

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062818\
 Data File : VU025016.D
 Acq On : 28 Jun 2018 13:27
 Operator : MD/SY
 Sample : J3670-10ME
 Misc : 6.31g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB477-17-19-180621ME

Quant Time: Jun 29 05:05:23 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	227139	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	343930	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.10	117	335038	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	191242	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	170670	46.03	ug/l	0.00
Spiked Amount			Recovery	=	92.06%	
35) Dibromofluoromethane	4.89	113	131640	46.12	ug/l	0.00
Spiked Amount			Recovery	=	92.24%	
50) Toluene-d8	7.57	98	500029	48.03	ug/l	0.00
Spiked Amount			Recovery	=	96.06%	
62) 4-Bromofluorobenzene	10.32	95	208768	50.50	ug/l	0.00
Spiked Amount			Recovery	=	101.00%	

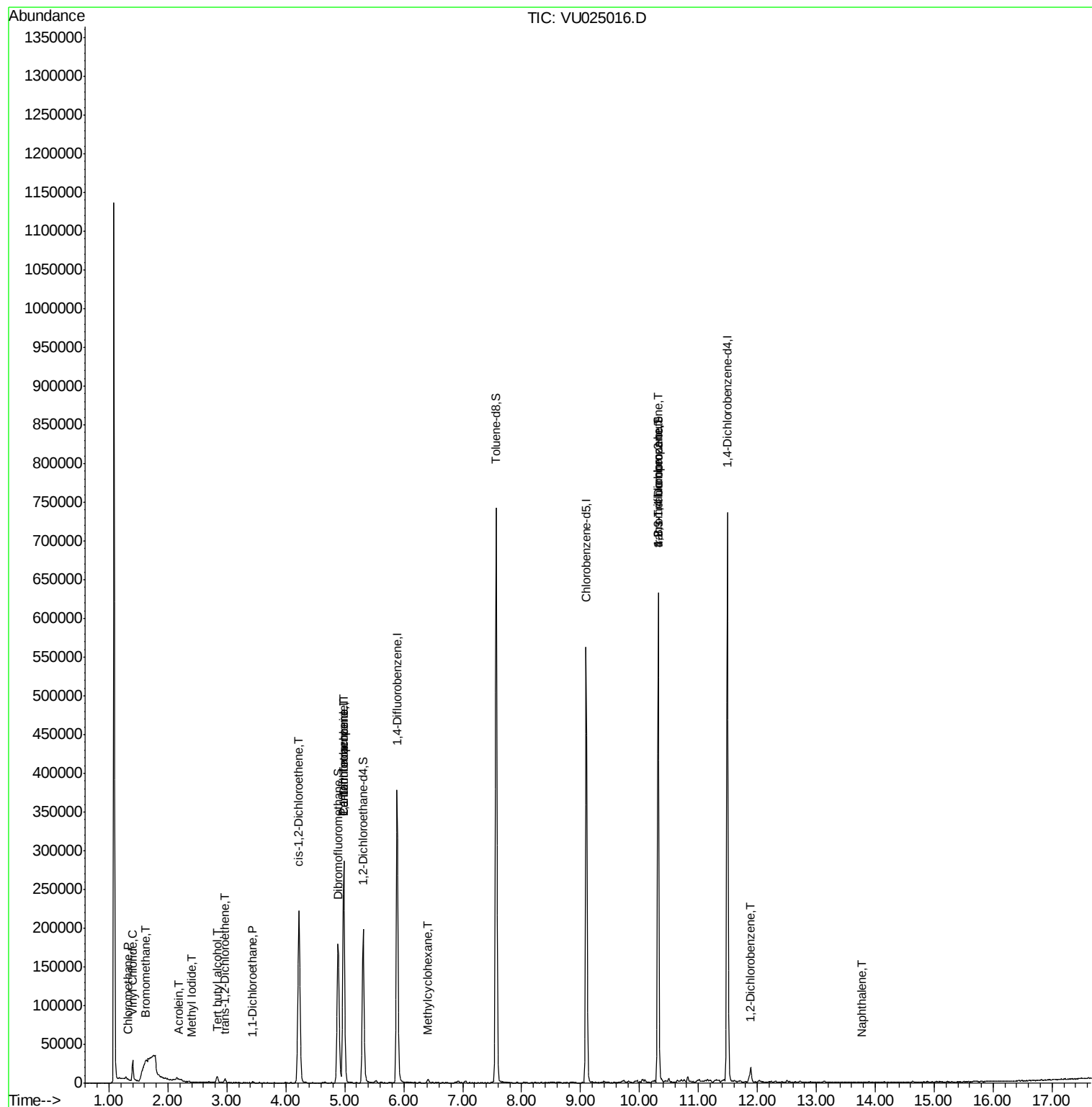
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	896	0.308	ug/l #	78
4) Vinyl Chloride	1.40	62	18892	6.307	ug/l	98
5) Bromomethane	1.60	94	1009	0.697	ug/l #	78
6) Chloroethane	1.66	64	272	Below Cal	#	1
8) Diethyl Ether	2.23	74	49	Below Cal	#	1
10) Methyl Iodide	2.40	142	447	5.455	ug/l #	83
11) Tert butyl alcohol	2.83	59	4899	5.432	ug/l #	72
13) Acrolein	2.19	56	226	0.477	ug/l #	66
21) trans-1,2-Dichloroethene	2.96	96	2063	0.724	ug/l #	87
24) 1,1-Dichloroethane	3.44	63	1126	0.206	ug/l #	83
27) cis-1,2-Dichloroethene	4.22	96	130281	39.782	ug/l	88
31) Cyclohexane	4.98	56	4579	Below Cal	#	10
36) 1,1-Dichloropropene	4.98	75	16936	4.191	ug/l #	51
38) Carbon Tetrachloride	4.98	117	21631	4.867	ug/l #	15
39) Methylcyclohexane	6.41	83	1776	0.352	ug/l	93
76) 1,2,3-Trichloropropane	10.32	75	108437	25.754	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.32	75	108437	59.606	ug/l #	100
91) 1,2-Dichlorobenzene	11.89	146	7288	1.060	ug/l	95
95) Naphthalene	13.76	128	232	0.696	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: VU025016.D

Acq: 28 Jun 2018 13:27

Instrument :

MSVOA_U

ClientSampleId :

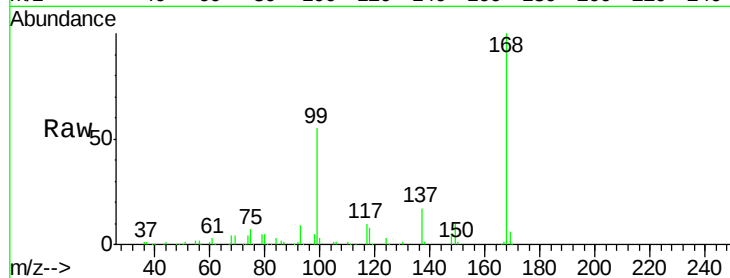
WP021SB477-17-19-180621ME

Tgt Ion:168 Resp: 227139

Ion Ratio Lower Upper

168 100

99 55.3 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

100000

80000

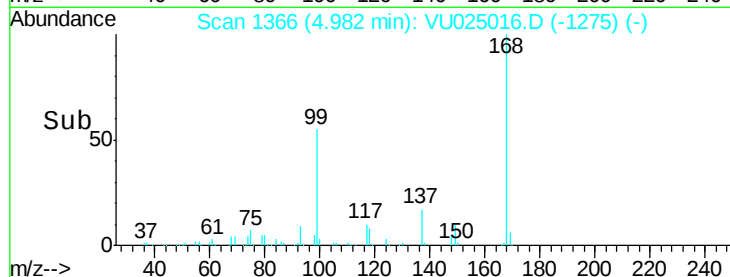
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.308 ug/l

RT: 1.32 min Scan# 228

Delta R.T. -0.01 min

Lab File: VU025016.D

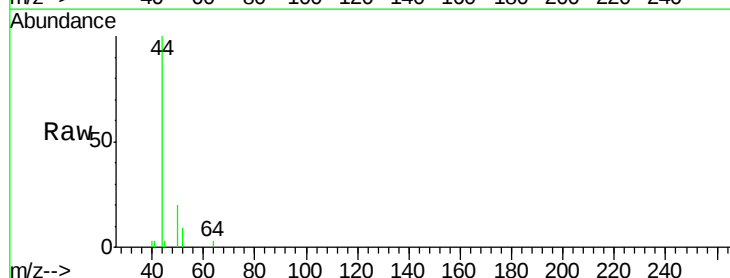
Acq: 28 Jun 2018 13:27

Tgt Ion: 50 Resp: 896

Ion Ratio Lower Upper

50 100

52 45.3 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

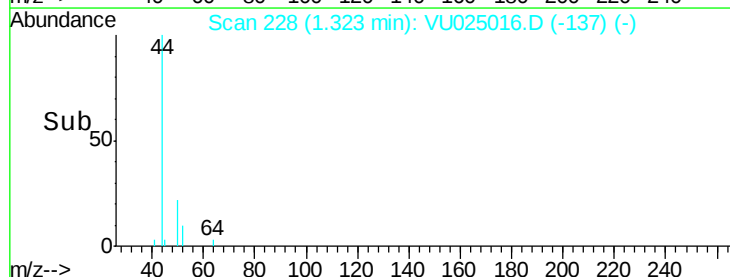
600

400

200

0

Time-->





#4

Vinyl Chloride

Concen: 6.307 ug/l

RT: 1.40 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU025016.D

Acq: 28 Jun 2018 13:27

Instrument :

MSVOA_U

ClientSampleId :

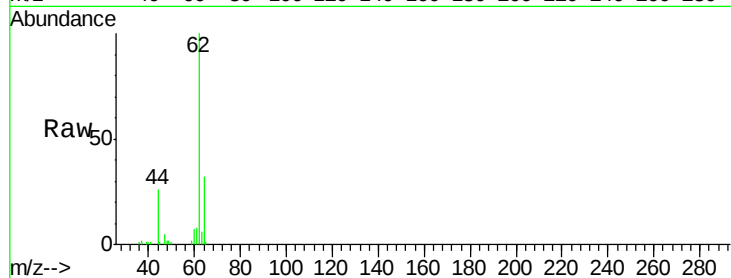
WP021SB477-17-19-180621ME

Tgt Ion: 62 Resp: 18892

Ion Ratio Lower Upper

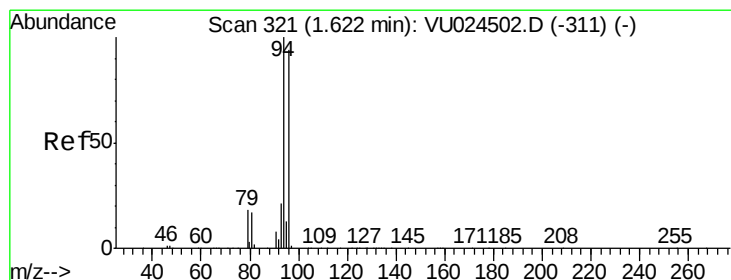
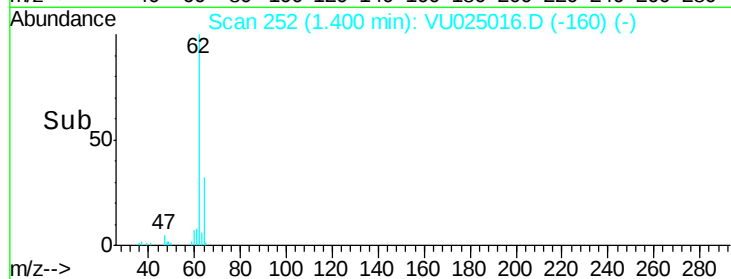
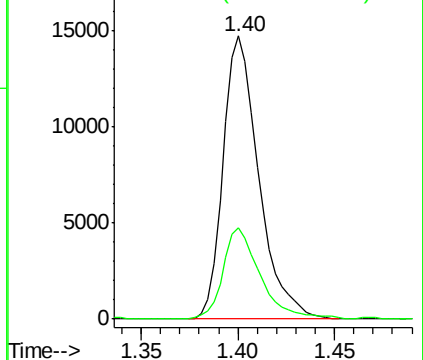
62 100

64 32.1 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0



#5

Bromomethane

Concen: 0.697 ug/l

RT: 1.60 min Scan# 315

Delta R.T. -0.02 min

Lab File: VU025016.D

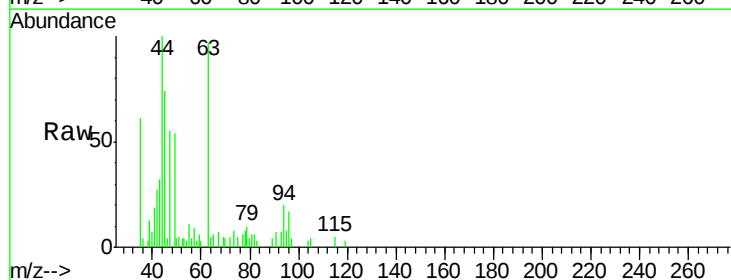
Acq: 28 Jun 2018 13:27

Tgt Ion: 94 Resp: 1009

Ion Ratio Lower Upper

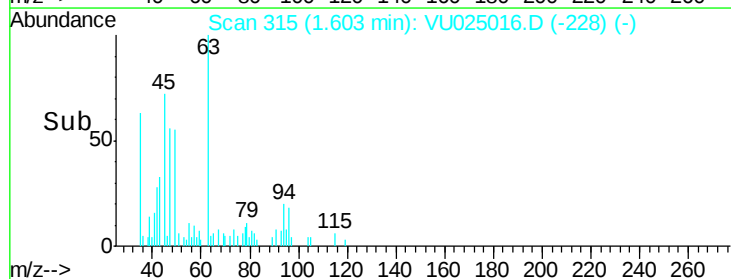
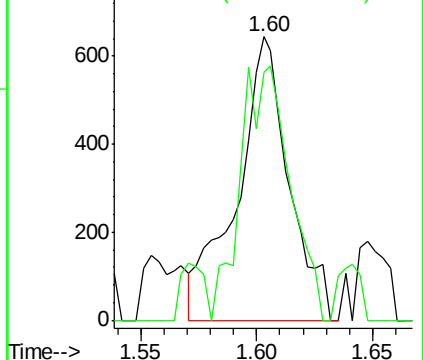
94 100

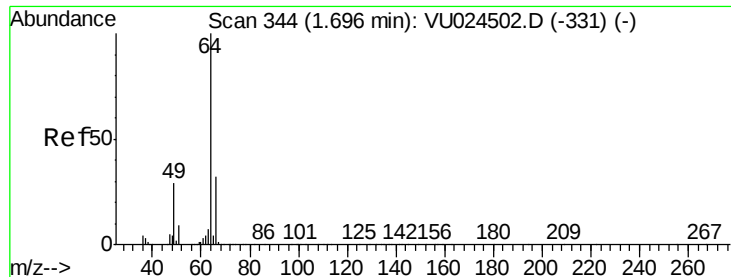
96 71.9 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0





#6

Chloroethane

Concen: Below Cal

RT: 1.66 min Scan# 333

Delta R.T. -0.04 min

Lab File: VU025016.D

Acq: 28 Jun 2018 13:27

Instrument :

MSVOA_U

ClientSampleId :

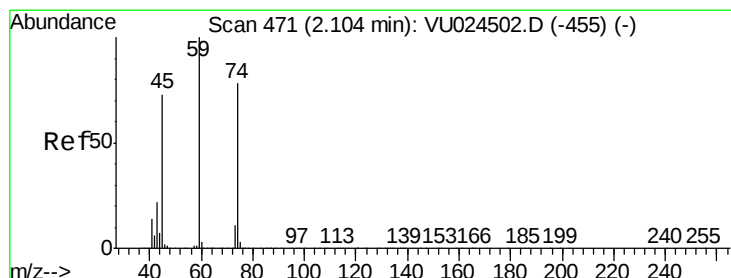
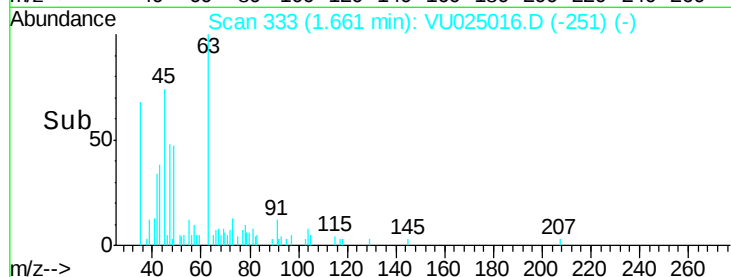
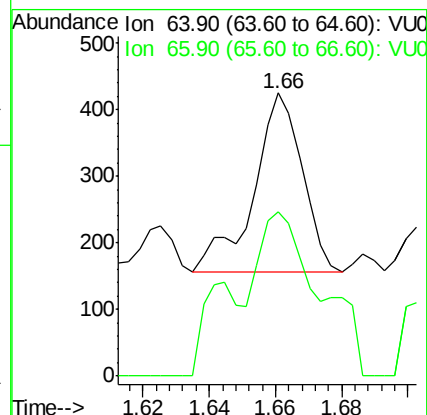
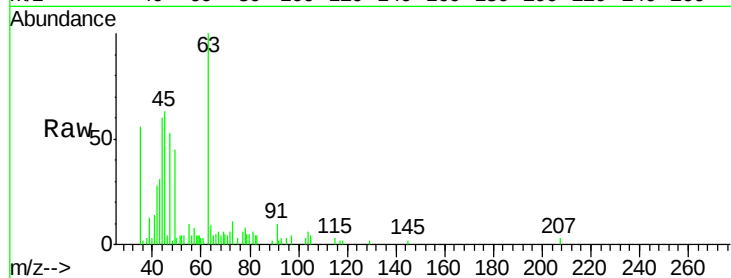
WP021SB477-17-19-180621ME

Tgt Ion: 64 Resp: 272

Ion Ratio Lower Upper

64 100

66 92.2 25.5 38.3#



#8

Diethyl Ether

Concen: Below Cal

RT: 2.23 min Scan# 509

Delta R.T. 0.12 min

Lab File: VU025016.D

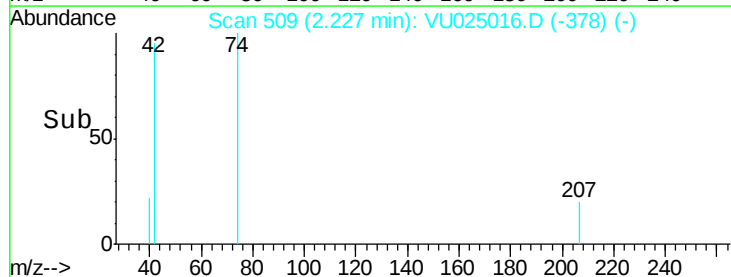
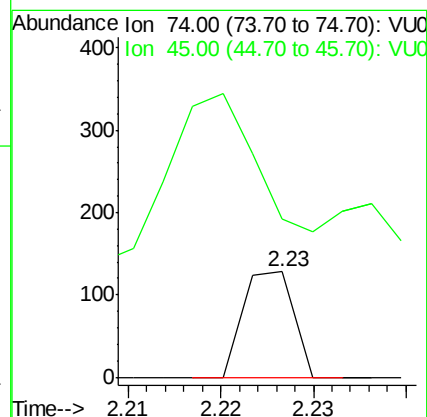
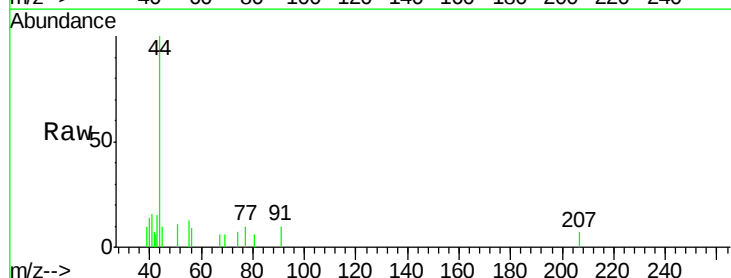
Acq: 28 Jun 2018 13:27

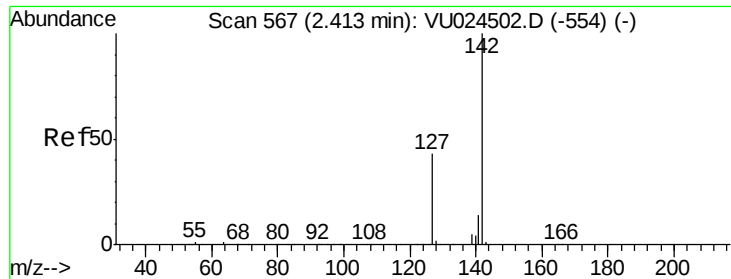
Tgt Ion: 74 Resp: 49

Ion Ratio Lower Upper

74 100

45 275.5 55.0 165.0#

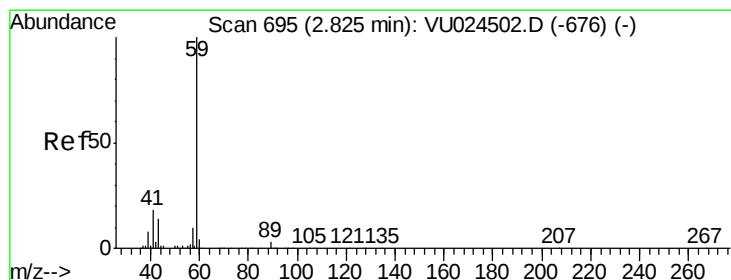
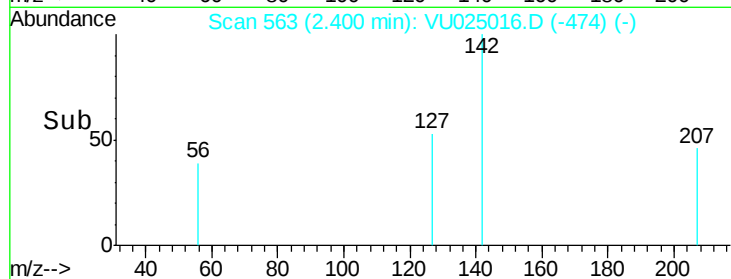
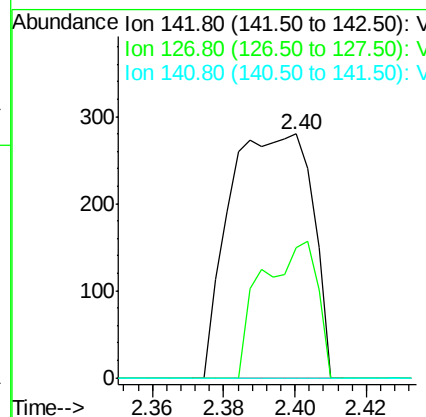
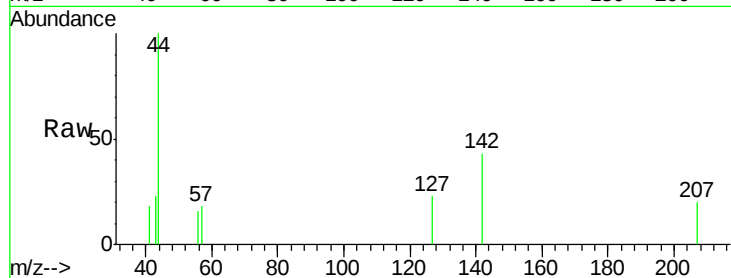




#10
Methyl Iodide
Concen: 5.455 ug/l
RT: 2.40 min Scan# 563
Delta R.T. -0.01 min
Lab File: VU025016.D
Acq: 28 Jun 2018 13:27

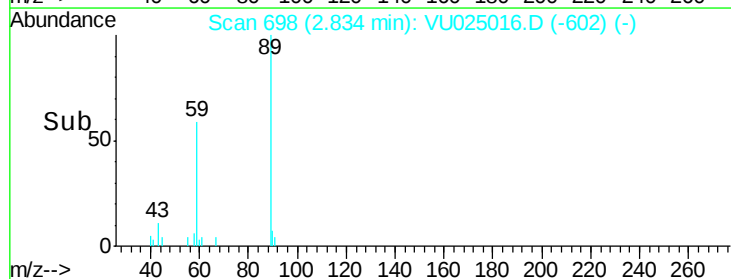
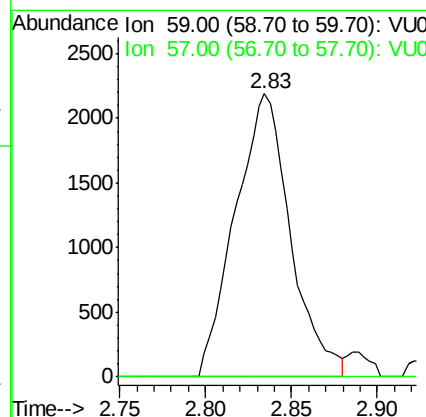
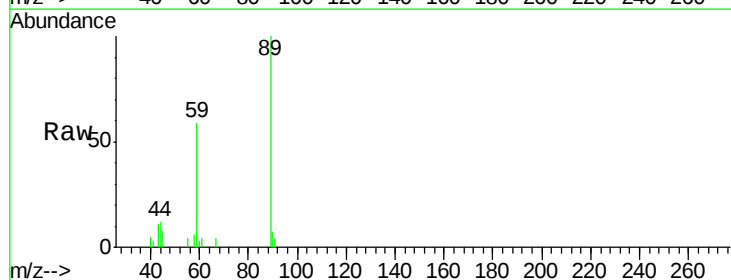
Instrument :
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ClientSampleId :
WP021SB477-17-19-180621ME

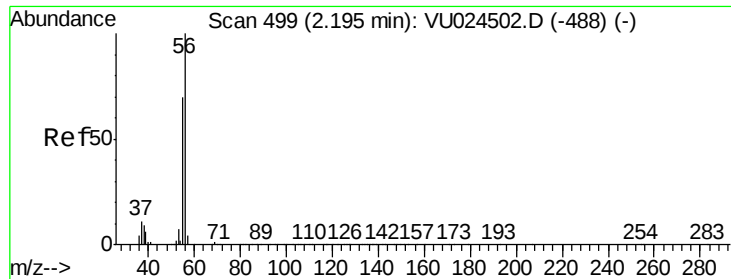
Tgt Ion: 142 Resp: 447
Ion Ratio Lower Upper
142 100
127 37.4 35.6 53.4
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 5.432 ug/l
RT: 2.83 min Scan# 698
Delta R.T. 0.01 min
Lab File: VU025016.D
Acq: 28 Jun 2018 13:27

Tgt Ion: 59 Resp: 4899
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#13

Acrolein

Concen: 0.477 ug/l

RT: 2.19 min Scan# 499

Delta R.T. -0.00 min

Lab File: VU025016.D

Acq: 28 Jun 2018 13:27

Instrument :

MSVOA_U

ClientSampleId :

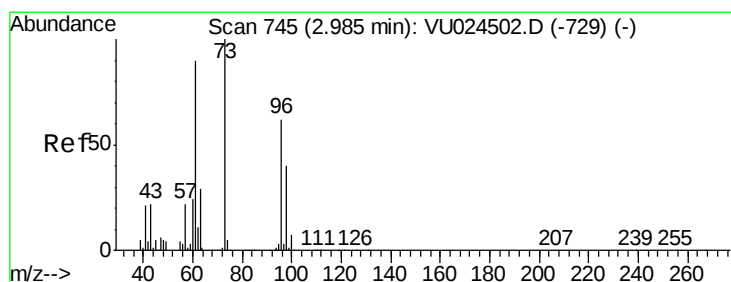
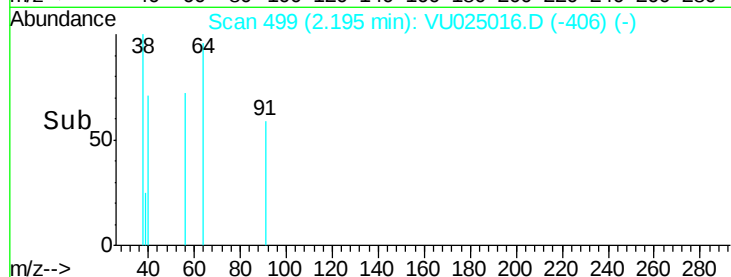
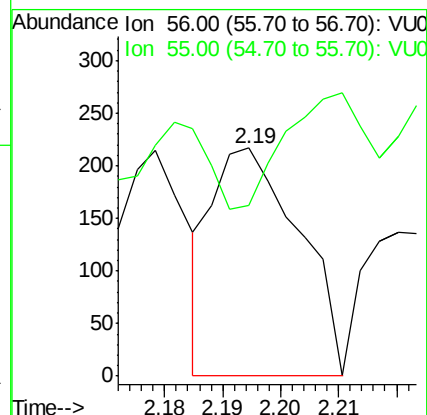
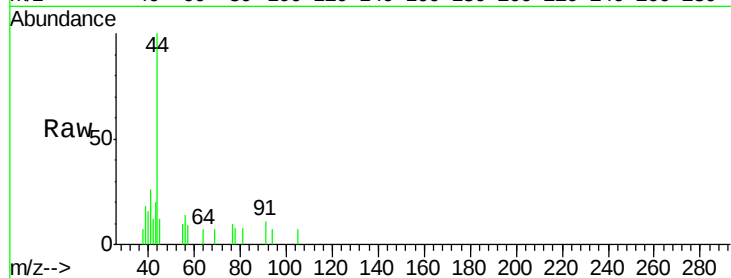
WP021SB477-17-19-180621ME

Tgt Ion: 56 Resp: 226

Ion Ratio Lower Upper

56 100

55 44.7 58.4 87.6#



#21

trans-1,2-Dichloroethene

Concen: 0.724 ug/l

RT: 2.96 min Scan# 738

Delta R.T. -0.02 min

Lab File: VU025016.D

Acq: 28 Jun 2018 13:27

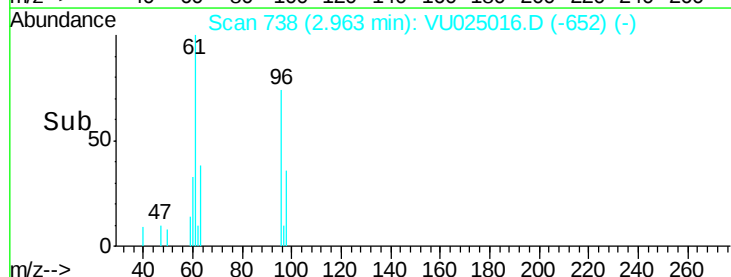
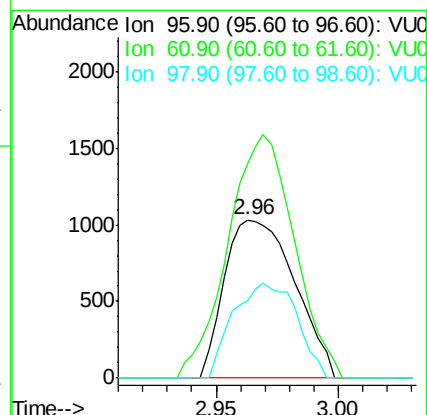
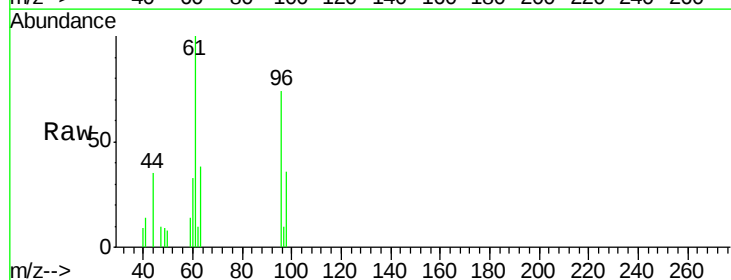
Tgt Ion: 96 Resp: 2063

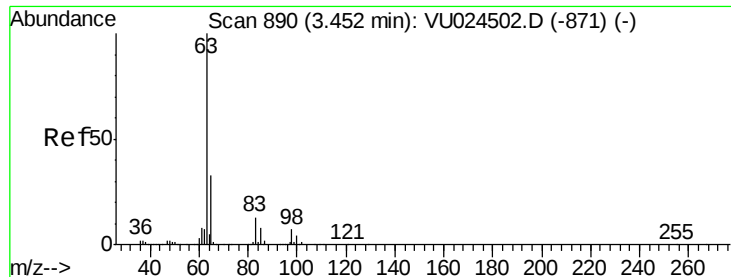
Ion Ratio Lower Upper

96 100

61 135.4 119.4 179.0

98 49.1 51.1 76.7#





#24

1,1-Dichloroethane

Concen: 0.206 ug/l

RT: 3.44 min Scan# 885

Delta R.T. -0.02 min

Lab File: VU025016.D

Acq: 28 Jun 2018 13:27

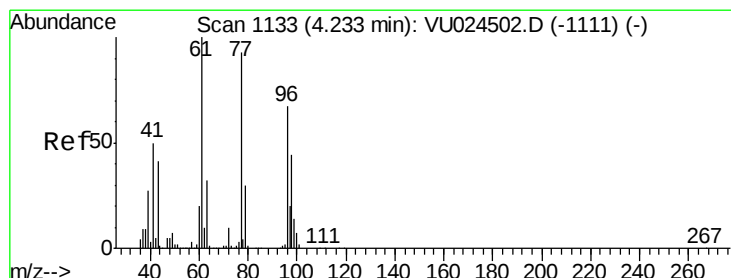
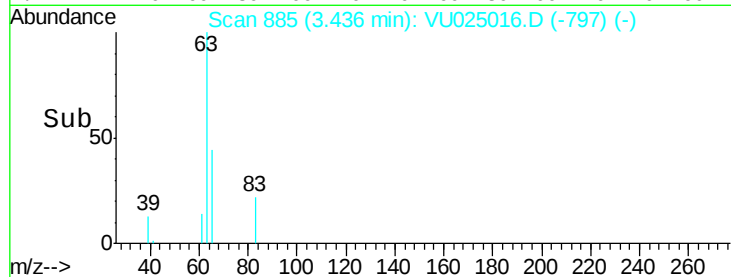
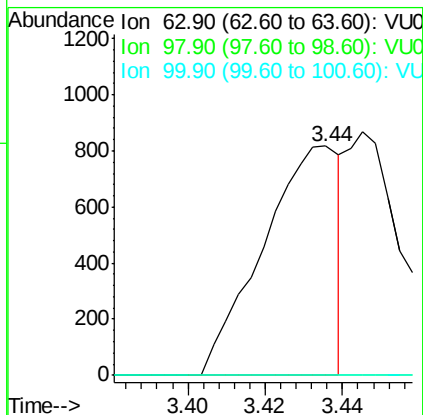
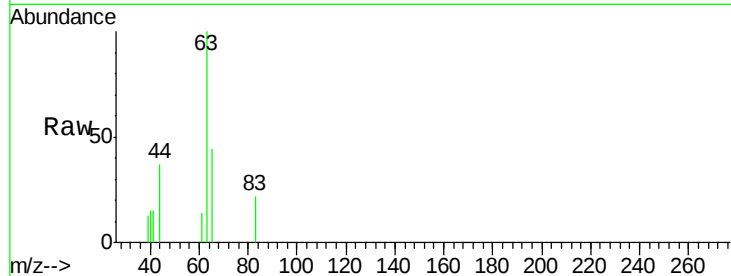
Instrument :

MSVOA_U

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WP021SB477-17-19-180621ME

Tgt Ion:	63	Resp:	1126
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.5	10.4#
100	0.0	1.8	5.5#



#27

cis-1,2-Dichloroethene

Concen: 39.782 ug/l

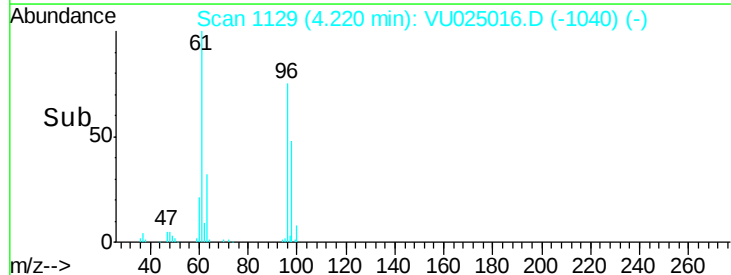
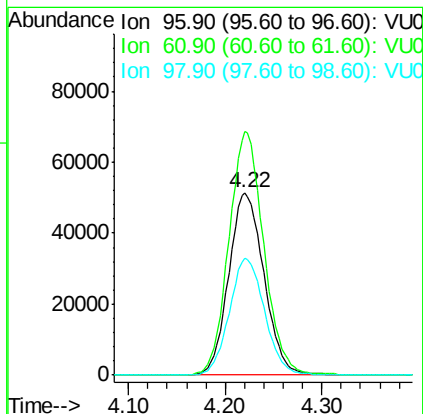
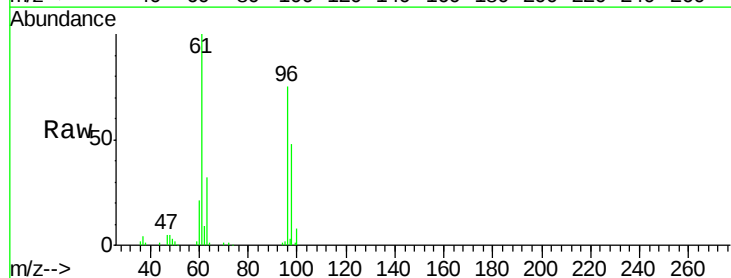
RT: 4.22 min Scan# 1129

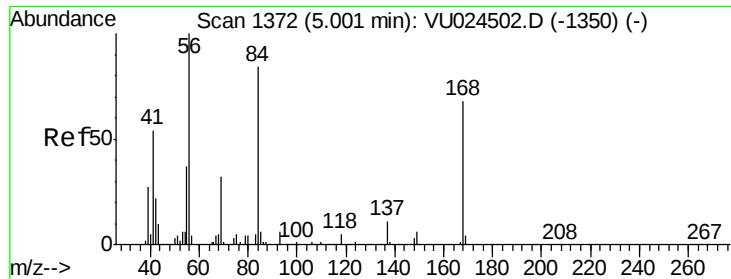
Delta R.T. -0.01 min

Lab File: VU025016.D

Acq: 28 Jun 2018 13:27

Tgt Ion:	96	Resp:	130281
Ion	Ratio	Lower	Upper
96	100		
61	131.7	0.0	306.6
98	64.0	0.0	128.8

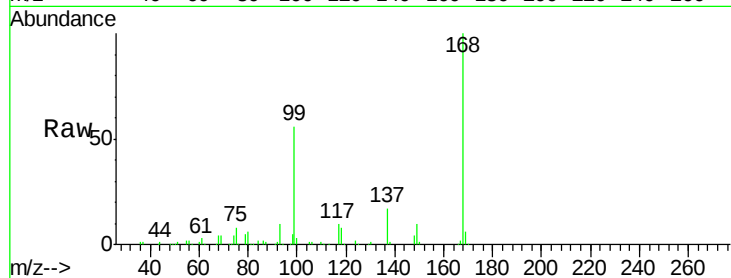




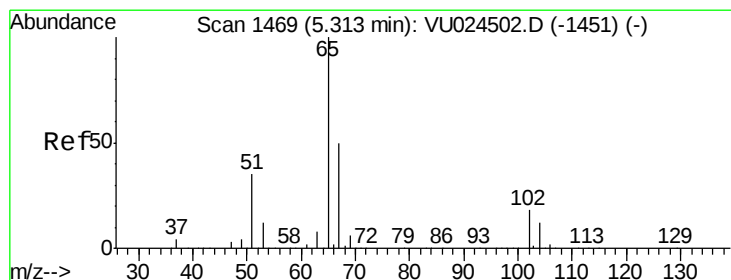
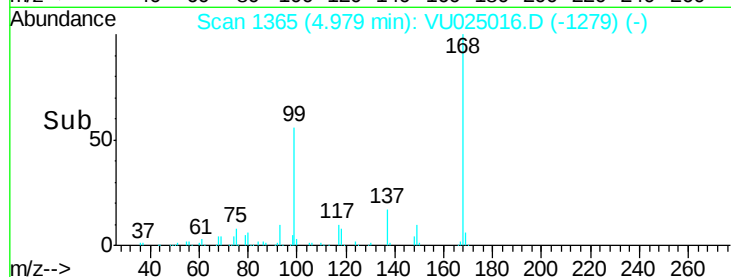
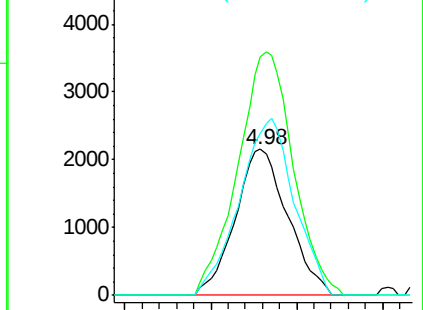
#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1365
Delta R.T. -0.02 min
Lab File: VU025016.D
Acq: 28 Jun 2018 13:27

Instrument :
MSVOA_U
ClientSampleId :
WP021SB477-17-19-180621ME

Tgt Ion: 56 Resp: 4579
Ion Ratio Lower Upper
56 100
69 163.4 24.8 37.2#
84 111.0 65.2 97.8#

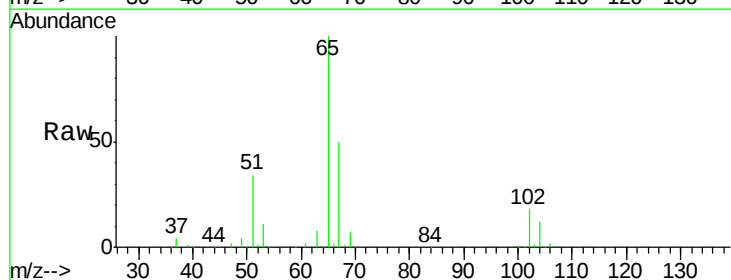


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

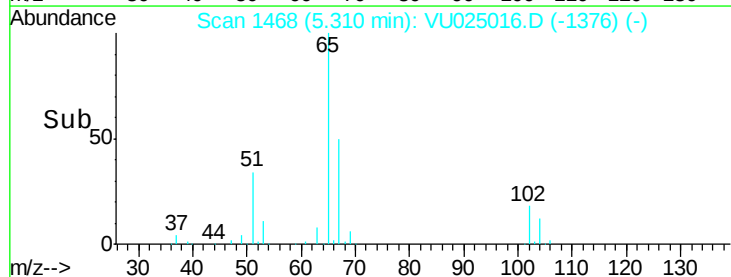
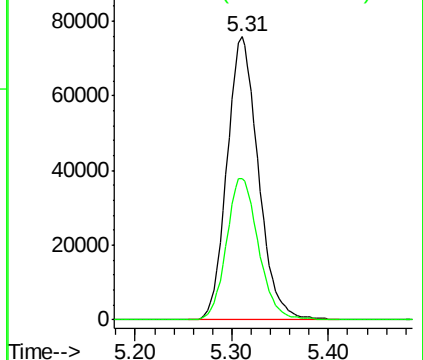


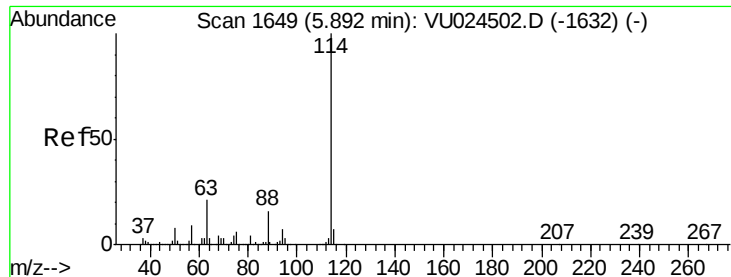
#33
1,2-Dichloroethane-d4
Concen: 46.026 ug/l
RT: 5.31 min Scan# 1468
Delta R.T. -0.00 min
Lab File: VU025016.D
Acq: 28 Jun 2018 13:27

Tgt Ion: 65 Resp: 170670
Ion Ratio Lower Upper
65 100
67 51.2 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: VU025016.D

Acq: 28 Jun 2018 13:27

Instrument :

MSVOA_U

ClientSampleId :

WP021SB477-17-19-180621ME

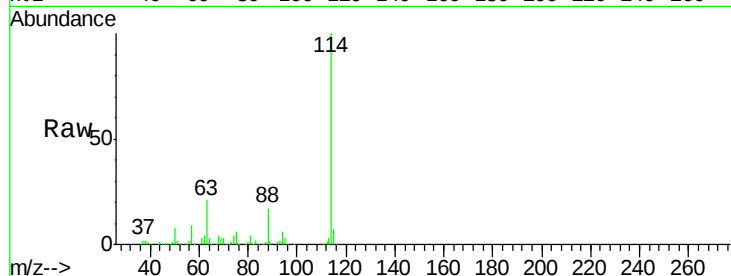
Tgt Ion:114 Resp: 343930

Ion Ratio Lower Upper

114 100

63 20.6 0.0 45.4

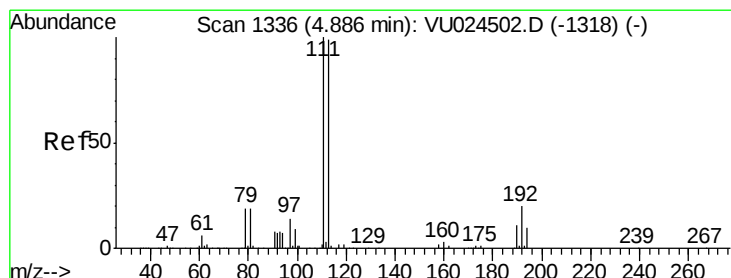
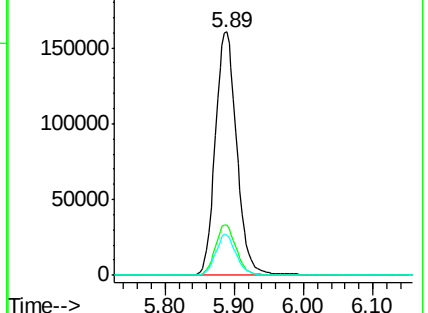
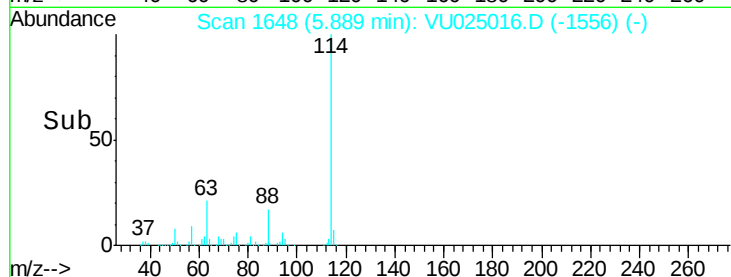
88 16.6 0.0 31.0



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: 46.119 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU025016.D

Acq: 28 Jun 2018 13:27

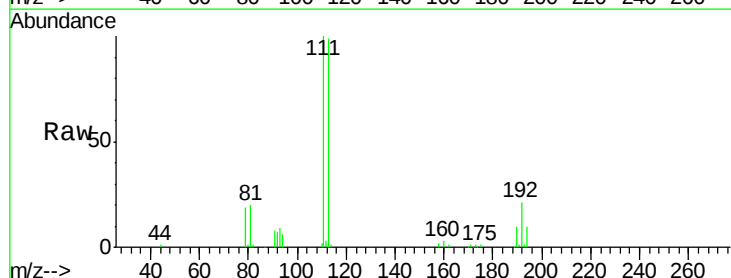
Tgt Ion:113 Resp: 131640

Ion Ratio Lower Upper

113 100

111 102.9 82.2 123.4

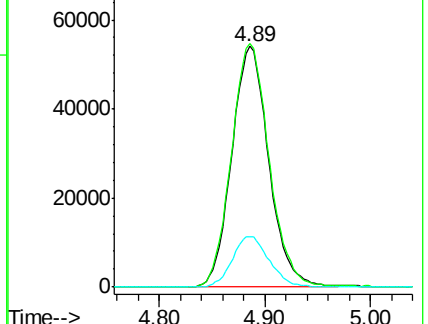
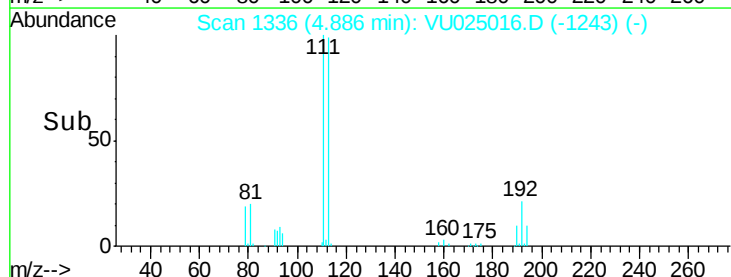
192 20.9 16.2 24.4

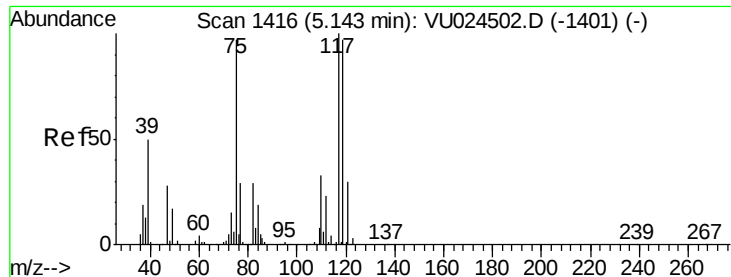


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.191 ug/l

RT: 4.98 min Scan# 1365

Delta R.T. -0.16 min

Lab File: VU025016.D

Acq: 28 Jun 2018 13:27

Instrument :

MSVOA_U

ClientSampleId :

WP021SB477-17-19-180621ME

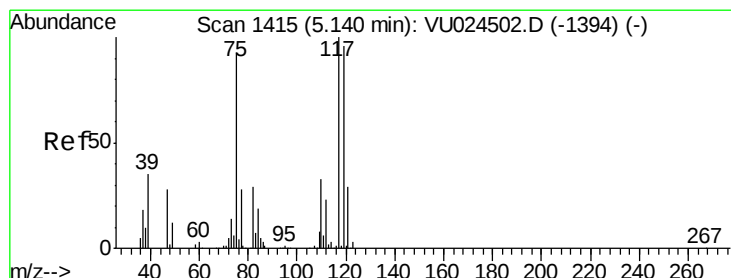
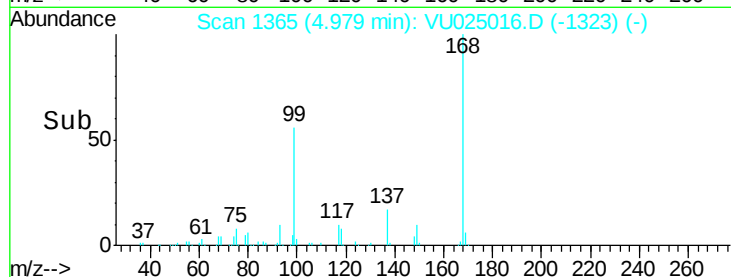
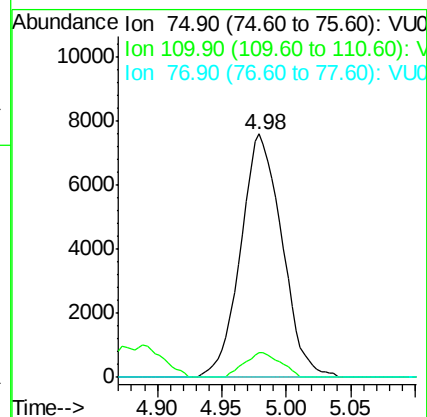
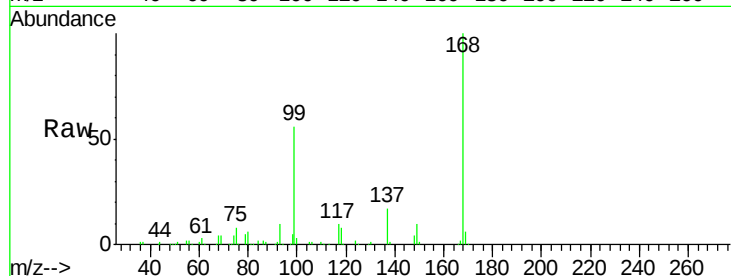
Tgt Ion: 75 Resp: 16936

Ion Ratio Lower Upper

75 100

110 8.9 17.0 50.9#

77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 4.867 ug/l

RT: 4.98 min Scan# 1366

Delta R.T. -0.16 min

Lab File: VU025016.D

Acq: 28 Jun 2018 13:27

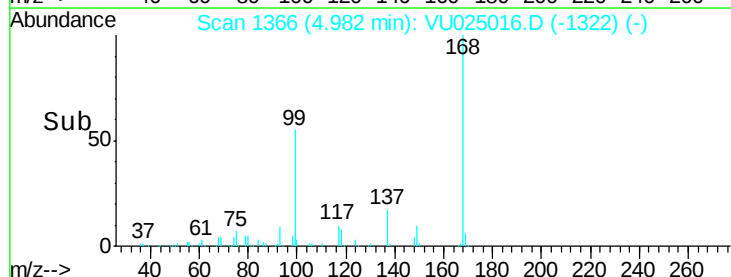
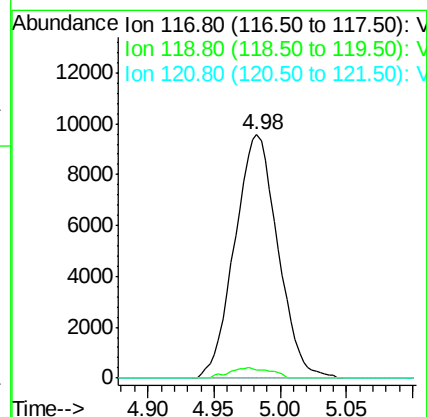
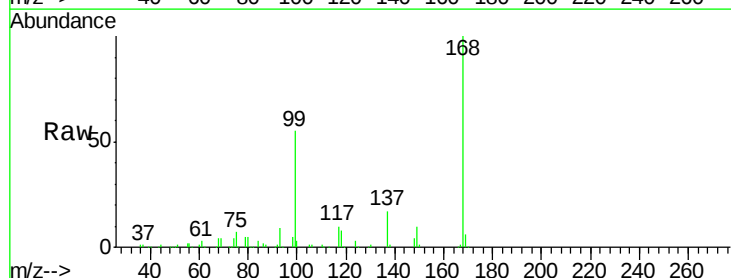
Tgt Ion: 117 Resp: 21631

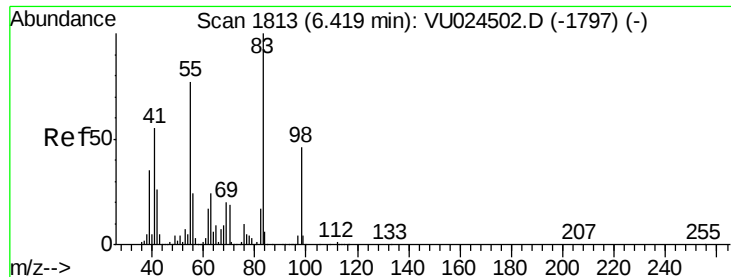
Ion Ratio Lower Upper

117 100

119 3.5 76.1 114.1#

121 0.0 23.7 35.5#

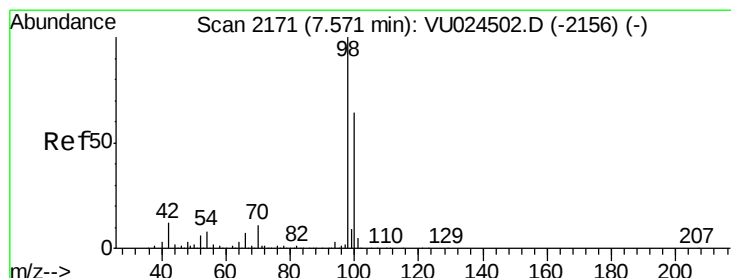
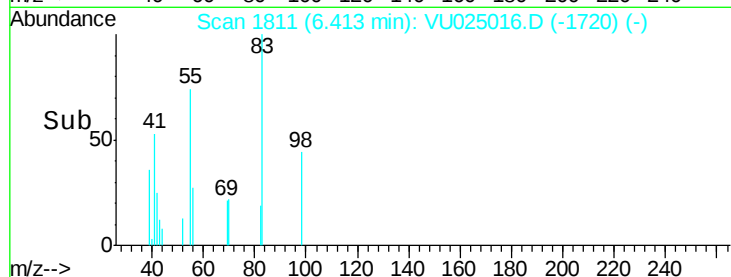
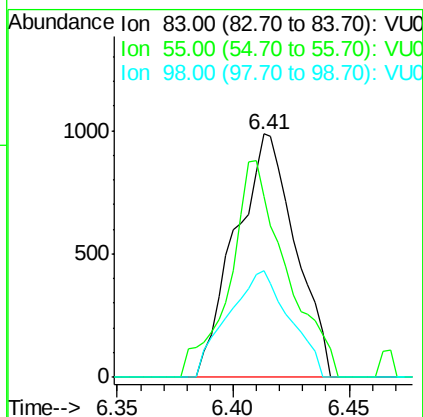
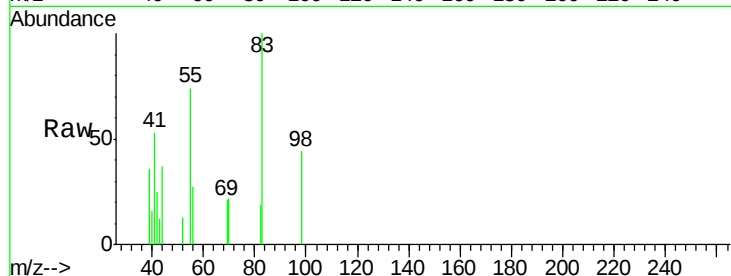




#39
Methylcyclohexane
Concen: 0.352 ug/l
RT: 6.41 min Scan# 1811
Delta R.T. -0.01 min
Lab File: VU025016.D
Acq: 28 Jun 2018 13:27

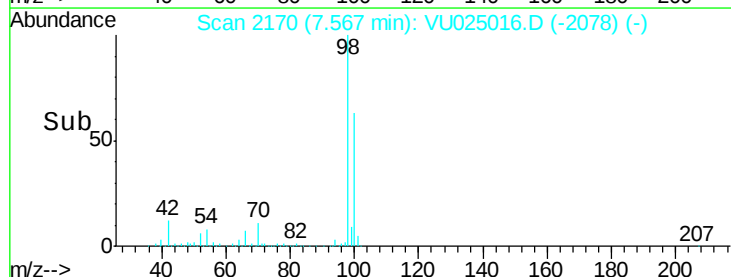
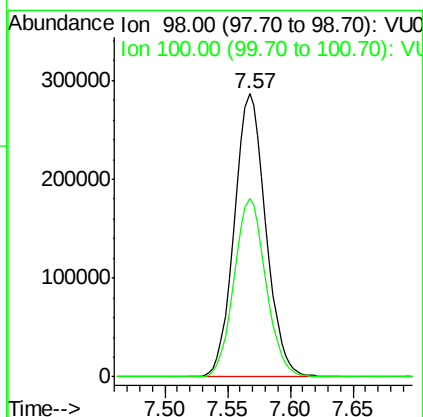
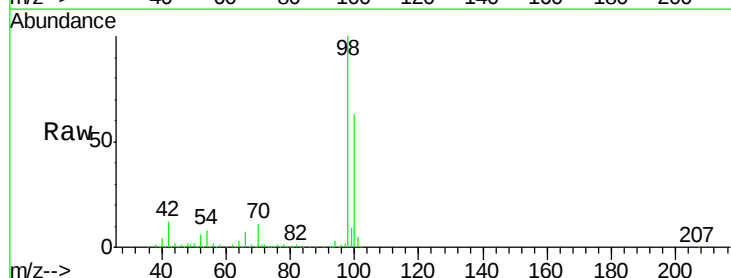
Instrument :
MSVOA_U
ClientSampleId :
WP021SB477-17-19-180621ME

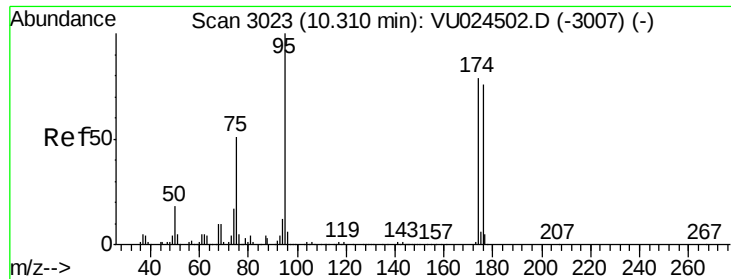
Tgt Ion: 83 Resp: 1776
Ion Ratio Lower Upper
83 100
55 74.1 65.8 98.6
98 44.0 36.7 55.1



#50
Toluene-d8
Concen: 48.026 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU025016.D
Acq: 28 Jun 2018 13:27

Tgt Ion: 98 Resp: 500029
Ion Ratio Lower Upper
98 100
100 63.6 51.1 76.7

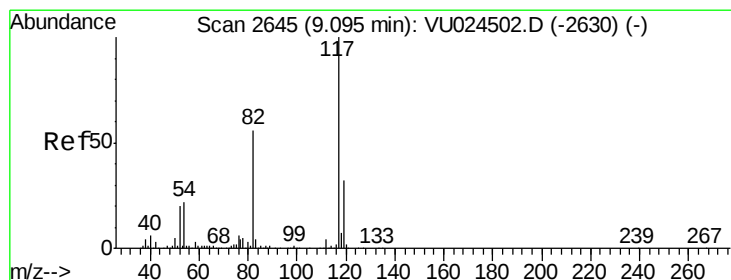
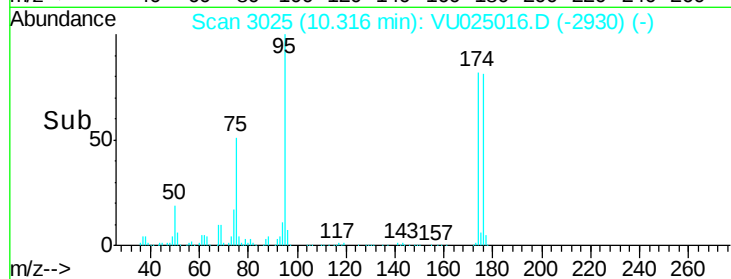
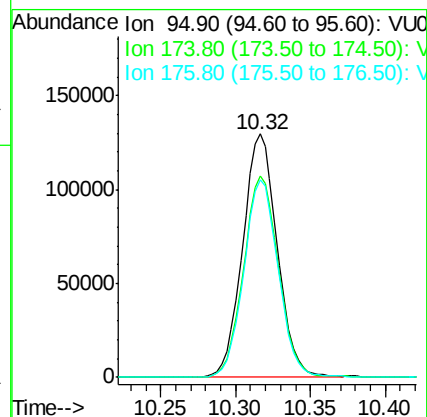
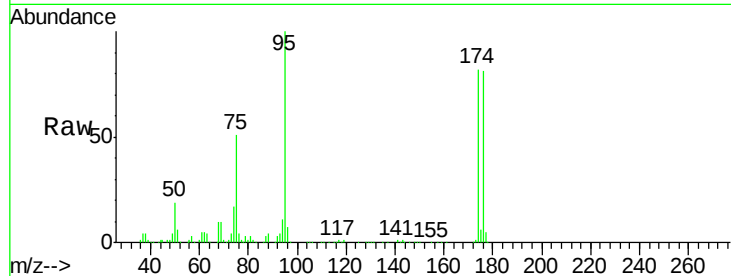




#62
4-Bromofluorobenzene
Concen: 50.503 ug/l
RT: 10.32 min Scan# 3025
Delta R.T. 0.01 min
Lab File: VU025016.D
Acq: 28 Jun 2018 13:27

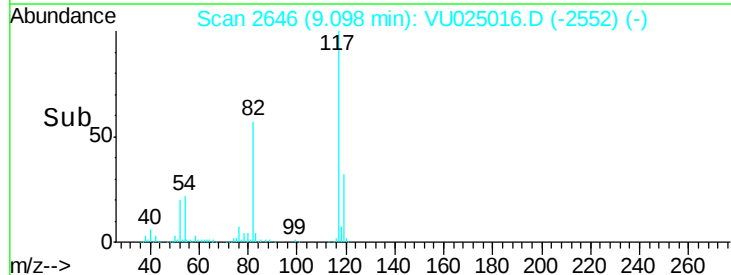
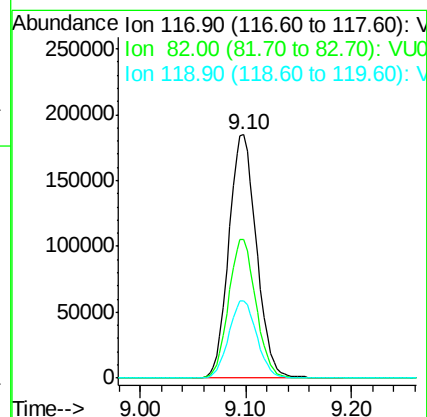
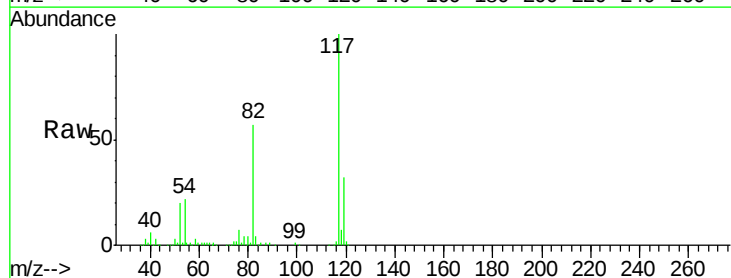
Instrument :
MSVOA_U
ClientSampleId :
WP021SB477-17-19-180621ME

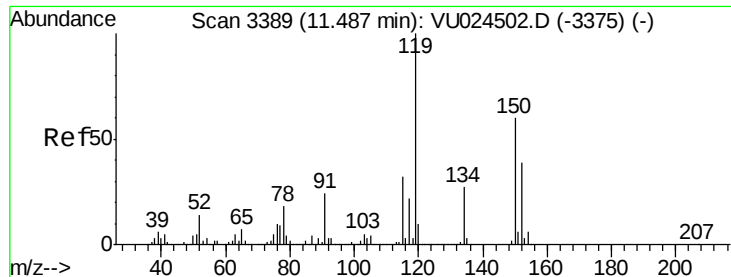
Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.7	0.0	165.8
176	81.1	0.0	159.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.10 min Scan# 2646
Delta R.T. 0.00 min
Lab File: VU025016.D
Acq: 28 Jun 2018 13:27

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.7	44.3	66.5
119	31.8	25.4	38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VU025016.D

Acq: 28 Jun 2018 13:27

Instrument :

MSVOA_U

ClientSampleId :

WP021SB477-17-19-180621ME

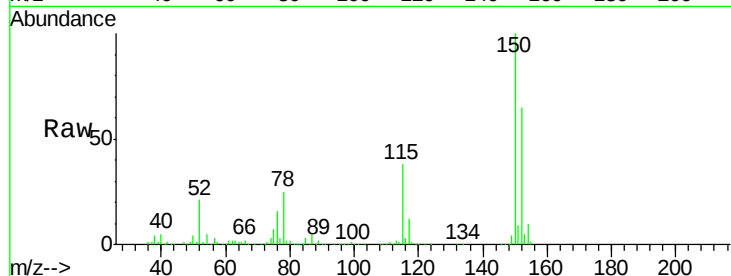
Tgt Ion:152 Resp: 191242

Ion Ratio Lower Upper

152 100

115 58.4 43.0 129.0

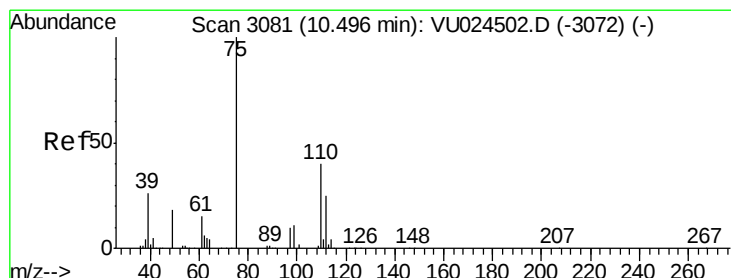
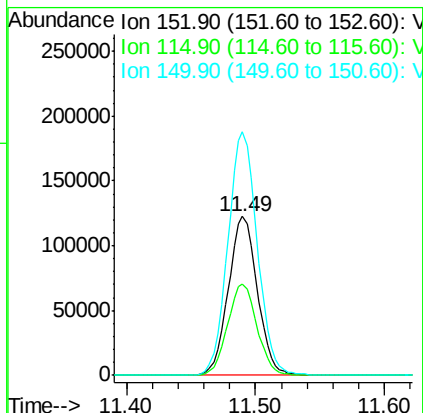
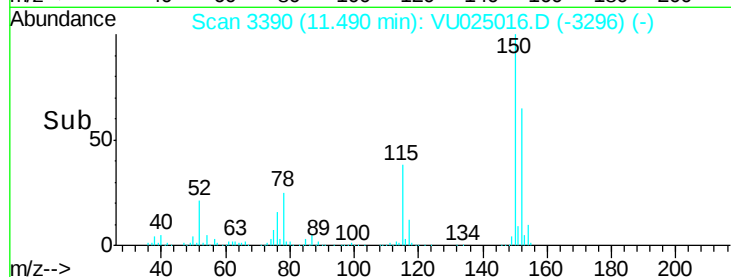
150 155.3 0.0 354.0



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: 25.754 ug/l

RT: 10.32 min Scan# 3025

Delta R.T. -0.18 min

Lab File: VU025016.D

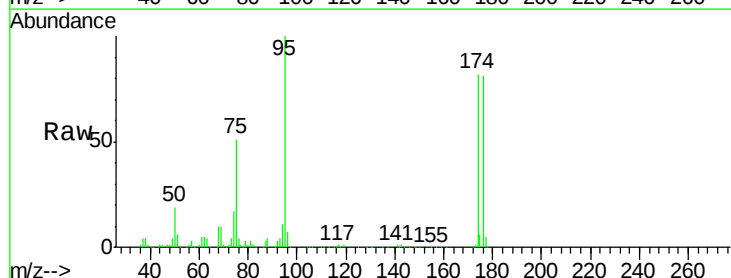
Acq: 28 Jun 2018 13:27

Tgt Ion: 75 Resp: 108437

Ion Ratio Lower Upper

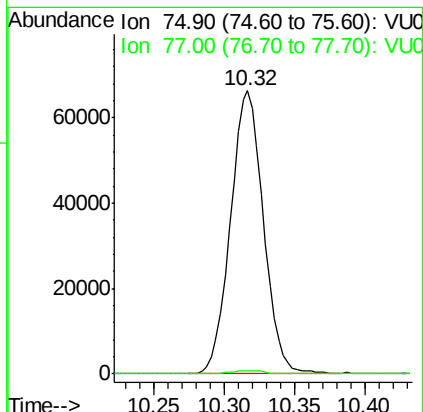
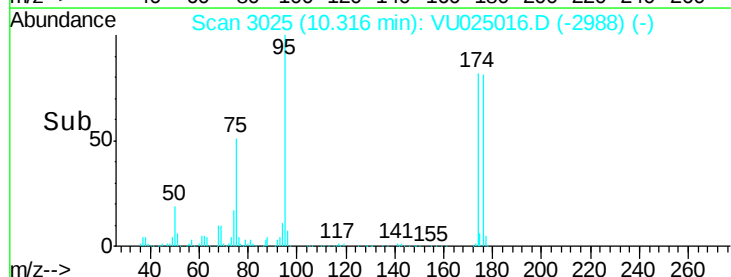
75 100

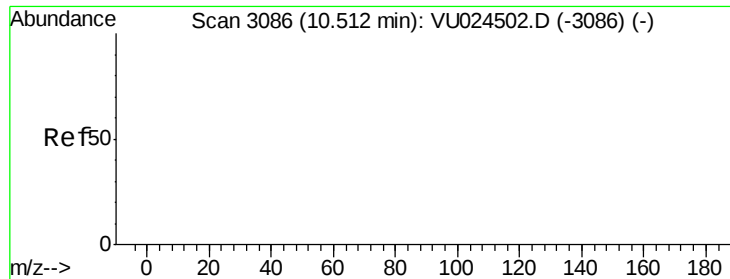
77 1.2 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

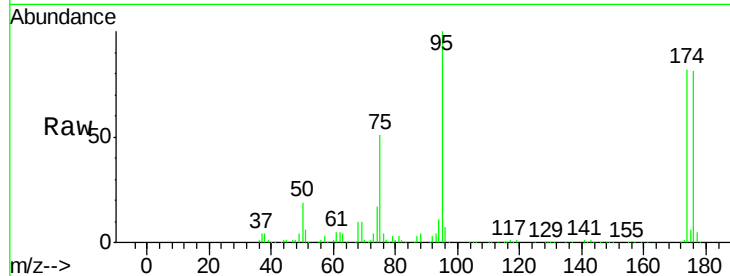




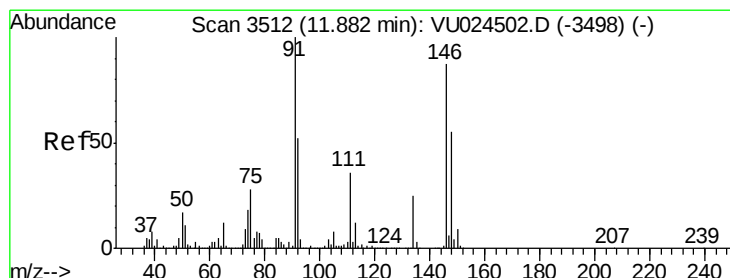
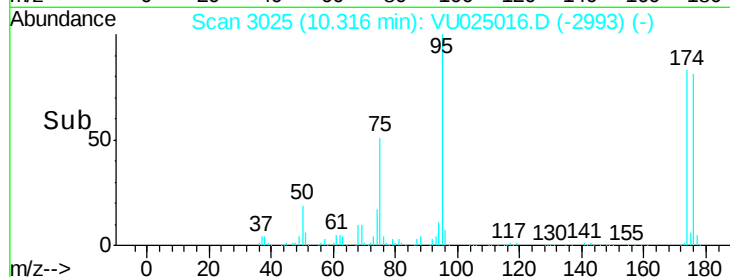
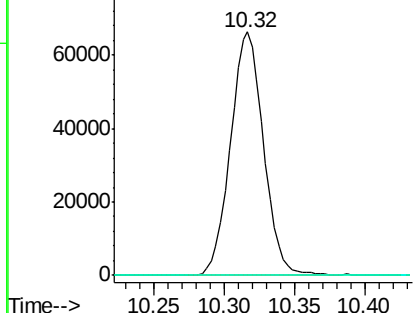
#81
trans-1,4-Dichloro-2-butene
Concen: 59.606 ug/l
RT: 10.32 min Scan# 3025
Delta R.T. -0.20 min
Lab File: VU025016.D
Acq: 28 Jun 2018 13:27

Instrument :
MSVOA_U
ClientSampleId :
WP021SB477-17-19-180621ME

Tgt Ion: 75 Resp: 108437
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

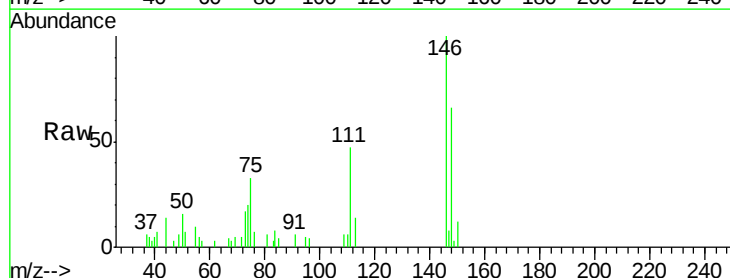


Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0

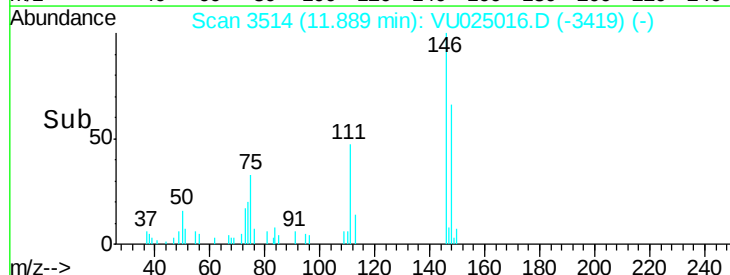
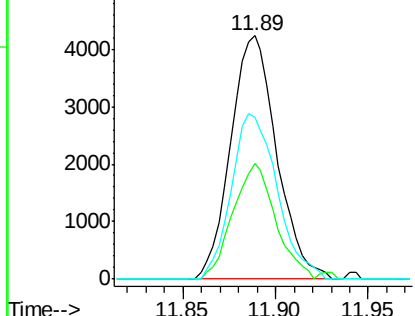


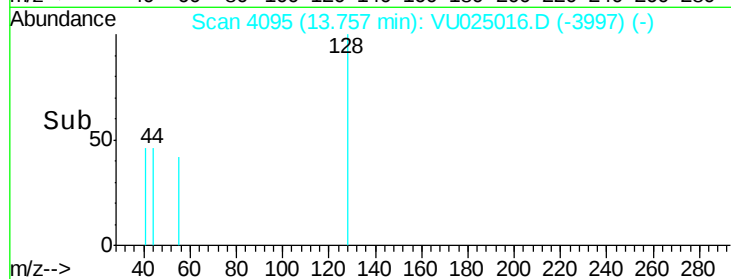
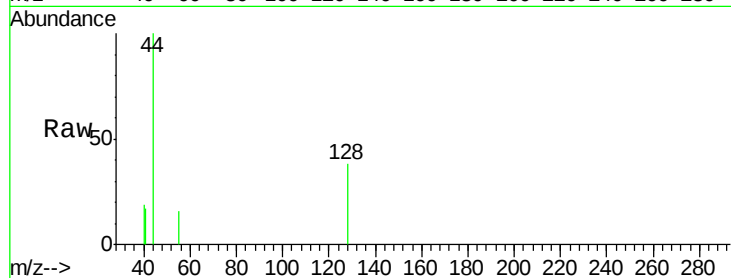
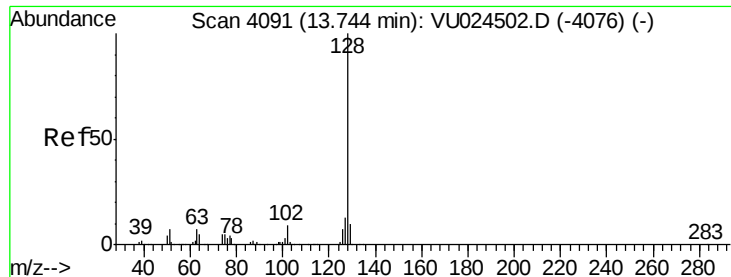
#91
1,2-Dichlorobenzene
Concen: 1.060 ug/l
RT: 11.89 min Scan# 3514
Delta R.T. 0.01 min
Lab File: VU025016.D
Acq: 28 Jun 2018 13:27

Tgt Ion: 146 Resp: 7288
Ion Ratio Lower Upper
146 100
111 43.8 20.5 61.6
148 67.7 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#95

Naphthalene

Concen: 0.696 ug/l

RT: 13.76 min Scan# 4095

Delta R.T. 0.01 min

Lab File: VU025016.D

Acq: 28 Jun 2018 13:27

Instrument :

MSVOA_U

ClientSampleId :

WP021SB477-17-19-180621ME

Tgt Ion:128 Resp: 232

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 12.8#

