

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071218\
 Data File : VU025351.D
 Acq On : 12 Jul 2018 19:58
 Operator : MD/SY
 Sample : PB111044ZHE#06
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 PB111044ZHE#06

Quant Time: Jul 13 01:13:43 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U070918W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 10 09:34:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	192951	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	302267	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	277103	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	145940	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	149681	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
35) Dibromofluoromethane	4.89	113	115377	45.25	ug/l	0.00
Spiked Amount			Recovery	=	90.50%	
50) Toluene-d8	7.57	98	428276	49.05	ug/l	0.00
Spiked Amount			Recovery	=	98.10%	
62) 4-Bromofluorobenzene	10.31	95	159165	45.28	ug/l	0.00
Spiked Amount			Recovery	=	90.56%	

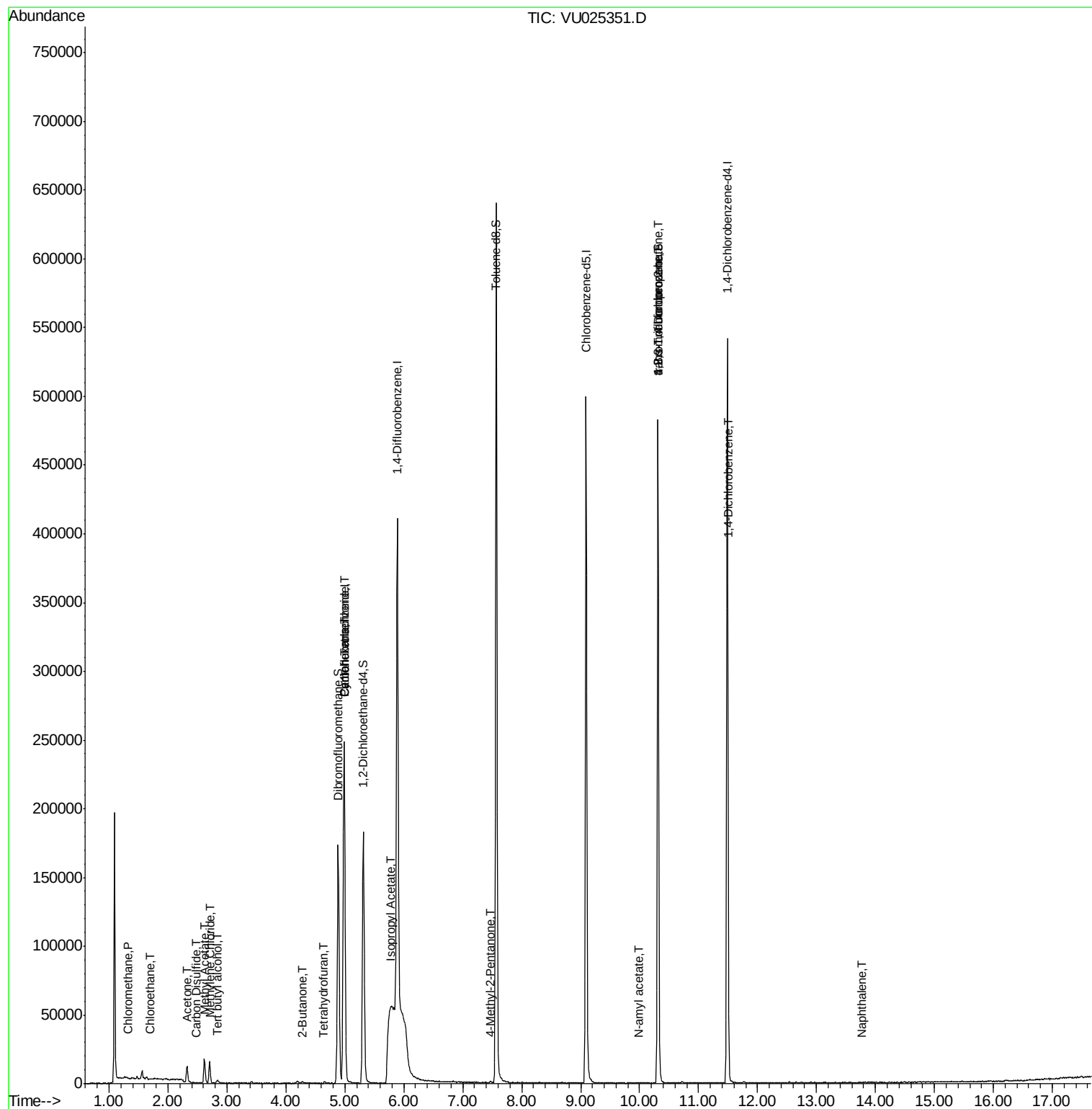
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	506	0.81	ug/l	96
5) Bromomethane	1.63	94	331	Below Cal		86
6) Chloroethane	1.69	64	45	0.32	ug/l #	43
11) Tert butyl alcohol	2.83	59	1328	2.03	ug/l #	73
16) Acetone	2.32	43	13215	13.34	ug/l	99
17) Carbon Disulfide	2.47	76	204	1.97	ug/l #	74
18) Methyl Acetate	2.62	43	20865	6.80	ug/l	97
20) Methylene Chloride	2.70	84	6984	3.66	ug/l	95
25) 2-Butanone	4.27	43	2341	1.13	ug/l #	81
29) Tetrahydrofuran	4.65	42	772	0.62	ug/l #	53
31) Cyclohexane	4.99	56	3649	1.69	ug/l #	10
38) Carbon Tetrachloride	4.99	117	18788	5.19	ug/l #	16
43) Isopropyl Acetate	5.78	43	85993	14.33	ug/l #	61
51) 4-Methyl-2-Pentanone	7.47	43	974	0.25	ug/l #	68
74) N-amyl acetate	9.99	43	422	1.36	ug/l #	43
76) 1,2,3-Trichloropropane	10.31	75	82790	27.88	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	82790	71.21	ug/l #	100
88) 1,4-Dichlorobenzene	11.51	146	72	1.50	ug/l #	25
95) Naphthalene	13.77	128	277	2.44	ug/l #	69

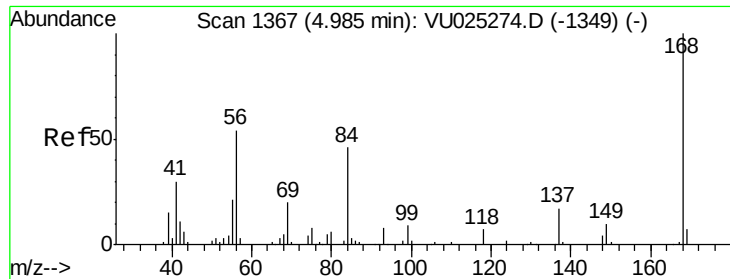
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Jul 10 09:34:16 2018
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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: VU025351.D

Acq: 12 Jul 2018 19:58

Instrument :

MSVOA_U

ClientSampleId :

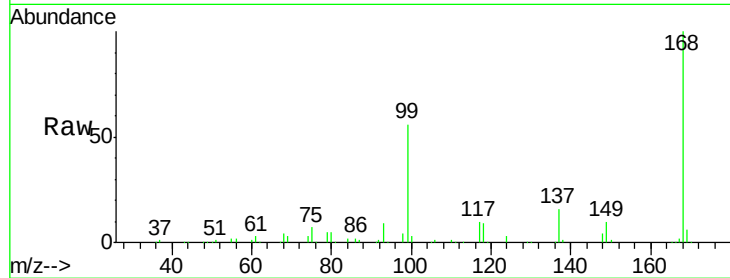
PB111044ZHE#06

Tot Ion:168 Resp: 192951

Ion Ratio Lower Upper

168 100

99 55.7 42.8 64.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0

100000

80000

60000

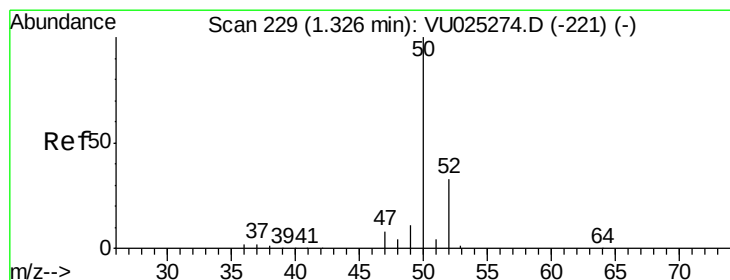
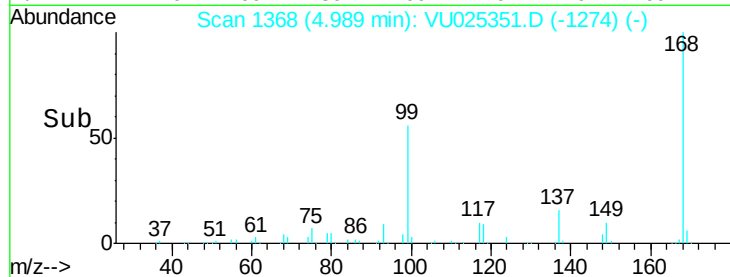
40000

20000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#3

Chloromethane

Concen: 0.81 ug/l

RT: 1.33 min Scan# 229

Delta R.T. 0.00 min

Lab File: VU025351.D

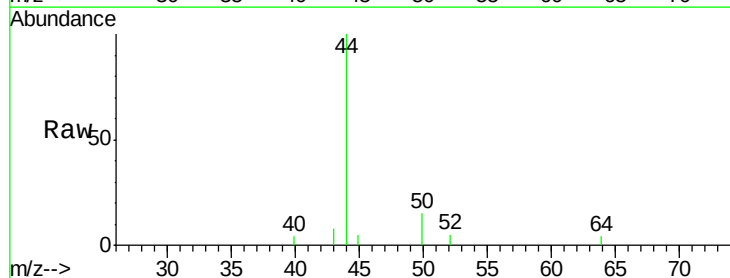
Acq: 12 Jul 2018 19:58

Tgt Ion: 50 Resp: 506

Ion Ratio Lower Upper

50 100

52 31.1 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0

500

400

300

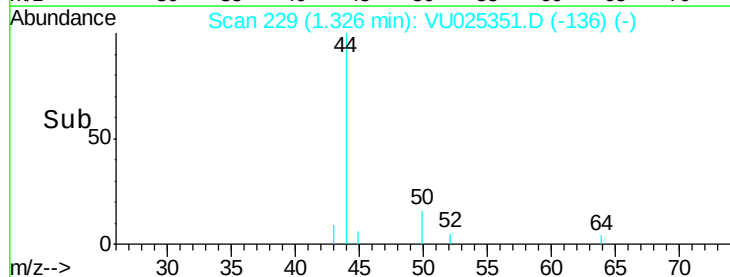
200

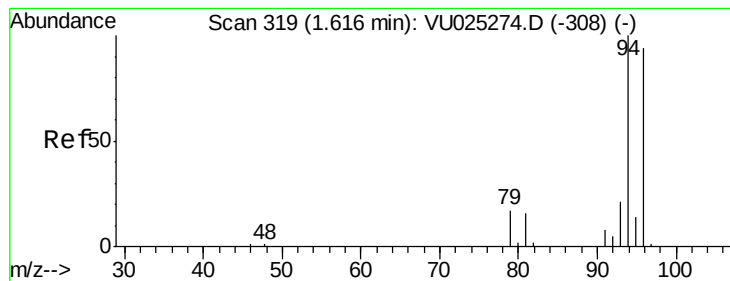
100

0

1.30 1.32 1.34 1.36

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 324

Delta R.T. 0.02 min

Lab File: VU025351.D

Acq: 12 Jul 2018 19:58

Instrument :

MSVOA_U

ClientSampleId :

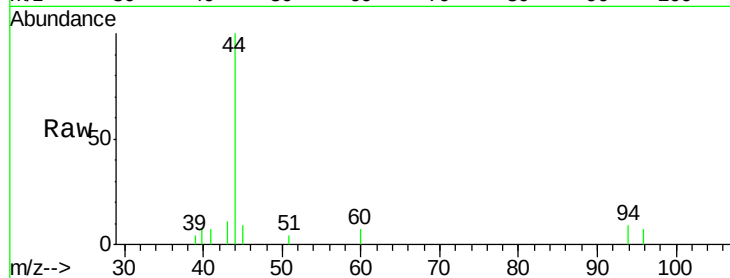
PB111044ZHE#06

Tot Ion: 94 Resp: 331

Ion Ratio Lower Upper

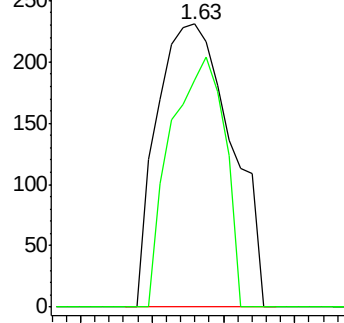
94 100

96 80.1 75.0 112.4

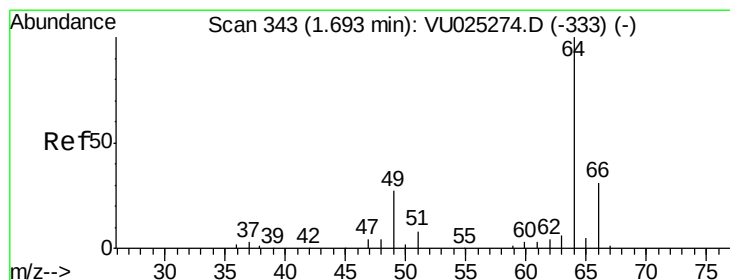
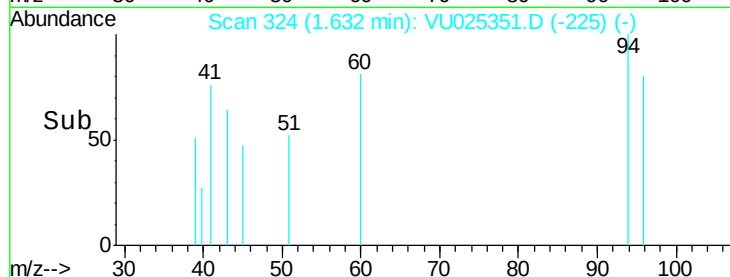


Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



Time-->



#6

Chloroethane

Concen: 0.32 ug/l

RT: 1.69 min Scan# 343

Delta R.T. 0.00 min

Lab File: VU025351.D

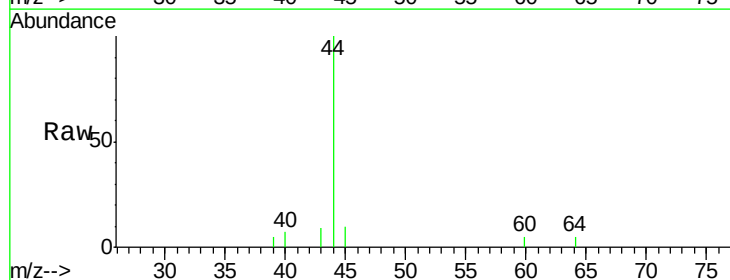
Acq: 12 Jul 2018 19:58

Tgt Ion: 64 Resp: 45

Ion Ratio Lower Upper

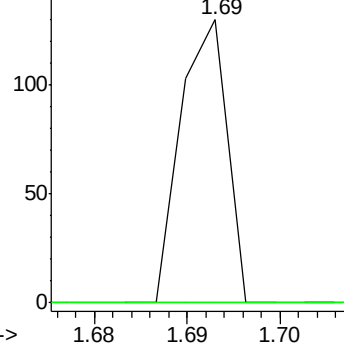
64 100

66 0.0 25.0 37.4#

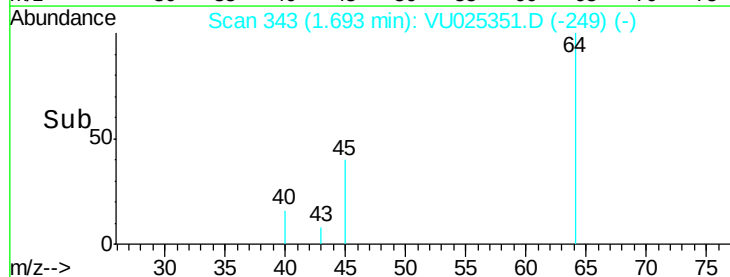


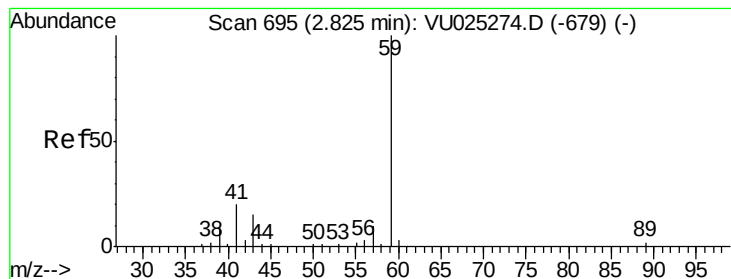
Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



Time-->



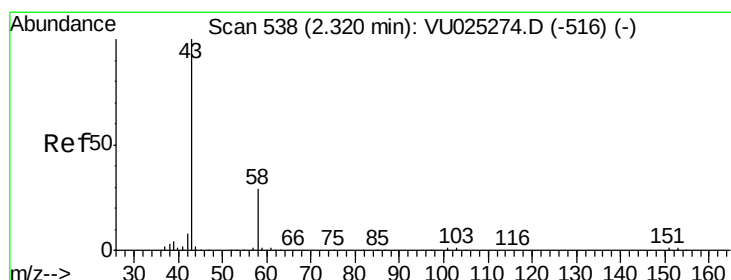
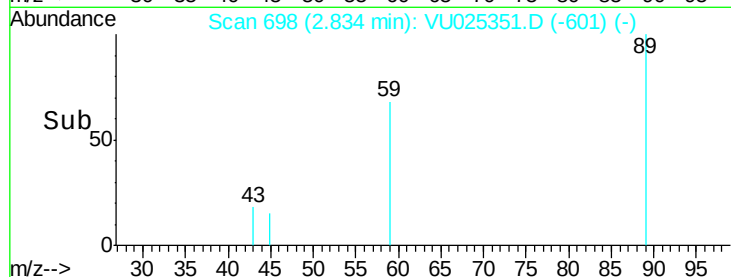
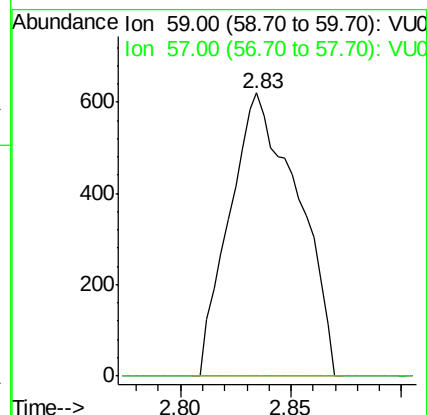
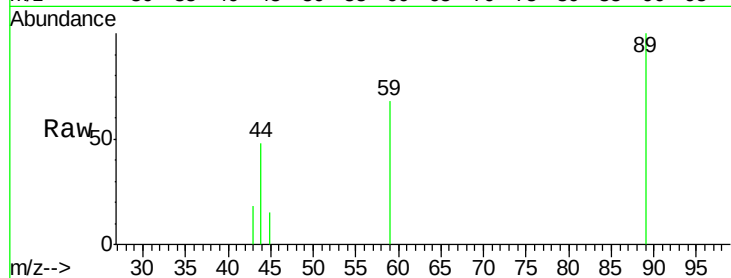


#11

Tert butyl alcohol
 Concen: 2.03 ug/l
 RT: 2.83 min Scan# 698
 Delta R.T. 0.01 min
 Lab File: VU025351.D
 Acq: 12 Jul 2018 19:58

Instrument :
 MSVOA_U
 ClientSampleId :
 PB111044ZHE#06

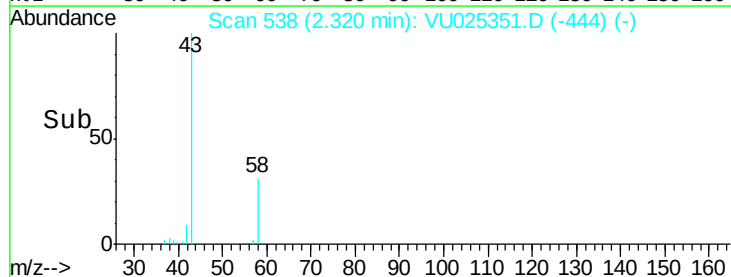
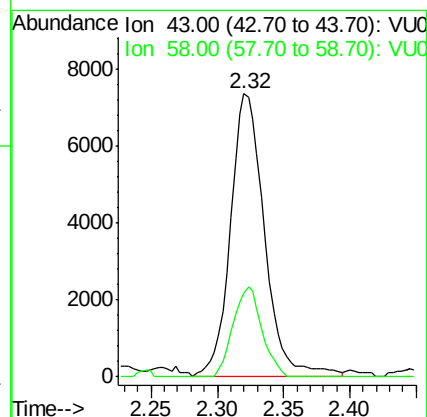
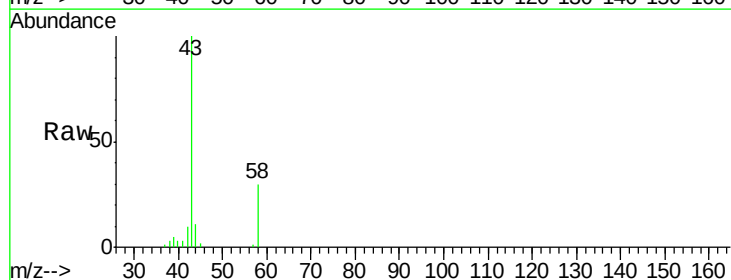
Tot Ion: 59 Resp: 1328
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

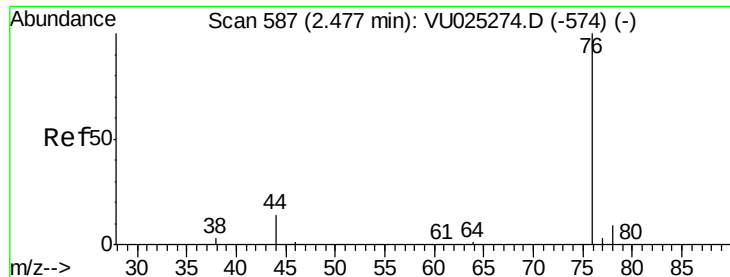


#16

Acetone
 Concen: 13.34 ug/l
 RT: 2.32 min Scan# 538
 Delta R.T. 0.00 min
 Lab File: VU025351.D
 Acq: 12 Jul 2018 19:58

Tgt Ion: 43 Resp: 13215
 Ion Ratio Lower Upper
 43 100
 58 29.6 23.1 34.7





#17

Carbon Disulfide

Concen: 1.97 ug/l

RT: 2.47 min Scan# 586

Delta R.T. -0.00 min

Lab File: VU025351.D

Acq: 12 Jul 2018 19:58

Instrument :

MSVOA_U

ClientSampleId :

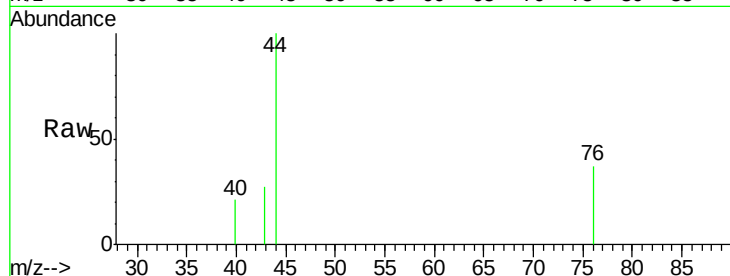
PB111044ZHE#06

Tot Ion: 76 Resp: 204

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.2#



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

2.47

200

150

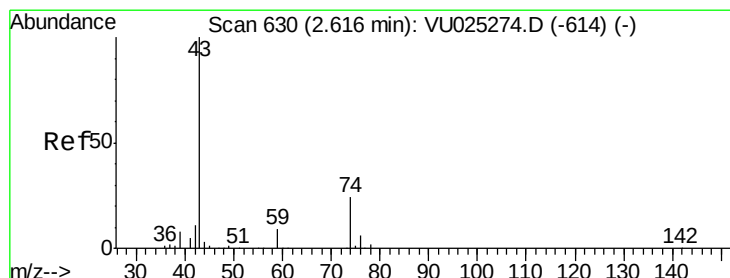
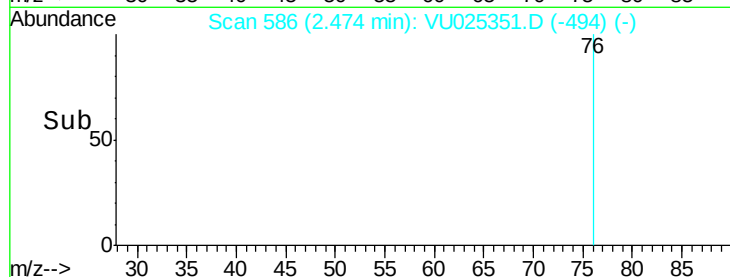
100

50

0

2.46 2.48 2.50

Time-->



#18

Methyl Acetate

Concen: 6.80 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU025351.D

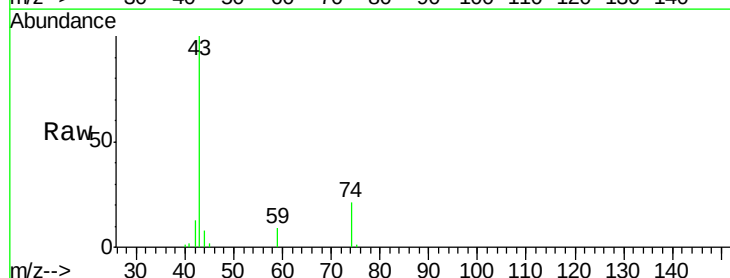
Acq: 12 Jul 2018 19:58

Tgt Ion: 43 Resp: 20865

Ion Ratio Lower Upper

43 100

74 21.7 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.62

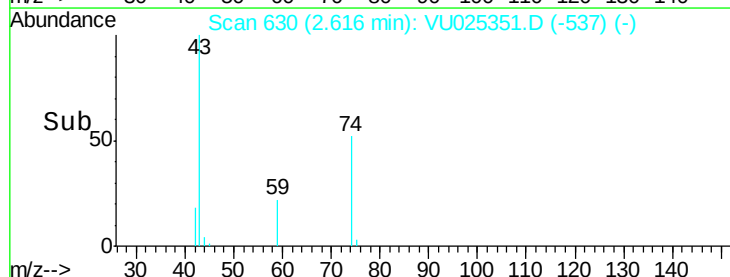
10000

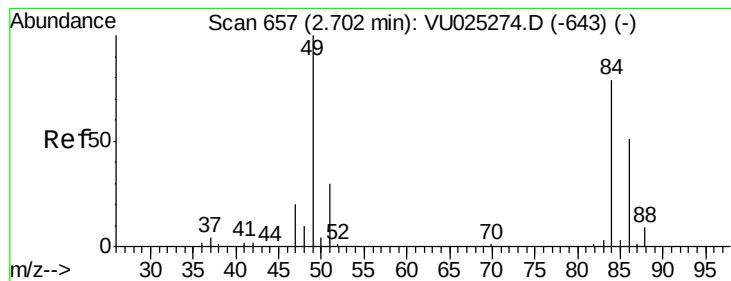
5000

0

2.55 2.60 2.65 2.70

Time-->





#20

Methvlene Chloride

Concen: 3.66 ug/l

RT: 2.70 min Scan# 657

Delta R.T. 0.00 min

Lab File: VU025351.D

Acq: 12 Jul 2018 19:58

Instrument :

MSVOA_U

ClientSampleId :

PB111044ZHE#06

Tot Ion: 84 Resp: 6984

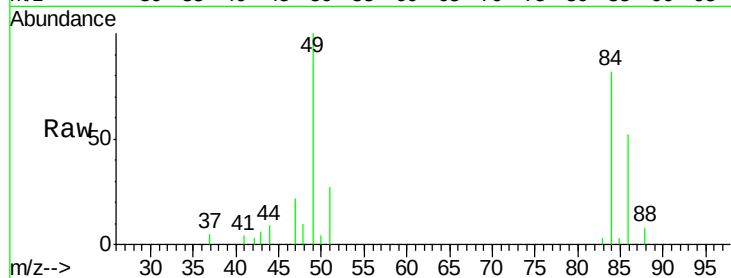
Ion Ratio Lower Upper

84 100

49 121.3 101.8 152.6

51 32.9 30.8 46.2

86 63.2 51.9 77.9

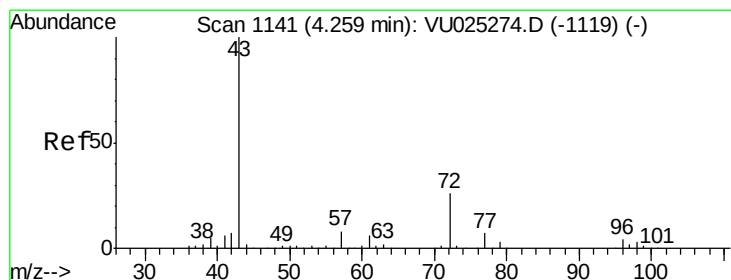
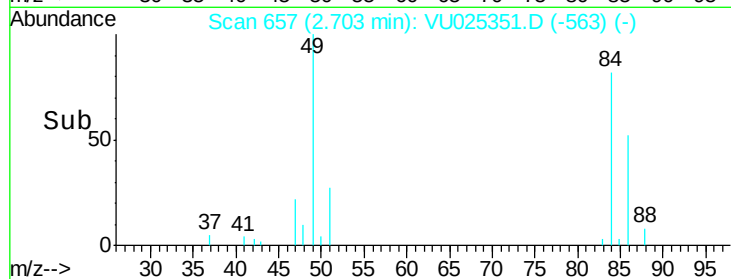
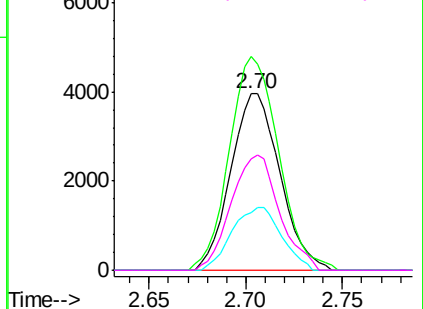


Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0



#25

2-Butanone

Concen: 1.13 ug/l

RT: 4.27 min Scan# 1146

Delta R.T. 0.02 min

Lab File: VU025351.D

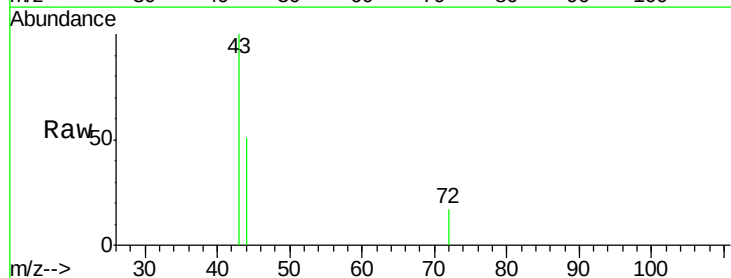
Acq: 12 Jul 2018 19:58

Tgt Ion: 43 Resp: 2341

Ion Ratio Lower Upper

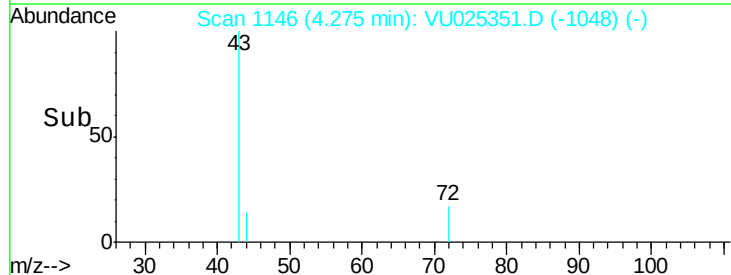
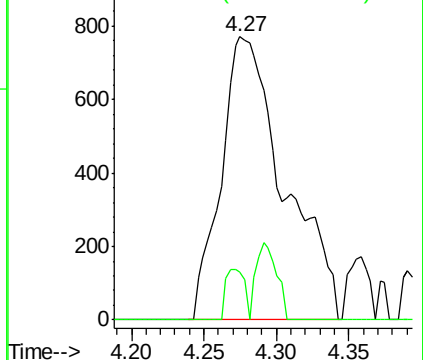
43 100

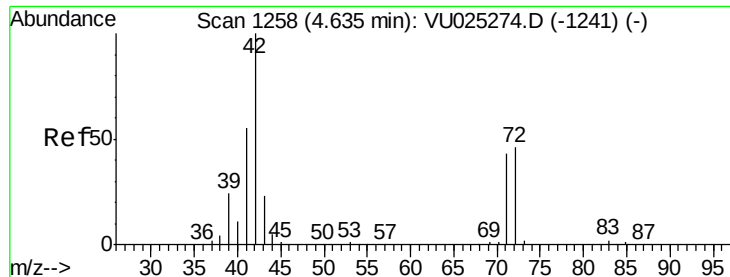
72 16.7 21.0 31.4#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0





#29

Tetrahydrofuran

Concen: 0.62 ug/l

RT: 4.65 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VU025351.D

Acq: 12 Jul 2018 19:58

Instrument :

MSVOA_U

ClientSampleId :

PB111044ZHE#06

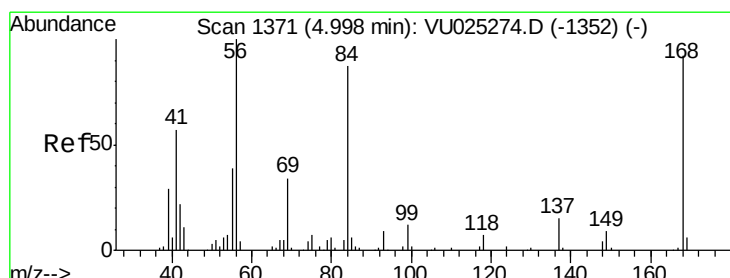
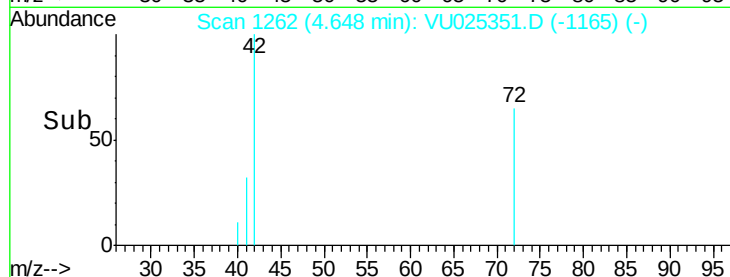
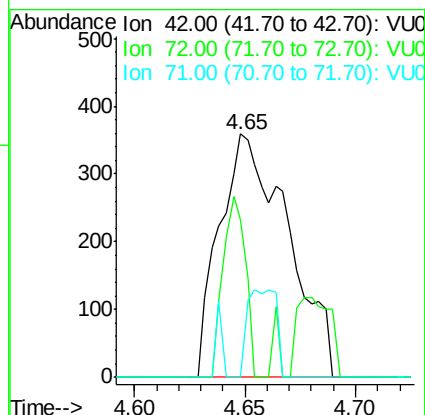
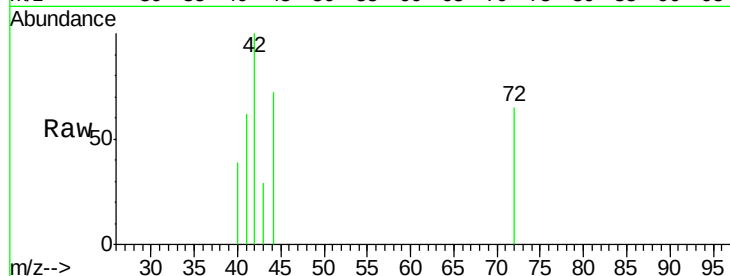
Tot Ion: 42 Resp: 772

Ion Ratio Lower Upper

42 100

72 24.1 36.7 55.1#

71 2.8 33.9 50.9#



#31

Cyclohexane

Concen: 1.69 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VU025351.D

Acq: 12 Jul 2018 19:58

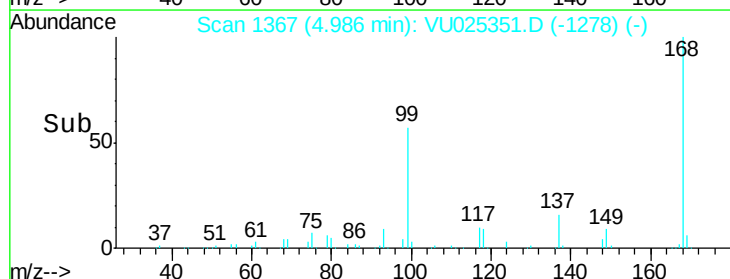
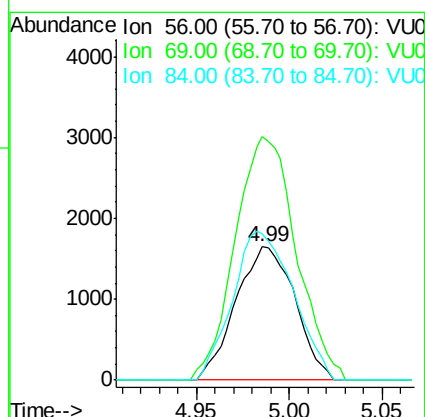
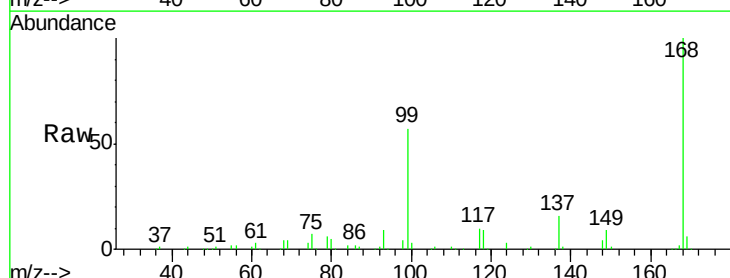
Tgt Ion: 56 Resp: 3649

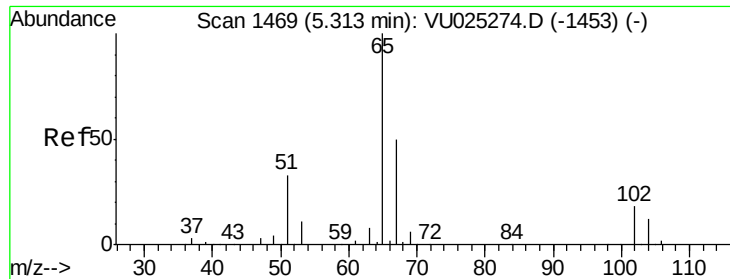
Ion Ratio Lower Upper

56 100

69 182.6 26.8 40.2#

84 109.3 69.7 104.5#

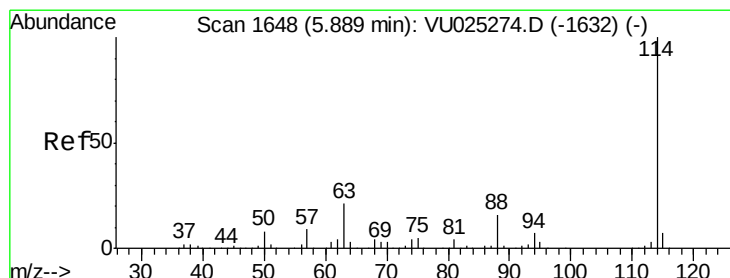
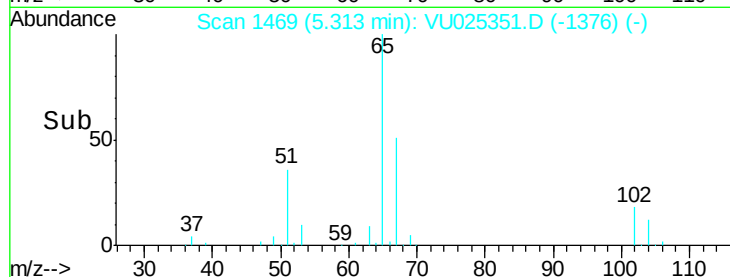
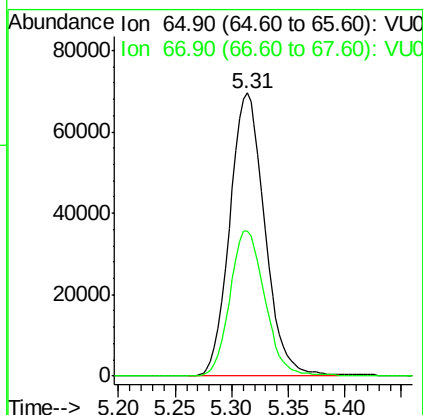
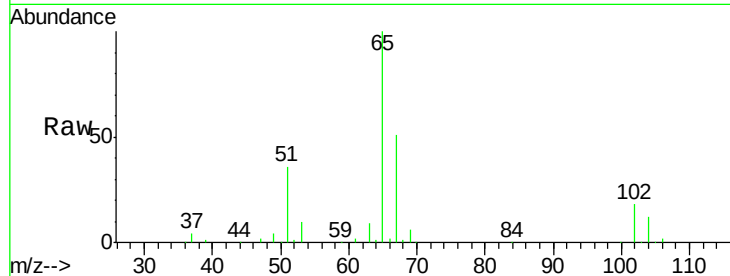




#33
 1,2-Dichloroethane-d4
 Concen: 49.93 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025351.D
 Acq: 12 Jul 2018 19:58

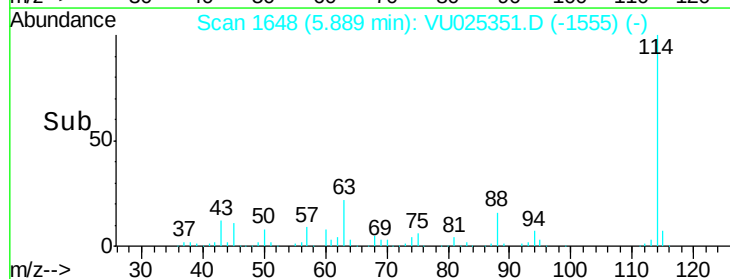
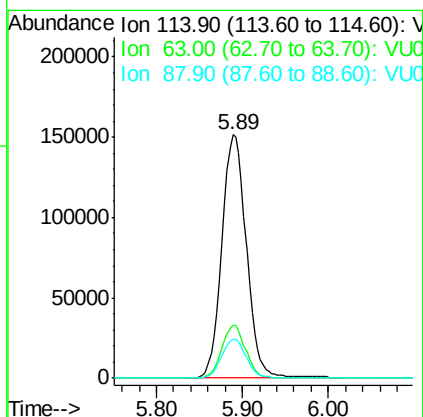
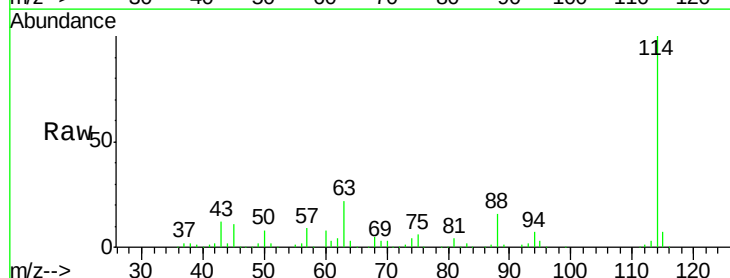
Instrument :
 MSVOA_U
 ClientSampleId :
 PB111044ZHE#06

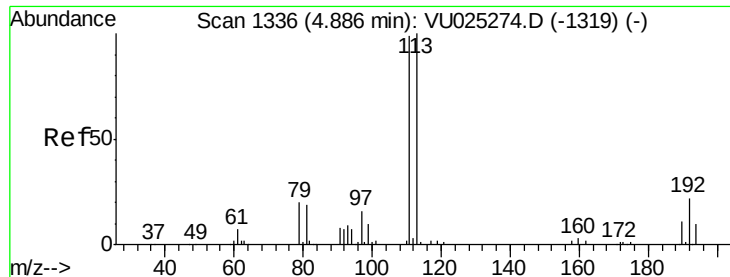
Tot Ion: 65 Resp: 149681
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU025351.D
 Acq: 12 Jul 2018 19:58

Tgt Ion: 114 Resp: 302267
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 41.6
 88 16.1 0.0 32.4

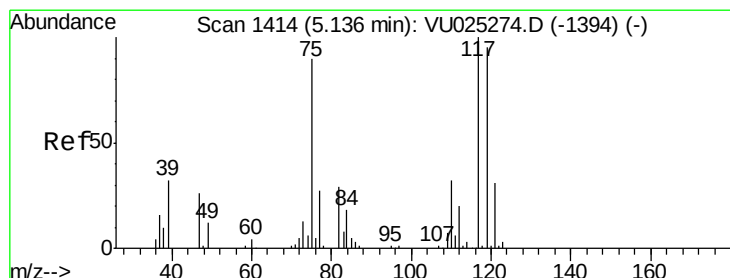
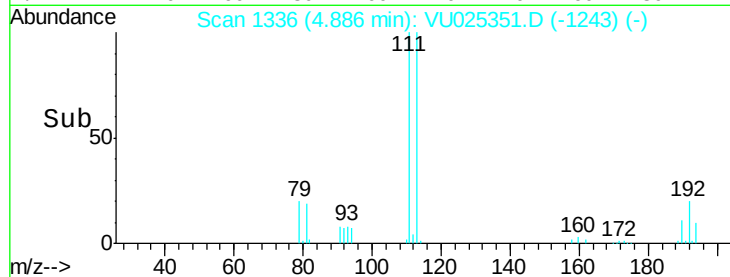
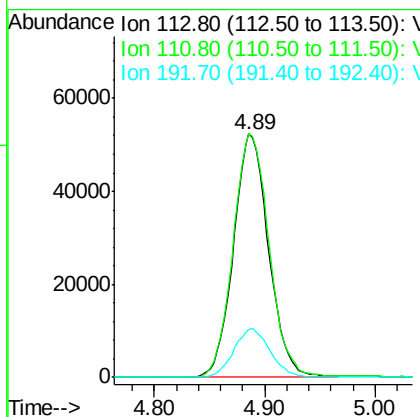
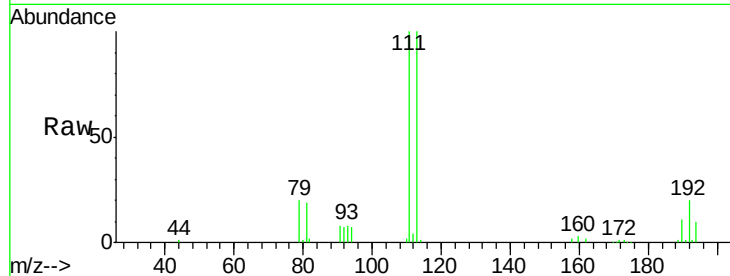




#35
 Dibromofluoromethane
 Concen: 45.25 ug/l
 RT: 4.89 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VU025351.D
 Acq: 12 Jul 2018 19:58

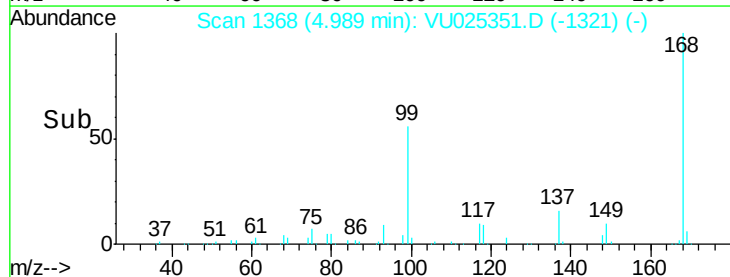
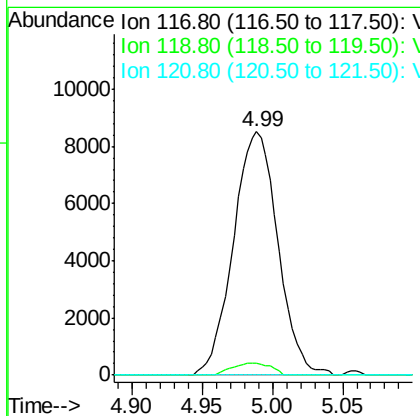
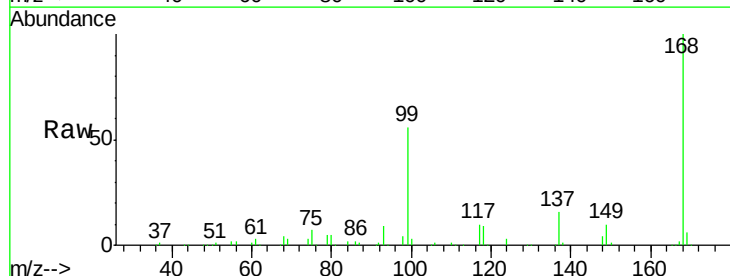
Instrument :
 MSVOA_U
 ClientSampleId :
 PB111044ZHE#06

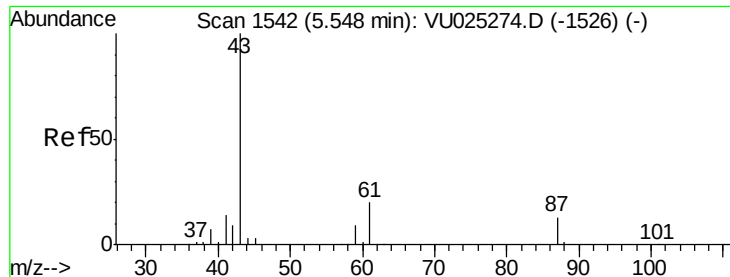
Tot Ion:113 Resp: 115377
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.7 122.5
 192 20.7 17.1 25.7



#38
 Carbon Tetrachloride
 Concen: 5.19 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU025351.D
 Acq: 12 Jul 2018 19:58

Tgt Ion:117 Resp: 18788
 Ion Ratio Lower Upper
 117 100
 119 4.7 75.7 113.5#
 121 0.0 24.6 36.8#





#43

Isopropyl Acetate

Concen: 14.33 ug/l

RT: 5.78 min Scan# 1615

Delta R.T. 0.23 min

Lab File: VU025351.D

Acq: 12 Jul 2018 19:58

Instrument :

MSVOA_U

ClientSampleId :

PB111044ZHE#06

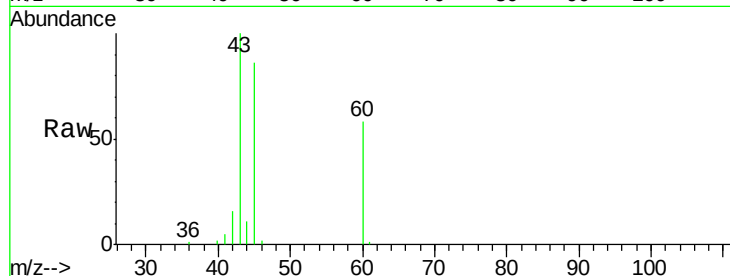
Tot Ion: 43 Resp: 85993

Ion Ratio Lower Upper

43 100

61 0.2 15.5 23.3#

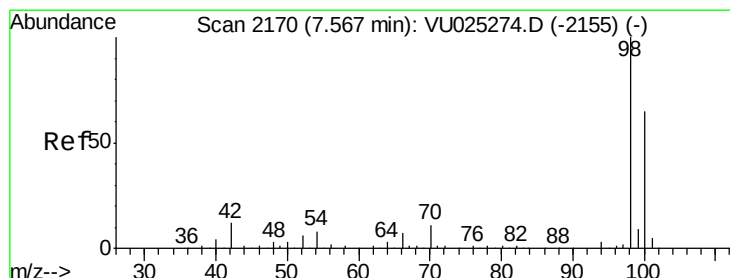
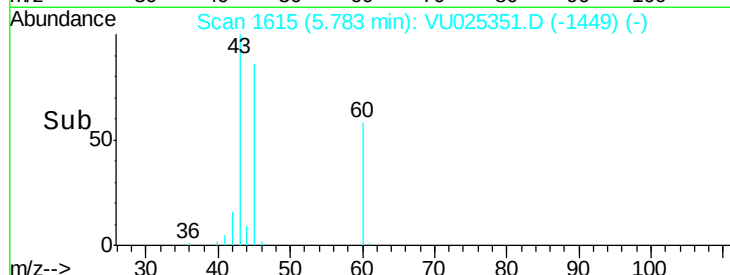
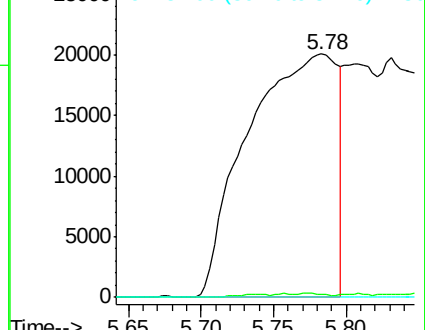
87 0.0 10.6 16.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#50

Toluene-d8

Concen: 49.05 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. 0.00 min

Lab File: VU025351.D

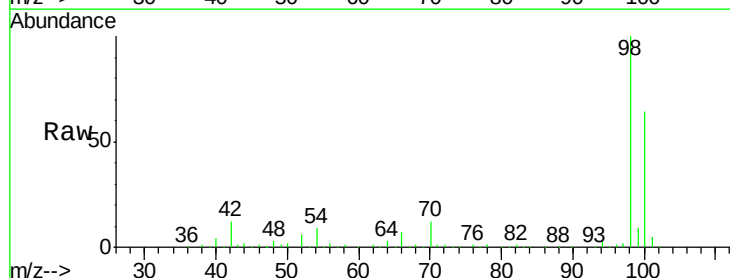
Acq: 12 Jul 2018 19:58

Tgt Ion: 98 Resp: 428276

Ion Ratio Lower Upper

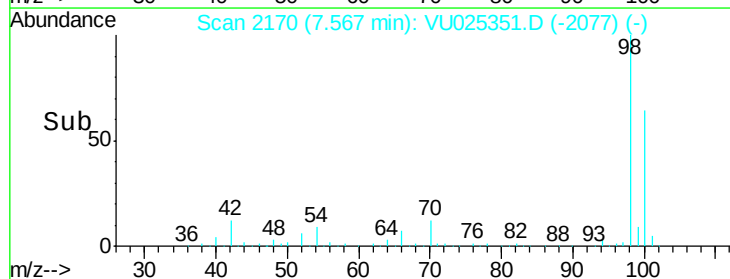
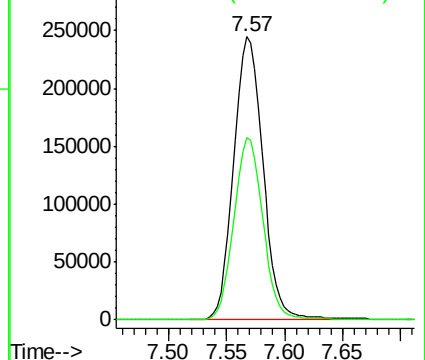
98 100

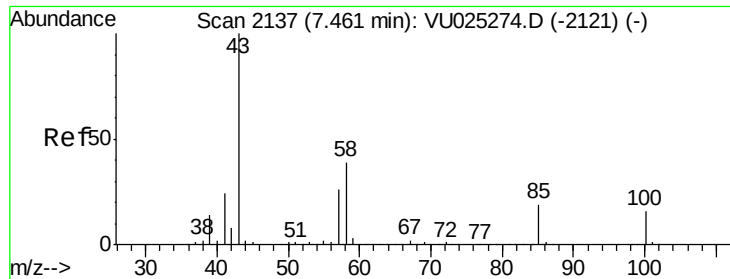
100 63.7 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#51

4-Methyl-2-Pentanone

Concen: 0.25 ug/l

RT: 7.47 min Scan# 2139

Delta R.T. 0.01 min

Lab File: VU025351.D

Acq: 12 Jul 2018 19:58

Instrument :

MSVOA_U

ClientSampleId :

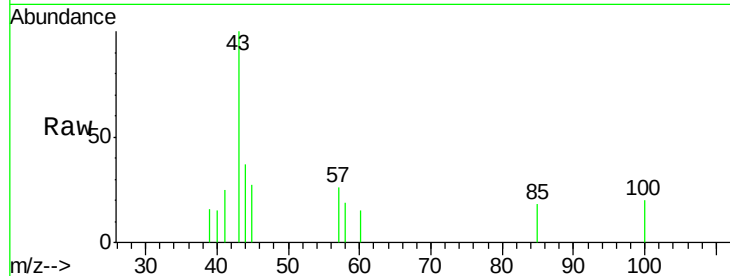
PB111044ZHE#06

Tot Ion: 43 Resp: 974

Ion Ratio Lower Upper

43 100

58 19.0 31.0 46.4#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.47

600

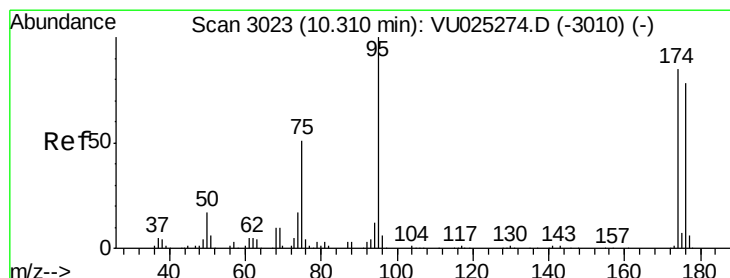
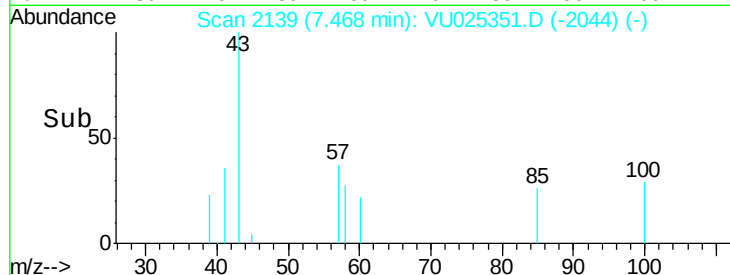
400

200

0

7.45 7.50

Time-->



#62

4-Bromofluorobenzene

Concen: 45.28 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025351.D

Acq: 12 Jul 2018 19:58

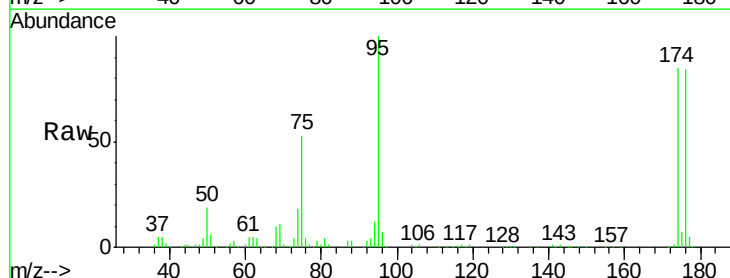
Tgt Ion: 95 Resp: 159165

Ion Ratio Lower Upper

95 100

174 84.5 0.0 172.2

176 83.5 0.0 162.6



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

60000

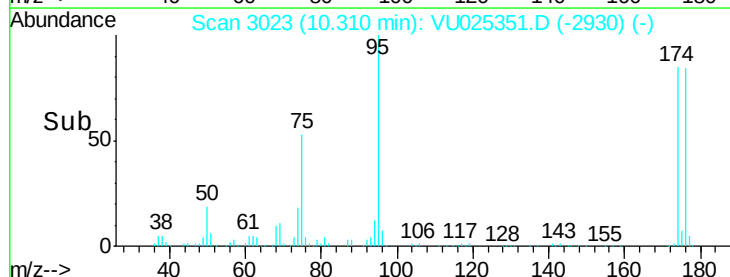
40000

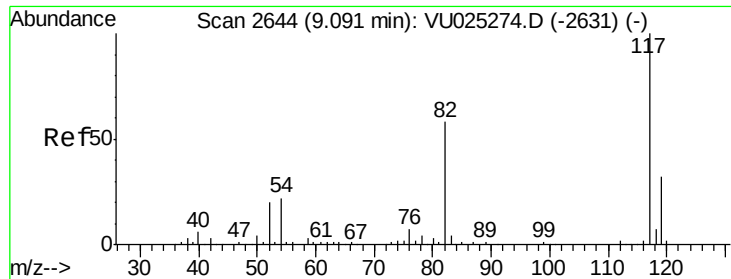
20000

0

10.30 10.40

Time-->

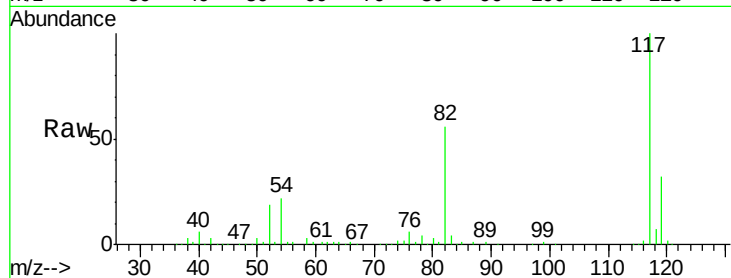




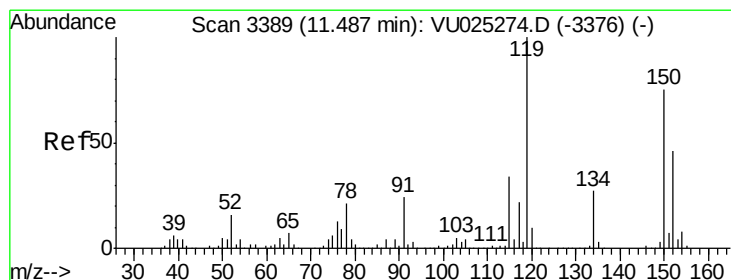
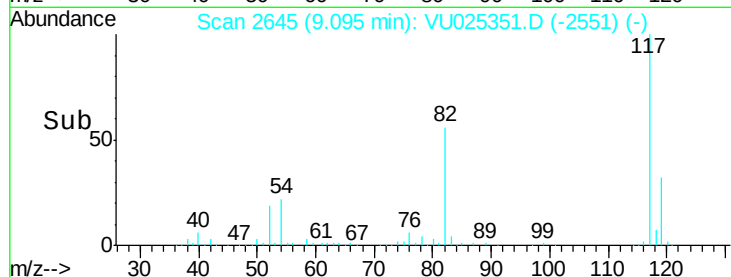
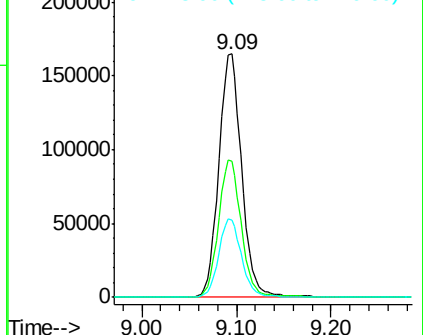
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VU025351.D
Acq: 12 Jul 2018 19:58

Instrument :
MSVOA_U
ClientSampleId :
PB111044ZHE#06

Tot Ion:117 Resp: 277103
Ion Ratio Lower Upper
117 100
82 56.1 46.0 69.0
119 31.9 26.0 39.0

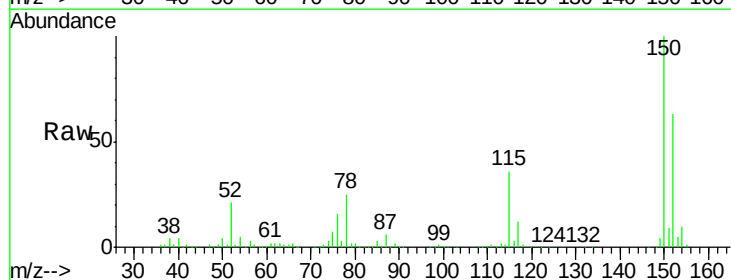


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

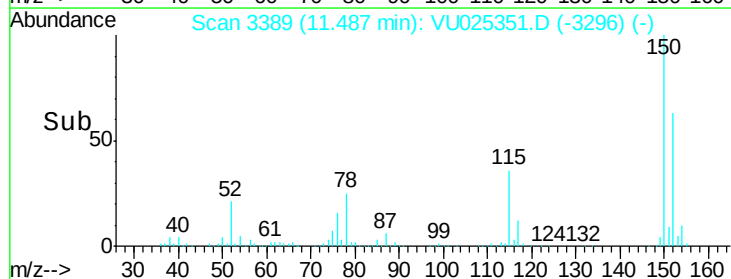
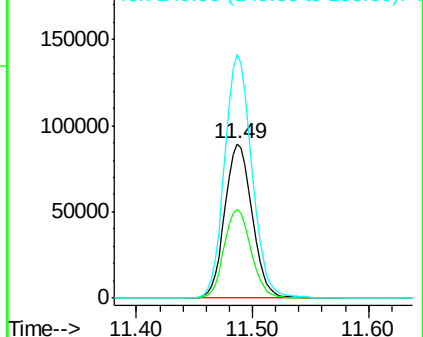


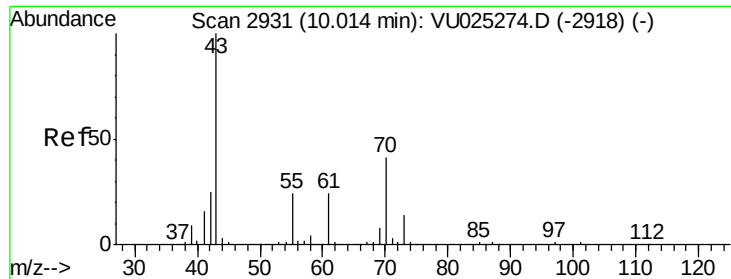
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VU025351.D
Acq: 12 Jul 2018 19:58

Tgt Ion:152 Resp: 145940
Ion Ratio Lower Upper
152 100
115 56.4 40.1 120.3
150 156.9 0.0 351.4



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

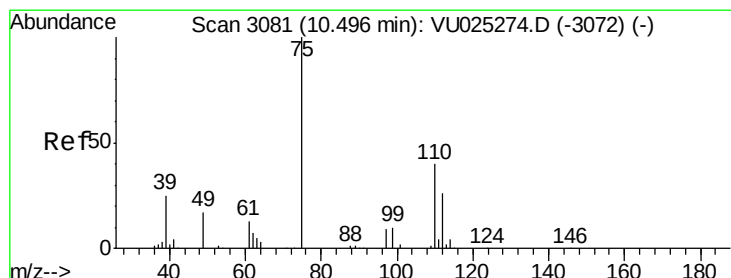
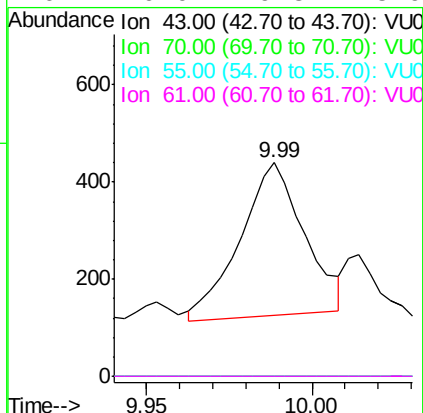
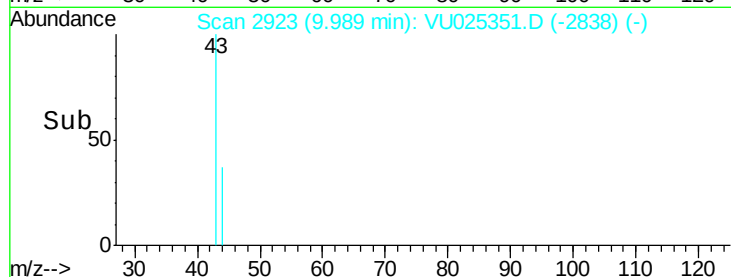
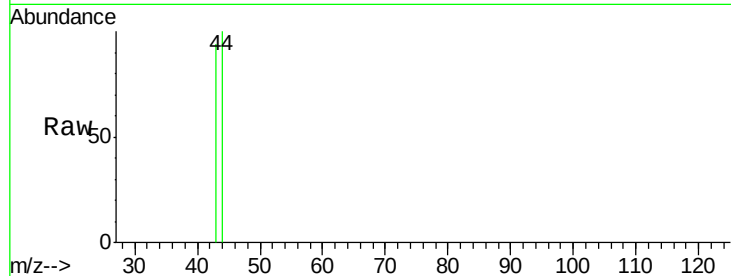




#74
N-amvl acetate
Concen: 1.36 ug/l
RT: 9.99 min Scan# 2923
Delta R.T. -0.03 min
Lab File: VU025351.D
Acq: 12 Jul 2018 19:58

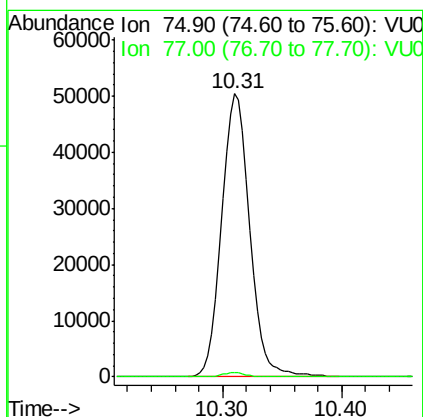
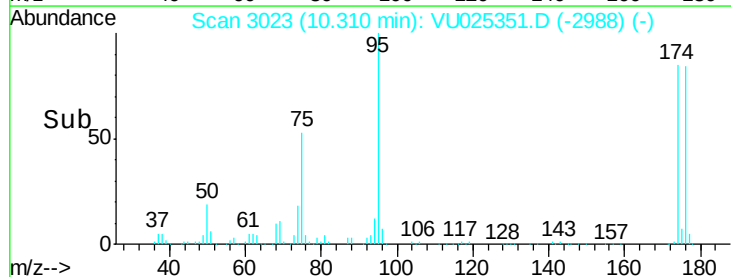
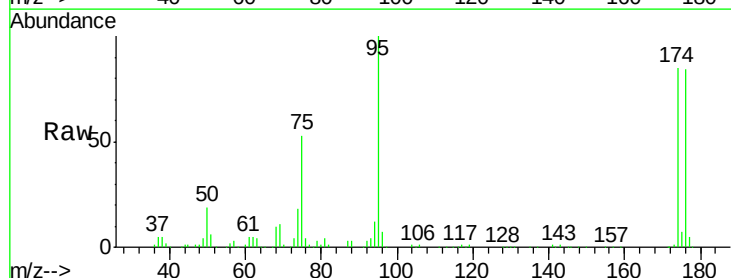
Instrument :
MSVOA_U
ClientSampleId :
PB111044ZHE#06

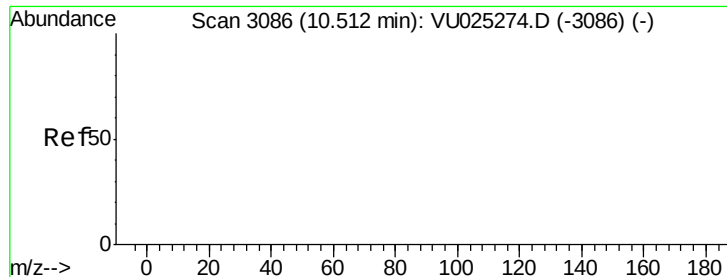
Tot Ion: 43 Resp: 422
Ion Ratio Lower Upper
43 100
70 0.0 33.4 50.2#
55 0.0 19.0 28.6#
61 0.0 19.3 28.9#



#76
1,2,3-Trichloropropane
Concen: 27.88 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.19 min
Lab File: VU025351.D
Acq: 12 Jul 2018 19:58

Tgt Ion: 75 Resp: 82790
Ion Ratio Lower Upper
75 100
77 1.2 20.4 61.3#

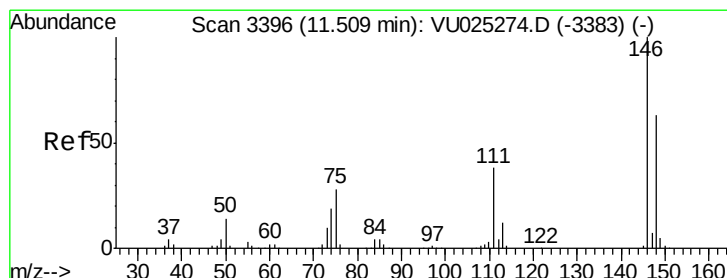
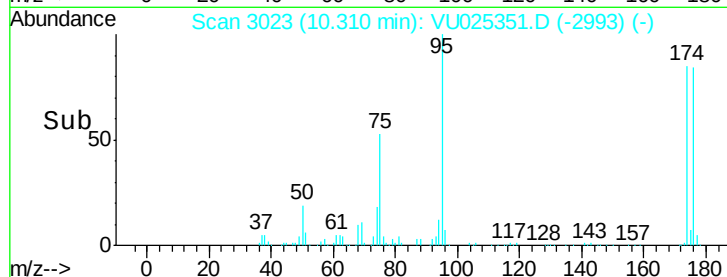
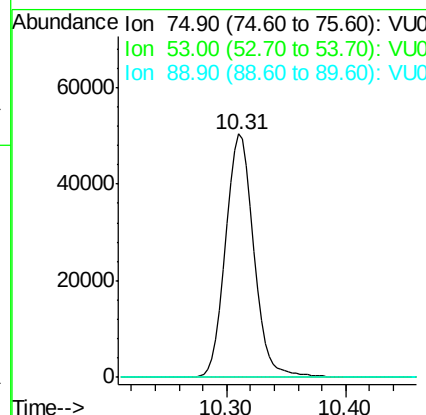
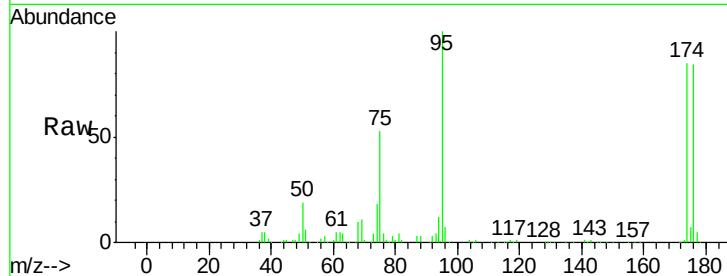




#81
trans-1,4-Dichloro-2-butene
Concen: 71.21 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.20 min
Lab File: VU025351.D
Acq: 12 Jul 2018 19:58

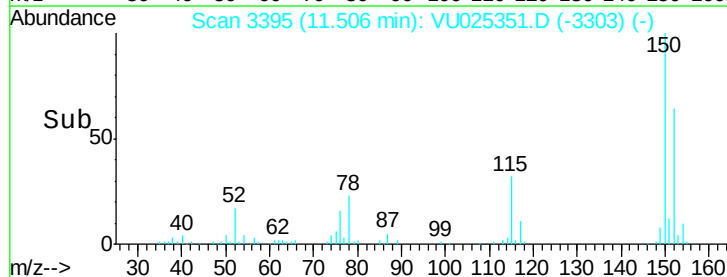
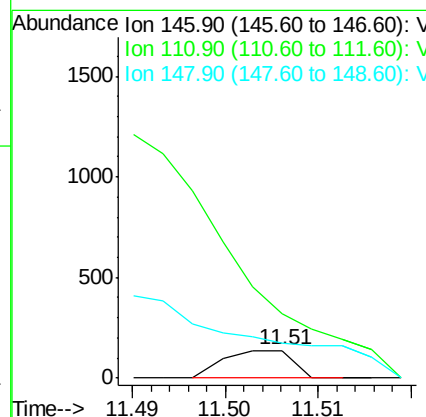
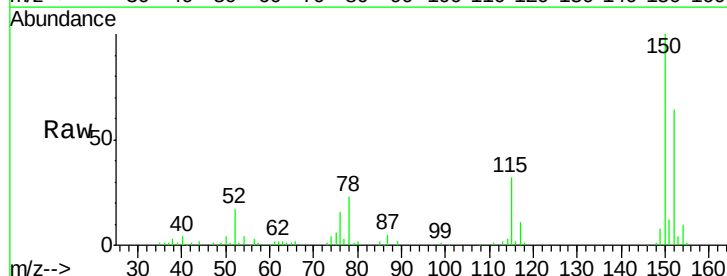
Instrument :
MSVOA_U
ClientSampleId :
PB111044ZHE#06

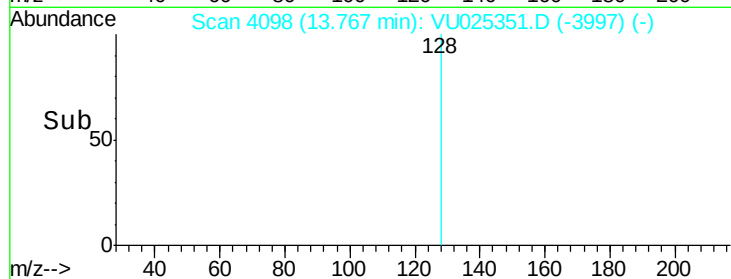
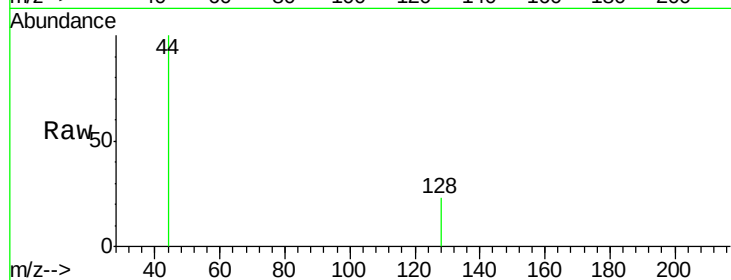
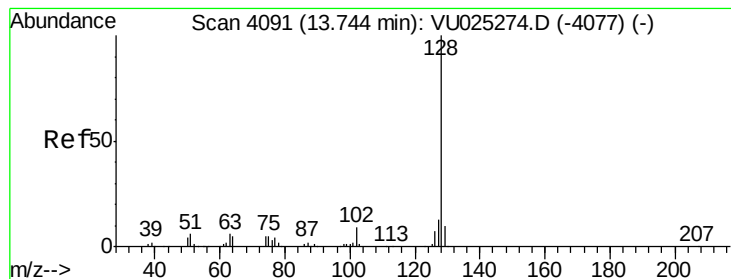
Tot Ion: 75 Resp: 82790
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0



#88
1,4-Dichlorobenzene
Concen: 1.50 ug/l
RT: 11.51 min Scan# 3395
Delta R.T. -0.00 min
Lab File: VU025351.D
Acq: 12 Jul 2018 19:58

Tgt Ion: 146 Resp: 72
Ion Ratio Lower Upper
146 100
111 0.0 19.4 58.1#
148 0.0 31.7 95.1#





#95

Napthalene

Concen: 2.44 ug/l

RT: 13.77 min Scan# 4098

Delta R.T. 0.02 min

Lab File: VU025351.D

Acq: 12 Jul 2018 19:58

Instrument :

MSVOA_U

ClientSampleId :

PB111044ZHE#06

Tot Ion:128 Resp: 277

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.3 12.5#

