

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062318\
 Data File : VU024847.D
 Acq On : 22 Jun 2018 21:27
 Operator : MD/SY
 Sample : J3617-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 23 02:16:21 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	198315	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	304055	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	278296	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	149712	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	143568	44.34	ug/l	0.00
Spiked Amount			Recovery	=	88.68%	
35) Dibromofluoromethane	4.89	113	116627	46.22	ug/l	0.00
Spiked Amount			Recovery	=	92.44%	
50) Toluene-d8	7.57	98	439291	47.73	ug/l	0.00
Spiked Amount			Recovery	=	95.46%	
62) 4-Bromofluorobenzene	10.31	95	160304	43.86	ug/l	0.00
Spiked Amount			Recovery	=	87.72%	

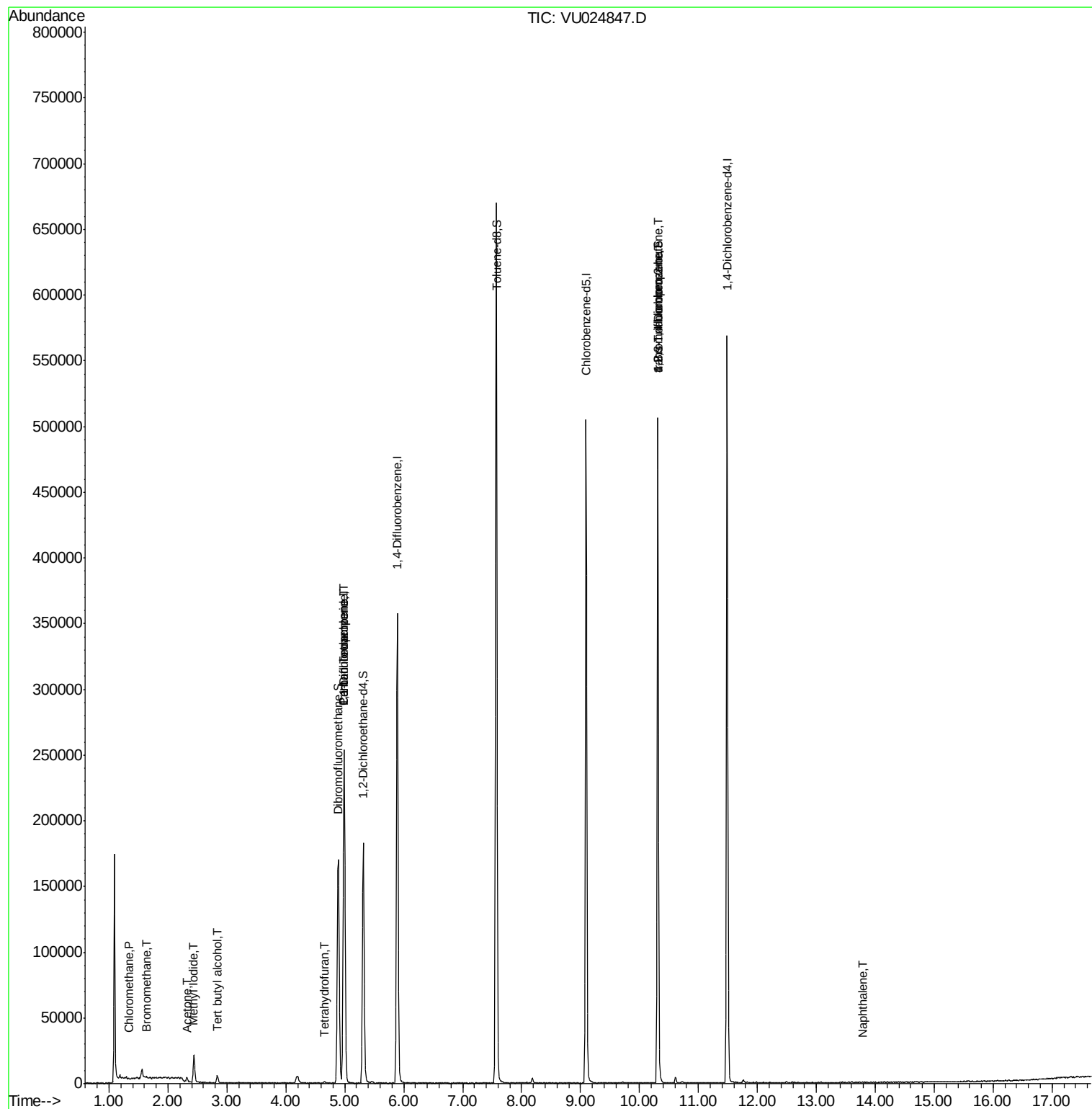
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	638	0.25	ug/l	# 81
5) Bromomethane	1.64	94	496	0.39	ug/l	# 93
6) Chloroethane	1.68	64	57	Below Cal	#	43
10) Methyl Iodide	2.42	142	134	5.35	ug/l	# 40
11) Tert butyl alcohol	2.83	59	3139	3.99	ug/l	# 72
16) Acetone	2.32	43	3694	2.12	ug/l	100
29) Tetrahydrofuran	4.65	42	695	0.48	ug/l	# 81
31) Cyclohexane	4.99	56	4062	Below Cal	#	27
36) 1,1-Dichloropropene	4.99	75	14727	4.12	ug/l	# 50
38) Carbon Tetrachloride	4.99	117	18861	4.80	ug/l	# 16
76) 1,2,3-Trichloropropane	10.31	75	83603	25.36	ug/l	# 36
81) trans-1,4-Dichloro-2-buten	10.31	75	83603	58.70	ug/l	# 100
95) Naphthalene	13.78	128	314	0.71	ug/l	# 69

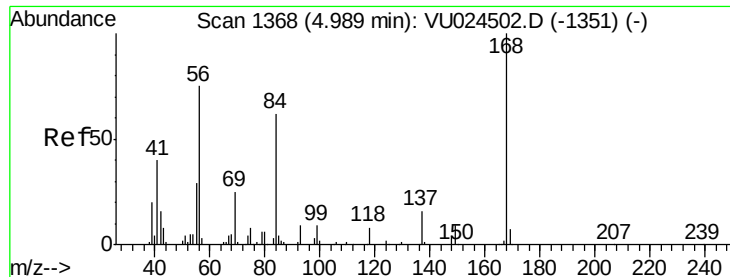
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU024847.D

Acq: 22 Jun 2018 21:27

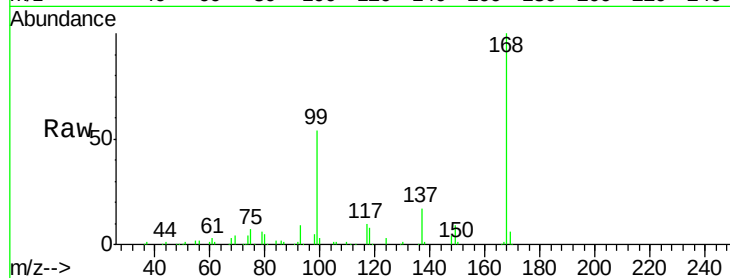
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 198315

Ion Ratio Lower Upper

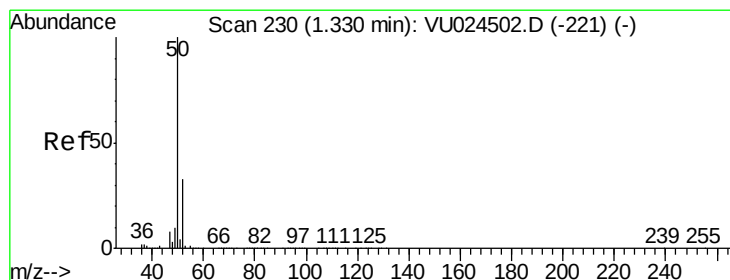
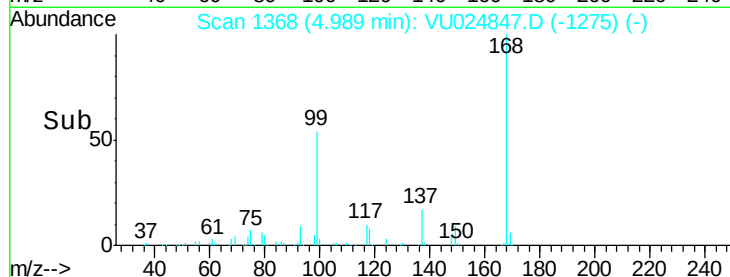
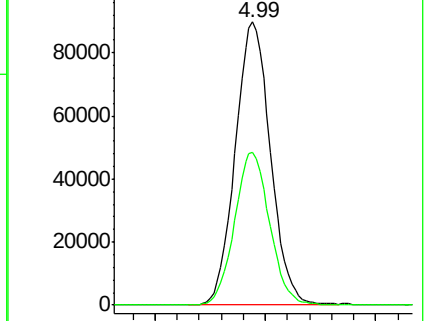
168 100

99 53.9 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024847.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU024847.D (-1275) (-)



#3

Chloromethane

Concen: 0.25 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU024847.D

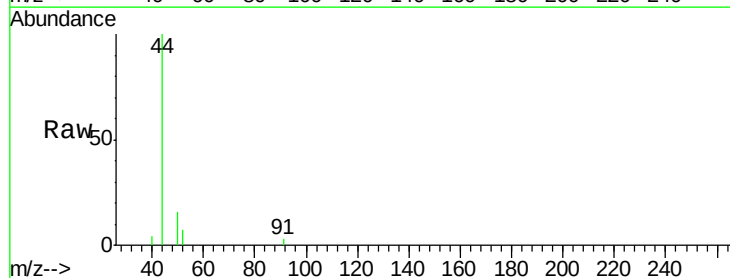
Acq: 22 Jun 2018 21:27

Tgt Ion: 50 Resp: 638

Ion Ratio Lower Upper

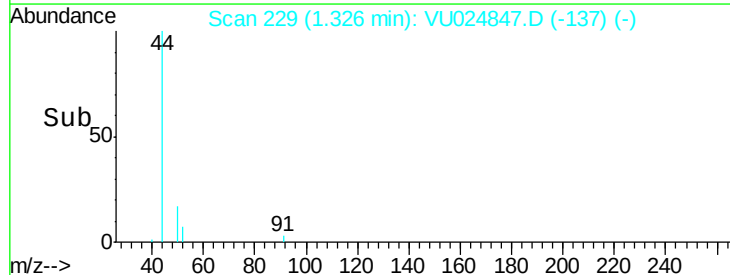
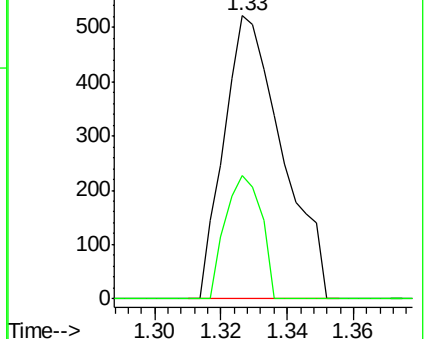
50 100

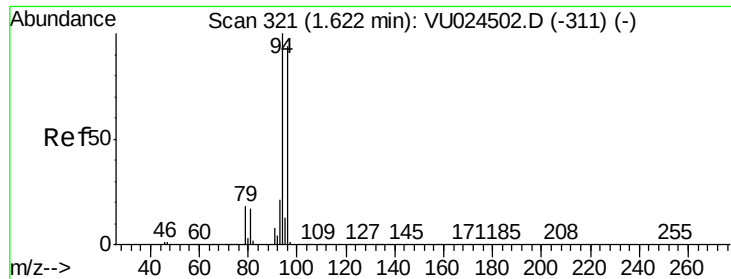
52 43.5 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VU024847.D (-137) (-)

Ion 51.90 (51.60 to 52.60): VU024847.D (-137) (-)





#5

Bromomethane

Concen: 0.39 ug/l

RT: 1.64 min Scan# 325

Delta R.T. 0.01 min

Lab File: VU024847.D

Acq: 22 Jun 2018 21:27

Instrument :

MSVOA_U

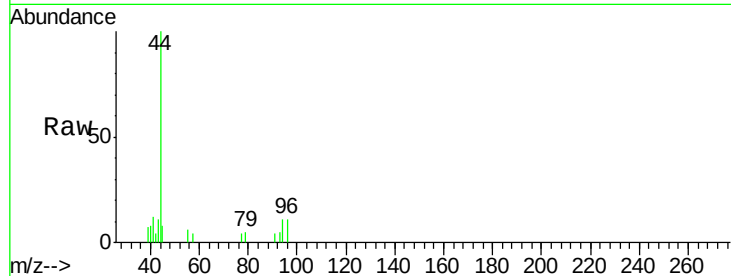
ClientSampleId :

Tot Ion: 94 Resp: 496

Ion Ratio Lower Upper

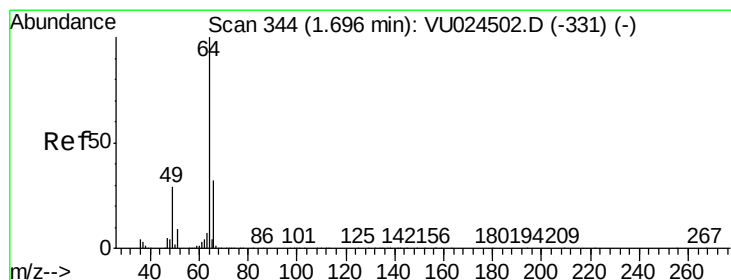
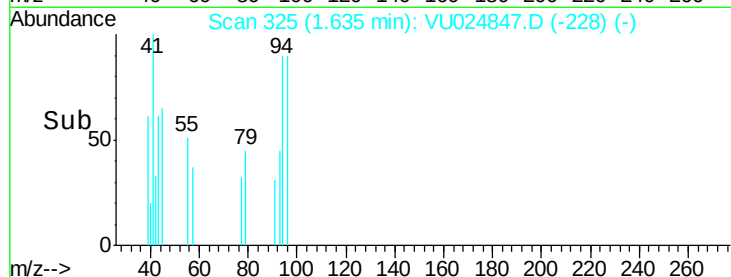
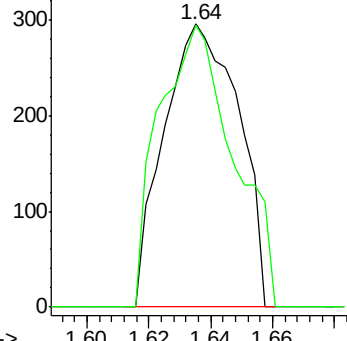
94 100

96 99.7 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 340

Delta R.T. -0.01 min

Lab File: VU024847.D

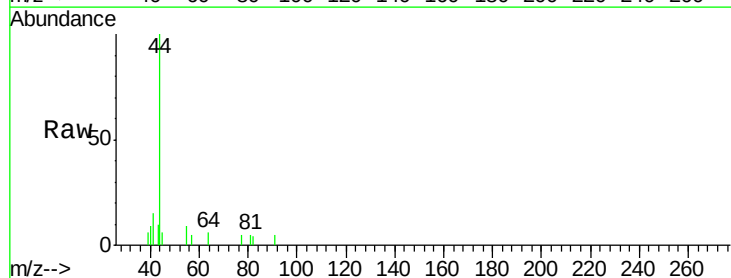
Acq: 22 Jun 2018 21:27

Tgt Ion: 64 Resp: 57

Ion Ratio Lower Upper

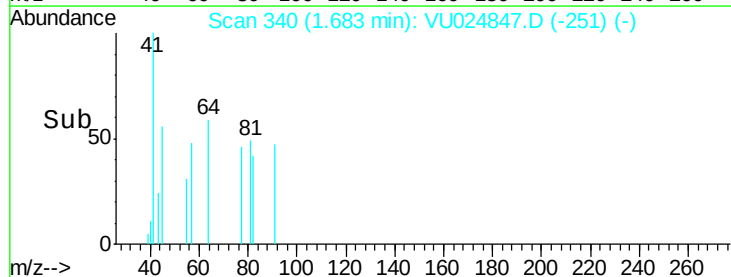
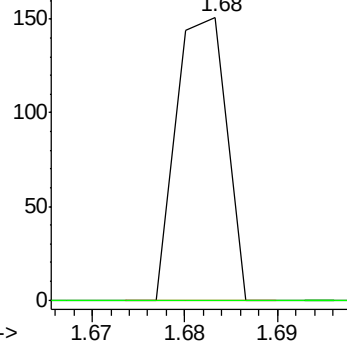
64 100

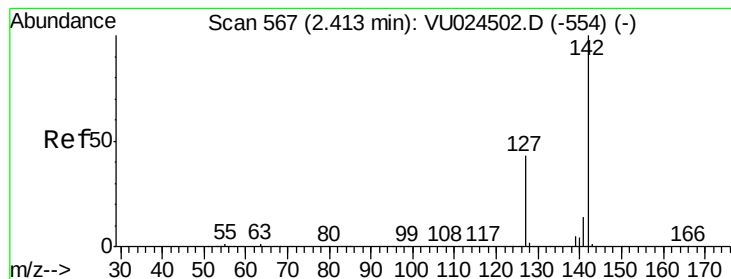
66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#10

Methvl Iodide

Concen: 5.35 ug/l

RT: 2.42 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU024847.D

Acq: 22 Jun 2018 21:27

Instrument :

MSVOA_U

ClientSampleId :

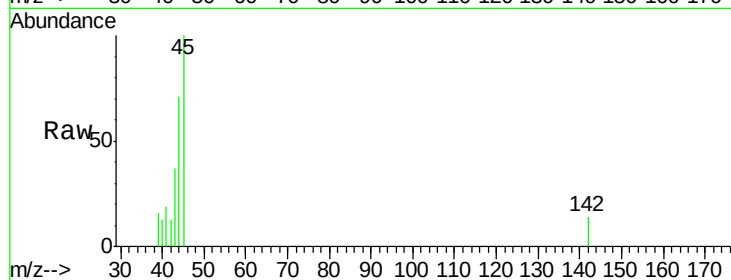
Tot Ion:142 Resp: 134

Ion Ratio Lower Upper

142 100

127 0.0 35.6 53.4#

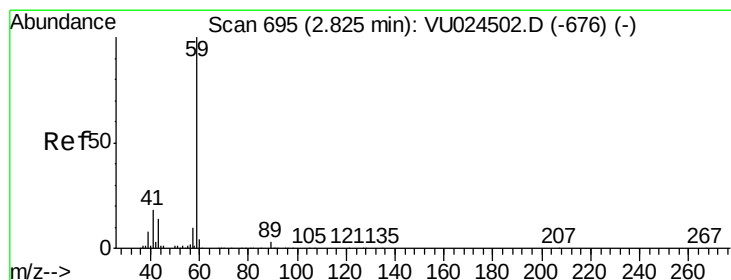
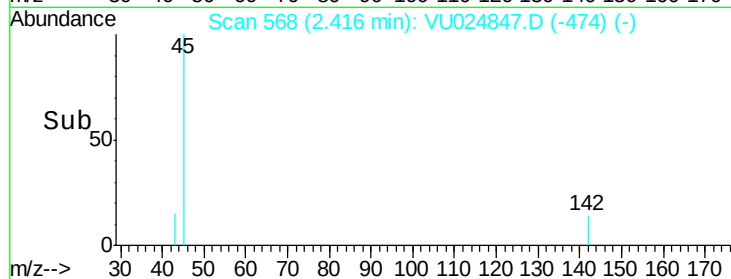
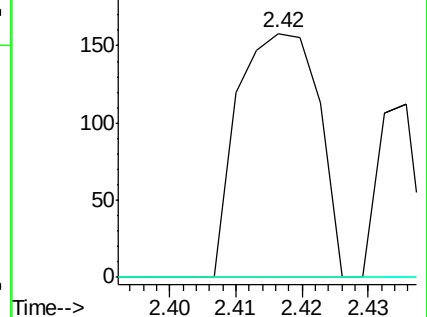
141 0.0 11.7 17.5#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 3.99 ug/l

RT: 2.83 min Scan# 698

Delta R.T. 0.01 min

Lab File: VU024847.D

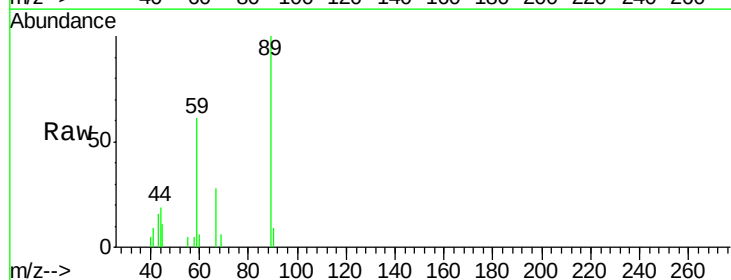
Acq: 22 Jun 2018 21:27

Tgt Ion: 59 Resp: 3139

Ion Ratio Lower Upper

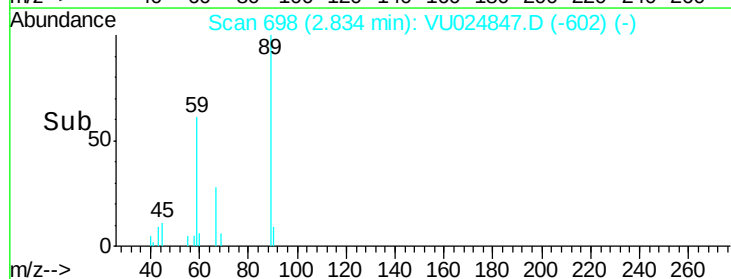
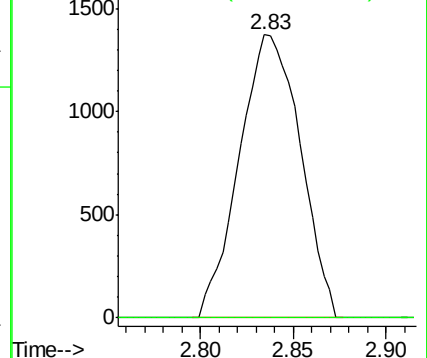
59 100

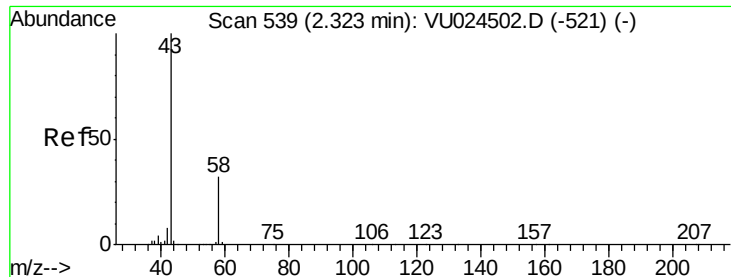
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#16

Acetone

Concen: 2.12 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU024847.D

Acq: 22 Jun 2018 21:27

Instrument :

MSVOA_U

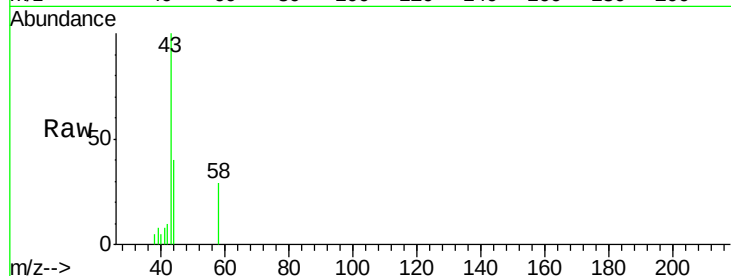
ClientSampleId :

Tot Ion: 43 Resp: 3694

Ion Ratio Lower Upper

43 100

58 30.4 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU024847.D (-446) (-)

Ion 58.00 (57.70 to 58.70): VU024847.D (-446) (-)

2.32

2500

2000

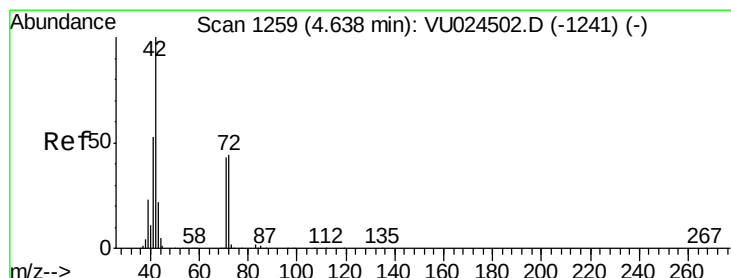
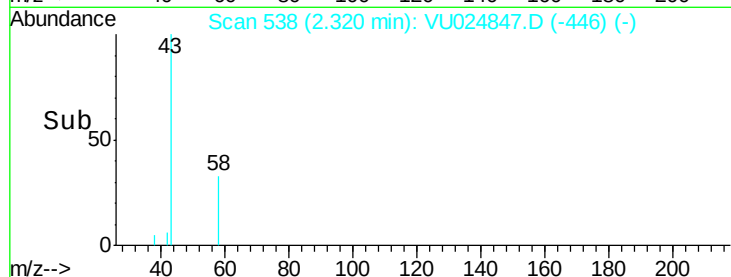
1500

1000

500

0

Time--> 2.25 2.30 2.35



#29

Tetrahydrofuran

Concen: 0.48 ug/l

RT: 4.65 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VU024847.D

Acq: 22 Jun 2018 21:27

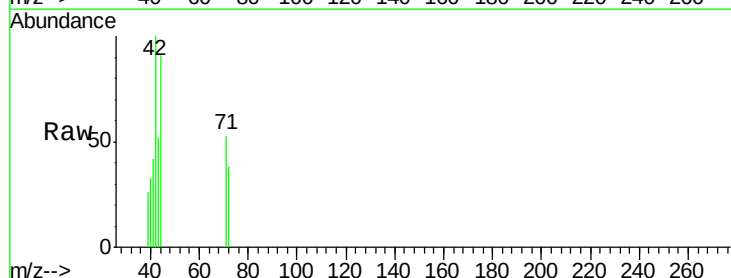
Tgt Ion: 42 Resp: 695

Ion Ratio Lower Upper

42 100

72 20.7 34.5 51.7#

71 39.3 32.2 48.4



Abundance Ion 42.00 (41.70 to 42.70): VU024847.D (-1166) (-)

Ion 72.00 (71.70 to 72.70): VU024847.D (-1166) (-)

Ion 71.00 (70.70 to 71.70): VU024847.D (-1166) (-)

4.65

500

400

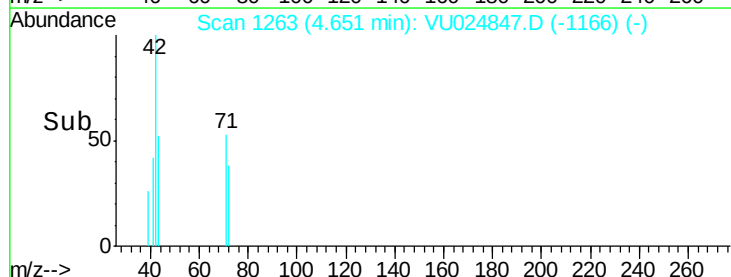
300

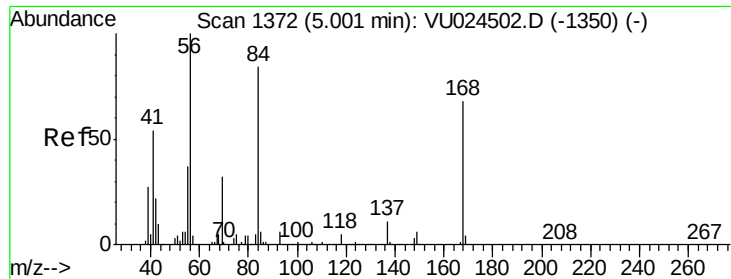
200

100

0

Time--> 4.60 4.62 4.64 4.66 4.68

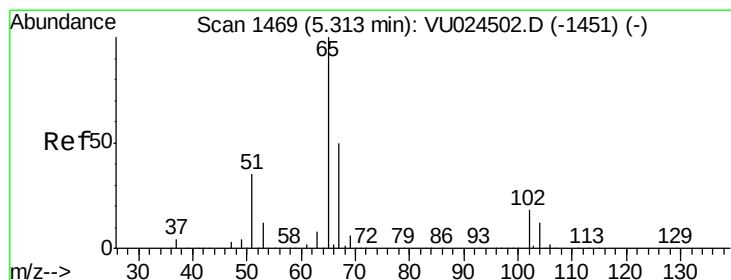
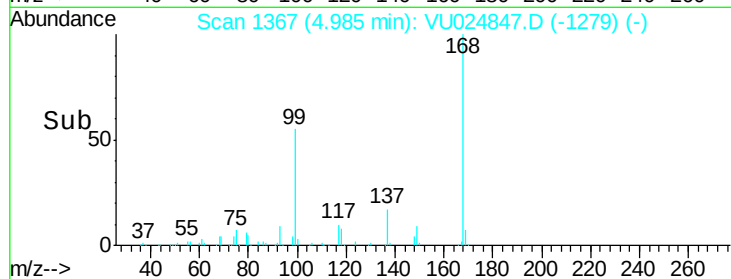
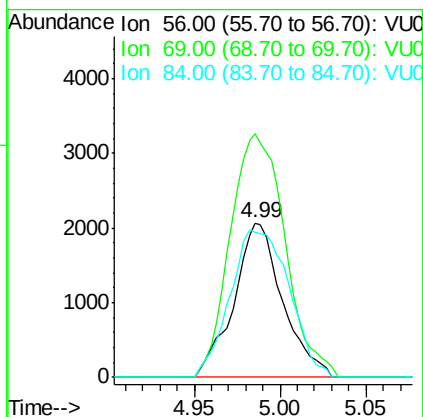
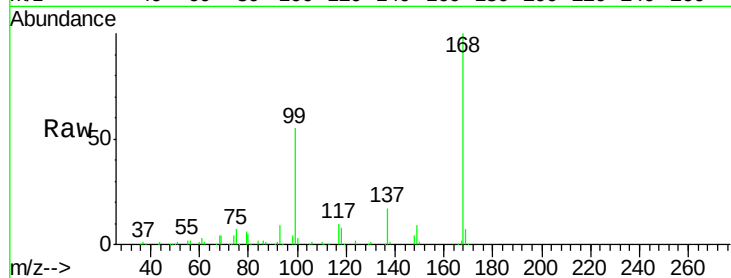




#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1367
Delta R.T. -0.02 min
Lab File: VU024847.D
Acq: 22 Jun 2018 21:27

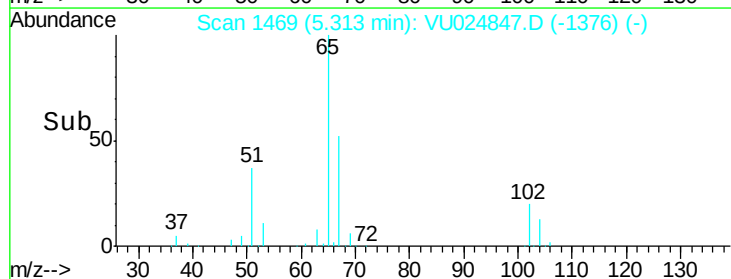
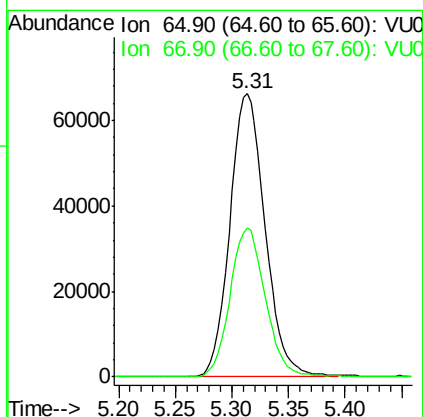
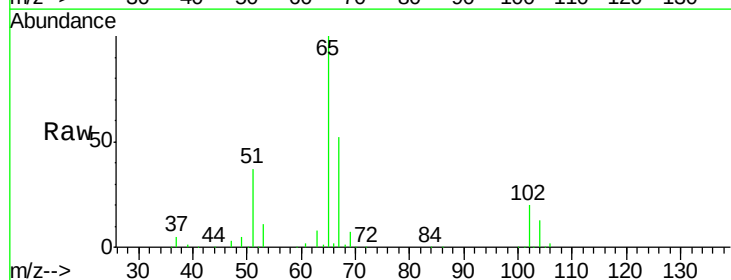
Instrument :
MSVOA_U
ClientSampled :

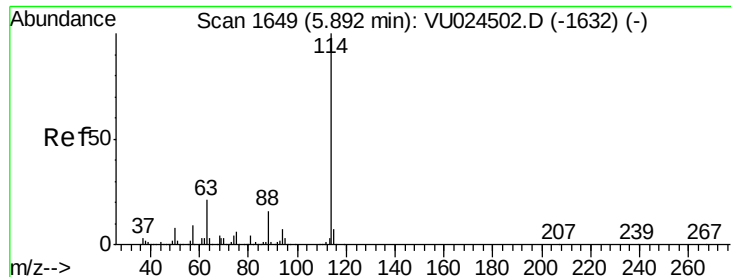
Tot Ion: 56 Resp: 4062
Ion Ratio Lower Upper
56 100
69 157.6 24.8 37.2#
84 93.8 65.2 97.8



#33
1,2-Dichloroethane-d4
Concen: 44.34 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VU024847.D
Acq: 22 Jun 2018 21:27

Tgt Ion: 65 Resp: 143568
Ion Ratio Lower Upper
65 100
67 52.5 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. 0.00 min

Lab File: VU024847.D

Acq: 22 Jun 2018 21:27

Instrument :

MSVOA_U

ClientSampleId :

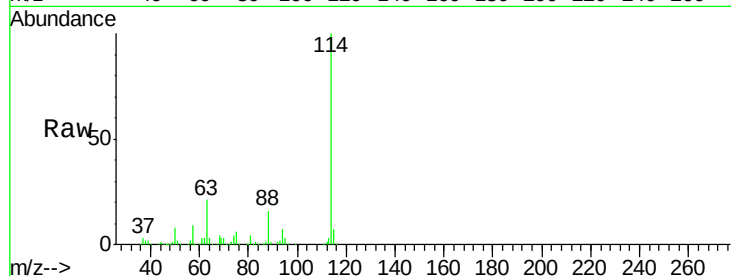
Tot Ion:114 Resp: 304055

Ion Ratio Lower Upper

114 100

63 21.1 0.0 45.4

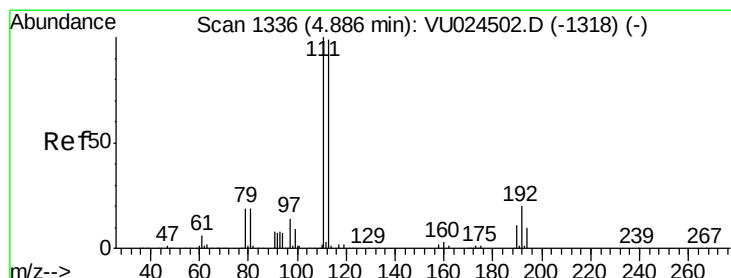
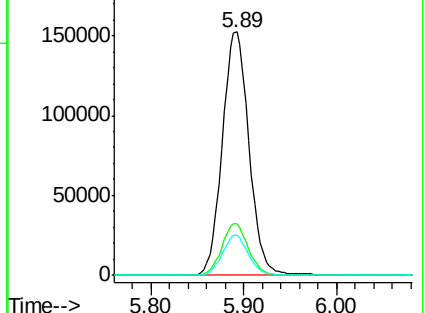
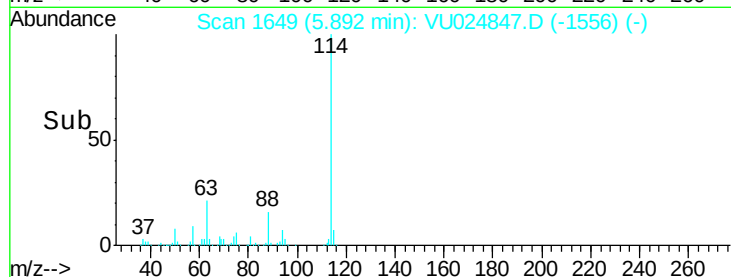
88 16.4 0.0 31.0



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: 46.22 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024847.D

Acq: 22 Jun 2018 21:27

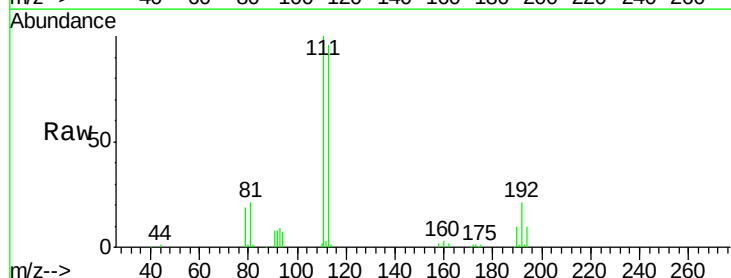
Tgt Ion:113 Resp: 116627

Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.4

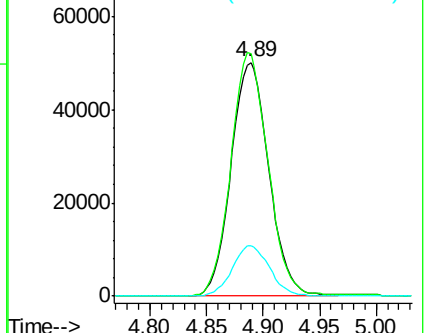
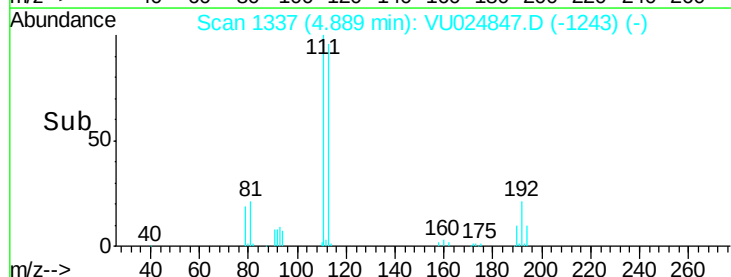
192 21.3 16.2 24.4

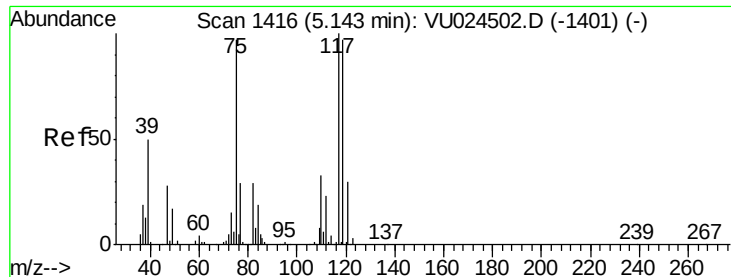


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.12 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024847.D

Acq: 22 Jun 2018 21:27

Instrument :

MSVOA_U

ClientSampleId :

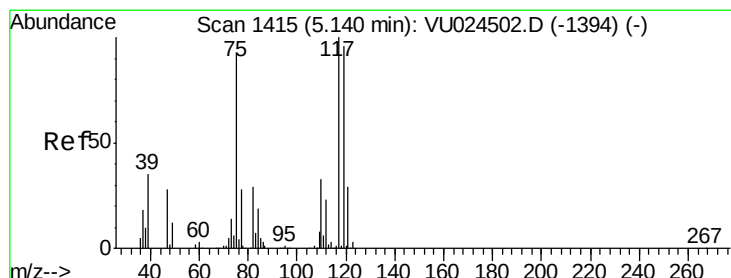
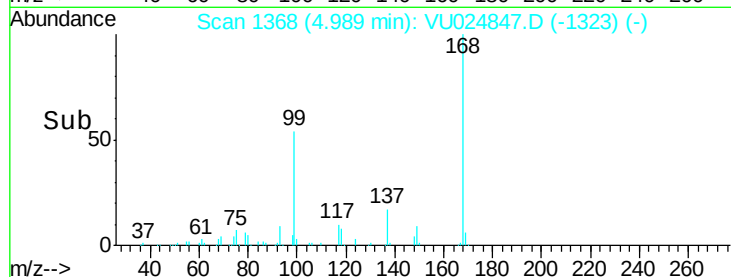
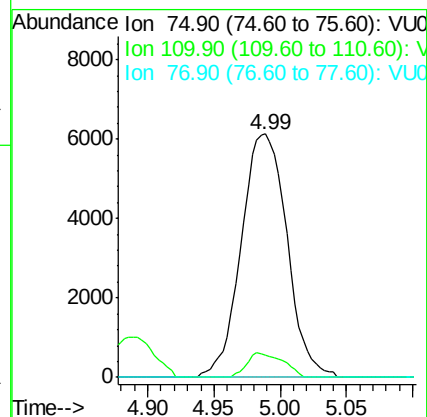
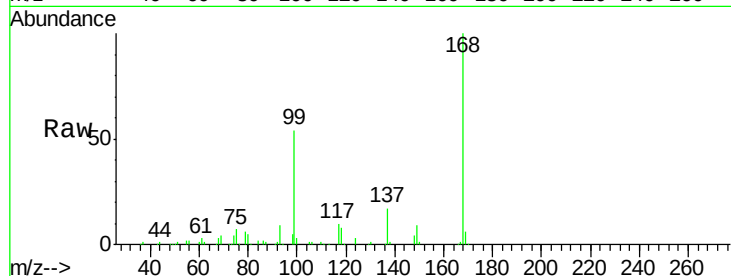
Tot Ion: 75 Resp: 14727

Ion Ratio Lower Upper

75 100

110 8.0 17.0 50.9#

77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 4.80 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024847.D

Acq: 22 Jun 2018 21:27

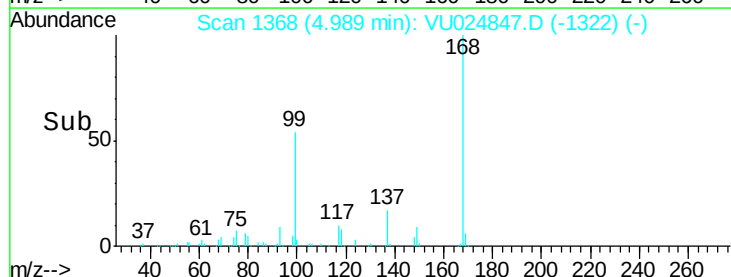
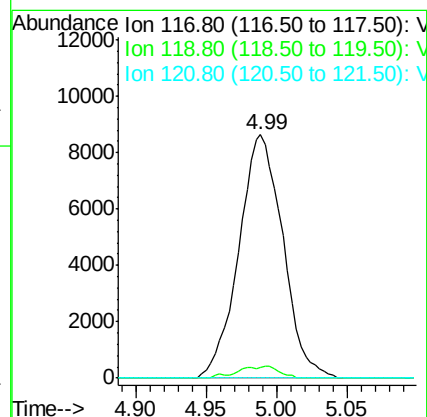
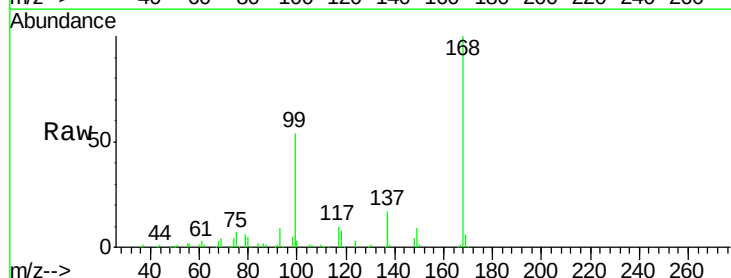
Tgt Ion: 117 Resp: 18861

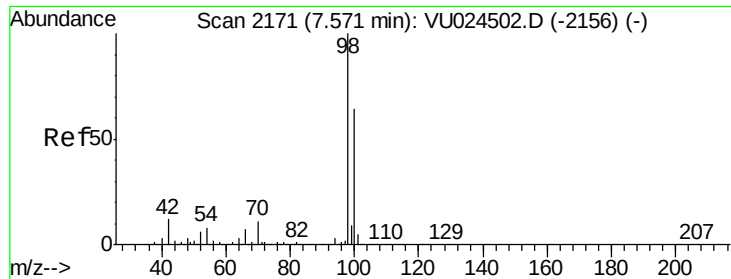
Ion Ratio Lower Upper

117 100

119 4.4 76.1 114.1#

121 0.0 23.7 35.5#

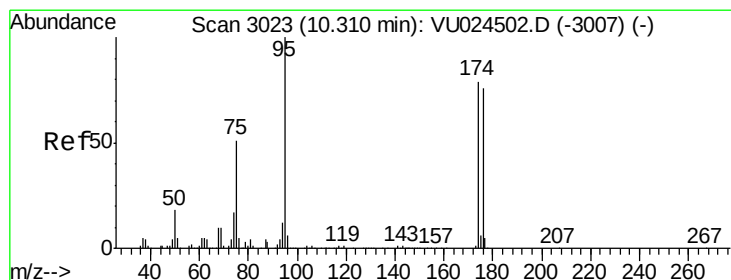
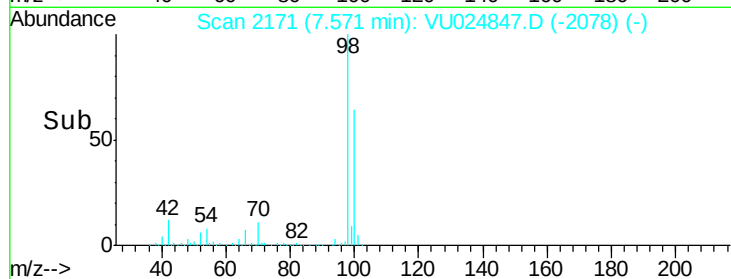
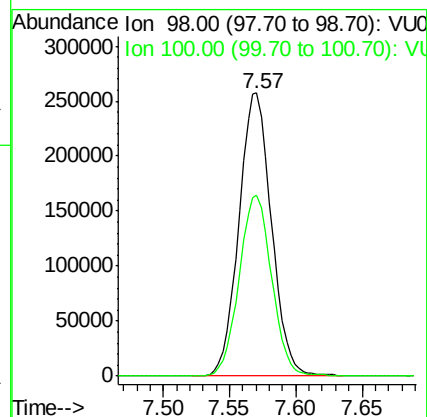
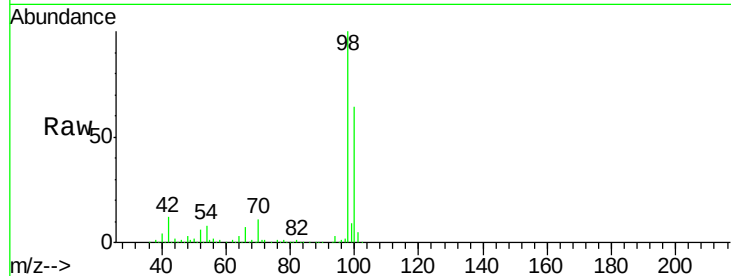




#50
Toluene-d8
Concen: 47.73 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VU024847.D
Acq: 22 Jun 2018 21:27

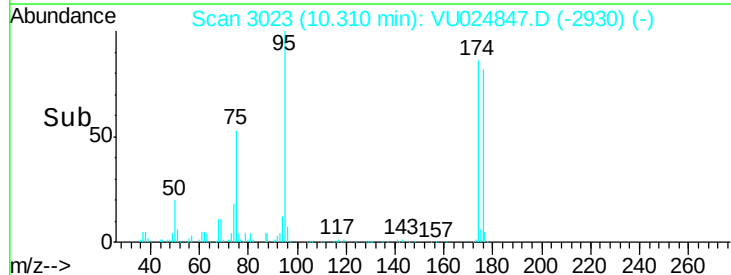
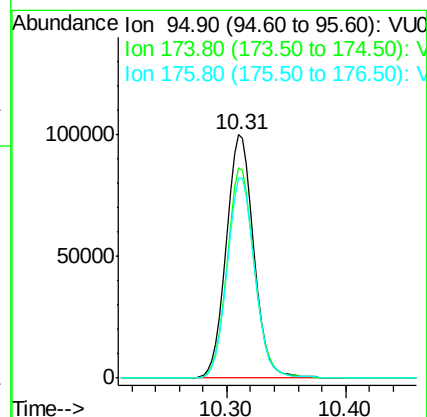
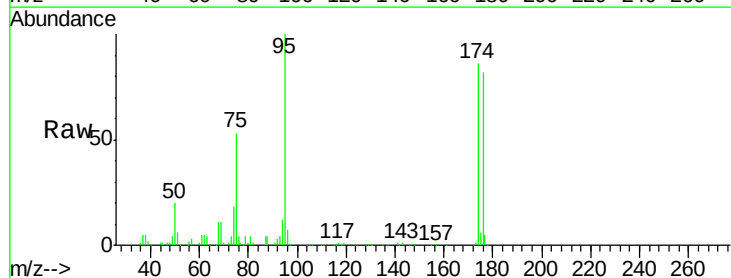
Instrument :
MSVOA_U
ClientSampleId :

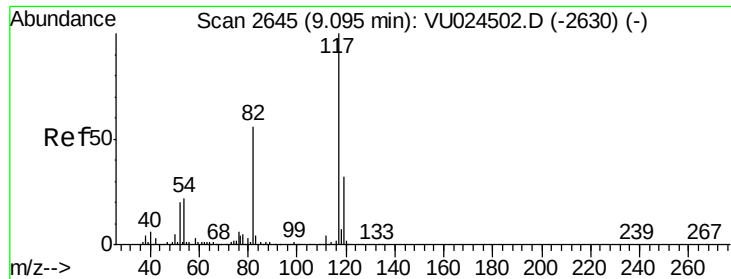
Tot Ion: 98 Resp: 439291
Ion Ratio Lower Upper
98 100
100 64.1 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 43.86 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU024847.D
Acq: 22 Jun 2018 21:27

Tgt Ion: 95 Resp: 160304
Ion Ratio Lower Upper
95 100
174 86.0 0.0 165.8
176 82.6 0.0 159.4

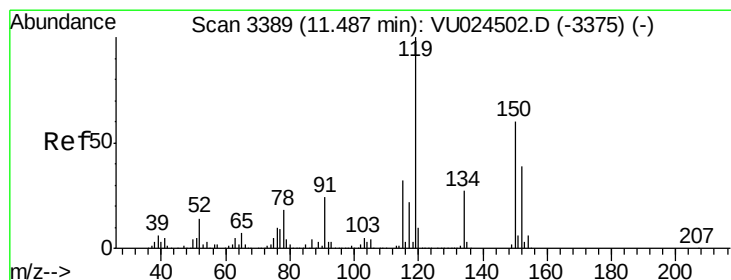
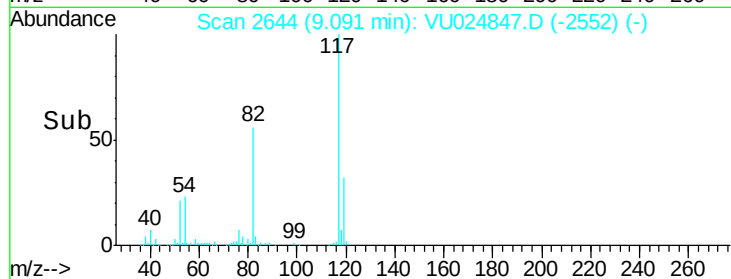
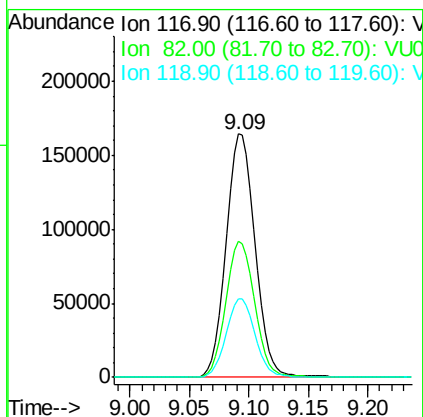
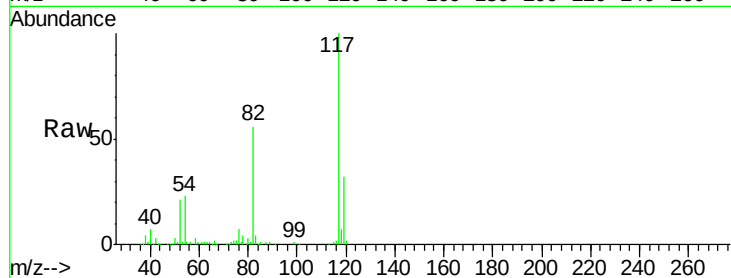




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024847.D
Acq: 22 Jun 2018 21:27

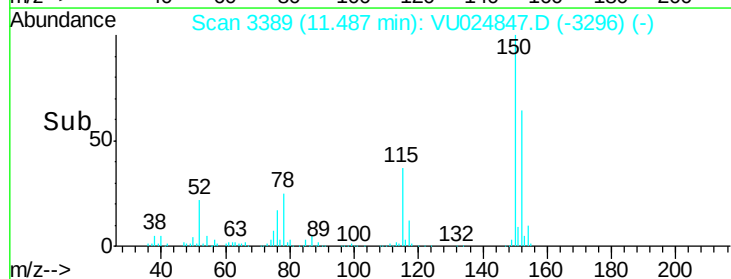
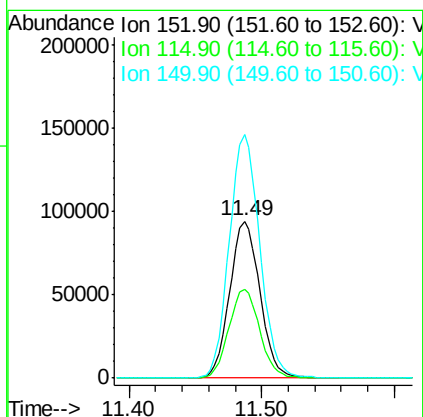
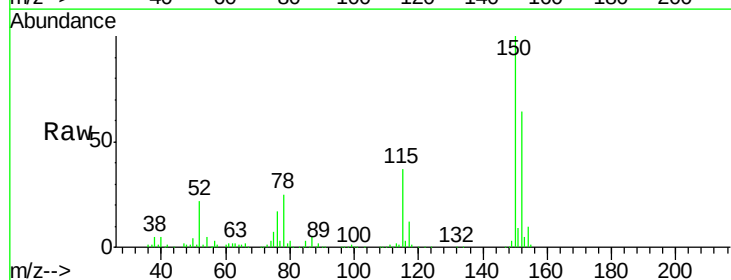
Instrument :
MSVOA_U
ClientSampleId :

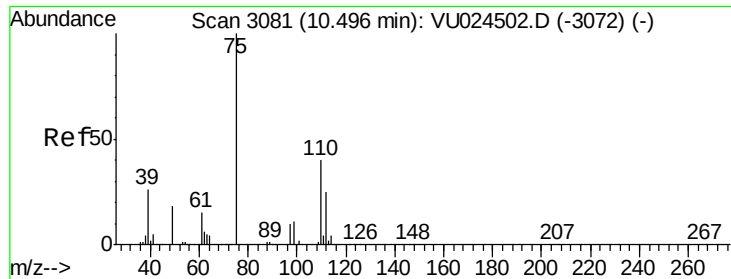
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.9	44.3	66.5
119	32.2	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU024847.D
Acq: 22 Jun 2018 21:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.7	43.0	129.0
150	156.7	0.0	354.0

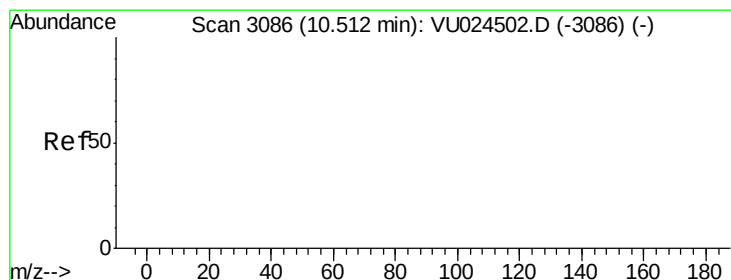
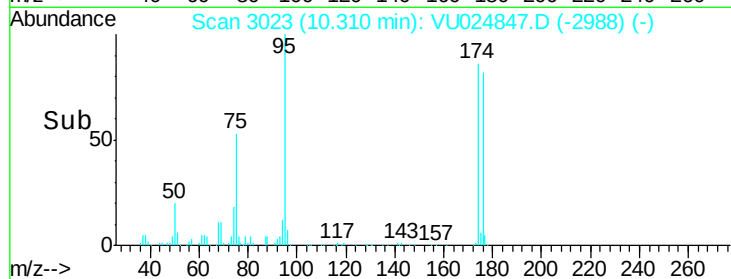
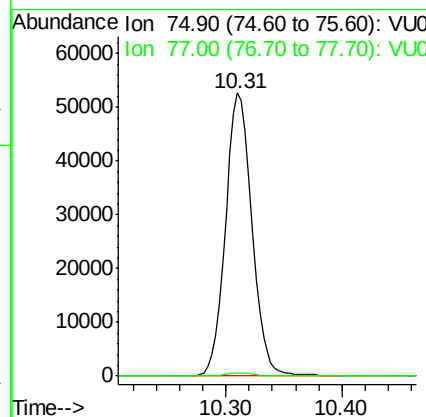
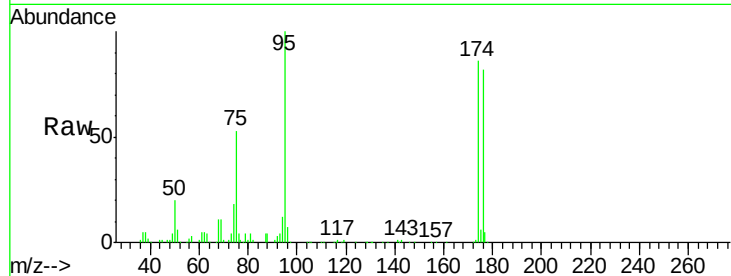




#76
 1,2,3-Trichloropropane
 Concen: 25.36 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.19 min
 Lab File: VU024847.D
 Acq: 22 Jun 2018 21:27

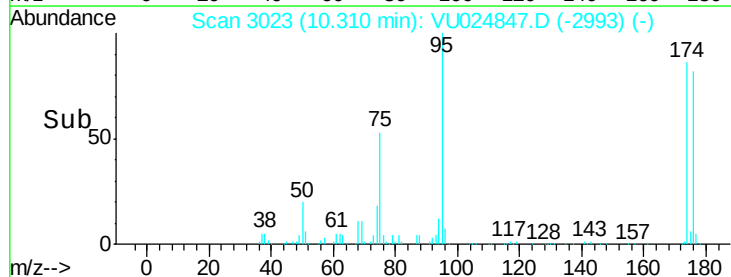
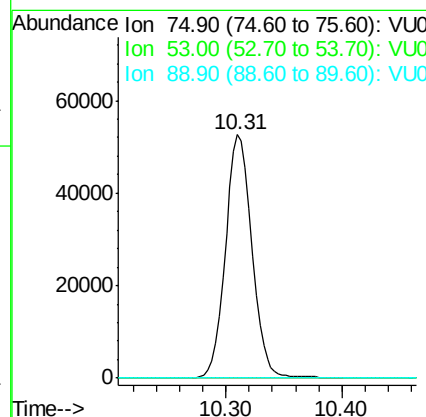
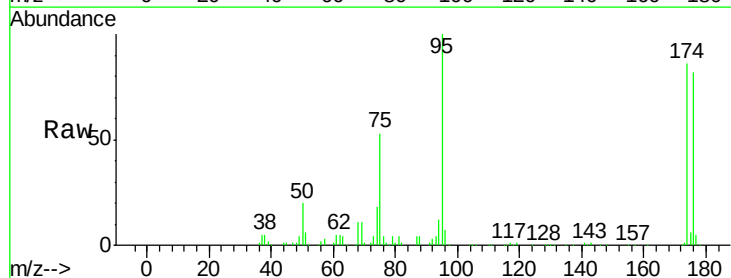
Instrument :
 MSVOA_U
 ClientSampleId :

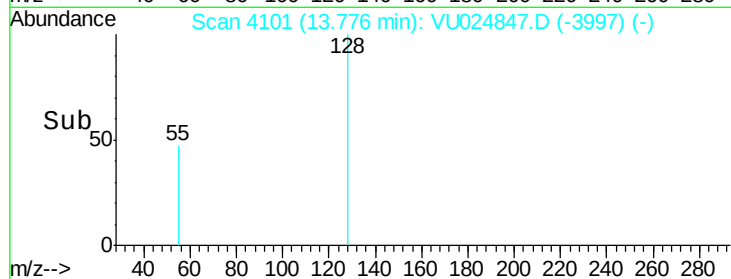
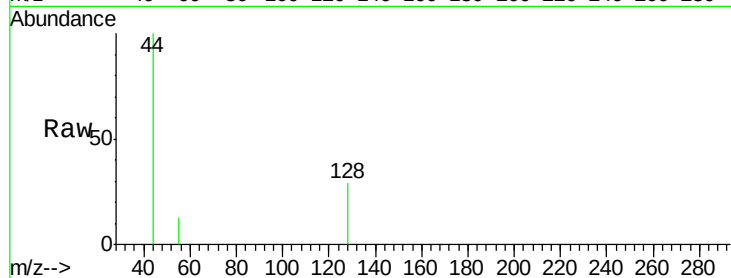
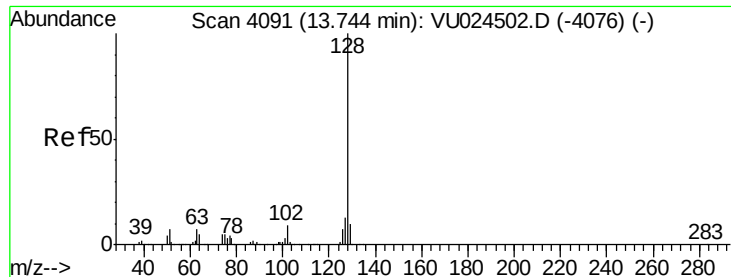
Tot Ion: 75 Resp: 83603
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.9 62.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.70 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.20 min
 Lab File: VU024847.D
 Acq: 22 Jun 2018 21:27

Tgt Ion: 75 Resp: 83603
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





#95

Naphthalene

Concen: 0.71 ug/l

RT: 13.78 min Scan# 4101

Delta R.T. 0.03 min

Lab File: VU024847.D

Acq: 22 Jun 2018 21:27

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:128 Resp: 314

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 0.0 8.6 12.8#

