

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 :

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			Recovery	=	89.08%	
35) Dibromofluoromethane	4.89	113	116016	46.80	ug/l	0.00
Spiked Amount			Recovery	=	93.60%	
50) Toluene-d8	7.57	98	438385	48.48	ug/l	0.00
Spiked Amount			Recovery	=	96.96%	
62) 4-Bromofluorobenzene	10.31	95	162205	45.18	ug/l	0.00
Spiked Amount			Recovery	=	90.36%	

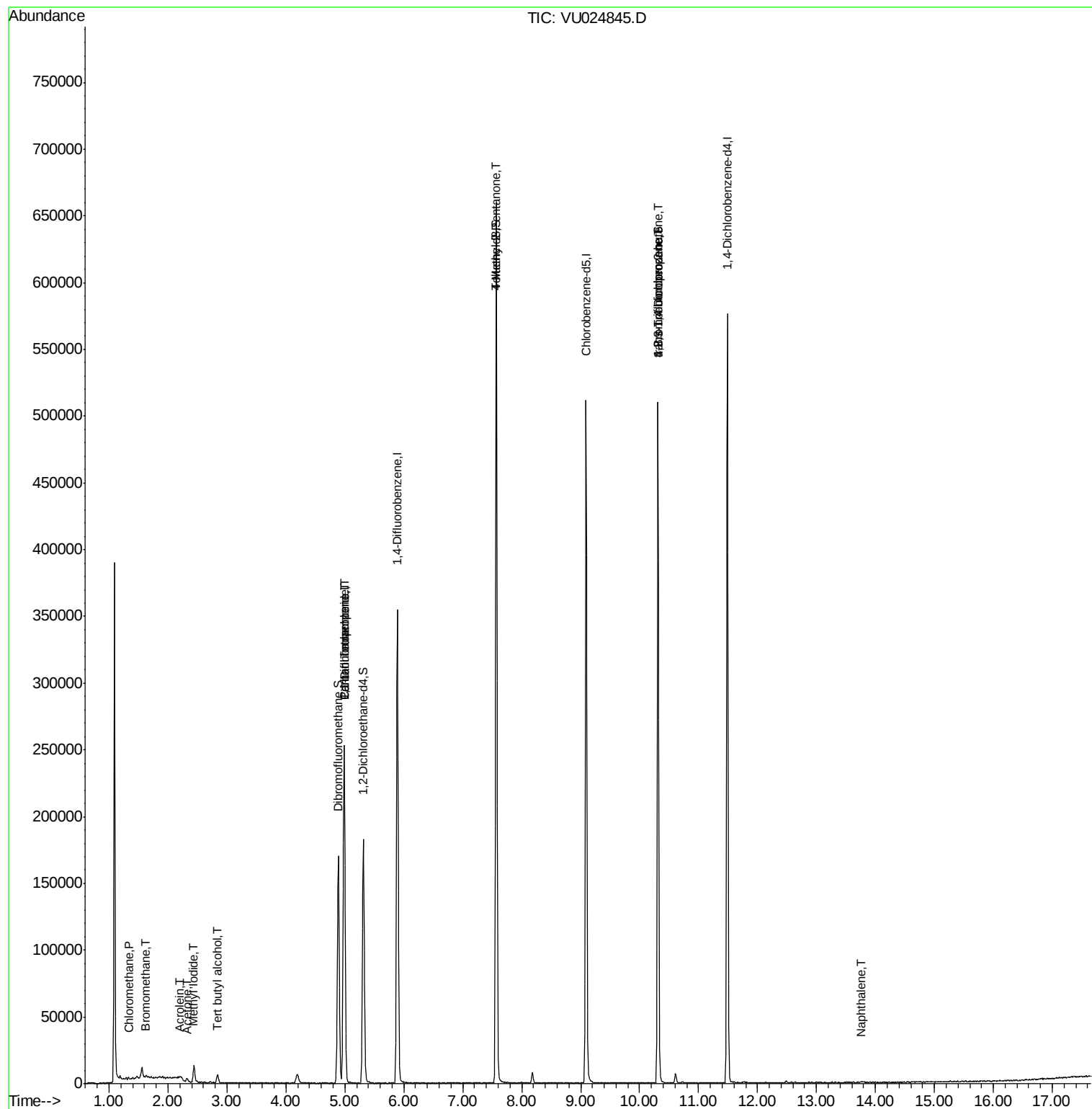
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	969	0.38	ug/l	99
5) Bromomethane	1.64	94	594	0.47	ug/l	# 64
6) Chloroethane	1.73	64	114	Below Cal	#	43
10) Methyl Iodide	2.42	142	373	5.45	ug/l	# 52
11) Tert butyl alcohol	2.84	59	3576	4.51	ug/l	# 82
13) Acrolein	2.19	56	171	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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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: VU024845.D

Acq: 22 Jun 2018 20:38

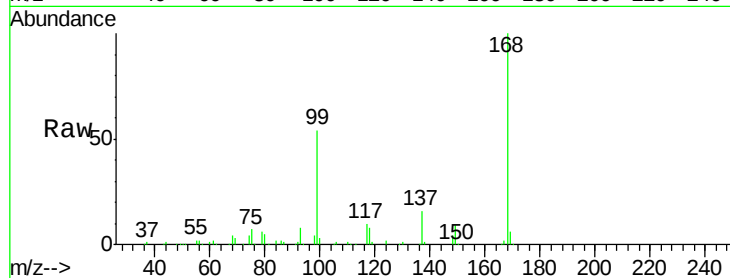
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:168 Resp: 199915

Ion Ratio Lower Upper

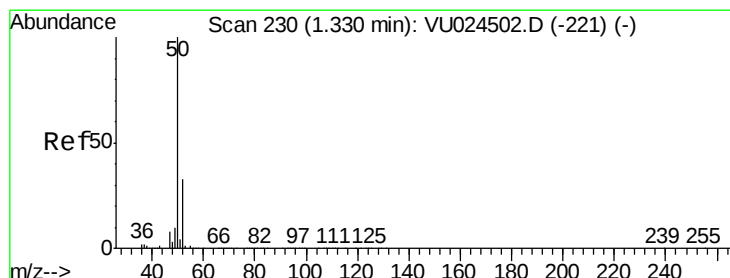
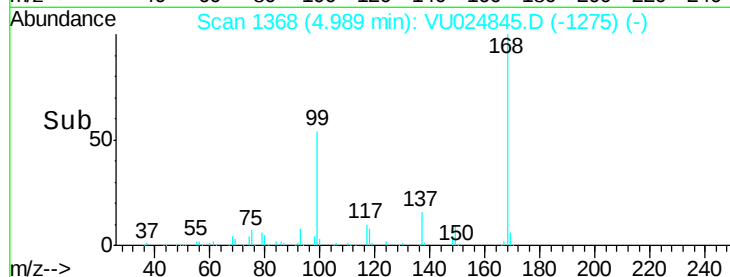
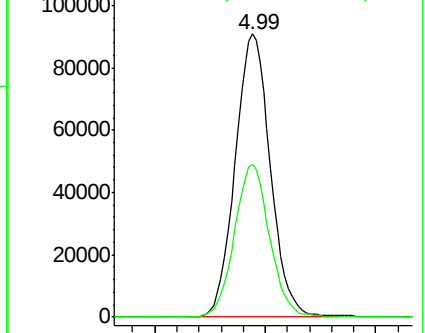
168 100

99 54.2 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024845.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU024845.D (-1275) (-)



#3

Chloromethane

Concen: 0.38 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU024845.D

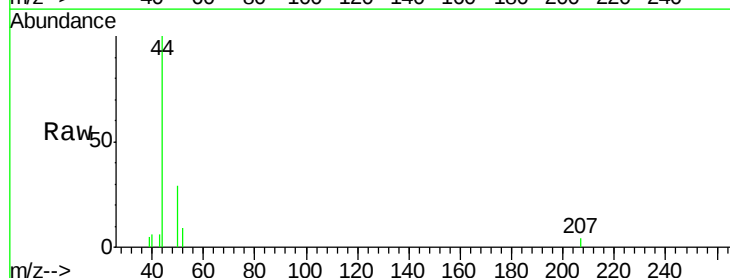
Acq: 22 Jun 2018 20:38

Tgt Ion: 50 Resp: 969

Ion Ratio Lower Upper

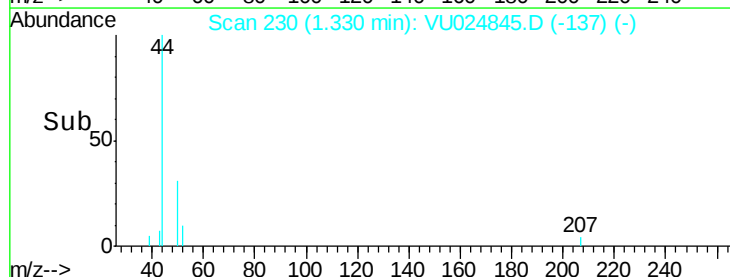
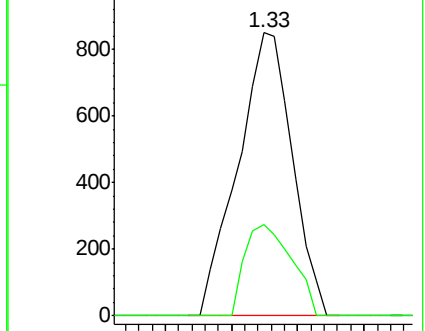
50 100

52 32.2 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU024845.D (-137) (-)

Ion 51.90 (51.60 to 52.60): VU024845.D (-137) (-)





#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

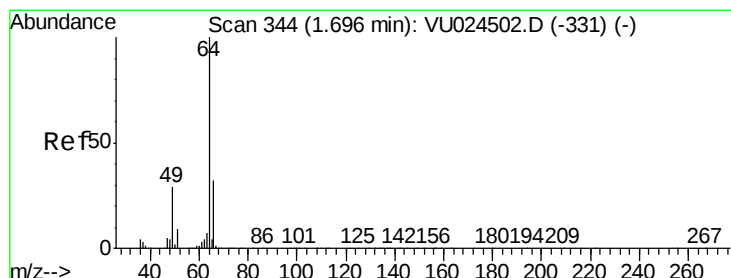
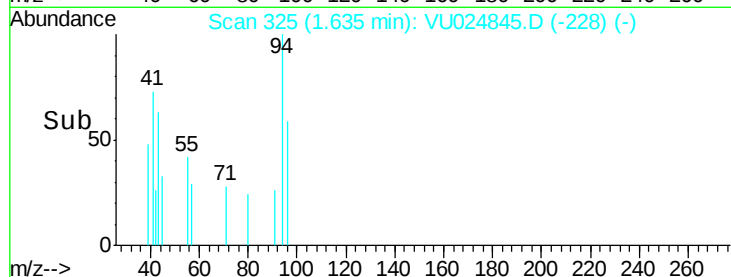
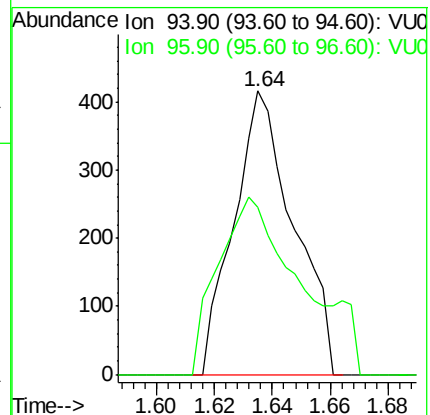
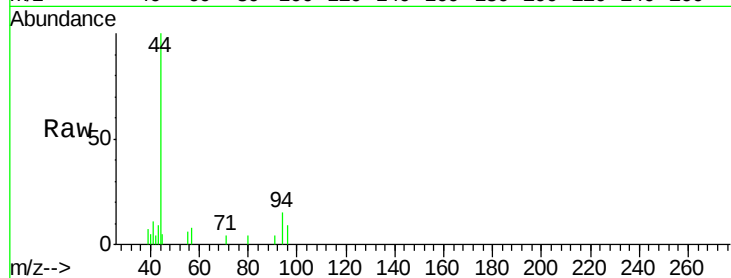
ClientSampleId :

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

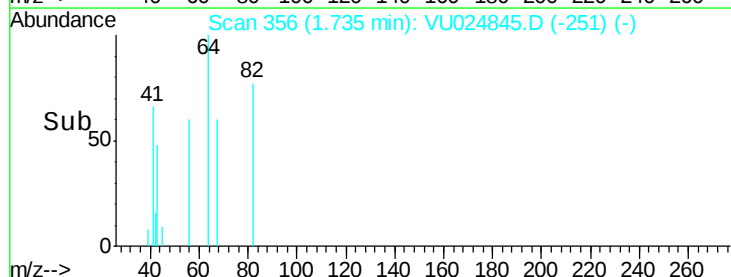
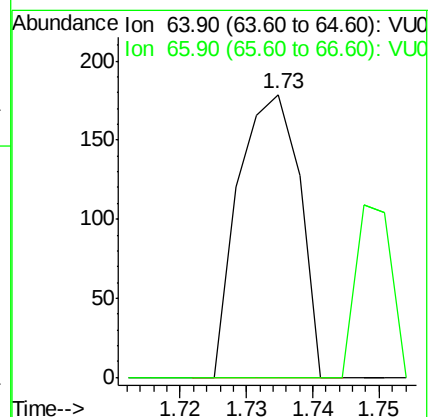
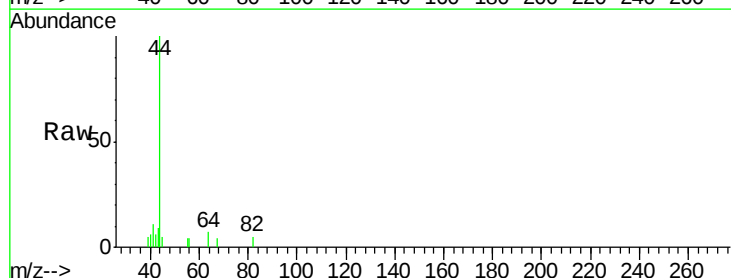
Acq: 22 Jun 2018 20:38

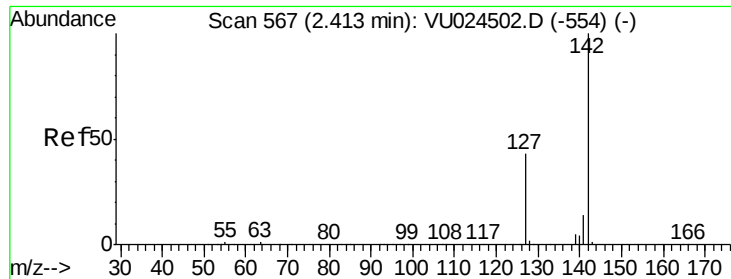
Tgt Ion: 64 Resp: 114

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#

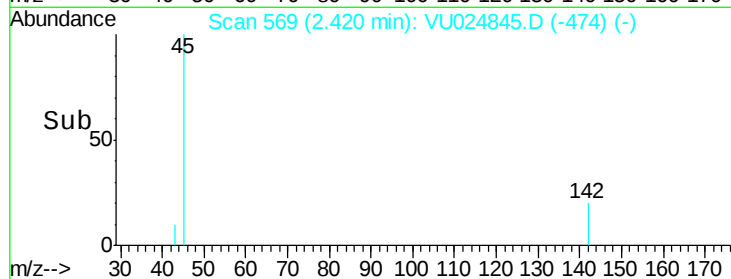
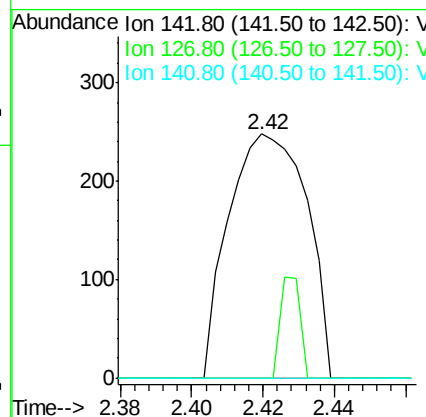
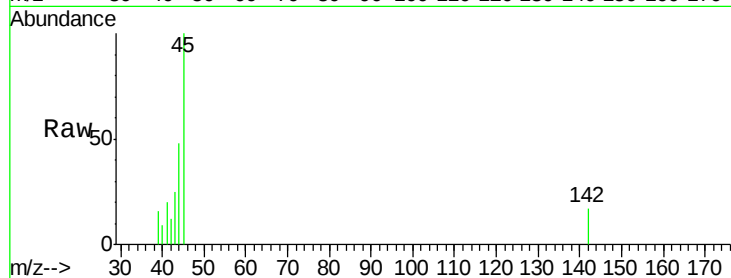




#10
Methvl Iodide
Concen: 5.45 ug/l
RT: 2.42 min Scan# 569
Delta R.T. 0.01 min
Lab File: VU024845.D
Acq: 22 Jun 2018 20:38

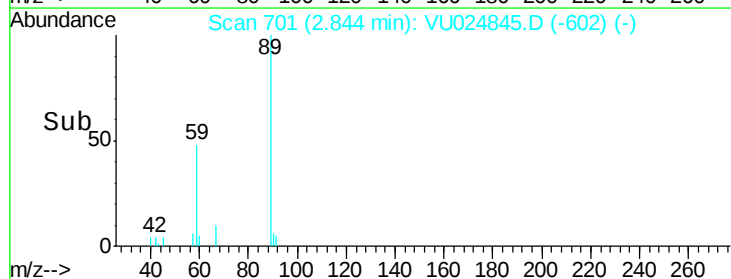
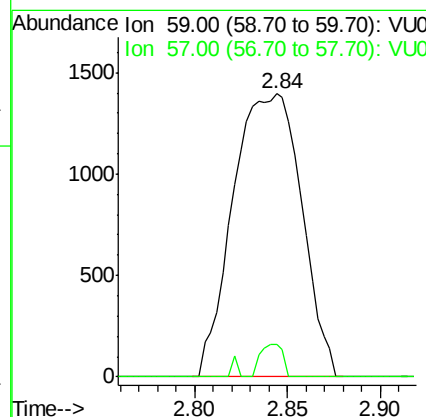
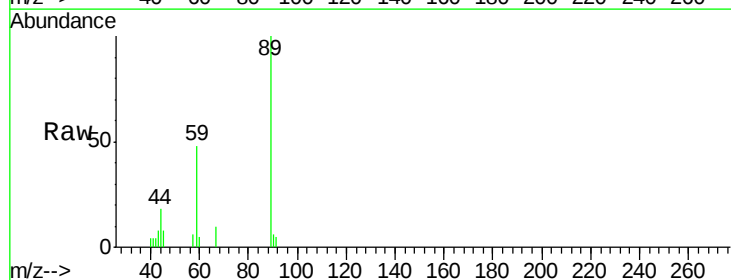
Instrument :
MSVOA_U
ClientSampleId :

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#

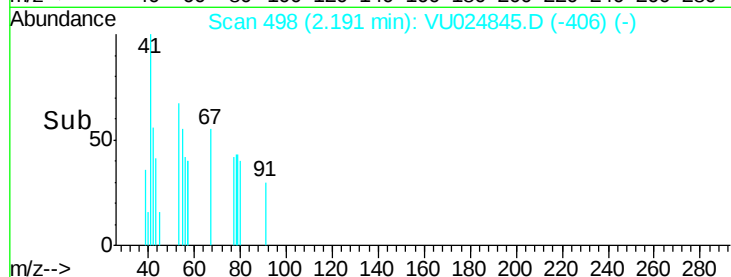
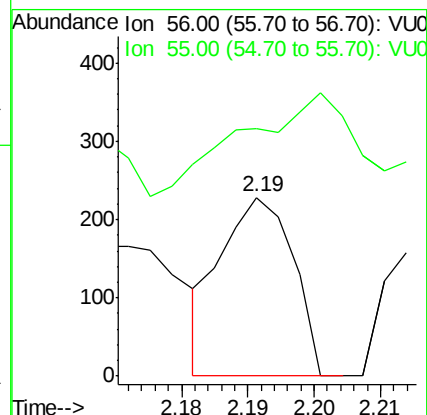
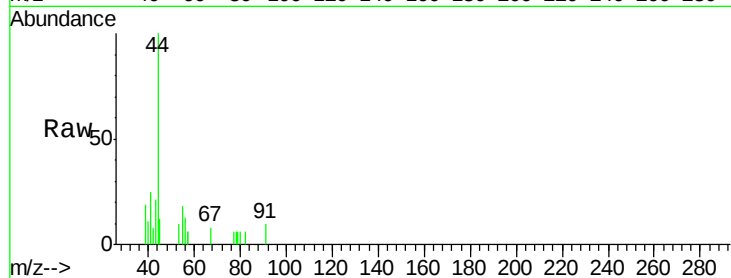




#13
Acrolein
Concen: 0.41 ug/l
RT: 2.19 min Scan# 498
Delta R.T. -0.00 min
Lab File: VU024845.D
Acq: 22 Jun 2018 20:38

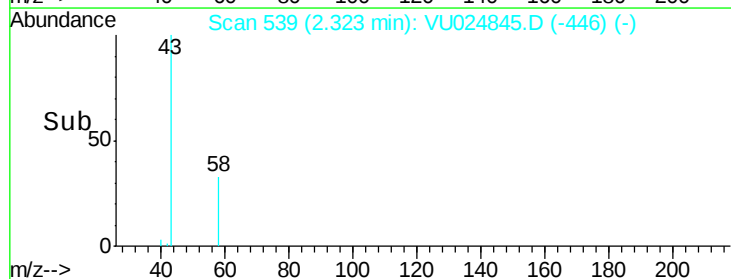
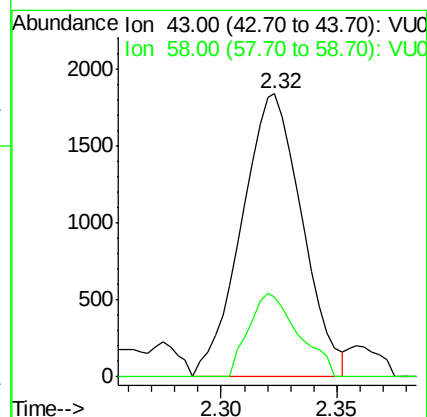
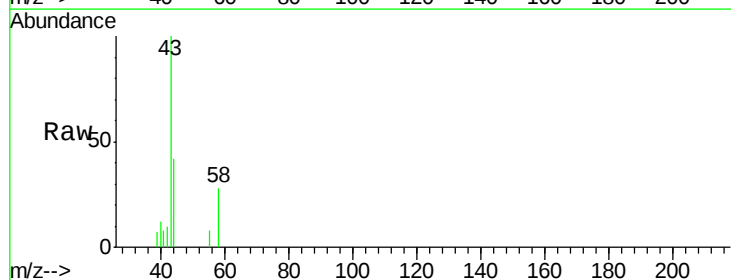
Instrument :
MSVOA_U
ClientSampleId :

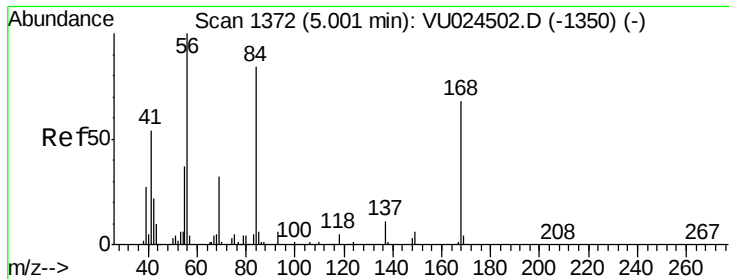
Tot Ion: 56 Resp: 171
Ion Ratio Lower Upper
56 100
55 163.2 58.4 87.6#



#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

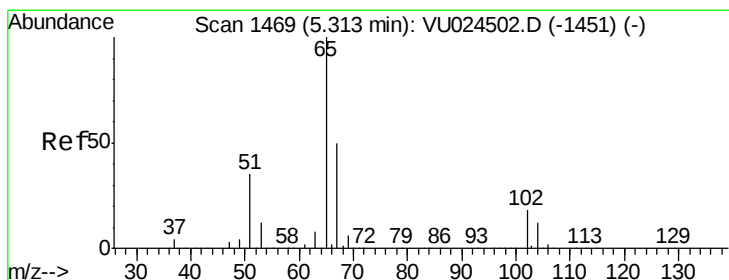
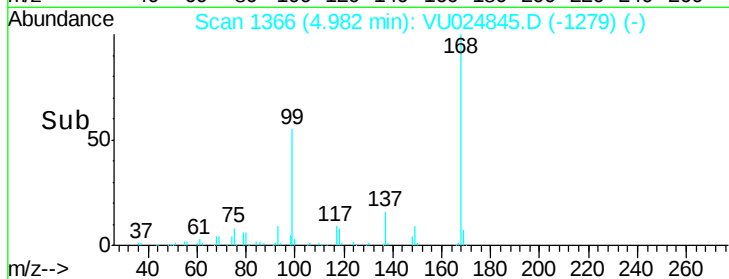
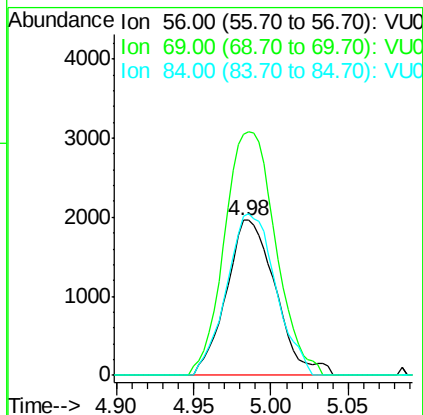
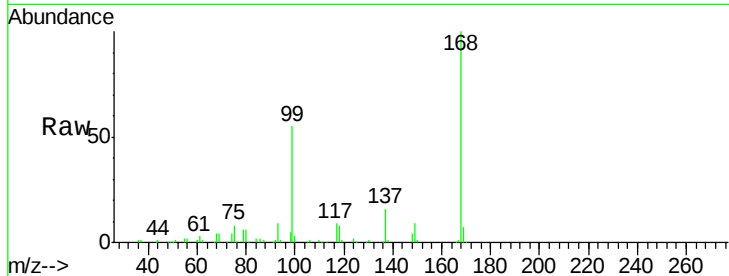




#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1366
Delta R.T. -0.02 min
Lab File: VU024845.D
Acq: 22 Jun 2018 20:38

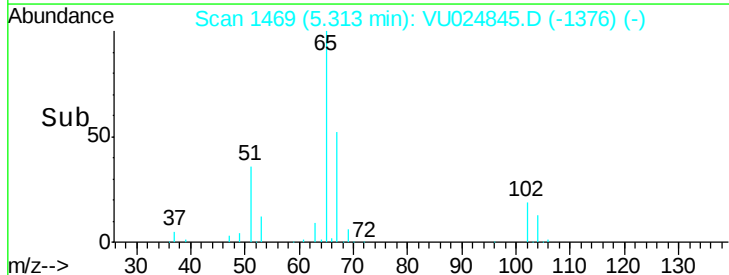
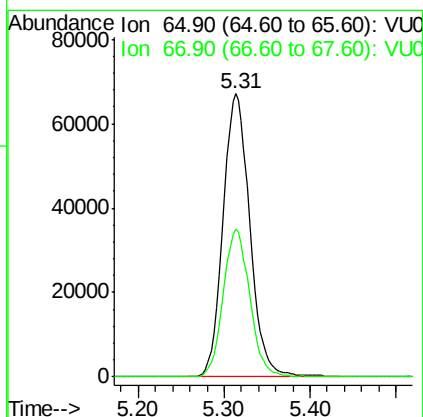
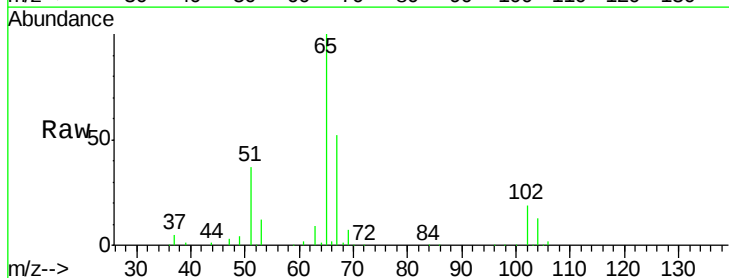
Instrument :
MSVOA_U
ClientSampled :

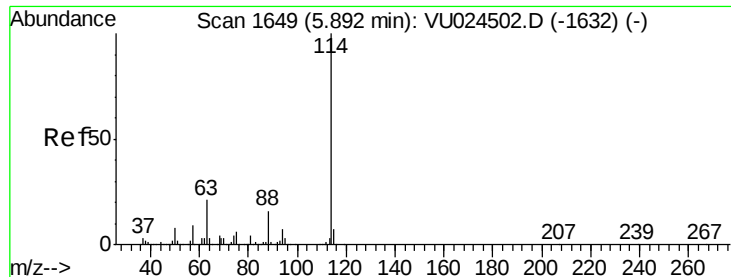
Tot Ion: 56 Resp: 4357
Ion Ratio Lower Upper
56 100
69 155.3 24.8 37.2#
84 102.6 65.2 97.8#



#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 :

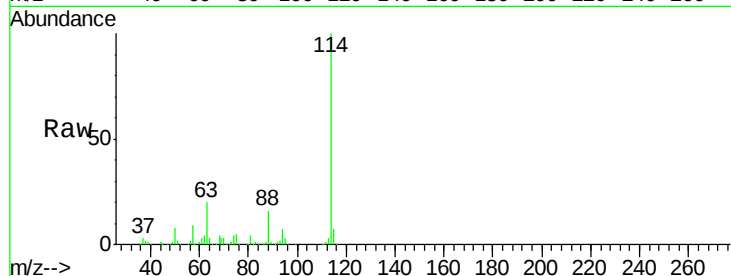
Tot Ion:114 Resp: 298712

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	45.4
88	16.3	0.0	31.0

114 100

63 20.4 0.0 45.4

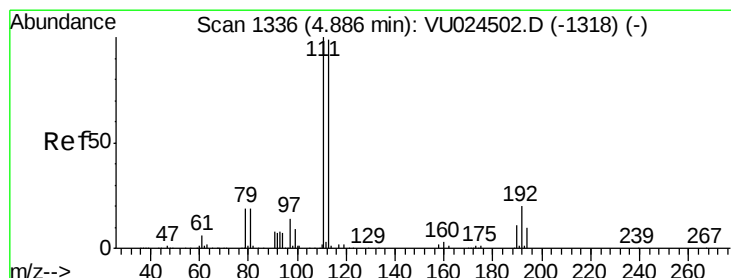
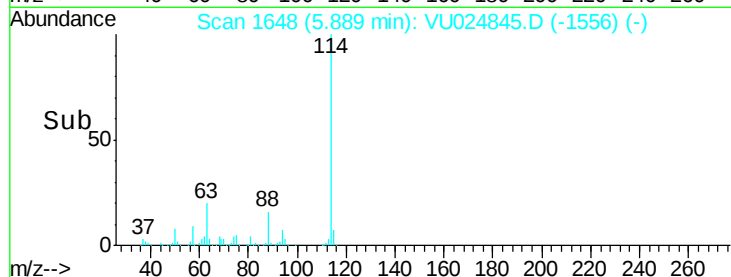
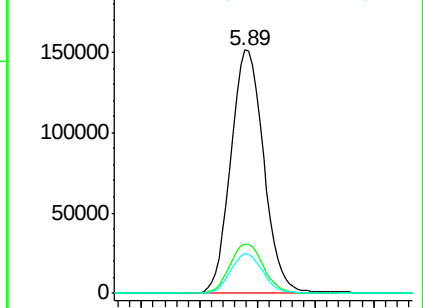
88 16.3 0.0 31.0



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

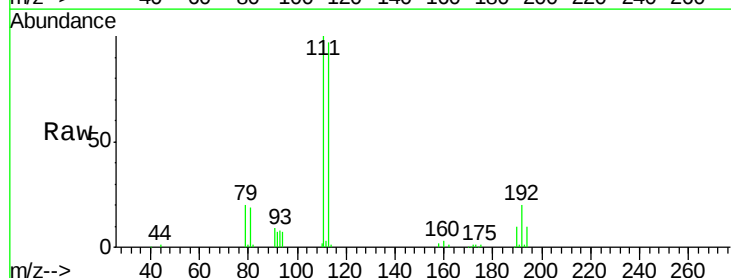
Tgt Ion:113 Resp: 116016

Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.2	123.4
192	20.8	16.2	24.4

113 100

111 102.2 82.2 123.4

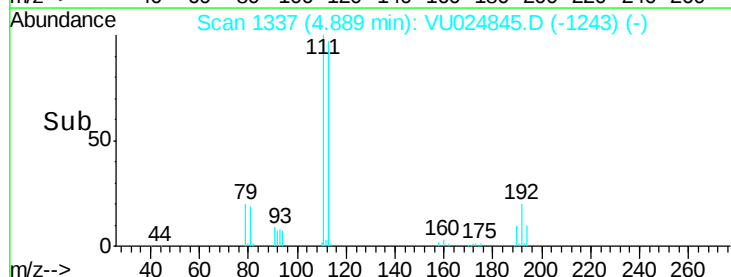
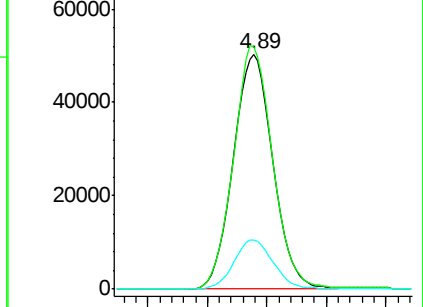
192 20.8 16.2 24.4

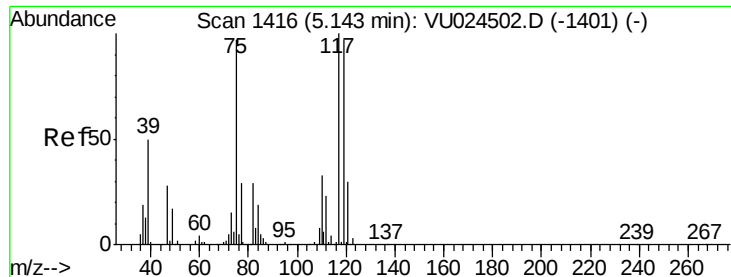


Abundance Ion 112.80 (112.50 to 113.50): V

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 :

MSVOA_U

ClientSampleId :

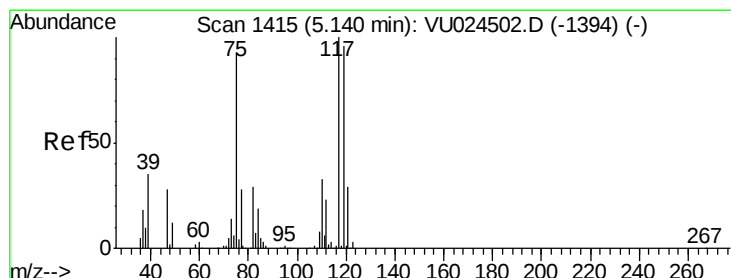
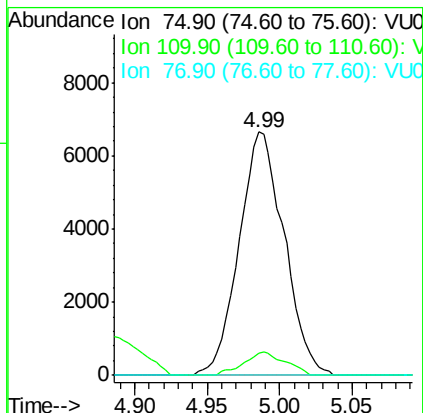
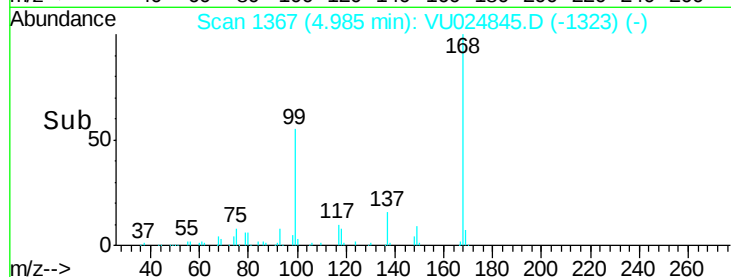
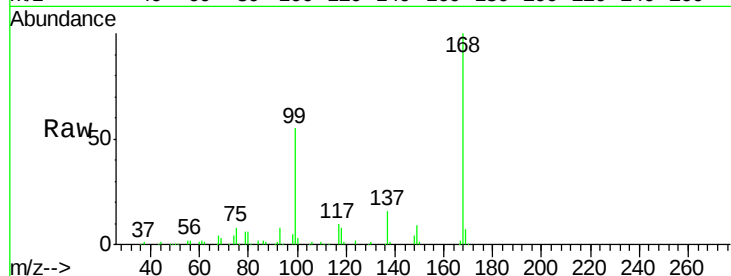
Tot Ion: 75 Resp: 14360

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

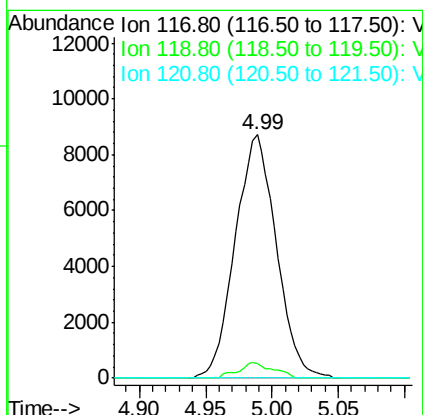
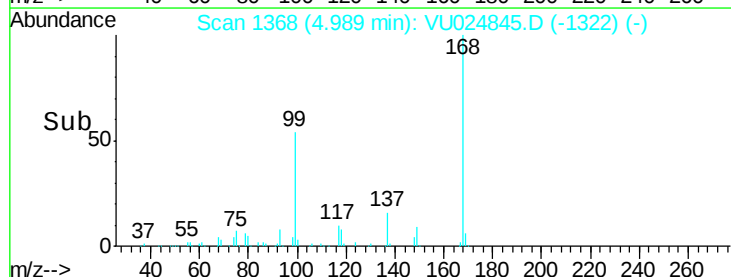
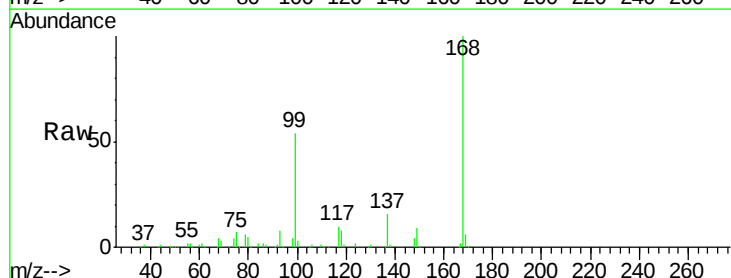
Tgt Ion: 117 Resp: 18795

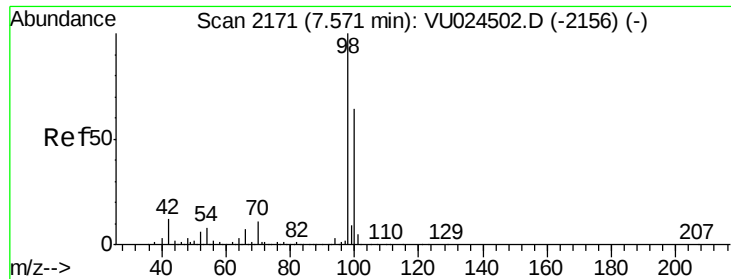
Ion Ratio Lower Upper

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

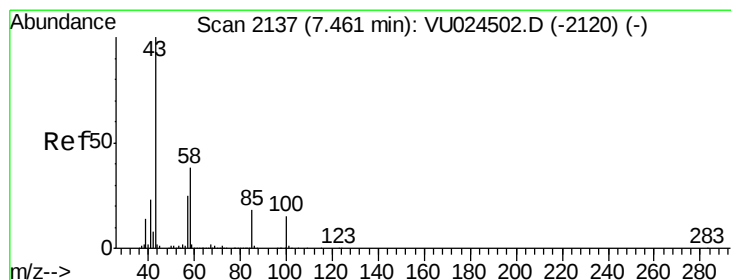
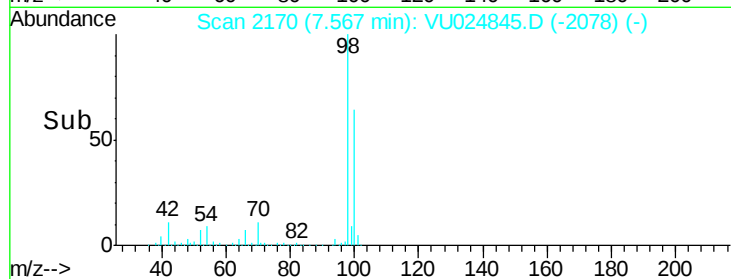
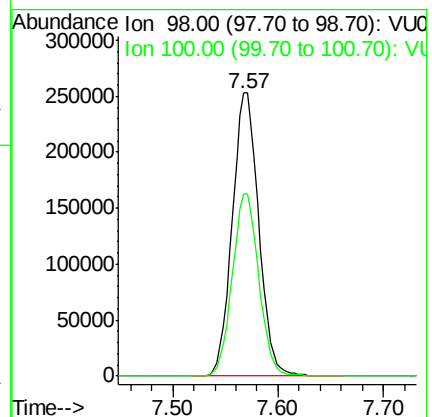
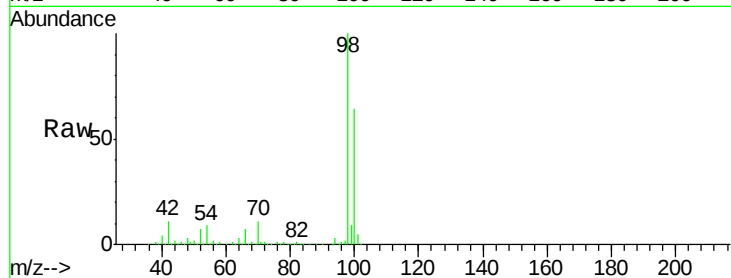
ClientSampleId :

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

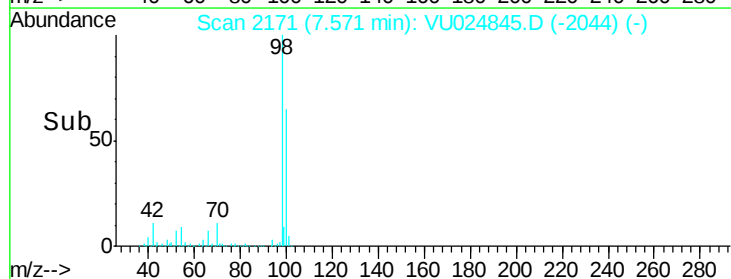
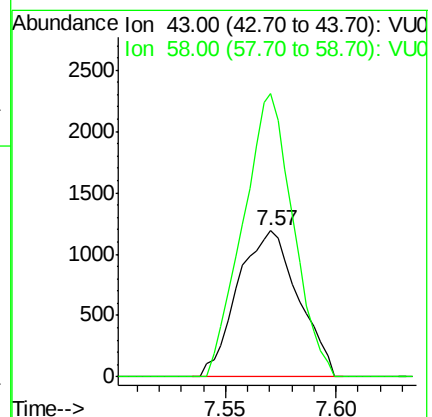
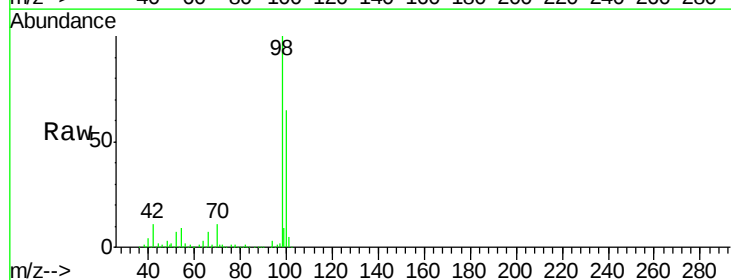
Acq: 22 Jun 2018 20:38

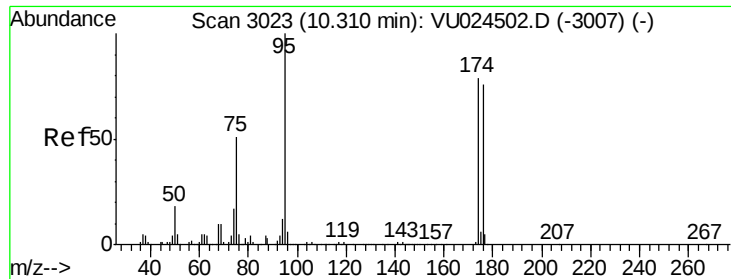
Tgt Ion: 43 Resp: 2265

Ion Ratio Lower Upper

43 100

58 160.4 30.0 45.0#

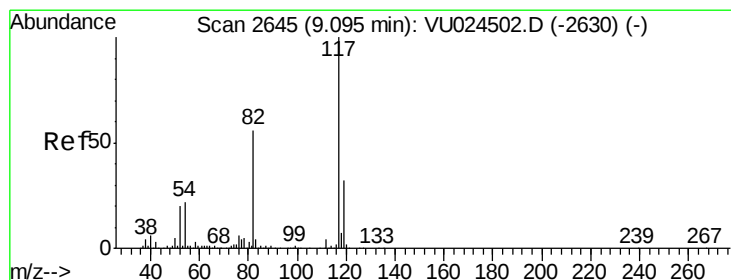
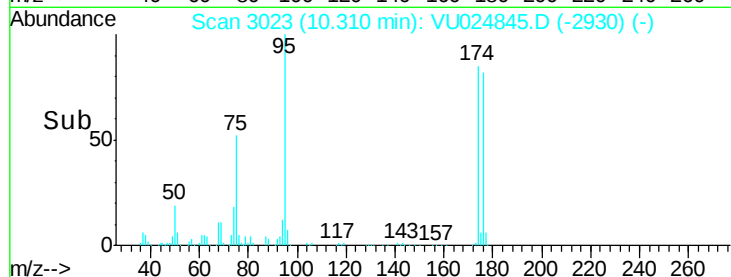
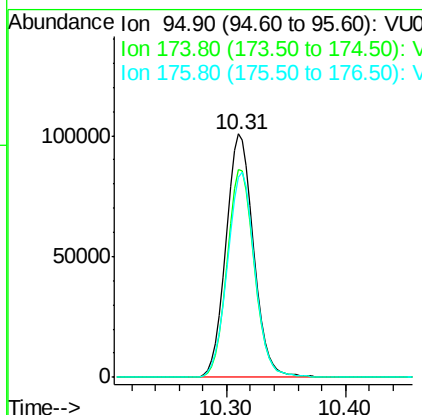
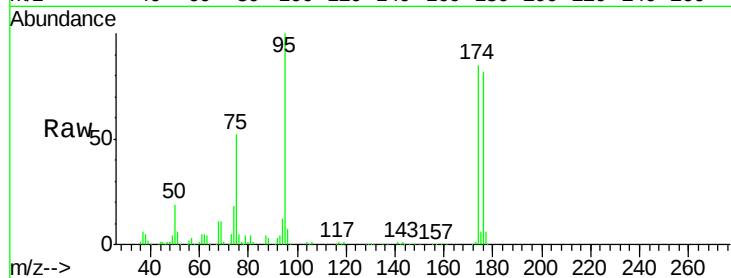




#62
4-Bromofluorobenzene
Concen: 45.18 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU024845.D
Acq: 22 Jun 2018 20:38

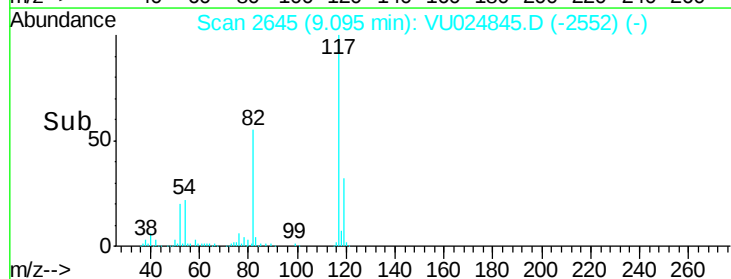
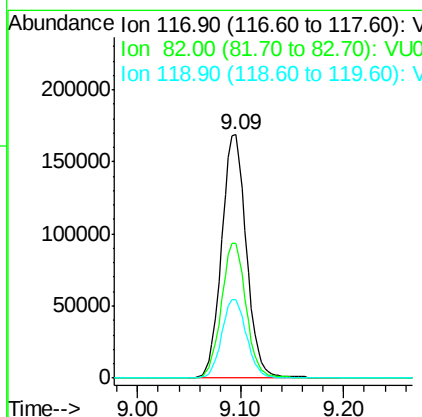
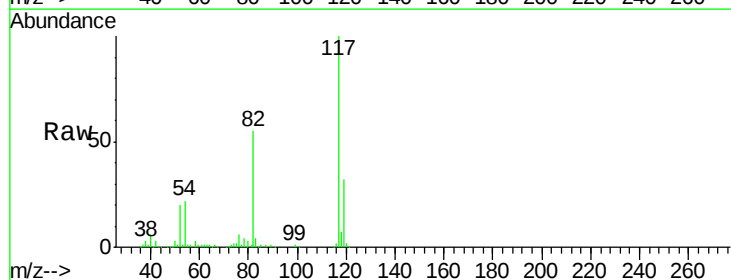
Instrument :
MSVOA_U
ClientSampleId :

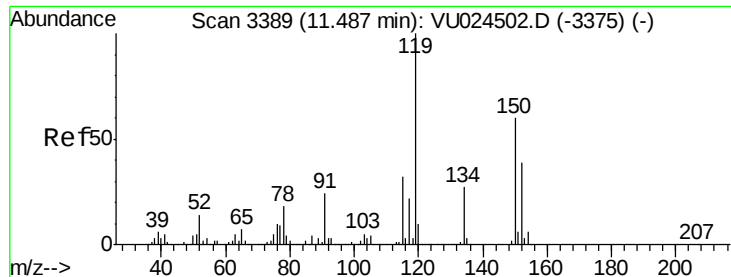
Tot Ion	95	Resp	162205
Ion Ratio	Lower	Upper	
95	100		
174	84.4	0.0	165.8
176	83.8	0.0	159.4



#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 :

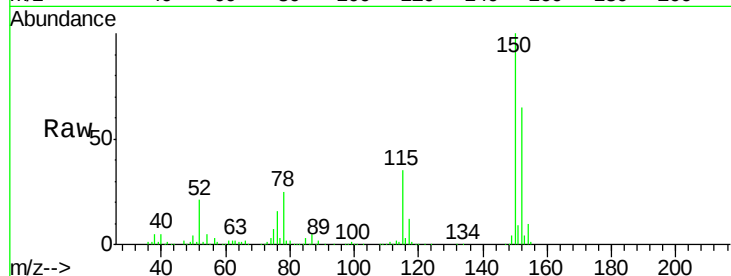
Tot Ion:152 Resp: 151665

Ion Ratio Lower Upper

152 100

115 56.5 43.0 129.0

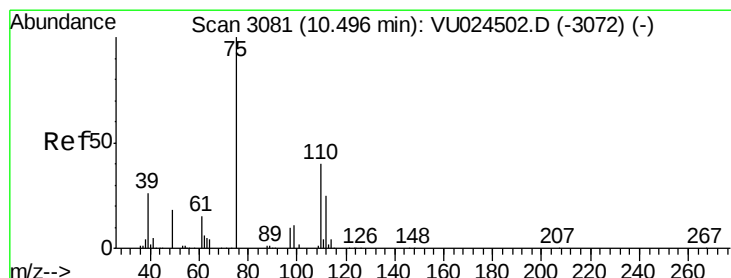
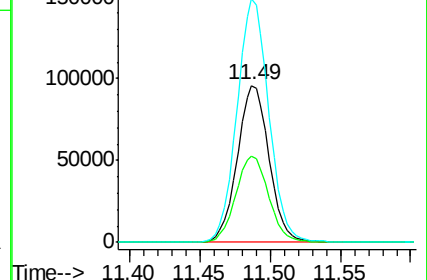
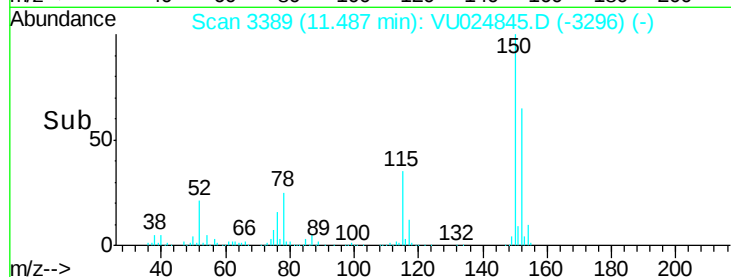
150 155.3 0.0 354.0



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

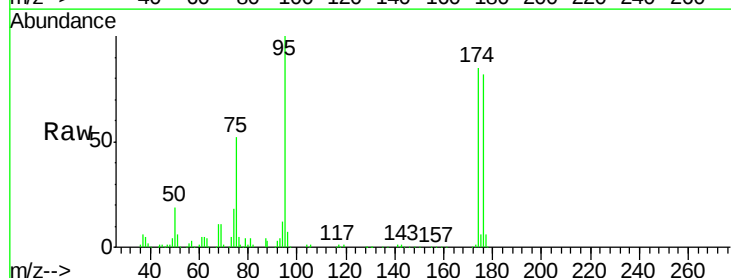
Acq: 22 Jun 2018 20:38

Tgt Ion: 75 Resp: 84334

Ion Ratio Lower Upper

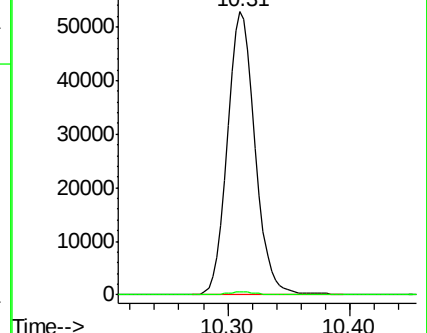
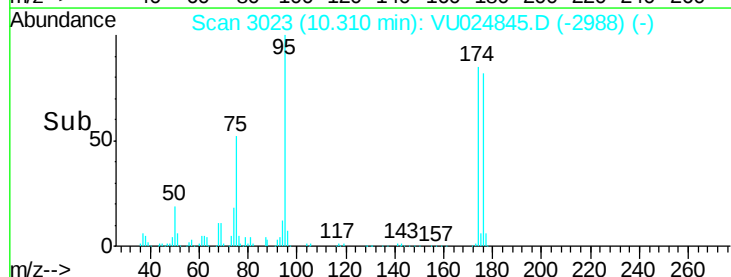
75 100

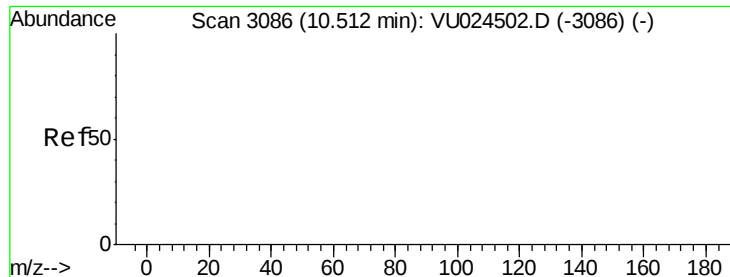
77 1.0 20.9 62.7#



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 :

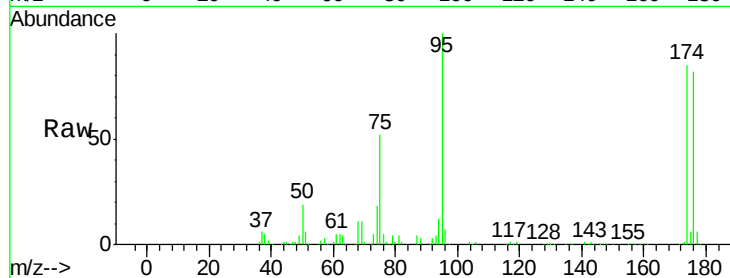
Tot Ion: 75 Resp: 84334

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

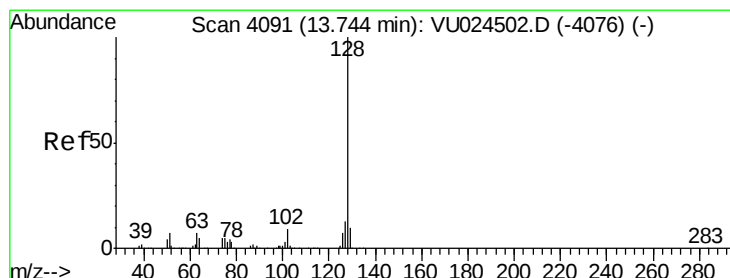
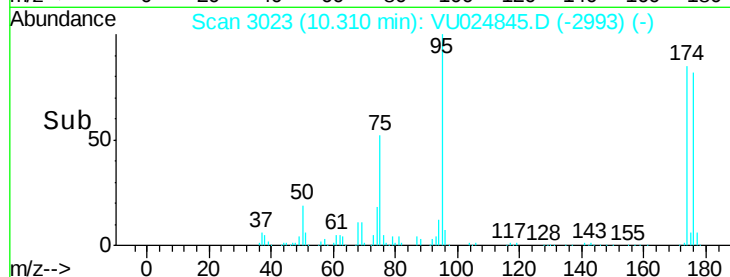
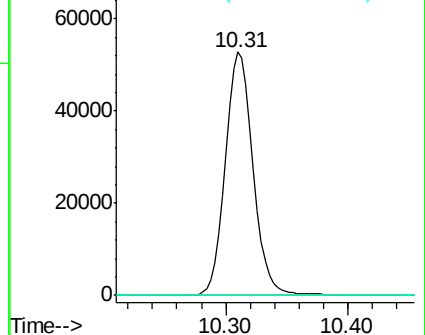
89 0.0 0.0 0.0



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

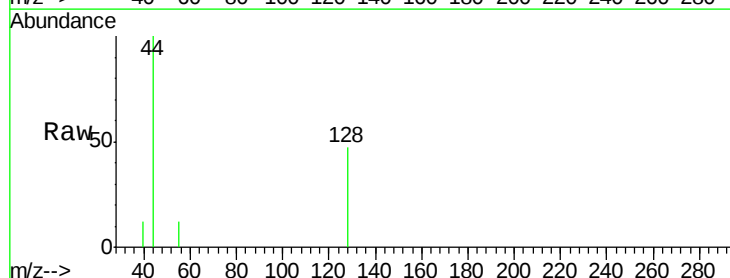
Tgt Ion: 128 Resp: 999

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) (-)

