

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062118\
 Data File : VU024801.D
 Acq On : 21 Jun 2018 11:04
 Operator : MD/SY
 Sample : VU0621WBL01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0621WBL01

Quant Time: Jun 21 15:21:38 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	208743	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	324522	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	303286	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	167589	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	152703	44.81	ug/l	0.00
Spiked Amount			Recovery	=	89.62%	
35) Dibromofluoromethane	4.89	113	124776	46.33	ug/l	0.00
Spiked Amount			Recovery	=	92.66%	
50) Toluene-d8	7.57	98	471875	48.03	ug/l	0.00
Spiked Amount			Recovery	=	96.06%	
62) 4-Bromofluorobenzene	10.31	95	174886	44.84	ug/l	0.00
Spiked Amount			Recovery	=	89.68%	

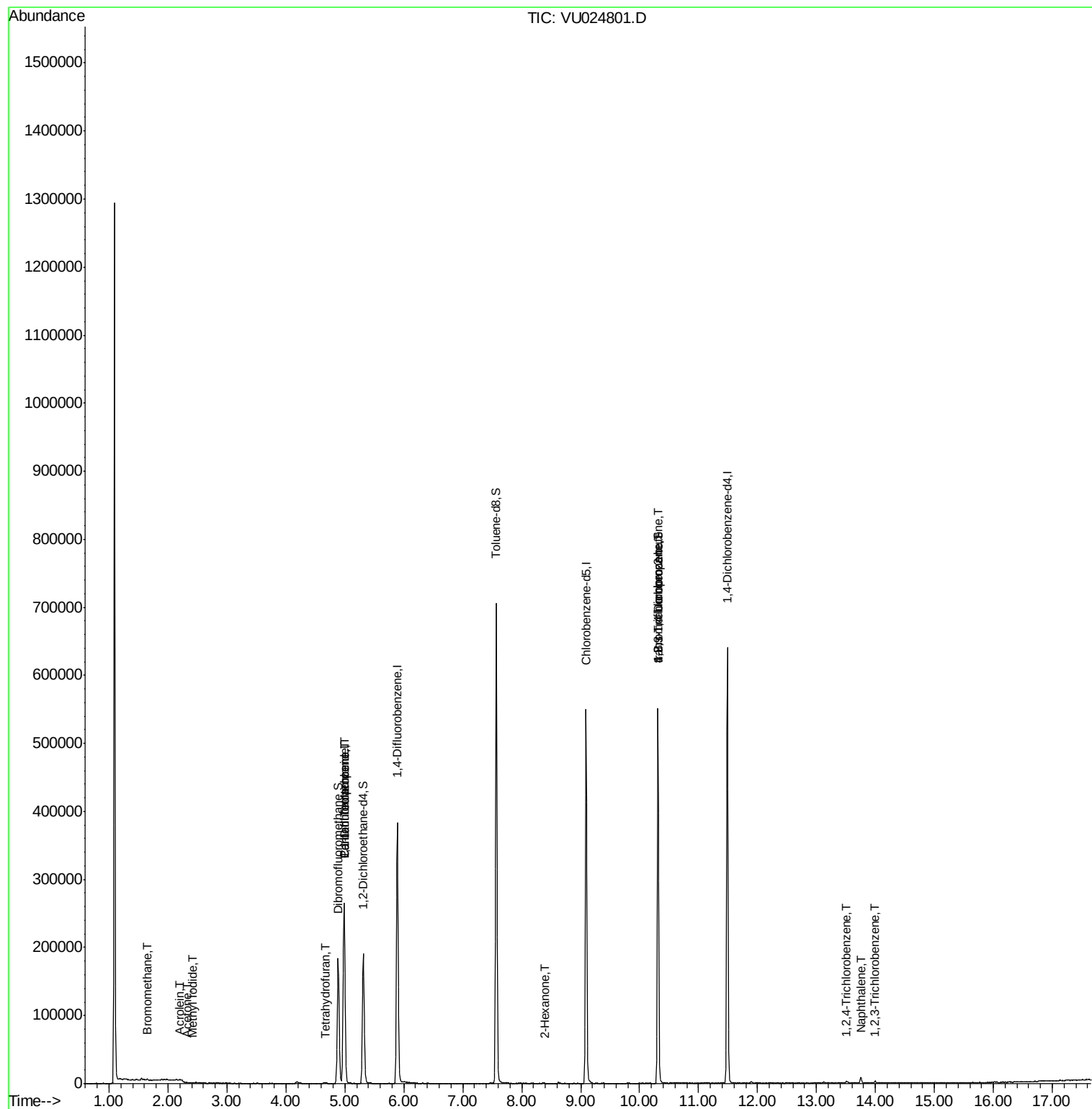
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	546	0.41	ug/l #	71
6) Chloroethane	1.69	64	269	Below Cal	#	43
10) Methyl Iodide	2.41	142	253	5.39	ug/l #	40
13) Acrolein	2.21	56	488	1.12	ug/l #	13
16) Acetone	2.32	43	1139	0.62	ug/l	90
29) Tetrahydrofuran	4.65	42	589	0.39	ug/l #	47
31) Cyclohexane	4.99	56	4470	Below Cal	#	4
36) 1,1-Dichloropropene	4.99	75	14809	3.88	ug/l #	50
38) Carbon Tetrachloride	4.99	117	20134	4.80	ug/l #	17
59) 2-Hexanone	8.38	43	808	0.22	ug/l	77
76) 1,2,3-Trichloropropane	10.31	75	89636	24.29	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	89636	56.23	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.51	180	1204	0.32	ug/l	89
95) Naphthalene	13.75	128	8145	1.33	ug/l	97
96) 1,2,3-Trichlorobenzene	13.99	180	1346	0.36	ug/l	94

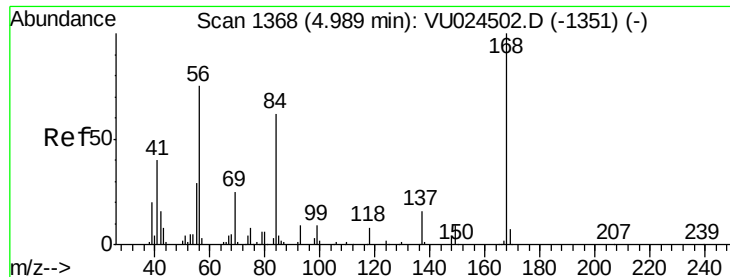
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU024801.D

Acq: 21 Jun 2018 11:04

Instrument :

MSVOA_U

ClientSampleId :

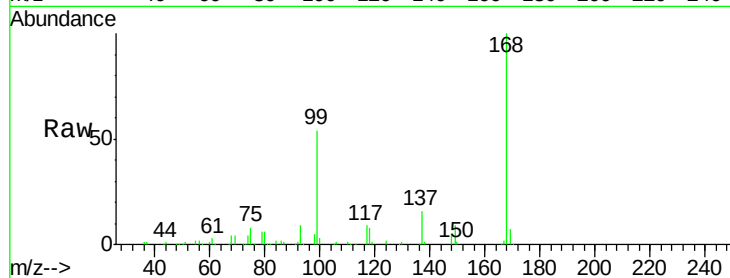
VU0621WBL01

Tot Ion:168 Resp: 208743

Ion Ratio Lower Upper

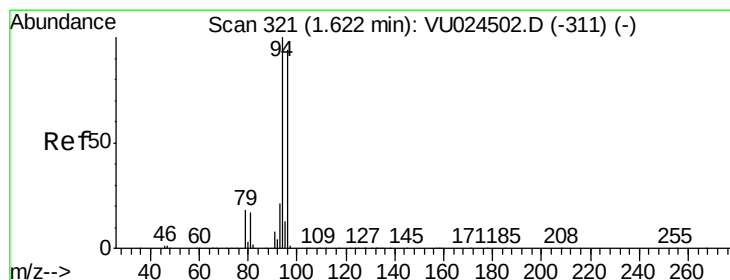
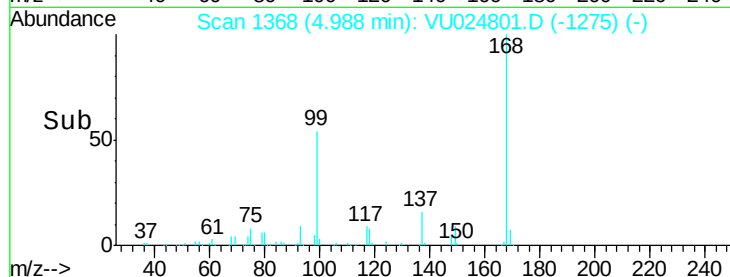
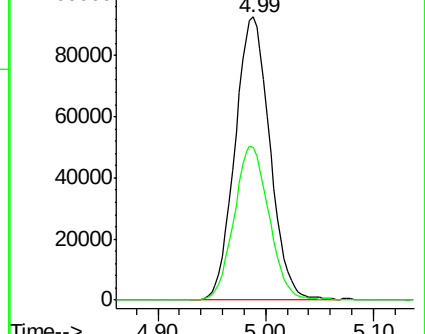
168 100

99 53.9 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) (-)



#5

Bromomethane

Concen: 0.41 ug/l

RT: 1.63 min Scan# 325

Delta R.T. 0.01 min

Lab File: VU024801.D

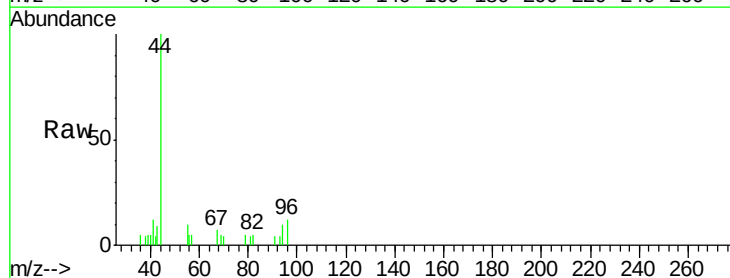
Acq: 21 Jun 2018 11:04

Tgt Ion: 94 Resp: 546

Ion Ratio Lower Upper

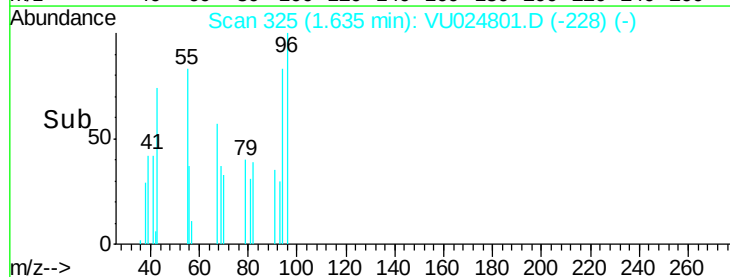
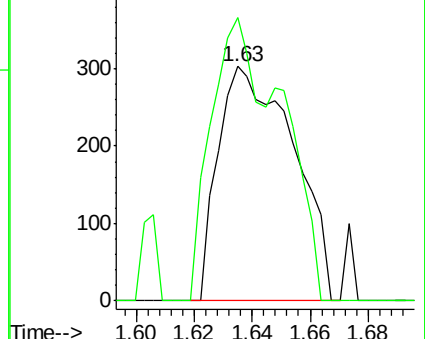
94 100

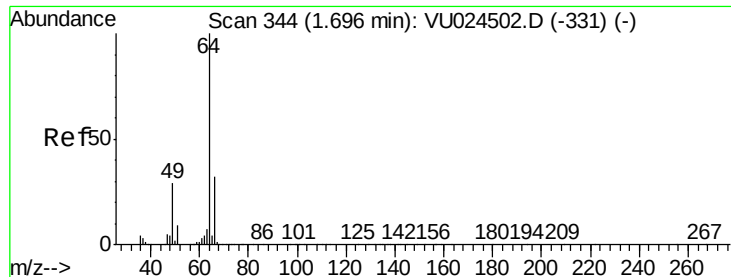
96 120.8 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VU024502.D (-311) (-)

Ion 95.90 (95.60 to 96.60): VU024502.D (-311) (-)





#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 343

Delta R.T. -0.00 min

Lab File: VU024801.D

Acq: 21 Jun 2018 11:04

Instrument :

MSVOA_U

ClientSampleId :

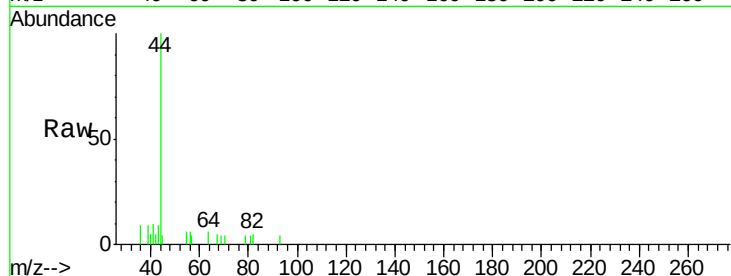
VU0621WBL01

Tot Ion: 64 Resp: 269

Ion Ratio Lower Upper

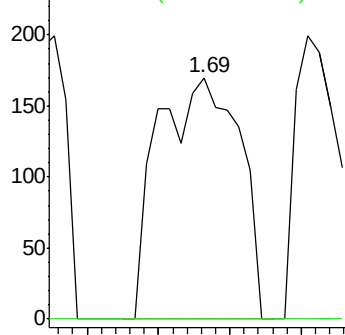
64 100

66 0.0 25.5 38.3#

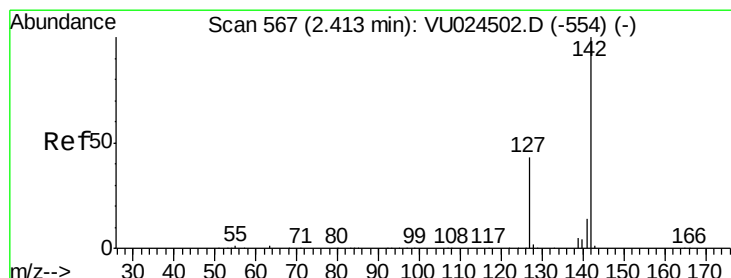
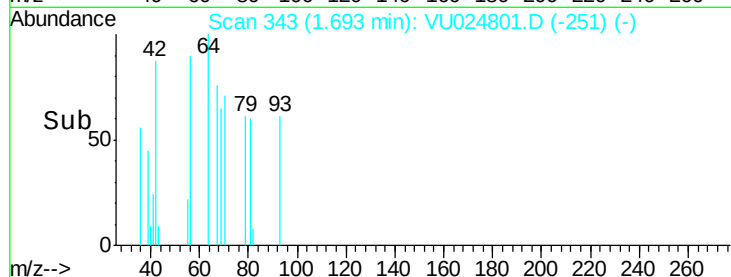


Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



Time-->



#10

Methyl Iodide

Concen: 5.39 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU024801.D

Acq: 21 Jun 2018 11:04

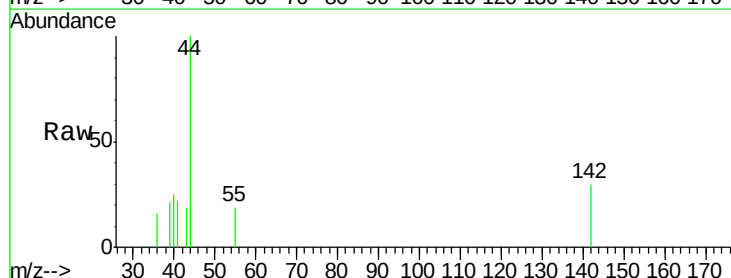
Tgt Ion: 142 Resp: 253

Ion Ratio Lower Upper

142 100

127 0.0 35.6 53.4#

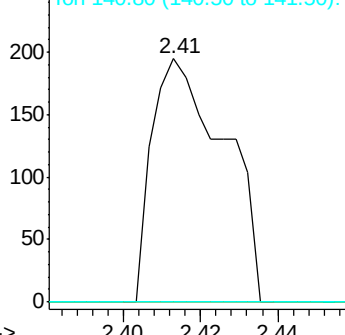
141 0.0 11.7 17.5#



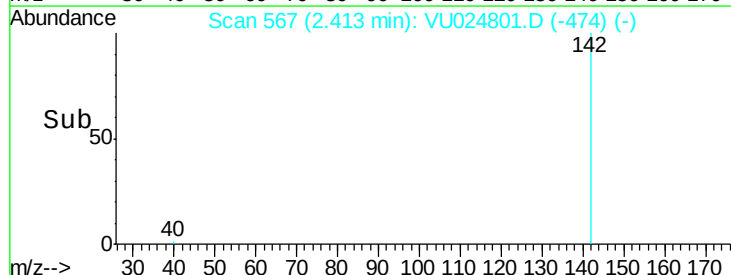
Abundance Ion 141.80 (141.50 to 142.50): V

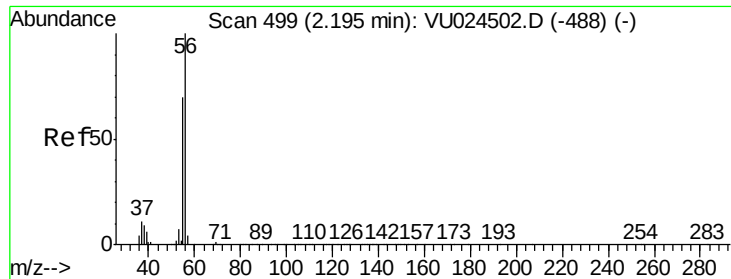
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->





#13

Acrolein

Concen: 1.12 ug/l

RT: 2.21 min Scan# 503

Delta R.T. 0.01 min

Lab File: VU024801.D

Acq: 21 Jun 2018 11:04

Instrument :

MSVOA_U

ClientSampleId :

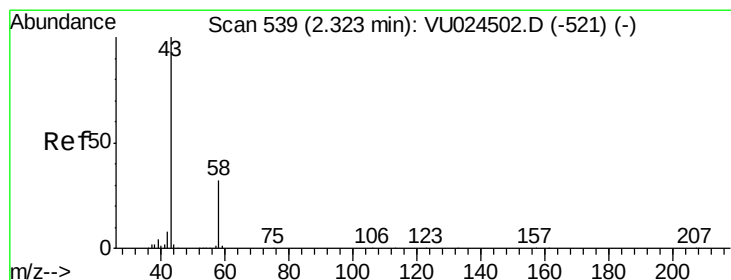
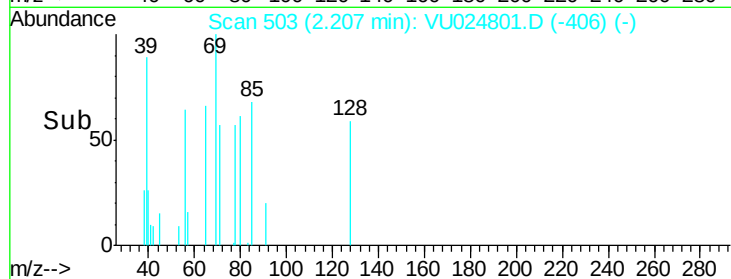
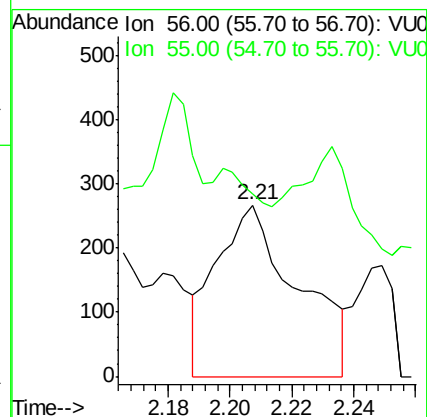
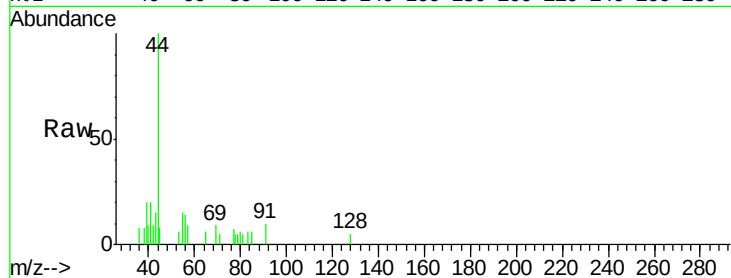
VU0621WBL01

Tot Ion: 56 Resp: 488

Ion Ratio Lower Upper

56 100

55 0.0 58.4 87.6#



#16

Acetone

Concen: 0.62 ug/l

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU024801.D

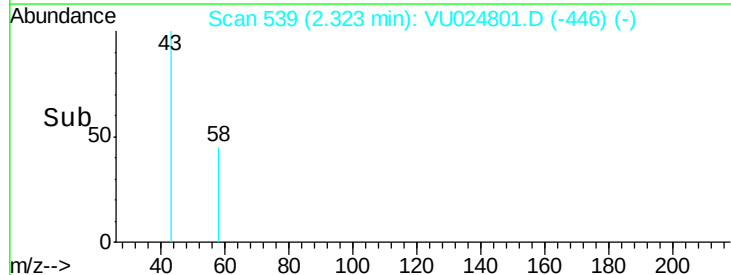
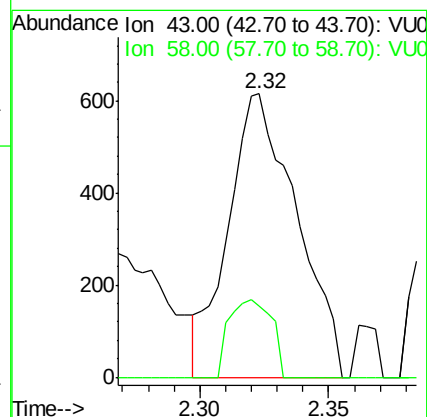
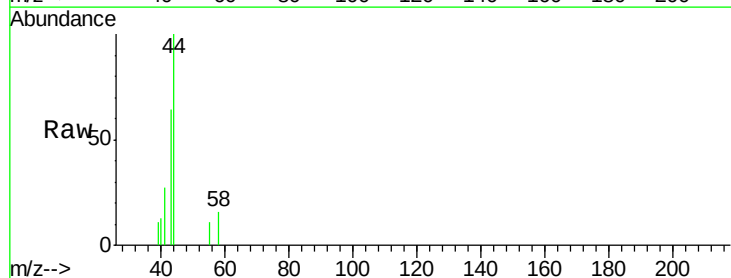
Acq: 21 Jun 2018 11:04

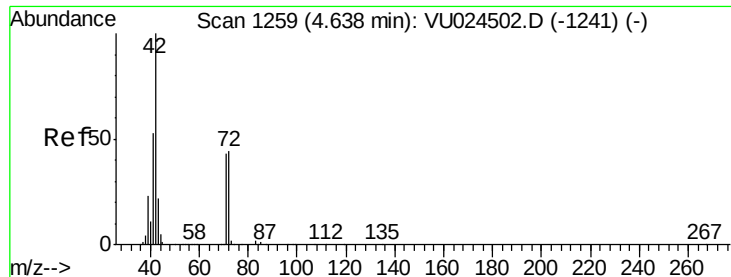
Tgt Ion: 43 Resp: 1139

Ion Ratio Lower Upper

43 100

58 25.2 24.4 36.6





#29

Tetrahydrofuran

Concen: 0.39 ug/l

RT: 4.65 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VU024801.D

Acq: 21 Jun 2018 11:04

Instrument :

MSVOA_U

ClientSampleId :

VU0621WBL01

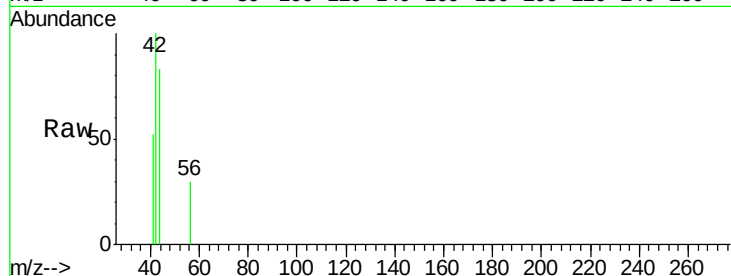
Tot Ion: 42 Resp: 589

Ion Ratio Lower Upper

42 100

72 0.0 34.5 51.7#

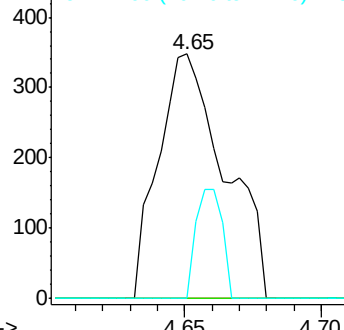
71 17.1 32.2 48.4#



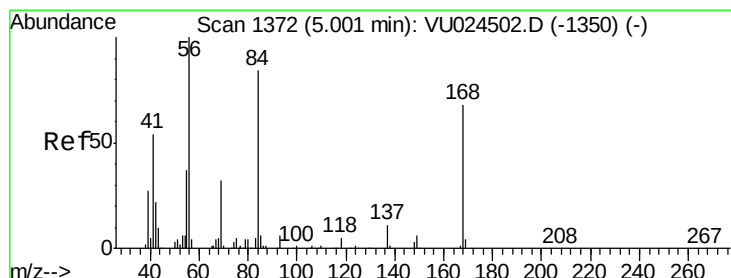
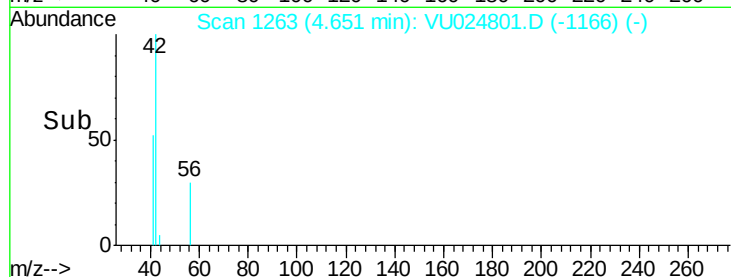
Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0



Time-->



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1367

Delta R.T. -0.02 min

Lab File: VU024801.D

Acq: 21 Jun 2018 11:04

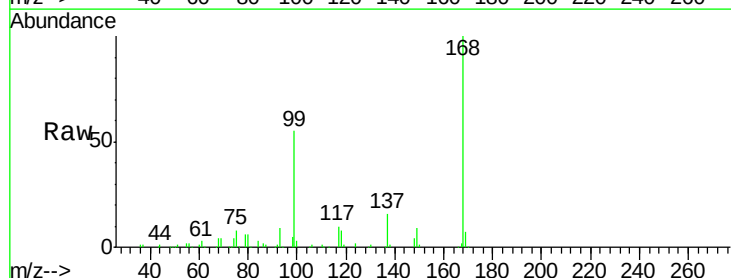
Tgt Ion: 56 Resp: 4470

Ion Ratio Lower Upper

56 100

69 164.8 24.8 37.2#

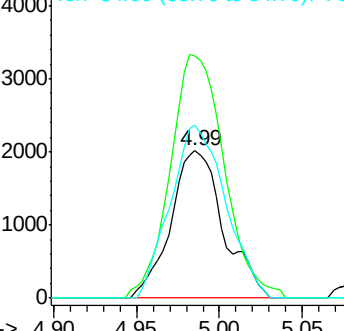
84 117.4 65.2 97.8#



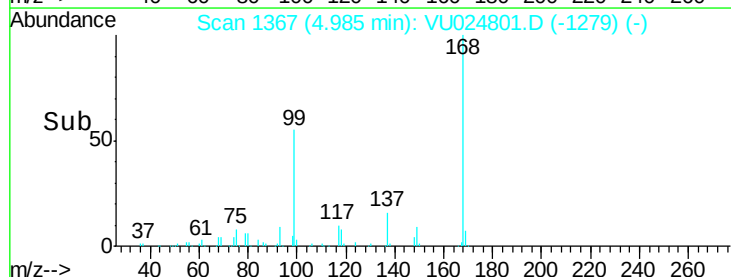
Abundance Ion 56.00 (55.70 to 56.70): VU0

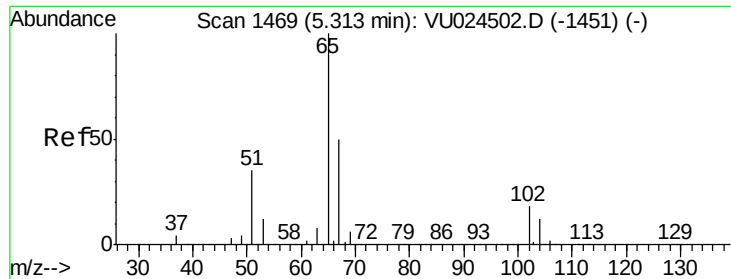
Ion 69.00 (68.70 to 69.70): VU0

Ion 84.00 (83.70 to 84.70): VU0



Time-->

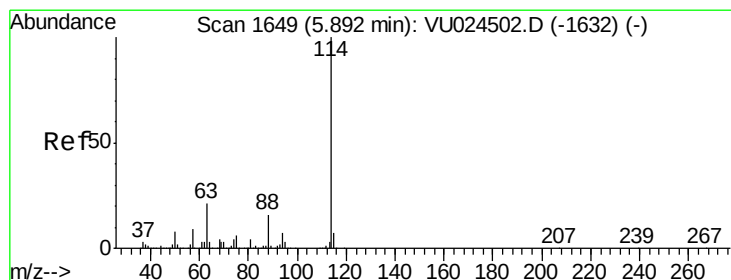
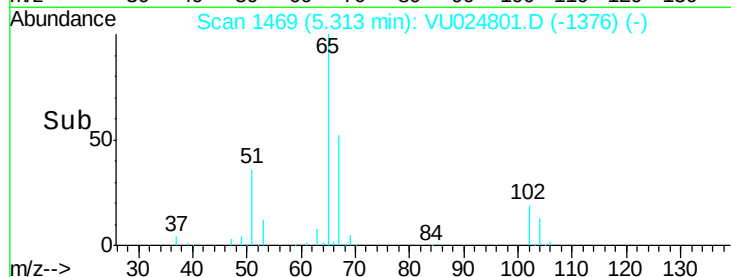
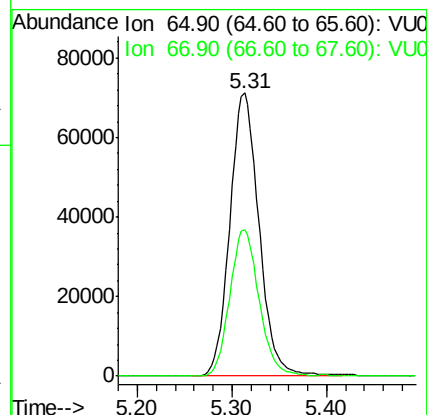
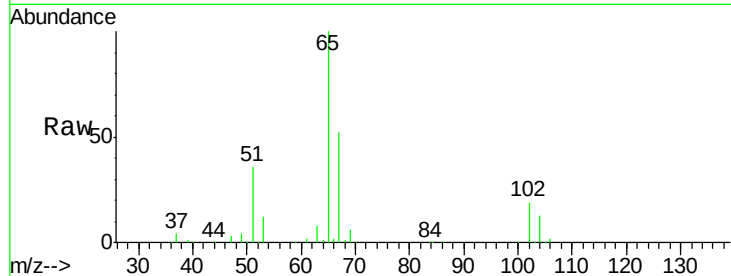




#33
 1,2-Dichloroethane-d4
 Concen: 44.81 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU024801.D
 Acq: 21 Jun 2018 11:04

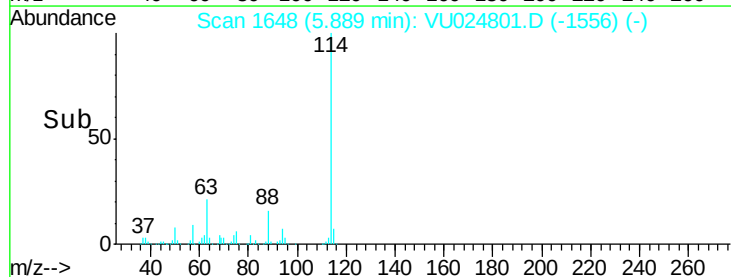
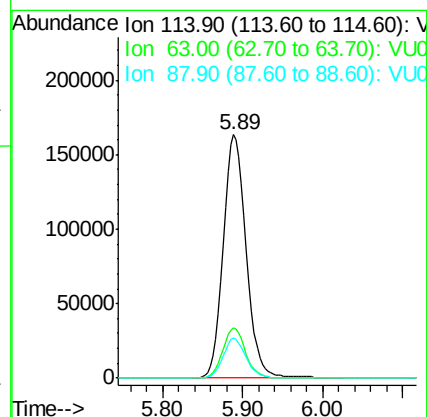
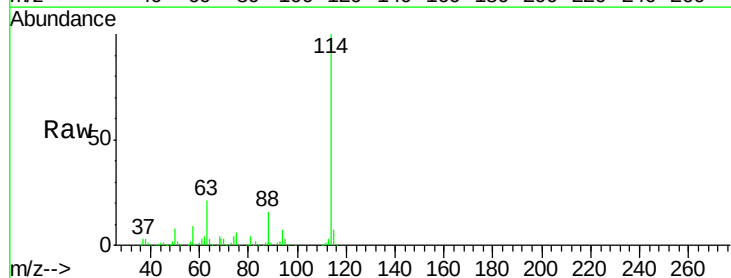
Instrument :
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 VU0621WBL01

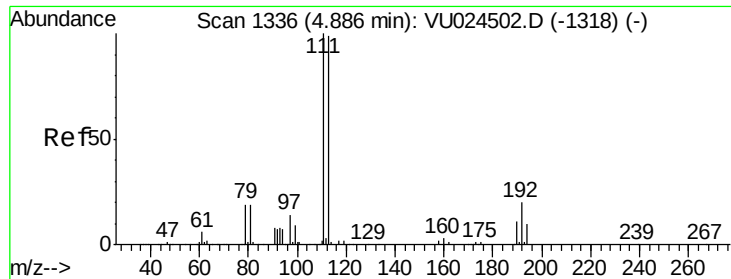
Tot Ion: 65 Resp: 152703
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024801.D
 Acq: 21 Jun 2018 11:04

Tgt Ion: 114 Resp: 324522
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 45.4
 88 16.5 0.0 31.0

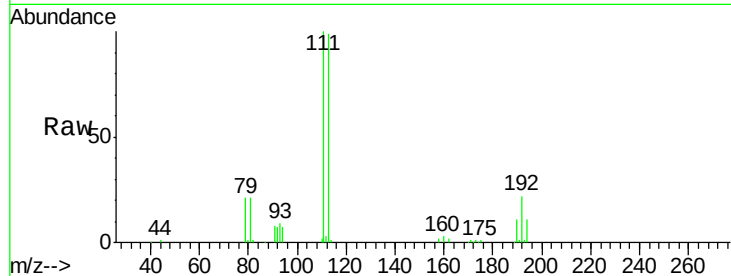




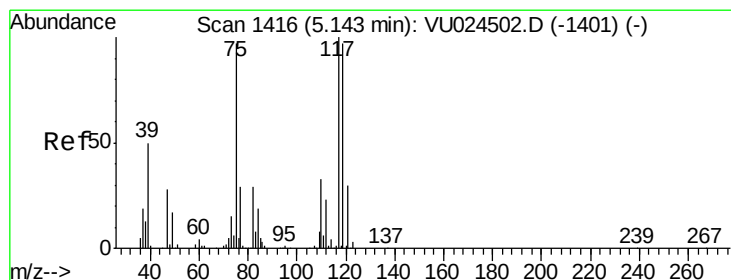
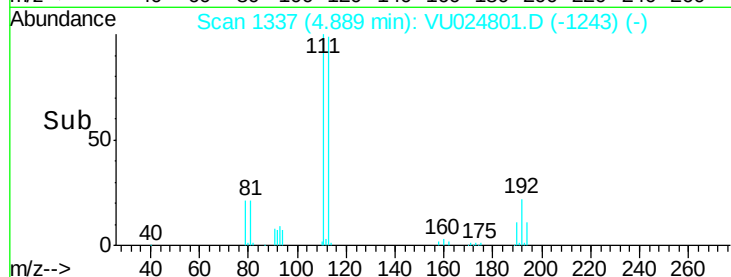
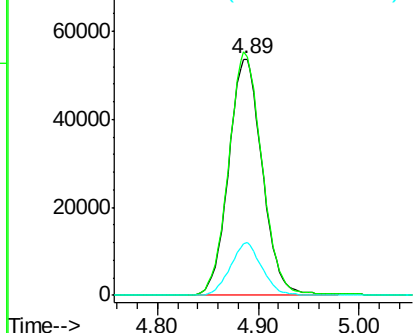
#35
 Dibromofluoromethane
 Concen: 46.33 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024801.D
 Acq: 21 Jun 2018 11:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0621WBL01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.2	123.4
192	20.9	16.2	24.4

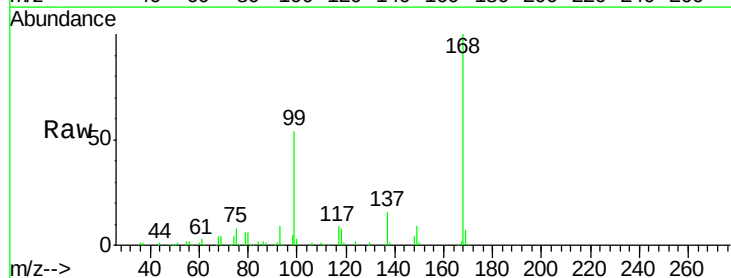


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

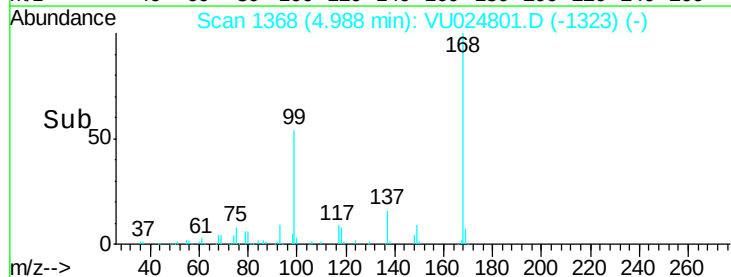
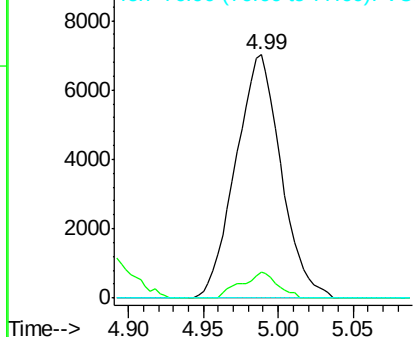


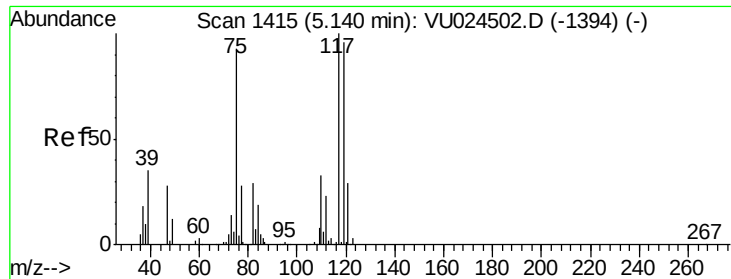
#36
 1,1-Dichloropropene
 Concen: 3.88 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU024801.D
 Acq: 21 Jun 2018 11:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	17.0	50.9#
77	0.0	24.2	36.4#



Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 4.80 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024801.D

Acq: 21 Jun 2018 11:04

Instrument :

MSVOA_U

ClientSampleId :

VU0621WBL01

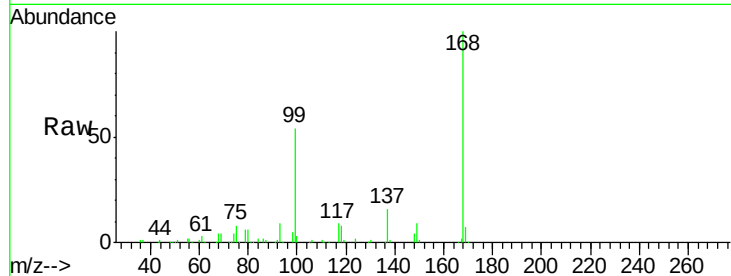
Tot Ion:117 Resp: 20134

Ion Ratio Lower Upper

117 100

119 5.7 76.1 114.1#

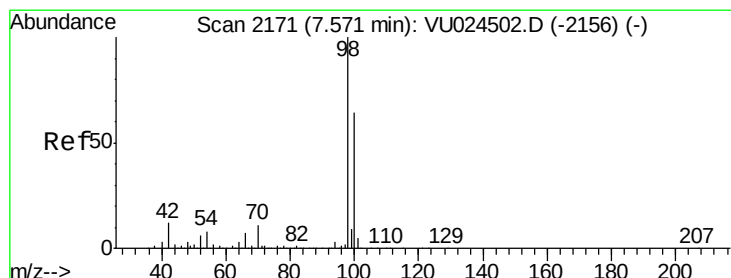
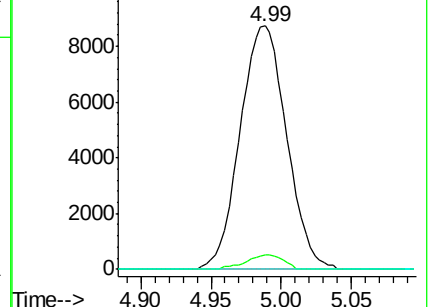
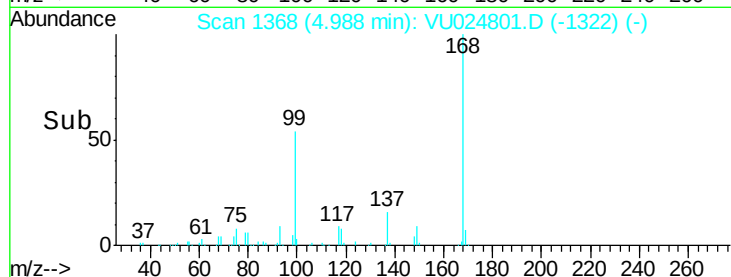
121 0.0 23.7 35.5#



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



#50

Toluene-d8

Concen: 48.03 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024801.D

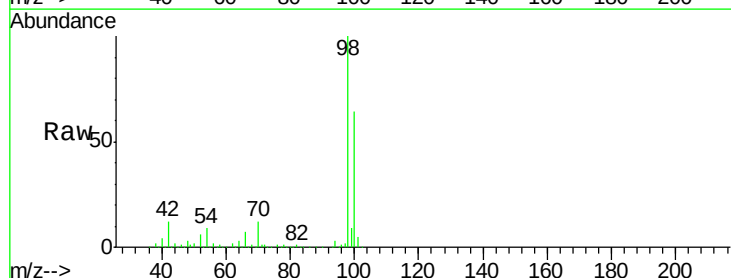
Acq: 21 Jun 2018 11:04

Tgt Ion: 98 Resp: 471875

Ion Ratio Lower Upper

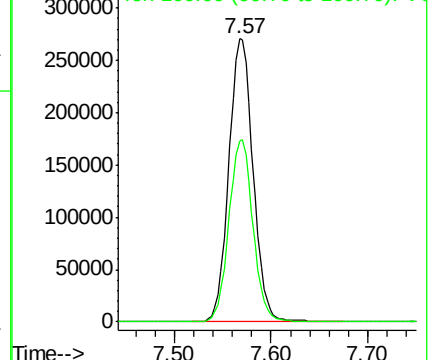
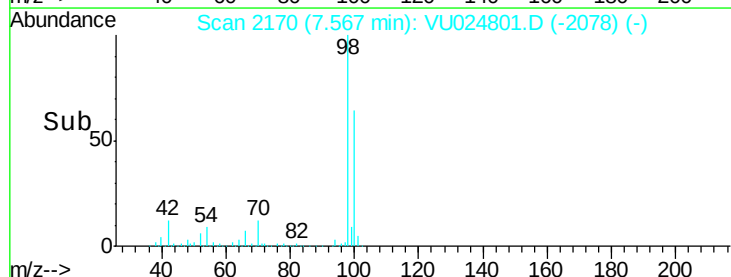
98 100

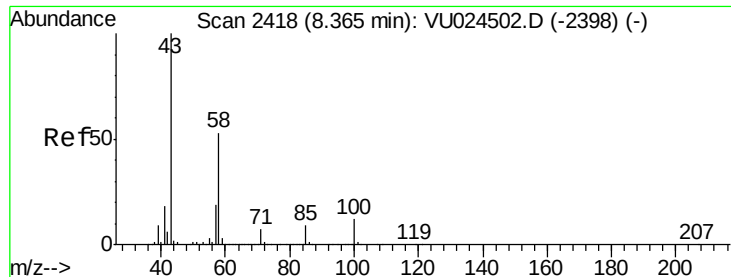
100 63.8 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU

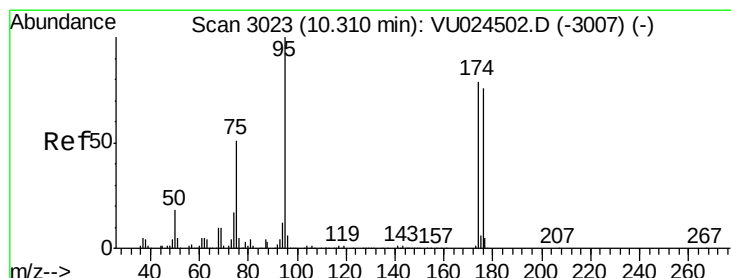
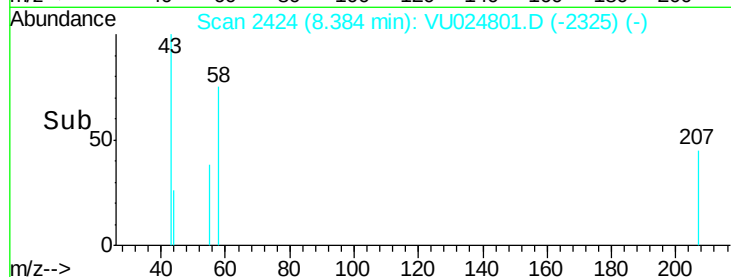
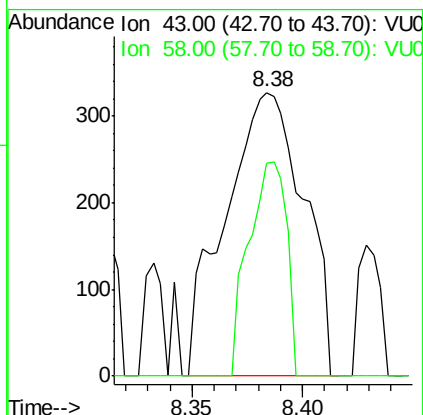
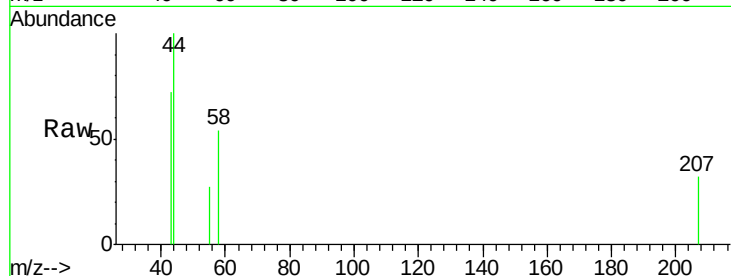




#59
2-Hexanone
Concen: 0.22 ug/l
RT: 8.38 min Scan# 2424
Delta R.T. 0.02 min
Lab File: VU024801.D
Acq: 21 Jun 2018 11:04

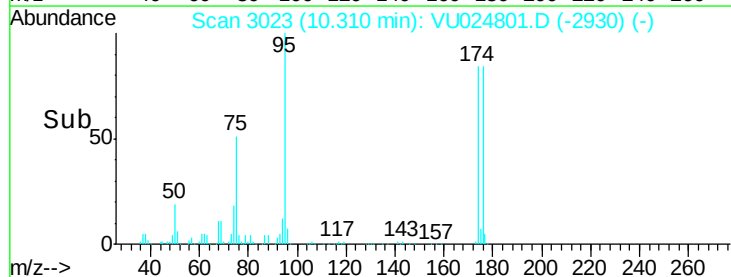
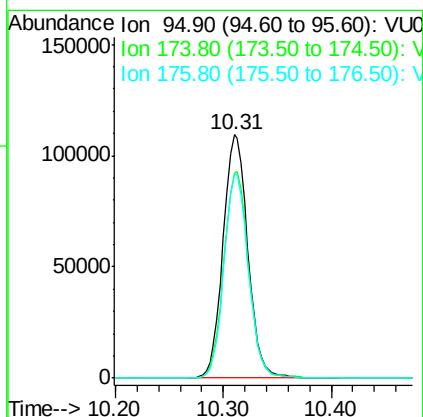
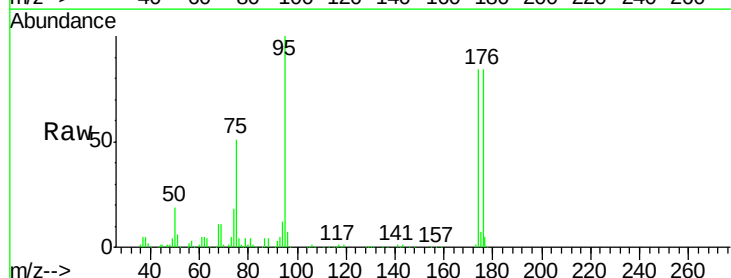
Instrument :
MSVOA_U
ClientSampleId :
VU0621WBL01

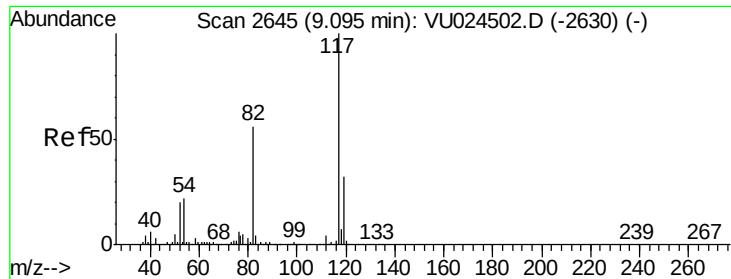
Tot Ion: 43 Resp: 808
Ion Ratio Lower Upper
43 100
58 36.3 26.4 79.0



#62
4-Bromofluorobenzene
Concen: 44.84 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU024801.D
Acq: 21 Jun 2018 11:04

Tgt Ion: 95 Resp: 174886
Ion Ratio Lower Upper
95 100
174 85.1 0.0 165.8
176 82.7 0.0 159.4

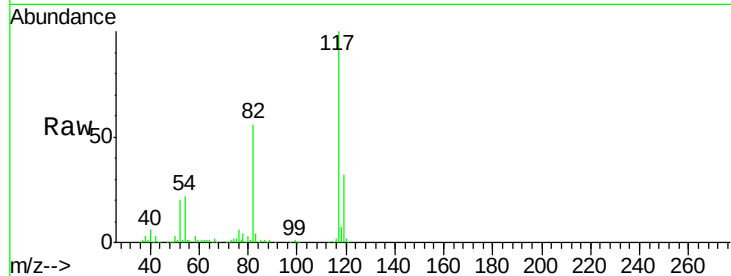




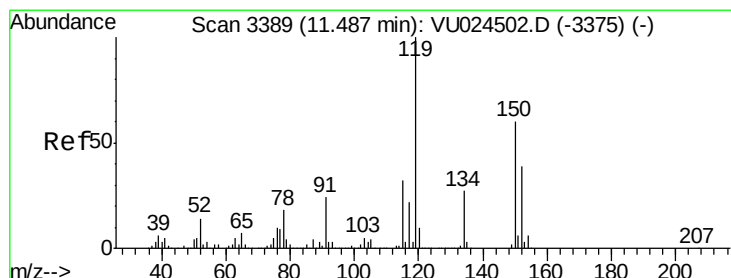
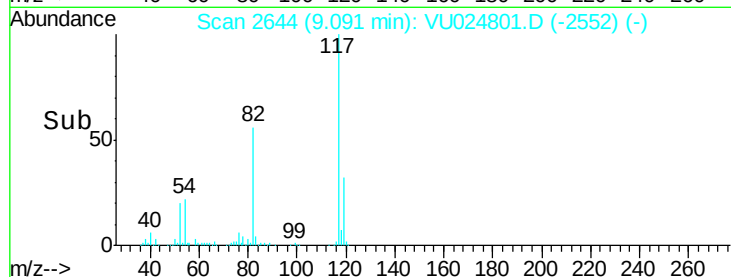
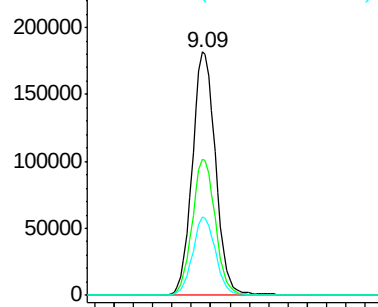
#63
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 9.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VU024801.D
 Acq: 21 Jun 2018 11:04

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0621WBL01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.9	44.3	66.5
119	32.1	25.4	38.2

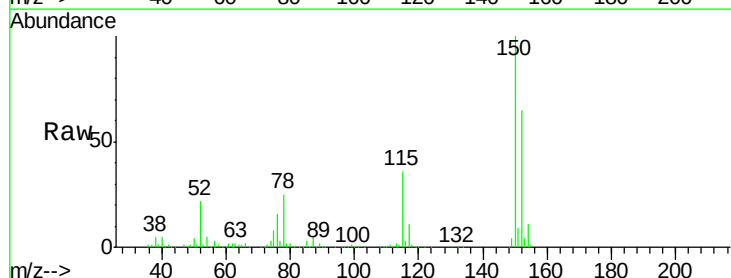


Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 82.00 (81.70 to 82.70): V
 Ion 118.90 (118.60 to 119.60): V

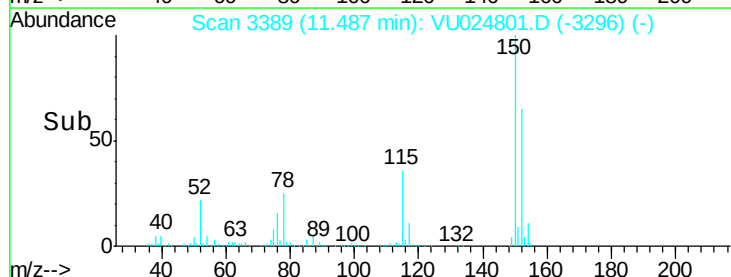
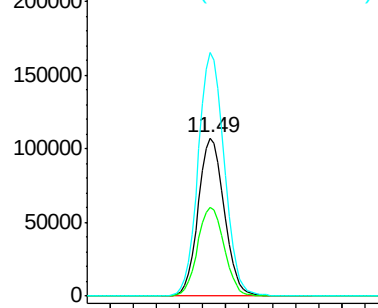


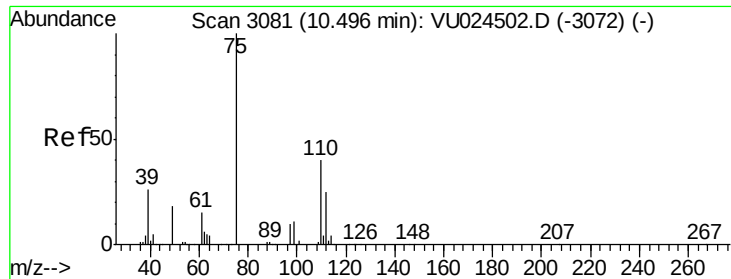
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 11.49 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VU024801.D
 Acq: 21 Jun 2018 11:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.2	43.0	129.0
150	154.3	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

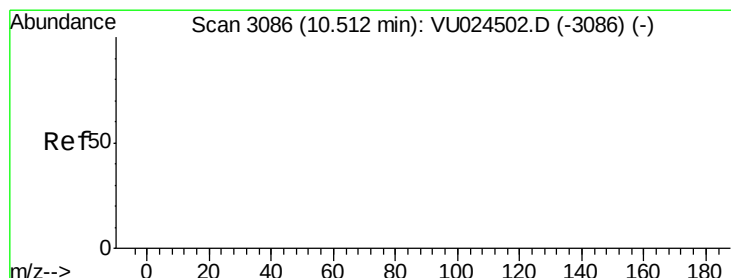
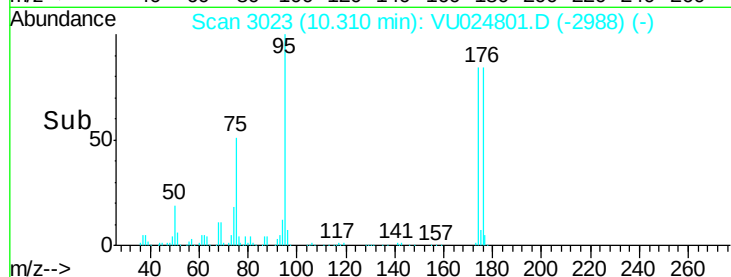
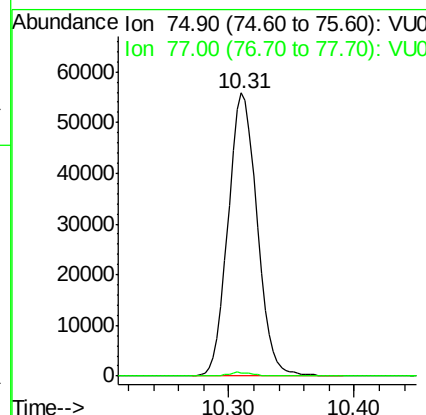
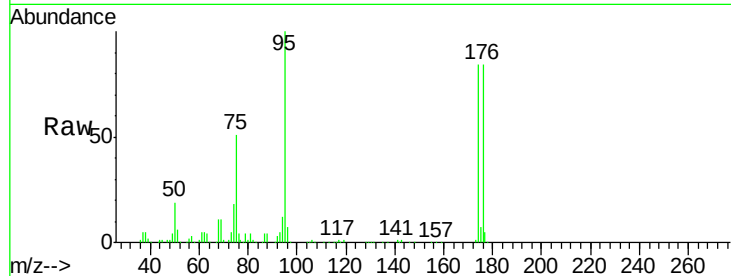




#76
 1,2,3-Trichloropropane
 Concen: 24.29 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.19 min
 Lab File: VU024801.D
 Acq: 21 Jun 2018 11:04

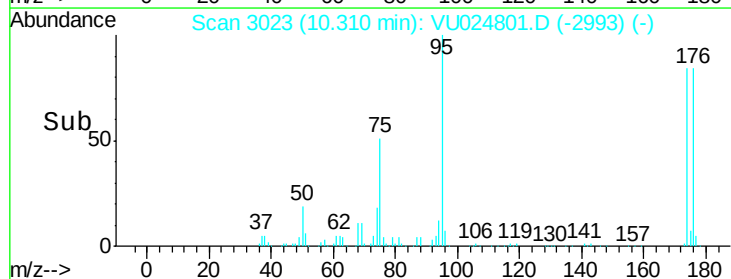
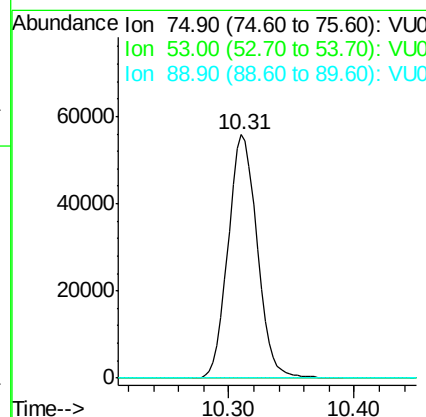
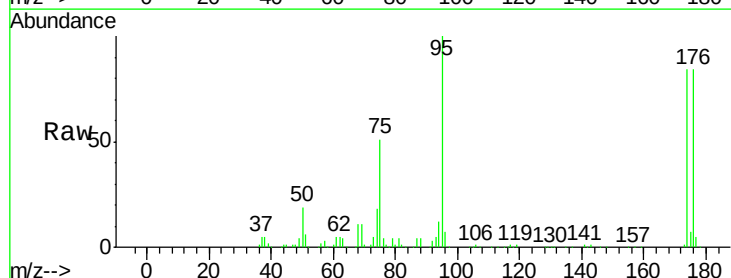
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0621WBL01

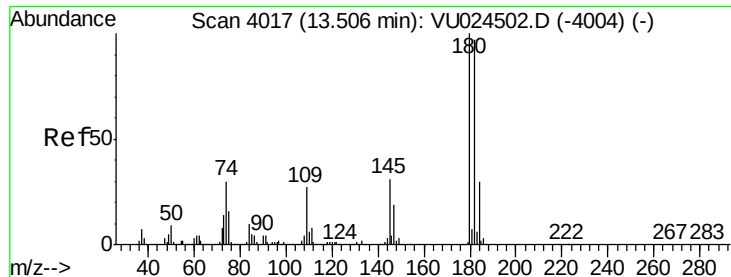
Tot Ion: 75 Resp: 89636
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.9 62.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.23 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.20 min
 Lab File: VU024801.D
 Acq: 21 Jun 2018 11:04

Tgt Ion: 75 Resp: 89636
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0

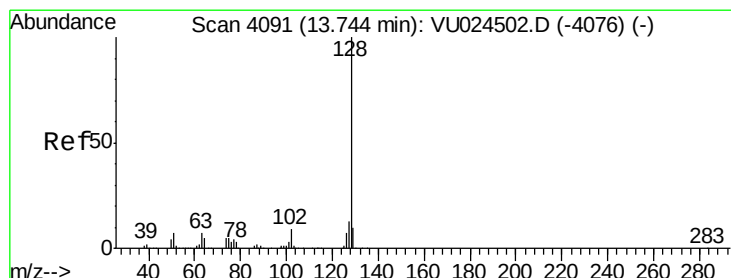
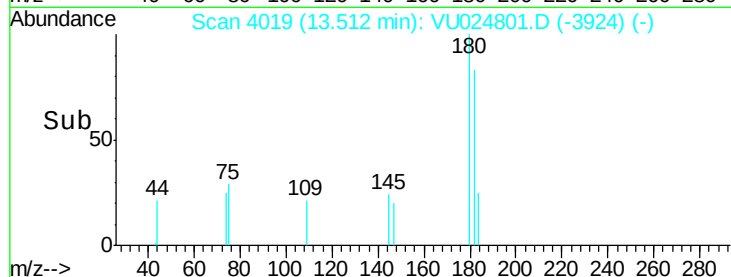
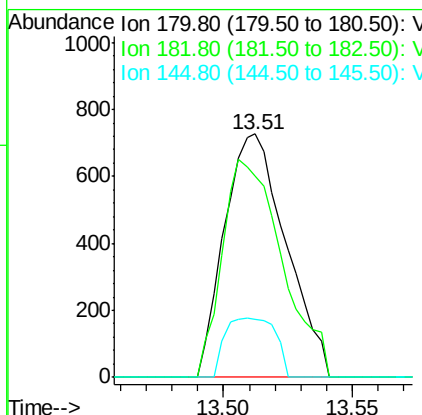
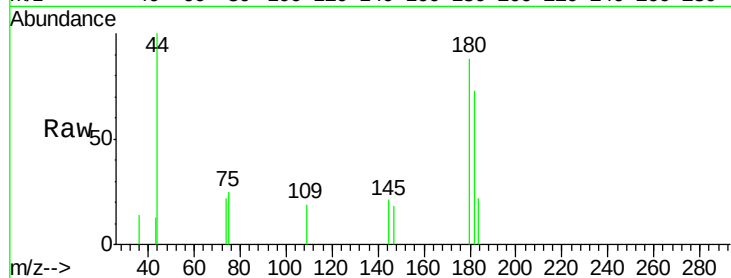




#93
 1,2,4-Trichlorobenzene
 Concen: 0.32 ug/l
 RT: 13.51 min Scan# 4019
 Delta R.T. 0.01 min
 Lab File: VU024801.D
 Acq: 21 Jun 2018 11:04

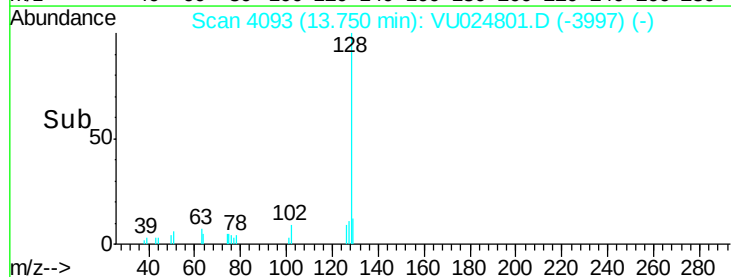
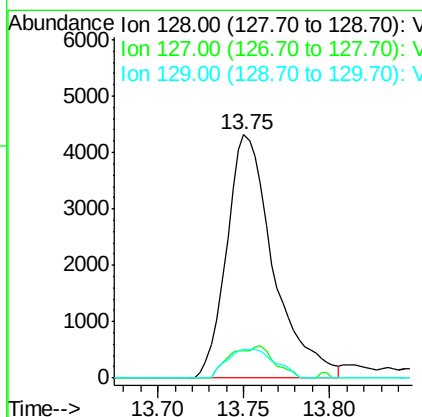
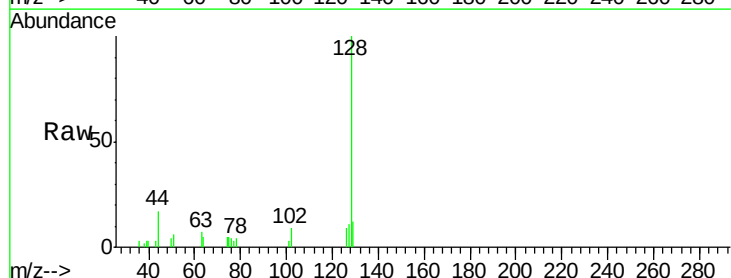
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0621WBL01

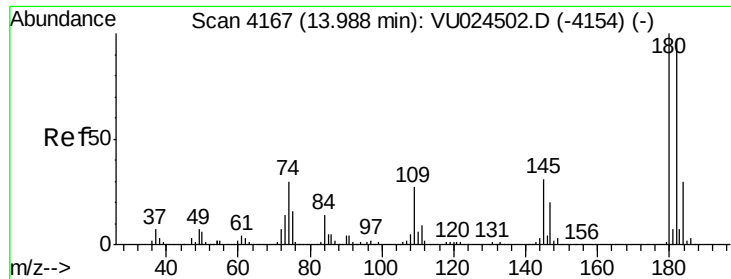
Tot Ion:180 Resp: 1204
 Ion Ratio Lower Upper
 180 100
 182 87.0 48.0 144.2
 145 19.7 14.7 44.1



#95
 Naphthalene
 Concen: 1.33 ug/l
 RT: 13.75 min Scan# 4093
 Delta R.T. 0.01 min
 Lab File: VU024801.D
 Acq: 21 Jun 2018 11:04

Tgt Ion:128 Resp: 8145
 Ion Ratio Lower Upper
 128 100
 127 12.5 10.6 16.0
 129 12.1 8.6 12.8





#96

1,2,3-Trichlorobenzene

Concen: 0.36 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU024801.D

Acq: 21 Jun 2018 11:04

Instrument :

MSVOA_U

ClientSampleId :

VU0621WBL01

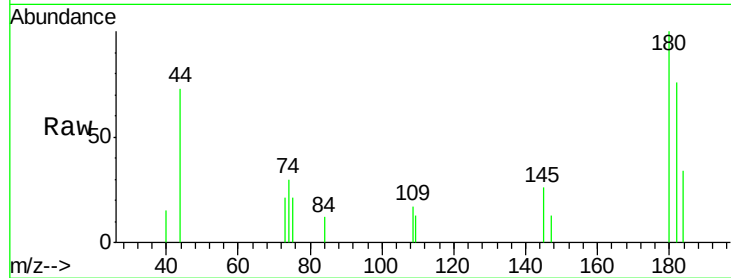
Tot Ion:180 Resp: 1346

Ion Ratio Lower Upper

180 100

182 102.6 47.9 143.7

145 29.7 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

