

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU062018\
 Data File : VU024789.D
 Acq On : 21 Jun 2018 04:52
 Operator : MD/SY
 Sample : J3585-08
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CKMW19

Quant Time: Jun 21 07:58:59 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

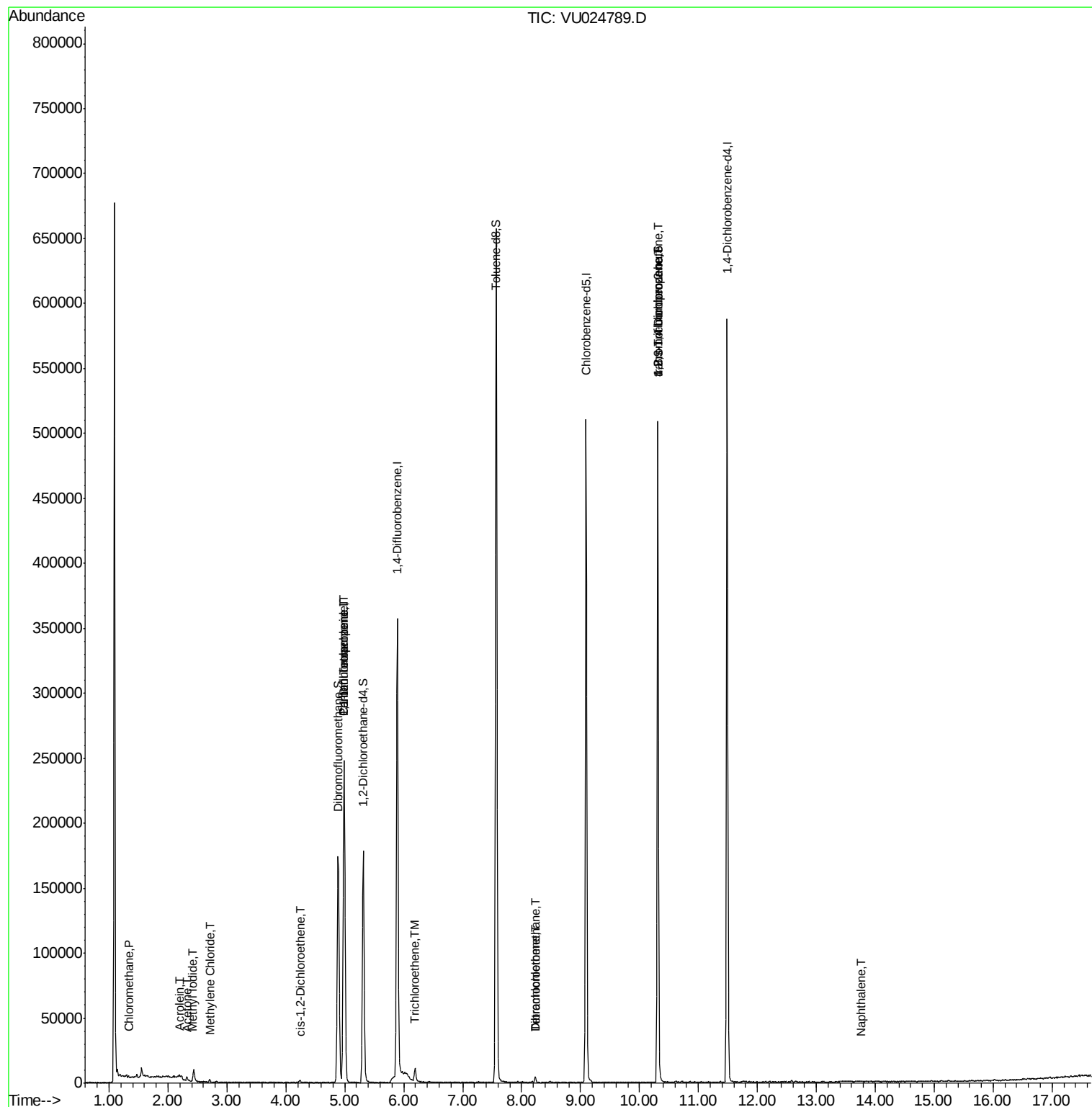
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	195895	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	303147	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	277086	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	152777	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	136122	42.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.12%	
35) Dibromofluoromethane	4.89	113	116154	46.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.34%	
50) Toluene-d8	7.57	98	439027	47.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.68%	
62) 4-Bromofluorobenzene	10.31	95	160971	44.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.36%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	983	0.392	ug/l	97
6) Chloroethane	1.70	64	161	Below Cal	#	43
10) Methyl Iodide	2.41	142	158	5.357	ug/l #	40
13) Acrolein	2.20	56	422	1.033	ug/l #	48
16) Acetone	2.32	43	3775	2.197	ug/l	93
20) Methylene Chloride	2.71	84	694	0.257	ug/l #	90
27) cis-1,2-Dichloroethene	4.23	96	874	0.309	ug/l	65
31) Cyclohexane	4.99	56	4145	Below Cal	#	11
36) 1,1-Dichloropropene	4.99	75	13643	3.830	ug/l #	51
38) Carbon Tetrachloride	4.99	117	18279	4.666	ug/l #	16
44) Trichloroethene	6.19	130	3759	1.301	ug/l	90
60) Dibromochloromethane	8.23	129	944	0.285	ug/l #	11
64) Tetrachloroethene	8.24	164	1088	0.413	ug/l	89
76) 1,2,3-Trichloropropane	10.31	75	82524	24.534	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	82524	56.783	ug/l #	100
95) Naphthalene	13.77	128	283	0.704	ug/l #	69

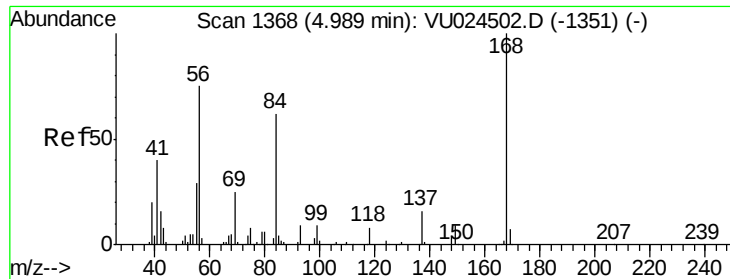
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU024789.D

Acq: 21 Jun 2018 04:52

Instrument :

MSVOA_U

ClientSampleId :

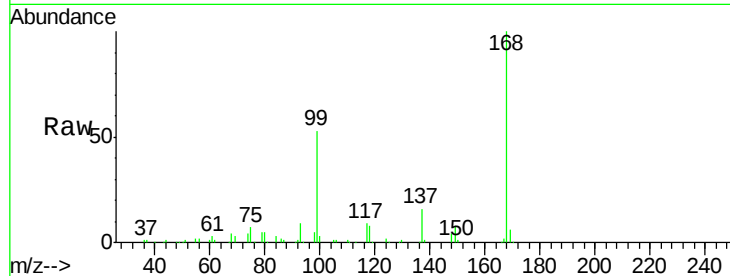
CKMW19

Tgt Ion:168 Resp: 195895

Ion Ratio Lower Upper

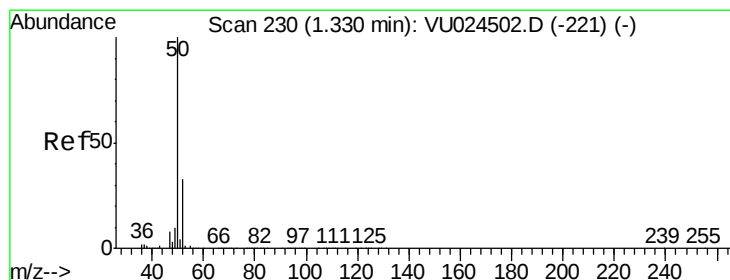
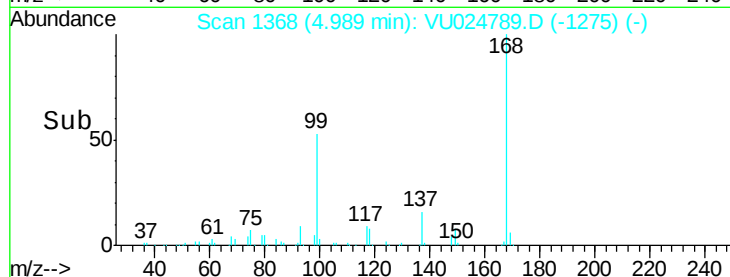
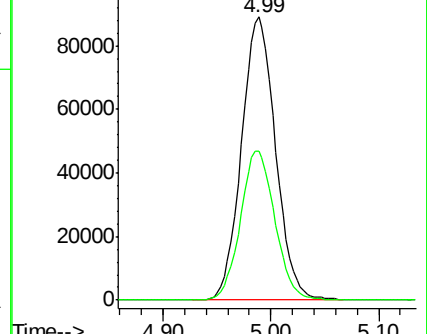
168 100

99 52.7 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: 0.392 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU024789.D

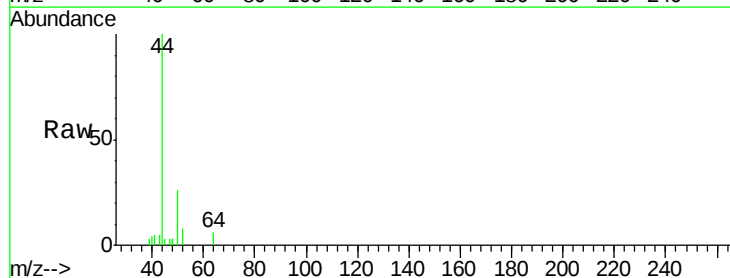
Acq: 21 Jun 2018 04:52

Tgt Ion: 50 Resp: 983

Ion Ratio Lower Upper

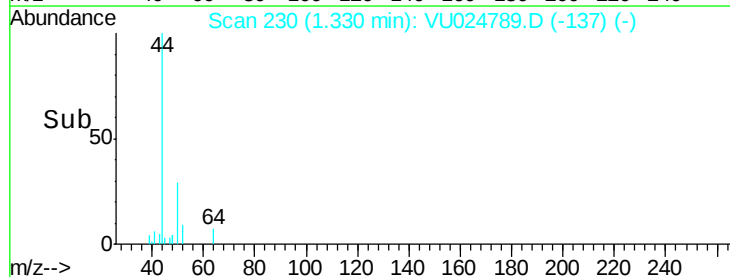
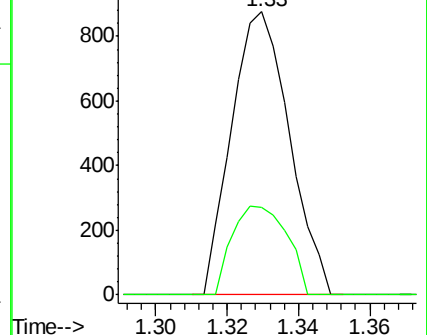
50 100

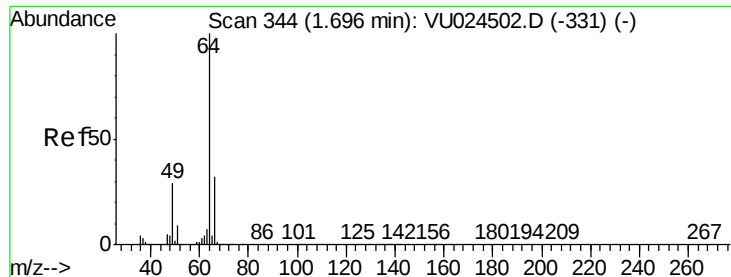
52 31.2 26.4 39.6



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

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





#6

Chloroethane

Concen: Below Cal

RT: 1.70 min Scan# 346

Delta R.T. 0.01 min

Lab File: VU024789.D

Acq: 21 Jun 2018 04:52

Instrument :

MSVOA_U

ClientSampleId :

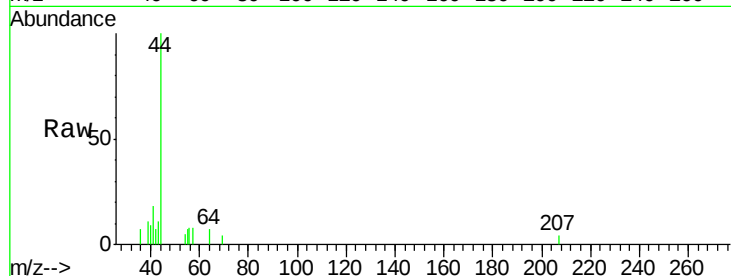
CKMW19

Tgt Ion: 64 Resp: 161

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VU024502.D (-331) (-)

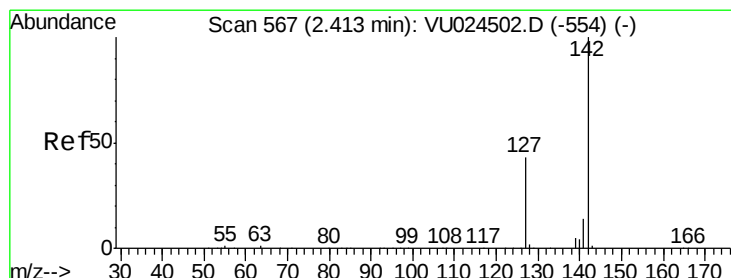
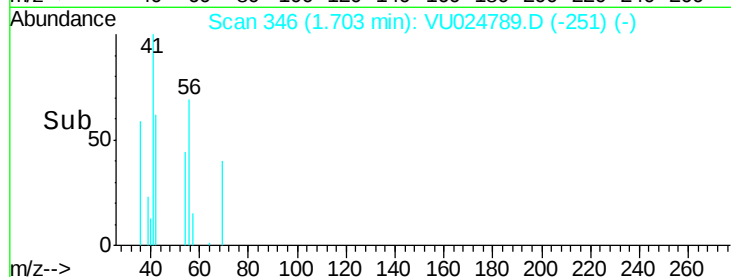
Ion 65.90 (65.60 to 66.60): VU024502.D (-331) (-)

1.70

1.71

1.72

Time-->



#10

Methyl Iodide

Concen: 5.357 ug/l

RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU024789.D

Acq: 21 Jun 2018 04:52

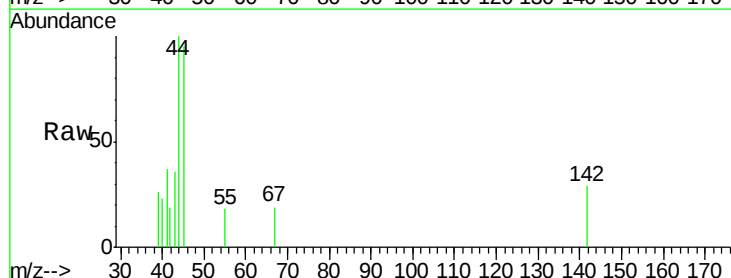
Tgt Ion: 142 Resp: 158

Ion Ratio Lower Upper

142 100

127 0.0 35.6 53.4#

141 0.0 11.7 17.5#



Abundance Ion 141.80 (141.50 to 142.50): VU024502.D (-554) (-)

Ion 126.80 (126.50 to 127.50): VU024502.D (-554) (-)

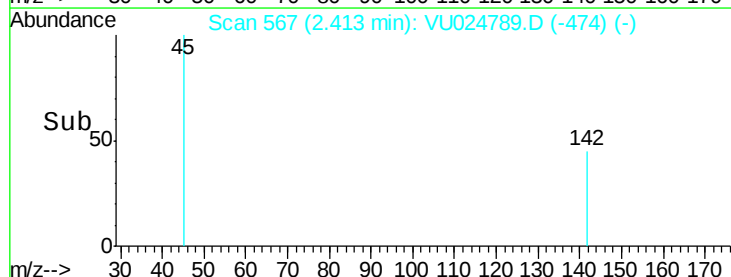
Ion 140.80 (140.50 to 141.50): VU024502.D (-554) (-)

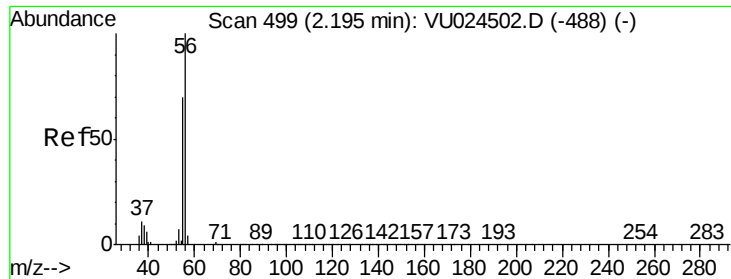
2.41

2.42

2.44

Time-->





#13

Acrolein

Concen: 1.033 ug/l

RT: 2.20 min Scan# 501

Delta R.T. 0.01 min

Lab File: VU024789.D

Acq: 21 Jun 2018 04:52

Instrument :

MSVOA_U

ClientSampleId :

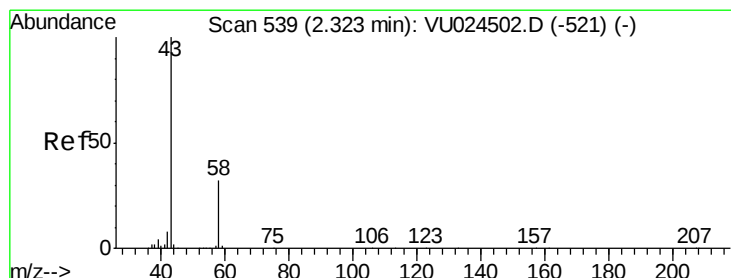
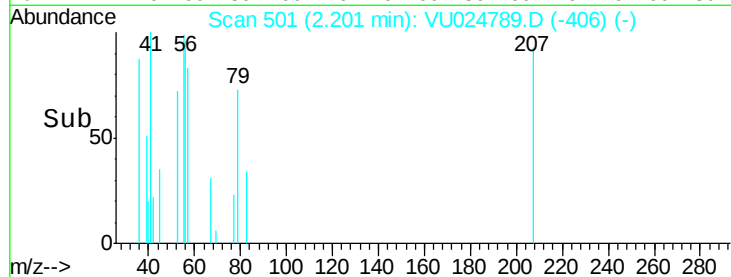
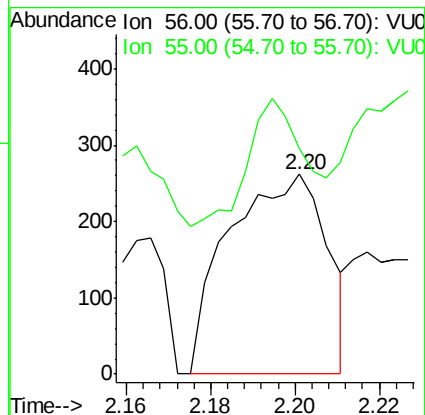
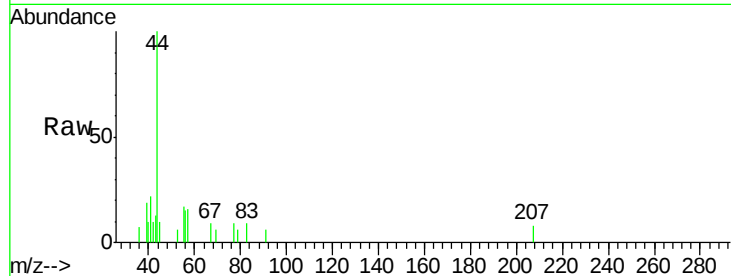
CKMW19

Tgt Ion: 56 Resp: 422

Ion Ratio Lower Upper

56 100

55 29.6 58.4 87.6#



#16

Acetone

Concen: 2.197 ug/l

RT: 2.32 min Scan# 537

Delta R.T. -0.01 min

Lab File: VU024789.D

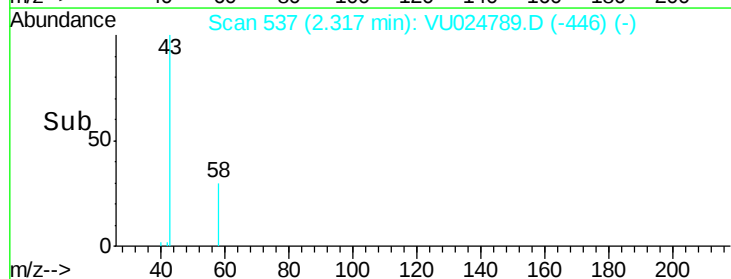
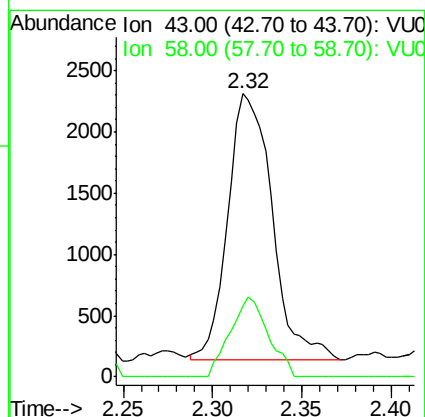
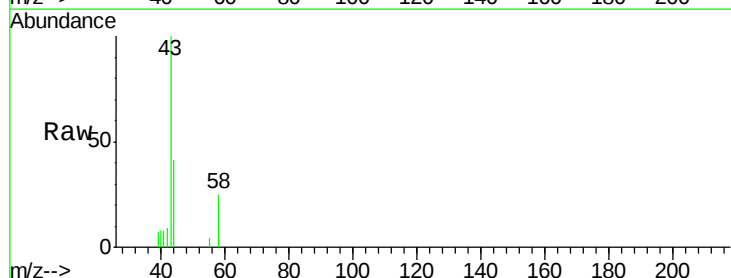
Acq: 21 Jun 2018 04:52

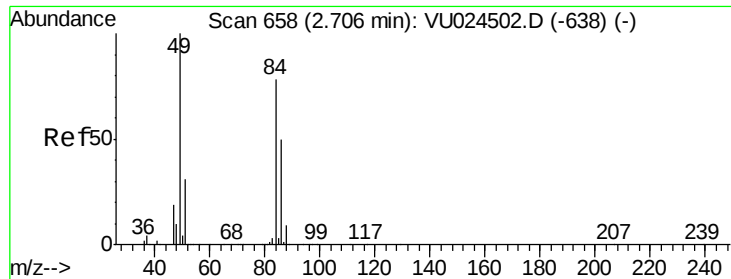
Tgt Ion: 43 Resp: 3775

Ion Ratio Lower Upper

43 100

58 26.6 24.4 36.6

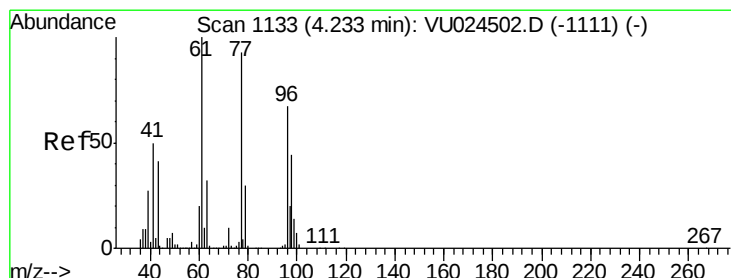
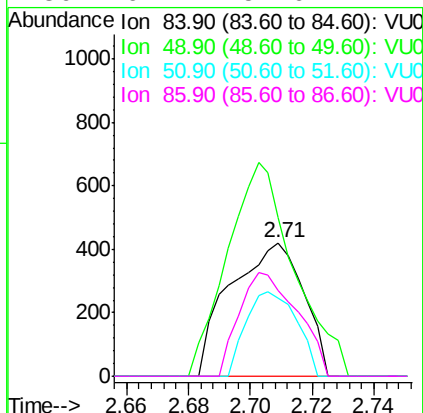
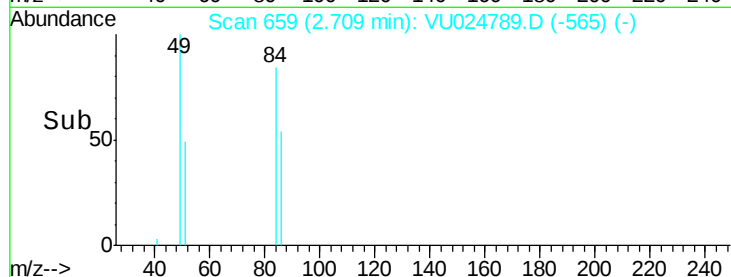
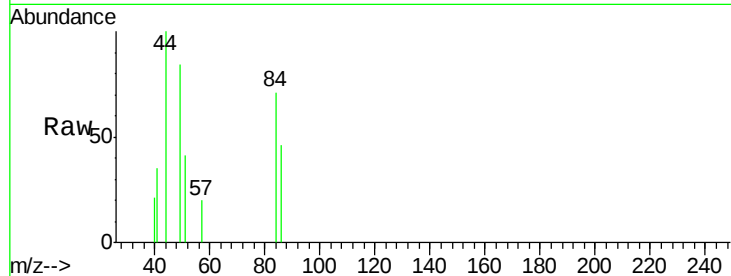




#20
Methylene Chloride
Concen: 0.257 ug/l
RT: 2.71 min Scan# 659
Delta R.T. 0.00 min
Lab File: VU024789.D
Acq: 21 Jun 2018 04:52

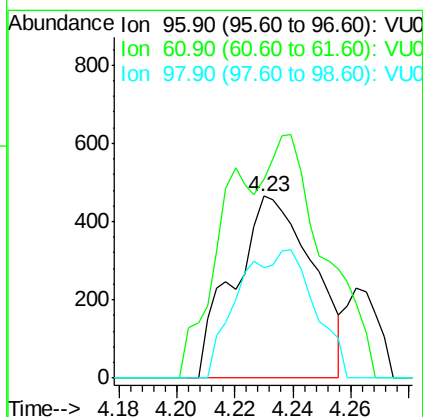
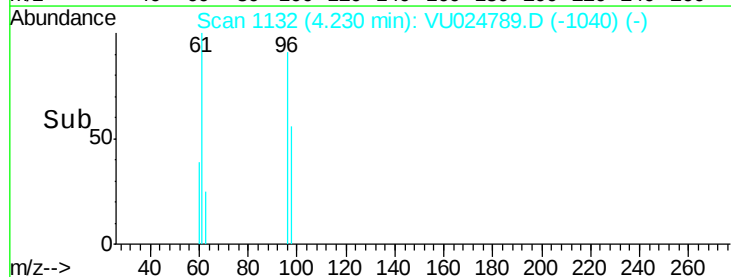
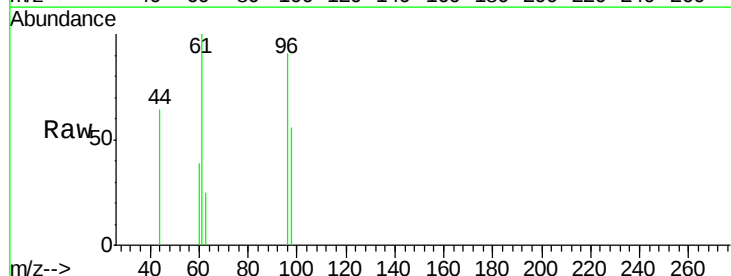
Instrument :
MSVOA_U
ClientSampleId :
CKMW19

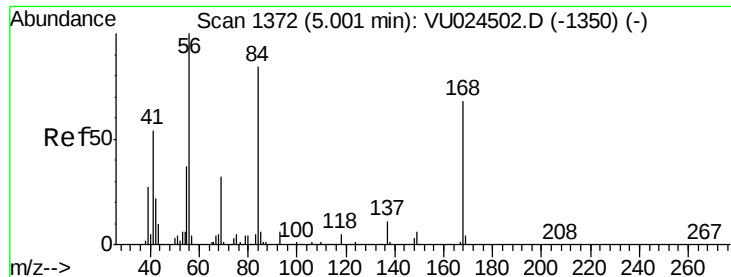
Tgt Ion:	84	Resp:	694
Ion	Ratio	Lower	Upper
84	100		
49	118.8	103.8	155.8
51	58.4	32.0	48.0#
86	64.1	51.6	77.4



#27
cis-1,2-Dichloroethene
Concen: 0.309 ug/l
RT: 4.23 min Scan# 1132
Delta R.T. -0.00 min
Lab File: VU024789.D
Acq: 21 Jun 2018 04:52

Tgt Ion:	96	Resp:	874
Ion	Ratio	Lower	Upper
96	100		
61	91.9	0.0	306.6
98	68.4	0.0	128.8

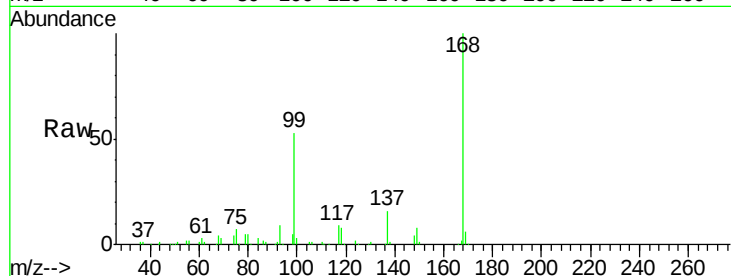




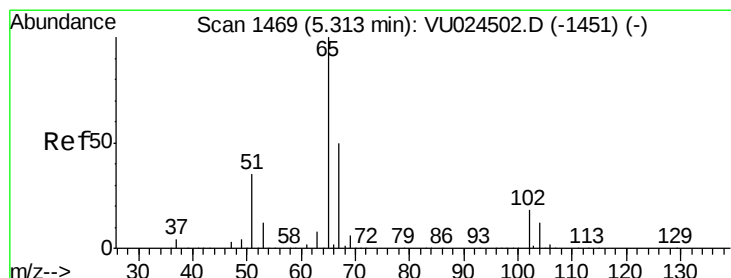
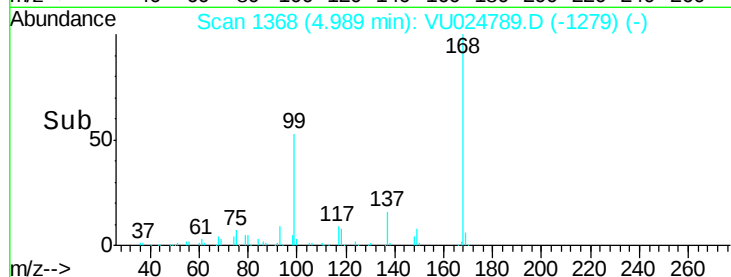
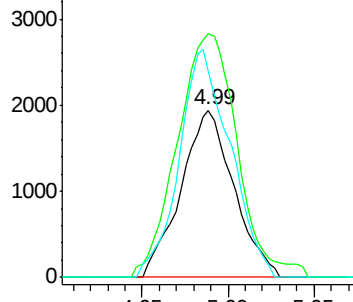
#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VU024789.D
Acq: 21 Jun 2018 04:52

Instrument :
MSVOA_U
ClientSampleId :
CKMW19

Tgt Ion: 56 Resp: 4145
Ion Ratio Lower Upper
56 100
69 139.5 24.8 37.2#
84 123.7 65.2 97.8#

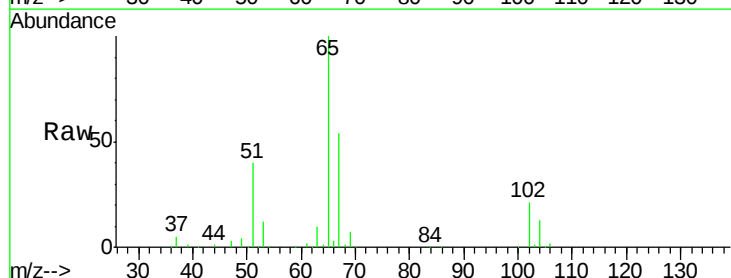


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

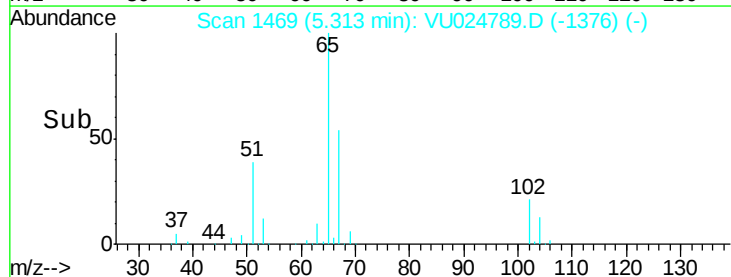
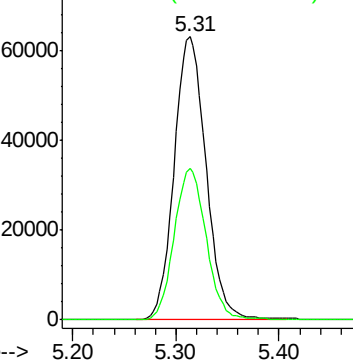


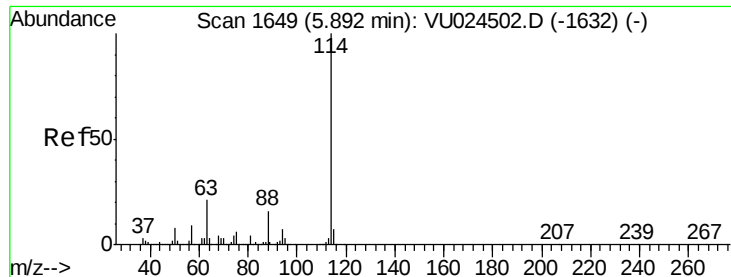
#33
1,2-Dichloroethane-d4
Concen: 42.564 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VU024789.D
Acq: 21 Jun 2018 04:52

Tgt Ion: 65 Resp: 136122
Ion Ratio Lower Upper
65 100
67 53.8 0.0 107.0



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

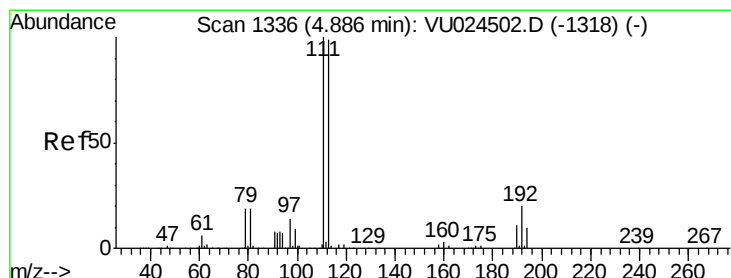
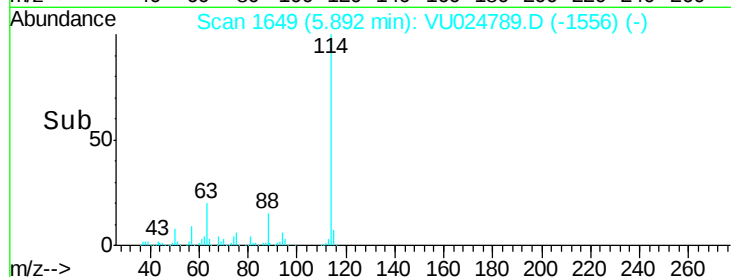
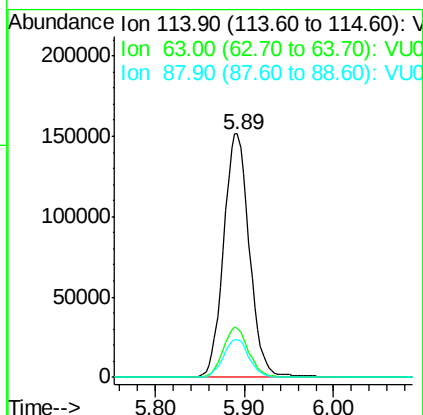
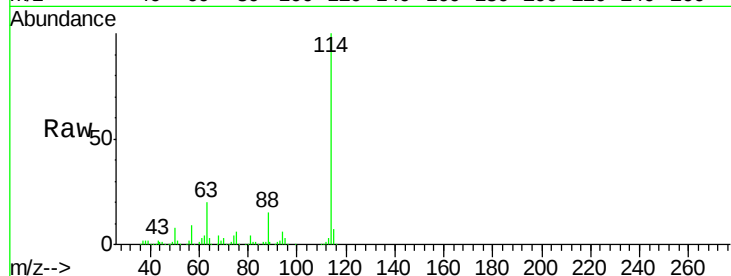




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU024789.D
 Acq: 21 Jun 2018 04:52

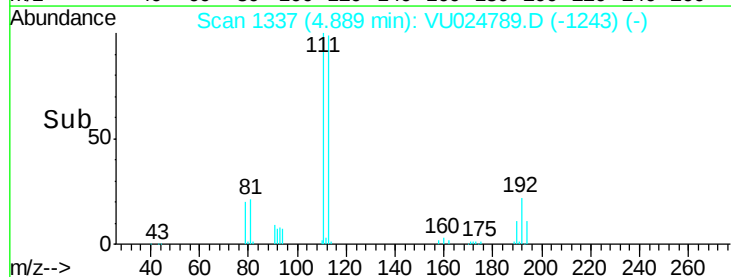
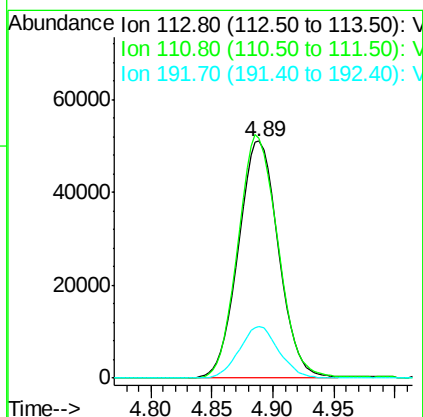
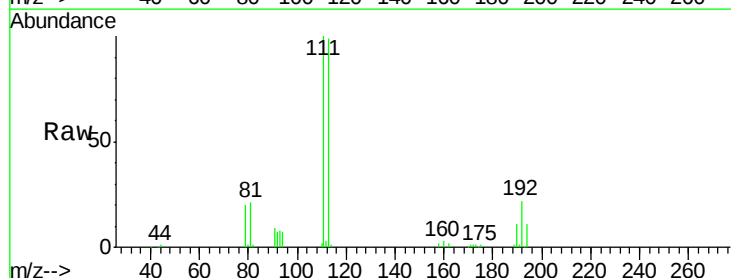
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 CKMW19

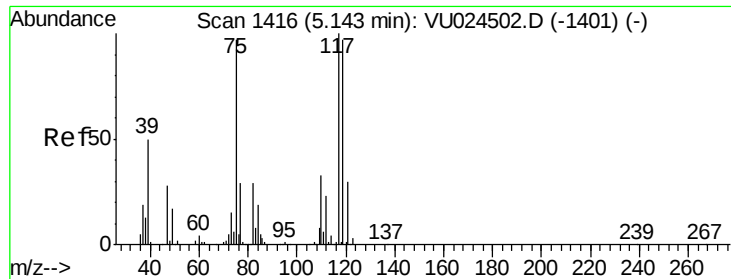
Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	45.4
88	15.5	0.0	31.0



#35
 Dibromofluoromethane
 Concen: 46.168 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024789.D
 Acq: 21 Jun 2018 04:52

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.2	123.4
192	21.5	16.2	24.4





#36

1,1-Dichloropropene

Concen: 3.830 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.16 min

Lab File: VU024789.D

Acq: 21 Jun 2018 04:52

Instrument :

MSVOA_U

ClientSampleId :

CKMW19

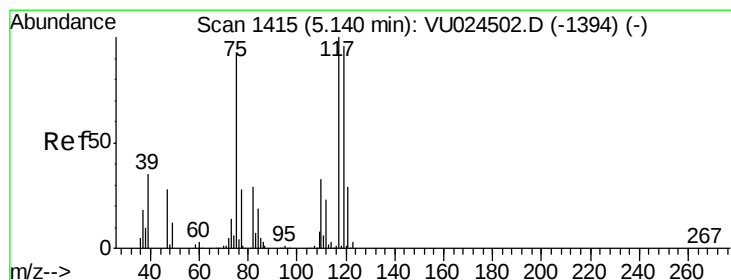
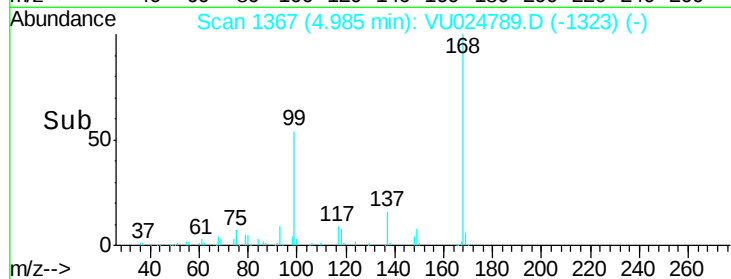
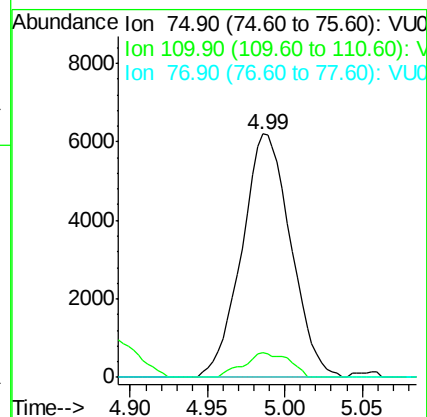
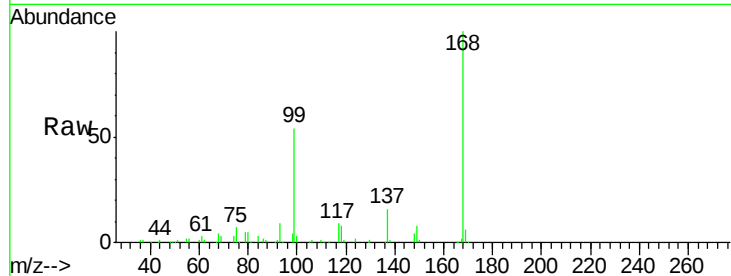
Tgt Ion: 75 Resp: 13643

Ion Ratio Lower Upper

75 100

110 9.4 17.0 50.9#

77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 4.666 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.15 min

Lab File: VU024789.D

Acq: 21 Jun 2018 04:52

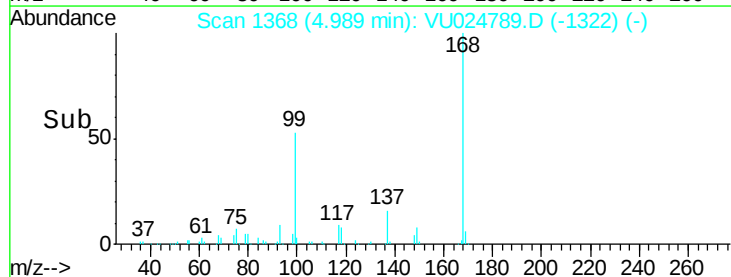
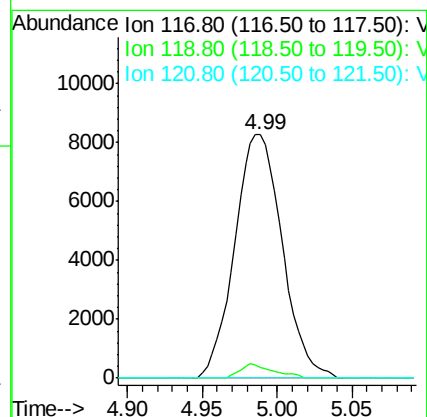
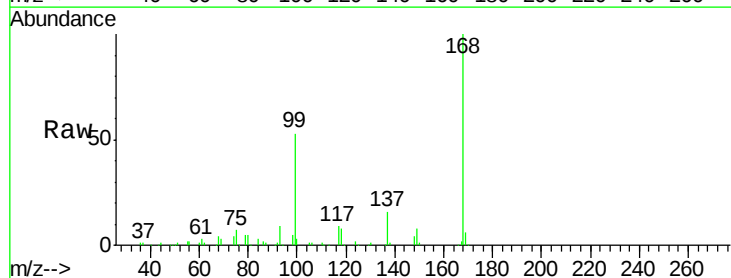
Tgt Ion: 117 Resp: 18279

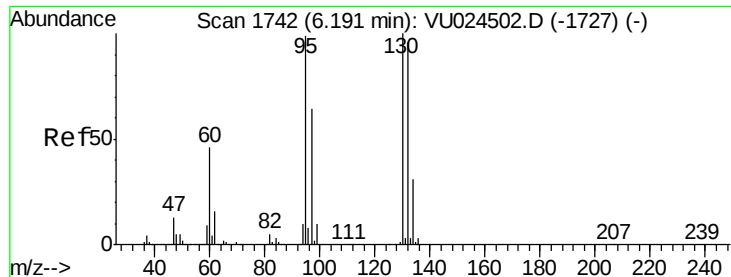
Ion Ratio Lower Upper

117 100

119 4.5 76.1 114.1#

121 0.0 23.7 35.5#

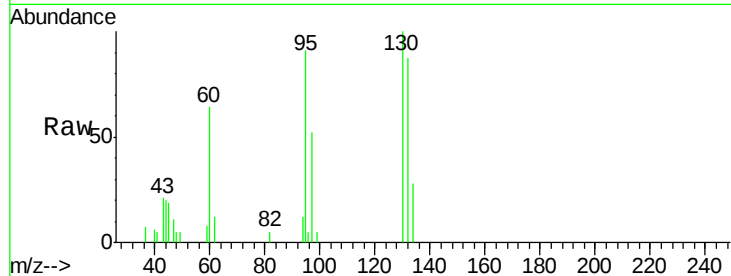




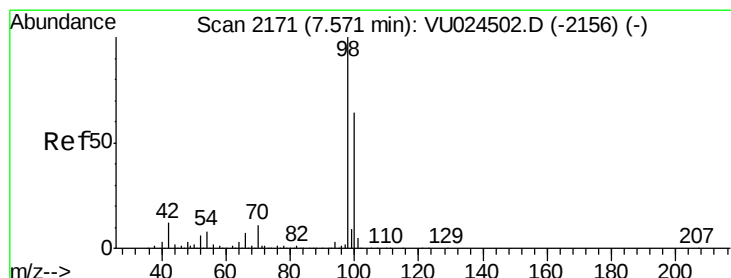
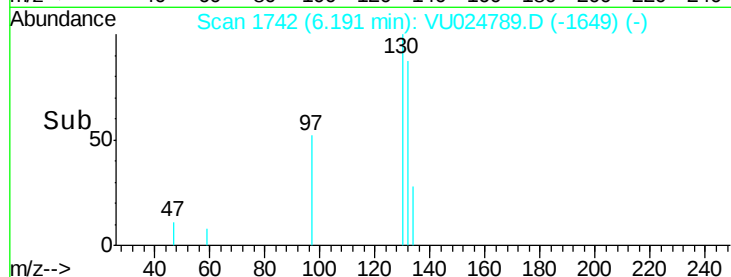
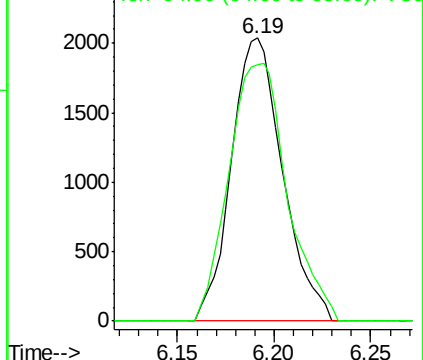
#44
 Trichloroethene
 Concen: 1.301 ug/l
 RT: 6.19 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VU024789.D
 Acq: 21 Jun 2018 04:52

Instrument :
 MSVOA_U
 ClientSampleId :
 CKMW19

Tgt Ion:130 Resp: 3759
 Ion Ratio Lower Upper
 130 100
 95 90.7 0.0 202.4

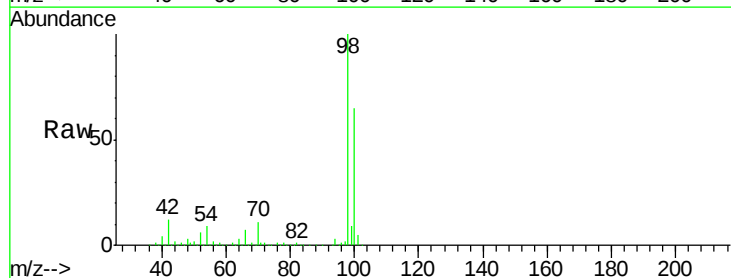


Abundance Ion 129.80 (129.50 to 130.50): VU024789.D (-1649) (-)
 Ion 94.90 (94.60 to 95.60): VU024789.D (-1649) (-)

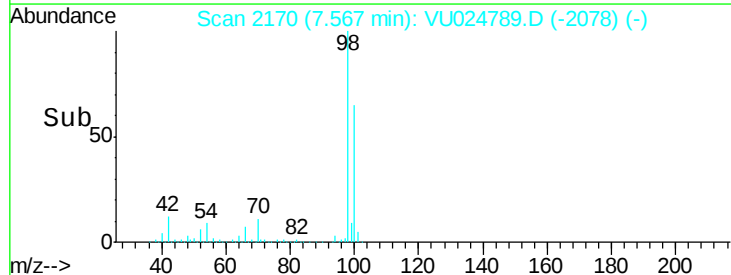
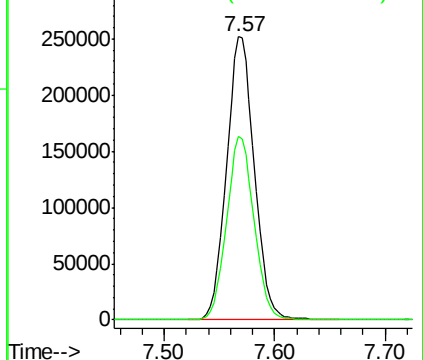


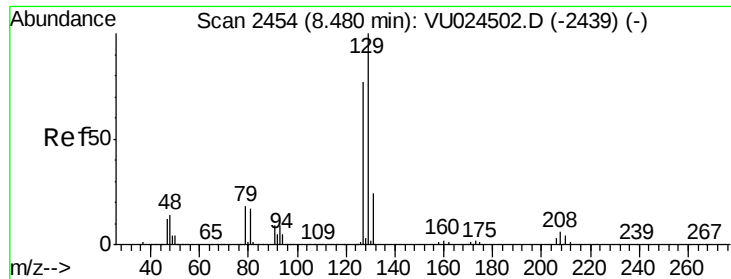
#50
 Toluene-d8
 Concen: 47.840 ug/l
 RT: 7.57 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VU024789.D
 Acq: 21 Jun 2018 04:52

Tgt Ion: 98 Resp: 439027
 Ion Ratio Lower Upper
 98 100
 100 64.1 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VU024789.D (-2078) (-)
 Ion 100.00 (99.70 to 100.70): VU024789.D (-2078) (-)

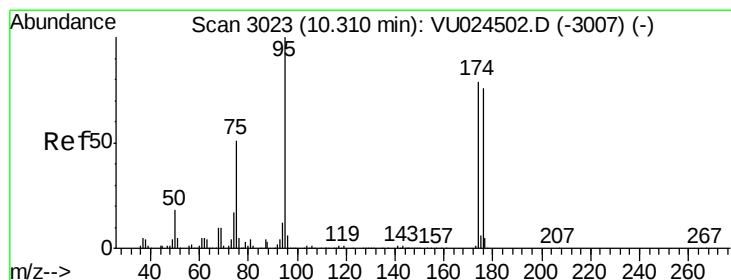
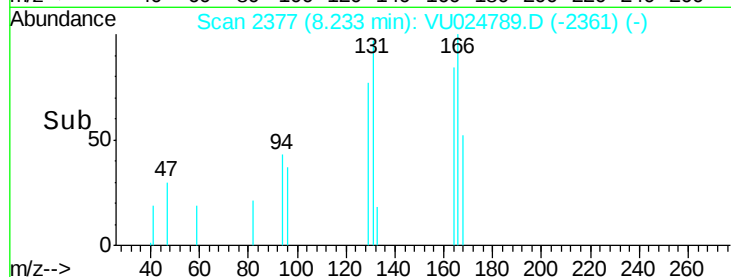
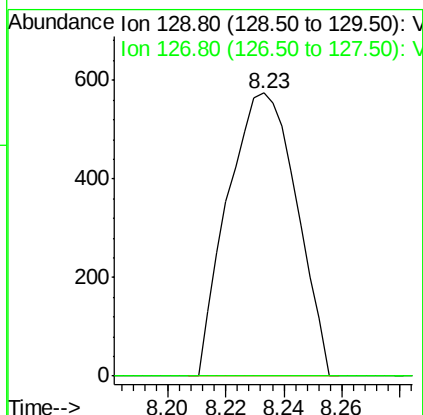
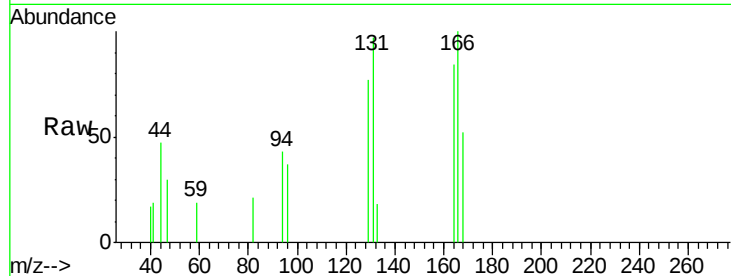




#60
 Dibromochloromethane
 Concen: 0.285 ug/l
 RT: 8.23 min Scan# 2377
 Delta R.T. -0.25 min
 Lab File: VU024789.D
 Acq: 21 Jun 2018 04:52

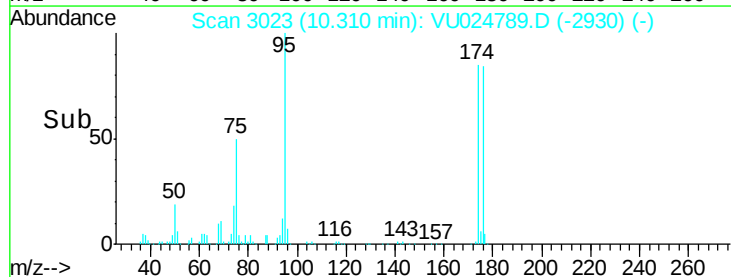
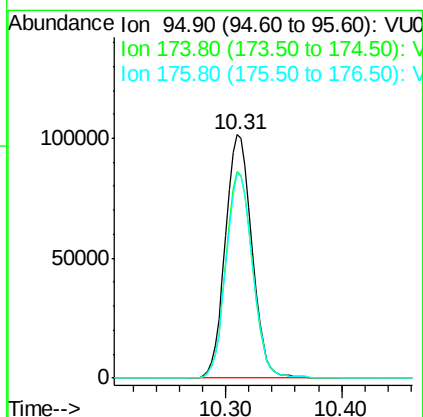
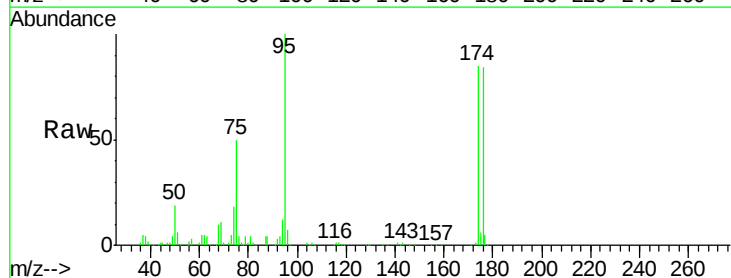
Instrument :
 MSVOA_U
 ClientSampleId :
 CKMW19

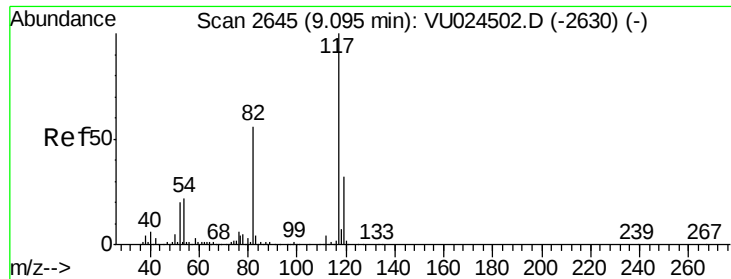
Tgt Ion:129 Resp: 944
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.6 116.0#



#62
 4-Bromofluorobenzene
 Concen: 44.179 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. 0.00 min
 Lab File: VU024789.D
 Acq: 21 Jun 2018 04:52

Tgt Ion: 95 Resp: 160971
 Ion Ratio Lower Upper
 95 100
 174 84.8 0.0 165.8
 176 83.9 0.0 159.4

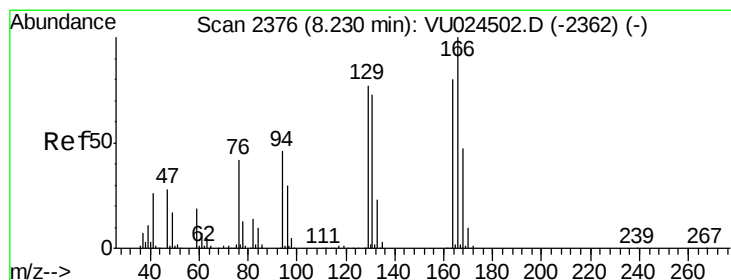
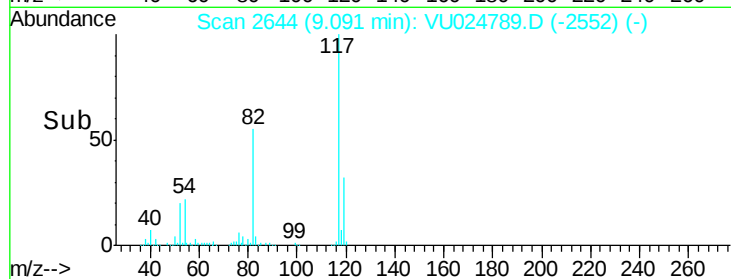
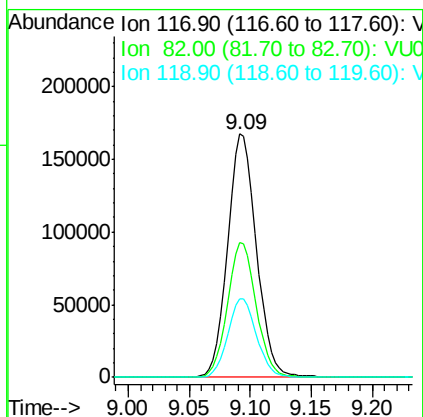
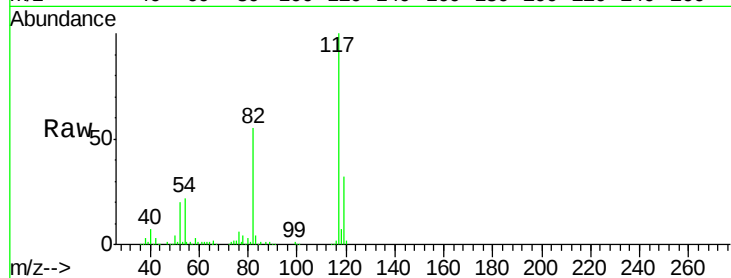




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024789.D
Acq: 21 Jun 2018 04:52

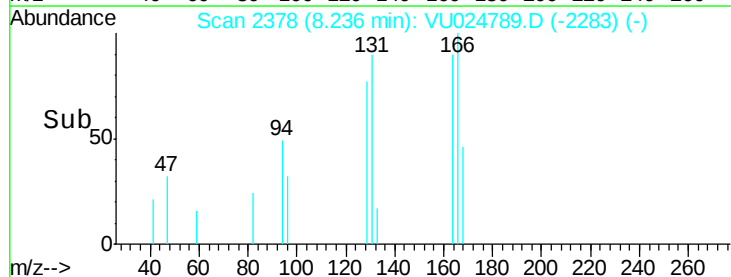
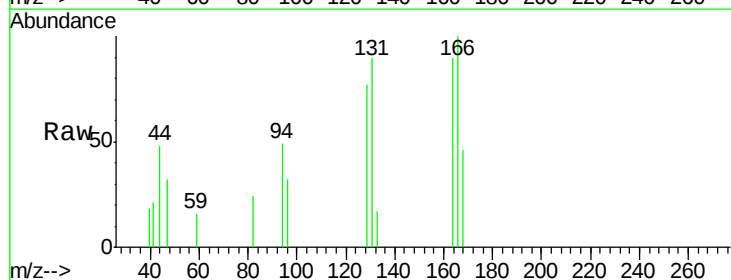
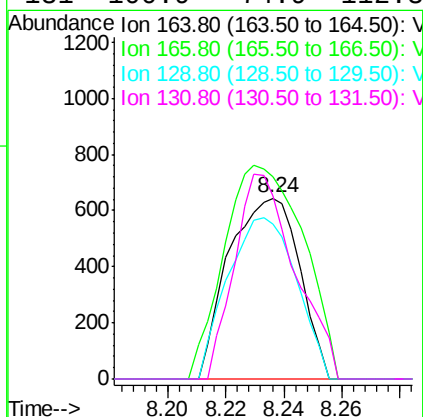
Instrument :
MSVOA_U
ClientSampleId :
CKMW19

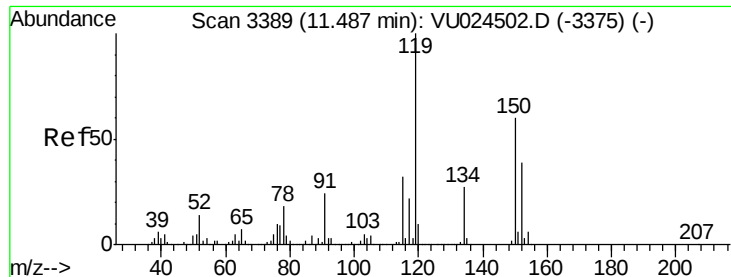
Tgt Ion:117 Resp: 277086
Ion Ratio Lower Upper
117 100
82 55.3 44.3 66.5
119 32.4 25.4 38.2



#64
Tetrachloroethene
Concen: 0.413 ug/l
RT: 8.24 min Scan# 2378
Delta R.T. 0.01 min
Lab File: VU024789.D
Acq: 21 Jun 2018 04:52

Tgt Ion:164 Resp: 1088
Ion Ratio Lower Upper
164 100
166 111.6 101.7 152.5
129 85.7 76.9 115.3
131 100.9 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: VU024789.D

Acq: 21 Jun 2018 04:52

Instrument :

MSVOA_U

ClientSampleId :

CKMW19

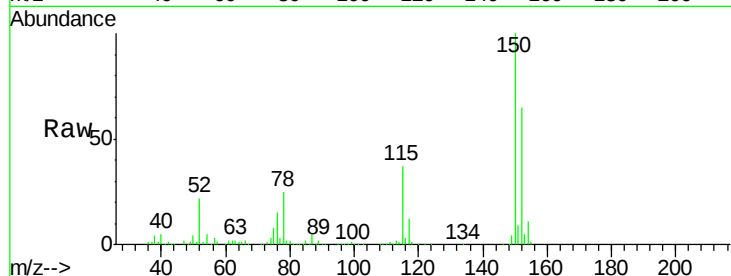
Tgt Ion:152 Resp: 152777

Ion Ratio Lower Upper

152 100

115 56.9 43.0 129.0

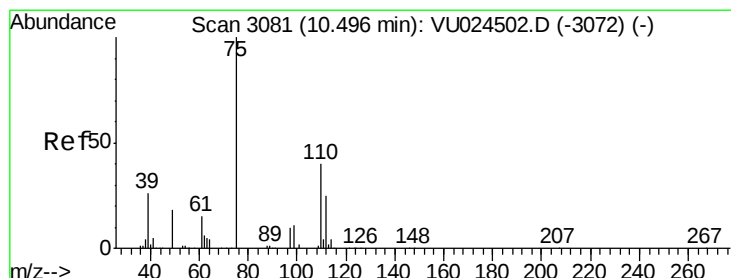
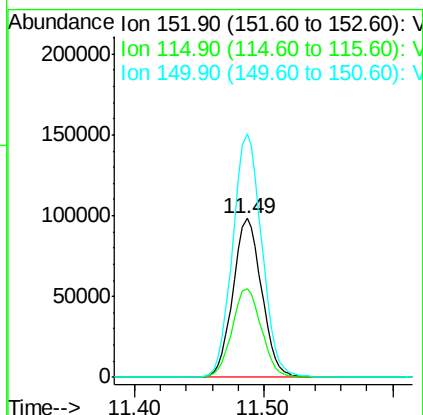
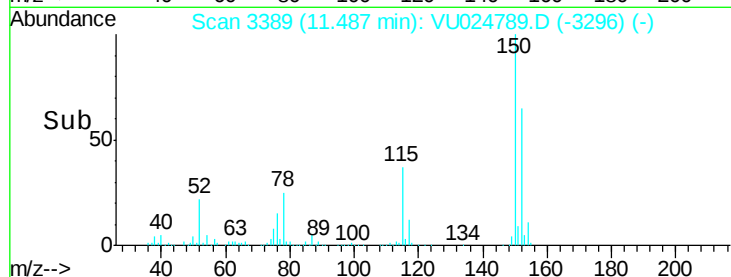
150 155.2 0.0 354.0



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: 24.534 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU024789.D

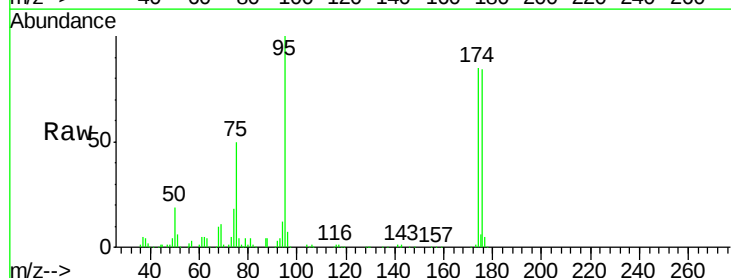
Acq: 21 Jun 2018 04:52

Tgt Ion: 75 Resp: 82524

Ion Ratio Lower Upper

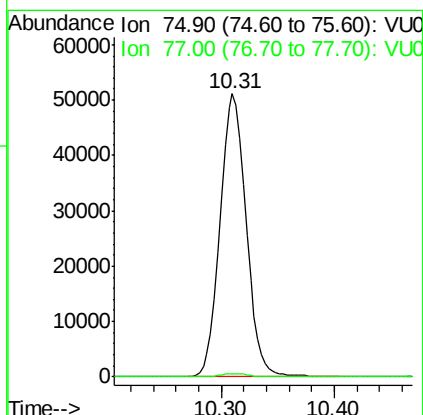
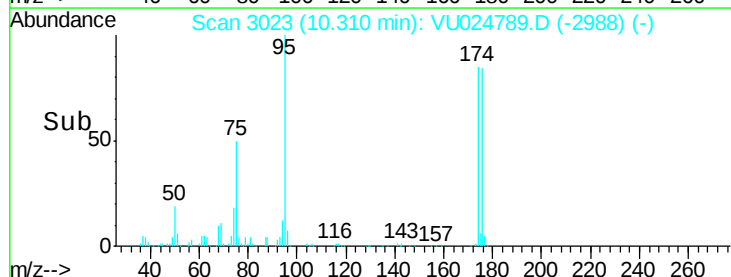
75 100

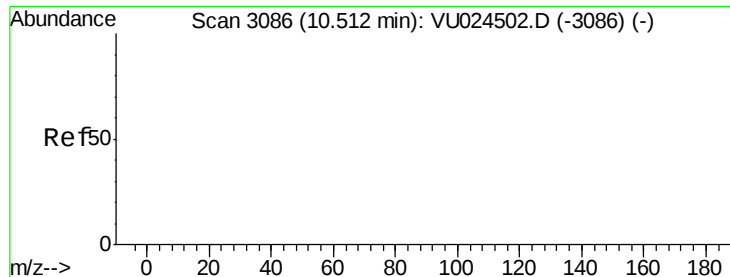
77 1.2 20.9 62.7#



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: 56.783 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU024789.D

Acq: 21 Jun 2018 04:52

Instrument :

MSVOA_U

ClientSampleId :

CKMW19

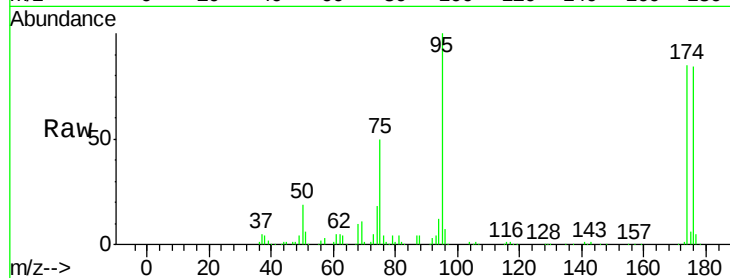
Tgt Ion: 75 Resp: 82524

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

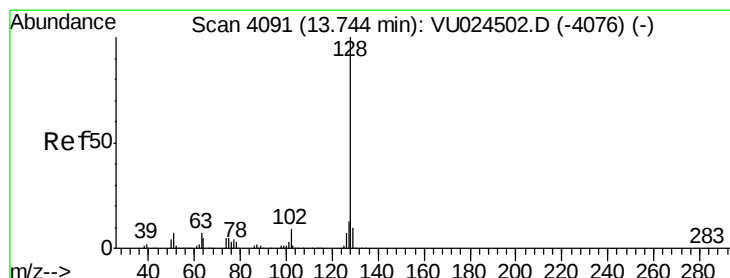
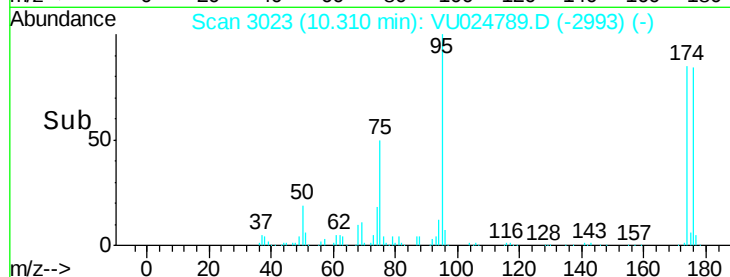
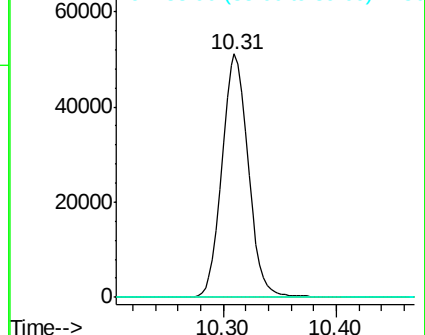
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU024502.D (-3086) (-)

Ion 53.00 (52.70 to 53.70): VU024502.D (-3086) (-)

Ion 88.90 (88.60 to 89.60): VU024502.D (-3086) (-)



#95

Naphthalene

Concen: 0.704 ug/l

RT: 13.77 min Scan# 4098

Delta R.T. 0.02 min

Lab File: VU024789.D

Acq: 21 Jun 2018 04:52

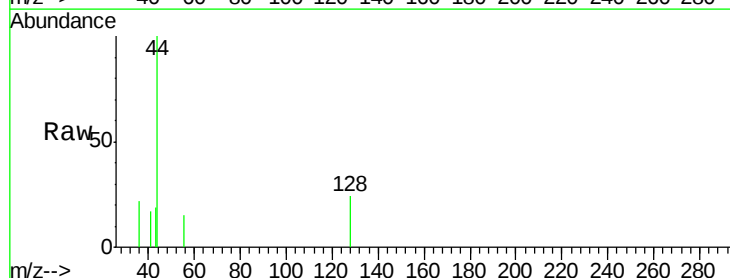
Tgt Ion: 128 Resp: 283

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): VU024502.D (-4076) (-)

Ion 127.00 (126.70 to 127.70): VU024502.D (-4076) (-)

Ion 129.00 (128.70 to 129.70): VU024502.D (-4076) (-)

