 16:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.7	43.0	129.0
150	157.8	0.0	354.0





#76

1,2,3-Trichloropropane

Concen: 25.997 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025023.D

Acq: 28 Jun 2018 16:17

Instrument :

MSVOA_U

ClientSampleId :

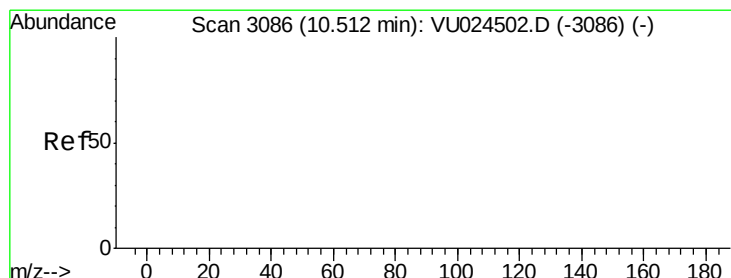
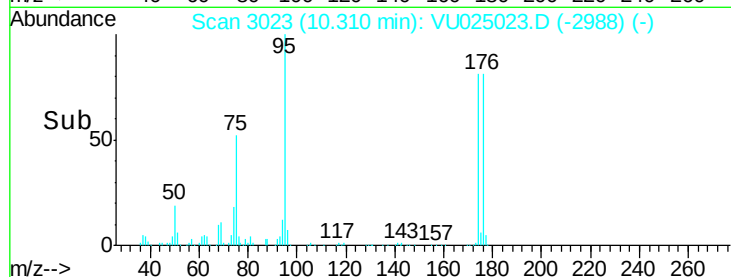
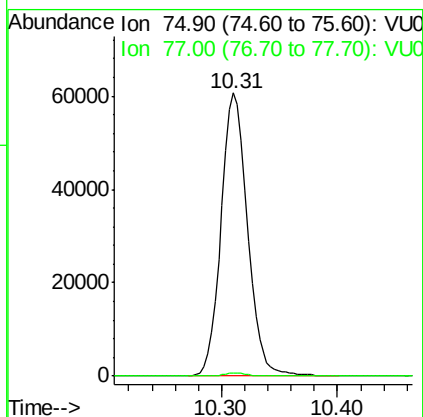
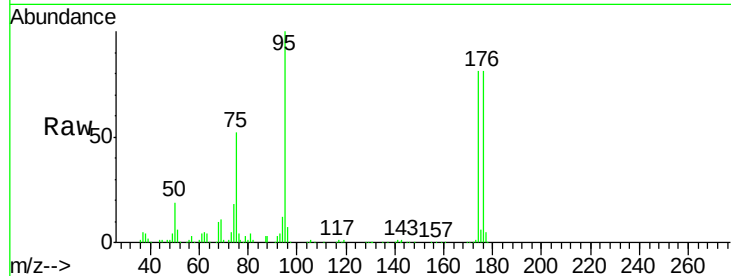
WP021SB489-27-29-180622

Tgt Ion: 75 Resp: 95816

Ion Ratio Lower Upper

75 100

77 0.9 20.9 62.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.167 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025023.D

Acq: 28 Jun 2018 16:17

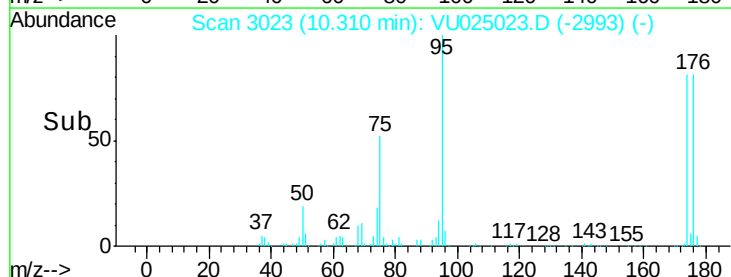
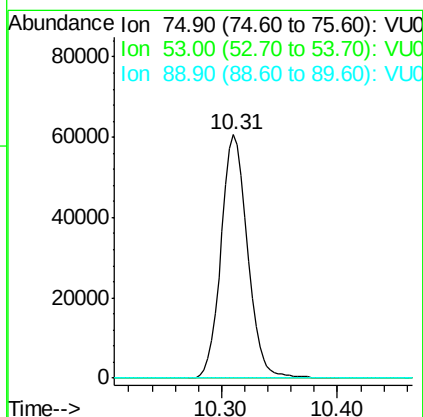
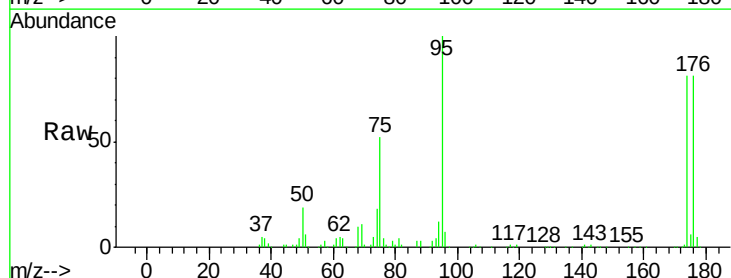
Tgt Ion: 75 Resp: 95816

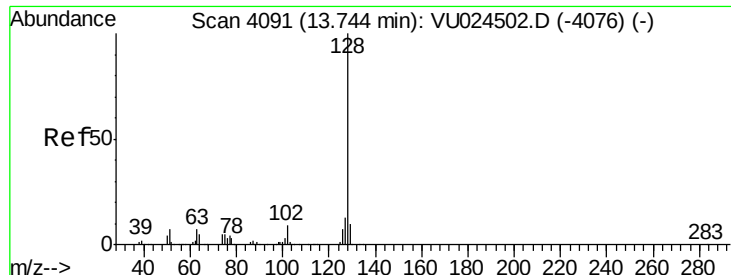
Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0





#95

Naphthalene

Concen: 0.810 ug/l

RT: 13.77 min Scan# 4098

Delta R.T. 0.02 min

Lab File: VU025023.D

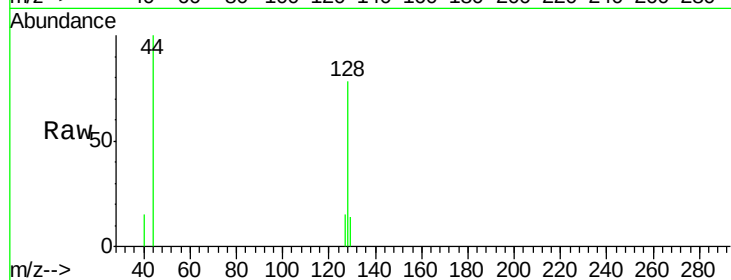
Acq: 28 Jun 2018 16:17

Instrument :

MSVOA_U

ClientSampleId :

WP021SB489-27-29-180622



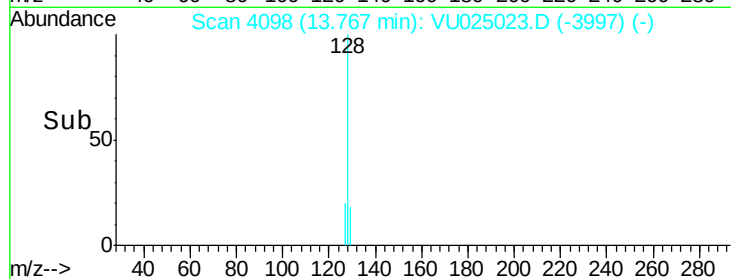
Tgt Ion:128 Resp: 1636

Ion Ratio Lower Upper

128 100

127 2.9 10.6 16.0#

129 5.6 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

800

600

400

200

0

13.70 13.75 13.80

13.77

Time-->