

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062518\
 Data File : VU024866.D
 Acq On : 25 Jun 2018 11:41
 Operator : MD/SY
 Sample : VU0625WBL01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 26 05:11:56 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	231953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	347188	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	321137	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	175487	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	170267	44.96	ug/l	0.00
Spiked Amount			Recovery	=	89.92%	
35) Dibromofluoromethane	4.89	113	138816	48.18	ug/l	0.00
Spiked Amount			Recovery	=	96.36%	
50) Toluene-d8	7.57	98	506118	48.16	ug/l	0.00
Spiked Amount			Recovery	=	96.32%	
62) 4-Bromofluorobenzene	10.31	95	189216	45.34	ug/l	0.00
Spiked Amount			Recovery	=	90.68%	

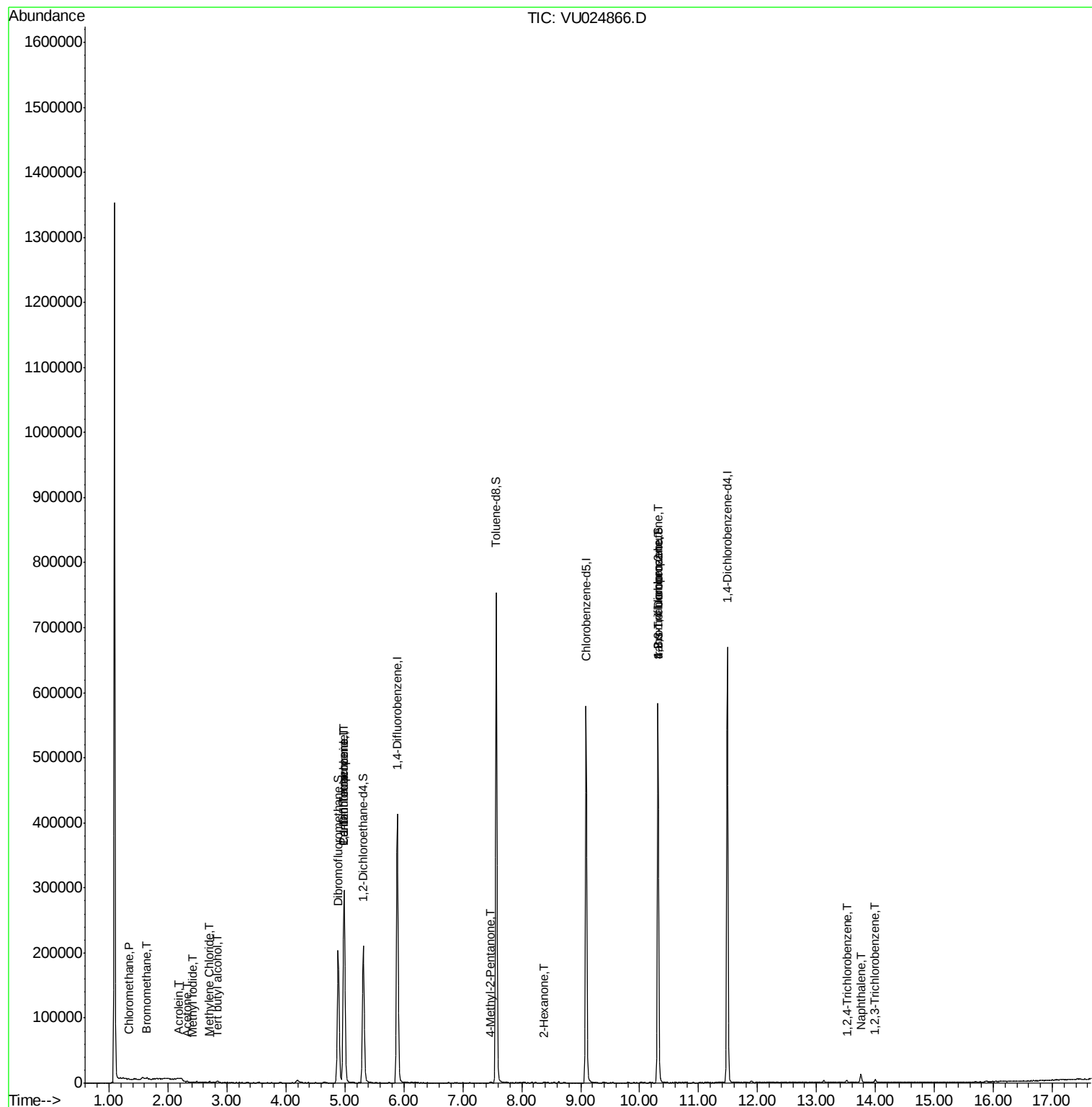
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	668	0.23	ug/l	90
5) Bromomethane	1.64	94	871	0.59	ug/l	91
6) Chloroethane	1.70	64	123	Below Cal	#	43
10) Methyl Iodide	2.42	142	458	5.46	ug/l	# 69
11) Tert butyl alcohol	2.84	59	1217	1.32	ug/l	# 72
13) Acrolein	2.19	56	339	0.70	ug/l	# 1
16) Acetone	2.32	43	910	0.45	ug/l	# 44
20) Methylene Chloride	2.71	84	1137	0.36	ug/l	# 69
31) Cyclohexane	4.99	56	4920	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	17291	4.24	ug/l	# 50
38) Carbon Tetrachloride	4.99	117	21976	4.90	ug/l	# 17
51) 4-Methyl-2-Pentanone	7.47	43	1277	0.26	ug/l	# 61
59) 2-Hexanone	8.38	43	1114	0.28	ug/l	64
76) 1,2,3-Trichloropropane	10.31	75	96562	24.99	ug/l	# 35
81) trans-1,4-Dichloro-2-buten	10.31	75	96562	57.84	ug/l	# 100
93) 1,2,4-Trichlorobenzene	13.51	180	1399	0.36	ug/l	97
95) Naphthalene	13.75	128	11635	1.57	ug/l	97
96) 1,2,3-Trichlorobenzene	13.99	180	1897	0.49	ug/l	96

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

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Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024866.D

Acq: 25 Jun 2018 11:41

Instrument :

MSVOA_U

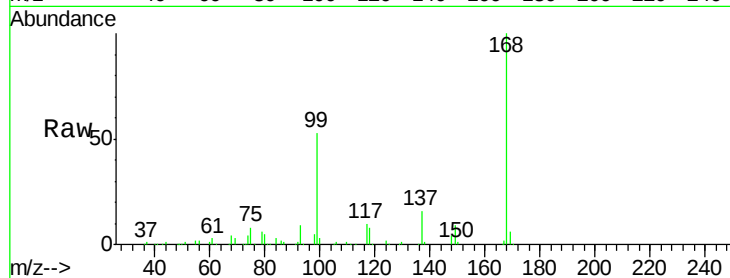
ClientSampleId :

Tot Ion:168 Resp: 231953

Ion Ratio Lower Upper

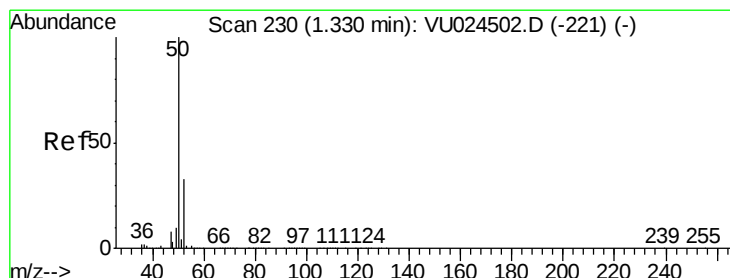
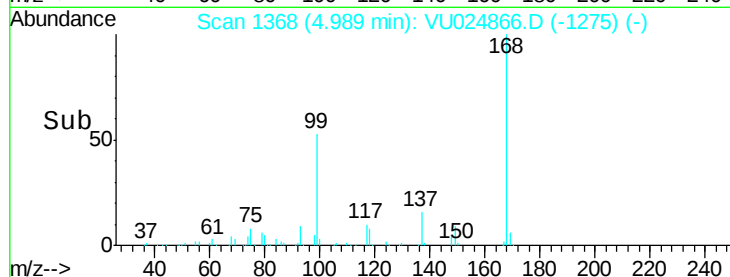
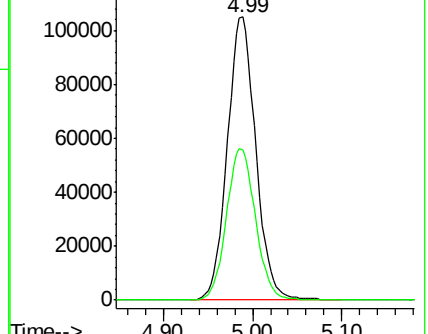
168 100

99 53.2 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) (-)



#3

Chloromethane

Concen: 0.23 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024866.D

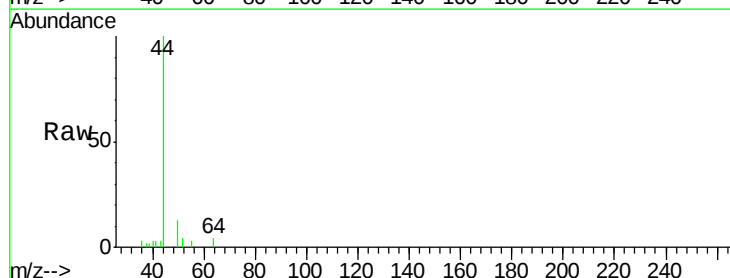
Acq: 25 Jun 2018 11:41

Tgt Ion: 50 Resp: 668

Ion Ratio Lower Upper

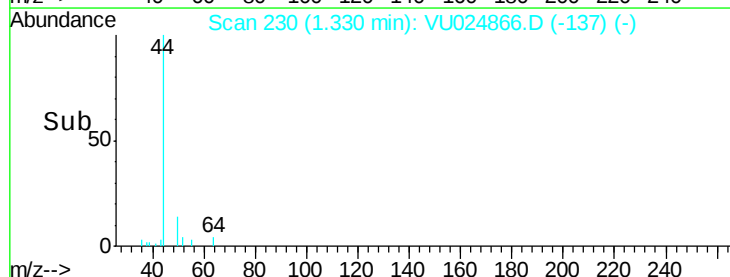
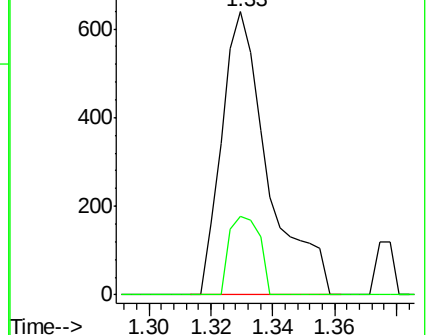
50 100

52 27.6 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) (-)





#5

Bromomethane

Concen: 0.59 ug/l

RT: 1.64 min Scan# 325

Delta R.T. 0.01 min

Lab File: VU024866.D

Acq: 25 Jun 2018 11:41

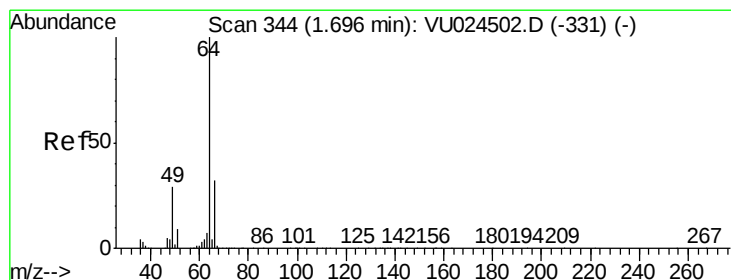
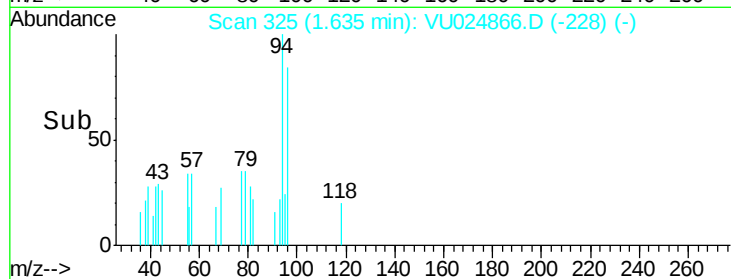
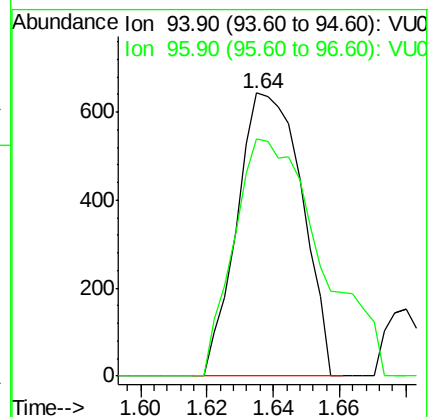
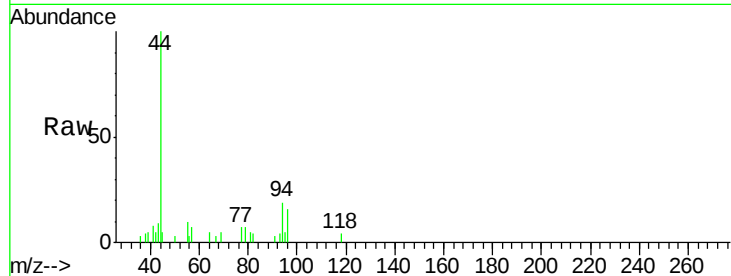
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 94 Resp: 871

Ion Ratio Lower Upper

94 100

96 84.0 74.5 111.7



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 346

Delta R.T. 0.01 min

Lab File: VU024866.D

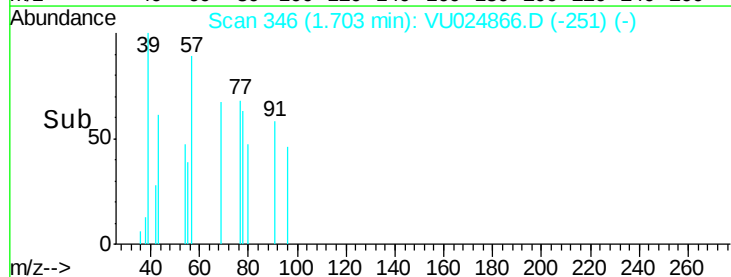
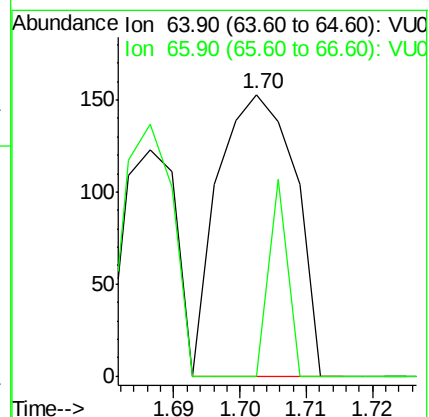
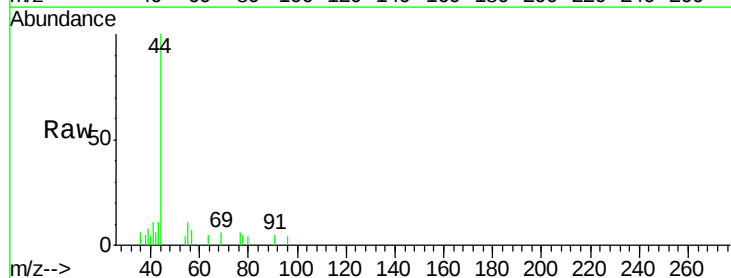
Acq: 25 Jun 2018 11:41

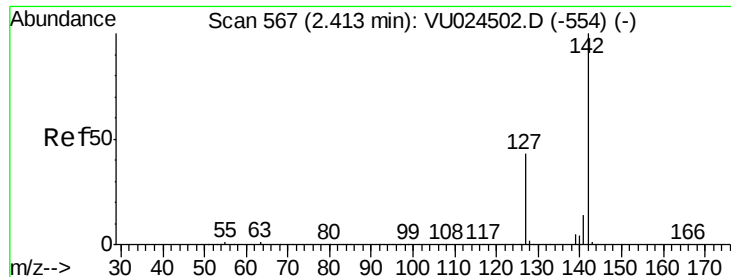
Tgt Ion: 64 Resp: 123

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#





#10

Methvl Iodide

Concen: 5.46 ug/l

RT: 2.42 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU024866.D

Acq: 25 Jun 2018 11:41

Instrument :

MSVOA_U

ClientSampleId :

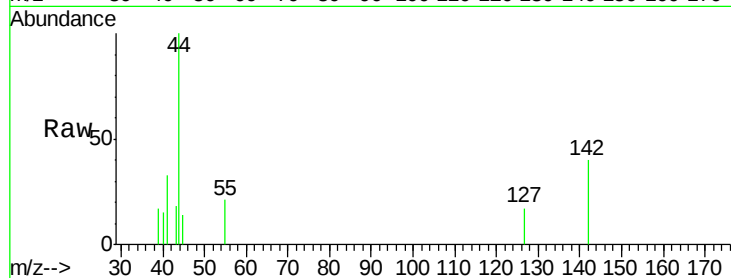
Tot Ion:142 Resp: 458

Ion Ratio Lower Upper

142 100

127 25.1 35.6 53.4#

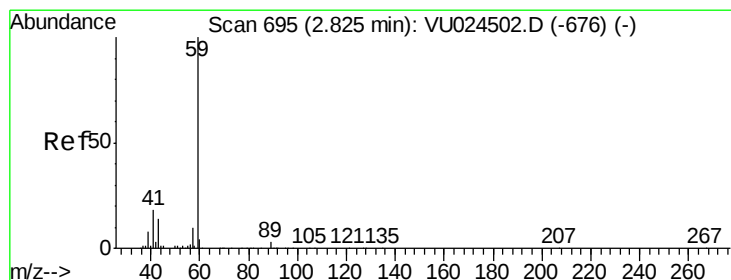
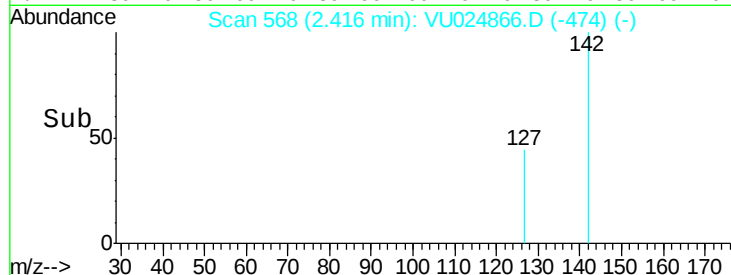
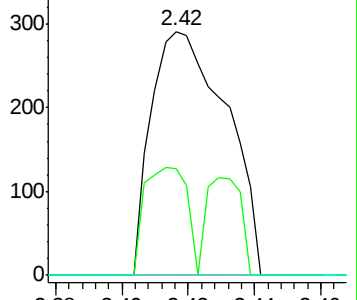
141 0.0 11.7 17.5#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 1.32 ug/l

RT: 2.84 min Scan# 700

Delta R.T. 0.02 min

Lab File: VU024866.D

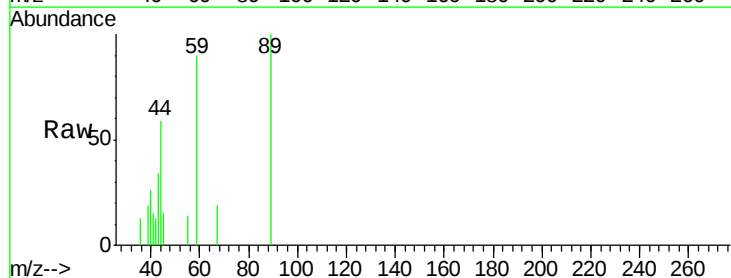
Acq: 25 Jun 2018 11:41

Tgt Ion: 59 Resp: 1217

Ion Ratio Lower Upper

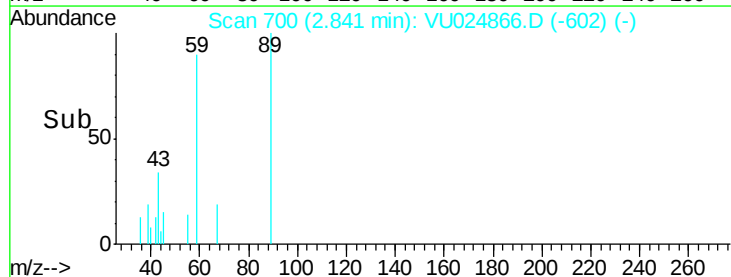
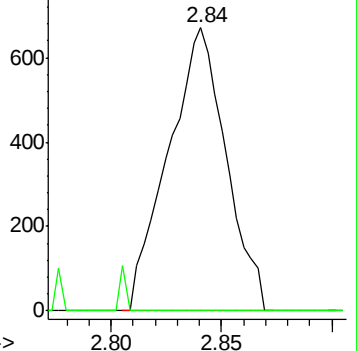
59 100

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





#13

Acrolein

Concen: 0.70 ug/l

RT: 2.19 min Scan# 497

Delta R.T. -0.01 min

Lab File: VU024866.D

Acq: 25 Jun 2018 11:41

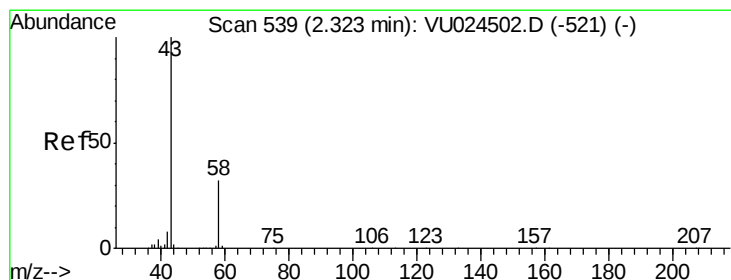
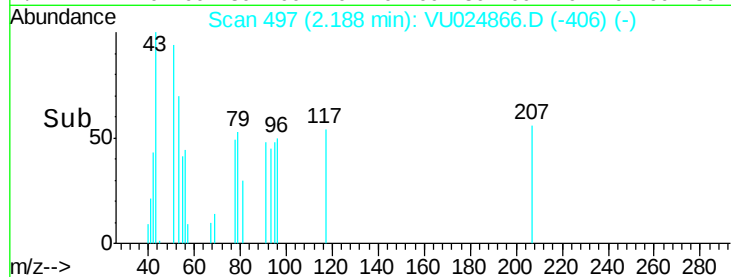
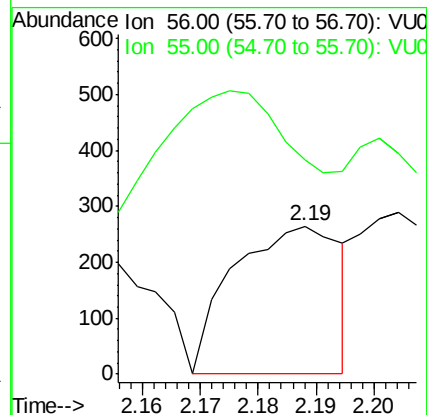
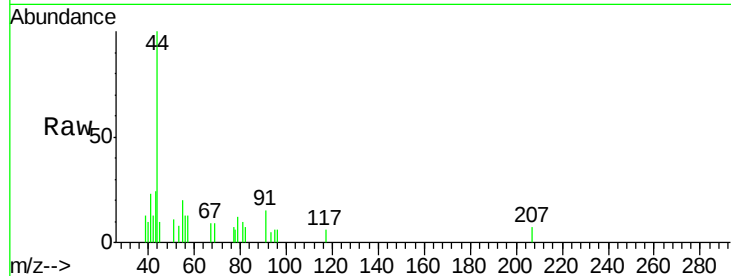
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 339

Ion Ratio Lower Upper

56 100

55 155.8 58.4 87.6#



#16

Acetone

Concen: 0.45 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU024866.D

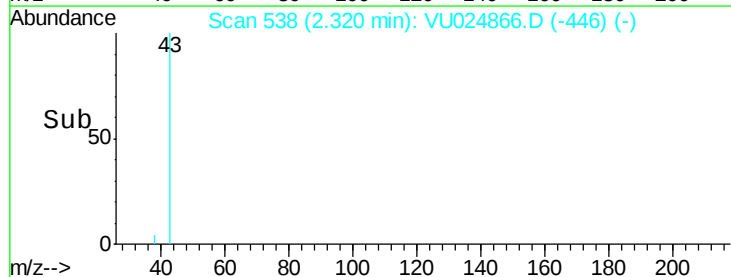
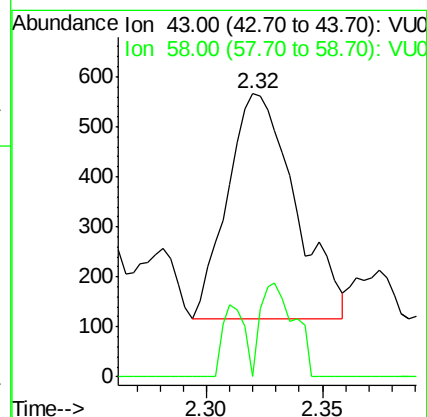
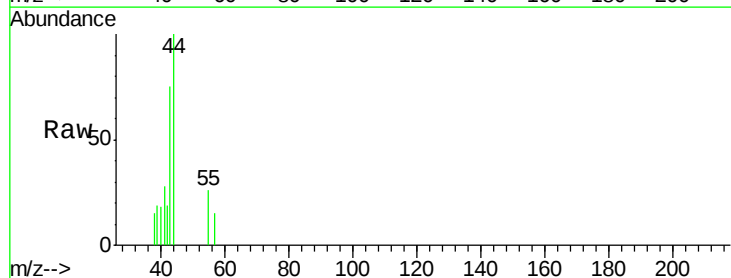
Acq: 25 Jun 2018 11:41

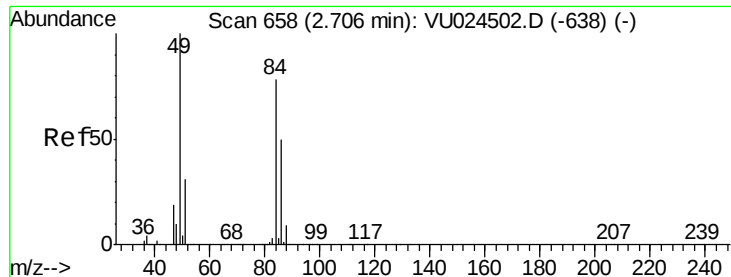
Tgt Ion: 43 Resp: 910

Ion Ratio Lower Upper

43 100

58 0.0 24.4 36.6#

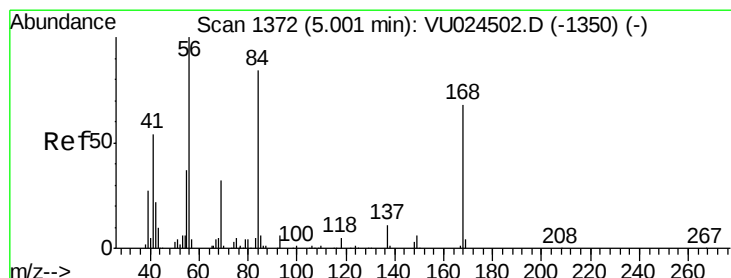
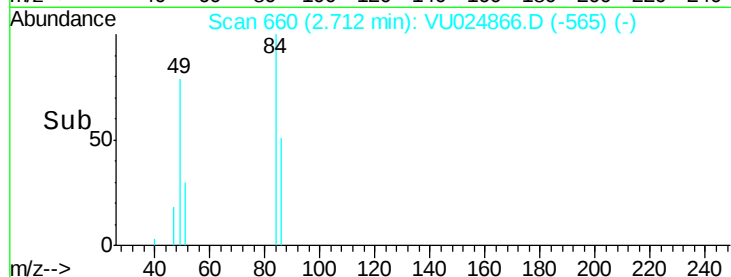
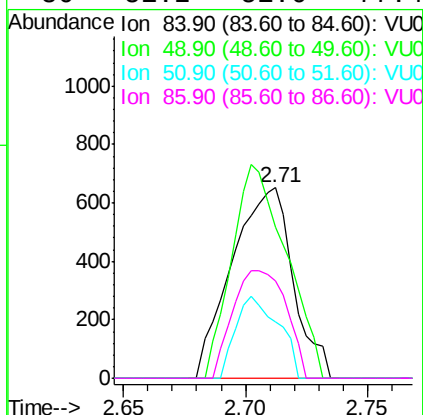
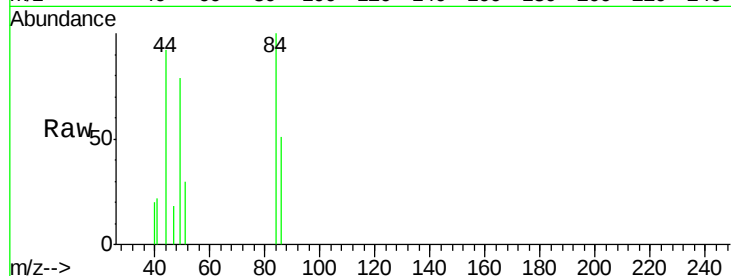




#20
Methvlene Chloride
Concen: 0.36 ua/l
RT: 2.71 min Scan# 660
Delta R.T. 0.01 min
Lab File: VU024866.D
Acq: 25 Jun 2018 11:41

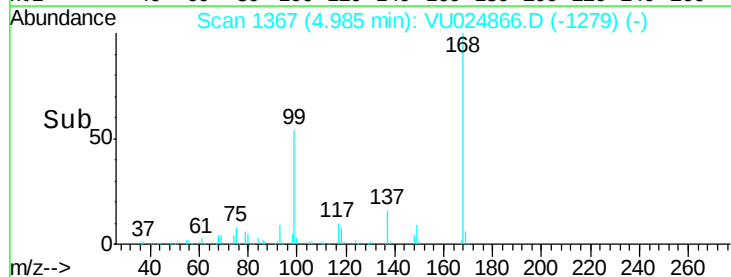
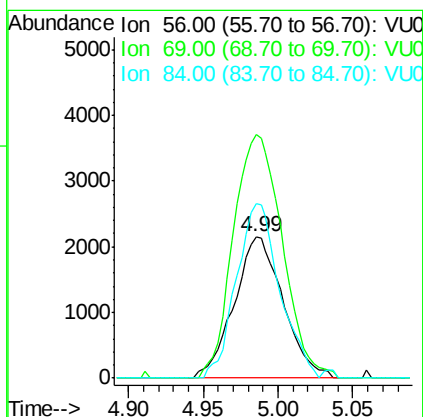
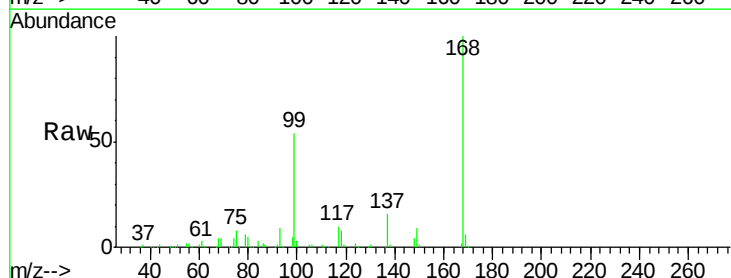
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 84 Resp: 1137
Ion Ratio Lower Upper
84 100
49 79.3 103.8 155.8#
51 29.9 32.0 48.0#
86 51.2 51.6 77.4#



#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1367
Delta R.T. -0.02 min
Lab File: VU024866.D
Acq: 25 Jun 2018 11:41

Tgt Ion: 56 Resp: 4920
Ion Ratio Lower Upper
56 100
69 172.1 24.8 37.2#
84 123.6 65.2 97.8#





#33

1,2-Dichloroethane-d4

Concen: 44.96 ug/l

RT: 5.31 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VU024866.D

Acq: 25 Jun 2018 11:41

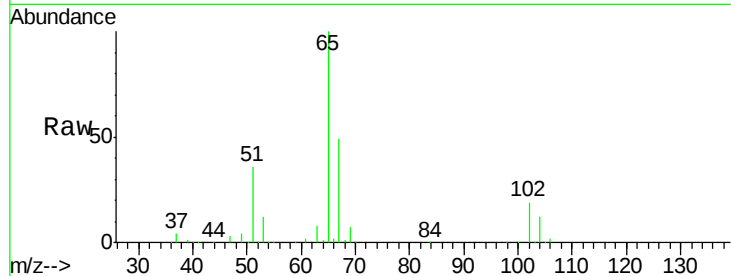
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 65 Resp: 170267

Ion Ratio Lower Upper

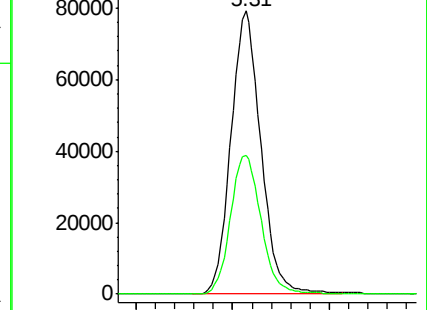
65 100

67 50.3 0.0 107.0

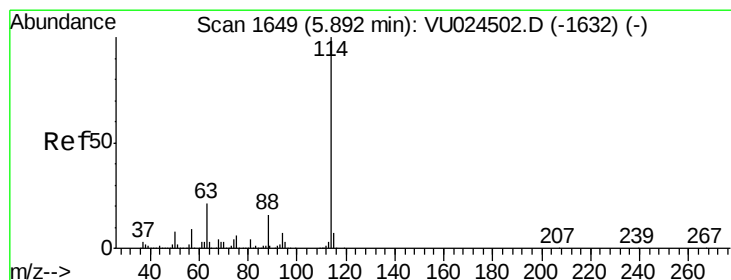
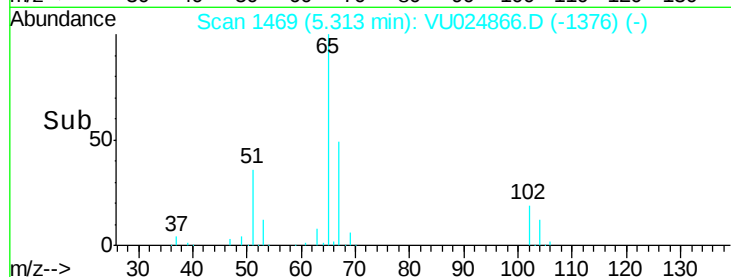


Abundance Ion 64.90 (64.60 to 65.60): VU024866.D (-1376) (-)

Ion 66.90 (66.60 to 67.60): VU024866.D (-1376) (-)



Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU024866.D

Acq: 25 Jun 2018 11:41

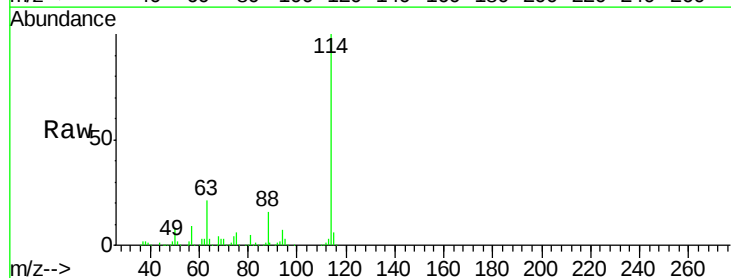
Tgt Ion: 114 Resp: 347188

Ion Ratio Lower Upper

114 100

63 20.6 0.0 45.4

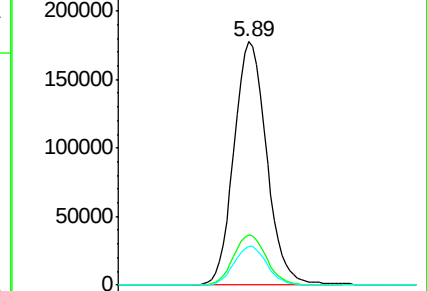
88 16.0 0.0 31.0



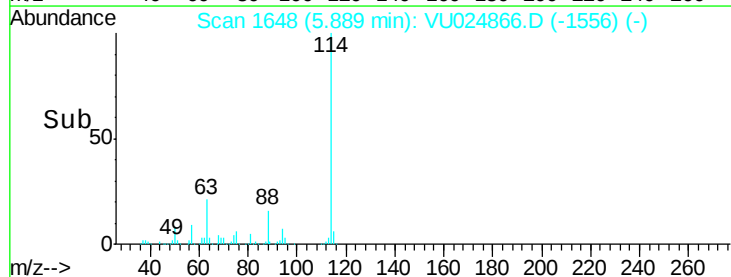
Abundance Ion 113.90 (113.60 to 114.60): VU024866.D (-1556) (-)

Ion 63.00 (62.70 to 63.70): VU024866.D (-1556) (-)

Ion 87.90 (87.60 to 88.60): VU024866.D (-1556) (-)



Time-->

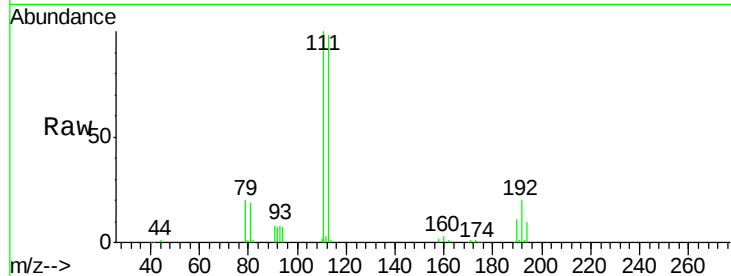




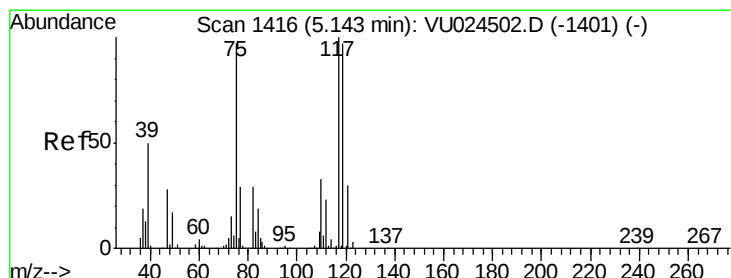
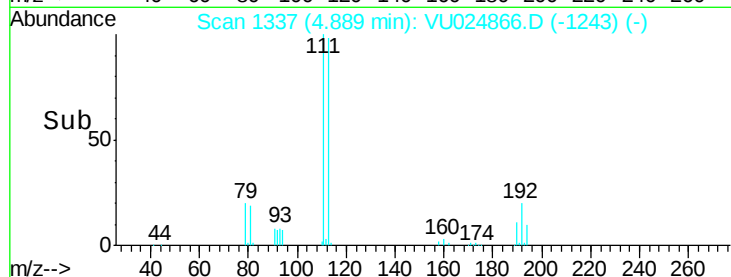
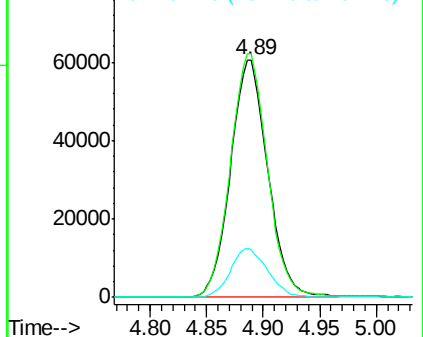
#35
Dibromofluoromethane
Concen: 48.18 ug/l
RT: 4.89 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VU024866.D
Acq: 25 Jun 2018 11:41

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.2	123.4
192	20.5	16.2	24.4

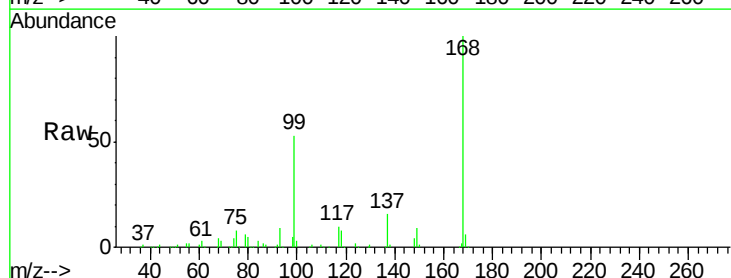


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

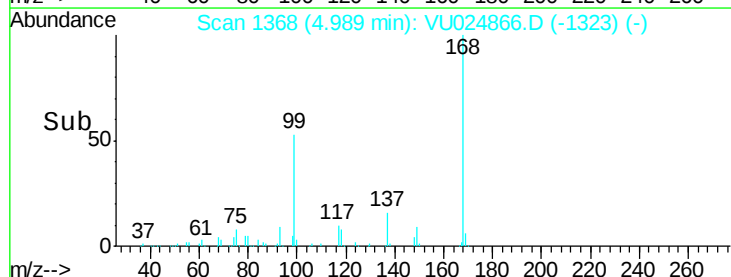
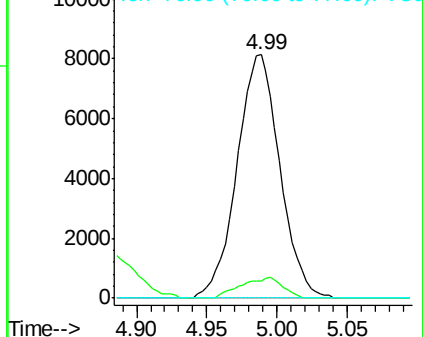


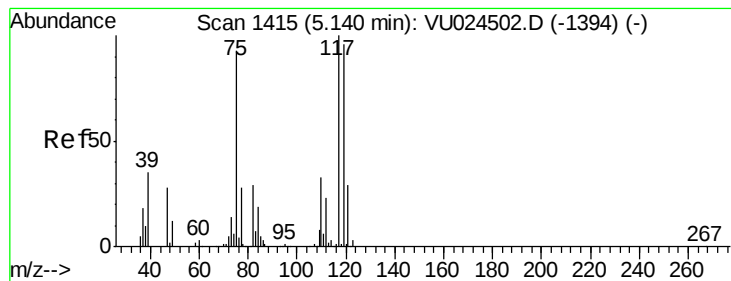
#36
1,1-Dichloropropene
Concen: 4.24 ug/l
RT: 4.99 min Scan# 1368
Delta R.T. -0.15 min
Lab File: VU024866.D
Acq: 25 Jun 2018 11:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	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: 4.90 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.15 min

Lab File: VU024866.D

Acq: 25 Jun 2018 11:41

Instrument :

MSVOA_U

ClientSampled :

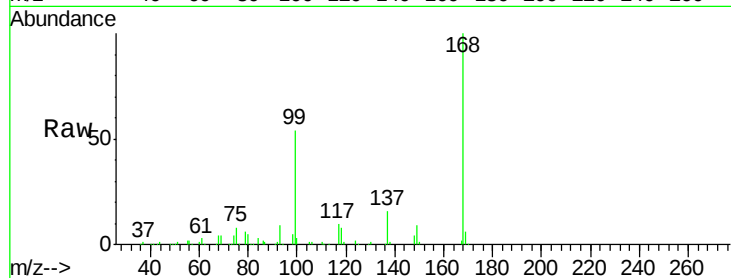
Tot Ion:117 Resp: 21976

Ion Ratio Lower Upper

117 100

119 5.4 76.1 114.1#

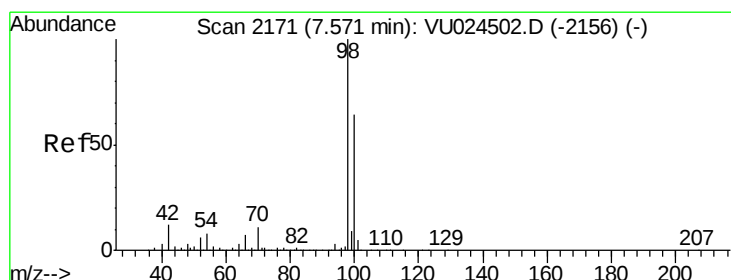
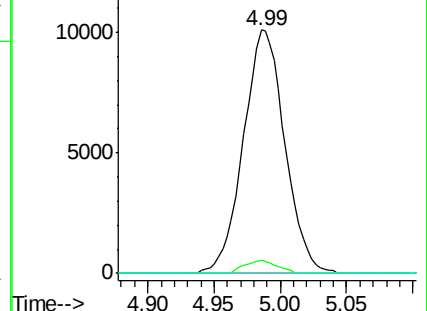
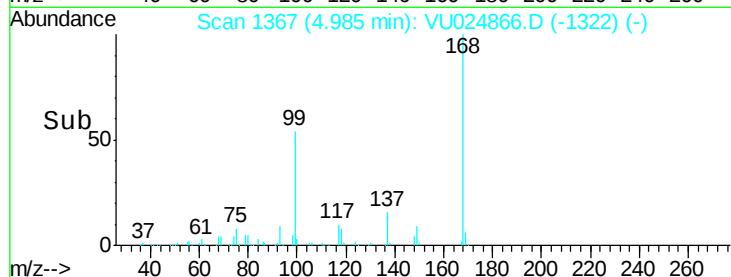
121 0.0 23.7 35.5#



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



#50

Toluene-d8

Concen: 48.16 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024866.D

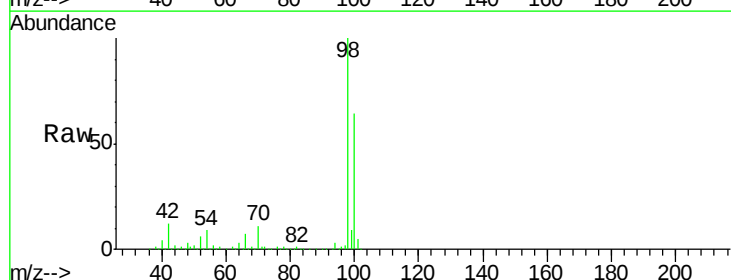
Acq: 25 Jun 2018 11:41

Tgt Ion: 98 Resp: 506118

Ion Ratio Lower Upper

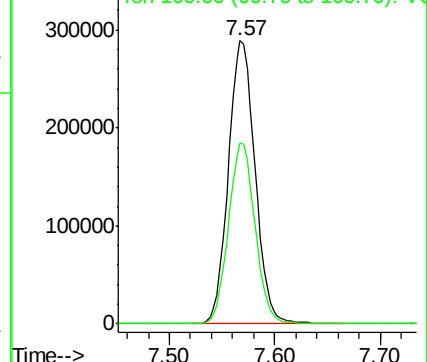
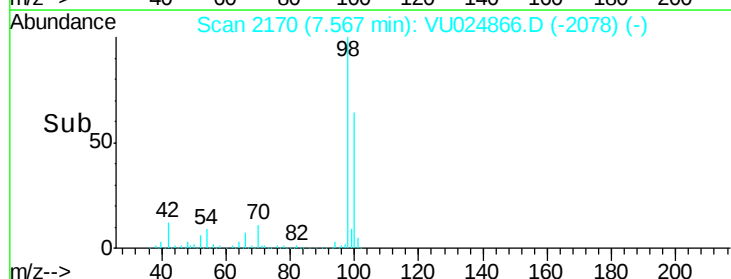
98 100

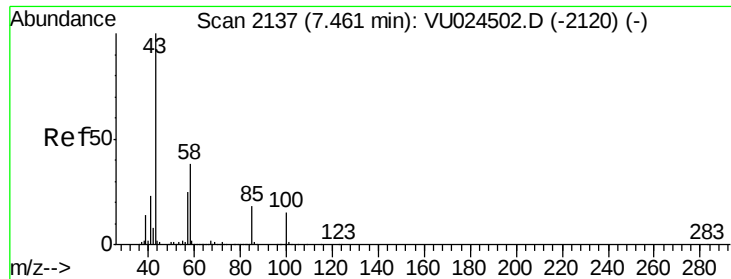
100 63.5 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU

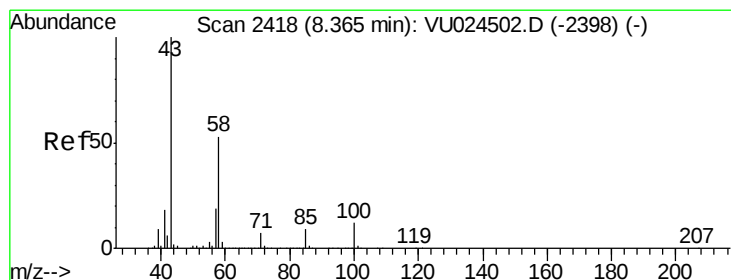
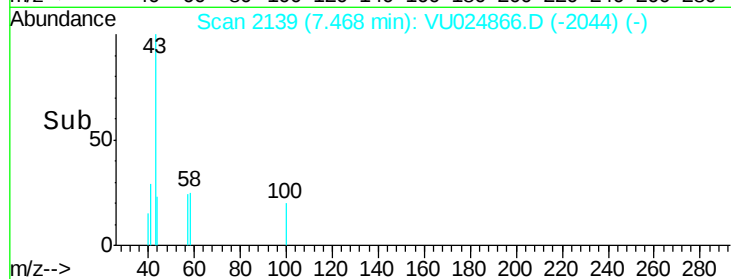
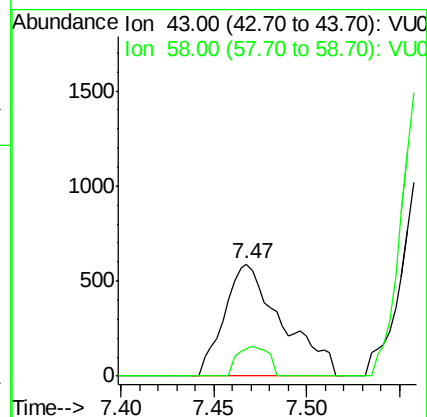
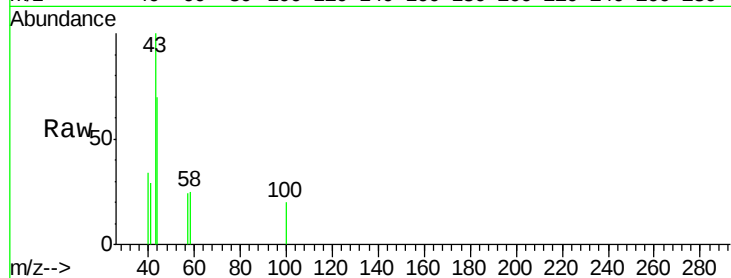




#51
 4-Methyl-2-Pentanone
 Concen: 0.26 ug/l
 RT: 7.47 min Scan# 2139
 Delta R.T. 0.01 min
 Lab File: VU024866.D
 Acq: 25 Jun 2018 11:41

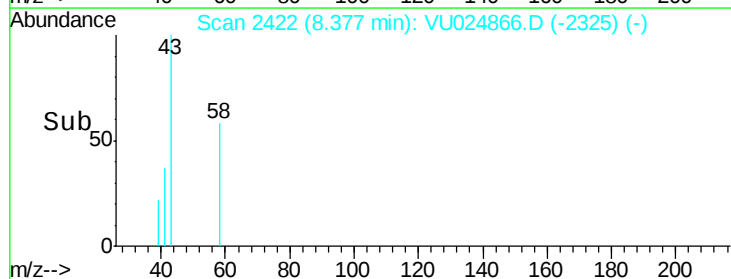
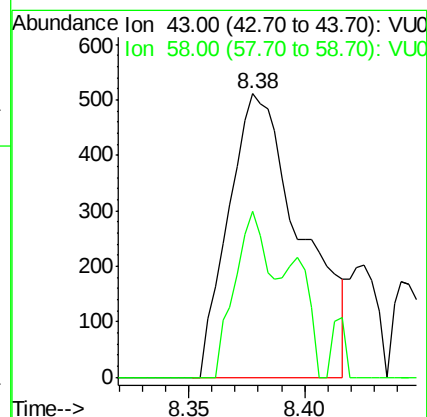
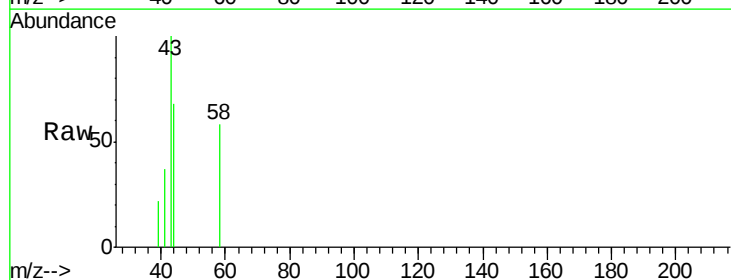
Instrument :
 MSVOA_U
 ClientSampleID :

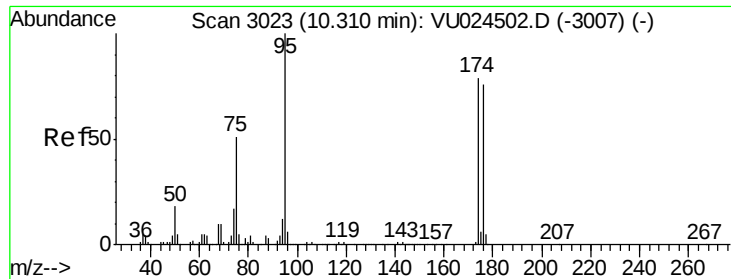
Tot Ion: 43 Resp: 1277
 Ion Ratio Lower Upper
 43 100
 58 14.0 30.0 45.0#



#59
 2-Hexanone
 Concen: 0.28 ug/l
 RT: 8.38 min Scan# 2422
 Delta R.T. 0.01 min
 Lab File: VU024866.D
 Acq: 25 Jun 2018 11:41

Tgt Ion: 43 Resp: 1114
 Ion Ratio Lower Upper
 43 100
 58 27.5 26.4 79.0





#62

4-Bromofluorobenzene

Concen: 45.34 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU024866.D

Acq: 25 Jun 2018 11:41

Instrument :

MSVOA_U

ClientSampleId :

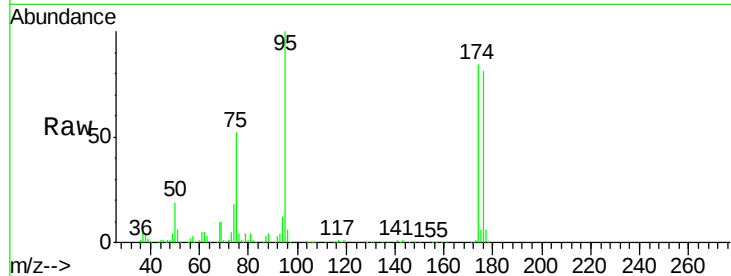
Tot Ion: 95 Resp: 189216

Ion Ratio Lower Upper

95 100

174 84.4 0.0 165.8

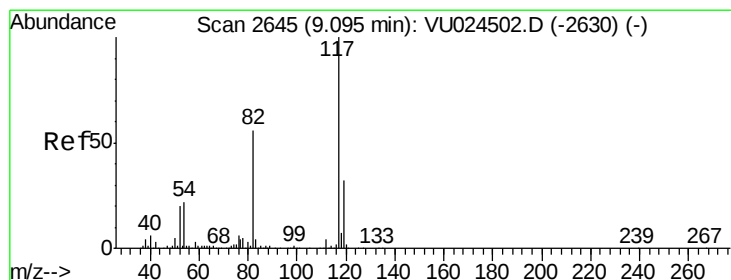
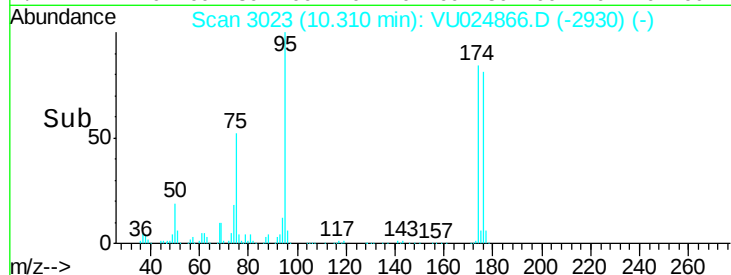
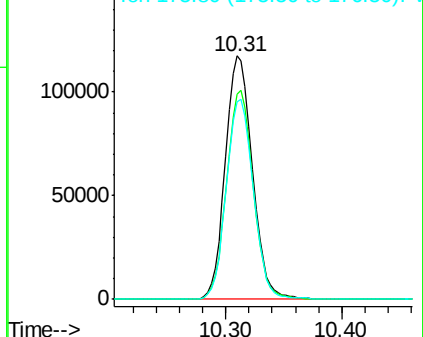
176 82.0 0.0 159.4



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: 50.00 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. -0.00 min

Lab File: VU024866.D

Acq: 25 Jun 2018 11:41

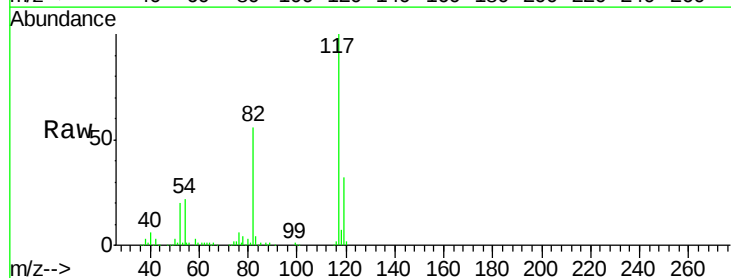
Tgt Ion: 117 Resp: 321137

Ion Ratio Lower Upper

117 100

82 56.4 44.3 66.5

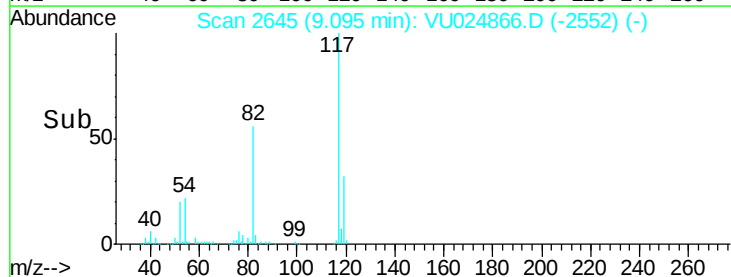
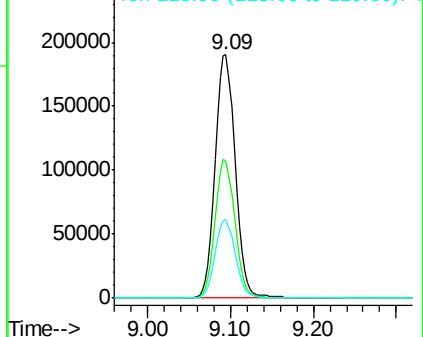
119 32.1 25.4 38.2

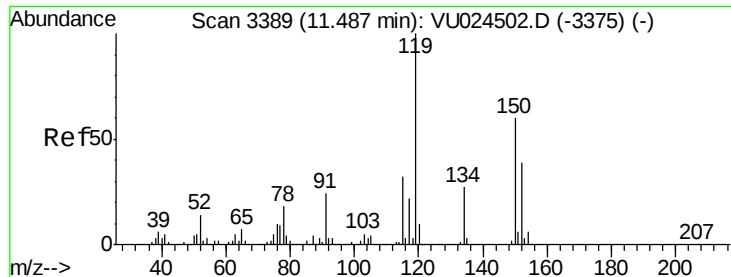


Abundance Ion 116.90 (116.60 to 117.60): VU024502.D (-2630) (-)

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: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU024866.D

Acq: 25 Jun 2018 11:41

Instrument :

MSVOA_U

ClientSampleId :

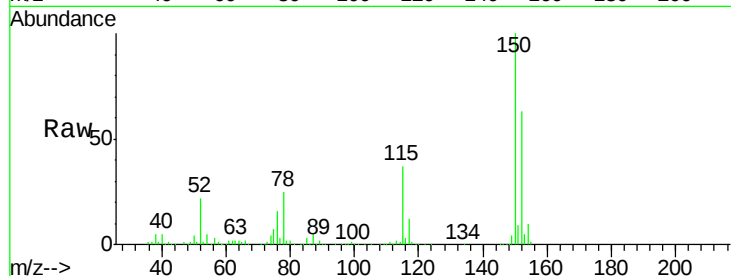
Tot Ion:152 Resp: 175487

Ion Ratio Lower Upper

152 100

115 56.8 43.0 129.0

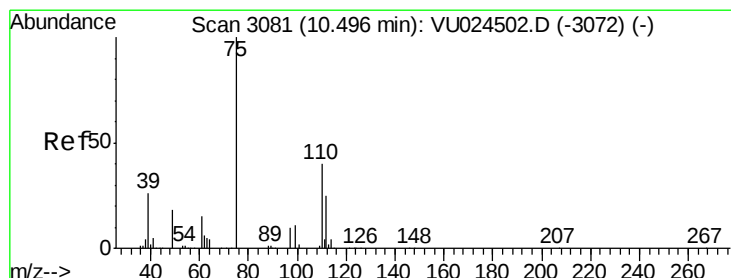
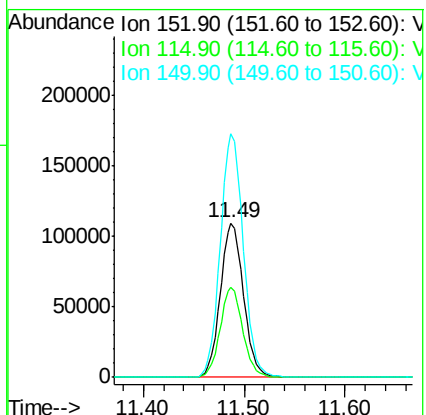
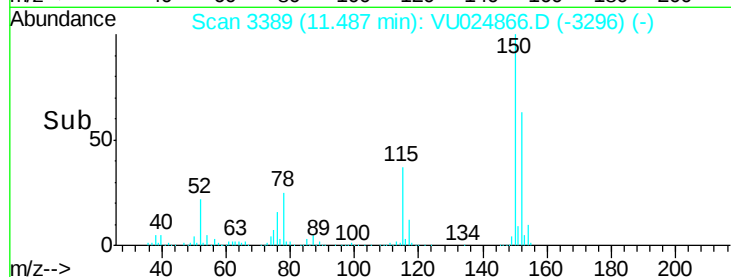
150 156.9 0.0 354.0



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: 24.99 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024866.D

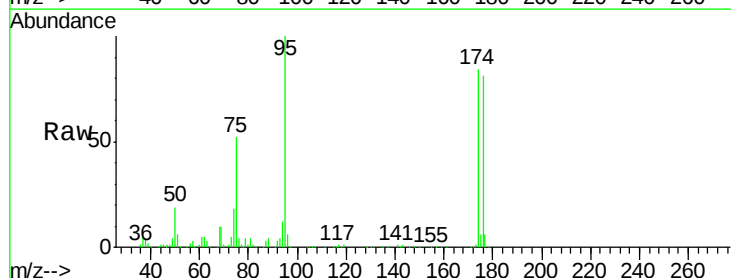
Acq: 25 Jun 2018 11:41

Tgt Ion: 75 Resp: 96562

Ion Ratio Lower Upper

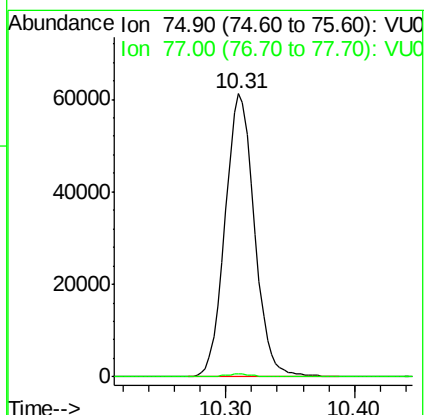
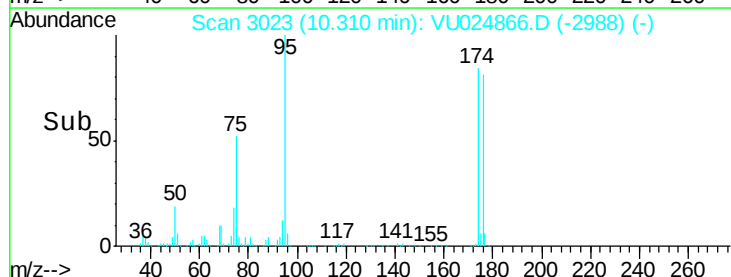
75 100

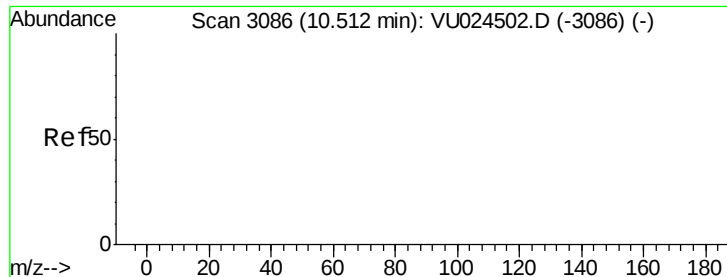
77 1.0 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

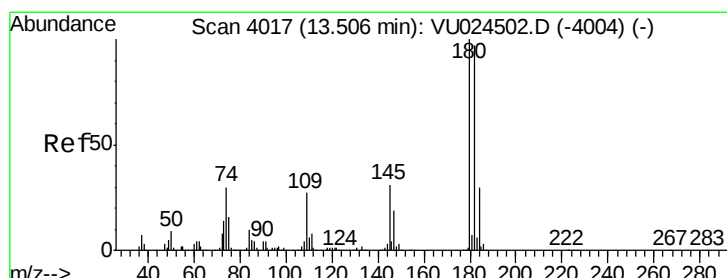
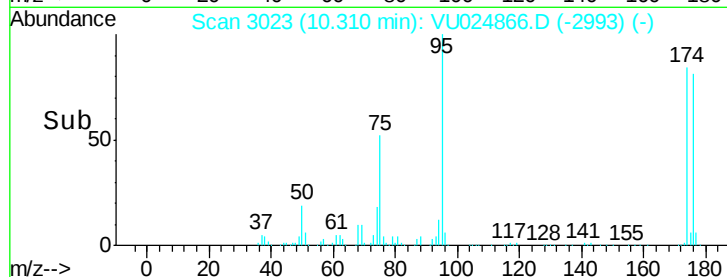
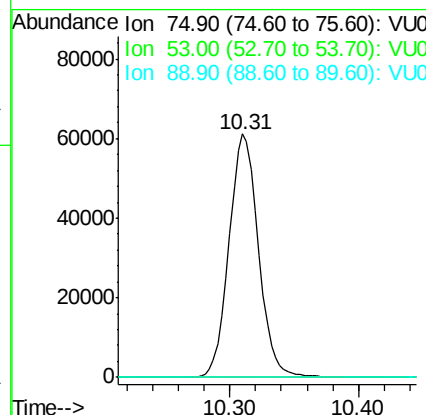
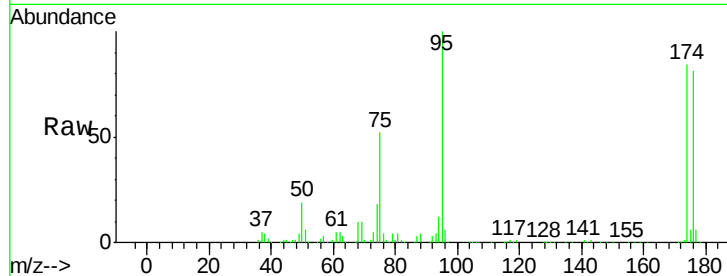




#81
trans-1,4-Dichloro-2-butene
Concen: 57.84 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.20 min
Lab File: VU024866.D
Acq: 25 Jun 2018 11:41

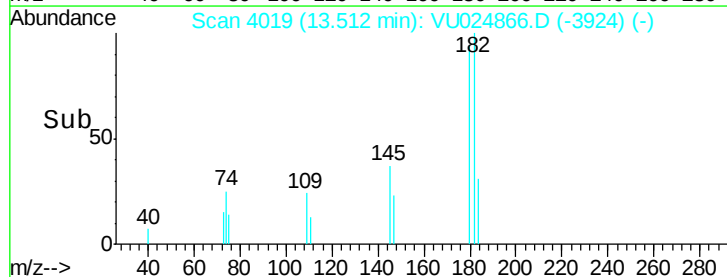
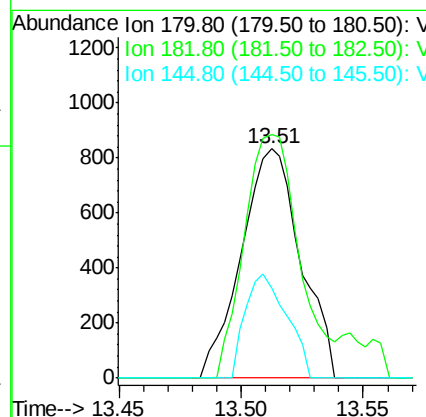
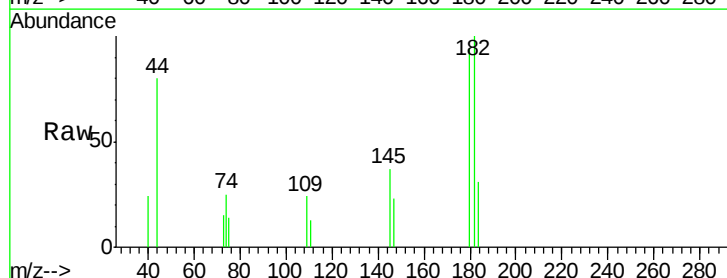
Instrument :
MSVOA_U
ClientSampleId :

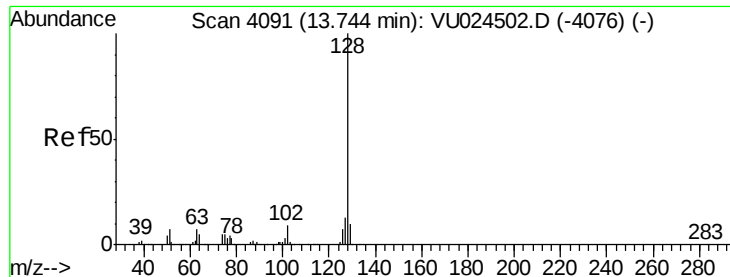
Tot Ion: 75 Resp: 96562
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0#



#93
1,2,4-Trichlorobenzene
Concen: 0.36 ug/l
RT: 13.51 min Scan# 4019
Delta R.T. 0.01 min
Lab File: VU024866.D
Acq: 25 Jun 2018 11:41

Tgt Ion:180 Resp: 1399
Ion Ratio Lower Upper
180 100
182 98.9 48.0 144.2
145 31.7 14.7 44.1





#95

Naphthalene

Concen: 1.57 ug/l

RT: 13.75 min Scan# 4094

Delta R.T. 0.01 min

Lab File: VU024866.D

Acq: 25 Jun 2018 11:41

Instrument :

MSVOA_U

ClientSampleId :

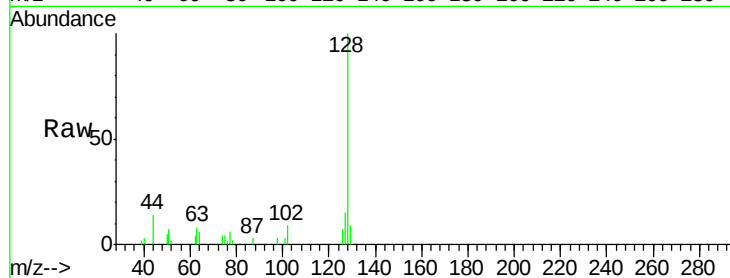
Tot Ion:128 Resp: 11635

Ion Ratio Lower Upper

128 100

127 15.0 10.6 16.0

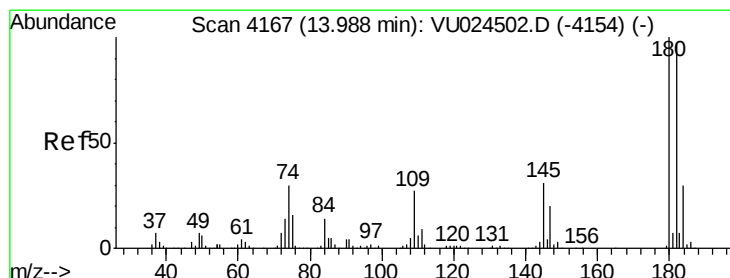
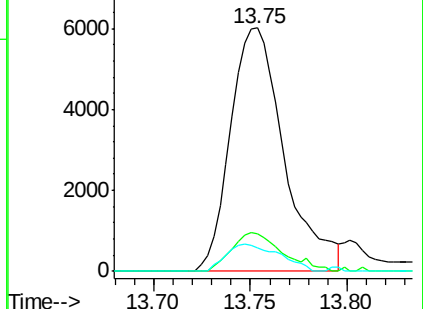
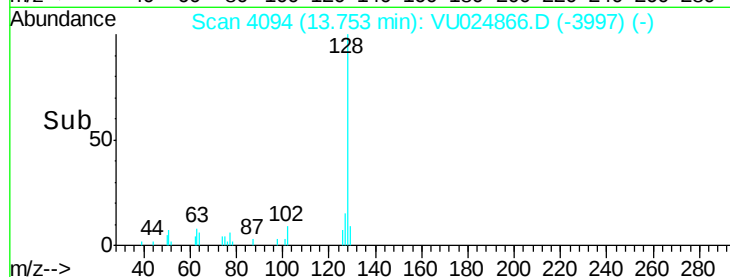
129 11.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.49 ug/l

RT: 13.99 min Scan# 4169

Delta R.T. 0.01 min

Lab File: VU024866.D

Acq: 25 Jun 2018 11:41

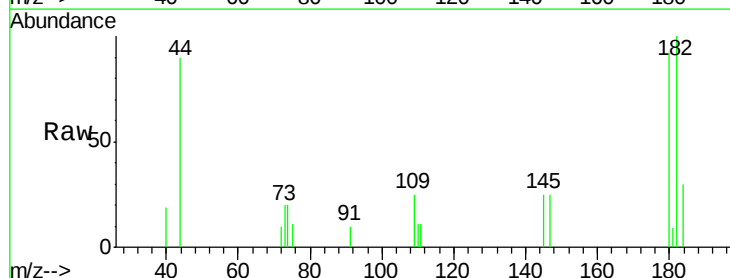
Tgt Ion:180 Resp: 1897

Ion Ratio Lower Upper

180 100

182 94.0 47.9 143.7

145 23.9 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

