

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062018\
 Data File : VU024794.D
 Acq On : 21 Jun 2018 06:53
 Operator : MD/SY
 Sample : J3585-13
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CKMW07

Quant Time: Jun 21 08:00:03 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	200008	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	305230	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	285105	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	155317	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	140060	42.90	ug/l	0.00
Spiked Amount			Recovery	=	85.80%	
35) Dibromofluoromethane	4.89	113	119888	47.33	ug/l	0.00
Spiked Amount			Recovery	=	94.66%	
50) Toluene-d8	7.57	98	446168	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	
62) 4-Bromofluorobenzene	10.31	95	165220	45.04	ug/l	0.00
Spiked Amount			Recovery	=	90.08%	

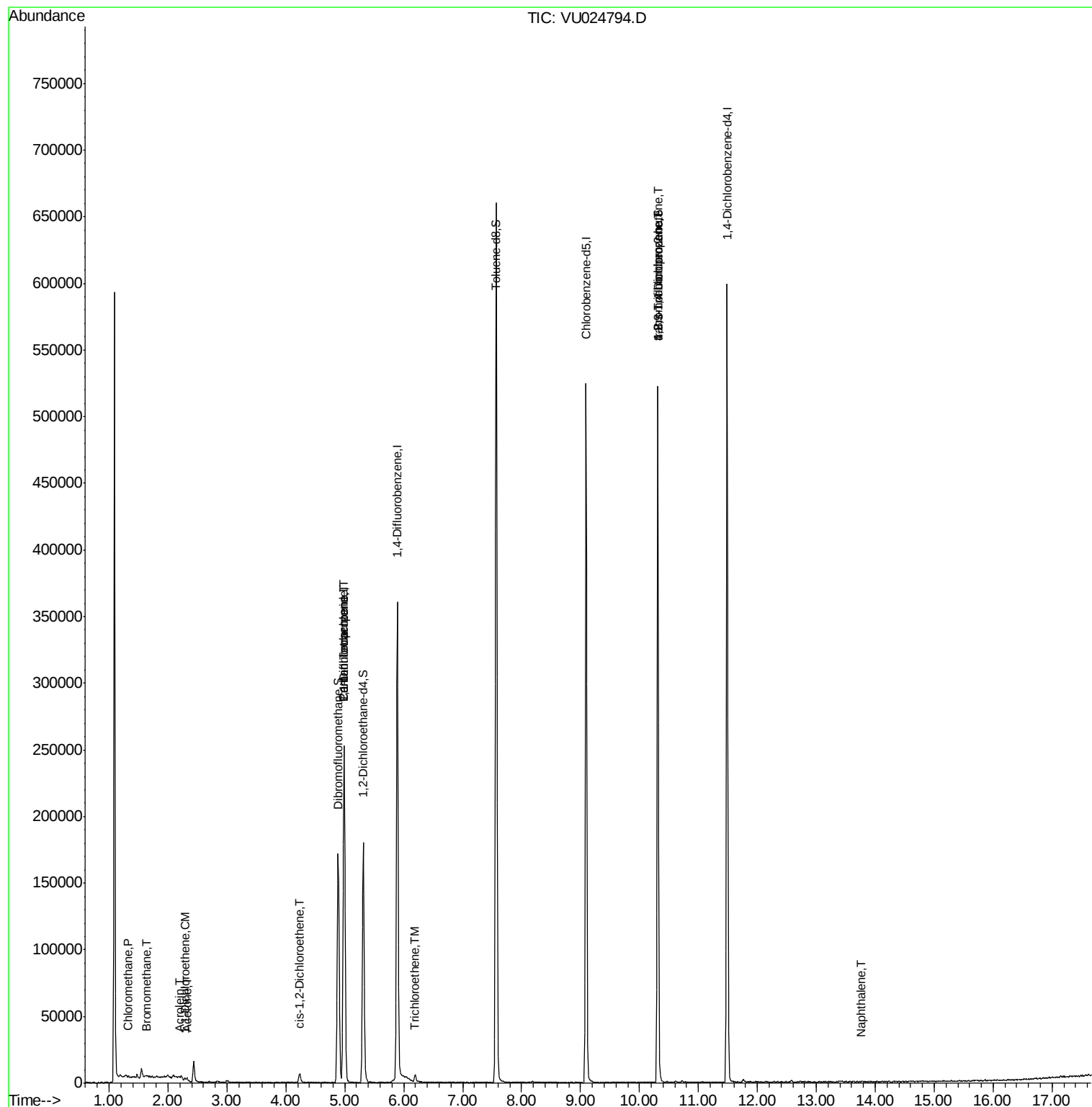
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	928	0.363	ug/l	98
5) Bromomethane	1.64	94	519	0.407	ug/l	89
6) Chloroethane	1.70	64	101	Below Cal	#	43
12) 1,1-Dichloroethene	2.29	96	667	0.293	ug/l #	84
13) Acrolein	2.20	56	214	0.513	ug/l #	47
16) Acetone	2.32	43	3185	1.815	ug/l #	88
27) cis-1,2-Dichloroethene	4.24	96	4031	1.398	ug/l	83
31) Cyclohexane	4.99	56	4271	Below Cal	#	6
36) 1,1-Dichloropropene	4.99	75	14370	4.006	ug/l #	52
38) Carbon Tetrachloride	4.99	117	18117	4.593	ug/l #	16
44) Trichloroethene	6.19	130	2128	0.732	ug/l	78
76) 1,2,3-Trichloropropane	10.31	75	85023	24.864	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	85023	57.546	ug/l #	100
95) Naphthalene	13.76	128	89	0.687	ug/l #	69

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VU024794.D

Acq: 21 Jun 2018 06:53

Instrument :

MSVOA_U

ClientSampleId :

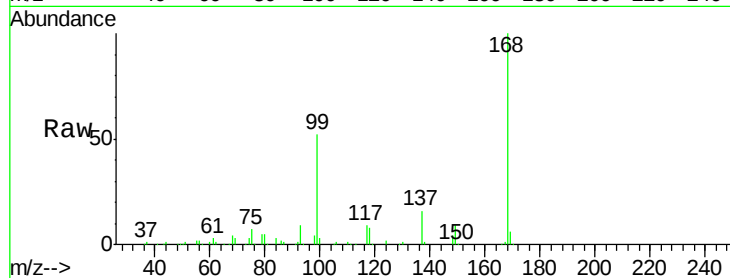
CKMW07

Tgt Ion:168 Resp: 200008

Ion Ratio Lower Upper

168 100

99 51.8 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D

Ion 98.90 (98.60 to 99.60): VU024502.D

4.99

100000

80000

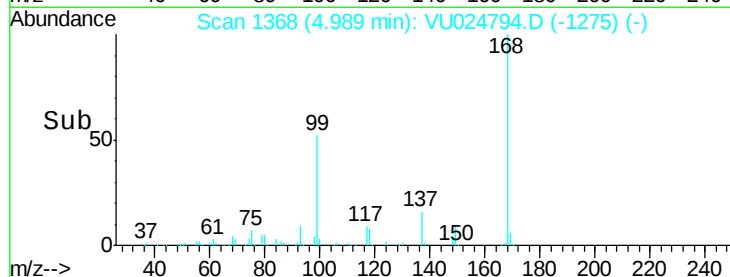
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.363 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU024794.D

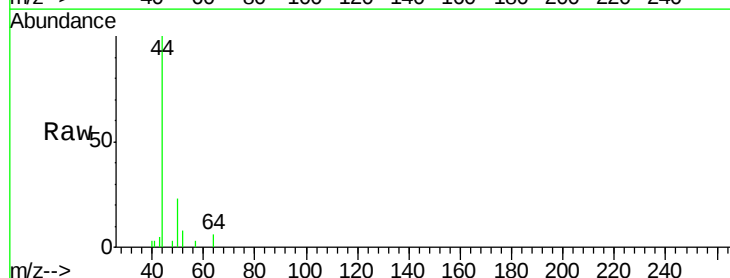
Acq: 21 Jun 2018 06:53

Tgt Ion: 50 Resp: 928

Ion Ratio Lower Upper

50 100

52 34.3 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU024502.D

Ion 51.90 (51.60 to 52.60): VU024502.D

1.33

1000

800

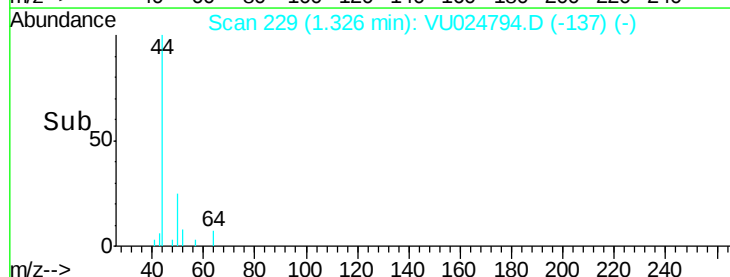
600

400

200

0

Time-->





#5

Bromomethane

Concen: 0.407 ug/l

RT: 1.64 min Scan# 325

Delta R.T. 0.01 min

Lab File: VU024794.D

Acq: 21 Jun 2018 06:53

Instrument :

MSVOA_U

ClientSampleId :

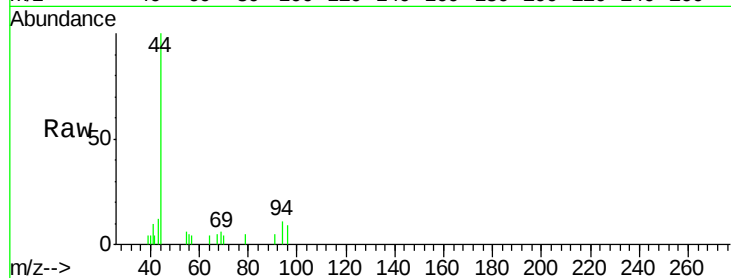
CKMW07

Tgt Ion: 94 Resp: 519

Ion Ratio Lower Upper

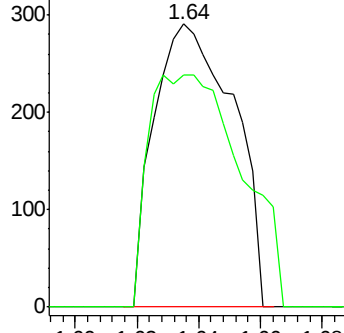
94 100

96 82.1 74.5 111.7

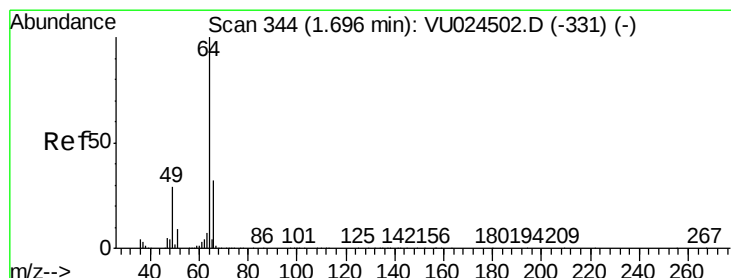
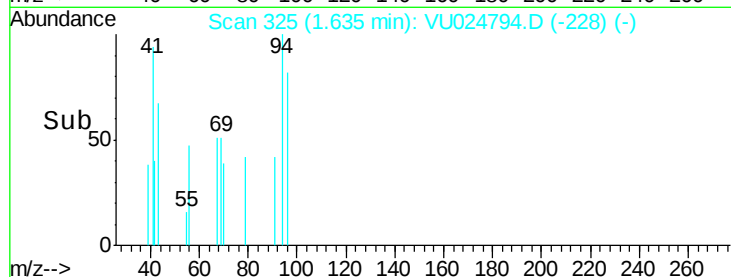


Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU024794.D

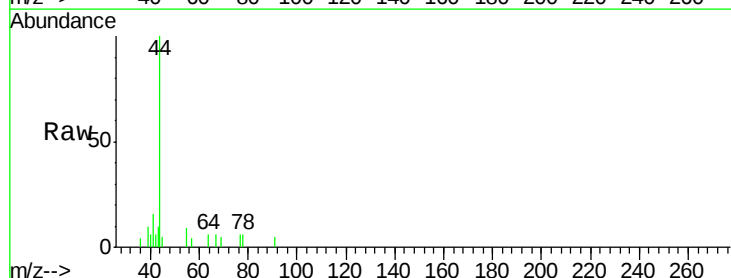
Acq: 21 Jun 2018 06:53

Tgt Ion: 64 Resp: 101

Ion Ratio Lower Upper

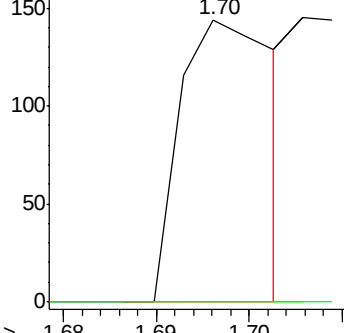
64 100

66 0.0 25.5 38.3#

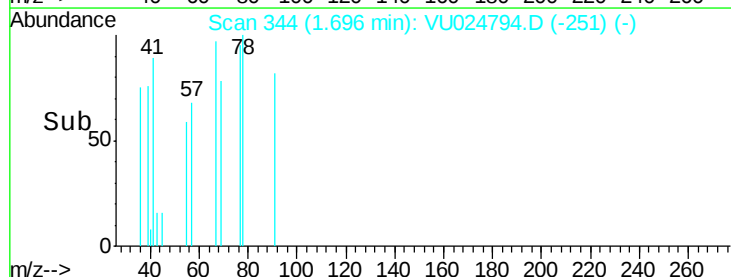


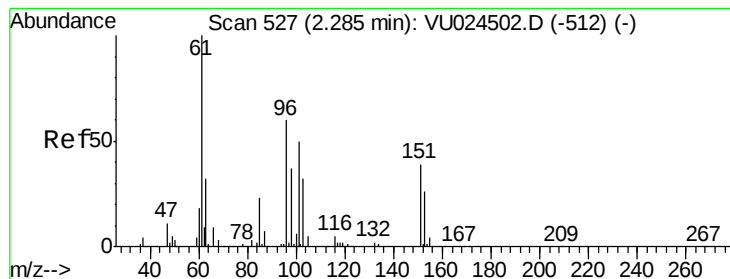
Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



Time-->





#12

1,1-Dichloroethene

Concen: 0.293 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.01 min

Lab File: VU024794.D

Acq: 21 Jun 2018 06:53

Instrument :

MSVOA_U

ClientSampleId :

CKMW07

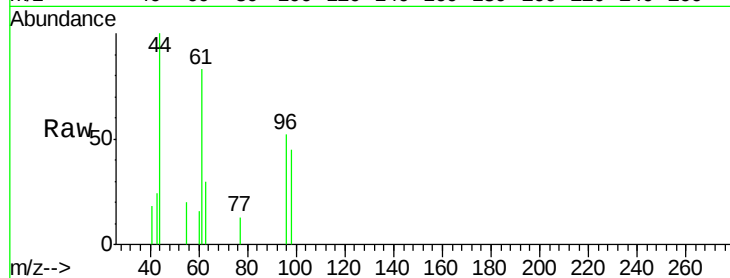
Tgt Ion: 96 Resp: 667

Ion Ratio Lower Upper

96 100

61 160.7 141.7 212.5

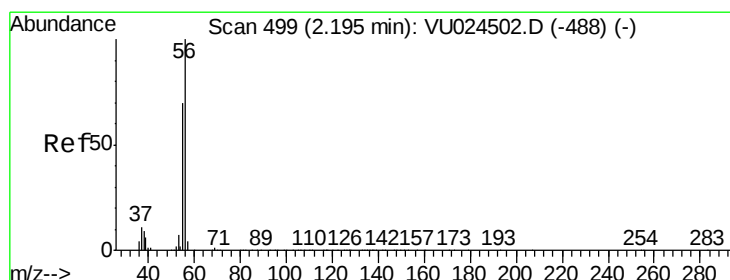
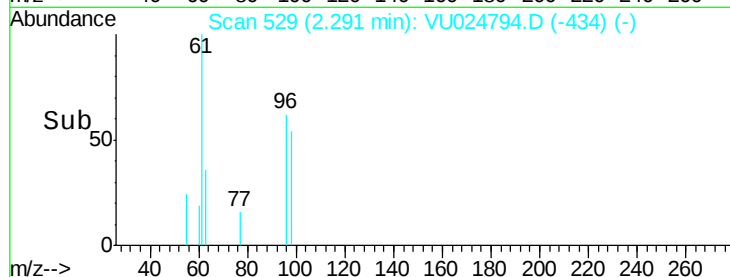
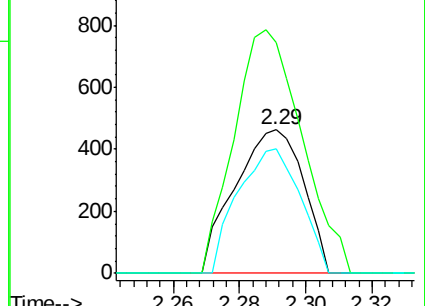
98 87.0 51.6 77.4#



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#13

Acrolein

Concen: 0.513 ug/l

RT: 2.20 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU024794.D

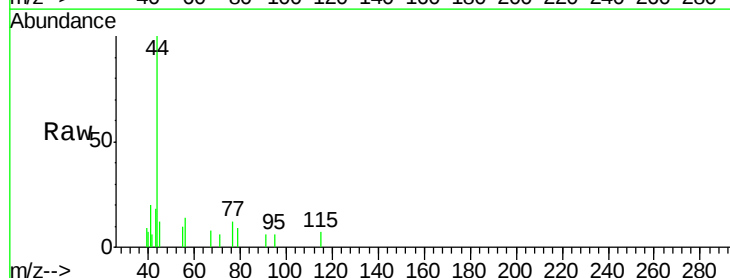
Acq: 21 Jun 2018 06:53

Tgt Ion: 56 Resp: 214

Ion Ratio Lower Upper

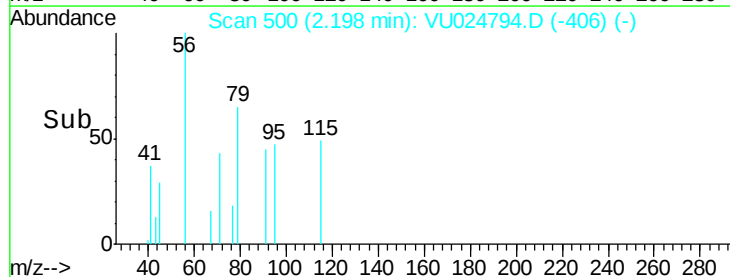
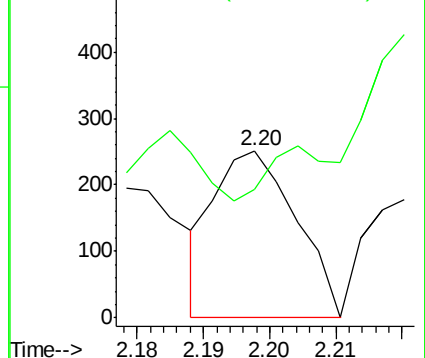
56 100

55 28.5 58.4 87.6#



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0





#16

Acetone

Concen: 1.815 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU024794.D

Acq: 21 Jun 2018 06:53

Instrument :

MSVOA_U

ClientSampleId :

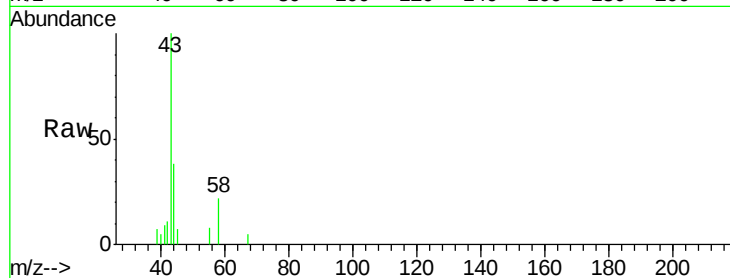
CKMW07

Tgt Ion: 43 Resp: 3185

Ion Ratio Lower Upper

43 100

58 24.1 24.4 36.6#



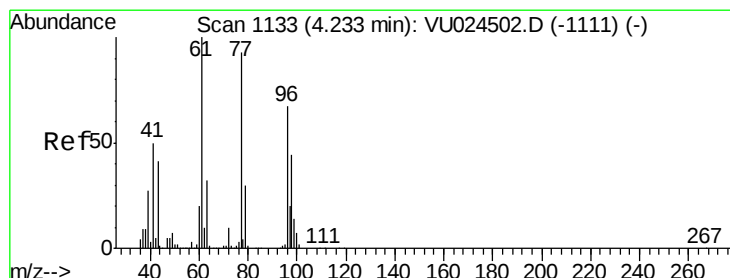
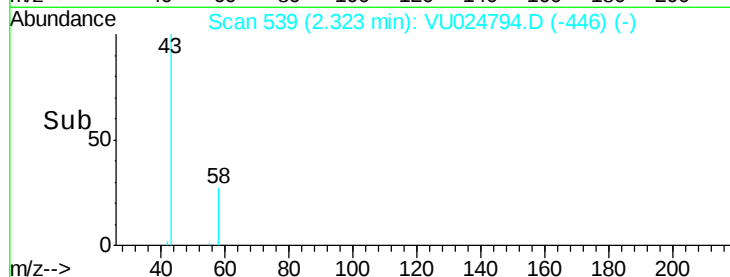
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

2.30 2.35

Time-->



#27

cis-1,2-Dichloroethene

Concen: 1.398 ug/l

RT: 4.24 min Scan# 1134

Delta R.T. 0.00 min

Lab File: VU024794.D

Acq: 21 Jun 2018 06:53

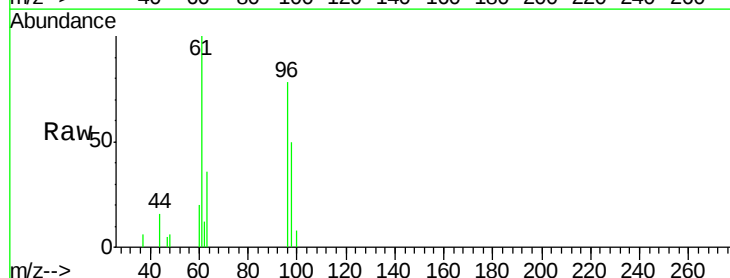
Tgt Ion: 96 Resp: 4031

Ion Ratio Lower Upper

96 100

61 124.9 0.0 306.6

98 67.6 0.0 128.8



Abundance Ion 95.90 (95.60 to 96.60): VU0

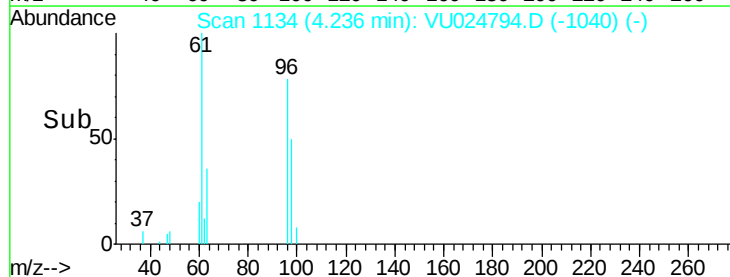
Ion 60.90 (60.60 to 61.60): VU0

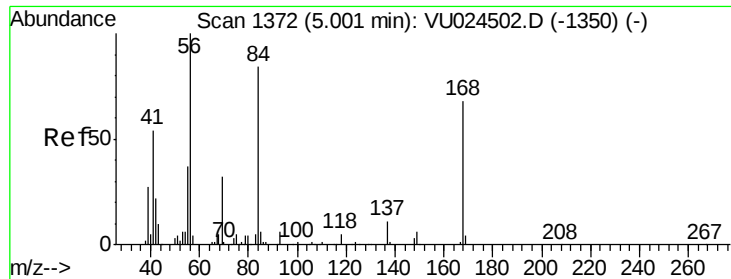
Ion 97.90 (97.60 to 98.60): VU0

4.24

4.15 4.20 4.25 4.30

Time-->

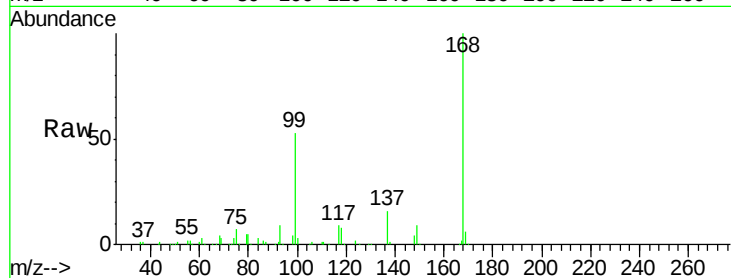




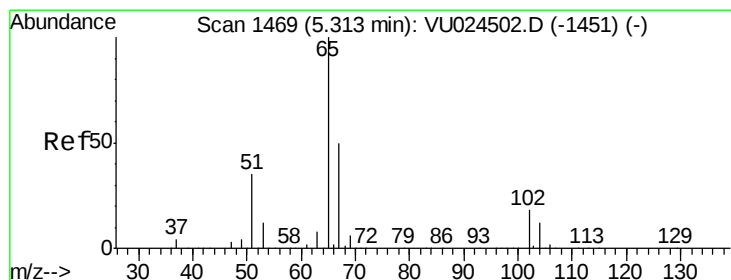
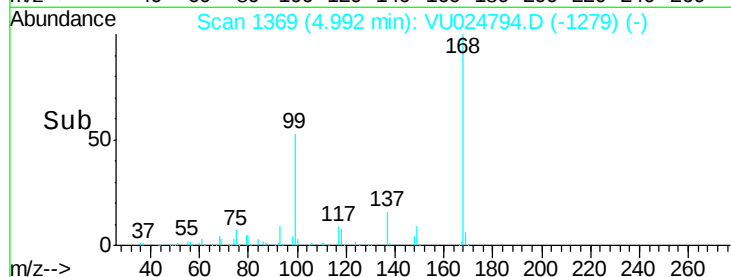
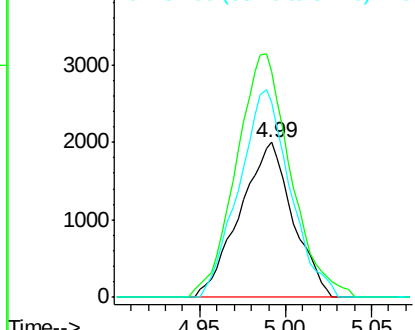
#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1369
Delta R.T. -0.01 min
Lab File: VU024794.D
Acq: 21 Jun 2018 06:53

Instrument :
MSVOA_U
ClientSampleId :
CKMW07

Tgt Ion: 56 Resp: 4271
Ion Ratio Lower Upper
56 100
69 146.1 24.8 37.2#
84 126.0 65.2 97.8#

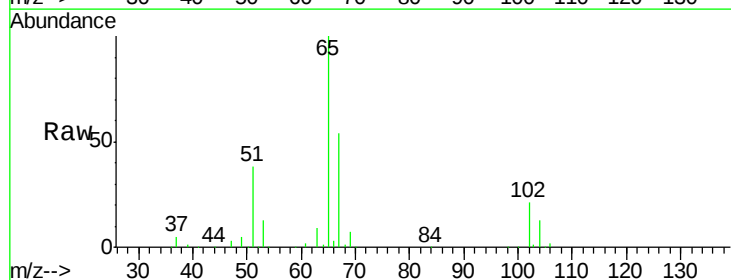


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

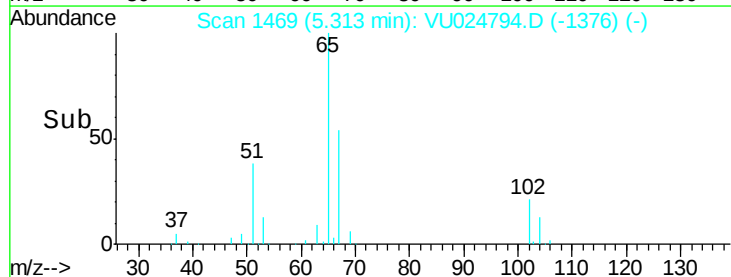
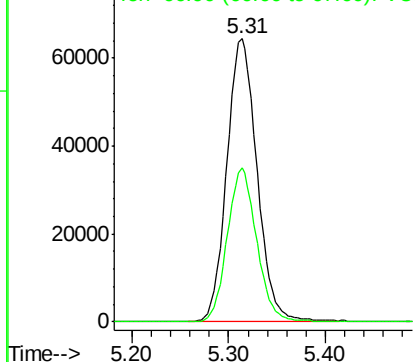


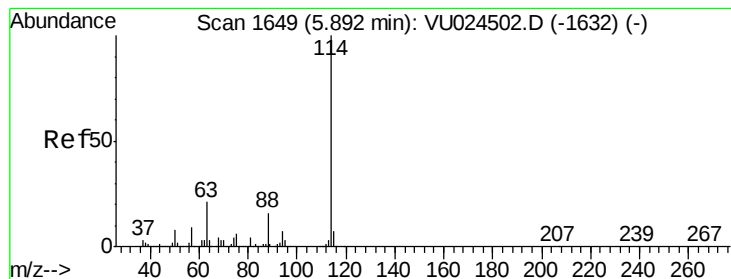
#33
1,2-Dichloroethane-d4
Concen: 42.895 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VU024794.D
Acq: 21 Jun 2018 06:53

Tgt Ion: 65 Resp: 140060
Ion Ratio Lower Upper
65 100
67 52.9 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# 1648

Delta R.T. -0.00 min

Lab File: VU024794.D

Acq: 21 Jun 2018 06:53

Instrument :

MSVOA_U

ClientSampleId :

CKMW07

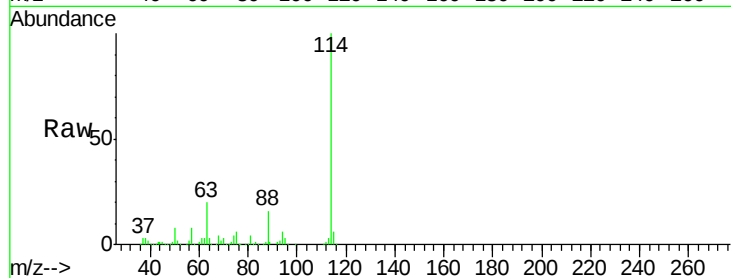
Tgt Ion:114 Resp: 305230

Ion Ratio Lower Upper

114 100

63 20.1 0.0 45.4

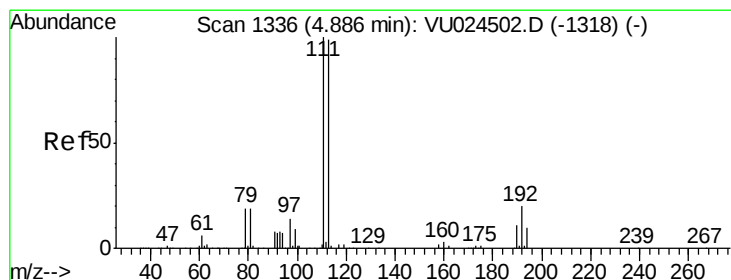
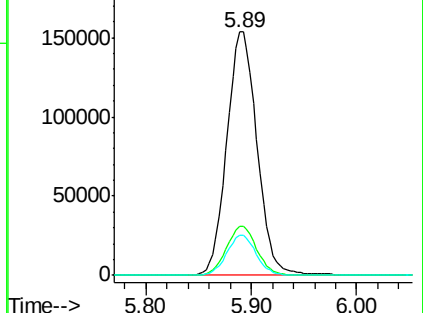
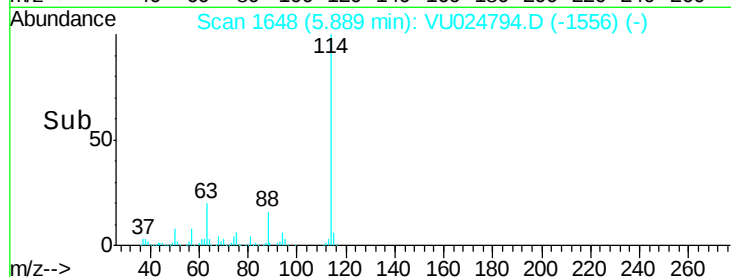
88 16.4 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 47.327 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024794.D

Acq: 21 Jun 2018 06:53

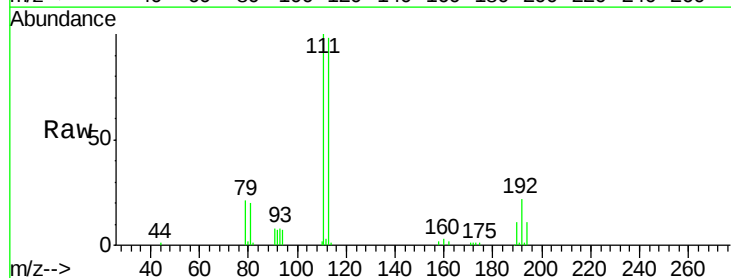
Tgt Ion:113 Resp: 119888

Ion Ratio Lower Upper

113 100

111 99.9 82.2 123.4

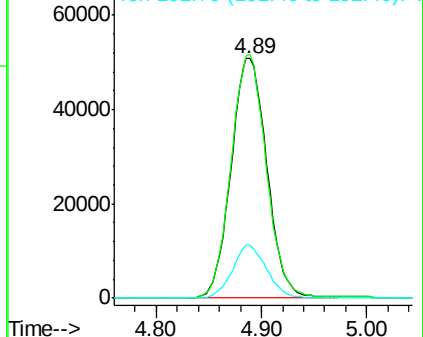
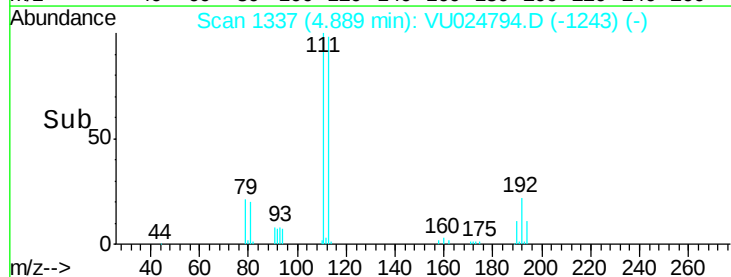
192 21.1 16.2 24.4

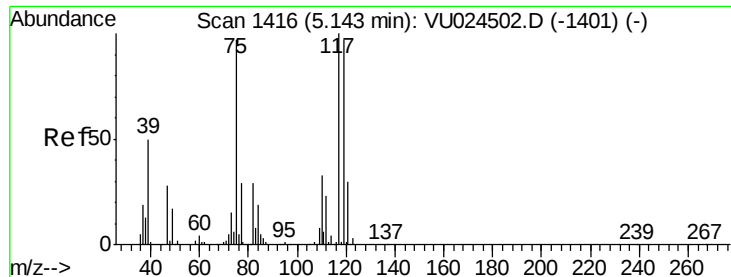


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.006 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024794.D

Acq: 21 Jun 2018 06:53

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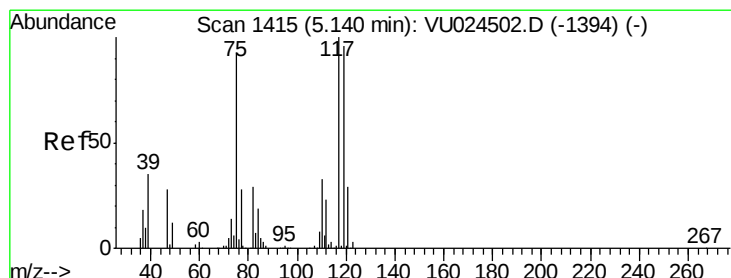
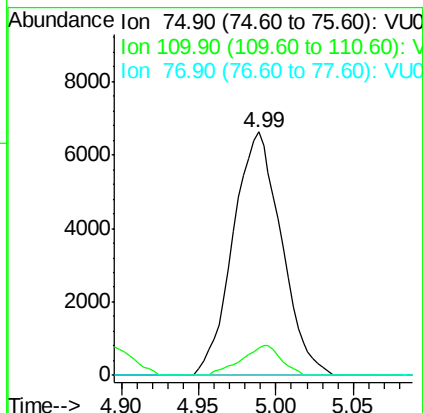
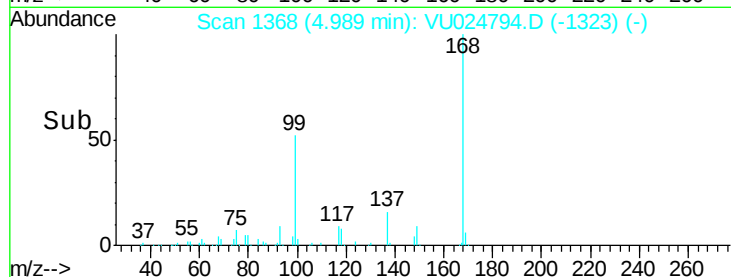
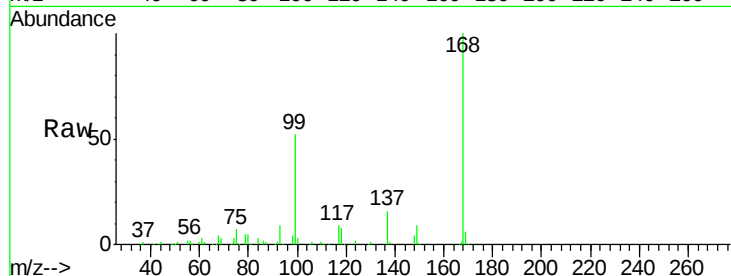
Tgt Ion: 75 Resp: 14370

Ion Ratio Lower Upper

75 100

110 10.1 17.0 50.9#

77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 4.593 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024794.D

Acq: 21 Jun 2018 06:53

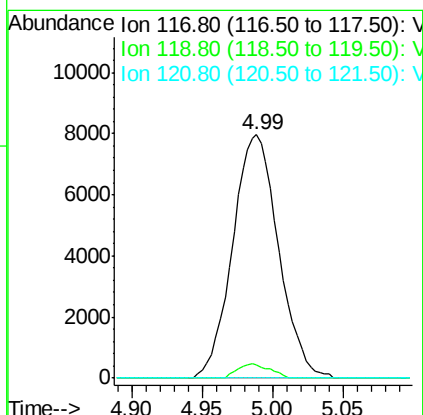
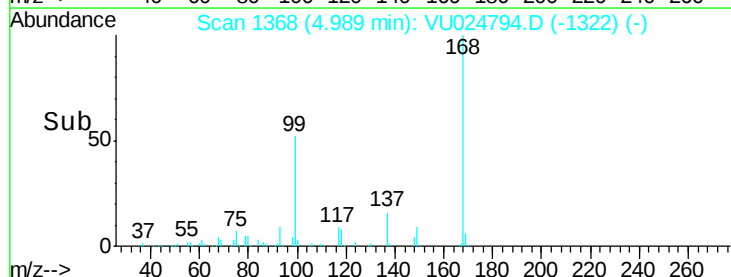
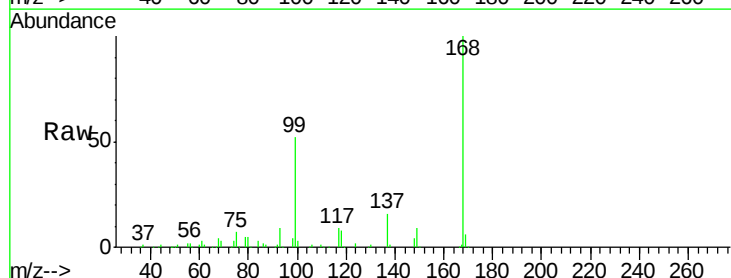
Tgt Ion: 117 Resp: 18117

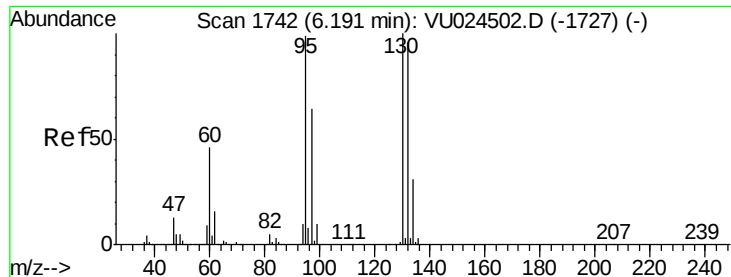
Ion Ratio Lower Upper

117 100

119 5.2 76.1 114.1#

121 0.0 23.7 35.5#





#44

Trichloroethene

Concen: 0.732 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU024794.D

Acq: 21 Jun 2018 06:53

Instrument :

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ClientSampleId :

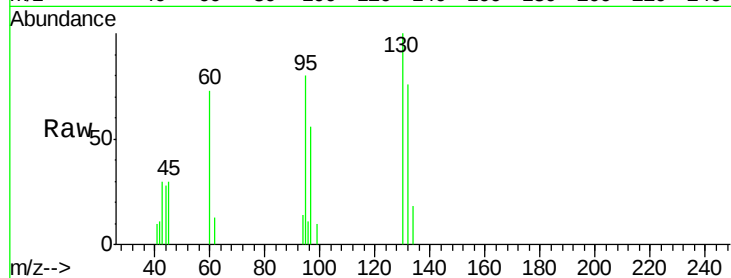
CKMW07

Tgt Ion:130 Resp: 2128

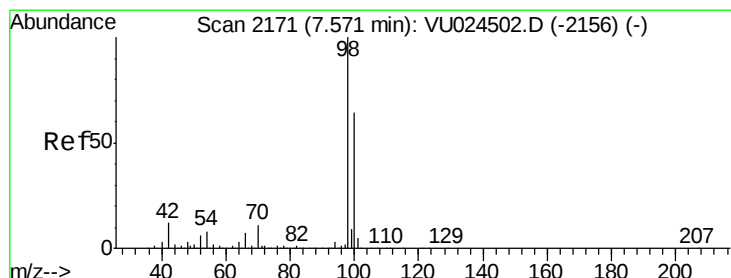
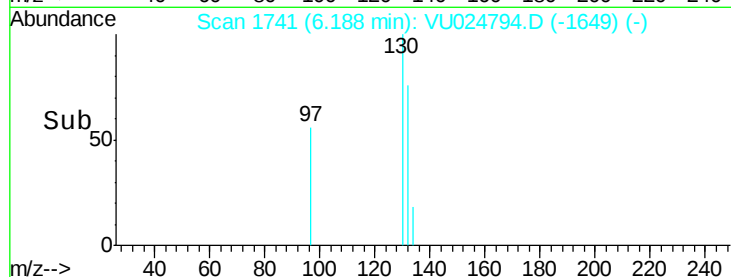
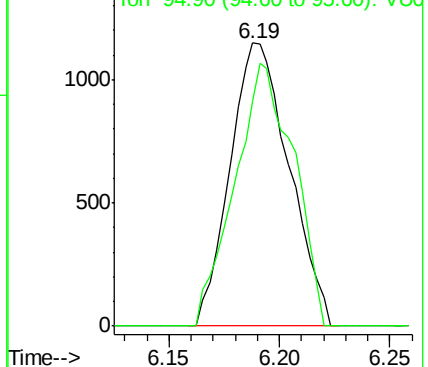
Ion Ratio Lower Upper

130 100

95 79.5 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): VU024794.D (-1649) (-)



#50

Toluene-d8

Concen: 48.287 ug/l

RT: 7.57 min Scan# 2171

Delta R.T. 0.00 min

Lab File: VU024794.D

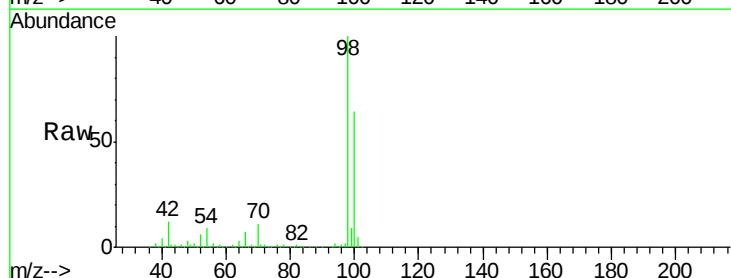
Acq: 21 Jun 2018 06:53

Tgt Ion: 98 Resp: 446168

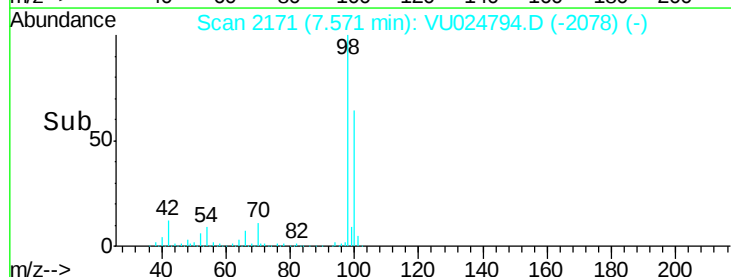
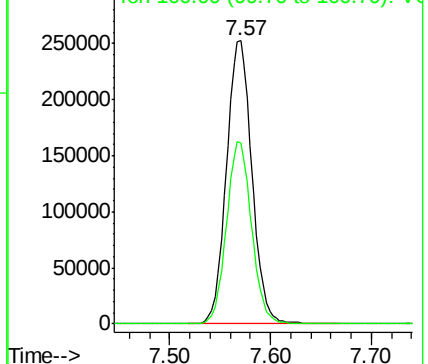
Ion Ratio Lower Upper

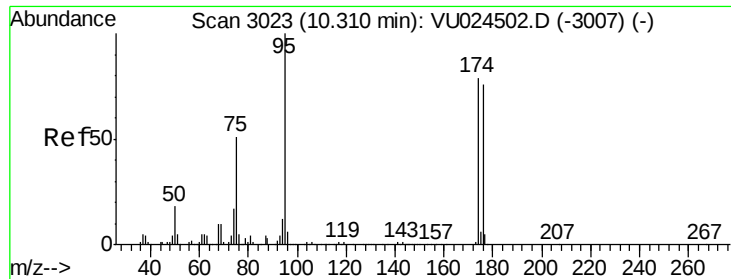
98 100

100 63.4 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU024794.D (-2078) (-)





#62

4-Bromofluorobenzene

Concen: 45.036 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU024794.D

Acq: 21 Jun 2018 06:53

Instrument :

MSVOA_U

ClientSampleId :

CKMW07

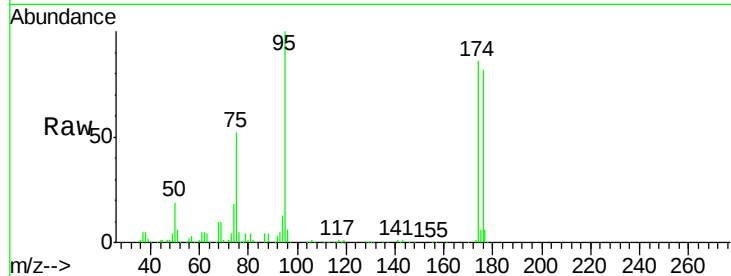
Tgt Ion: 95 Resp: 165220

Ion Ratio Lower Upper

95 100

174 85.3 0.0 165.8

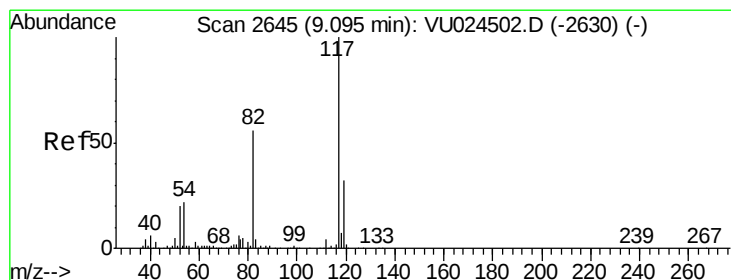
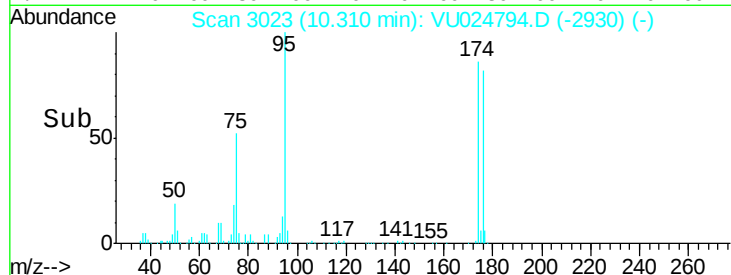
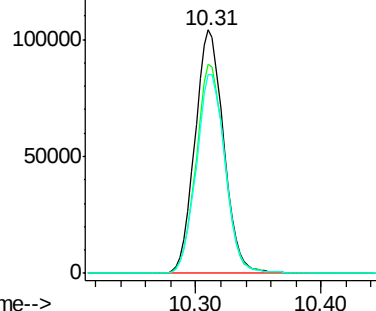
176 82.6 0.0 159.4



Abundance Ion 94.90 (94.60 to 95.60): VU024502.D (-3007) (-)

Ion 173.80 (173.50 to 174.50): VU024502.D (-3007) (-)

Ion 175.80 (175.50 to 176.50): VU024502.D (-3007) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VU024794.D

Acq: 21 Jun 2018 06:53

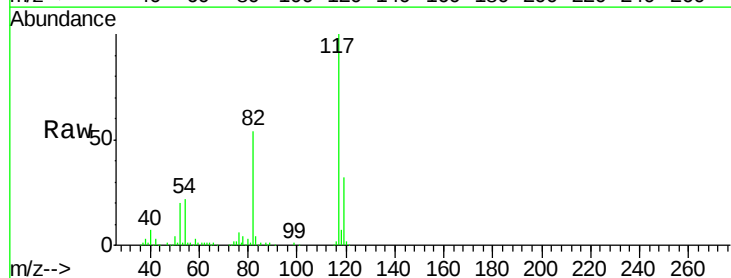
Tgt Ion: 117 Resp: 285105

Ion Ratio Lower Upper

117 100

82 54.3 44.3 66.5

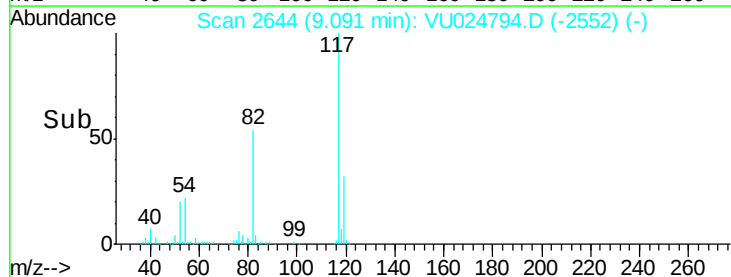
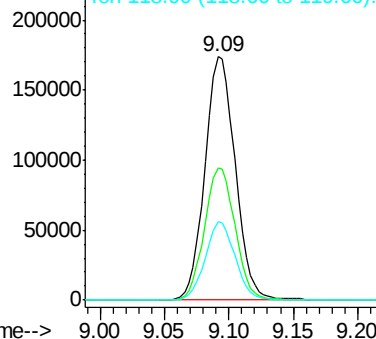
119 32.1 25.4 38.2

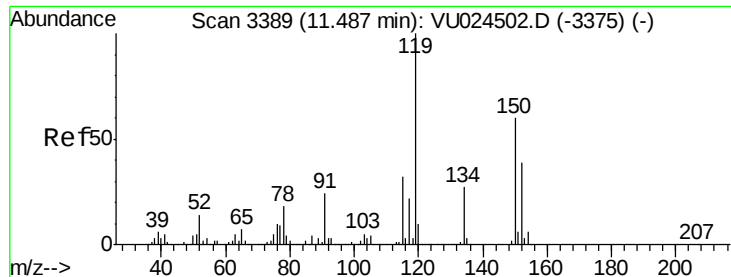


Abundance Ion 116.90 (116.60 to 117.60): VU024502.D (-2630) (-)

Ion 82.00 (81.70 to 82.70): VU024502.D (-2630) (-)

Ion 118.90 (118.60 to 119.60): VU024502.D (-2630) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU024794.D

Acq: 21 Jun 2018 06:53

Instrument :

MSVOA_U

ClientSampleId :

CKMW07

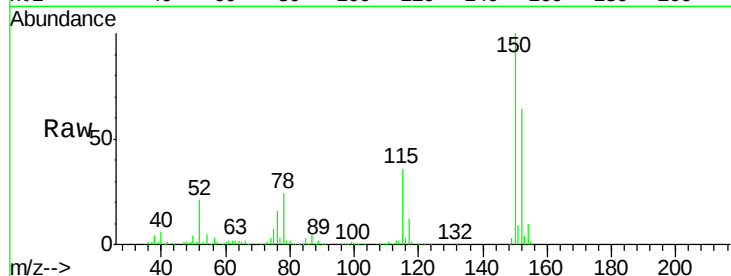
Tgt Ion:152 Resp: 155317

Ion Ratio Lower Upper

152 100

115 56.0 43.0 129.0

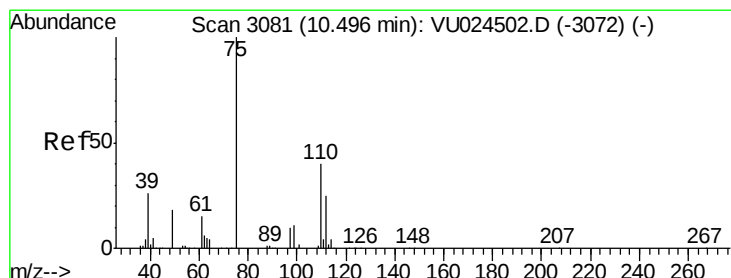
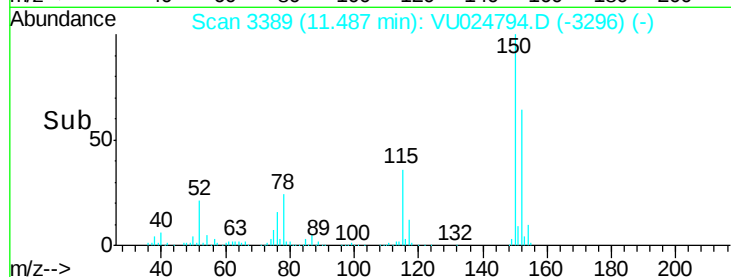
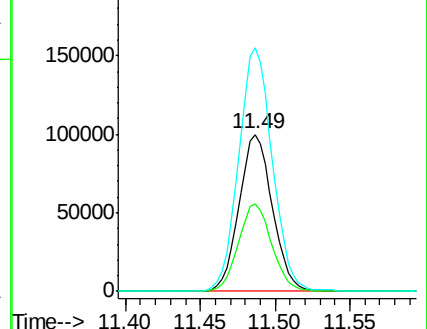
150 156.7 0.0 354.0



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: 24.864 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024794.D

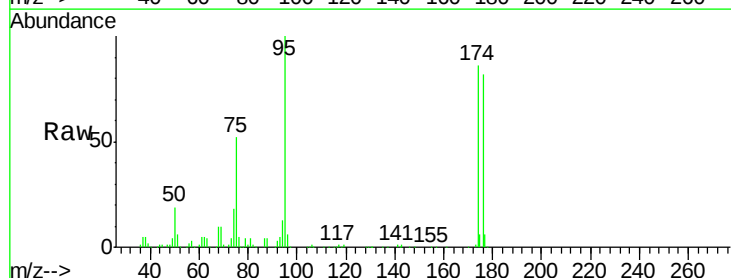
Acq: 21 Jun 2018 06:53

Tgt Ion: 75 Resp: 85023

Ion Ratio Lower Upper

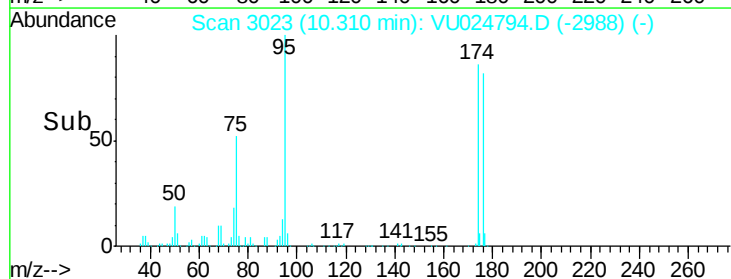
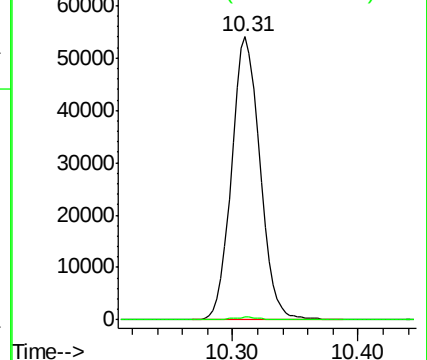
75 100

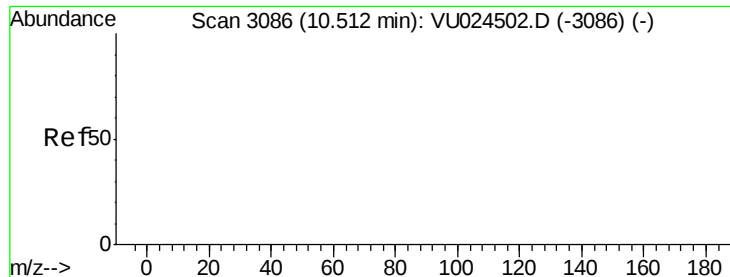
77 0.9 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0

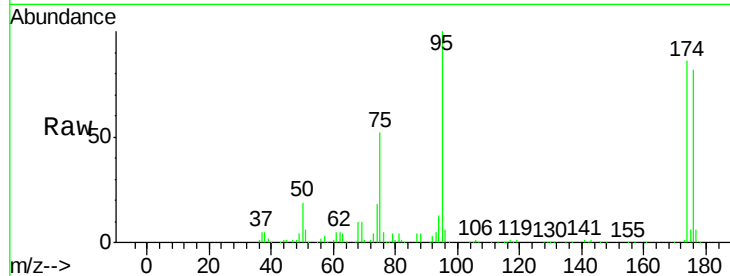




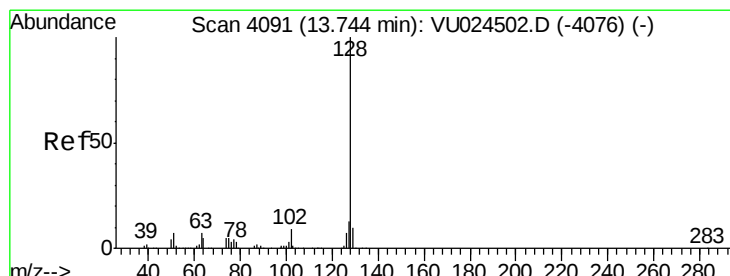
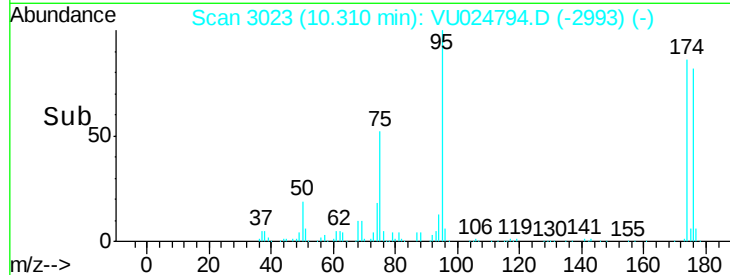
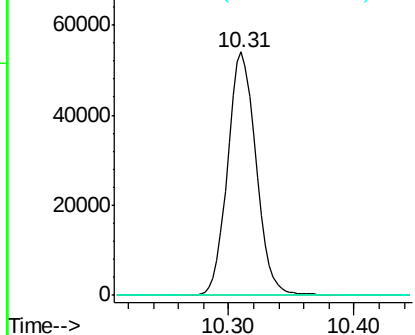
#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.546 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.20 min
 Lab File: VU024794.D
 Acq: 21 Jun 2018 06:53

Instrument :
 MSVOA_U
 ClientSampleId :
 CKMW07

Tgt Ion: 75 Resp: 85023
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0

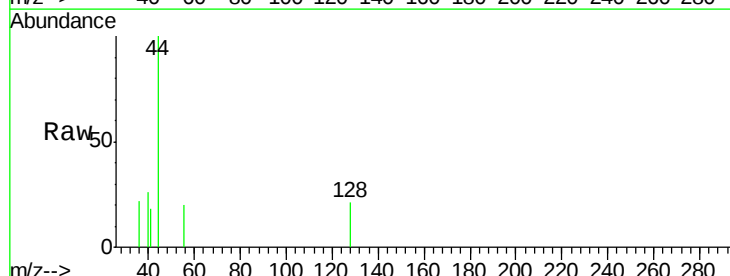


Abundance Ion 74.90 (74.60 to 75.60): VU0
 Ion 53.00 (52.70 to 53.70): VU0
 Ion 88.90 (88.60 to 89.60): VU0



#95
 Naphthalene
 Concen: 0.687 ug/l
 RT: 13.76 min Scan# 4096
 Delta R.T. 0.02 min
 Lab File: VU024794.D
 Acq: 21 Jun 2018 06:53

Tgt Ion: 128 Resp: 89
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.6 16.0#
 129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

