

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062518\
 Data File : VU024910.D
 Acq On : 26 Jun 2018 05:51
 Operator : MD/SY
 Sample : J3669-19ME 200X
 Misc : 6.02g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB475-27-29-180620ME

Quant Time: Jun 26 08:41:31 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

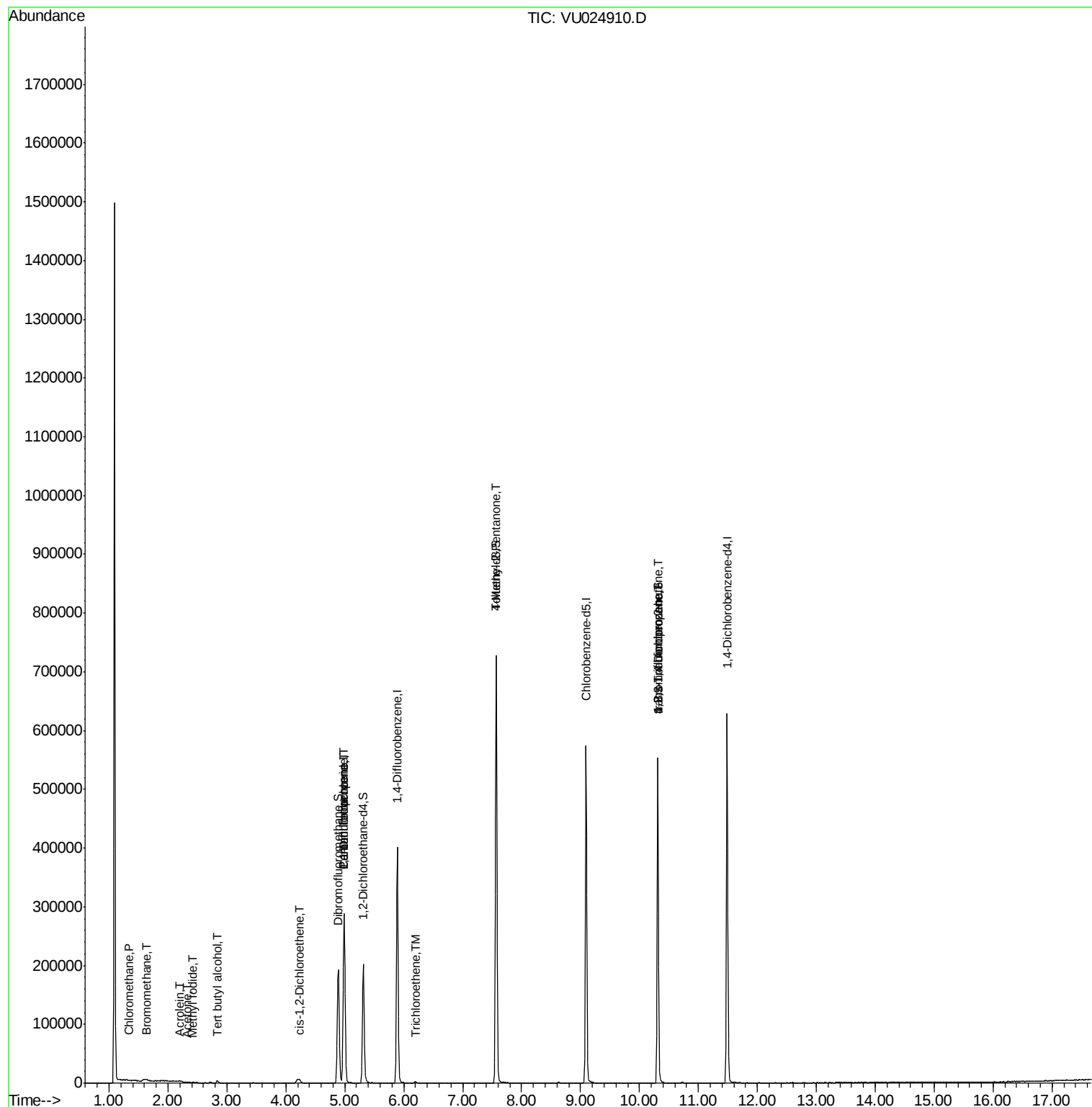
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	221356	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	336526	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	311686	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	164043	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	165381	45.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.54%	
35) Dibromofluoromethane	4.89	113	131007	46.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.82%	
50) Toluene-d8	7.57	98	478693	46.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.98%	
62) 4-Bromofluorobenzene	10.31	95	178101	44.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.06%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	657	0.232	ug/l	97
5) Bromomethane	1.64	94	471	0.334	ug/l	88
6) Chloroethane	1.70	64	179	Below Cal	#	43
10) Methyl Iodide	2.42	142	60	5.311	ug/l #	40
11) Tert butyl alcohol	2.84	59	2288	2.603	ug/l #	72
13) Acrolein	2.20	56	125	0.271	ug/l	96
16) Acetone	2.32	43	760	0.391	ug/l	93
27) cis-1,2-Dichloroethene	4.23	96	2623	0.822	ug/l	82
31) Cyclohexane	4.99	56	4800	Below Cal	#	17
36) 1,1-Dichloropropene	4.99	75	16730	4.231	ug/l #	51
38) Carbon Tetrachloride	4.99	117	20744	4.770	ug/l #	15
44) Trichloroethene	6.19	130	964	0.301	ug/l	96
51) 4-Methyl-2-Pentanone	7.57	43	2211	0.472	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	93773	25.964	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	93773	60.092	ug/l #	100

(#) = 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# 1368

Delta R.T. -0.00 min

Lab File: VU024910.D

Acq: 26 Jun 2018 05:51

Instrument :

MSVOA_U

ClientSampleId :

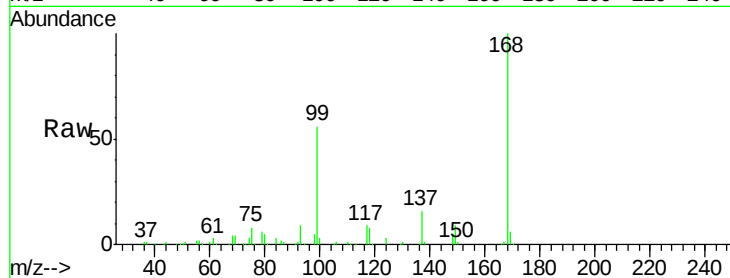
WP021SB475-27-29-180620ME

Tgt Ion:168 Resp: 221356

Ion Ratio Lower Upper

168 100

99 56.3 43.2 64.8



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

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)

4.99

100000

80000

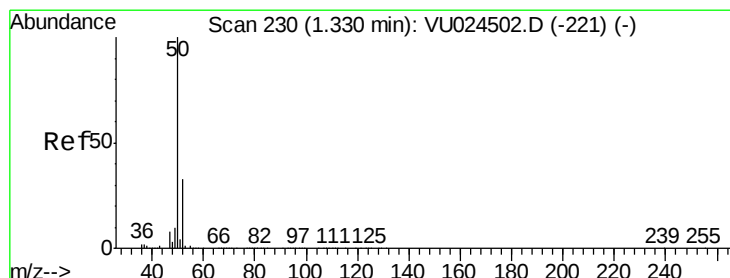
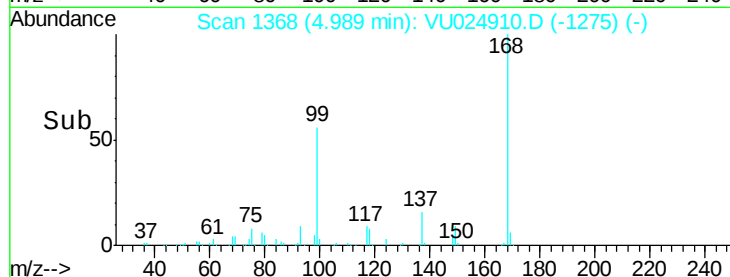
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.232 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024910.D

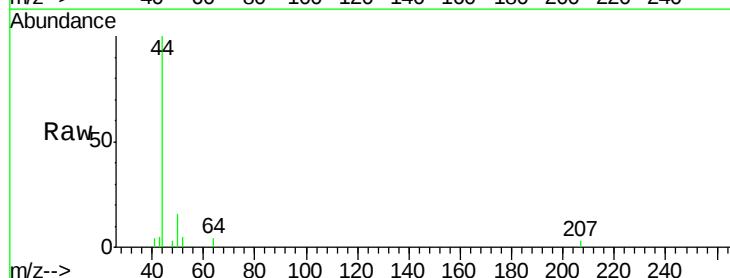
Acq: 26 Jun 2018 05:51

Tgt Ion: 50 Resp: 657

Ion Ratio Lower Upper

50 100

52 34.7 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) (-)

1.33

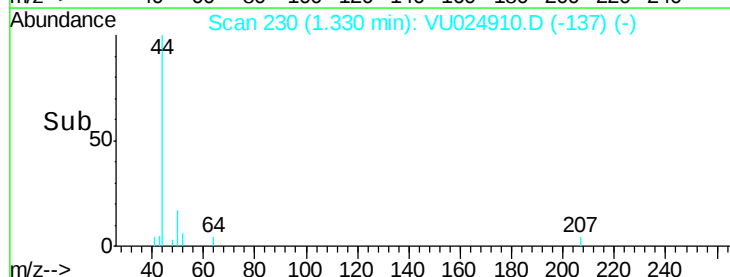
600

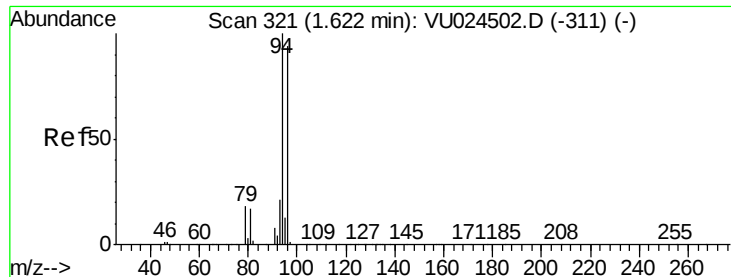
400

200

0

Time-->





#5

Bromomethane

Concen: 0.334 ug/l

RT: 1.64 min Scan# 326

Delta R.T. 0.02 min

Lab File: VU024910.D

Acq: 26 Jun 2018 05:51

Instrument :

MSVOA_U

ClientSampleId :

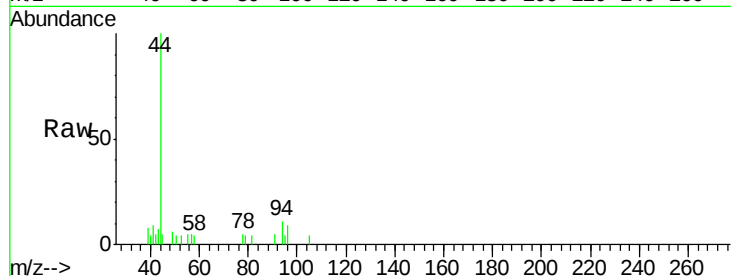
WP021SB475-27-29-180620ME

Tgt Ion: 94 Resp: 471

Ion Ratio Lower Upper

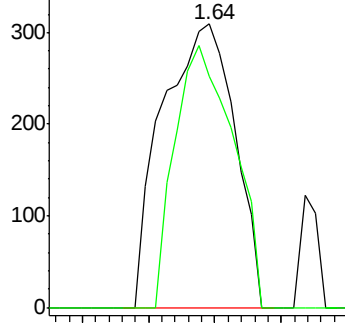
94 100

96 81.6 74.5 111.7

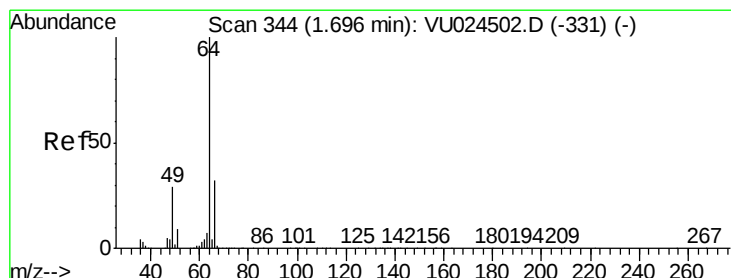
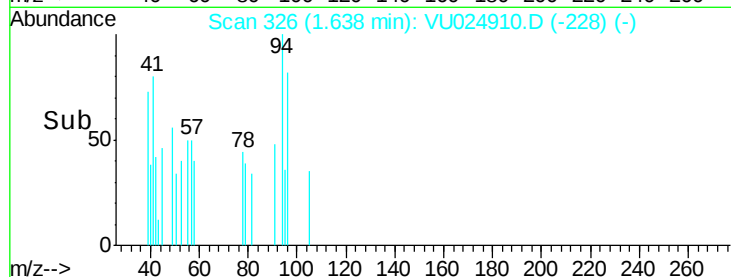


Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU024910.D

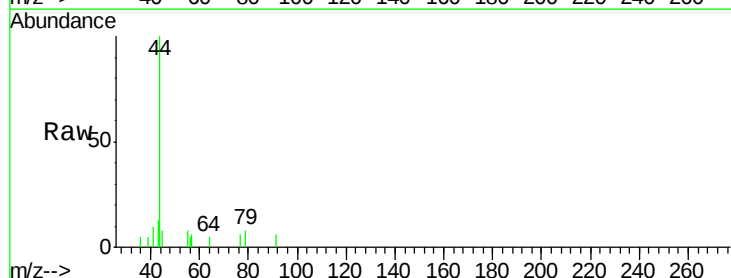
Acq: 26 Jun 2018 05:51

Tgt Ion: 64 Resp: 179

Ion Ratio Lower Upper

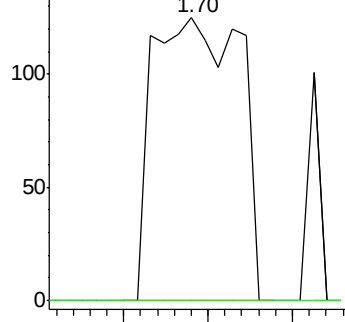
64 100

66 0.0 25.5 38.3#

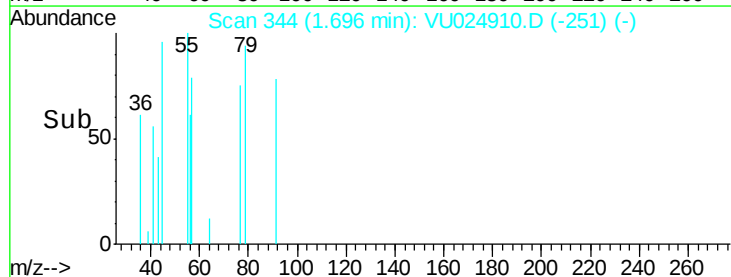


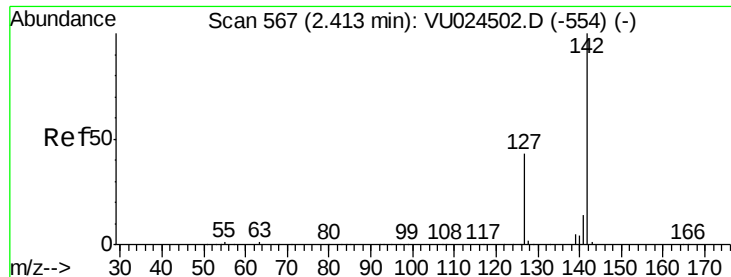
Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



Time-->

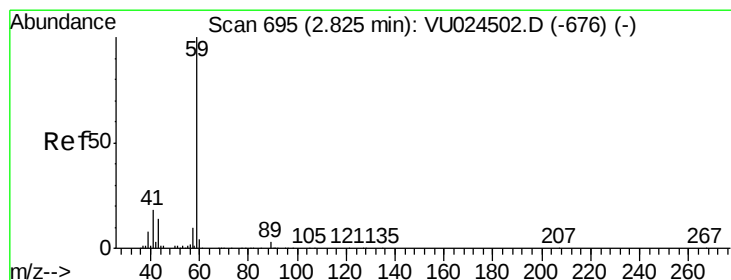
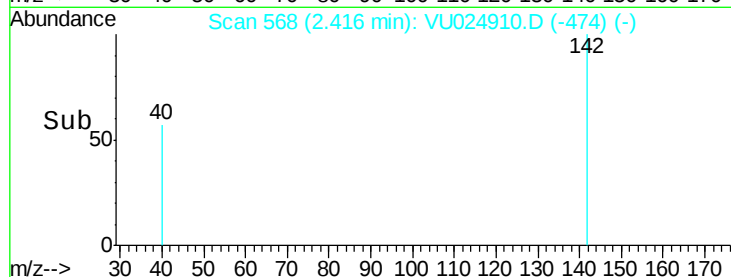
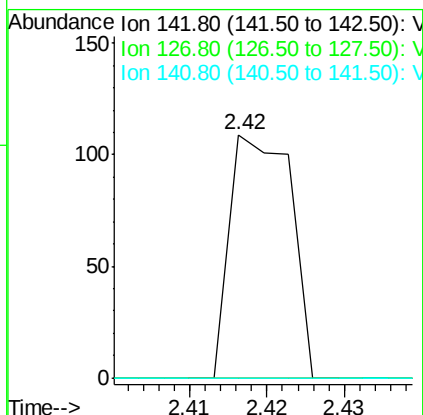
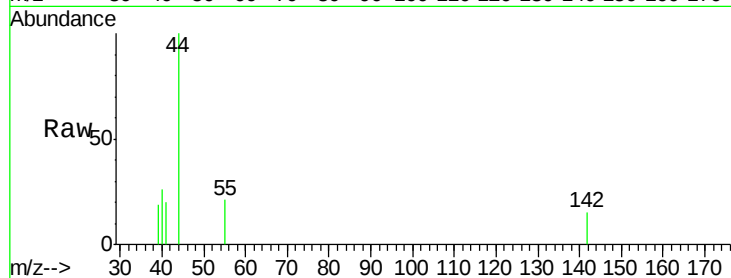




#10
Methyl Iodide
Concen: 5.311 ug/l
RT: 2.42 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU024910.D
Acq: 26 Jun 2018 05:51

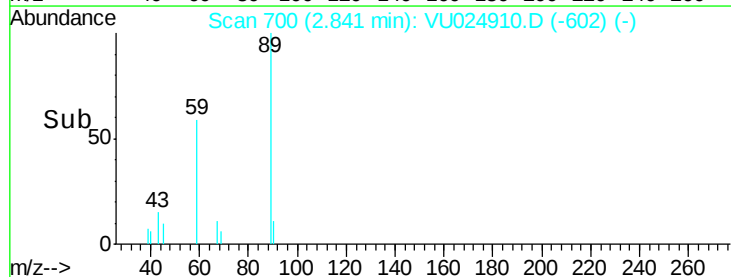
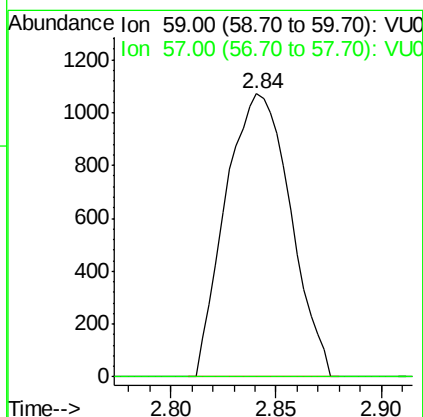
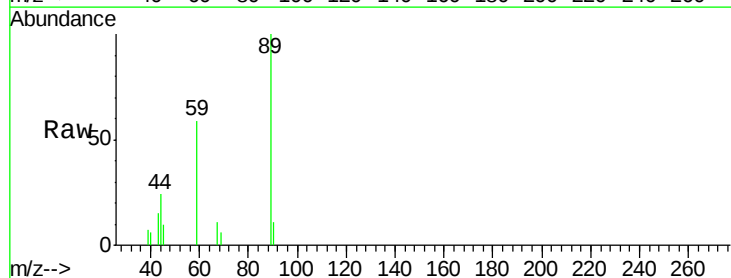
Instrument :
MSVOA_U
ClientSampleId :
WP021SB475-27-29-180620ME

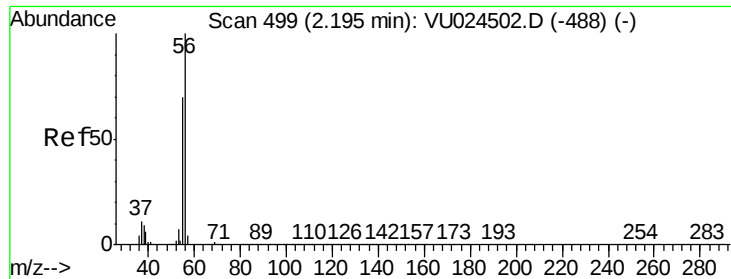
Tgt Ion: 142 Resp: 60
Ion Ratio Lower Upper
142 100
127 0.0 35.6 53.4#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 2.603 ug/l
RT: 2.84 min Scan# 700
Delta R.T. 0.02 min
Lab File: VU024910.D
Acq: 26 Jun 2018 05:51

Tgt Ion: 59 Resp: 2288
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#13

Acrolein

Concen: 0.271 ug/l

RT: 2.20 min Scan# 502

Delta R.T. 0.01 min

Lab File: VU024910.D

Acq: 26 Jun 2018 05:51

Instrument :

MSVOA_U

ClientSampleId :

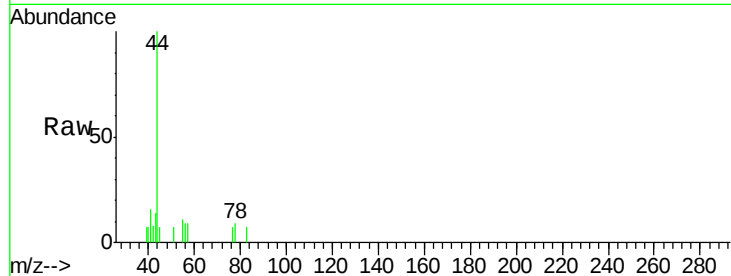
WP021SB475-27-29-180620ME

Tgt Ion: 56 Resp: 125

Ion Ratio Lower Upper

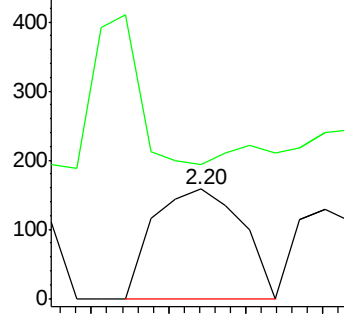
56 100

55 76.0 58.4 87.6

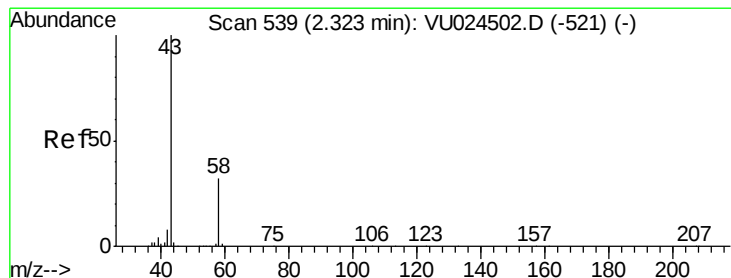
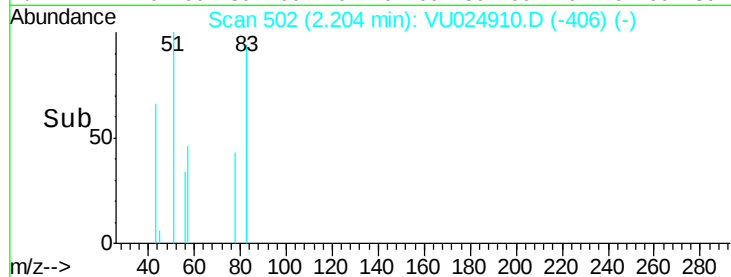


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



Time-->



#16

Acetone

Concen: 0.391 ug/l

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU024910.D

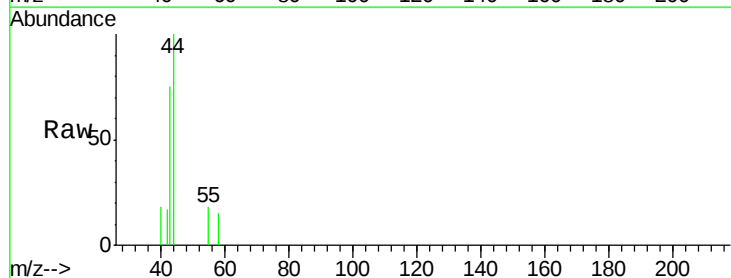
Acq: 26 Jun 2018 05:51

Tgt Ion: 43 Resp: 760

Ion Ratio Lower Upper

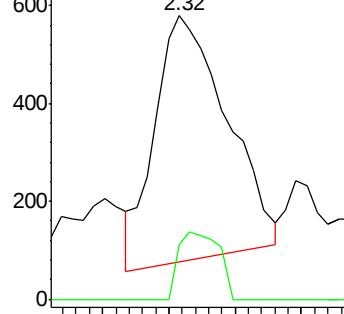
43 100

58 26.4 24.4 36.6

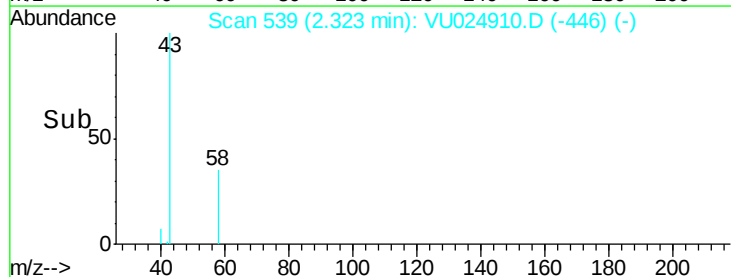


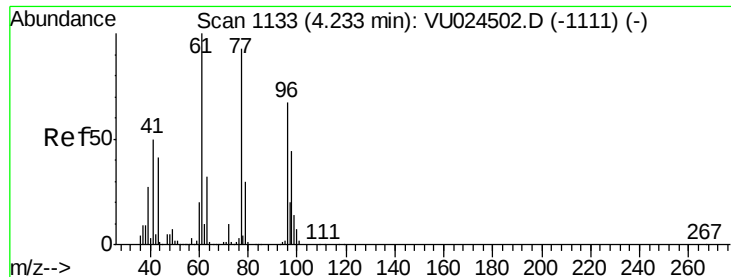
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



Time-->

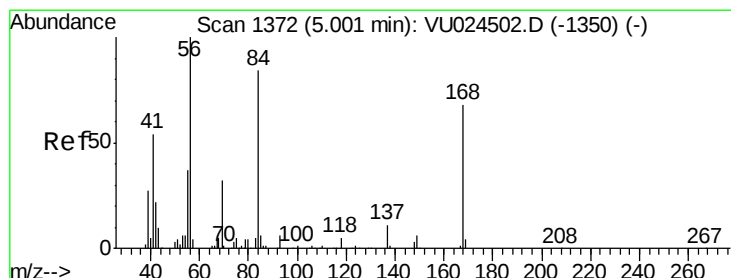
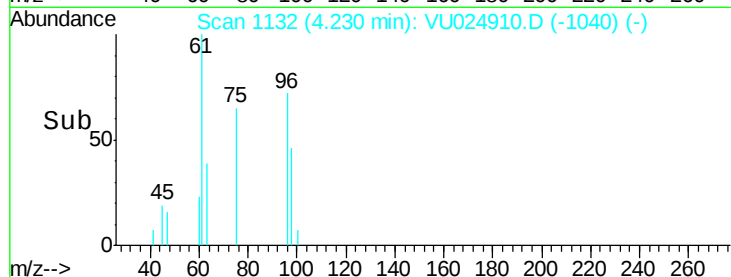
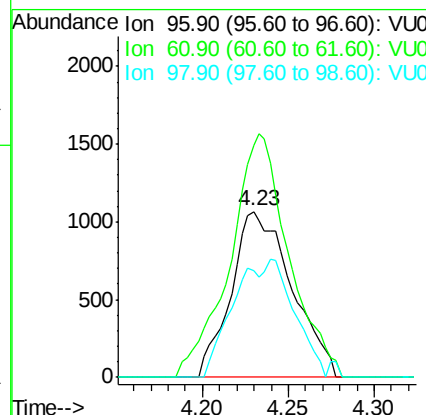
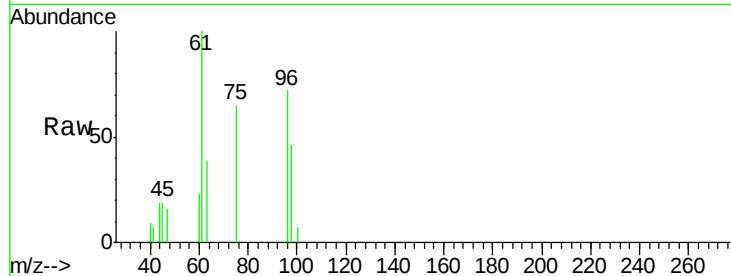




#27
 cis-1,2-Dichloroethene
 Concen: 0.822 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU024910.D
 Acq: 26 Jun 2018 05:51

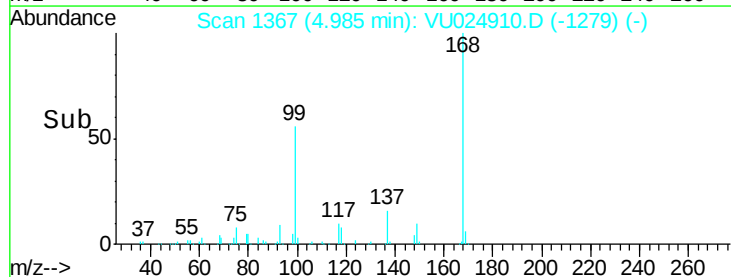
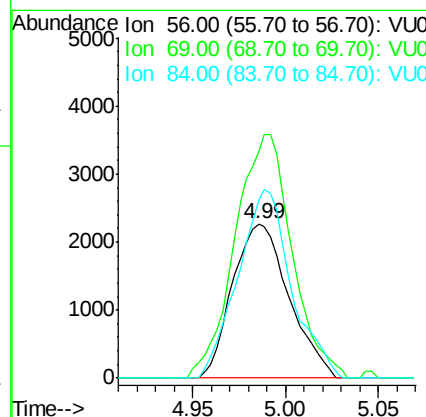
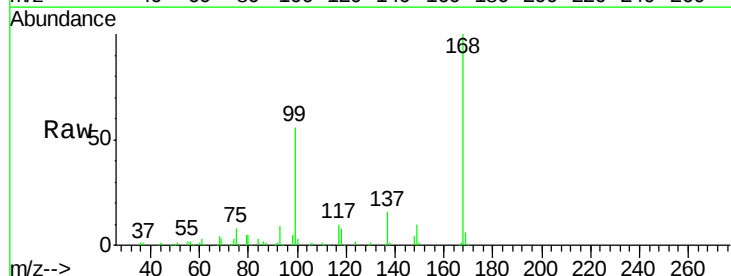
Instrument :
 MSVOA_U
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 WP021SB475-27-29-180620ME

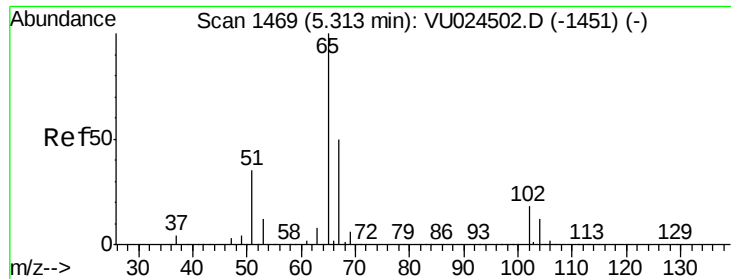
Tgt Ion: 96 Resp: 2623
 Ion Ratio Lower Upper
 96 100
 61 141.7 0.0 306.6
 98 34.0 0.0 128.8



#31
 Cyclohexane
 Concen: Below Cal
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.02 min
 Lab File: VU024910.D
 Acq: 26 Jun 2018 05:51

Tgt Ion: 56 Resp: 4800
 Ion Ratio Lower Upper
 56 100
 69 142.1 24.8 37.2#
 84 115.3 65.2 97.8#





#33

1,2-Dichloroethane-d4

Concen: 45.765 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VU024910.D

Acq: 26 Jun 2018 05:51

Instrument :

MSVOA_U

ClientSampleId :

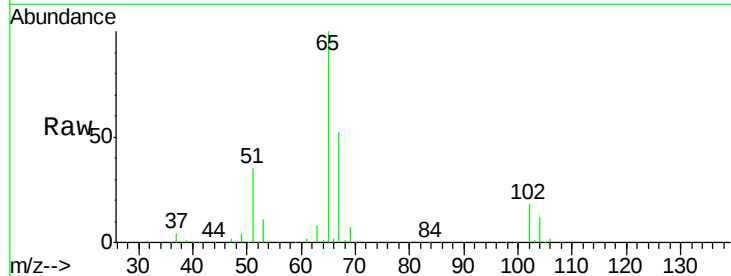
WP021SB475-27-29-180620ME

Tgt Ion: 65 Resp: 165381

Ion Ratio Lower Upper

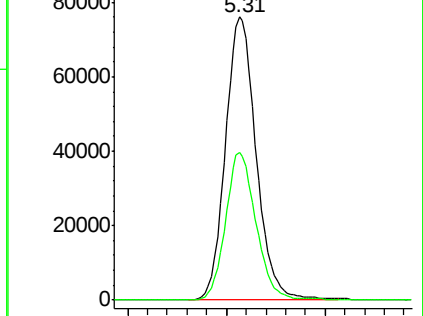
65 100

67 51.3 0.0 107.0

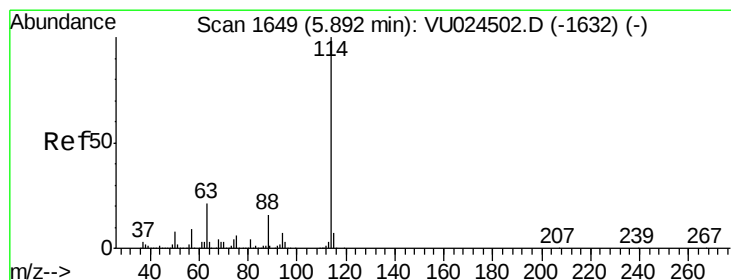
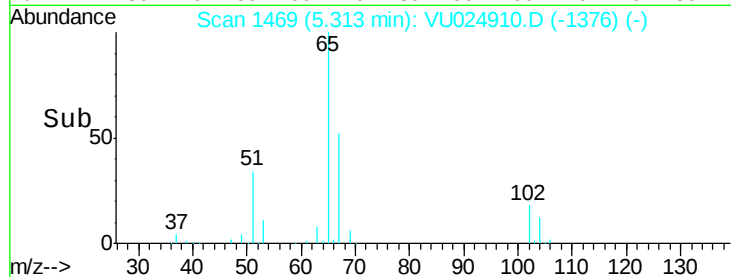


Abundance Ion 64.90 (64.60 to 65.60): VU024910.D (-1376) (-)

Ion 66.90 (66.60 to 67.60): VU024910.D (-1376) (-)



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU024910.D

Acq: 26 Jun 2018 05:51

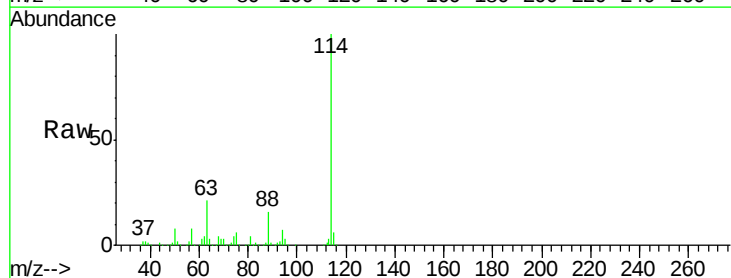
Tgt Ion: 114 Resp: 336526

Ion Ratio Lower Upper

114 100

63 21.2 0.0 45.4

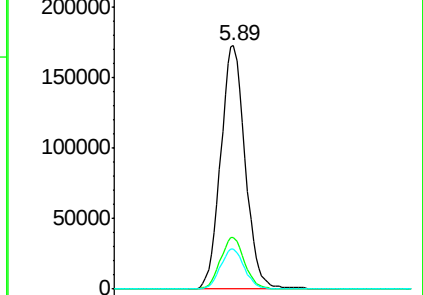
88 16.3 0.0 31.0



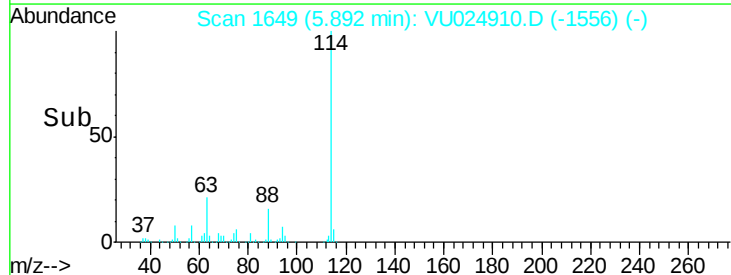
Abundance Ion 113.90 (113.60 to 114.60): VU024910.D (-1556) (-)

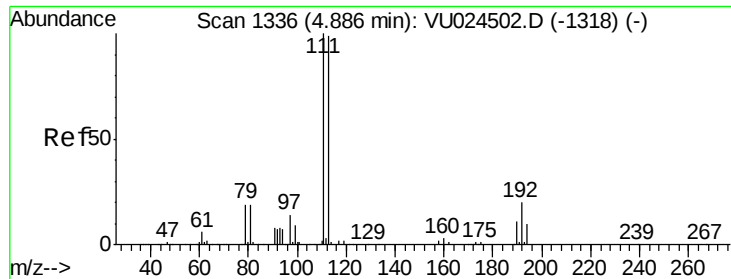
Ion 63.00 (62.70 to 63.70): VU024910.D (-1556) (-)

Ion 87.90 (87.60 to 88.60): VU024910.D (-1556) (-)



Time-->

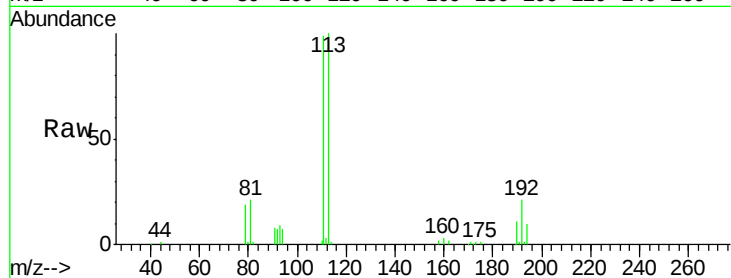




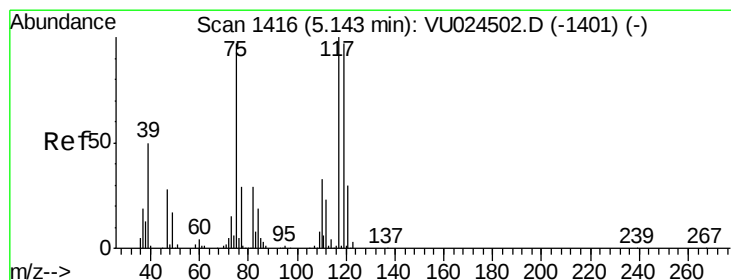
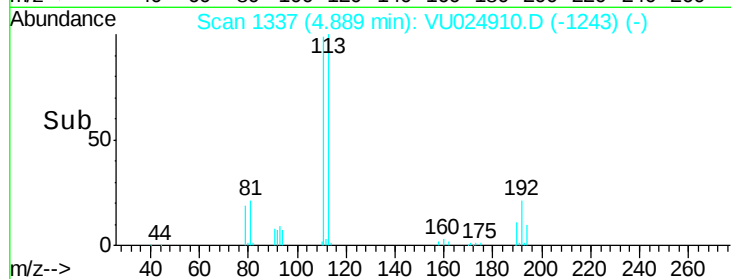
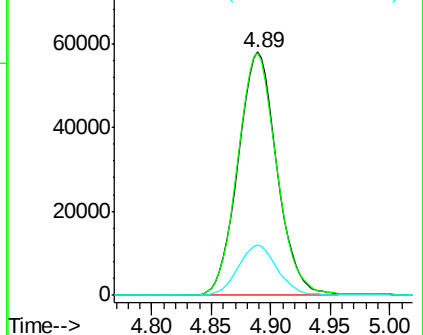
#35
 Dibromofluoromethane
 Concen: 46.907 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024910.D
 Acq: 26 Jun 2018 05:51

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB475-27-29-180620ME

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.2	82.2	123.4
192	20.9	16.2	24.4

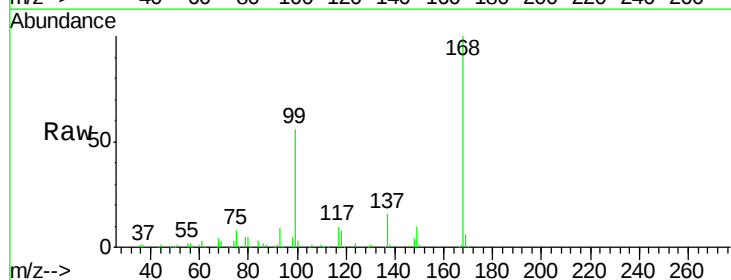


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

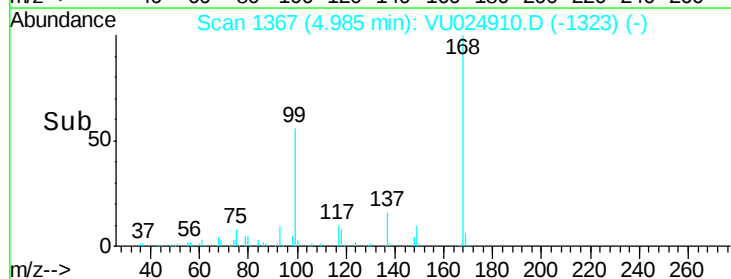
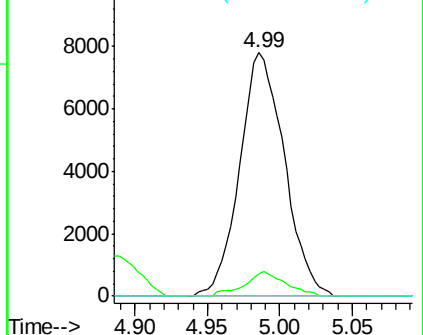


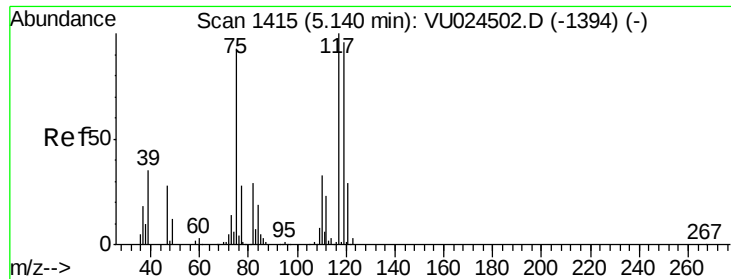
#36
 1,1-Dichloropropene
 Concen: 4.231 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.16 min
 Lab File: VU024910.D
 Acq: 26 Jun 2018 05:51

Tgt 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: 4.770 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024910.D

Acq: 26 Jun 2018 05:51

Instrument :

MSVOA_U

ClientSampleId :

WP021SB475-27-29-180620ME

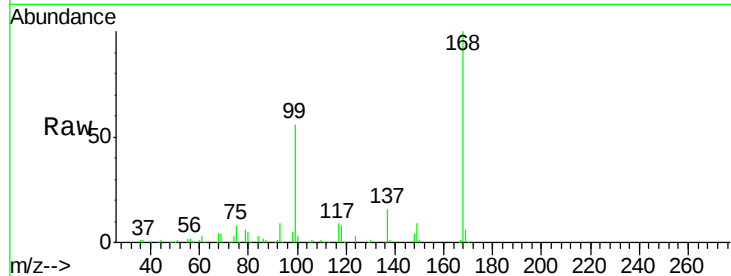
Tgt Ion:117 Resp: 20744

Ion Ratio Lower Upper

117 100

119 4.0 76.1 114.1#

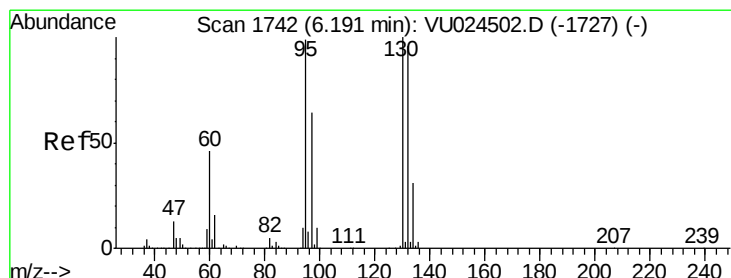
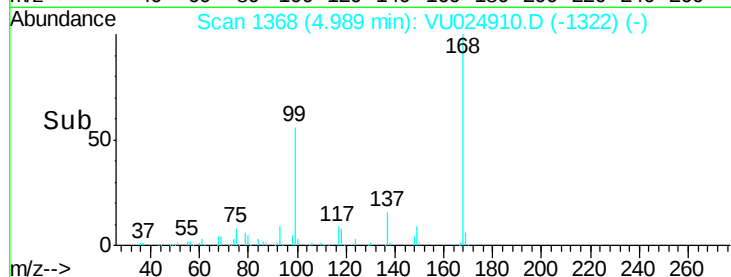
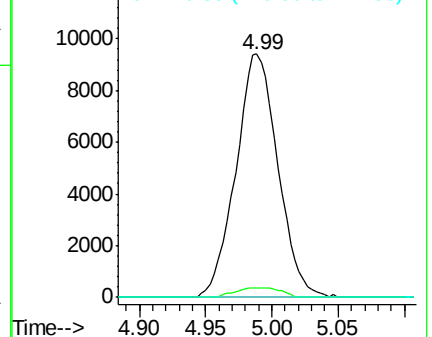
121 0.0 23.7 35.5#



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



#44

Trichloroethene

Concen: 0.301 ug/l

RT: 6.19 min Scan# 1743

Delta R.T. 0.00 min

Lab File: VU024910.D

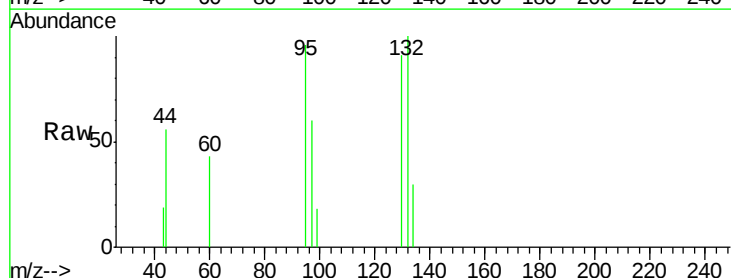
Acq: 26 Jun 2018 05:51

Tgt Ion:130 Resp: 964

Ion Ratio Lower Upper

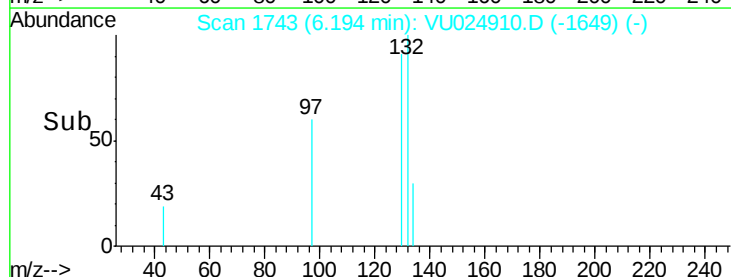
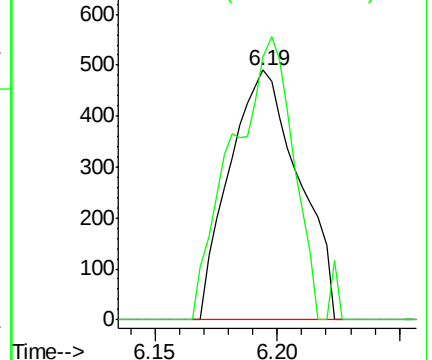
130 100

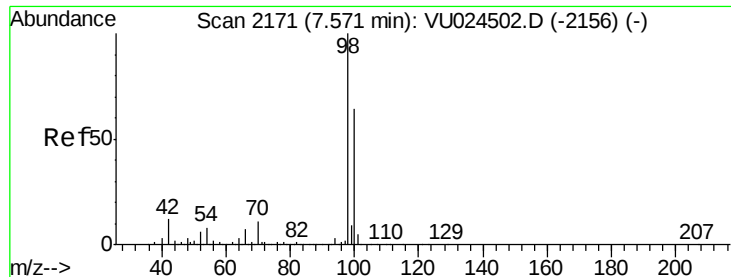
95 105.5 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0





#50

Toluene-d8

Concen: 46.989 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024910.D

Acq: 26 Jun 2018 05:51

Instrument :

MSVOA_U

ClientSampleId :

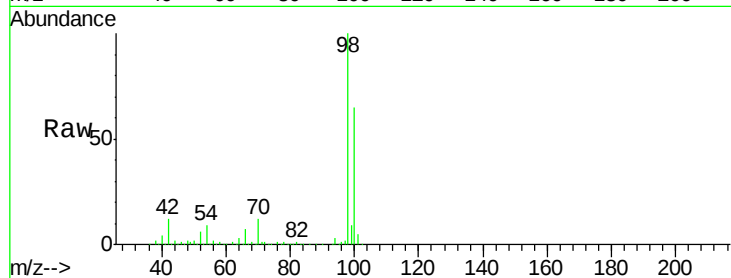
WP021SB475-27-29-180620ME

Tgt Ion: 98 Resp: 478693

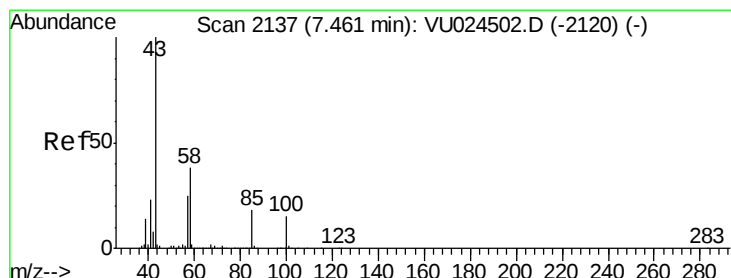
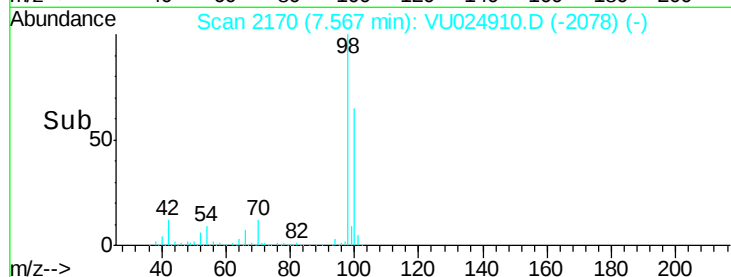
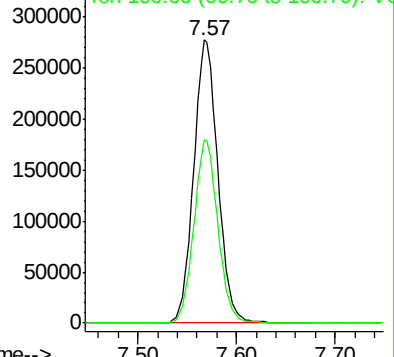
Ion Ratio Lower Upper

98 100

100 64.0 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU024910.D (-2078) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.472 ug/l

RT: 7.57 min Scan# 2172

Delta R.T. 0.11 min

Lab File: VU024910.D

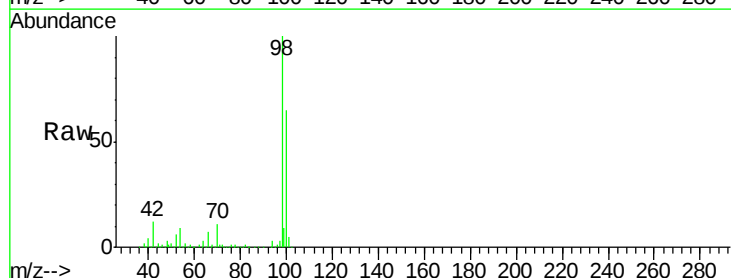
Acq: 26 Jun 2018 05:51

Tgt Ion: 43 Resp: 2211

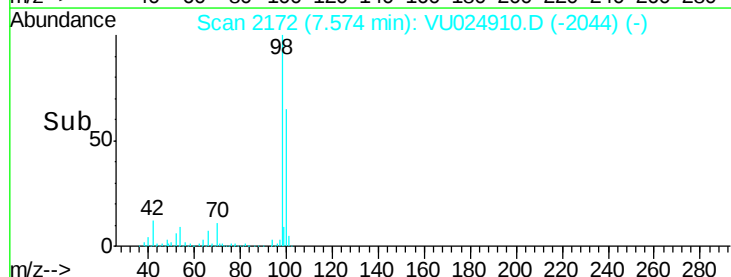
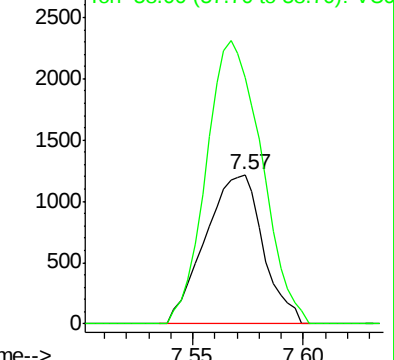
Ion Ratio Lower Upper

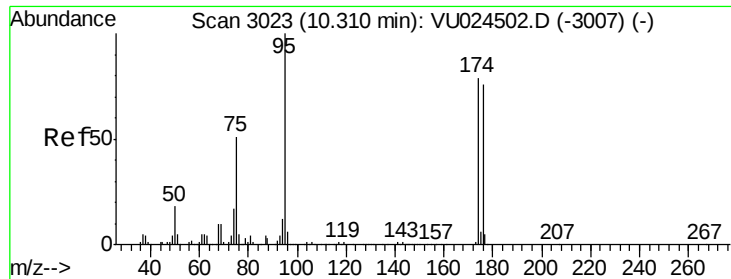
43 100

58 182.1 30.0 45.0#



Abundance Ion 43.00 (42.70 to 43.70): VU024910.D (-2044) (-)

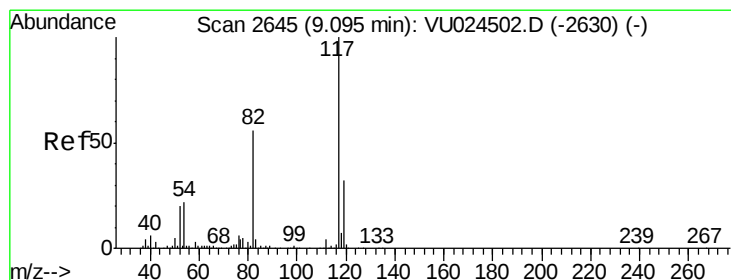
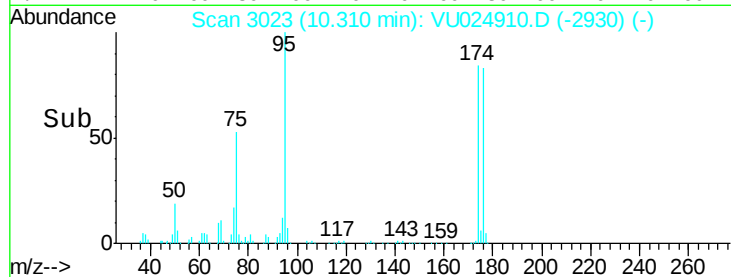
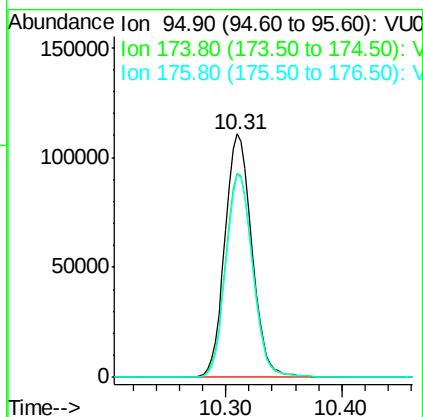
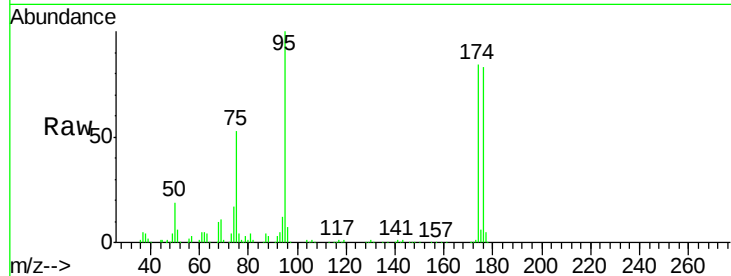




#62
4-Bromofluorobenzene
Concen: 44.032 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU024910.D
Acq: 26 Jun 2018 05:51

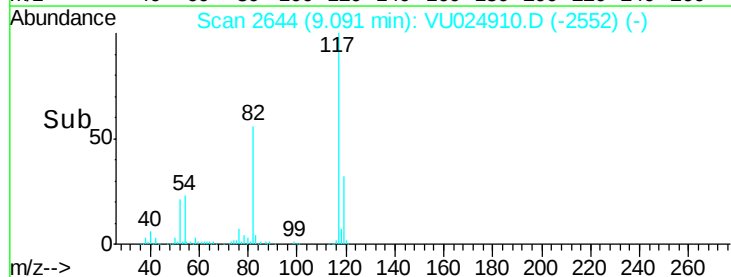
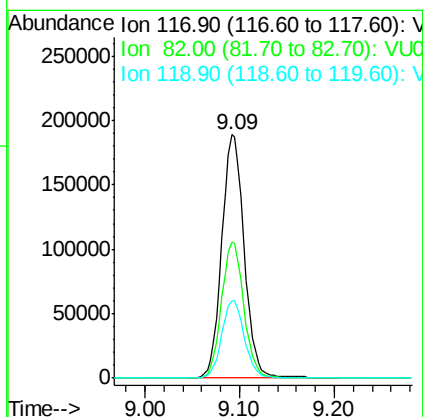
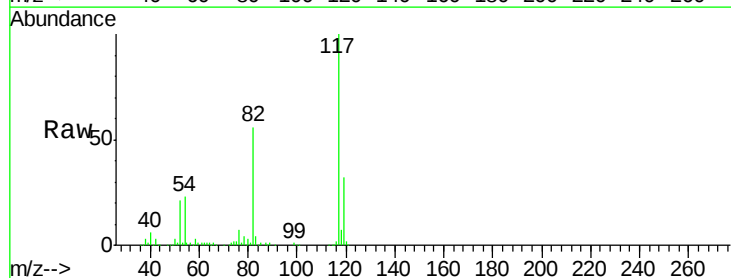
Instrument :
MSVOA_U
ClientSampleId :
WP021SB475-27-29-180620ME

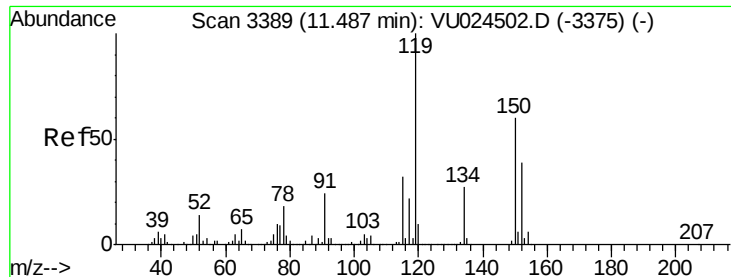
Tgt Ion:	95	Resp:	178101
Ion	Ratio	Lower	Upper
95	100		
174	85.0	0.0	165.8
176	82.6	0.0	159.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024910.D
Acq: 26 Jun 2018 05:51

Tgt Ion:	117	Resp:	311686
Ion	Ratio	Lower	Upper
117	100		
82	55.9	44.3	66.5
119	31.8	25.4	38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU024910.D

Acq: 26 Jun 2018 05:51

Instrument :

MSVOA_U

ClientSampleId :

WP021SB475-27-29-180620ME

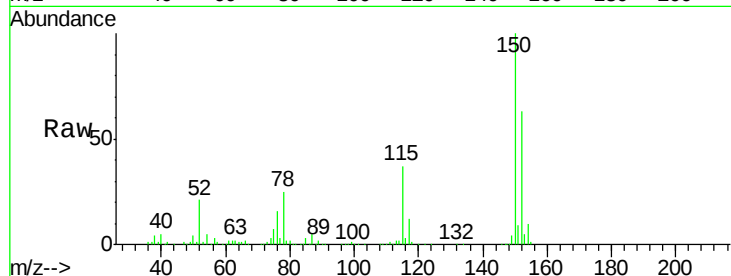
Tgt Ion:152 Resp: 164043

Ion Ratio Lower Upper

152 100

115 58.2 43.0 129.0

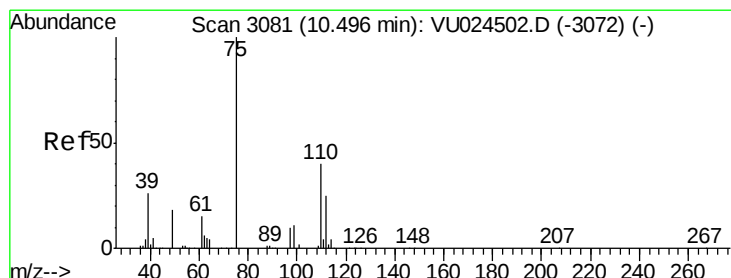
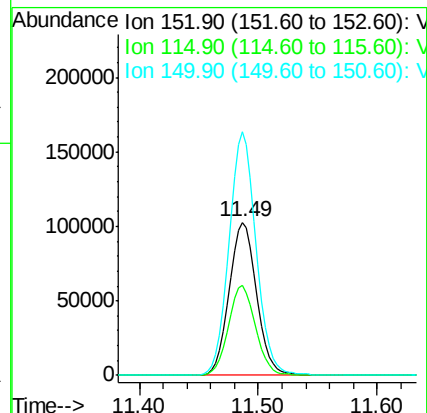
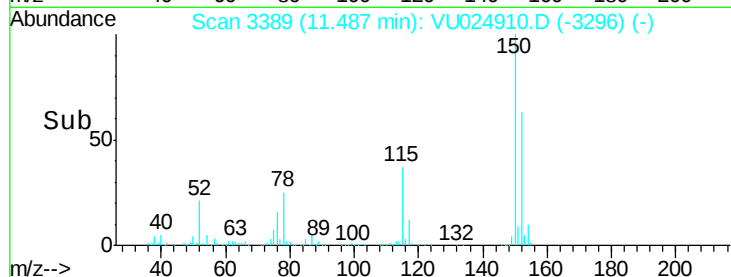
150 156.4 0.0 354.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 25.964 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024910.D

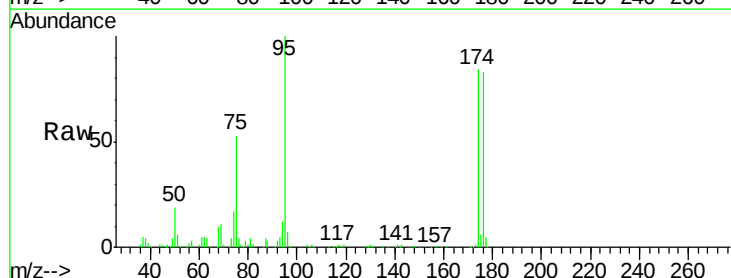
Acq: 26 Jun 2018 05:51

Tgt Ion: 75 Resp: 93773

Ion Ratio Lower Upper

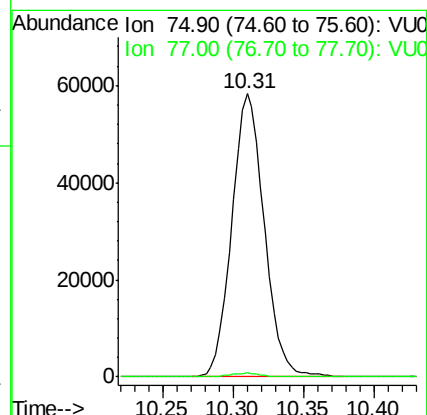
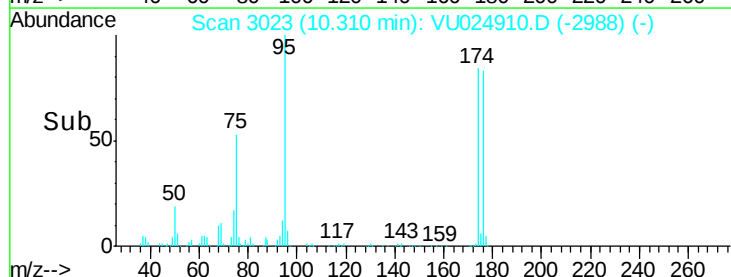
75 100

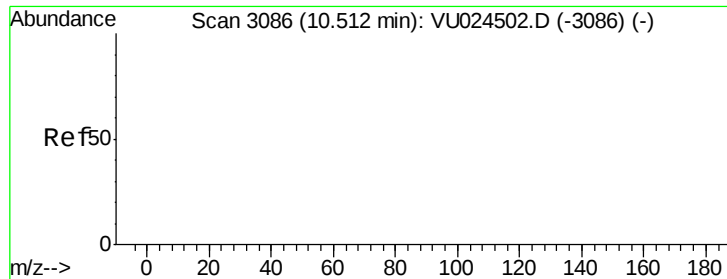
77 1.2 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#81

trans-1,4-Dichloro-2-butene

Concen: 60.092 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024910.D

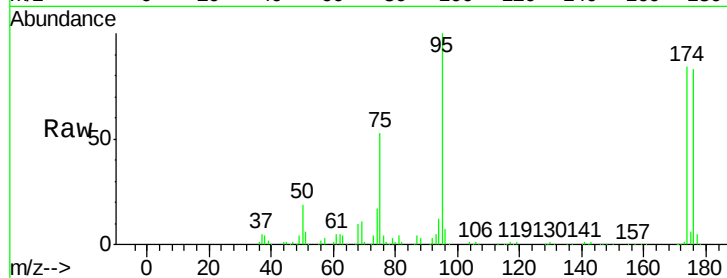
Acq: 26 Jun 2018 05:51

Instrument :

MSVOA_U

ClientSampleId :

WP021SB475-27-29-180620ME



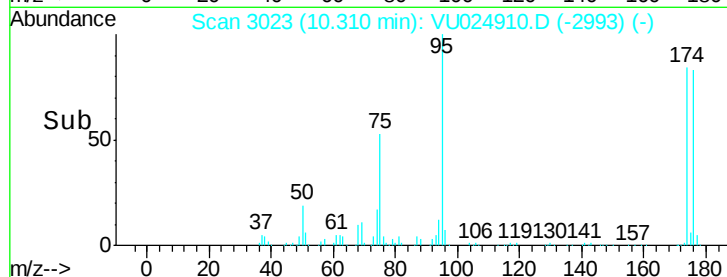
Tgt Ion: 75 Resp: 93773

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

