

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061818\
 Data File : VU024724.D
 Acq On : 19 Jun 2018 05:32
 Operator : MD/SY
 Sample : J3535-13
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SS042MW007-180613

Quant Time: Jun 19 08:27:24 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	191595	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	297645	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	279639	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	148492	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	132231	42.28	ug/l	0.00
Spiked Amount 50.000			Recovery =	84.56%		
35) Dibromofluoromethane	4.89	113	116980	47.36	ug/l	0.00
Spiked Amount 50.000			Recovery =	94.72%		
50) Toluene-d8	7.57	98	438650	48.68	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.36%		
62) 4-Bromofluorobenzene	10.31	95	154508	43.19	ug/l	0.00
Spiked Amount 50.000			Recovery =	86.38%		

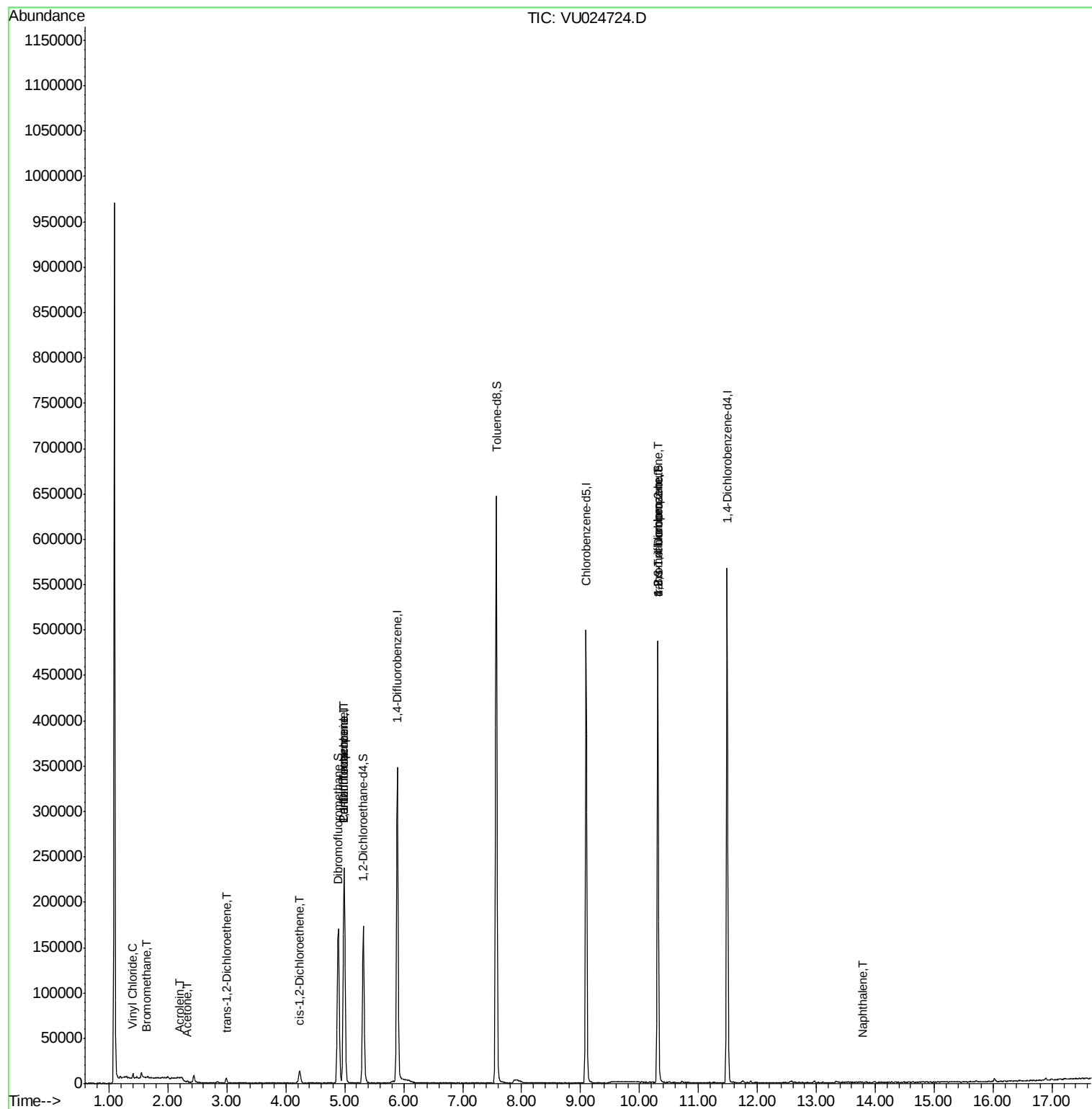
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	3442	1.362	ug/l	97
5) Bromomethane	1.64	94	509	0.417	ug/l #	52
6) Chloroethane	1.70	64	45	Below Cal	#	43
13) Acrolein	2.20	56	275	0.688	ug/l #	13
16) Acetone	2.32	43	1130	0.672	ug/l	99
21) trans-1,2-Dichloroethene	2.99	96	2574	1.071	ug/l	90
27) cis-1,2-Dichloroethene	4.23	96	8162	2.955	ug/l	86
31) Cyclohexane	4.99	56	3651	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	13404	3.832	ug/l #	51
38) Carbon Tetrachloride	4.99	117	17000	4.420	ug/l #	16
76) 1,2,3-Trichloropropane	10.31	75	78818	24.109	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	78818	55.798	ug/l #	100
95) Naphthalene	13.78	128	41	0.683	ug/l #	69

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

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Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024724.D

Acq: 19 Jun 2018 05:32

Instrument :

MSVOA_U

ClientSampleId :

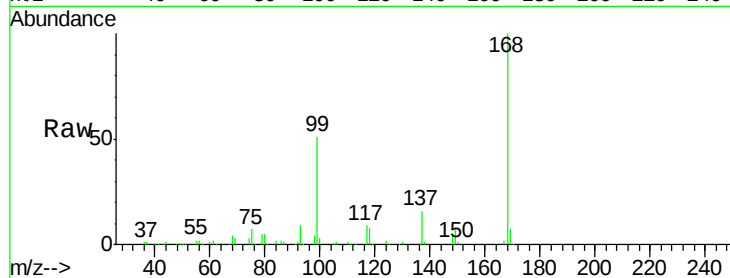
SS042MW007-180613

Tgt Ion:168 Resp: 191595

Ion Ratio Lower Upper

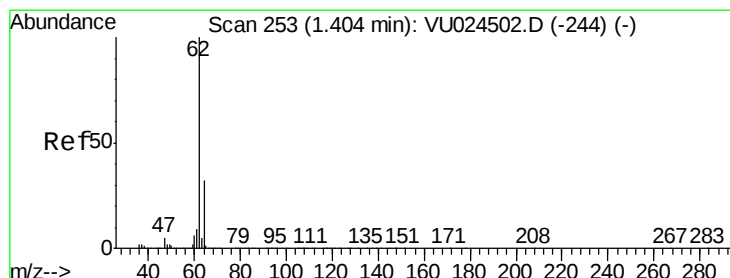
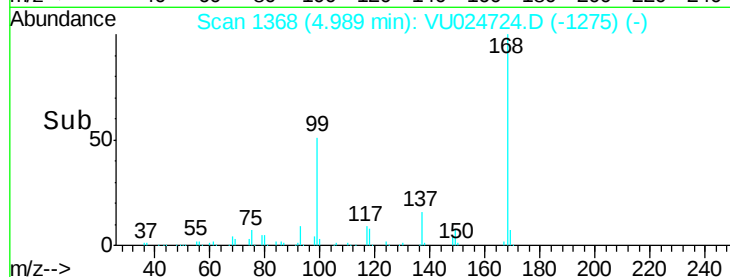
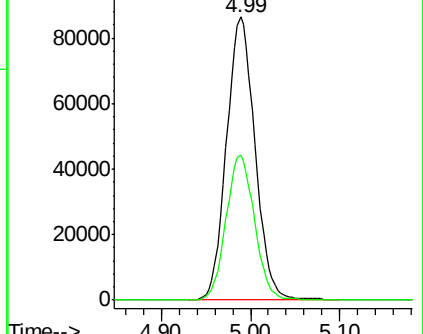
168 100

99 51.2 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#4

Vinyl Chloride

Concen: 1.362 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU024724.D

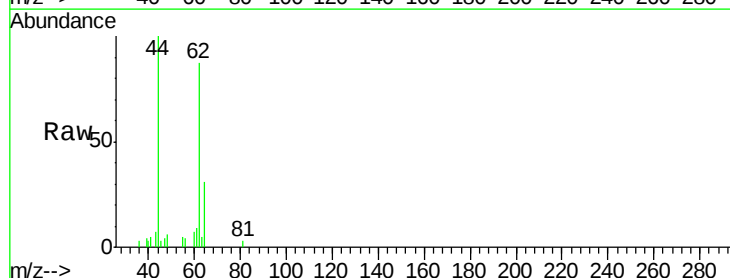
Acq: 19 Jun 2018 05:32

Tgt Ion: 62 Resp: 3442

Ion Ratio Lower Upper

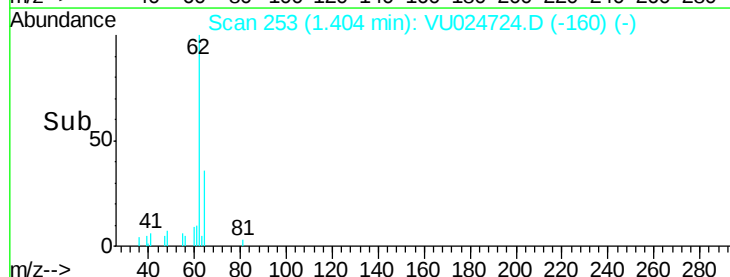
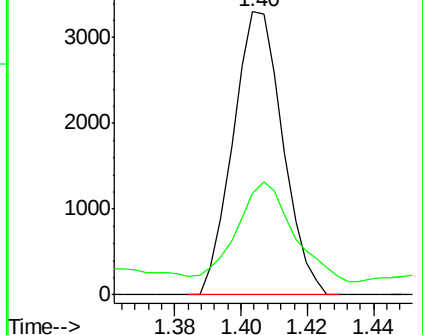
62 100

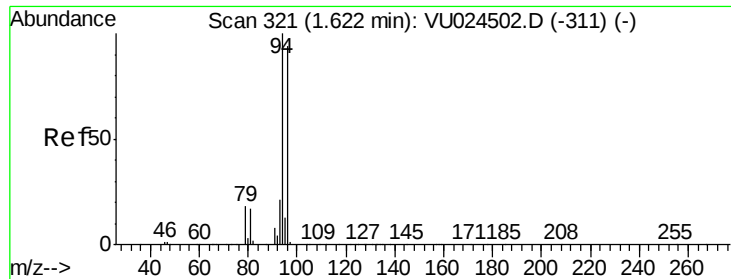
64 29.2 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 0.417 ug/l

RT: 1.64 min Scan# 325

Delta R.T. 0.01 min

Lab File: VU024724.D

Acq: 19 Jun 2018 05:32

Instrument :

MSVOA_U

ClientSampleId :

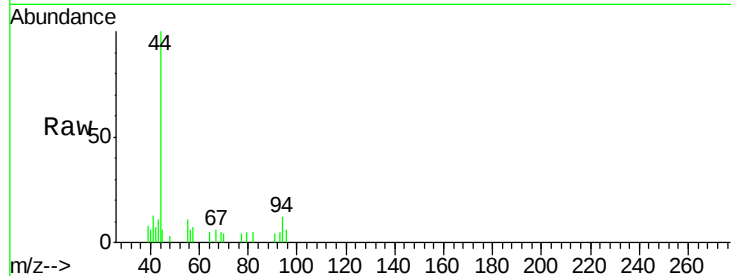
SS042MW007-180613

Tgt Ion: 94 Resp: 509

Ion Ratio Lower Upper

94 100

96 47.3 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0

1.64

300

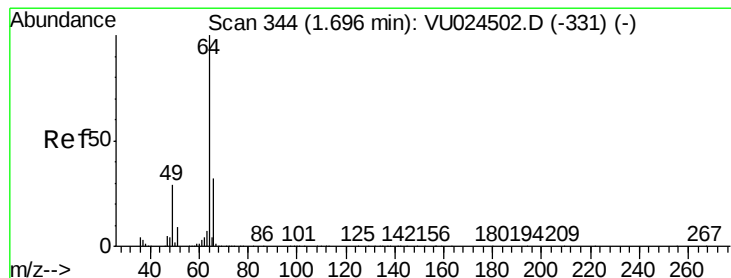
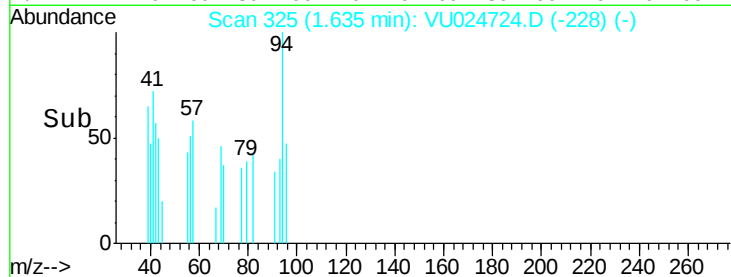
200

100

0

1.60 1.62 1.64 1.66 1.68

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 346

Delta R.T. 0.01 min

Lab File: VU024724.D

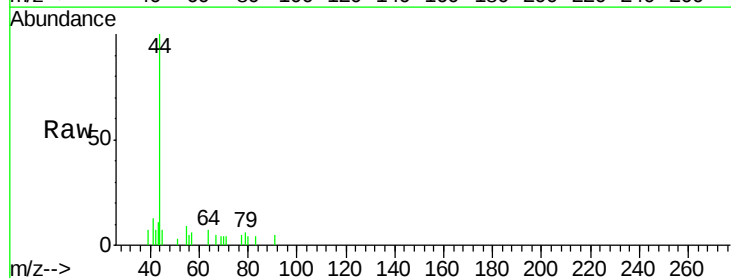
Acq: 19 Jun 2018 05:32

Tgt Ion: 64 Resp: 45

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

1.70

200

150

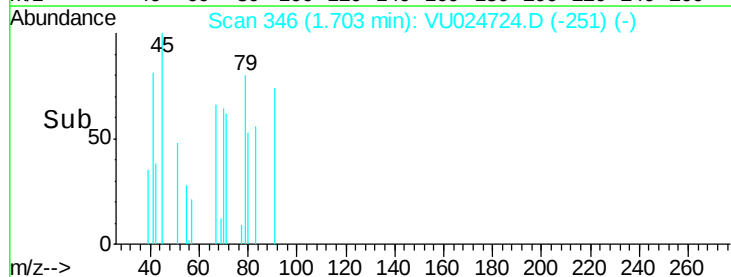
100

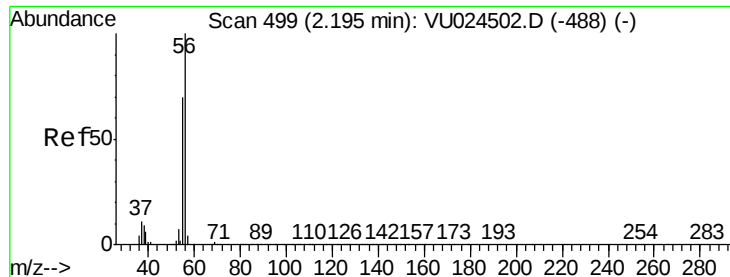
50

0

1.69 1.70 1.71

Time-->





#13

Acrolein

Concen: 0.688 ug/l

RT: 2.20 min Scan# 501

Delta R.T. 0.01 min

Lab File: VU024724.D

Acq: 19 Jun 2018 05:32

Instrument :

MSVOA_U

ClientSampleId :

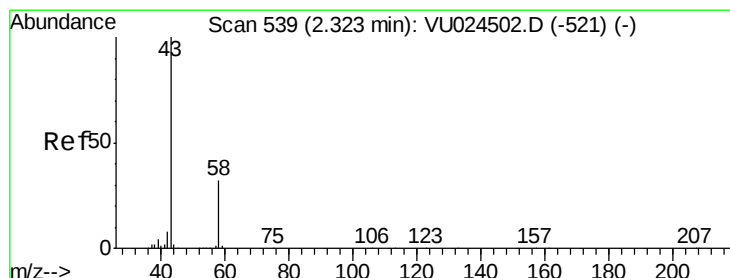
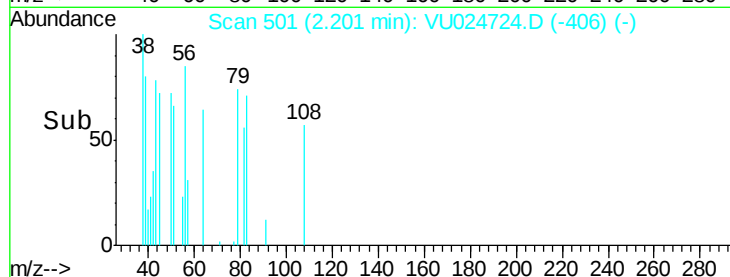
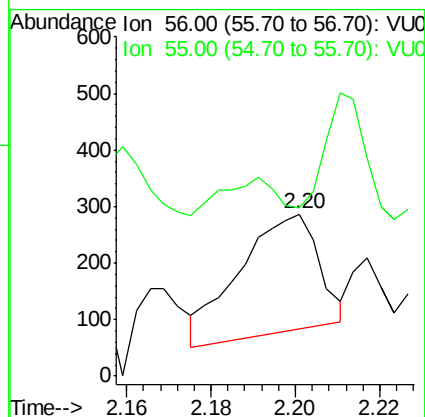
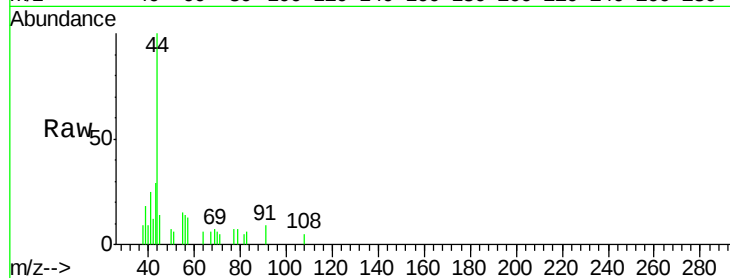
SS042MW007-180613

Tgt Ion: 56 Resp: 275

Ion Ratio Lower Upper

56 100

55 0.0 58.4 87.6#



#16

Acetone

Concen: 0.672 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU024724.D

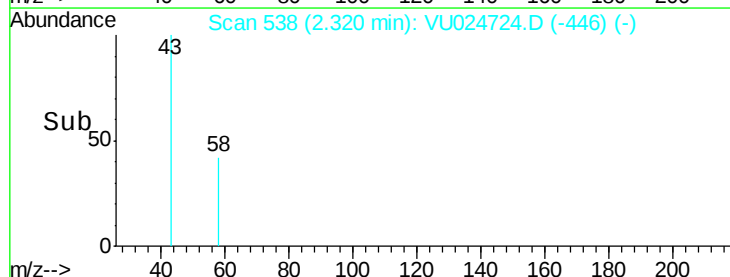
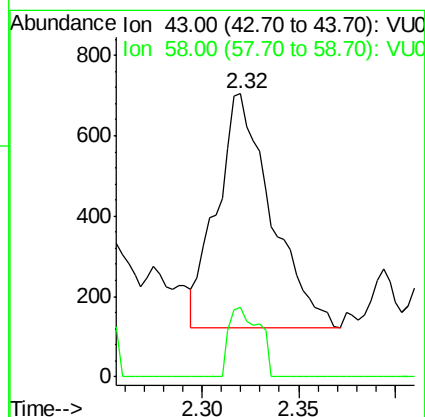
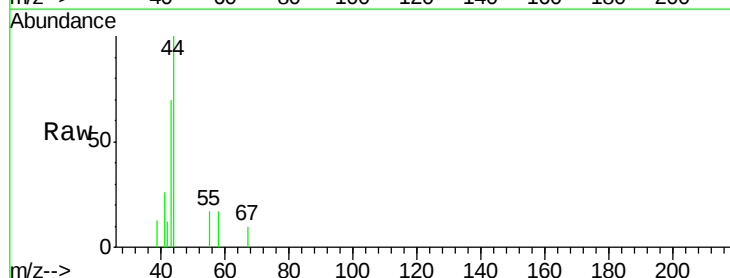
Acq: 19 Jun 2018 05:32

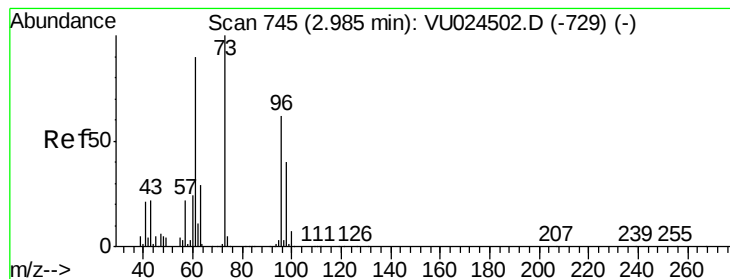
Tgt Ion: 43 Resp: 1130

Ion Ratio Lower Upper

43 100

58 29.8 24.4 36.6





#21

trans-1,2-Dichloroethene

Concen: 1.071 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU024724.D

Acq: 19 Jun 2018 05:32

Instrument :

MSVOA_U

ClientSampleId :

SS042MW007-180613

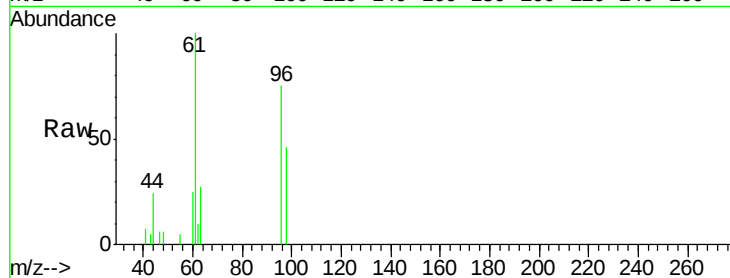
Tgt Ion: 96 Resp: 2574

Ion Ratio Lower Upper

96 100

61 133.3 119.4 179.0

98 61.5 51.1 76.7

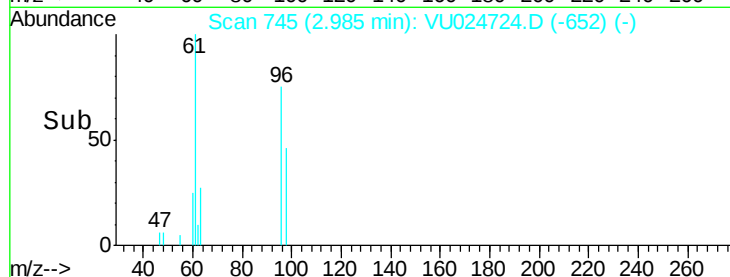


Abundance Ion 95.90 (95.60 to 96.60): VU024724.D (-1040) (-)

Ion 60.90 (60.60 to 61.60): VU024724.D (-1040) (-)

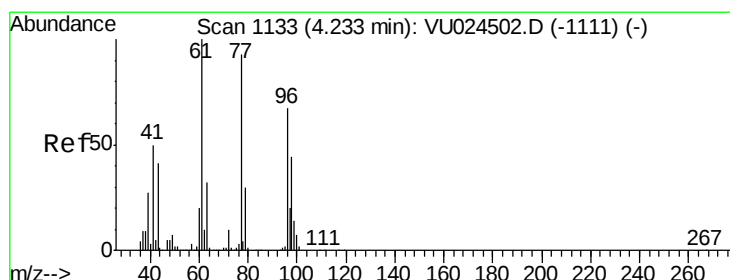
Ion 97.90 (97.60 to 98.60): VU024724.D (-1040) (-)

Time-->



2.99

Time-->



#27

cis-1,2-Dichloroethene

Concen: 2.955 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VU024724.D

Acq: 19 Jun 2018 05:32

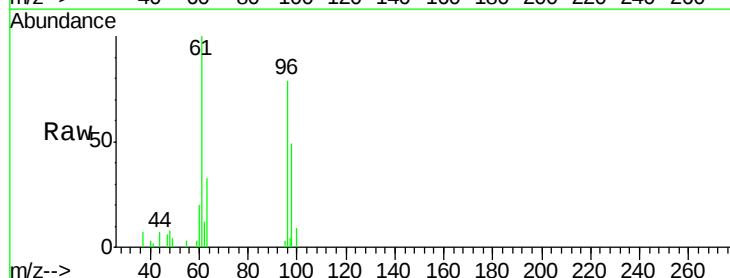
Tgt Ion: 96 Resp: 8162

Ion Ratio Lower Upper

96 100

61 127.0 0.0 306.6

98 64.2 0.0 128.8

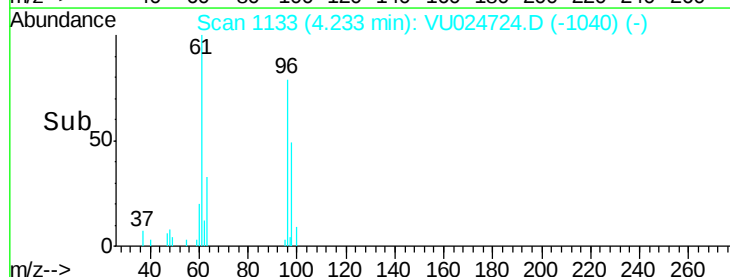


Abundance Ion 95.90 (95.60 to 96.60): VU024724.D (-1040) (-)

Ion 60.90 (60.60 to 61.60): VU024724.D (-1040) (-)

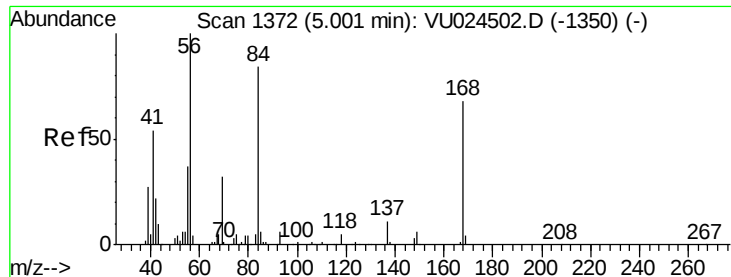
Ion 97.90 (97.60 to 98.60): VU024724.D (-1040) (-)

Time-->



4.23

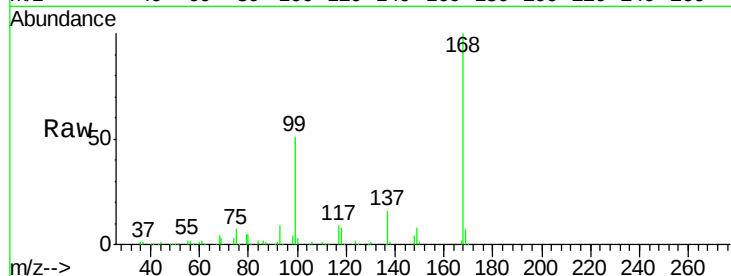
Time-->



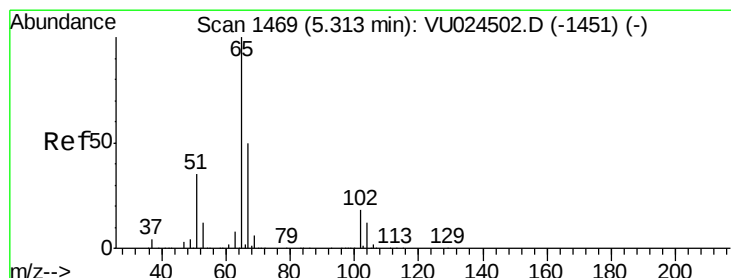
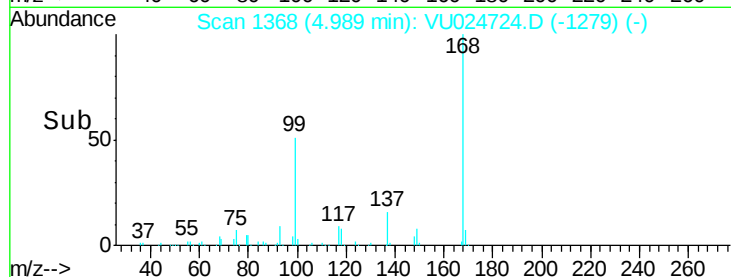
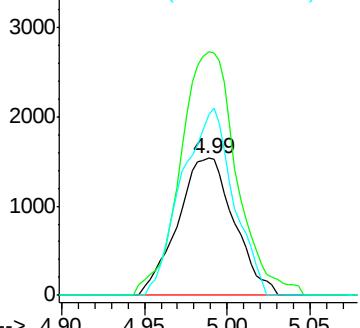
#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VU024724.D
Acq: 19 Jun 2018 05:32

Instrument :
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Tgt Ion: 56 Resp: 3651
Ion Ratio Lower Upper
56 100
69 177.6 24.8 37.2#
84 132.1 65.2 97.8#

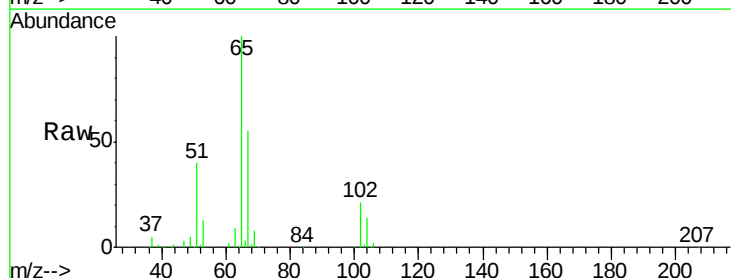


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

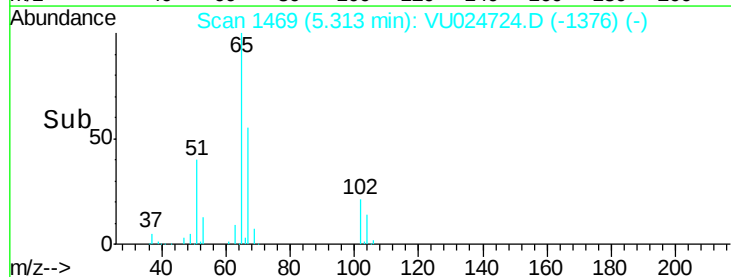
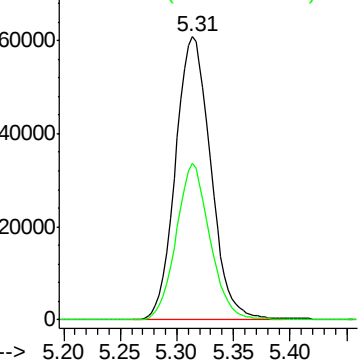


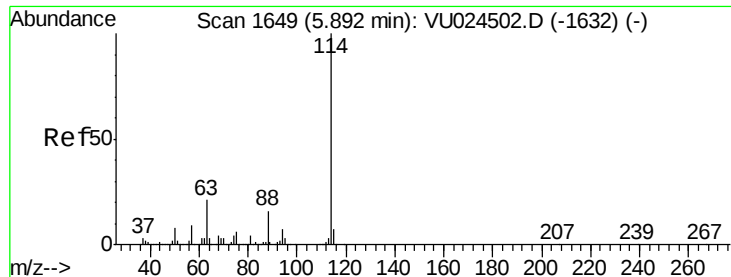
#33
1,2-Dichloroethane-d4
Concen: 42.276 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VU024724.D
Acq: 19 Jun 2018 05:32

Tgt Ion: 65 Resp: 132231
Ion Ratio Lower Upper
65 100
67 53.0 0.0 107.0



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.89 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VU024724.D

Acq: 19 Jun 2018 05:32

Instrument :

MSVOA_U

ClientSampleId :

SS042MW007-180613

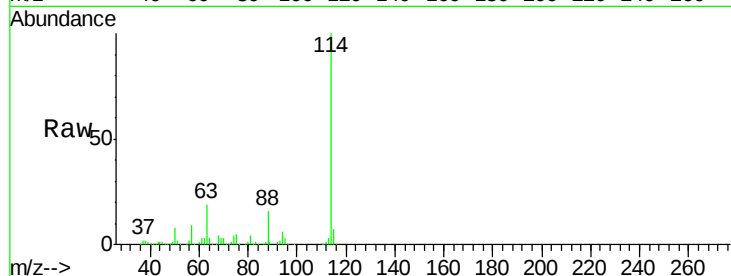
Tgt Ion:114 Resp: 297645

Ion Ratio Lower Upper

114 100

63 19.5 0.0 45.4

88 15.9 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

200000

150000

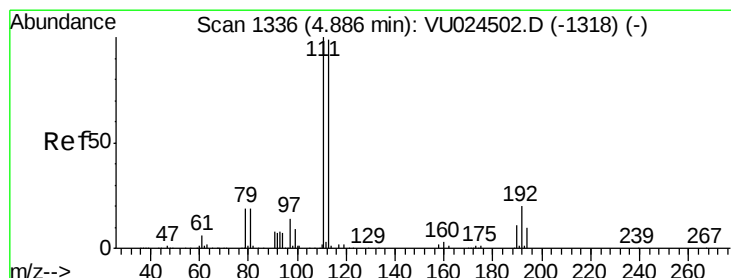
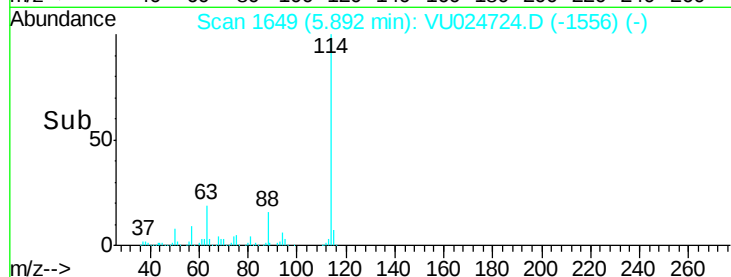
100000

50000

0

5.80 5.85 5.90 5.95 6.00

Time-->



#35

Dibromofluoromethane

Concen: 47.356 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024724.D

Acq: 19 Jun 2018 05:32

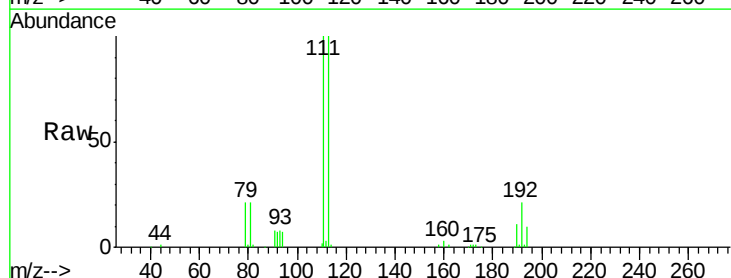
Tgt Ion:113 Resp: 116980

Ion Ratio Lower Upper

113 100

111 100.0 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

60000

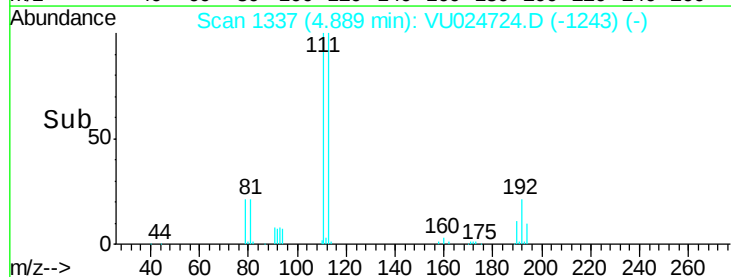
40000

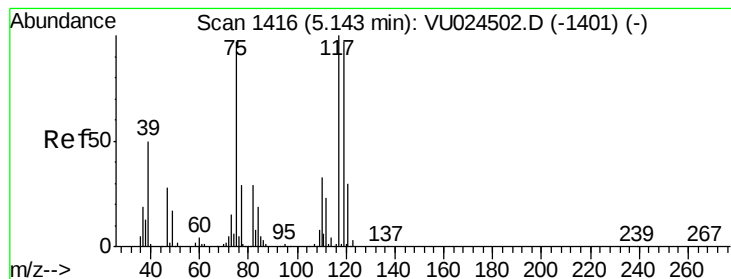
20000

0

4.80 4.85 4.90 4.95 5.00

Time-->





#36

1,1-Dichloropropene

Concen: 3.832 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.16 min

Lab File: VU024724.D

Acq: 19 Jun 2018 05:32

Instrument :

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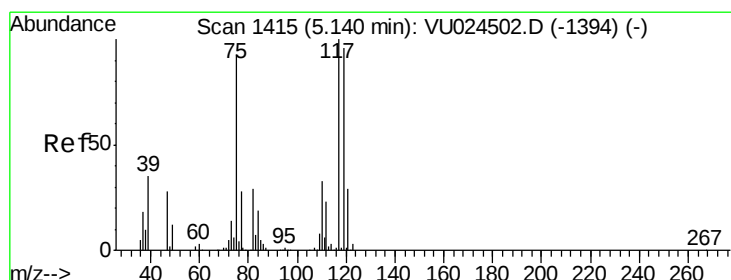
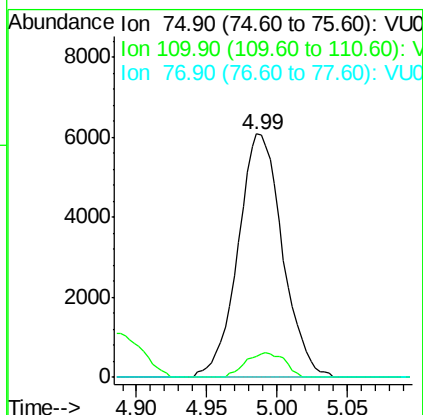
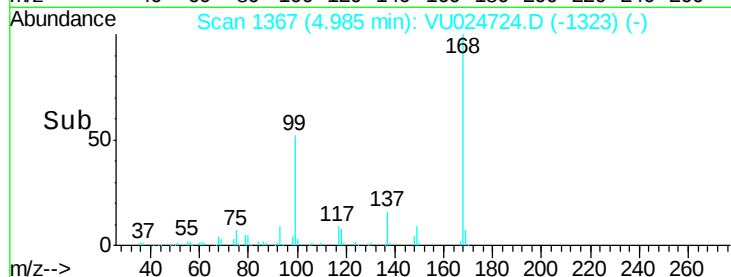
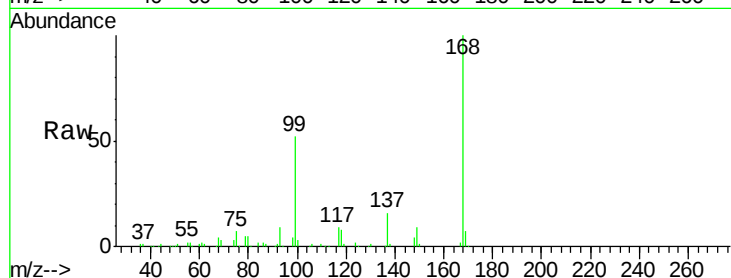
Tgt Ion: 75 Resp: 13404

Ion Ratio Lower Upper

75 100

110 9.0 17.0 50.9#

77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 4.420 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024724.D

Acq: 19 Jun 2018 05:32

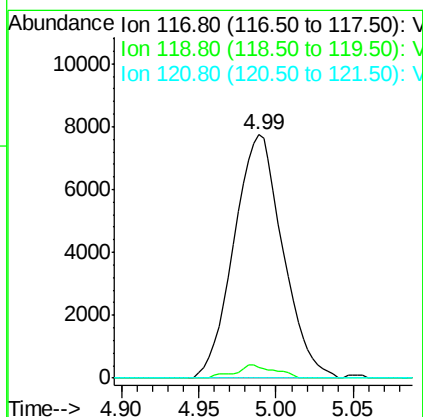
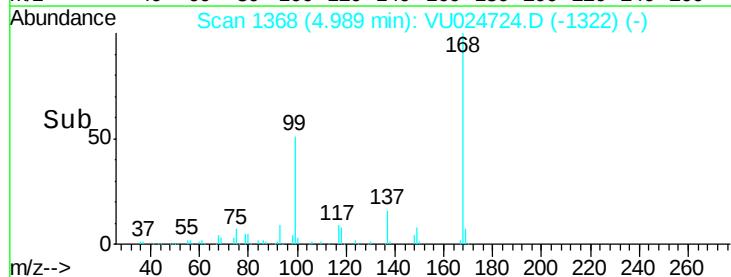
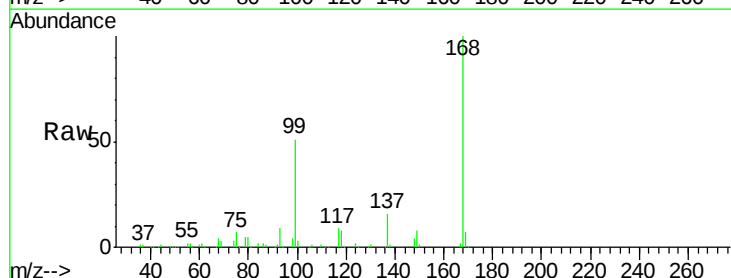
Tgt Ion: 117 Resp: 17000

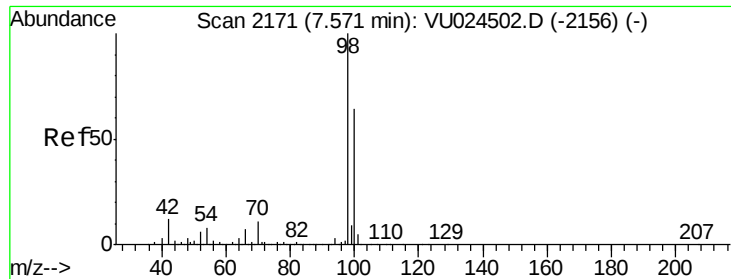
Ion Ratio Lower Upper

117 100

119 4.6 76.1 114.1#

121 0.0 23.7 35.5#

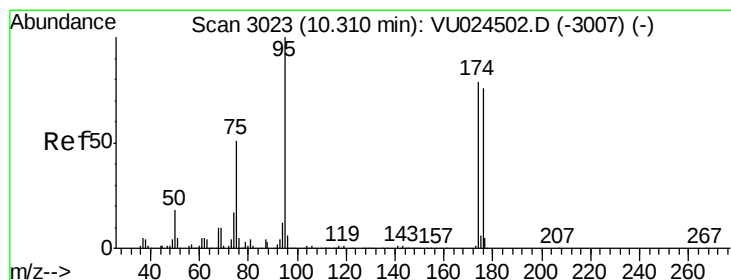
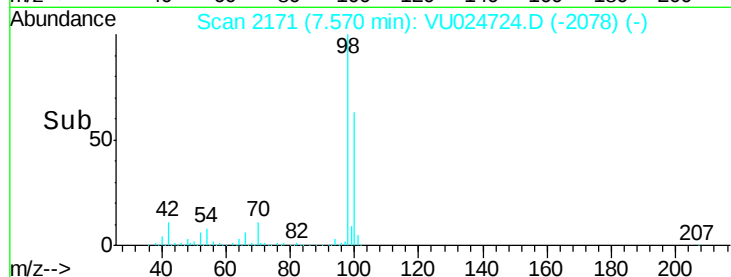
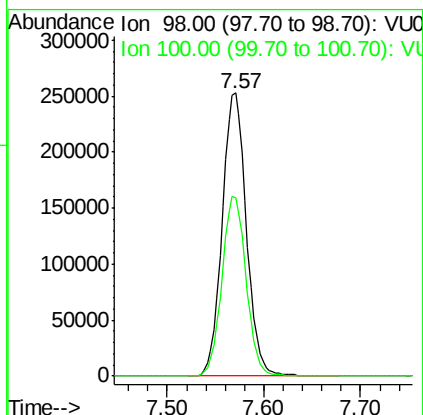
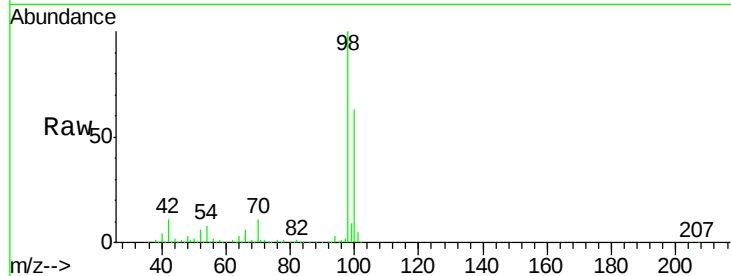




#50
Toluene-d8
Concen: 48.683 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VU024724.D
Acq: 19 Jun 2018 05:32

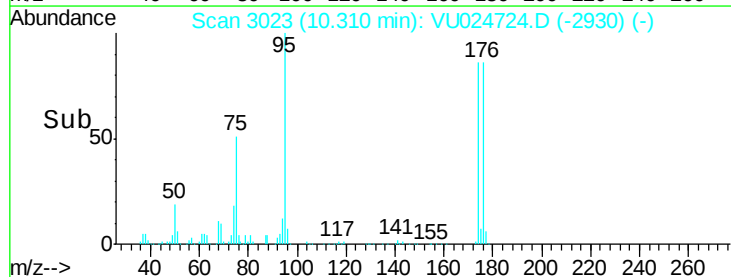
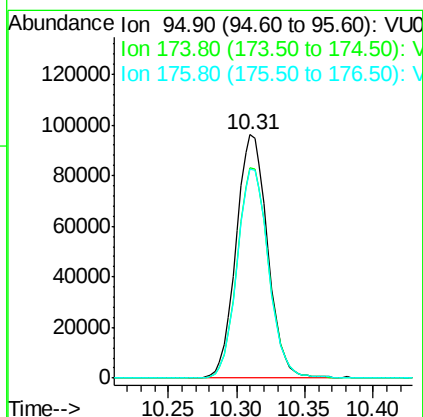
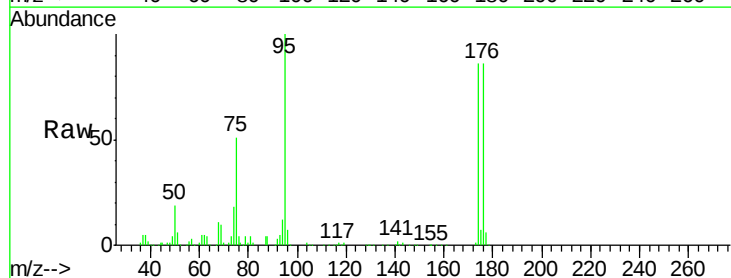
Instrument :
MSVOA_U
ClientSampleId :
SS042MW007-180613

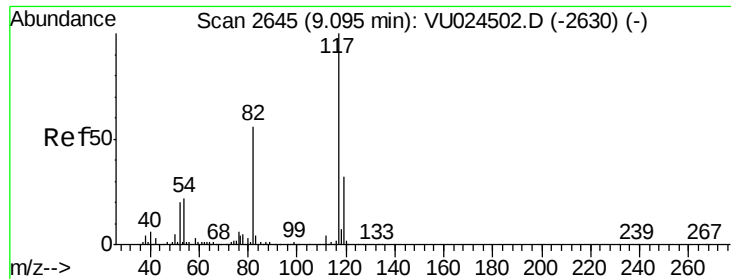
Tgt Ion: 98 Resp: 438650
Ion Ratio Lower Upper
98 100
100 63.5 51.1 76.7



#62
4-Bromofluorobenzene
Concen: 43.189 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU024724.D
Acq: 19 Jun 2018 05:32

Tgt Ion: 95 Resp: 154508
Ion Ratio Lower Upper
95 100
174 86.3 0.0 165.8
176 85.7 0.0 159.4

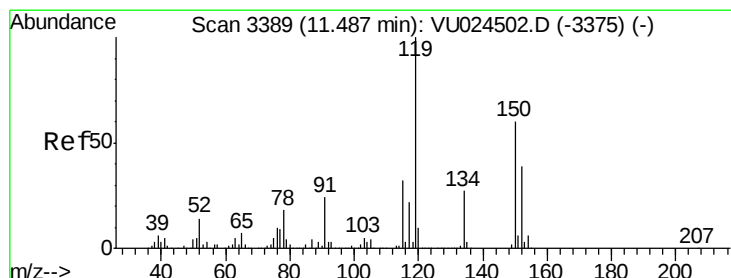
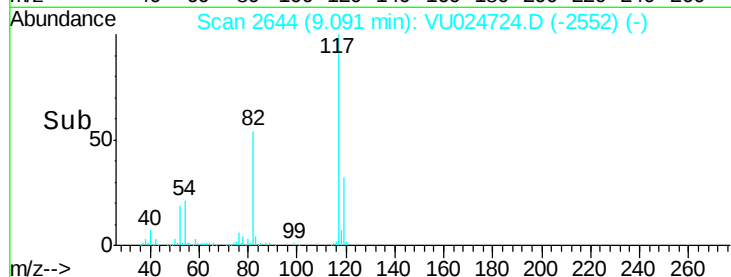
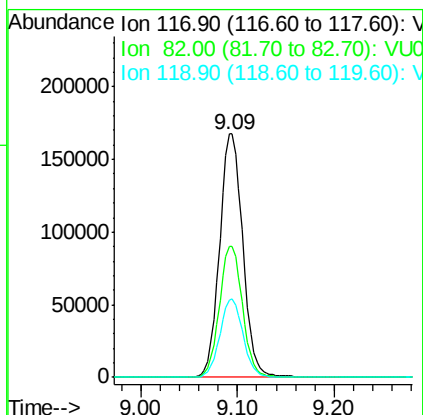
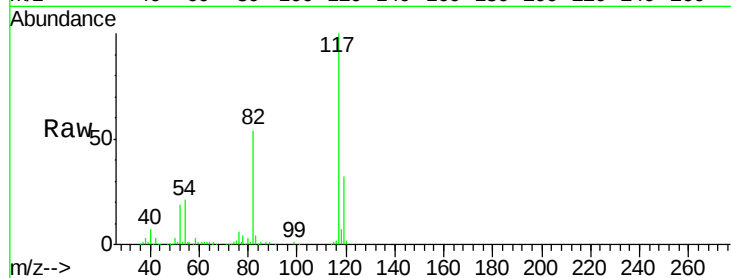




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024724.D
Acq: 19 Jun 2018 05:32

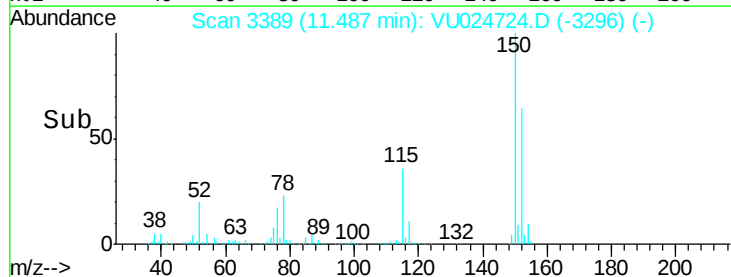
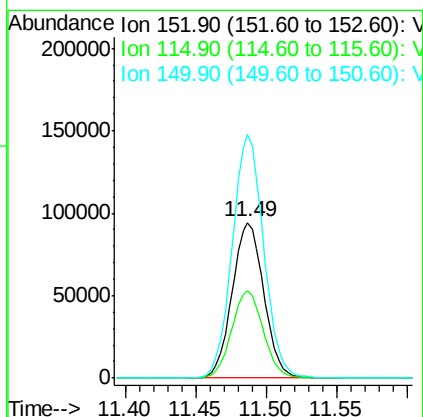
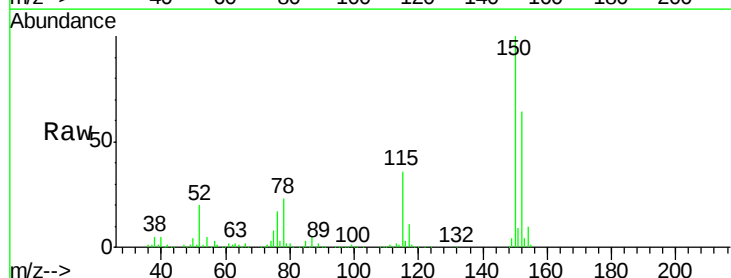
Instrument :
MSVOA_U
ClientSampleId :
SS042MW007-180613

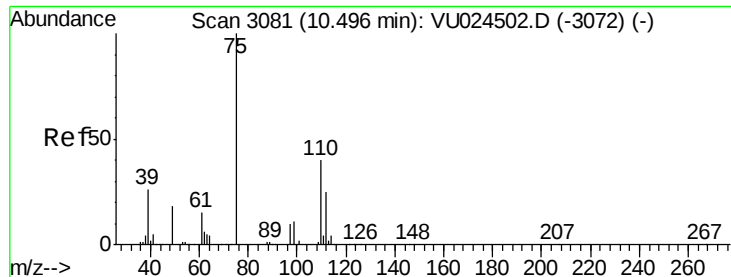
Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.9	44.3	66.5
119	31.9	25.4	38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VU024724.D
Acq: 19 Jun 2018 05:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	43.0	129.0
150	155.4	0.0	354.0





#76

1,2,3-Trichloropropane

Concen: 24.109 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024724.D

Acq: 19 Jun 2018 05:32

Instrument :

MSVOA_U

ClientSampleId :

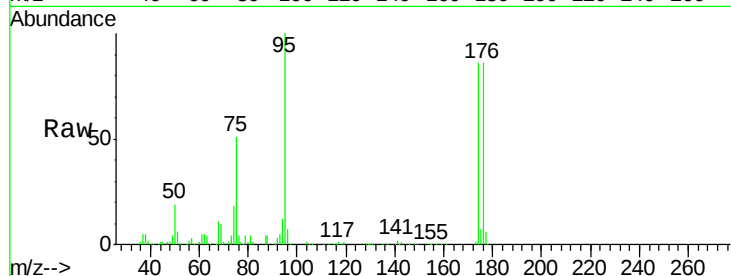
SS042MW007-180613

Tgt Ion: 75 Resp: 78818

Ion Ratio Lower Upper

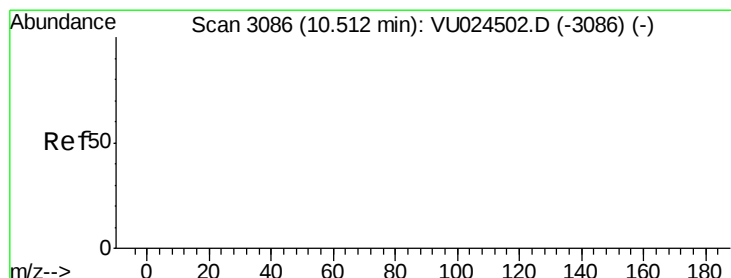
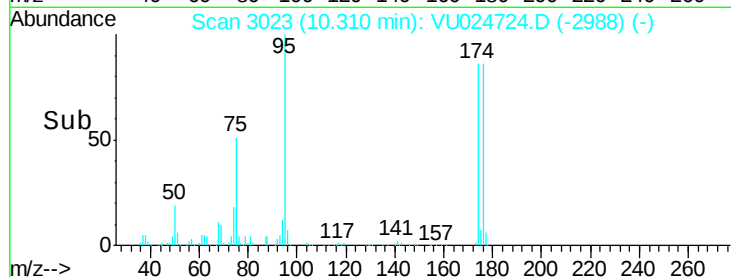
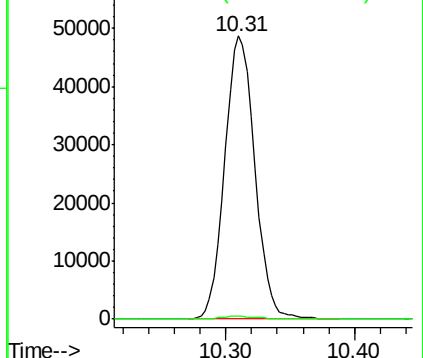
75 100

77 1.1 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0



#81

trans-1,4-Dichloro-2-butene

Concen: 55.798 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024724.D

Acq: 19 Jun 2018 05:32

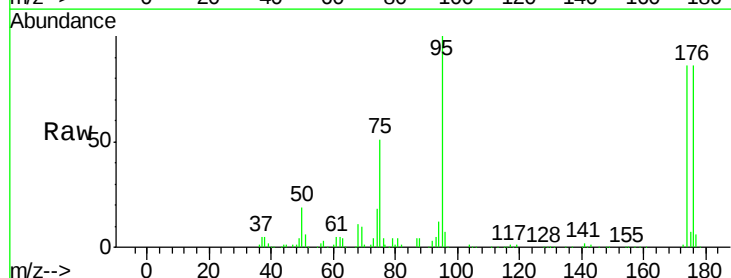
Tgt Ion: 75 Resp: 78818

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

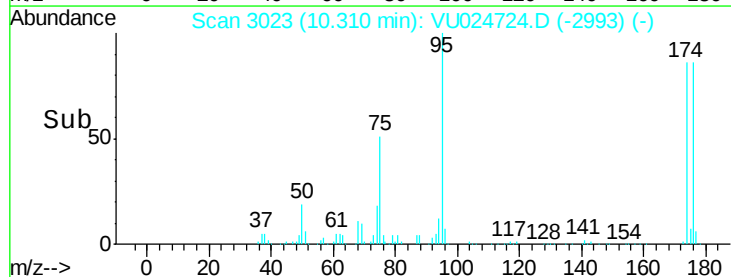
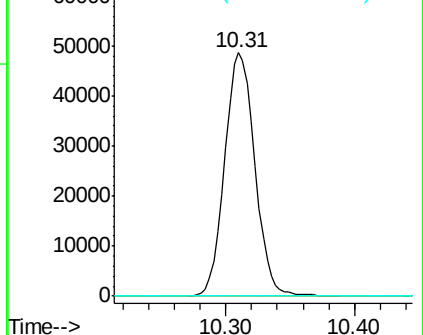
89 0.0 0.0 0.0

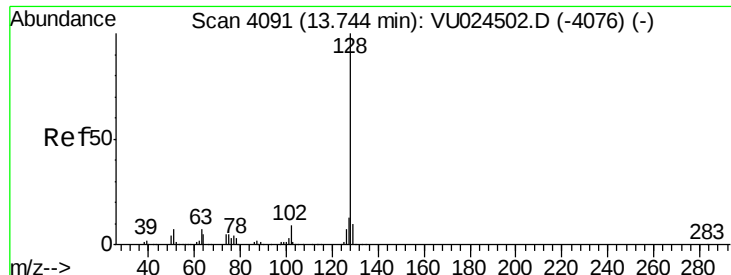


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#95

Naphthalene

Concen: 0.683 ug/l

RT: 13.78 min Scan# 4101

Delta R.T. 0.03 min

Lab File: VU024724.D

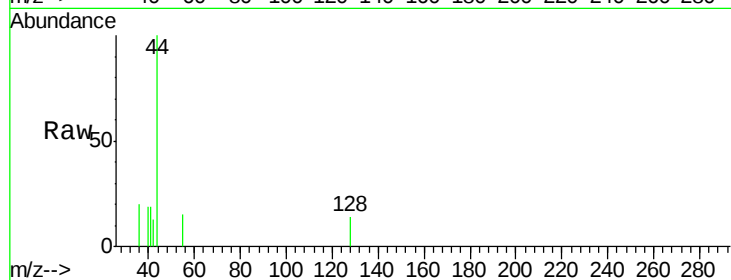
Acq: 19 Jun 2018 05:32

Instrument :

MSVOA_U

ClientSampleId :

SS042MW007-180613



Tgt Ion:	128	Resp:	41
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.6	12.8#

