

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062018\
 Data File : VU024792.D
 Acq On : 21 Jun 2018 06:05
 Operator : MD/SY
 Sample : J3585-11
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CKMW06

Quant Time: Jun 21 07:59:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

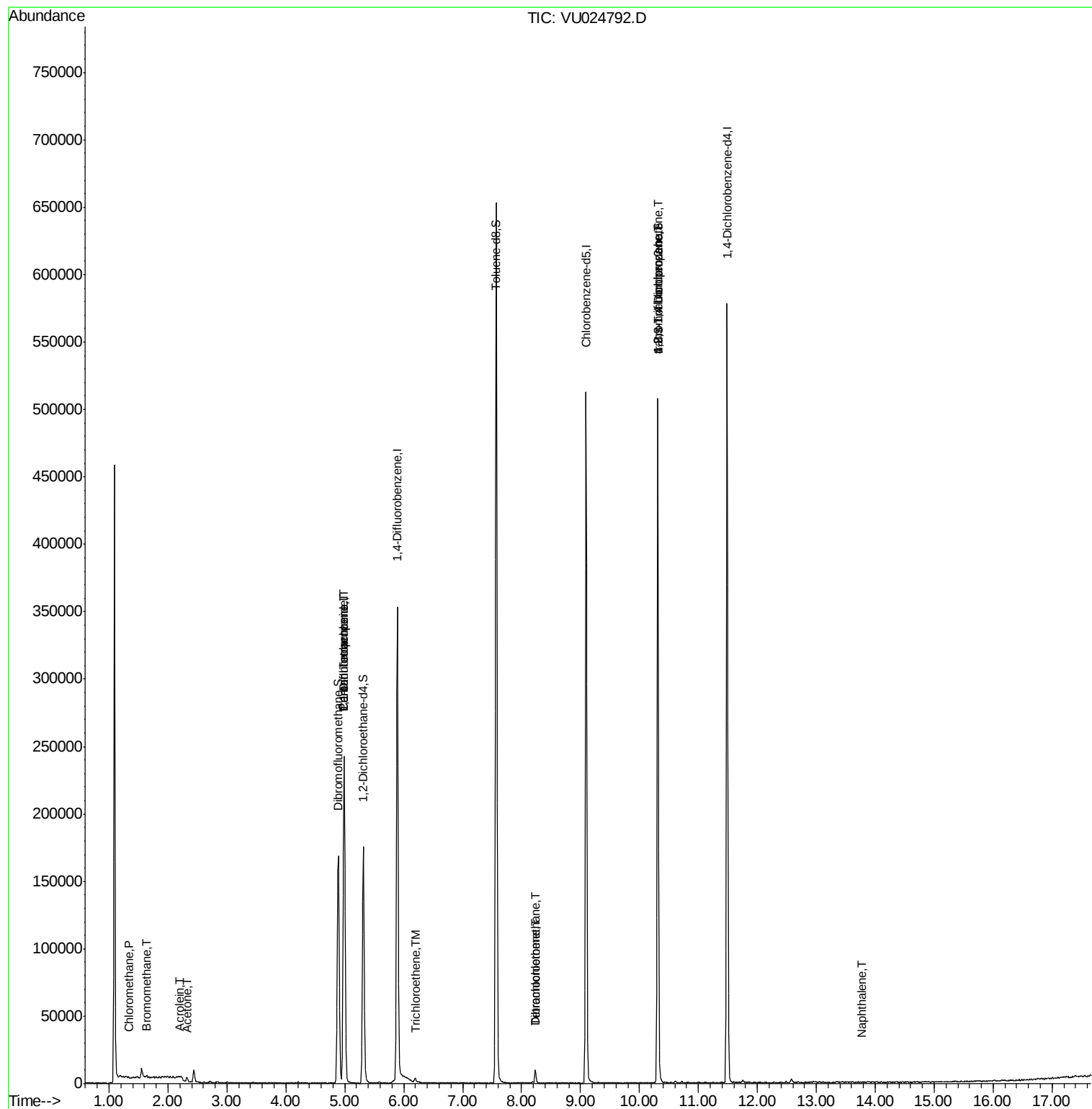
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	192358	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	298311	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	279296	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	149110	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	137301	43.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.44%	
35) Dibromofluoromethane	4.89	113	114413	46.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.42%	
50) Toluene-d8	7.57	98	435332	48.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.42%	
62) 4-Bromofluorobenzene	10.31	95	158658	44.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.50%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	778	0.316	ug/l	93
5) Bromomethane	1.64	94	273	0.223	ug/l #	62
6) Chloroethane	1.71	64	111	Below Cal	#	43
13) Acrolein	2.20	56	213	0.531	ug/l	91
16) Acetone	2.32	43	3516	2.084	ug/l	97
31) Cyclohexane	4.99	56	3895	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	14247	4.064	ug/l #	50
38) Carbon Tetrachloride	4.99	117	17499	4.540	ug/l #	16
44) Trichloroethene	6.18	130	601	0.211	ug/l	84
60) Dibromochloromethane	8.23	129	2134	0.655	ug/l #	11
64) Tetrachloroethene	8.24	164	2477	0.933	ug/l #	74
76) 1,2,3-Trichloropropane	10.31	75	81456	24.813	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	81456	57.426	ug/l #	100
95) Naphthalene	13.77	128	182	0.696	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: VU024792.D

Acq: 21 Jun 2018 06:05

Instrument :

MSVOA_U

ClientSampleId :

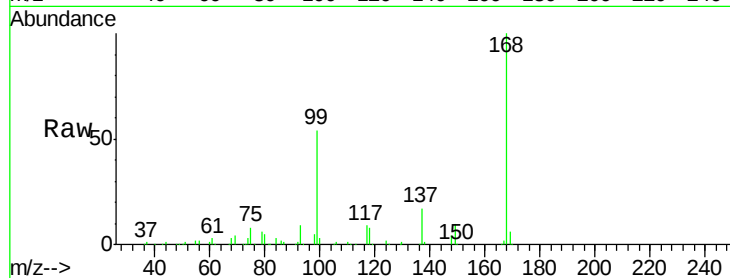
CKMW06

Tgt Ion:168 Resp: 192358

Ion Ratio Lower Upper

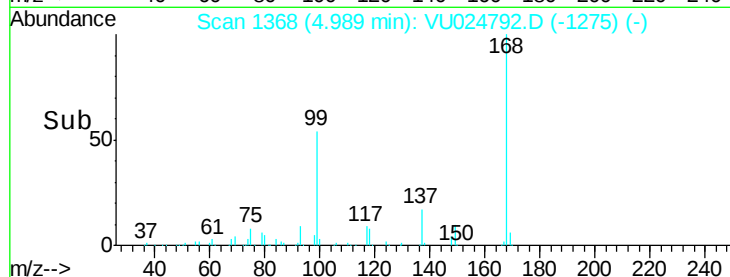
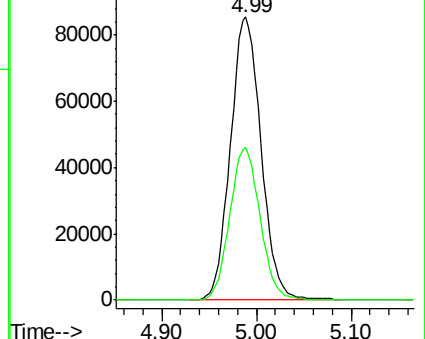
168 100

99 53.8 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) (-)



#3

Chloromethane

Concen: 0.316 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024792.D

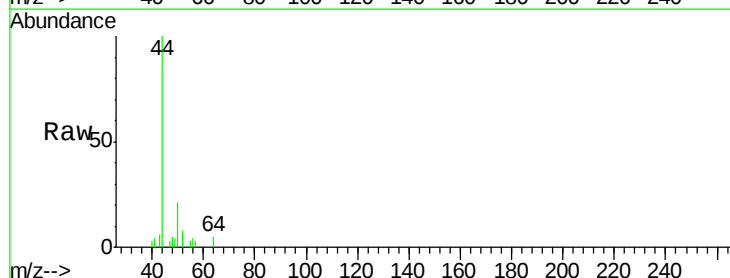
Acq: 21 Jun 2018 06:05

Tgt Ion: 50 Resp: 778

Ion Ratio Lower Upper

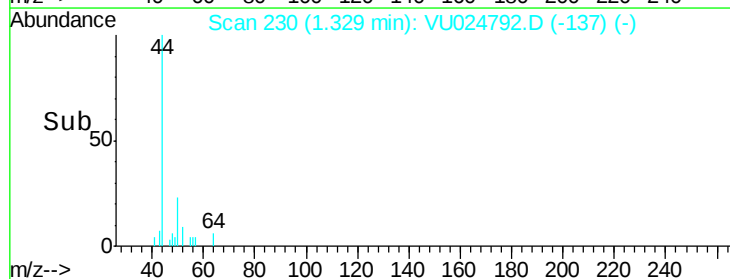
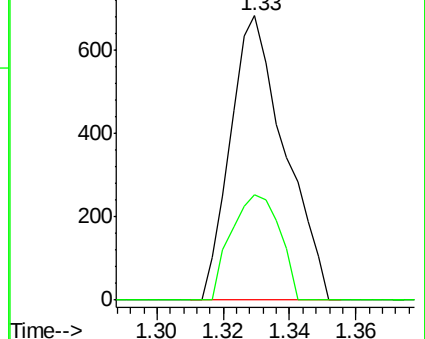
50 100

52 36.7 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VU024502.D (-221) (-)

Ion 51.90 (51.60 to 52.60): VU024502.D (-221) (-)





#5

Bromomethane

Concen: 0.223 ug/l

RT: 1.64 min Scan# 326

Delta R.T. 0.02 min

Lab File: VU024792.D

Acq: 21 Jun 2018 06:05

Instrument :

MSVOA_U

ClientSampleId :

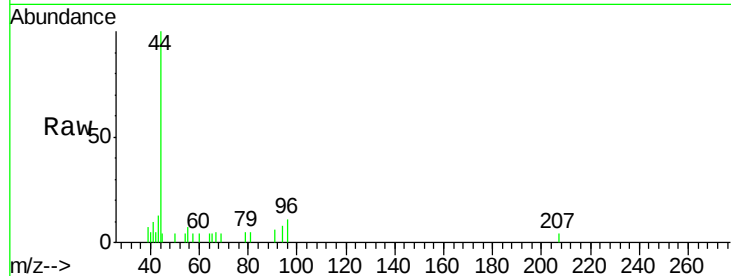
CKMW06

Tgt Ion: 94 Resp: 273

Ion Ratio Lower Upper

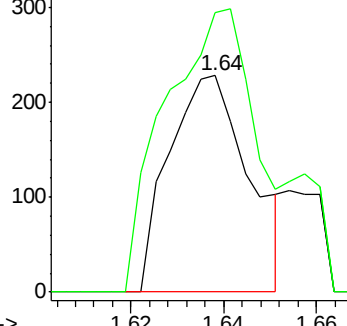
94 100

96 129.4 74.5 111.7#

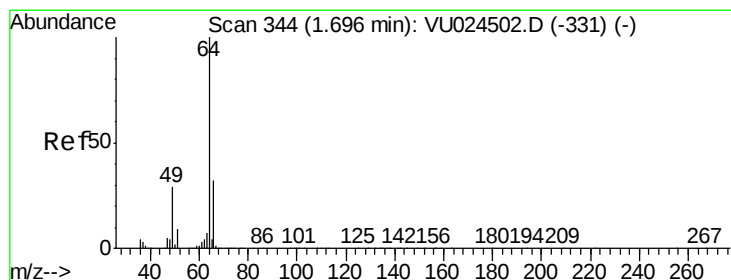
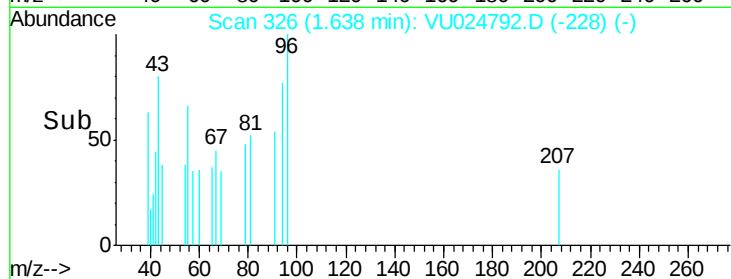


Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 347

Delta R.T. 0.01 min

Lab File: VU024792.D

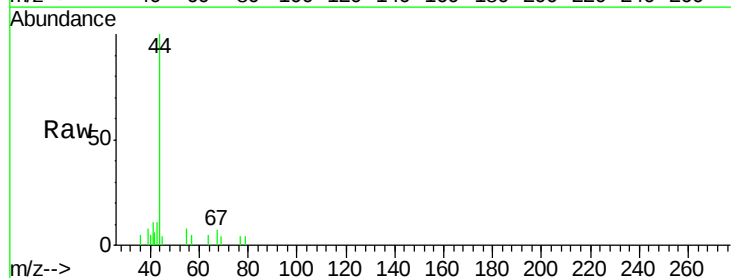
Acq: 21 Jun 2018 06:05

Tgt Ion: 64 Resp: 111

Ion Ratio Lower Upper

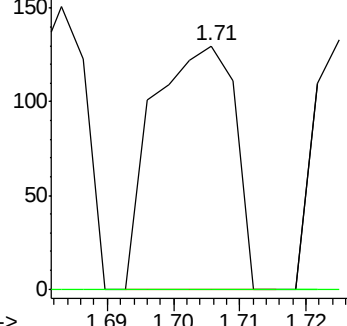
64 100

66 0.0 25.5 38.3#

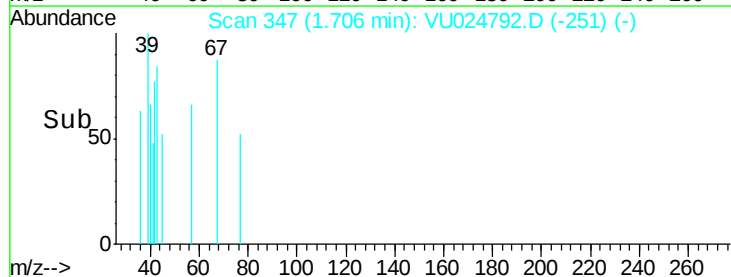


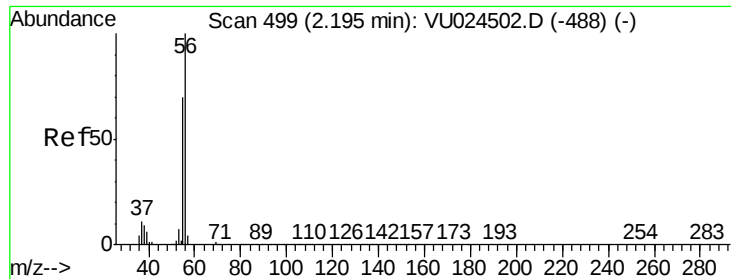
Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



Time-->





#13

Acrolein

Concen: 0.531 ug/l

RT: 2.20 min Scan# 500

Delta R.T. 0.00 min

Lab File: VU024792.D

Acq: 21 Jun 2018 06:05

Instrument :

MSVOA_U

ClientSampleId :

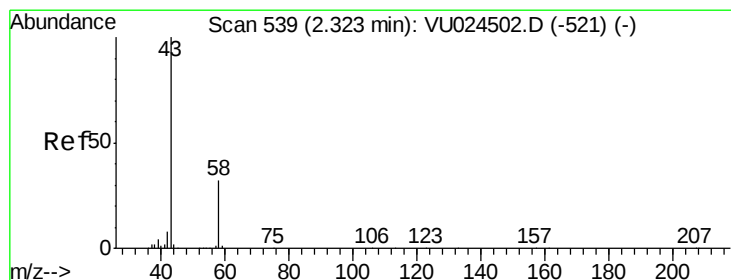
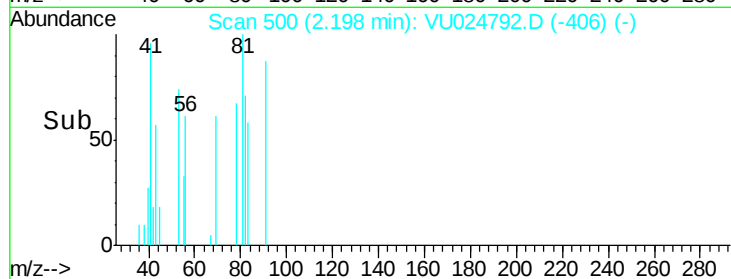
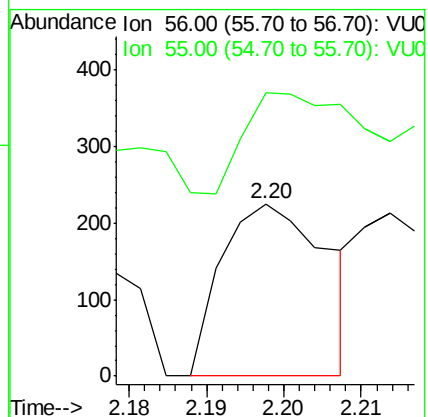
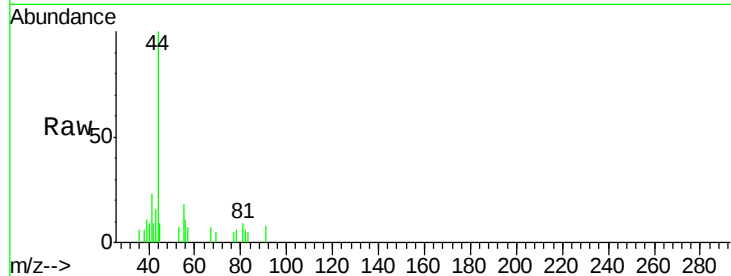
CKMW06

Tgt Ion: 56 Resp: 213

Ion Ratio Lower Upper

56 100

55 65.3 58.4 87.6



#16

Acetone

Concen: 2.084 ug/l

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU024792.D

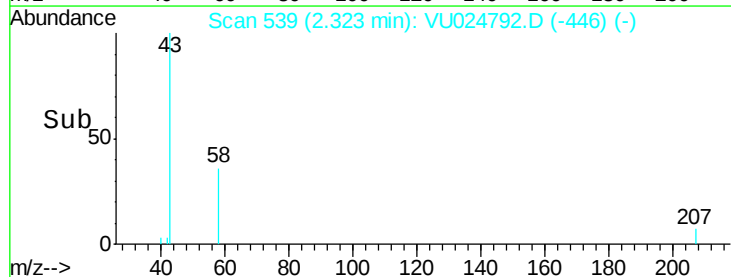
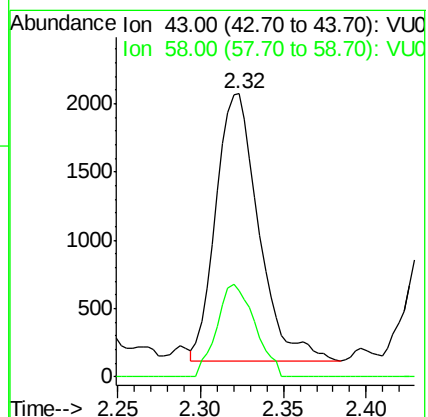
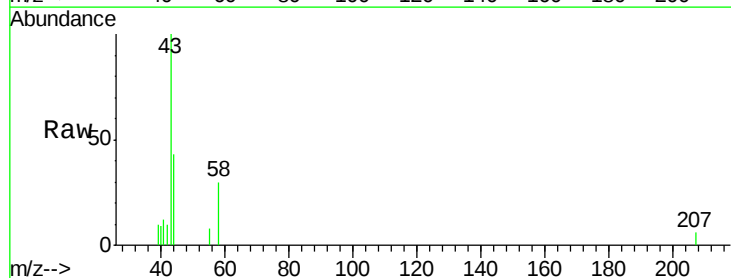
Acq: 21 Jun 2018 06:05

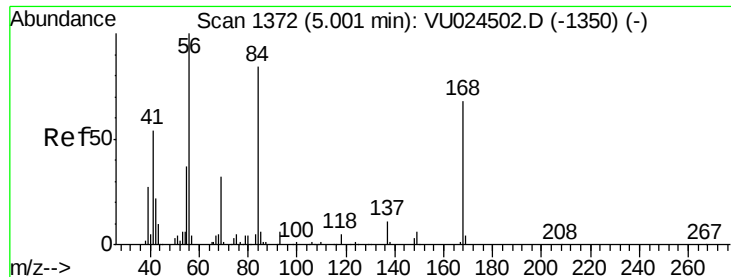
Tgt Ion: 43 Resp: 3516

Ion Ratio Lower Upper

43 100

58 32.2 24.4 36.6

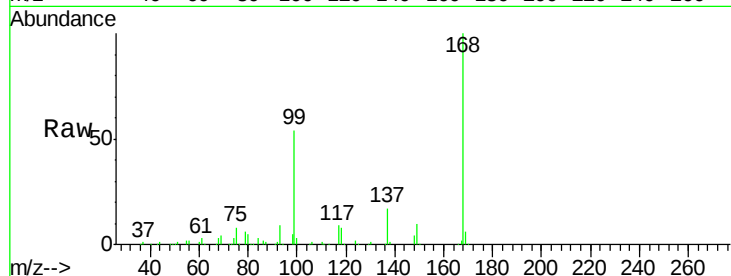




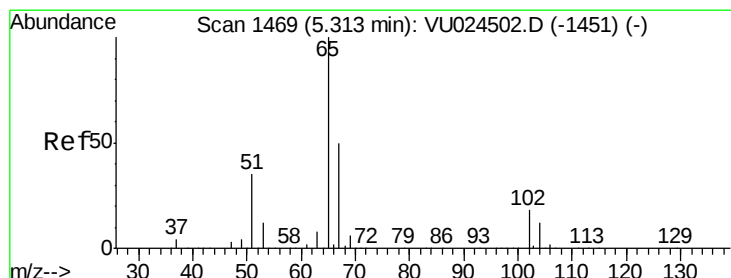
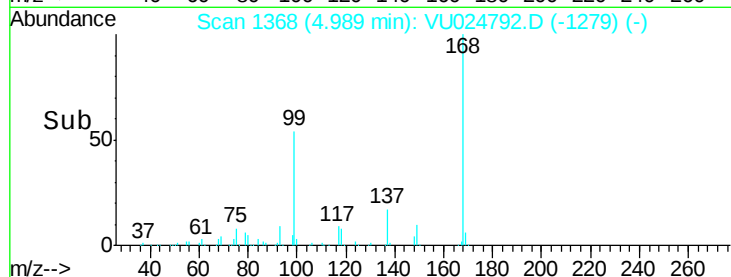
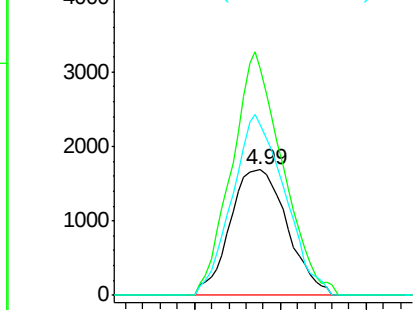
#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VU024792.D
Acq: 21 Jun 2018 06:05

Instrument :
MSVOA_U
ClientSampled :
CKMW06

Tgt Ion: 56 Resp: 3895
Ion Ratio Lower Upper
56 100
69 180.9 24.8 37.2#
84 135.7 65.2 97.8#

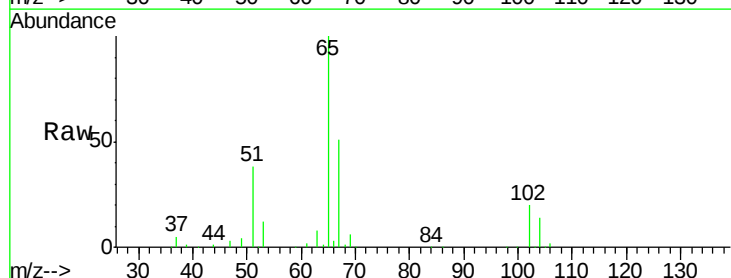


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

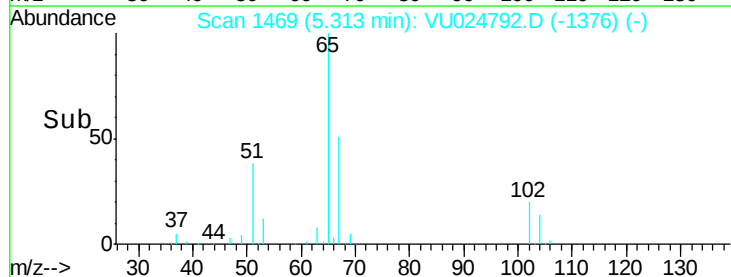
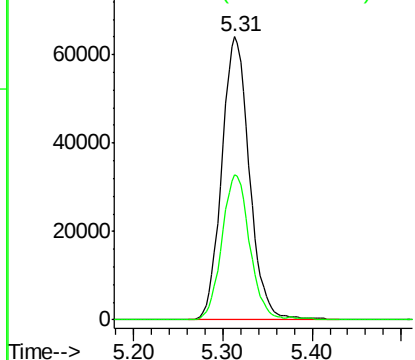


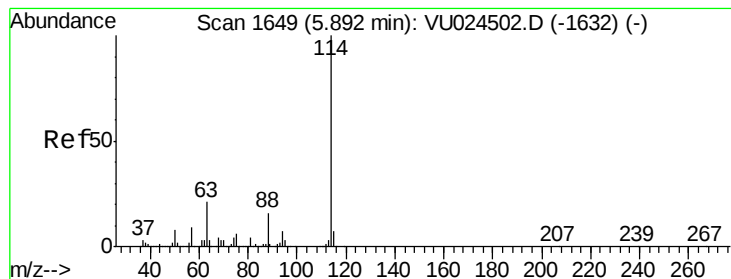
#33
1,2-Dichloroethane-d4
Concen: 43.722 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VU024792.D
Acq: 21 Jun 2018 06:05

Tgt Ion: 65 Resp: 137301
Ion Ratio Lower Upper
65 100
67 51.4 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: VU024792.D

Acq: 21 Jun 2018 06:05

Instrument :

MSVOA_U

ClientSampleId :

CKMW06

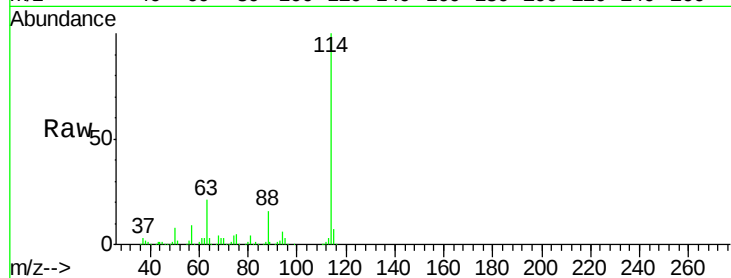
Tgt Ion:114 Resp: 298311

Ion Ratio Lower Upper

114 100

63 20.6 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

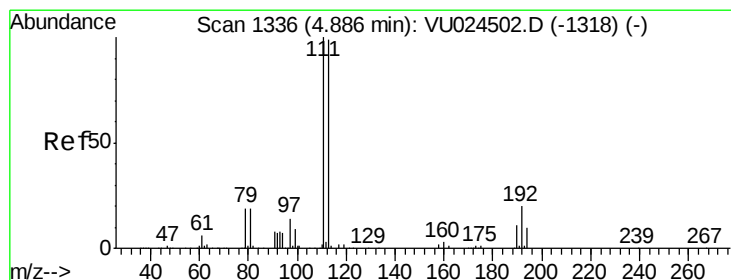
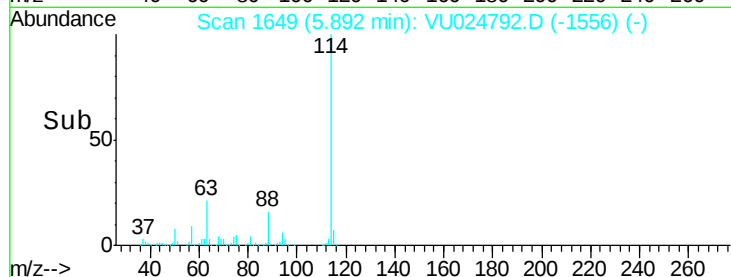
100000

50000

0

5.89

Time-->



#35

Dibromofluoromethane

Concen: 46.213 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024792.D

Acq: 21 Jun 2018 06:05

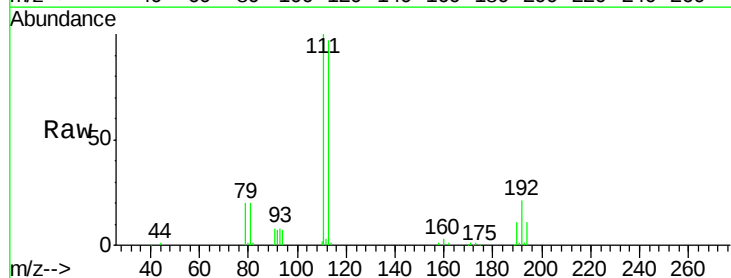
Tgt Ion:113 Resp: 114413

Ion Ratio Lower Upper

113 100

111 103.3 82.2 123.4

192 21.3 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

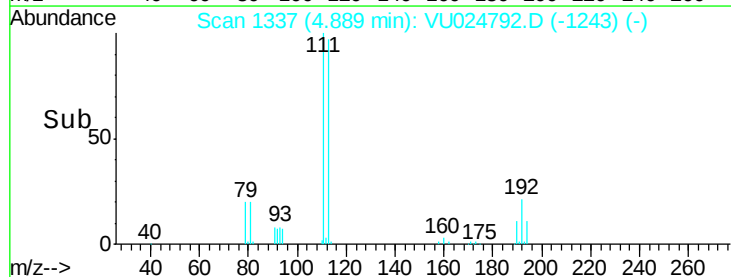
40000

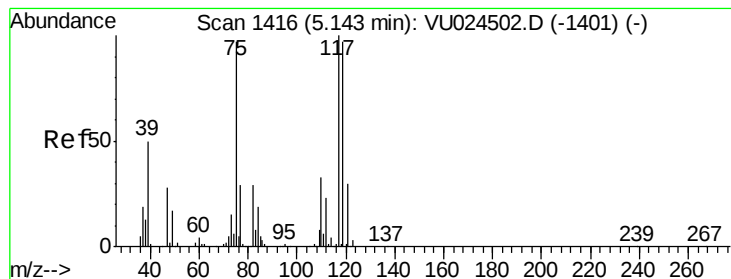
20000

0

4.89

Time-->





#36

1,1-Dichloropropene

Concen: 4.064 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024792.D

Acq: 21 Jun 2018 06:05

Instrument :

MSVOA_U

ClientSampleId :

CKMW06

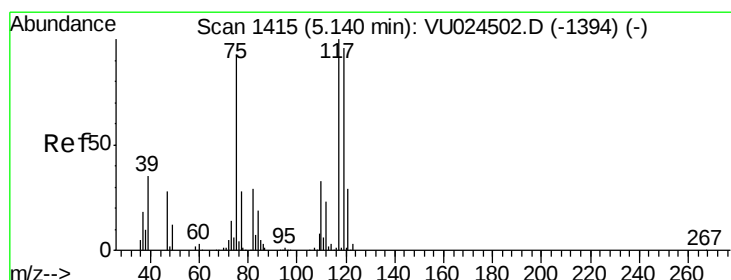
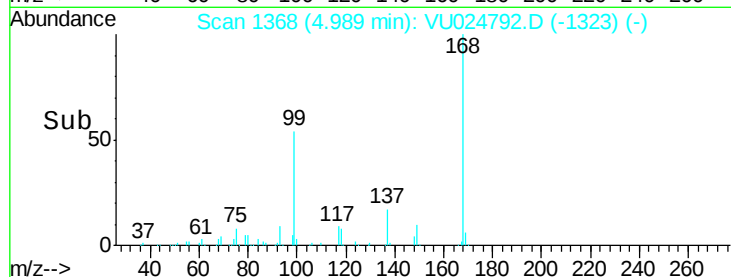
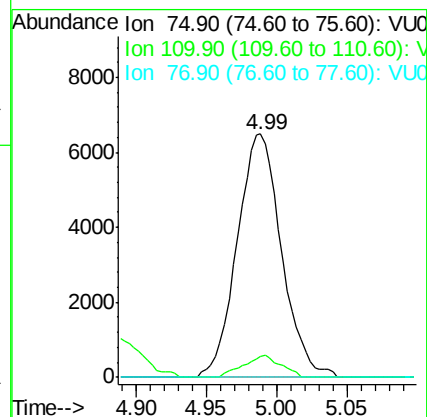
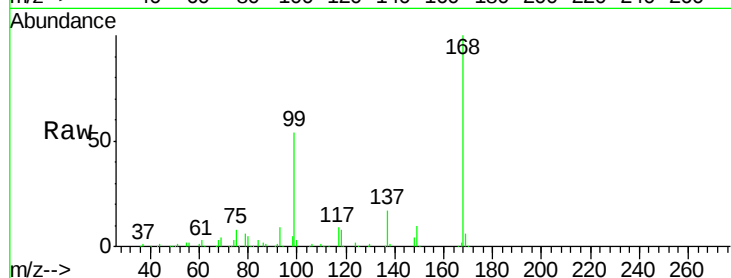
Tgt Ion: 75 Resp: 14247

Ion Ratio Lower Upper

75 100

110 7.7 17.0 50.9#

77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 4.540 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024792.D

Acq: 21 Jun 2018 06:05

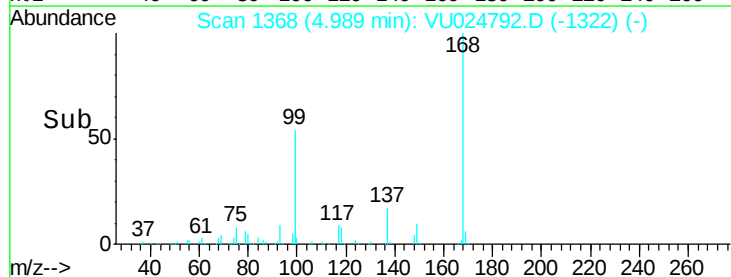
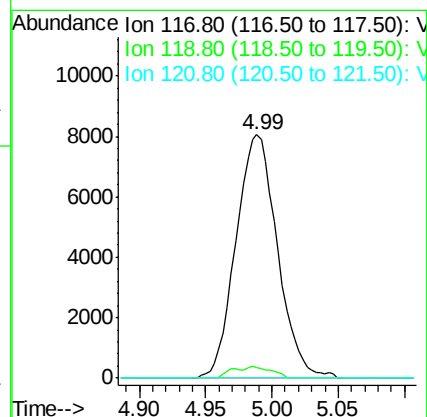
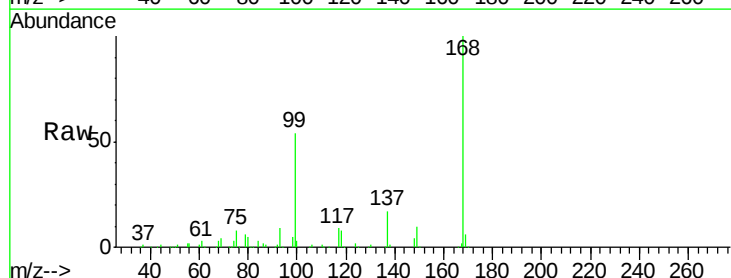
Tgt Ion: 117 Resp: 17499

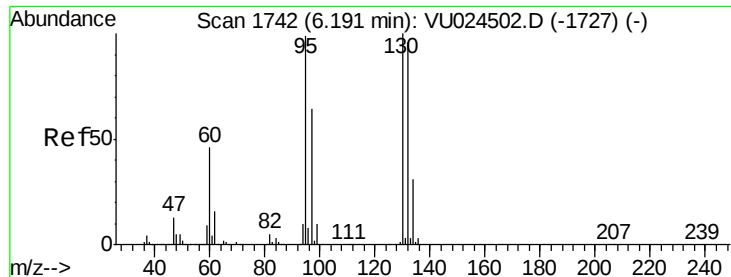
Ion Ratio Lower Upper

117 100

119 4.6 76.1 114.1#

121 0.0 23.7 35.5#





#44

Trichloroethene

Concen: 0.211 ug/l

RT: 6.18 min Scan# 1740

Delta R.T. -0.01 min

Lab File: VU024792.D

Acq: 21 Jun 2018 06:05

Instrument :

MSVOA_U

ClientSampleId :

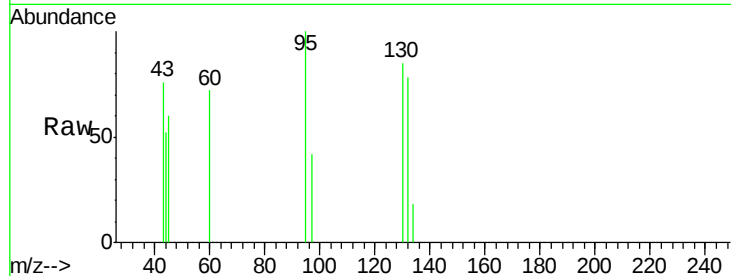
CKMW06

Tgt Ion:130 Resp: 601

Ion Ratio Lower Upper

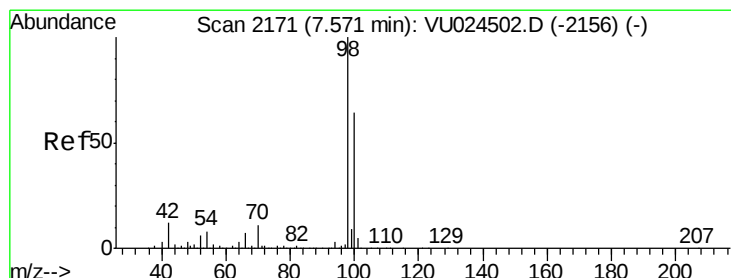
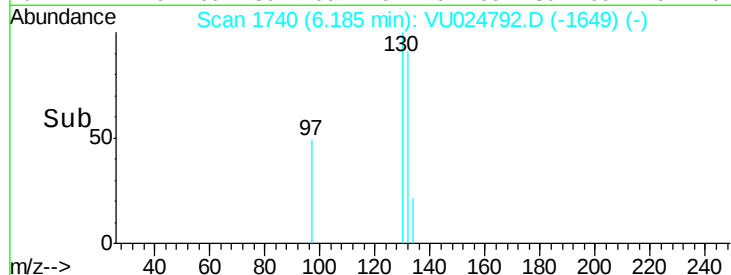
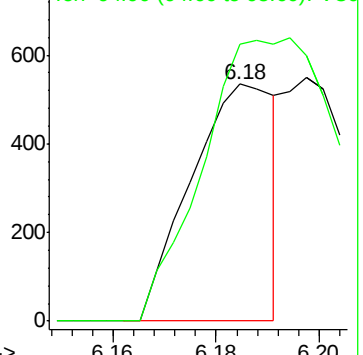
130 100

95 117.0 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0



#50

Toluene-d8

Concen: 48.207 ug/l

RT: 7.57 min Scan# 2170

Delta R.T. -0.00 min

Lab File: VU024792.D

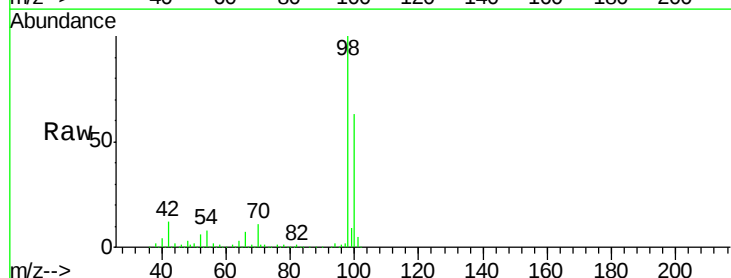
Acq: 21 Jun 2018 06:05

Tgt Ion: 98 Resp: 435332

Ion Ratio Lower Upper

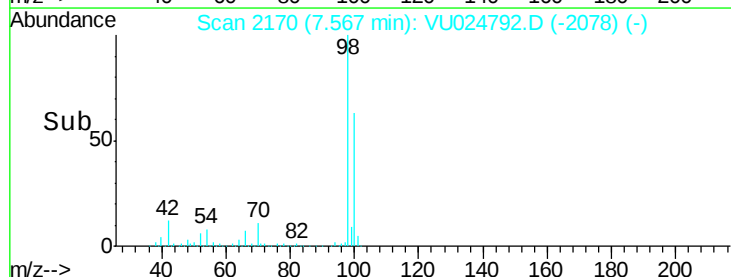
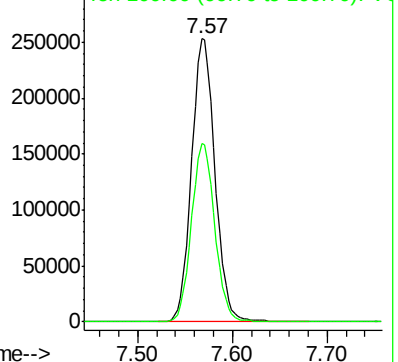
98 100

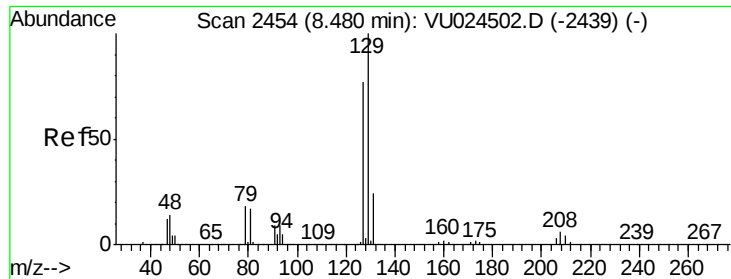
100 63.0 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#60

Dibromochloromethane

Concen: 0.655 ug/l

RT: 8.23 min Scan# 2376

Delta R.T. -0.25 min

Lab File: VU024792.D

Acq: 21 Jun 2018 06:05

Instrument :

MSVOA_U

ClientSampleId :

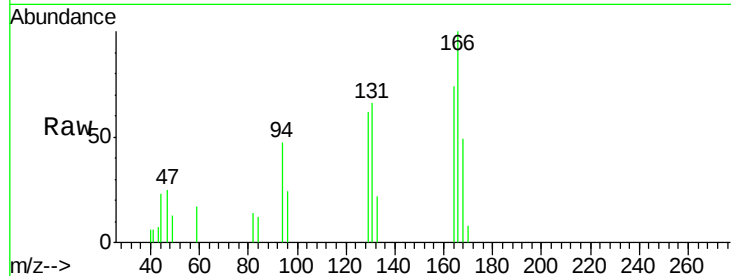
CKMW06

Tgt Ion:129 Resp: 2134

Ion Ratio Lower Upper

129 100

127 0.0 38.6 116.0#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

8.23

1200

1000

800

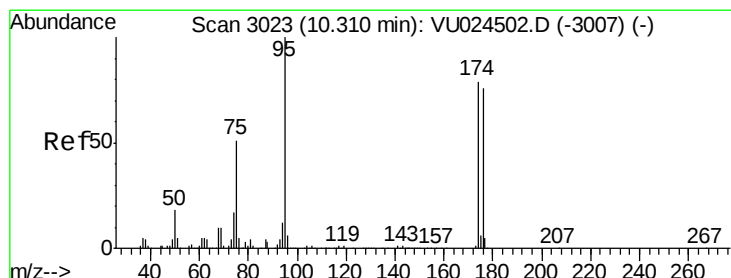
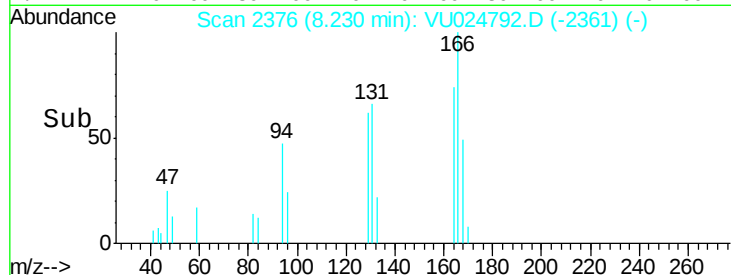
600

400

200

0

Time-->



#62

4-Bromofluorobenzene

Concen: 44.250 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU024792.D

Acq: 21 Jun 2018 06:05

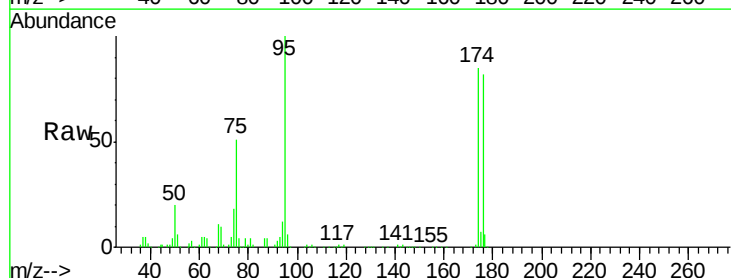
Tgt Ion: 95 Resp: 158658

Ion Ratio Lower Upper

95 100

174 85.2 0.0 165.8

176 83.1 0.0 159.4



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

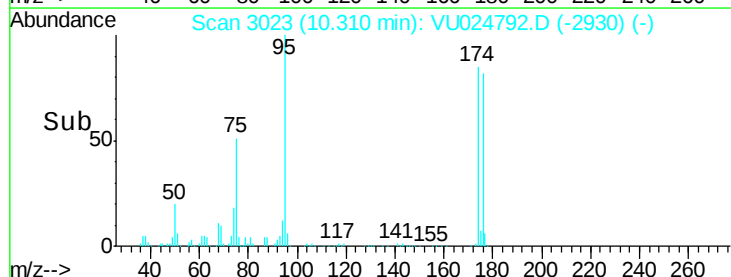
10.31

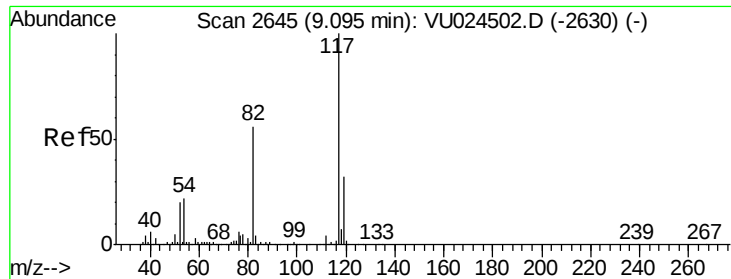
100000

50000

0

Time-->

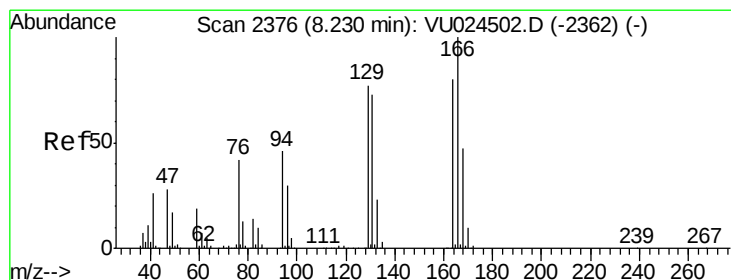
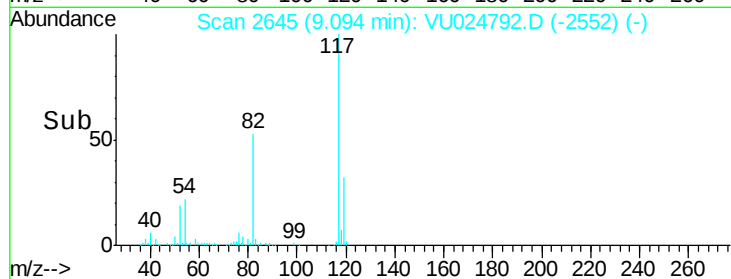
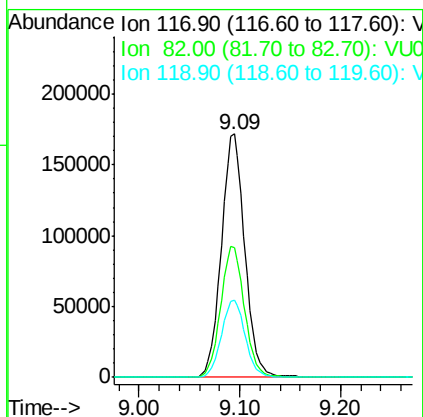
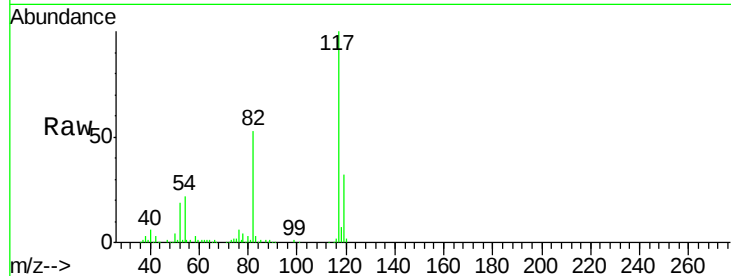




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU024792.D
Acq: 21 Jun 2018 06:05

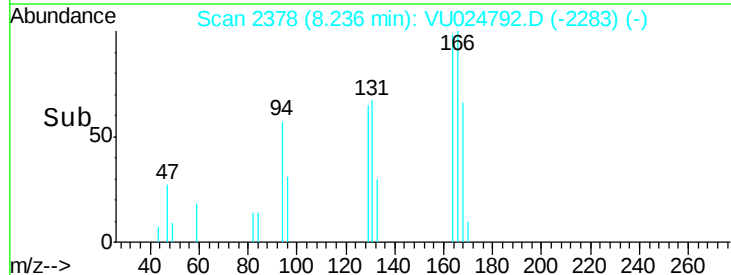
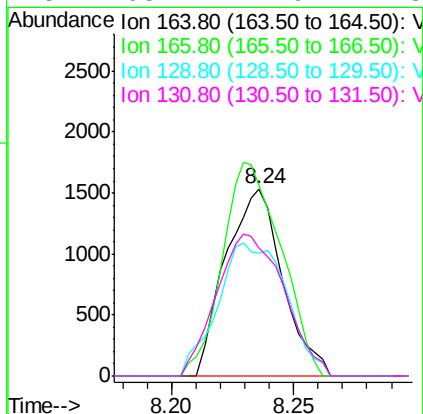
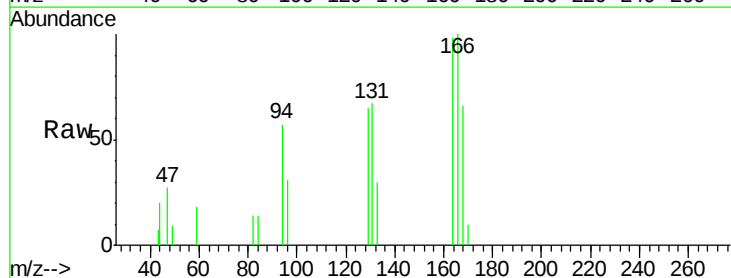
Instrument :
MSVOA_U
ClientSampleId :
CKMW06

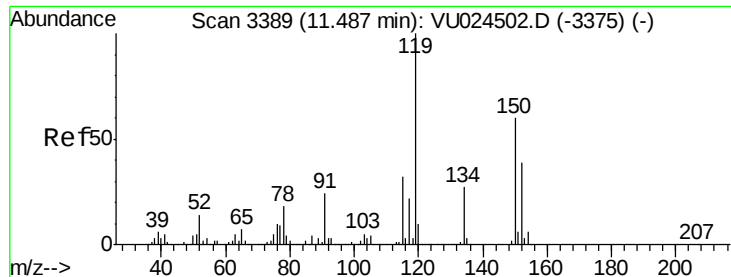
Tgt Ion:117 Resp: 279296
Ion Ratio Lower Upper
117 100
82 53.3 44.3 66.5
119 31.8 25.4 38.2



#64
Tetrachloroethene
Concen: 0.933 ug/l
RT: 8.24 min Scan# 2378
Delta R.T. 0.01 min
Lab File: VU024792.D
Acq: 21 Jun 2018 06:05

Tgt Ion:164 Resp: 2477
Ion Ratio Lower Upper
164 100
166 101.8 101.7 152.5
129 65.8 76.9 115.3#
131 68.4 74.9 112.3#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU024792.D

Acq: 21 Jun 2018 06:05

Instrument :

MSVOA_U

ClientSampleId :

CKMW06

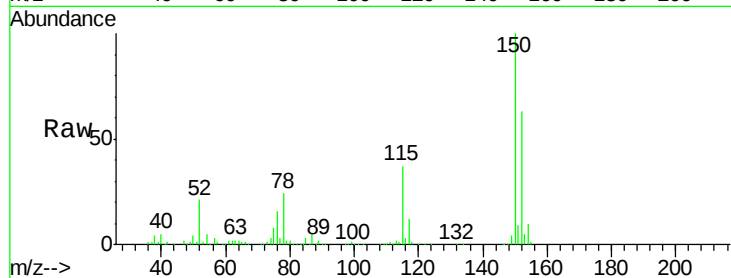
Tgt Ion:152 Resp: 149110

Ion Ratio Lower Upper

152 100

115 58.0 43.0 129.0

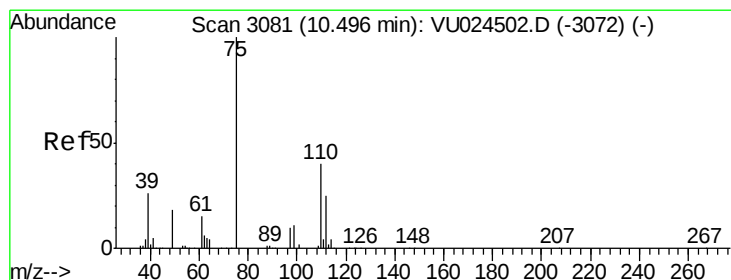
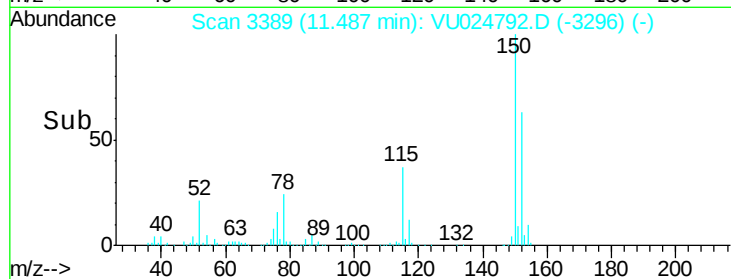
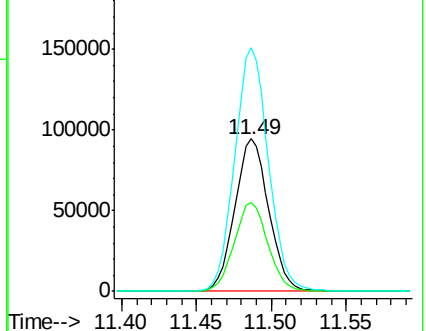
150 158.9 0.0 354.0



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: 24.813 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024792.D

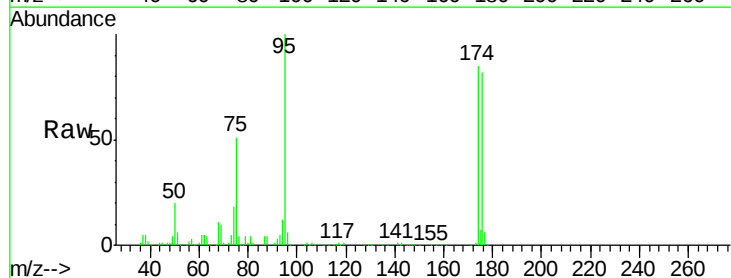
Acq: 21 Jun 2018 06:05

Tgt Ion: 75 Resp: 81456

Ion Ratio Lower Upper

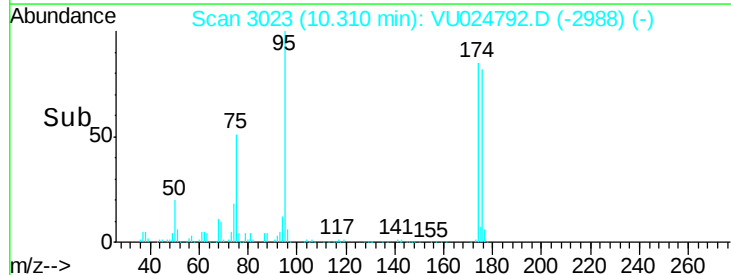
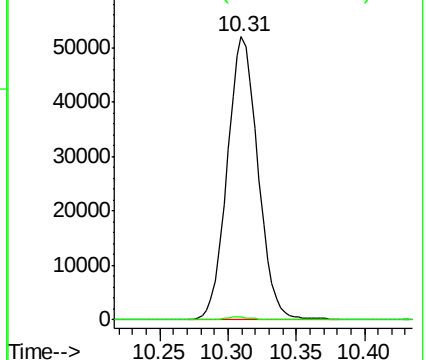
75 100

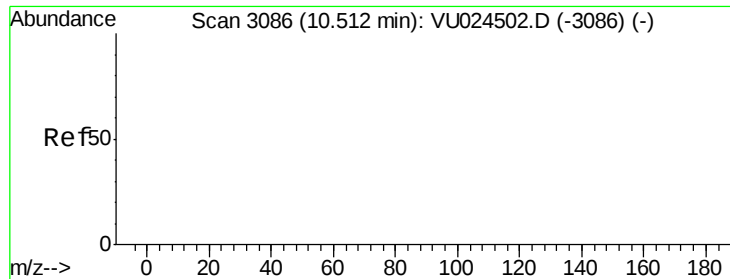
77 1.0 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#81

trans-1,4-Dichloro-2-butene

Concen: 57.426 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024792.D

Acq: 21 Jun 2018 06:05

Instrument :

MSVOA_U

ClientSampleId :

CKMW06

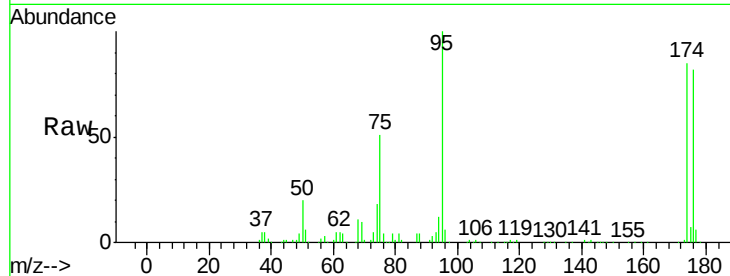
Tgt Ion: 75 Resp: 81456

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

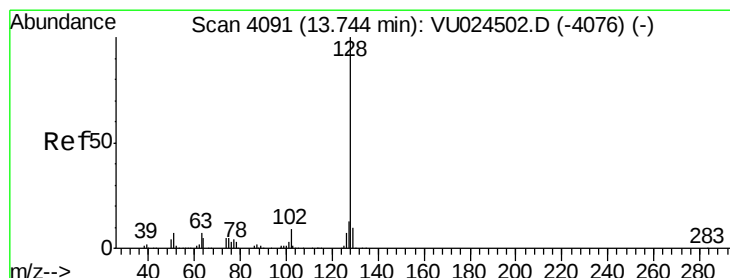
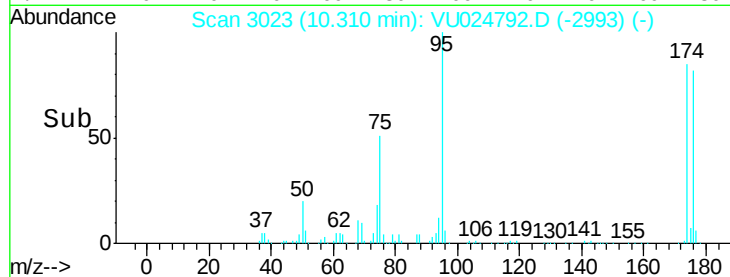
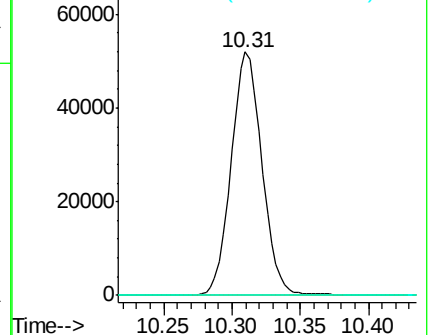
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU024792.D (-2993) (-)

Ion 53.00 (52.70 to 53.70): VU024792.D (-2993) (-)

Ion 88.90 (88.60 to 89.60): VU024792.D (-2993) (-)



#95

Naphthalene

Concen: 0.696 ug/l

RT: 13.77 min Scan# 4100

Delta R.T. 0.03 min

Lab File: VU024792.D

Acq: 21 Jun 2018 06:05

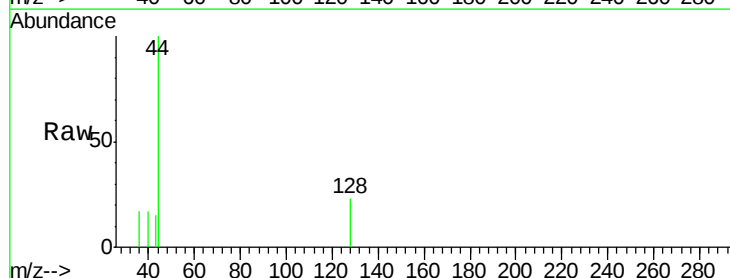
Tgt Ion: 128 Resp: 182

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): VU024792.D (-3997) (-)

Ion 127.00 (126.70 to 127.70): VU024792.D (-3997) (-)

Ion 129.00 (128.70 to 129.70): VU024792.D (-3997) (-)

