

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062718\
 Data File : VU024970.D
 Acq On : 27 Jun 2018 16:40
 Operator : MD/SY
 Sample : J3664-21MEDL 100X
 Misc : 5.88g/5.0mL/100uL/5.00ML/MSVOA_U/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB471-29-31-180619MEDL

Quant Time: Jun 28 02:27:16 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	233523	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	350762	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	320405	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	173180	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	173803	45.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.18%	
35) Dibromofluoromethane	4.89	113	134578	46.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.46%	
50) Toluene-d8	7.57	98	505221	47.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.16%	
62) 4-Bromofluorobenzene	10.31	95	190794	45.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.52%	

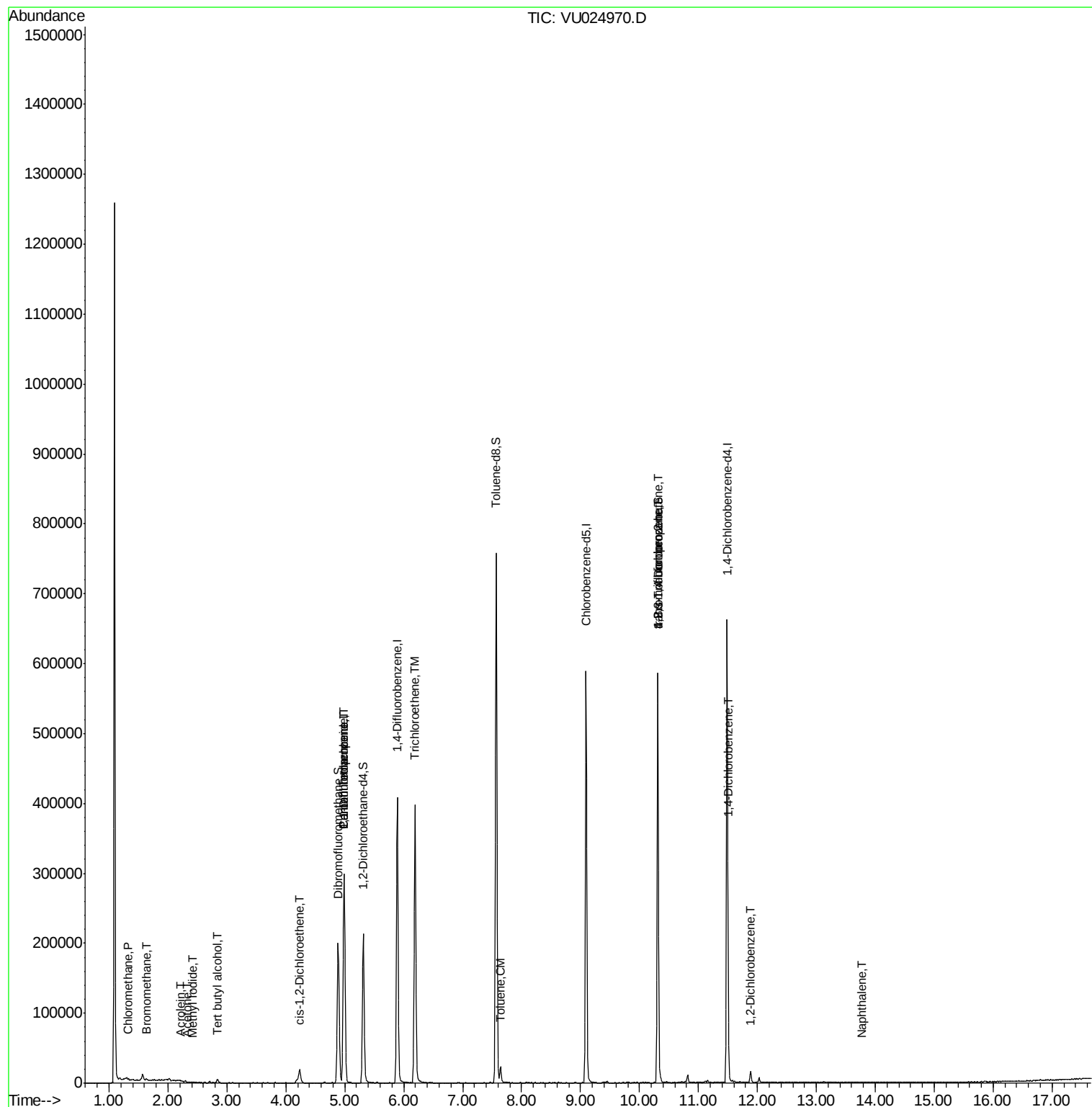
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	629	0.211	ug/l #	86
5) Bromomethane	1.63	94	504	0.339	ug/l #	75
6) Chloroethane	1.77	64	65	Below Cal	#	43
10) Methyl Iodide	2.42	142	175	5.352	ug/l #	40
11) Tert butyl alcohol	2.84	59	2632	2.839	ug/l #	72
13) Acrolein	2.20	56	105	0.216	ug/l #	13
16) Acetone	2.32	43	1096	0.535	ug/l	97
27) cis-1,2-Dichloroethene	4.23	96	10210	3.032	ug/l	89
31) Cyclohexane	4.99	56	4764	Below Cal	#	8
36) 1,1-Dichloropropene	4.99	75	17675	4.288	ug/l #	50
38) Carbon Tetrachloride	4.99	117	21965	4.846	ug/l #	16
44) Trichloroethene	6.19	130	138825	41.533	ug/l	97
52) Toluene	7.64	92	9088	1.203	ug/l	97
76) 1,2,3-Trichloropropane	10.31	75	96870	25.407	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	96870	58.801	ug/l #	100
88) 1,4-Dichlorobenzene	11.51	146	1430	0.228	ug/l #	69
91) 1,2-Dichlorobenzene	11.89	146	7102	1.140	ug/l	93
95) Naphthalene	13.77	128	680	0.732	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: VU024970.D

Acq: 27 Jun 2018 16:40

Instrument :

MSVOA_U

ClientSampleId :

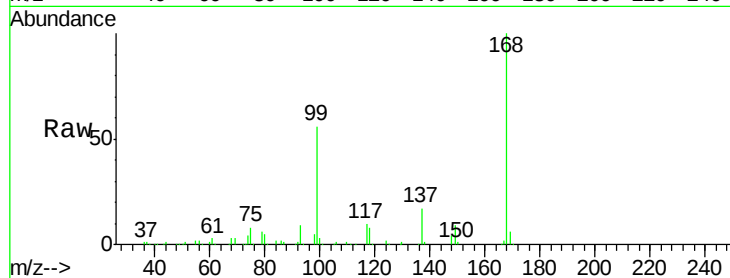
WP021SB471-29-31-180619MEDL

Tgt Ion:168 Resp: 233523

Ion Ratio Lower Upper

168 100

99 55.9 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

120000

100000

80000

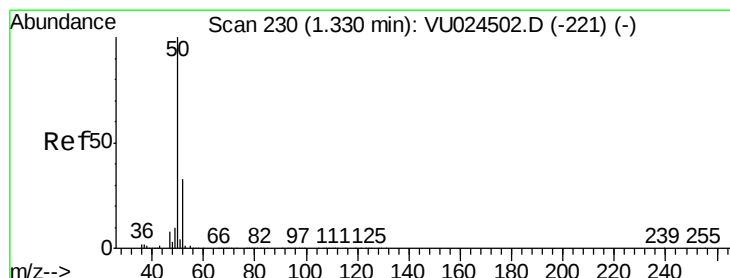
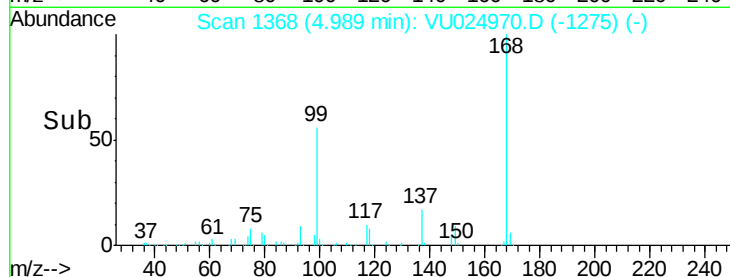
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.211 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024970.D

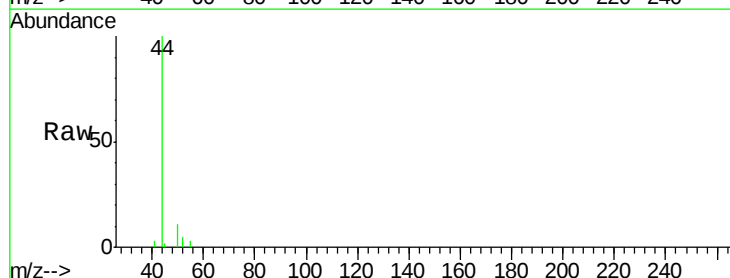
Acq: 27 Jun 2018 16:40

Tgt Ion: 50 Resp: 629

Ion Ratio Lower Upper

50 100

52 40.7 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

500

400

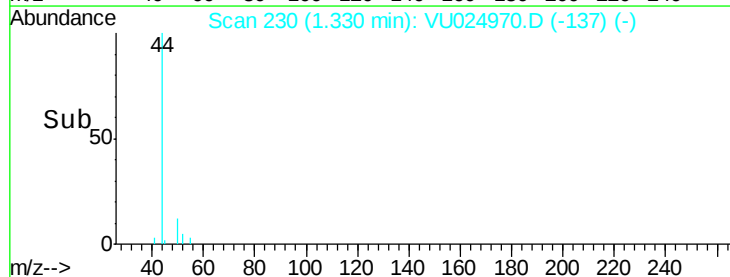
300

200

100

0

Time-->





#5

Bromomethane

Concen: 0.339 ug/l

RT: 1.63 min Scan# 324

Delta R.T. 0.01 min

Lab File: VU024970.D

Acq: 27 Jun 2018 16:40

Instrument :

MSVOA_U

ClientSampleId :

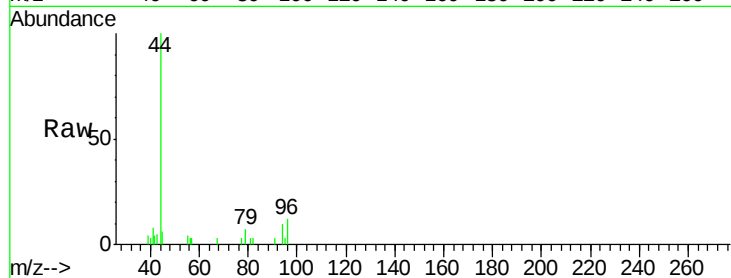
WP021SB471-29-31-180619MEDL

Tgt Ion: 94 Resp: 504

Ion Ratio Lower Upper

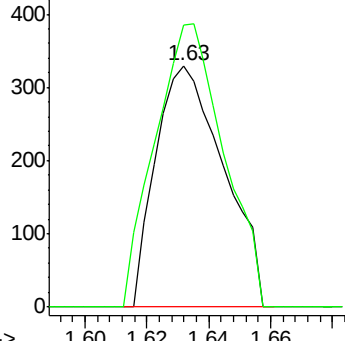
94 100

96 116.7 74.5 111.7#

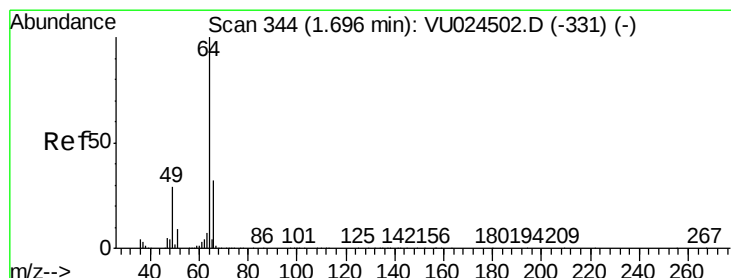
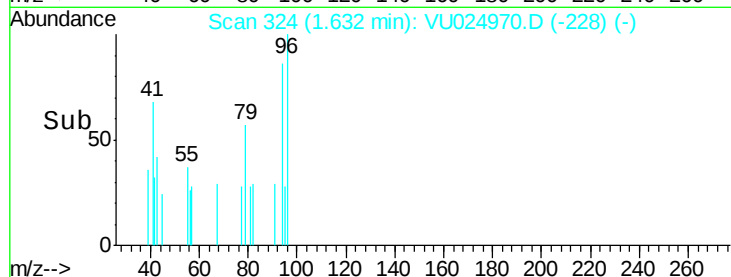


Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.77 min Scan# 366

Delta R.T. 0.07 min

Lab File: VU024970.D

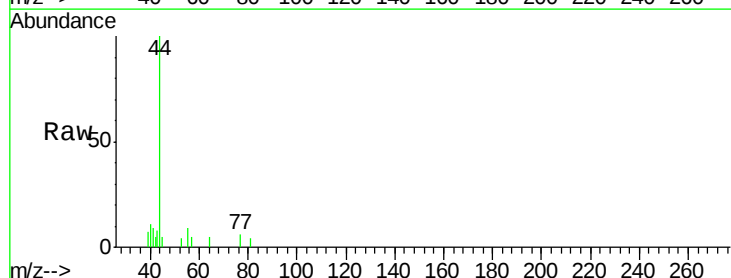
Acq: 27 Jun 2018 16:40

Tgt Ion: 64 Resp: 65

Ion Ratio Lower Upper

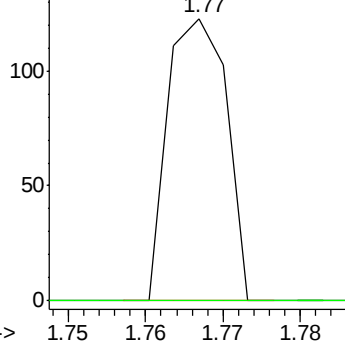
64 100

66 0.0 25.5 38.3#

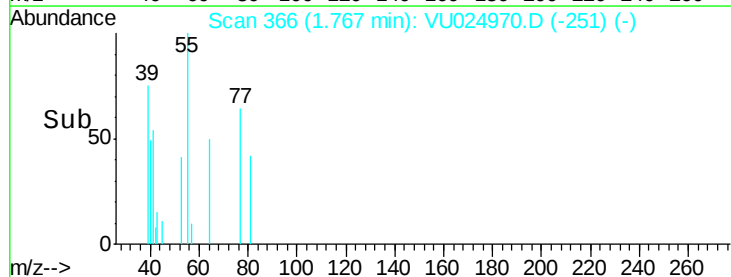


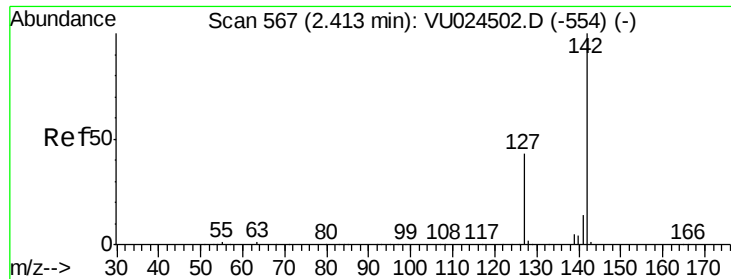
Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



Time-->

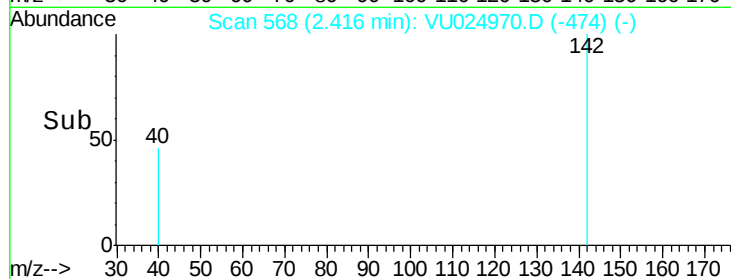
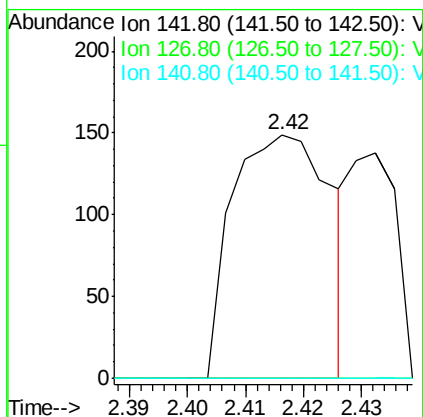
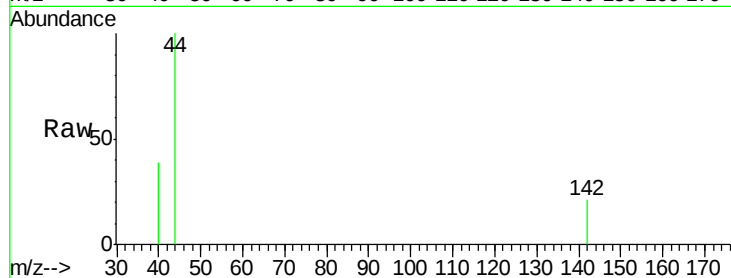




#10
Methyl Iodide
Concen: 5.352 ug/l
RT: 2.42 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU024970.D
Acq: 27 Jun 2018 16:40

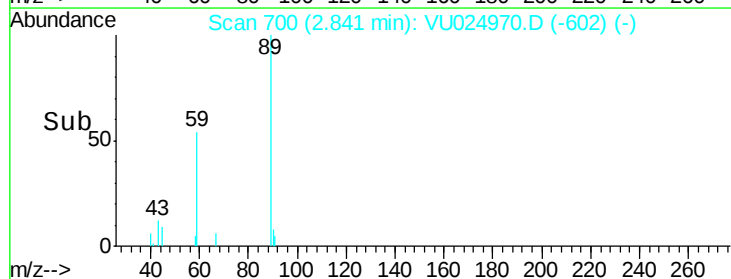
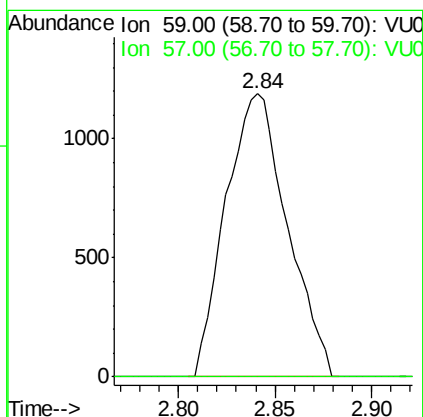
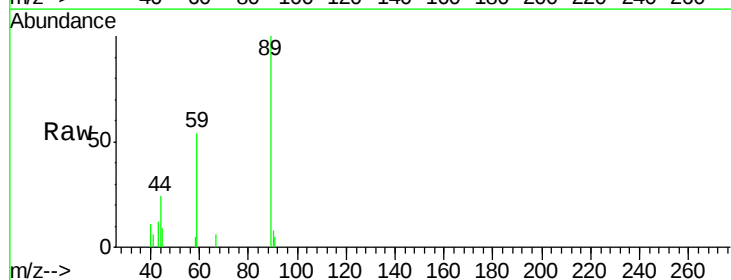
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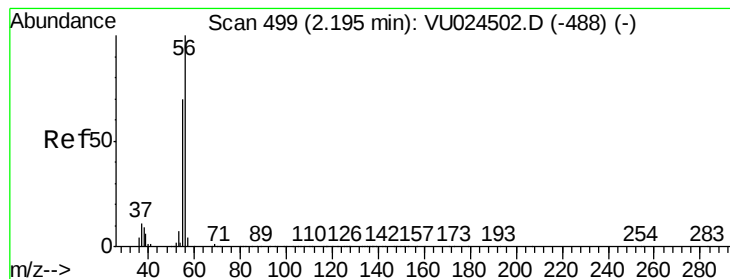
Tgt Ion: 142 Resp: 175
Ion Ratio Lower Upper
142 100
127 0.0 35.6 53.4#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 2.839 ug/l
RT: 2.84 min Scan# 700
Delta R.T. 0.02 min
Lab File: VU024970.D
Acq: 27 Jun 2018 16:40

Tgt Ion: 59 Resp: 2632
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#13

Acrolein

Concen: 0.216 ug/l

RT: 2.20 min Scan# 501

Delta R.T. 0.01 min

Lab File: VU024970.D

Acq: 27 Jun 2018 16:40

Instrument :

MSVOA_U

ClientSampleId :

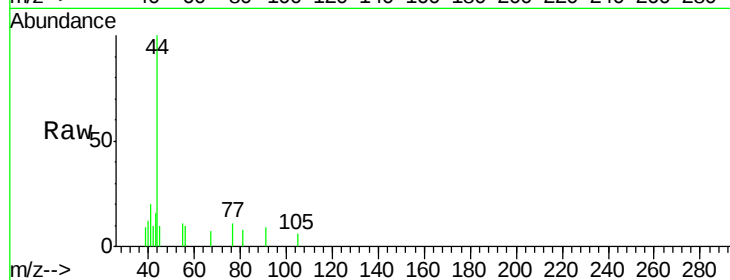
WP021SB471-29-31-180619MEDL

Tgt Ion: 56 Resp: 105

Ion Ratio Lower Upper

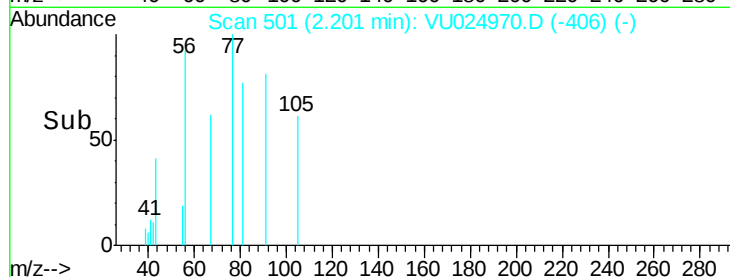
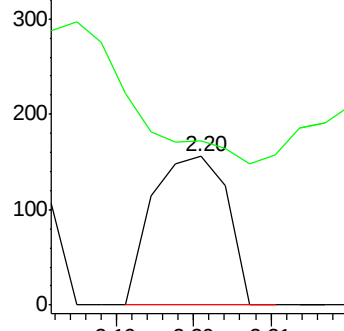
56 100

55 0.0 58.4 87.6#

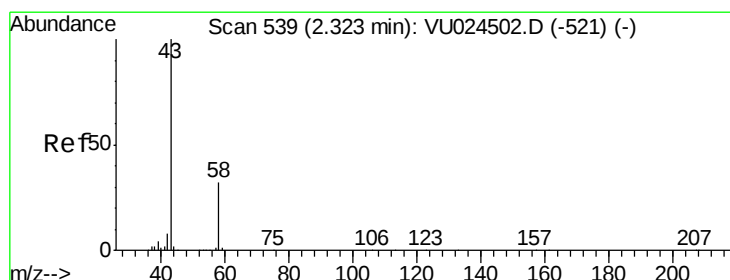


Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



Time-->



#16

Acetone

Concen: 0.535 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU024970.D

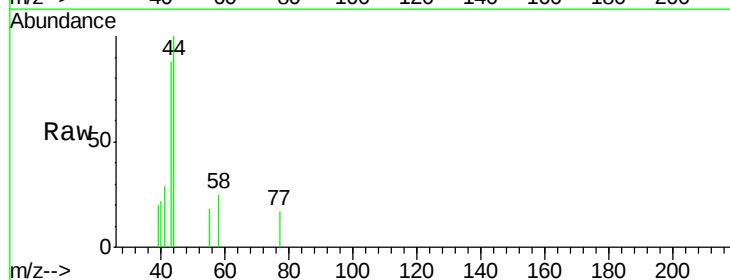
Acq: 27 Jun 2018 16:40

Tgt Ion: 43 Resp: 1096

Ion Ratio Lower Upper

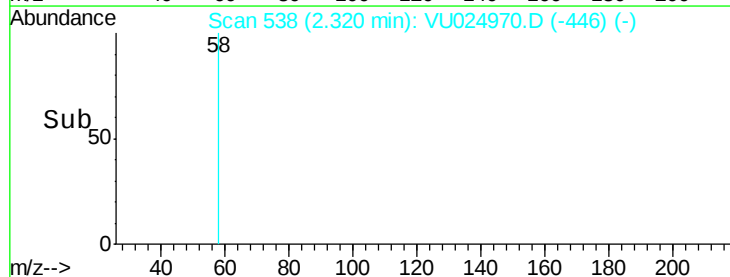
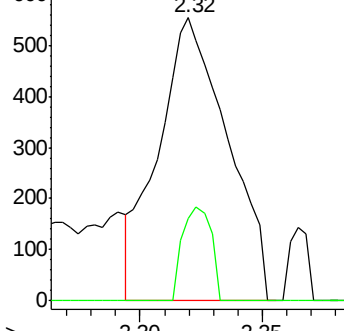
43 100

58 29.1 24.4 36.6

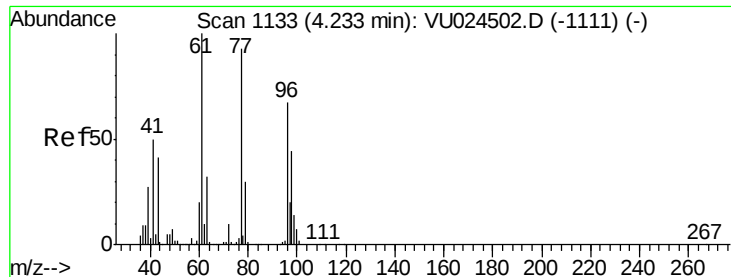


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



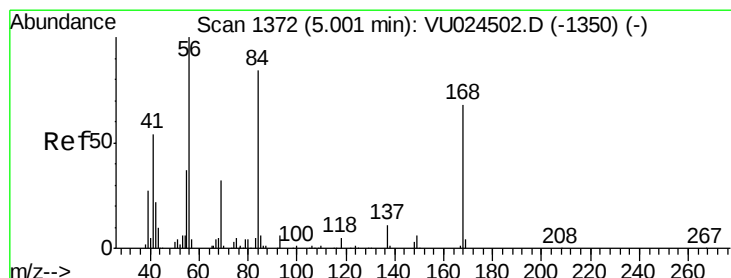
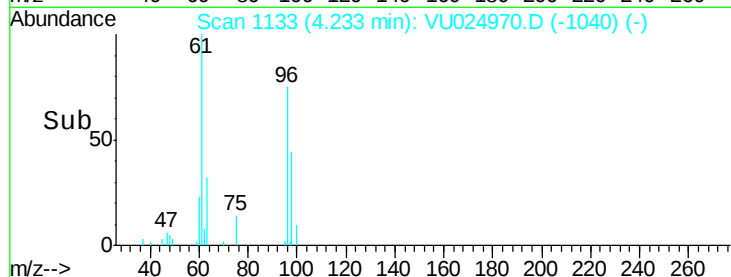
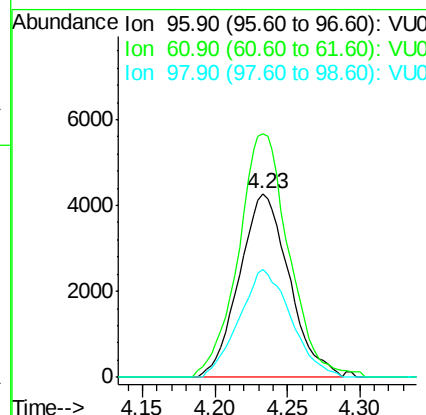
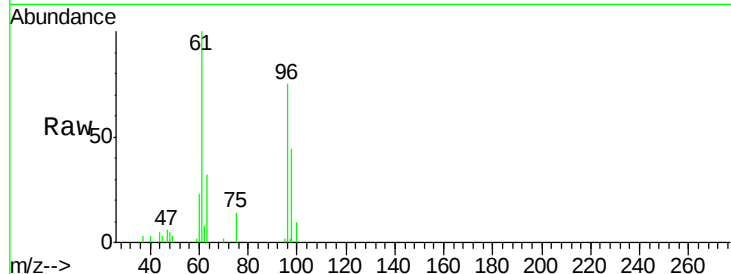
Time-->



#27
 cis-1,2-Dichloroethene
 Concen: 3.032 ug/l
 RT: 4.23 min Scan# 1133
 Delta R.T. -0.00 min
 Lab File: VU024970.D
 Acq: 27 Jun 2018 16:40

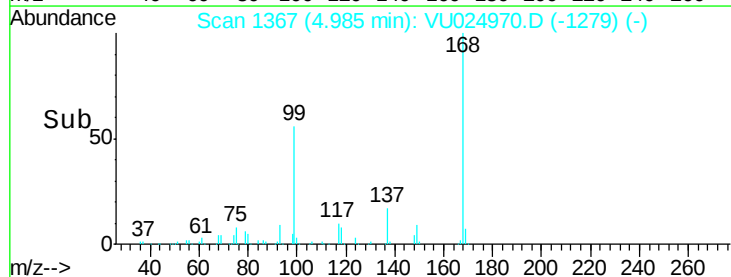
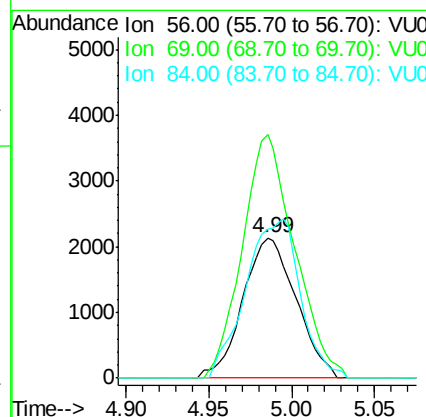
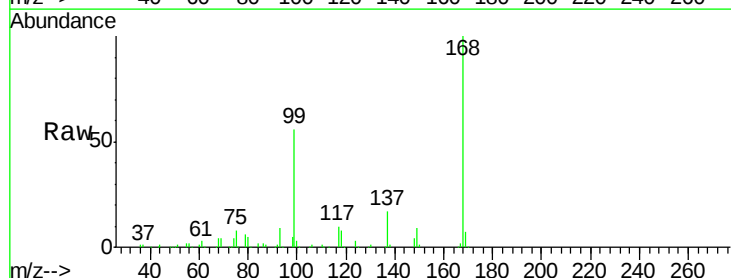
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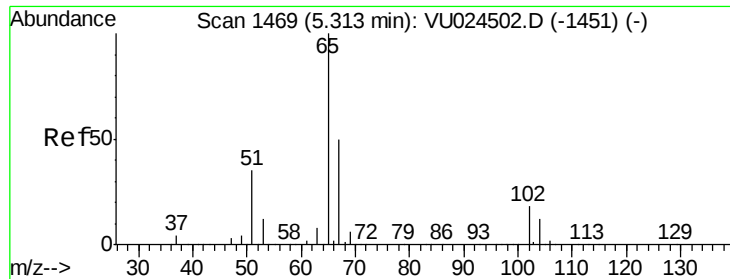
Tgt Ion: 96 Resp: 10210
 Ion Ratio Lower Upper
 96 100
 61 134.9 0.0 306.6
 98 61.1 0.0 128.8



#31
 Cyclohexane
 Concen: Below Cal
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.02 min
 Lab File: VU024970.D
 Acq: 27 Jun 2018 16:40

Tgt Ion: 56 Resp: 4764
 Ion Ratio Lower Upper
 56 100
 69 173.7 24.8 37.2#
 84 106.2 65.2 97.8#

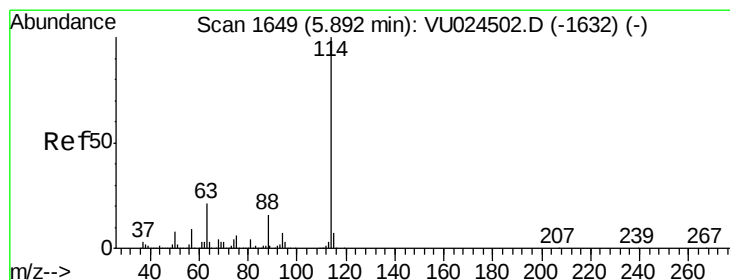
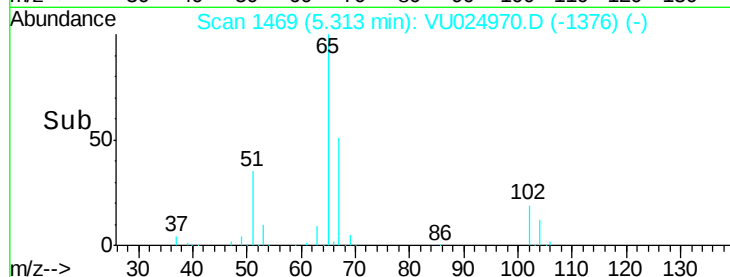
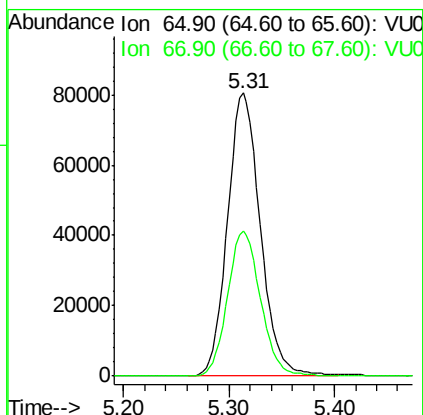
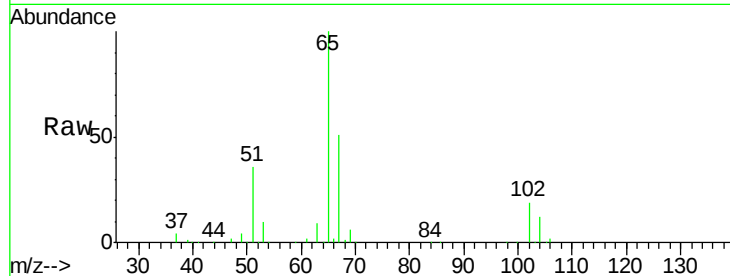




#33
 1,2-Dichloroethane-d4
 Concen: 45.590 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU024970.D
 Acq: 27 Jun 2018 16:40

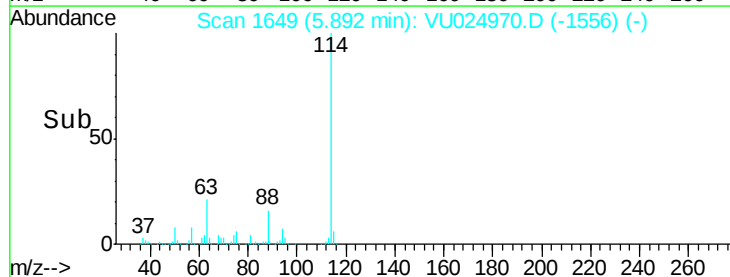
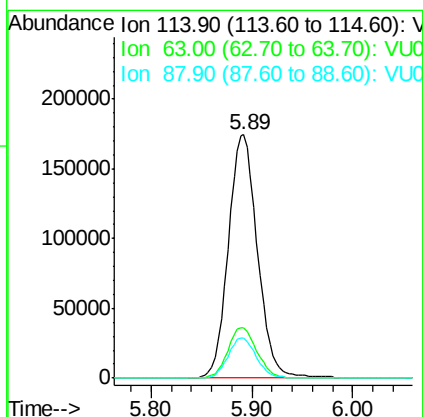
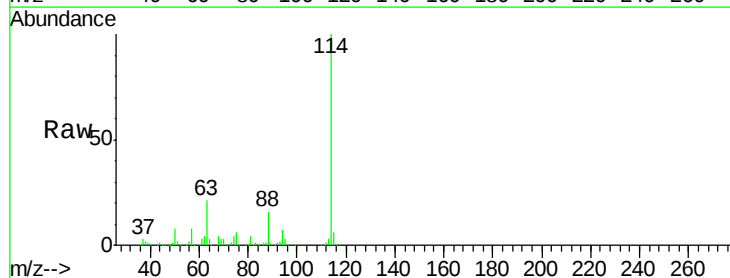
Instrument :
 MSVOA_U
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 WP021SB471-29-31-180619MEDL

Tgt Ion: 65 Resp: 173803
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU024970.D
 Acq: 27 Jun 2018 16:40

Tgt Ion: 114 Resp: 350762
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 45.4
 88 16.2 0.0 31.0





#35

Dibromofluoromethane

Concen: 46.230 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU024970.D

Acq: 27 Jun 2018 16:40

Instrument :

MSVOA_U

ClientSampleId :

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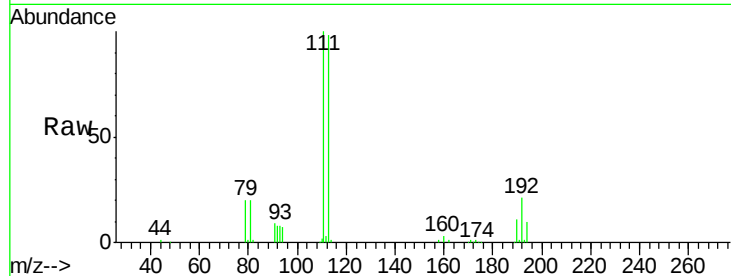
Tgt Ion:113 Resp: 134578

Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.4

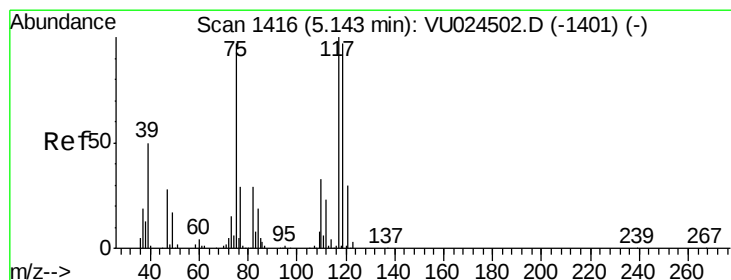
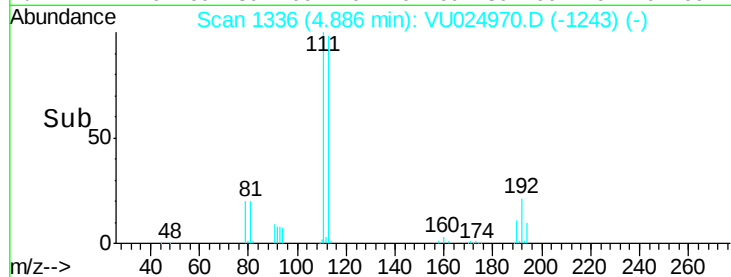
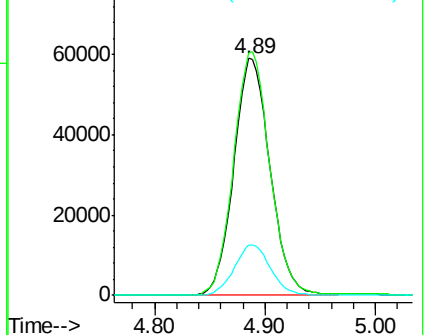
192 21.3 16.2 24.4



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: 4.288 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.16 min

Lab File: VU024970.D

Acq: 27 Jun 2018 16:40

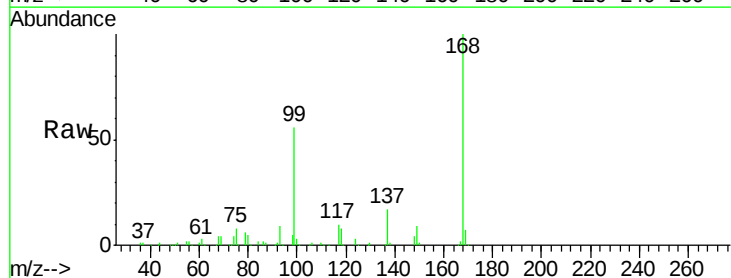
Tgt Ion: 75 Resp: 17675

Ion Ratio Lower Upper

75 100

110 7.9 17.0 50.9#

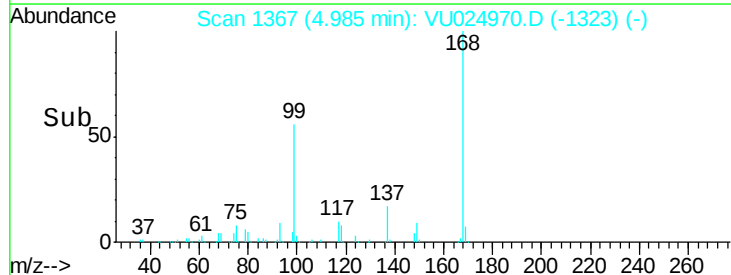
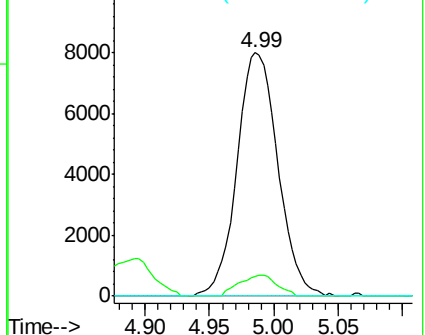
77 0.0 24.2 36.4#

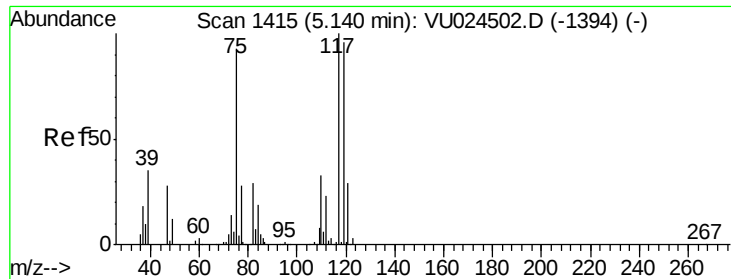


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 4.846 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.15 min

Lab File: VU024970.D

Acq: 27 Jun 2018 16:40

Instrument :

MSVOA_U

ClientSampleId :

WP021SB471-29-31-180619MEDL

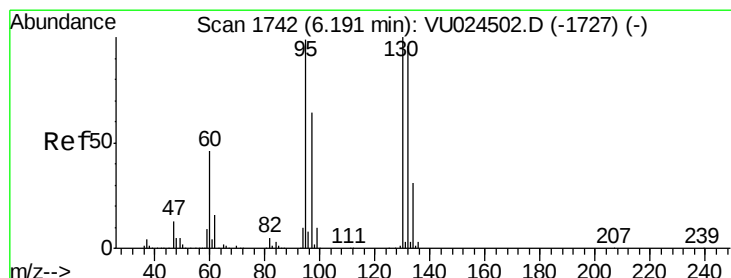
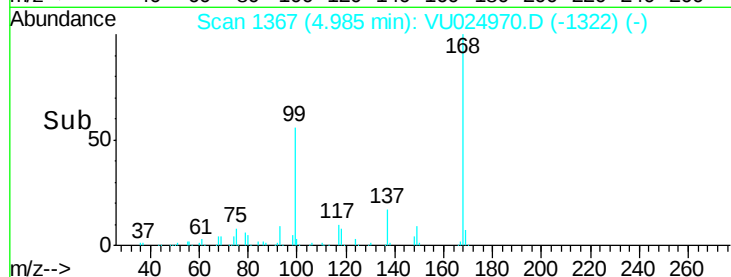
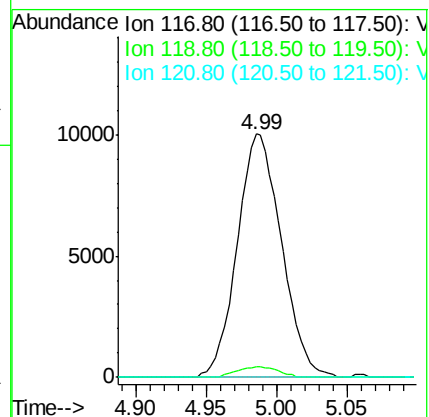
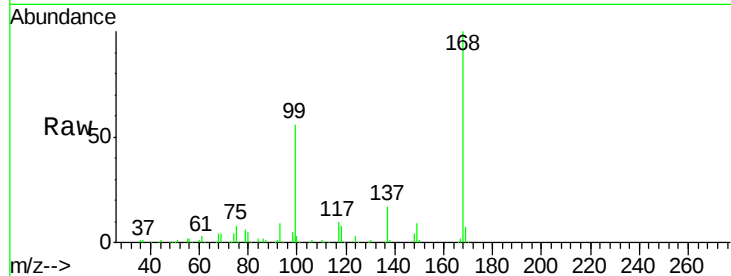
Tgt Ion:117 Resp: 21965

Ion Ratio Lower Upper

117 100

119 4.4 76.1 114.1#

121 0.0 23.7 35.5#



#44

Trichloroethene

Concen: 41.533 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VU024970.D

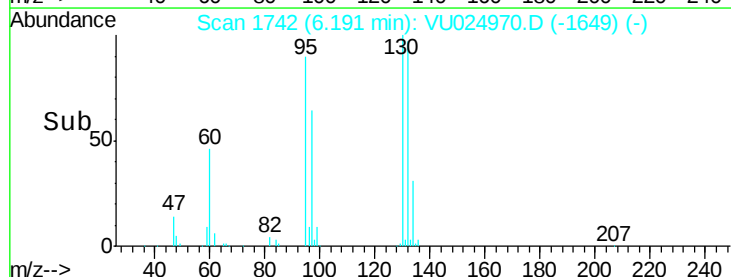
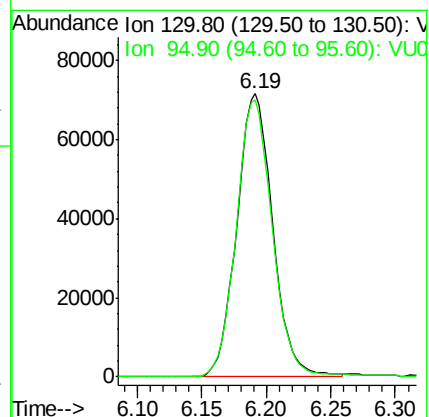
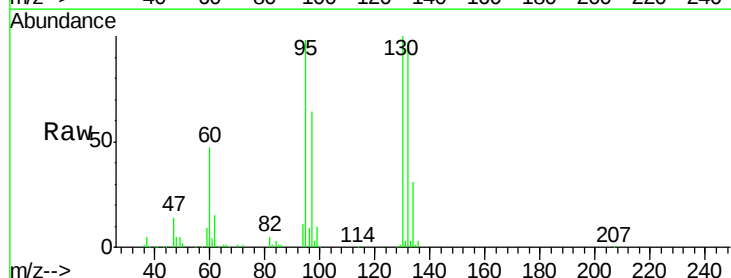
Acq: 27 Jun 2018 16:40

Tgt Ion:130 Resp: 138825

Ion Ratio Lower Upper

130 100

95 97.9 0.0 202.4





#50

Toluene-d8

Concen: 47.580 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024970.D

Acq: 27 Jun 2018 16:40

Instrument :

MSVOA_U

ClientSampleId :

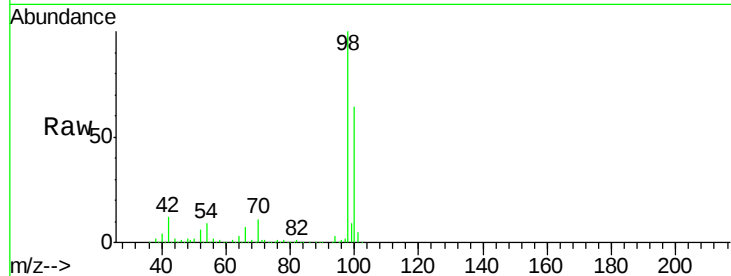
WP021SB471-29-31-180619MEDL

Tgt Ion: 98 Resp: 505221

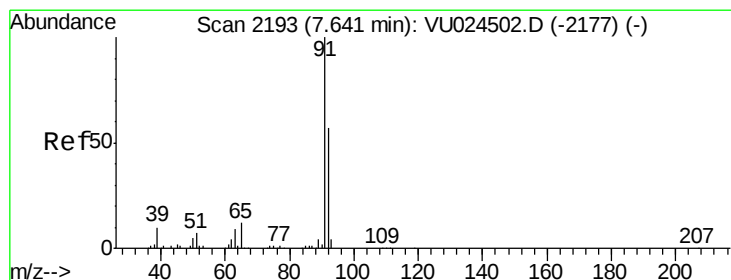
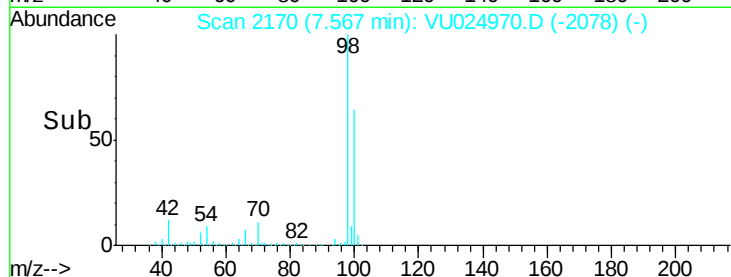
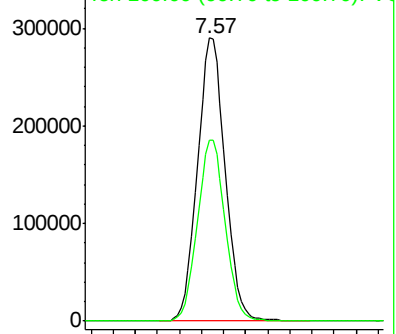
Ion Ratio Lower Upper

98 100

100 64.3 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU024502.D (-2156) (-)



#52

Toluene

Concen: 1.203 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU024970.D

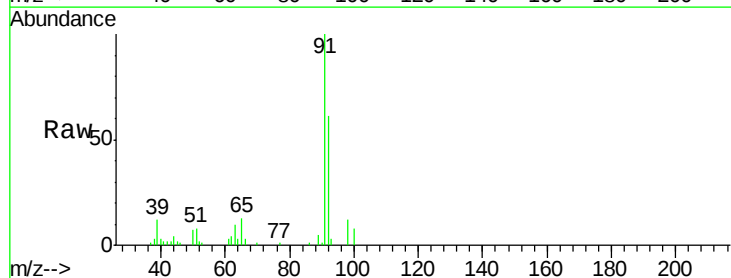
Acq: 27 Jun 2018 16:40

Tgt Ion: 92 Resp: 9088

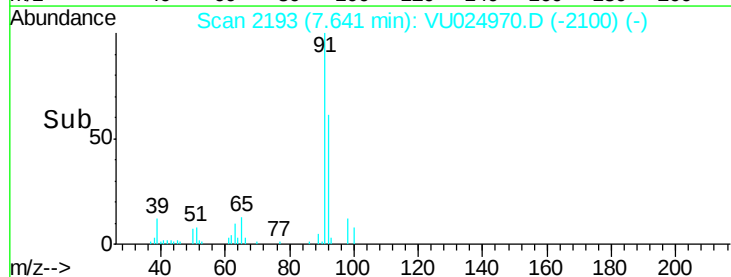
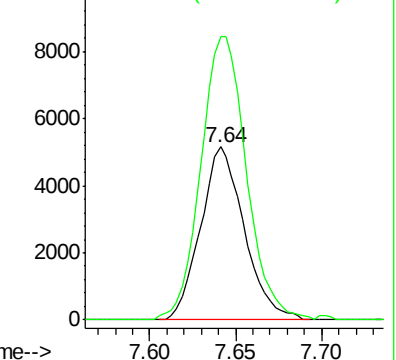
Ion Ratio Lower Upper

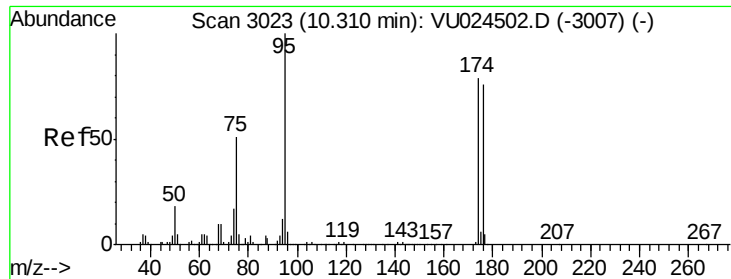
92 100

91 170.7 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VU024502.D (-2177) (-)





#62

4-Bromofluorobenzene

Concen: 45.256 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU024970.D

Acq: 27 Jun 2018 16:40

Instrument :

MSVOA_U

ClientSampleId :

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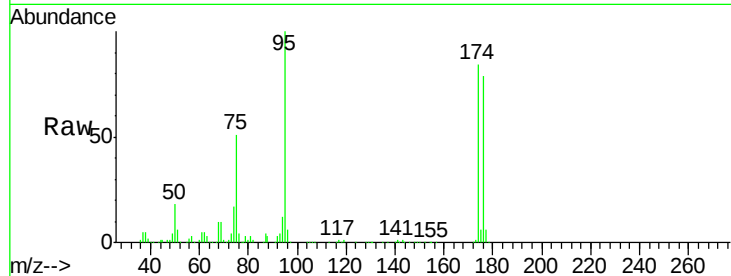
Tgt Ion: 95 Resp: 190794

Ion Ratio Lower Upper

95 100

174 83.6 0.0 165.8

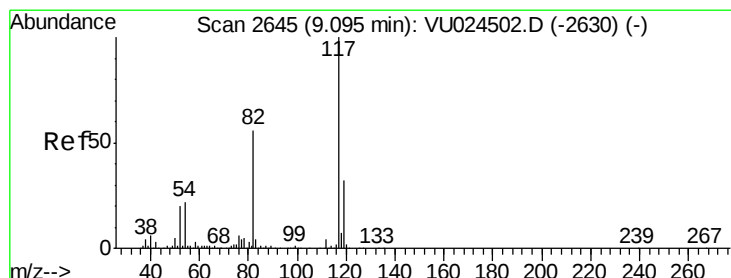
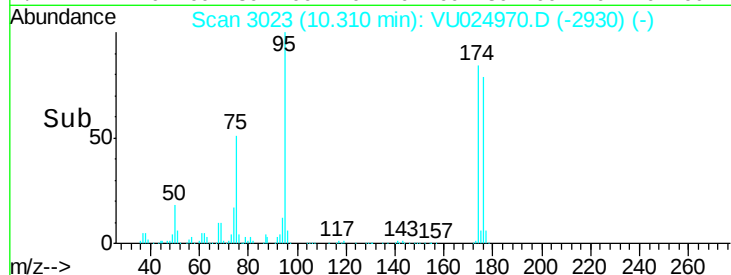
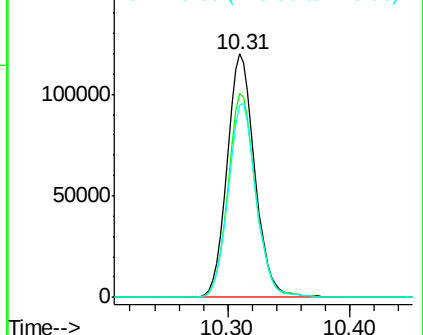
176 80.3 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): VU0

Ion 175.80 (175.50 to 176.50): VU0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. -0.00 min

Lab File: VU024970.D

Acq: 27 Jun 2018 16:40

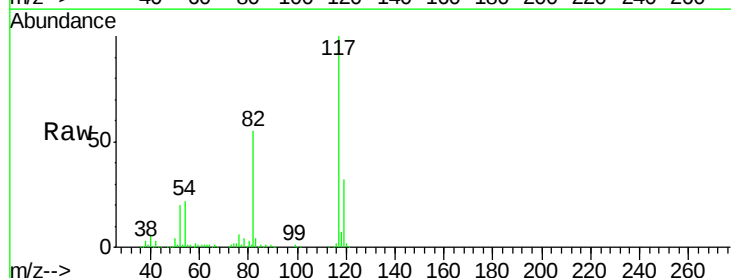
Tgt Ion: 117 Resp: 320405

Ion Ratio Lower Upper

117 100

82 55.4 44.3 66.5

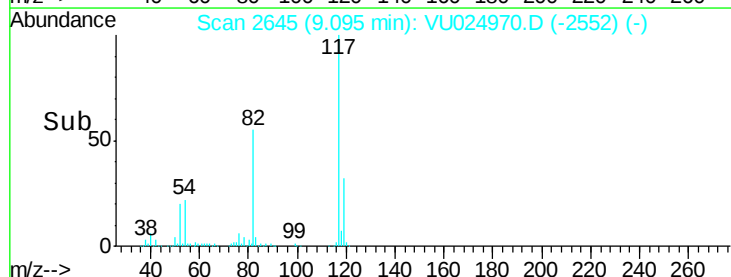
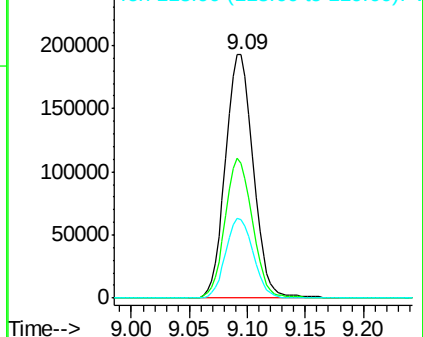
119 32.5 25.4 38.2

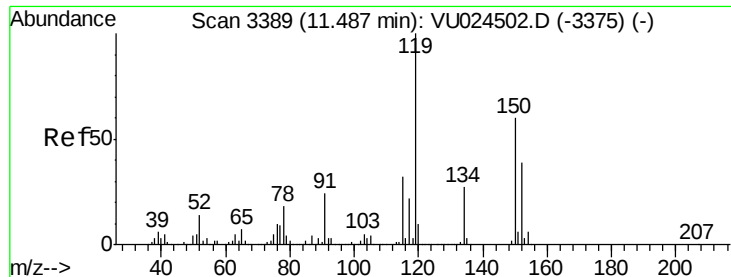


Abundance Ion 116.90 (116.60 to 117.60): VU0

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): VU0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU024970.D

Acq: 27 Jun 2018 16:40

Instrument :

MSVOA_U

ClientSampleId :

WP021SB471-29-31-180619MEDL

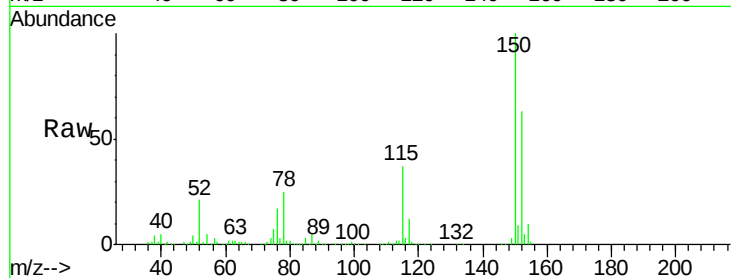
Tgt Ion:152 Resp: 173180

Ion Ratio Lower Upper

152 100

115 58.3 43.0 129.0

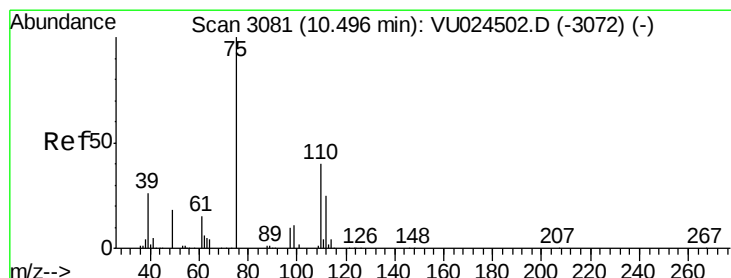
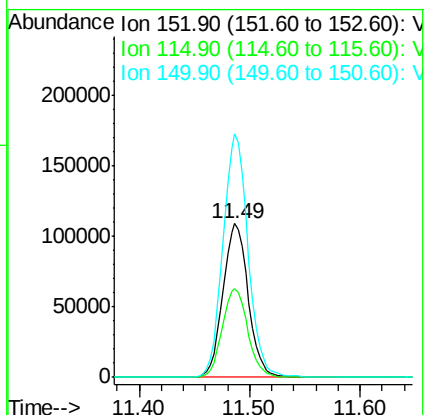
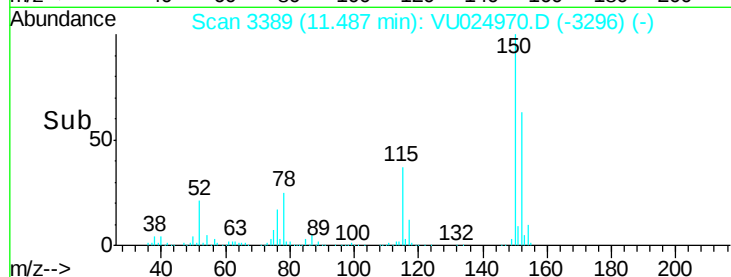
150 156.9 0.0 354.0



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: 25.407 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024970.D

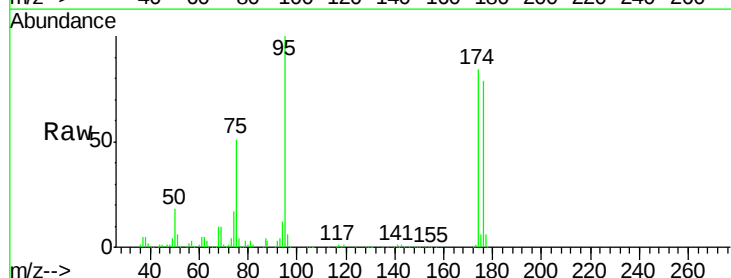
Acq: 27 Jun 2018 16:40

Tgt Ion: 75 Resp: 96870

Ion Ratio Lower Upper

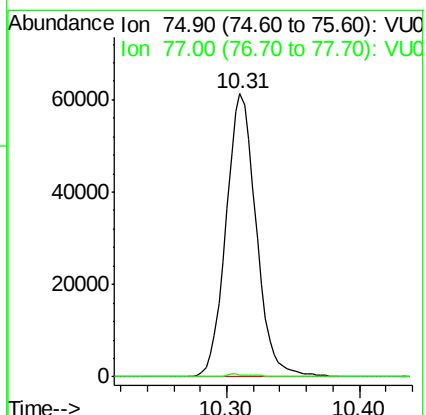
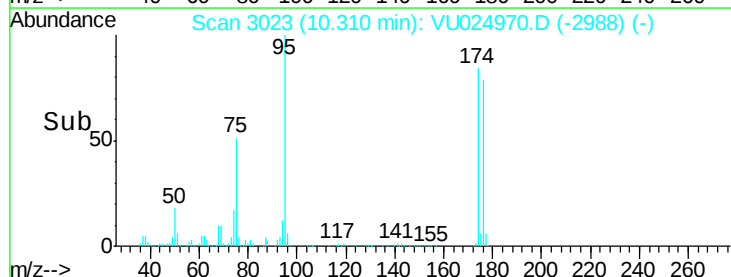
75 100

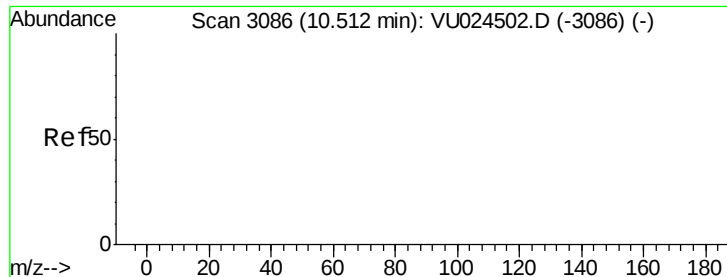
77 0.9 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

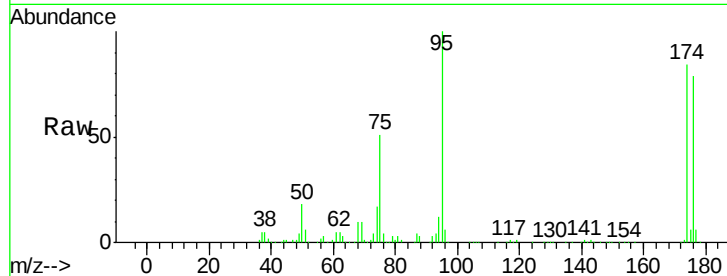




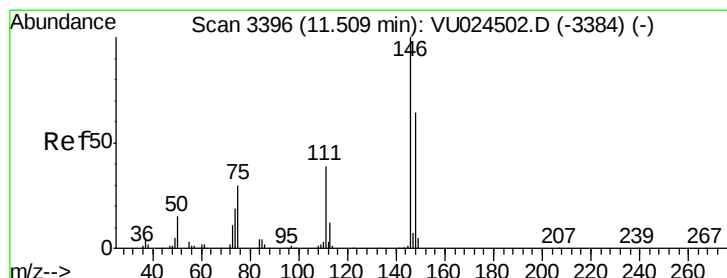
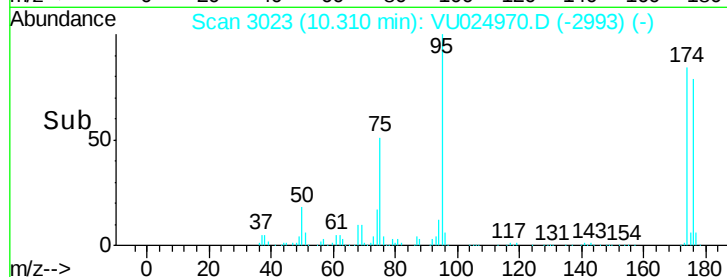
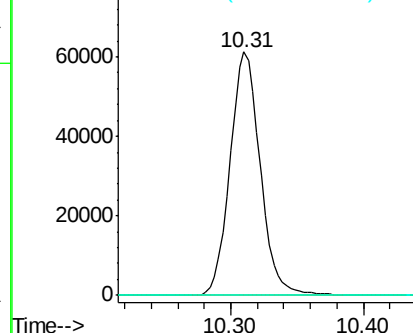
#81
trans-1,4-Dichloro-2-butene
Concen: 58.801 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.20 min
Lab File: VU024970.D
Acq: 27 Jun 2018 16:40

Instrument :
MSVOA_U
ClientSampleId :
WP021SB471-29-31-180619MEDL

Tgt Ion: 75 Resp: 96870
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

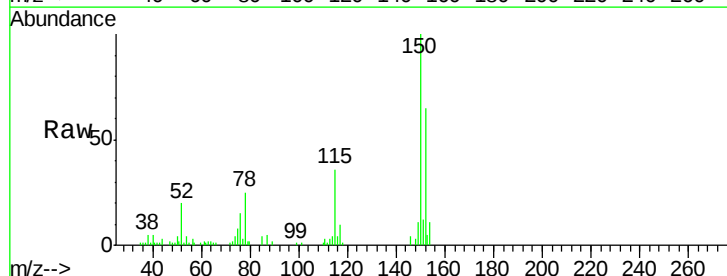


Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0

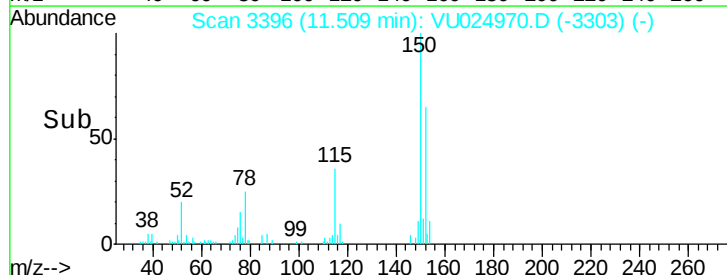
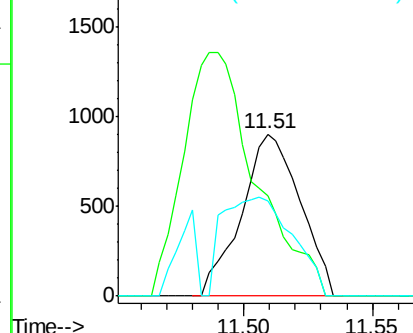


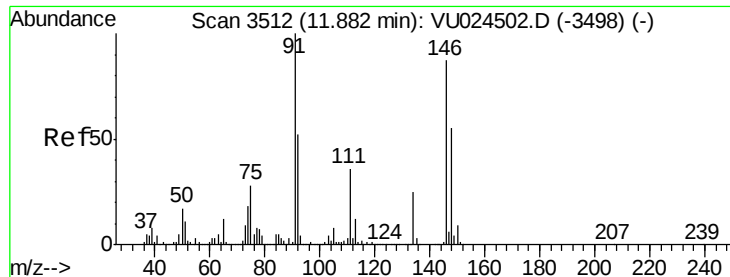
#88
1,4-Dichlorobenzene
Concen: 0.228 ug/l
RT: 11.51 min Scan# 3396
Delta R.T. -0.00 min
Lab File: VU024970.D
Acq: 27 Jun 2018 16:40

Tgt Ion: 146 Resp: 1430
Ion Ratio Lower Upper
146 100
111 0.0 19.5 58.5#
148 72.9 32.4 97.0



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

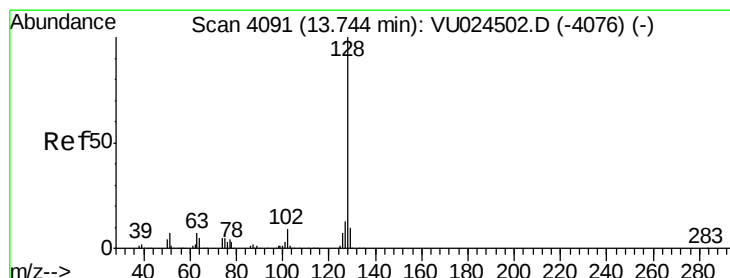
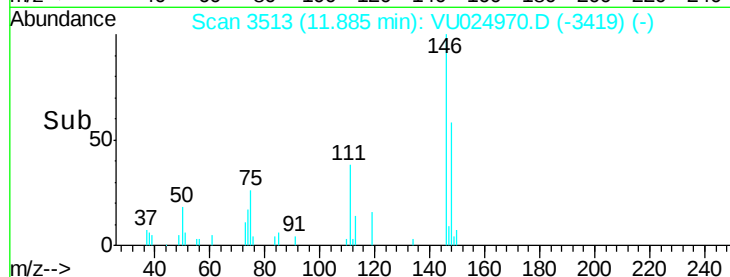
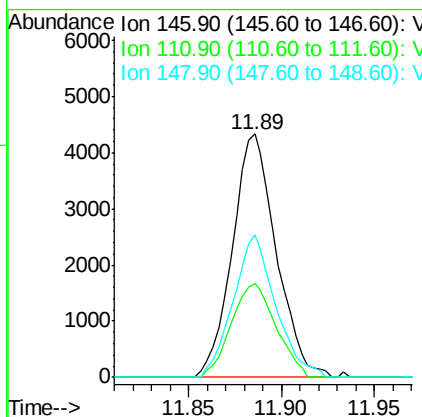
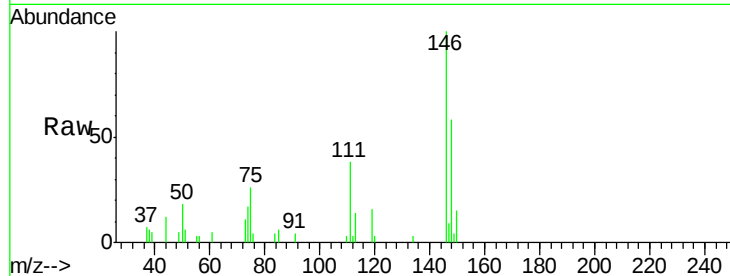




#91
 1,2-Dichlorobenzene
 Concen: 1.140 ug/l
 RT: 11.89 min Scan# 3513
 Delta R.T. 0.00 min
 Lab File: VU024970.D
 Acq: 27 Jun 2018 16:40

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021SB471-29-31-180619MEDL

Tgt Ion:146 Resp: 7102
 Ion Ratio Lower Upper
 146 100
 111 39.2 20.5 61.6
 148 56.5 31.9 95.7



#95
 Naphthalene
 Concen: 0.732 ug/l
 RT: 13.77 min Scan# 4099
 Delta R.T. 0.03 min
 Lab File: VU024970.D
 Acq: 27 Jun 2018 16:40

Tgt Ion:128 Resp: 680
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.6 16.0#
 129 0.0 8.6 12.8#

