

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062718\
 Data File : VU024950.D
 Acq On : 27 Jun 2018 03:35
 Operator : MD/SY
 Sample : J3664-20ME 20X
 Misc : 5.97g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB471-27-29-180619ME

Quant Time: Jun 27 04:19:43 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	202289	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	311565	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	289308	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	154510	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	155413	47.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.12%	
35) Dibromofluoromethane	4.89	113	121536	47.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.00%	
50) Toluene-d8	7.57	98	449145	47.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.24%	
62) 4-Bromofluorobenzene	10.31	95	168350	44.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.92%	

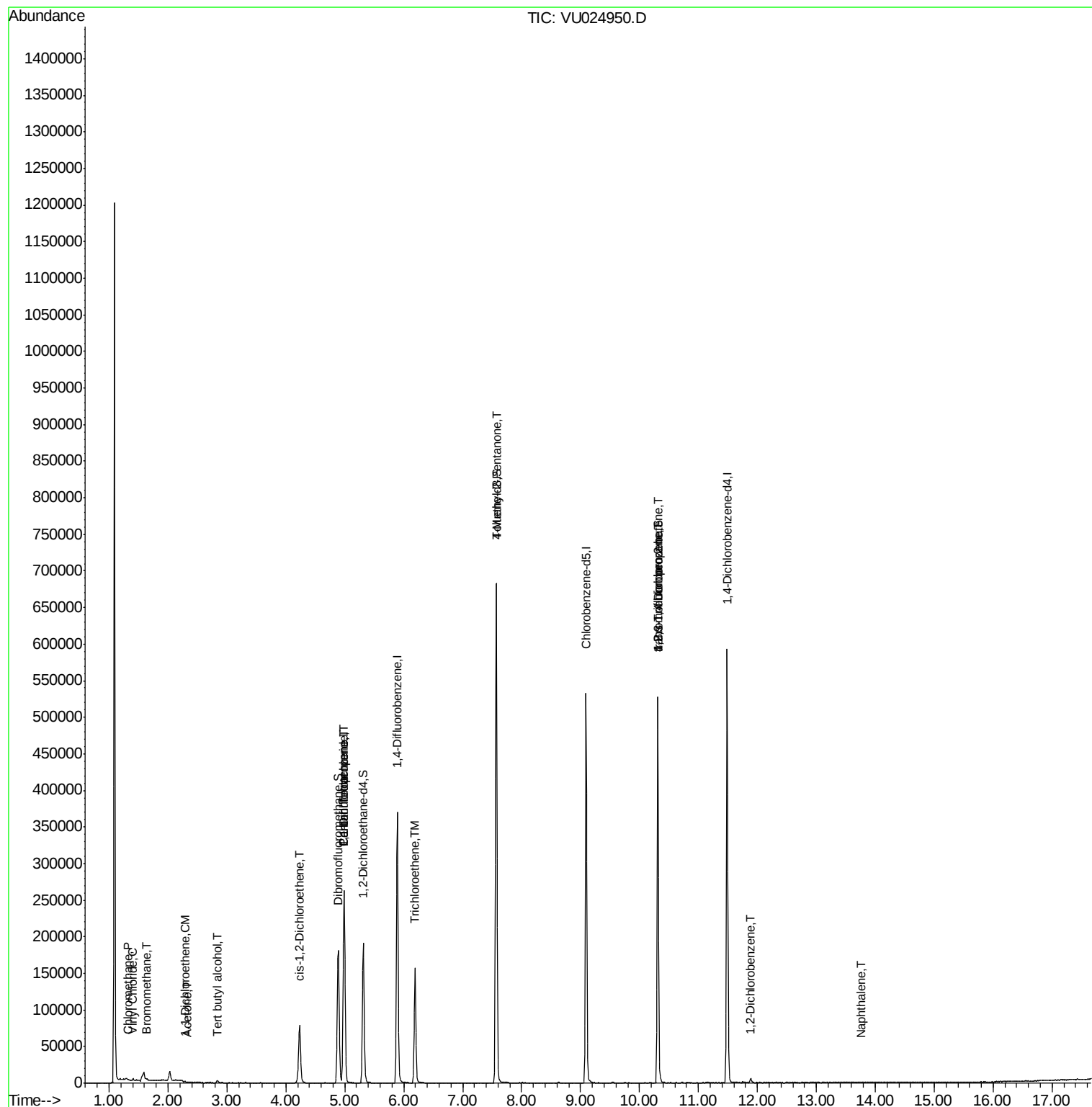
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	645	0.249	ug/l #	78
4) Vinyl Chloride	1.40	62	1031	0.386	ug/l	96
5) Bromomethane	1.63	94	320	0.248	ug/l #	75
6) Chloroethane	1.71	64	61	Below Cal	#	43
11) Tert butyl alcohol	2.83	59	1512	1.883	ug/l #	72
12) 1,1-Dichloroethene	2.29	96	486	0.211	ug/l #	84
16) Acetone	2.32	43	1036	0.584	ug/l #	44
27) cis-1,2-Dichloroethene	4.23	96	44614	15.297	ug/l	87
31) Cyclohexane	4.99	56	4343	Below Cal	#	13
36) 1,1-Dichloropropene	4.99	75	14941	4.081	ug/l #	51
38) Carbon Tetrachloride	4.99	117	19076	4.738	ug/l #	15
44) Trichloroethene	6.19	130	55675	18.752	ug/l	100
51) 4-Methyl-2-Pentanone	7.57	43	2153	0.497	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	89499	26.310	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	89499	60.892	ug/l #	100
91) 1,2-Dichlorobenzene	11.89	146	2924	0.526	ug/l	97
95) Naphthalene	13.76	128	139	0.691	ug/l #	69

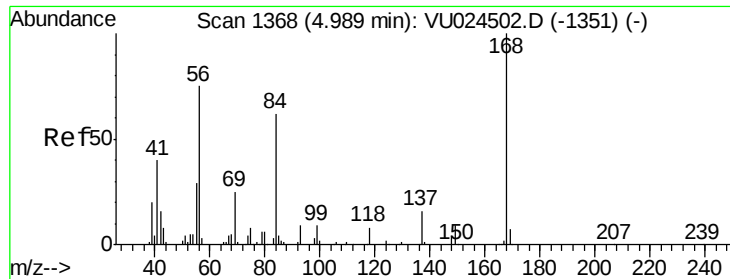
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024950.D

Acq: 27 Jun 2018 03:35

Instrument :

MSVOA_U

ClientSampleId :

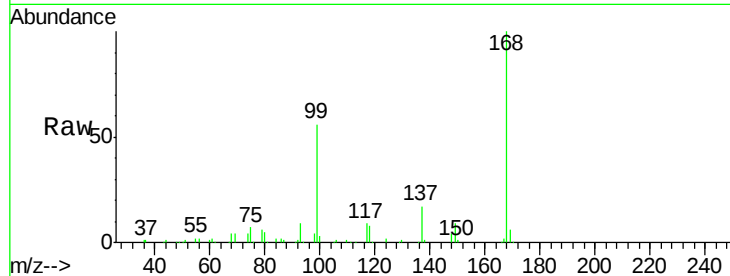
WP021SB471-27-29-180619ME

Tgt Ion:168 Resp: 202289

Ion Ratio Lower Upper

168 100

99 55.9 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024950.D

Ion 98.90 (98.60 to 99.60): VU024950.D

4.99

100000

80000

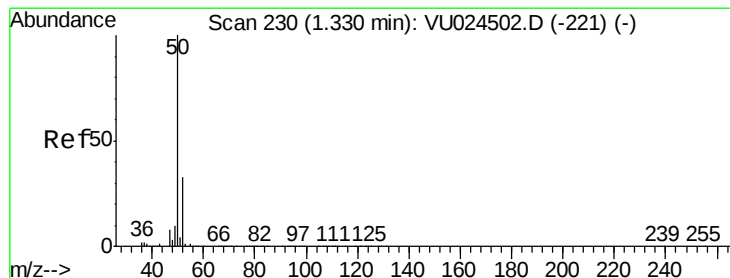
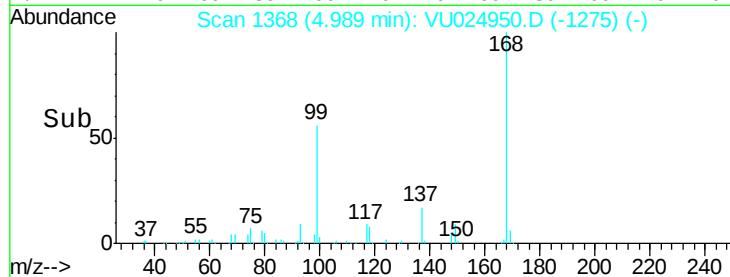
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.249 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU024950.D

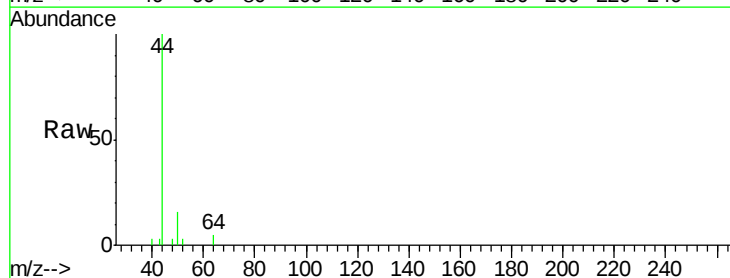
Acq: 27 Jun 2018 03:35

Tgt Ion: 50 Resp: 645

Ion Ratio Lower Upper

50 100

52 20.7 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VU024950.D

Ion 51.90 (51.60 to 52.60): VU024950.D

1.33

800

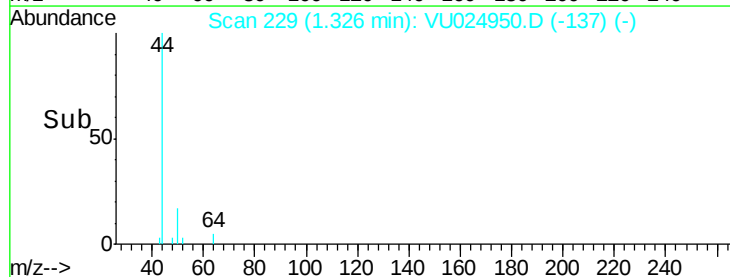
600

400

200

0

Time-->





#4

Vinyl Chloride

Concen: 0.386 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU024950.D

Acq: 27 Jun 2018 03:35

Instrument :

MSVOA_U

ClientSampleId :

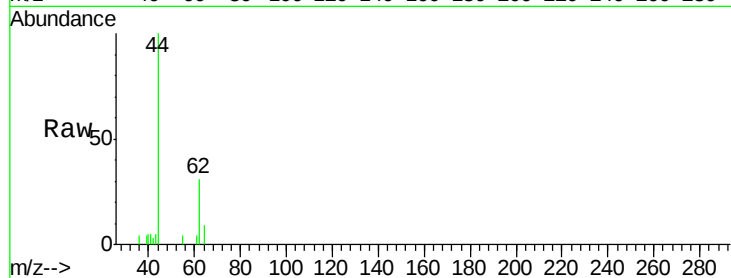
WP021SB471-27-29-180619ME

Tgt Ion: 62 Resp: 1031

Ion Ratio Lower Upper

62 100

64 28.6 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

1200

1000

800

600

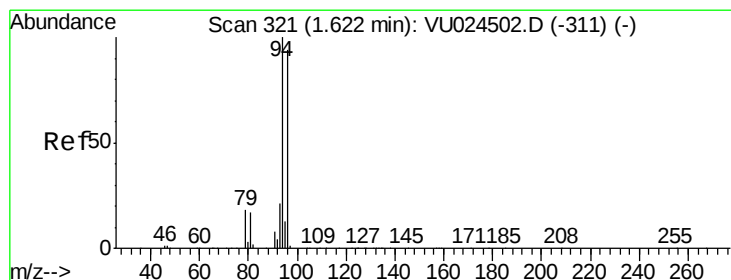
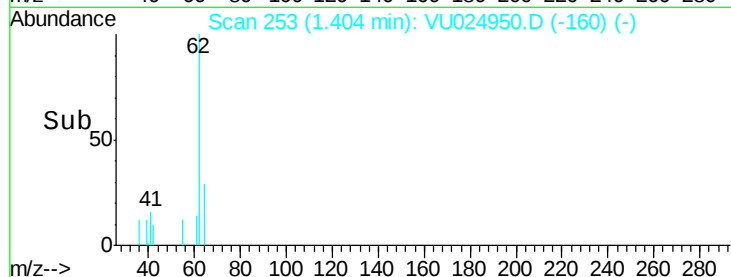
400

200

0

1.38 1.40 1.42 1.44

Time-->



#5

Bromomethane

Concen: 0.248 ug/l

RT: 1.63 min Scan# 323

Delta R.T. 0.01 min

Lab File: VU024950.D

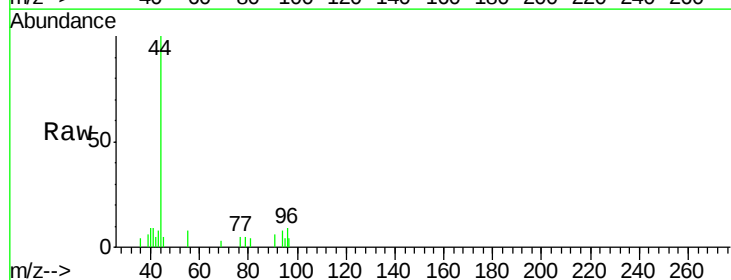
Acq: 27 Jun 2018 03:35

Tgt Ion: 94 Resp: 320

Ion Ratio Lower Upper

94 100

96 116.9 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

300

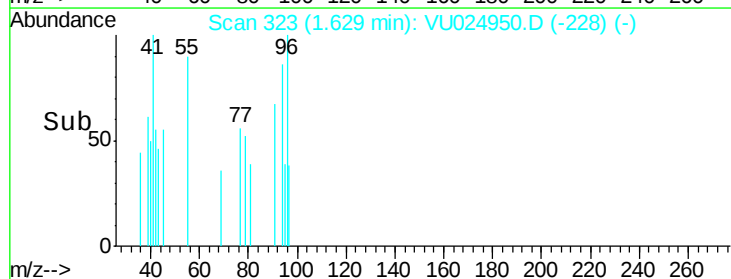
200

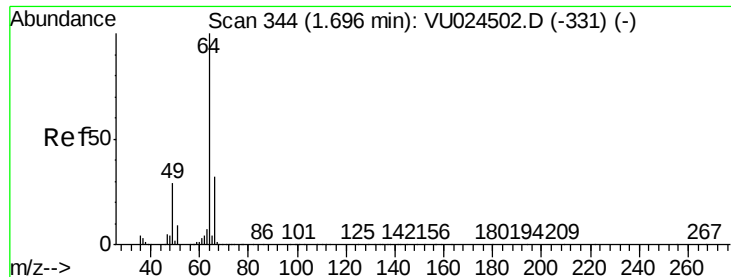
100

0

1.60 1.62 1.64

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 347

Delta R.T. 0.01 min

Lab File: VU024950.D

Acq: 27 Jun 2018 03:35

Instrument :

MSVOA_U

ClientSampleId :

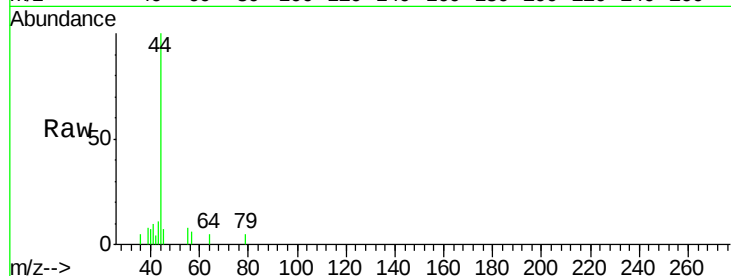
WP021SB471-27-29-180619ME

Tgt Ion: 64 Resp: 61

Ion Ratio Lower Upper

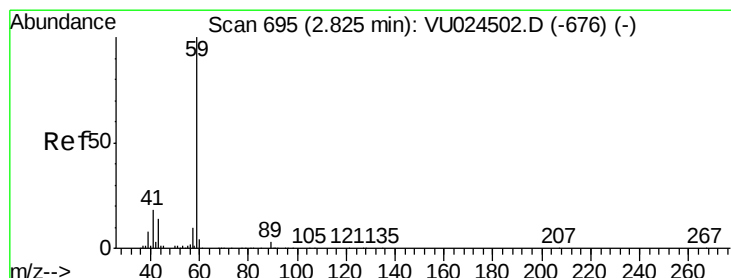
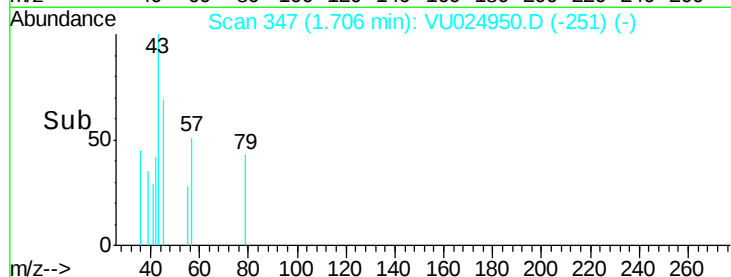
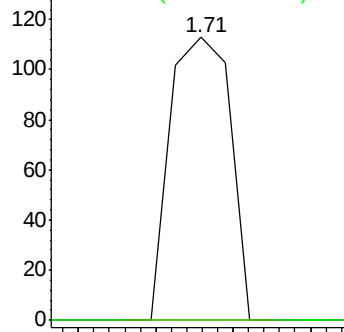
64 100

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



#11

Tert butyl alcohol

Concen: 1.883 ug/l

RT: 2.83 min Scan# 698

Delta R.T. 0.01 min

Lab File: VU024950.D

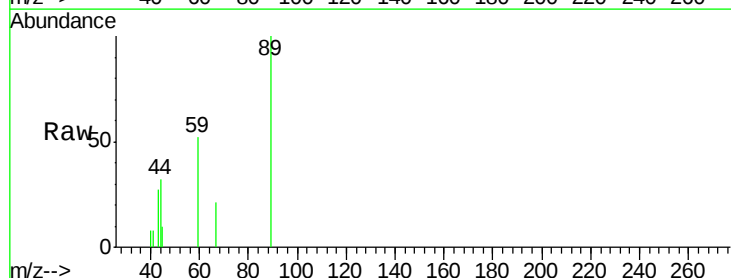
Acq: 27 Jun 2018 03:35

Tgt Ion: 59 Resp: 1512

Ion Ratio Lower Upper

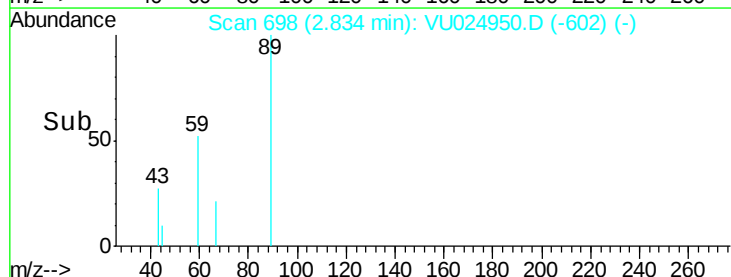
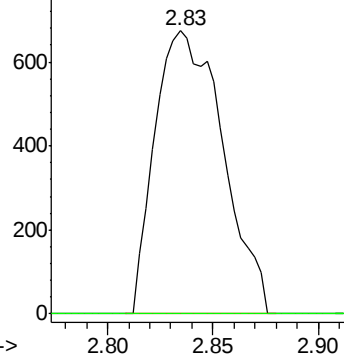
59 100

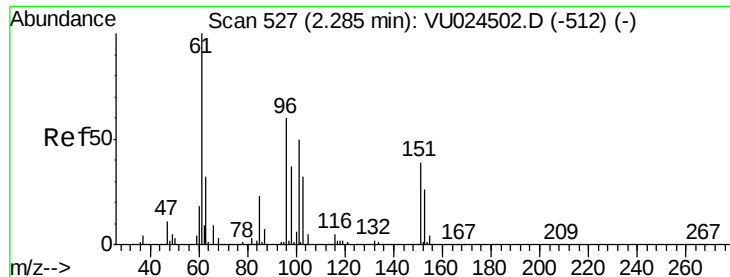
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

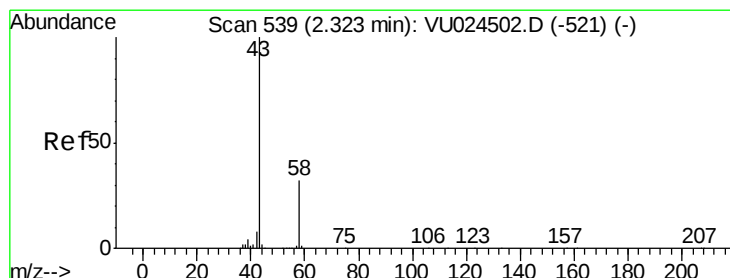
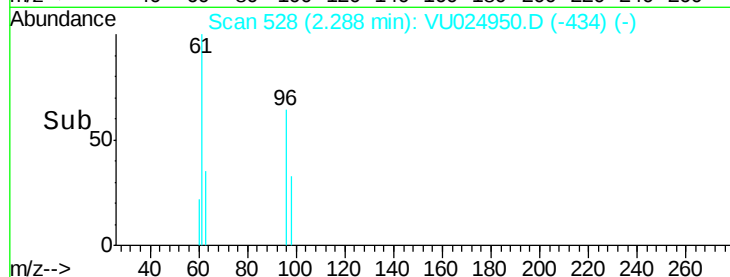
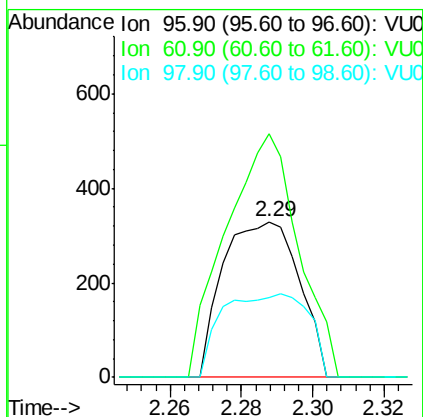
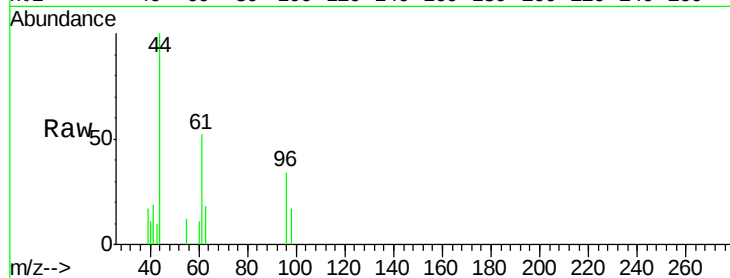




#12
 1,1-Dichloroethene
 Concen: 0.211 ug/l
 RT: 2.29 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VU024950.D
 Acq: 27 Jun 2018 03:35

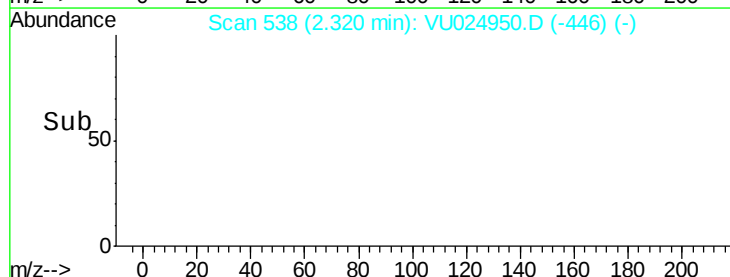
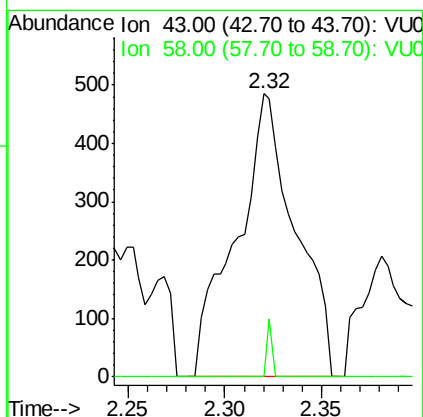
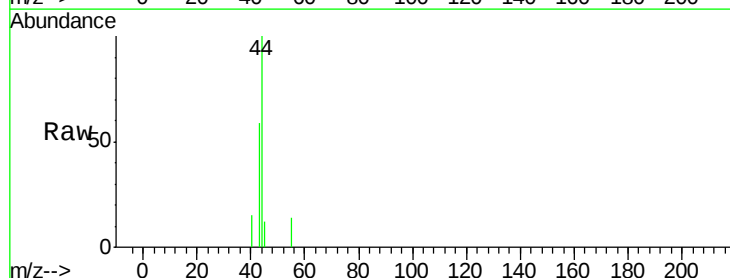
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB471-27-29-180619ME

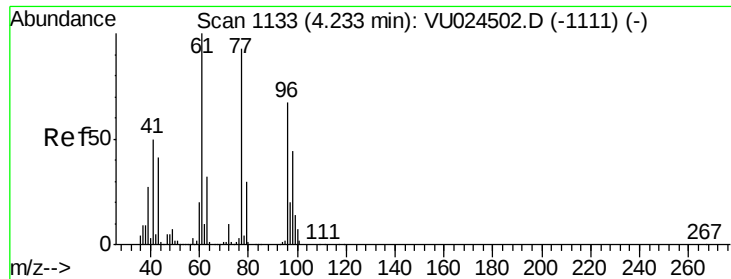
Tgt Ion: 96 Resp: 486
 Ion Ratio Lower Upper
 96 100
 61 156.1 141.7 212.5
 98 50.9 51.6 77.4#



#16
 Acetone
 Concen: 0.584 ug/l
 RT: 2.32 min Scan# 538
 Delta R.T. -0.00 min
 Lab File: VU024950.D
 Acq: 27 Jun 2018 03:35

Tgt Ion: 43 Resp: 1036
 Ion Ratio Lower Upper
 43 100
 58 0.0 24.4 36.6#





#27

cis-1,2-Dichloroethene

Concen: 15.297 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VU024950.D

Acq: 27 Jun 2018 03:35

Instrument :

MSVOA_U

ClientSampleId :

WP021SB471-27-29-180619ME

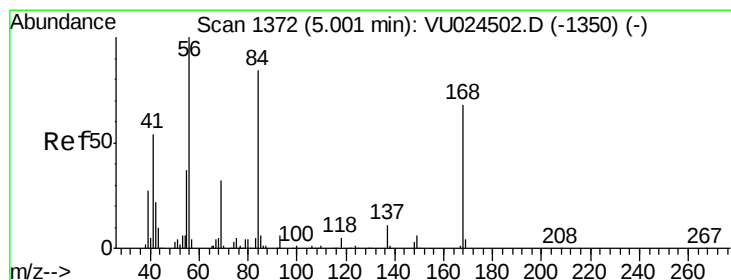
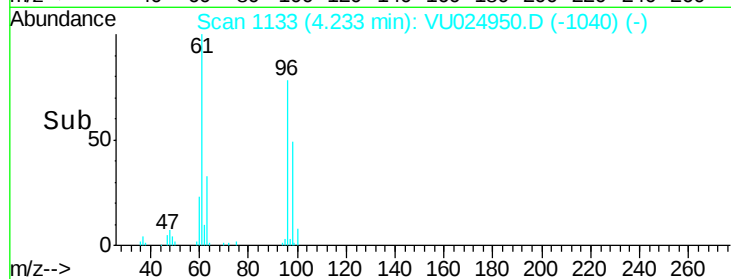
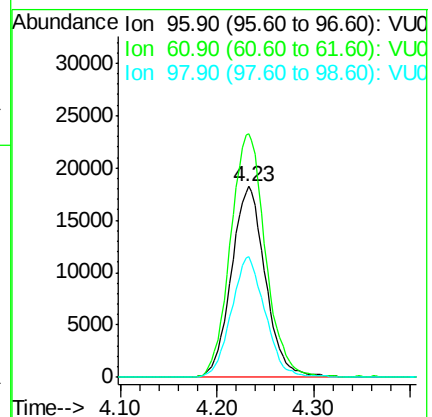
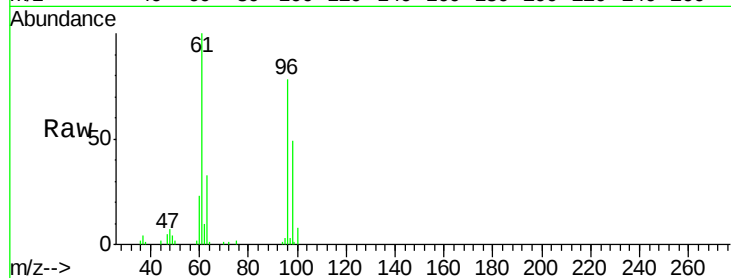
Tgt Ion: 96 Resp: 44614

Ion Ratio Lower Upper

96 100

61 130.9 0.0 306.6

98 62.5 0.0 128.8



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VU024950.D

Acq: 27 Jun 2018 03:35

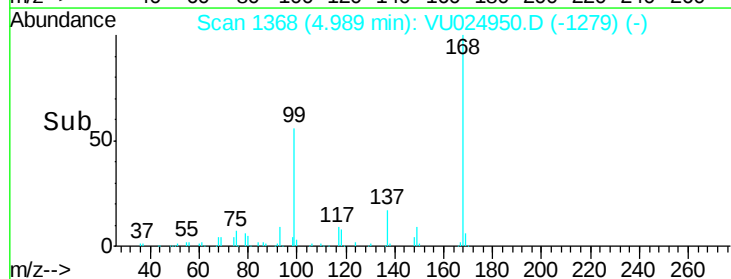
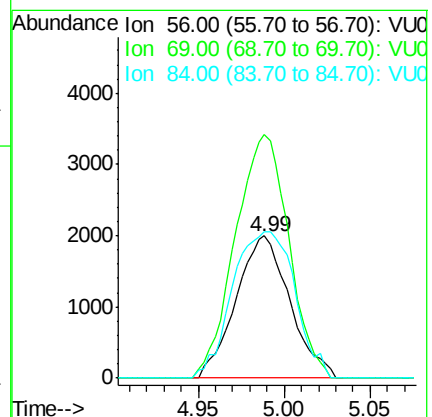
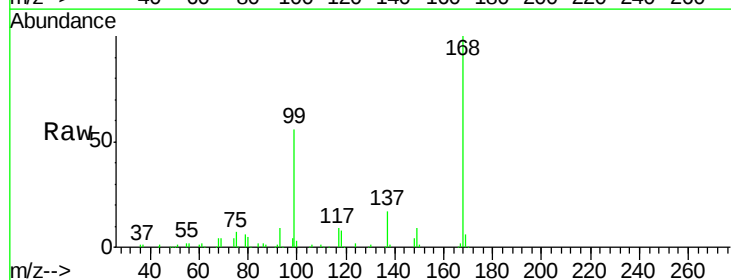
Tgt Ion: 56 Resp: 4343

Ion Ratio Lower Upper

56 100

69 171.1 24.8 37.2#

84 102.7 65.2 97.8#





#33

1,2-Dichloroethane-d4

Concen: 47.060 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VU024950.D

Acq: 27 Jun 2018 03:35

Instrument :

MSVOA_U

ClientSampleId :

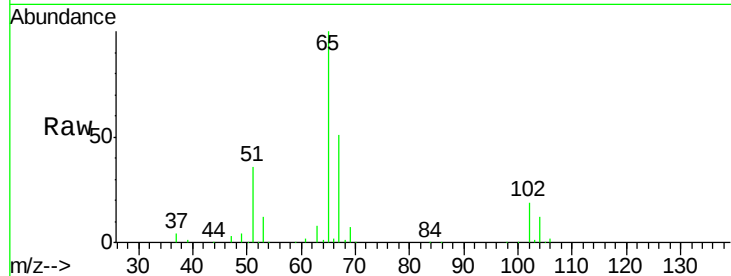
WP021SB471-27-29-180619ME

Tgt Ion: 65 Resp: 155413

Ion Ratio Lower Upper

65 100

67 51.5 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU024950.D (-1376) (-)

Ion 66.90 (66.60 to 67.60): VU024950.D (-1376) (-)

5.31

80000

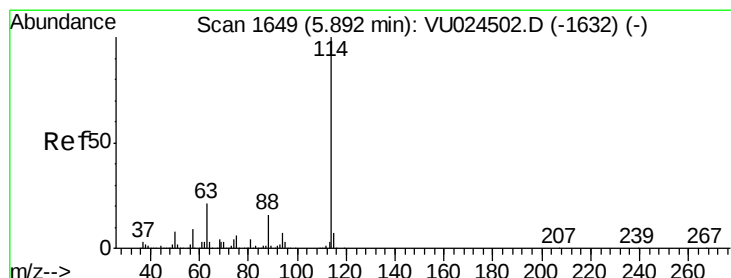
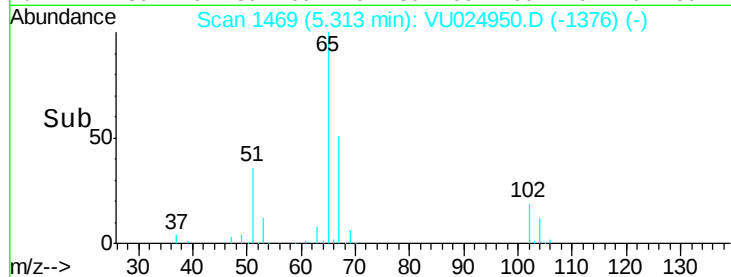
60000

40000

20000

0

Time--> 5.20 5.25 5.30 5.35 5.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU024950.D

Acq: 27 Jun 2018 03:35

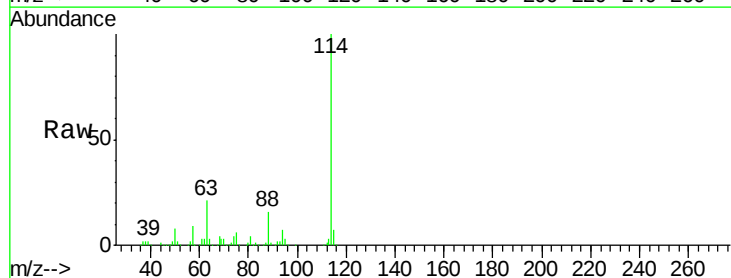
Tgt Ion: 114 Resp: 311565

Ion Ratio Lower Upper

114 100

63 21.0 0.0 45.4

88 16.1 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VU024950.D (-1556) (-)

Ion 63.00 (62.70 to 63.70): VU024950.D (-1556) (-)

Ion 87.90 (87.60 to 88.60): VU024950.D (-1556) (-)

5.89

200000

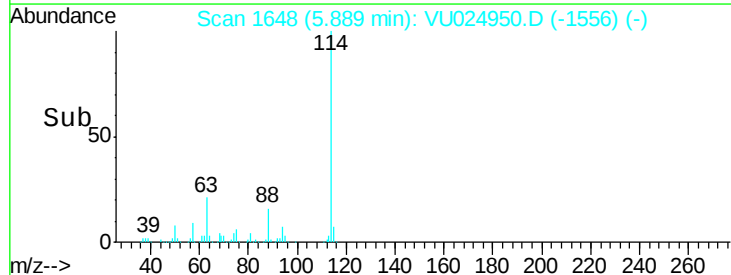
150000

100000

50000

0

Time--> 5.80 5.90 6.00

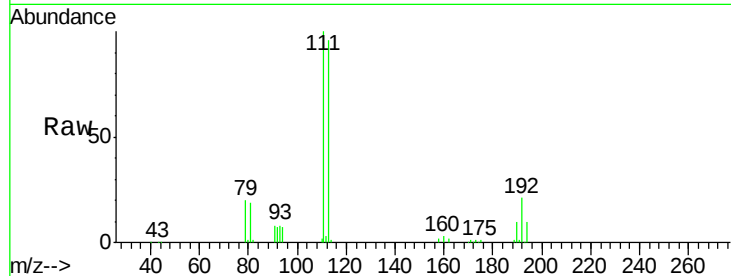




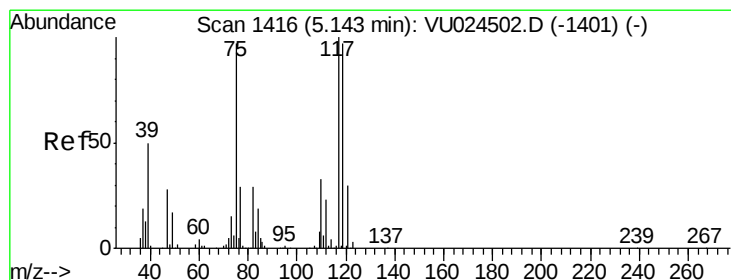
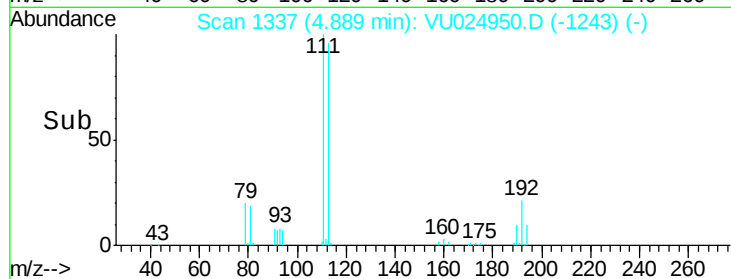
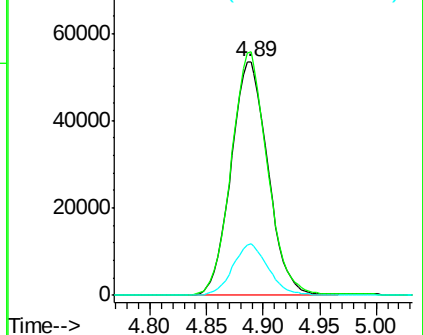
#35
 Dibromofluoromethane
 Concen: 47.002 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024950.D
 Acq: 27 Jun 2018 03:35

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB471-27-29-180619ME

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.2	123.4
192	21.3	16.2	24.4

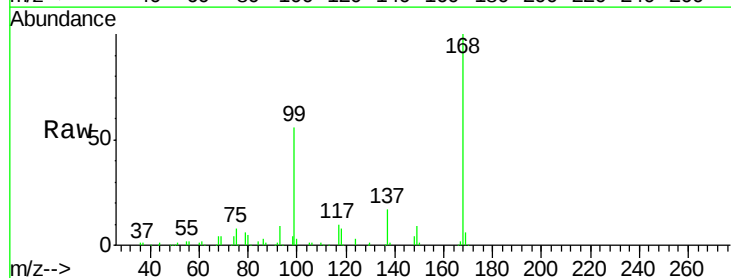


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

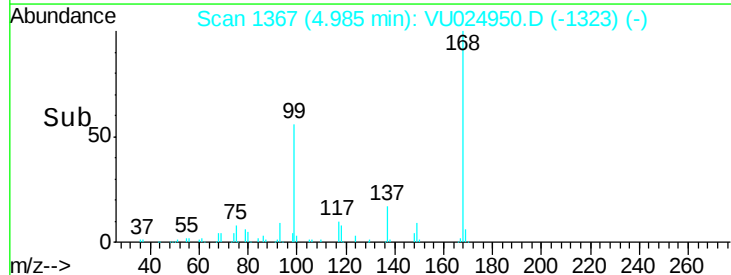
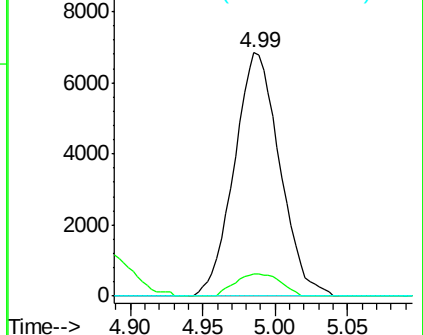


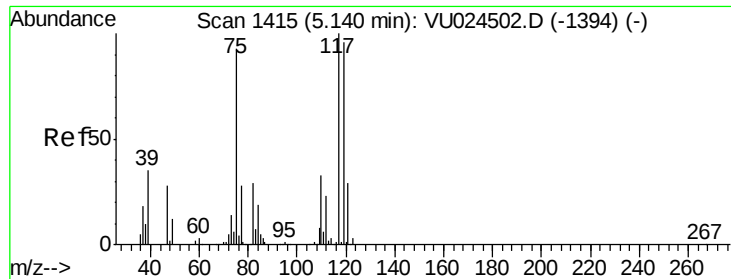
#36
 1,1-Dichloropropene
 Concen: 4.081 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.16 min
 Lab File: VU024950.D
 Acq: 27 Jun 2018 03:35

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: 4.738 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.15 min

Lab File: VU024950.D

Acq: 27 Jun 2018 03:35

Instrument :

MSVOA_U

ClientSampleId :

WP021SB471-27-29-180619ME

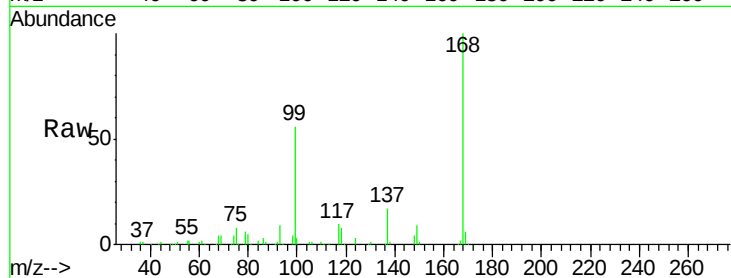
Tgt Ion:117 Resp: 19076

Ion Ratio Lower Upper

117 100

119 3.6 76.1 114.1#

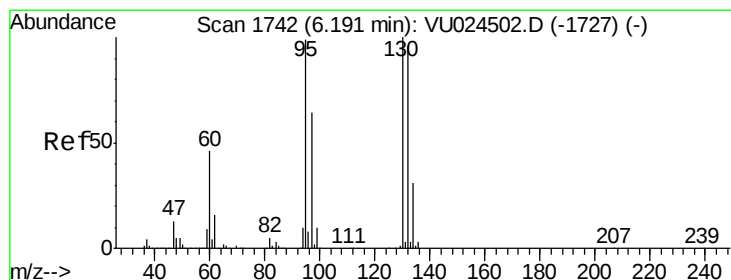
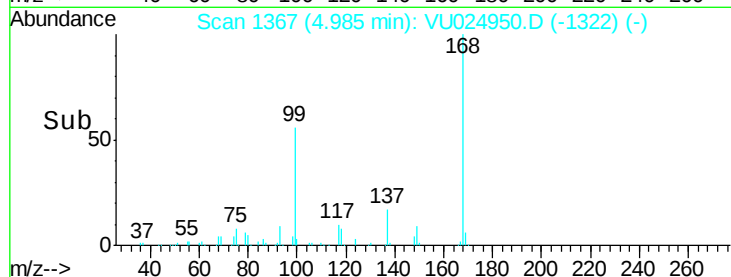
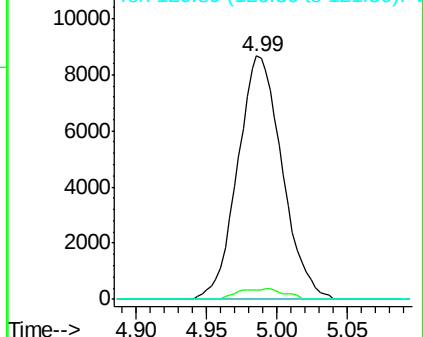
121 0.0 23.7 35.5#



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: 18.752 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU024950.D

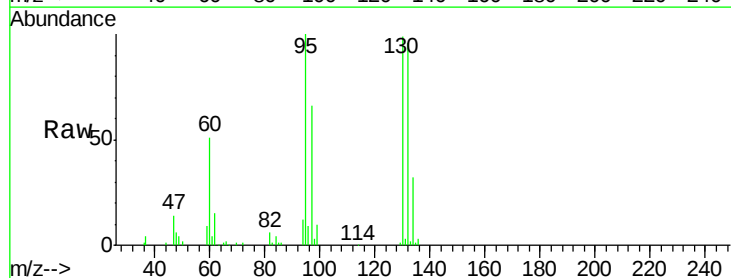
Acq: 27 Jun 2018 03:35

Tgt Ion:130 Resp: 55675

Ion Ratio Lower Upper

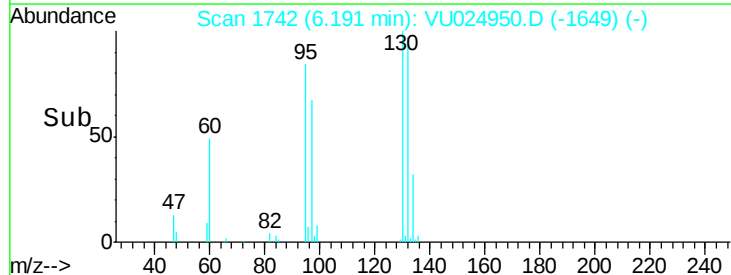
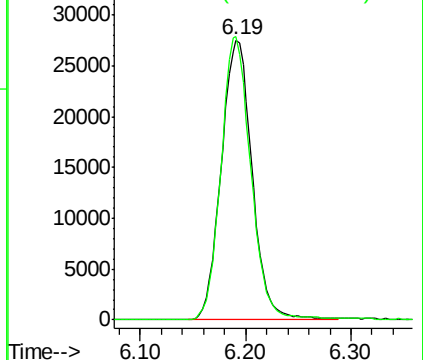
130 100

95 101.2 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0

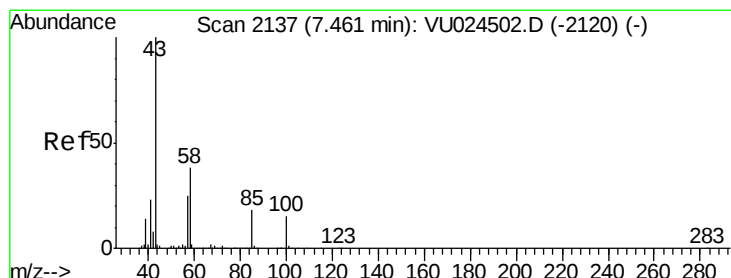
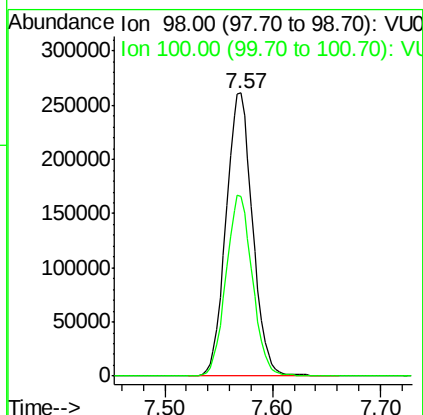
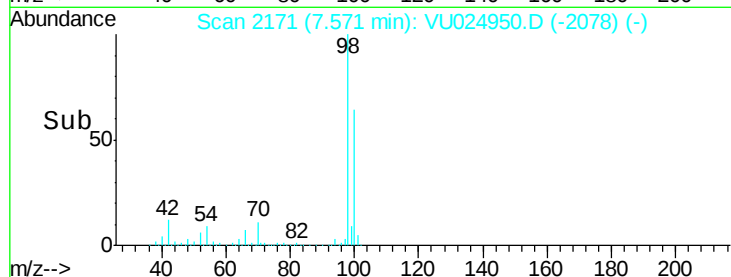
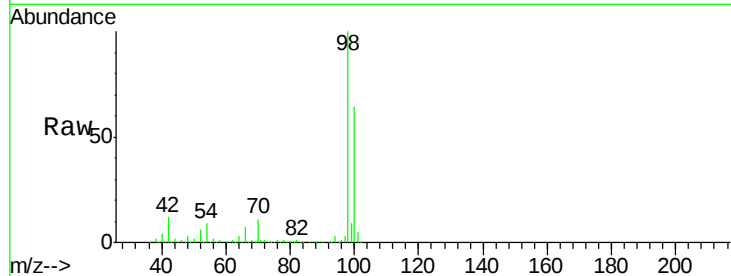




#50
Toluene-d8
Concen: 47.620 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU024950.D
Acq: 27 Jun 2018 03:35

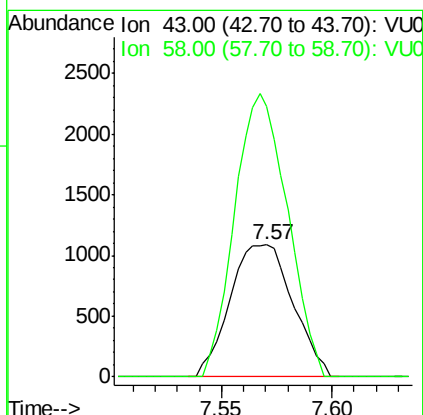
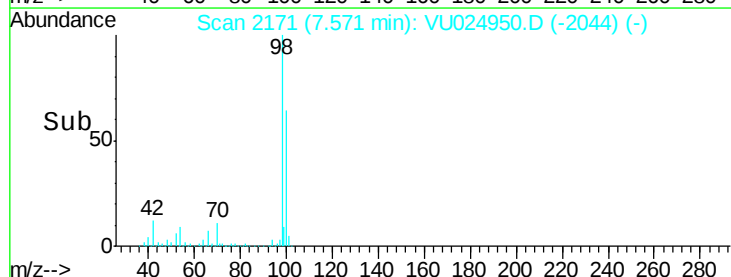
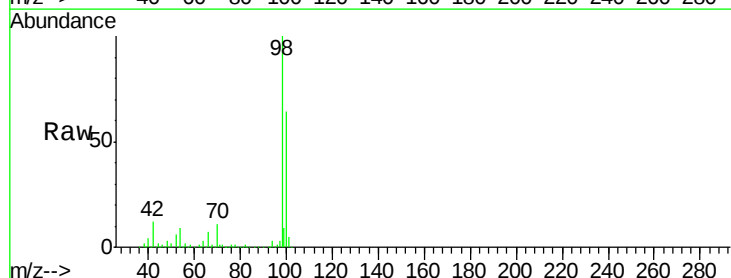
Instrument :
MSVOA_U
ClientSampleId :
WP021SB471-27-29-180619ME

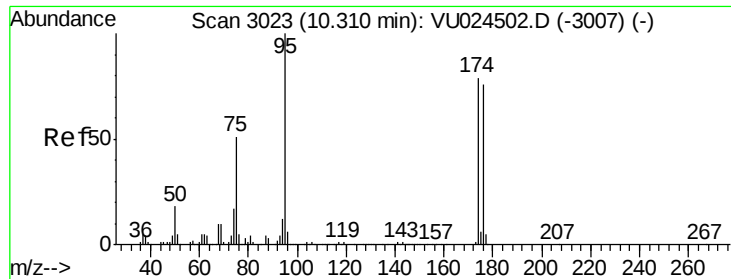
Tgt Ion: 98 Resp: 449145
Ion Ratio Lower Upper
98 100
100 63.7 51.1 76.7



#51
4-Methyl-2-Pentanone
Concen: 0.497 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.11 min
Lab File: VU024950.D
Acq: 27 Jun 2018 03:35

Tgt Ion: 43 Resp: 2153
Ion Ratio Lower Upper
43 100
58 179.6 30.0 45.0#





#62

4-Bromofluorobenzene

Concen: 44.956 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024950.D

Acq: 27 Jun 2018 03:35

Instrument :

MSVOA_U

ClientSampleId :

WP021SB471-27-29-180619ME

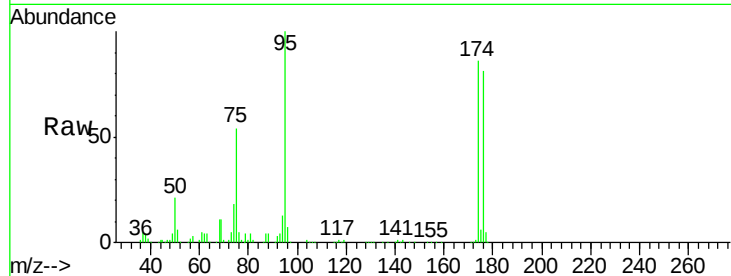
Tgt Ion: 95 Resp: 168350

Ion Ratio Lower Upper

95 100

174 86.0 0.0 165.8

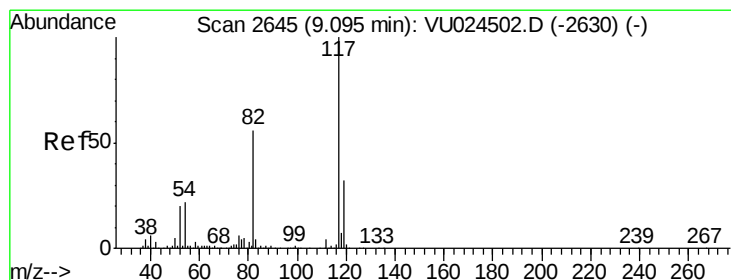
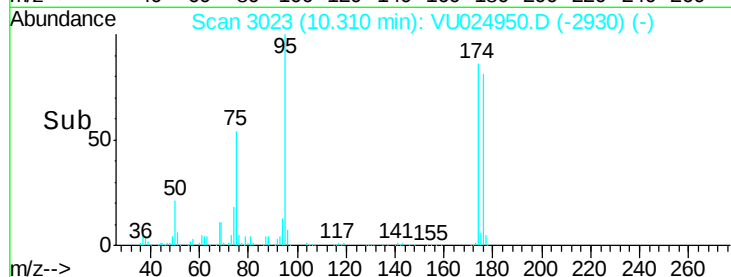
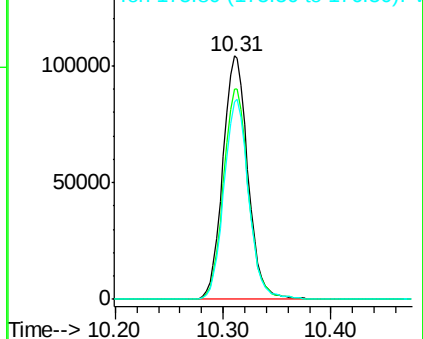
176 81.2 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU024502.D (-3007) (-)

Ion 173.80 (173.50 to 174.50): VU024502.D (-3007) (-)

Ion 175.80 (175.50 to 176.50): VU024502.D (-3007) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VU024950.D

Acq: 27 Jun 2018 03:35

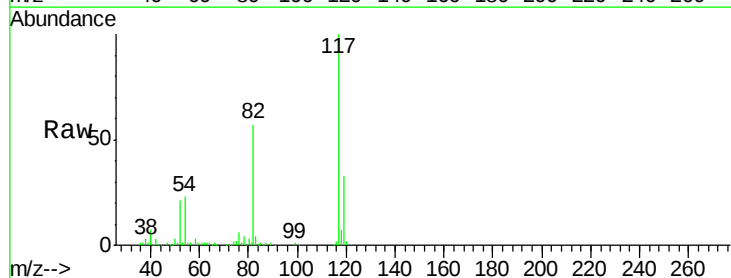
Tgt Ion: 117 Resp: 289308

Ion Ratio Lower Upper

117 100

82 57.0 44.3 66.5

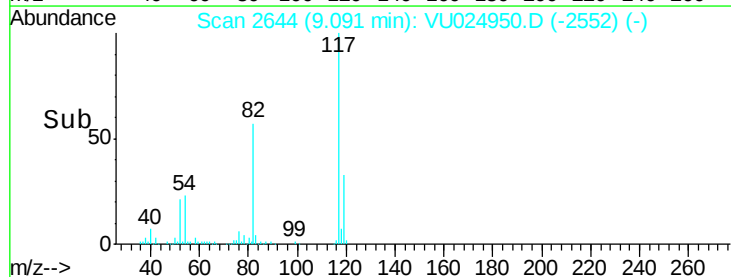
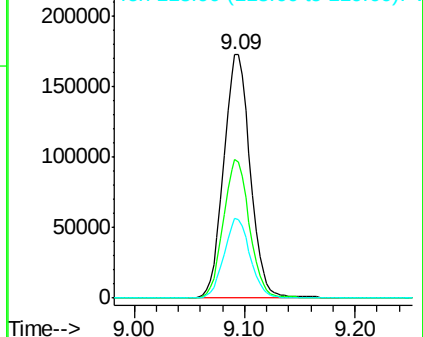
119 32.5 25.4 38.2

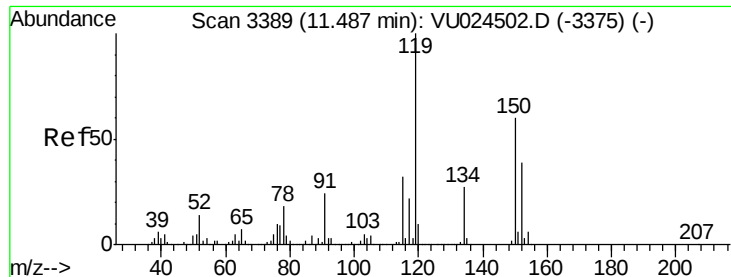


Abundance Ion 116.90 (116.60 to 117.60): VU024502.D (-2630) (-)

Ion 82.00 (81.70 to 82.70): VU024502.D (-2630) (-)

Ion 118.90 (118.60 to 119.60): VU024502.D (-2630) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU024950.D

Acq: 27 Jun 2018 03:35

Instrument :

MSVOA_U

ClientSampleId :

WP021SB471-27-29-180619ME

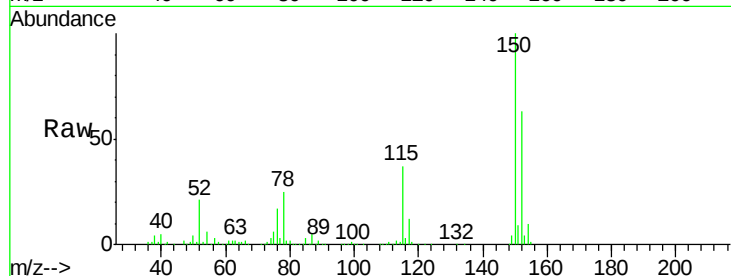
Tgt Ion:152 Resp: 154510

Ion Ratio Lower Upper

152 100

115 57.8 43.0 129.0

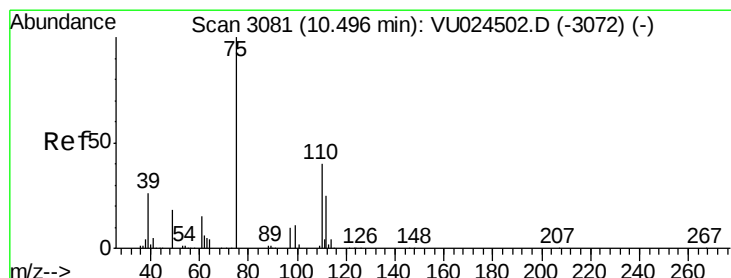
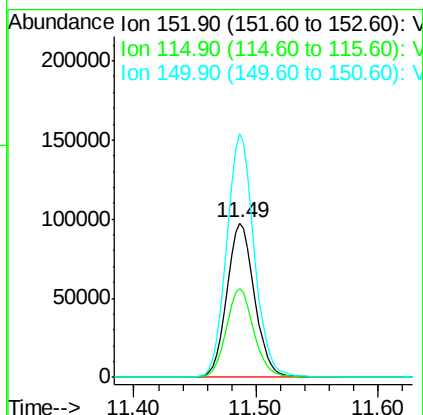
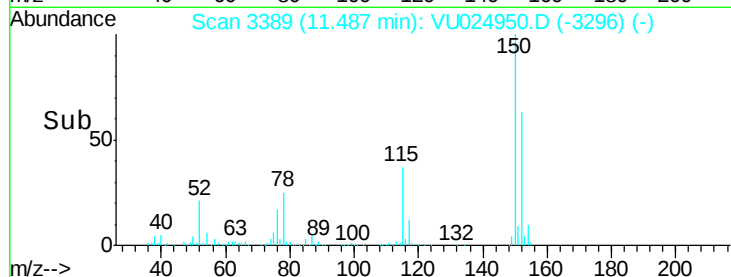
150 157.8 0.0 354.0



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: 26.310 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024950.D

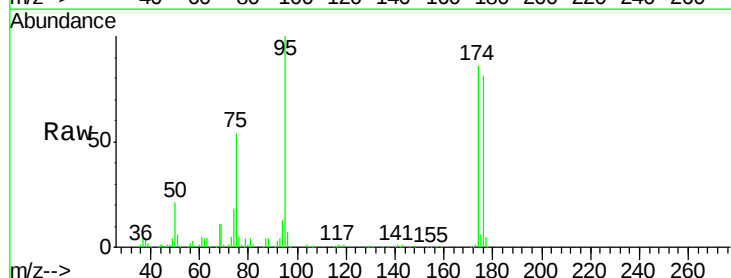
Acq: 27 Jun 2018 03:35

Tgt Ion: 75 Resp: 89499

Ion Ratio Lower Upper

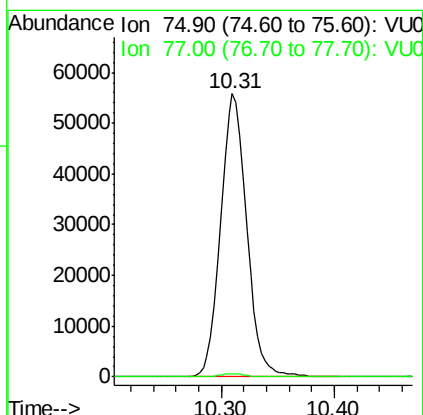
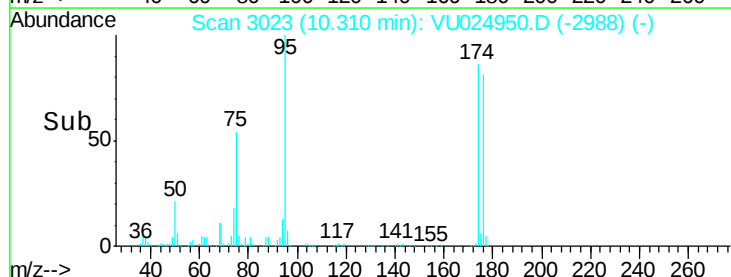
75 100

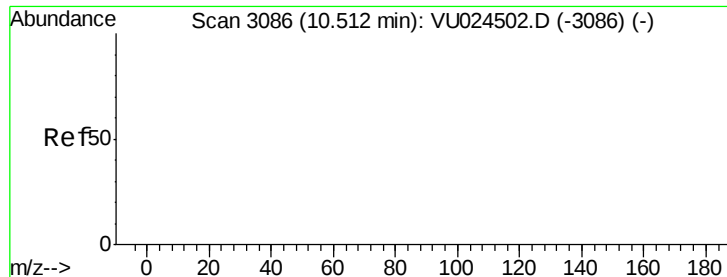
77 1.1 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

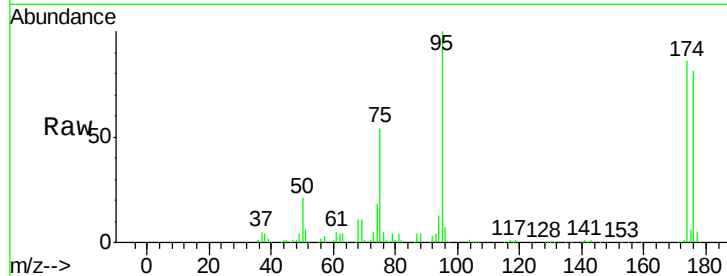




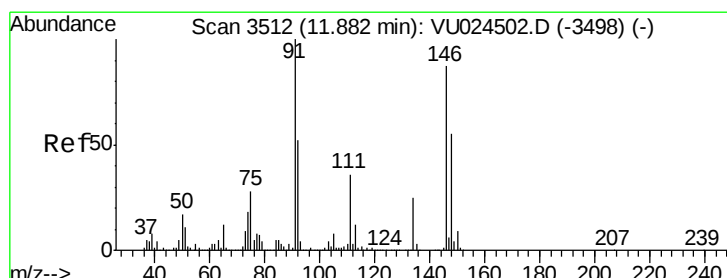
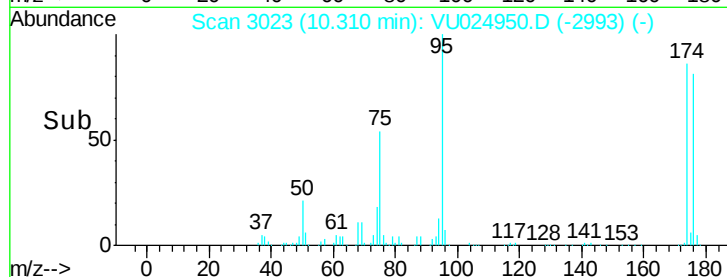
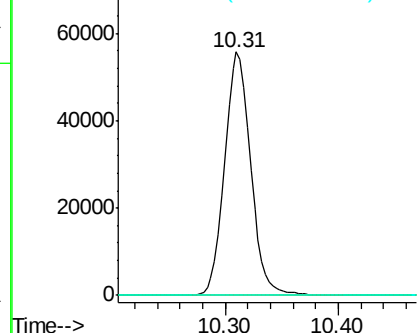
#81
trans-1,4-Dichloro-2-butene
Concen: 60.892 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.20 min
Lab File: VU024950.D
Acq: 27 Jun 2018 03:35

Instrument :
MSVOA_U
ClientSampleId :
WP021SB471-27-29-180619ME

Tgt Ion: 75 Resp: 89499
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

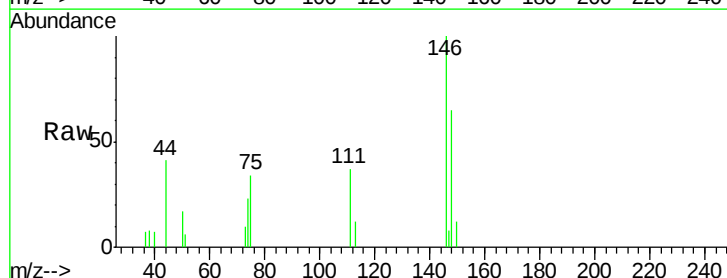


Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0

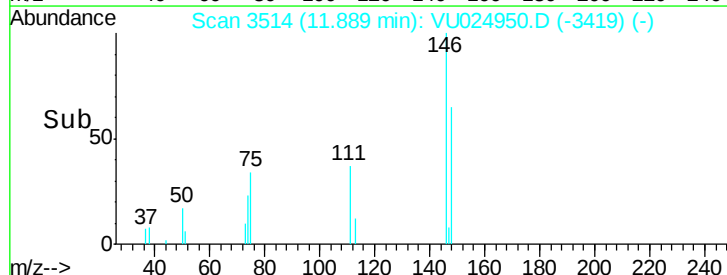
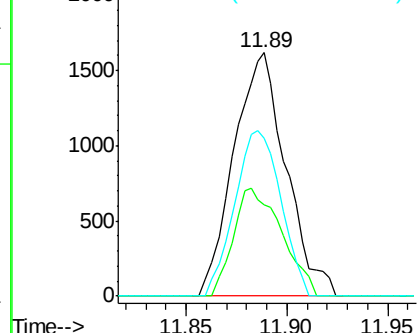


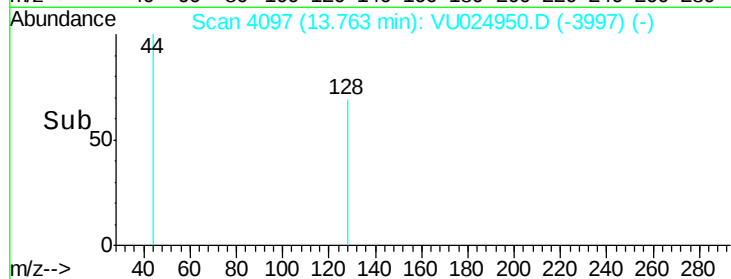
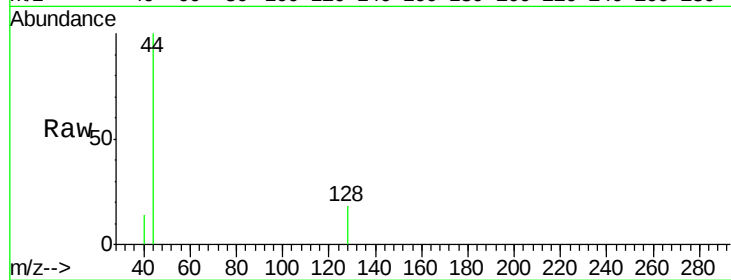
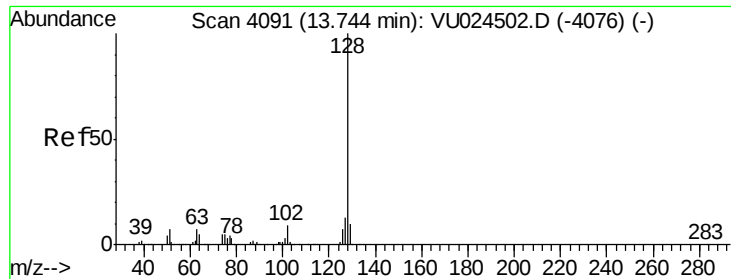
#91
1,2-Dichlorobenzene
Concen: 0.526 ug/l
RT: 11.89 min Scan# 3514
Delta R.T. 0.01 min
Lab File: VU024950.D
Acq: 27 Jun 2018 03:35

Tgt Ion: 146 Resp: 2924
Ion Ratio Lower Upper
146 100
111 41.2 20.5 61.6
148 60.4 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: 0.691 ug/l

RT: 13.76 min Scan# 4097

Delta R.T. 0.02 min

Lab File: VU024950.D

Acq: 27 Jun 2018 03:35

Instrument :

MSVOA_U

ClientSampleId :

WP021SB471-27-29-180619ME

Tgt Ion:128 Resp: 139

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 12.8#

