

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062718\
 Data File : VU024947.D
 Acq On : 27 Jun 2018 02:22
 Operator : MD/SY
 Sample : J3664-23ME 20X
 Misc : 6.77g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB471-33-35-180619ME

Quant Time: Jun 27 04:18:57 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	208933	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	317360	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	296231	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	156739	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	159588	46.79	ug/l	0.00
Spiked Amount			Recovery	=	93.58%	
35) Dibromofluoromethane	4.89	113	122798	46.62	ug/l	0.00
Spiked Amount			Recovery	=	93.24%	
50) Toluene-d8	7.57	98	460314	47.91	ug/l	0.00
Spiked Amount			Recovery	=	95.82%	
62) 4-Bromofluorobenzene	10.31	95	169417	44.41	ug/l	0.00
Spiked Amount			Recovery	=	88.82%	

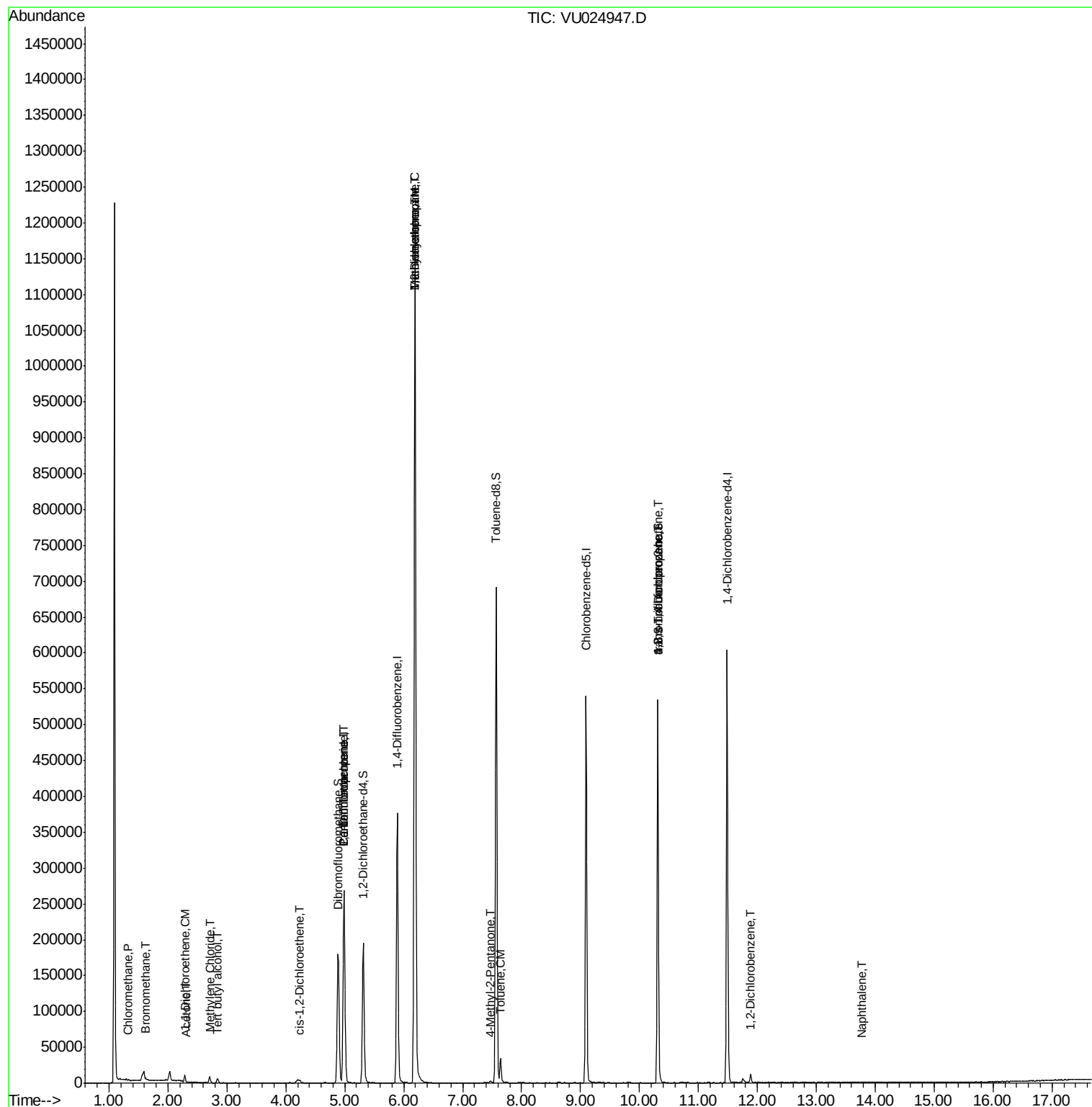
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	665	0.249	ug/l	94
5) Bromomethane	1.62	94	447	0.336	ug/l	95
6) Chloroethane	1.69	64	74	Below Cal	#	43
11) Tert butyl alcohol	2.84	59	2804	3.380	ug/l #	72
12) 1,1-Dichloroethene	2.29	96	2808	1.180	ug/l	88
16) Acetone	2.32	43	1039	0.567	ug/l #	80
20) Methylene Chloride	2.70	84	3889	1.352	ug/l	93
27) cis-1,2-Dichloroethene	4.23	96	1677	0.557	ug/l	89
31) Cyclohexane	4.98	56	4464	Below Cal	#	21
36) 1,1-Dichloropropene	4.99	75	15350	4.116	ug/l #	51
38) Carbon Tetrachloride	4.99	117	19608	4.781	ug/l #	16
39) Methylcyclohexane	6.19	83	5001	1.075	ug/l #	1
44) Trichloroethene	6.19	130	421579	139.401	ug/l	96
45) 1,2-Dichloropropane	6.18	63	1519	0.536	ug/l #	1
51) 4-Methyl-2-Pentanone	7.47	43	1775	0.402	ug/l	89
52) Toluene	7.64	92	13832	2.023	ug/l	98
76) 1,2,3-Trichloropropane	10.31	75	89817	26.028	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	89817	60.239	ug/l #	100
91) 1,2-Dichlorobenzene	11.89	146	5350	0.949	ug/l	98
95) Naphthalene	13.78	128	314	0.706	ug/l #	69

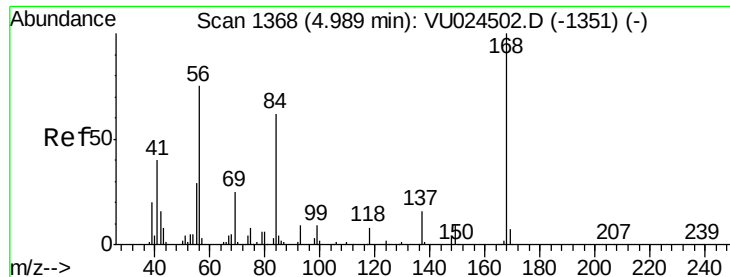
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU024947.D

Acq: 27 Jun 2018 02:22

Instrument :

MSVOA_U

ClientSampleId :

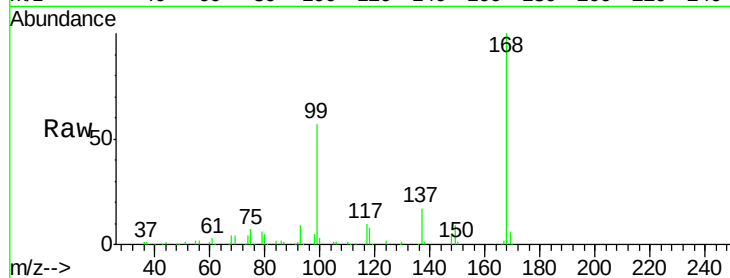
WP021SB471-33-35-180619ME

Tgt Ion:168 Resp: 208933

Ion Ratio Lower Upper

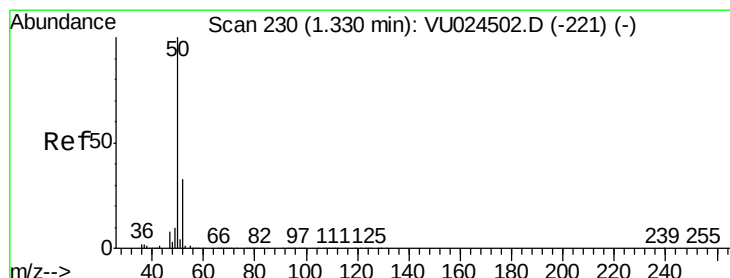
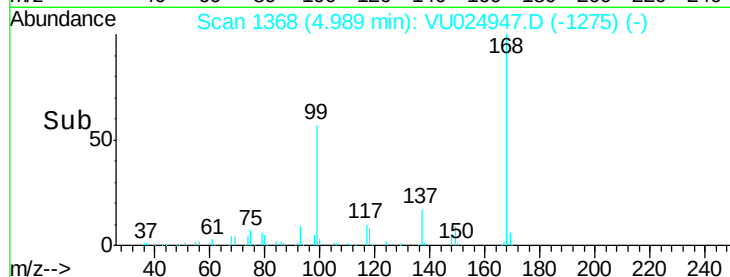
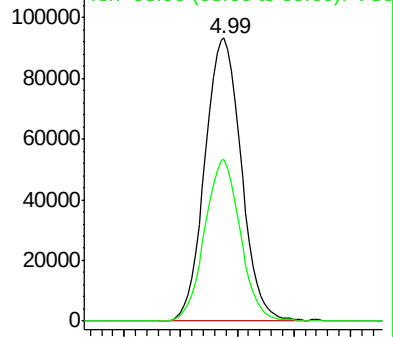
168 100

99 57.1 43.2 64.8



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

Ion 98.90 (98.60 to 99.60): VU024502.D



#3

Chloromethane

Concen: 0.249 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU024947.D

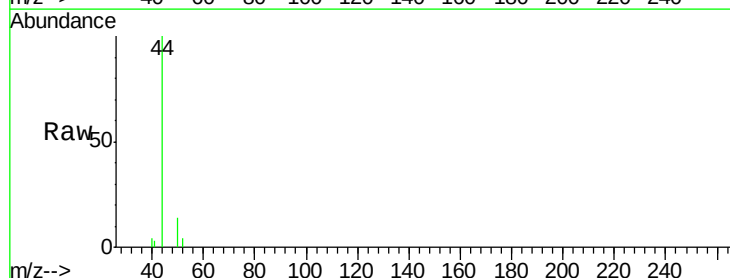
Acq: 27 Jun 2018 02:22

Tgt Ion: 50 Resp: 665

Ion Ratio Lower Upper

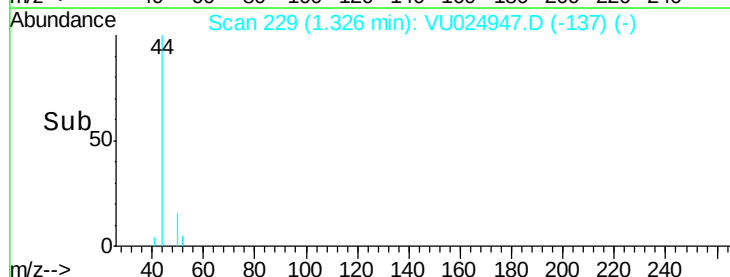
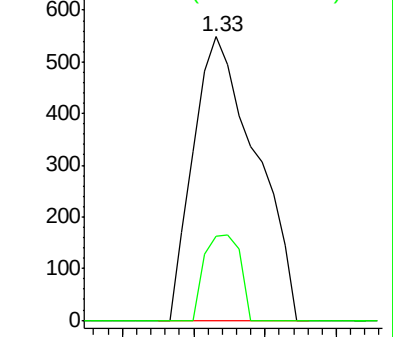
50 100

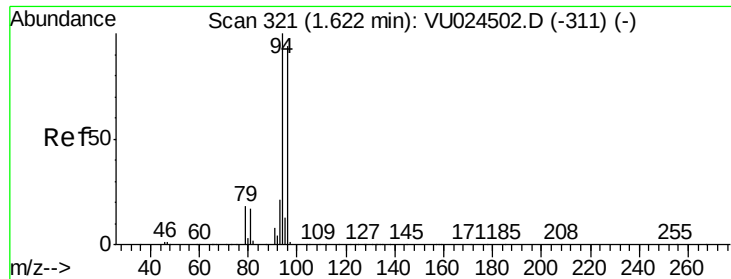
52 29.6 26.4 39.6



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

Ion 51.90 (51.60 to 52.60): VU024502.D





#5

Bromomethane

Concen: 0.336 ug/l

RT: 1.62 min Scan# 321

Delta R.T. -0.00 min

Lab File: VU024947.D

Acq: 27 Jun 2018 02:22

Instrument :

MSVOA_U

ClientSampleId :

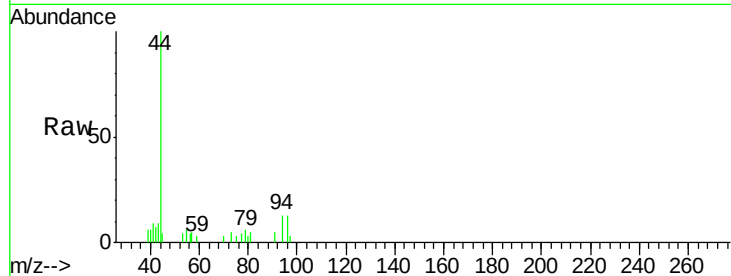
WP021SB471-33-35-180619ME

Tgt Ion: 94 Resp: 447

Ion Ratio Lower Upper

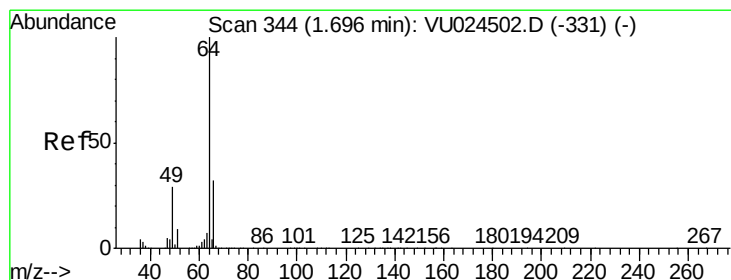
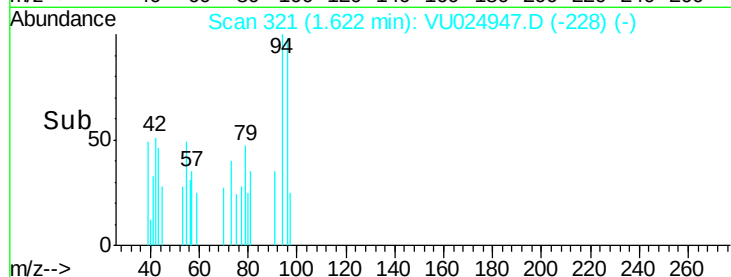
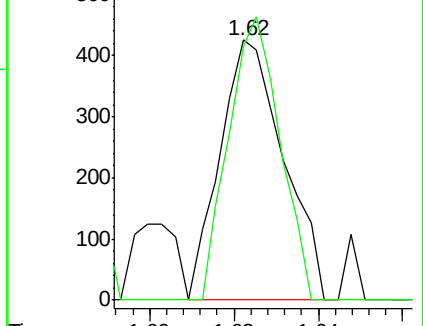
94 100

96 97.7 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 341

Delta R.T. -0.01 min

Lab File: VU024947.D

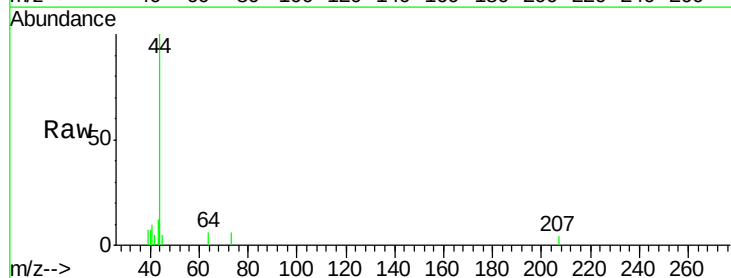
Acq: 27 Jun 2018 02:22

Tgt Ion: 64 Resp: 74

Ion Ratio Lower Upper

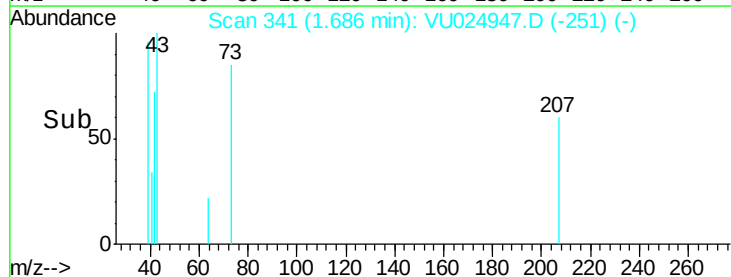
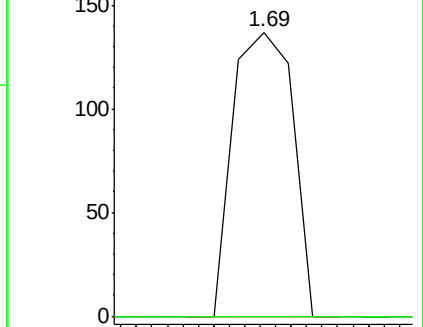
64 100

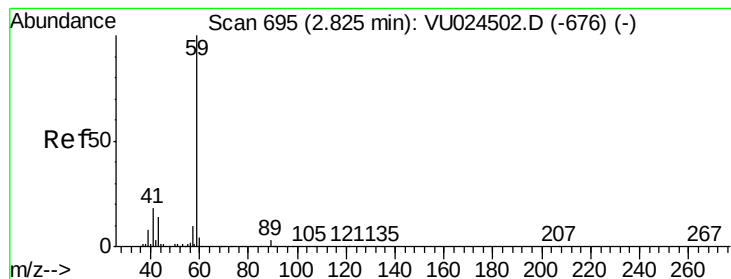
66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



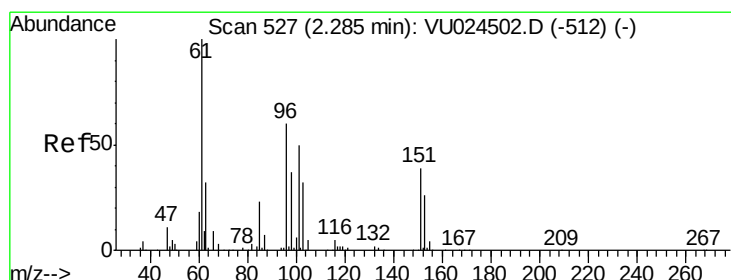
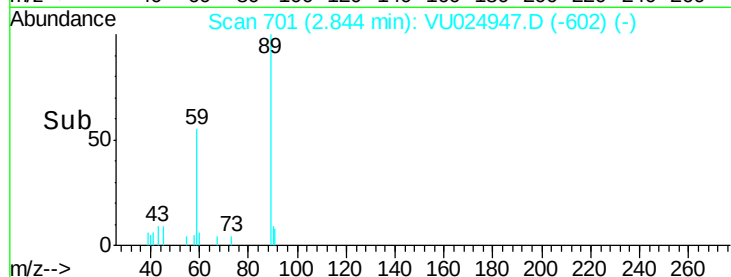
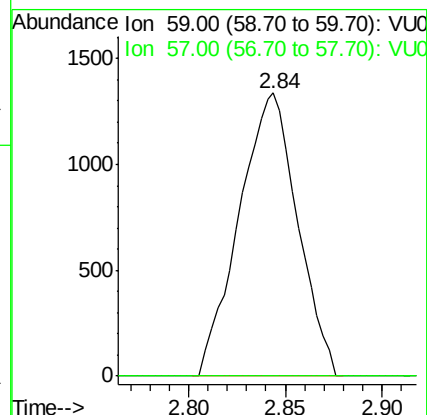
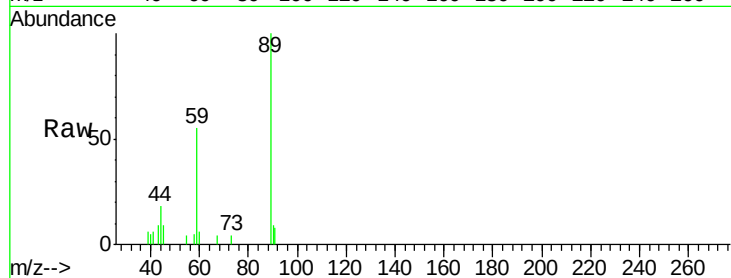


#11

Tert butyl alcohol
Concen: 3.380 ug/l
RT: 2.84 min Scan# 701
Delta R.T. 0.02 min
Lab File: VU024947.D
Acq: 27 Jun 2018 02:22

Instrument :
MSVOA_U
ClientSampleId :
WP021SB471-33-35-180619ME

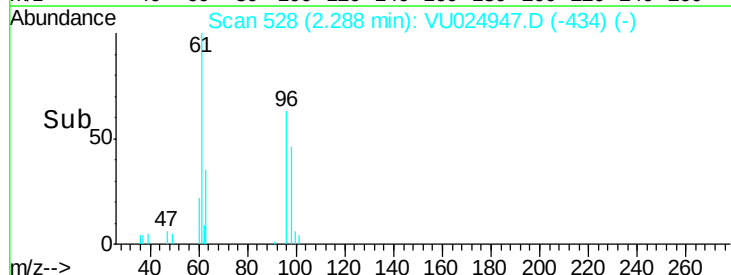
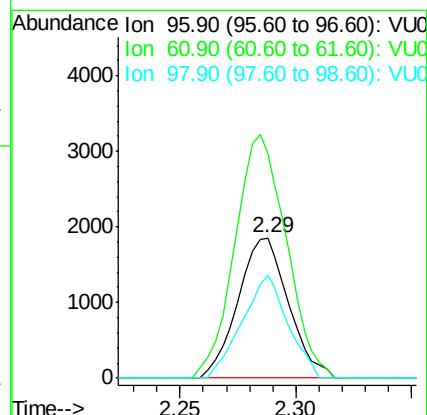
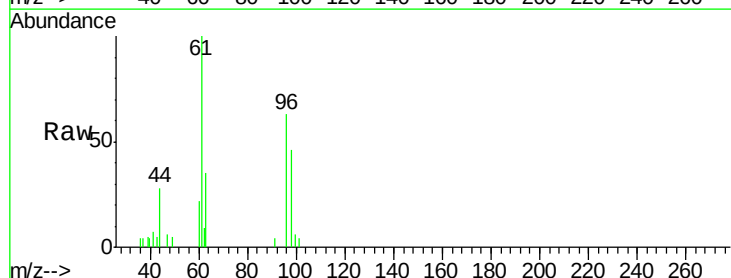
Tgt Ion: 59 Resp: 2804
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

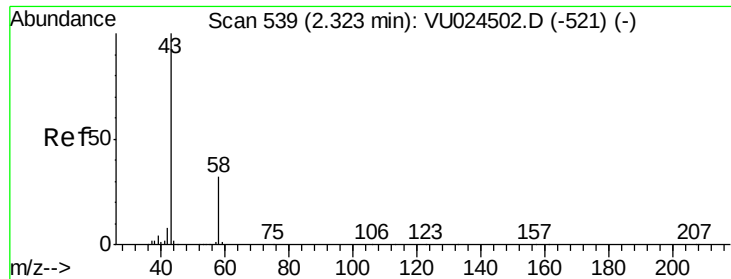


#12

1,1-Dichloroethene
Concen: 1.180 ug/l
RT: 2.29 min Scan# 528
Delta R.T. 0.00 min
Lab File: VU024947.D
Acq: 27 Jun 2018 02:22

Tgt Ion: 96 Resp: 2808
Ion Ratio Lower Upper
96 100
61 159.9 141.7 212.5
98 73.2 51.6 77.4





#16

Acetone

Concen: 0.567 ug/l

RT: 2.32 min Scan# 537

Delta R.T. -0.01 min

Lab File: VU024947.D

Acq: 27 Jun 2018 02:22

Instrument :

MSVOA_U

ClientSampleId :

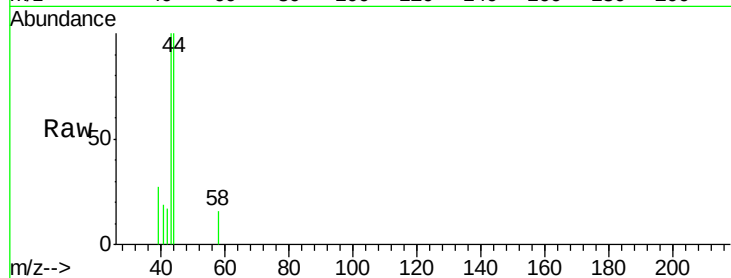
WP021SB471-33-35-180619ME

Tgt Ion: 43 Resp: 1039

Ion Ratio Lower Upper

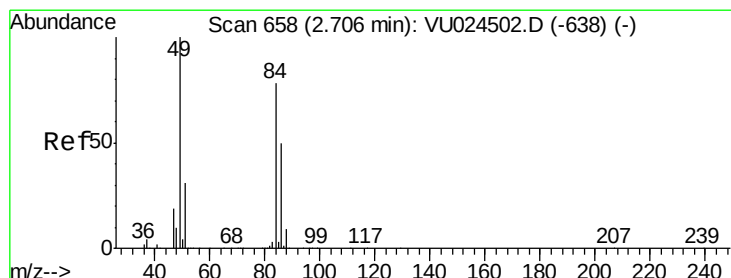
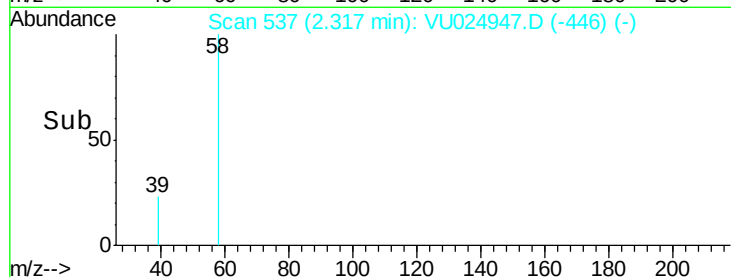
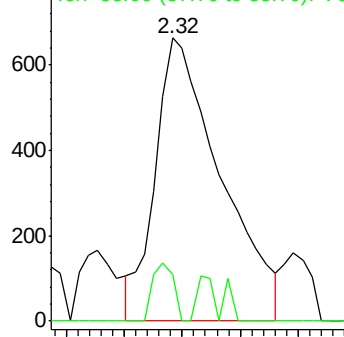
43 100

58 19.4 24.4 36.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#20

Methylene Chloride

Concen: 1.352 ug/l

RT: 2.70 min Scan# 657

Delta R.T. -0.00 min

Lab File: VU024947.D

Acq: 27 Jun 2018 02:22

Tgt Ion: 84 Resp: 3889

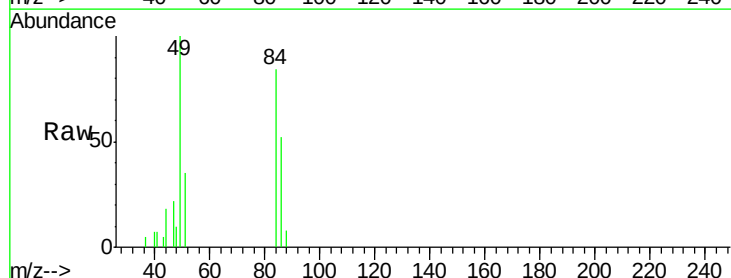
Ion Ratio Lower Upper

84 100

49 118.5 103.8 155.8

51 41.8 32.0 48.0

86 61.1 51.6 77.4

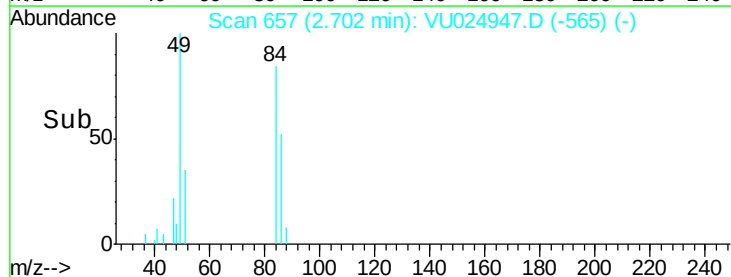
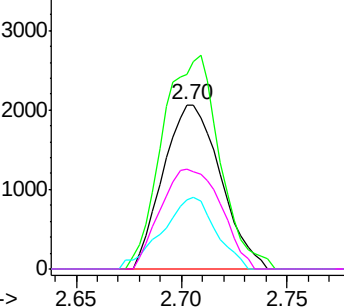


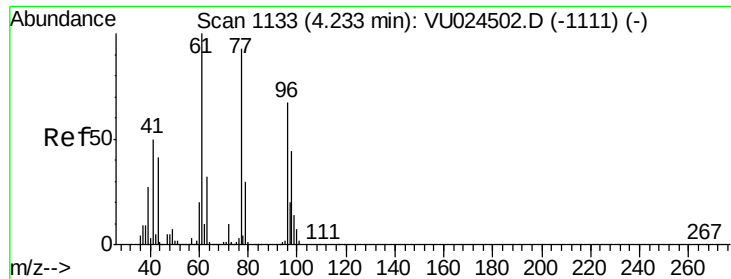
Abundance Ion 83.90 (83.60 to 84.60): VU0

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

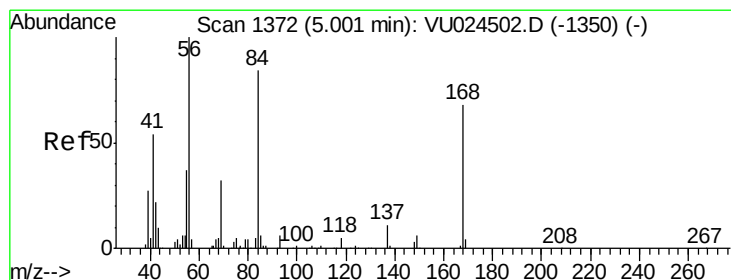
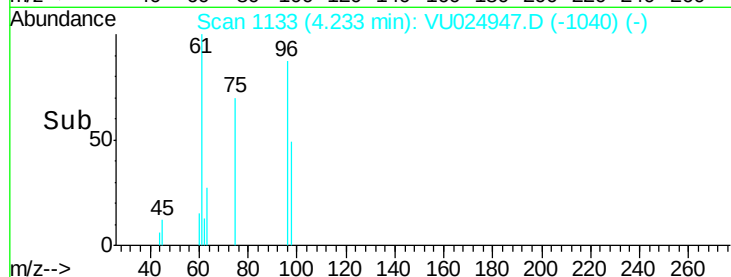
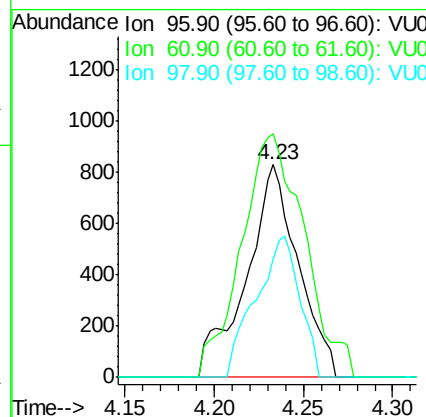
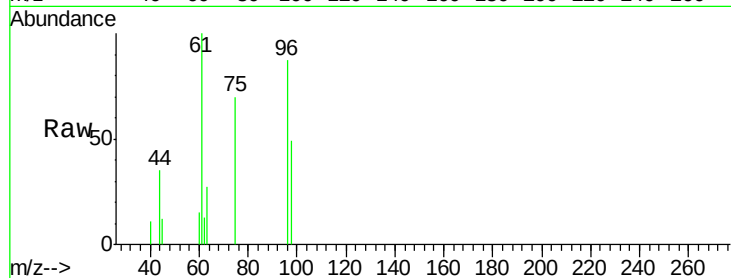




#27
 cis-1,2-Dichloroethene
 Concen: 0.557 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. -0.00 min
 Lab File: VU024947.D
 Acq: 27 Jun 2018 02:22

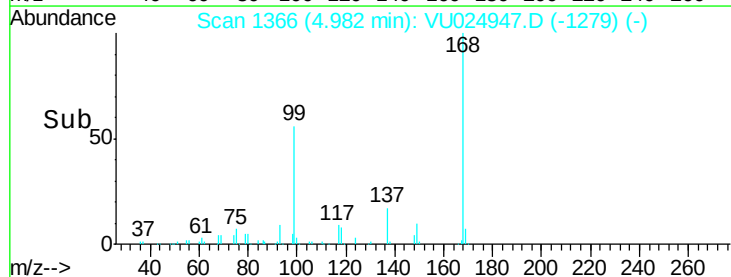
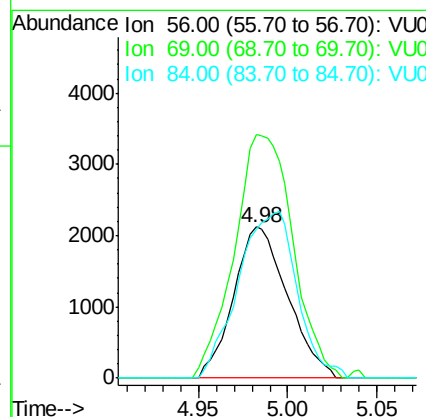
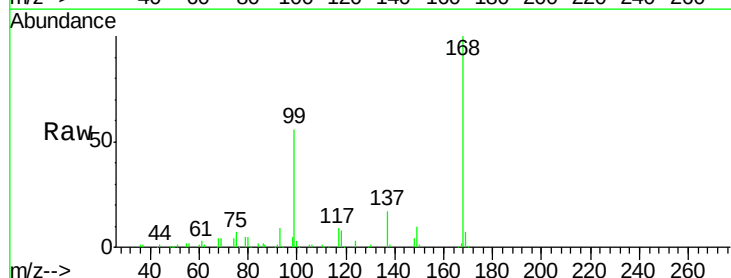
Instrument :
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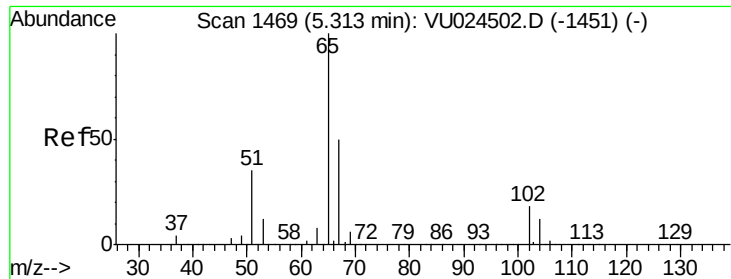
Tgt Ion: 96 Resp: 1677
 Ion Ratio Lower Upper
 96 100
 61 139.5 0.0 306.6
 98 56.5 0.0 128.8



#31
 Cyclohexane
 Concen: Below Cal
 RT: 4.98 min Scan# 1366
 Delta R.T. -0.02 min
 Lab File: VU024947.D
 Acq: 27 Jun 2018 02:22

Tgt Ion: 56 Resp: 4464
 Ion Ratio Lower Upper
 56 100
 69 161.3 24.8 37.2#
 84 98.9 65.2 97.8#

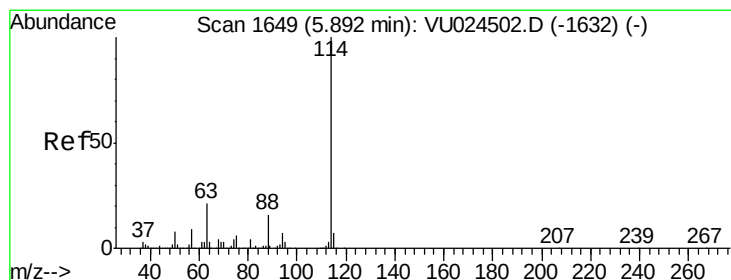
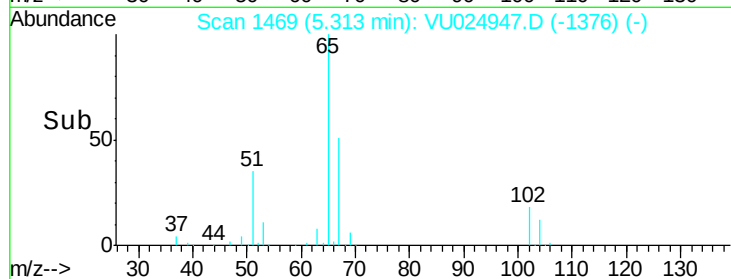
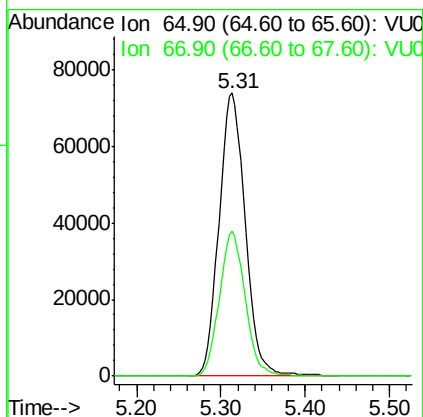
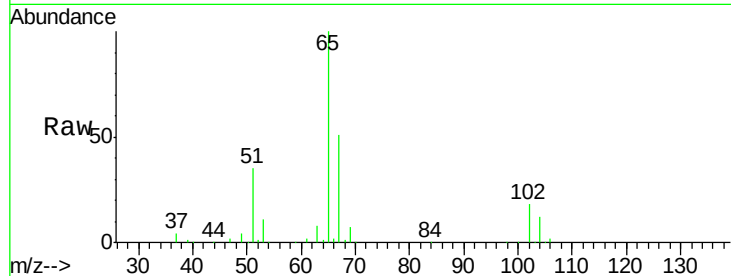




#33
 1,2-Dichloroethane-d4
 Concen: 46.788 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU024947.D
 Acq: 27 Jun 2018 02:22

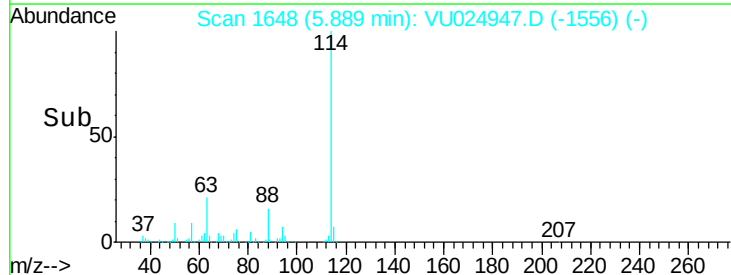
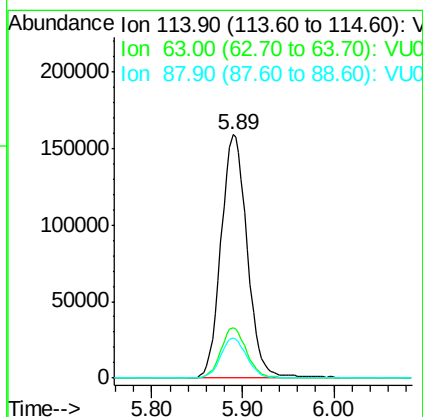
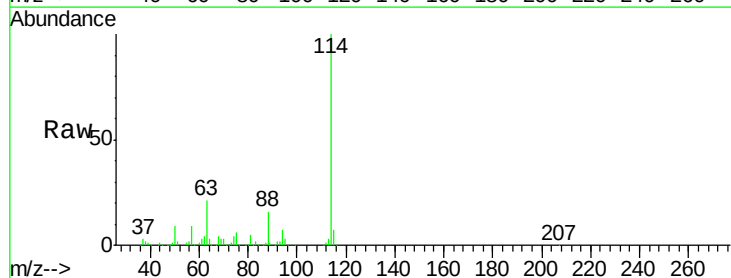
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 WP021SB471-33-35-180619ME

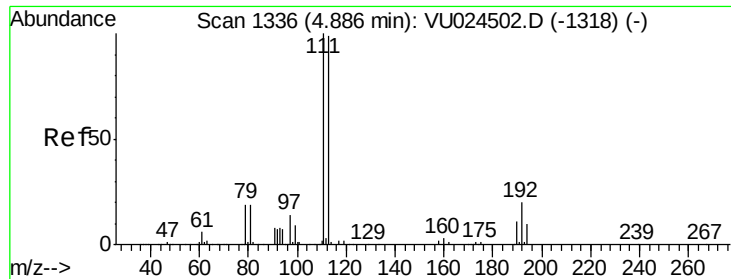
Tgt Ion: 65 Resp: 159588
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024947.D
 Acq: 27 Jun 2018 02:22

Tgt Ion: 114 Resp: 317360
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 45.4
 88 16.4 0.0 31.0

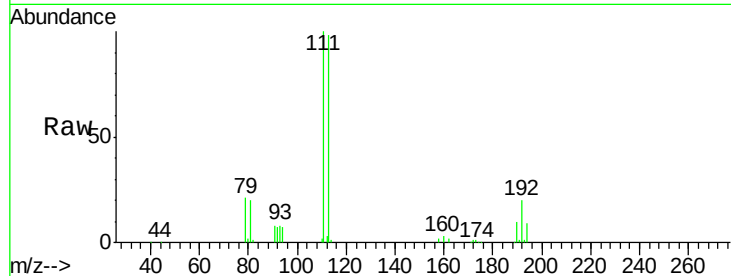




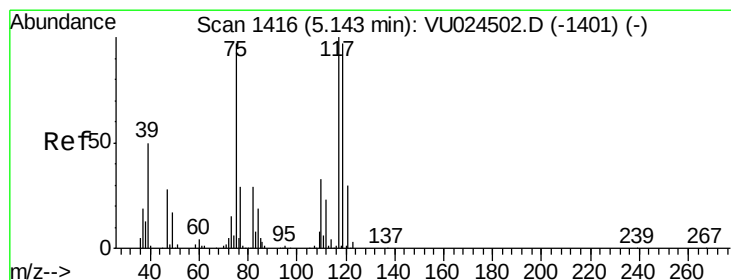
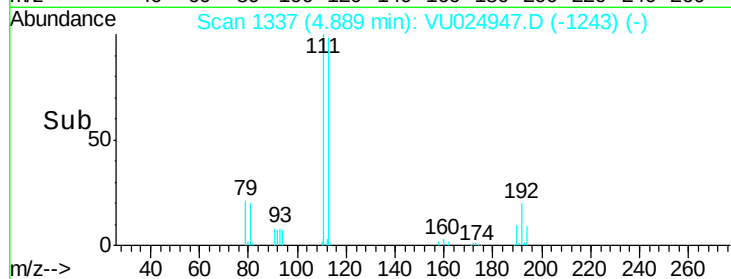
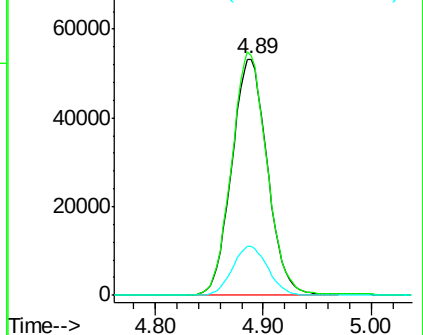
#35
 Dibromofluoromethane
 Concen: 46.623 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024947.D
 Acq: 27 Jun 2018 02:22

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB471-33-35-180619ME

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.2	123.4
192	20.5	16.2	24.4

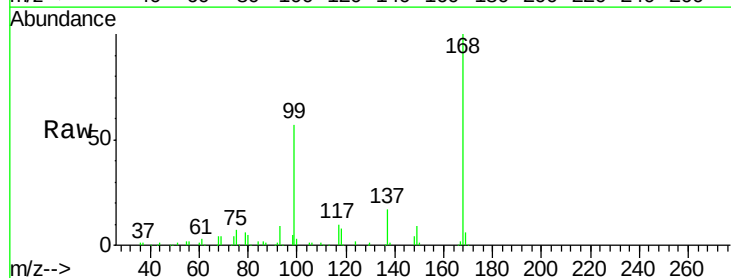


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

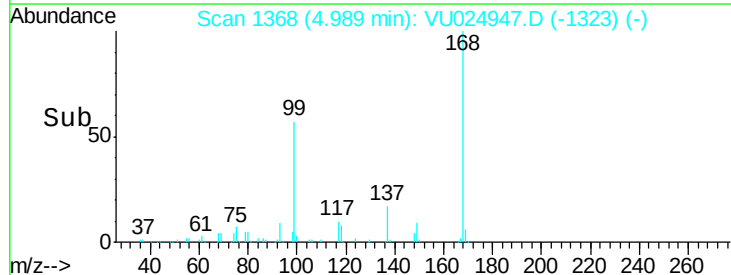
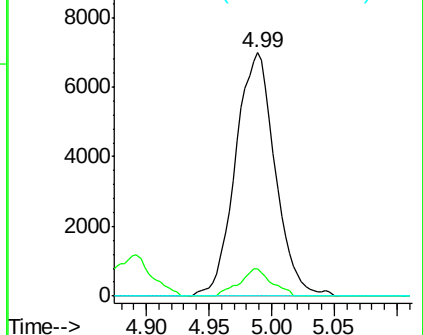


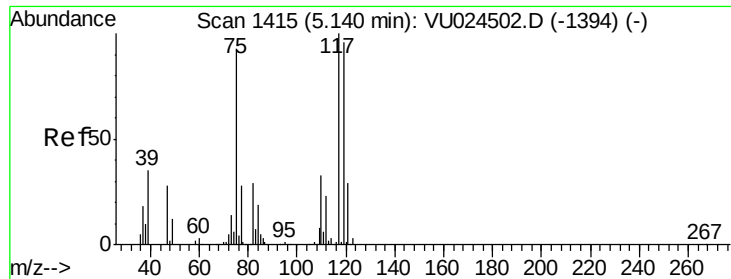
#36
 1,1-Dichloropropene
 Concen: 4.116 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU024947.D
 Acq: 27 Jun 2018 02:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	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: 4.781 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024947.D

Acq: 27 Jun 2018 02:22

Instrument :

MSVOA_U

ClientSampleId :

WP021SB471-33-35-180619ME

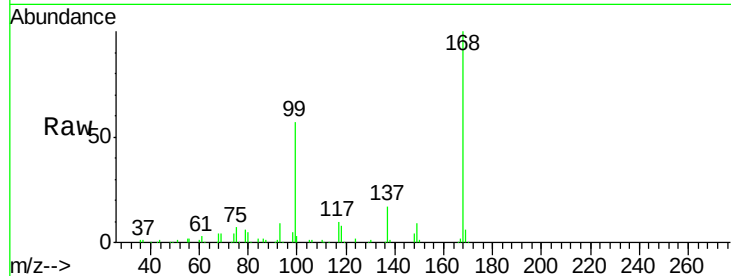
Tgt Ion:117 Resp: 19608

Ion Ratio Lower Upper

117 100

119 4.7 76.1 114.1#

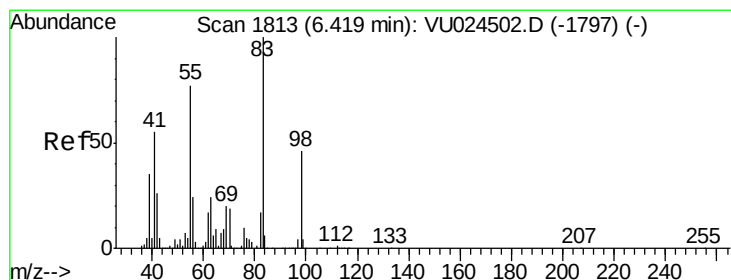
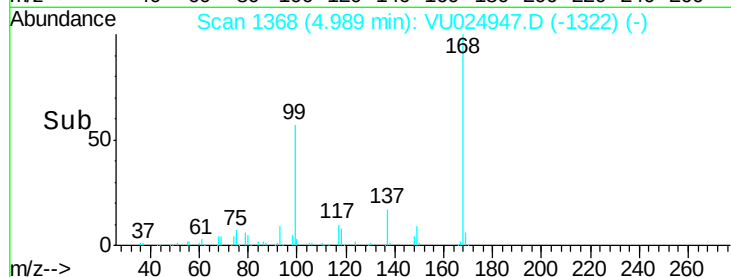
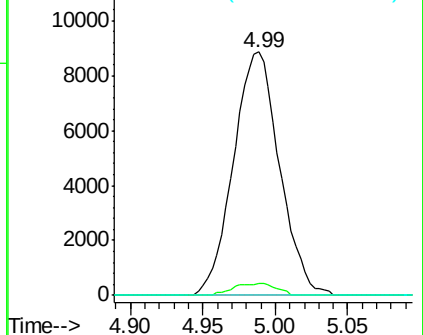
121 0.0 23.7 35.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 1.075 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. -0.23 min

Lab File: VU024947.D

Acq: 27 Jun 2018 02:22

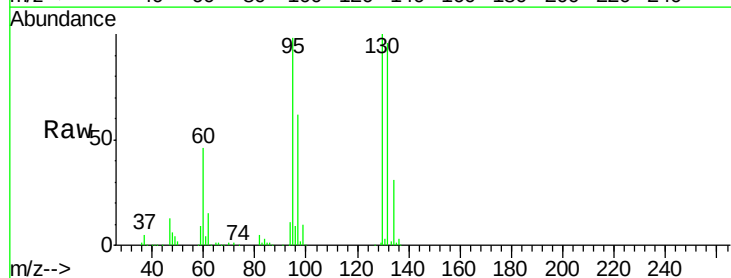
Tgt Ion: 83 Resp: 5001

Ion Ratio Lower Upper

83 100

55 0.0 65.8 98.6#

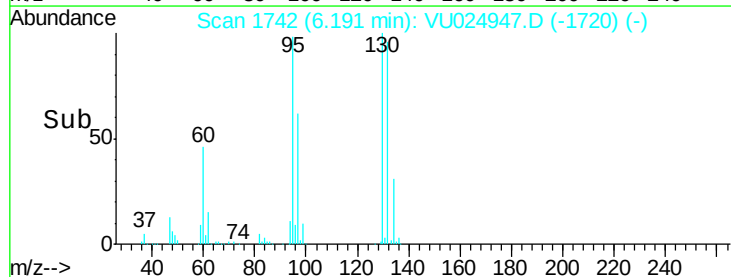
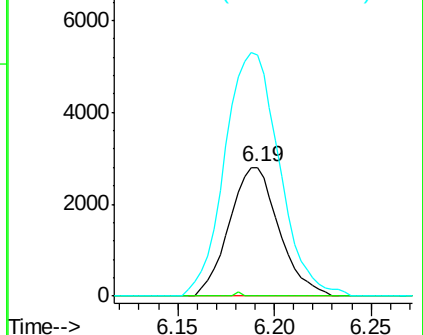
98 182.6 36.7 55.1#

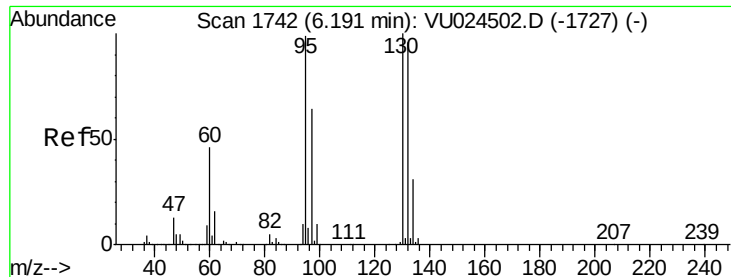


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#44

Trichloroethene

Concen: 139.401 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VU024947.D

Acq: 27 Jun 2018 02:22

Instrument :

MSVOA_U

ClientSampleId :

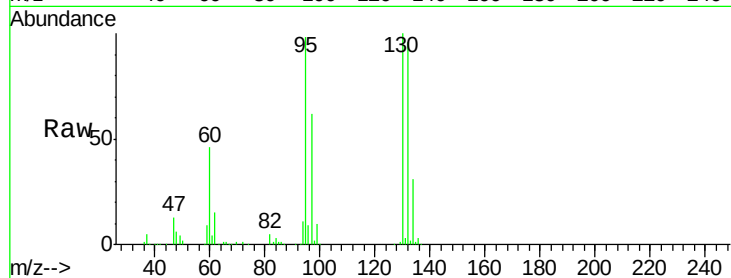
WP021SB471-33-35-180619ME

Tgt Ion:130 Resp: 421579

Ion Ratio Lower Upper

130 100

95 97.6 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): VU024947.D (-1649) (-)

Ion 94.90 (94.60 to 95.60): VU024947.D (-1649) (-)

6.19

250000

200000

150000

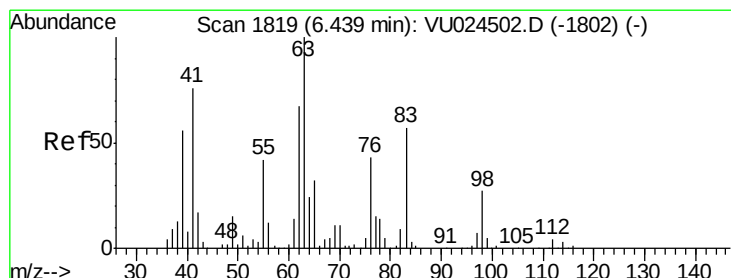
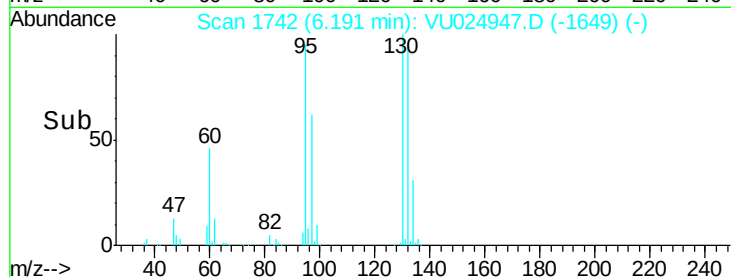
100000

50000

0

Time-->

6.10 6.20 6.30 6.40



#45

1,2-Dichloropropane

Concen: 0.536 ug/l

RT: 6.18 min Scan# 1740

Delta R.T. -0.25 min

Lab File: VU024947.D

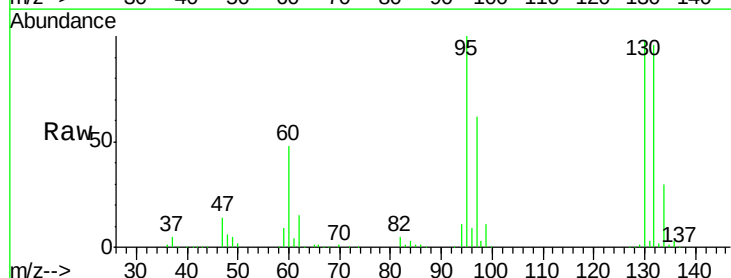
Acq: 27 Jun 2018 02:22

Tgt Ion: 63 Resp: 1519

Ion Ratio Lower Upper

63 100

65 343.3 24.8 37.2#



Abundance Ion 62.90 (62.60 to 63.60): VU024947.D (-1726) (-)

Ion 64.90 (64.60 to 65.60): VU024947.D (-1726) (-)

6.18

3000

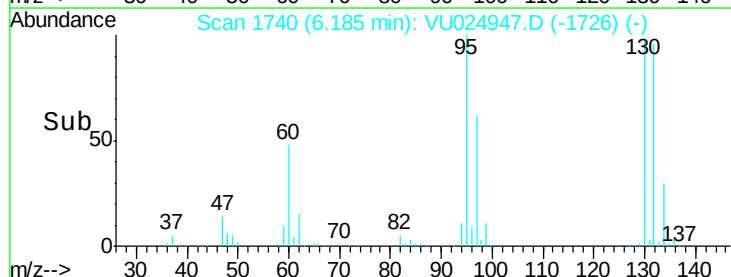
2000

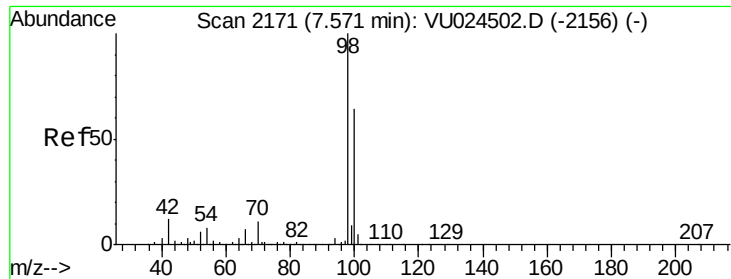
1000

0

Time-->

6.15 6.20

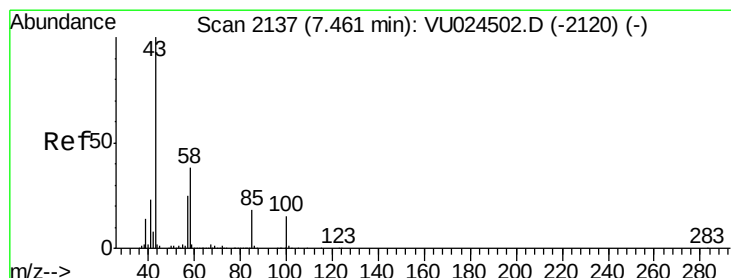
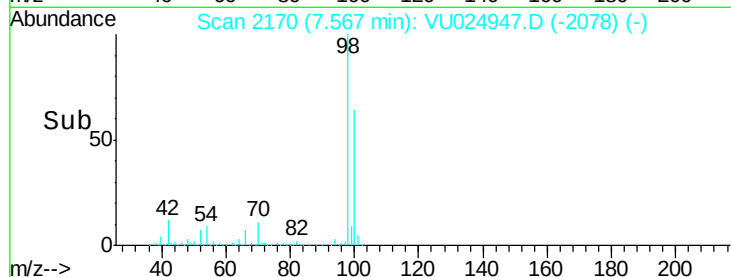
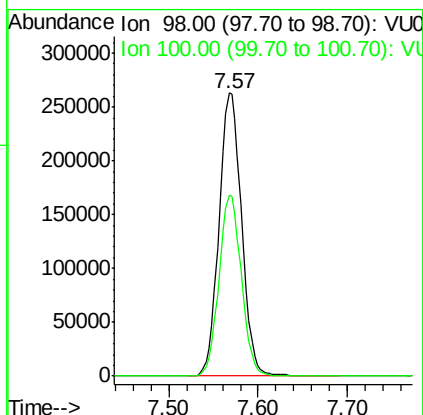
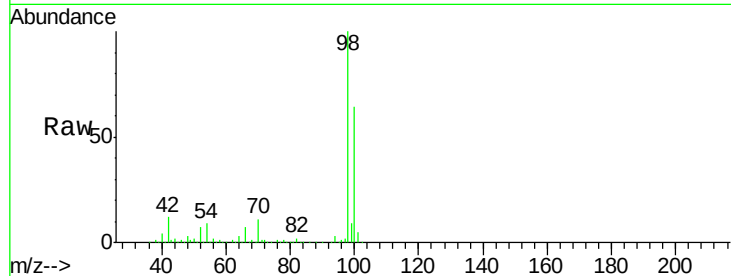




#50
Toluene-d8
Concen: 47.913 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU024947.D
Acq: 27 Jun 2018 02:22

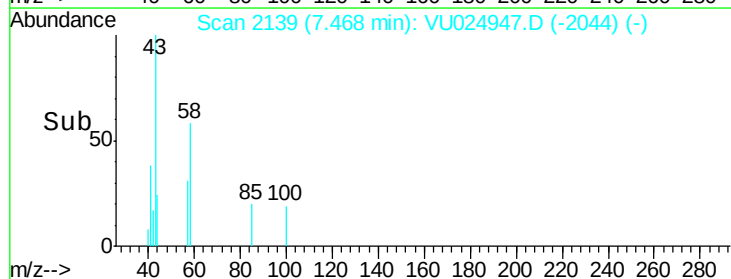
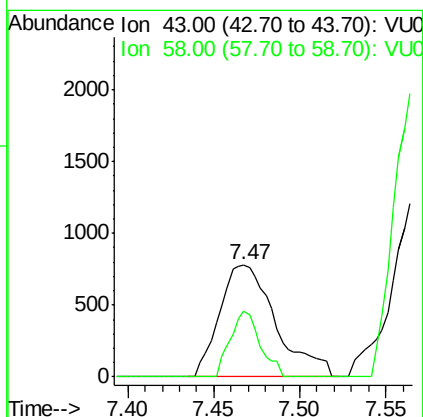
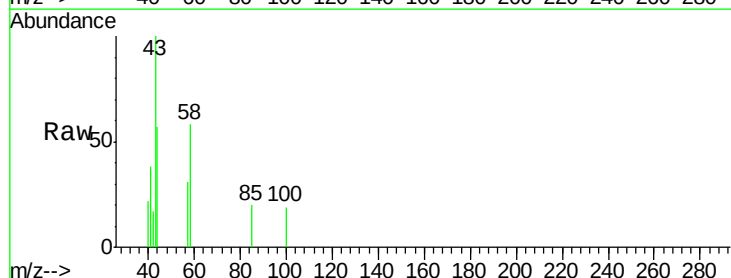
Instrument :
MSVOA_U
ClientSampleId :
WP021SB471-33-35-180619ME

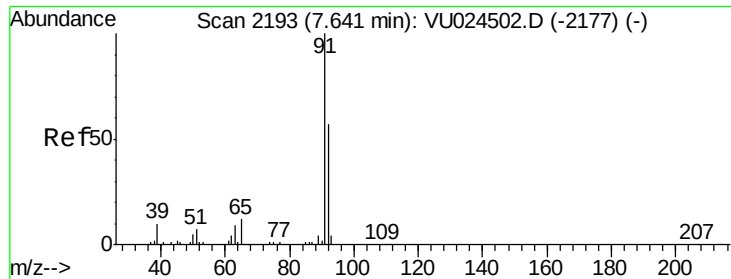
Tgt Ion: 98 Resp: 460314
Ion Ratio Lower Upper
98 100
100 63.4 51.1 76.7



#51
4-Methyl-2-Pentanone
Concen: 0.402 ug/l
RT: 7.47 min Scan# 2139
Delta R.T. 0.01 min
Lab File: VU024947.D
Acq: 27 Jun 2018 02:22

Tgt Ion: 43 Resp: 1775
Ion Ratio Lower Upper
43 100
58 31.0 30.0 45.0





#52

Toluene

Concen: 2.023 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU024947.D

Acq: 27 Jun 2018 02:22

Instrument :

MSVOA_U

ClientSampleId :

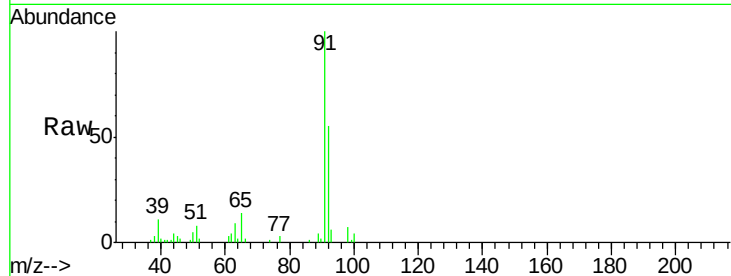
WP021SB471-33-35-180619ME

Tgt Ion: 92 Resp: 13832

Ion Ratio Lower Upper

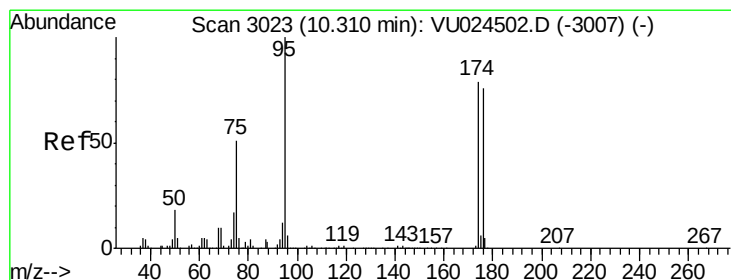
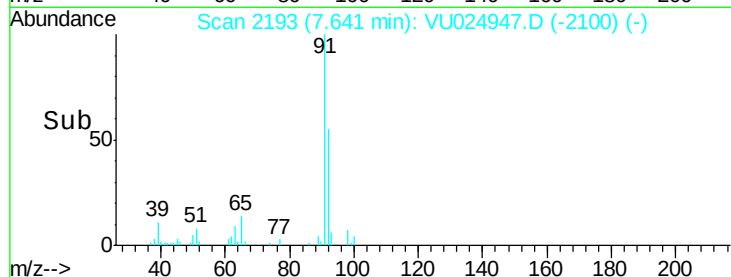
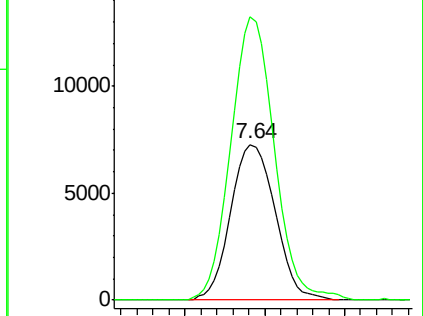
92 100

91 177.7 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#62

4-Bromofluorobenzene

Concen: 44.415 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU024947.D

Acq: 27 Jun 2018 02:22

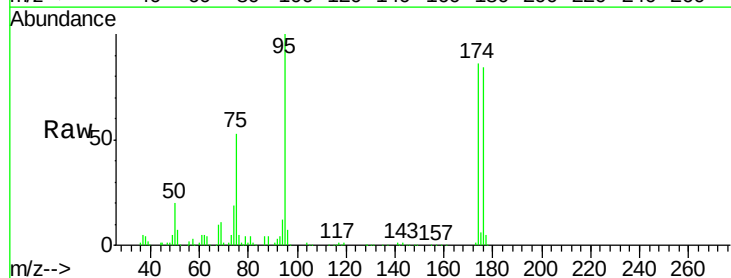
Tgt Ion: 95 Resp: 169417

Ion Ratio Lower Upper

95 100

174 85.1 0.0 165.8

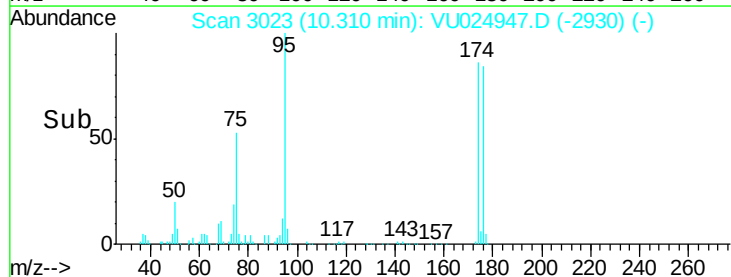
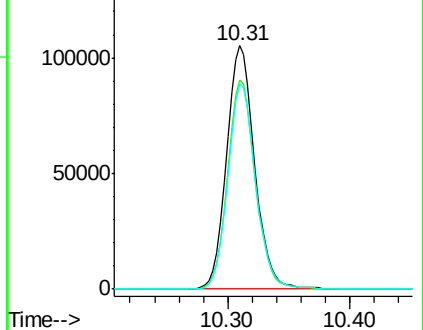
176 83.4 0.0 159.4

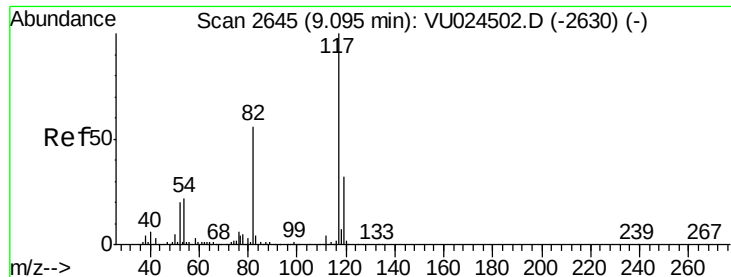


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

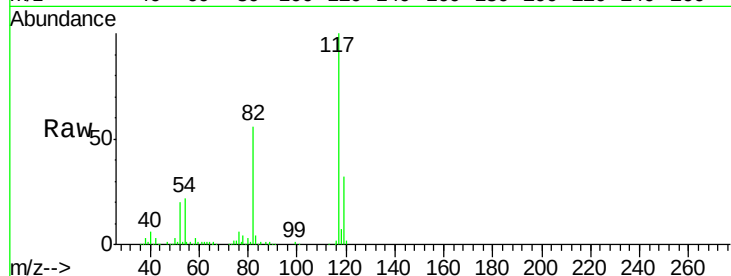




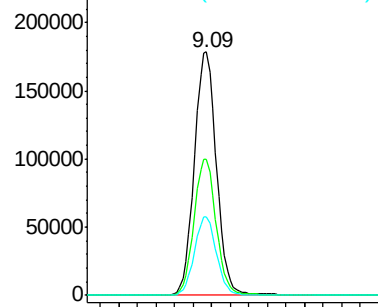
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 9.09 min Scan# 2645
 Delta R.T. -0.00 min
 Lab File: VU024947.D
 Acq: 27 Jun 2018 02:22

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB471-33-35-180619ME

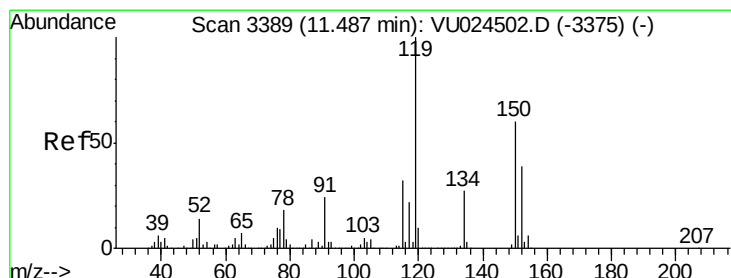
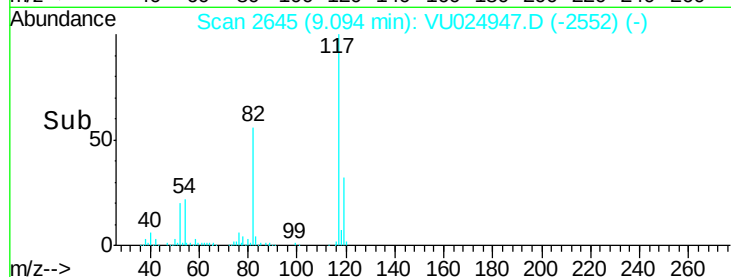
Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.9	44.3	66.5
119	32.3	25.4	38.2



Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 82.00 (81.70 to 82.70): V
 Ion 118.90 (118.60 to 119.60): V

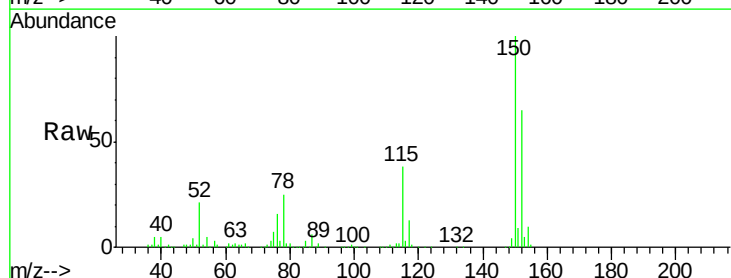


Time-->

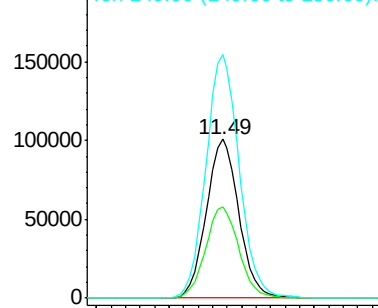


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.49 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VU024947.D
 Acq: 27 Jun 2018 02:22

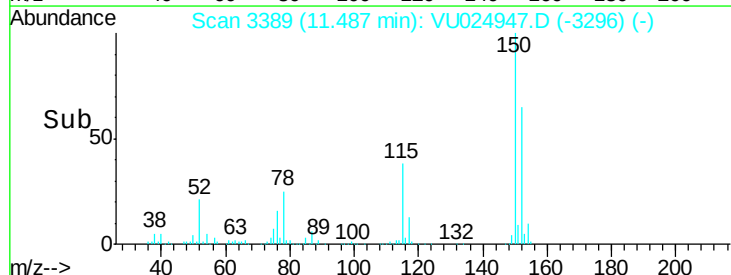
Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.8	43.0	129.0
150	157.1	0.0	354.0

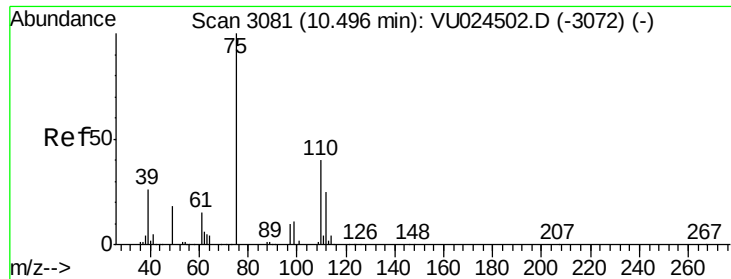


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V



Time-->





#76

1,2,3-Trichloropropane

Concen: 26.028 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024947.D

Acq: 27 Jun 2018 02:22

Instrument :

MSVOA_U

ClientSampleId :

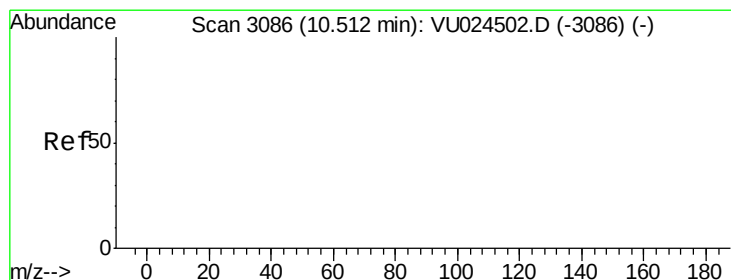
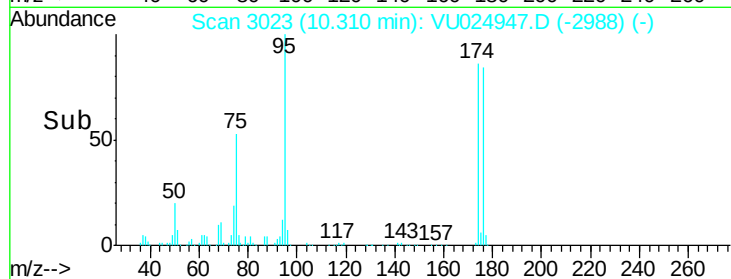
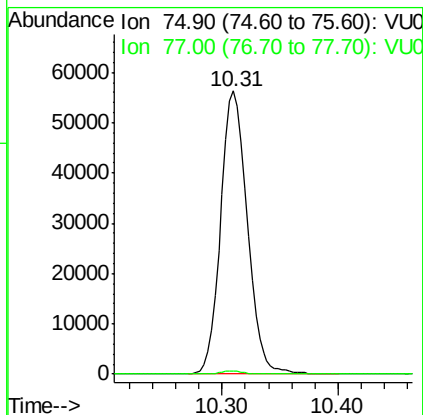
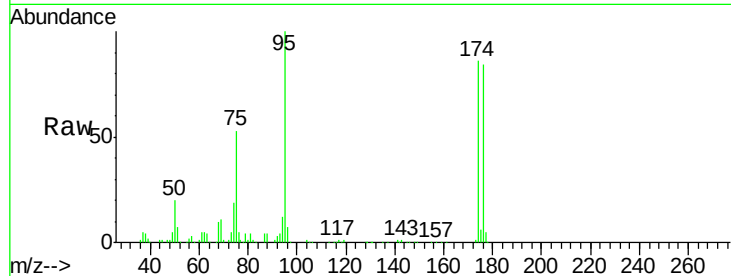
WP021SB471-33-35-180619ME

Tgt Ion: 75 Resp: 89817

Ion Ratio Lower Upper

75 100

77 0.9 20.9 62.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.239 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024947.D

Acq: 27 Jun 2018 02:22

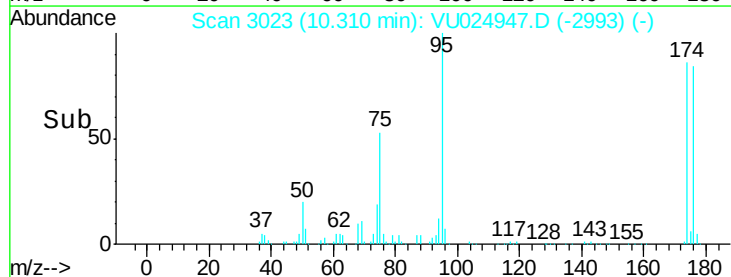
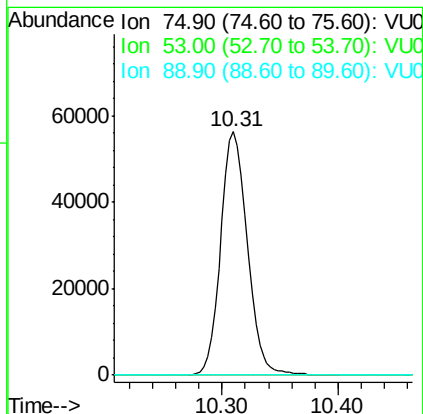
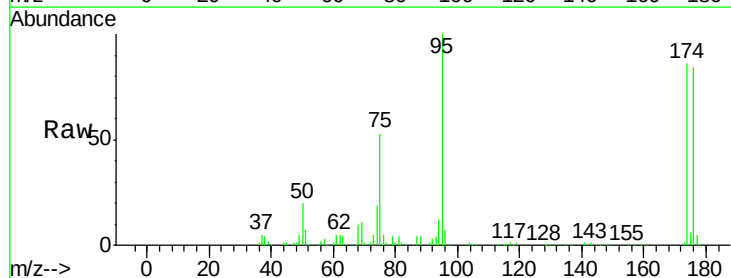
Tgt Ion: 75 Resp: 89817

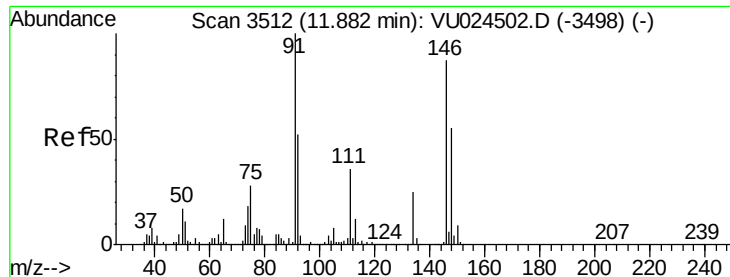
Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0

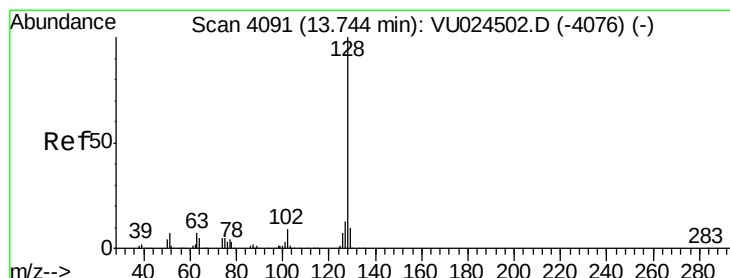
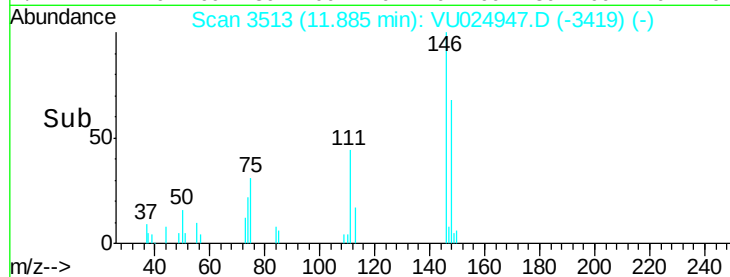
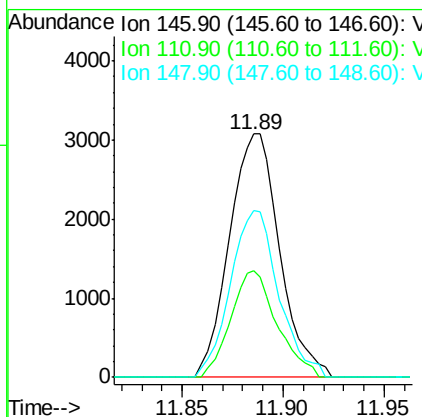
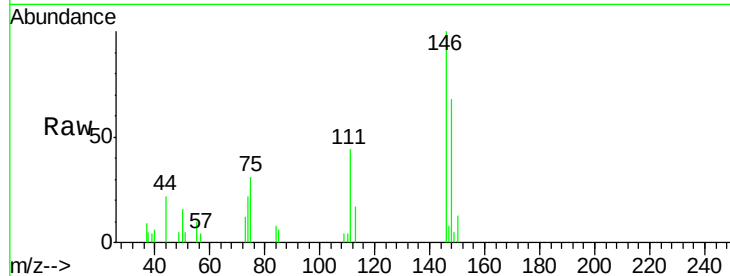




#91
 1,2-Dichlorobenzene
 Concen: 0.949 ug/l
 RT: 11.89 min Scan# 3513
 Delta R.T. 0.00 min
 Lab File: VU024947.D
 Acq: 27 Jun 2018 02:22

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB471-33-35-180619ME

Tgt Ion:146 Resp: 5350
 Ion Ratio Lower Upper
 146 100
 111 40.2 20.5 61.6
 148 65.9 31.9 95.7



#95
 Naphthalene
 Concen: 0.706 ug/l
 RT: 13.78 min Scan# 4101
 Delta R.T. 0.03 min
 Lab File: VU024947.D
 Acq: 27 Jun 2018 02:22

Tgt Ion:128 Resp: 314
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.6 16.0#
 129 0.0 8.6 12.8#

