

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062818\
 Data File : VU025043.D
 Acq On : 29 Jun 2018 01:10
 Operator : MD/SY
 Sample : J3669-21ME
 Misc : 6.20g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB475-31-33-180620ME

Quant Time: Jun 29 05:15:09 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	4.98	168	228943	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	343341	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	331280	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	186908	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	173778	46.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.00%	
35) Dibromofluoromethane	4.89	113	131311	46.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.16%	
50) Toluene-d8	7.57	98	499705	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	
62) 4-Bromofluorobenzene	10.32	95	208479	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	

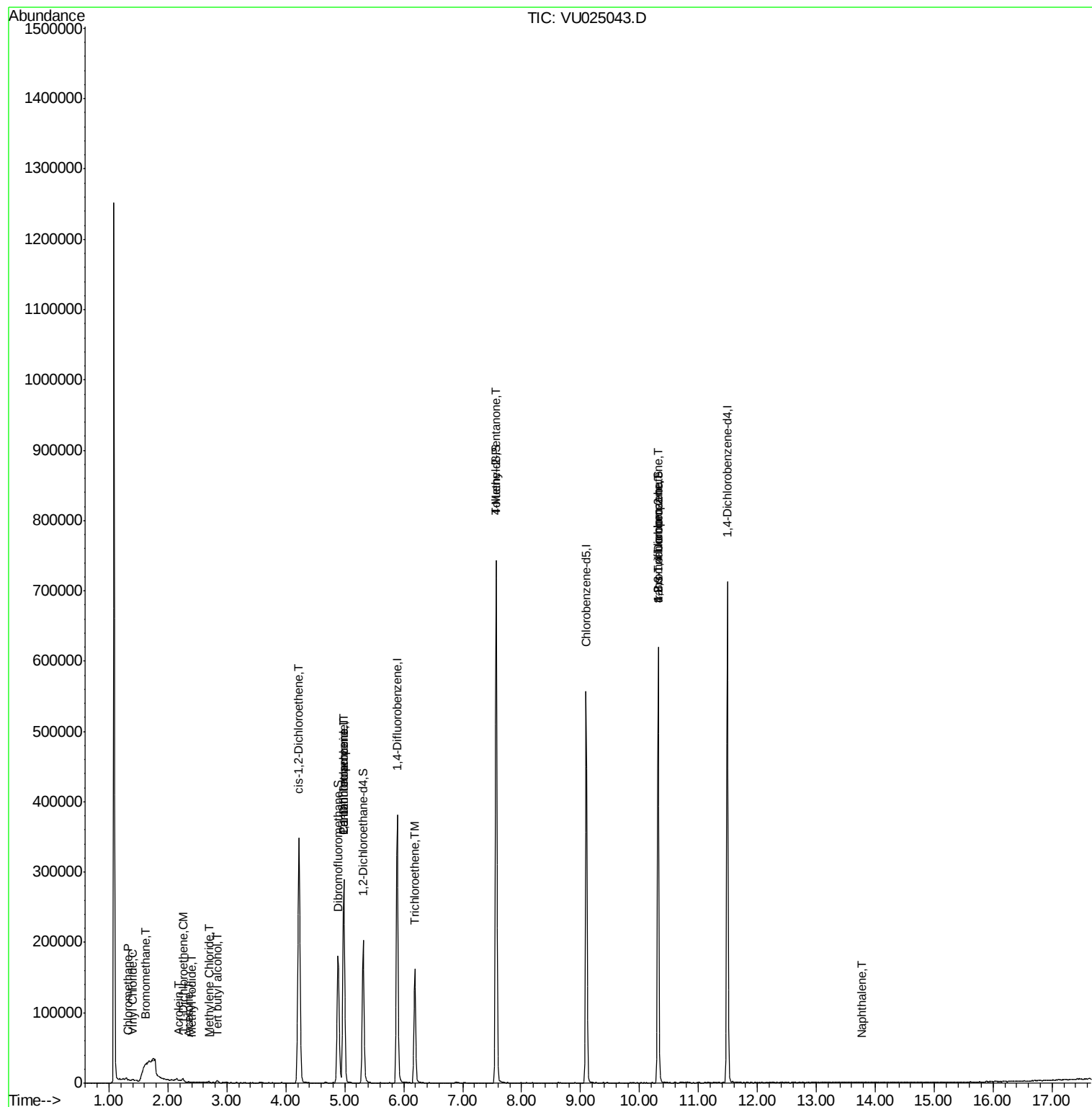
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	992	0.339	ug/l	92
4) Vinyl Chloride	1.40	62	1171	0.388	ug/l #	67
5) Bromomethane	1.60	94	817	0.560	ug/l	95
6) Chloroethane	1.67	64	160	Below Cal	#	1
8) Diethyl Ether	1.93	74	46	Below Cal	#	1
10) Methyl Iodide	2.40	142	711	5.551	ug/l #	82
11) Tert butyl alcohol	2.83	59	1704	1.875	ug/l #	72
12) 1,1-Dichloroethene	2.26	96	1076	0.413	ug/l	86
13) Acrolein	2.18	56	108	0.226	ug/l #	53
16) Acetone	2.34	43	750	0.373	ug/l #	44
20) Methylene Chloride	2.69	84	762	0.242	ug/l #	84
27) cis-1,2-Dichloroethene	4.22	96	204306	61.894	ug/l	88
31) Cyclohexane	4.98	56	4782	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	17093	4.237	ug/l #	52
38) Carbon Tetrachloride	4.98	117	21695	4.890	ug/l #	16
44) Trichloroethene	6.19	130	58742	17.954	ug/l	92
51) 4-Methyl-2-Pentanone	7.57	43	2397	0.502	ug/l #	1
76) 1,2,3-Trichloropropane	10.32	75	107552	26.136	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.32	75	107552	60.490	ug/l #	100
95) Naphthalene	13.76	128	297	0.701	ug/l #	69

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1366

Delta R.T. -0.01 min

Lab File: VU025043.D

Acq: 29 Jun 2018 01:10

Instrument :

MSVOA_U

ClientSampleId :

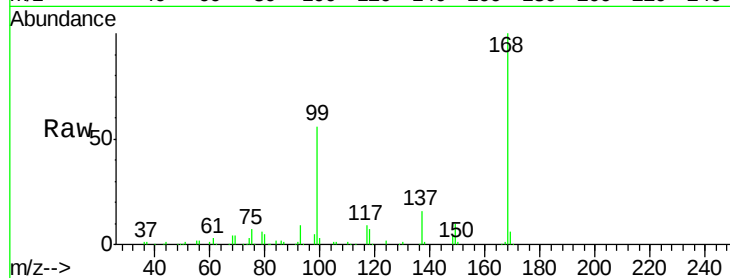
WP021SB475-31-33-180620ME

Tgt Ion:168 Resp: 228943

Ion Ratio Lower Upper

168 100

99 55.5 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) (-)

4.98

120000

100000

80000

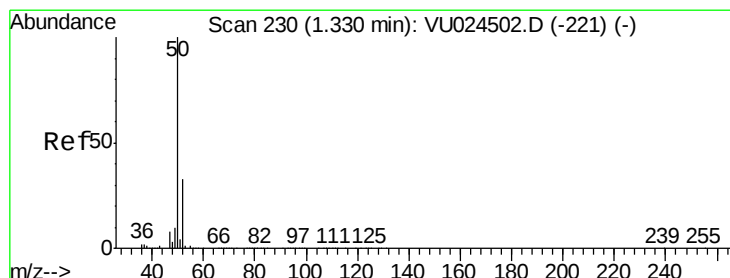
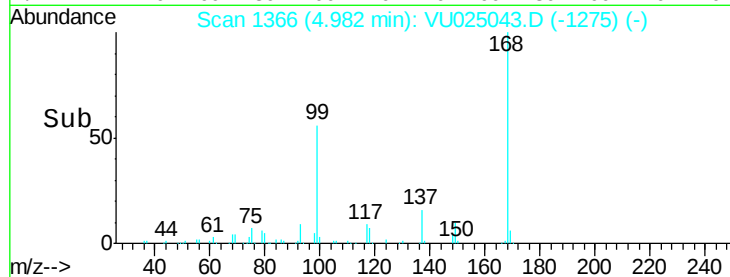
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.339 ug/l

RT: 1.32 min Scan# 228

Delta R.T. -0.01 min

Lab File: VU025043.D

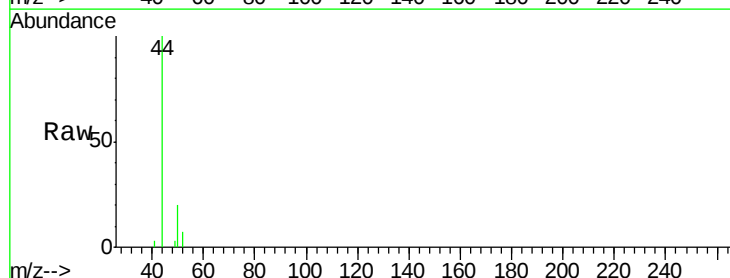
Acq: 29 Jun 2018 01:10

Tgt Ion: 50 Resp: 992

Ion Ratio Lower Upper

50 100

52 37.4 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) (-)

1.32

800

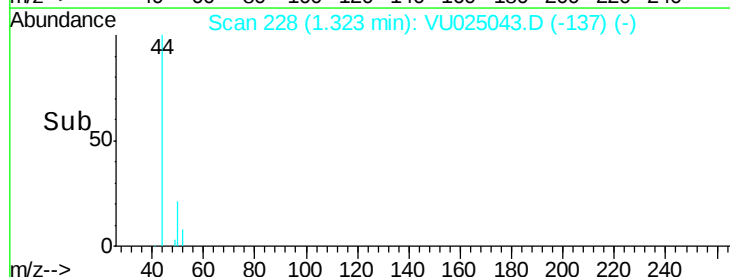
600

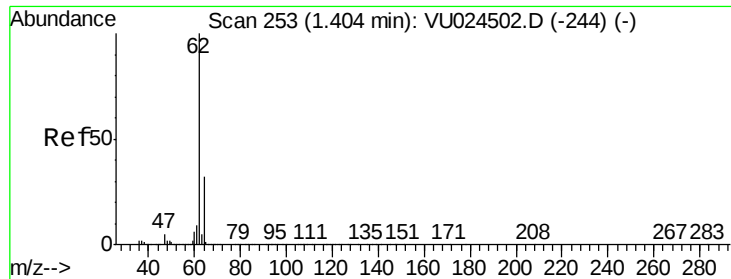
400

200

0

Time-->





#4

Vinyl Chloride

Concen: 0.388 ug/l

RT: 1.40 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU025043.D

Acq: 29 Jun 2018 01:10

Instrument :

MSVOA_U

ClientSampleId :

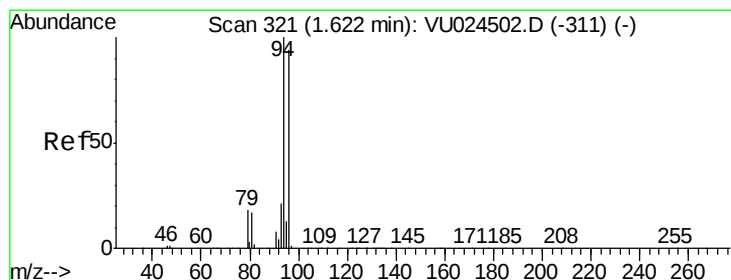
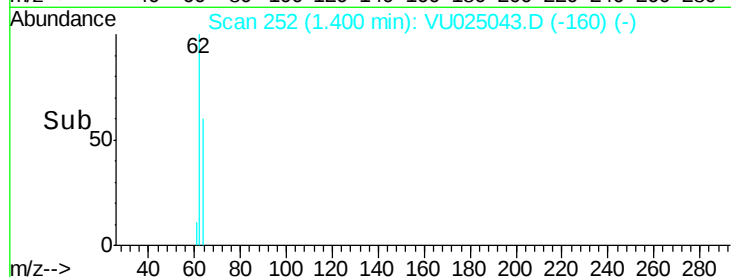
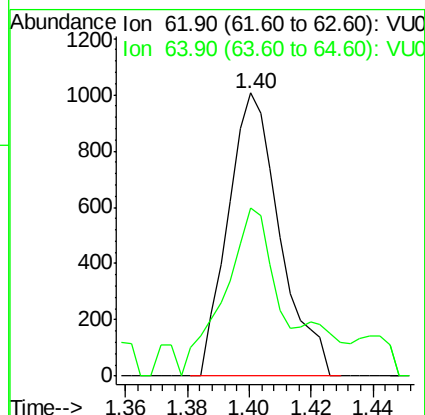
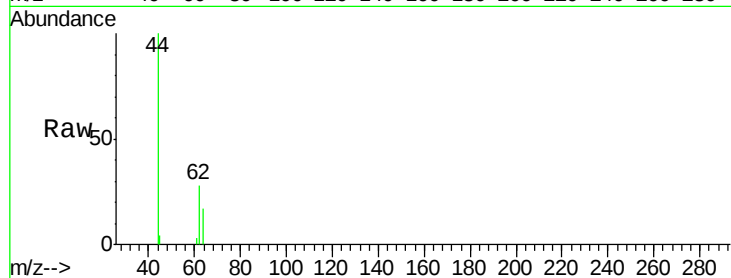
WP021SB475-31-33-180620ME

Tgt Ion: 62 Resp: 1171

Ion Ratio Lower Upper

62 100

64 49.4 24.8 37.2#



#5

Bromomethane

Concen: 0.560 ug/l

RT: 1.60 min Scan# 315

Delta R.T. -0.02 min

Lab File: VU025043.D

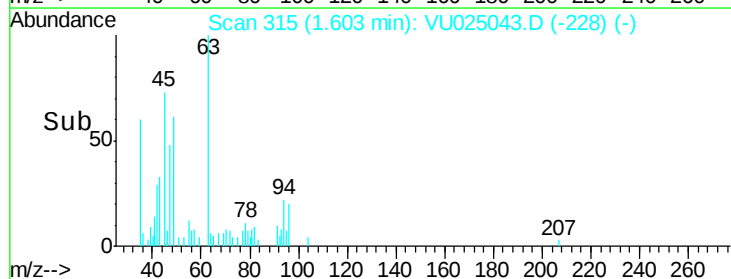
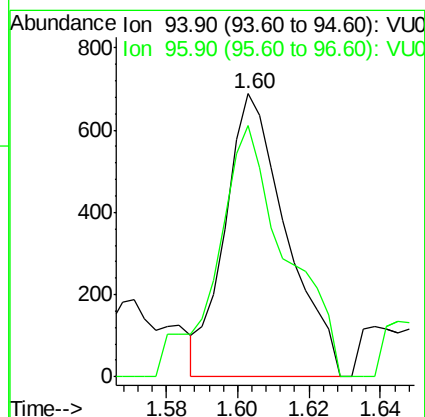
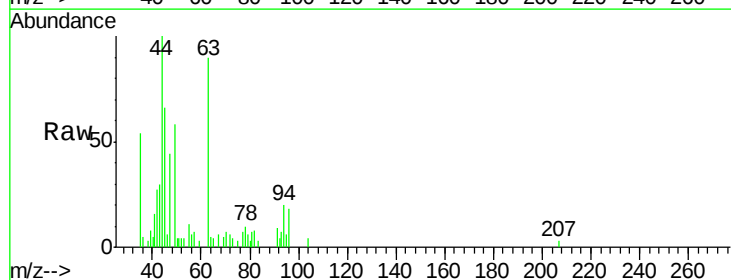
Acq: 29 Jun 2018 01:10

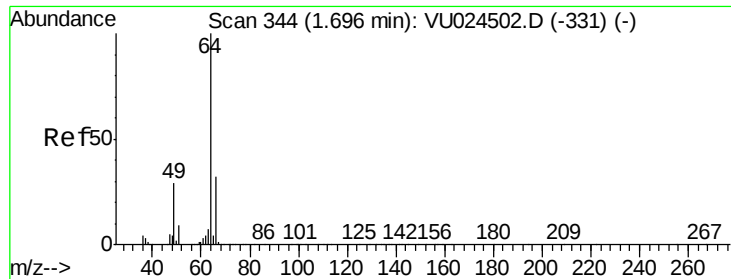
Tgt Ion: 94 Resp: 817

Ion Ratio Lower Upper

94 100

96 88.7 74.5 111.7





#6

Chloroethane

Concen: Below Cal

RT: 1.67 min Scan# 335

Delta R.T. -0.03 min

Lab File: VU025043.D

Acq: 29 Jun 2018 01:10

Instrument :

MSVOA_U

ClientSampleId :

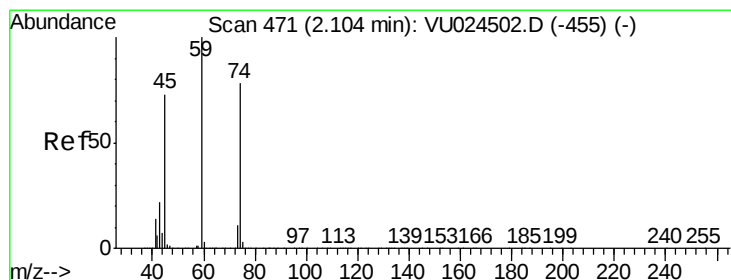
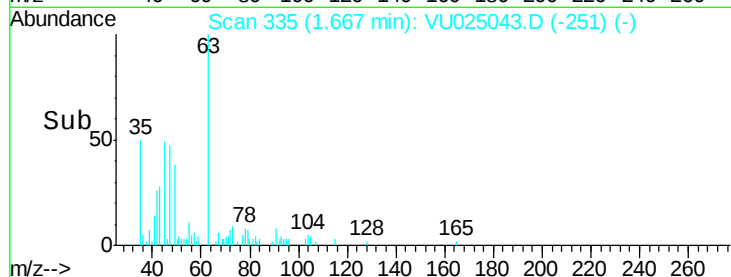
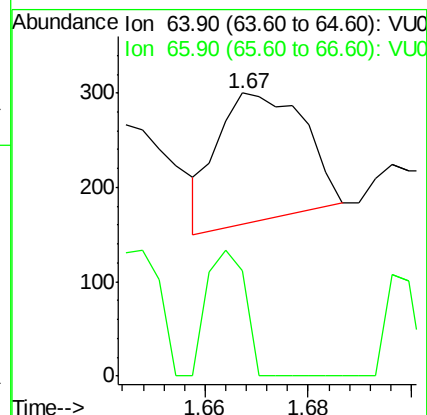
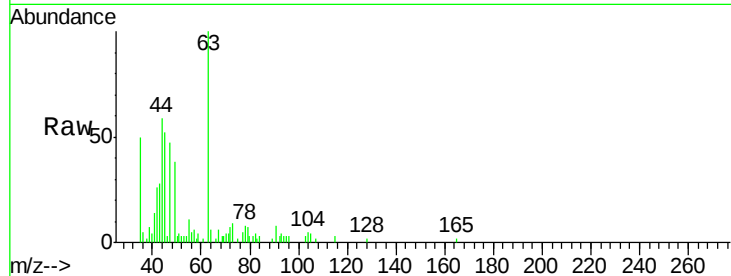
WP021SB475-31-33-180620ME

Tgt Ion: 64 Resp: 160

Ion Ratio Lower Upper

64 100

66 96.6 25.5 38.3#



#8

Diethyl Ether

Concen: Below Cal

RT: 1.93 min Scan# 418

Delta R.T. -0.17 min

Lab File: VU025043.D

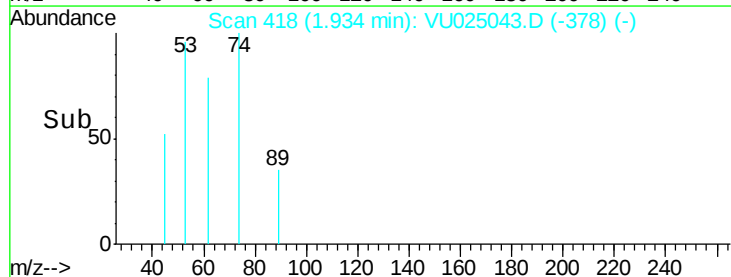
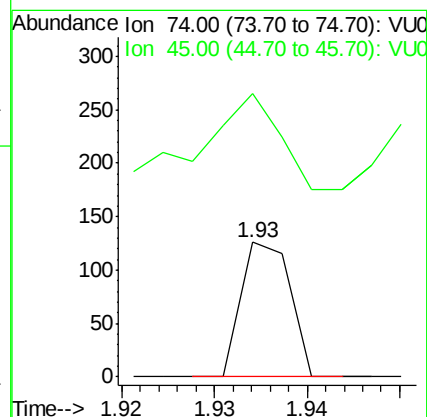
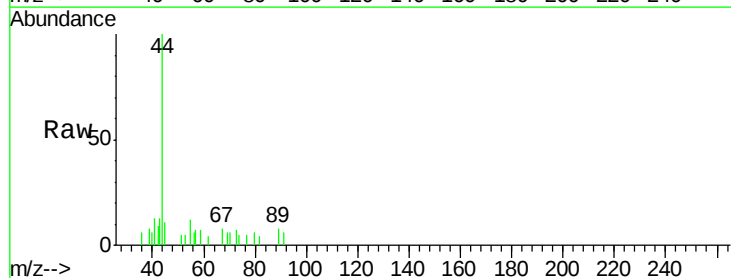
Acq: 29 Jun 2018 01:10

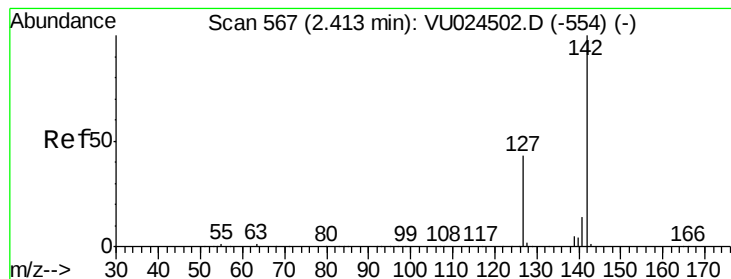
Tgt Ion: 74 Resp: 46

Ion Ratio Lower Upper

74 100

45 304.3 55.0 165.0#





#10

Methyl Iodide

Concen: 5.551 ug/l

RT: 2.40 min Scan# 563

Delta R.T. -0.01 min

Lab File: VU025043.D

Acq: 29 Jun 2018 01:10

Instrument :

MSVOA_U

ClientSampleId :

WP021SB475-31-33-180620ME

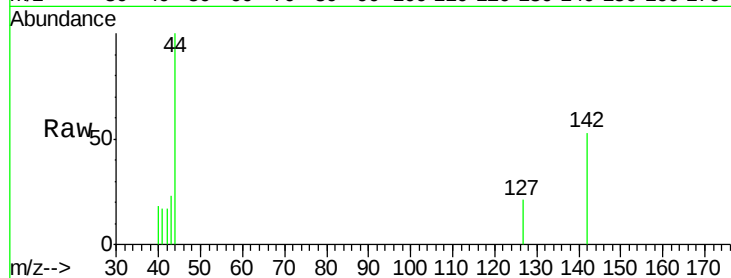
Tgt Ion: 142 Resp: 711

Ion Ratio Lower Upper

142 100

127 36.6 35.6 53.4

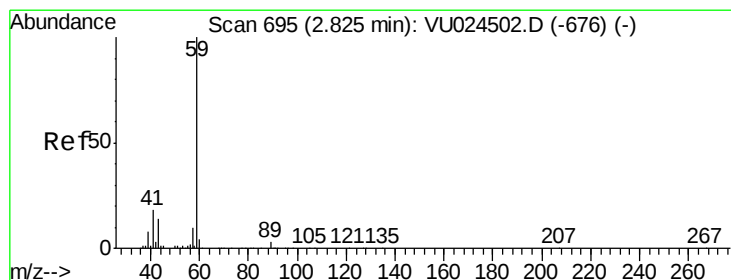
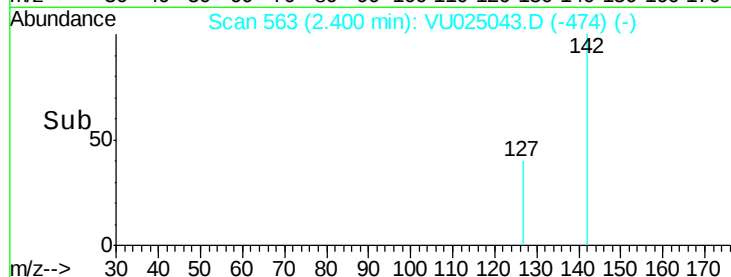
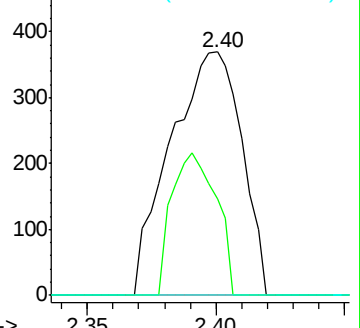
141 0.0 11.7 17.5#



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



#11

Tert butyl alcohol

Concen: 1.875 ug/l

RT: 2.83 min Scan# 696

Delta R.T. 0.00 min

Lab File: VU025043.D

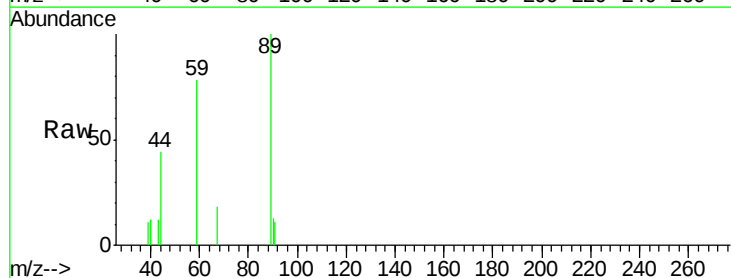
Acq: 29 Jun 2018 01:10

Tgt Ion: 59 Resp: 1704

Ion Ratio Lower Upper

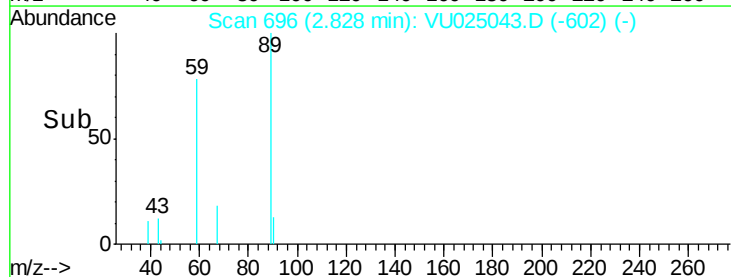
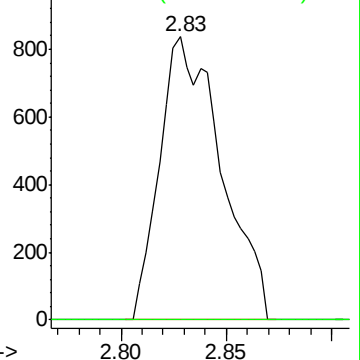
59 100

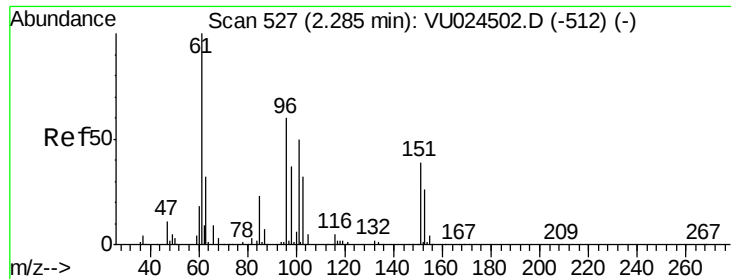
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#12

1,1-Dichloroethene

Concen: 0.413 ug/l

RT: 2.26 min Scan# 519

Delta R.T. -0.03 min

Lab File: VU025043.D

Acq: 29 Jun 2018 01:10

Instrument :

MSVOA_U

ClientSampleId :

WP021SB475-31-33-180620ME

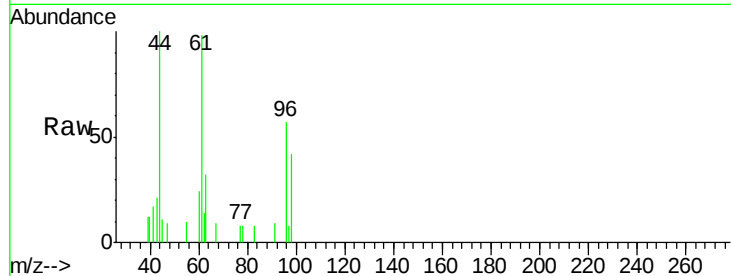
Tgt Ion: 96 Resp: 1076

Ion Ratio Lower Upper

96 100

61 156.0 141.7 212.5

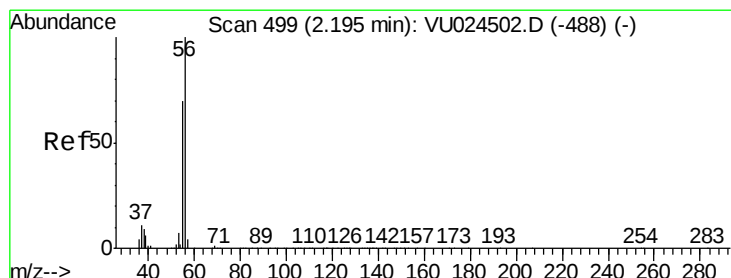
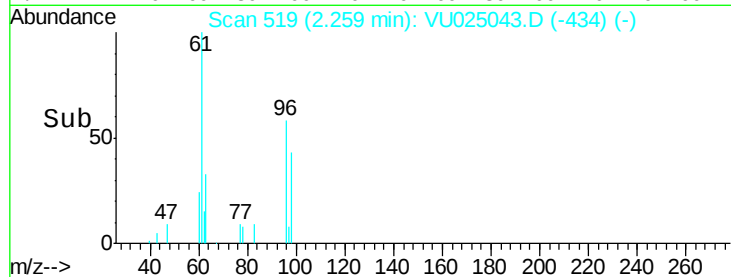
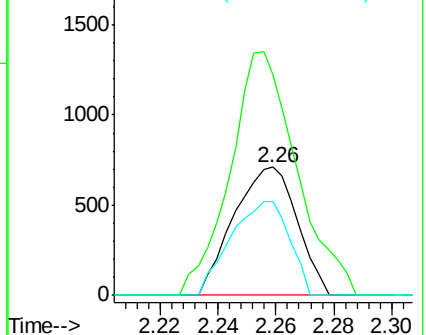
98 73.3 51.6 77.4



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



#13

Acrolein

Concen: 0.226 ug/l

RT: 2.18 min Scan# 495

Delta R.T. -0.01 min

Lab File: VU025043.D

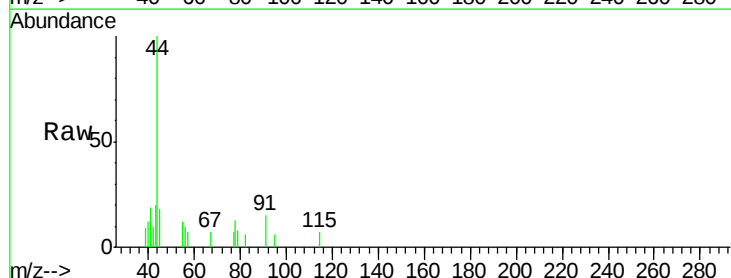
Acq: 29 Jun 2018 01:10

Tgt Ion: 56 Resp: 108

Ion Ratio Lower Upper

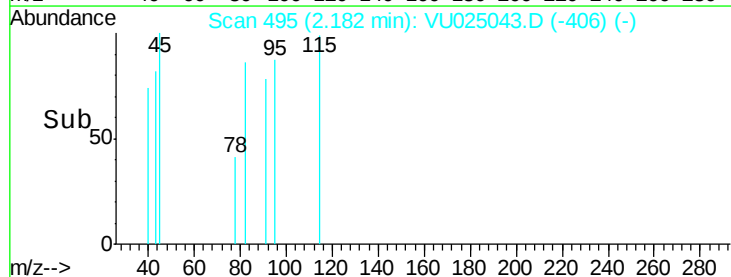
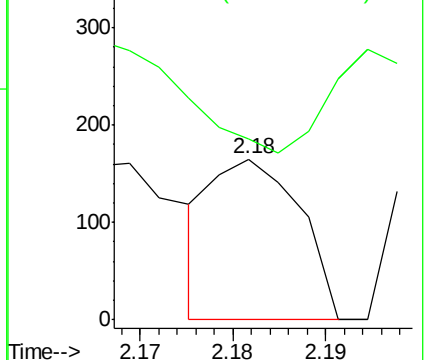
56 100

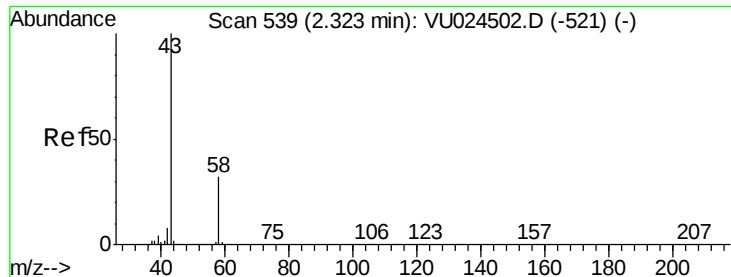
55 112.0 58.4 87.6#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0





#16

Acetone

Concen: 0.373 ug/l

RT: 2.34 min Scan# 545

Delta R.T. 0.02 min

Lab File: VU025043.D

Acq: 29 Jun 2018 01:10

Instrument :

MSVOA_U

ClientSampleId :

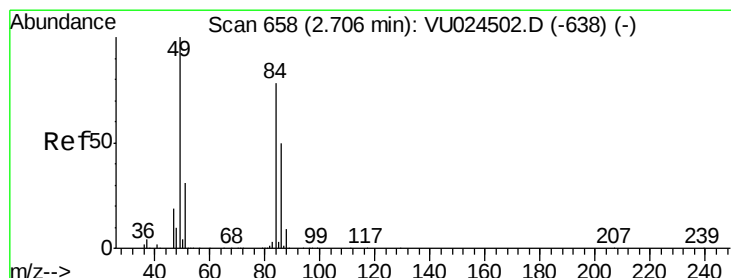
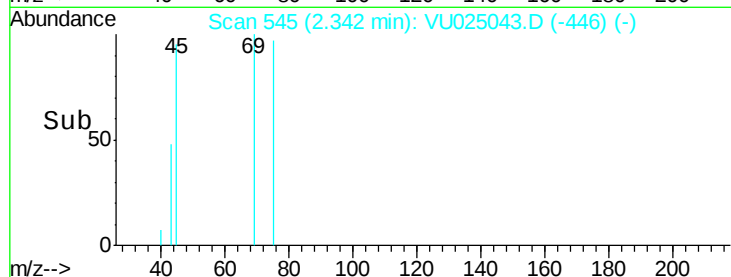
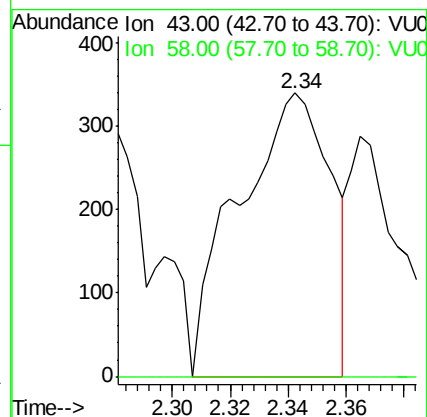
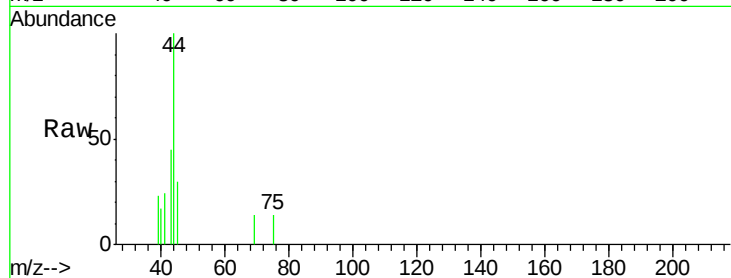
WP021SB475-31-33-180620ME

Tgt Ion: 43 Resp: 750

Ion Ratio Lower Upper

43 100

58 0.0 24.4 36.6#



#20

Methylene Chloride

Concen: 0.242 ug/l

RT: 2.69 min Scan# 653

Delta R.T. -0.02 min

Lab File: VU025043.D

Acq: 29 Jun 2018 01:10

Tgt Ion: 84 Resp: 762

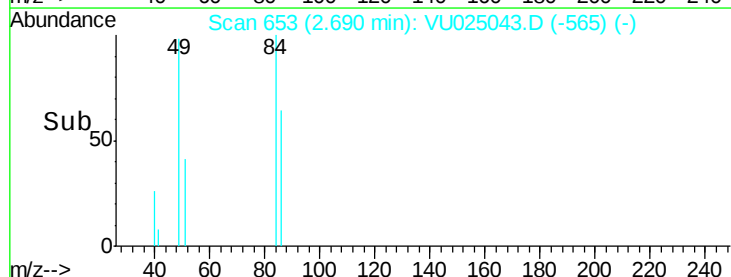
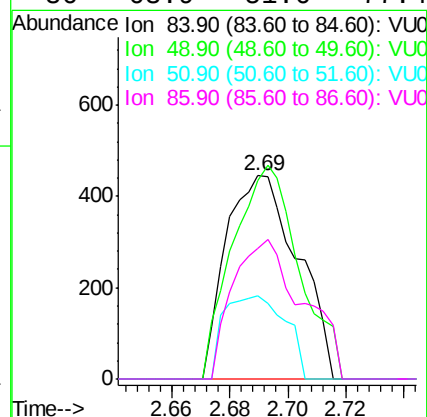
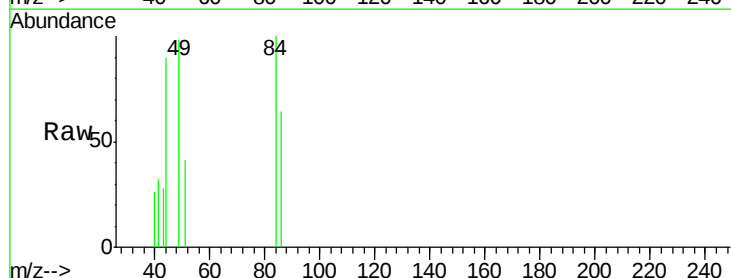
Ion Ratio Lower Upper

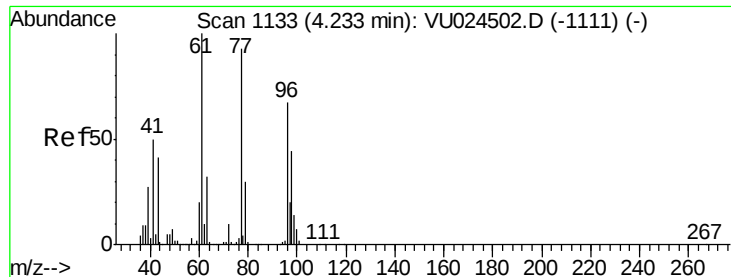
84 100

49 97.8 103.8 155.8#

51 41.0 32.0 48.0

86 63.9 51.6 77.4

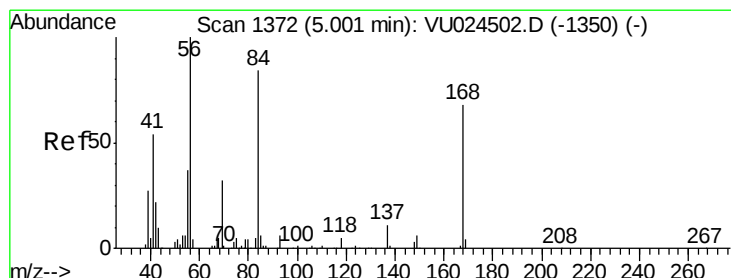
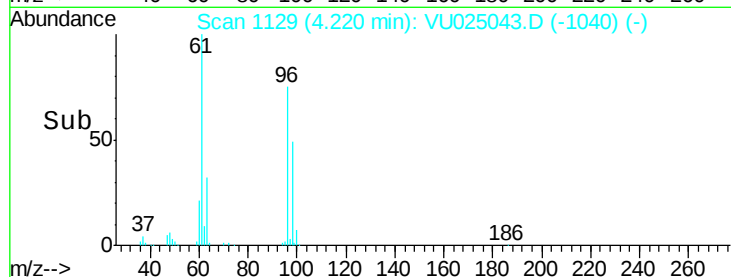
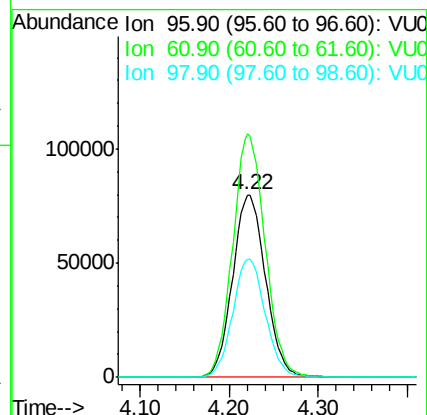
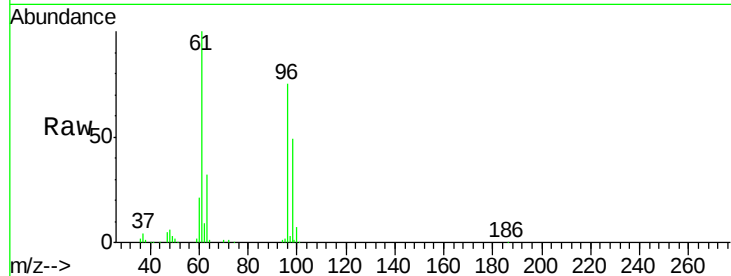




#27
 cis-1,2-Dichloroethene
 Concen: 61.894 ug/l
 RT: 4.22 min Scan# 1129
 Delta R.T. -0.01 min
 Lab File: VU025043.D
 Acq: 29 Jun 2018 01:10

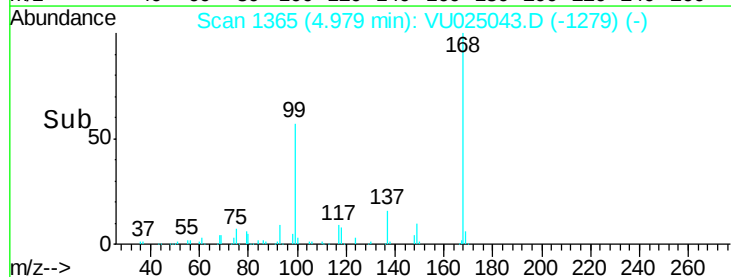
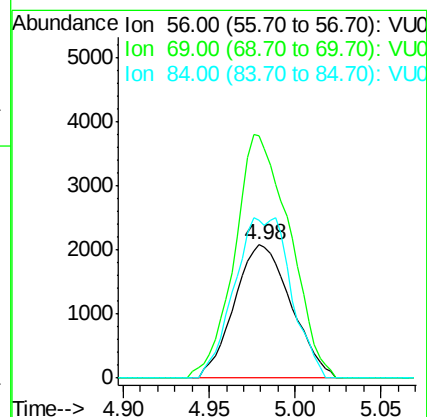
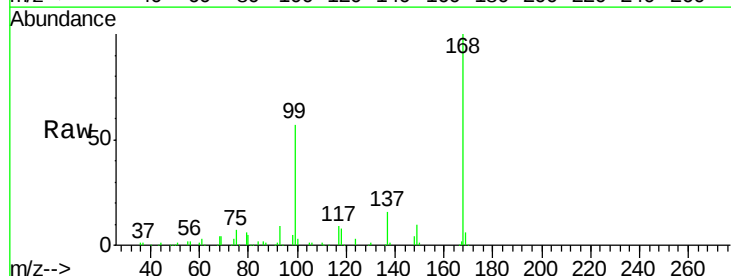
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB475-31-33-180620ME

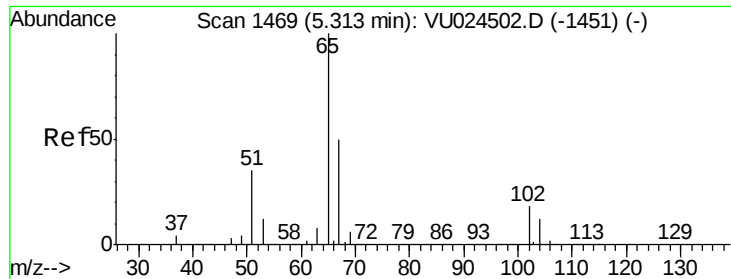
Tgt Ion	Ratio	Lower	Upper
96	100		
61	131.6	0.0	306.6
98	64.2	0.0	128.8



#31
 Cyclohexane
 Concen: Below Cal
 RT: 4.98 min Scan# 1365
 Delta R.T. -0.02 min
 Lab File: VU025043.D
 Acq: 29 Jun 2018 01:10

Tgt Ion	Ratio	Lower	Upper
56	100		
69	182.7	24.8	37.2#
84	118.5	65.2	97.8#

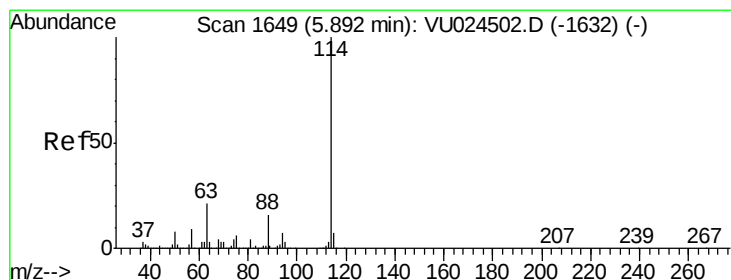
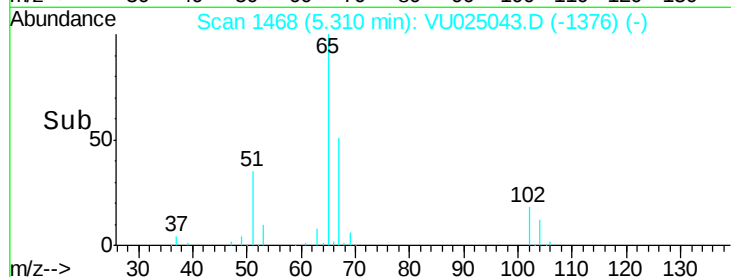
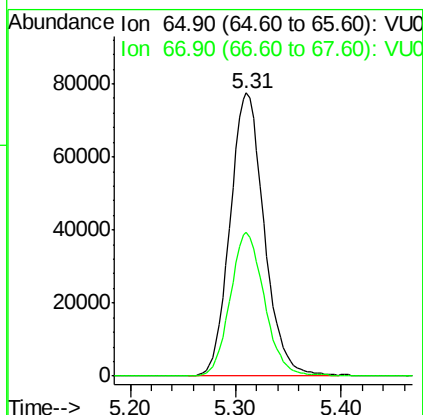
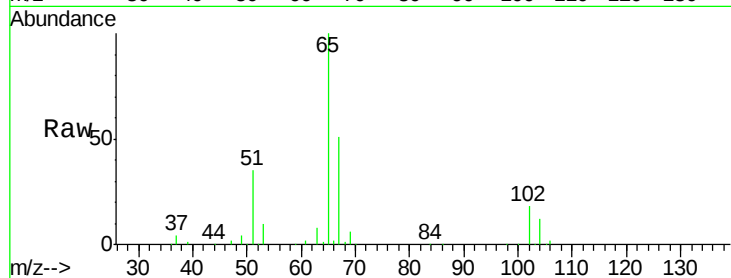




#33
 1,2-Dichloroethane-d4
 Concen: 46.495 ug/l
 RT: 5.31 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: VU025043.D
 Acq: 29 Jun 2018 01:10

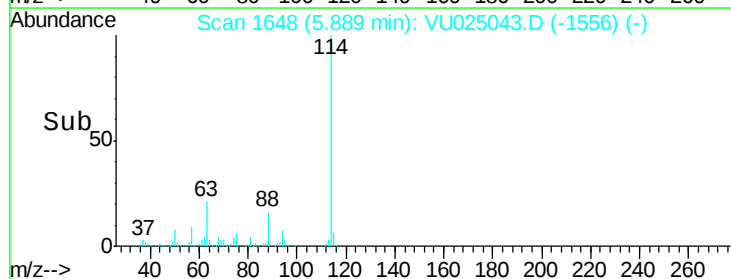
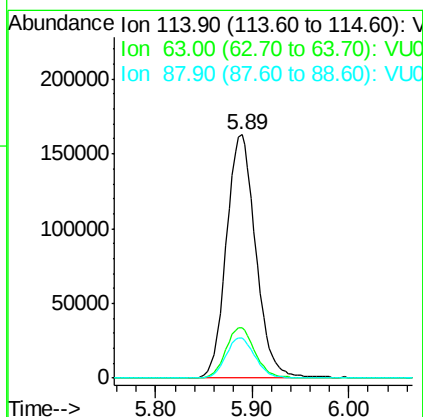
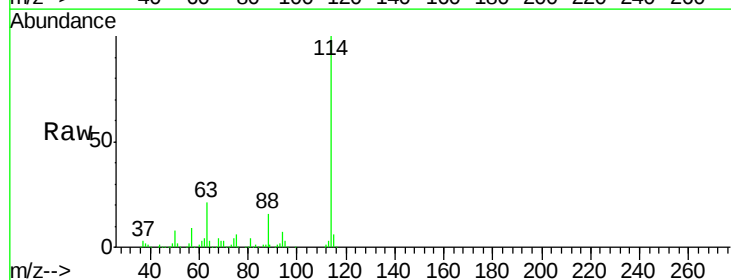
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB475-31-33-180620ME

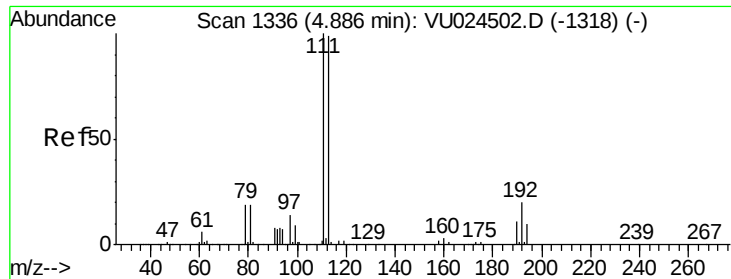
Tgt Ion: 65 Resp: 173778
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025043.D
 Acq: 29 Jun 2018 01:10

Tgt Ion: 114 Resp: 343341
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 45.4
 88 16.4 0.0 31.0

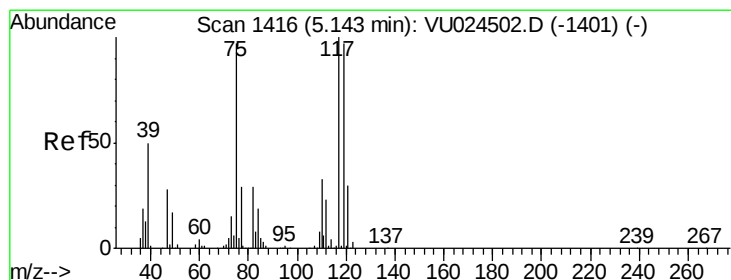
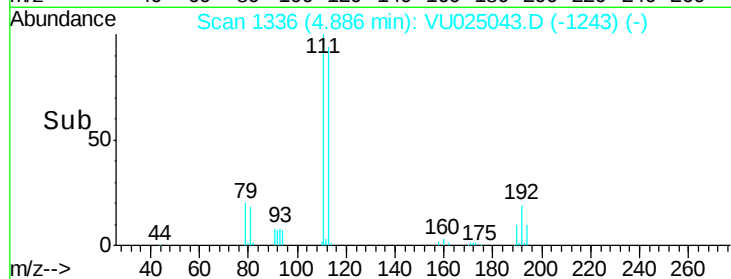
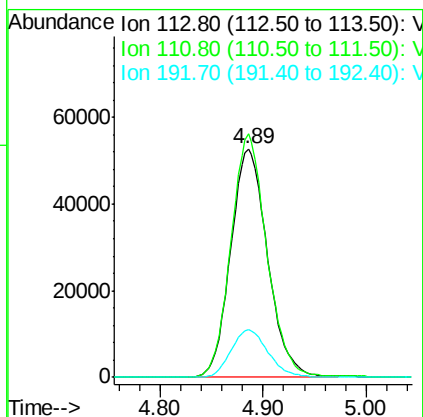
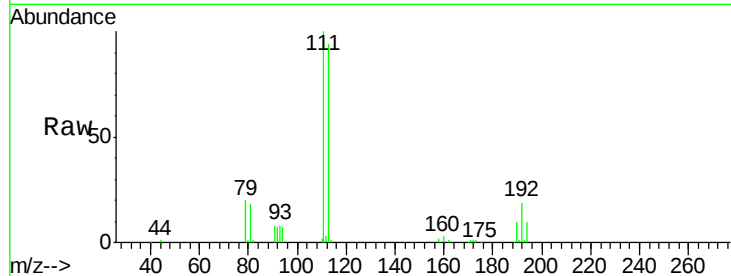




#35
 Dibromofluoromethane
 Concen: 46.083 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU025043.D
 Acq: 29 Jun 2018 01:10

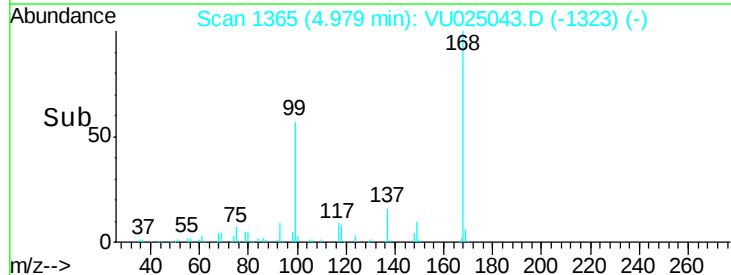
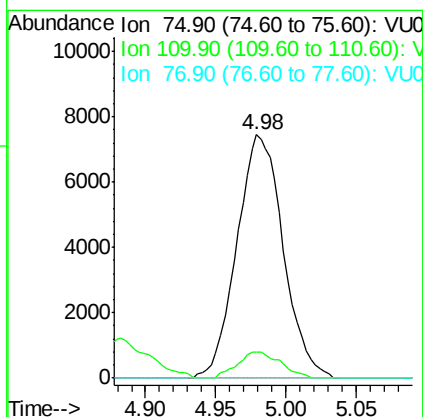
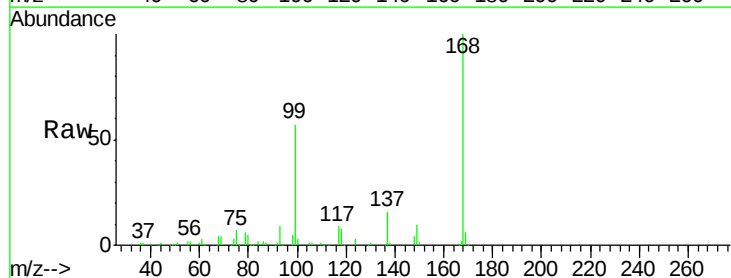
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB475-31-33-180620ME

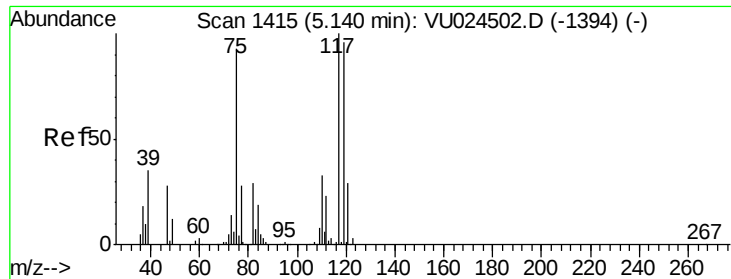
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.2	123.4
192	20.9	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 4.237 ug/l
 RT: 4.98 min Scan# 1365
 Delta R.T. -0.16 min
 Lab File: VU025043.D
 Acq: 29 Jun 2018 01:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.0	17.0	50.9#
77	0.0	24.2	36.4#

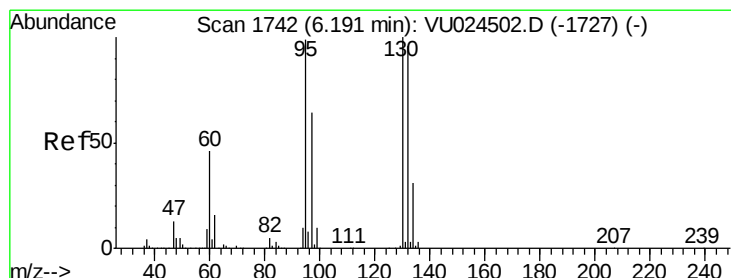
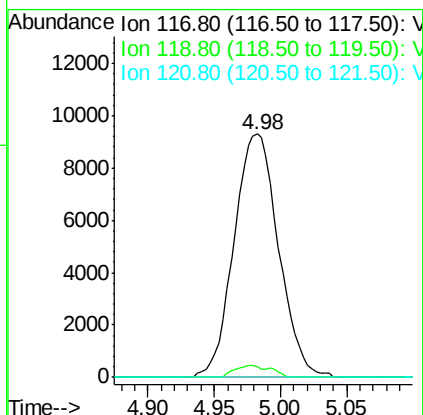
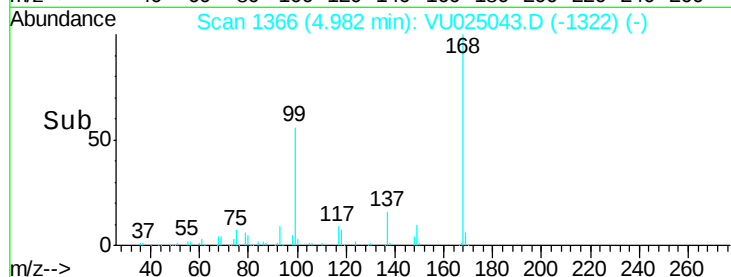
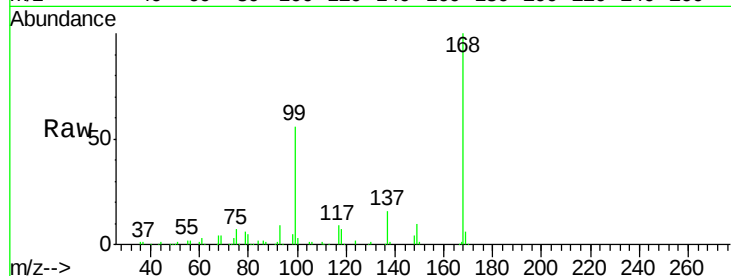




#38
Carbon Tetrachloride
Concen: 4.890 ug/l
RT: 4.98 min Scan# 1366
Delta R.T. -0.16 min
Lab File: VU025043.D
Acq: 29 Jun 2018 01:10

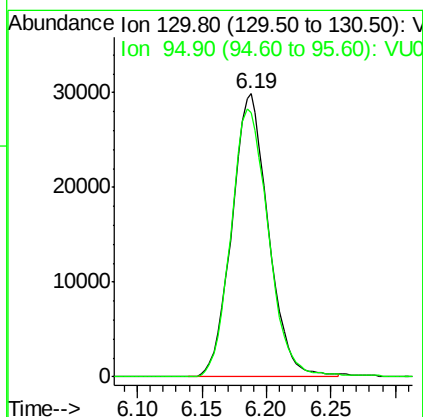
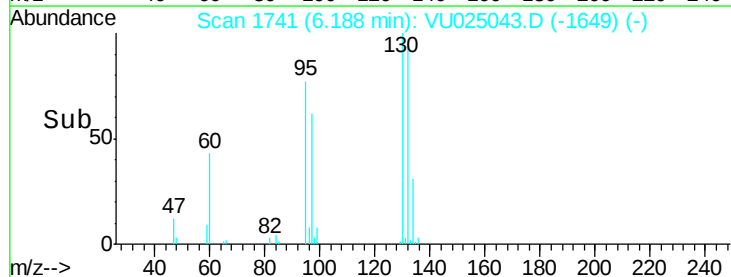
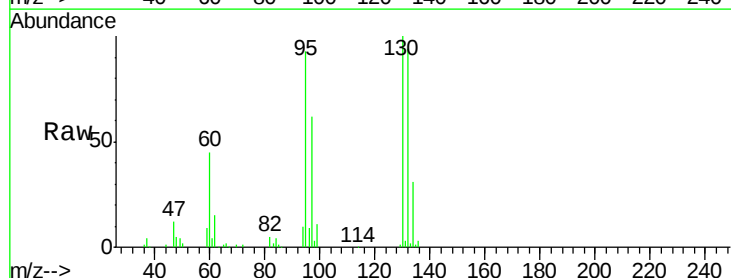
Instrument :
MSVOA_U
ClientSampleId :
WP021SB475-31-33-180620ME

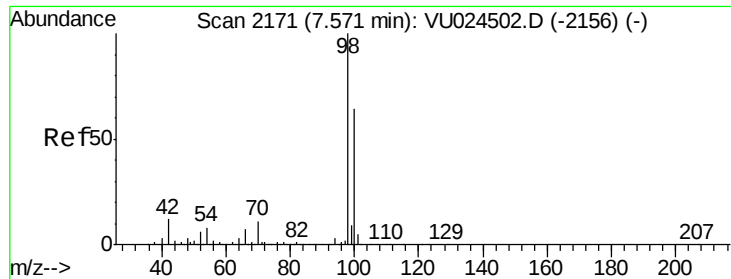
Tgt Ion:117 Resp: 21695
Ion Ratio Lower Upper
117 100
119 4.1 76.1 114.1#
121 0.0 23.7 35.5#



#44
Trichloroethene
Concen: 17.954 ug/l
RT: 6.19 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VU025043.D
Acq: 29 Jun 2018 01:10

Tgt Ion:130 Resp: 58742
Ion Ratio Lower Upper
130 100
95 93.1 0.0 202.4

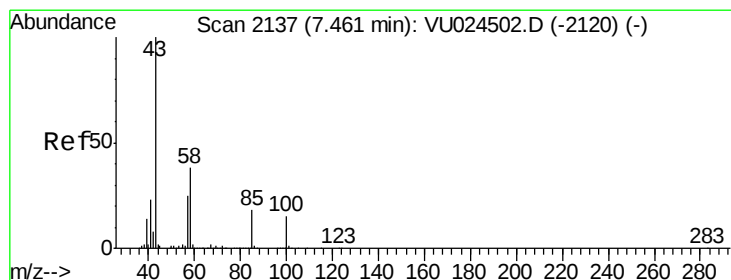
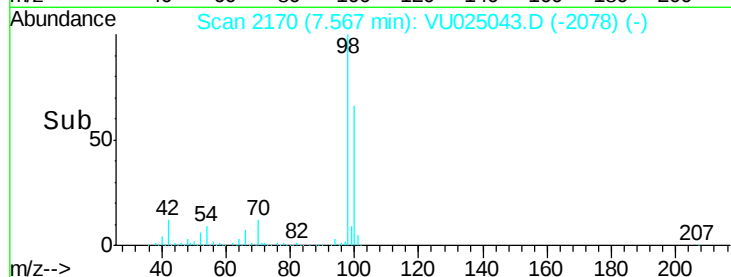
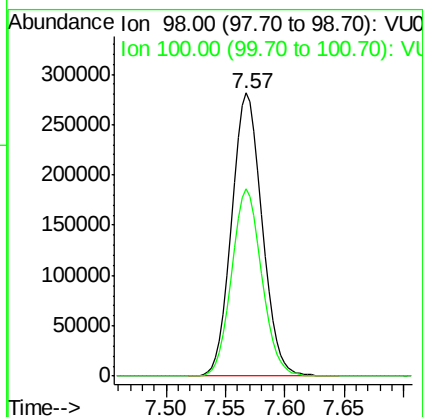
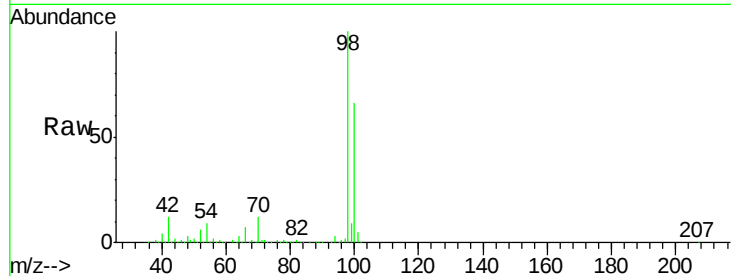




#50
Toluene-d8
Concen: 48.078 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU025043.D
Acq: 29 Jun 2018 01:10

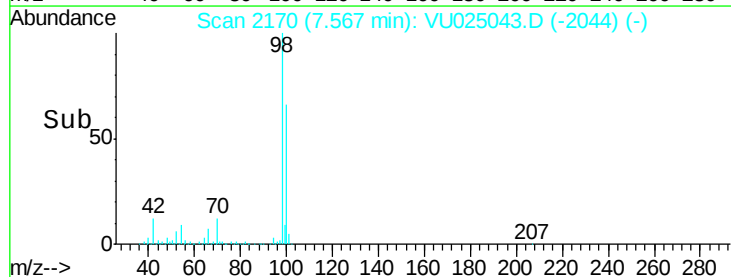
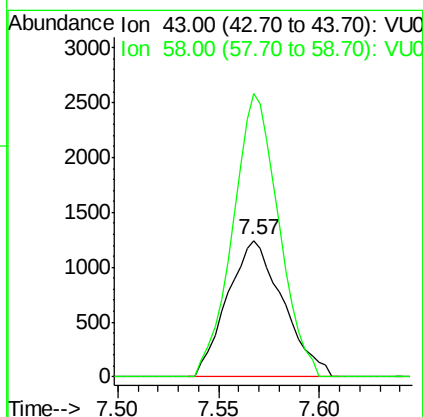
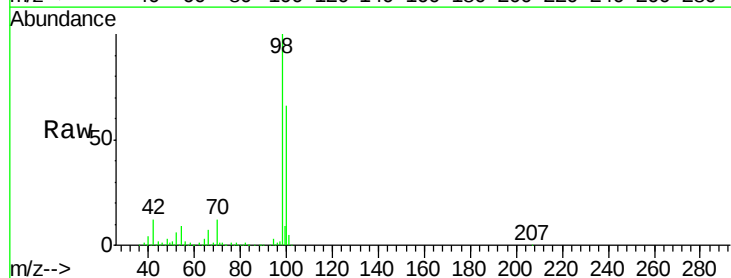
Instrument :
MSVOA_U
ClientSampleId :
WP021SB475-31-33-180620ME

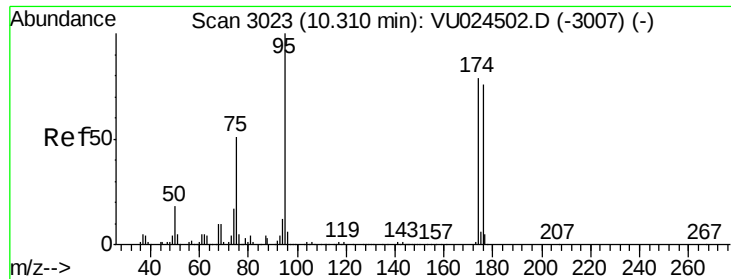
Tgt Ion: 98 Resp: 499705
Ion Ratio Lower Upper
98 100
100 65.3 51.1 76.7



#51
4-Methyl-2-Pentanone
Concen: 0.502 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. 0.11 min
Lab File: VU025043.D
Acq: 29 Jun 2018 01:10

Tgt Ion: 43 Resp: 2397
Ion Ratio Lower Upper
43 100
58 171.4 30.0 45.0#





#62

4-Bromofluorobenzene

Concen: 50.519 ug/l

RT: 10.32 min Scan# 3025

Delta R.T. 0.01 min

Lab File: VU025043.D

Acq: 29 Jun 2018 01:10

Instrument :

MSVOA_U

ClientSampleId :

WP021SB475-31-33-180620ME

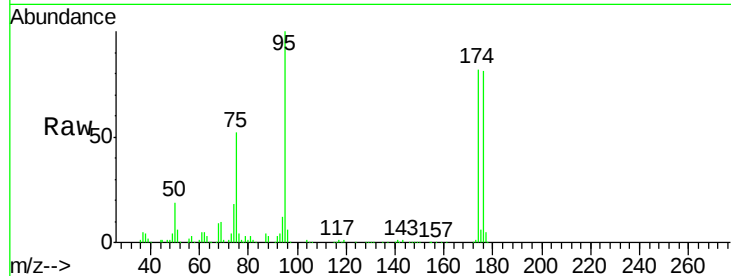
Tgt Ion: 95 Resp: 208479

Ion Ratio Lower Upper

95 100

174 83.0 0.0 165.8

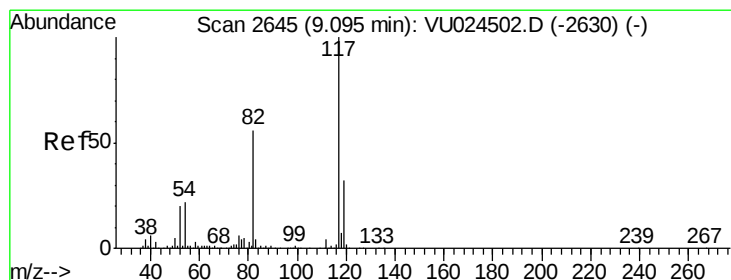
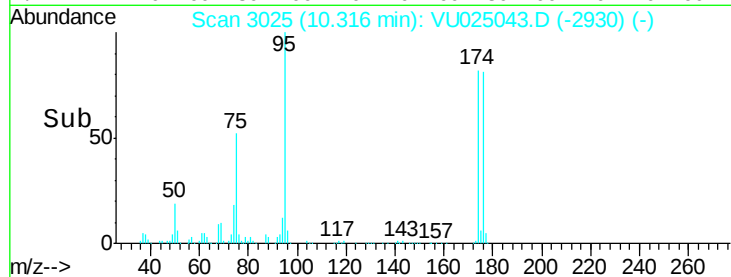
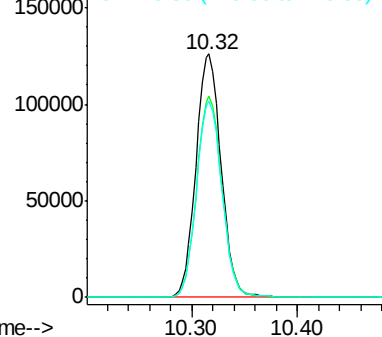
176 81.4 0.0 159.4



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# 2645

Delta R.T. 0.00 min

Lab File: VU025043.D

Acq: 29 Jun 2018 01:10

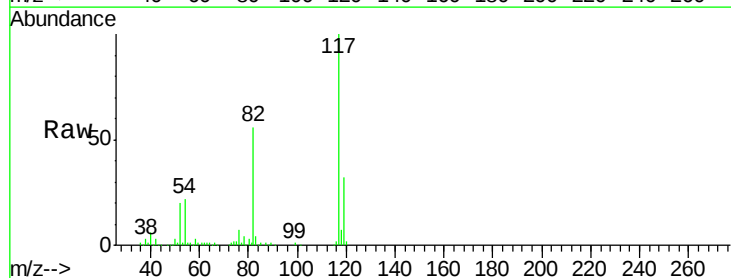
Tgt Ion: 117 Resp: 331280

Ion Ratio Lower Upper

117 100

82 56.4 44.3 66.5

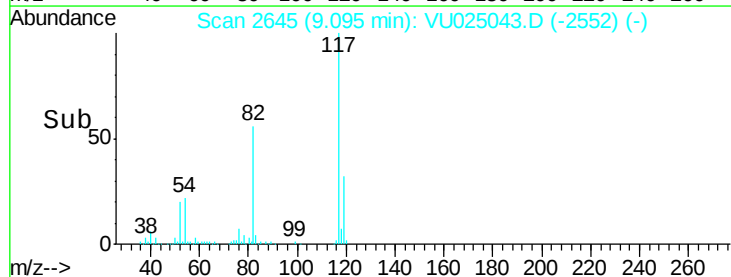
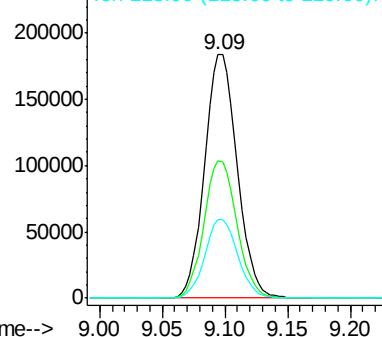
119 32.5 25.4 38.2

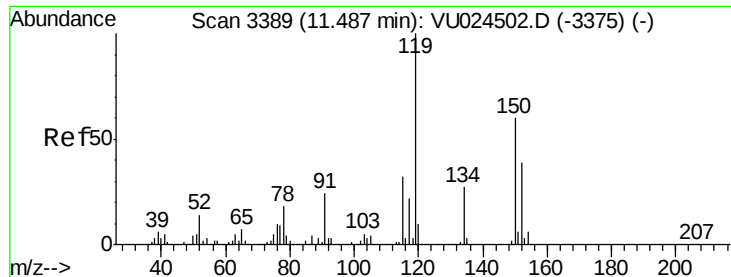


Abundance Ion 116.90 (116.60 to 117.60): V

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# 3390

Delta R.T. 0.00 min

Lab File: VU025043.D

Acq: 29 Jun 2018 01:10

Instrument :

MSVOA_U

ClientSampleId :

WP021SB475-31-33-180620ME

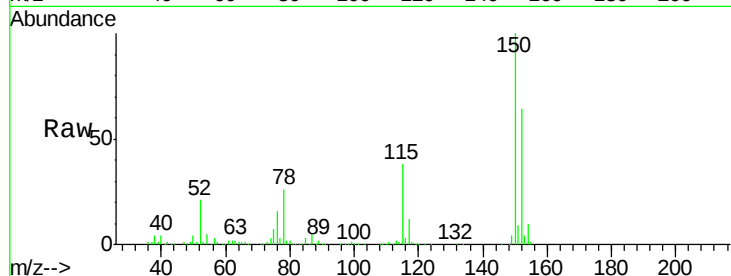
Tgt Ion:152 Resp: 186908

Ion Ratio Lower Upper

152 100

115 58.9 43.0 129.0

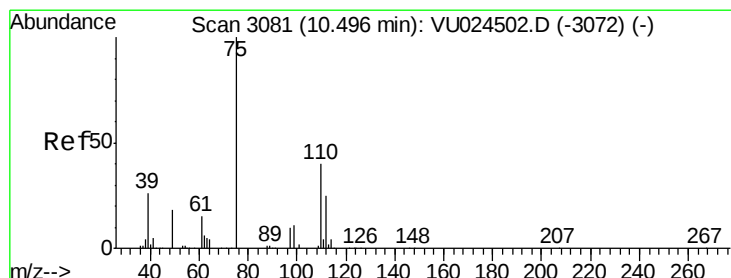
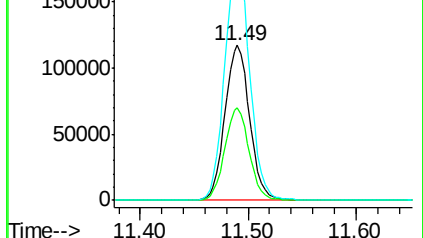
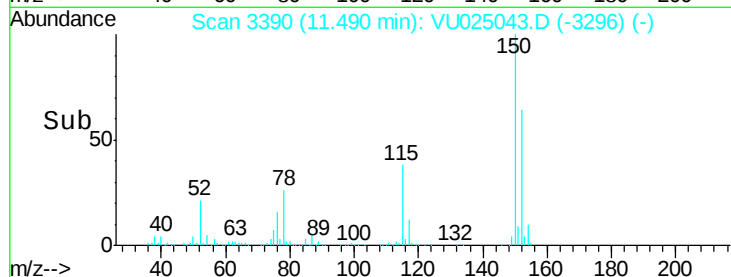
150 156.2 0.0 354.0



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: 26.136 ug/l

RT: 10.32 min Scan# 3025

Delta R.T. -0.18 min

Lab File: VU025043.D

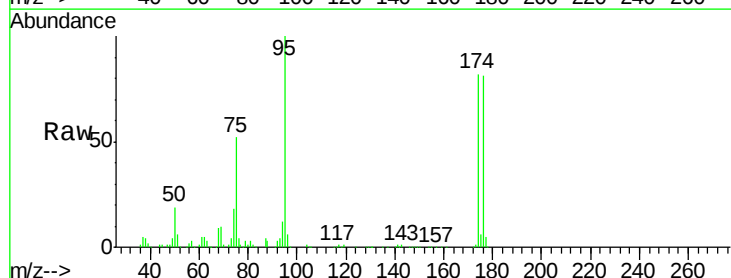
Acq: 29 Jun 2018 01:10

Tgt Ion: 75 Resp: 107552

Ion Ratio Lower Upper

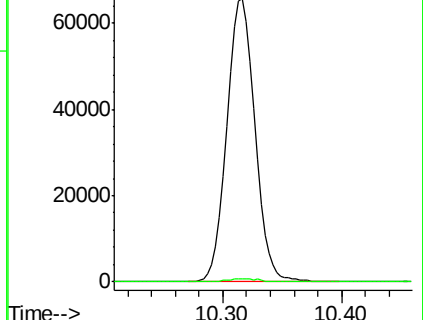
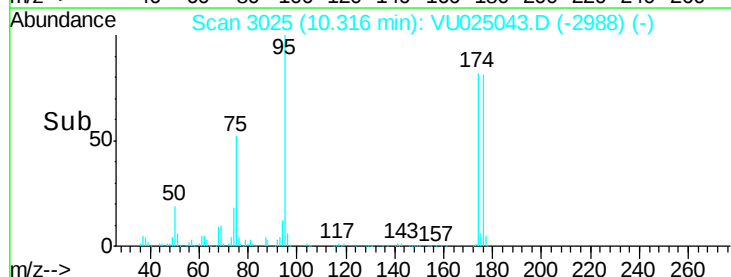
75 100

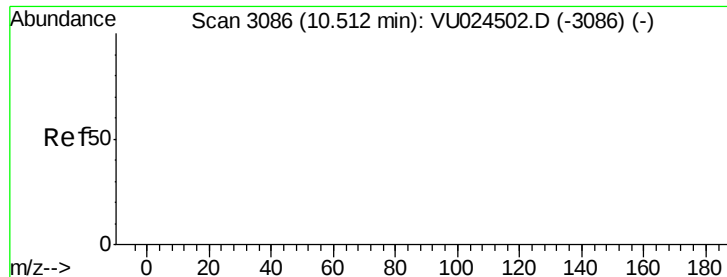
77 1.2 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

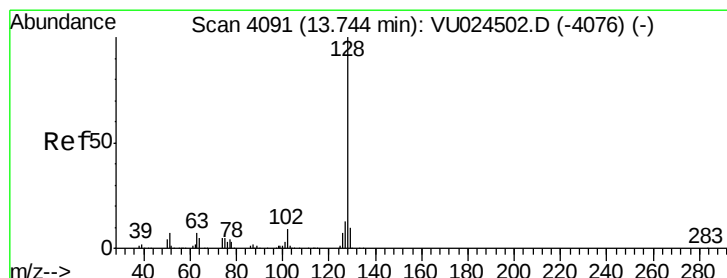
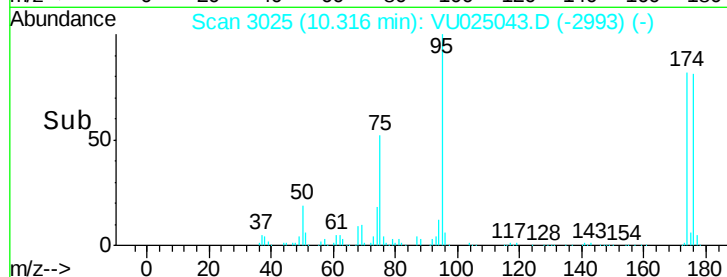
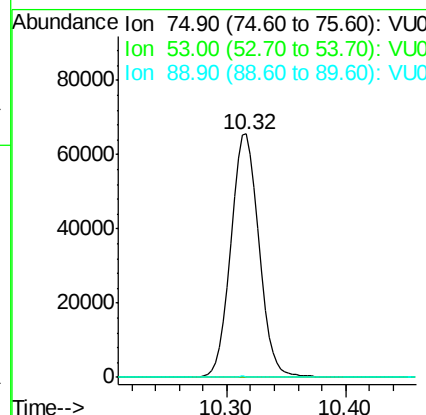
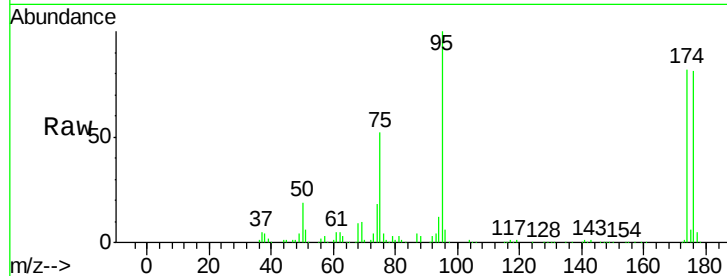




#81
trans-1,4-Dichloro-2-butene
Concen: 60.490 ug/l
RT: 10.32 min Scan# 3025
Delta R.T. -0.20 min
Lab File: VU025043.D
Acq: 29 Jun 2018 01:10

Instrument :
MSVOA_U
ClientSampleId :
WP021SB475-31-33-180620ME

Tgt Ion: 75 Resp: 107552
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.1 0.0 0.0#



#95
Naphthalene
Concen: 0.701 ug/l
RT: 13.76 min Scan# 4097
Delta R.T. 0.02 min
Lab File: VU025043.D
Acq: 29 Jun 2018 01:10

Tgt Ion: 128 Resp: 297
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 12.8#

