

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062718\
 Data File : VU024988.D
 Acq On : 28 Jun 2018 00:32
 Operator : MD/SY
 Sample : J3670-09ME 10X
 Misc : 7.03g/5mL/100uL/5.00ML/MSVOA_U/MEOH
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB487-25-27-180621MEDL

Quant Time: Jun 28 02:32:39 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	225868	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	338224	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	312205	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	167851	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	172807	46.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.72%	
35) Dibromofluoromethane	4.89	113	132204	47.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.20%	
50) Toluene-d8	7.57	98	490701	47.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.86%	
62) 4-Bromofluorobenzene	10.31	95	180732	44.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.92%	

Target Compounds

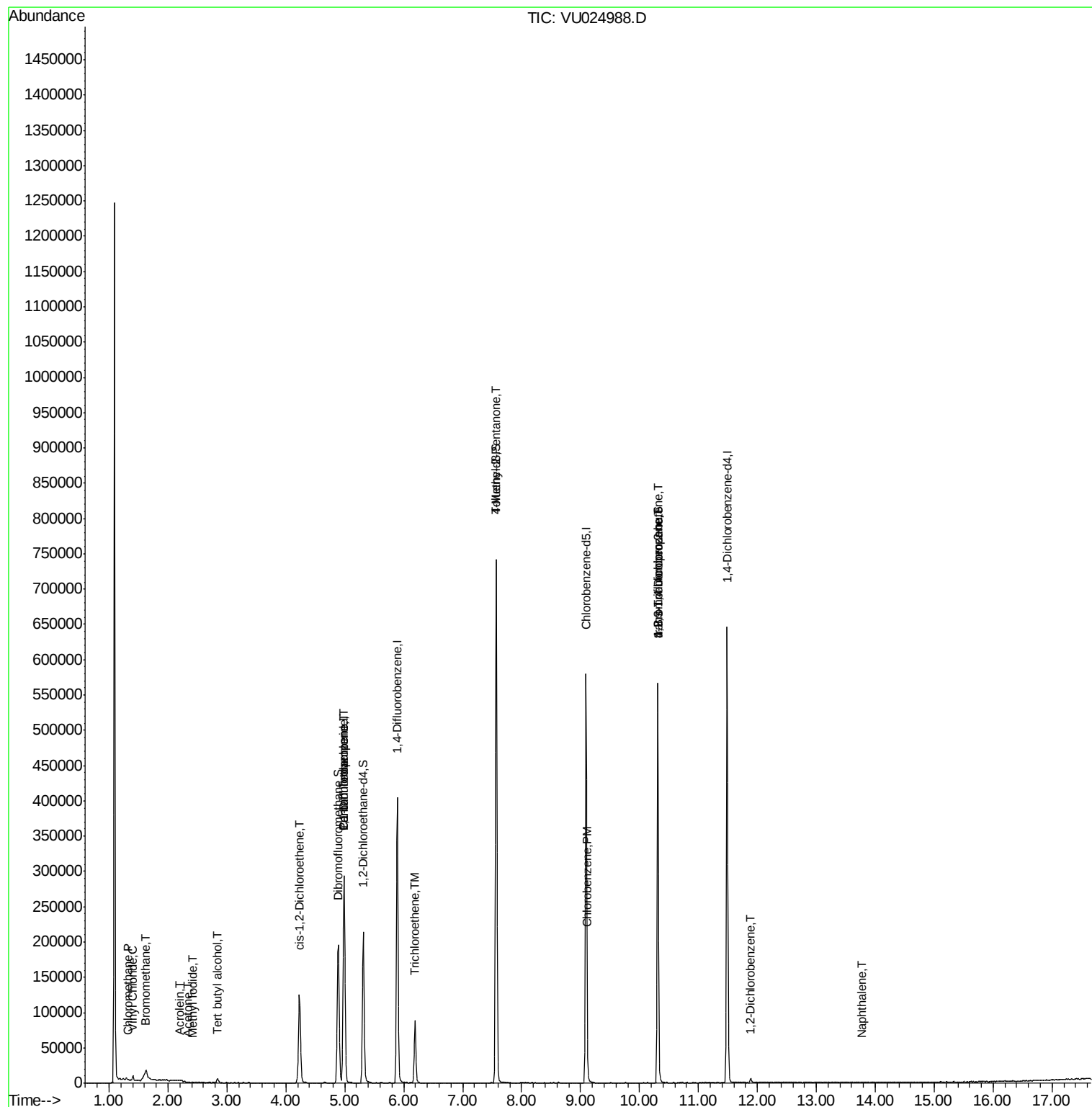
						Qvalue
3) Chloromethane	1.33	50	672	0.233	ug/l	97
4) Vinyl Chloride	1.40	62	3981	1.336	ug/l	90
5) Bromomethane	1.63	94	713	0.495	ug/l	96
6) Chloroethane	1.69	64	63	Below Cal	#	43
10) Methyl Iodide	2.41	142	422	5.447	ug/l #	77
11) Tert butyl alcohol	2.84	59	3722	4.150	ug/l #	72
13) Acrolein	2.19	56	237	0.503	ug/l #	42
16) Acetone	2.33	43	1253	0.632	ug/l #	88
27) cis-1,2-Dichloroethene	4.23	96	71182	21.858	ug/l	87
31) Cyclohexane	4.99	56	4740	Below Cal	#	19
36) 1,1-Dichloropropene	4.99	75	16590	4.174	ug/l #	51
38) Carbon Tetrachloride	4.99	117	21566	4.934	ug/l #	16
44) Trichloroethene	6.19	130	32050	9.944	ug/l	94
51) 4-Methyl-2-Pentanone	7.57	43	2304	0.490	ug/l #	1
65) Chlorobenzene	9.12	112	2523	0.316	ug/l	96
76) 1,2,3-Trichloropropane	10.31	75	95209	25.764	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	95209	59.628	ug/l #	100
91) 1,2-Dichlorobenzene	11.89	146	2781	0.461	ug/l	97
95) Naphthalene	13.77	128	641	0.730	ug/l #	69

(#) = 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: VU024988.D

Acq: 28 Jun 2018 00:32

Instrument :

MSVOA_U

ClientSampleId :

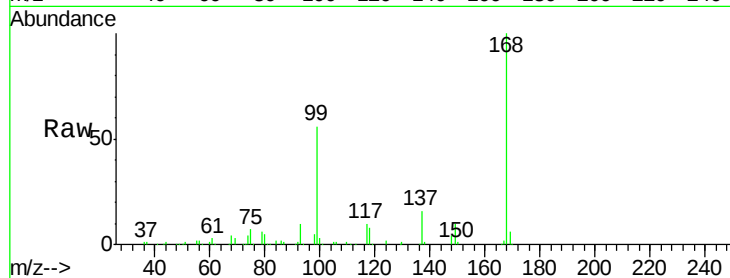
WP021SB487-25-27-180621MEDL

Tgt Ion:168 Resp: 225868

Ion Ratio Lower Upper

168 100

99 55.9 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024988.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU024988.D (-1275) (-)

4.99

120000

100000

80000

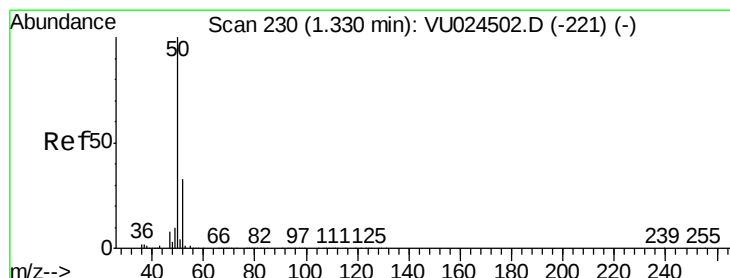
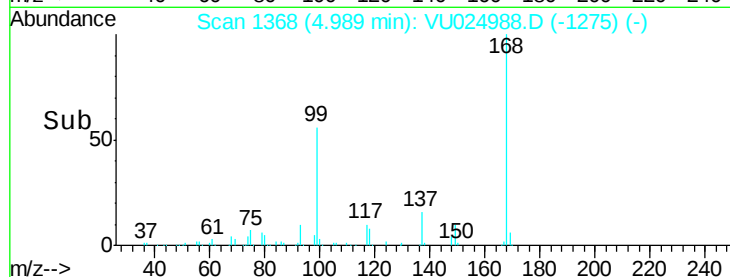
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.233 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024988.D

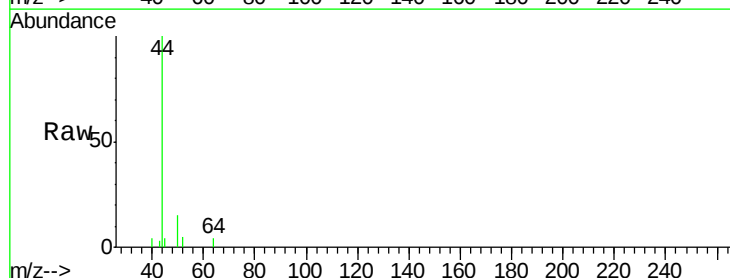
Acq: 28 Jun 2018 00:32

Tgt Ion: 50 Resp: 672

Ion Ratio Lower Upper

50 100

52 34.9 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU024988.D (-137) (-)

Ion 51.90 (51.60 to 52.60): VU024988.D (-137) (-)

1.33

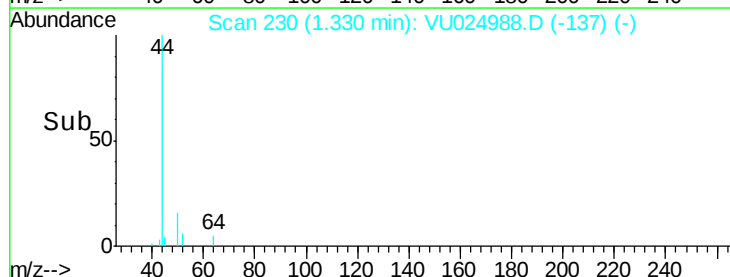
600

400

200

0

Time-->





#4

Vinyl Chloride

Concen: 1.336 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU024988.D

Acq: 28 Jun 2018 00:32

Instrument :

MSVOA_U

ClientSampleId :

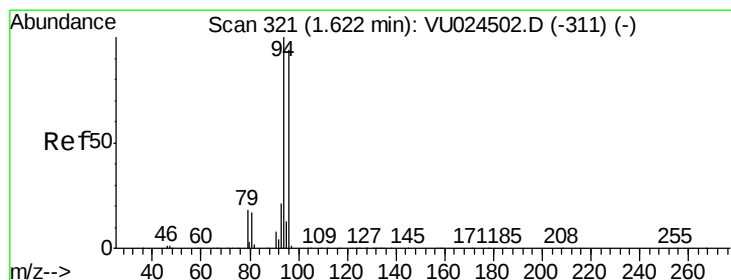
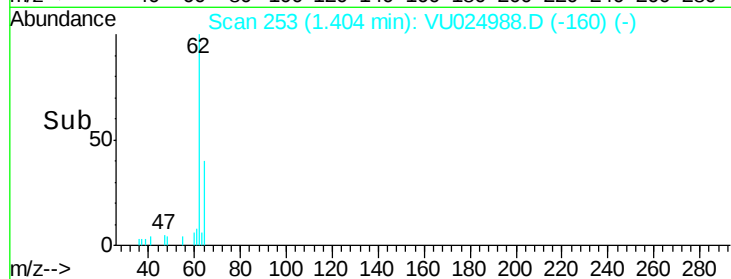
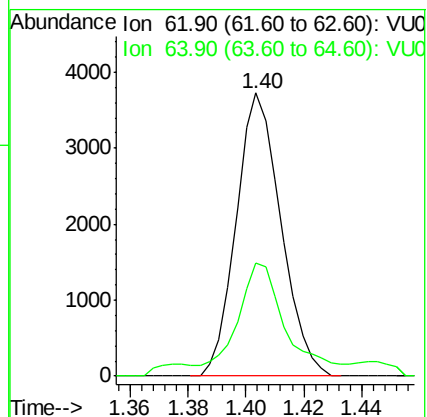
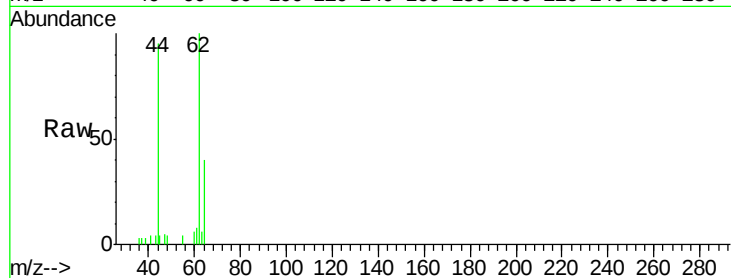
WP021SB487-25-27-180621MEDL

Tgt Ion: 62 Resp: 3981

Ion Ratio Lower Upper

62 100

64 36.2 24.8 37.2



#5

Bromomethane

Concen: 0.495 ug/l

RT: 1.63 min Scan# 322

Delta R.T. 0.00 min

Lab File: VU024988.D

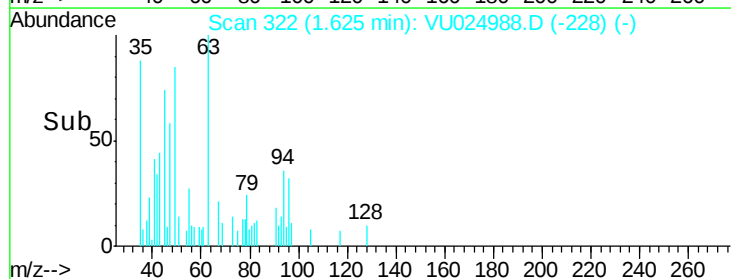
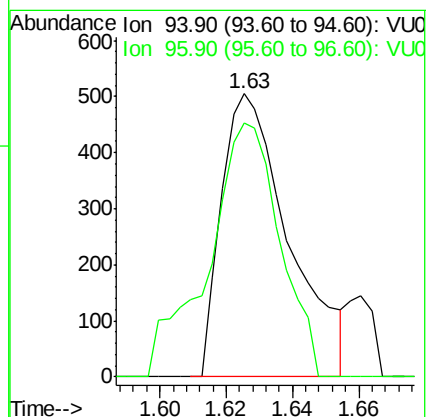
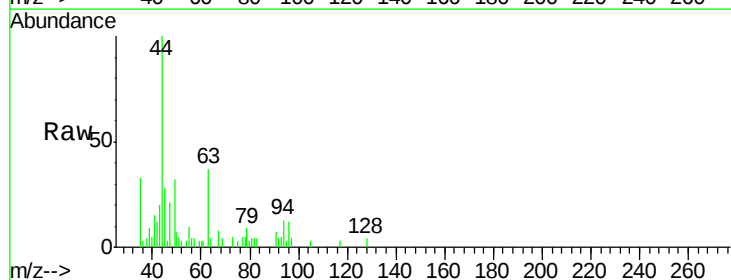
Acq: 28 Jun 2018 00:32

Tgt Ion: 94 Resp: 713

Ion Ratio Lower Upper

94 100

96 89.5 74.5 111.7





#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU024988.D

Acq: 28 Jun 2018 00:32

Instrument :

MSVOA_U

ClientSampleId :

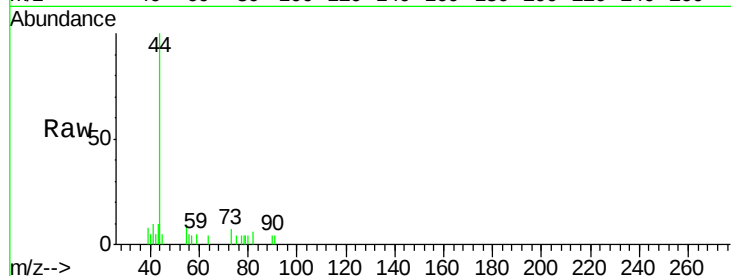
WP021SB487-25-27-180621MEDL

Tgt Ion: 64 Resp: 63

Ion Ratio Lower Upper

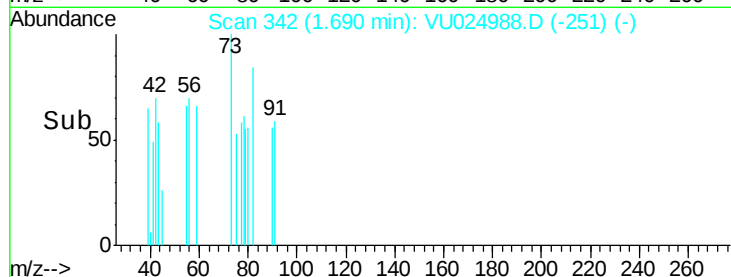
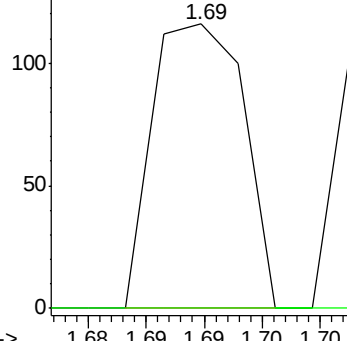
64 100

66 0.0 25.5 38.3#

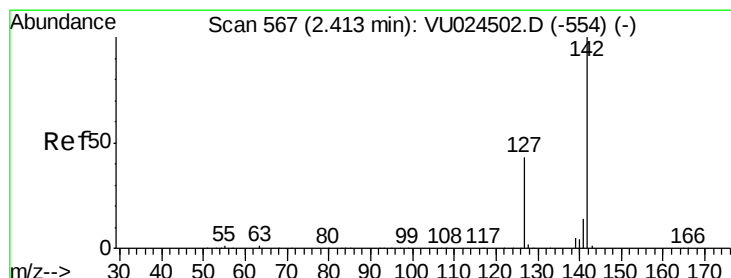


Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



Time-->



#10

Methyl Iodide

Concen: 5.447 ug/l

RT: 2.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VU024988.D

Acq: 28 Jun 2018 00:32

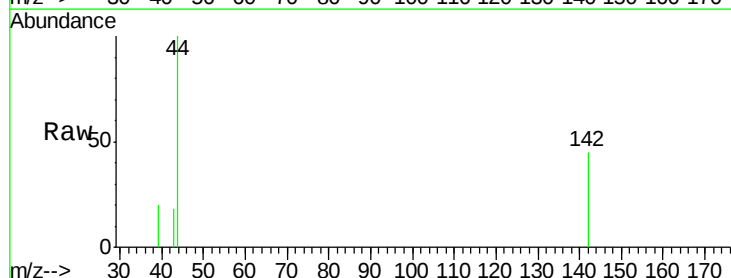
Tgt Ion: 142 Resp: 422

Ion Ratio Lower Upper

142 100

127 32.2 35.6 53.4#

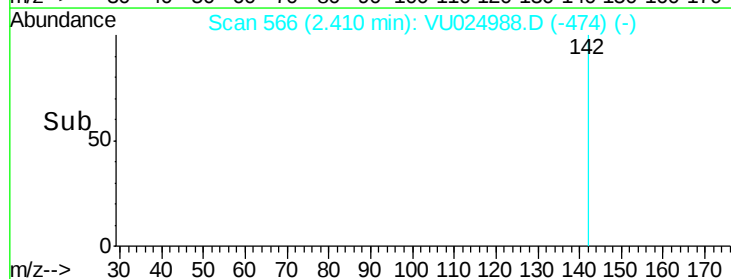
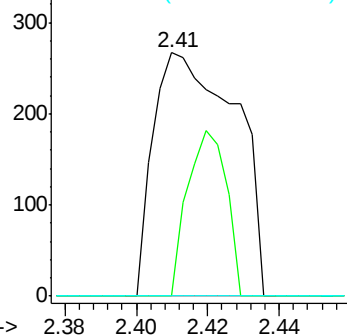
141 0.0 11.7 17.5#



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



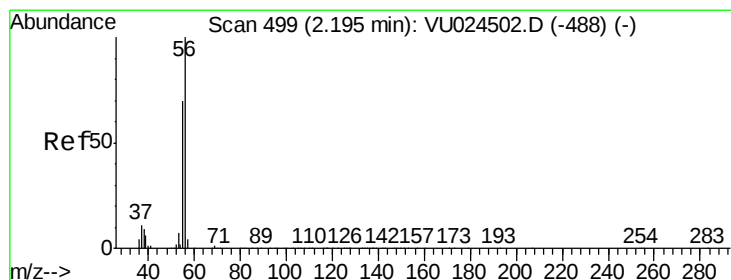
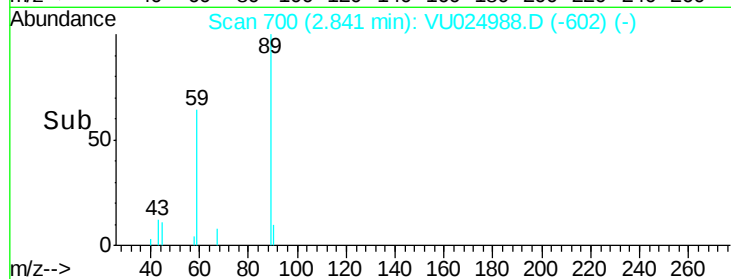
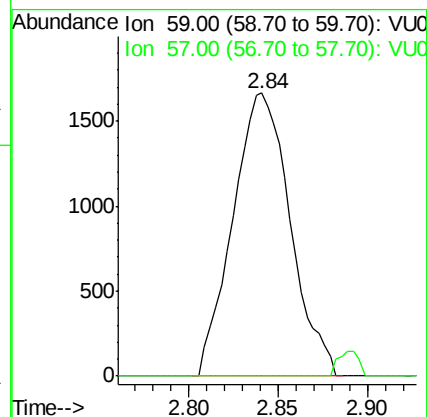
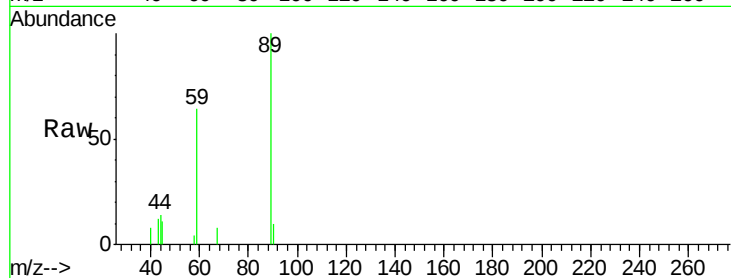
Time-->



#11
Tert butyl alcohol
Concen: 4.150 ug/l
RT: 2.84 min Scan# 700
Delta R.T. 0.02 min
Lab File: VU024988.D
Acq: 28 Jun 2018 00:32

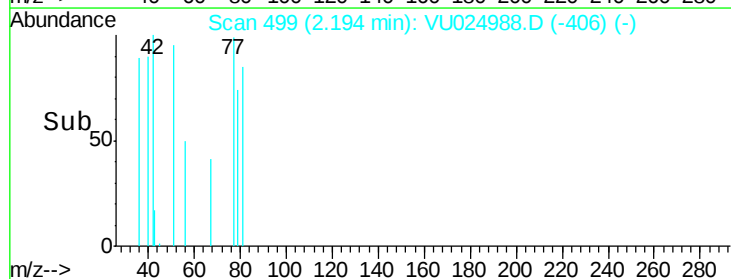
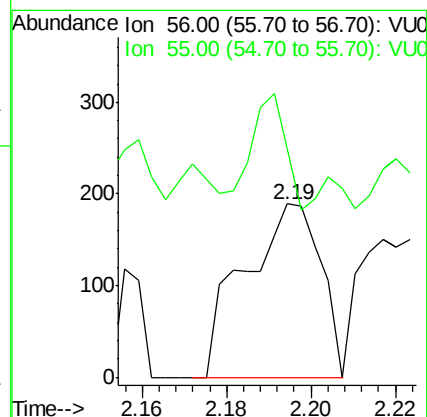
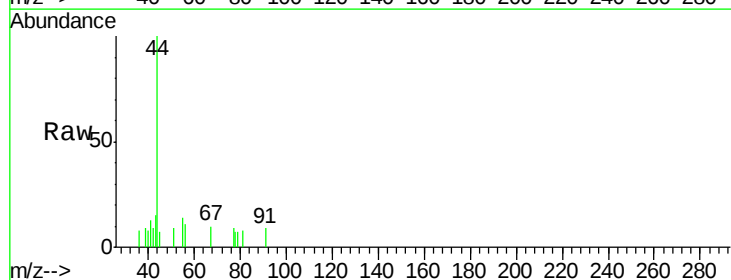
Instrument :
MSVOA_U
ClientSampleId :
WP021SB487-25-27-180621MEDL

Tgt Ion: 59 Resp: 3722
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#13
Acrolein
Concen: 0.503 ug/l
RT: 2.19 min Scan# 499
Delta R.T. -0.00 min
Lab File: VU024988.D
Acq: 28 Jun 2018 00:32

Tgt Ion: 56 Resp: 237
Ion Ratio Lower Upper
56 100
55 24.1 58.4 87.6#





#16

Acetone

Concen: 0.632 ug/l

RT: 2.33 min Scan# 542

Delta R.T. 0.01 min

Lab File: VU024988.D

Acq: 28 Jun 2018 00:32

Instrument :

MSVOA_U

ClientSampleId :

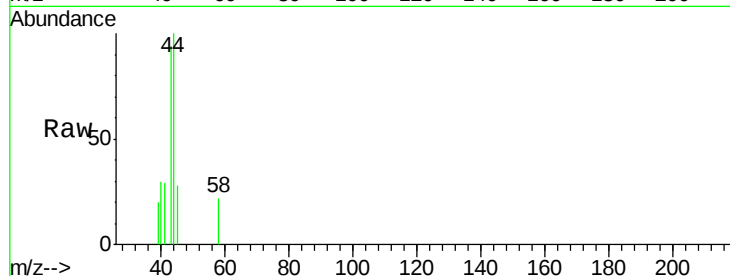
WP021SB487-25-27-180621MEDL

Tgt Ion: 43 Resp: 1253

Ion Ratio Lower Upper

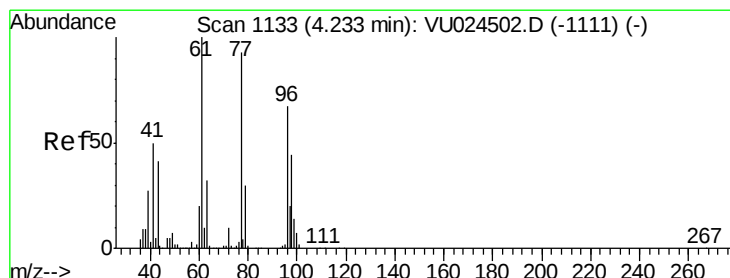
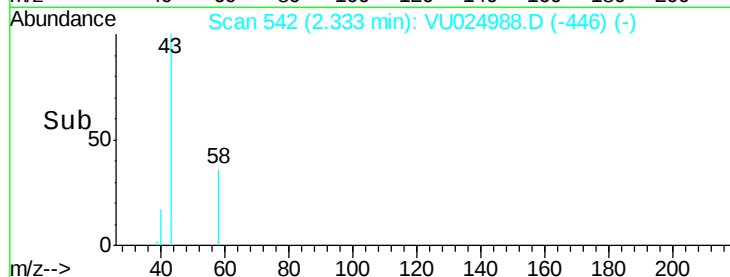
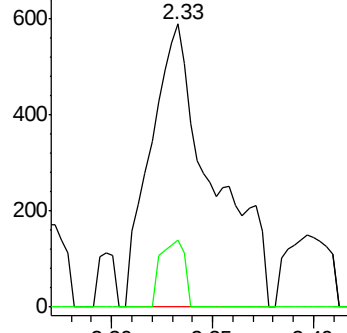
43 100

58 23.8 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: 21.858 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VU024988.D

Acq: 28 Jun 2018 00:32

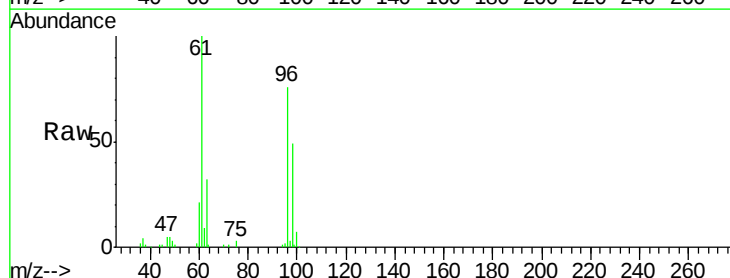
Tgt Ion: 96 Resp: 71182

Ion Ratio Lower Upper

96 100

61 129.5 0.0 306.6

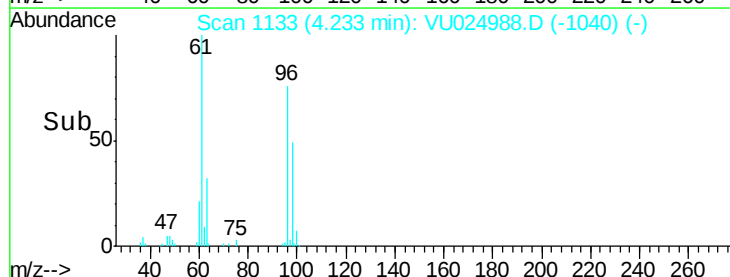
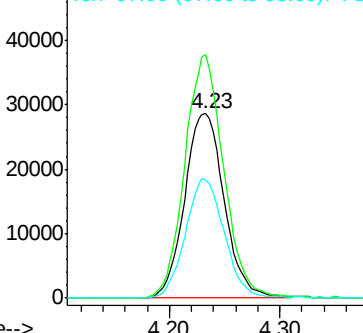
98 63.5 0.0 128.8

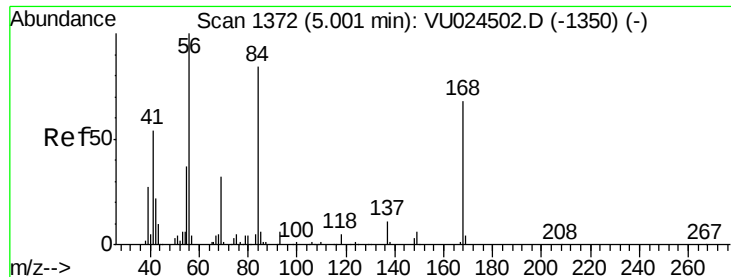


Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

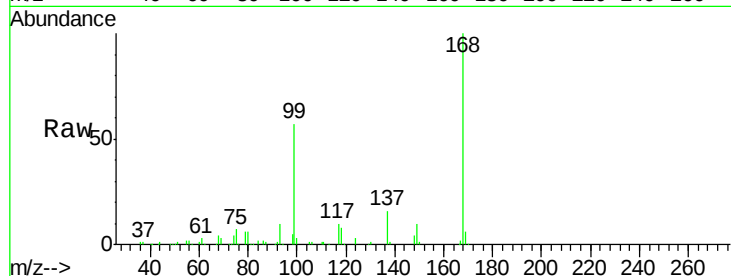




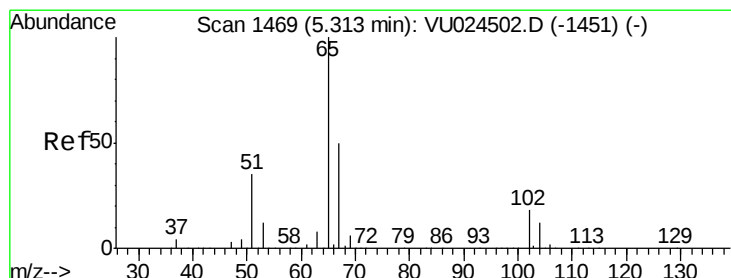
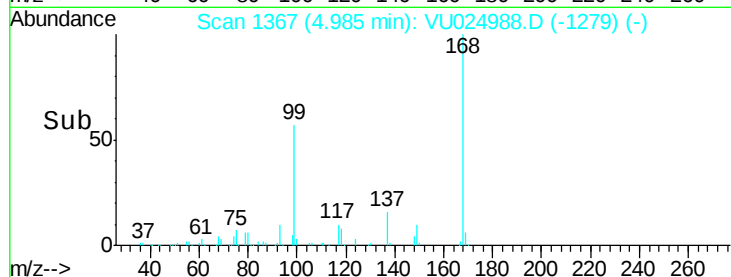
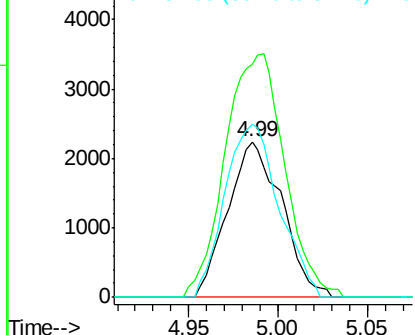
#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1367
Delta R.T. -0.02 min
Lab File: VU024988.D
Acq: 28 Jun 2018 00:32

Instrument :
MSVOA_U
ClientSampleId :
WP021SB487-25-27-180621MEDL

Tgt Ion: 56 Resp: 4740
Ion Ratio Lower Upper
56 100
69 145.1 24.8 37.2#
84 110.8 65.2 97.8#

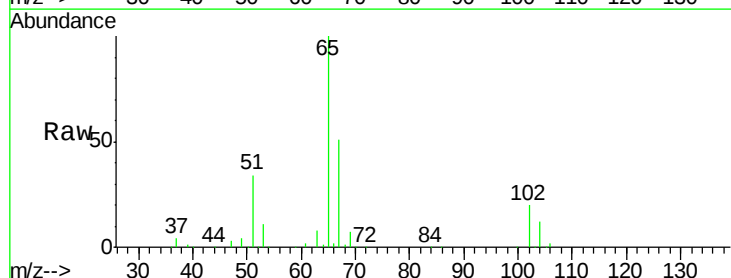


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

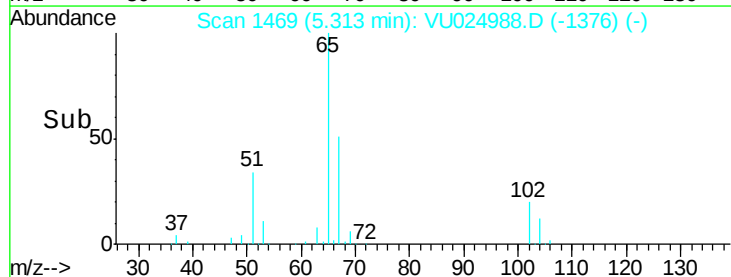
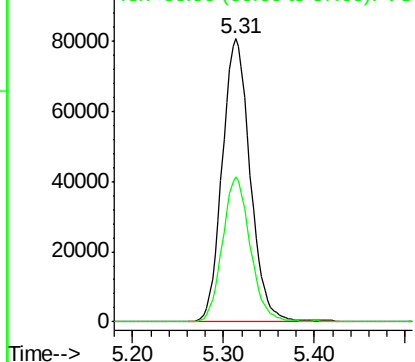


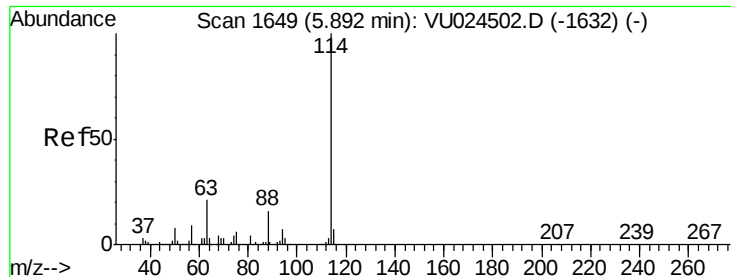
#33
1,2-Dichloroethane-d4
Concen: 46.865 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VU024988.D
Acq: 28 Jun 2018 00:32

Tgt Ion: 65 Resp: 172807
Ion Ratio Lower Upper
65 100
67 50.7 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# 1648

Delta R.T. -0.00 min

Lab File: VU024988.D

Acq: 28 Jun 2018 00:32

Instrument :

MSVOA_U

ClientSampleId :

WP021SB487-25-27-180621MEDL

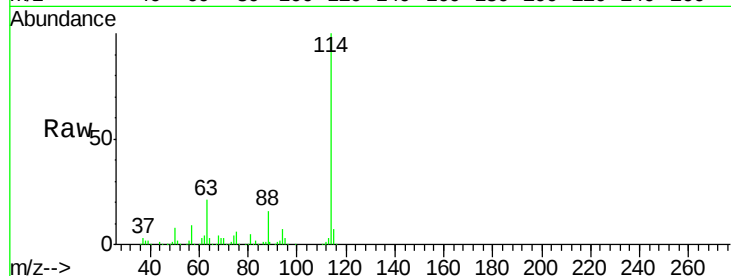
Tgt Ion:114 Resp: 338224

Ion Ratio Lower Upper

114 100

63 21.4 0.0 45.4

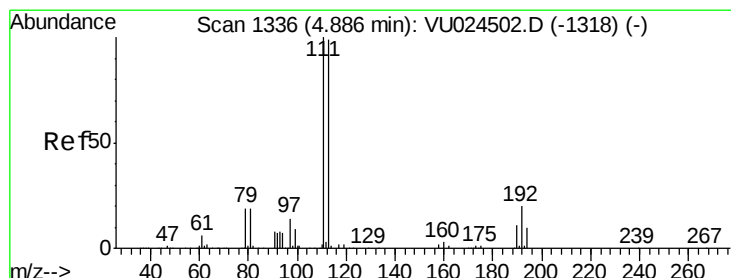
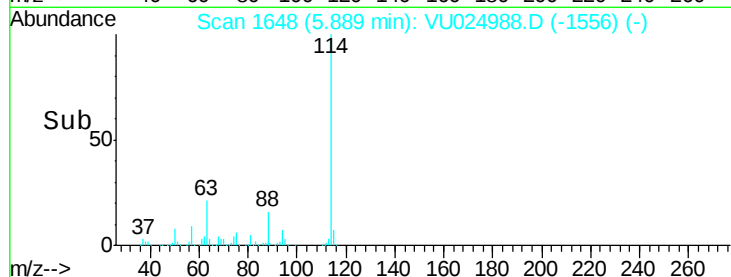
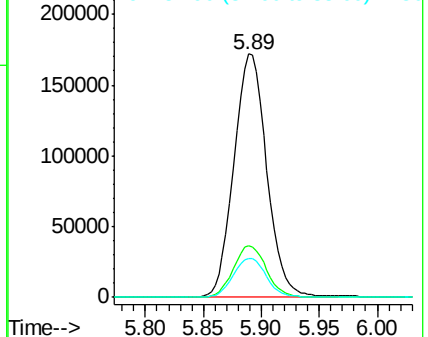
88 16.2 0.0 31.0



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: 47.098 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024988.D

Acq: 28 Jun 2018 00:32

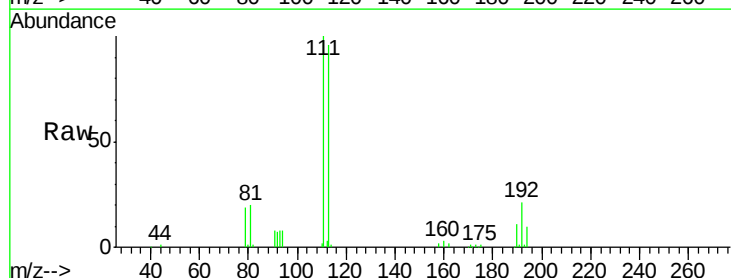
Tgt Ion:113 Resp: 132204

Ion Ratio Lower Upper

113 100

111 103.4 82.2 123.4

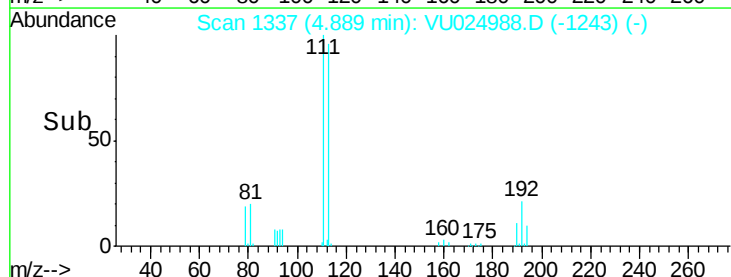
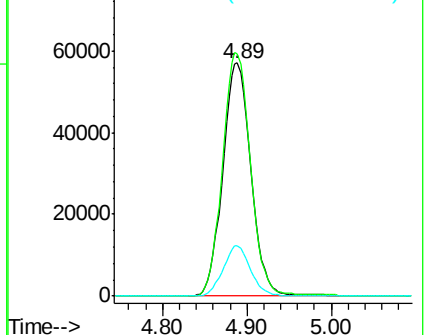
192 20.9 16.2 24.4

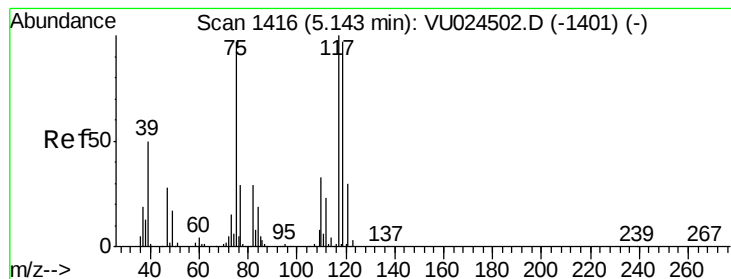


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.174 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024988.D

Acq: 28 Jun 2018 00:32

Instrument :

MSVOA_U

ClientSampleId :

WP021SB487-25-27-180621MEDL

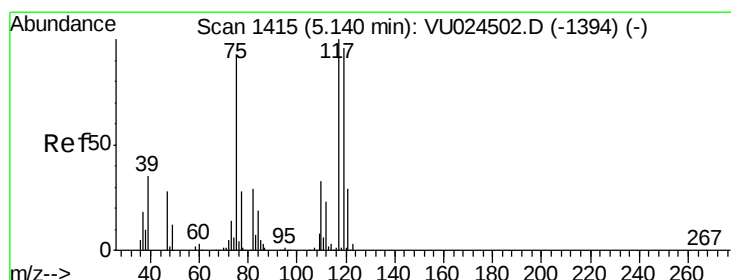
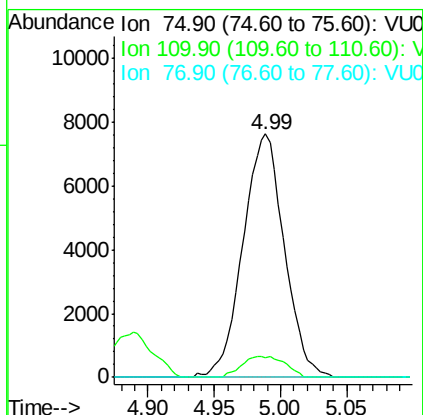
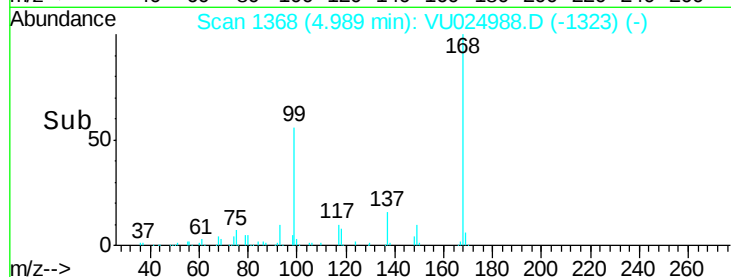
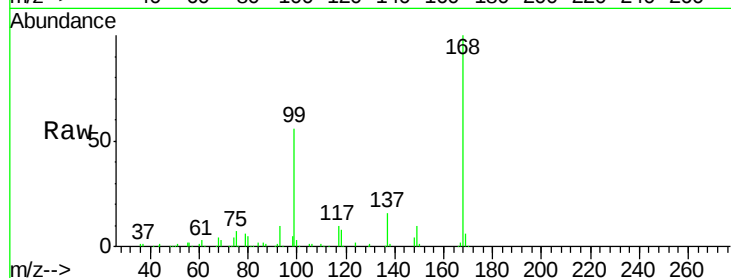
Tgt Ion: 75 Resp: 16590

Ion Ratio Lower Upper

75 100

110 9.0 17.0 50.9#

77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 4.934 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024988.D

Acq: 28 Jun 2018 00:32

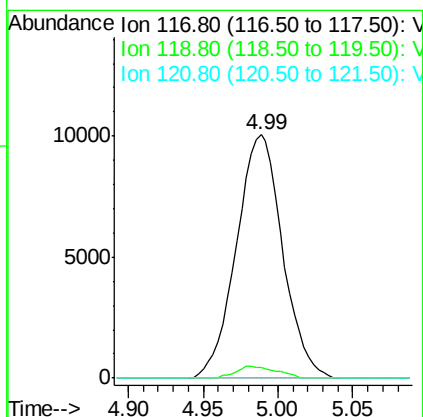
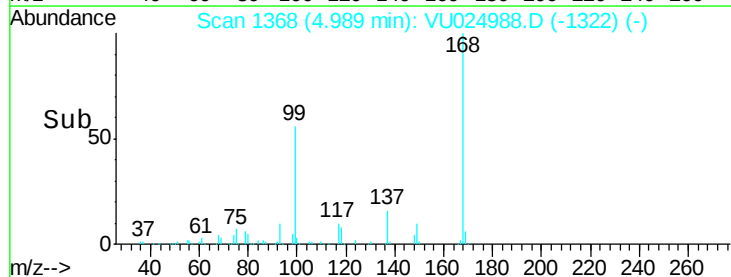
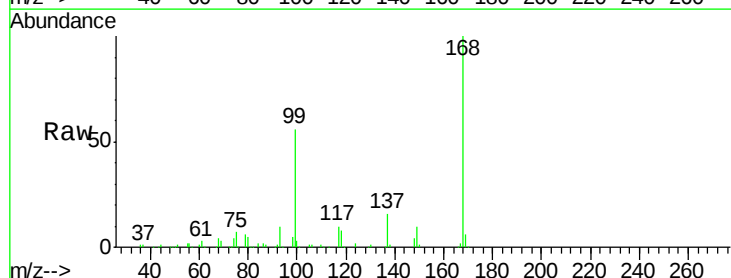
Tgt Ion: 117 Resp: 21566

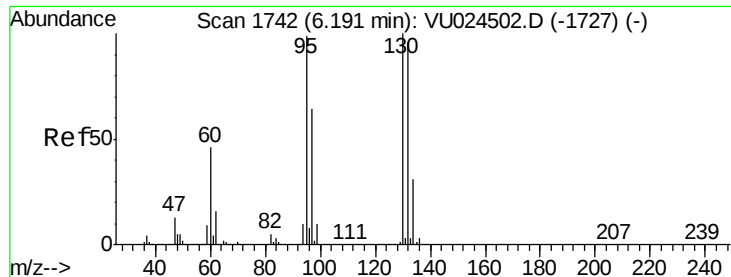
Ion Ratio Lower Upper

117 100

119 4.2 76.1 114.1#

121 0.0 23.7 35.5#





#44

Trichloroethene

Concen: 9.944 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VU024988.D

Acq: 28 Jun 2018 00:32

Instrument :

MSVOA_U

ClientSampleId :

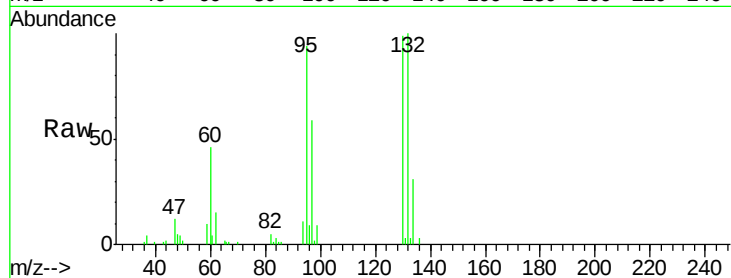
WP021SB487-25-27-180621MEDL

Tgt Ion:130 Resp: 32050

Ion Ratio Lower Upper

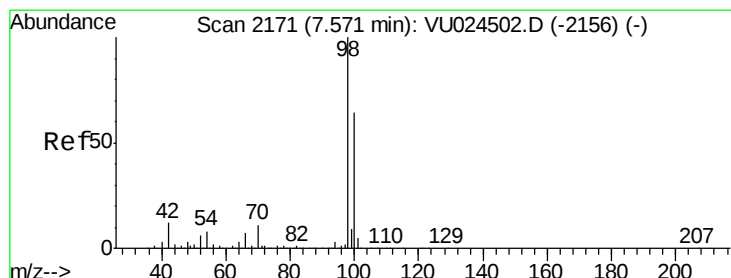
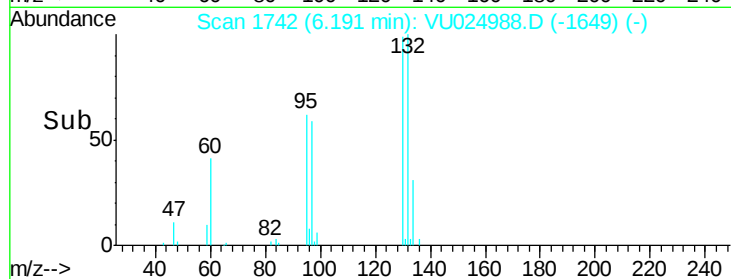
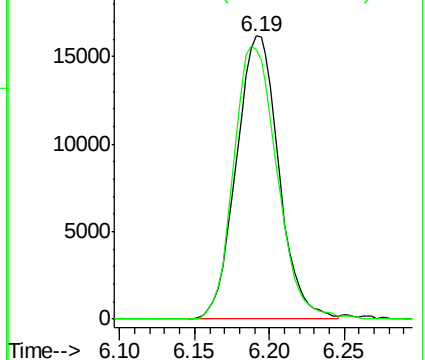
130 100

95 95.3 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: 47.926 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024988.D

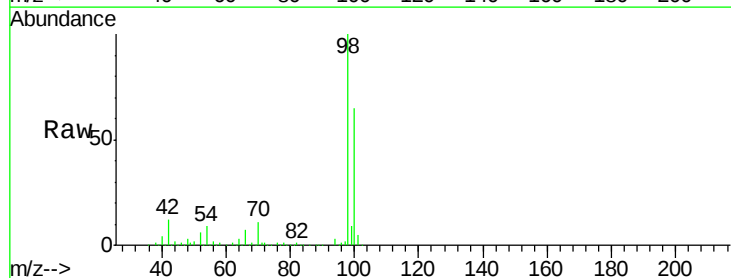
Acq: 28 Jun 2018 00:32

Tgt Ion: 98 Resp: 490701

Ion Ratio Lower Upper

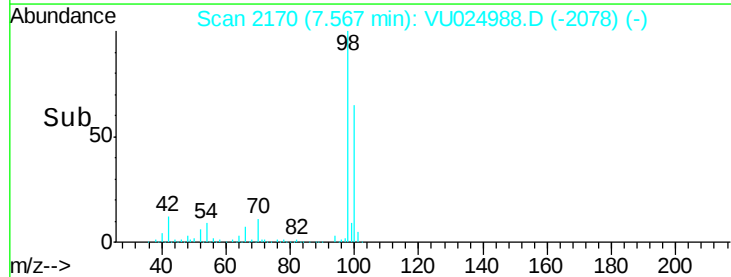
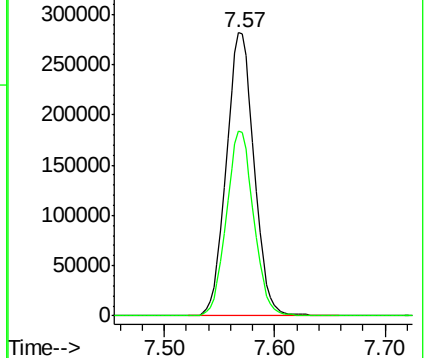
98 100

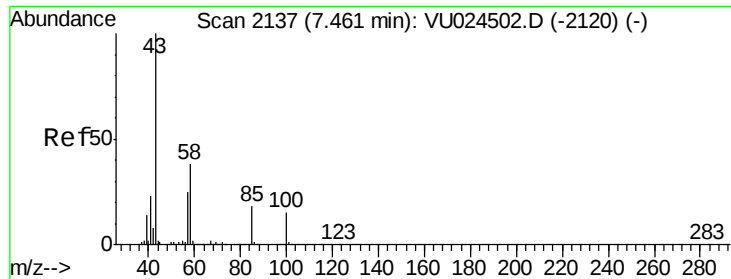
100 64.1 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#51

4-Methyl-2-Pentanone

Concen: 0.490 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. 0.11 min

Lab File: VU024988.D

Acq: 28 Jun 2018 00:32

Instrument :

MSVOA_U

ClientSampleId :

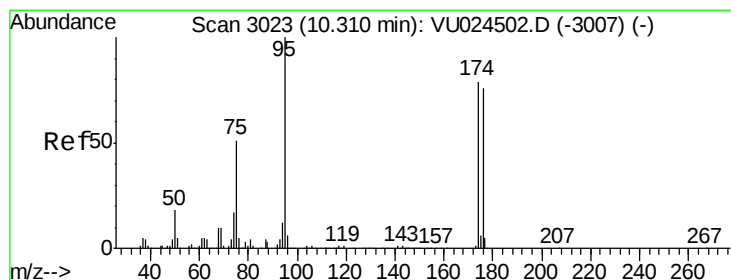
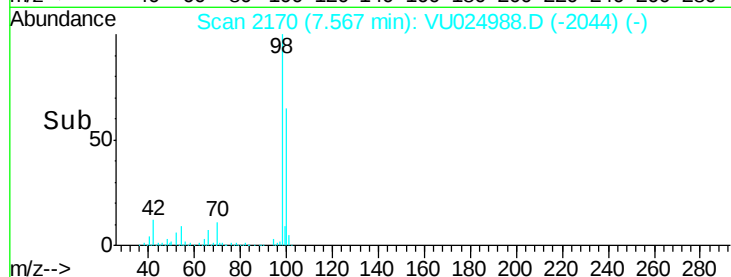
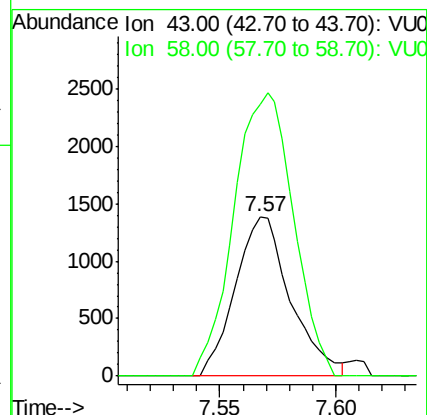
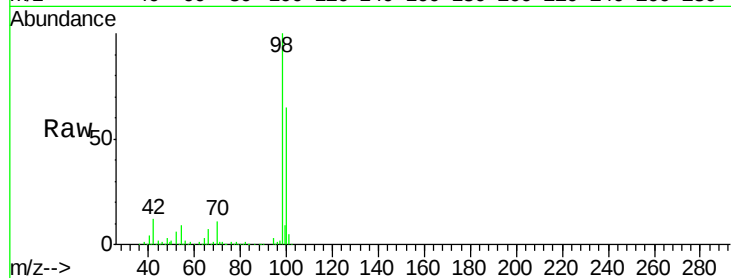
WP021SB487-25-27-180621MEDL

Tgt Ion: 43 Resp: 2304

Ion Ratio Lower Upper

43 100

58 190.3 30.0 45.0#



#62

4-Bromofluorobenzene

Concen: 44.458 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU024988.D

Acq: 28 Jun 2018 00:32

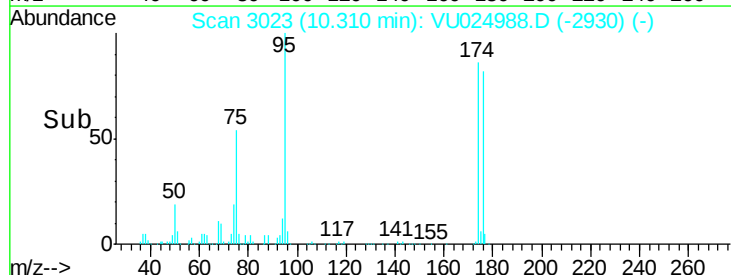
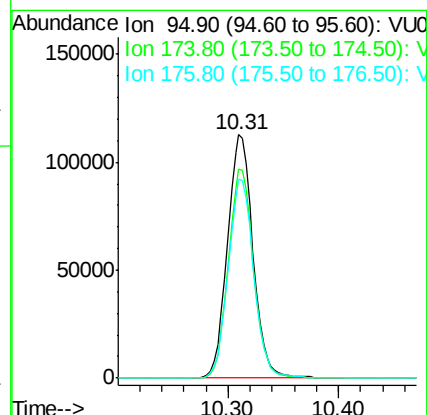
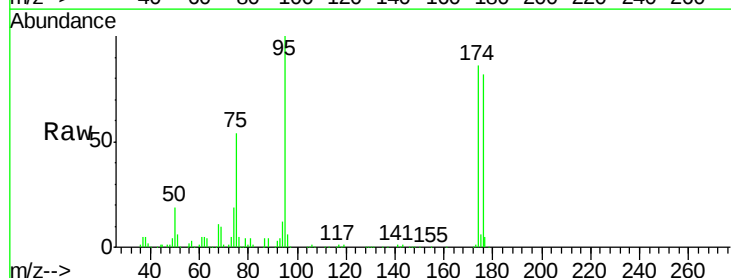
Tgt Ion: 95 Resp: 180732

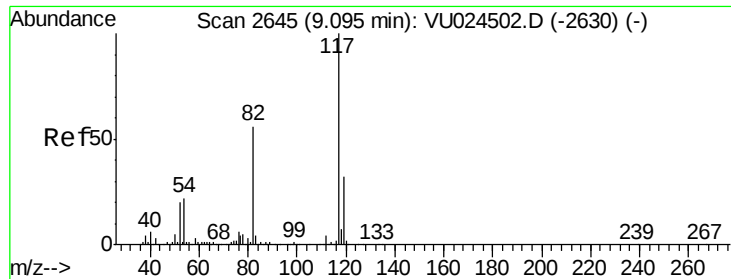
Ion Ratio Lower Upper

95 100

174 85.1 0.0 165.8

176 82.1 0.0 159.4

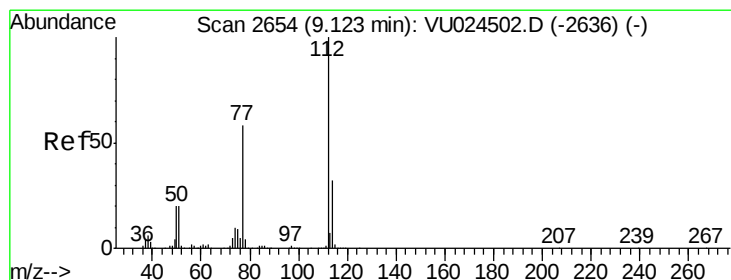
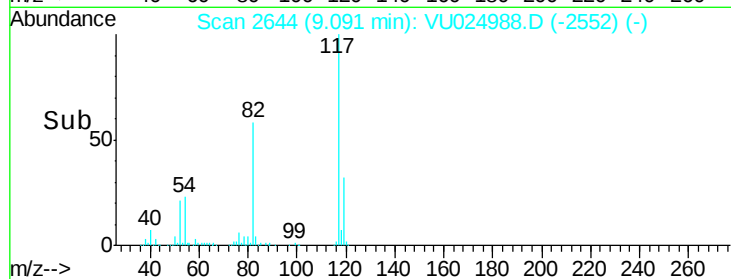
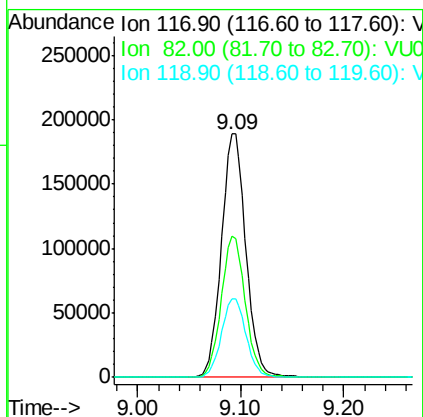
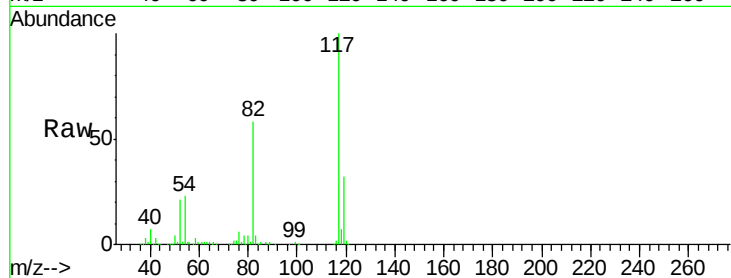




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024988.D
Acq: 28 Jun 2018 00:32

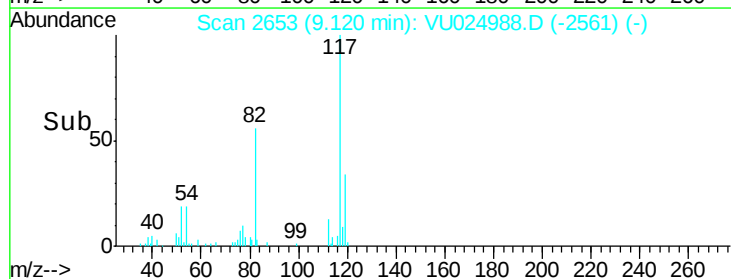
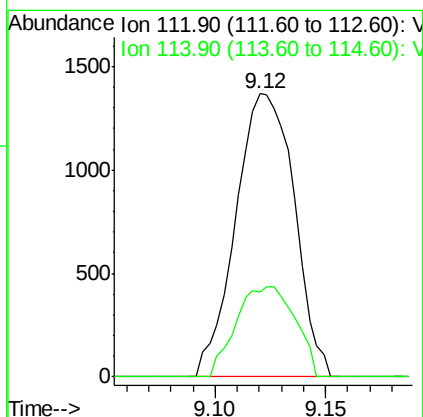
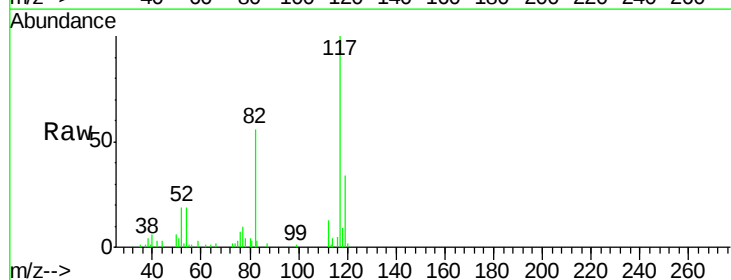
Instrument :
MSVOA_U
ClientSampleId :
WP021SB487-25-27-180621MEDL

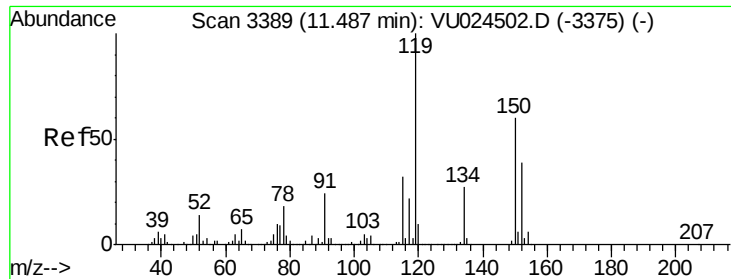
Tgt Ion:117 Resp: 312205
Ion Ratio Lower Upper
117 100
82 57.9 44.3 66.5
119 32.4 25.4 38.2



#65
Chlorobenzene
Concen: 0.316 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. -0.00 min
Lab File: VU024988.D
Acq: 28 Jun 2018 00:32

Tgt Ion:112 Resp: 2523
Ion Ratio Lower Upper
112 100
114 29.8 25.6 38.4



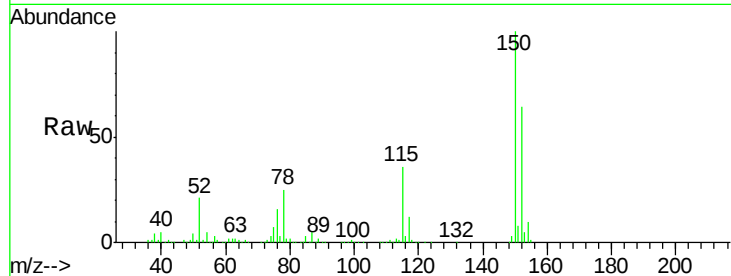


#72

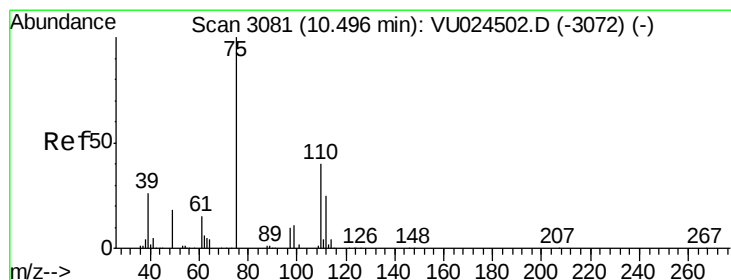
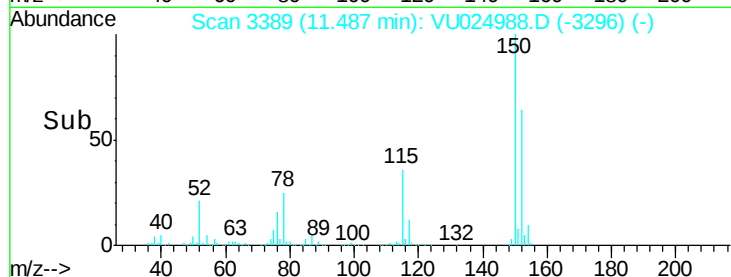
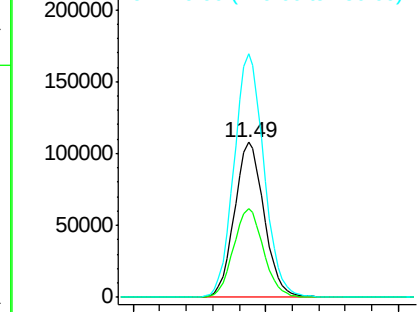
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VU024988.D
Acq: 28 Jun 2018 00:32

Instrument :
MSVOA_U
ClientSampleId :
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Tgt Ion:152 Resp: 167851
Ion Ratio Lower Upper
152 100
115 57.9 43.0 129.0
150 158.5 0.0 354.0



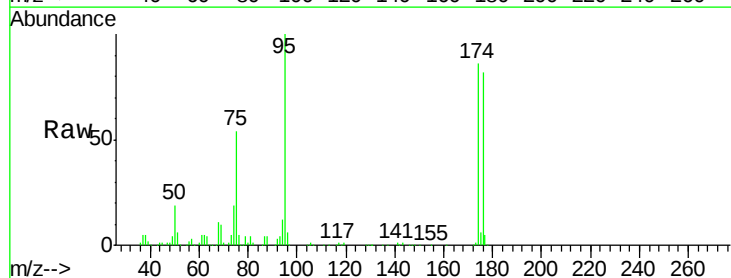
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



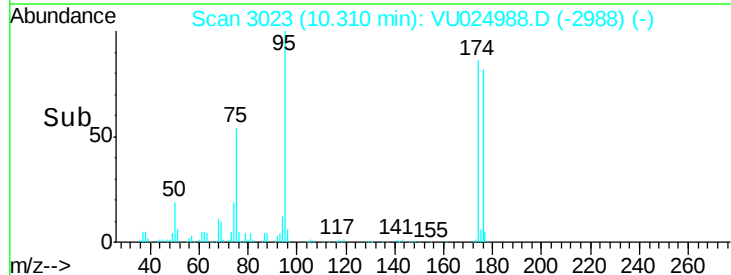
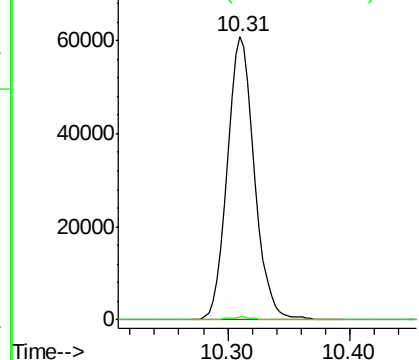
#76

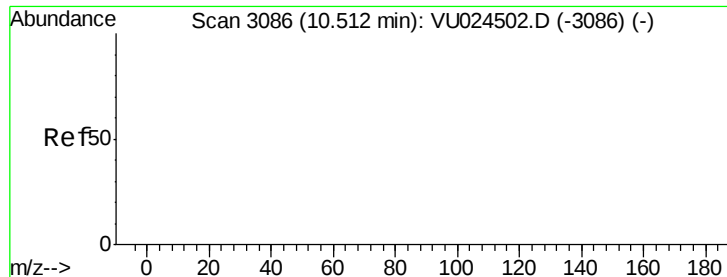
1,2,3-Trichloropropane
Concen: 25.764 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.19 min
Lab File: VU024988.D
Acq: 28 Jun 2018 00:32

Tgt Ion: 75 Resp: 95209
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

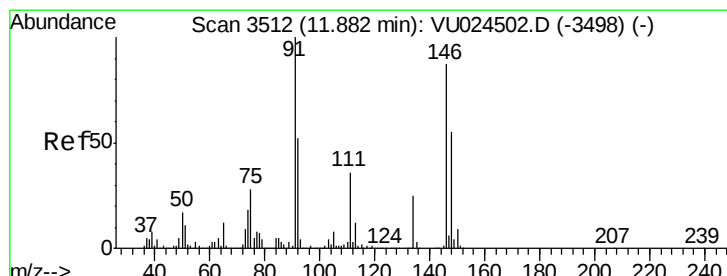
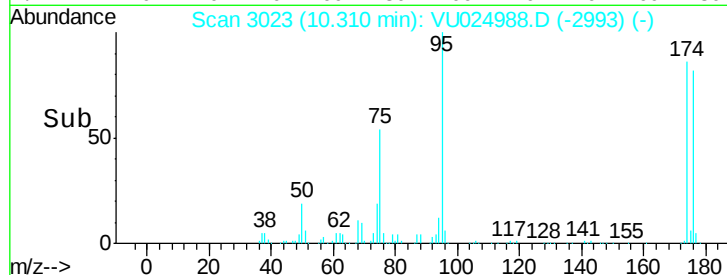
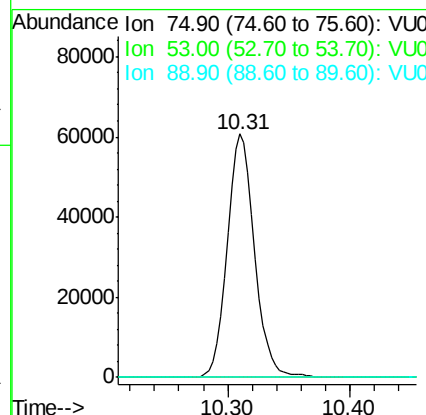
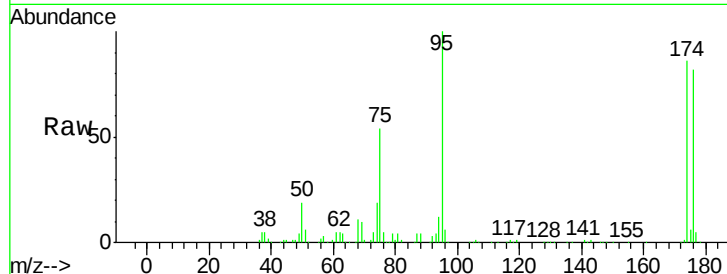




#81
trans-1,4-Dichloro-2-butene
Concen: 59.628 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.20 min
Lab File: VU024988.D
Acq: 28 Jun 2018 00:32

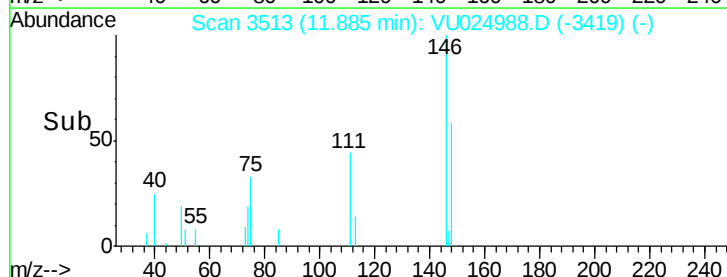
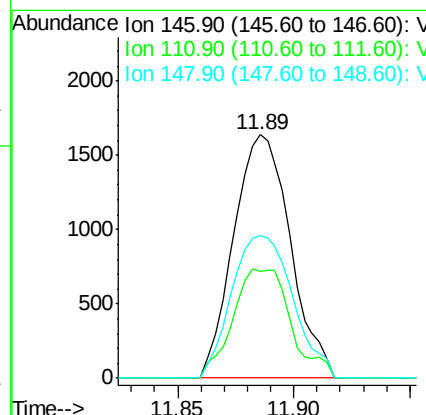
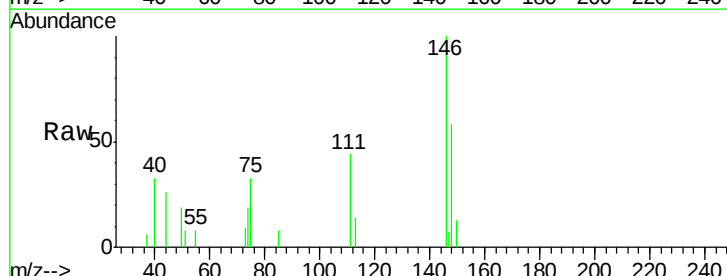
Instrument :
MSVOA_U
ClientSampleId :
WP021SB487-25-27-180621MEDL

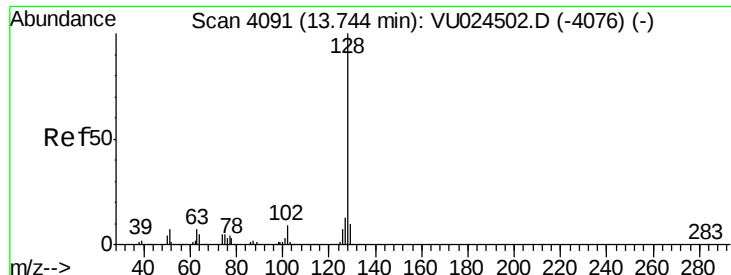
Tgt Ion: 75 Resp: 95209
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#91
1,2-Dichlorobenzene
Concen: 0.461 ug/l
RT: 11.89 min Scan# 3513
Delta R.T. 0.00 min
Lab File: VU024988.D
Acq: 28 Jun 2018 00:32

Tgt Ion: 146 Resp: 2781
Ion Ratio Lower Upper
146 100
111 45.6 20.5 61.6
148 63.4 31.9 95.7





#95

Naphthalene

Concen: 0.730 ug/l

RT: 13.77 min Scan# 4098

Delta R.T. 0.02 min

Lab File: VU024988.D

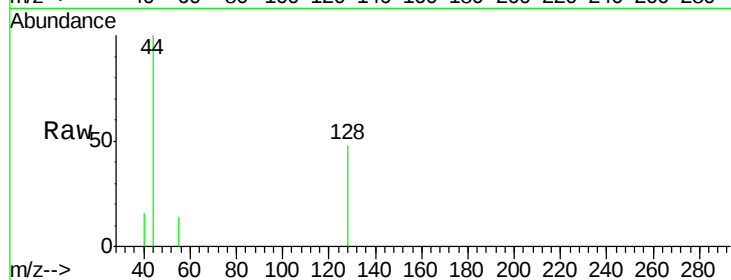
Acq: 28 Jun 2018 00:32

Instrument :

MSVOA_U

ClientSampleId :

WP021SB487-25-27-180621MEDL



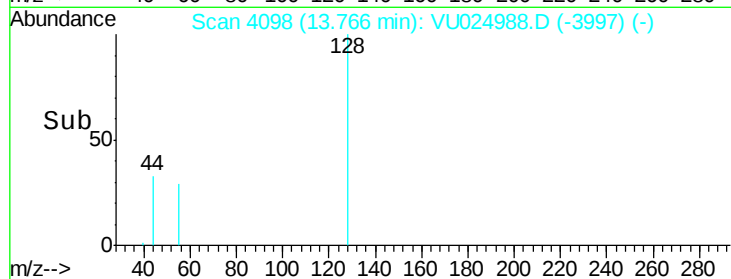
Tgt Ion:128 Resp: 641

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 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

