

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062318\
 Data File : VU024851.D
 Acq On : 22 Jun 2018 23:04
 Operator : MD/SY
 Sample : J3662-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 23 02:17:21 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	194281	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	296230	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	278000	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	147256	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	142330	44.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.76%	
35) Dibromofluoromethane	4.89	113	113948	46.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.70%	
50) Toluene-d8	7.57	98	433740	48.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.74%	
62) 4-Bromofluorobenzene	10.31	95	158121	44.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.82%	

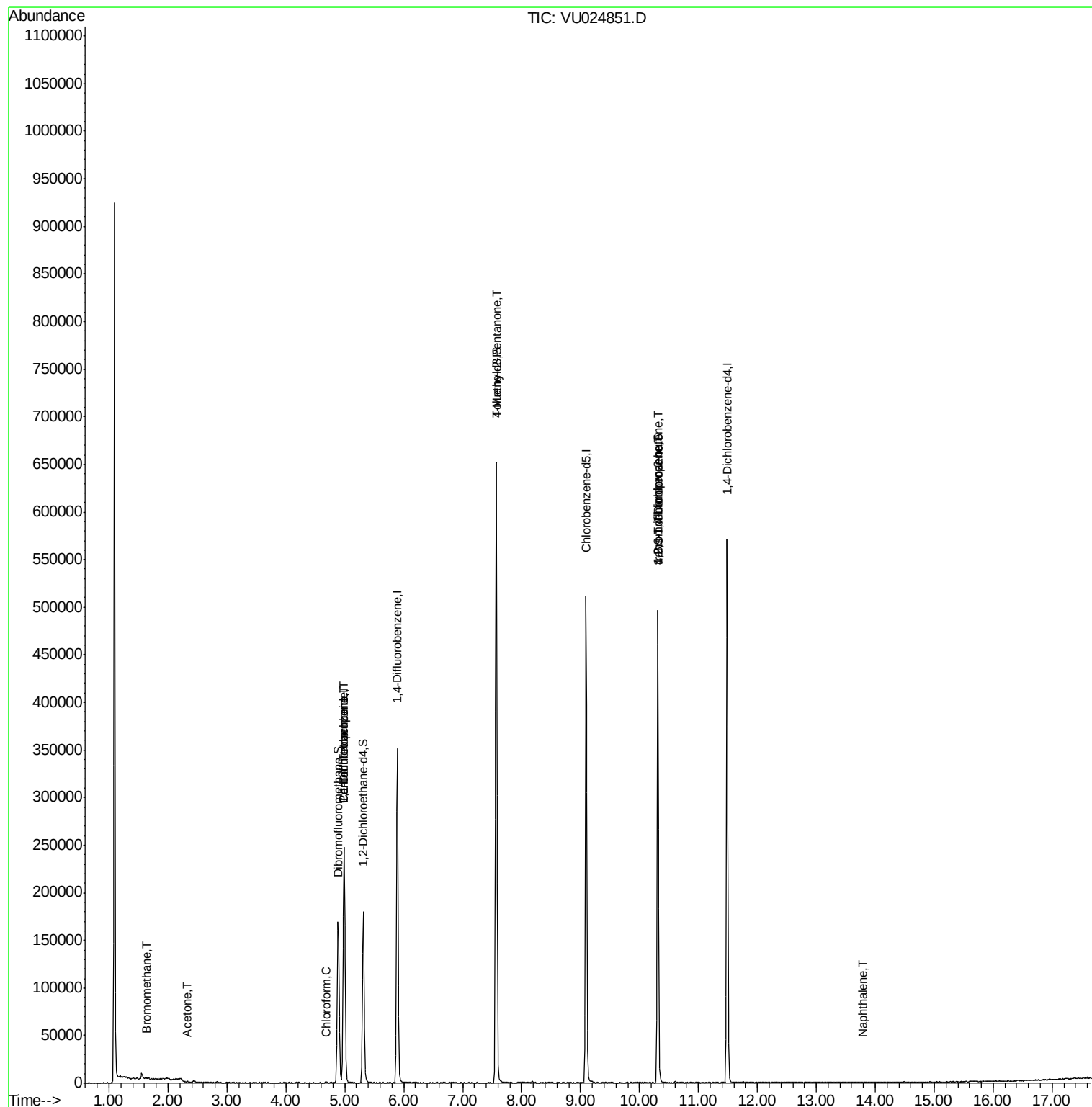
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	415	0.34	ug/l	# 64
6) Chloroethane	1.67	64	143	Below	Cal	# 43
16) Acetone	2.32	43	1060	0.62	ug/l	# 44
30) Chloroform	4.69	83	1401	0.30	ug/l	# 93
31) Cyclohexane	4.99	56	3944	Below	Cal	# 1
36) 1,1-Dichloropropene	4.99	75	13672	3.93	ug/l	# 50
38) Carbon Tetrachloride	4.99	117	18158	4.74	ug/l	# 15
51) 4-Methyl-2-Pentanone	7.57	43	2315	0.56	ug/l	# 1
76) 1,2,3-Trichloropropane	10.31	75	82585	25.47	ug/l	# 35
81) trans-1,4-Dichloro-2-buten	10.31	75	82585	58.96	ug/l	# 100
95) Naphthalene	13.78	128	62	0.68	ug/l	# 69

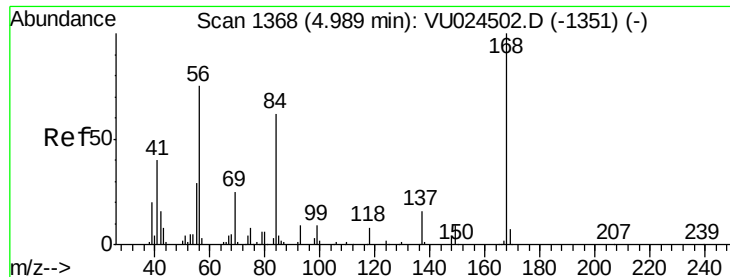
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
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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: VU024851.D

Acq: 22 Jun 2018 23:04

Instrument :

MSVOA_U

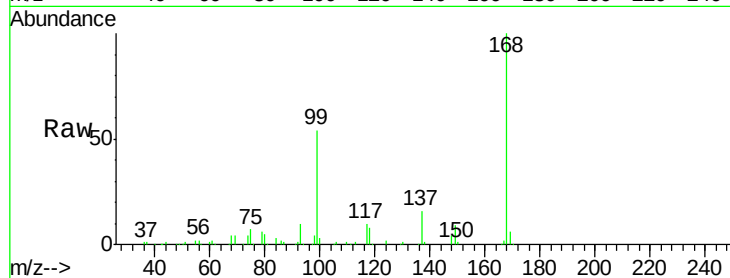
ClientSampleId :

Tot Ion:168 Resp: 194281

Ion Ratio Lower Upper

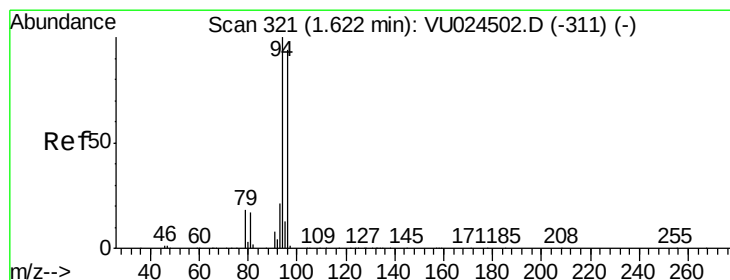
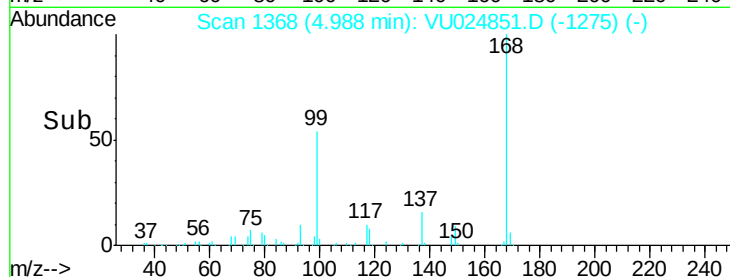
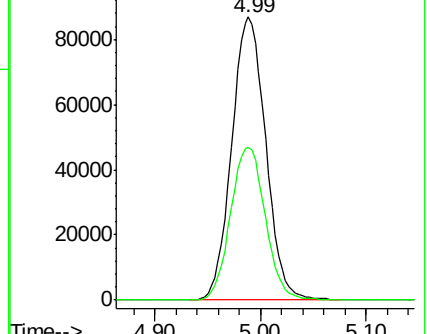
168 100

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) (-)



#5

Bromomethane

Concen: 0.34 ug/l

RT: 1.64 min Scan# 326

Delta R.T. 0.02 min

Lab File: VU024851.D

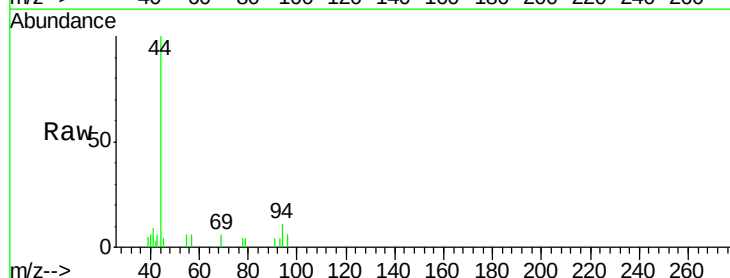
Acq: 22 Jun 2018 23:04

Tgt Ion: 94 Resp: 415

Ion Ratio Lower Upper

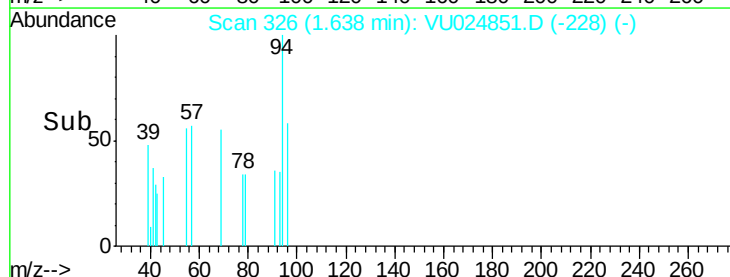
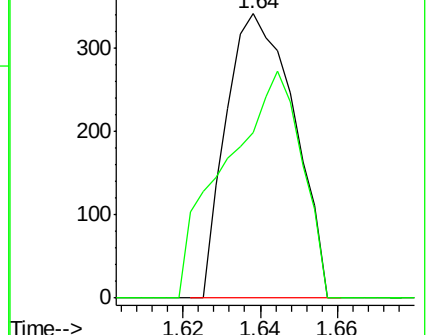
94 100

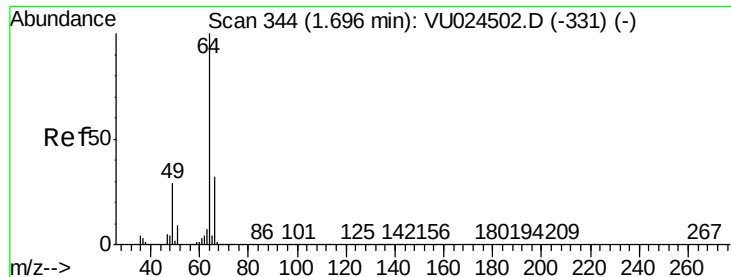
96 58.2 74.5 111.7#



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: 1.67 min Scan# 337

Delta R.T. -0.02 min

Lab File: VU024851.D

Acq: 22 Jun 2018 23:04

Instrument :

MSVOA_U

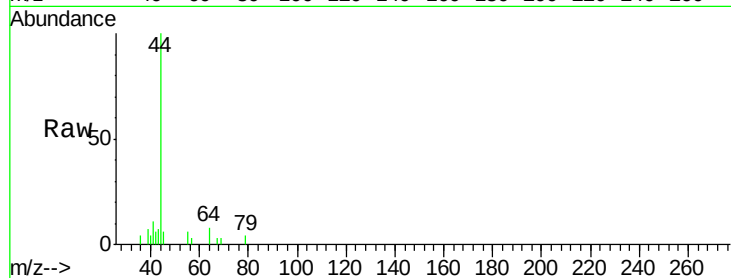
ClientSampleId :

Tot Ion: 64 Resp: 143

Ion Ratio Lower Upper

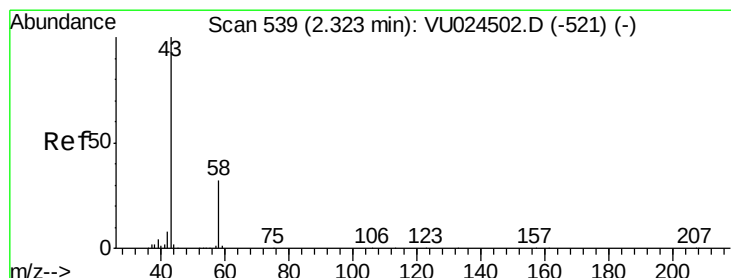
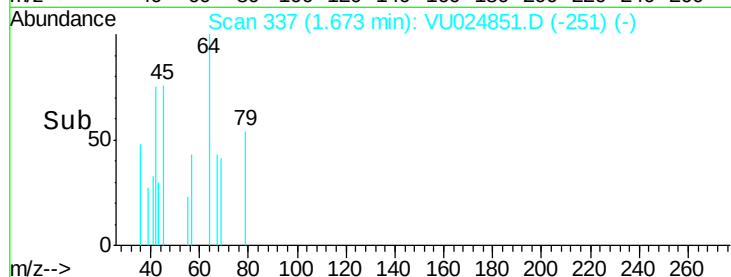
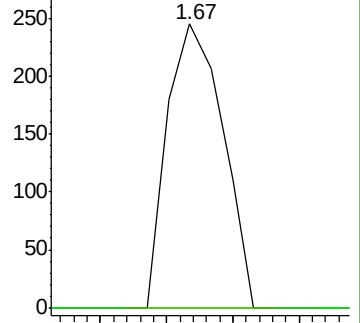
64 100

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



#16

Acetone

Concen: 0.62 ug/l

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU024851.D

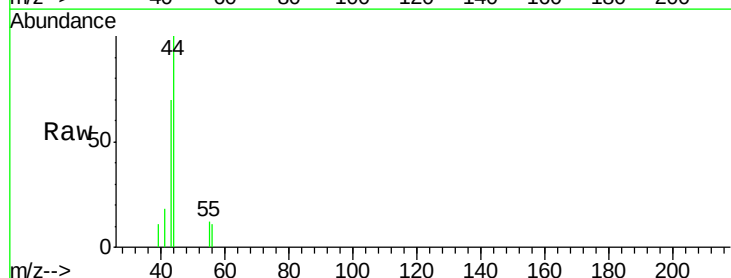
Acq: 22 Jun 2018 23:04

Tgt Ion: 43 Resp: 1060

Ion Ratio Lower Upper

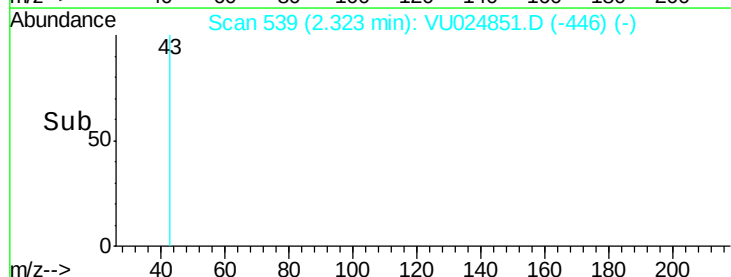
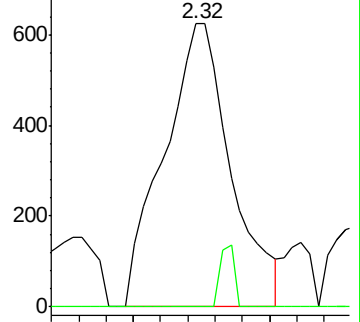
43 100

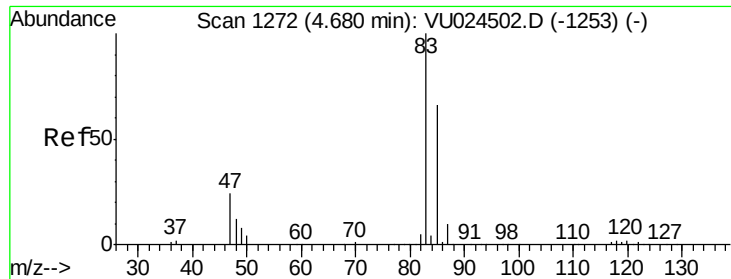
58 0.0 24.4 36.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

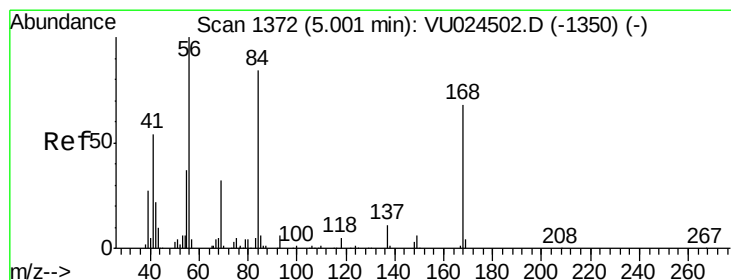
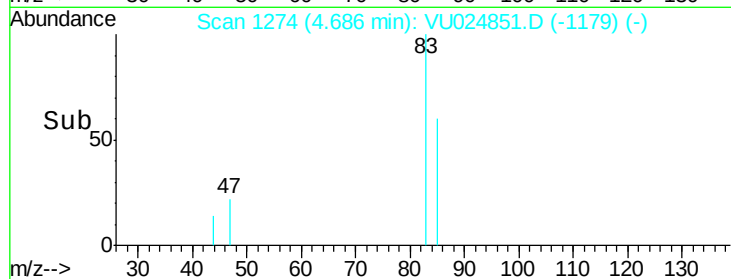
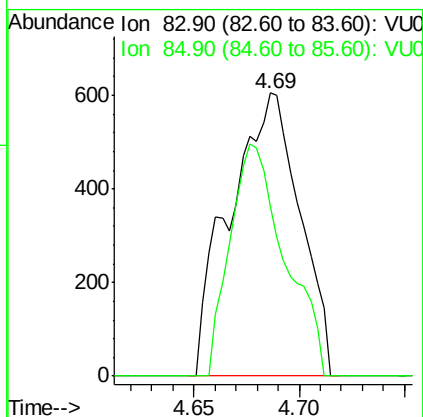
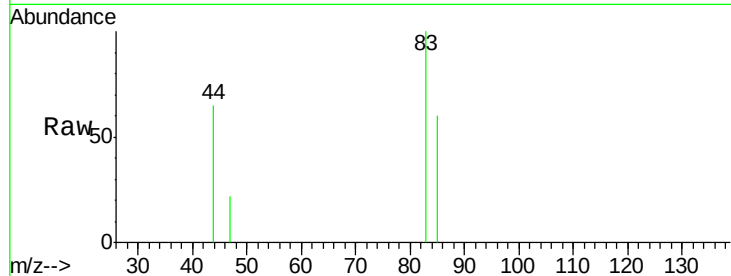




#30
Chloroform
Concen: 0.30 ua/l
RT: 4.69 min Scan# 1274
Delta R.T. 0.01 min
Lab File: VU024851.D
Acq: 22 Jun 2018 23:04

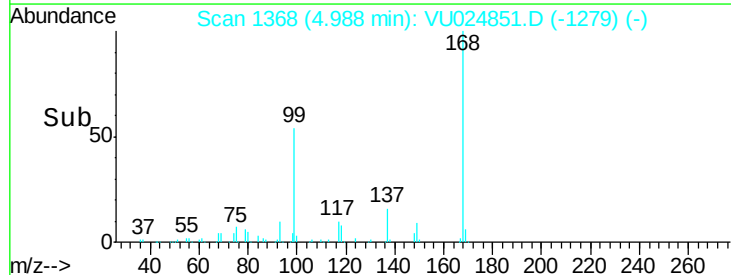
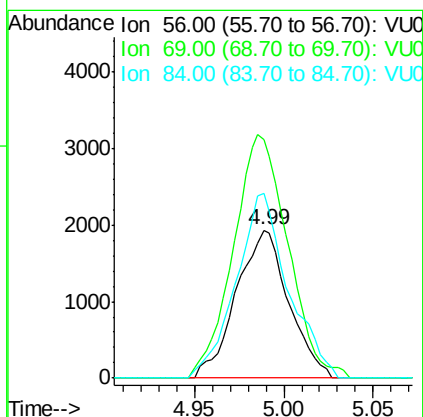
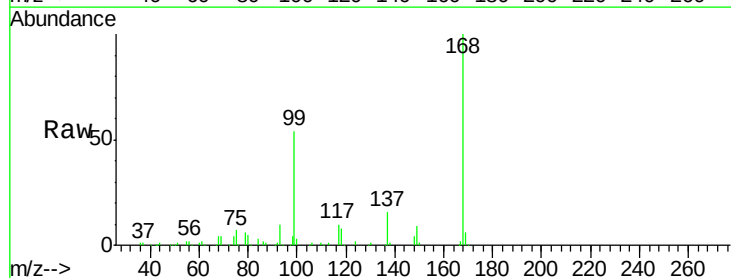
Instrument :
MSVOA_U
ClientSampleId :

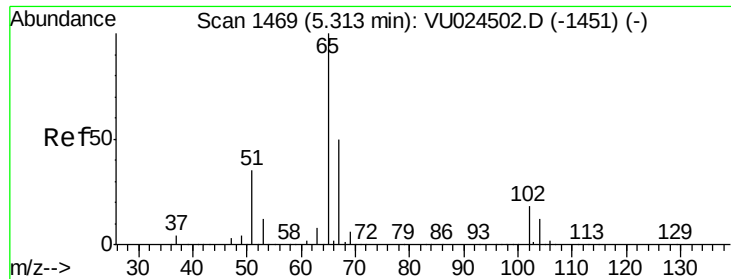
Tot Ion: 83 Resp: 1401
Ion Ratio Lower Upper
83 100
85 59.7 52.4 78.6



#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VU024851.D
Acq: 22 Jun 2018 23:04

Tgt Ion: 56 Resp: 3944
Ion Ratio Lower Upper
56 100
69 161.8 24.8 37.2#
84 124.9 65.2 97.8#

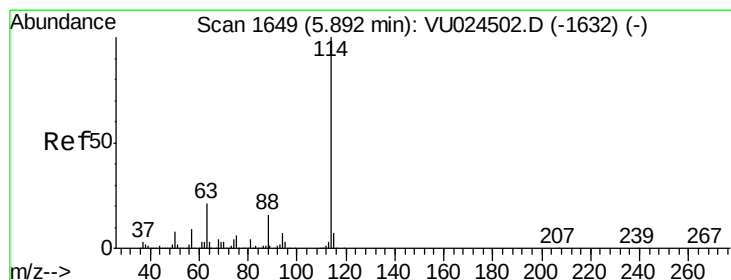
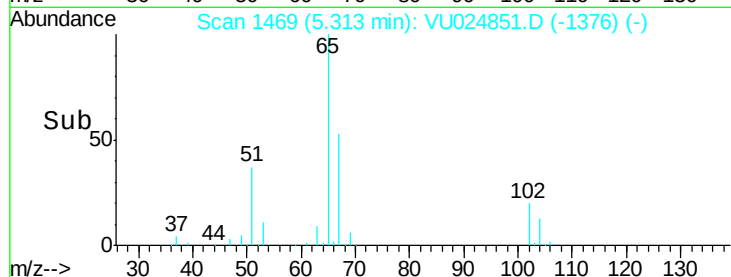
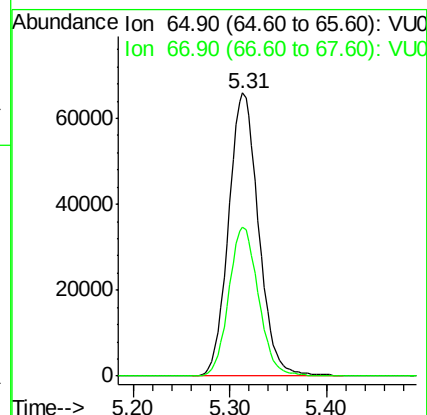
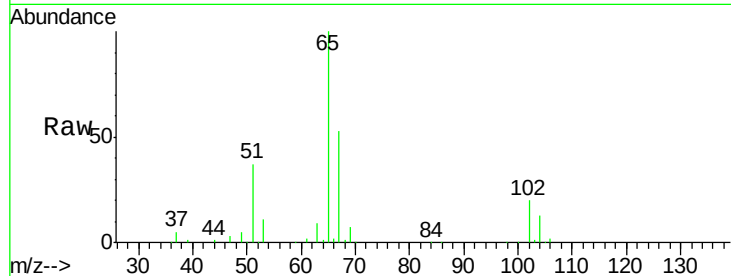




#33
 1,2-Dichloroethane-d4
 Concen: 44.88 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU024851.D
 Acq: 22 Jun 2018 23:04

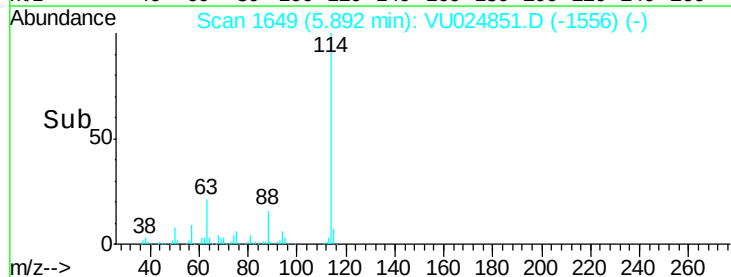
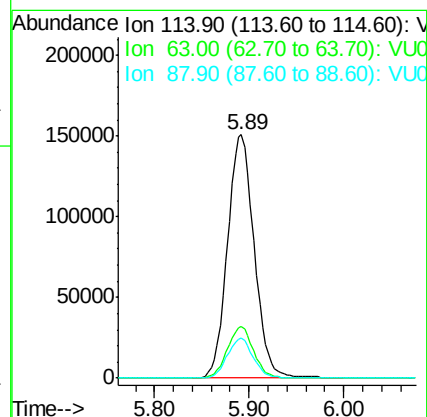
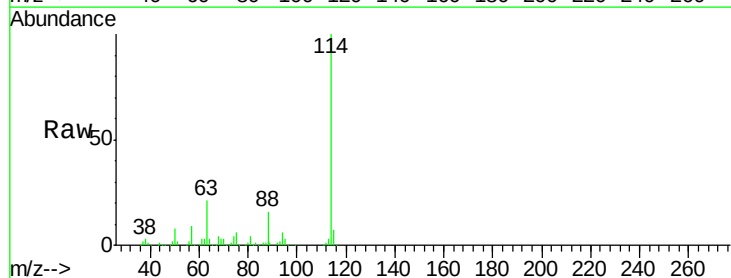
Instrument :
 MSVOA_U
 ClientSampleId :

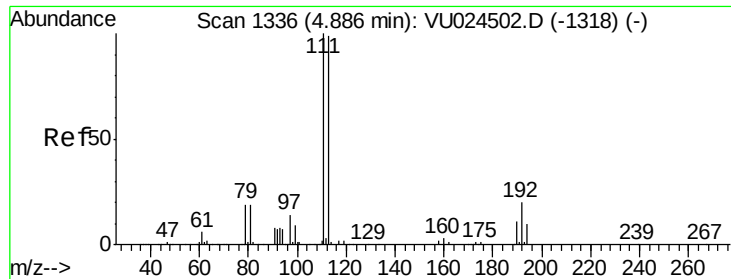
Tot Ion: 65 Resp: 142330
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU024851.D
 Acq: 22 Jun 2018 23:04

Tgt Ion: 114 Resp: 296230
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 45.4
 88 16.2 0.0 31.0

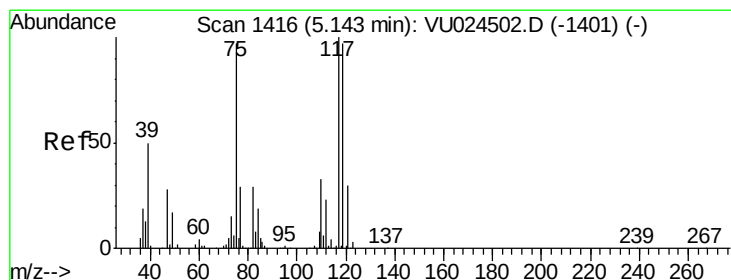
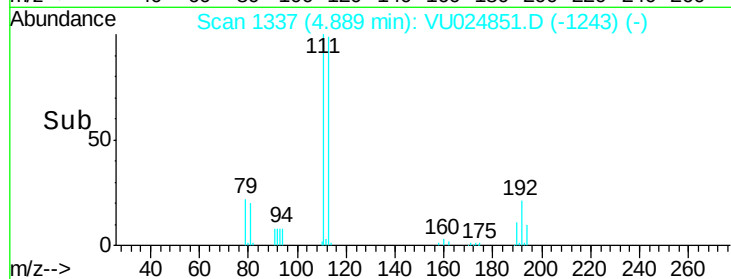
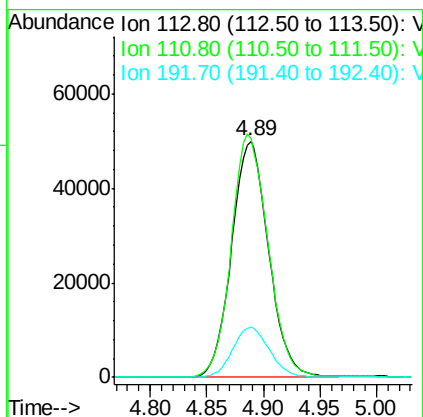
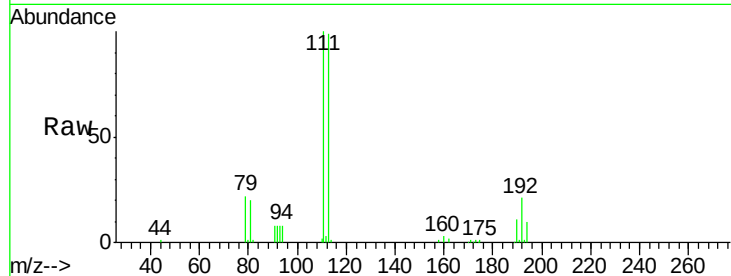




#35
 Dibromofluoromethane
 Concen: 46.35 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024851.D
 Acq: 22 Jun 2018 23:04

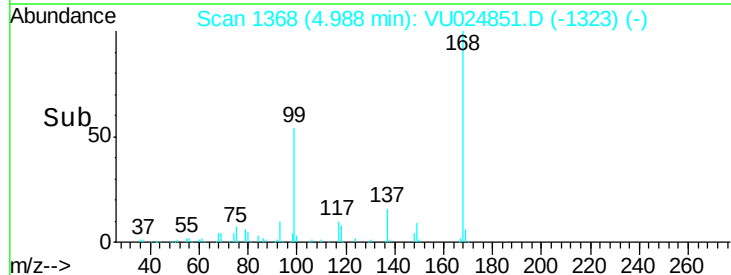
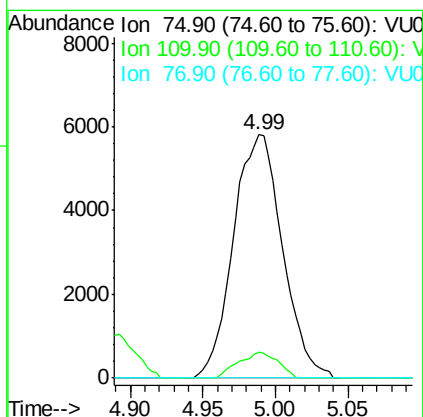
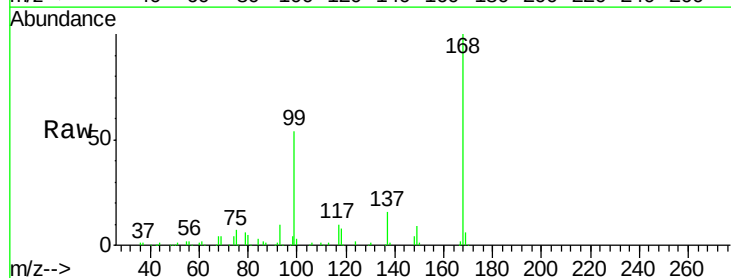
Instrument :
 MSVOA_U
 ClientSampleId :

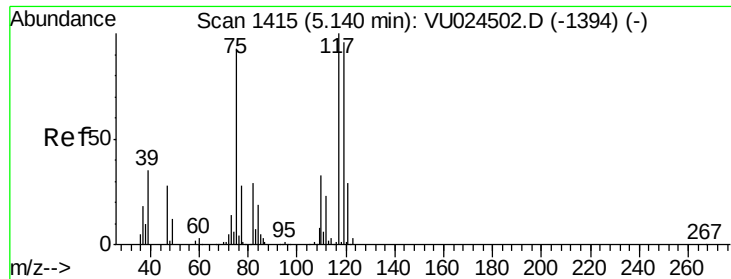
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.2	123.4
192	21.1	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 3.93 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU024851.D
 Acq: 22 Jun 2018 23:04

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	17.0	50.9#
77	0.0	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 4.74 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024851.D

Acq: 22 Jun 2018 23:04

Instrument :

MSVOA_U

ClientSampled :

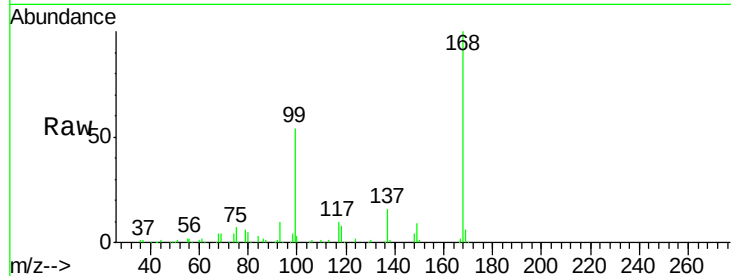
Tot Ion:117 Resp: 18158

Ion Ratio Lower Upper

117 100

119 3.5 76.1 114.1#

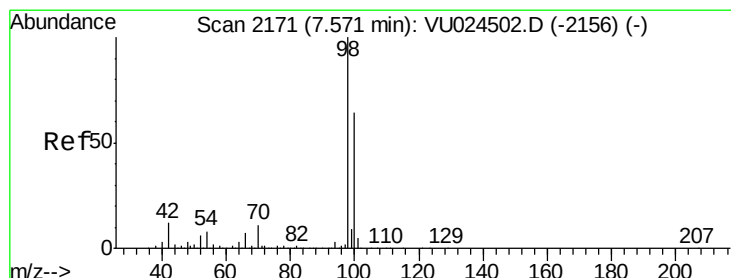
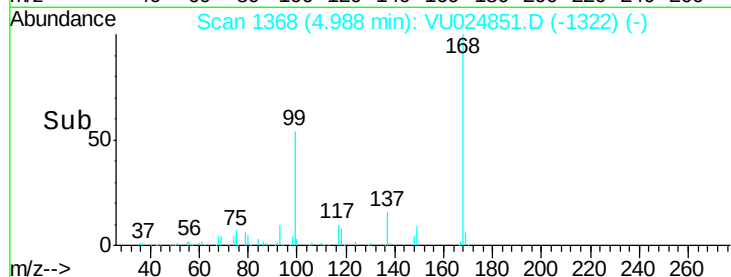
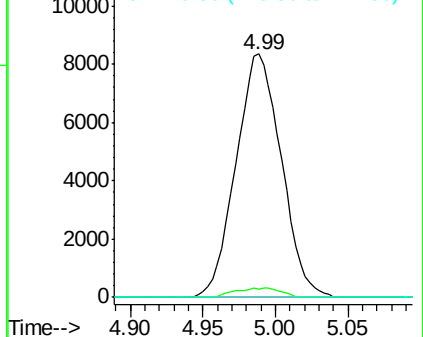
121 0.0 23.7 35.5#



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: 48.37 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024851.D

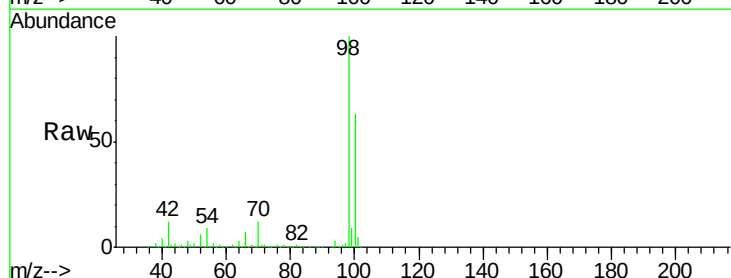
Acq: 22 Jun 2018 23:04

Tgt Ion: 98 Resp: 433740

Ion Ratio Lower Upper

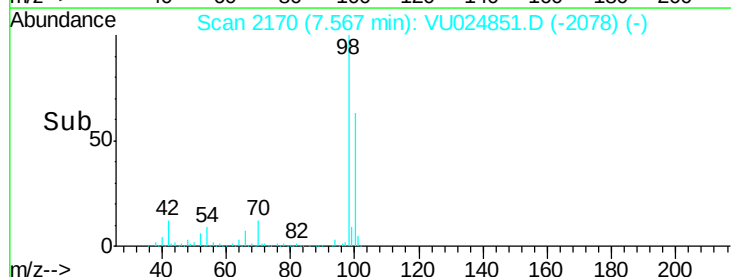
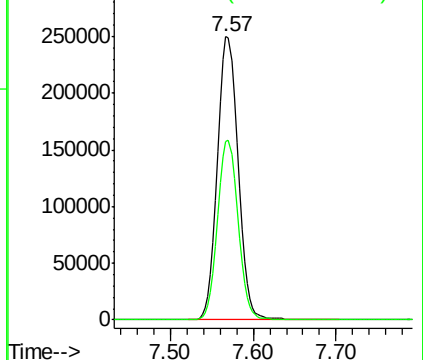
98 100

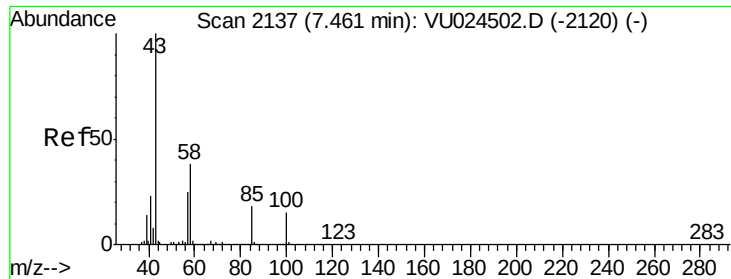
100 62.8 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#51

4-Methyl-2-Pentanone

Concen: 0.56 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.11 min

Lab File: VU024851.D

Acq: 22 Jun 2018 23:04

Instrument :

MSVOA_U

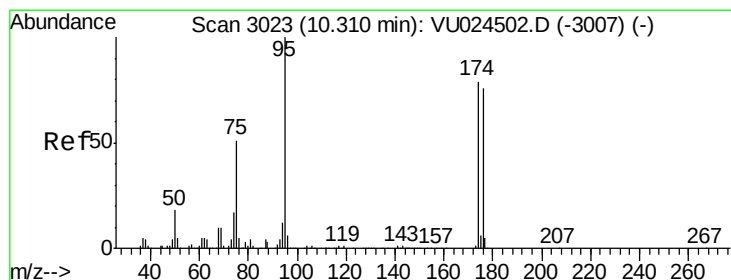
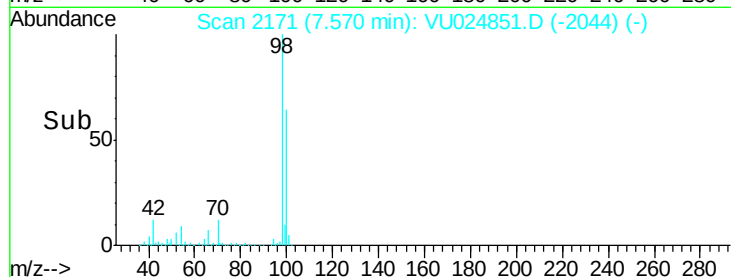
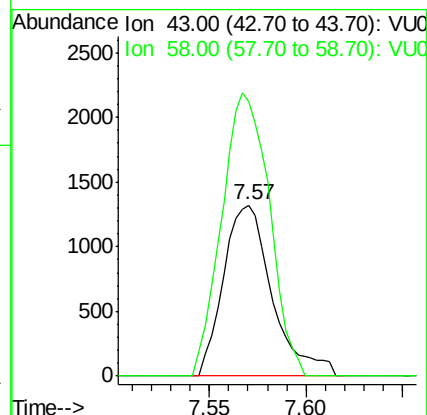
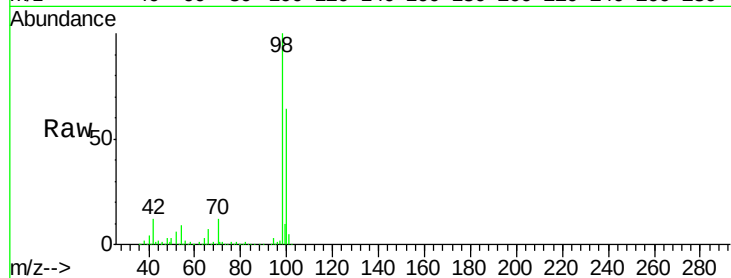
ClientSampleId :

Tot Ion: 43 Resp: 2315

Ion Ratio Lower Upper

43 100

58 161.7 30.0 45.0#



#62

4-Bromofluorobenzene

Concen: 44.41 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU024851.D

Acq: 22 Jun 2018 23:04

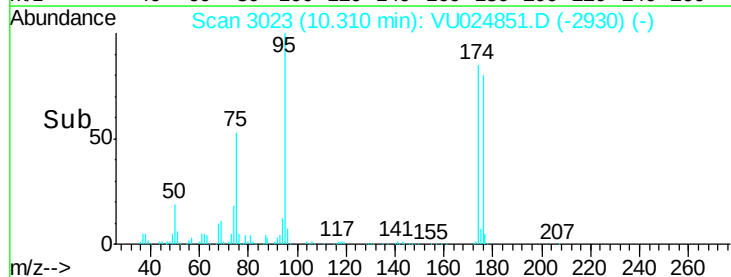
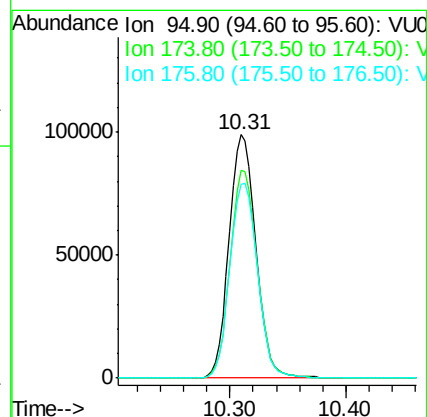
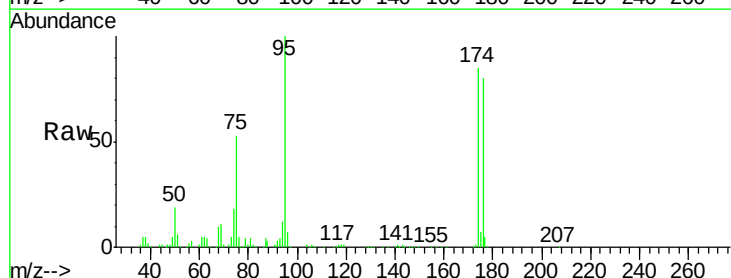
Tgt Ion: 95 Resp: 158121

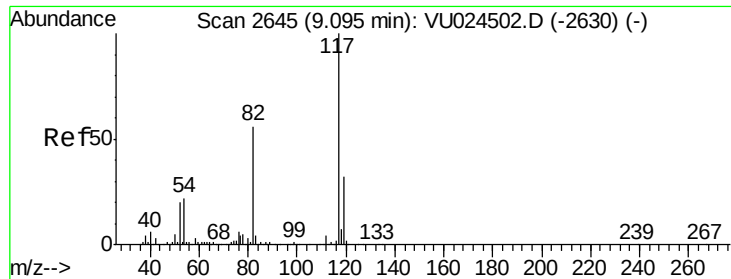
Ion Ratio Lower Upper

95 100

174 85.6 0.0 165.8

176 82.6 0.0 159.4

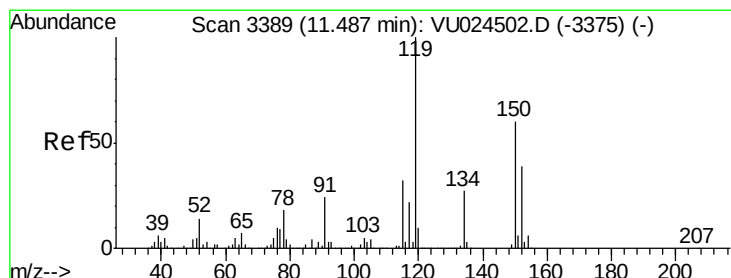
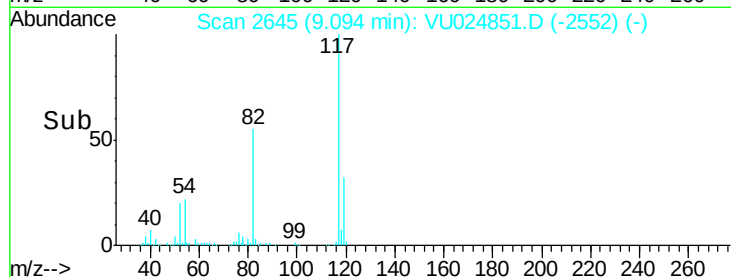
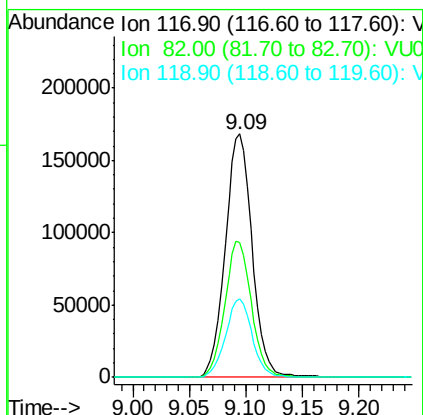
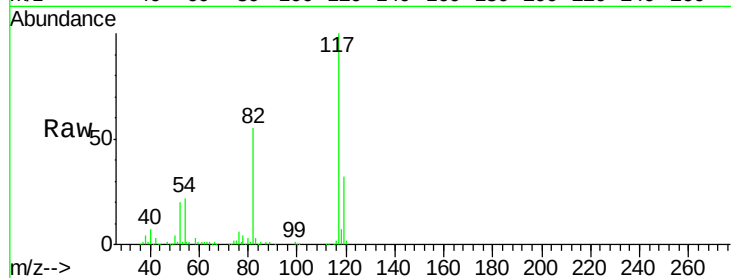




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU024851.D
Acq: 22 Jun 2018 23:04

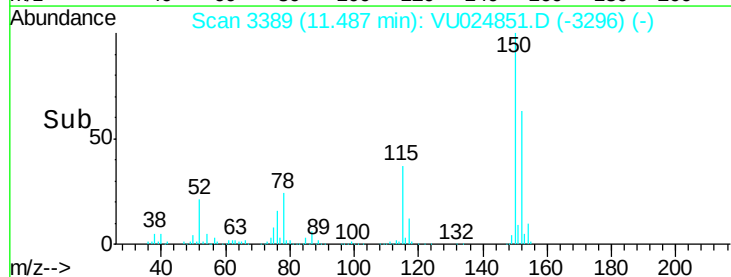
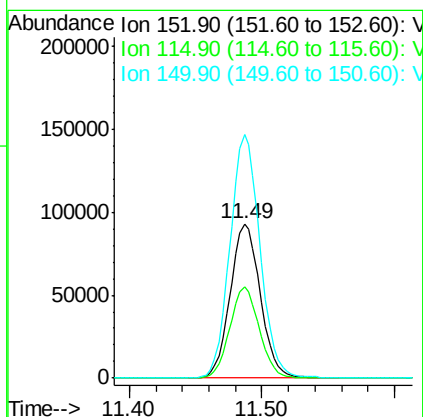
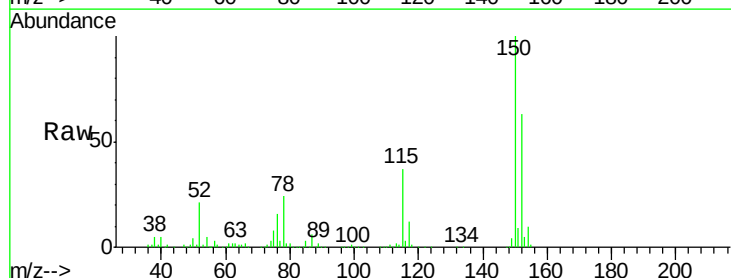
Instrument :
MSVOA_U
ClientSampleId :

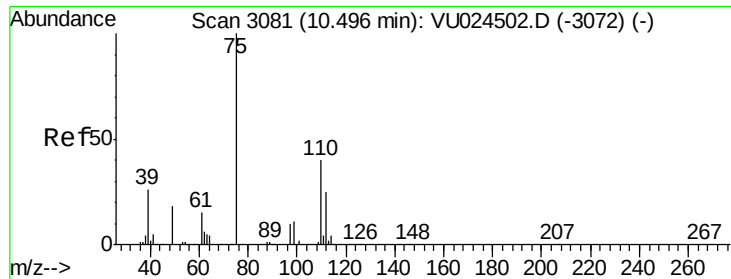
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.5	44.3	66.5
119	32.0	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VU024851.D
Acq: 22 Jun 2018 23:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.0	43.0	129.0
150	157.0	0.0	354.0





#76

1,2,3-Trichloropropane

Concen: 25.47 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024851.D

Acq: 22 Jun 2018 23:04

Instrument :

MSVOA_U

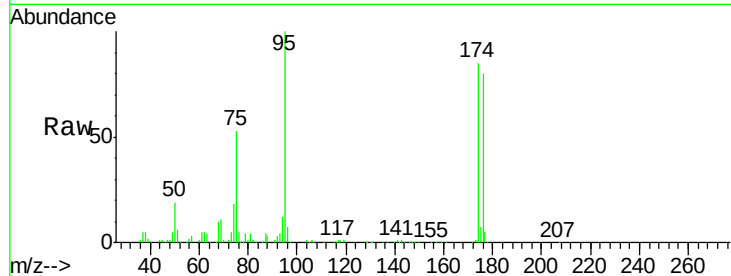
ClientSampleId :

Tot Ion: 75 Resp: 82585

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

10.31

60000

50000

40000

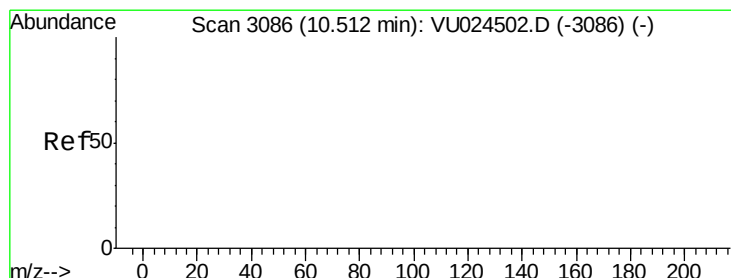
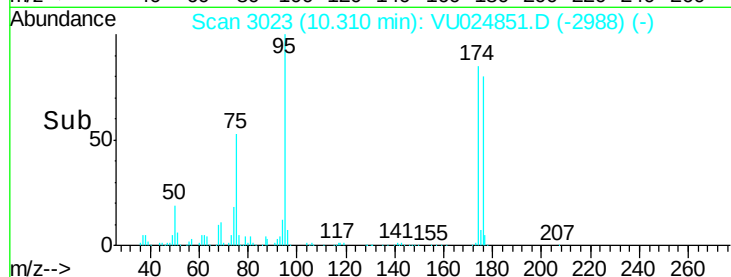
30000

20000

10000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 58.96 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024851.D

Acq: 22 Jun 2018 23:04

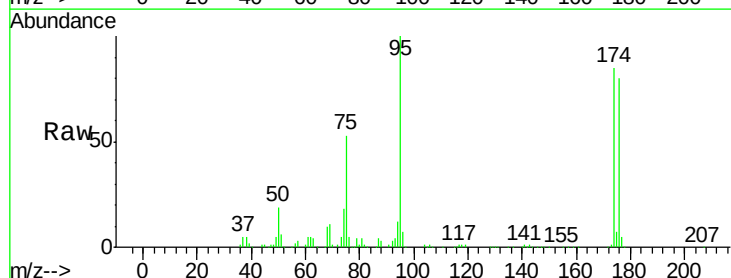
Tgt Ion: 75 Resp: 82585

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): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

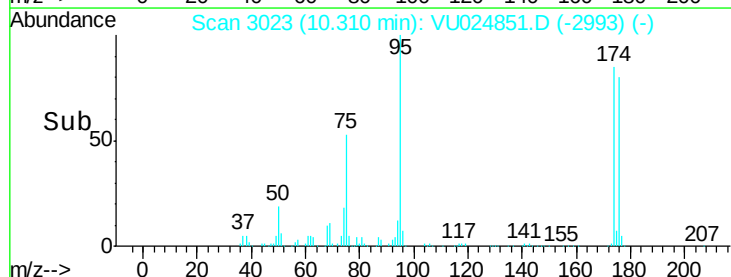
60000

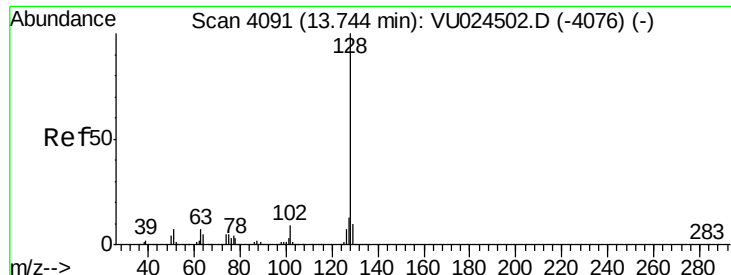
40000

20000

0

Time-->





#95

Naphthalene

Concen: 0.68 ug/l

RT: 13.78 min Scan# 4102

Delta R.T. 0.04 min

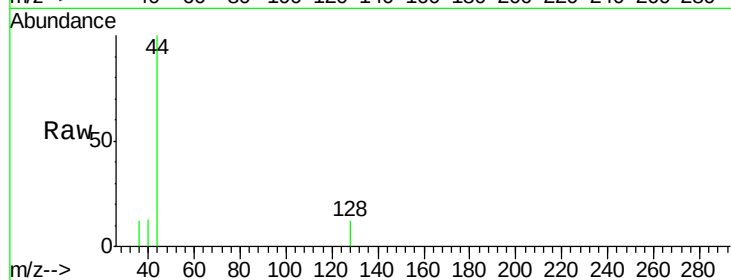
Lab File: VU024851.D

Acq: 22 Jun 2018 23:04

Instrument :

MSVOA_U

ClientSampleId :



Tot Ion:	128	Resp:	62
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.6	12.8#

