

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062518\
 Data File : VU024893.D
 Acq On : 25 Jun 2018 23:00
 Operator : MD/SY
 Sample : VU0625MBL02
 Misc : 5.00µl/10mL/100µL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 26 05:38:27 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	216958	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	327091	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	306172	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	162613	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	161268	45.53	ug/l	0.00
Spiked Amount			Recovery	=	91.06%	
35) Dibromofluoromethane	4.89	113	127689	47.04	ug/l	0.00
Spiked Amount			Recovery	=	94.08%	
50) Toluene-d8	7.57	98	474073	47.88	ug/l	0.00
Spiked Amount			Recovery	=	95.76%	
62) 4-Bromofluorobenzene	10.31	95	174730	44.44	ug/l	0.00
Spiked Amount			Recovery	=	88.88%	

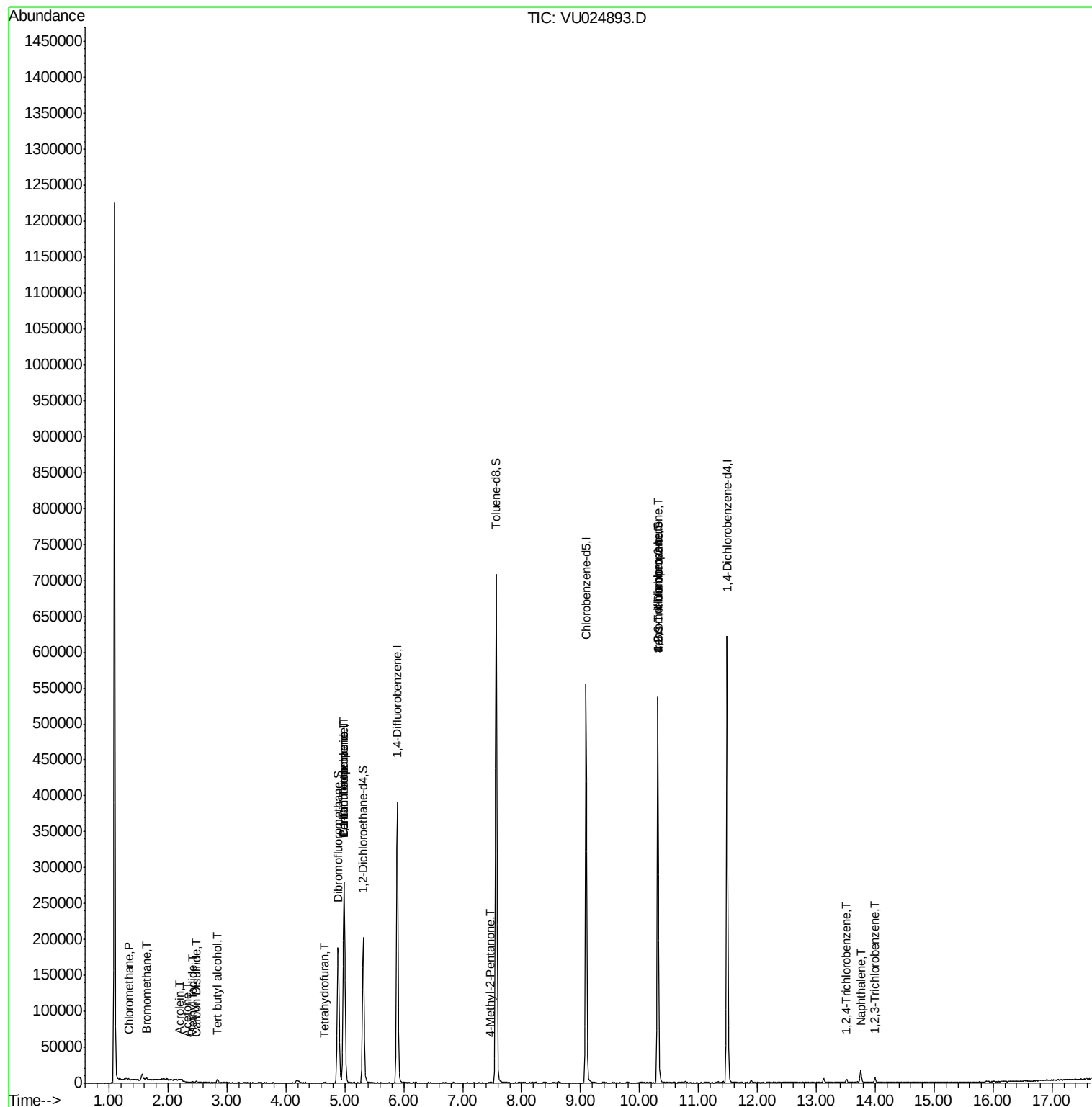
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	859	0.31	ug/l	99
5) Bromomethane	1.63	94	835	0.60	ug/l	94
6) Chloroethane	1.70	64	213	Below Cal	#	43
10) Methyl Iodide	2.42	142	806	5.60	ug/l	# 74
11) Tert butyl alcohol	2.84	59	2363	2.74	ug/l	# 72
13) Acrolein	2.19	56	389	0.86	ug/l	# 72
16) Acetone	2.32	43	567	0.30	ug/l	92
17) Carbon Disulfide	2.48	76	2159	0.27	ug/l	# 91
29) Tetrahydrofuran	4.66	42	411	0.26	ug/l	# 38
31) Cyclohexane	4.99	56	4324	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	16018	4.17	ug/l	# 50
38) Carbon Tetrachloride	4.99	117	20441	4.84	ug/l	# 16
51) 4-Methyl-2-Pentanone	7.48	43	1007	0.22	ug/l	# 80
76) 1,2,3-Trichloropropane	10.31	75	90891	25.39	ug/l	# 35
81) trans-1,4-Dichloro-2-buten	10.31	75	90891	58.76	ug/l	# 100
93) 1,2,4-Trichlorobenzene	13.51	180	2122	0.59	ug/l	89
95) Naphthalene	13.75	128	17624	2.13	ug/l	96
96) 1,2,3-Trichlorobenzene	13.99	180	2821	0.78	ug/l	98

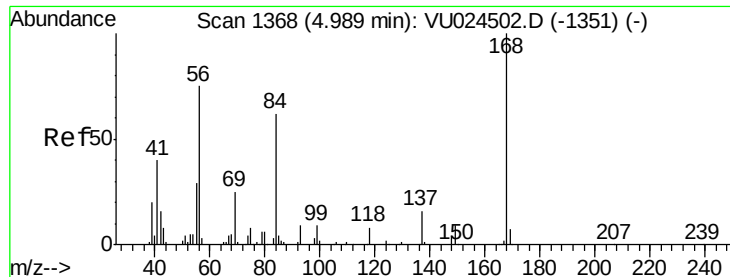
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024893.D

Acq: 25 Jun 2018 23:00

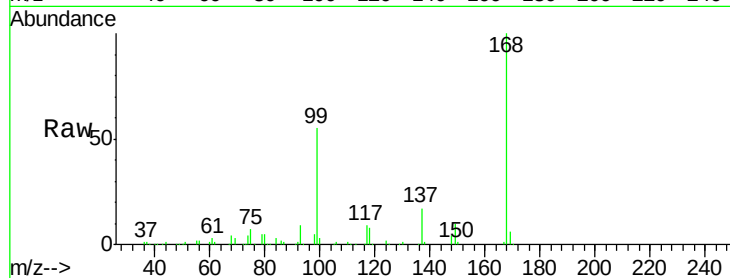
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 216958

Ion Ratio Lower Upper

168 100

99 55.0 43.2 64.8



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

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

4.99

100000

80000

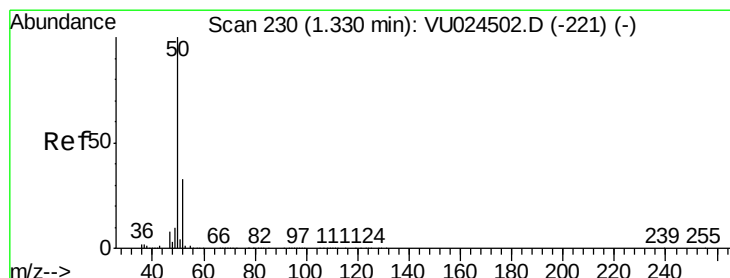
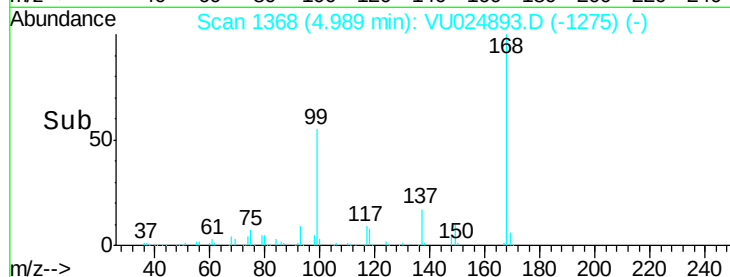
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.31 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU024893.D

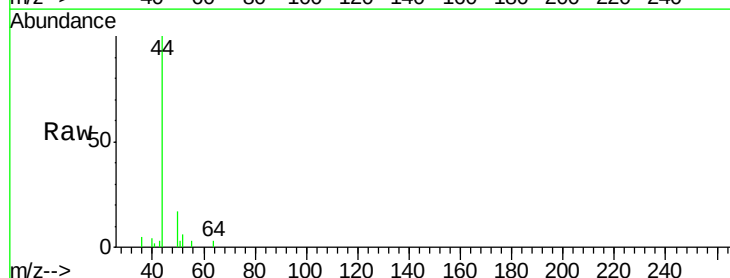
Acq: 25 Jun 2018 23:00

Tgt Ion: 50 Resp: 859

Ion Ratio Lower Upper

50 100

52 33.6 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) (-)

1.33

800

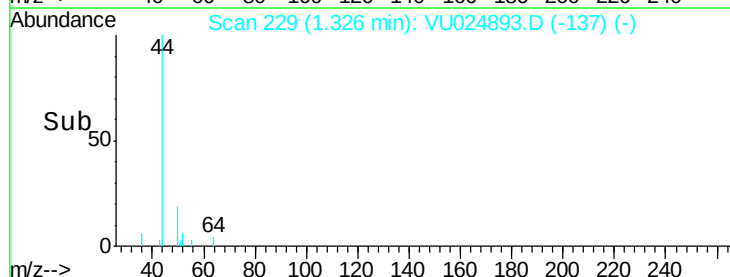
600

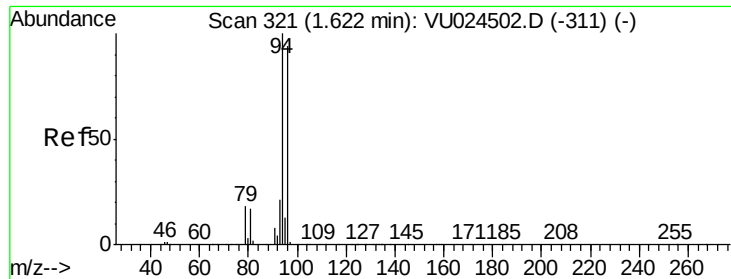
400

200

0

Time-->





#5

Bromomethane

Concen: 0.60 ug/l

RT: 1.63 min Scan# 324

Delta R.T. 0.01 min

Lab File: VU024893.D

Acq: 25 Jun 2018 23:00

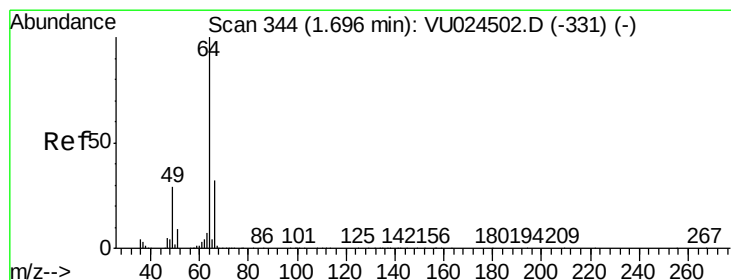
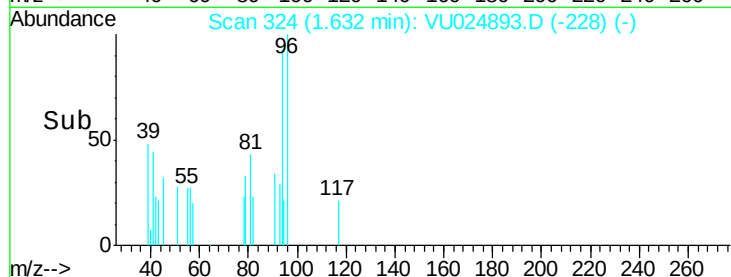
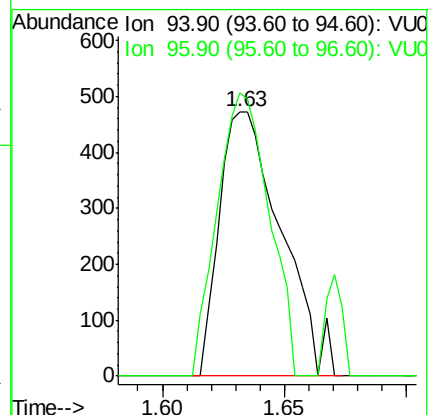
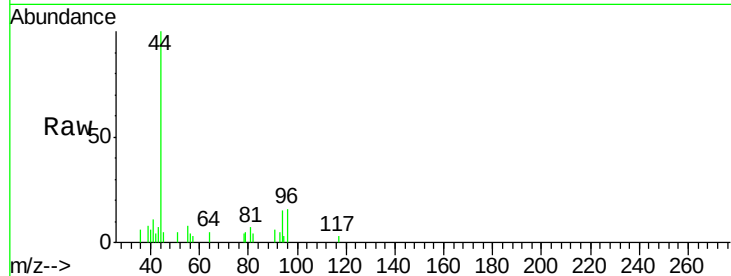
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 94 Resp: 835

Ion Ratio Lower Upper

94 100

96 87.5 74.5 111.7



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU024893.D

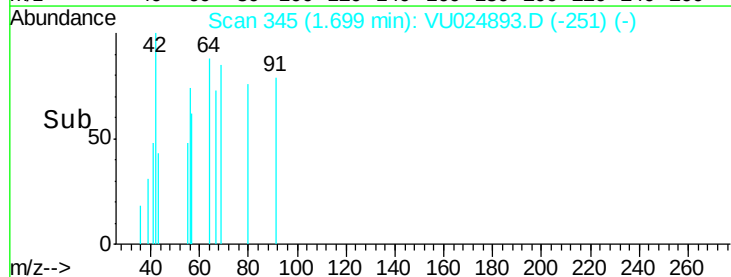
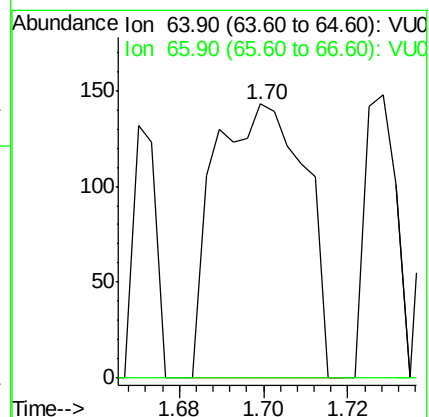
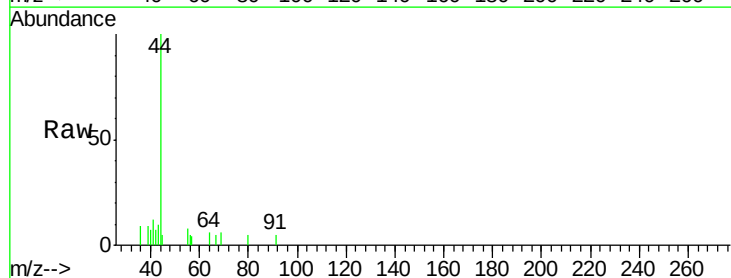
Acq: 25 Jun 2018 23:00

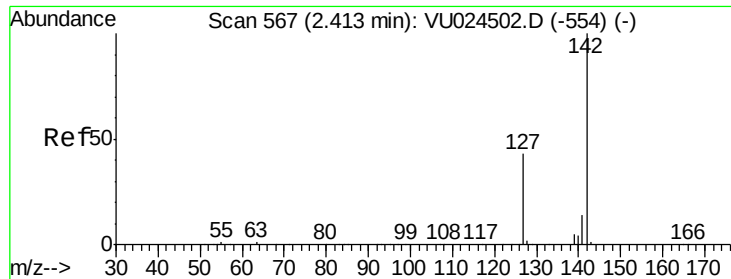
Tgt Ion: 64 Resp: 213

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#

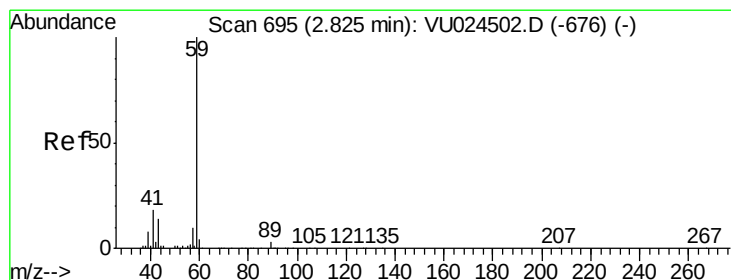
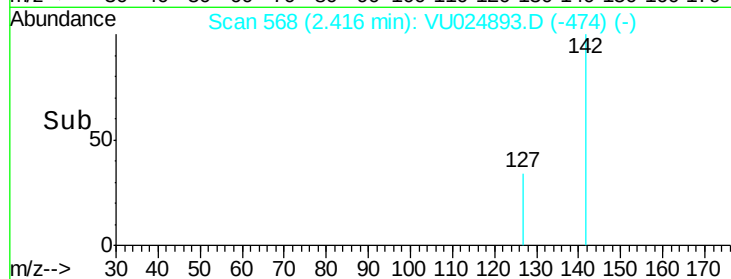
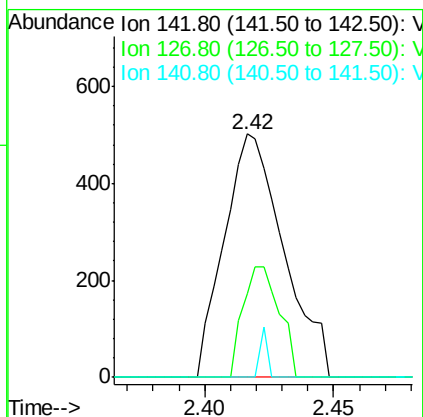
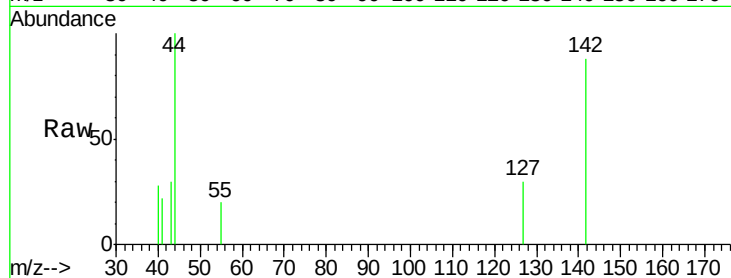




#10
Methvl Iodide
Concen: 5.60 ug/l
RT: 2.42 min Scan# 568
Delta R.T. 0.00 min
Lab File: VU024893.D
Acq: 25 Jun 2018 23:00

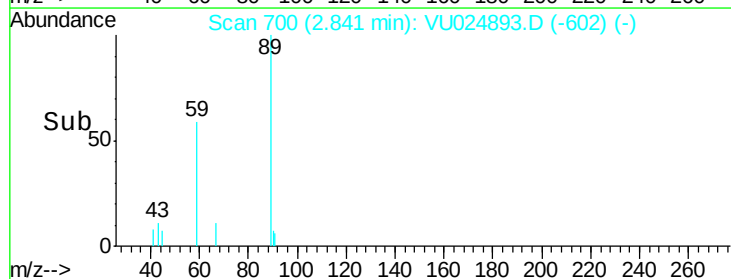
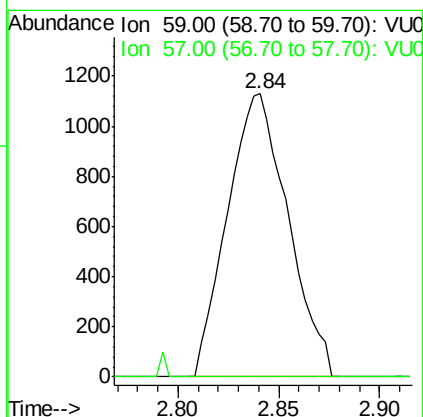
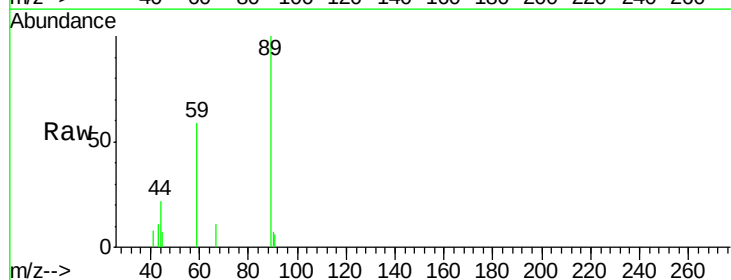
Instrument :
MSVOA_U
ClientSampleId :

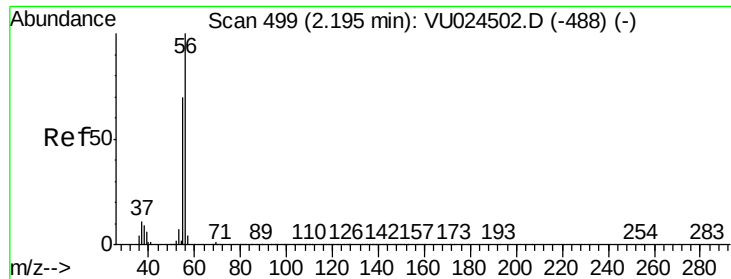
Tot Ion:142 Resp: 806
Ion Ratio Lower Upper
142 100
127 27.9 35.6 53.4#
141 2.5 11.7 17.5#



#11
Tert butyl alcohol
Concen: 2.74 ug/l
RT: 2.84 min Scan# 700
Delta R.T. 0.02 min
Lab File: VU024893.D
Acq: 25 Jun 2018 23:00

Tgt Ion: 59 Resp: 2363
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

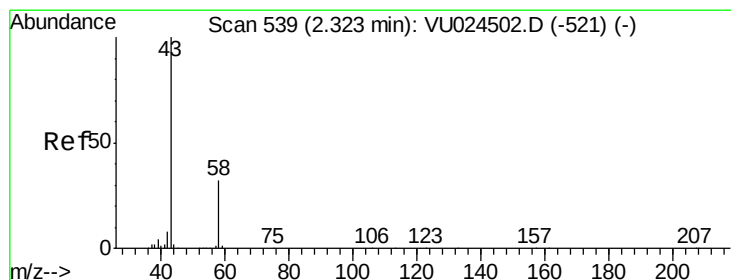
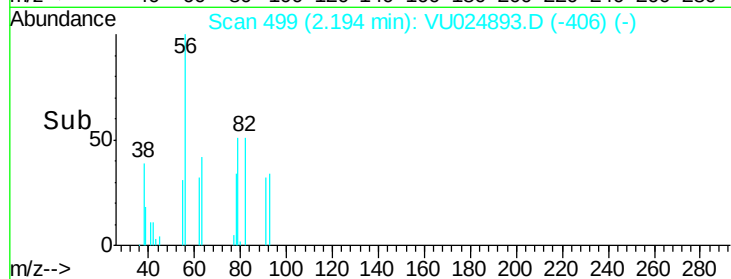
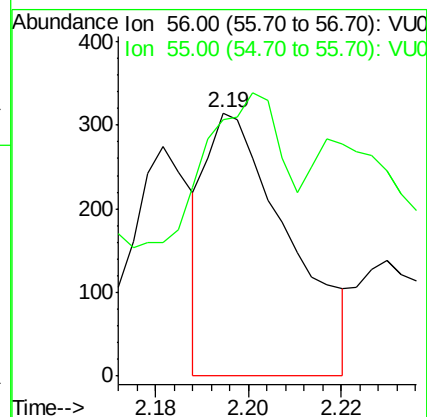
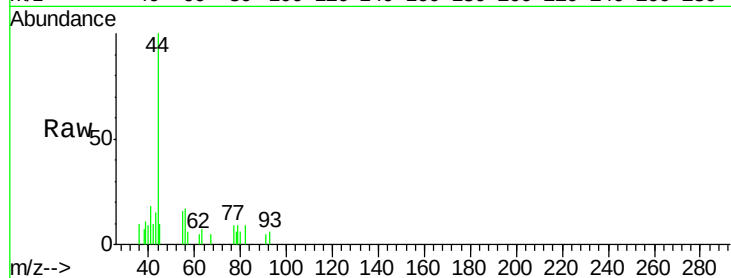




#13
Acrolein
Concen: 0.86 ug/l
RT: 2.19 min Scan# 499
Delta R.T. -0.00 min
Lab File: VU024893.D
Acq: 25 Jun 2018 23:00

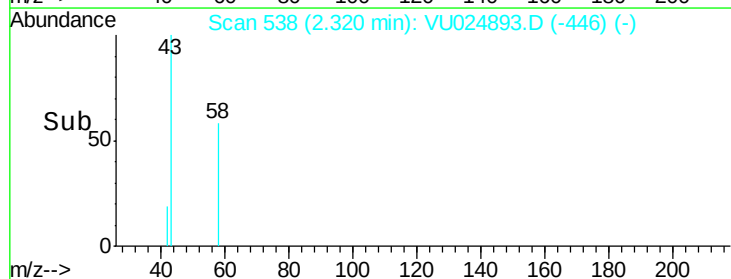
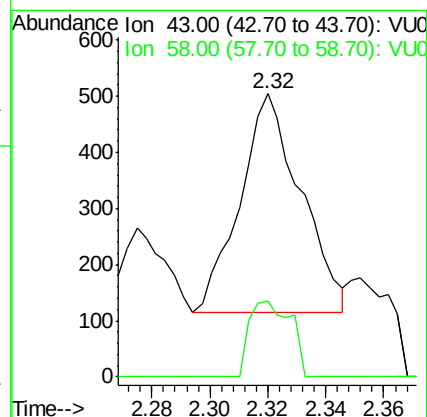
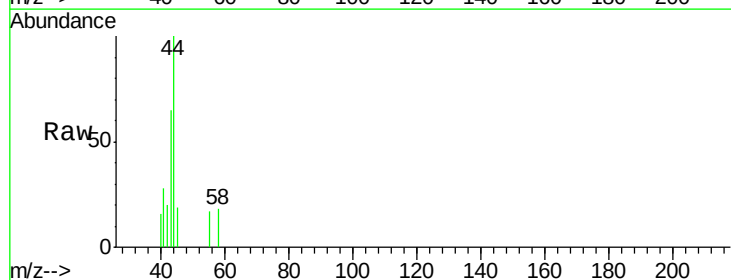
Instrument :
MSVOA_U
ClientSampleId :

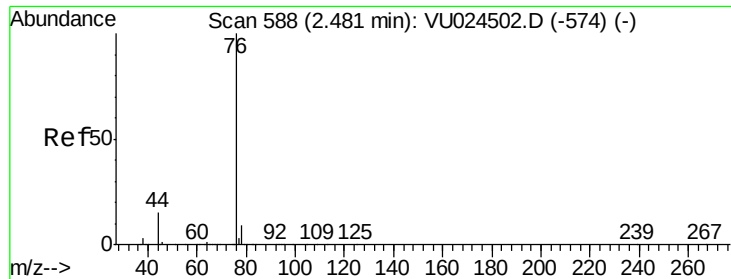
Tot Ion: 56 Resp: 389
Ion Ratio Lower Upper
56 100
55 49.9 58.4 87.6#



#16
Acetone
Concen: 0.30 ug/l
RT: 2.32 min Scan# 538
Delta R.T. -0.00 min
Lab File: VU024893.D
Acq: 25 Jun 2018 23:00

Tgt Ion: 43 Resp: 567
Ion Ratio Lower Upper
43 100
58 35.0 24.4 36.6

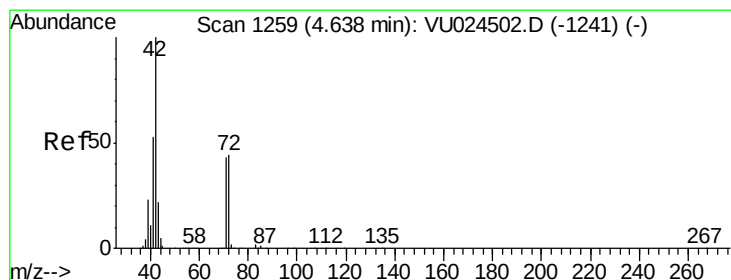
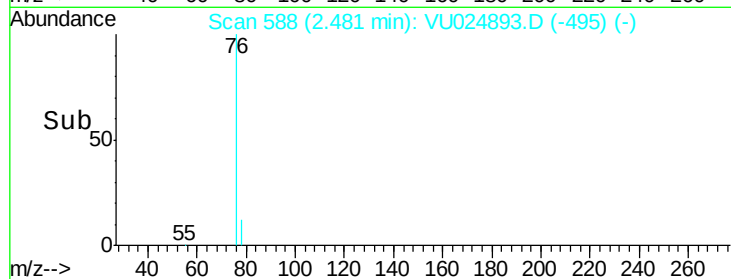
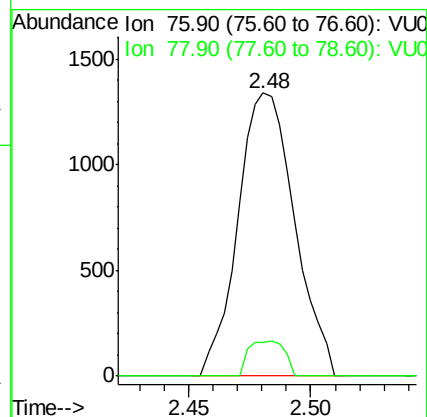
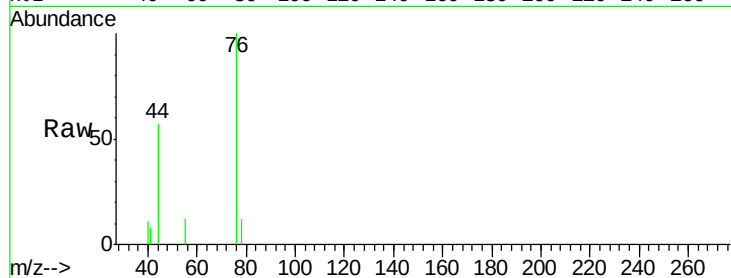




#17
 Carbon Disulfide
 Concen: 0.27 ug/l
 RT: 2.48 min Scan# 588
 Delta R.T. -0.00 min
 Lab File: VU024893.D
 Acq: 25 Jun 2018 23:00

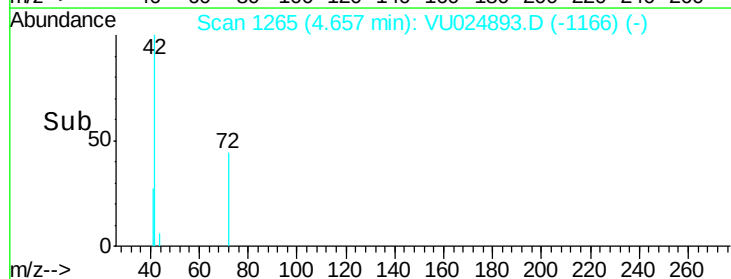
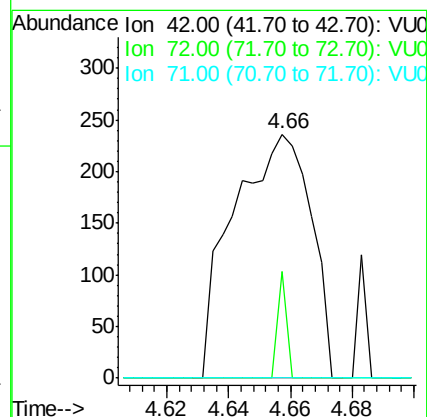
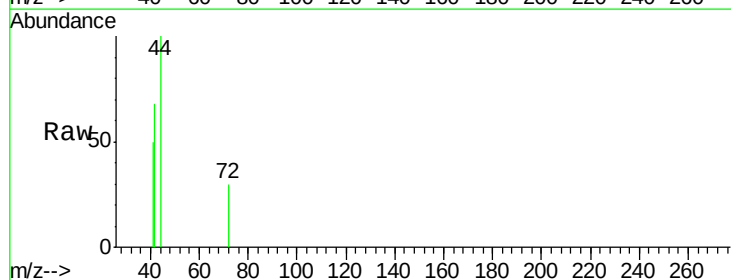
Instrument :
 MSVOA_U
 ClientSampleId :

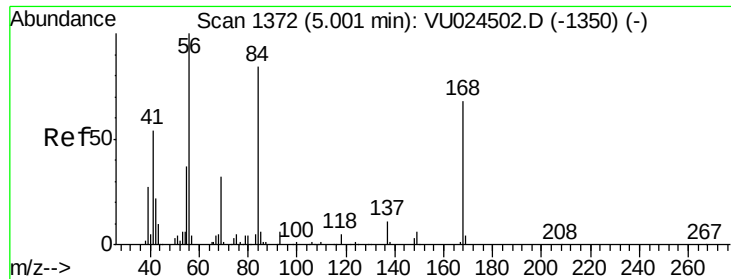
Tot Ion: 76 Resp: 2159
 Ion Ratio Lower Upper
 76 100
 78 12.1 7.1 10.7#



#29
 Tetrahydrofuran
 Concen: 0.26 ug/l
 RT: 4.66 min Scan# 1265
 Delta R.T. 0.02 min
 Lab File: VU024893.D
 Acq: 25 Jun 2018 23:00

Tgt Ion: 42 Resp: 411
 Ion Ratio Lower Upper
 42 100
 72 4.9 34.5 51.7#
 71 0.0 32.2 48.4#

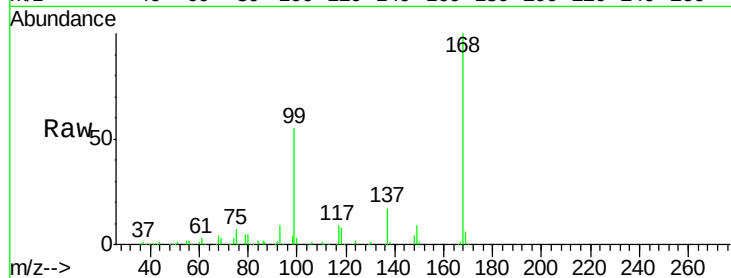




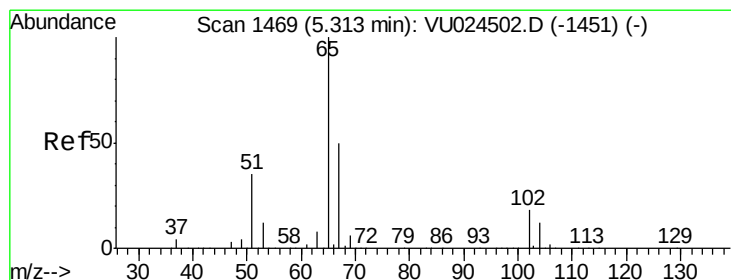
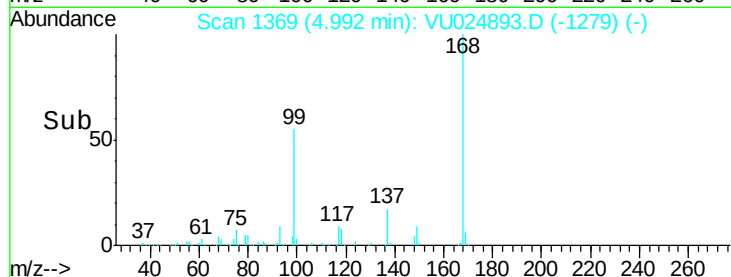
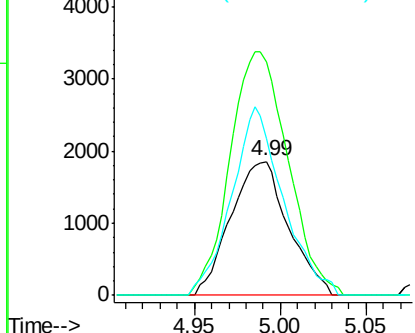
#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1369
Delta R.T. -0.01 min
Lab File: VU024893.D
Acq: 25 Jun 2018 23:00

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 4324
Ion Ratio Lower Upper
56 100
69 174.4 24.8 37.2#
84 116.8 65.2 97.8#

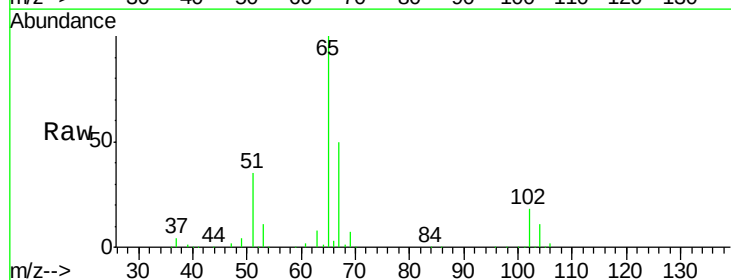


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

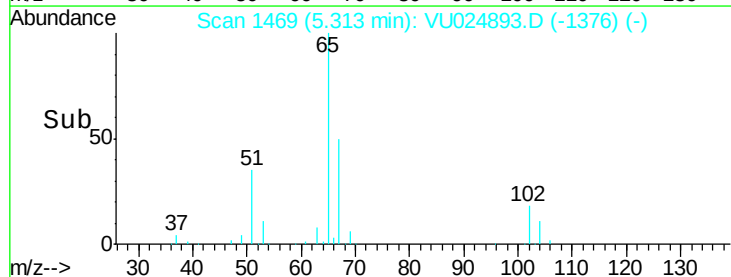
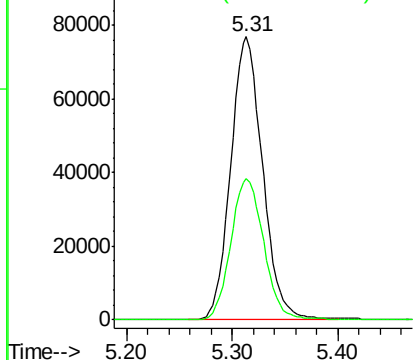


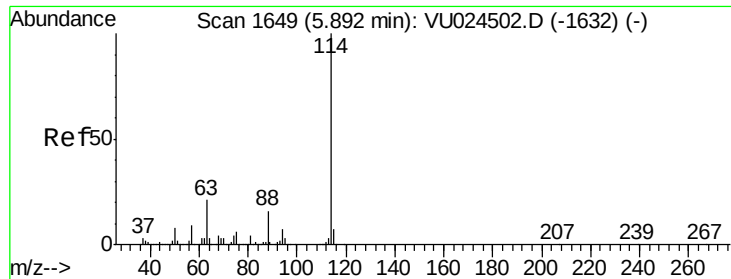
#33
1,2-Dichloroethane-d4
Concen: 45.53 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VU024893.D
Acq: 25 Jun 2018 23:00

Tgt Ion: 65 Resp: 161268
Ion Ratio Lower Upper
65 100
67 51.4 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU024893.D

Acq: 25 Jun 2018 23:00

Instrument :

MSVOA_U

ClientSampleId :

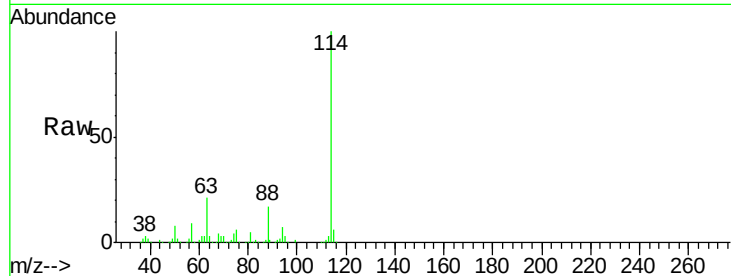
Tot Ion:114 Resp: 327091

Ion Ratio Lower Upper

114 100

63 21.2 0.0 45.4

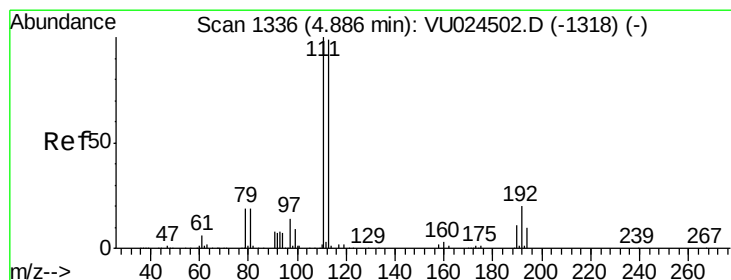
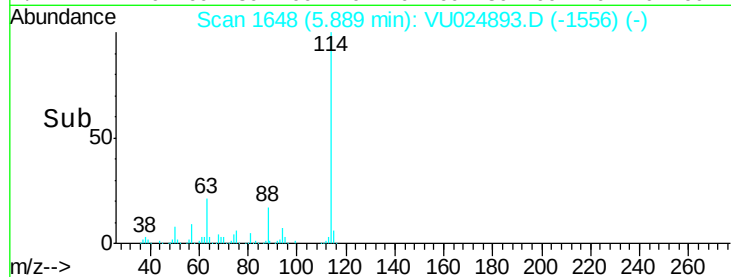
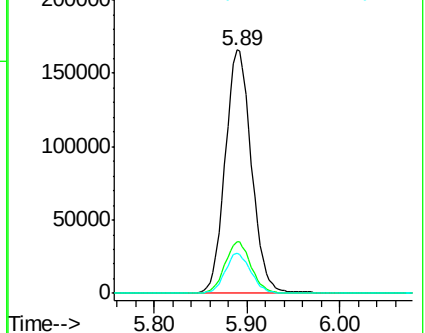
88 16.7 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 47.04 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU024893.D

Acq: 25 Jun 2018 23:00

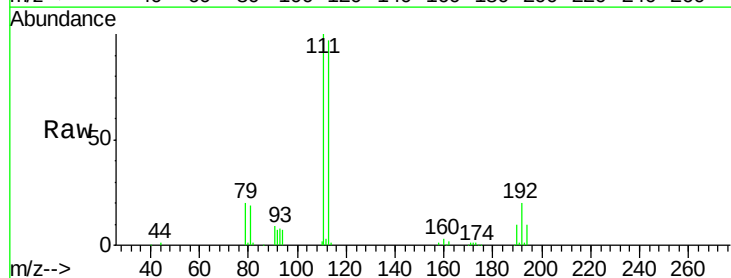
Tgt Ion:113 Resp: 127689

Ion Ratio Lower Upper

113 100

111 101.7 82.2 123.4

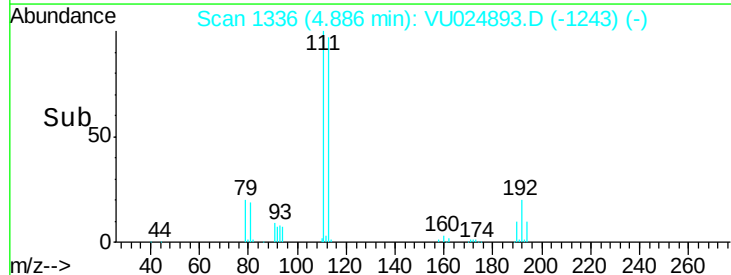
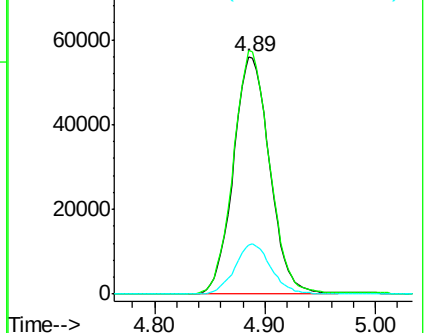
192 21.0 16.2 24.4

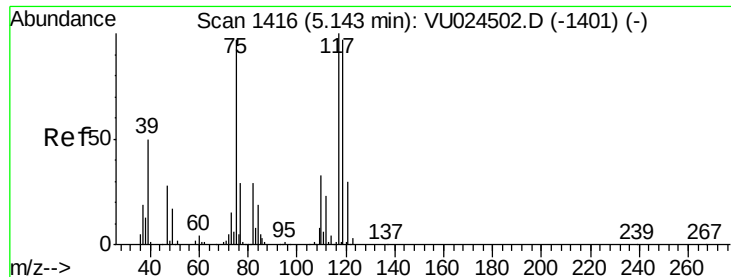


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

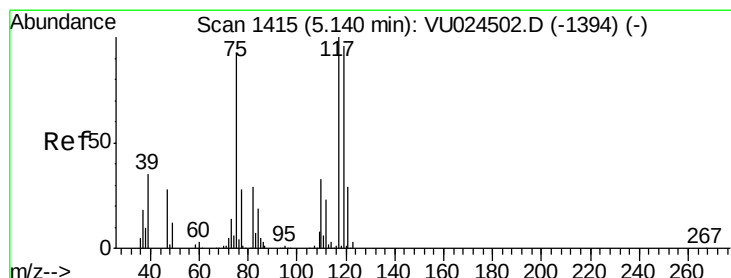
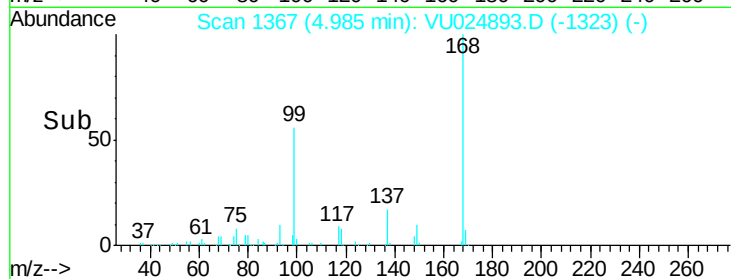
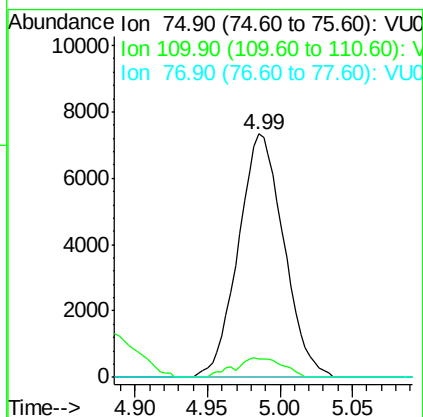
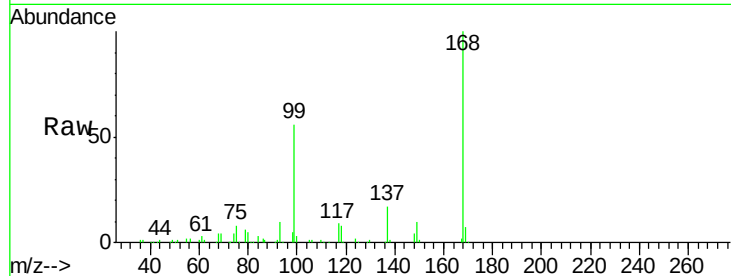




#36
 1,1-Dichloropropene
 Concen: 4.17 ug/l
 RT: 4.99 min Scan# 1367
 Delta R.T. -0.16 min
 Lab File: VU024893.D
 Acq: 25 Jun 2018 23:00

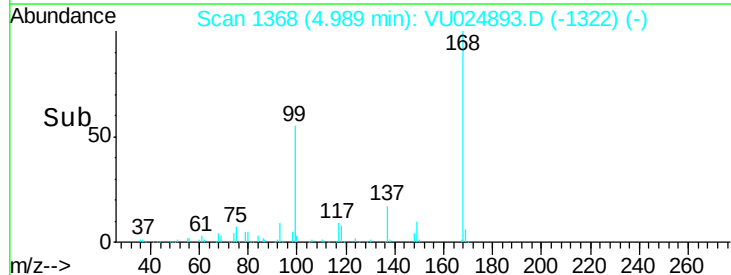
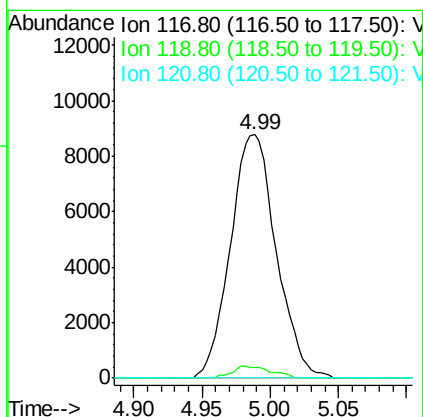
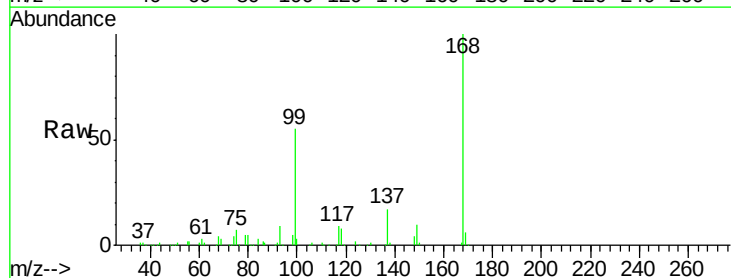
Instrument :
 MSVOA_U
 ClientSampleId :

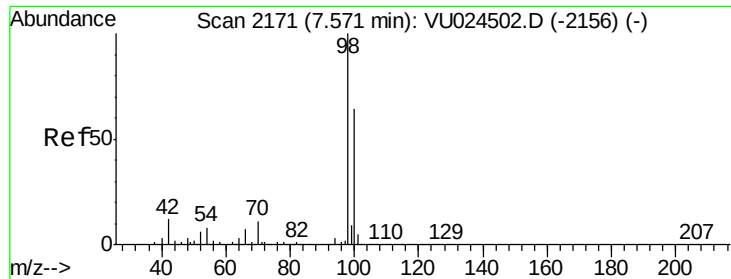
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.6	17.0	50.9#
77	0.0	24.2	36.4#



#38
 Carbon Tetrachloride
 Concen: 4.84 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU024893.D
 Acq: 25 Jun 2018 23:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.2	76.1	114.1#
121	0.0	23.7	35.5#

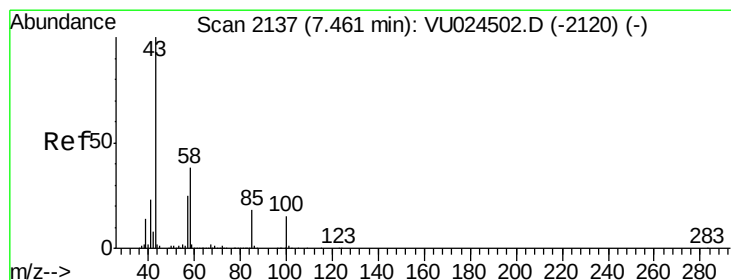
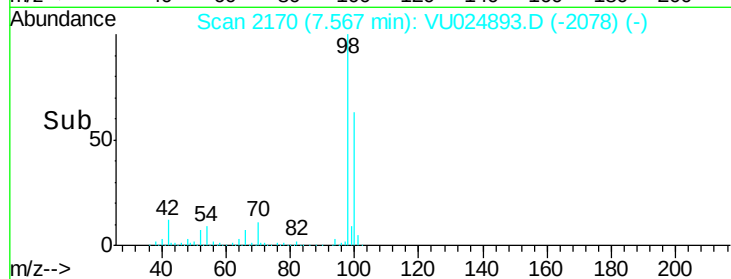
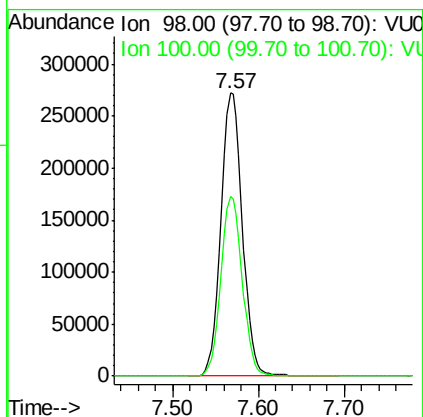
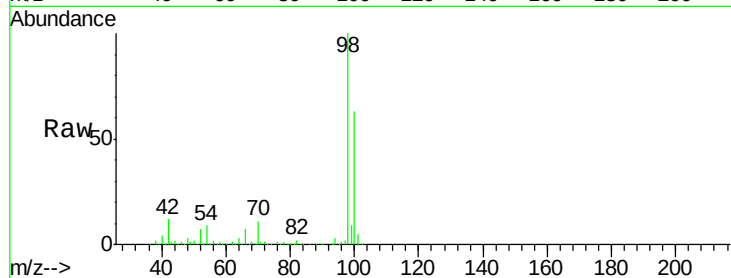




#50
Toluene-d8
Concen: 47.88 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU024893.D
Acq: 25 Jun 2018 23:00

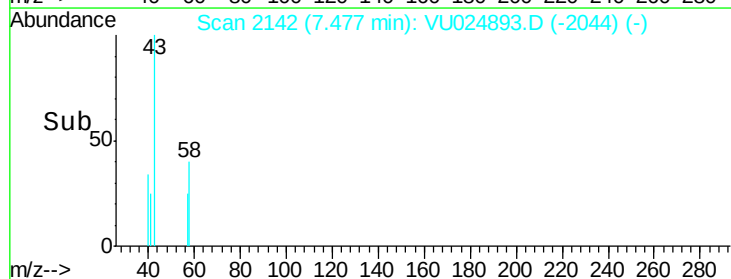
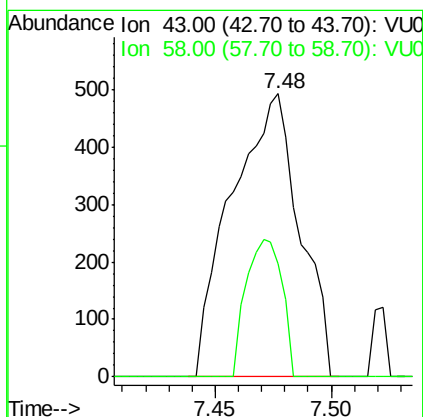
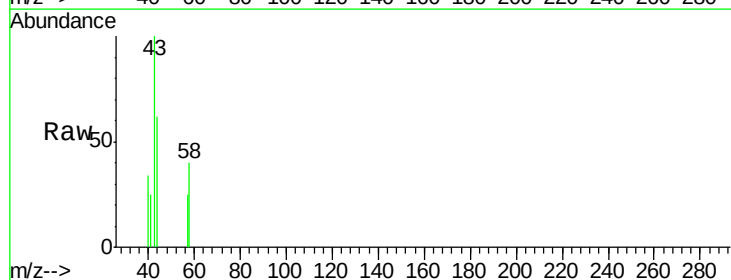
Instrument :
MSVOA_U
ClientSampleId :

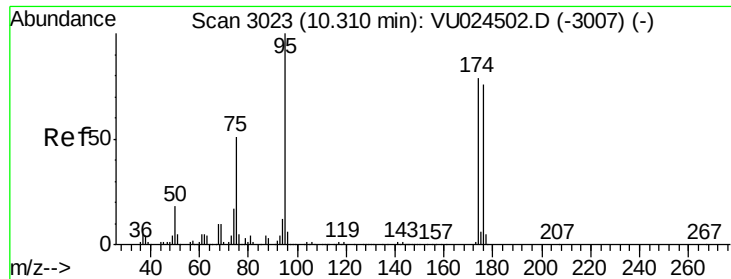
Tot Ion: 98 Resp: 474073
Ion Ratio Lower Upper
98 100
100 63.1 51.1 76.7



#51
4-Methyl-2-Pentanone
Concen: 0.22 ug/l
RT: 7.48 min Scan# 2142
Delta R.T. 0.02 min
Lab File: VU024893.D
Acq: 25 Jun 2018 23:00

Tgt Ion: 43 Resp: 1007
Ion Ratio Lower Upper
43 100
58 25.5 30.0 45.0#





#62

4-Bromofluorobenzene

Concen: 44.44 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU024893.D

Acq: 25 Jun 2018 23:00

Instrument :

MSVOA_U

ClientSampleId :

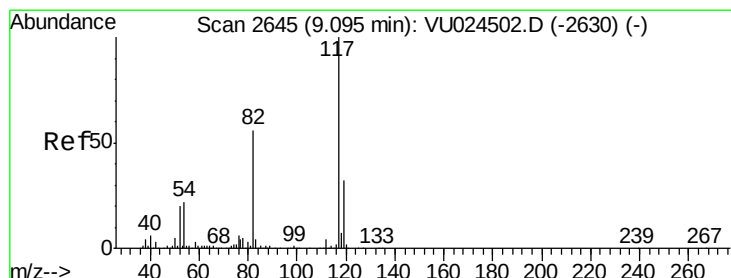
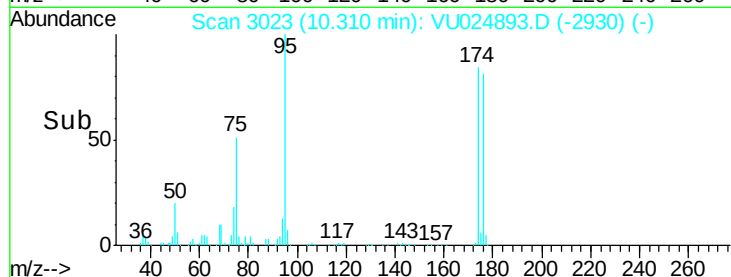
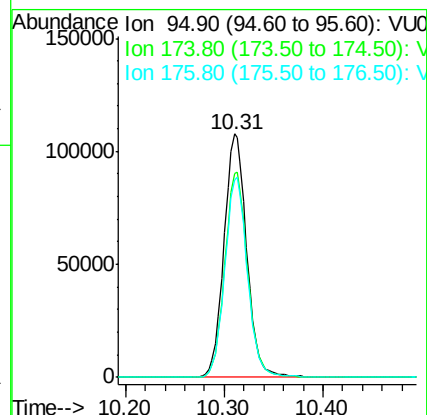
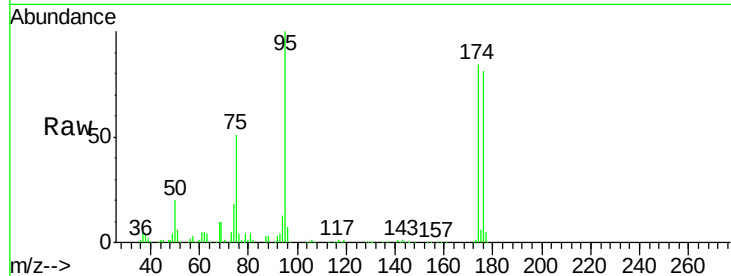
Tot Ion: 95 Resp: 174730

Ion Ratio Lower Upper

95 100

174 84.4 0.0 165.8

176 81.6 0.0 159.4



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 9.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VU024893.D

Acq: 25 Jun 2018 23:00

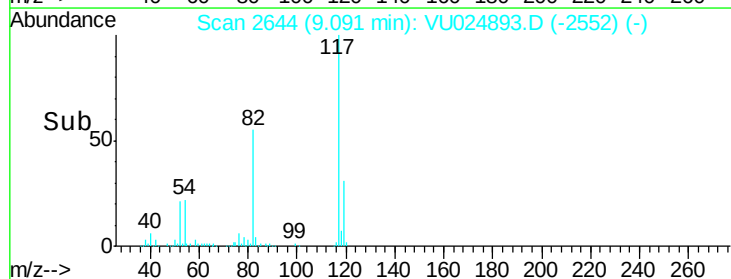
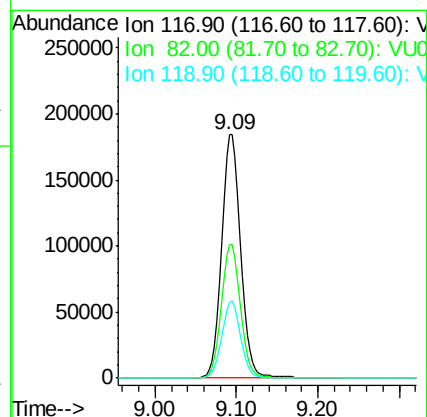
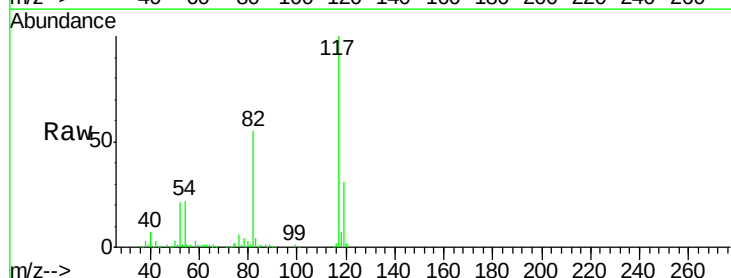
Tgt Ion: 117 Resp: 306172

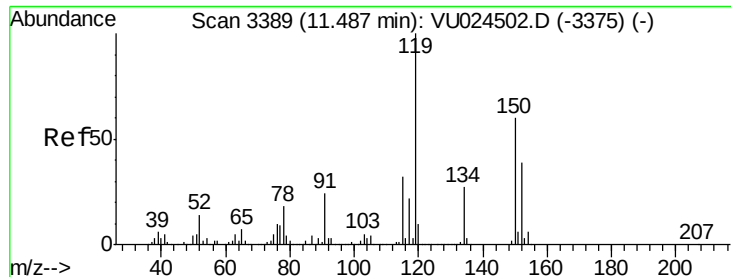
Ion Ratio Lower Upper

117 100

82 55.1 44.3 66.5

119 31.3 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU024893.D

Acq: 25 Jun 2018 23:00

Instrument :

MSVOA_U

ClientSampleId :

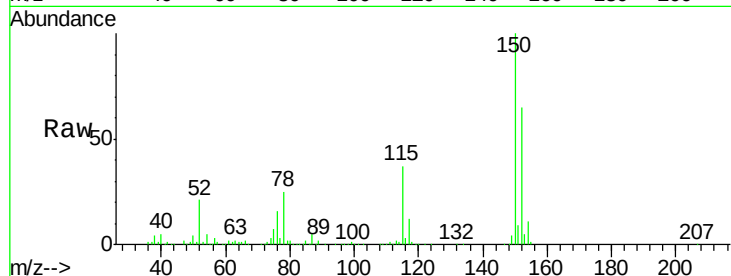
Tot Ion:152 Resp: 162613

Ion Ratio Lower Upper

152 100

115 57.5 43.0 129.0

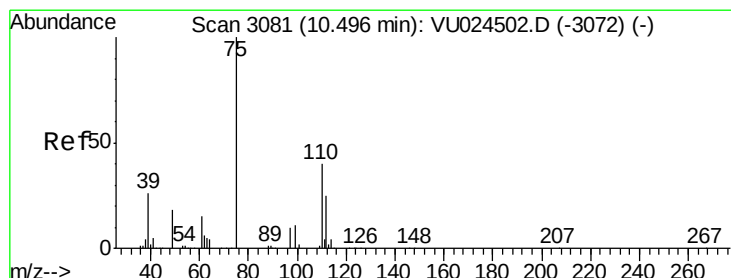
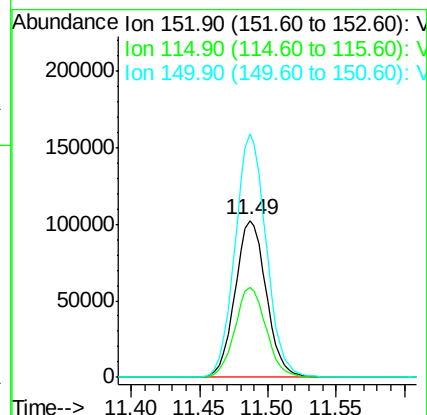
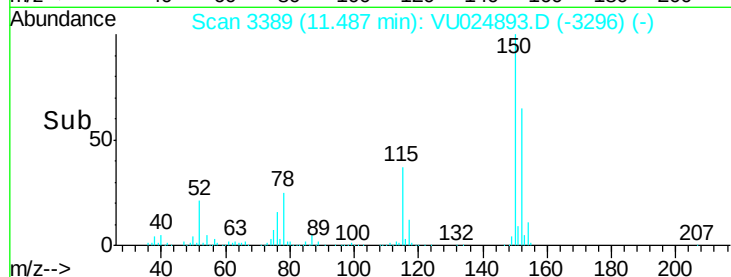
150 155.5 0.0 354.0



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: 25.39 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024893.D

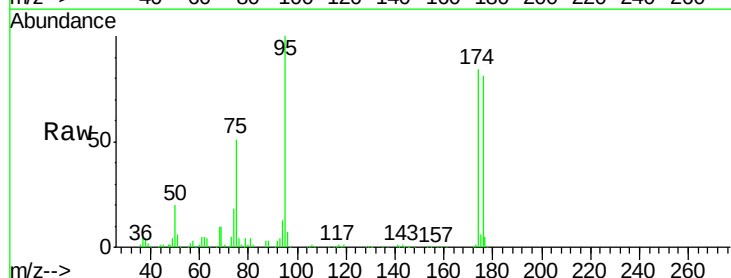
Acq: 25 Jun 2018 23:00

Tgt Ion: 75 Resp: 90891

Ion Ratio Lower Upper

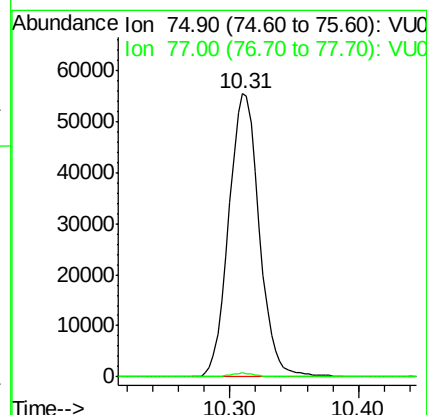
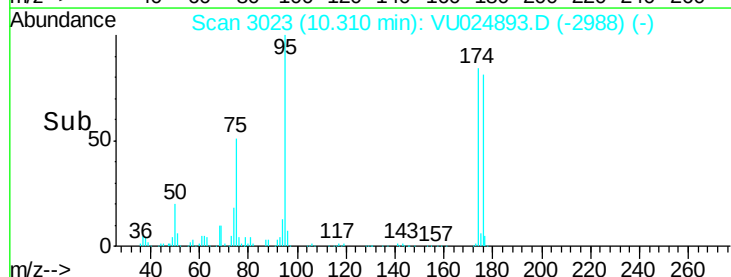
75 100

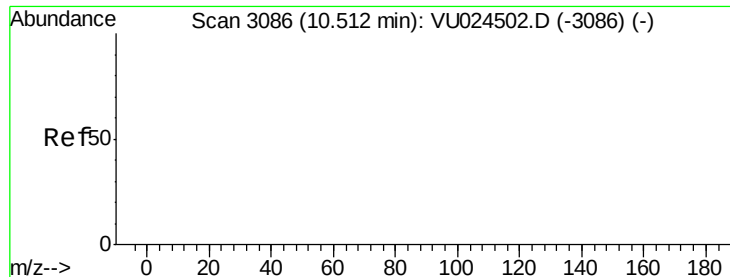
77 1.0 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

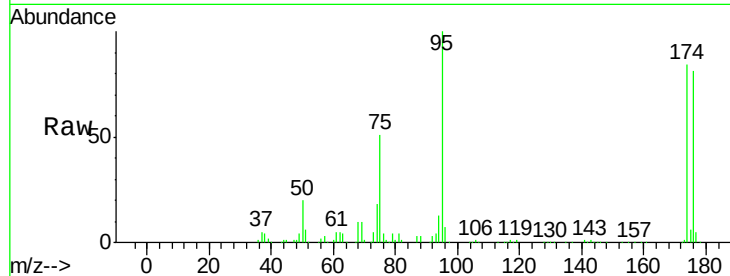




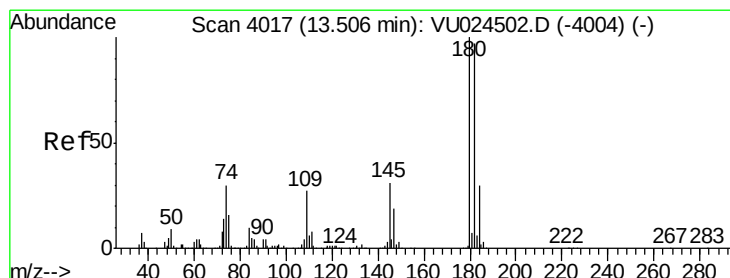
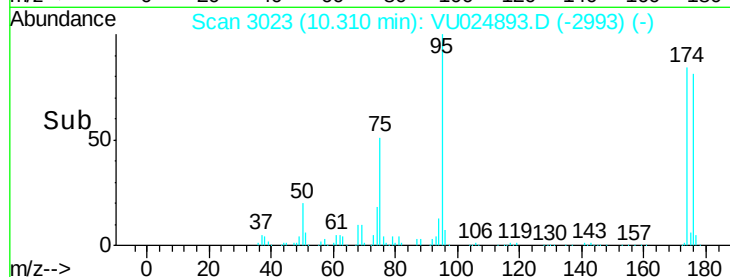
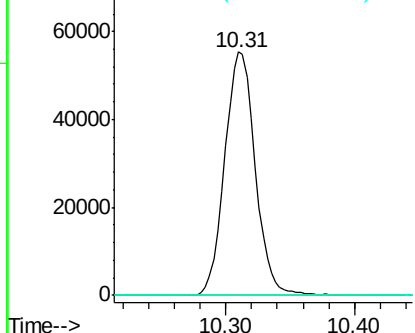
#81
trans-1,4-Dichloro-2-butene
Concen: 58.76 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.20 min
Lab File: VU024893.D
Acq: 25 Jun 2018 23:00

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 90891
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

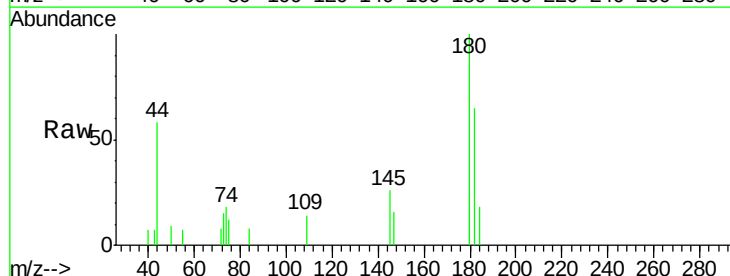


Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 53.00 (52.70 to 53.70): VU0
Ion 88.90 (88.60 to 89.60): VU0

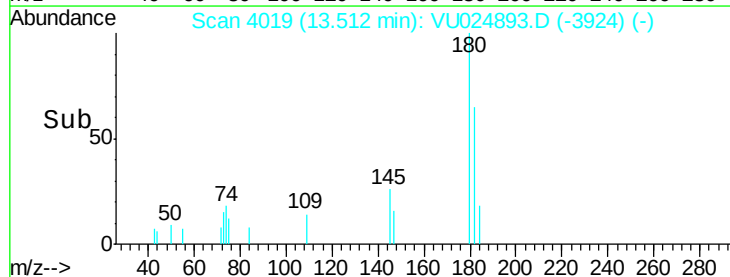
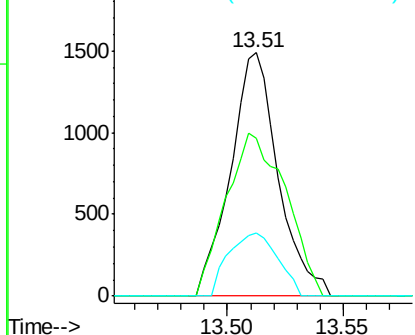


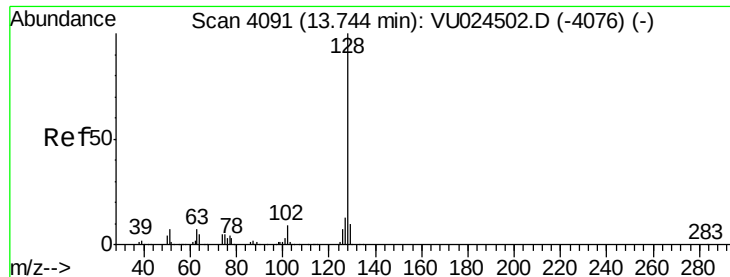
#93
1,2,4-Trichlorobenzene
Concen: 0.59 ug/l
RT: 13.51 min Scan# 4019
Delta R.T. 0.01 min
Lab File: VU024893.D
Acq: 25 Jun 2018 23:00

Tgt Ion:180 Resp: 2122
Ion Ratio Lower Upper
180 100
182 83.9 48.0 144.2
145 26.8 14.7 44.1



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 2.13 ug/l

RT: 13.75 min Scan# 4093

Delta R.T. 0.01 min

Lab File: VU024893.D

Acq: 25 Jun 2018 23:00

Instrument :

MSVOA_U

ClientSampleId :

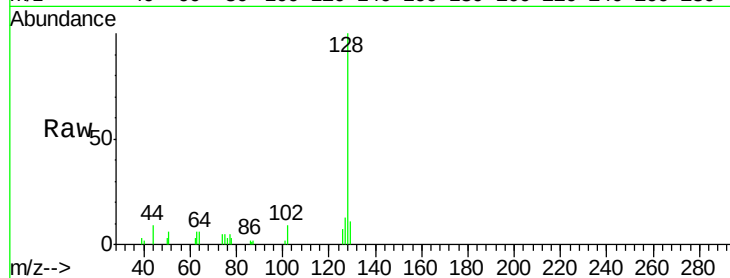
Tot Ion:128 Resp: 17624

Ion Ratio Lower Upper

128 100

127 11.4 10.6 16.0

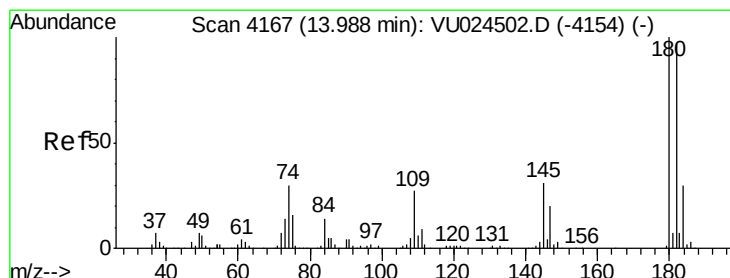
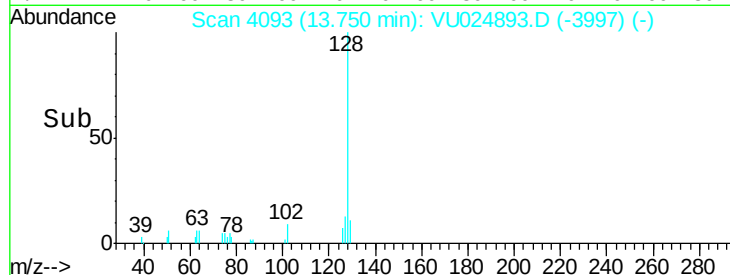
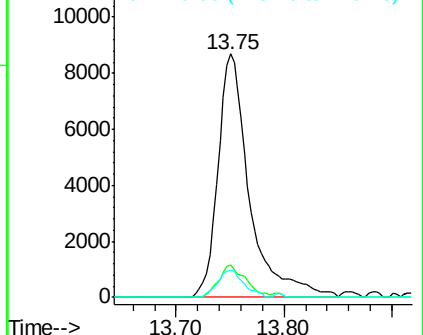
129 9.4 8.6 12.8



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: 0.78 ug/l

RT: 13.99 min Scan# 4169

Delta R.T. 0.01 min

Lab File: VU024893.D

Acq: 25 Jun 2018 23:00

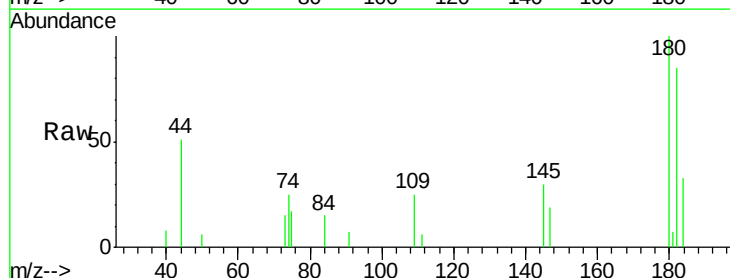
Tgt Ion:180 Resp: 2821

Ion Ratio Lower Upper

180 100

182 94.2 47.9 143.7

145 31.7 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

