

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062718\
 Data File : VU024933.D
 Acq On : 26 Jun 2018 20:43
 Operator : MD/SY
 Sample : J3669-08ME
 Misc : 5.92g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB484-37-39-180620ME

Quant Time: Jun 27 04:15:34 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

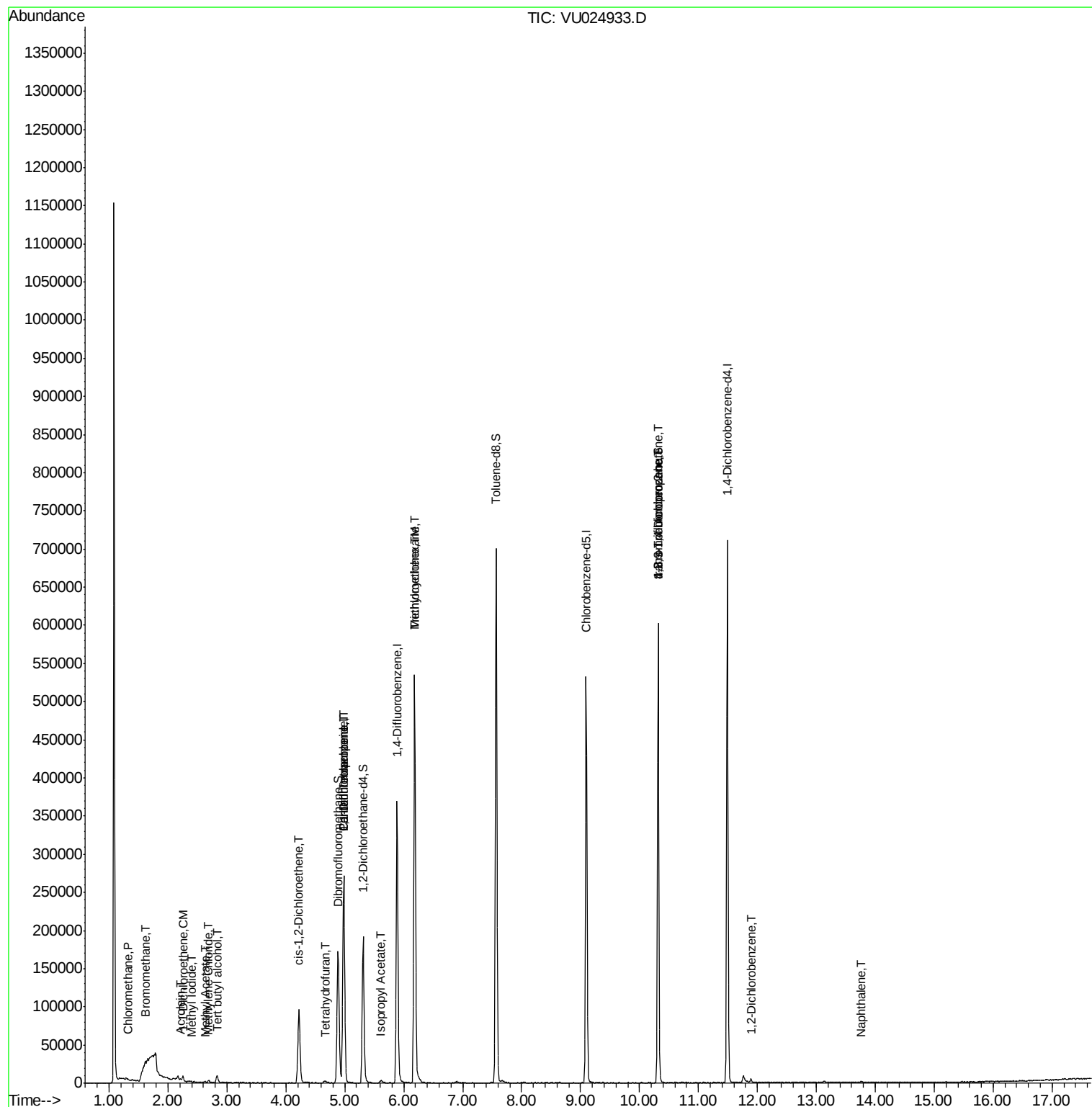
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	216705	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	331762	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	319354	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	183452	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	164596	46.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.06%	
35) Dibromofluoromethane	4.89	113	127496	46.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.62%	
50) Toluene-d8	7.57	98	477603	47.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.10%	
62) 4-Bromofluorobenzene	10.32	95	198337	49.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.48%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.32	50	1115	0.402	ug/l	99
5) Bromomethane	1.61	94	1105	0.800	ug/l	92
6) Chloroethane	1.69	64	30	Below Cal	#	1
8) Diethyl Ether	1.89	74	116	Below Cal		90
10) Methyl Iodide	2.40	142	822	5.610	ug/l #	85
11) Tert butyl alcohol	2.83	59	5170	6.009	ug/l #	76
12) 1,1-Dichloroethene	2.26	96	2146	0.870	ug/l	88
13) Acrolein	2.20	56	184	0.407	ug/l #	18
18) Methyl Acetate	2.62	43	909	0.223	ug/l	91
20) Methylene Chloride	2.69	84	1417	0.475	ug/l #	91
27) cis-1,2-Dichloroethene	4.22	96	55541	17.776	ug/l	88
29) Tetrahydrofuran	4.66	42	1876	1.186	ug/l #	48
31) Cyclohexane	4.98	56	4324	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	16485	4.229	ug/l #	51
38) Carbon Tetrachloride	4.98	117	20982	4.894	ug/l #	15
39) Methylcyclohexane	6.19	83	2115	0.435	ug/l #	1
43) Isopropyl Acetate	5.61	43	1927	0.262	ug/l #	62
44) Trichloroethene	6.18	130	193293	61.141	ug/l	97
76) 1,2,3-Trichloropropane	10.32	75	102673	25.421	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.32	75	102673	58.834	ug/l #	100
91) 1,2-Dichlorobenzene	11.89	146	1942	0.294	ug/l	93
95) Naphthalene	13.76	128	2620	0.871	ug/l #	79

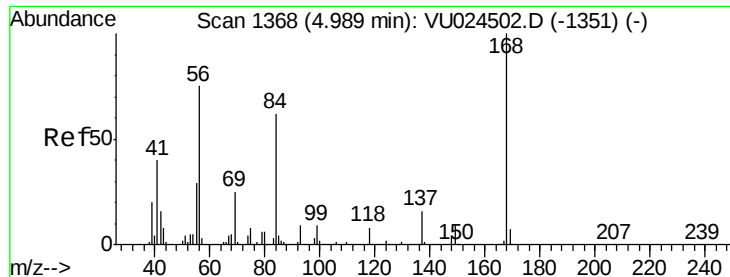
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU024933.D

Acq: 26 Jun 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

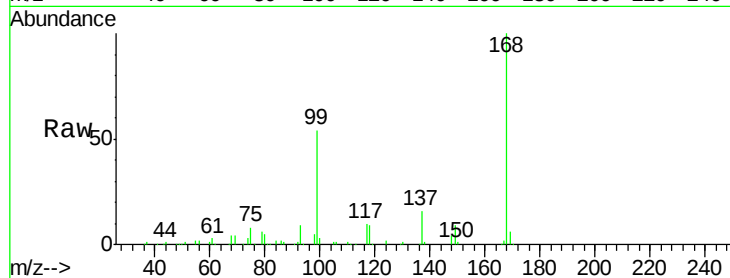
WP021SB484-37-39-180620ME

Tgt Ion:168 Resp: 216705

Ion Ratio Lower Upper

168 100

99 53.6 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

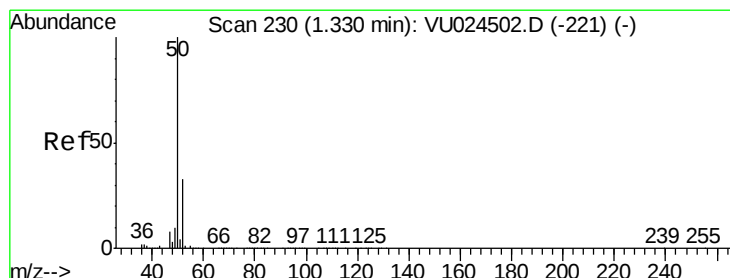
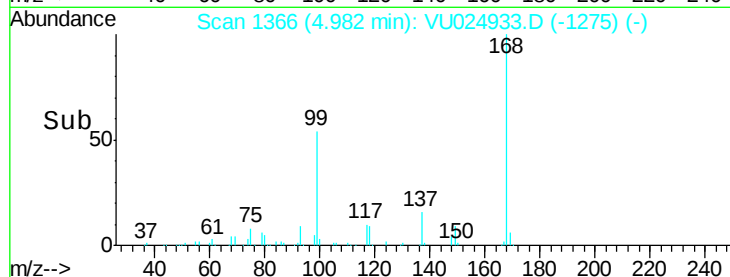
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.402 ug/l

RT: 1.32 min Scan# 228

Delta R.T. -0.01 min

Lab File: VU024933.D

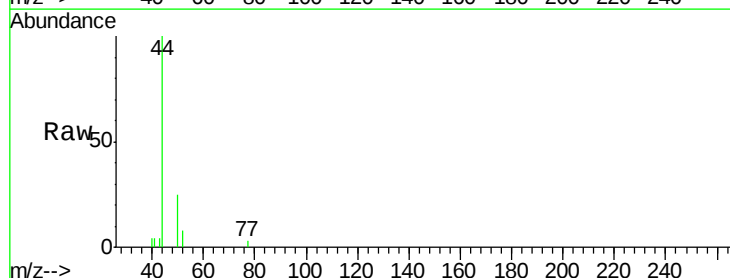
Acq: 26 Jun 2018 20:43

Tgt Ion: 50 Resp: 1115

Ion Ratio Lower Upper

50 100

52 32.4 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

1000

800

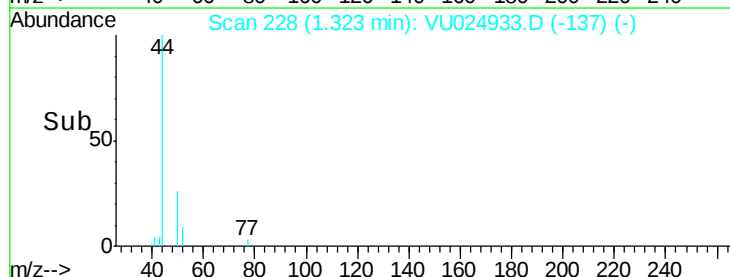
600

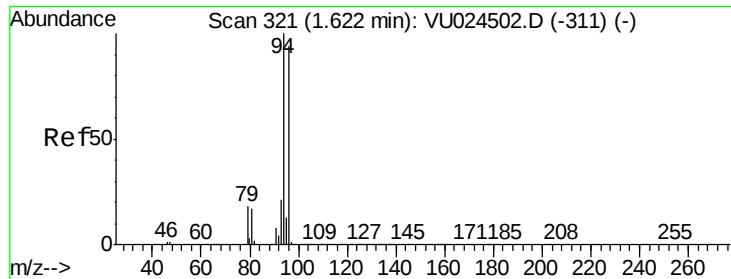
400

200

0

Time-->





#5

Bromomethane

Concen: 0.800 ug/l

RT: 1.61 min Scan# 316

Delta R.T. -0.02 min

Lab File: VU024933.D

Acq: 26 Jun 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

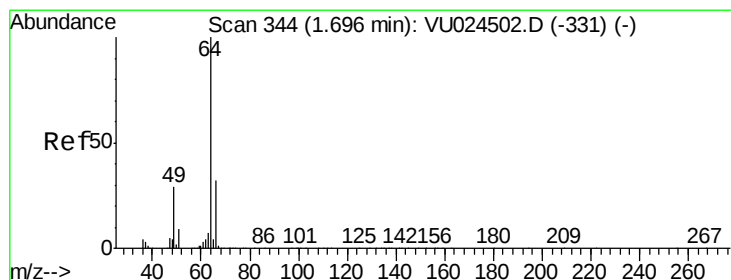
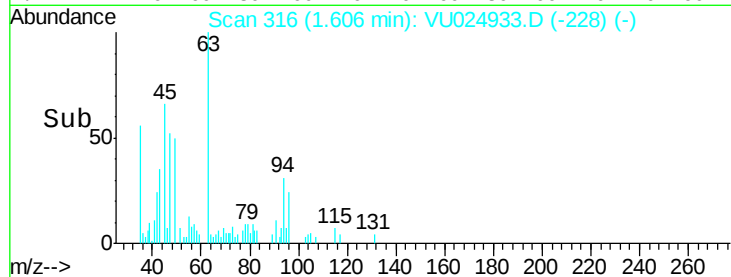
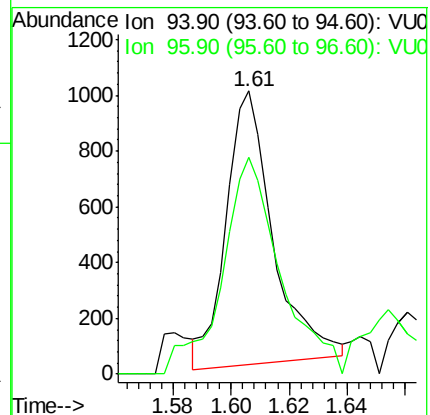
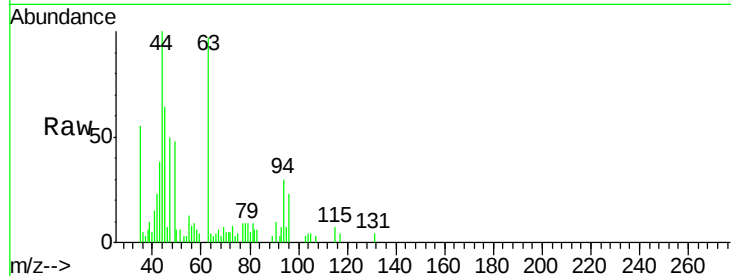
WP021SB484-37-39-180620ME

Tgt Ion: 94 Resp: 1105

Ion Ratio Lower Upper

94 100

96 85.6 74.5 111.7



#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 343

Delta R.T. -0.00 min

Lab File: VU024933.D

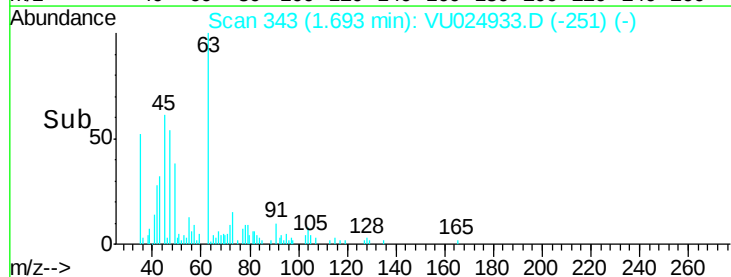
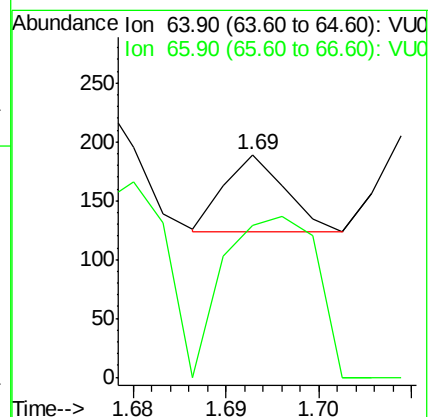
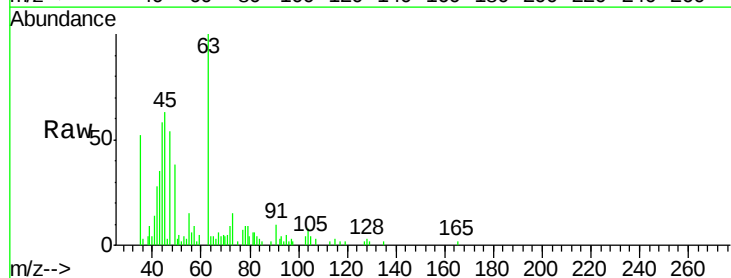
Acq: 26 Jun 2018 20:43

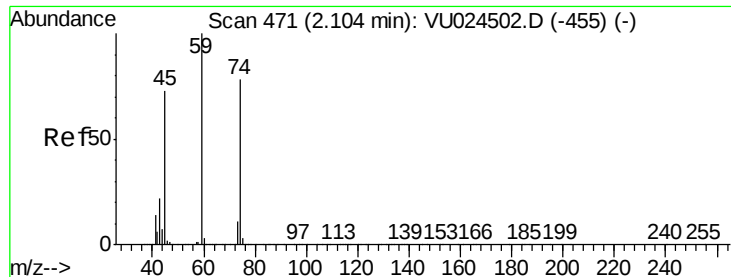
Tgt Ion: 64 Resp: 30

Ion Ratio Lower Upper

64 100

66 198.5 25.5 38.3#





#8

Diethyl Ether

Concen: Below Cal

RT: 1.89 min Scan# 404

Delta R.T. -0.22 min

Lab File: VU024933.D

Acq: 26 Jun 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

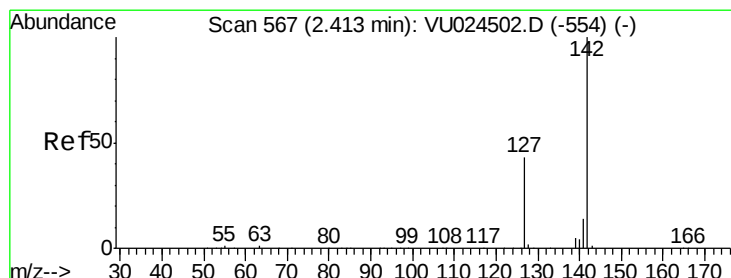
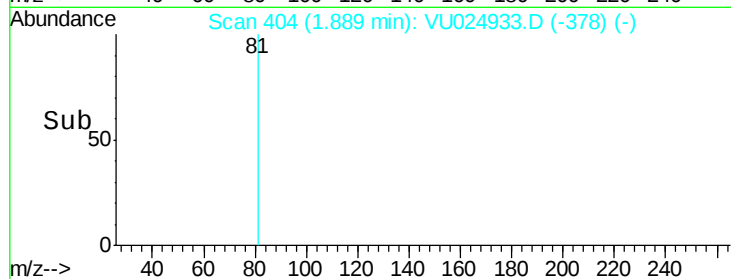
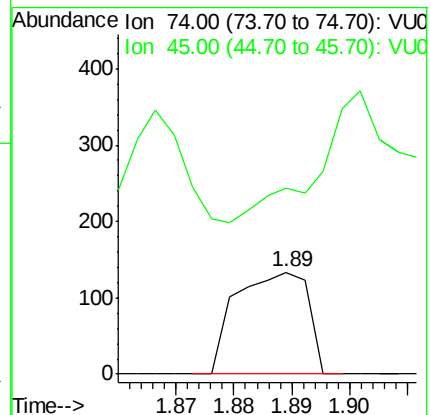
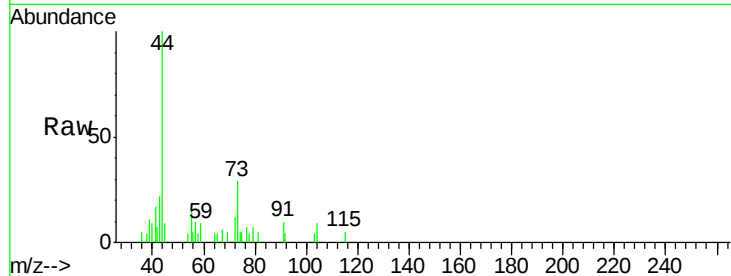
WP021SB484-37-39-180620ME

Tgt Ion: 74 Resp: 116

Ion Ratio Lower Upper

74 100

45 120.7 55.0 165.0



#10

Methyl Iodide

Concen: 5.610 ug/l

RT: 2.40 min Scan# 562

Delta R.T. -0.02 min

Lab File: VU024933.D

Acq: 26 Jun 2018 20:43

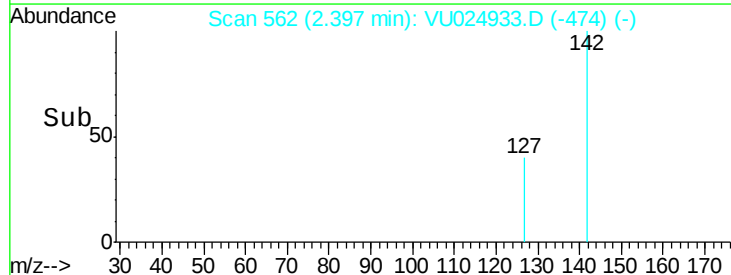
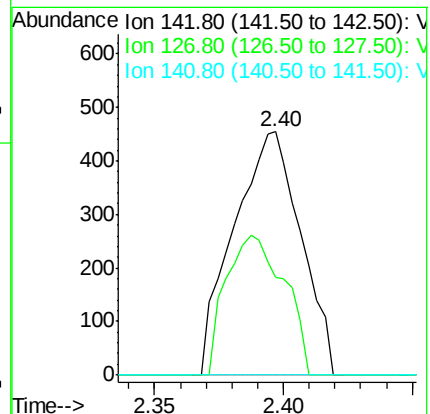
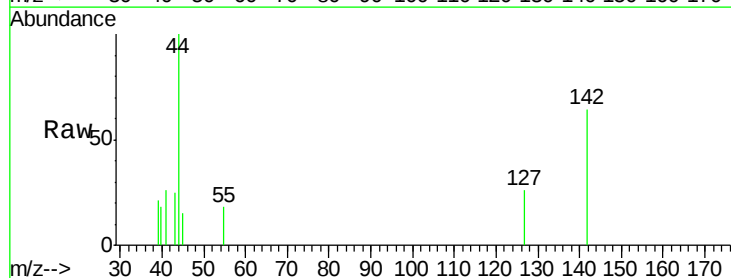
Tgt Ion: 142 Resp: 822

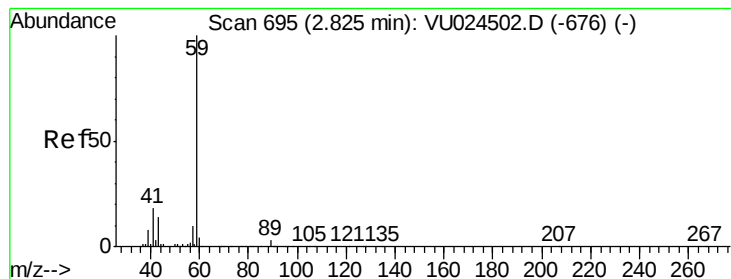
Ion Ratio Lower Upper

142 100

127 49.9 35.6 53.4

141 0.0 11.7 17.5#



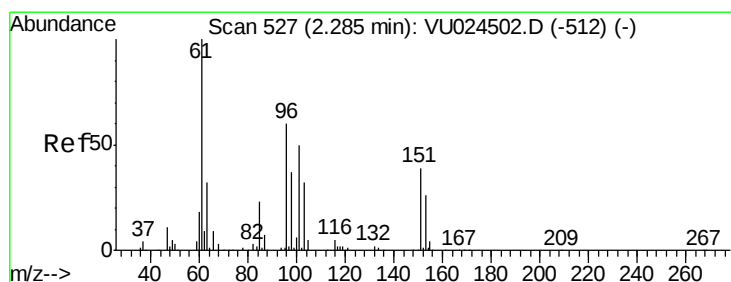
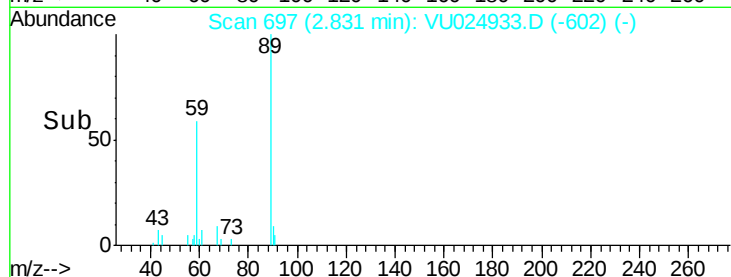
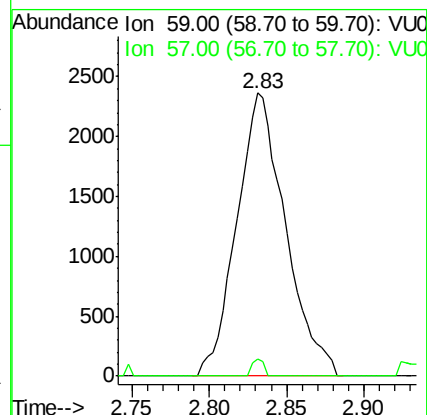
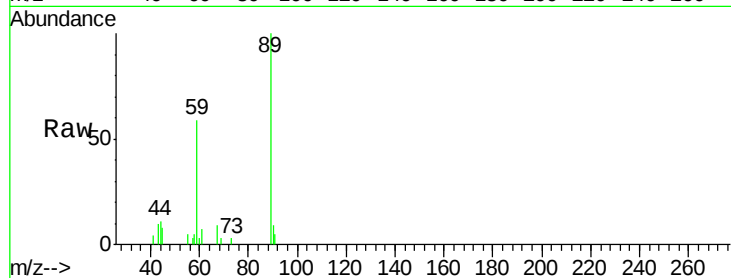


#11

Tert butyl alcohol
 Concen: 6.009 ug/l
 RT: 2.83 min Scan# 697
 Delta R.T. 0.01 min
 Lab File: VU024933.D
 Acq: 26 Jun 2018 20:43

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB484-37-39-180620ME

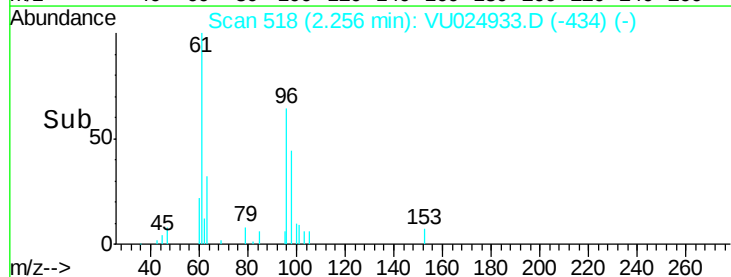
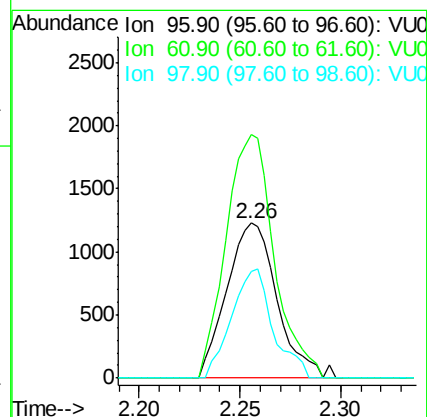
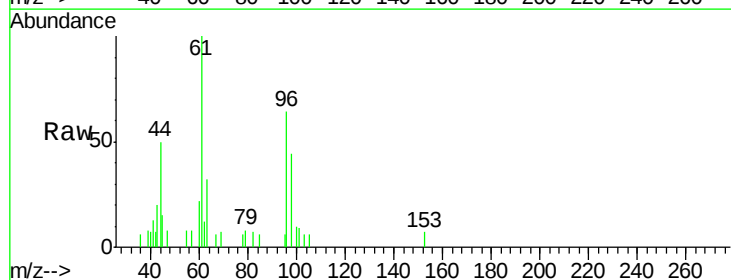
Tgt Ion: 59 Resp: 5170
 Ion Ratio Lower Upper
 59 100
 57 1.4 8.5 12.7#

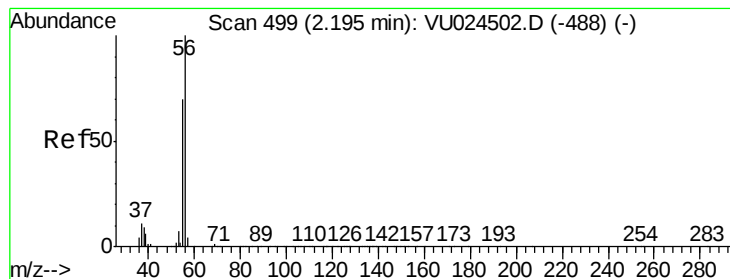


#12

1,1-Dichloroethene
 Concen: 0.870 ug/l
 RT: 2.26 min Scan# 518
 Delta R.T. -0.03 min
 Lab File: VU024933.D
 Acq: 26 Jun 2018 20:43

Tgt Ion: 96 Resp: 2146
 Ion Ratio Lower Upper
 96 100
 61 156.9 141.7 212.5
 98 68.5 51.6 77.4





#13

Acrolein

Concen: 0.407 ug/l

RT: 2.20 min Scan# 501

Delta R.T. 0.01 min

Lab File: VU024933.D

Acq: 26 Jun 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

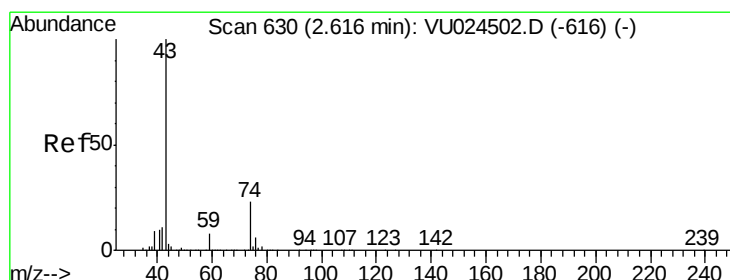
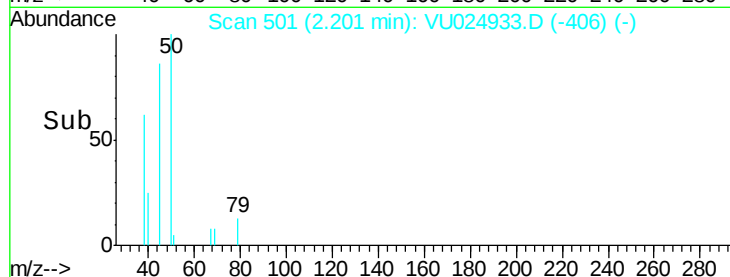
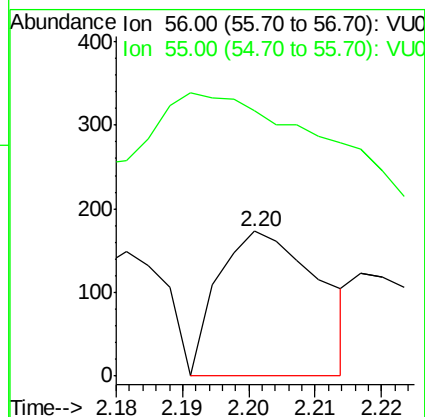
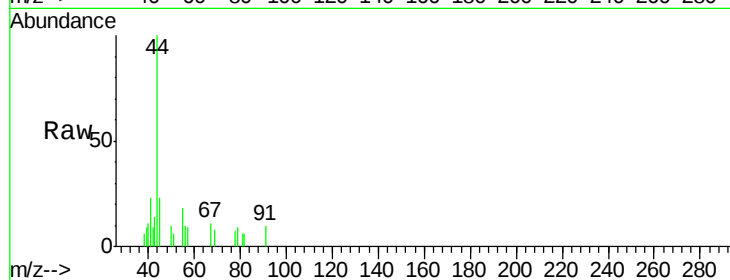
WP021SB484-37-39-180620ME

Tgt Ion: 56 Resp: 184

Ion Ratio Lower Upper

56 100

55 141.8 58.4 87.6#



#18

Methyl Acetate

Concen: 0.223 ug/l

RT: 2.62 min Scan# 632

Delta R.T. 0.01 min

Lab File: VU024933.D

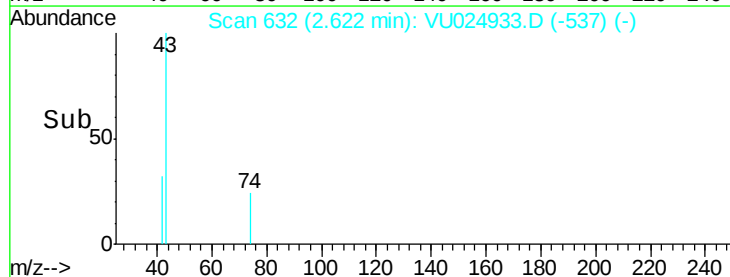
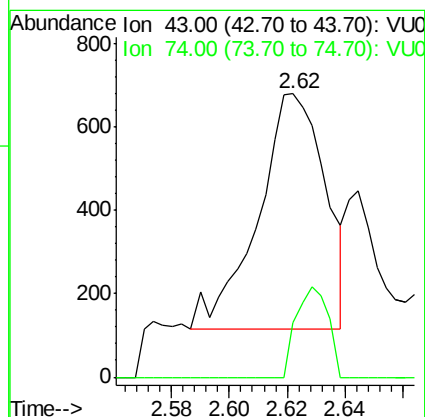
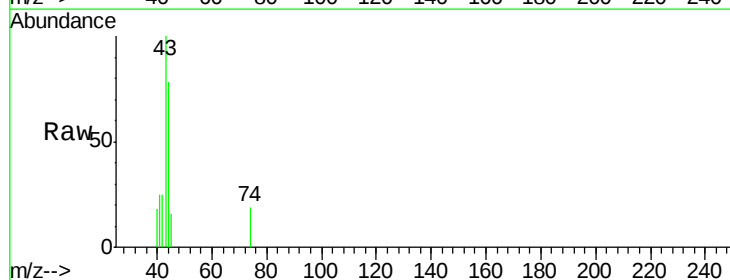
Acq: 26 Jun 2018 20:43

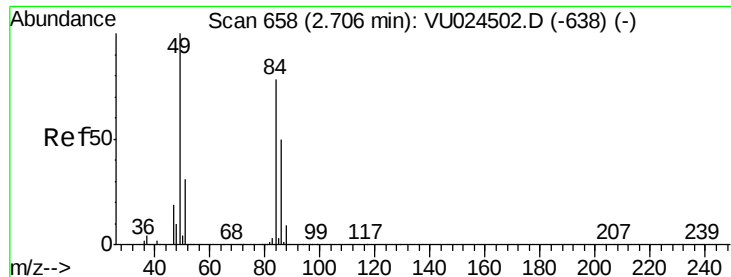
Tgt Ion: 43 Resp: 909

Ion Ratio Lower Upper

43 100

74 18.3 18.0 27.0





#20

Methylene Chloride

Concen: 0.475 ug/l

RT: 2.69 min Scan# 654

Delta R.T. -0.01 min

Lab File: VU024933.D

Acq: 26 Jun 2018 20:43

Instrument :

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ClientSampleId :

WP021SB484-37-39-180620ME

Tgt Ion: 84 Resp: 1417

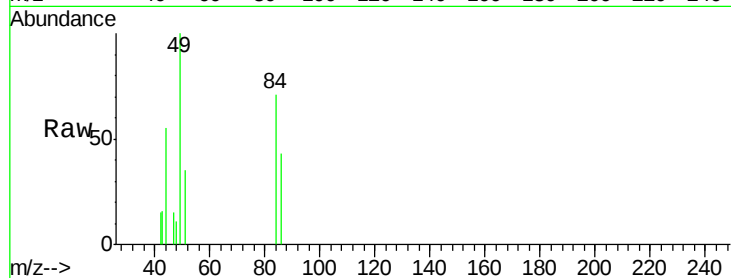
Ion Ratio Lower Upper

84 100

49 140.8 103.8 155.8

51 49.1 32.0 48.0#

86 61.0 51.6 77.4

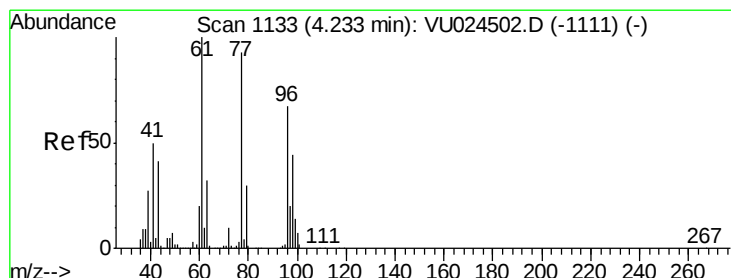
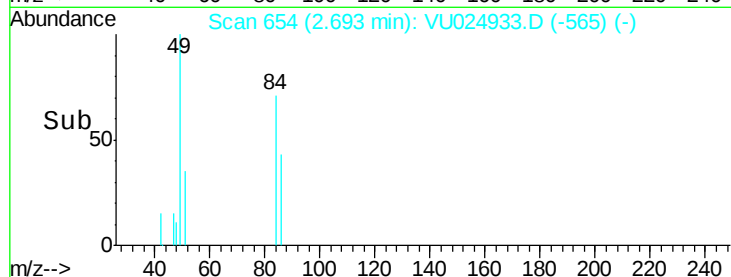
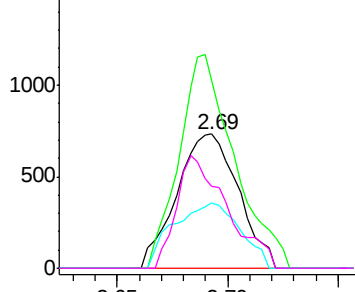


Abundance Ion 83.90 (83.60 to 84.60): VU0

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: 17.776 ug/l

RT: 4.22 min Scan# 1129

Delta R.T. -0.01 min

Lab File: VU024933.D

Acq: 26 Jun 2018 20:43

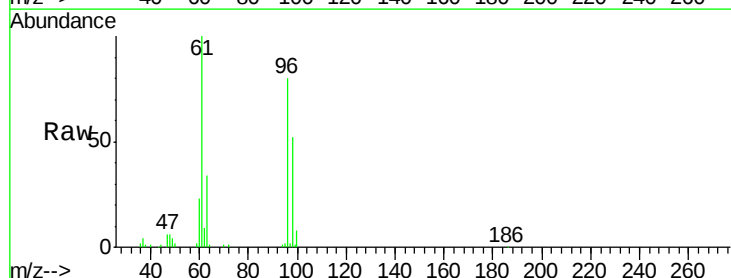
Tgt Ion: 96 Resp: 55541

Ion Ratio Lower Upper

96 100

61 132.8 0.0 306.6

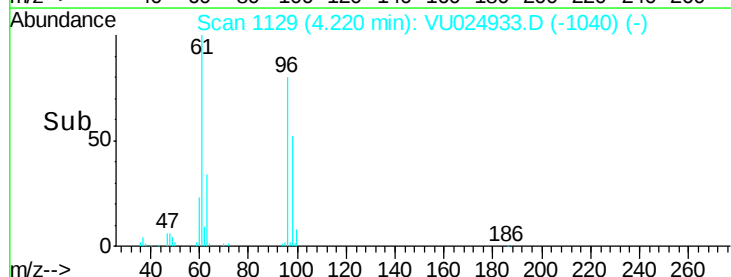
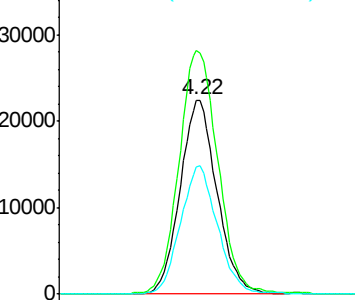
98 66.1 0.0 128.8

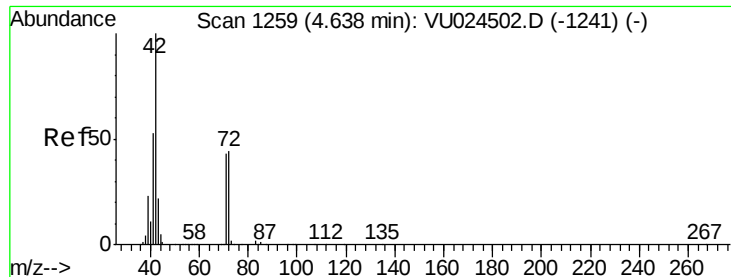


Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#29

Tetrahydrofuran

Concen: 1.186 ug/l

RT: 4.66 min Scan# 1266

Delta R.T. 0.02 min

Lab File: VU024933.D

Acq: 26 Jun 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

WP021SB484-37-39-180620ME

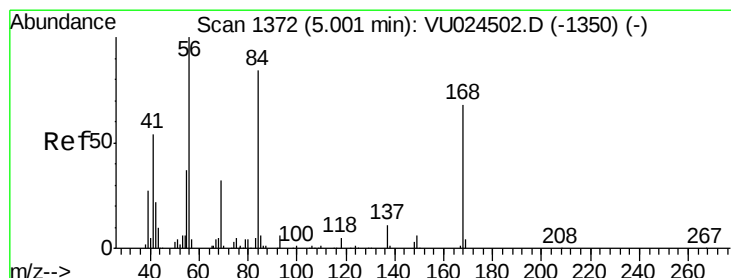
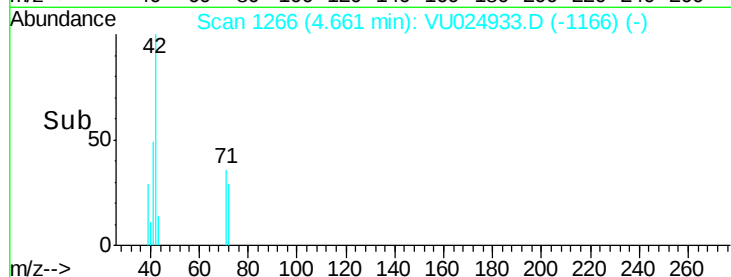
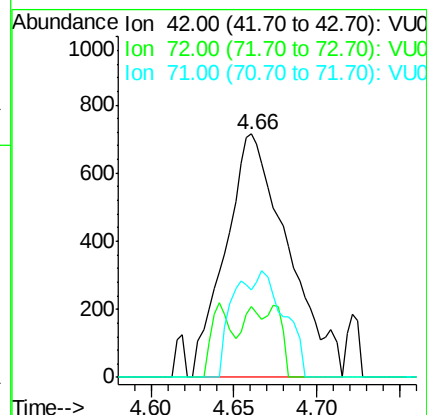
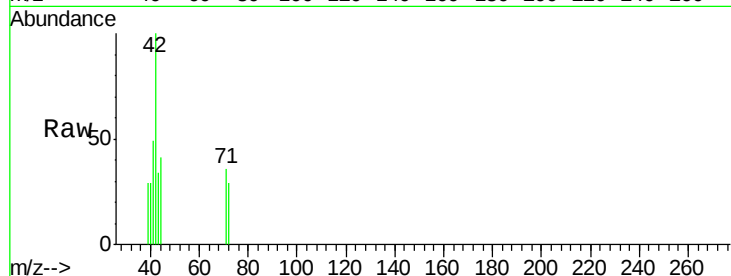
Tgt Ion: 42 Resp: 1876

Ion Ratio Lower Upper

42 100

72 3.6 34.5 51.7#

71 14.9 32.2 48.4#



#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1366

Delta R.T. -0.02 min

Lab File: VU024933.D

Acq: 26 Jun 2018 20:43

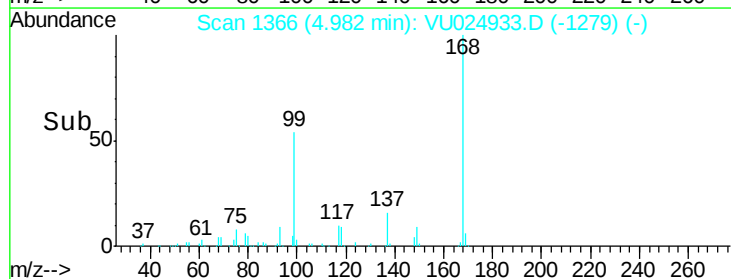
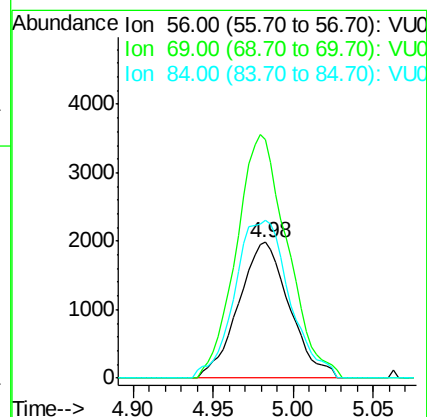
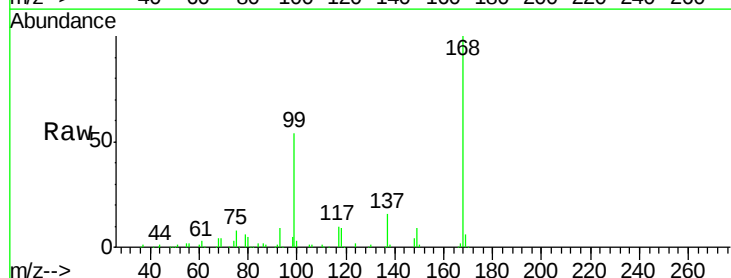
Tgt Ion: 56 Resp: 4324

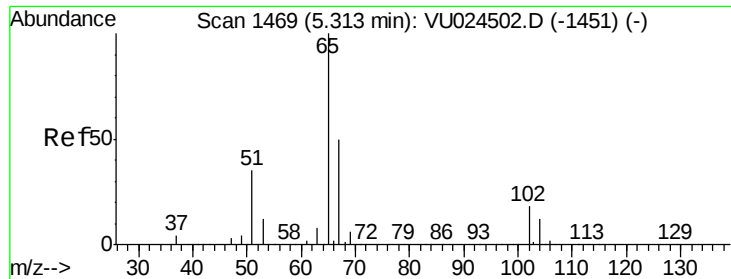
Ion Ratio Lower Upper

56 100

69 175.9 24.8 37.2#

84 115.9 65.2 97.8#

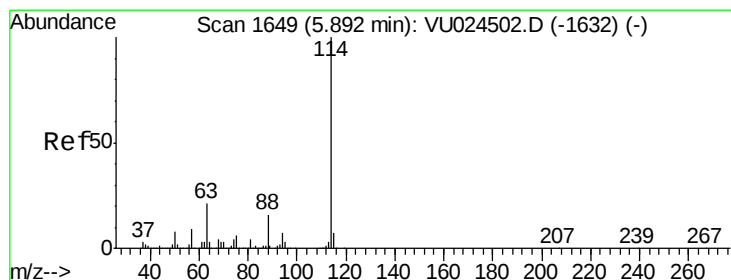
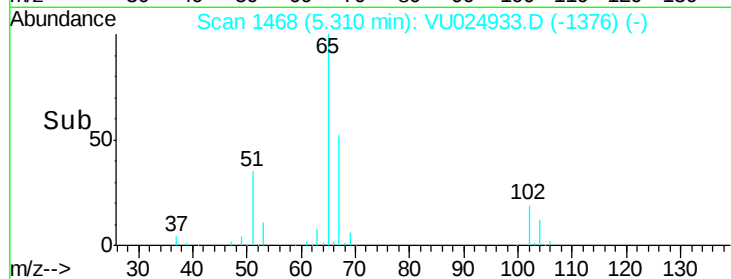
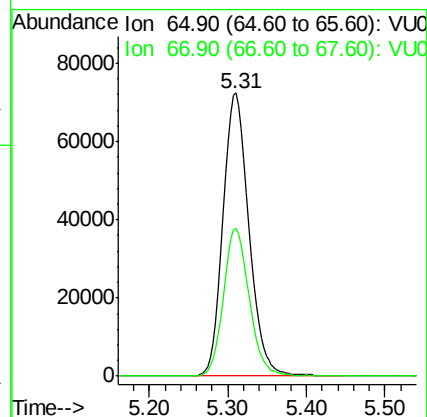
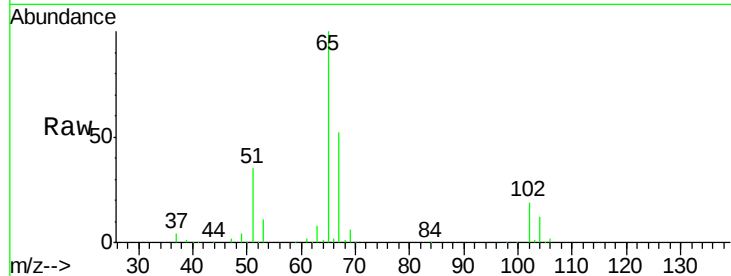




#33
 1,2-Dichloroethane-d4
 Concen: 46.526 ug/l
 RT: 5.31 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: VU024933.D
 Acq: 26 Jun 2018 20:43

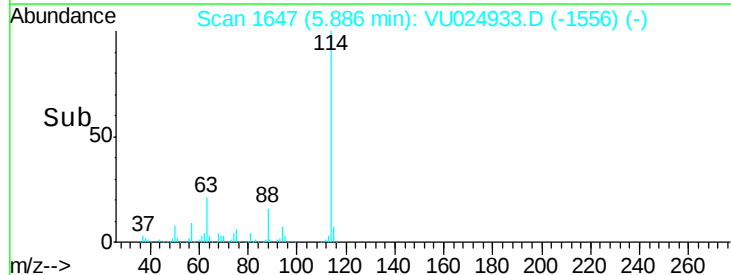
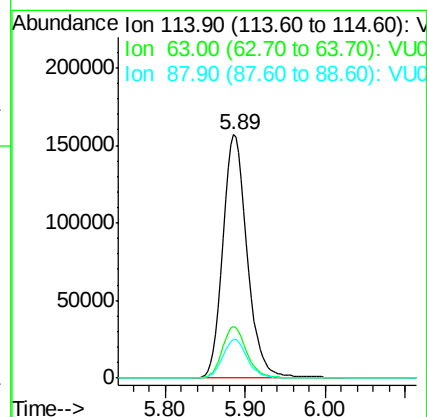
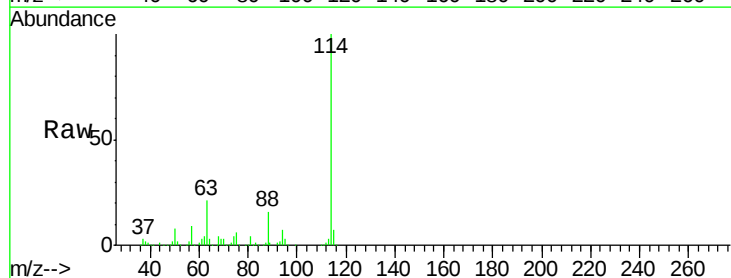
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB484-37-39-180620ME

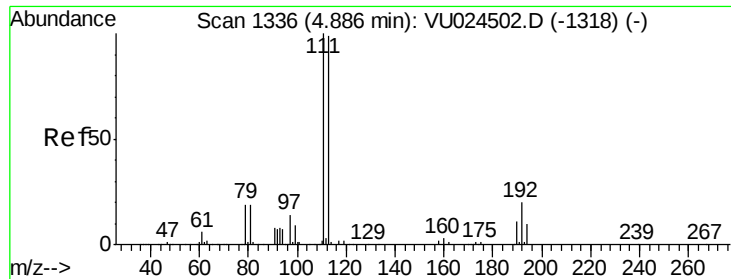
Tgt Ion: 65 Resp: 164596
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1647
 Delta R.T. -0.01 min
 Lab File: VU024933.D
 Acq: 26 Jun 2018 20:43

Tgt Ion: 114 Resp: 331762
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 45.4
 88 15.9 0.0 31.0

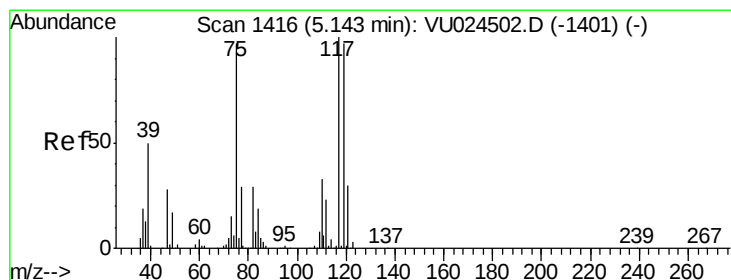
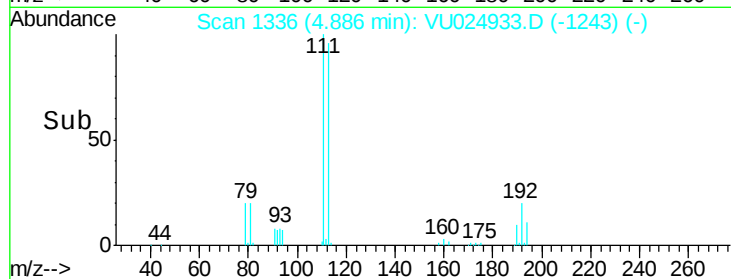
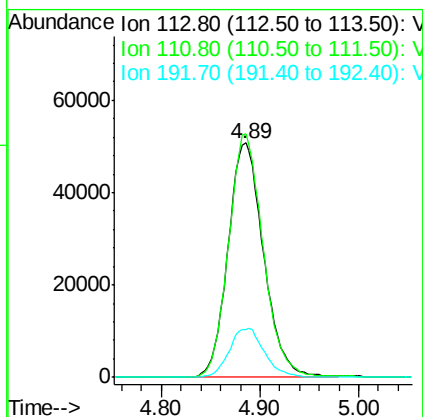
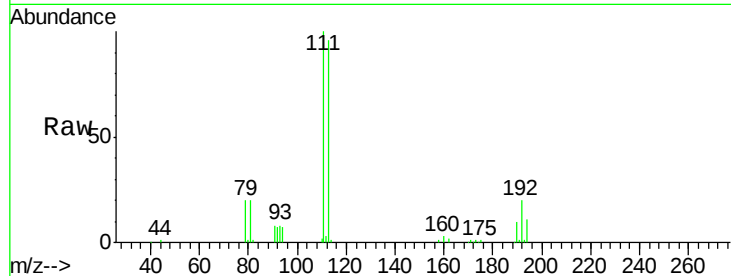




#35
 Dibromofluoromethane
 Concen: 46.305 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU024933.D
 Acq: 26 Jun 2018 20:43

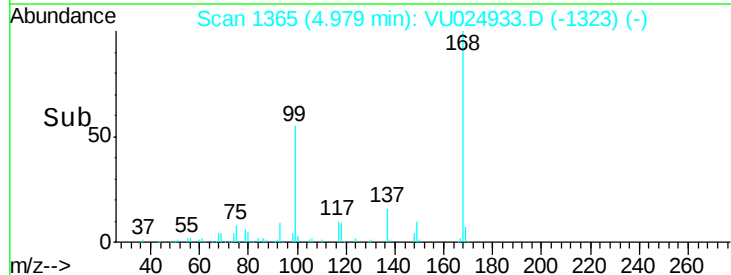
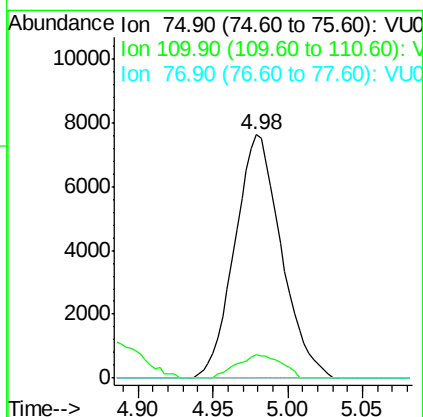
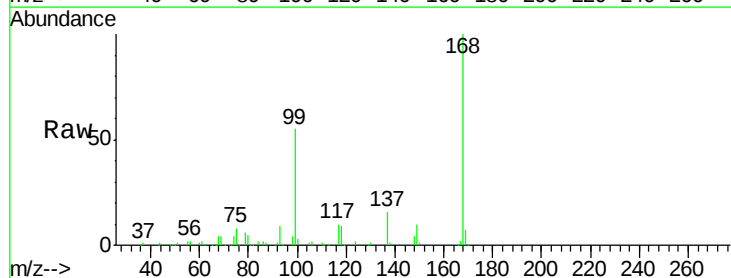
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB484-37-39-180620ME

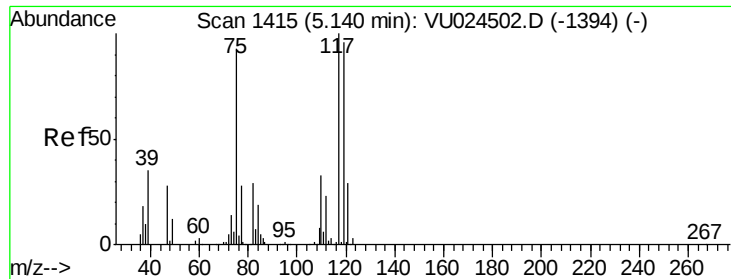
Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.9	82.2	123.4
192	20.6	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 4.229 ug/l
 RT: 4.98 min Scan# 1365
 Delta R.T. -0.16 min
 Lab File: VU024933.D
 Acq: 26 Jun 2018 20:43

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	17.0	50.9#
77	0.0	24.2	36.4#

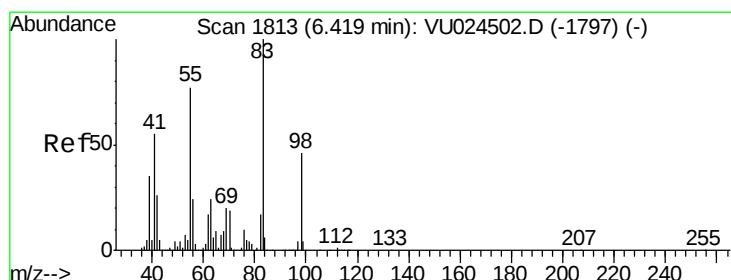
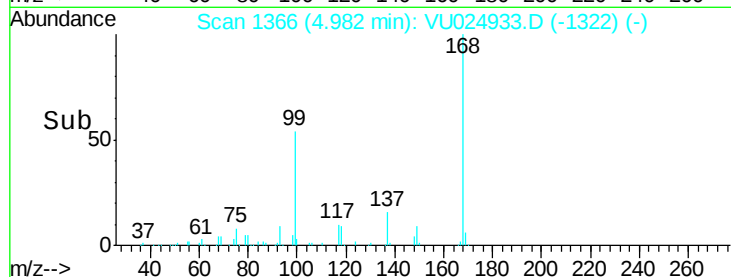
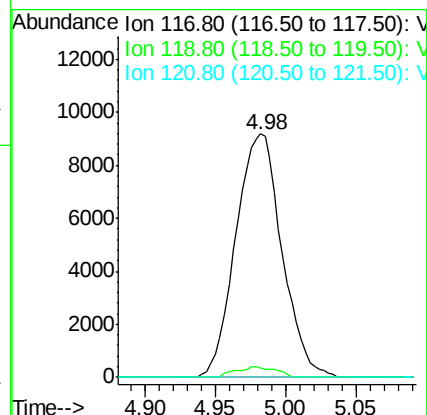
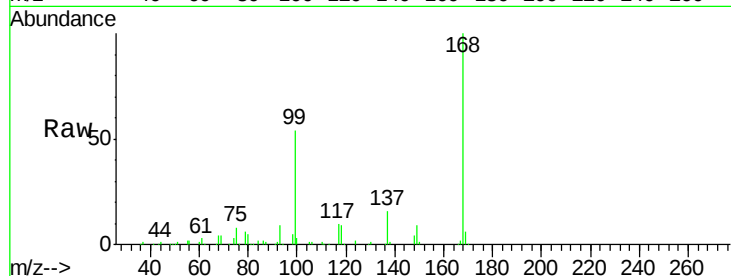




#38
Carbon Tetrachloride
Concen: 4.894 ug/l
RT: 4.98 min Scan# 1366
Delta R.T. -0.16 min
Lab File: VU024933.D
Acq: 26 Jun 2018 20:43

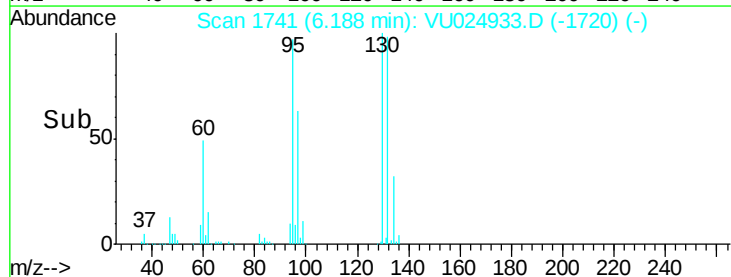
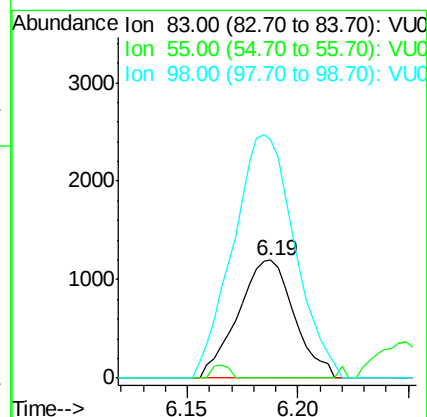
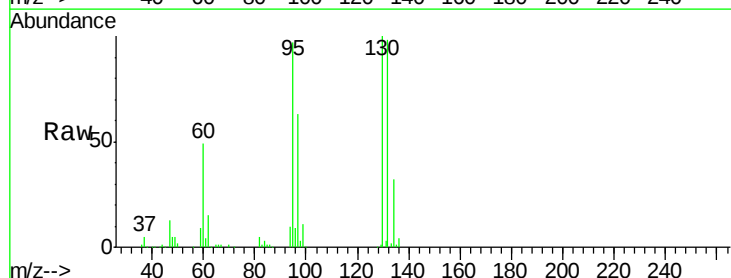
Instrument :
MSVOA_U
ClientSampleId :
WP021SB484-37-39-180620ME

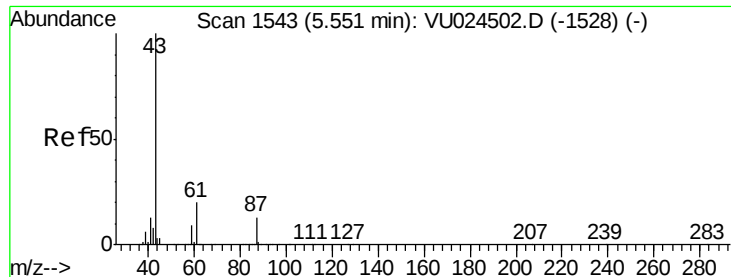
Tgt Ion: 117 Resp: 20982
Ion Ratio Lower Upper
117 100
119 3.9 76.1 114.1#
121 0.0 23.7 35.5#



#39
Methylcyclohexane
Concen: 0.435 ug/l
RT: 6.19 min Scan# 1741
Delta R.T. -0.23 min
Lab File: VU024933.D
Acq: 26 Jun 2018 20:43

Tgt Ion: 83 Resp: 2115
Ion Ratio Lower Upper
83 100
55 0.0 65.8 98.6#
98 202.6 36.7 55.1#





#43

Isopropyl Acetate

Concen: 0.262 ug/l

RT: 5.61 min Scan# 1561

Delta R.T. 0.06 min

Lab File: VU024933.D

Acq: 26 Jun 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

WP021SB484-37-39-180620ME

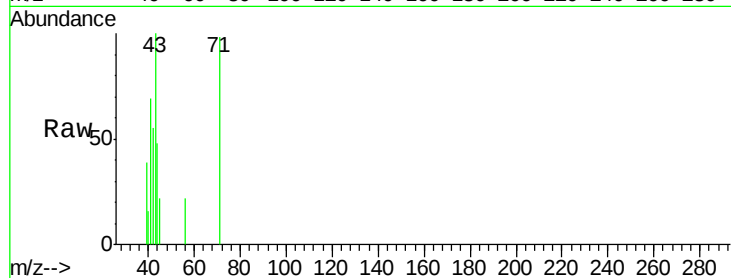
Tgt Ion: 43 Resp: 1927

Ion Ratio Lower Upper

43 100

61 0.0 15.4 23.0#

87 0.0 10.0 15.0#



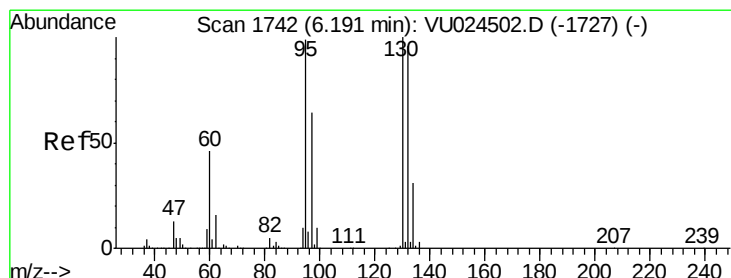
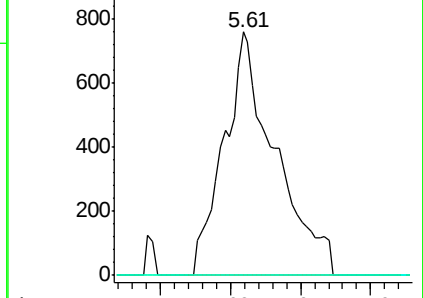
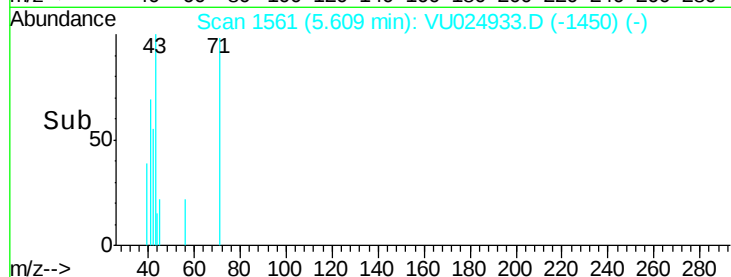
Abundance Ion 43.00 (42.70 to 43.70): VU024502.D (-1528) (-)

Ion 61.00 (60.70 to 61.70): VU024502.D (-1528) (-)

Ion 87.00 (86.70 to 87.70): VU024502.D (-1528) (-)

5.61

Time-->



#44

Trichloroethene

Concen: 61.141 ug/l

RT: 6.18 min Scan# 1740

Delta R.T. -0.01 min

Lab File: VU024933.D

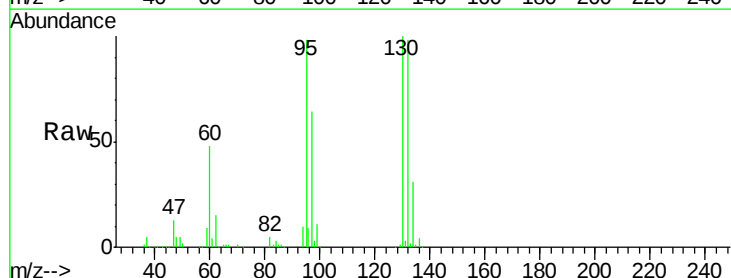
Acq: 26 Jun 2018 20:43

Tgt Ion: 130 Resp: 193293

Ion Ratio Lower Upper

130 100

95 97.8 0.0 202.4

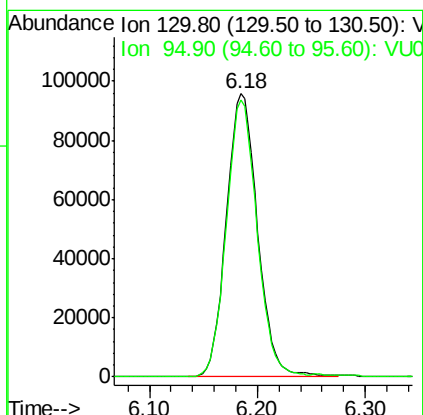
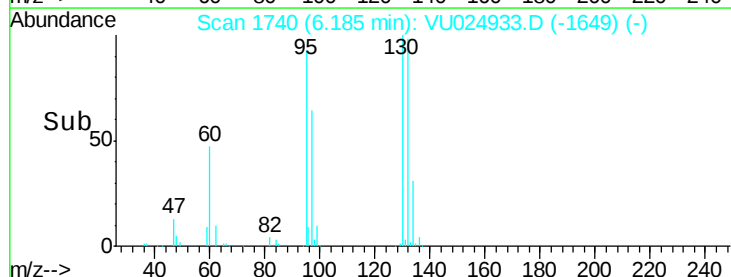


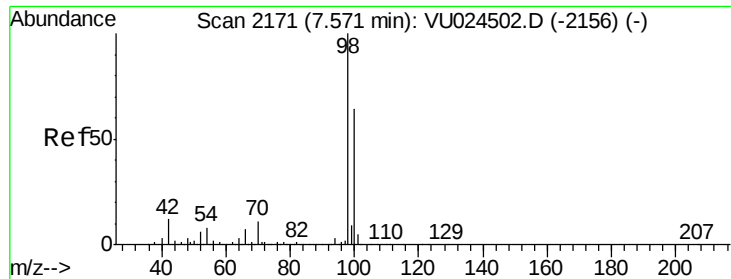
Abundance Ion 129.80 (129.50 to 130.50): VU024502.D (-1727) (-)

Ion 94.90 (94.60 to 95.60): VU024502.D (-1727) (-)

6.18

Time-->

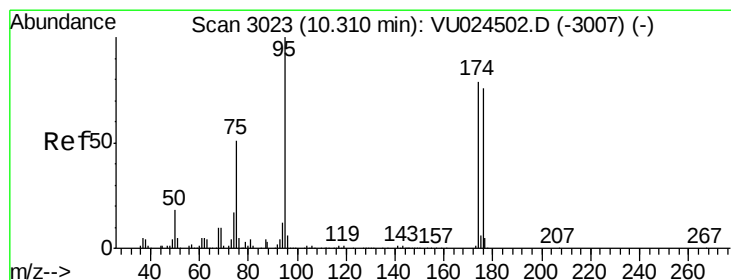
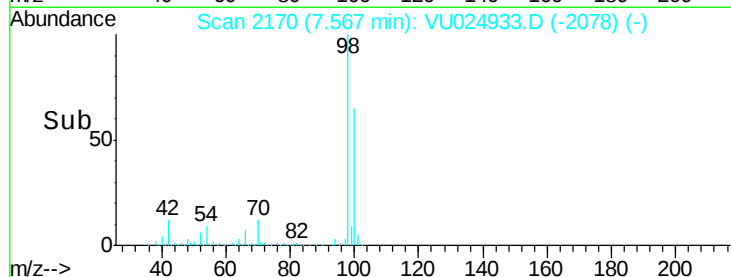
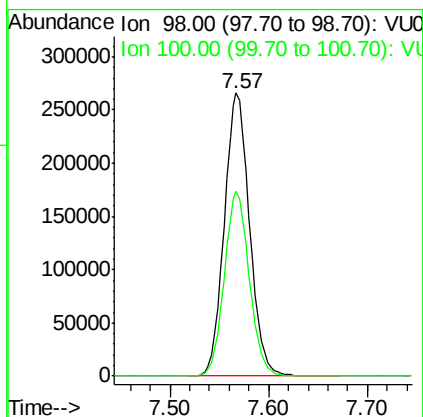
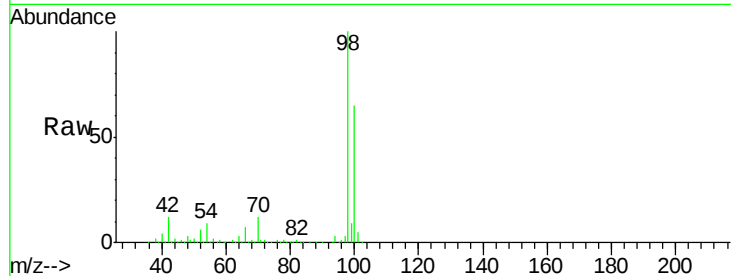




#50
Toluene-d8
Concen: 47.555 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU024933.D
Acq: 26 Jun 2018 20:43

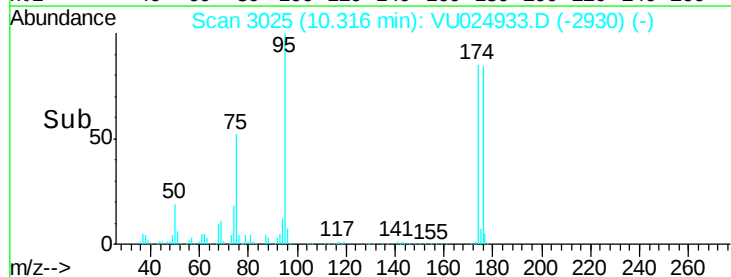
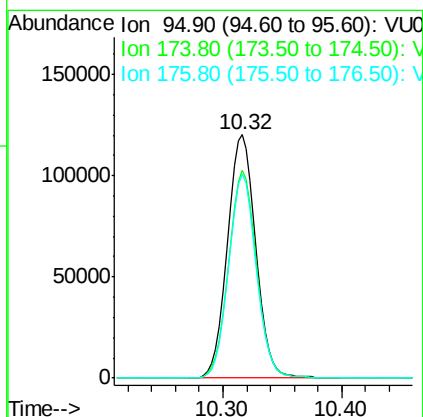
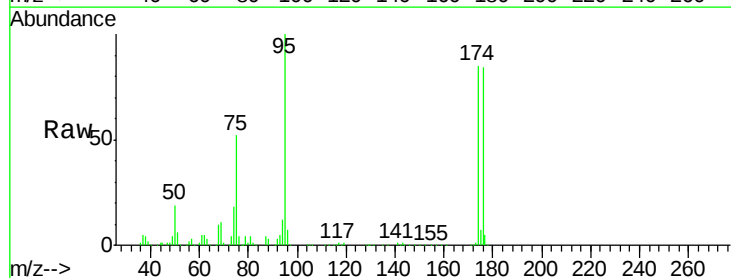
Instrument :
MSVOA_U
ClientSampleId :
WP021SB484-37-39-180620ME

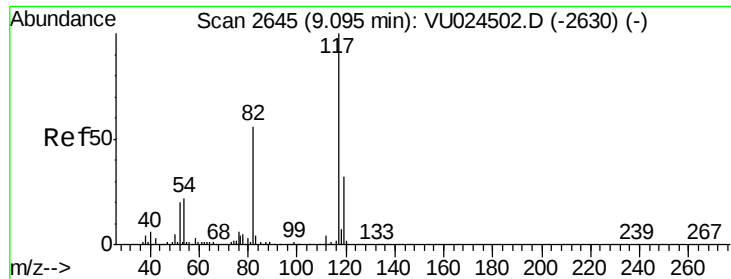
Tgt Ion: 98 Resp: 477603
Ion Ratio Lower Upper
98 100
100 64.3 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 49.739 ug/l
RT: 10.32 min Scan# 3025
Delta R.T. 0.01 min
Lab File: VU024933.D
Acq: 26 Jun 2018 20:43

Tgt Ion: 95 Resp: 198337
Ion Ratio Lower Upper
95 100
174 84.3 0.0 165.8
176 81.6 0.0 159.4

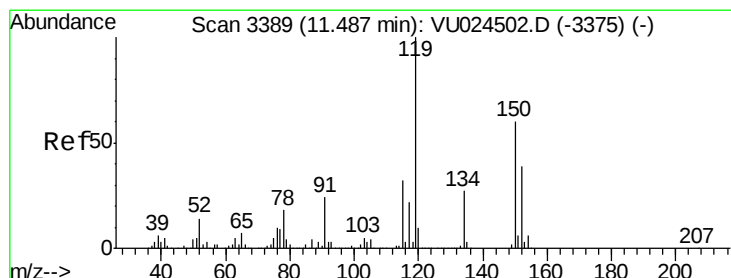
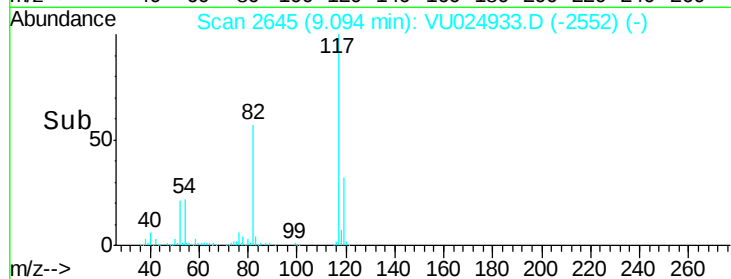
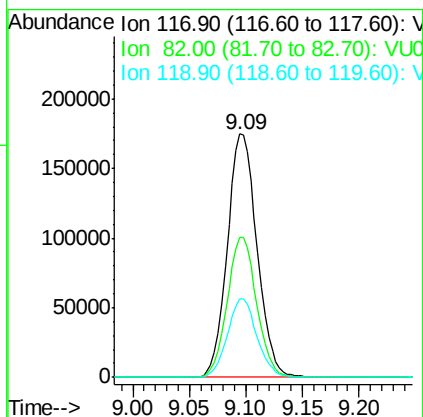
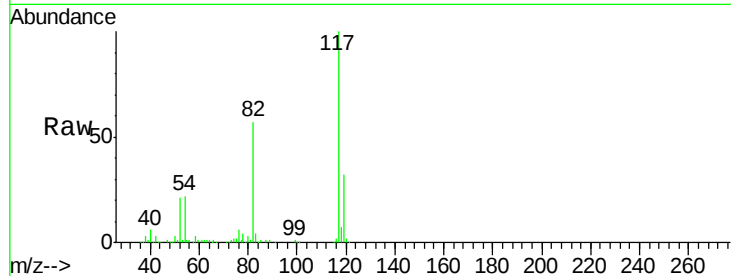




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU024933.D
Acq: 26 Jun 2018 20:43

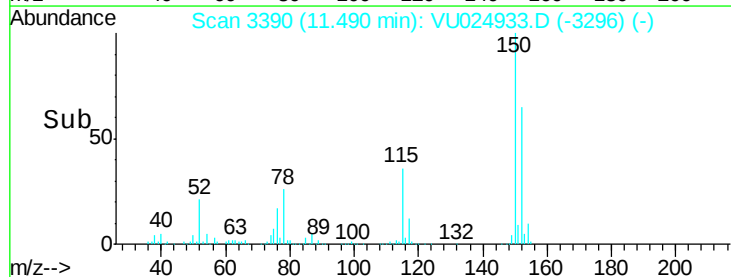
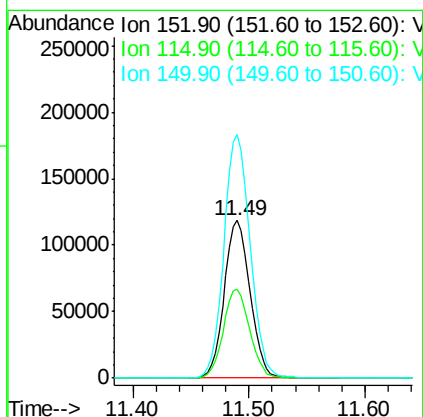
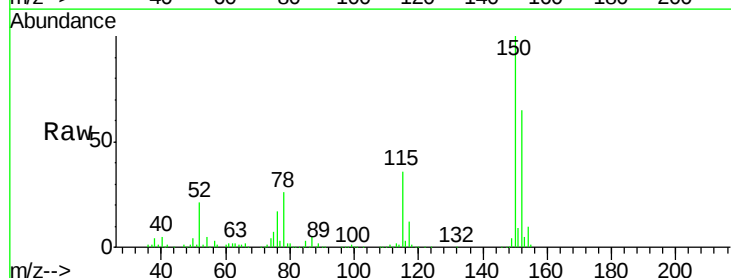
Instrument :
MSVOA_U
ClientSampleId :
WP021SB484-37-39-180620ME

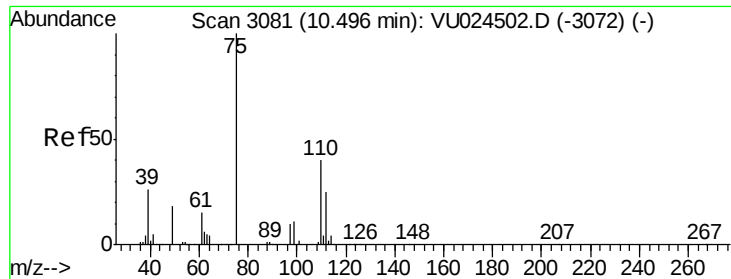
Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.2	44.3	66.5
119	32.0	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VU024933.D
Acq: 26 Jun 2018 20:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.5	43.0	129.0
150	156.7	0.0	354.0





#76

1,2,3-Trichloropropane

Concen: 25.421 ug/l

RT: 10.32 min Scan# 3025

Delta R.T. -0.18 min

Lab File: VU024933.D

Acq: 26 Jun 2018 20:43

Instrument :

MSVOA_U

ClientSampleId :

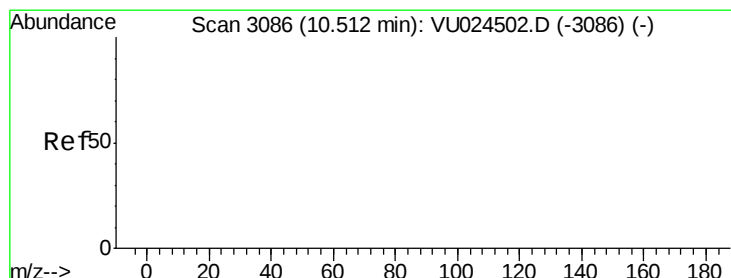
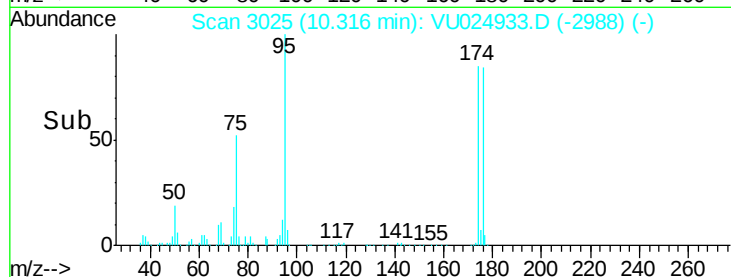
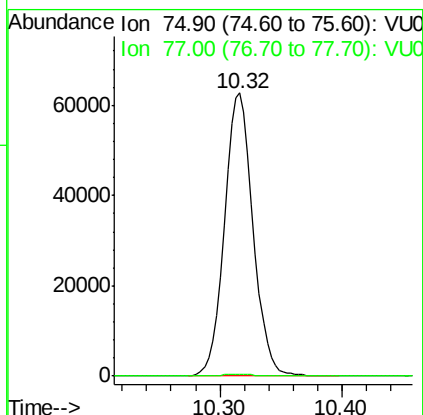
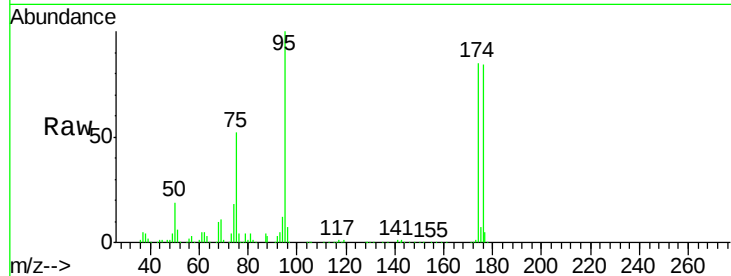
WP021SB484-37-39-180620ME

Tgt Ion: 75 Resp: 102673

Ion Ratio Lower Upper

75 100

77 0.8 20.9 62.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 58.834 ug/l

RT: 10.32 min Scan# 3025

Delta R.T. -0.20 min

Lab File: VU024933.D

Acq: 26 Jun 2018 20:43

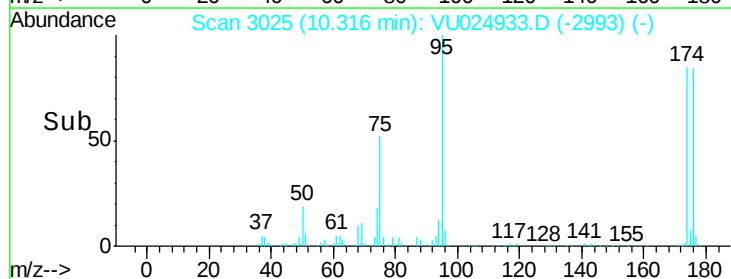
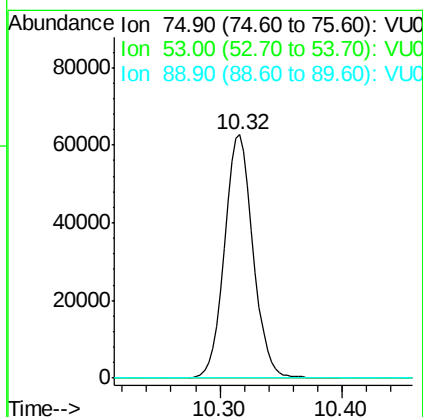
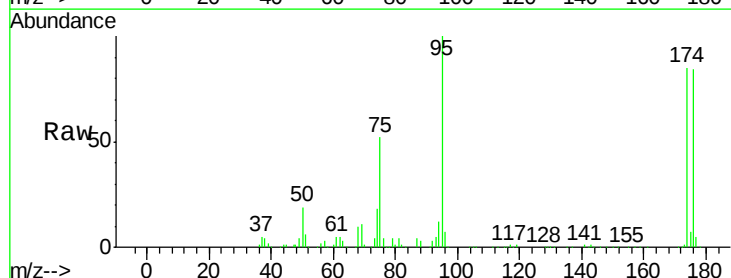
Tgt Ion: 75 Resp: 102673

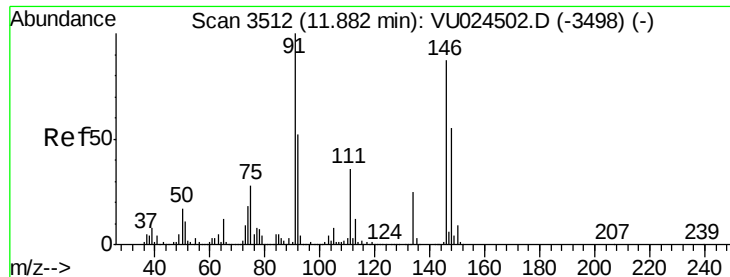
Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.1 0.0 0.0#

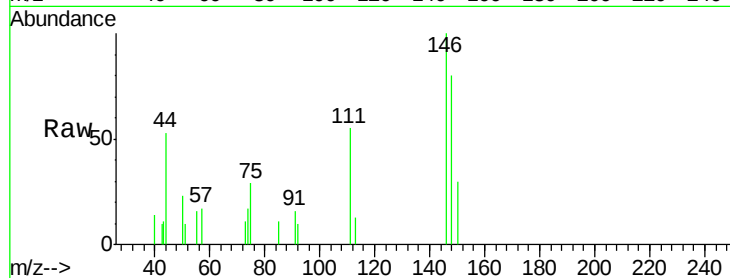




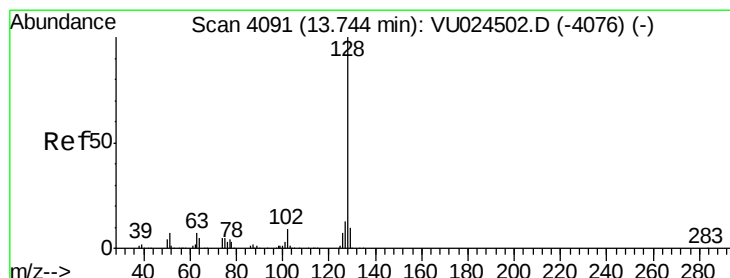
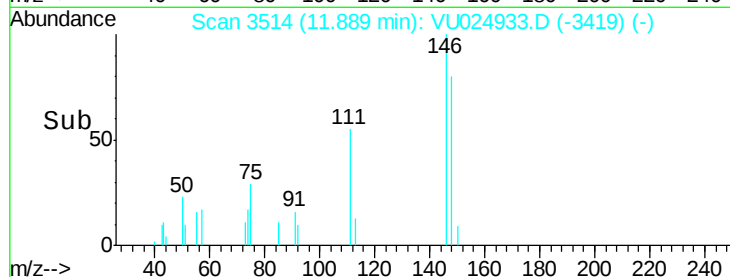
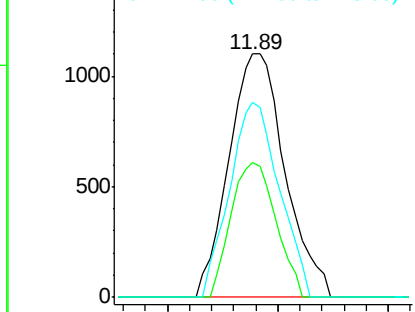
#91
 1,2-Dichlorobenzene
 Concen: 0.294 ug/l
 RT: 11.89 min Scan# 3514
 Delta R.T. 0.01 min
 Lab File: VU024933.D
 Acq: 26 Jun 2018 20:43

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB484-37-39-180620ME

Tgt Ion:146 Resp: 1942
 Ion Ratio Lower Upper
 146 100
 111 44.3 20.5 61.6
 148 70.8 31.9 95.7

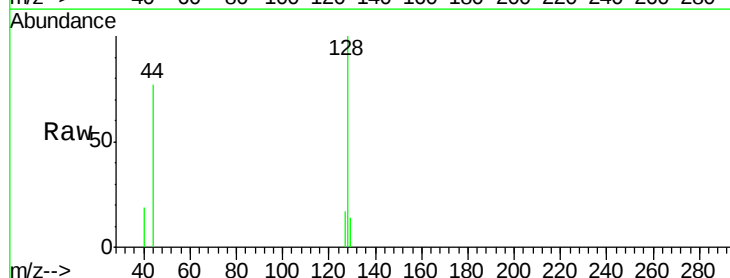


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V



#95
 Naphthalene
 Concen: 0.871 ug/l
 RT: 13.76 min Scan# 4095
 Delta R.T. 0.01 min
 Lab File: VU024933.D
 Acq: 26 Jun 2018 20:43

Tgt Ion:128 Resp: 2620
 Ion Ratio Lower Upper
 128 100
 127 4.2 10.6 16.0#
 129 3.5 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

