

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062718\
 Data File : VU024941.D
 Acq On : 26 Jun 2018 23:57
 Operator : MD/SY
 Sample : J3669-30ME 5X
 Misc : 6.29g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB474-31-33-180620ME

Quant Time: Jun 27 04:17:33 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	211371	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	321226	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	295647	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	164966	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	157598	45.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.34%	
35) Dibromofluoromethane	4.89	113	123588	46.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.72%	
50) Toluene-d8	7.57	98	462368	47.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.10%	
62) 4-Bromofluorobenzene	10.31	95	174041	45.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.16%	

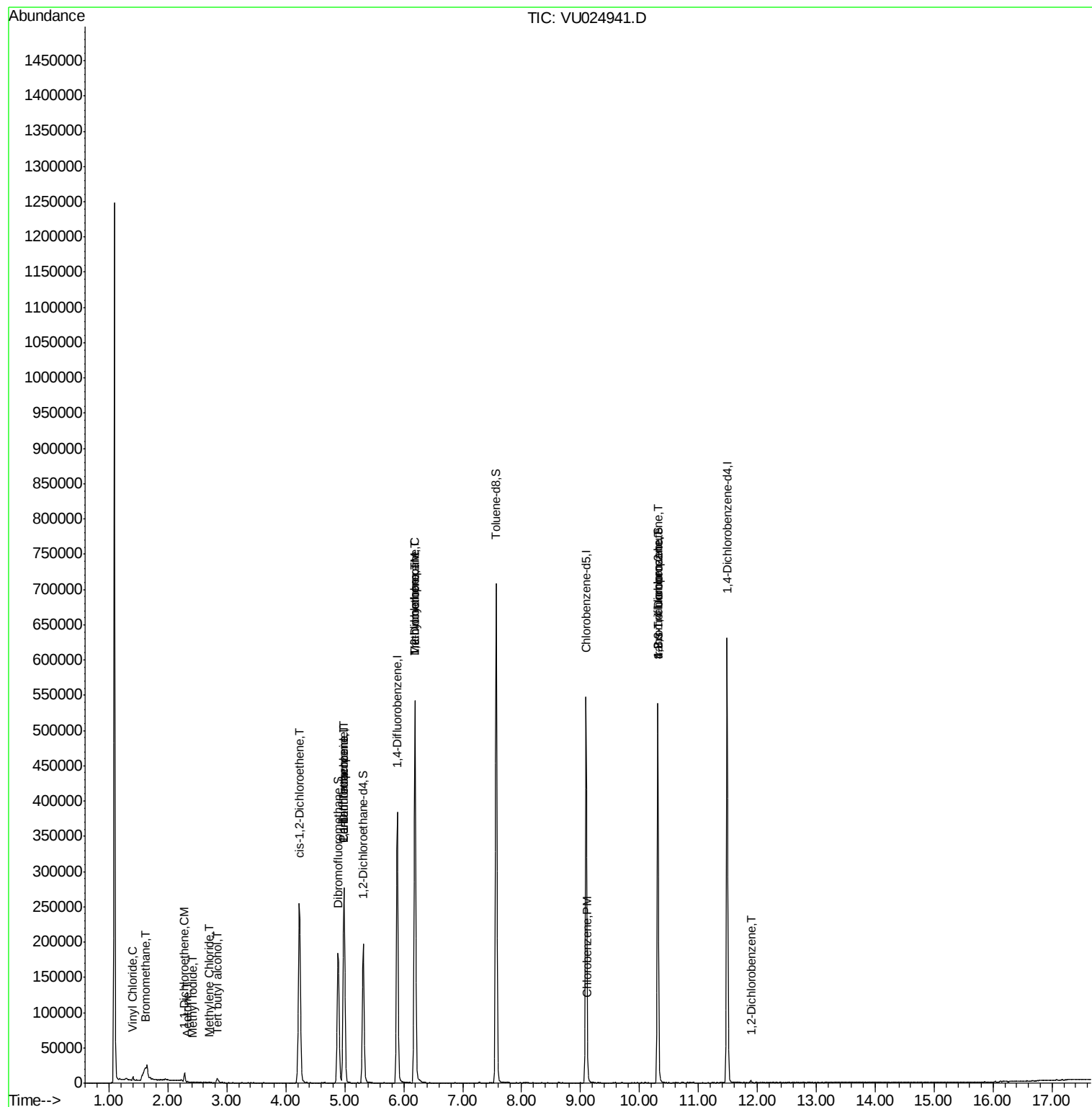
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	3533	1.267	ug/l	97
5) Bromomethane	1.62	94	580	0.430	ug/l #	74
6) Chloroethane	1.67	64	134	Below Cal	#	43
10) Methyl Iodide	2.42	142	48	5.308	ug/l #	40
11) Tert butyl alcohol	2.84	59	3623	4.317	ug/l #	79
12) 1,1-Dichloroethene	2.28	96	4070	1.691	ug/l	94
16) Acetone	2.33	43	1303	0.703	ug/l #	82
20) Methylene Chloride	2.70	84	604	0.208	ug/l #	81
27) cis-1,2-Dichloroethene	4.23	96	144537	47.428	ug/l	88
31) Cyclohexane	4.98	56	4449	Below Cal	#	8
36) 1,1-Dichloropropene	4.99	75	15323	4.059	ug/l #	51
38) Carbon Tetrachloride	4.99	117	20458	4.929	ug/l #	17
39) Methylcyclohexane	6.19	83	2403	0.510	ug/l #	1
44) Trichloroethene	6.19	130	190777	62.324	ug/l	94
45) 1,2-Dichloropropane	6.19	63	625	0.218	ug/l #	1
65) Chlorobenzene	9.13	112	4128	0.547	ug/l	90
76) 1,2,3-Trichloropropane	10.31	75	89864	24.743	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	89864	57.265	ug/l #	100
91) 1,2-Dichlorobenzene	11.89	146	1754	0.296	ug/l	94

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

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WP021SB474-31-33-180620ME

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU024941.D

Acq: 26 Jun 2018 23:57

Instrument :

MSVOA_U

ClientSampleId :

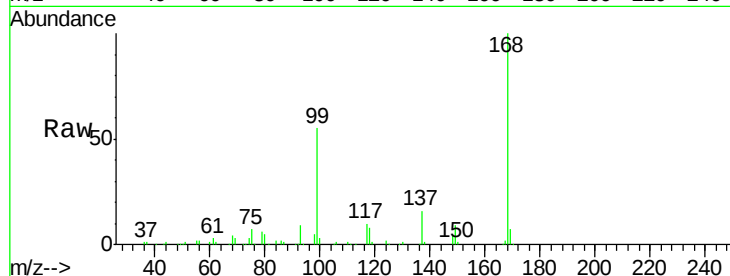
WP021SB474-31-33-180620ME

Tgt Ion:168 Resp: 211371

Ion Ratio Lower Upper

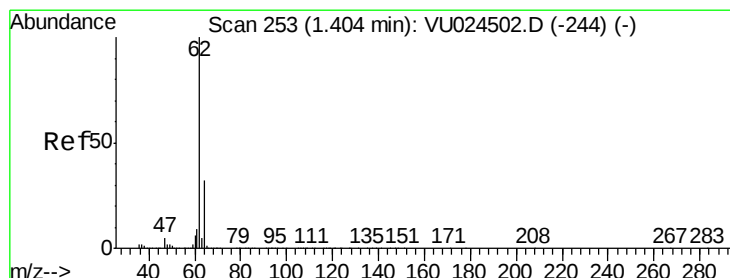
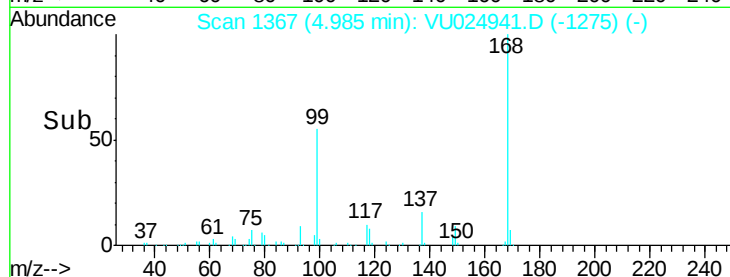
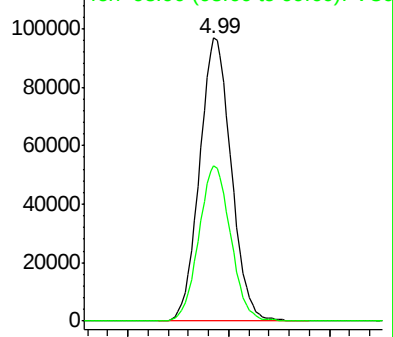
168 100

99 54.7 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#4

Vinyl Chloride

Concen: 1.267 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU024941.D

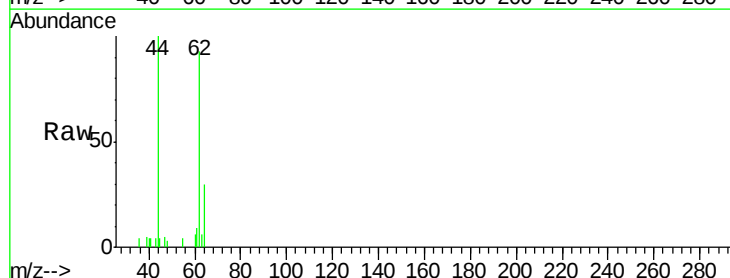
Acq: 26 Jun 2018 23:57

Tgt Ion: 62 Resp: 3533

Ion Ratio Lower Upper

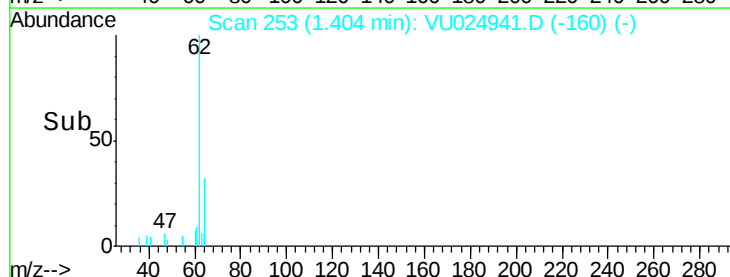
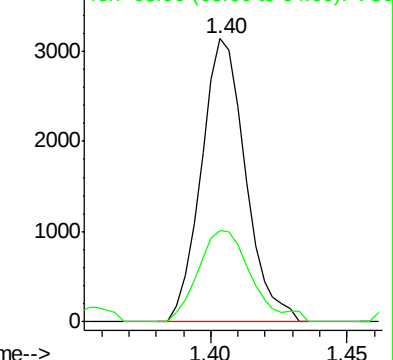
62 100

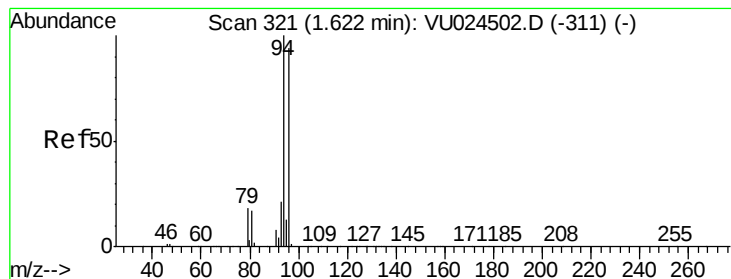
64 32.4 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 0.430 ug/l

RT: 1.62 min Scan# 321

Delta R.T. -0.00 min

Lab File: VU024941.D

Acq: 26 Jun 2018 23:57

Instrument :

MSVOA_U

ClientSampleId :

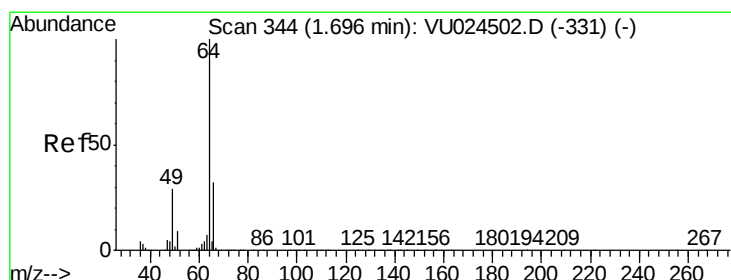
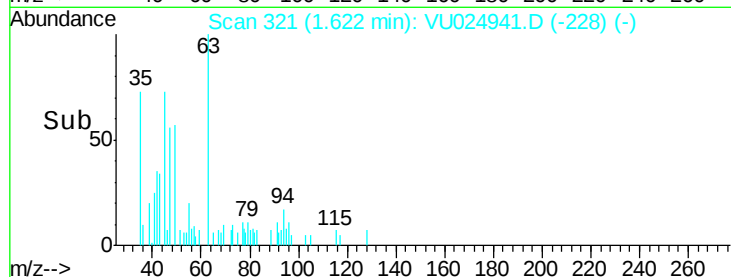
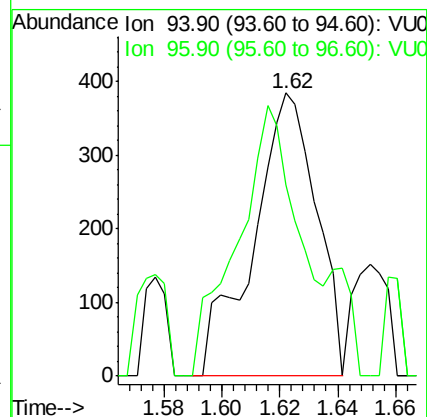
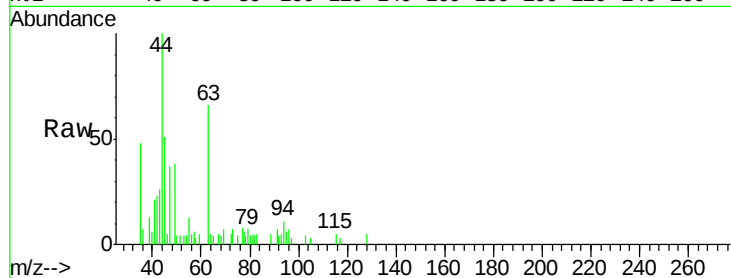
WP021SB474-31-33-180620ME

Tgt Ion: 94 Resp: 580

Ion Ratio Lower Upper

94 100

96 67.7 74.5 111.7#



#6

Chloroethane

Concen: Below Cal

RT: 1.67 min Scan# 335

Delta R.T. -0.03 min

Lab File: VU024941.D

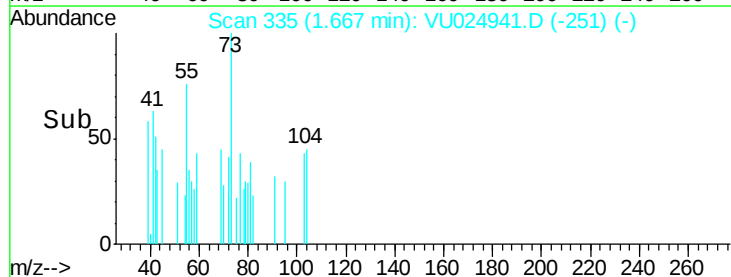
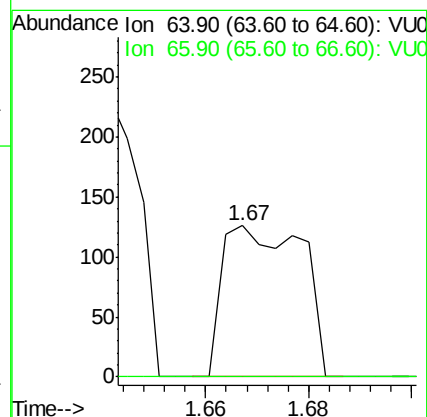
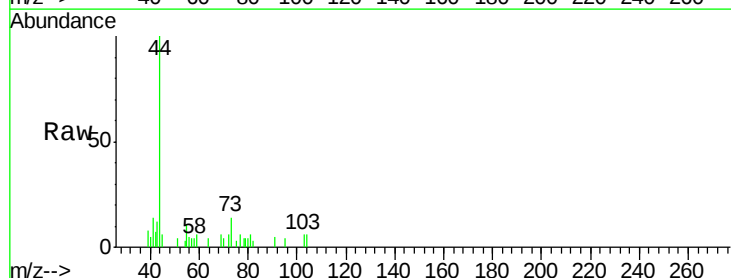
Acq: 26 Jun 2018 23:57

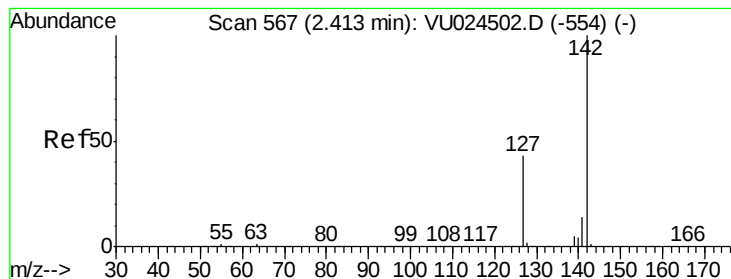
Tgt Ion: 64 Resp: 134

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#





#10

Methyl Iodide

Concen: 5.308 ug/l

RT: 2.42 min Scan# 570

Delta R.T. 0.01 min

Lab File: VU024941.D

Acq: 26 Jun 2018 23:57

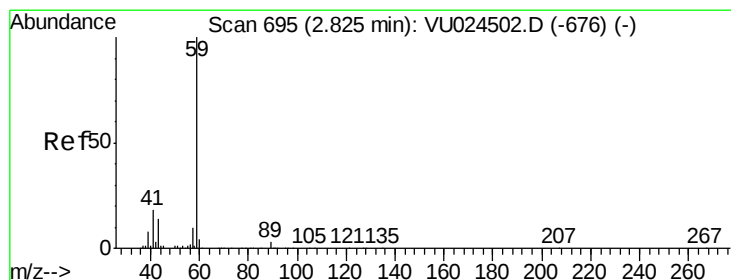
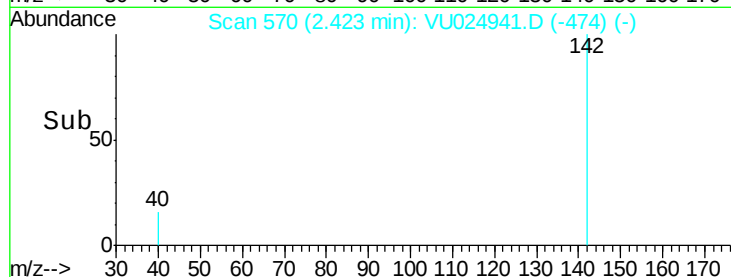
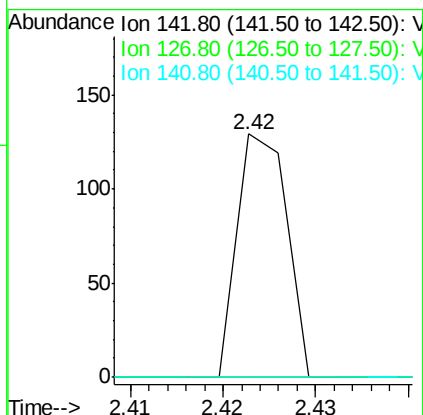
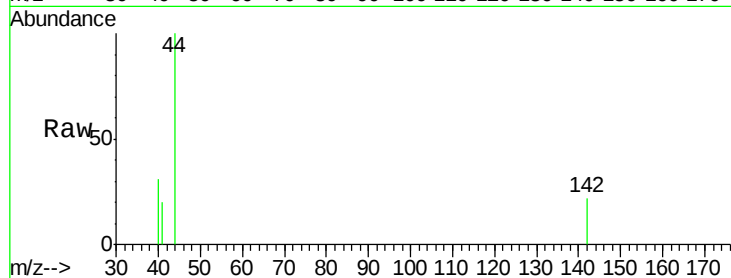
Instrument :

MSVOA_U

ClientSampleId :

WP021SB474-31-33-180620ME

Tgt Ion:	142	Resp:	48
Ion	Ratio	Lower	Upper
142	100		
127	0.0	35.6	53.4#
141	0.0	11.7	17.5#



#11

Tert butyl alcohol

Concen: 4.317 ug/l

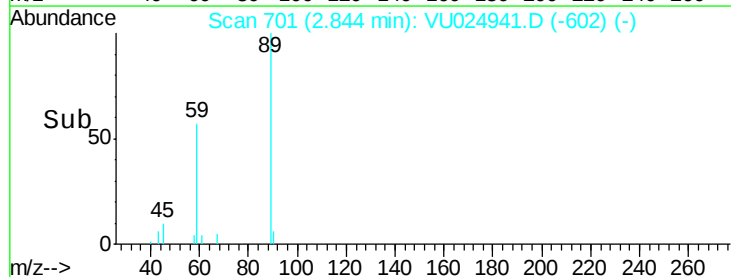
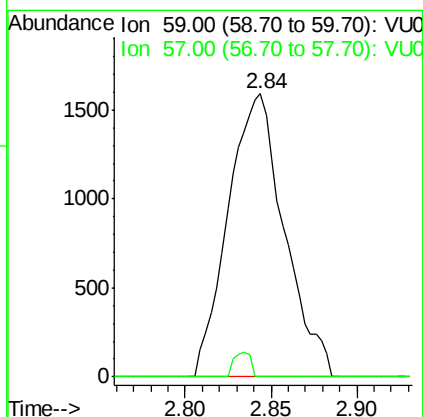
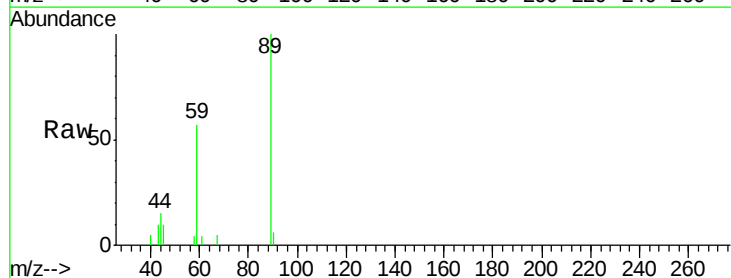
RT: 2.84 min Scan# 701

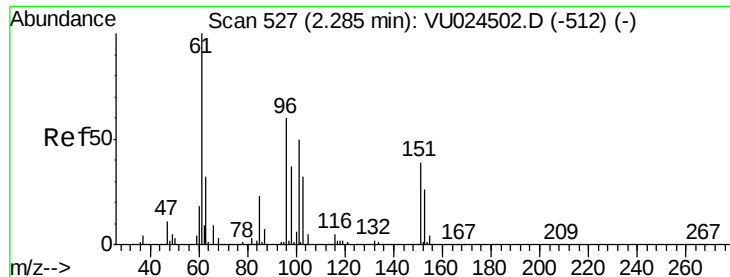
Delta R.T. 0.02 min

Lab File: VU024941.D

Acq: 26 Jun 2018 23:57

Tgt Ion:	59	Resp:	3623
Ion	Ratio	Lower	Upper
59	100		
57	2.6	8.5	12.7#





#12

1,1-Dichloroethene

Concen: 1.691 ug/l

RT: 2.28 min Scan# 526

Delta R.T. -0.00 min

Lab File: VU024941.D

Acq: 26 Jun 2018 23:57

Instrument :

MSVOA_U

ClientSampleId :

WP021SB474-31-33-180620ME

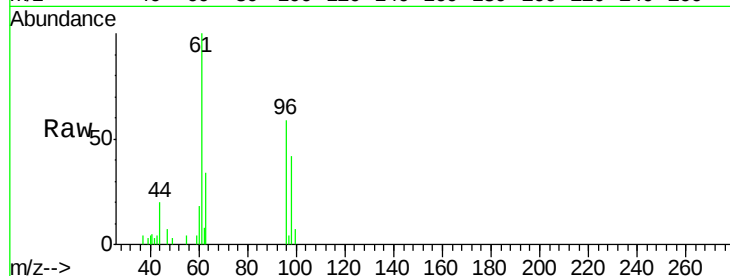
Tgt Ion: 96 Resp: 4070

Ion Ratio Lower Upper

96 100

61 169.4 141.7 212.5

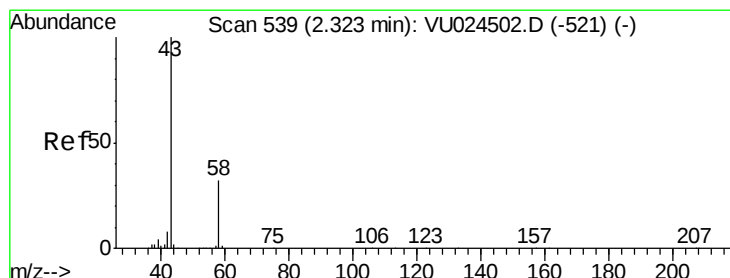
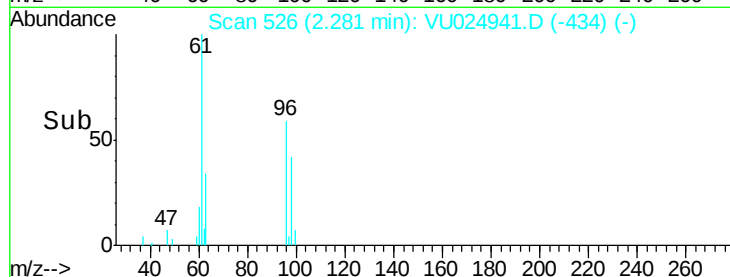
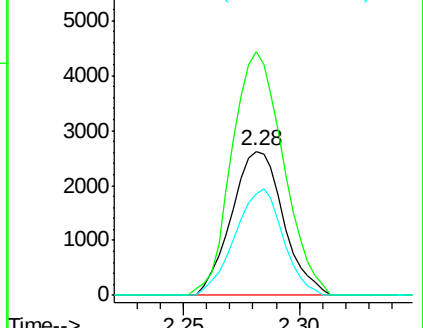
98 70.9 51.6 77.4



Abundance Ion 95.90 (95.60 to 96.60): VU024941.D (-434) (-)

Ion 60.90 (60.60 to 61.60): VU024941.D (-434) (-)

Ion 97.90 (97.60 to 98.60): VU024941.D (-434) (-)



#16

Acetone

Concen: 0.703 ug/l

RT: 2.33 min Scan# 541

Delta R.T. 0.01 min

Lab File: VU024941.D

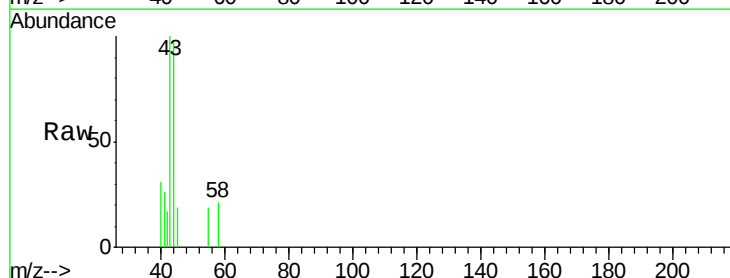
Acq: 26 Jun 2018 23:57

Tgt Ion: 43 Resp: 1303

Ion Ratio Lower Upper

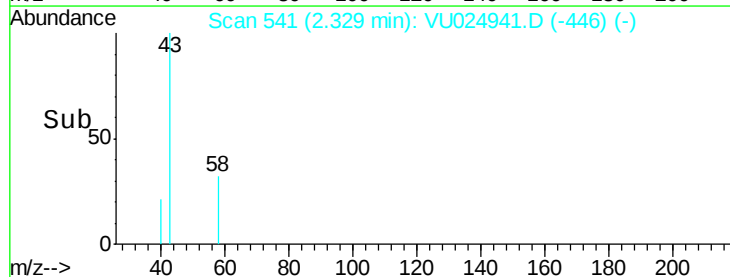
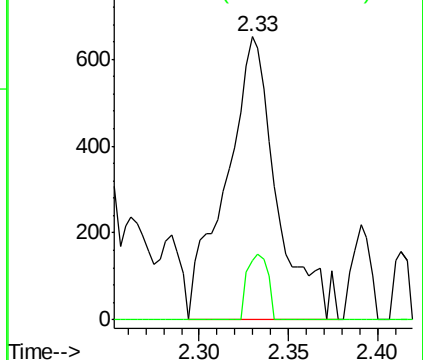
43 100

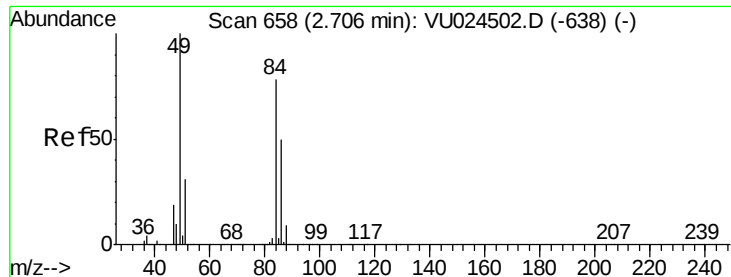
58 20.9 24.4 36.6#



Abundance Ion 43.00 (42.70 to 43.70): VU024941.D (-446) (-)

Ion 58.00 (57.70 to 58.70): VU024941.D (-446) (-)





#20

Methylene Chloride

Concen: 0.208 ug/l

RT: 2.70 min Scan# 656

Delta R.T. -0.01 min

Lab File: VU024941.D

Acq: 26 Jun 2018 23:57

Instrument :

MSVOA_U

ClientSampleId :

WP021SB474-31-33-180620ME

Tgt Ion: 84 Resp: 604

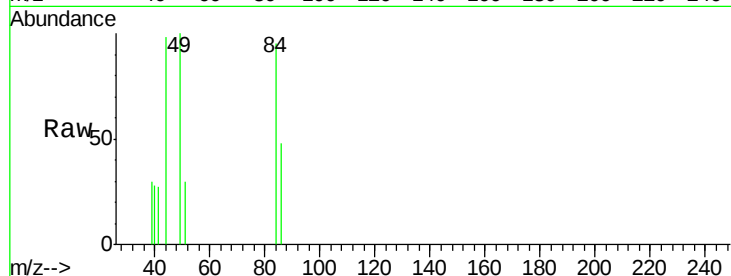
Ion Ratio Lower Upper

84 100

49 105.0 103.8 155.8

51 31.2 32.0 48.0#

86 49.9 51.6 77.4#

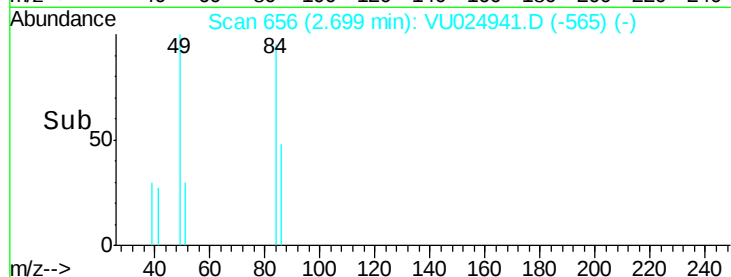
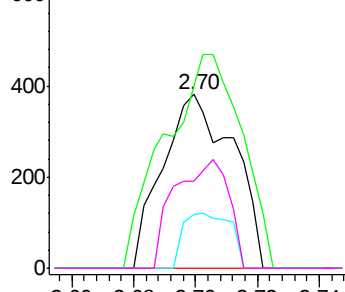


Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0



#27

cis-1,2-Dichloroethene

Concen: 47.428 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU024941.D

Acq: 26 Jun 2018 23:57

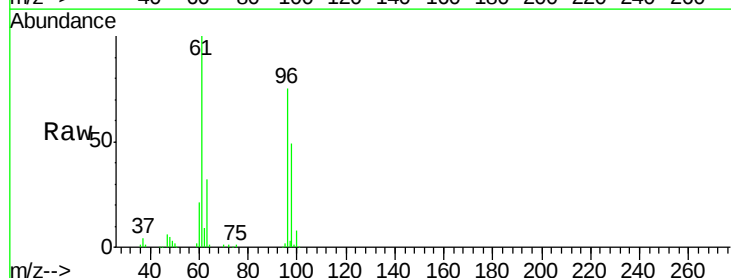
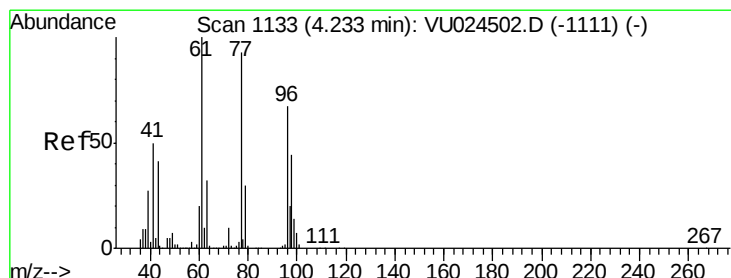
Tgt Ion: 96 Resp: 144537

Ion Ratio Lower Upper

96 100

61 132.4 0.0 306.6

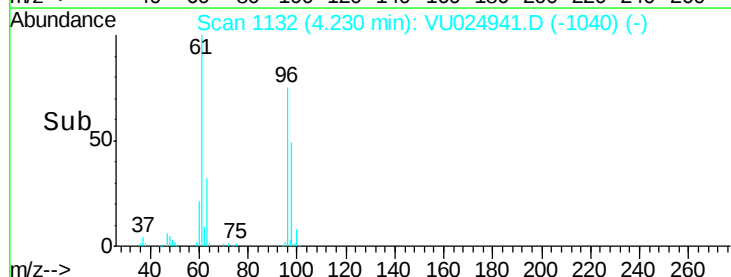
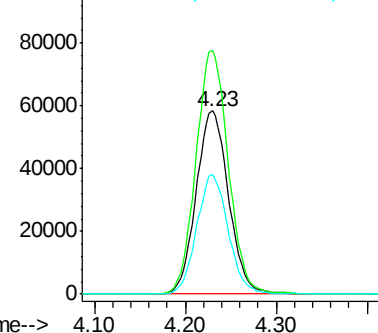
98 63.4 0.0 128.8

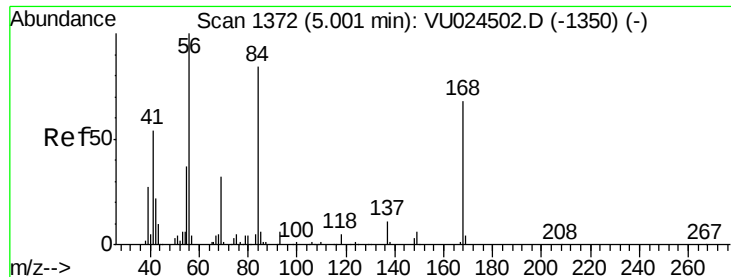


Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

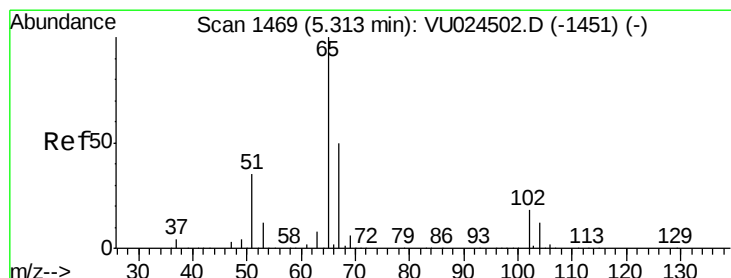
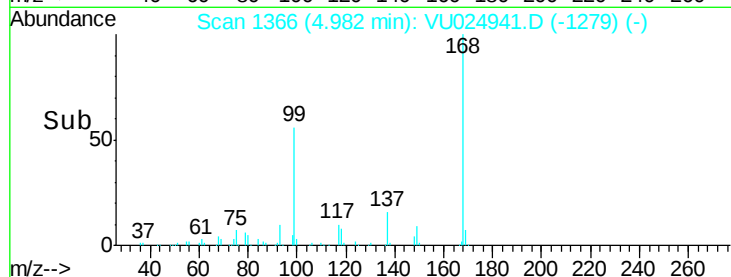
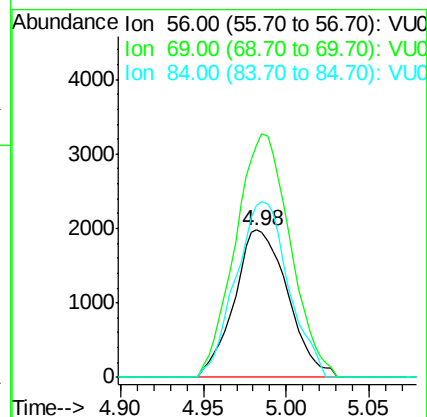
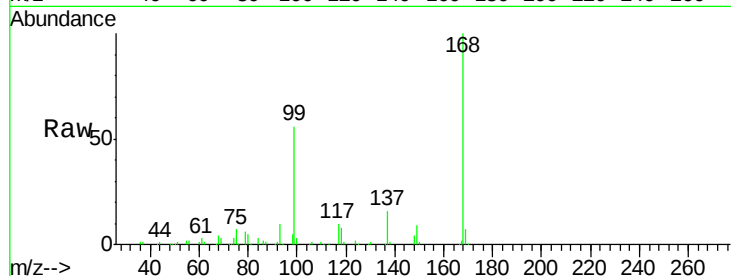




#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1366
Delta R.T. -0.02 min
Lab File: VU024941.D
Acq: 26 Jun 2018 23:57

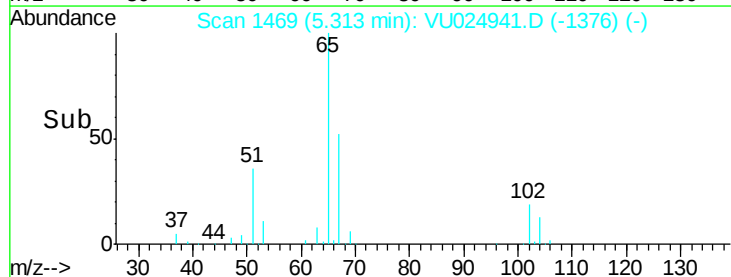
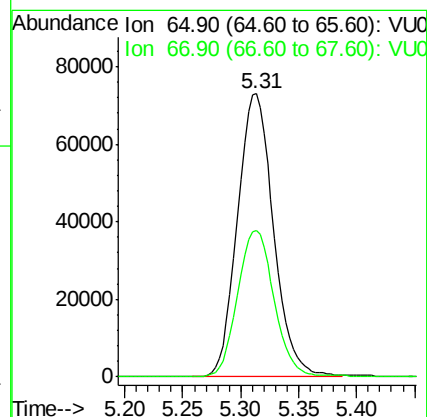
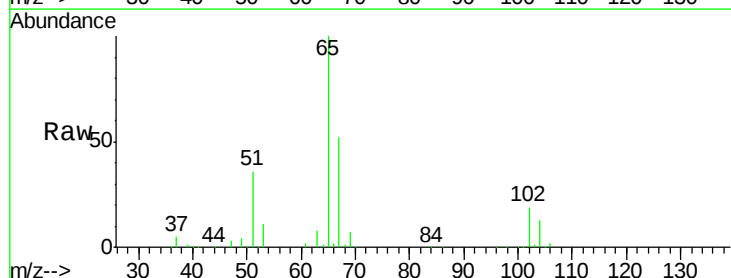
Instrument :
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WP021SB474-31-33-180620ME

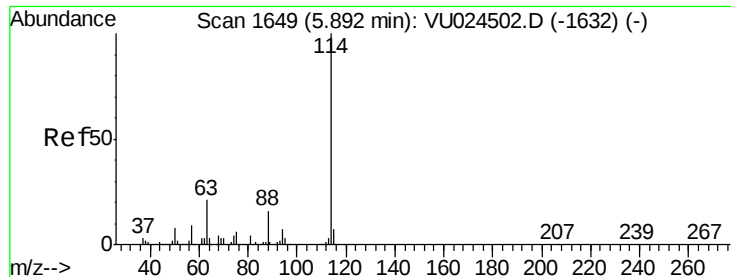
Tgt Ion: 56 Resp: 4449
Ion Ratio Lower Upper
56 100
69 157.0 24.8 37.2#
84 116.7 65.2 97.8#



#33
1,2-Dichloroethane-d4
Concen: 45.672 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VU024941.D
Acq: 26 Jun 2018 23:57

Tgt Ion: 65 Resp: 157598
Ion Ratio Lower Upper
65 100
67 52.5 0.0 107.0

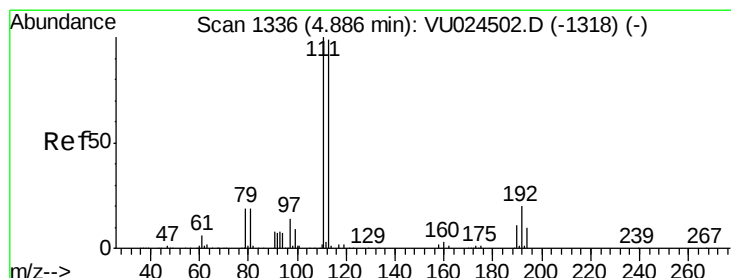
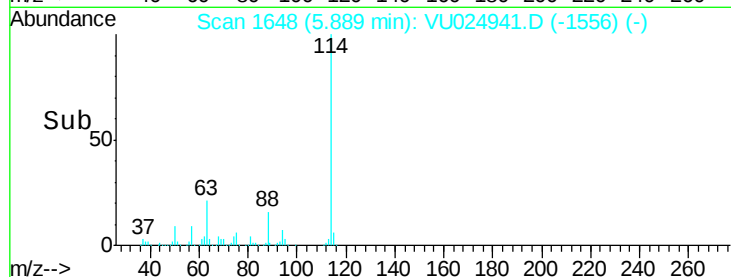
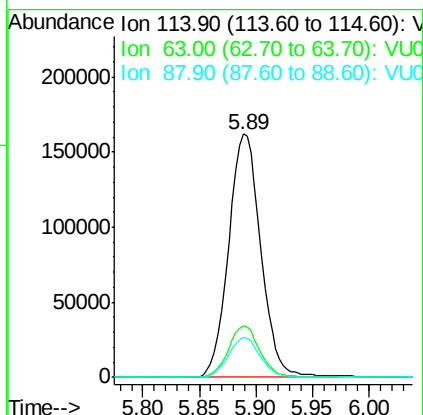
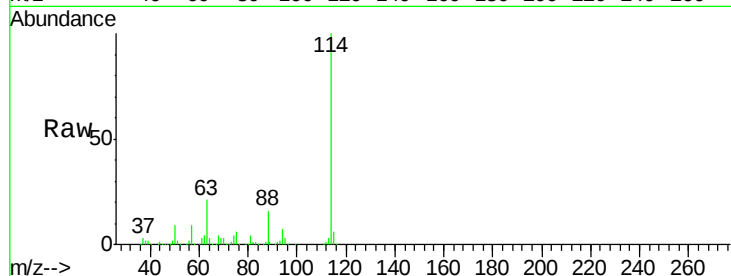




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024941.D
 Acq: 26 Jun 2018 23:57

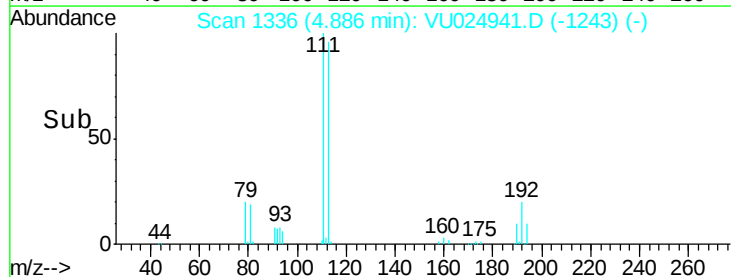
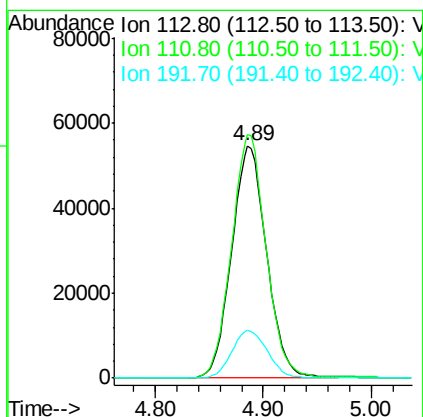
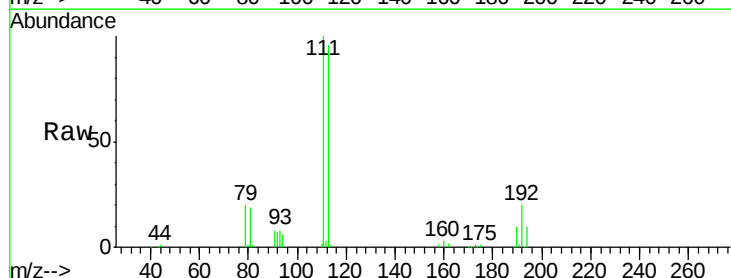
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB474-31-33-180620ME

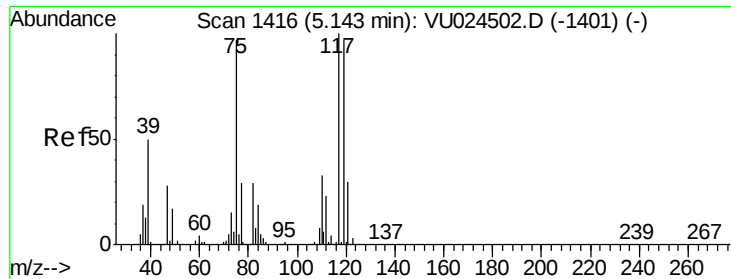
Tgt Ion:	114	Resp:	321226
Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	45.4
88	16.5	0.0	31.0



#35
 Dibromofluoromethane
 Concen: 46.358 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU024941.D
 Acq: 26 Jun 2018 23:57

Tgt Ion:	113	Resp:	123588
Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.2	123.4
192	21.0	16.2	24.4





#36

1,1-Dichloropropene

Concen: 4.059 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.16 min

Lab File: VU024941.D

Acq: 26 Jun 2018 23:57

Instrument :

MSVOA_U

ClientSampleId :

WP021SB474-31-33-180620ME

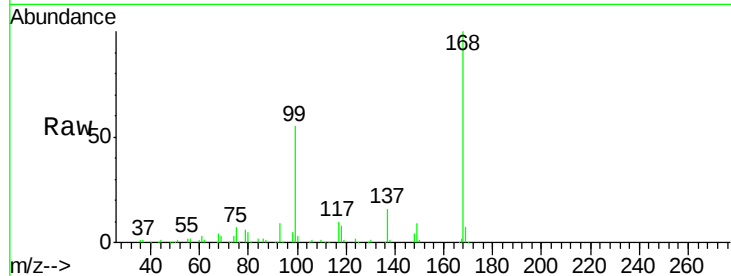
Tgt Ion: 75 Resp: 15323

Ion Ratio Lower Upper

75 100

110 9.2 17.0 50.9#

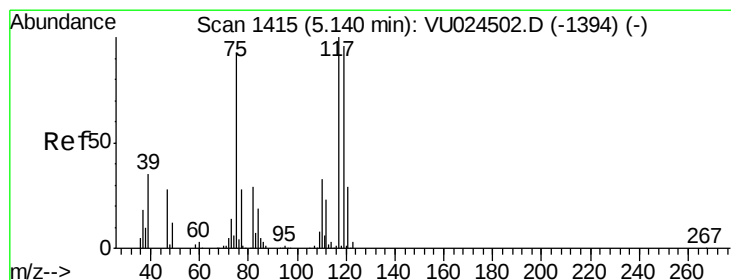
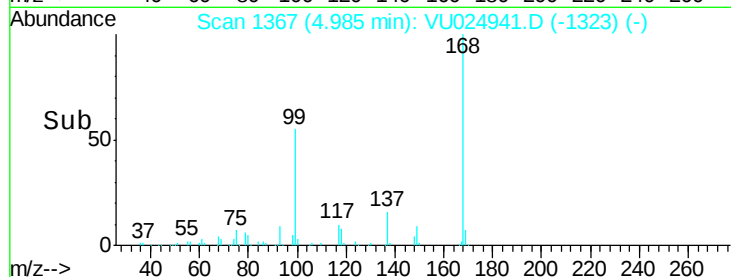
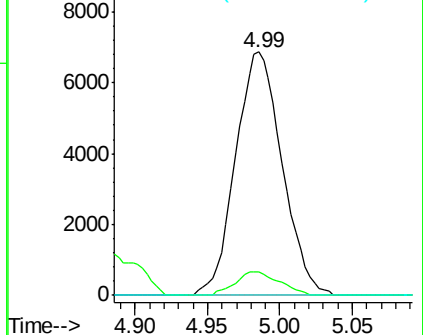
77 0.0 24.2 36.4#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0



#38

Carbon Tetrachloride

Concen: 4.929 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.15 min

Lab File: VU024941.D

Acq: 26 Jun 2018 23:57

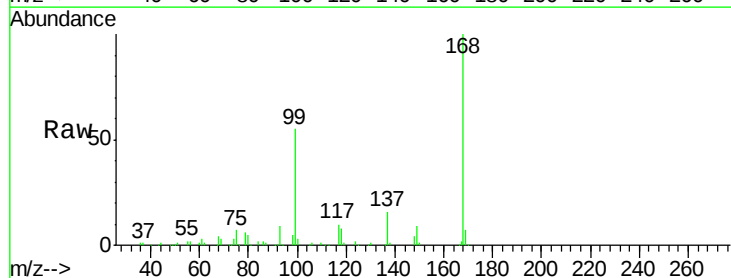
Tgt Ion: 117 Resp: 20458

Ion Ratio Lower Upper

117 100

119 6.0 76.1 114.1#

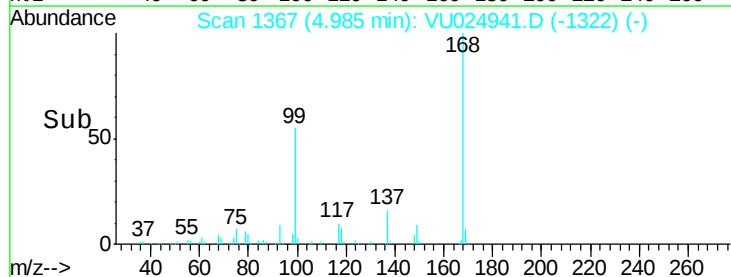
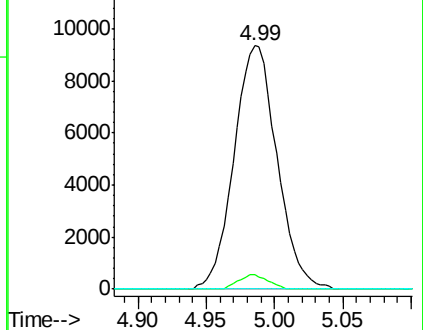
121 0.0 23.7 35.5#

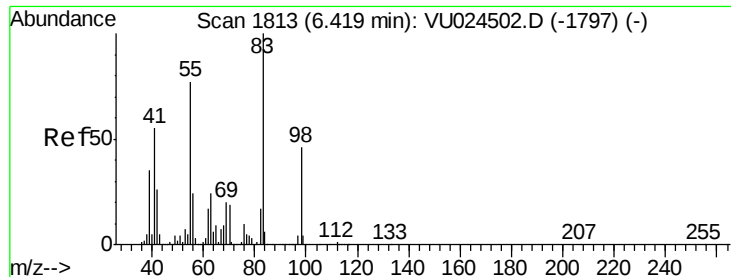


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

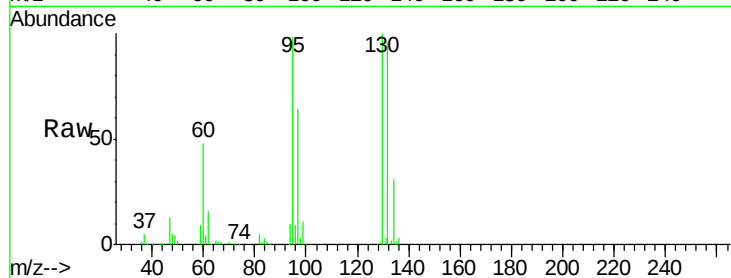




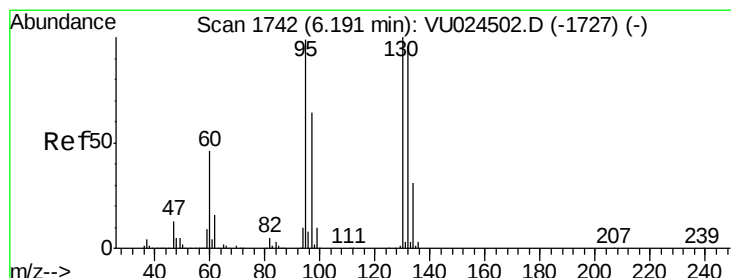
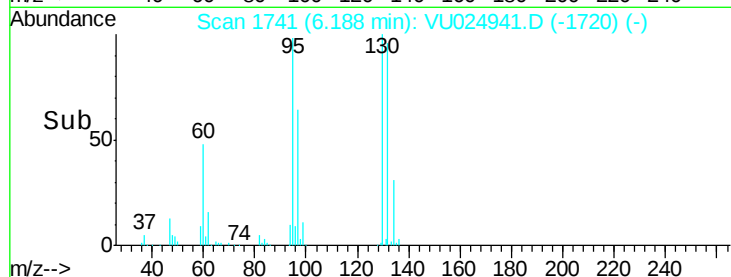
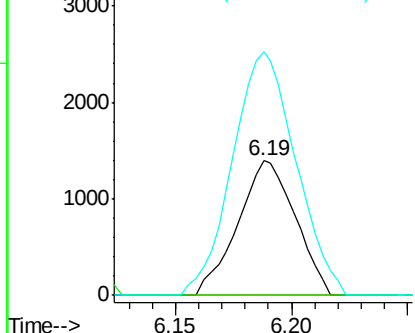
#39
Methylcyclohexane
Concen: 0.510 ug/l
RT: 6.19 min Scan# 1741
Delta R.T. -0.23 min
Lab File: VU024941.D
Acq: 26 Jun 2018 23:57

Instrument :
MSVOA_U
ClientSampleId :
WP021SB474-31-33-180620ME

Tgt Ion: 83 Resp: 2403
Ion Ratio Lower Upper
83 100
55 0.0 65.8 98.6#
98 173.1 36.7 55.1#

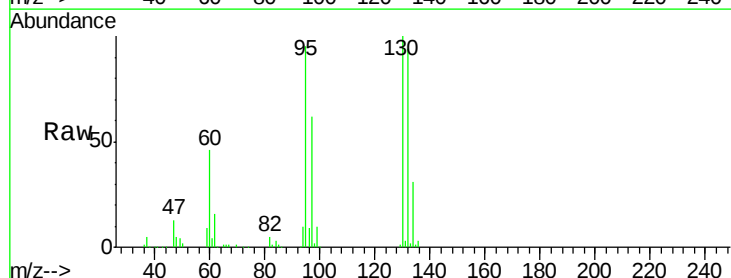


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

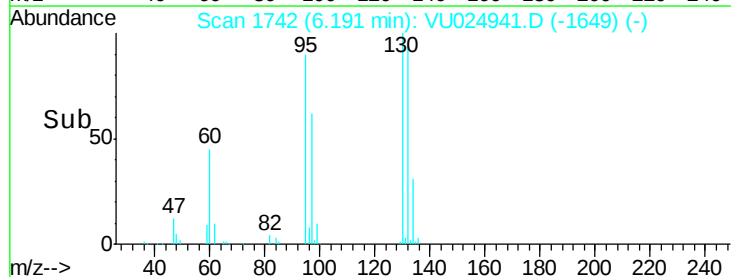
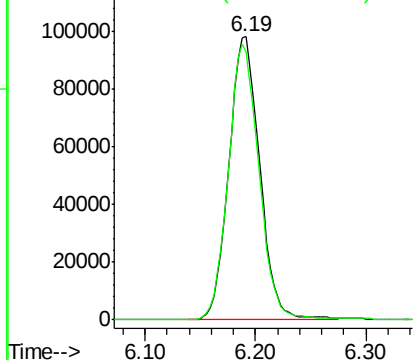


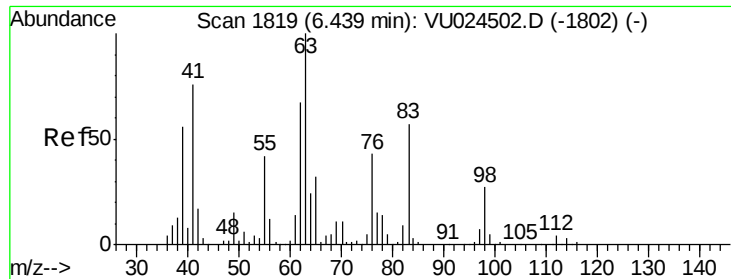
#44
Trichloroethene
Concen: 62.324 ug/l
RT: 6.19 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VU024941.D
Acq: 26 Jun 2018 23:57

Tgt Ion: 130 Resp: 190777
Ion Ratio Lower Upper
130 100
95 94.8 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VU0





#45

1,2-Dichloropropane

Concen: 0.218 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. -0.25 min

Lab File: VU024941.D

Acq: 26 Jun 2018 23:57

Instrument :

MSVOA_U

ClientSampleId :

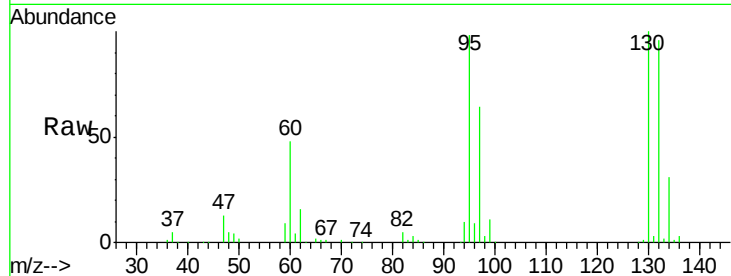
WP021SB474-31-33-180620ME

Tgt Ion: 63 Resp: 625

Ion Ratio Lower Upper

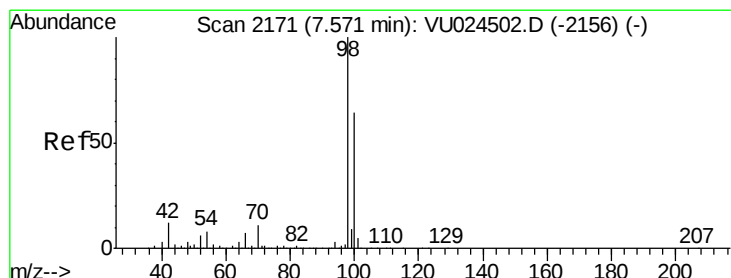
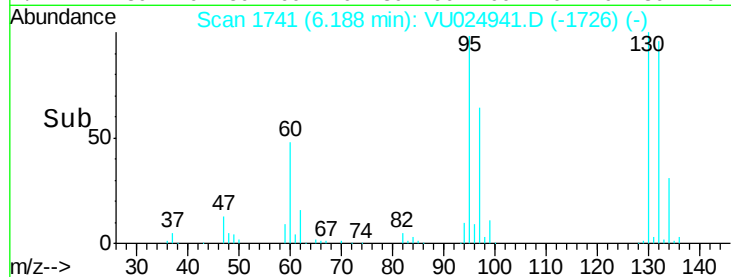
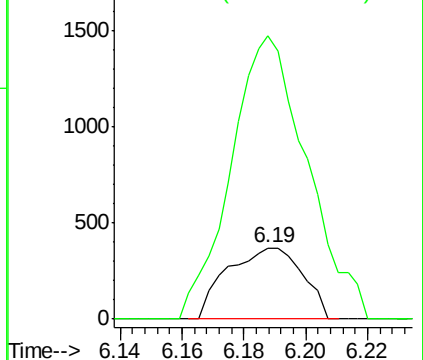
63 100

65 360.8 24.8 37.2#



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#50

Toluene-d8

Concen: 47.548 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024941.D

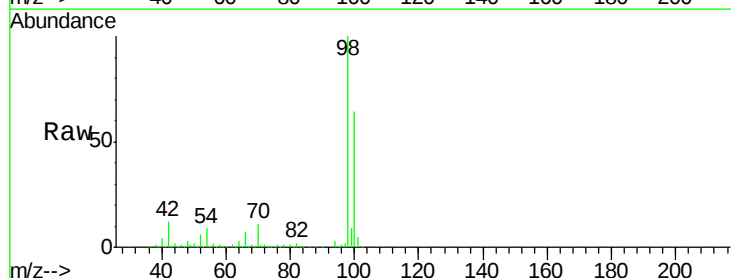
Acq: 26 Jun 2018 23:57

Tgt Ion: 98 Resp: 462368

Ion Ratio Lower Upper

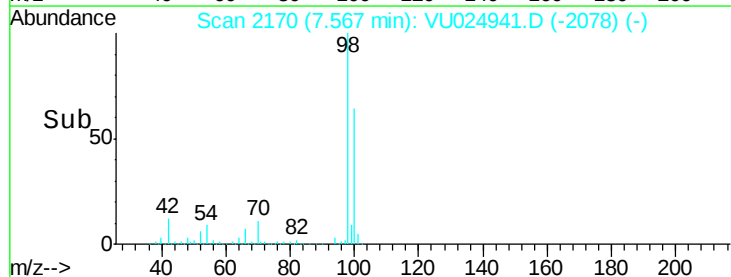
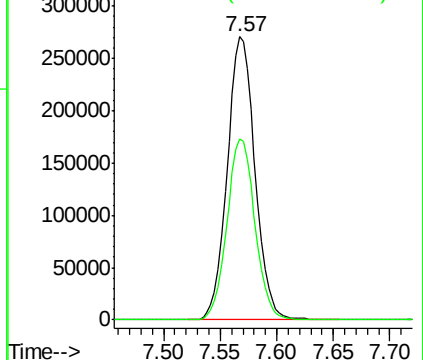
98 100

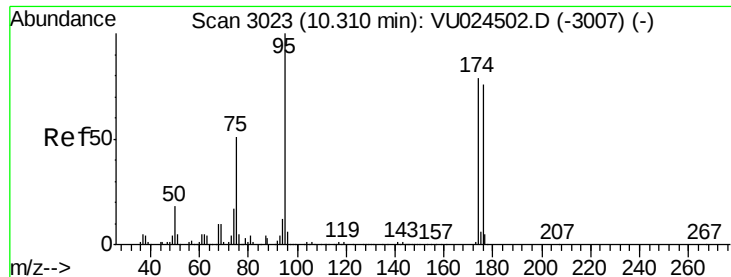
100 64.3 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#62

4-Bromofluorobenzene

Concen: 45.078 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU024941.D

Acq: 26 Jun 2018 23:57

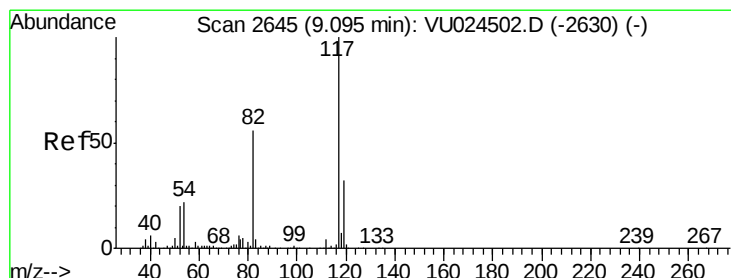
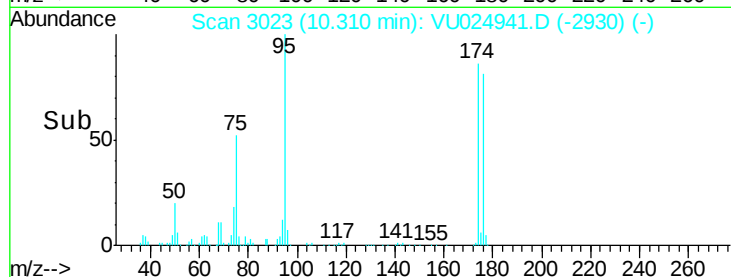
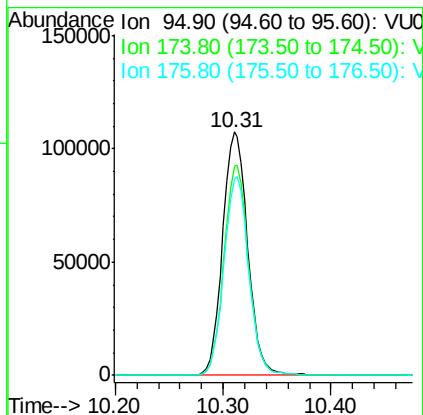
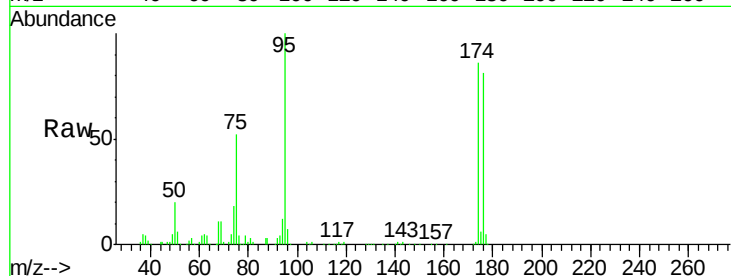
Instrument :

MSVOA_U

ClientSampleId :

WP021SB474-31-33-180620ME

Tgt Ion:	95	Resp:	174041
Ion	Ratio	Lower	Upper
95	100		
174	84.7	0.0	165.8
176	80.6	0.0	159.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

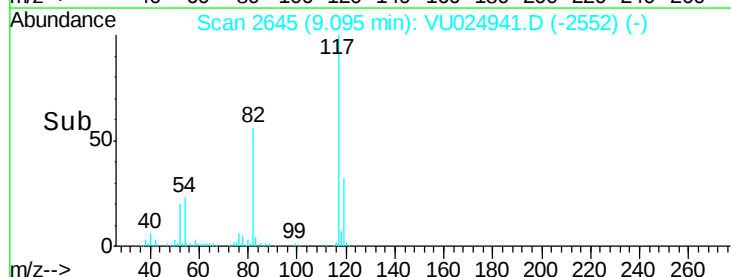
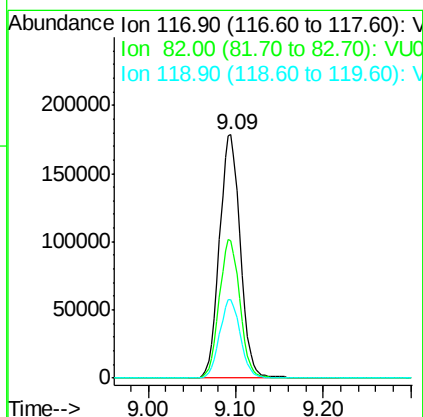
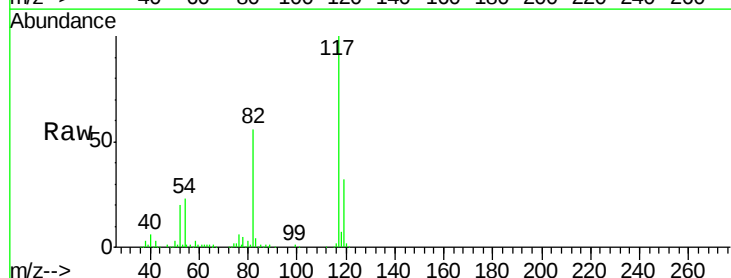
RT: 9.09 min Scan# 2645

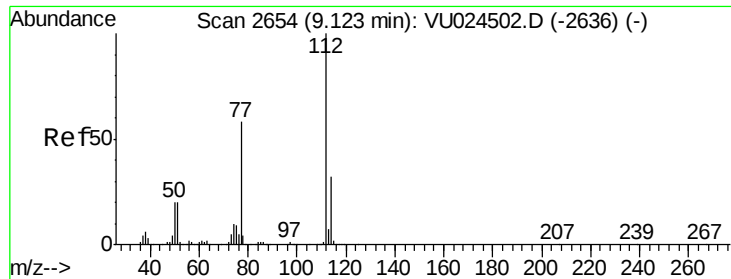
Delta R.T. -0.00 min

Lab File: VU024941.D

Acq: 26 Jun 2018 23:57

Tgt Ion:	117	Resp:	295647
Ion	Ratio	Lower	Upper
117	100		
82	56.3	44.3	66.5
119	32.4	25.4	38.2





#65

Chlorobenzene

Concen: 0.547 ug/l

RT: 9.13 min Scan# 2655

Delta R.T. 0.00 min

Lab File: VU024941.D

Acq: 26 Jun 2018 23:57

Instrument :

MSVOA_U

ClientSampleId :

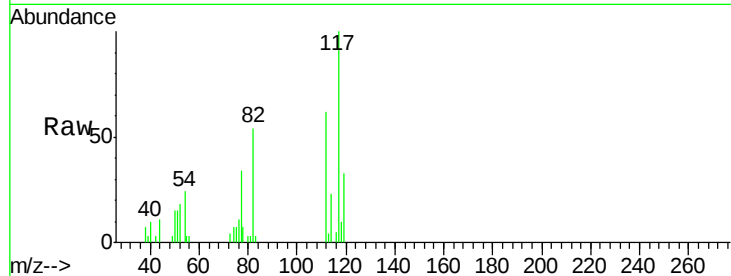
WP021SB474-31-33-180620ME

Tgt Ion:112 Resp: 4128

Ion Ratio Lower Upper

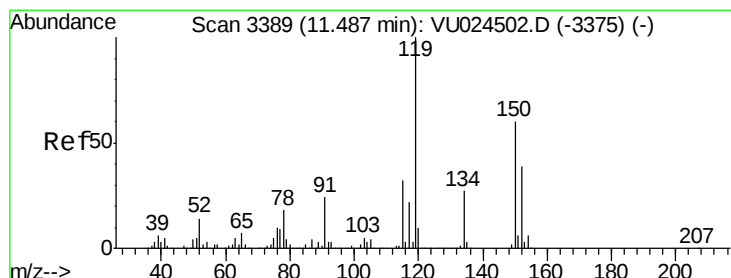
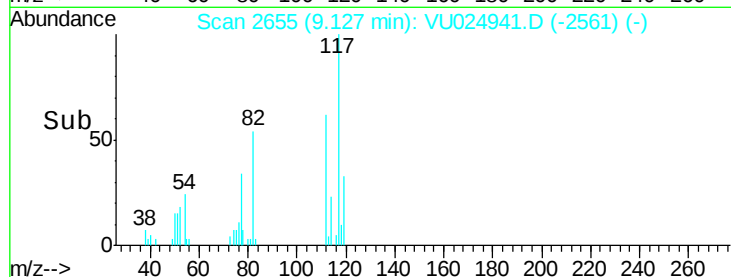
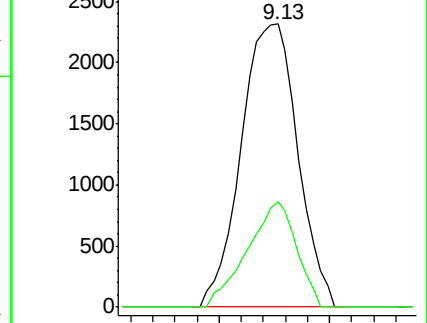
112 100

114 37.5 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU024941.D

Acq: 26 Jun 2018 23:57

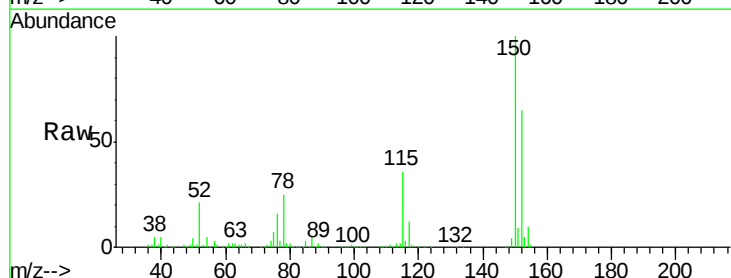
Tgt Ion:152 Resp: 164966

Ion Ratio Lower Upper

152 100

115 57.1 43.0 129.0

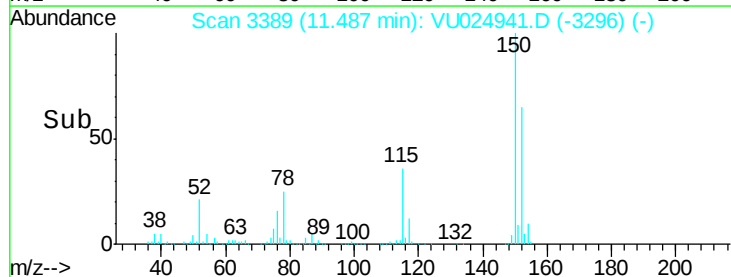
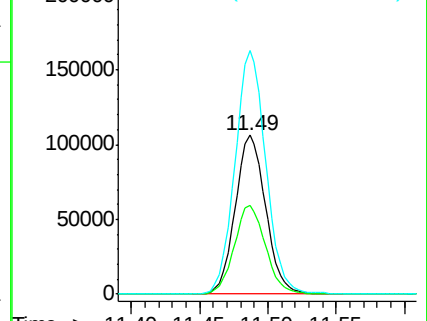
150 155.0 0.0 354.0

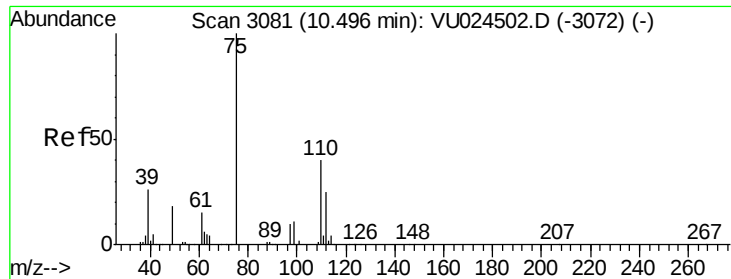


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.743 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024941.D

Acq: 26 Jun 2018 23:57

Instrument :

MSVOA_U

ClientSampleId :

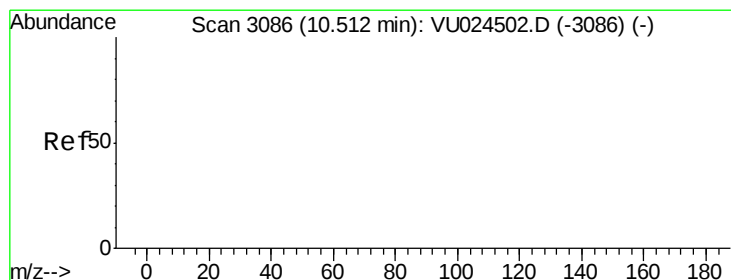
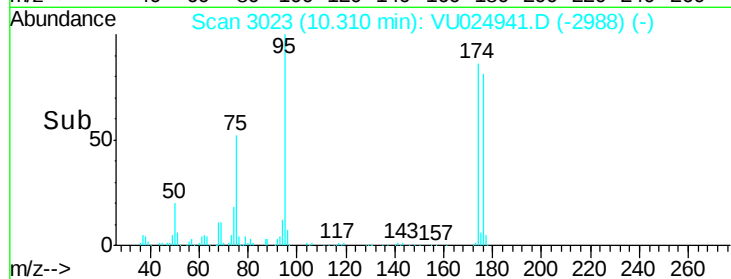
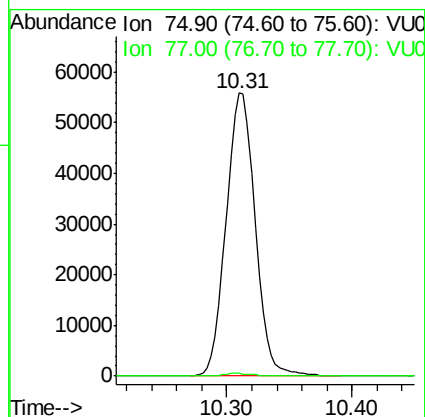
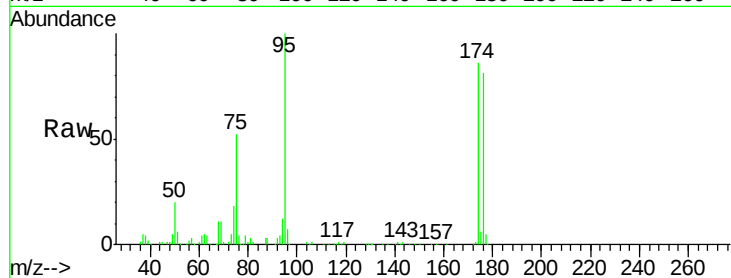
WP021SB474-31-33-180620ME

Tgt Ion: 75 Resp: 89864

Ion Ratio Lower Upper

75 100

77 1.0 20.9 62.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 57.265 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024941.D

Acq: 26 Jun 2018 23:57

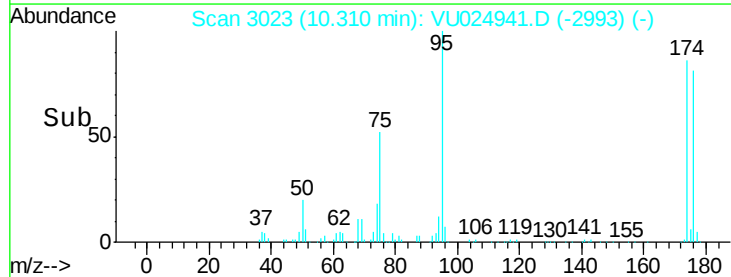
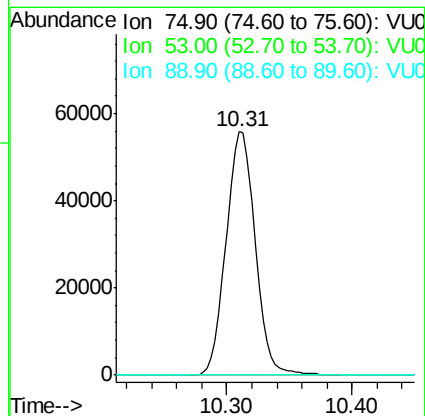
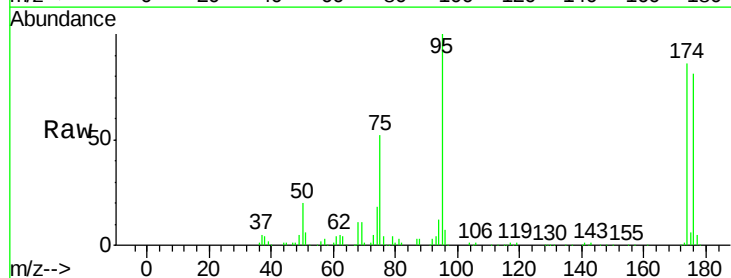
Tgt Ion: 75 Resp: 89864

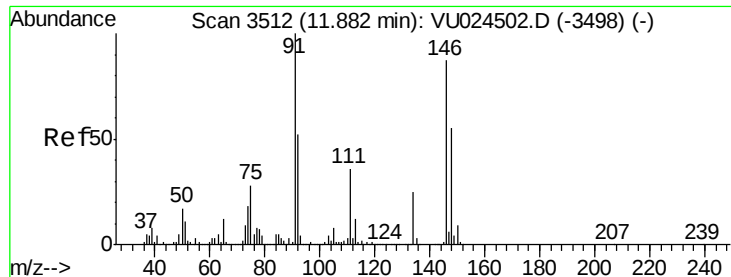
Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0





#91

1,2-Dichlorobenzene

Concen: 0.296 ug/l

RT: 11.89 min Scan# 3513

Delta R.T. 0.00 min

Lab File: VU024941.D

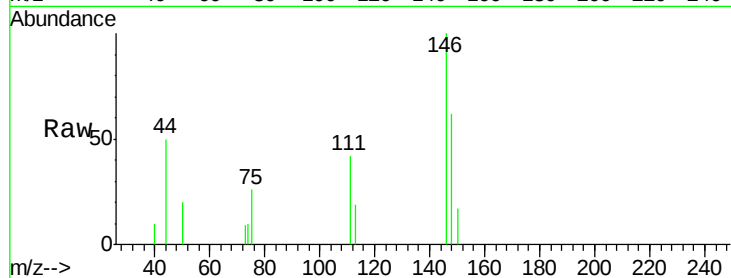
Acq: 26 Jun 2018 23:57

Instrument :

MSVOA_U

ClientSampleId :

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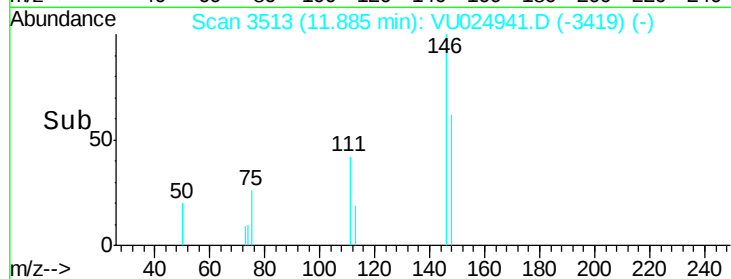
Tgt Ion:146 Resp: 1754

Ion Ratio Lower Upper

146 100

111 46.8 20.5 61.6

148 66.8 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

