

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062518\
 Data File : VU024883.D
 Acq On : 25 Jun 2018 18:33
 Operator : MD/SY
 Sample : J3605-04ME
 Misc : 6.01g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 26 05:17:00 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	4.98	168	208760	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	322380	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.10	117	317625	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	189235	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	156574	45.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.88%	
35) Dibromofluoromethane	4.89	113	124493	46.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.06%	
50) Toluene-d8	7.57	98	473228	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	
62) 4-Bromofluorobenzene	10.31	95	200772	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	

Target Compounds

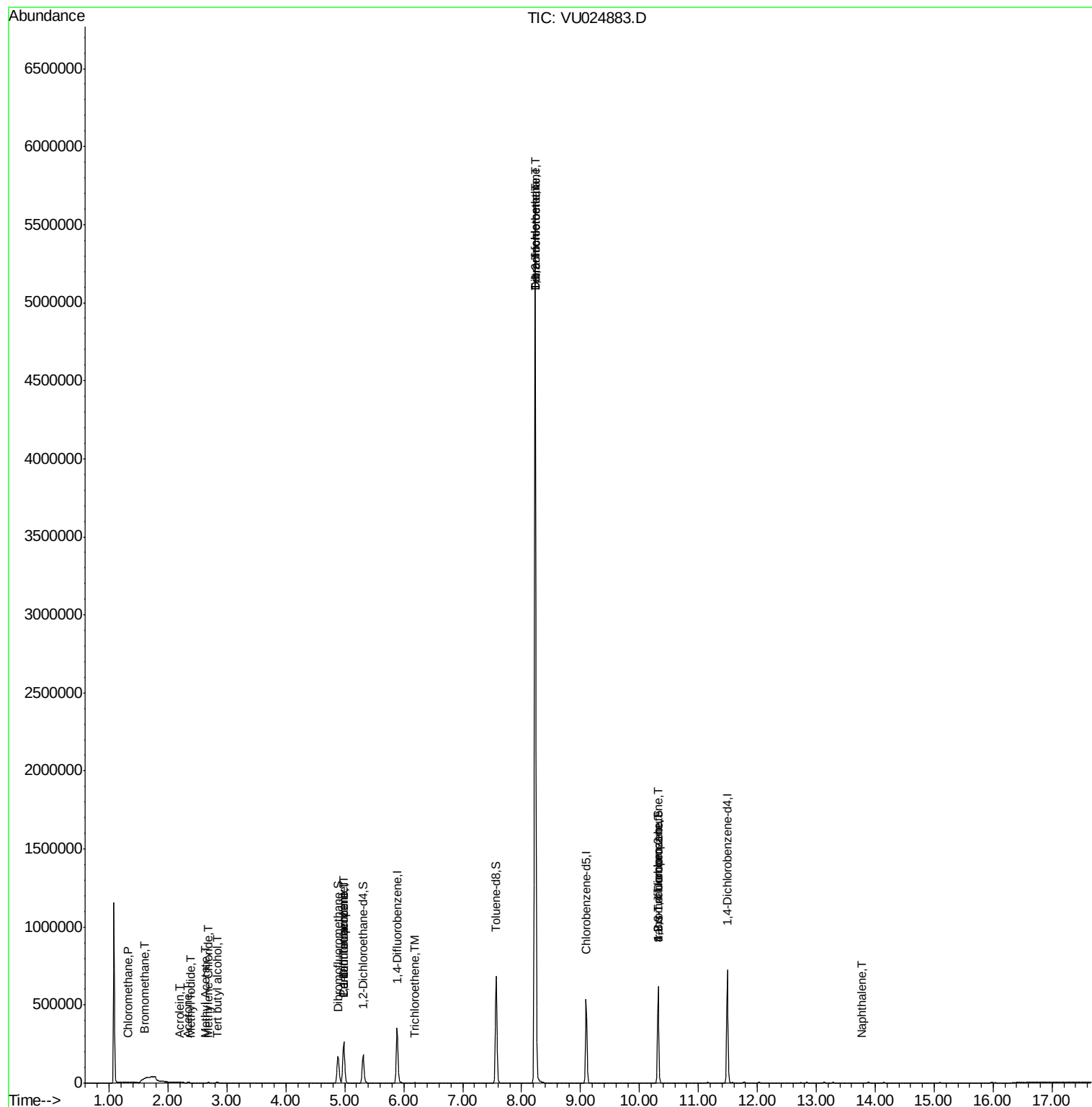
						Qvalue
3) Chloromethane	1.32	50	1280	0.48	ug/l	90
5) Bromomethane	1.60	94	881	0.66	ug/l	95
6) Chloroethane	1.71	64	230	Below Cal	#	1
8) Diethyl Ether	2.10	74	96	Below Cal	#	1
10) Methyl Iodide	2.39	142	349	5.43	ug/l	# 81
11) Tert butyl alcohol	2.83	59	2766	3.34	ug/l	# 72
13) Acrolein	2.20	56	273	0.63	ug/l	# 66
16) Acetone	2.35	43	4939	2.70	ug/l	# 89
18) Methyl Acetate	2.63	43	962	0.25	ug/l	# 78
20) Methylene Chloride	2.69	84	2084	0.73	ug/l	# 79
31) Cyclohexane	4.98	56	4384	Below Cal	#	3
36) 1,1-Dichloropropene	4.98	75	15366	4.06	ug/l	# 51
38) Carbon Tetrachloride	4.98	117	19564	4.70	ug/l	# 16
44) Trichloroethene	6.19	130	1118	0.36	ug/l	94
55) 1,1,2-Trichloroethane	8.23	97	10357	3.67	ug/l	# 1
60) Dibromochloromethane	8.23	129	1194994	339.47	ug/l	# 11
64) Tetrachloroethene	8.23	164	1263486	418.49	ug/l	99
76) 1,2,3-Trichloropropane	10.31	75	102508	24.60	ug/l	# 35
81) trans-1,4-Dichloro-2-buten	10.31	75	102508	56.94	ug/l	# 100
95) Naphthalene	13.77	128	486	0.71	ug/l	# 69

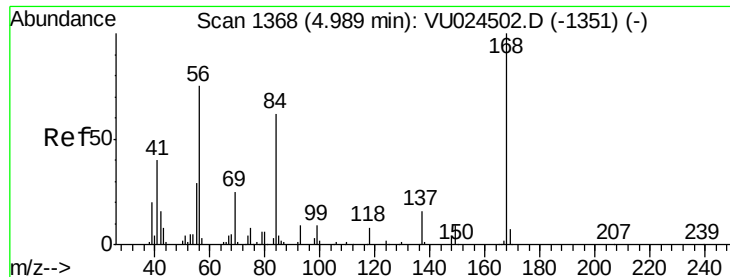
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU062518\
Data File : VU024883.D
Acq On : 25 Jun 2018 18:33
Operator : MD/SY
Sample : J3605-04ME
Misc : 6.01µ/5.0mL/100µL/5.0mL/MSVOA_U/MEOH
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Jun 26 05:17:00 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
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: 4.98 min Scan# 1366

Delta R.T. -0.01 min

Lab File: VU024883.D

Acq: 25 Jun 2018 18:33

Instrument :

MSVOA_U

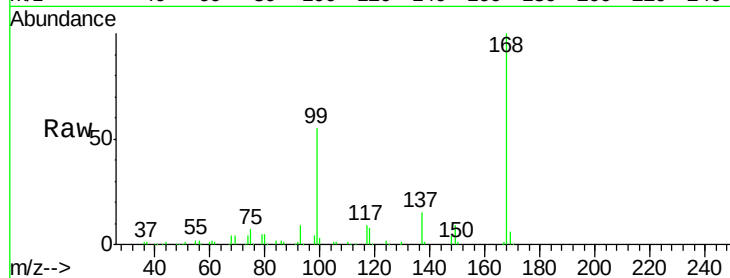
ClientSampleId :

Tot Ion:168 Resp: 208760

Ion Ratio Lower Upper

168 100

99 54.9 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024883.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU024883.D (-1275) (-)

4.98

100000

80000

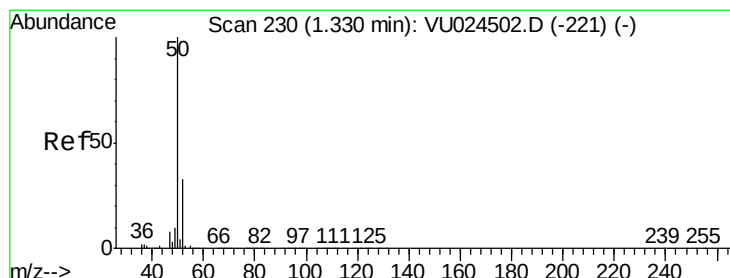
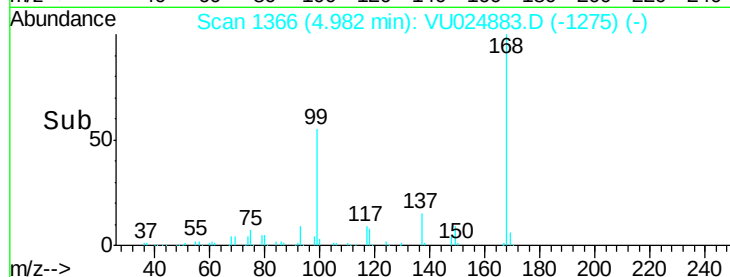
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.48 ug/l

RT: 1.32 min Scan# 227

Delta R.T. -0.01 min

Lab File: VU024883.D

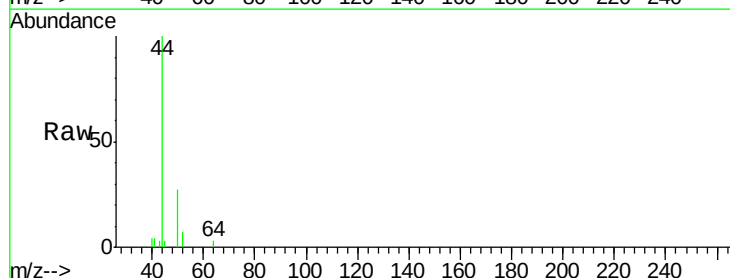
Acq: 25 Jun 2018 18:33

Tgt Ion: 50 Resp: 1280

Ion Ratio Lower Upper

50 100

52 27.4 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU024883.D (-137) (-)

Ion 51.90 (51.60 to 52.60): VU024883.D (-137) (-)

1.32

1200

1000

800

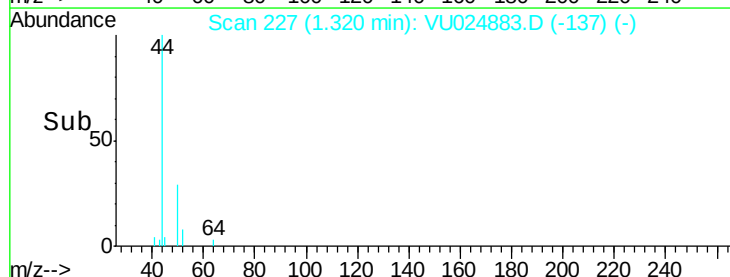
600

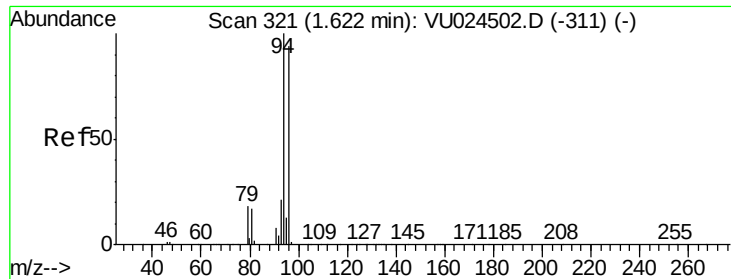
400

200

0

Time-->





#5

Bromomethane

Concen: 0.66 ug/l

RT: 1.60 min Scan# 314

Delta R.T. -0.02 min

Lab File: VU024883.D

Acq: 25 Jun 2018 18:33

Instrument :

MSVOA_U

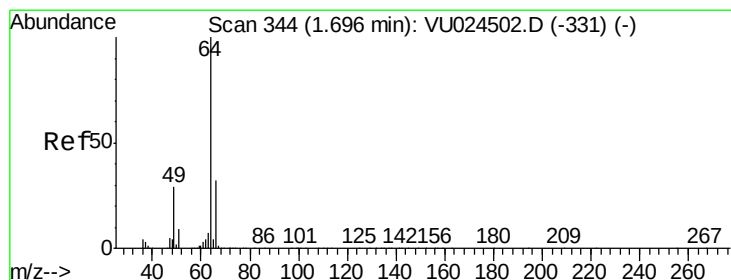
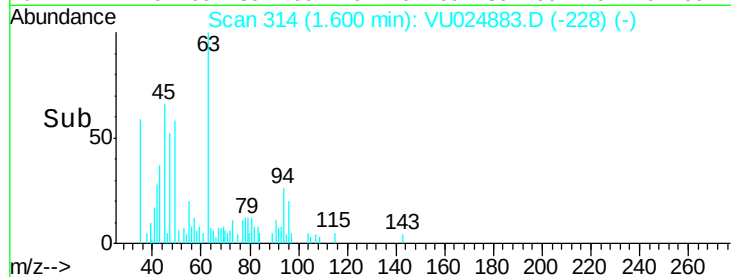
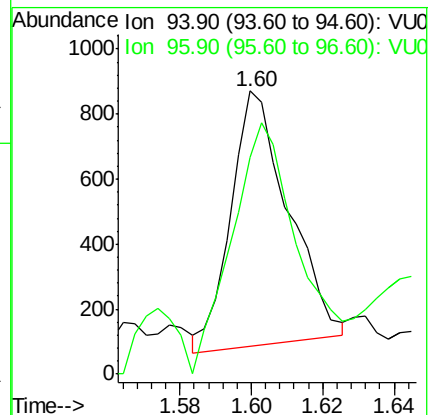
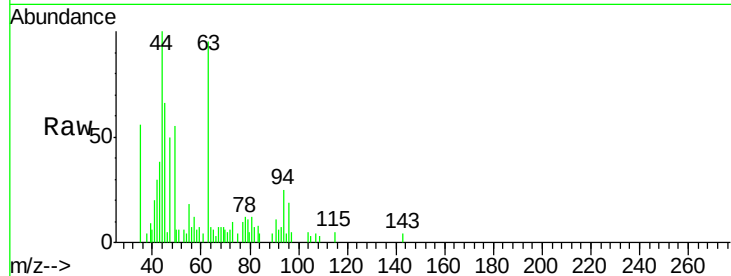
ClientSampleId :

Tot Ion: 94 Resp: 881

Ion Ratio Lower Upper

94 100

96 88.4 74.5 111.7



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 347

Delta R.T. 0.01 min

Lab File: VU024883.D

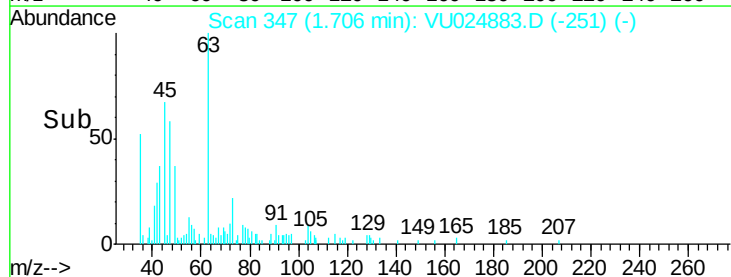
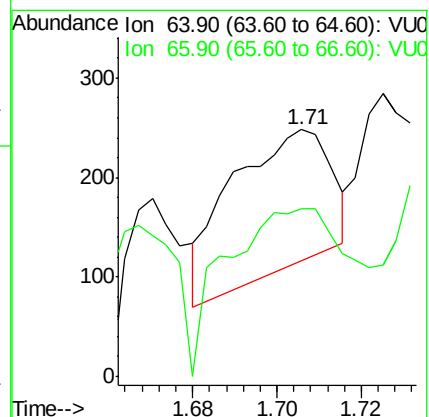
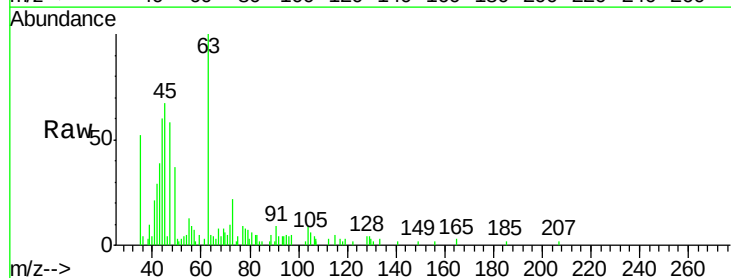
Acq: 25 Jun 2018 18:33

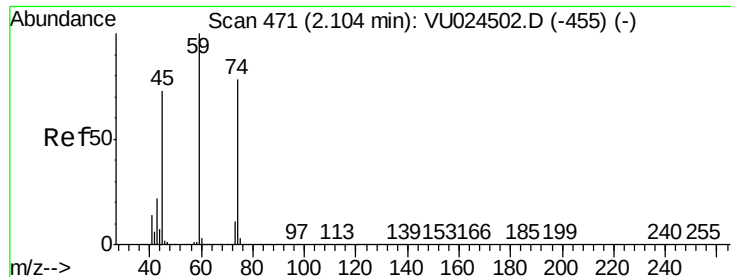
Tgt Ion: 64 Resp: 230

Ion Ratio Lower Upper

64 100

66 147.4 25.5 38.3#





#8

Diethyl Ether

Concen: Below Cal

RT: 2.10 min Scan# 469

Delta R.T. -0.01 min

Lab File: VU024883.D

Acq: 25 Jun 2018 18:33

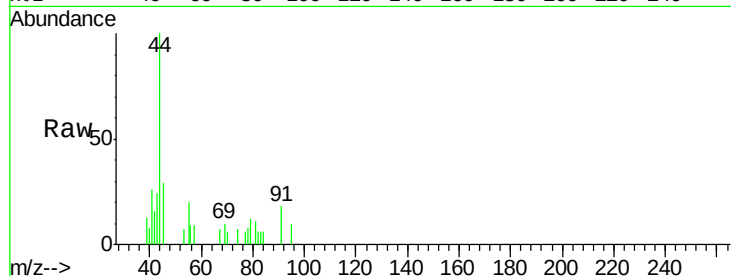
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 74 Resp: 96

Ion Ratio Lower Upper

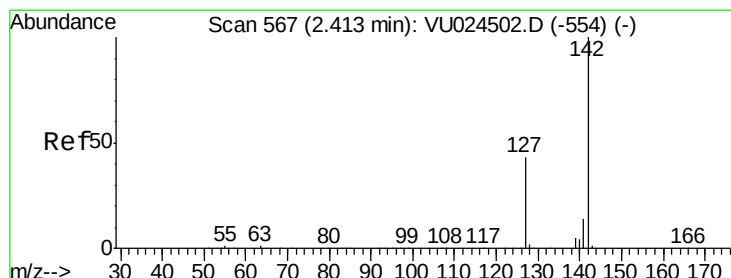
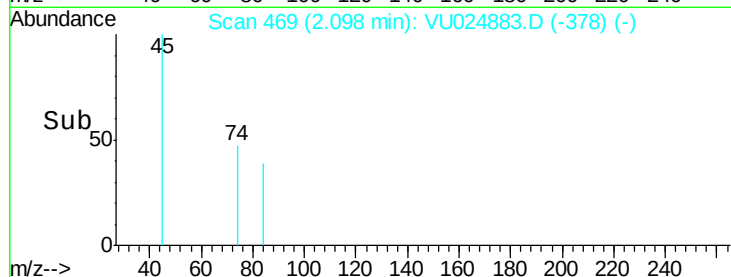
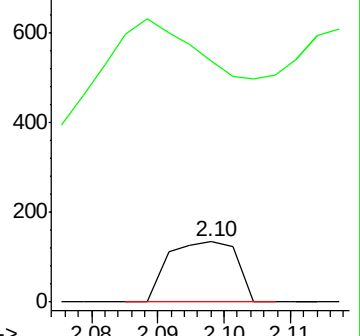
74 100

45 645.8 55.0 165.0#



Abundance Ion 74.00 (73.70 to 74.70): VU024502.D (-455) (-)

Ion 45.00 (44.70 to 45.70): VU024502.D (-455) (-)



#10

Methyl Iodide

Concen: 5.43 ug/l

RT: 2.39 min Scan# 559

Delta R.T. -0.03 min

Lab File: VU024883.D

Acq: 25 Jun 2018 18:33

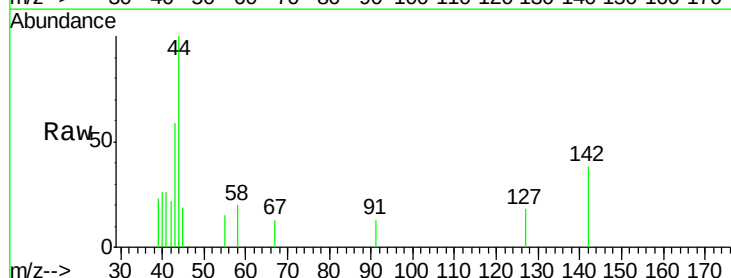
Tgt Ion: 142 Resp: 349

Ion Ratio Lower Upper

142 100

127 35.8 35.6 53.4

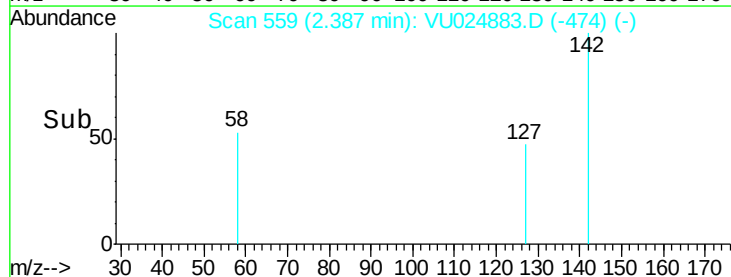
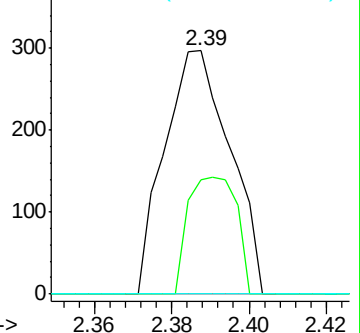
141 0.0 11.7 17.5#

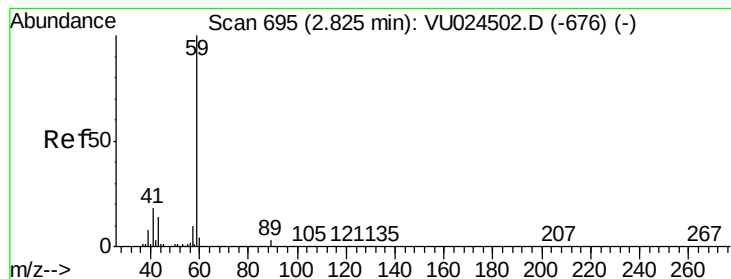


Abundance Ion 141.80 (141.50 to 142.50): VU024502.D (-554) (-)

Ion 126.80 (126.50 to 127.50): VU024502.D (-554) (-)

Ion 140.80 (140.50 to 141.50): VU024502.D (-554) (-)



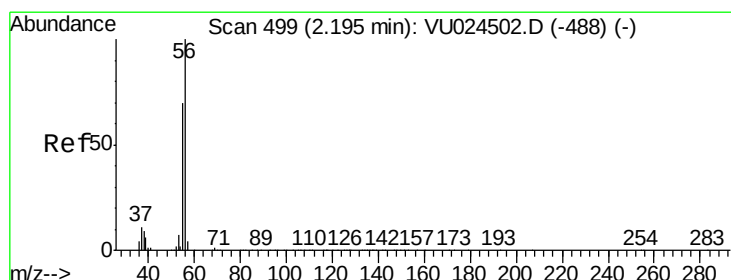
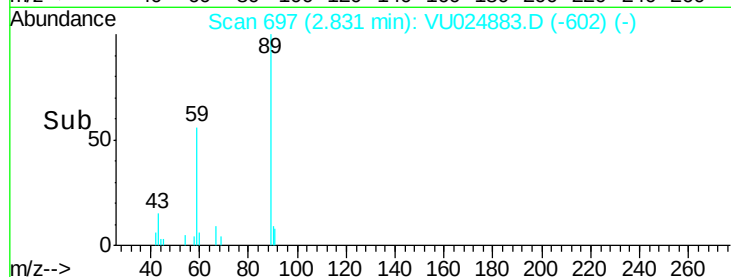
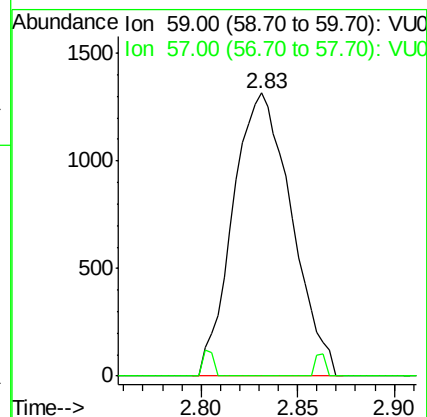
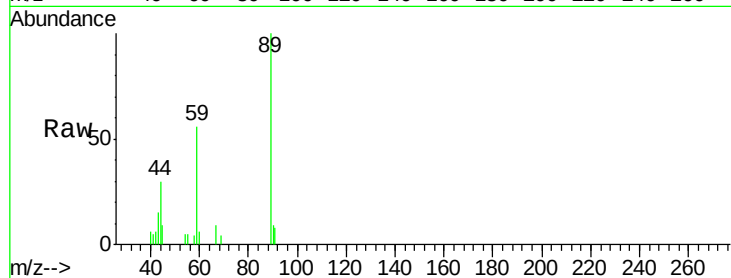


#11

Tert butyl alcohol
Concen: 3.34 ug/l
RT: 2.83 min Scan# 697
Delta R.T. 0.01 min
Lab File: VU024883.D
Acq: 25 Jun 2018 18:33

Instrument :
MSVOA_U
ClientSampled :

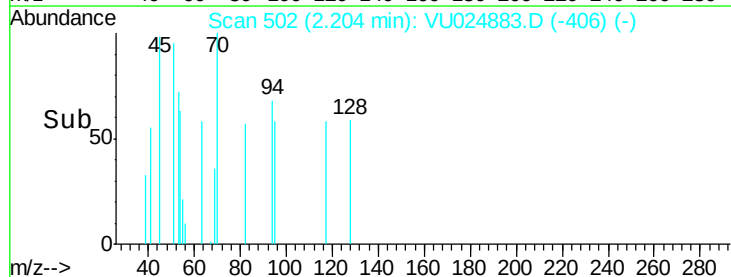
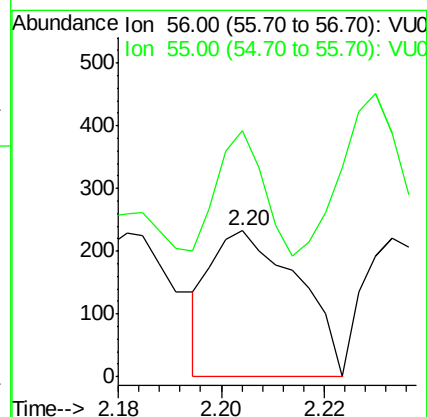
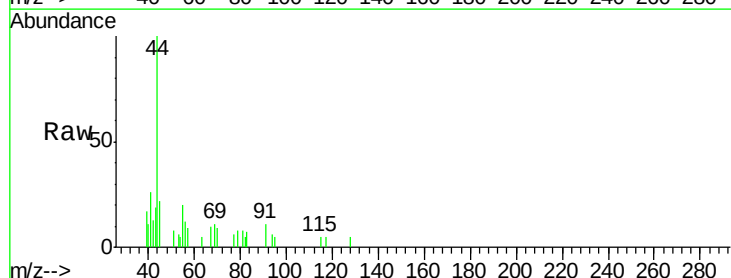
Tot Ion: 59 Resp: 2766
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

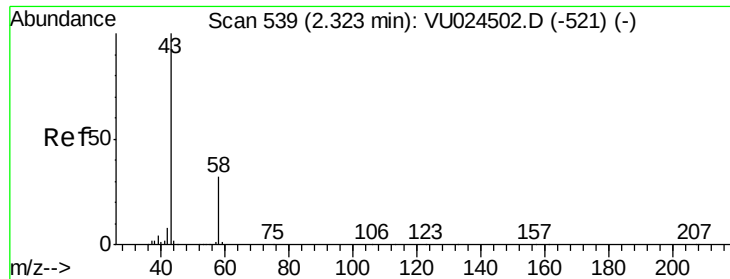


#13

Acrolein
Concen: 0.63 ug/l
RT: 2.20 min Scan# 502
Delta R.T. 0.01 min
Lab File: VU024883.D
Acq: 25 Jun 2018 18:33

Tgt Ion: 56 Resp: 273
Ion Ratio Lower Upper
56 100
55 44.3 58.4 87.6#





#16

Acetone

Concen: 2.70 ug/l

RT: 2.35 min Scan# 546

Delta R.T. 0.02 min

Lab File: VU024883.D

Acq: 25 Jun 2018 18:33

Instrument :

MSVOA_U

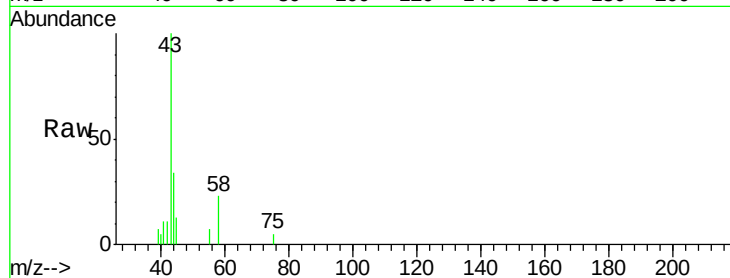
ClientSampleId :

Tot Ion: 43 Resp: 4939

Ion Ratio Lower Upper

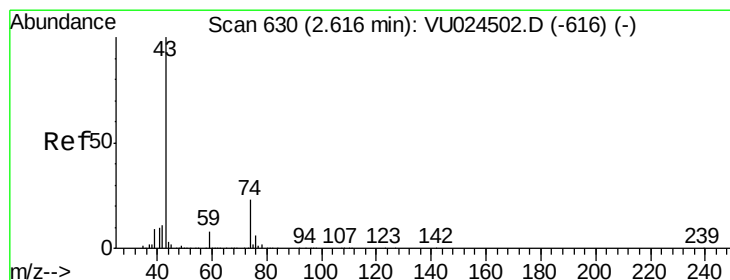
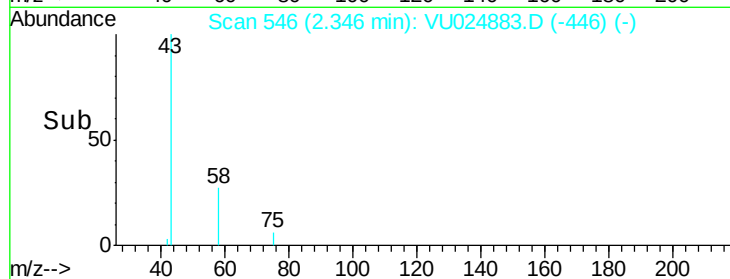
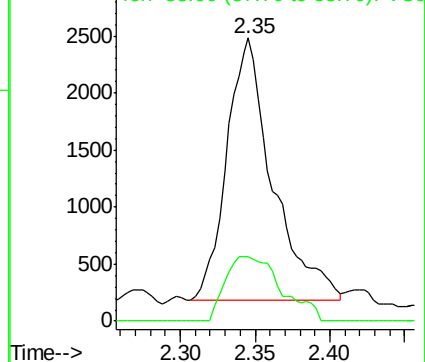
43 100

58 24.4 24.4 36.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#18

Methyl Acetate

Concen: 0.25 ug/l

RT: 2.63 min Scan# 635

Delta R.T. 0.02 min

Lab File: VU024883.D

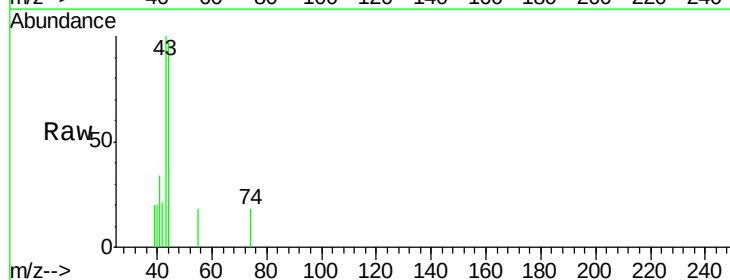
Acq: 25 Jun 2018 18:33

Tgt Ion: 43 Resp: 962

Ion Ratio Lower Upper

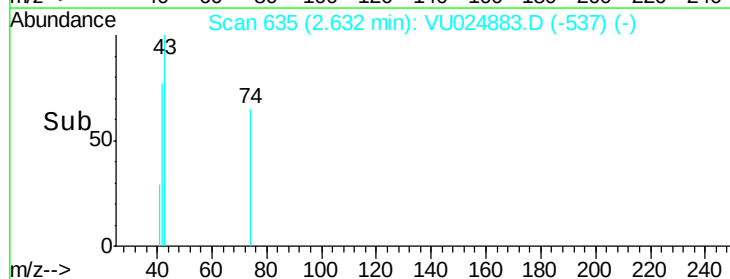
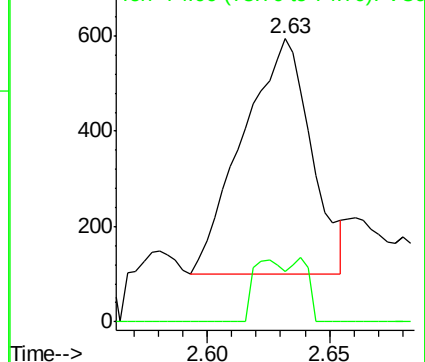
43 100

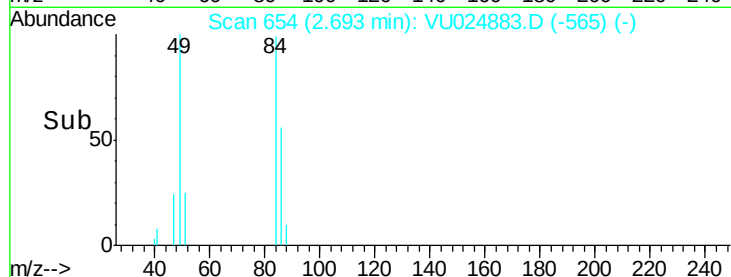
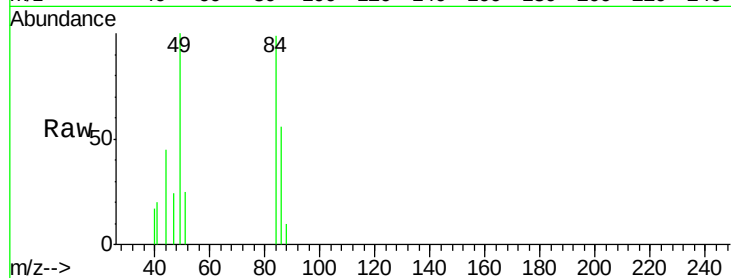
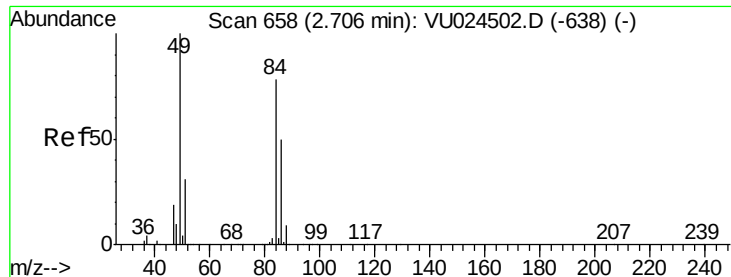
74 12.0 18.0 27.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

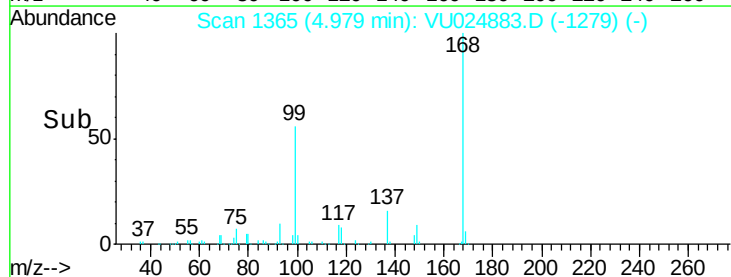
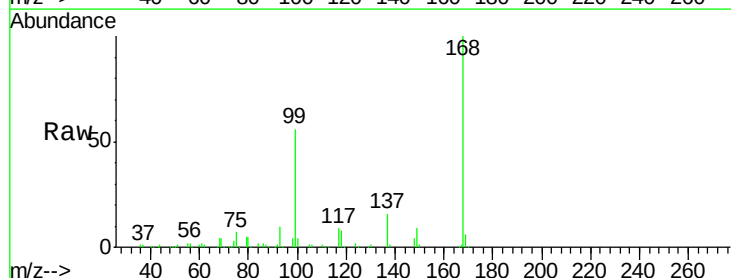
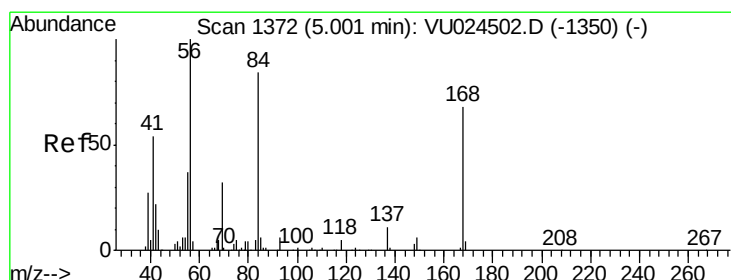
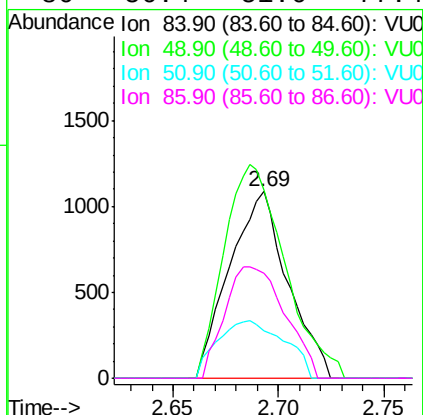




#20
Methylene Chloride
Concen: 0.73 ug/l
RT: 2.69 min Scan# 654
Delta R.T. -0.01 min
Lab File: VU024883.D
Acq: 25 Jun 2018 18:33

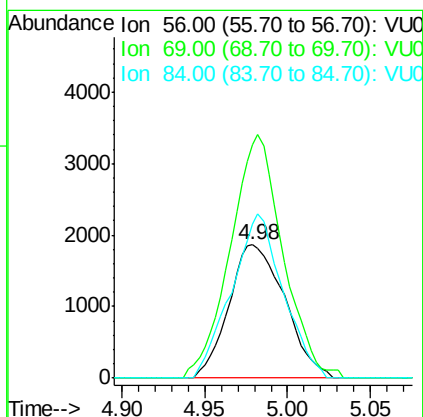
Instrument :
MSVOA_U
ClientSampleId :

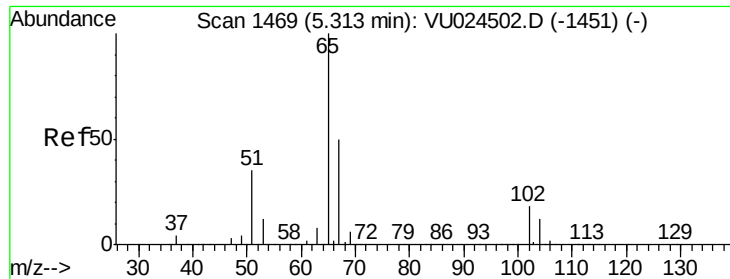
Tot Ion	84	Resp	2084
Ion	Ratio	Lower	Upper
84	100		
49	100.8	103.8	155.8#
51	25.2	32.0	48.0#
86	56.4	51.6	77.4



#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1365
Delta R.T. -0.02 min
Lab File: VU024883.D
Acq: 25 Jun 2018 18:33

Tgt Ion	56	Resp	4384
Ion	Ratio	Lower	Upper
56	100		
69	170.0	24.8	37.2#
84	115.5	65.2	97.8#

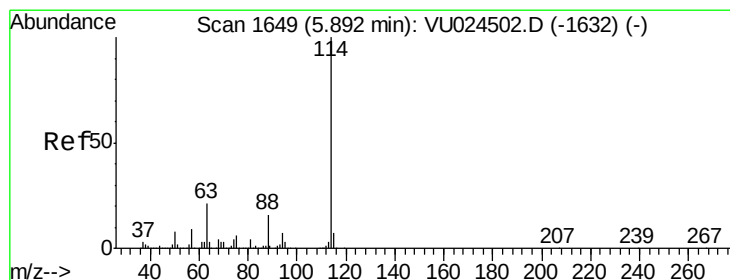
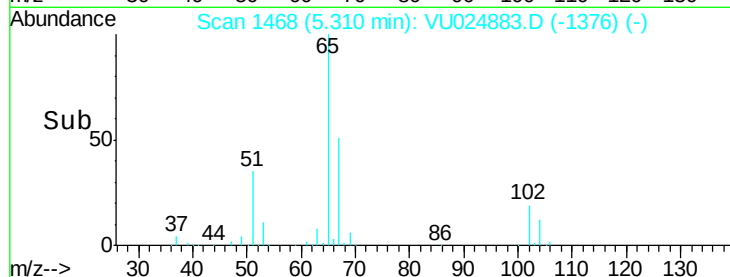
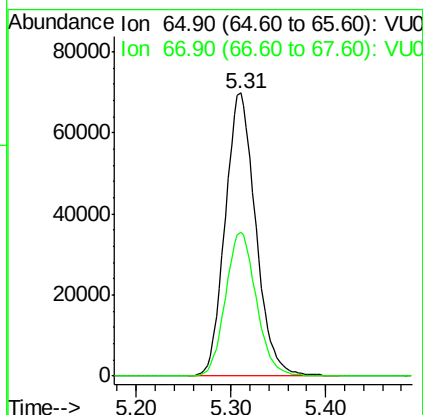
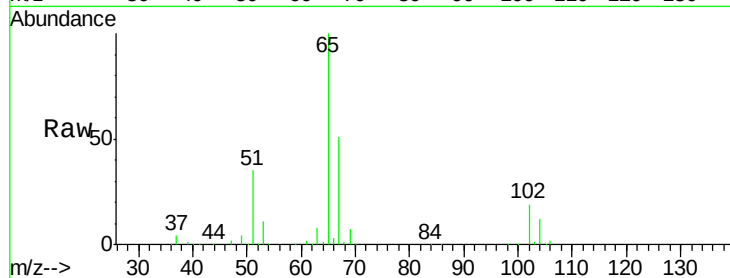




#33
 1,2-Dichloroethane-d4
 Concen: 45.94 ug/l
 RT: 5.31 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: VU024883.D
 Acq: 25 Jun 2018 18:33

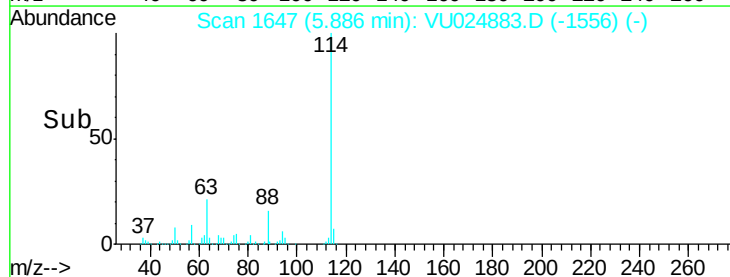
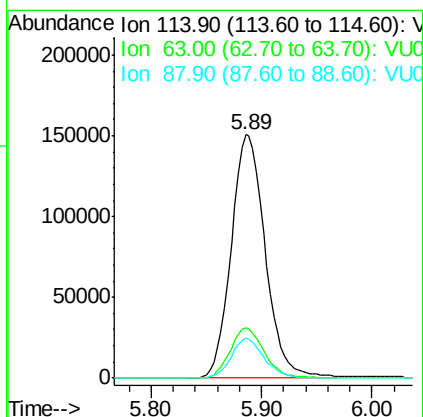
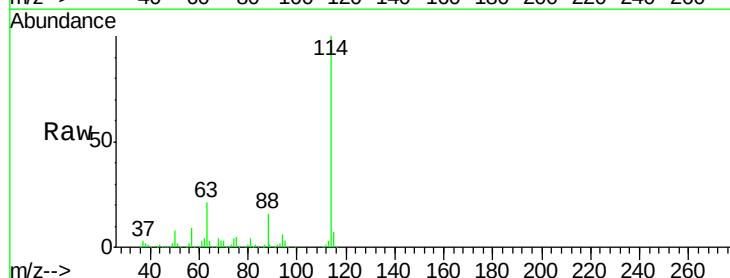
Instrument :
 MSVOA_U
 ClientSampleId :

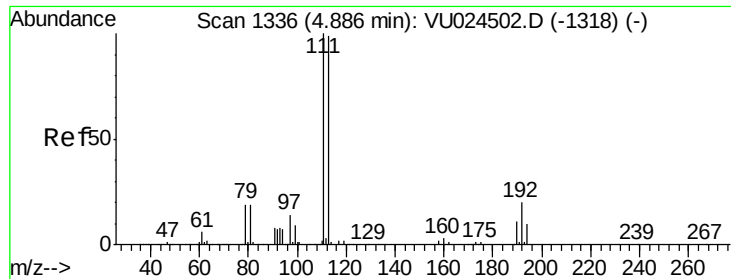
Tot Ion: 65 Resp: 156574
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1647
 Delta R.T. -0.01 min
 Lab File: VU024883.D
 Acq: 25 Jun 2018 18:33

Tgt Ion: 114 Resp: 322380
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 45.4
 88 16.3 0.0 31.0

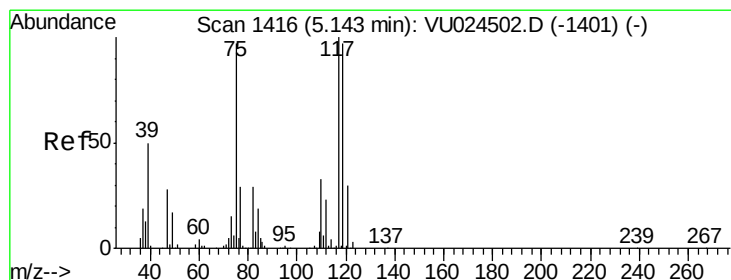
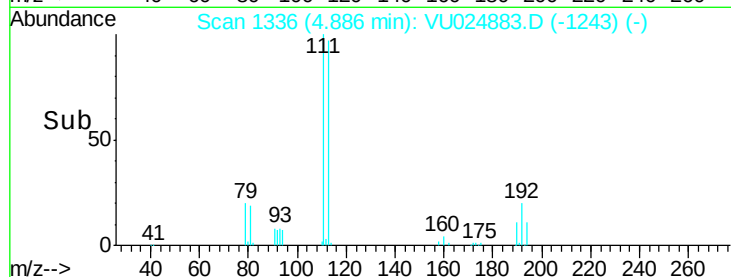
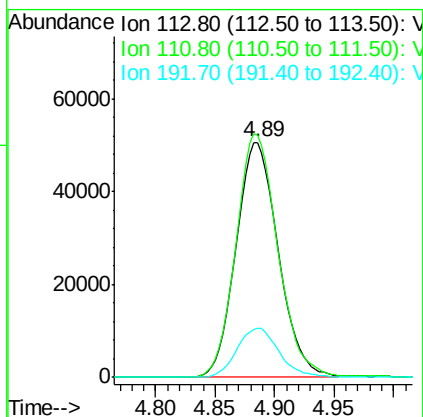
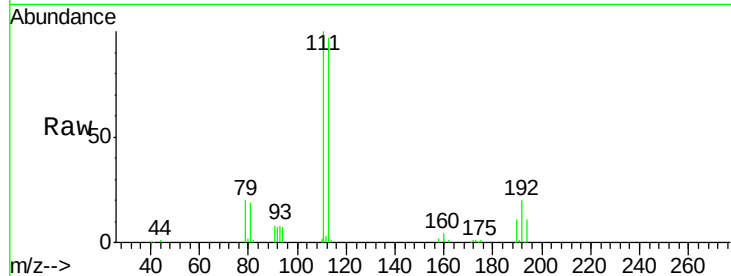




#35
 Dibromofluoromethane
 Concen: 46.53 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. -0.00 min
 Lab File: VU024883.D
 Acq: 25 Jun 2018 18:33

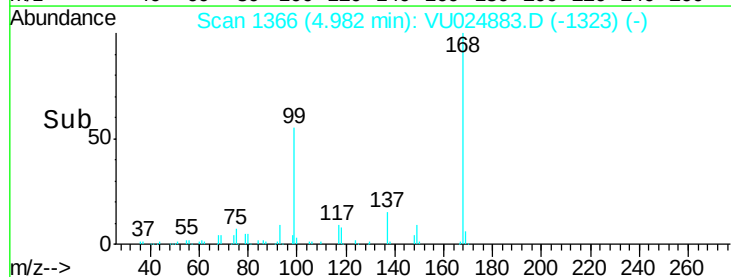
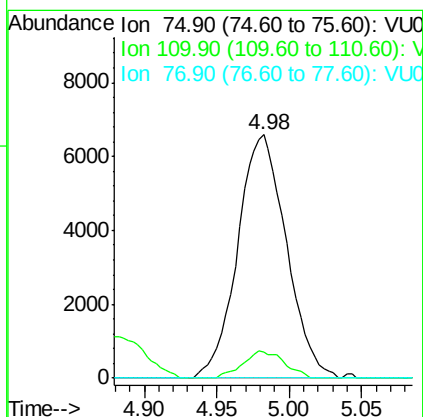
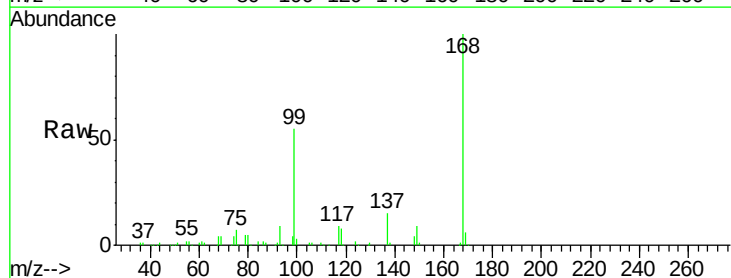
Instrument :
 MSVOA_U
 ClientSampleId :

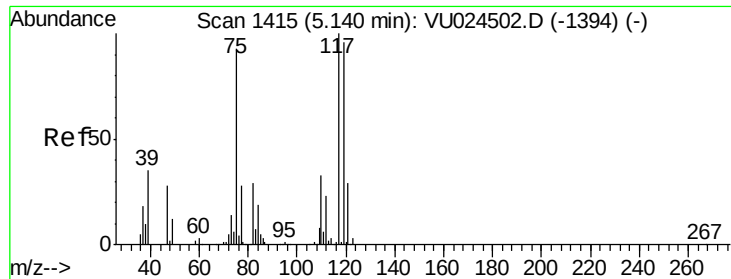
Tot Ion:113 Resp: 124493
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.2 123.4
 192 20.9 16.2 24.4



#36
 1,1-Dichloropropene
 Concen: 4.06 ug/l
 RT: 4.98 min Scan# 1366
 Delta R.T. -0.16 min
 Lab File: VU024883.D
 Acq: 25 Jun 2018 18:33

Tgt Ion: 75 Resp: 15366
 Ion Ratio Lower Upper
 75 100
 110 9.5 17.0 50.9#
 77 0.0 24.2 36.4#





#38

Carbon Tetrachloride

Concen: 4.70 ug/l

RT: 4.98 min Scan# 1366

Delta R.T. -0.16 min

Lab File: VU024883.D

Acq: 25 Jun 2018 18:33

Instrument :

MSVOA_U

ClientSampled :

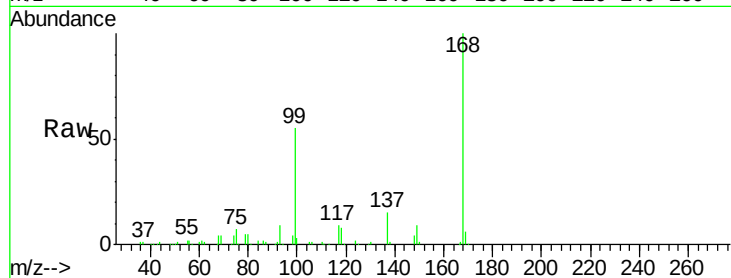
Tot Ion:117 Resp: 19564

Ion Ratio Lower Upper

117 100

119 5.1 76.1 114.1#

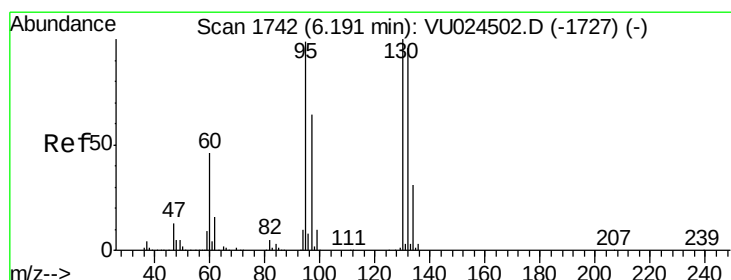
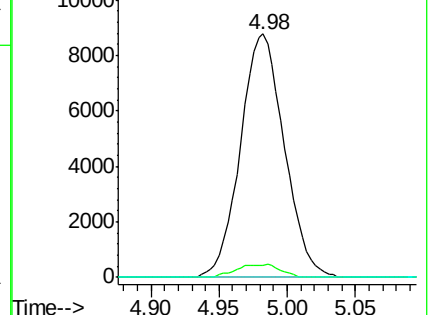
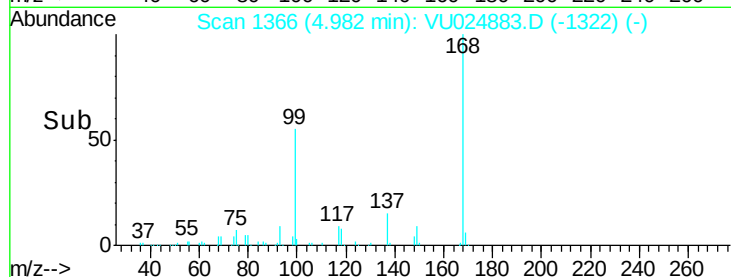
121 0.0 23.7 35.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#44

Trichloroethene

Concen: 0.36 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU024883.D

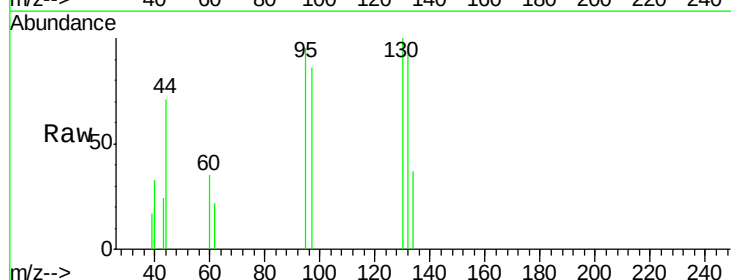
Acq: 25 Jun 2018 18:33

Tgt Ion:130 Resp: 1118

Ion Ratio Lower Upper

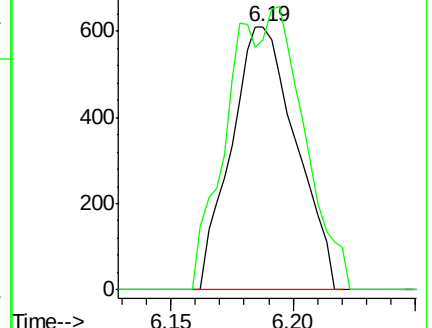
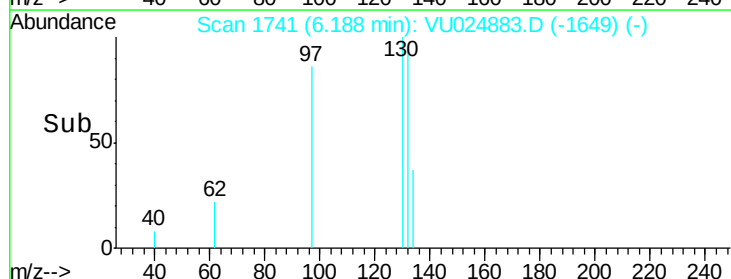
130 100

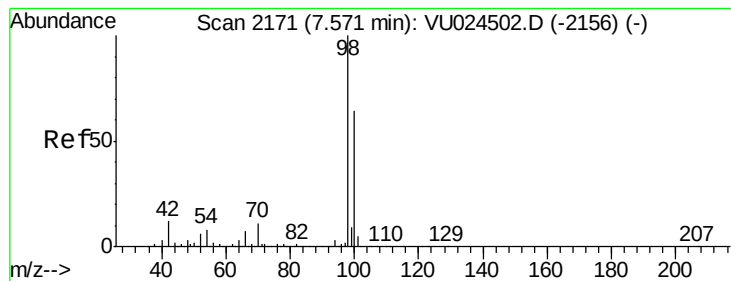
95 94.9 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0





#50

Toluene-d8

Concen: 48.49 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024883.D

Acq: 25 Jun 2018 18:33

Instrument :

MSVOA_U

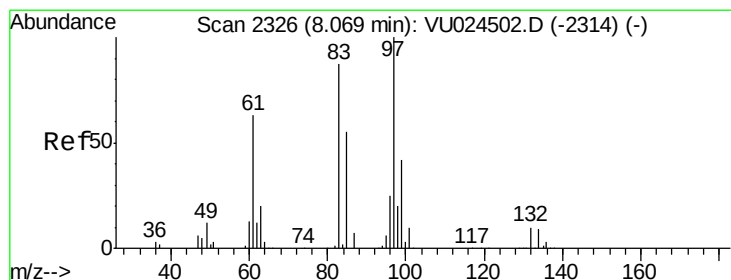
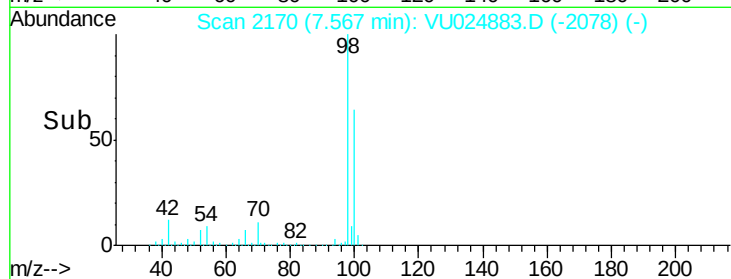
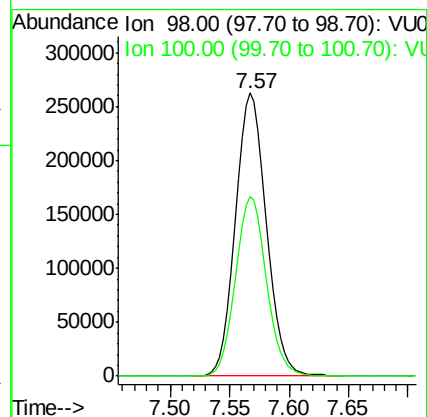
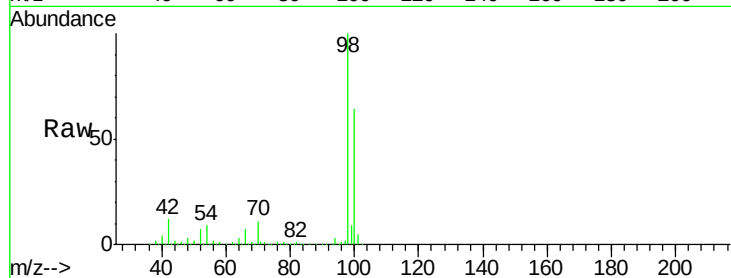
ClientSampled :

Tot Ion: 98 Resp: 473228

Ion Ratio Lower Upper

98 100

100 63.5 51.1 76.7



#55

1,1,2-Trichloroethane

Concen: 3.67 ug/l

RT: 8.23 min Scan# 2376

Delta R.T. 0.16 min

Lab File: VU024883.D

Acq: 25 Jun 2018 18:33

Tgt Ion: 97 Resp: 10357

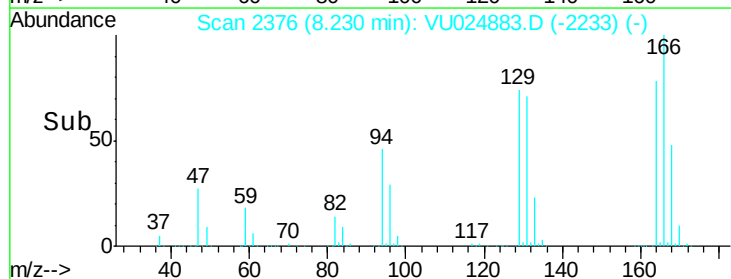
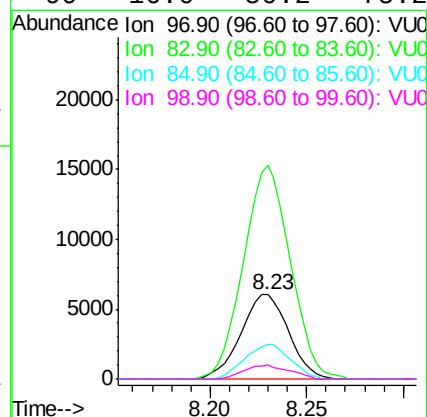
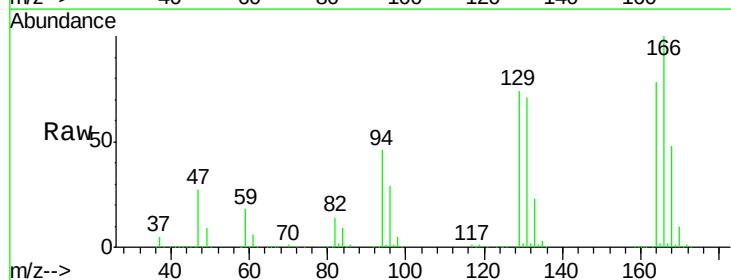
Ion Ratio Lower Upper

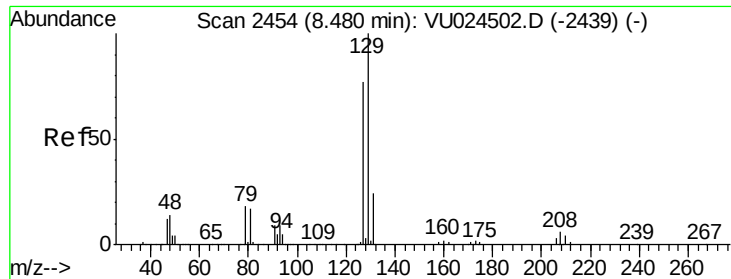
97 100

83 252.9 70.5 105.7#

85 41.5 46.4 69.6#

99 16.0 50.2 75.2#

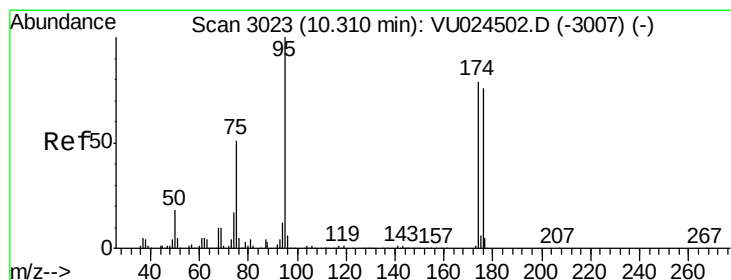
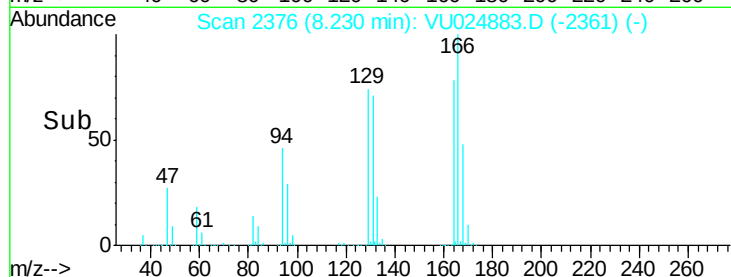
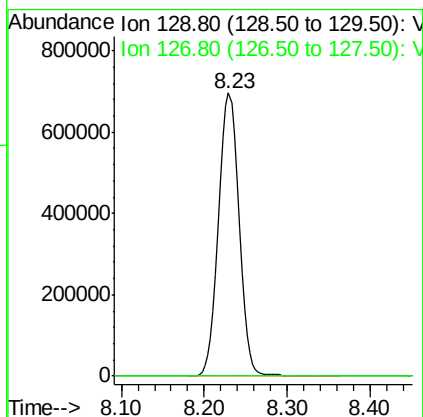
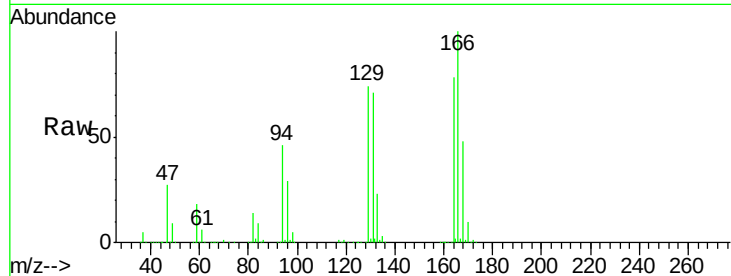




#60
 Dibromochloromethane
 Concen: 339.47 ug/l
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.25 min
 Lab File: VU024883.D
 Acq: 25 Jun 2018 18:33

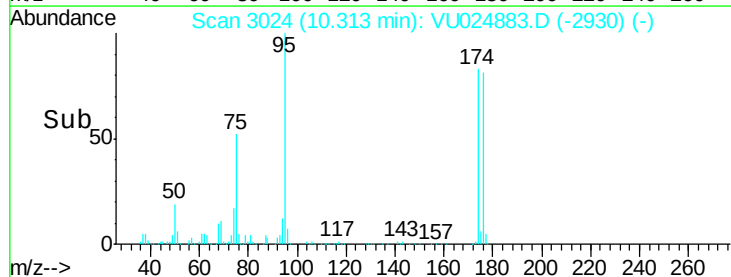
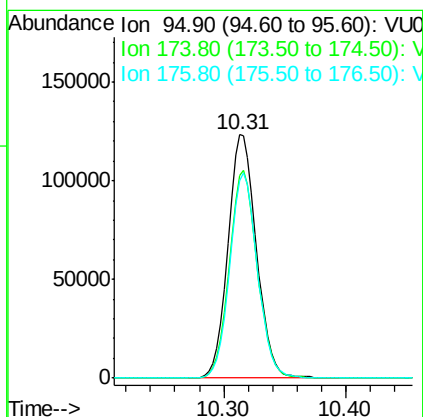
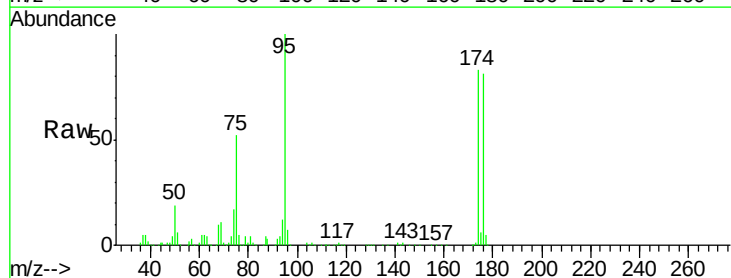
Instrument :
 MSVOA_U
 ClientSampleId :

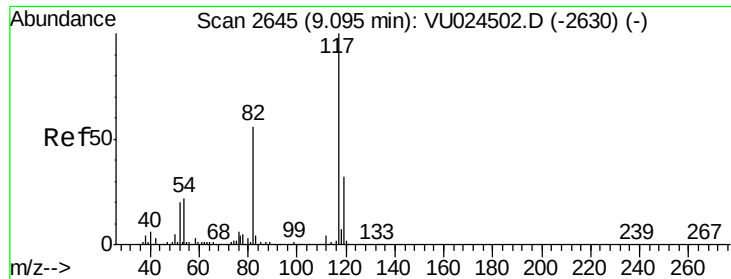
Tot Ion:129 Resp: 1194994
 Ion Ratio Lower Upper
 129 100
 127 0.1 38.6 116.0#



#62
 4-Bromofluorobenzene
 Concen: 51.82 ug/l
 RT: 10.31 min Scan# 3024
 Delta R.T. 0.00 min
 Lab File: VU024883.D
 Acq: 25 Jun 2018 18:33

Tgt Ion: 95 Resp: 200772
 Ion Ratio Lower Upper
 95 100
 174 83.8 0.0 165.8
 176 82.1 0.0 159.4

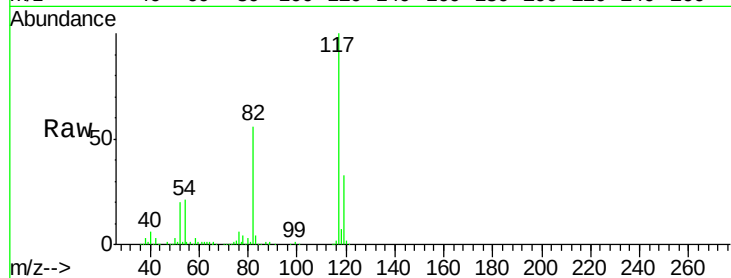




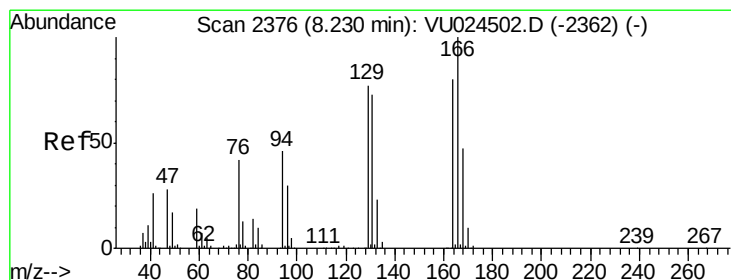
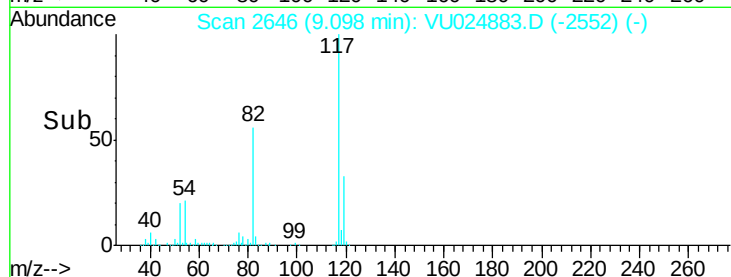
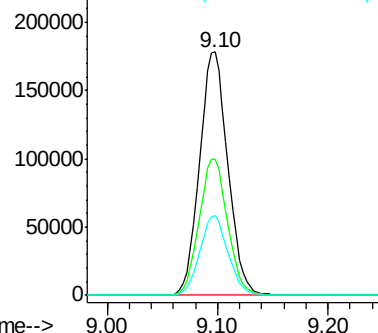
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.10 min Scan# 2646
Delta R.T. 0.00 min
Lab File: VU024883.D
Acq: 25 Jun 2018 18:33

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 317625
Ion Ratio Lower Upper
117 100
82 55.8 44.3 66.5
119 32.7 25.4 38.2

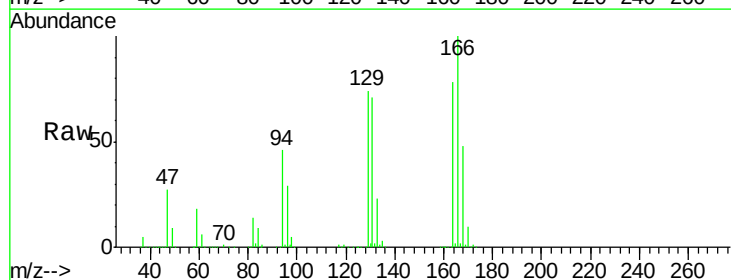


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

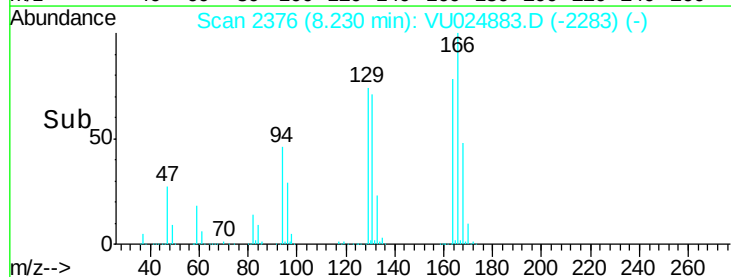
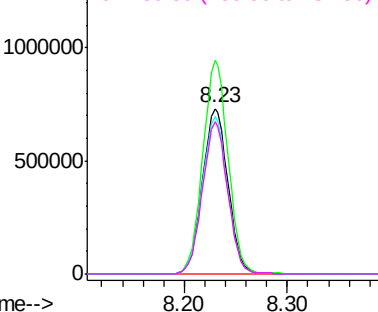


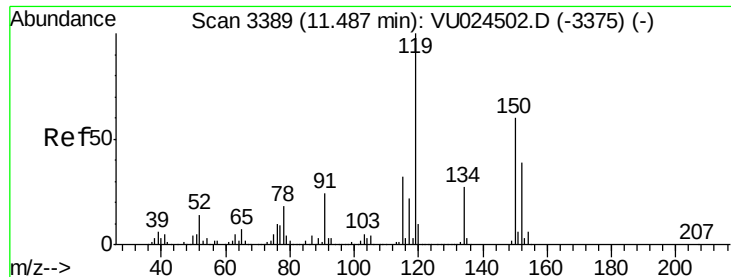
#64
Tetrachloroethene
Concen: 418.49 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. -0.00 min
Lab File: VU024883.D
Acq: 25 Jun 2018 18:33

Tgt Ion:164 Resp: 1263486
Ion Ratio Lower Upper
164 100
166 129.0 101.7 152.5
129 95.1 76.9 115.3
131 92.0 74.9 112.3



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VU024883.D

Acq: 25 Jun 2018 18:33

Instrument :

MSVOA_U

ClientSampleId :

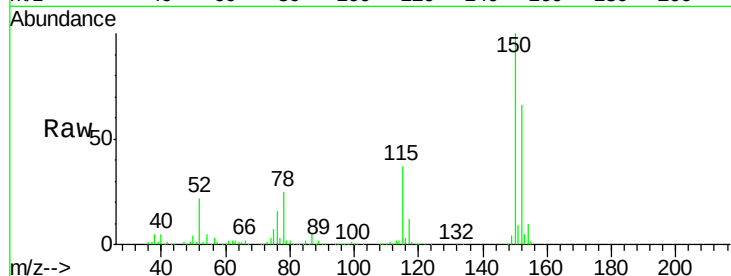
Tot Ion:152 Resp: 189235

Ion Ratio Lower Upper

152 100

115 57.0 43.0 129.0

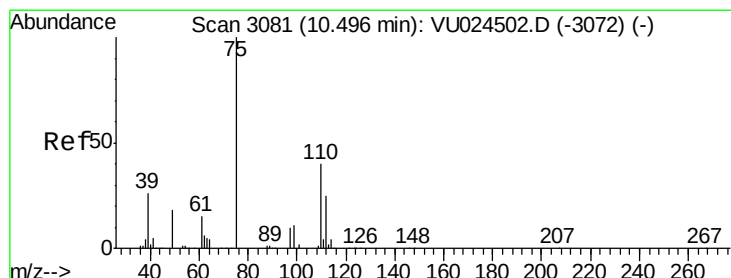
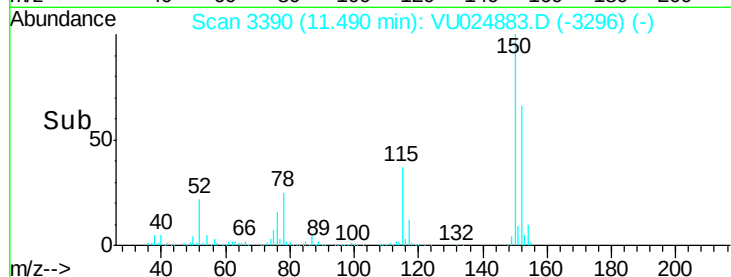
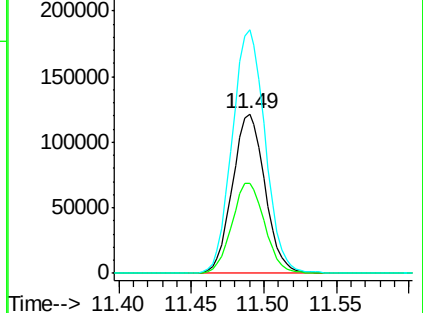
150 155.2 0.0 354.0



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: 24.60 ug/l

RT: 10.31 min Scan# 3024

Delta R.T. -0.18 min

Lab File: VU024883.D

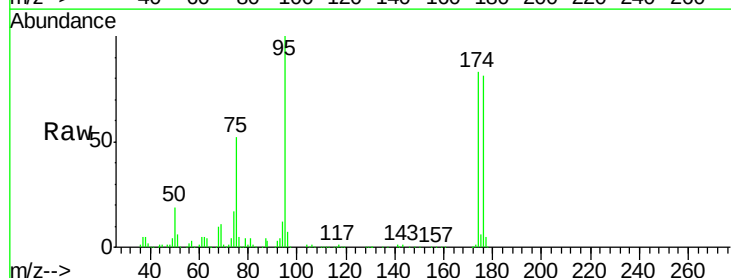
Acq: 25 Jun 2018 18:33

Tgt Ion: 75 Resp: 102508

Ion Ratio Lower Upper

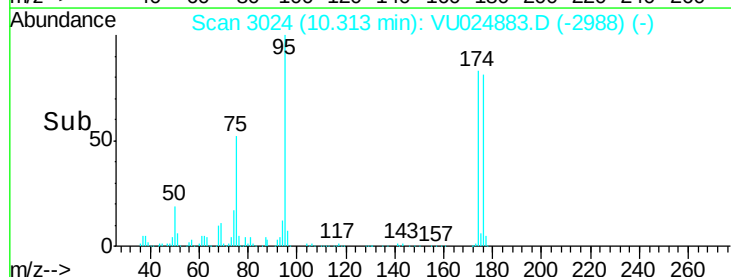
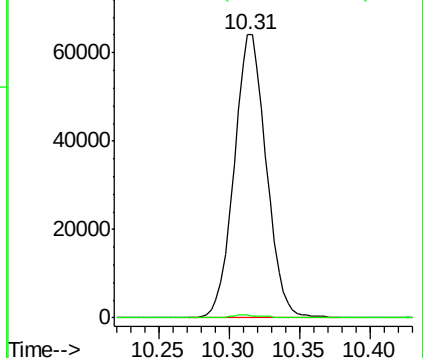
75 100

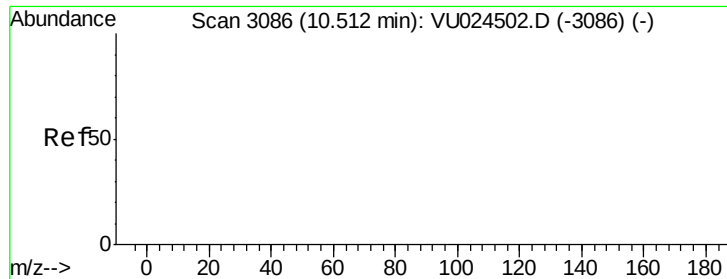
77 1.0 20.9 62.7#



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: 56.94 ug/l

RT: 10.31 min Scan# 3024

Delta R.T. -0.20 min

Lab File: VU024883.D

Acq: 25 Jun 2018 18:33

Instrument :

MSVOA_U

ClientSampleId :

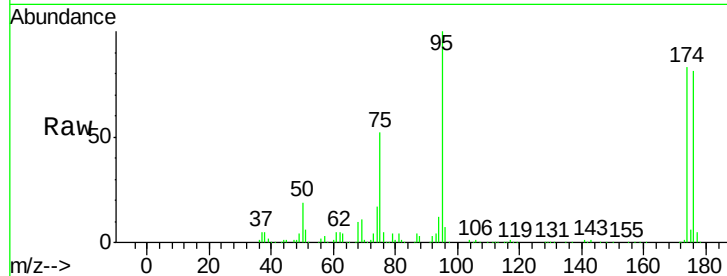
Tot Ion: 75 Resp: 102508

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

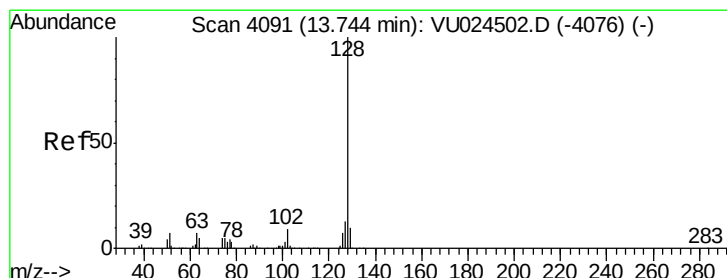
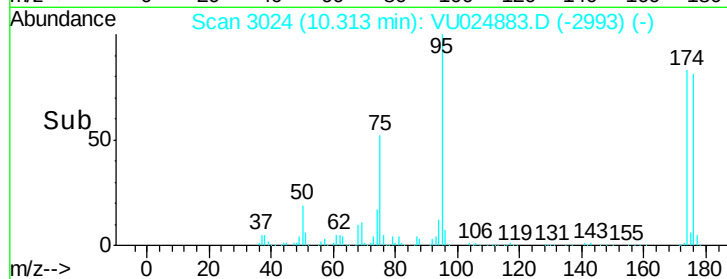
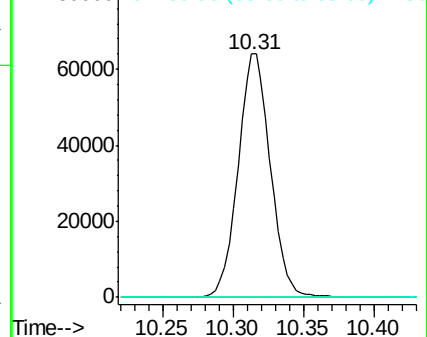
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU024502.D (-3086) (-)

Ion 53.00 (52.70 to 53.70): VU024502.D (-3086) (-)

Ion 88.90 (88.60 to 89.60): VU024502.D (-3086) (-)



#95

Naphthalene

Concen: 0.71 ug/l

RT: 13.77 min Scan# 4098

Delta R.T. 0.02 min

Lab File: VU024883.D

Acq: 25 Jun 2018 18:33

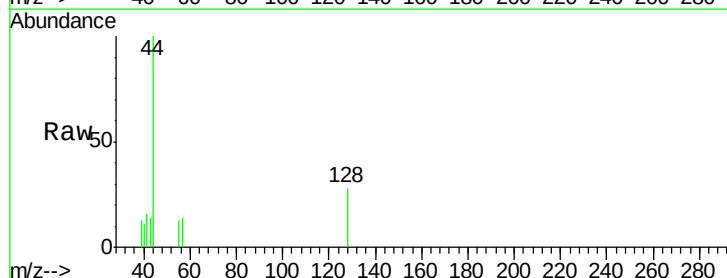
Tgt Ion:128 Resp: 486

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VU024502.D (-4076) (-)

Ion 127.00 (126.70 to 127.70): VU024502.D (-4076) (-)

Ion 129.00 (128.70 to 129.70): VU024502.D (-4076) (-)

