

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062318\
 Data File : VU024845.D
 Acq On : 22 Jun 2018 20:38
 Operator : MD/SY
 Sample : J3517-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S39-TB-2018-1

Quant Time: Jun 23 02:15:54 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	199915	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	298712	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	283046	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	151665	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	145349	44.54	ug/l	0.00
Spiked Amount 50.000			Recovery =	89.08%		
35) Dibromofluoromethane	4.89	113	116016	46.80	ug/l	0.00
Spiked Amount 50.000			Recovery =	93.60%		
50) Toluene-d8	7.57	98	438385	48.48	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.96%		
62) 4-Bromofluorobenzene	10.31	95	162205	45.18	ug/l	0.00
Spiked Amount 50.000			Recovery =	90.36%		

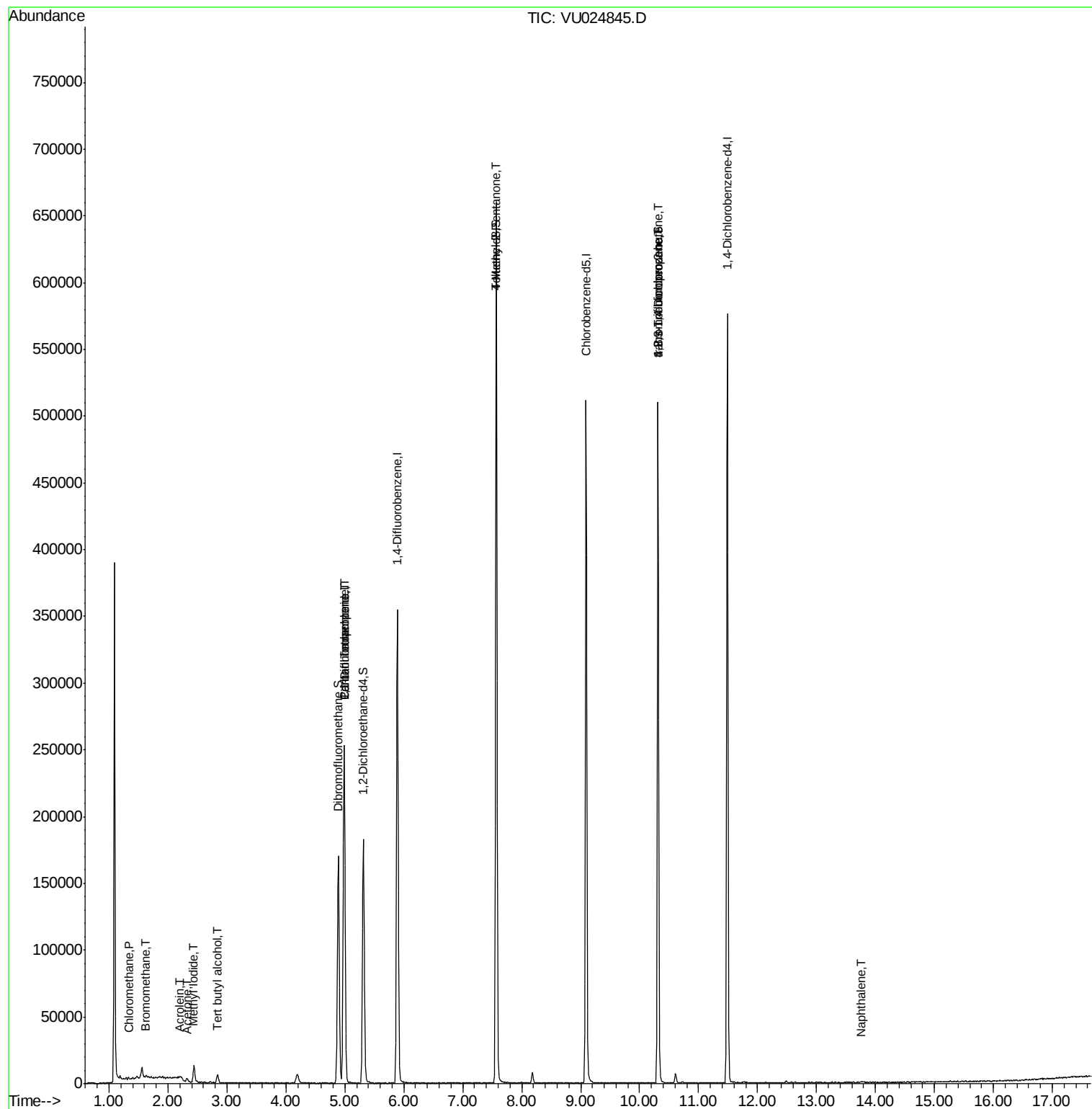
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	969	0.38	ug/l	99
5) Bromomethane	1.64	94	594	0.47	ug/l	# 64
6) Chloroethane	1.73	64	114	Below Cal	#	43
10) Methyl Iodide	2.42	142	373	5.45	ug/l	# 52
11) Tert butyl alcohol	2.84	59	3576	4.51	ug/l	# 82
13) Acrolein	2.19	56	171	0.41	ug/l	# 1
16) Acetone	2.32	43	3331	1.90	ug/l	96
31) Cyclohexane	4.98	56	4357	Below Cal	#	21
36) 1,1-Dichloropropene	4.99	75	14360	4.09	ug/l	# 51
38) Carbon Tetrachloride	4.99	117	18795	4.87	ug/l	# 17
51) 4-Methyl-2-Pentanone	7.57	43	2265	0.55	ug/l	# 1
76) 1,2,3-Trichloropropane	10.31	75	84334	25.26	ug/l	# 35
81) trans-1,4-Dichloro-2-buten	10.31	75	84334	58.45	ug/l	# 100
95) Naphthalene	13.77	128	999	0.77	ug/l	# 69

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

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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: VU024845.D

Acq: 22 Jun 2018 20:38

Instrument :

MSVOA_U

ClientSampleId :

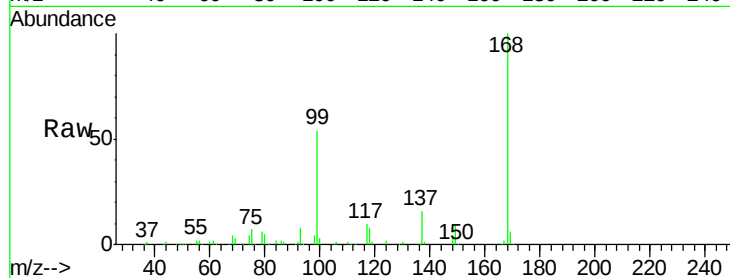
S39-TB-2018-1

Tot Ion:168 Resp: 199915

Ion Ratio Lower Upper

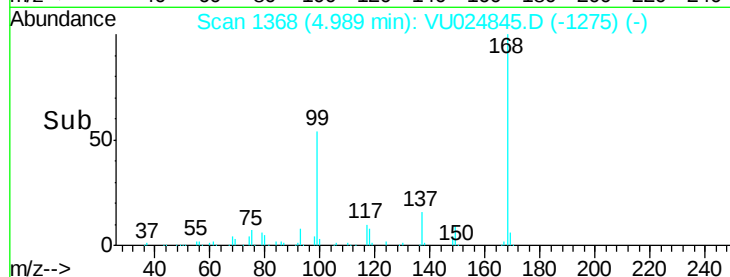
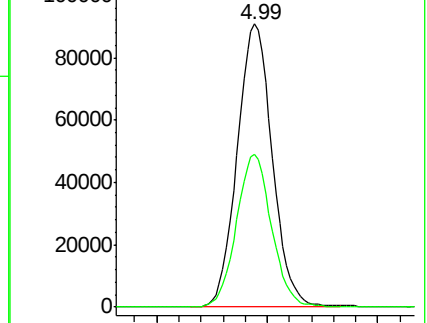
168 100

99 54.2 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: 0.38 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU024845.D

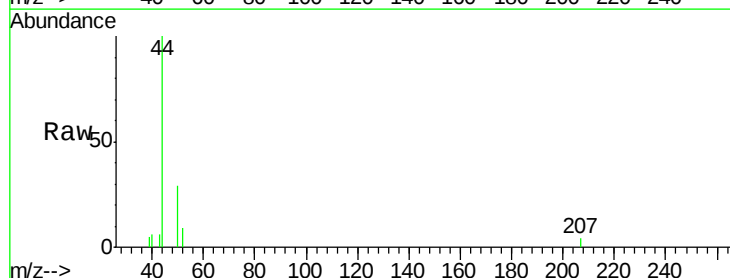
Acq: 22 Jun 2018 20:38

Tgt Ion: 50 Resp: 969

Ion Ratio Lower Upper

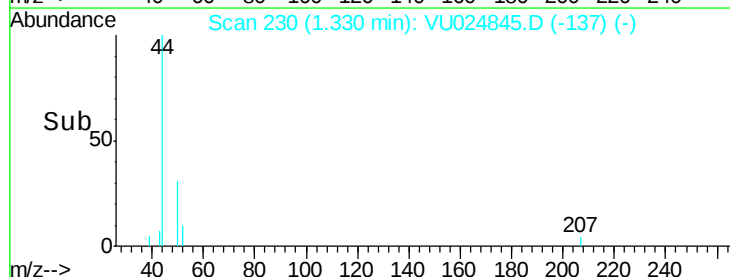
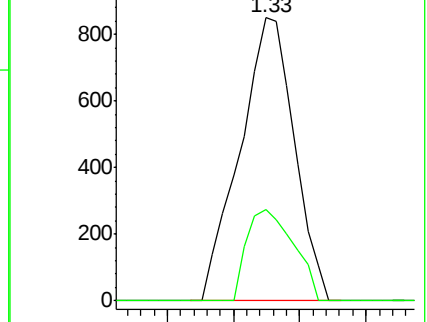
50 100

52 32.2 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: 0.47 ug/l

RT: 1.64 min Scan# 325

Delta R.T. 0.01 min

Lab File: VU024845.D

Acq: 22 Jun 2018 20:38

Instrument :

MSVOA_U

ClientSampleId :

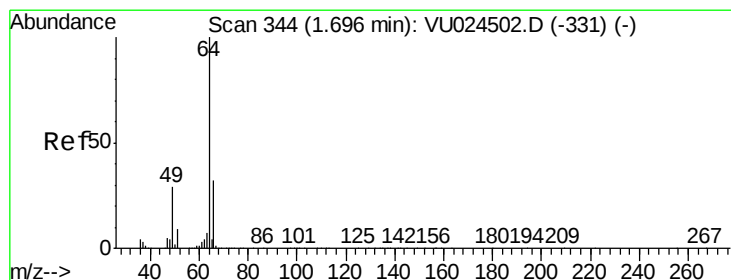
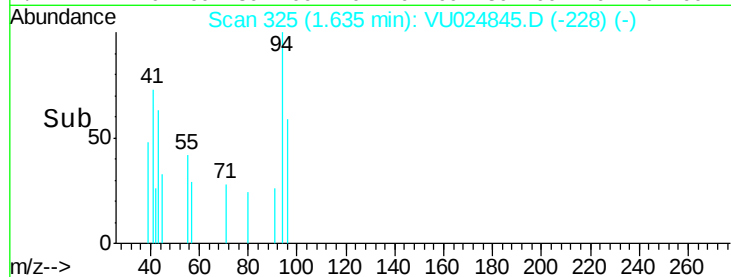
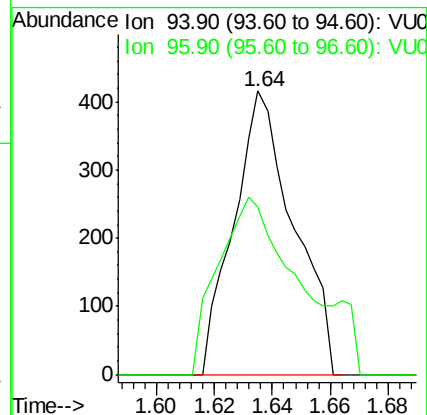
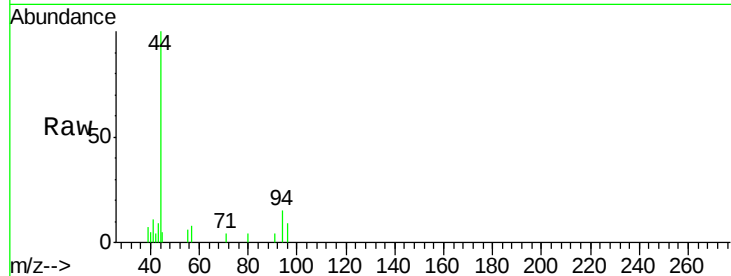
S39-TB-2018-1

Tot Ion: 94 Resp: 594

Ion Ratio Lower Upper

94 100

96 58.9 74.5 111.7#



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 356

Delta R.T. 0.04 min

Lab File: VU024845.D

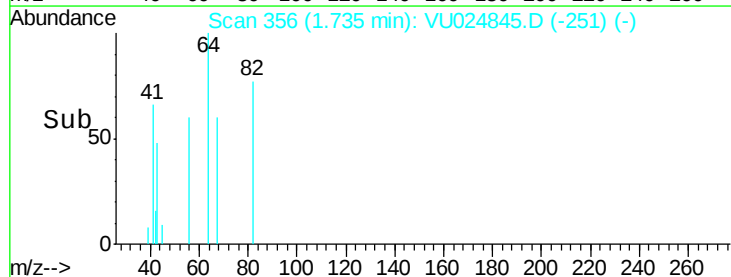
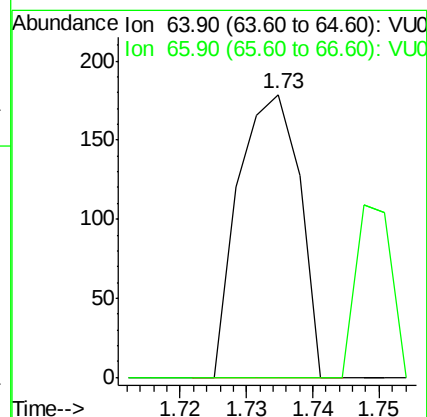
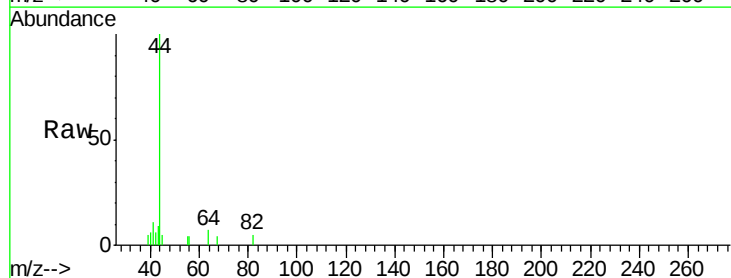
Acq: 22 Jun 2018 20:38

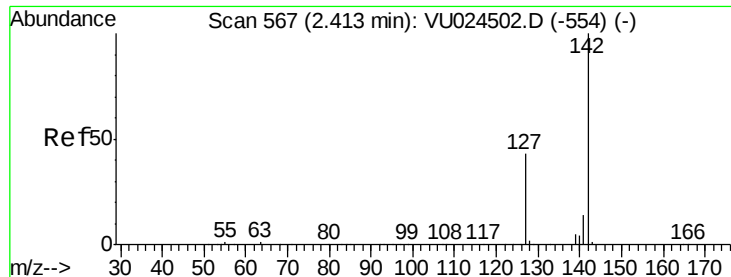
Tgt Ion: 64 Resp: 114

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#

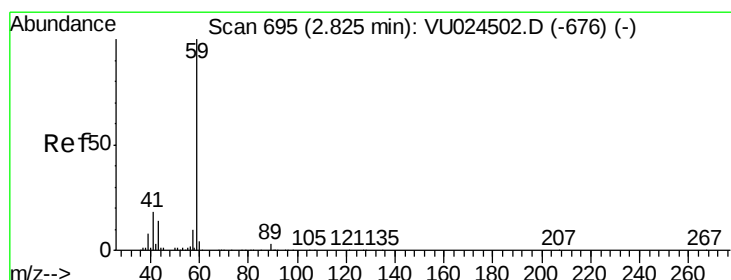
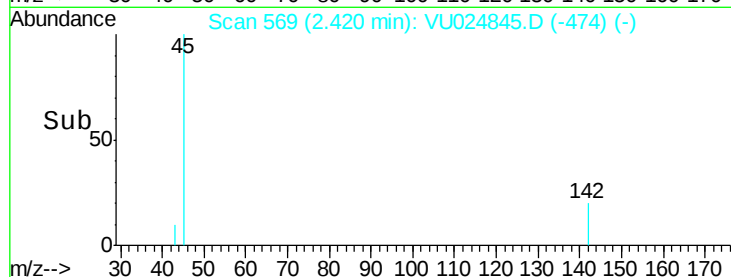
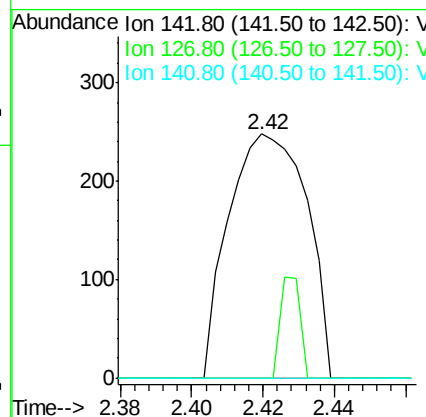
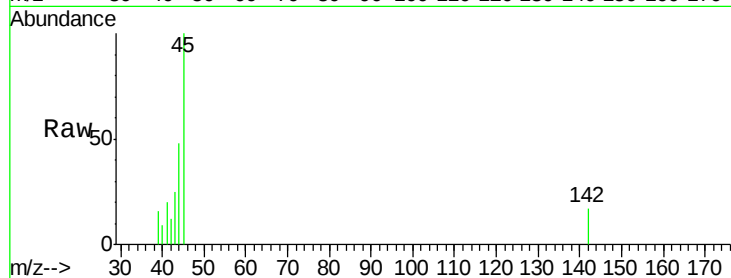




#10
Methvl Iodide
Concen: 5.45 ug/l
RT: 2.42 min Scan# 569
Delta R.T. 0.01 min
Lab File: VU024845.D
Acq: 22 Jun 2018 20:38

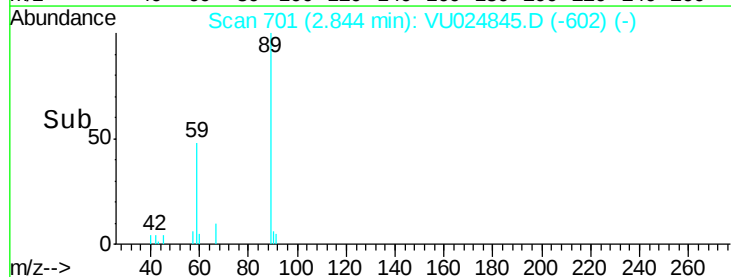
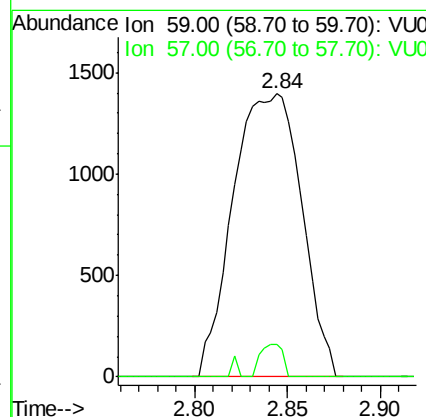
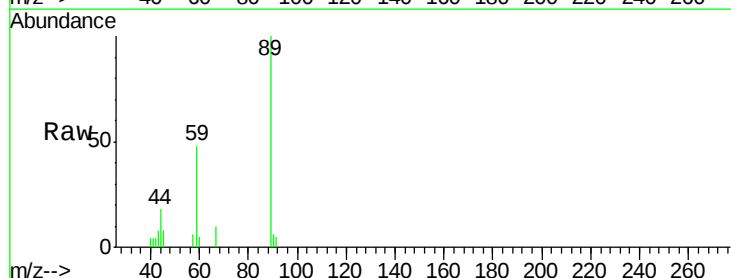
Instrument :
MSVOA_U
ClientSampleId :
S39-TB-2018-1

Tot Ion:142 Resp: 373
Ion Ratio Lower Upper
142 100
127 10.5 35.6 53.4#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 4.51 ug/l
RT: 2.84 min Scan# 701
Delta R.T. 0.02 min
Lab File: VU024845.D
Acq: 22 Jun 2018 20:38

Tgt Ion: 59 Resp: 3576
Ion Ratio Lower Upper
59 100
57 3.8 8.5 12.7#

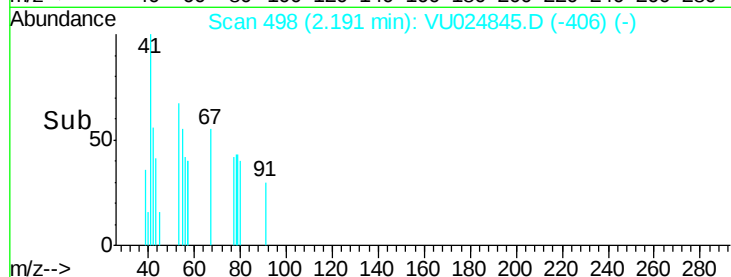
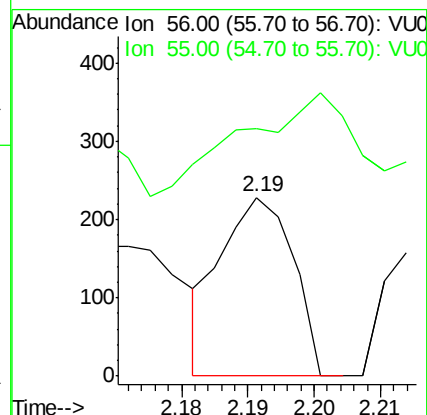
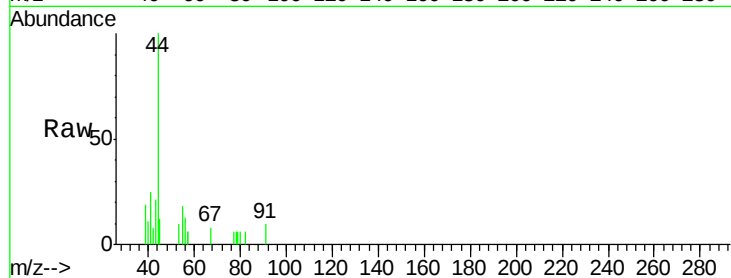




#13
Acrolein
Concen: 0.41 ug/l
RT: 2.19 min Scan# 498
Delta R.T. -0.00 min
Lab File: VU024845.D
Acq: 22 Jun 2018 20:38

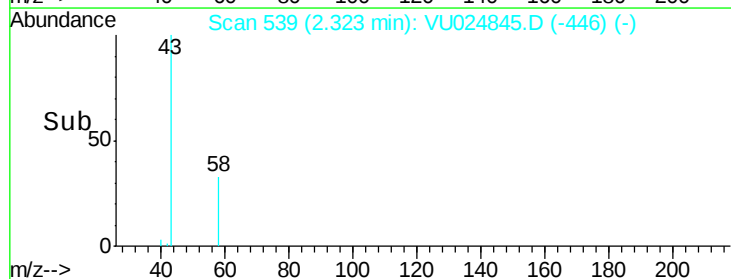
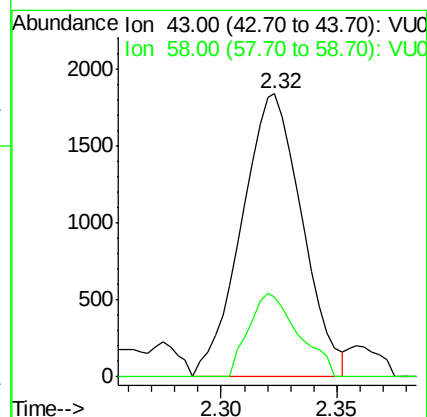
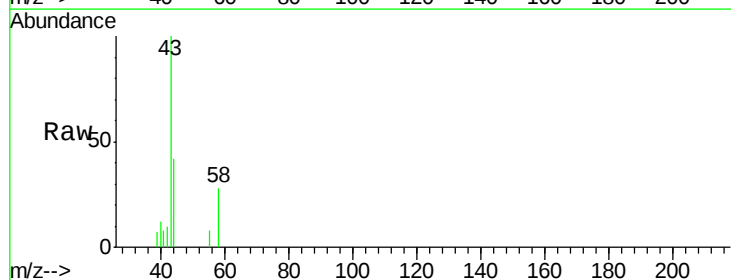
Instrument :
MSVOA_U
ClientSampleId :
S39-TB-2018-1

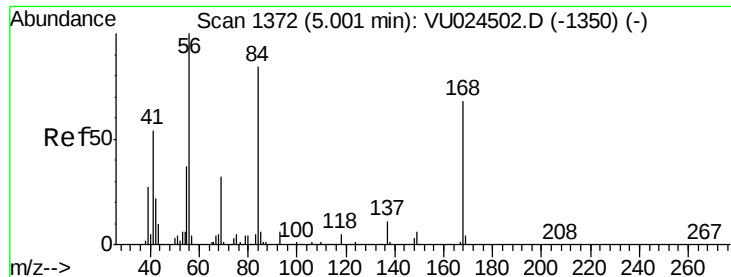
Tot Ion: 56 Resp: 171
Ion Ratio Lower Upper
56 100
55 163.2 58.4 87.6#



#16
Acetone
Concen: 1.90 ug/l
RT: 2.32 min Scan# 539
Delta R.T. 0.00 min
Lab File: VU024845.D
Acq: 22 Jun 2018 20:38

Tgt Ion: 43 Resp: 3331
Ion Ratio Lower Upper
43 100
58 28.4 24.4 36.6

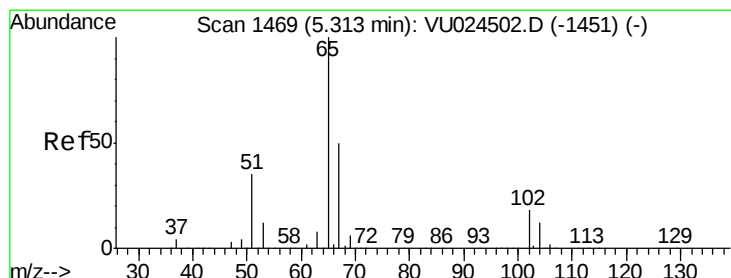
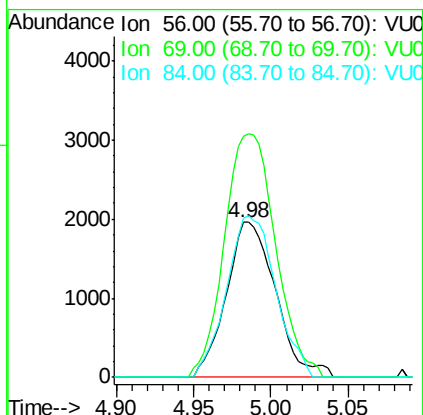
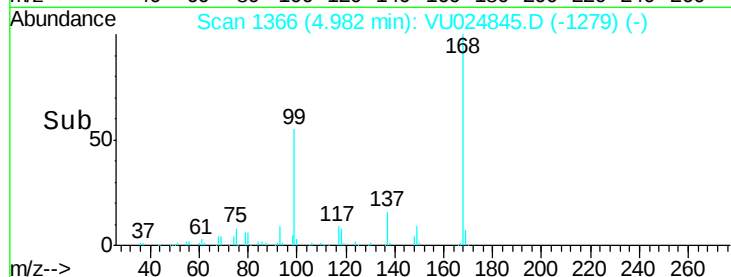
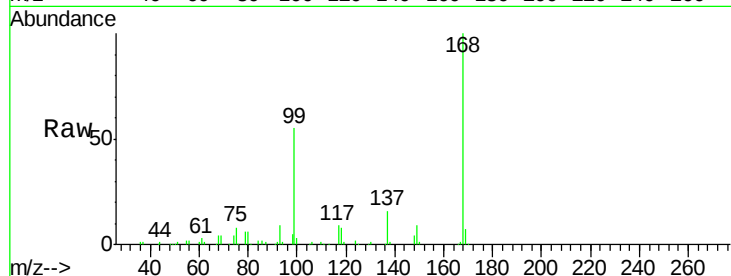




#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1366
Delta R.T. -0.02 min
Lab File: VU024845.D
Acq: 22 Jun 2018 20:38

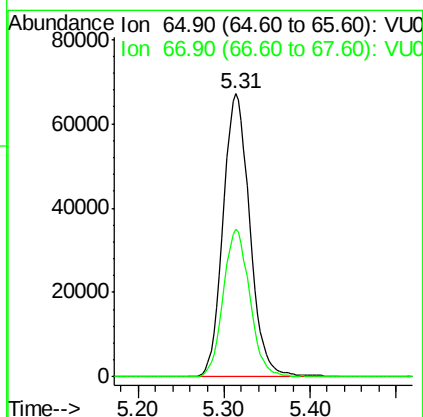
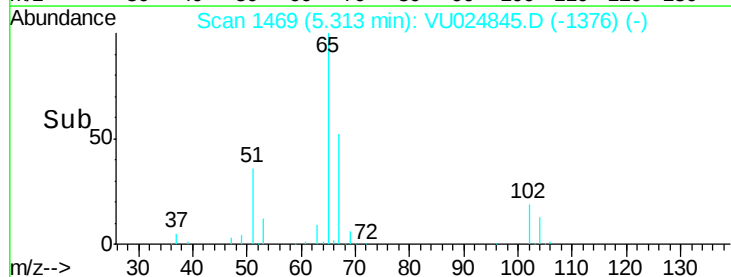
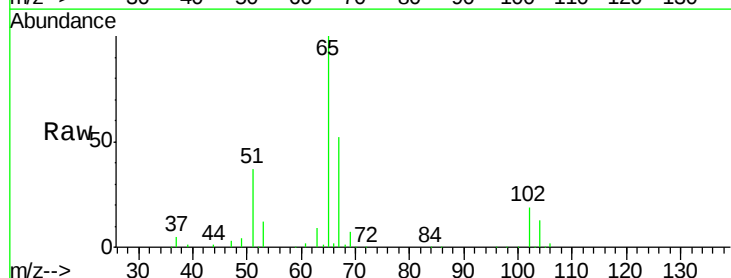
Instrument :
MSVOA_U
ClientSampleId :
S39-TB-2018-1

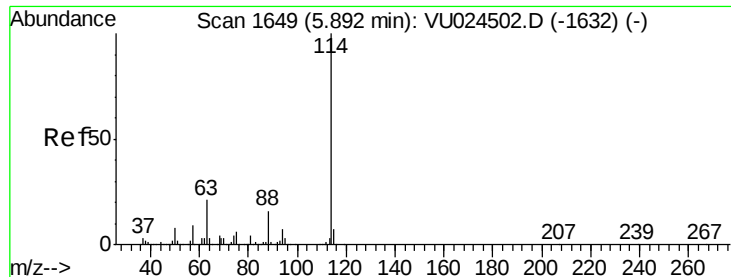
Tot Ion: 56 Resp: 4357
Ion Ratio Lower Upper
56 100
69 155.3 24.8 37.2#
84 102.6 65.2 97.8#



#33
1,2-Dichloroethane-d4
Concen: 44.54 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VU024845.D
Acq: 22 Jun 2018 20:38

Tgt Ion: 65 Resp: 145349
Ion Ratio Lower Upper
65 100
67 51.5 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VU024845.D

Acq: 22 Jun 2018 20:38

Instrument :

MSVOA_U

ClientSampleId :

S39-TB-2018-1

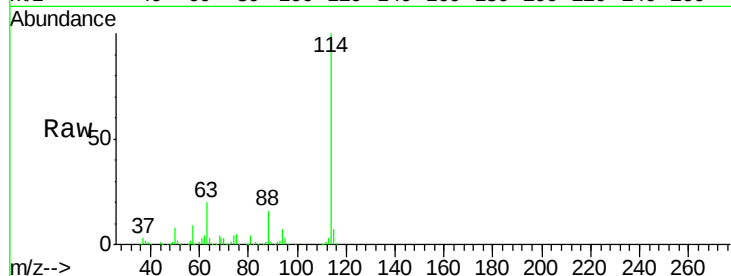
Tot Ion:114 Resp: 298712

Ion Ratio Lower Upper

114 100

63 20.4 0.0 45.4

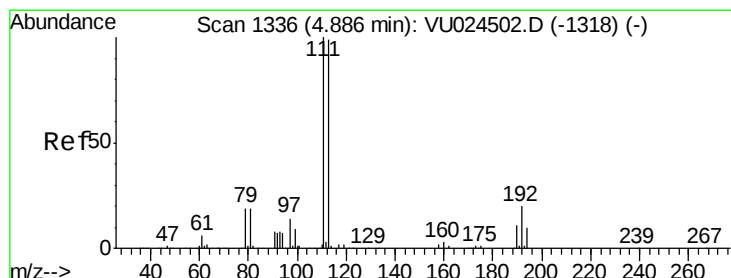
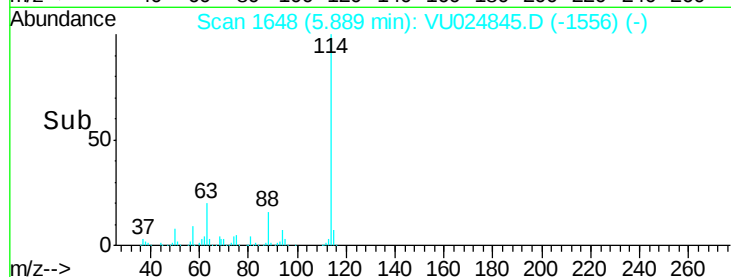
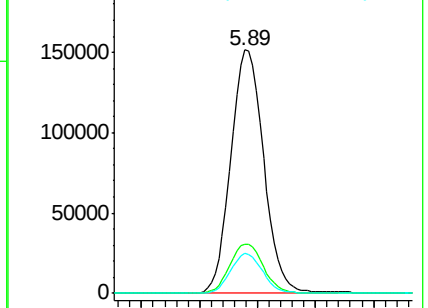
88 16.3 0.0 31.0



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: 46.80 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024845.D

Acq: 22 Jun 2018 20:38

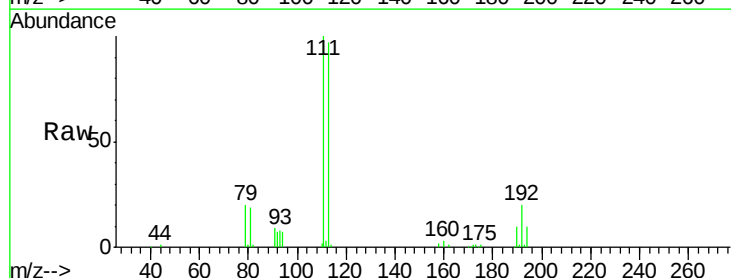
Tgt Ion:113 Resp: 116016

Ion Ratio Lower Upper

113 100

111 102.2 82.2 123.4

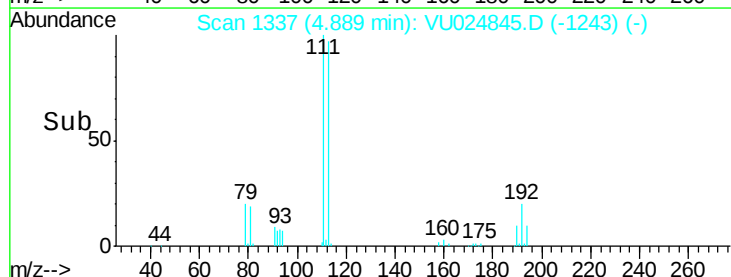
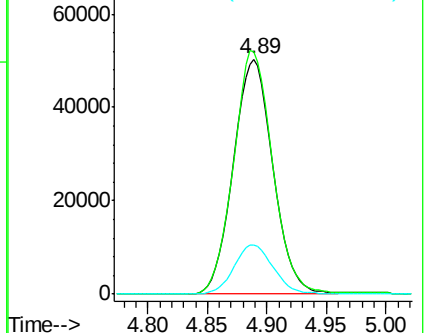
192 20.8 16.2 24.4

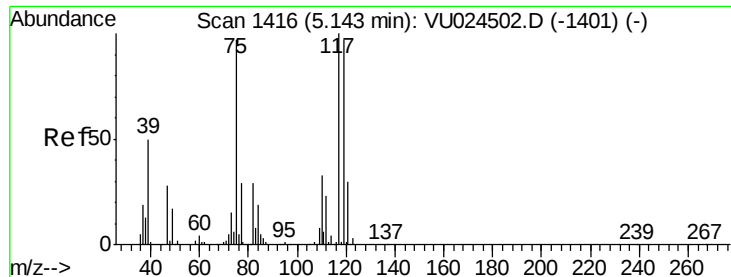


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.09 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.16 min

Lab File: VU024845.D

Acq: 22 Jun 2018 20:38

Instrument :

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S39-TB-2018-1

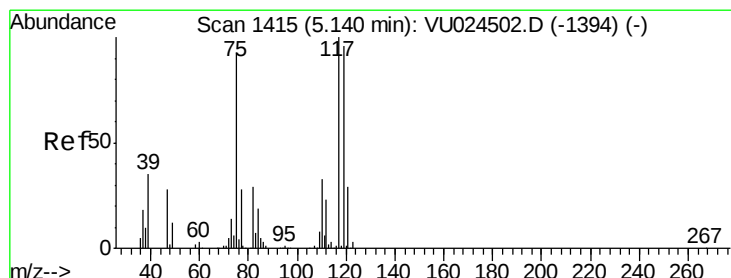
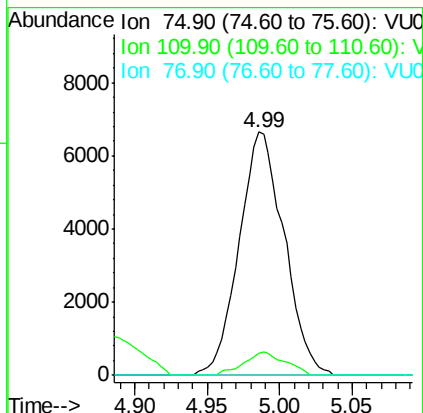
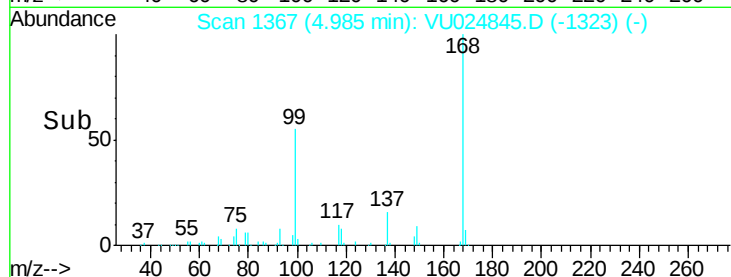
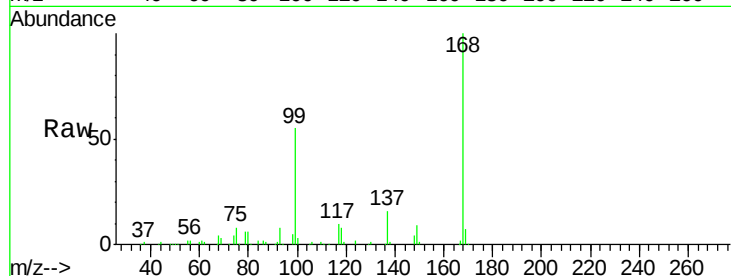
Tot Ion: 75 Resp: 14360

Ion Ratio Lower Upper

75 100

110 8.9 17.0 50.9#

77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 4.87 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024845.D

Acq: 22 Jun 2018 20:38

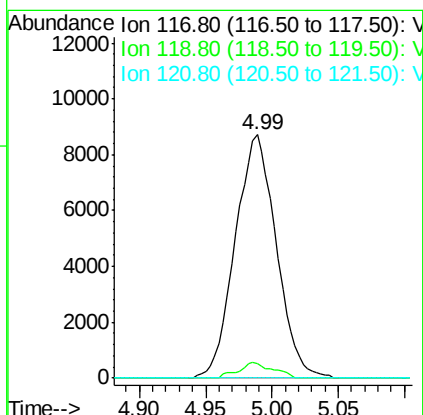
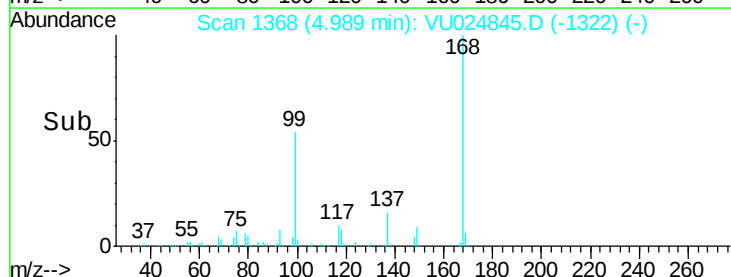
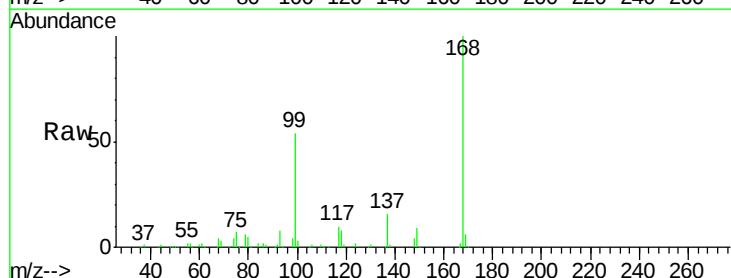
Tgt Ion: 117 Resp: 18795

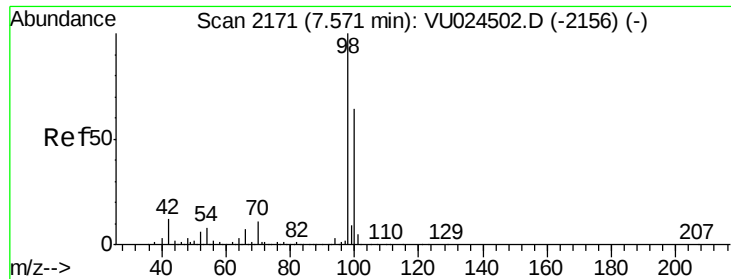
Ion Ratio Lower Upper

117 100

119 5.8 76.1 114.1#

121 0.0 23.7 35.5#





#50

Toluene-d8

Concen: 48.48 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024845.D

Acq: 22 Jun 2018 20:38

Instrument :

MSVOA_U

ClientSampleId :

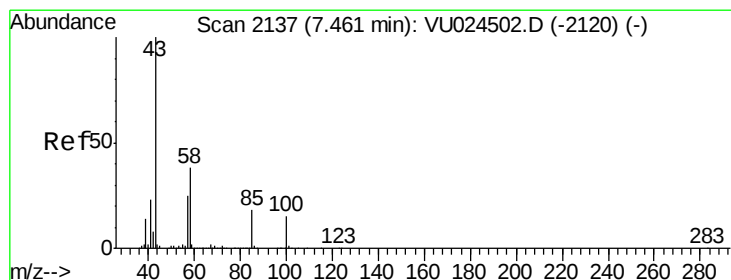
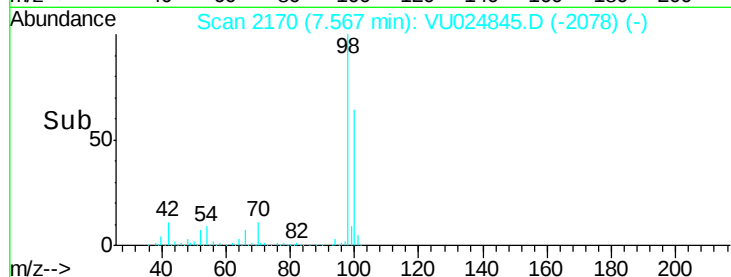
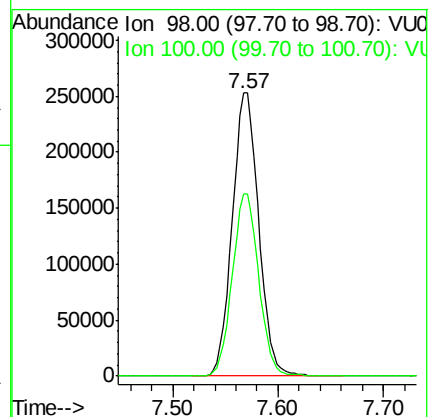
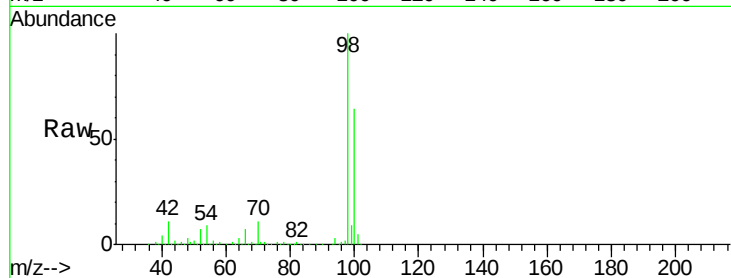
S39-TB-2018-1

Tot Ion: 98 Resp: 438385

Ion Ratio Lower Upper

98 100

100 64.5 51.1 76.7



#51

4-Methyl-2-Pentanone

Concen: 0.55 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.11 min

Lab File: VU024845.D

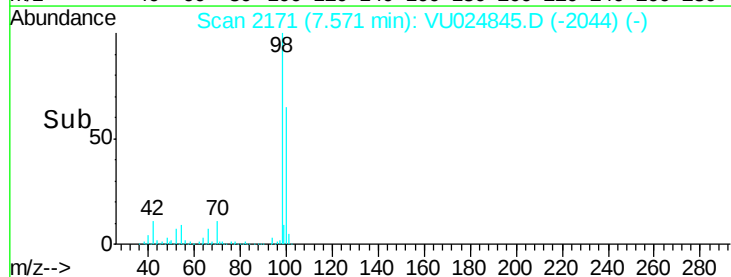
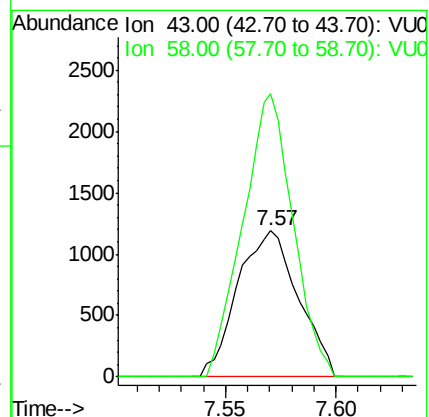
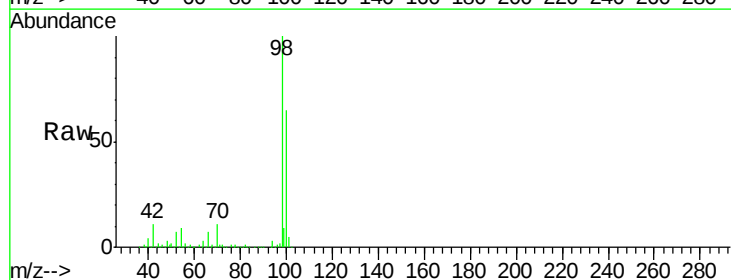
Acq: 22 Jun 2018 20:38

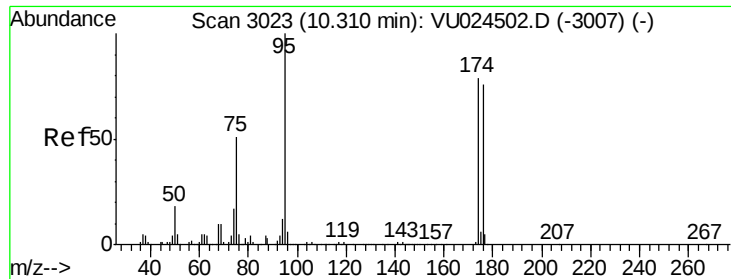
Tgt Ion: 43 Resp: 2265

Ion Ratio Lower Upper

43 100

58 160.4 30.0 45.0#

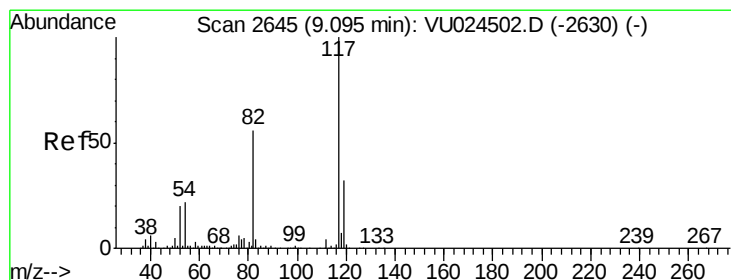
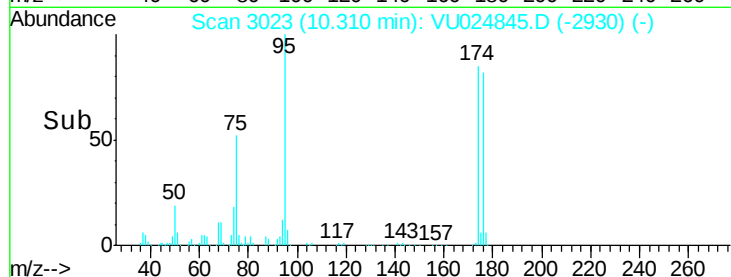
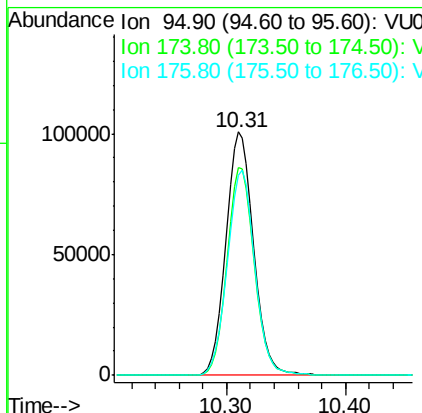
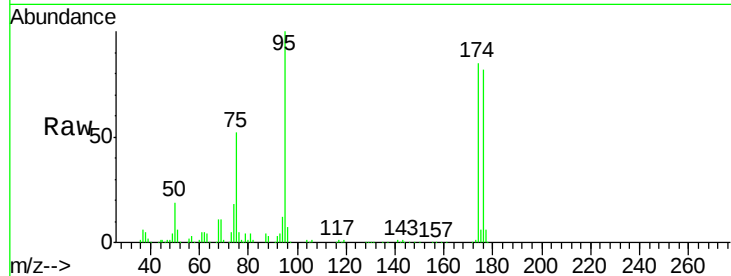




#62
4-Bromofluorobenzene
Concen: 45.18 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU024845.D
Acq: 22 Jun 2018 20:38

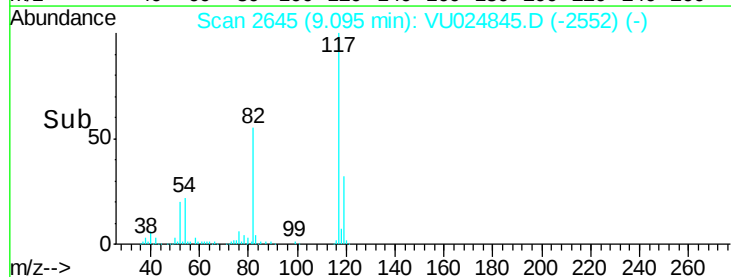
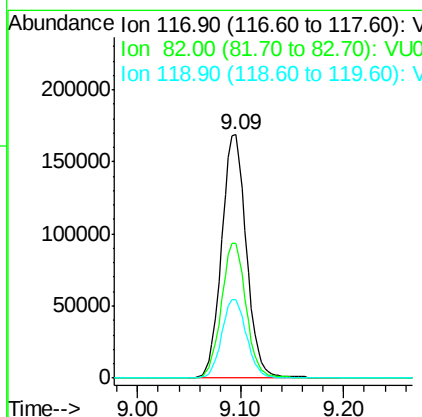
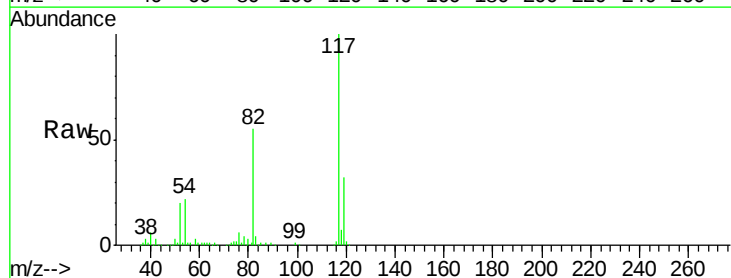
Instrument :
MSVOA_U
ClientSampleId :
S39-TB-2018-1

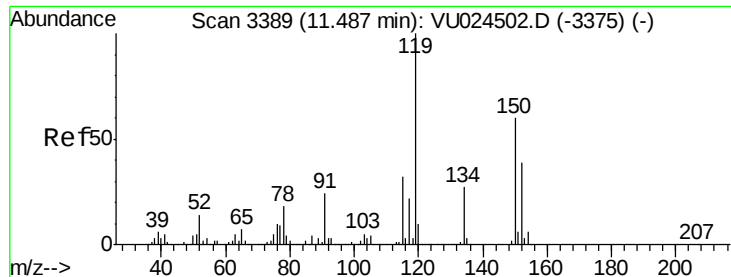
Tot Ion	95	Resp	162205
Ion Ratio	Lower	Upper	
95	100		
174	84.4	0.0	165.8
176	83.8	0.0	159.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU024845.D
Acq: 22 Jun 2018 20:38

Tgt Ion	117	Resp	283046
Ion Ratio	Lower	Upper	
117	100		
82	55.3	44.3	66.5
119	32.2	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: VU024845.D

Acq: 22 Jun 2018 20:38

Instrument :

MSVOA_U

ClientSampleId :

S39-TB-2018-1

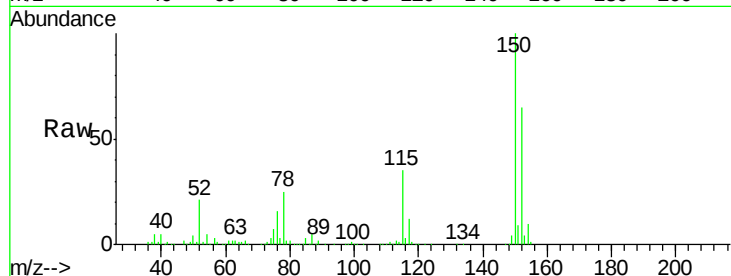
Tot Ion:152 Resp: 151665

Ion Ratio Lower Upper

152 100

115 56.5 43.0 129.0

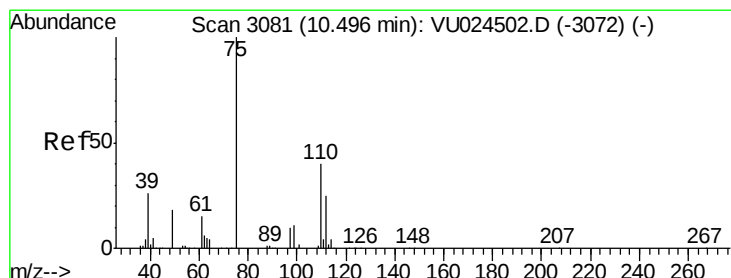
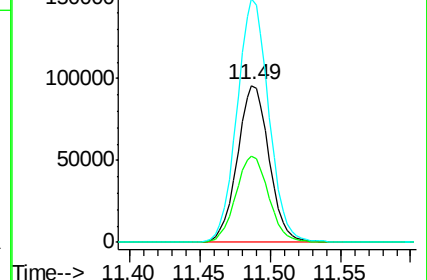
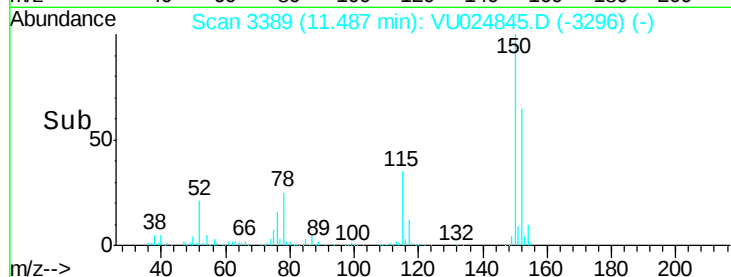
150 155.3 0.0 354.0



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: 25.26 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024845.D

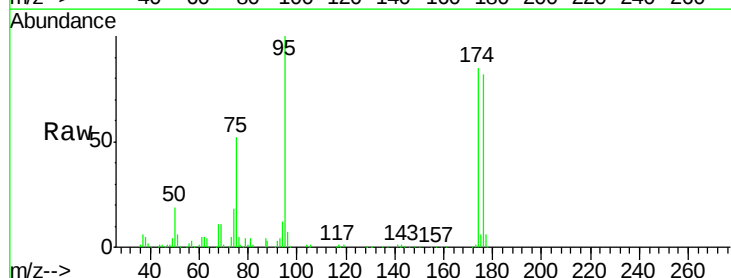
Acq: 22 Jun 2018 20:38

Tgt Ion: 75 Resp: 84334

Ion Ratio Lower Upper

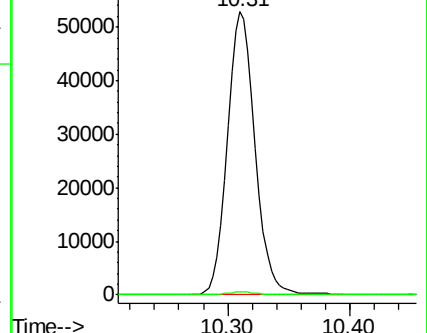
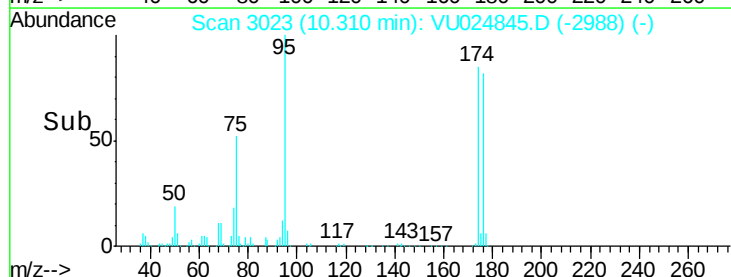
75 100

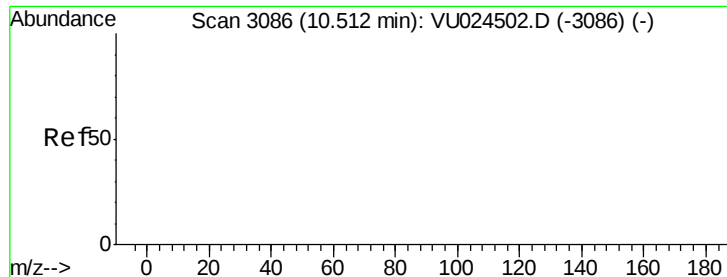
77 1.0 20.9 62.7#



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: 58.45 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024845.D

Acq: 22 Jun 2018 20:38

Instrument :

MSVOA_U

ClientSampleId :

S39-TB-2018-1

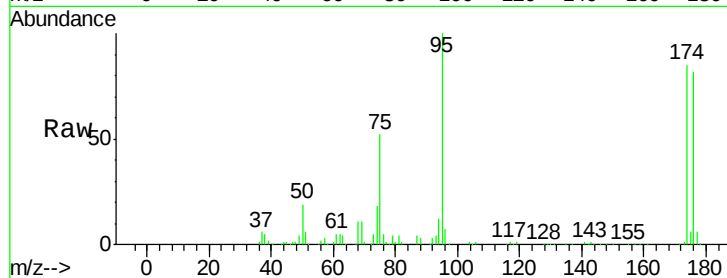
Tot Ion: 75 Resp: 84334

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

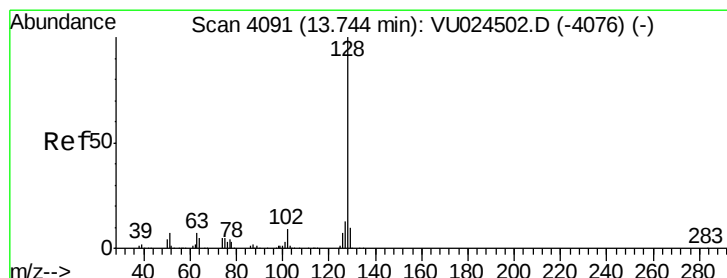
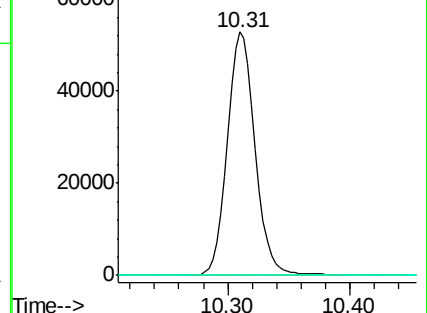
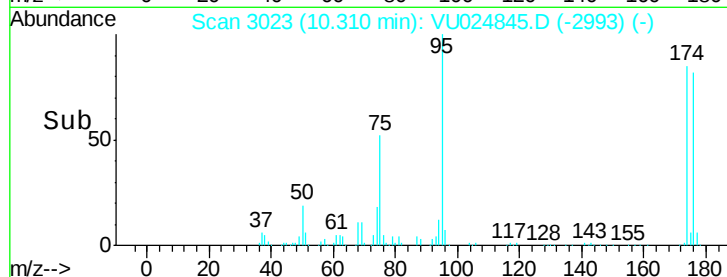
89 0.0 0.0 0.0



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: 0.77 ug/l

RT: 13.77 min Scan# 4098

Delta R.T. 0.02 min

Lab File: VU024845.D

Acq: 22 Jun 2018 20:38

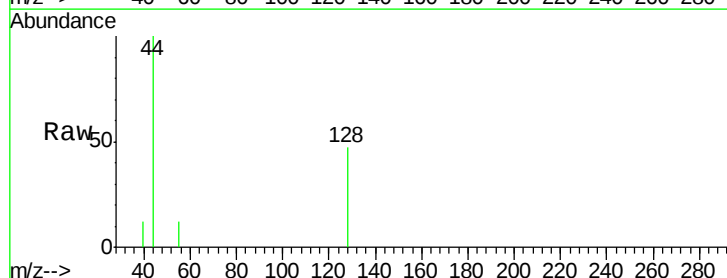
Tgt Ion: 128 Resp: 999

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) (-)

