

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062718\
 Data File : VU024964.D
 Acq On : 27 Jun 2018 14:14
 Operator : MD/SY
 Sample : J3669-29MEDL 5X
 Misc : 6.26g/5.0mL/100uL/5.00ML/MSVOA_U/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB474-29-31-180620MEDL

Quant Time: Jun 28 02:25:26 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

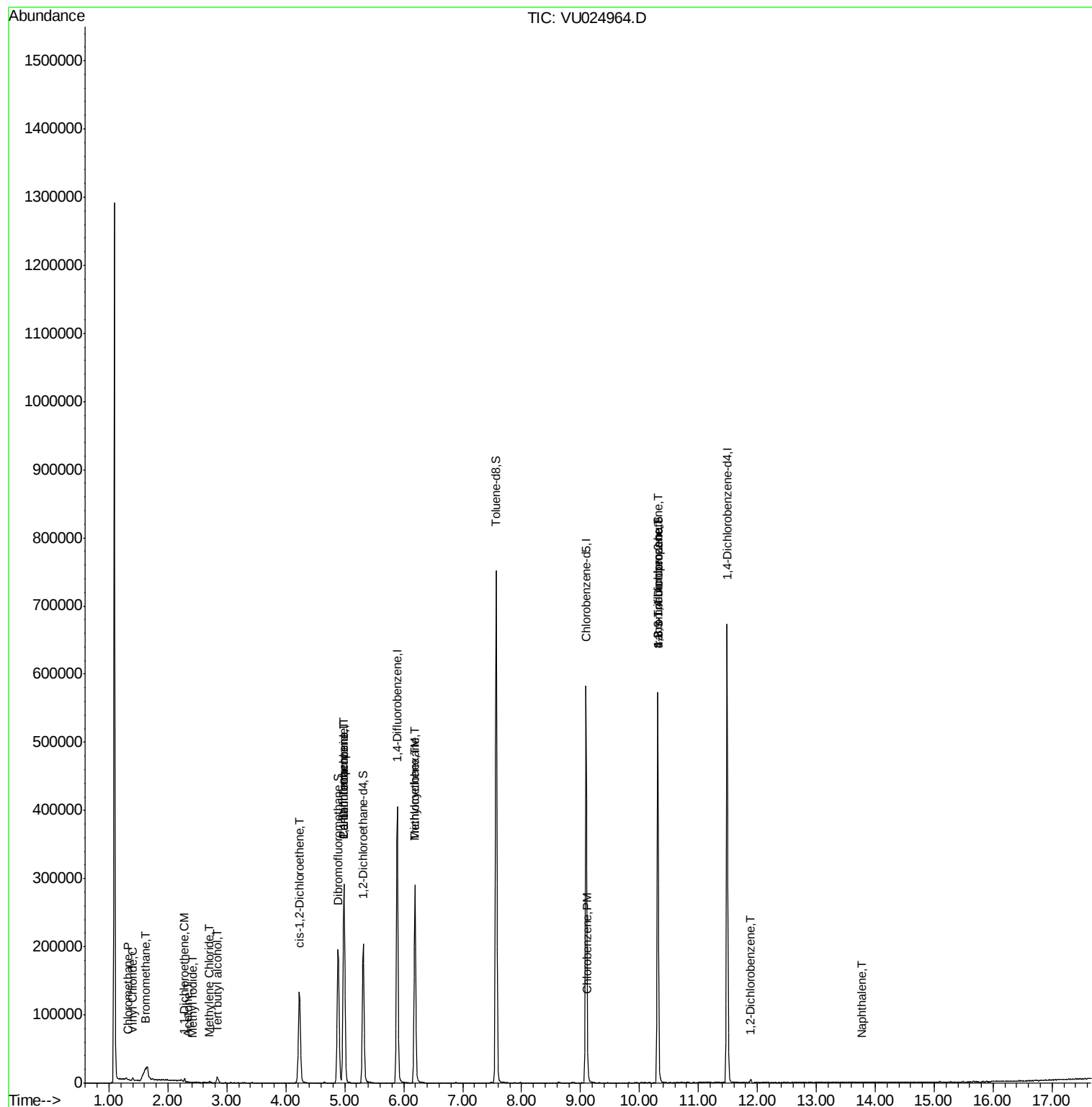
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	223489	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	341721	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	312199	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	173488	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	166469	45.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.26%	
35) Dibromofluoromethane	4.89	113	132605	46.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.52%	
50) Toluene-d8	7.57	98	486809	47.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.12%	
62) 4-Bromofluorobenzene	10.31	95	187710	45.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.40%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	682	0.239	ug/l	90
4) Vinyl Chloride	1.40	62	2605	0.884	ug/l #	81
5) Bromomethane	1.62	94	674	0.473	ug/l	90
6) Chloroethane	1.65	64	189	Below Cal	#	43
8) Diethyl Ether	2.10	74	48	Below Cal	#	47
10) Methyl Iodide	2.41	142	267	5.390	ug/l #	61
11) Tert butyl alcohol	2.84	59	5385	6.069	ug/l #	72
12) 1,1-Dichloroethene	2.28	96	1732	0.681	ug/l #	78
16) Acetone	2.33	43	1319	0.673	ug/l	90
20) Methylene Chloride	2.70	84	704	0.229	ug/l	89
27) cis-1,2-Dichloroethene	4.23	96	76270	23.670	ug/l	88
31) Cyclohexane	4.98	56	4659	Below Cal	#	13
36) 1,1-Dichloropropene	4.99	75	17119	4.263	ug/l #	50
38) Carbon Tetrachloride	4.99	117	21343	4.833	ug/l #	17
39) Methylcyclohexane	6.19	83	1240	0.247	ug/l #	1
44) Trichloroethene	6.19	130	102007	31.326	ug/l	98
65) Chlorobenzene	9.13	112	6703	0.840	ug/l	99
76) 1,2,3-Trichloropropane	10.31	75	95138	24.908	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	95138	57.648	ug/l #	100
91) 1,2-Dichlorobenzene	11.89	146	2106	0.337	ug/l	91
95) Naphthalene	13.77	128	268	0.700	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# 1367

Delta R.T. -0.00 min

Lab File: VU024964.D

Acq: 27 Jun 2018 14:14

Instrument :

MSVOA_U

ClientSampleId :

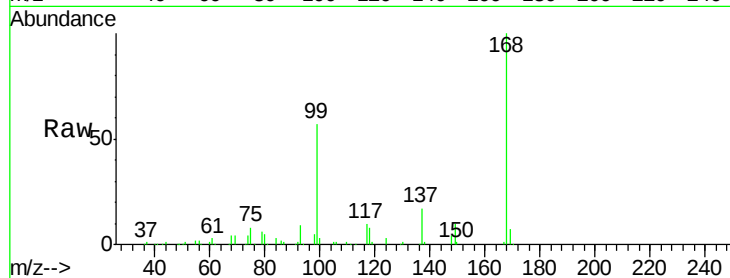
WP021SB474-29-31-180620MEDL

Tgt Ion:168 Resp: 223489

Ion Ratio Lower Upper

168 100

99 57.2 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024964.D (-1275) (-)

4.99

100000

80000

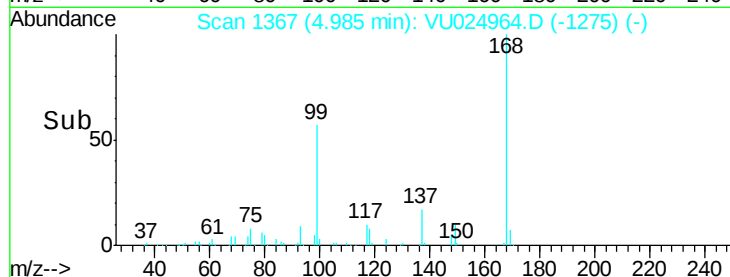
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.239 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU024964.D

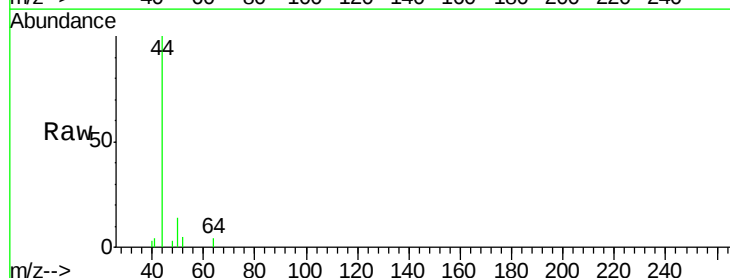
Acq: 27 Jun 2018 14:14

Tgt Ion: 50 Resp: 682

Ion Ratio Lower Upper

50 100

52 38.6 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU024502.D (-221) (-)

Ion 51.90 (51.60 to 52.60): VU024964.D (-137) (-)

1.33

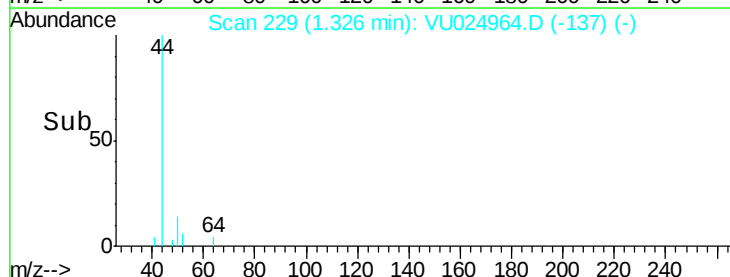
600

400

200

0

Time-->





#4

Vinyl Chloride

Concen: 0.884 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU024964.D

Acq: 27 Jun 2018 14:14

Instrument :

MSVOA_U

ClientSampleId :

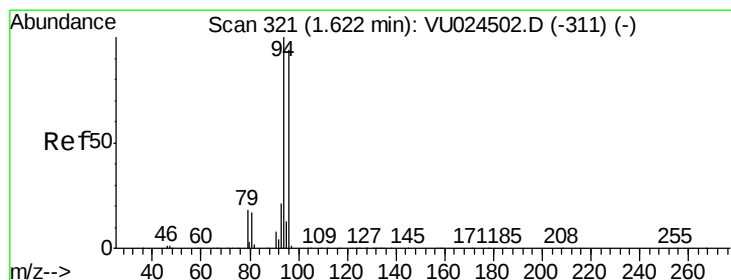
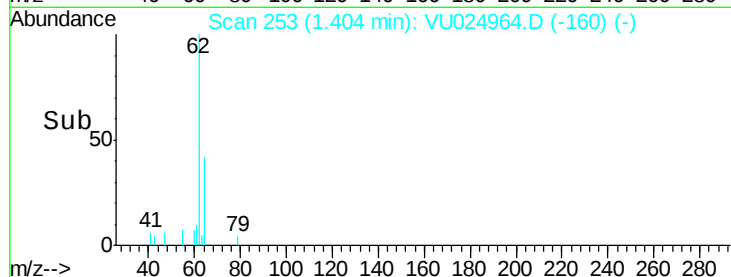
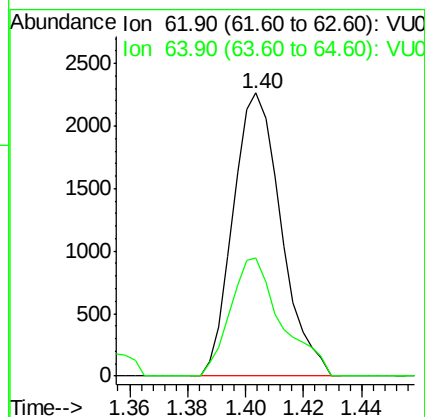
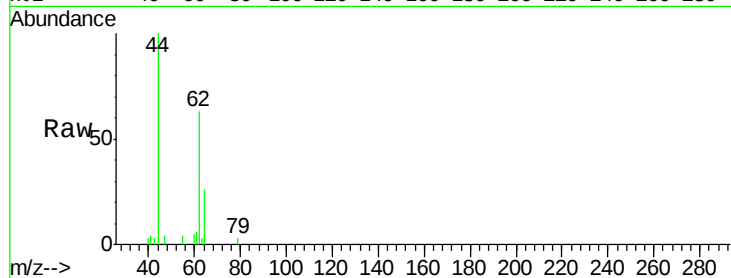
WP021SB474-29-31-180620MEDL

Tgt Ion: 62 Resp: 2605

Ion Ratio Lower Upper

62 100

64 41.7 24.8 37.2#



#5

Bromomethane

Concen: 0.473 ug/l

RT: 1.62 min Scan# 321

Delta R.T. 0.00 min

Lab File: VU024964.D

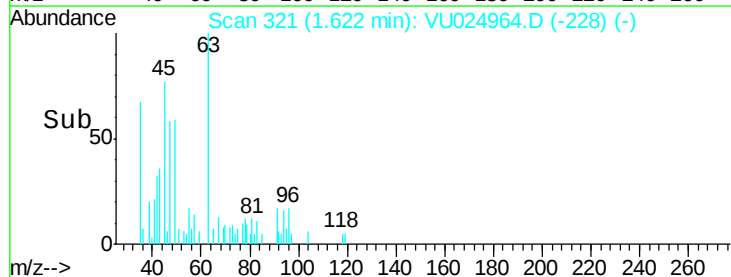
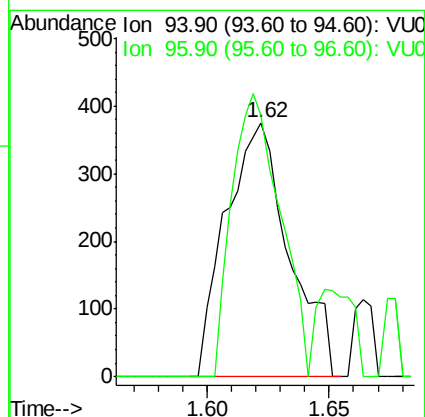
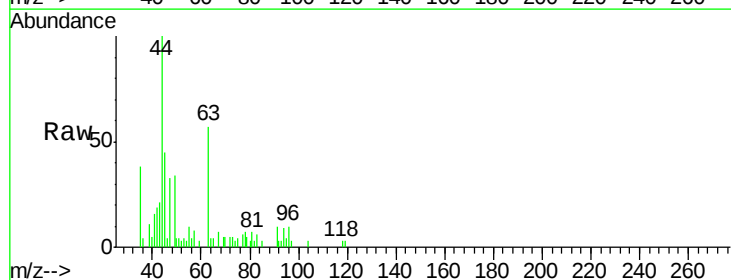
Acq: 27 Jun 2018 14:14

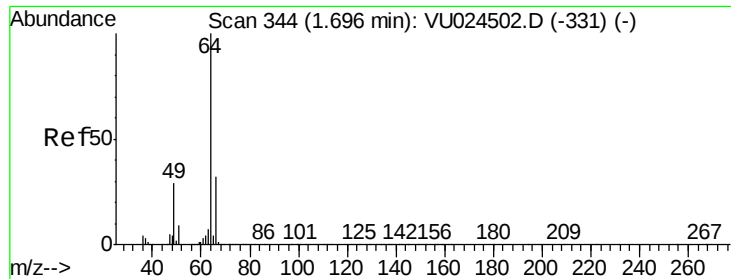
Tgt Ion: 94 Resp: 674

Ion Ratio Lower Upper

94 100

96 102.9 74.5 111.7





#6

Chloroethane

Concen: Below Cal

RT: 1.65 min Scan# 329

Delta R.T. -0.05 min

Lab File: VU024964.D

Acq: 27 Jun 2018 14:14

Instrument :

MSVOA_U

ClientSampleId :

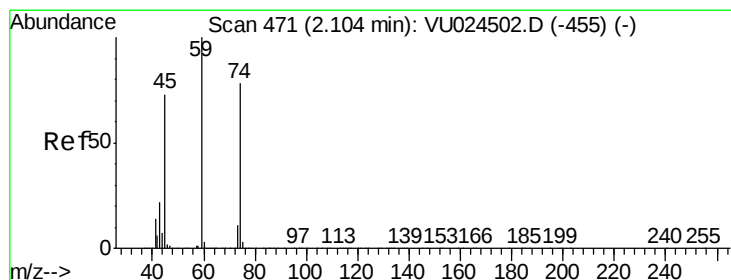
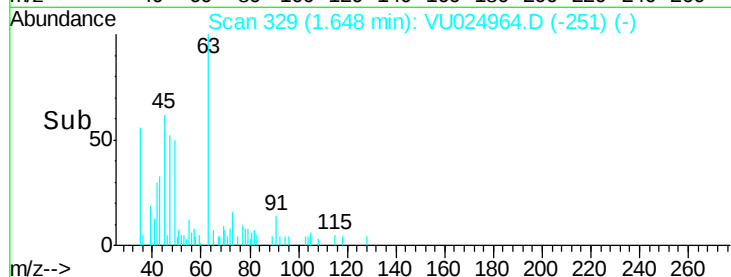
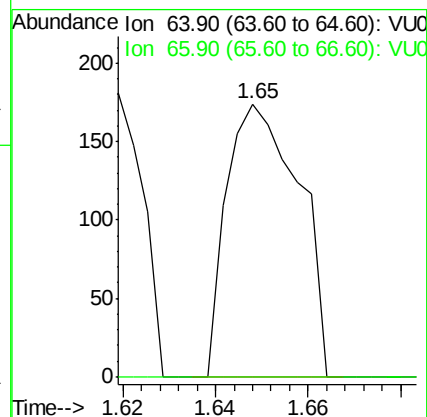
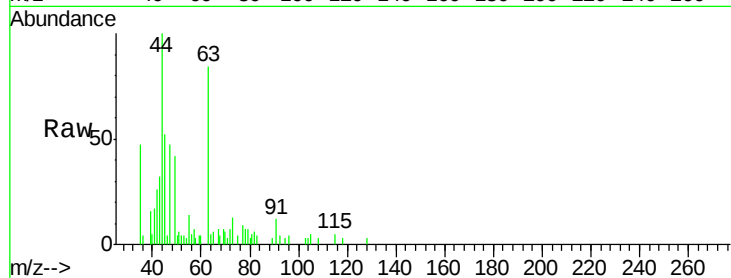
WP021SB474-29-31-180620MEDL

Tgt Ion: 64 Resp: 189

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



#8

Diethyl Ether

Concen: Below Cal

RT: 2.10 min Scan# 470

Delta R.T. -0.00 min

Lab File: VU024964.D

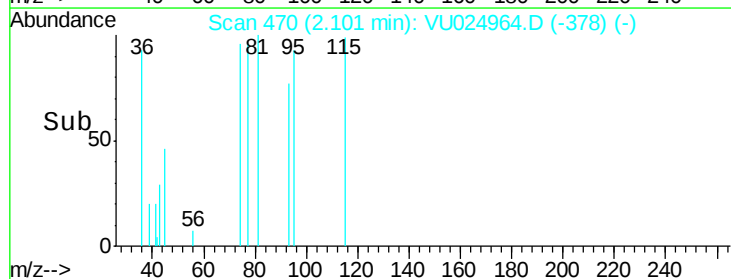
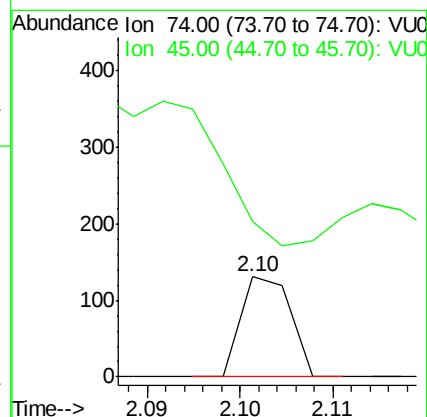
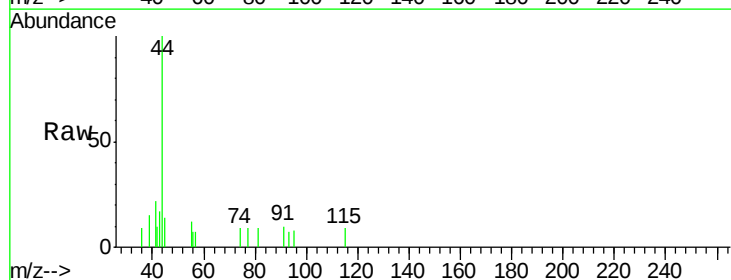
Acq: 27 Jun 2018 14:14

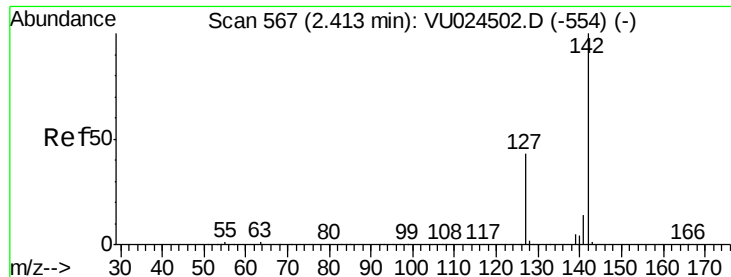
Tgt Ion: 74 Resp: 48

Ion Ratio Lower Upper

74 100

45 54.2 55.0 165.0#





#10

Methyl Iodide

Concen: 5.390 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU024964.D

Acq: 27 Jun 2018 14:14

Instrument :

MSVOA_U

ClientSampleId :

WP021SB474-29-31-180620MEDL

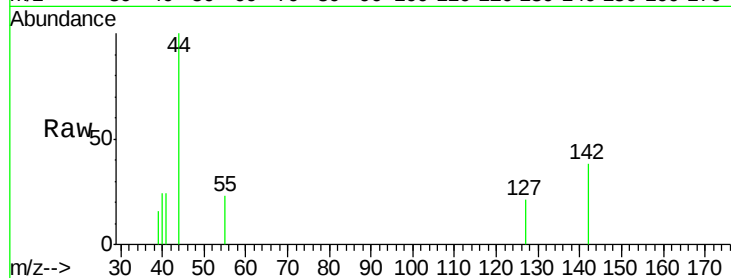
Tgt Ion:142 Resp: 267

Ion Ratio Lower Upper

142 100

127 18.0 35.6 53.4#

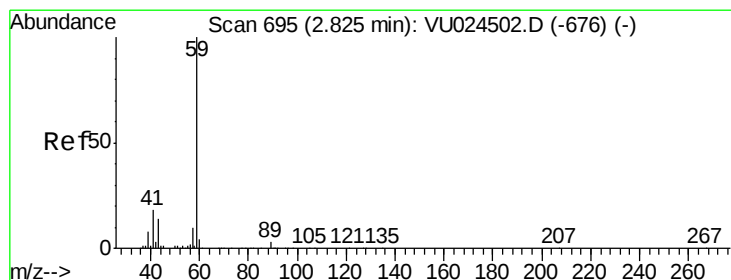
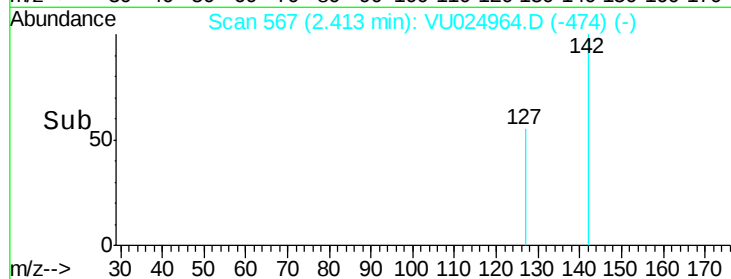
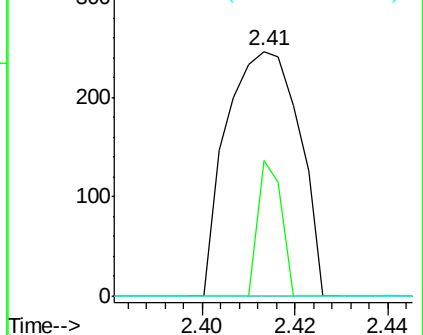
141 0.0 11.7 17.5#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 6.069 ug/l

RT: 2.84 min Scan# 699

Delta R.T. 0.01 min

Lab File: VU024964.D

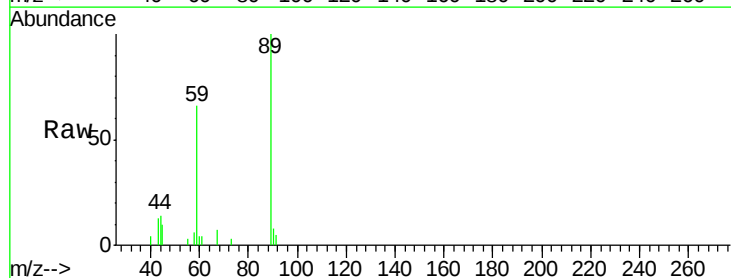
Acq: 27 Jun 2018 14:14

Tgt Ion: 59 Resp: 5385

Ion Ratio Lower Upper

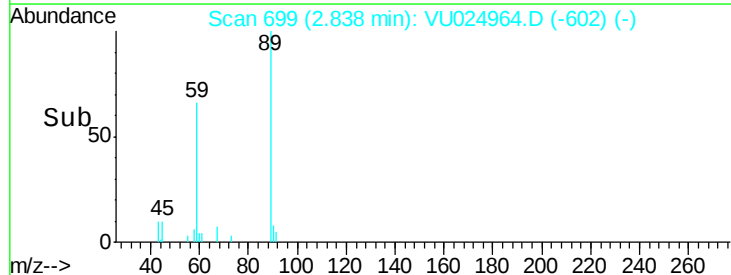
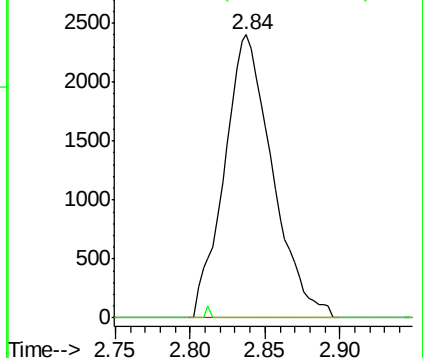
59 100

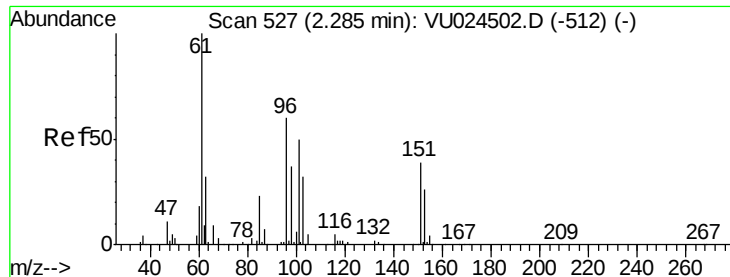
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#12

1,1-Dichloroethene

Concen: 0.681 ug/l

RT: 2.28 min Scan# 525

Delta R.T. -0.01 min

Lab File: VU024964.D

Acq: 27 Jun 2018 14:14

Instrument :

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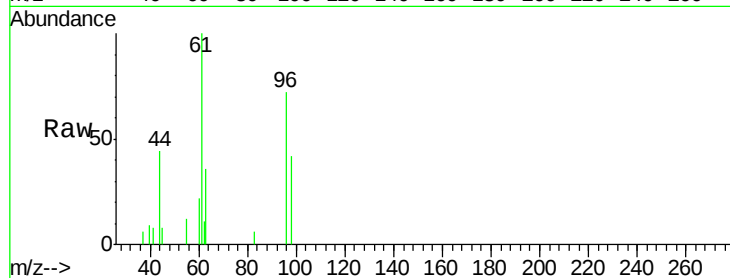
Tgt Ion: 96 Resp: 1732

Ion Ratio Lower Upper

96 100

61 138.8 141.7 212.5#

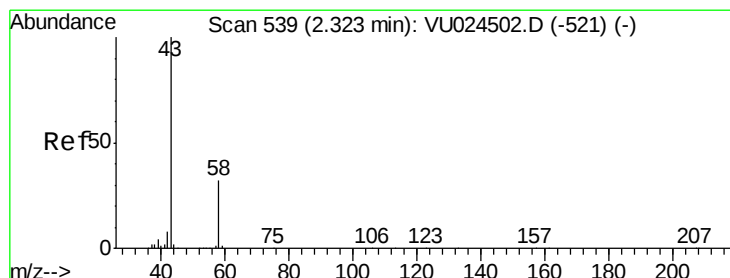
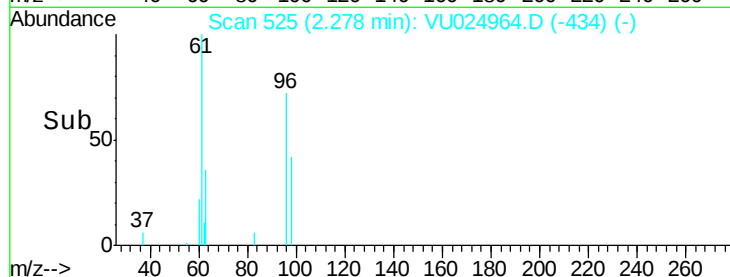
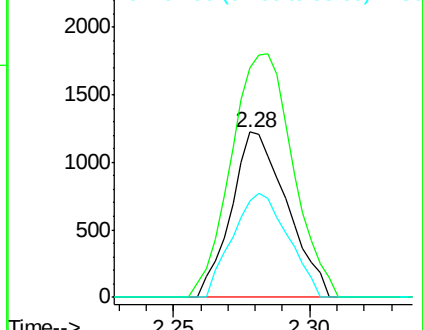
98 58.6 51.6 77.4



Abundance Ion 95.90 (95.60 to 96.60): VU024964.D (-434) (-)

Ion 60.90 (60.60 to 61.60): VU024964.D (-434) (-)

Ion 97.90 (97.60 to 98.60): VU024964.D (-434) (-)



#16

Acetone

Concen: 0.673 ug/l

RT: 2.33 min Scan# 542

Delta R.T. 0.01 min

Lab File: VU024964.D

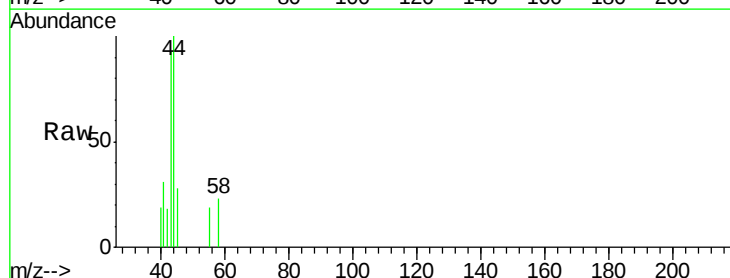
Acq: 27 Jun 2018 14:14

Tgt Ion: 43 Resp: 1319

Ion Ratio Lower Upper

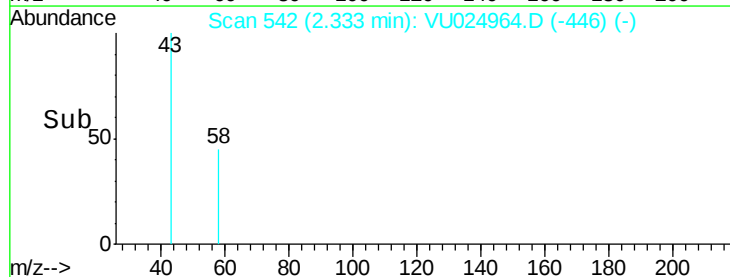
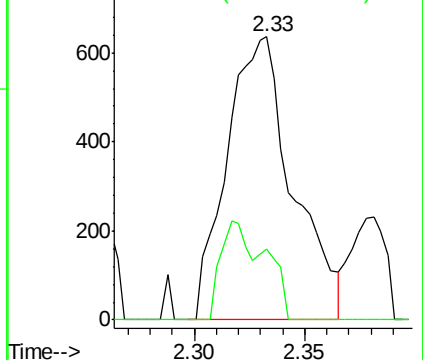
43 100

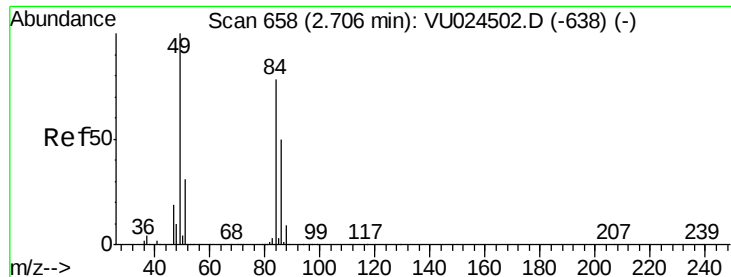
58 24.8 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU024964.D (-446) (-)

Ion 58.00 (57.70 to 58.70): VU024964.D (-446) (-)

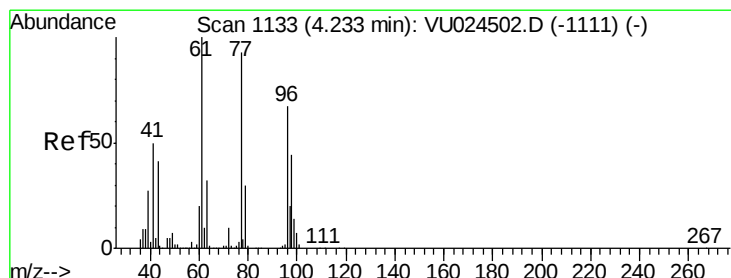
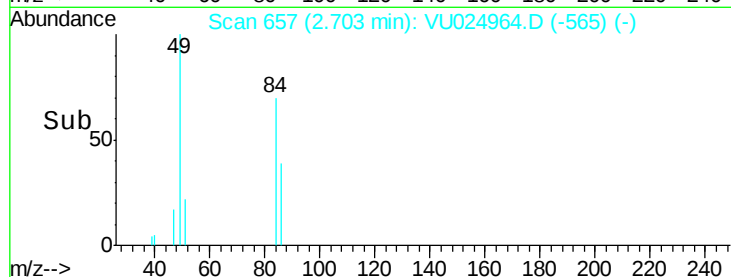
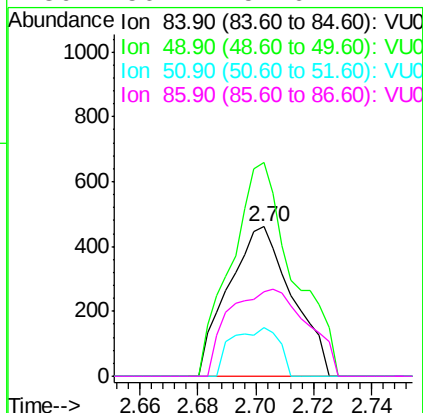
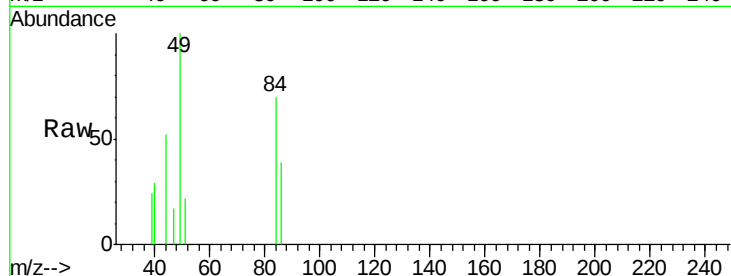




#20
Methylene Chloride
Concen: 0.229 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU024964.D
Acq: 27 Jun 2018 14:14

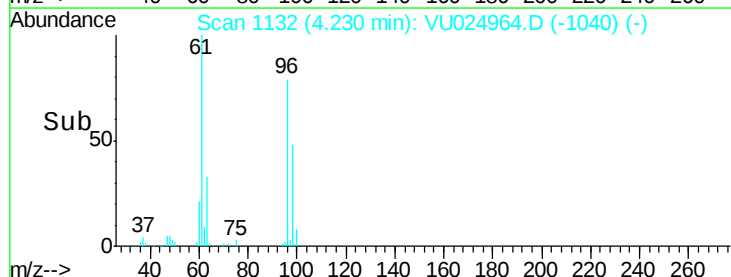
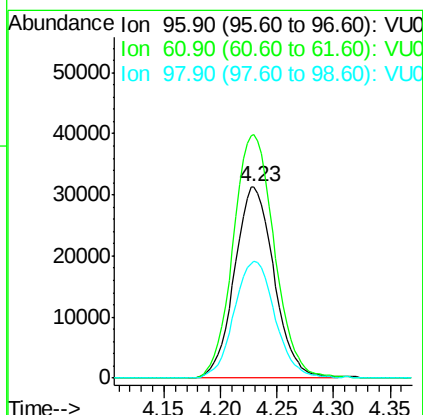
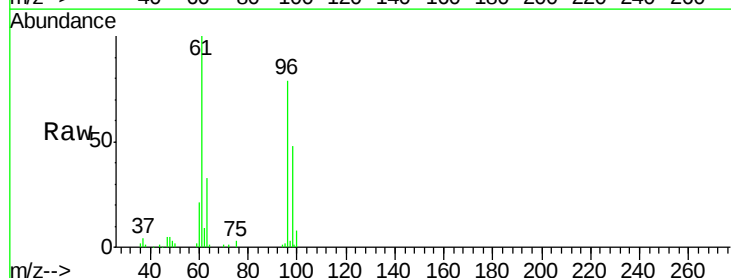
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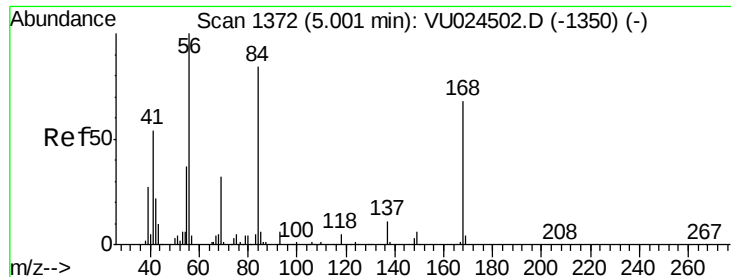
Tgt Ion:	84	Resp:	704
Ion	Ratio	Lower	Upper
84	100		
49	143.0	103.8	155.8
51	32.1	32.0	48.0
86	56.4	51.6	77.4



#27
cis-1,2-Dichloroethene
Concen: 23.670 ug/l
RT: 4.23 min Scan# 1132
Delta R.T. -0.00 min
Lab File: VU024964.D
Acq: 27 Jun 2018 14:14

Tgt Ion:	96	Resp:	76270
Ion	Ratio	Lower	Upper
96	100		
61	132.6	0.0	306.6
98	63.2	0.0	128.8

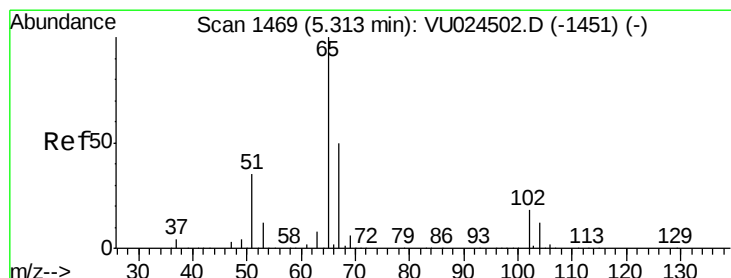
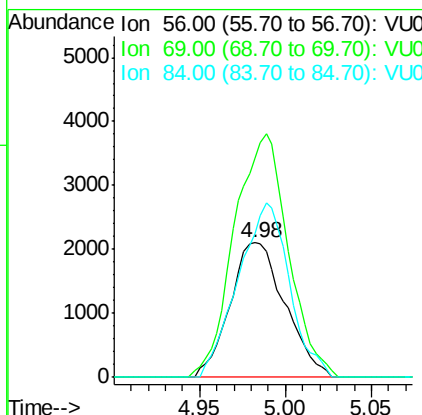
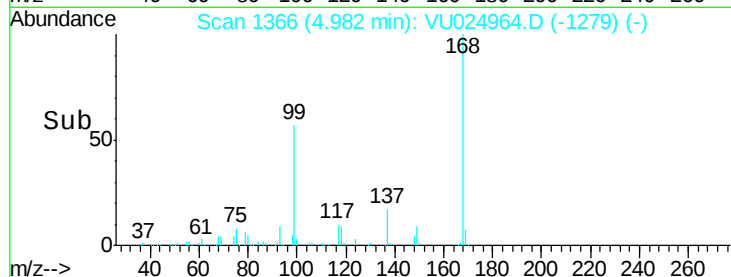
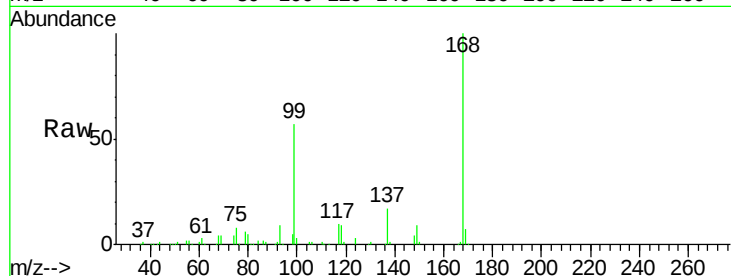




#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1366
Delta R.T. -0.02 min
Lab File: VU024964.D
Acq: 27 Jun 2018 14:14

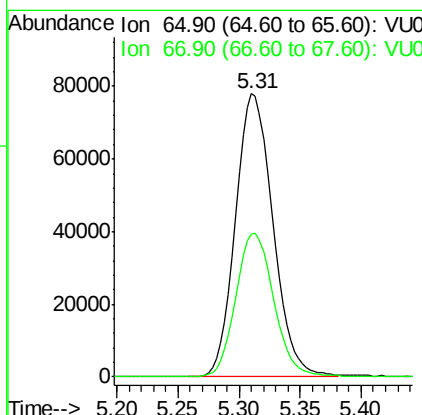
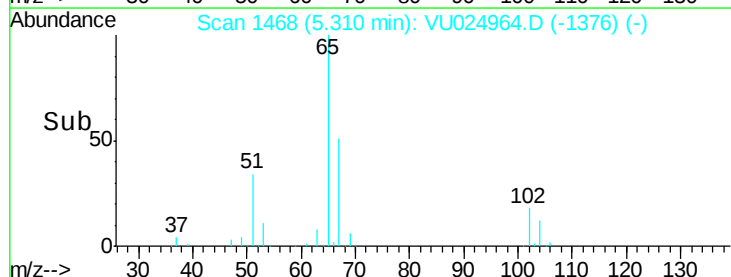
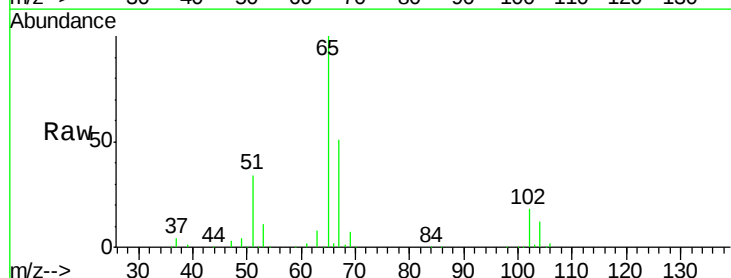
Instrument :
MSVOA_U
ClientSampleId :
WP021SB474-29-31-180620MEDL

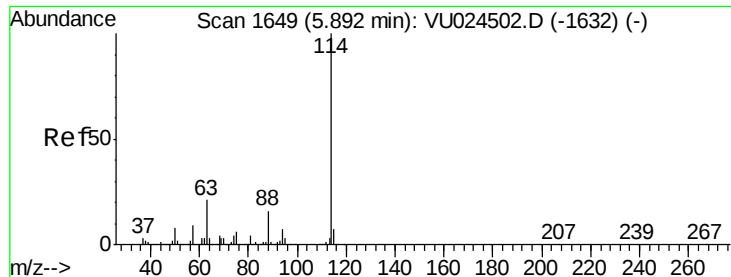
Tgt Ion: 56 Resp: 4659
Ion Ratio Lower Upper
56 100
69 163.6 24.8 37.2#
84 107.1 65.2 97.8#



#33
1,2-Dichloroethane-d4
Concen: 45.627 ug/l
RT: 5.31 min Scan# 1468
Delta R.T. -0.00 min
Lab File: VU024964.D
Acq: 27 Jun 2018 14:14

Tgt Ion: 65 Resp: 166469
Ion Ratio Lower Upper
65 100
67 51.3 0.0 107.0

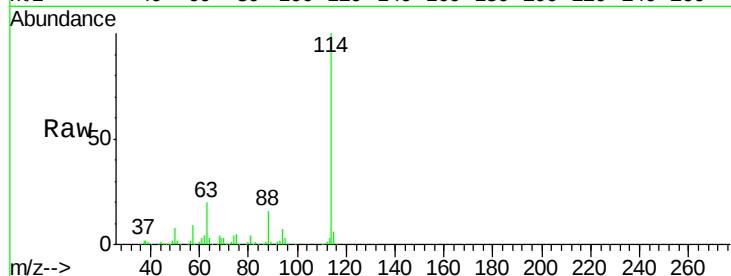




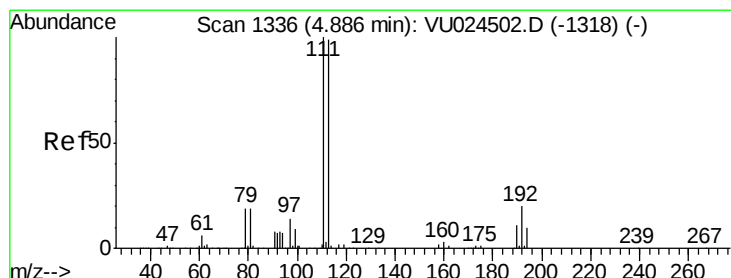
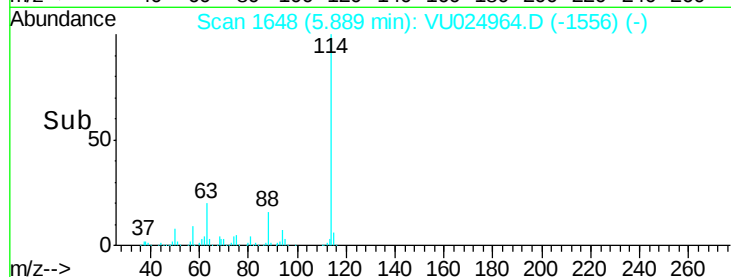
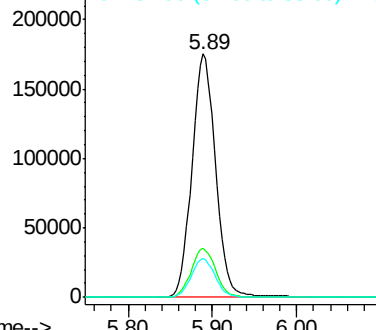
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.89 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VU024964.D
Acq: 27 Jun 2018 14:14

Instrument :
MSVOA_U
ClientSampleId :
WP021SB474-29-31-180620MEDL

Tgt Ion:	114	Resp:	341721
Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	45.4
88	15.8	0.0	31.0

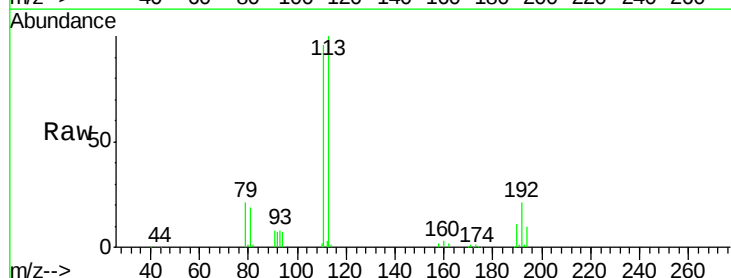


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VU0
Ion 87.90 (87.60 to 88.60): VU0

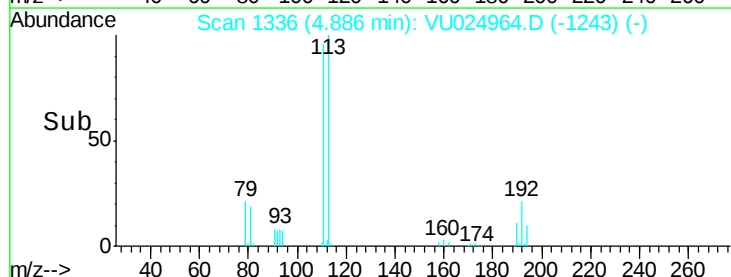
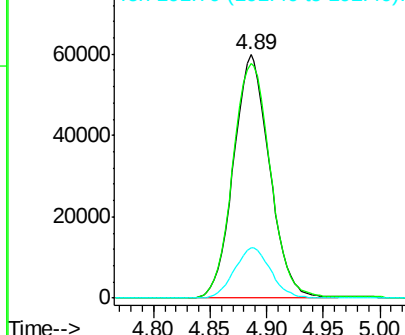


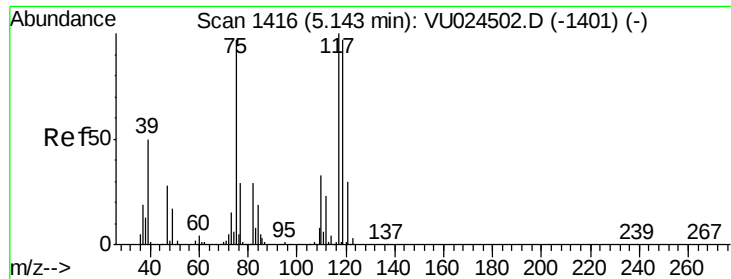
#35
Dibromofluoromethane
Concen: 46.757 ug/l
RT: 4.89 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU024964.D
Acq: 27 Jun 2018 14:14

Tgt Ion:	113	Resp:	132605
Ion	Ratio	Lower	Upper
113	100		
111	100.9	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

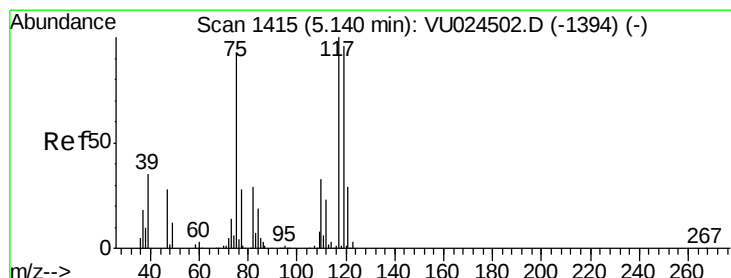
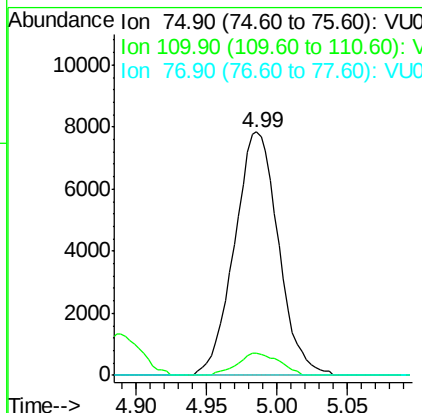
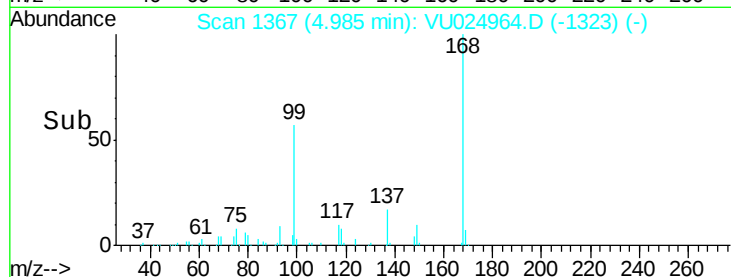
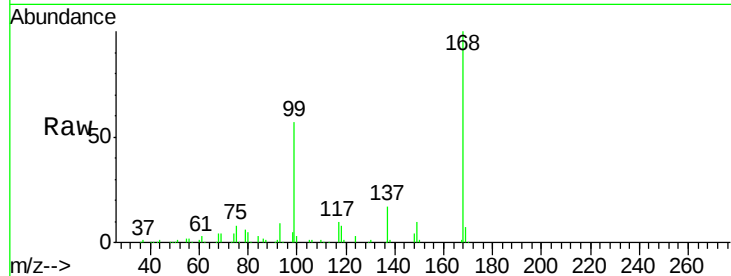




#36
 1,1-Dichloropropene
 Concen: 4.263 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.16 min
 Lab File: VU024964.D
 Acq: 27 Jun 2018 14:14

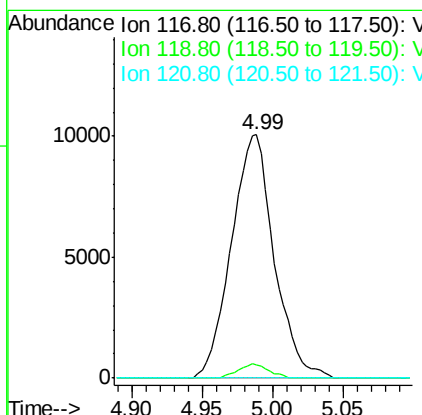
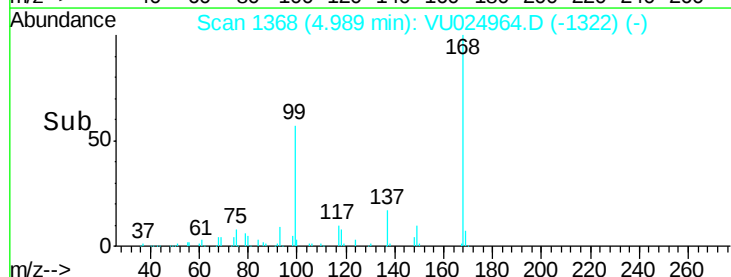
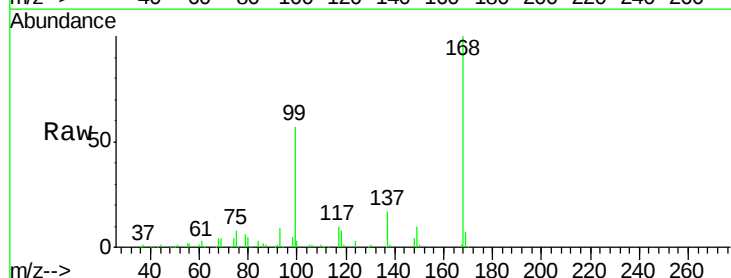
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB474-29-31-180620MEDL

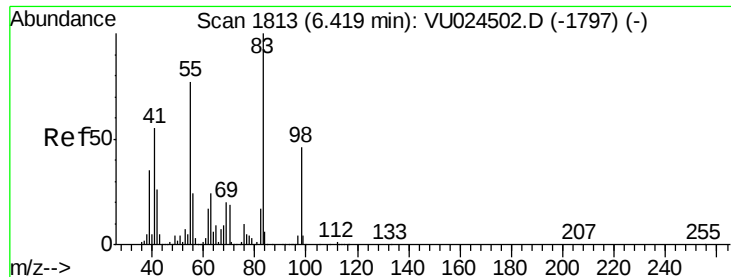
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	17.0	50.9#
77	0.0	24.2	36.4#



#38
 Carbon Tetrachloride
 Concen: 4.833 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU024964.D
 Acq: 27 Jun 2018 14:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.6	76.1	114.1#
121	0.0	23.7	35.5#

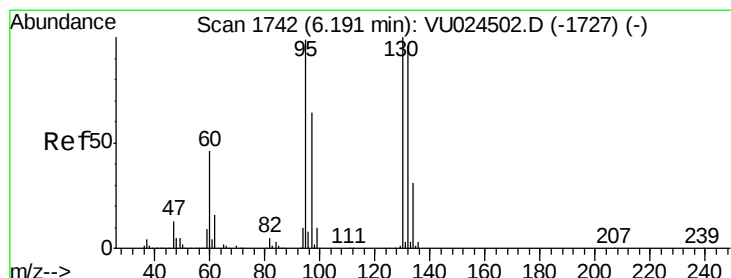
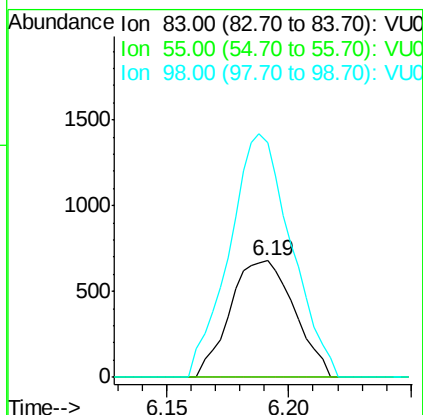
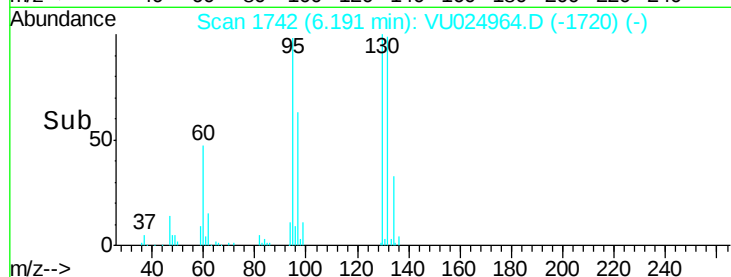
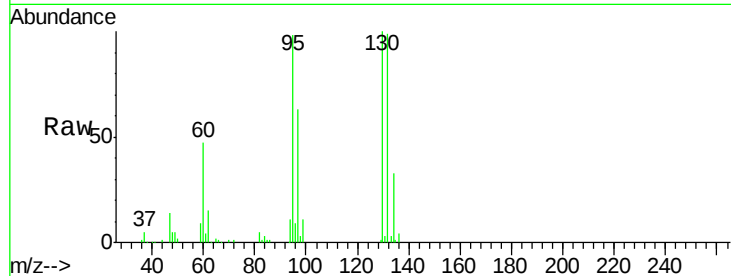




#39
Methylcyclohexane
Concen: 0.247 ug/l
RT: 6.19 min Scan# 1742
Delta R.T. -0.23 min
Lab File: VU024964.D
Acq: 27 Jun 2018 14:14

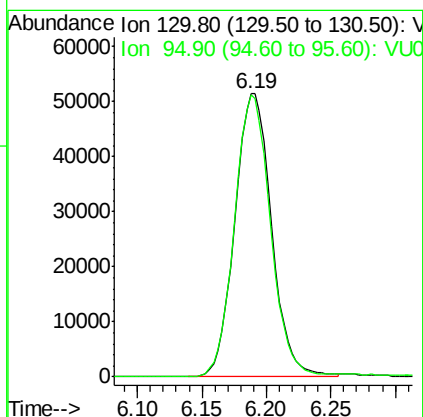
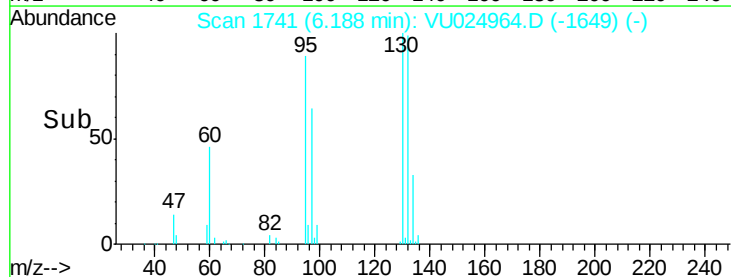
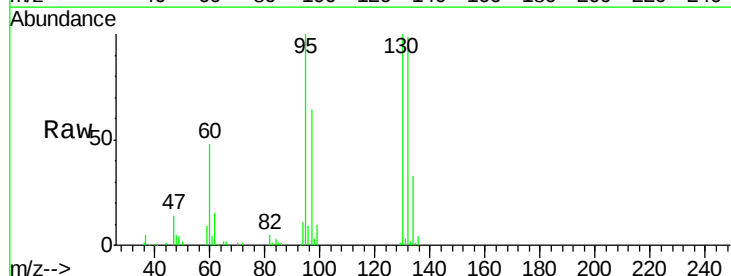
Instrument :
MSVOA_U
ClientSampleId :
WP021SB474-29-31-180620MEDL

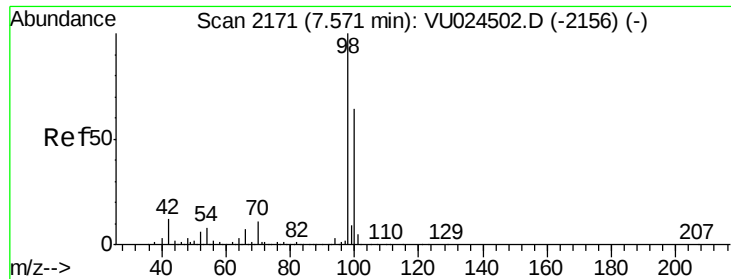
Tgt Ion: 83 Resp: 1240
Ion Ratio Lower Upper
83 100
55 0.0 65.8 98.6#
98 201.2 36.7 55.1#



#44
Trichloroethene
Concen: 31.326 ug/l
RT: 6.19 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VU024964.D
Acq: 27 Jun 2018 14:14

Tgt Ion: 130 Resp: 102007
Ion Ratio Lower Upper
130 100
95 99.6 0.0 202.4

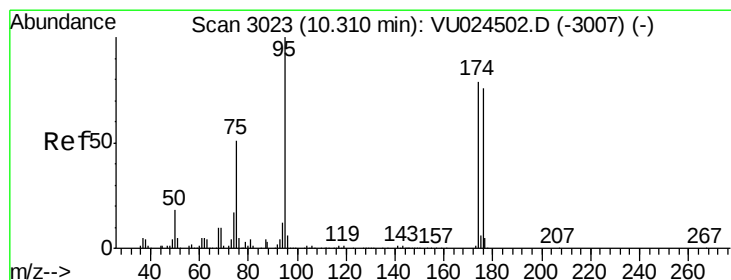
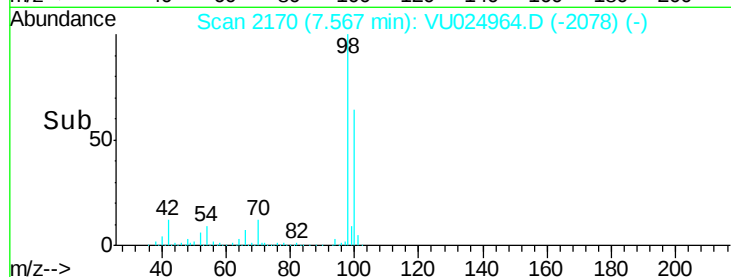
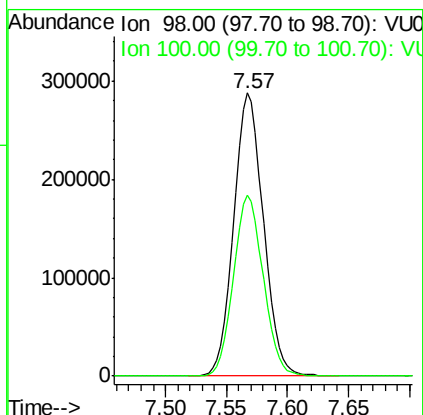
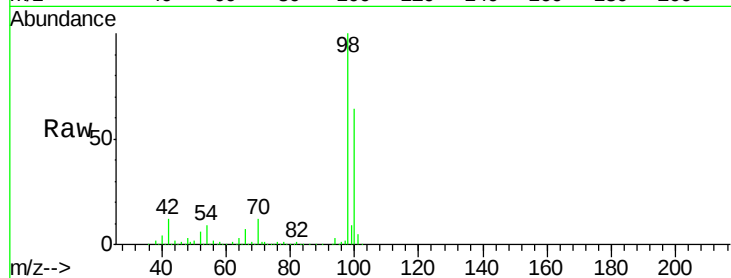




#50
Toluene-d8
Concen: 47.059 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU024964.D
Acq: 27 Jun 2018 14:14

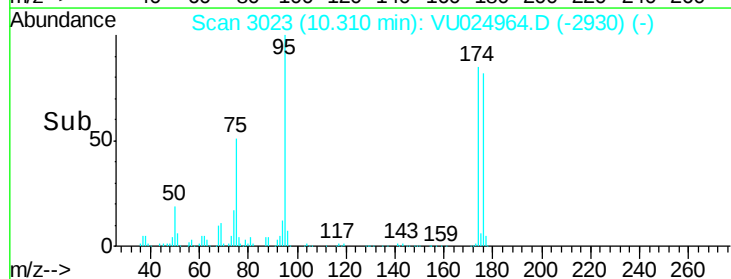
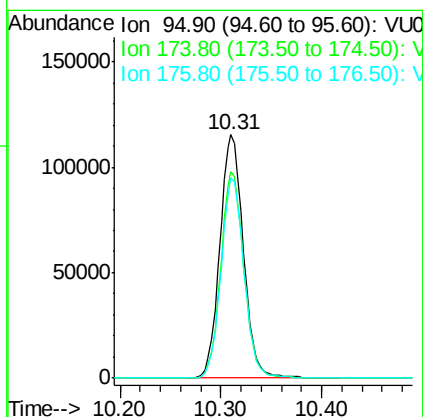
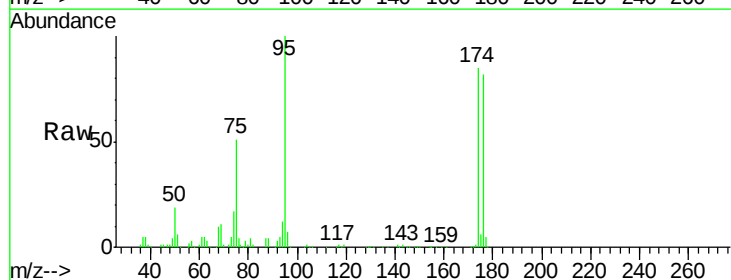
Instrument :
MSVOA_U
ClientSampleId :
WP021SB474-29-31-180620MEDL

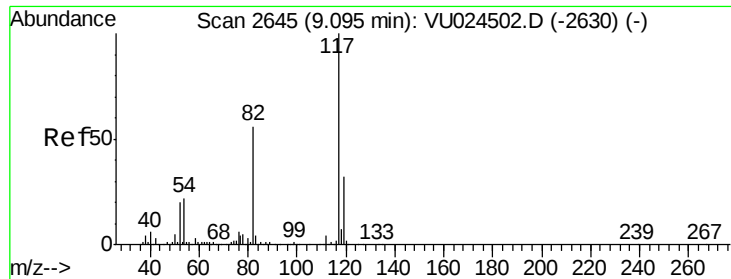
Tgt Ion: 98 Resp: 486809
Ion Ratio Lower Upper
98 100
100 64.1 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 45.702 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU024964.D
Acq: 27 Jun 2018 14:14

Tgt Ion: 95 Resp: 187710
Ion Ratio Lower Upper
95 100
174 83.6 0.0 165.8
176 80.9 0.0 159.4

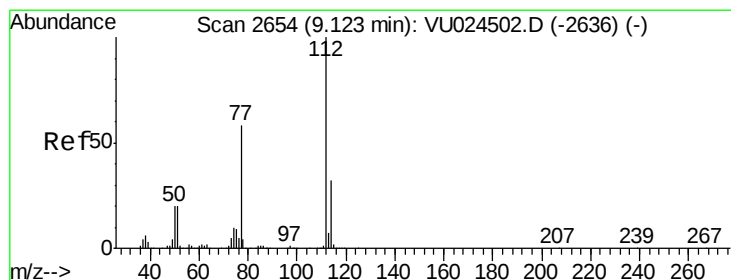
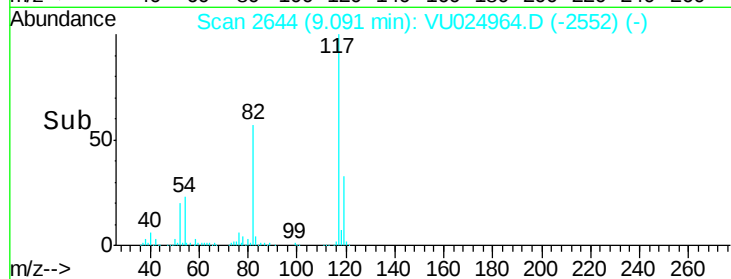
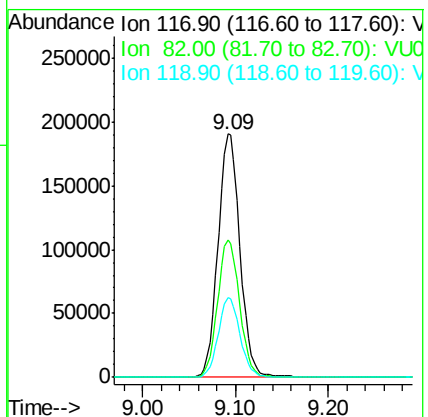
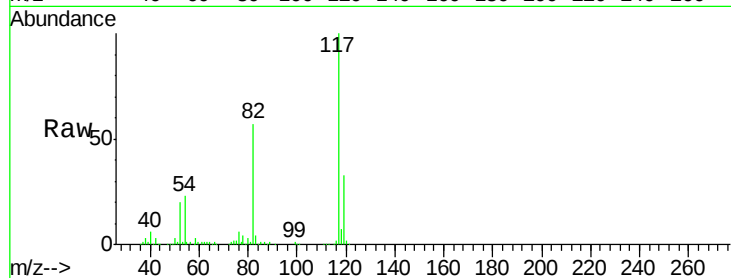




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024964.D
Acq: 27 Jun 2018 14:14

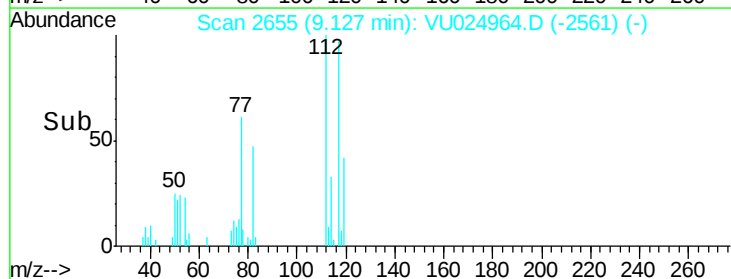
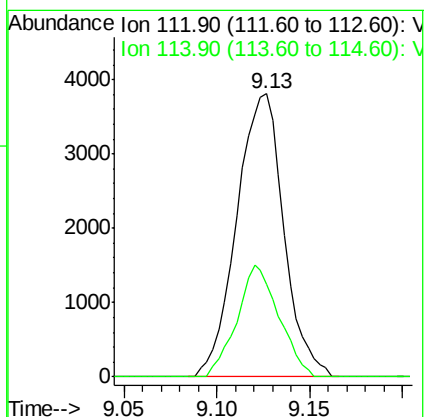
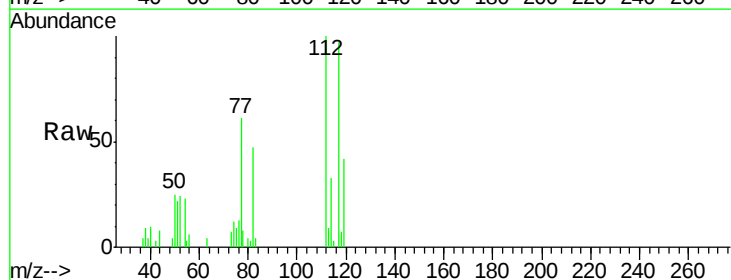
Instrument :
MSVOA_U
ClientSampleId :
WP021SB474-29-31-180620MEDL

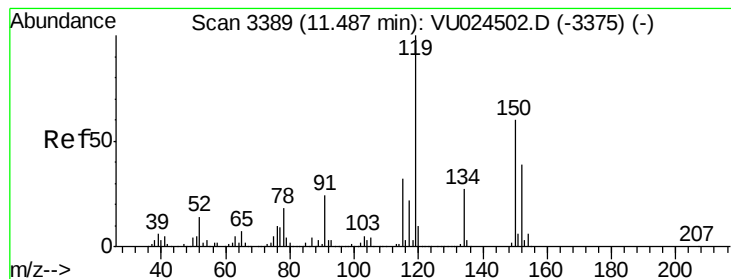
Tgt Ion:117 Resp: 312199
Ion Ratio Lower Upper
117 100
82 56.5 44.3 66.5
119 32.7 25.4 38.2



#65
Chlorobenzene
Concen: 0.840 ug/l
RT: 9.13 min Scan# 2655
Delta R.T. 0.00 min
Lab File: VU024964.D
Acq: 27 Jun 2018 14:14

Tgt Ion:112 Resp: 6703
Ion Ratio Lower Upper
112 100
114 32.8 25.6 38.4

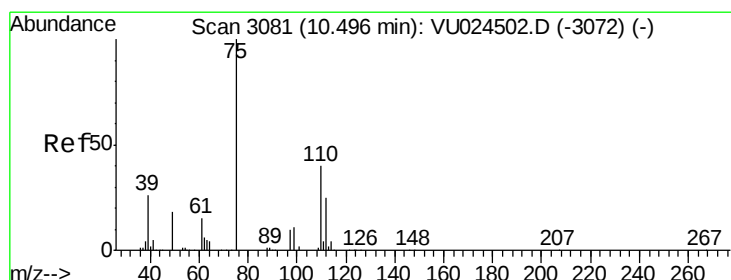
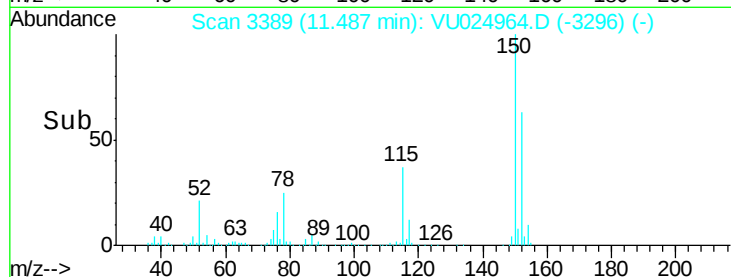
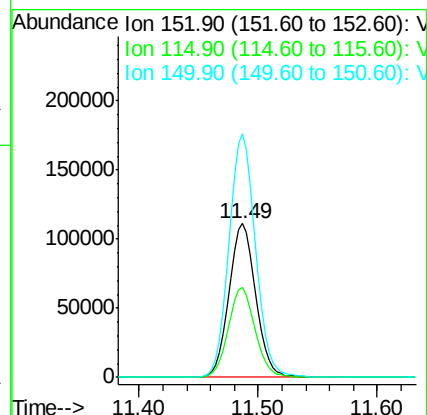
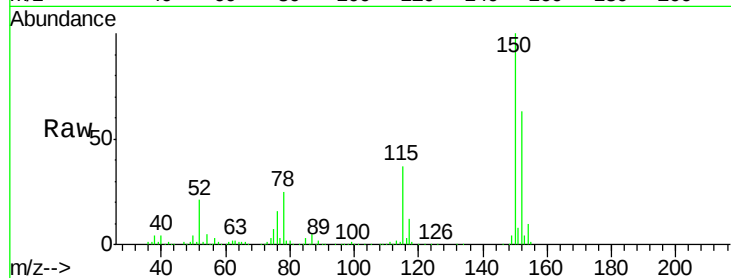




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.49 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VU024964.D
 Acq: 27 Jun 2018 14:14

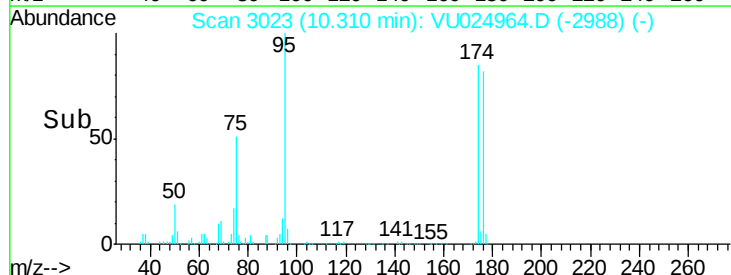
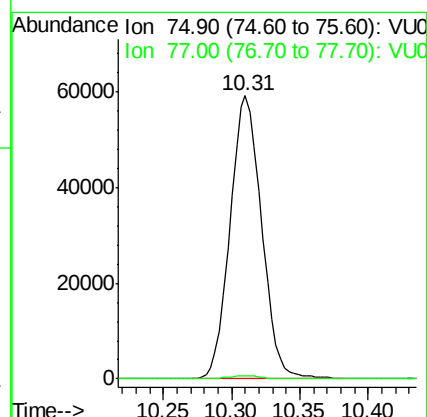
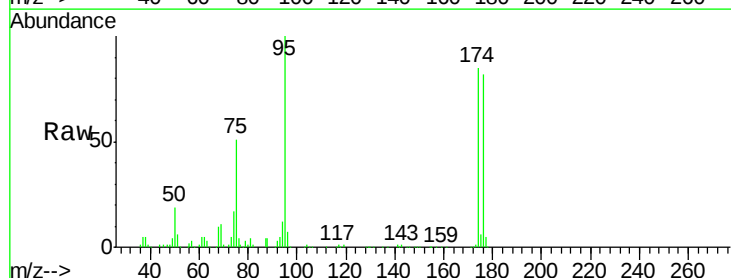
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB474-29-31-180620MEDL

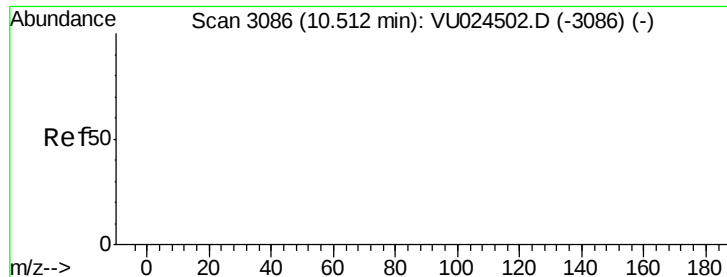
Tgt Ion:152 Resp: 173488
 Ion Ratio Lower Upper
 152 100
 115 58.3 43.0 129.0
 150 156.7 0.0 354.0



#76
 1,2,3-Trichloropropane
 Concen: 24.908 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.19 min
 Lab File: VU024964.D
 Acq: 27 Jun 2018 14:14

Tgt Ion: 75 Resp: 95138
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.9 62.7#





#81

trans-1,4-Dichloro-2-butene

Concen: 57.648 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024964.D

Acq: 27 Jun 2018 14:14

Instrument :

MSVOA_U

ClientSampleId :

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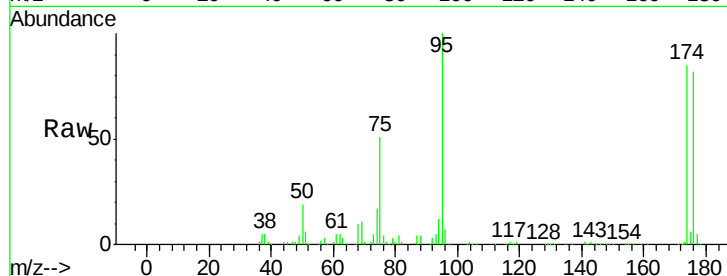
Tgt Ion: 75 Resp: 95138

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

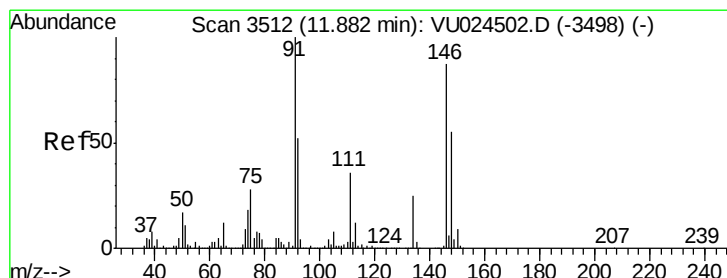
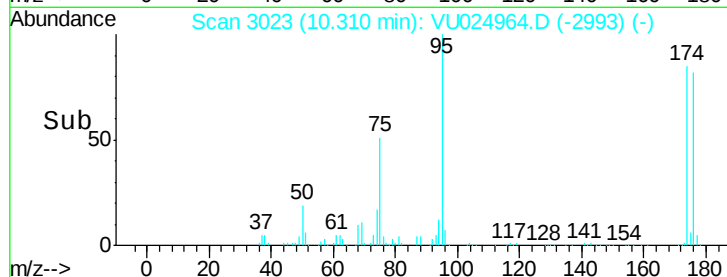
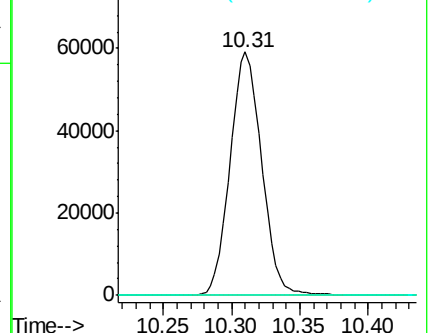
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU024502.D (-3086) (-)

Ion 53.00 (52.70 to 53.70): VU024502.D (-3086) (-)

Ion 88.90 (88.60 to 89.60): VU024502.D (-3086) (-)



#91

1,2-Dichlorobenzene

Concen: 0.337 ug/l

RT: 11.89 min Scan# 3513

Delta R.T. 0.00 min

Lab File: VU024964.D

Acq: 27 Jun 2018 14:14

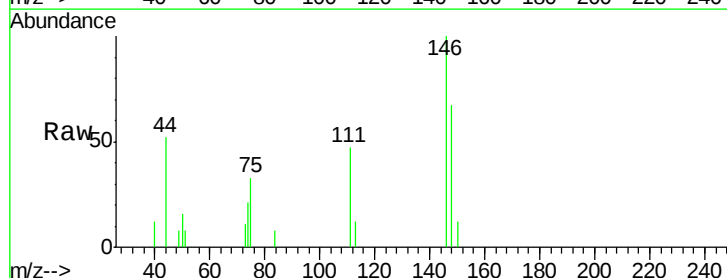
Tgt Ion: 146 Resp: 2106

Ion Ratio Lower Upper

146 100

111 43.9 20.5 61.6

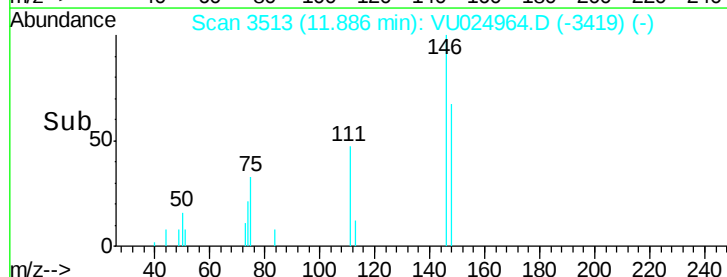
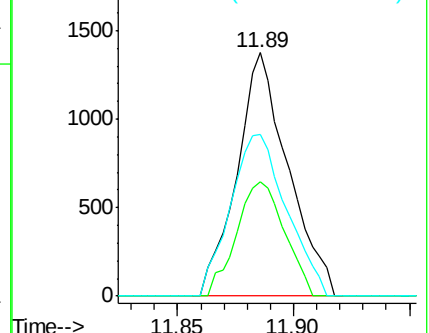
148 72.6 31.9 95.7

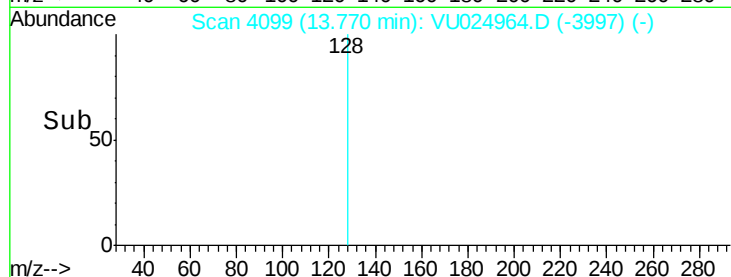
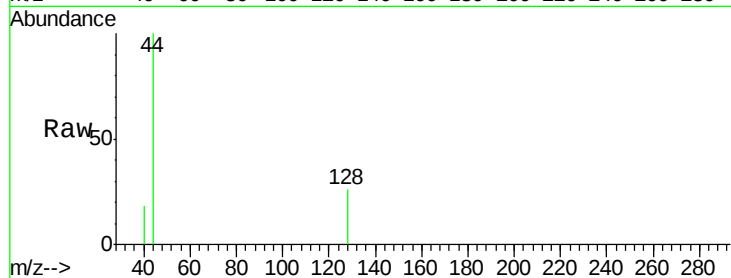
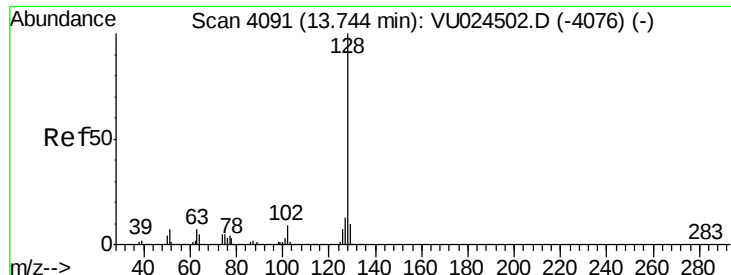


Abundance Ion 145.90 (145.60 to 146.60): VU024502.D (-3498) (-)

Ion 110.90 (110.60 to 111.60): VU024502.D (-3498) (-)

Ion 147.90 (147.60 to 148.60): VU024502.D (-3498) (-)





#95

Naphthalene

Concen: 0.700 ug/l

RT: 13.77 min Scan# 4099

Delta R.T. 0.03 min

Lab File: VU024964.D

Acq: 27 Jun 2018 14:14

Instrument :

MSVOA_U

ClientSampleId :

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Tgt Ion:128 Resp: 268

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 12.8#

