

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120618\
 Data File : VU028511.D
 Acq On : 06 Dec 2018 19:18
 Operator : MD/SY
 Sample : J6252-09
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW07S-M16W4-11-29-18

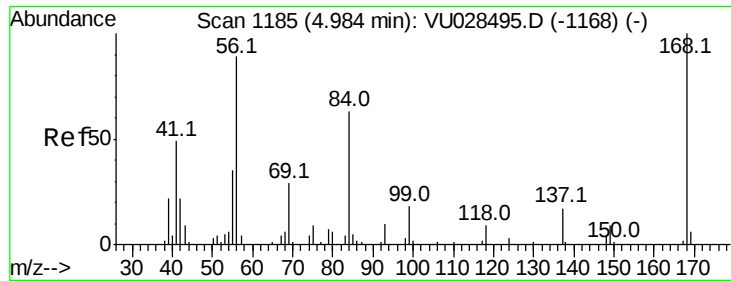
Quant Time: Dec 07 06:17:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	97477	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	183501	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	174542	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	81582	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	83018	55.81	ug/l	0.00
Spiked Amount			Recovery	=	111.62%	
35) Dibromofluoromethane	4.88	113	60436	52.34	ug/l	0.00
Spiked Amount			Recovery	=	104.68%	
50) Toluene-d8	7.57	98	244211	53.46	ug/l	0.00
Spiked Amount			Recovery	=	106.92%	
62) 4-Bromofluorobenzene	10.30	95	88976	52.11	ug/l	0.00
Spiked Amount			Recovery	=	104.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.84	59	463	1.397	ug/l #	73
14) Allyl chloride	2.44	41	590	0.230	ug/l #	65
16) Acetone	2.32	43	958	0.987	ug/l	94
18) Methyl Acetate	2.44	43	1688	0.671	ug/l #	56
25) 2-Butanone	4.20	43	318	0.240	ug/l #	52
31) Cyclohexane	4.99	56	2406	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	8545	4.255	ug/l #	47
38) Carbon Tetrachloride	4.98	117	9468	5.850	ug/l #	14
51) 4-Methyl-2-Pentanone	7.57	43	1295	0.500	ug/l #	1
60) Dibromochloromethane	8.23	129	2883	2.140	ug/l #	10
64) Tetrachloroethene	8.23	164	2986	2.565	ug/l	89
76) 1,2,3-Trichloropropane	10.30	75	46974	22.549	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.30	75	46974	55.383	ug/l #	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028511.D

Acq: 06 Dec 2018 19:18

Instrument :

MSVOA_U

ClientSampleId :

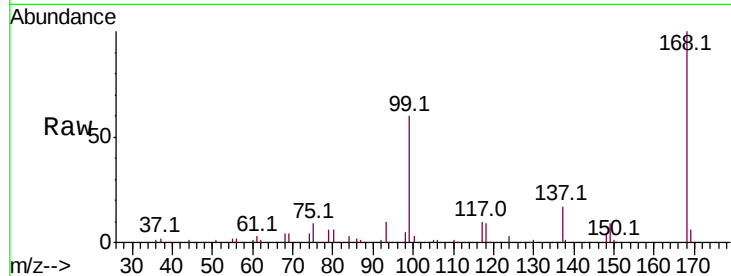
CPA-CPMW07S-M16W4-11-29-18

Tot Ion:168 Resp: 97477

Ion Ratio Lower Upper

168 100

99 60.0 46.6 69.8

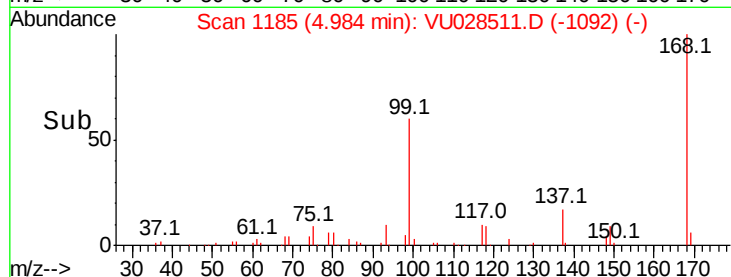


Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

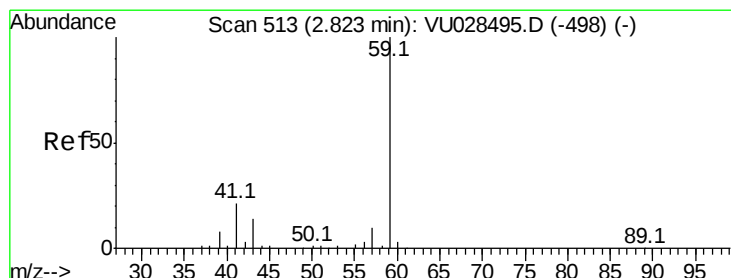
Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)

4.98

Time-->



Time-->



#11

Tert butyl alcohol

Concen: 1.397 ug/l

RT: 2.84 min Scan# 517

Delta R.T. 0.01 min

Lab File: VU028511.D

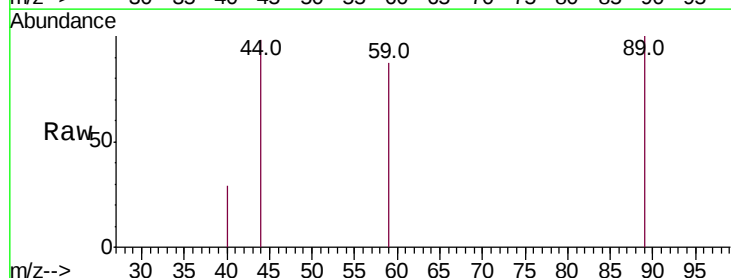
Acq: 06 Dec 2018 19:18

Tgt Ion: 59 Resp: 463

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#

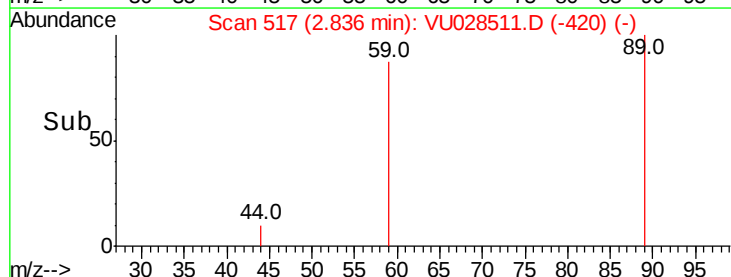


Abundance Ion 59.00 (58.70 to 59.70): VU028495.D (-498) (-)

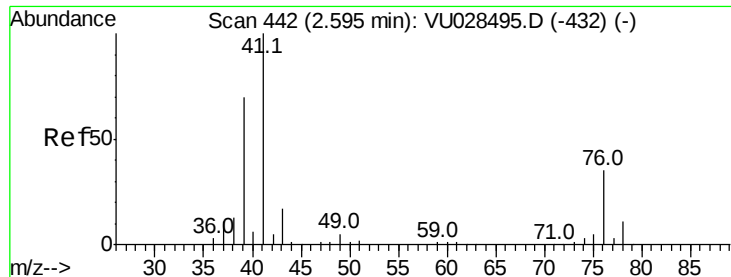
Ion 57.00 (56.70 to 57.70): VU028495.D (-498) (-)

2.84

Time-->



Time-->



#14

Allv1 chloride

Concen: 0.230 ug/l

RT: 2.44 min Scan# 395

Delta R.T. -0.15 min

Lab File: VU028511.D

Acq: 06 Dec 2018 19:18

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW07S-M16W4-11-29-18

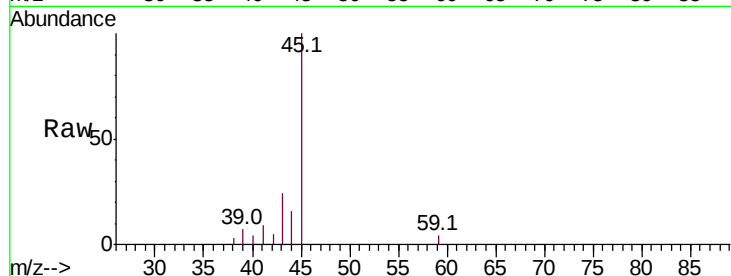
Tot Ion: 41 Resp: 590

Ion Ratio Lower Upper

41 100

39 82.5 50.8 76.2#

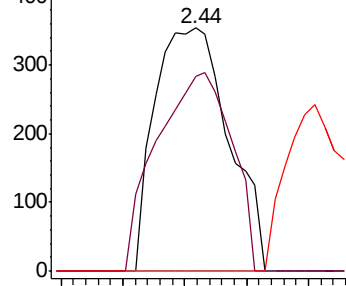
76 0.0 24.8 37.2#



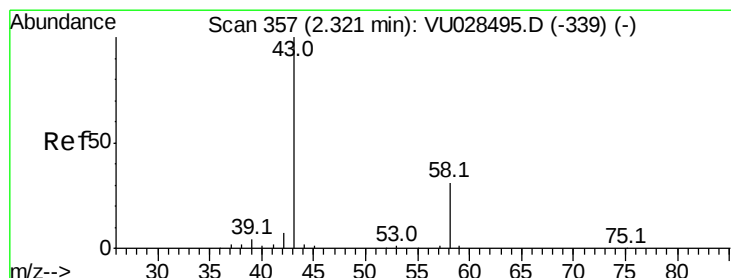
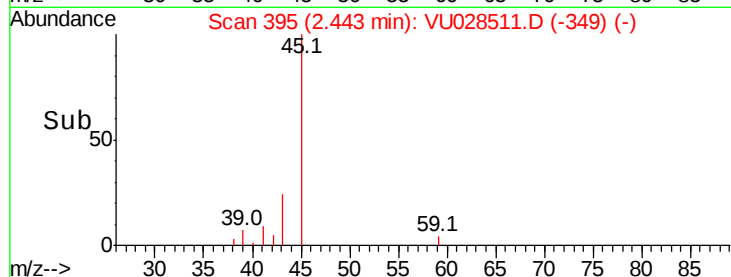
Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0



Time-->



#16

Acetone

Concen: 0.987 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028511.D

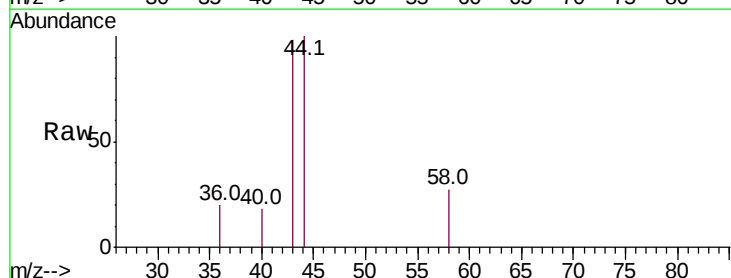
Acq: 06 Dec 2018 19:18

Tgt Ion: 43 Resp: 958

Ion Ratio Lower Upper

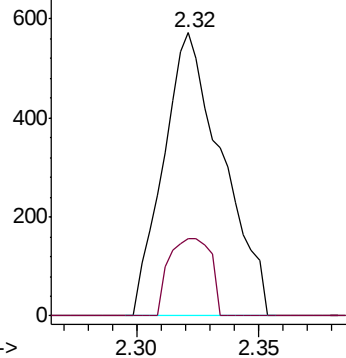
43 100

58 27.3 24.6 37.0

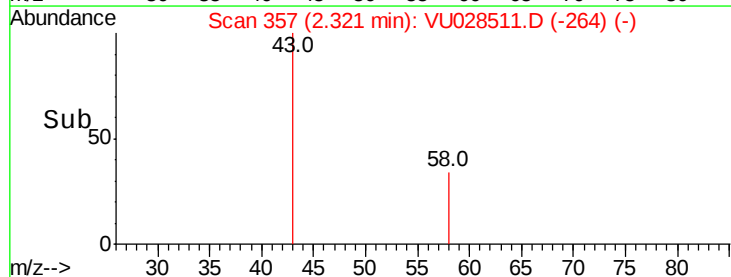


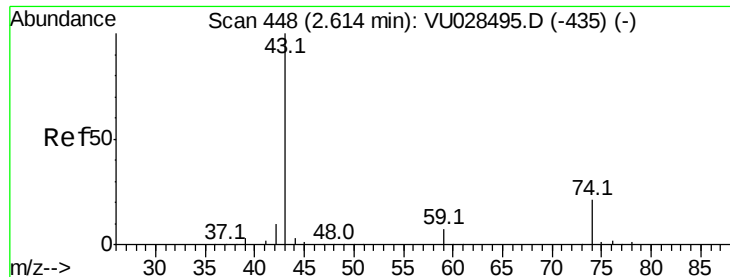
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



Time-->





#18

Methvl Acetate

Concen: 0.671 ug/l

RT: 2.44 min Scan# 395

Delta R.T. -0.17 min

Lab File: VU028511.D

Acq: 06 Dec 2018 19:18

Instrument :

MSVOA_U

ClientSampleId :

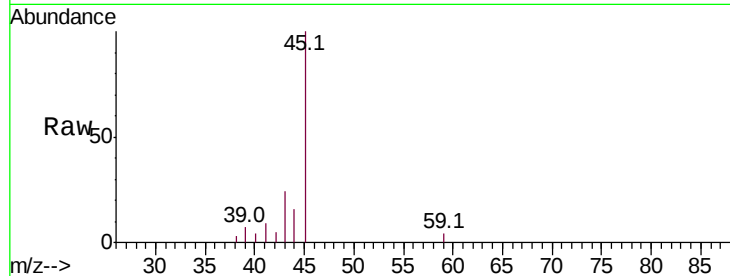
CPA-CPMW07S-M16W4-11-29-18

Tot Ion: 43 Resp: 1688

Ion Ratio Lower Upper

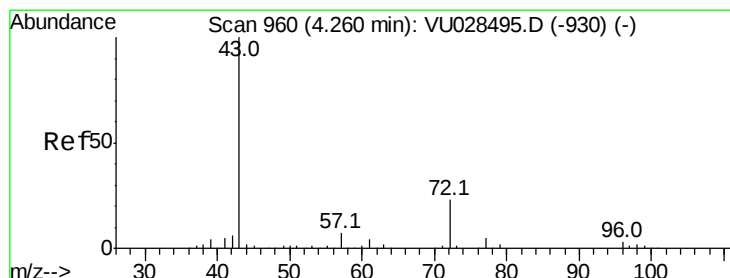
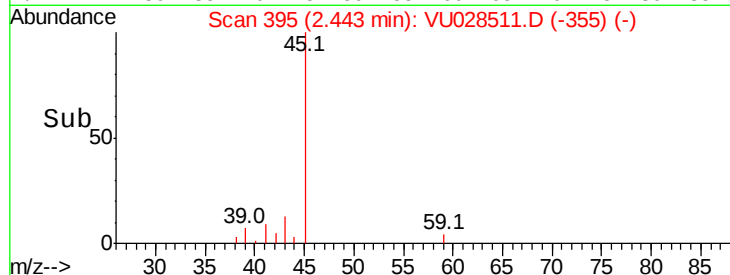
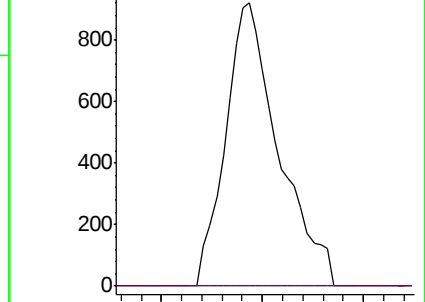
43 100

74 0.0 16.4 24.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#25

2-Butanone

Concen: 0.240 ug/l

RT: 4.20 min Scan# 942

Delta R.T. -0.06 min

Lab File: VU028511.D

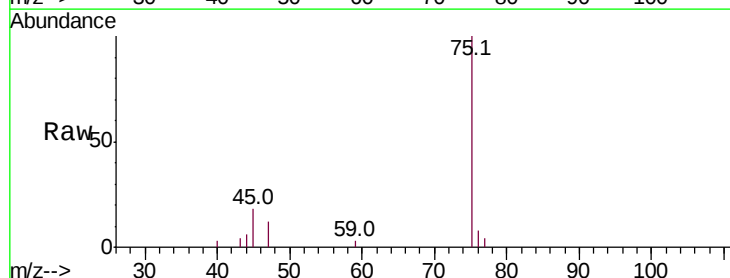
Acq: 06 Dec 2018 19:18

Tgt Ion: 43 Resp: 318

Ion Ratio Lower Upper

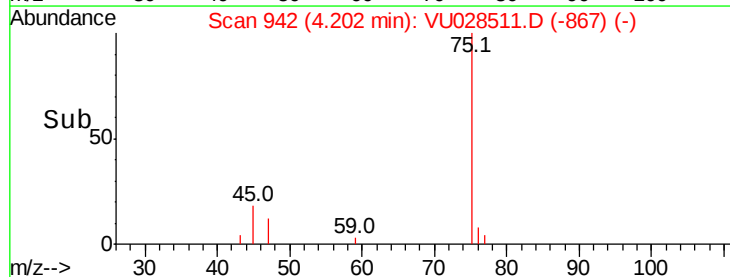
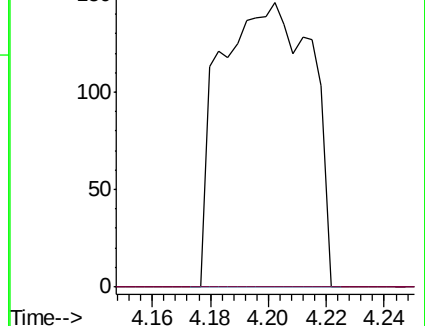
43 100

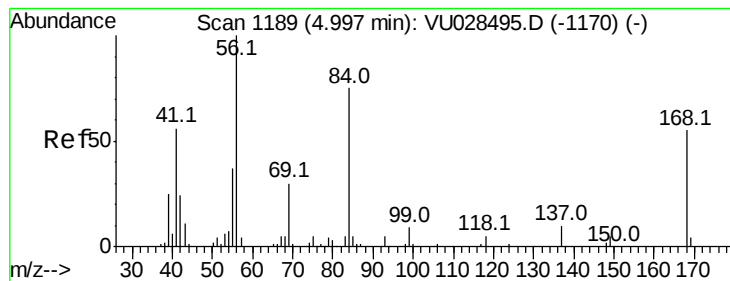
72 0.0 18.6 28.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0





#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1187

Delta R.T. -0.01 min

Lab File: VU028511.D

Acq: 06 Dec 2018 19:18

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW07S-M16W4-11-29-18

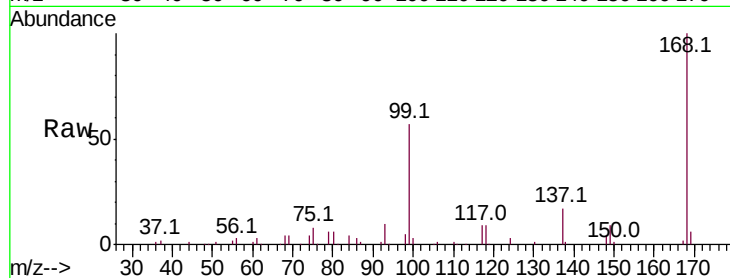
Tot Ion: 56 Resp: 2406

Ion Ratio Lower Upper

56 100

69 161.7 24.0 36.0#

84 146.6 59.7 89.5#



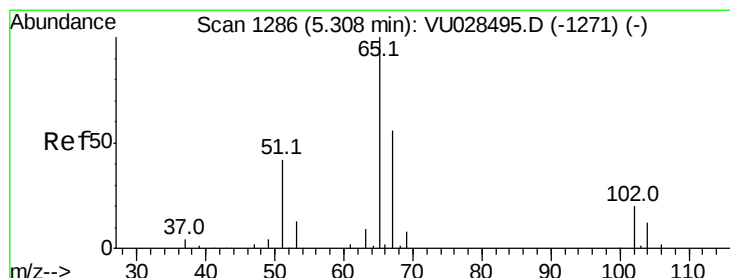
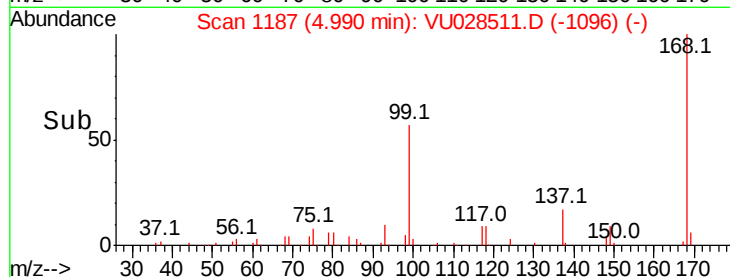
Abundance Ion 56.00 (55.70 to 56.70): VU028511.D (-1170) (-)

Ion 69.00 (68.70 to 69.70): VU028511.D (-1170) (-)

Ion 84.00 (83.70 to 84.70): VU028511.D (-1170) (-)

Time-->

4.95 5.00 5.05



#33

1,2-Dichloroethane-d4

Concen: 55.808 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VU028511.D

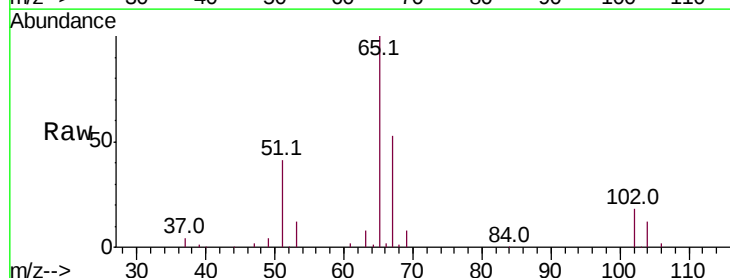
Acq: 06 Dec 2018 19:18

Tgt Ion: 65 Resp: 83018

Ion Ratio Lower Upper

65 100

67 53.6 0.0 110.6

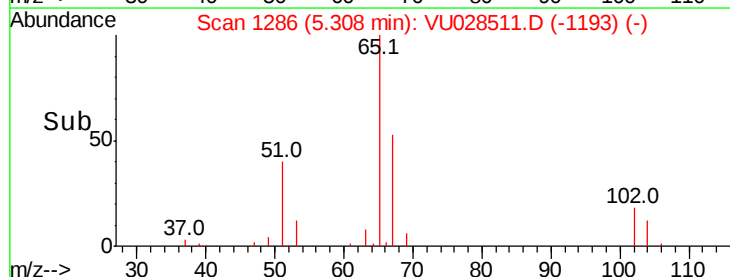


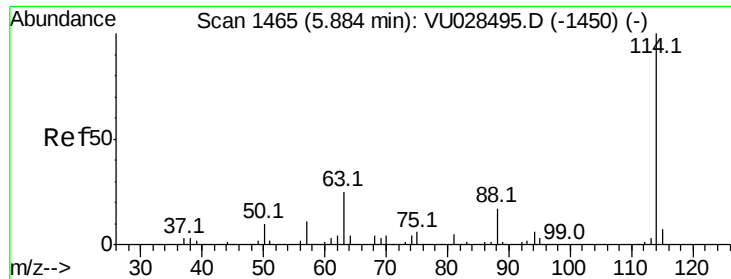
Abundance Ion 64.90 (64.60 to 65.60): VU028511.D (-1193) (-)

Ion 66.90 (66.60 to 67.60): VU028511.D (-1193) (-)

Time-->

5.20 5.25 5.30 5.35 5.40

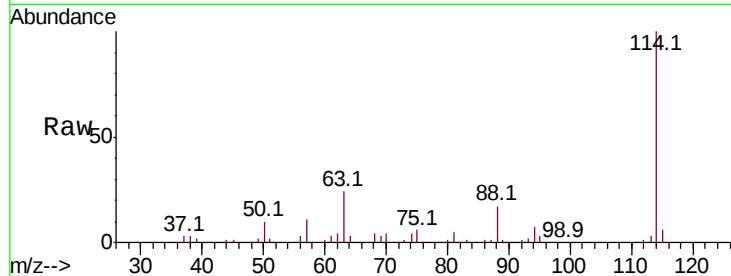




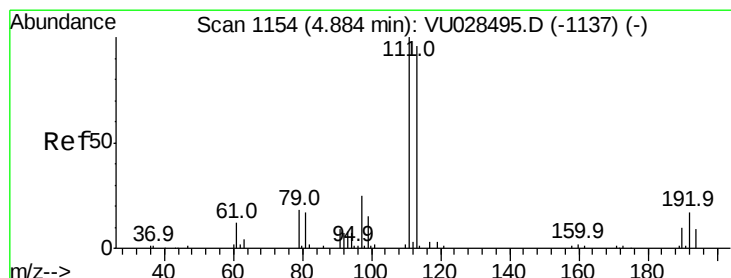
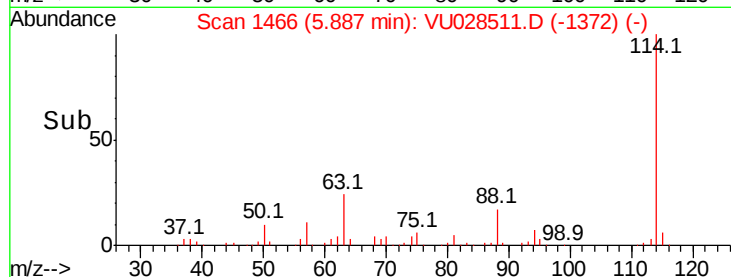
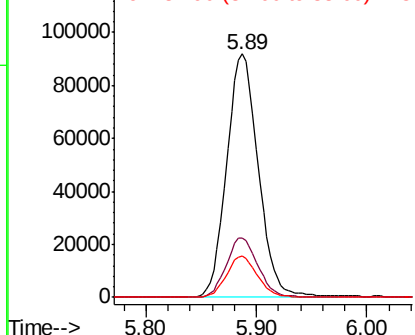
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028511.D
 Acq: 06 Dec 2018 19:18

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW07S-M16W4-11-29-18

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.4	0.0	49.2
88	16.9	0.0	33.4

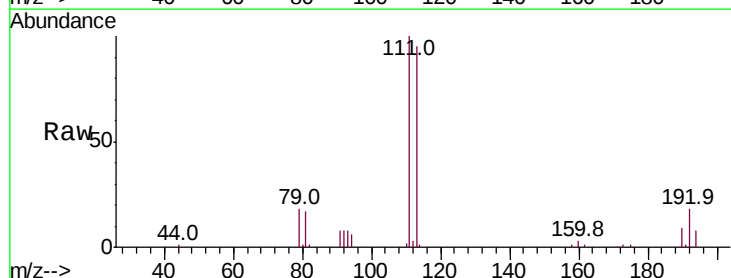


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VU0
 Ion 87.90 (87.60 to 88.60): VU0

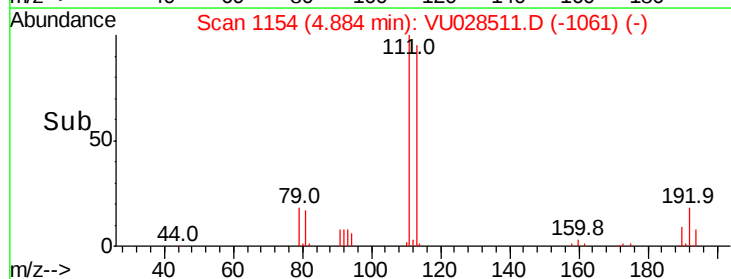
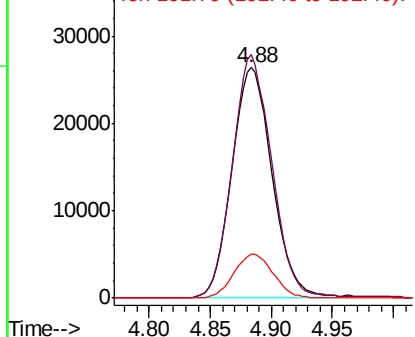


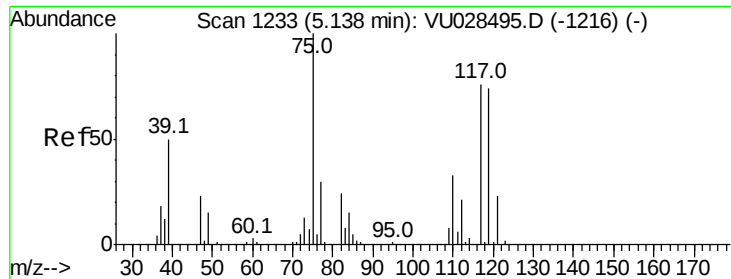
#35
 Dibromofluoromethane
 Concen: 52.335 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU028511.D
 Acq: 06 Dec 2018 19:18

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	83.4	125.0
192	18.6	14.8	22.2



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

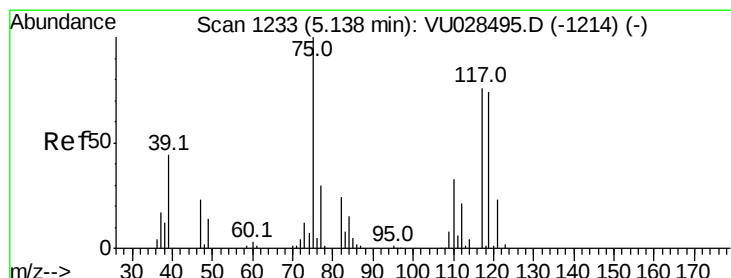
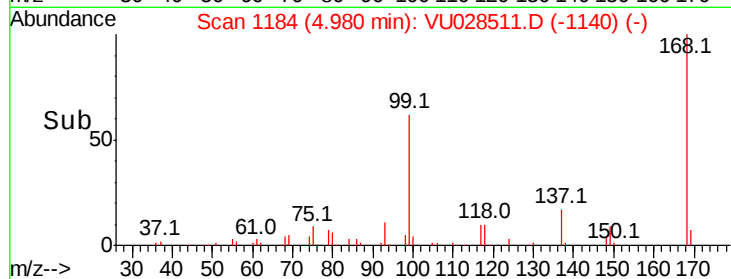
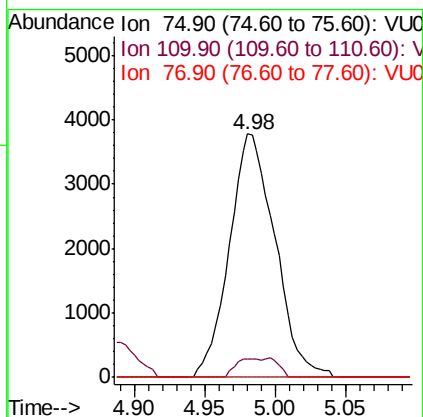
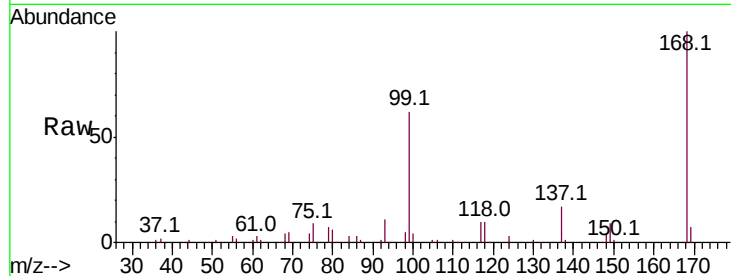




#36
 1,1-Dichloropropene
 Concen: 4.255 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.16 min
 Lab File: VU028511.D
 Acq: 06 Dec 2018 19:18

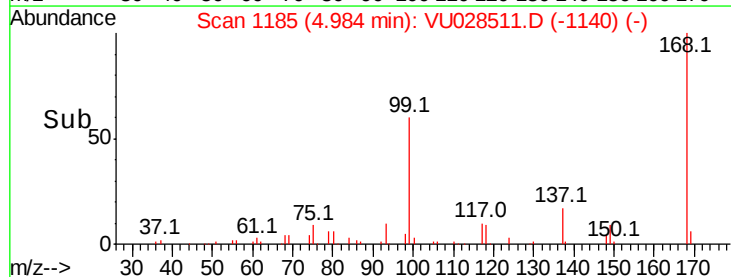
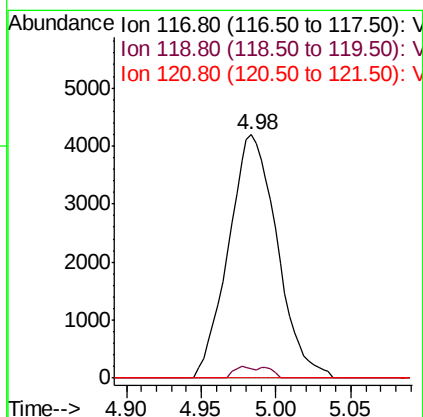
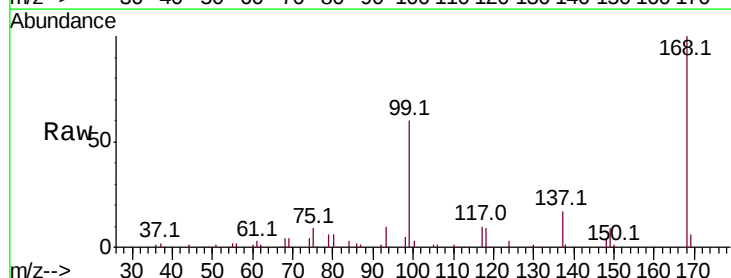
Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW07S-M16W4-11-29-18

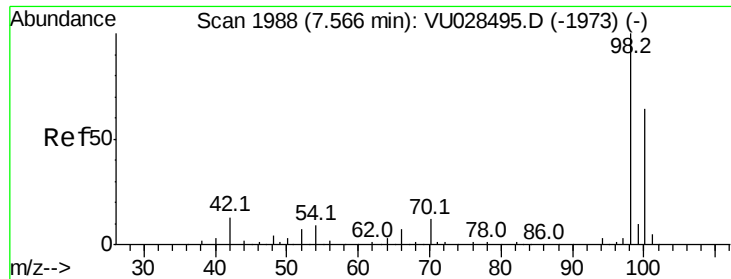
Tot Ion	Ratio	Lower	Upper
75	100		
110	4.4	16.1	48.2#
77	0.0	24.5	36.7#



#38
 Carbon Tetrachloride
 Concen: 5.850 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU028511.D
 Acq: 06 Dec 2018 19:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.7	77.6	116.4#
121	0.0	24.6	36.8#





#50

Toluene-d8

Concen: 53.460 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028511.D

Acq: 06 Dec 2018 19:18

Instrument :

MSVOA_U

ClientSampleId :

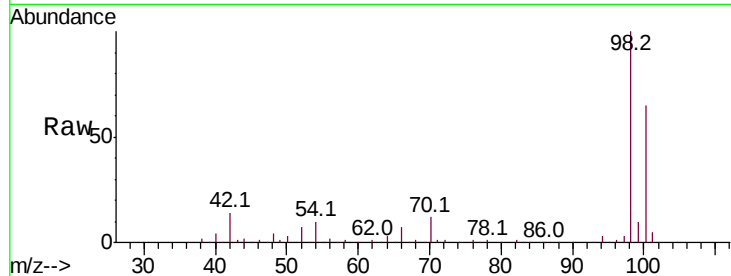
CPA-CPMW07S-M16W4-11-29-18

Tot Ion: 98 Resp: 244211

Ion Ratio Lower Upper

98 100

100 63.3 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU028495.D (-1973) (-)

Ion 100.00 (99.70 to 100.70): VU028495.D (-1973) (-)

7.57

150000

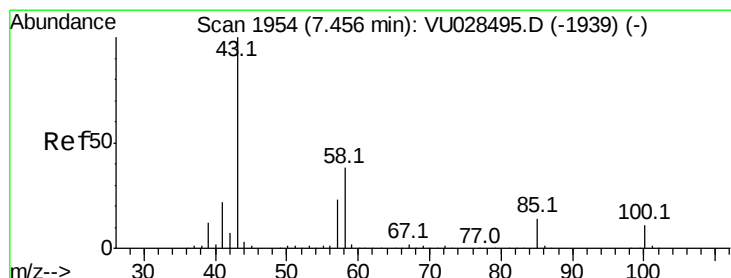
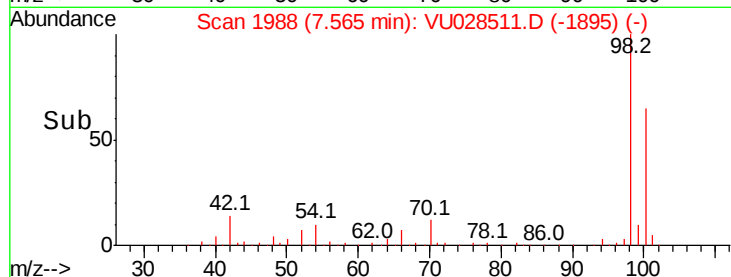
100000

50000

0

7.50 7.55 7.60 7.65 7.70

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.500 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.11 min

Lab File: VU028511.D

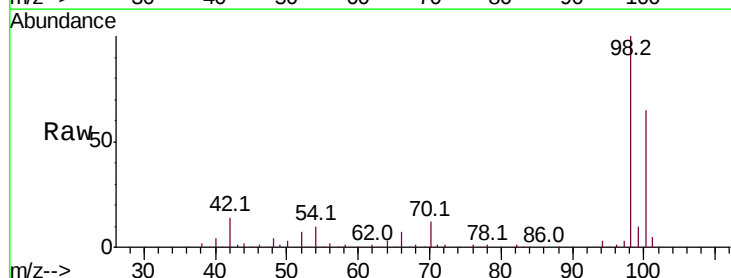
Acq: 06 Dec 2018 19:18

Tgt Ion: 43 Resp: 1295

Ion Ratio Lower Upper

43 100

58 171.9 30.2 45.2#



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-1939) (-)

Ion 58.00 (57.70 to 58.70): VU028495.D (-1939) (-)

7.57

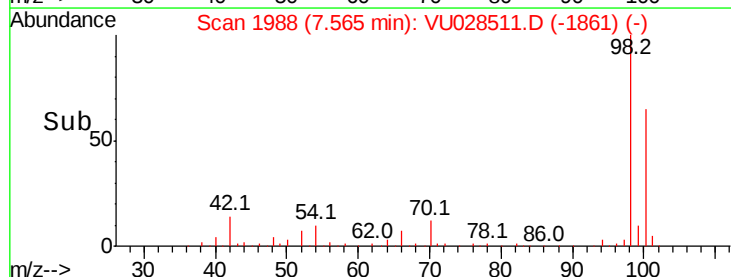
1000

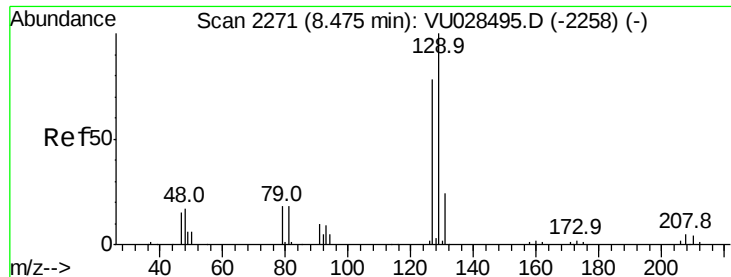
500

0

7.55 7.57 7.59 7.61

Time-->





#60

Dibromochloromethane

Concen: 2.140 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. -0.25 min

Lab File: VU028511.D

Acq: 06 Dec 2018 19:18

Instrument :

MSVOA_U

ClientSampleId :

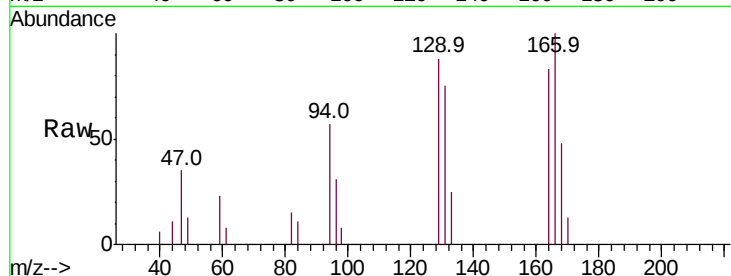
CPA-CPMW07S-M16W4-11-29-18

Tot Ion:129 Resp: 2883

Ion Ratio Lower Upper

129 100

127 0.0 39.1 117.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

8.23

2000

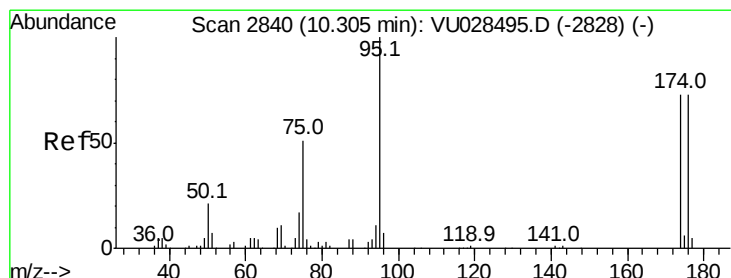
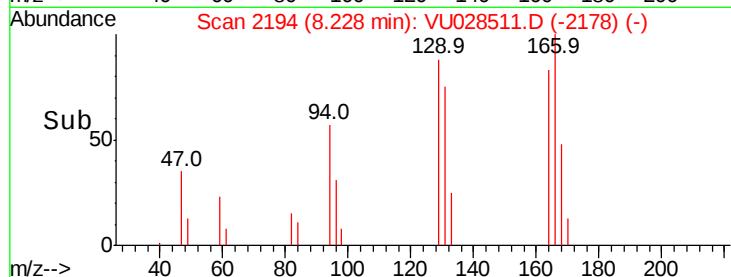
1500

1000

500

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.112 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VU028511.D

Acq: 06 Dec 2018 19:18

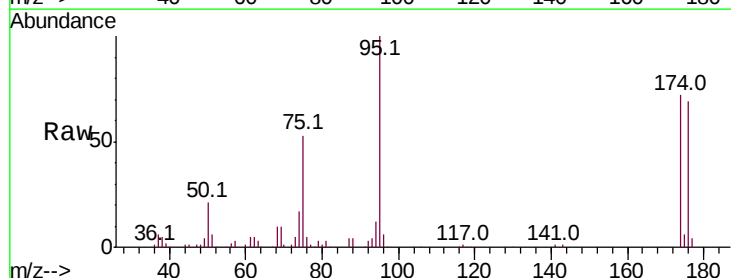
Tgt Ion: 95 Resp: 88976

Ion Ratio Lower Upper

95 100

174 74.6 0.0 150.4

176 70.9 0.0 145.2



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

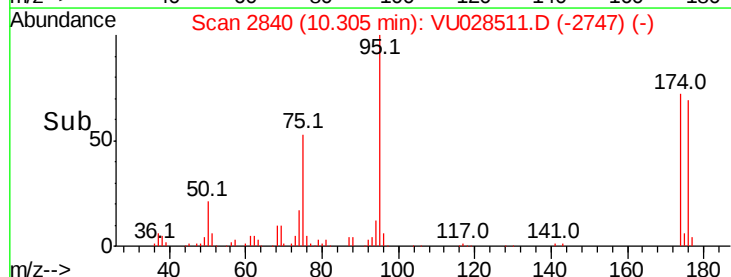
60000

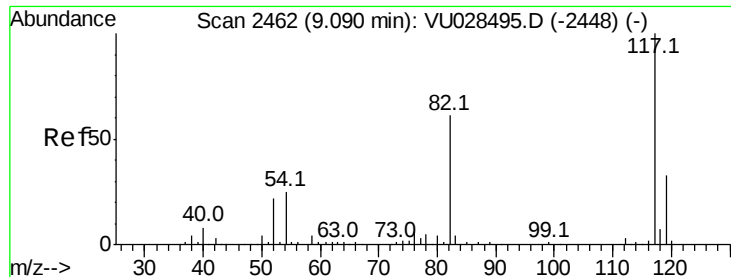
40000

20000

0

Time-->

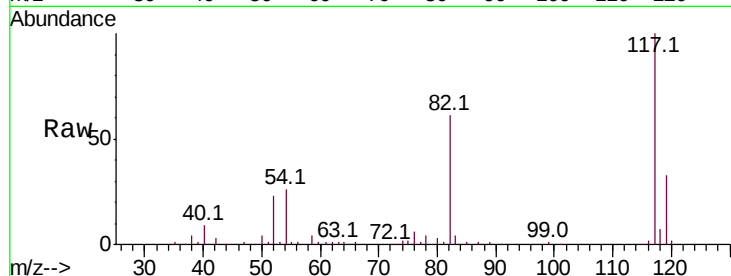




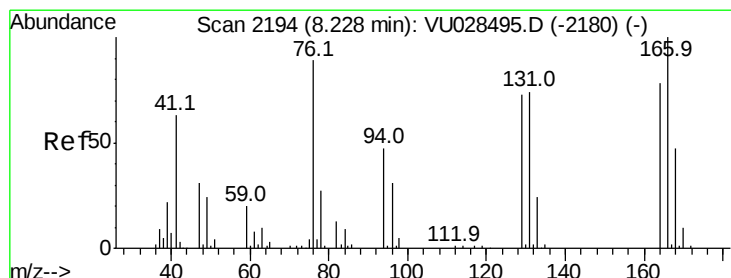
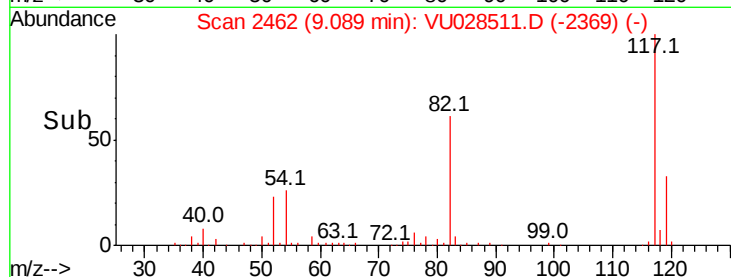
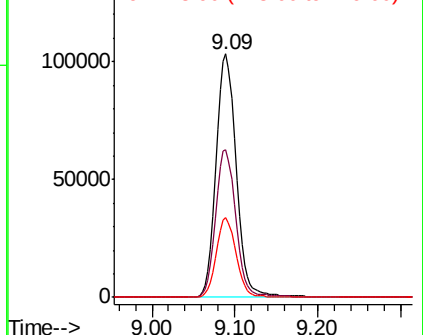
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028511.D
Acq: 06 Dec 2018 19:18

Instrument :
MSVOA_U
ClientSampleId :
CPA-CPMW07S-M16W4-11-29-18

Tot Ion:117 Resp: 174542
Ion Ratio Lower Upper
117 100
82 60.9 48.9 73.3
119 32.8 26.2 39.4

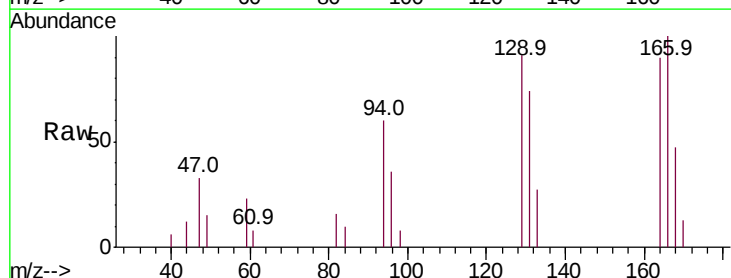


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

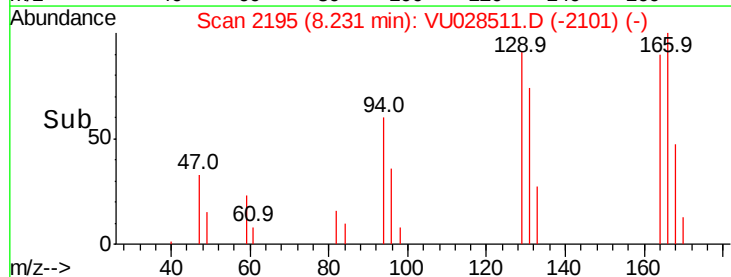
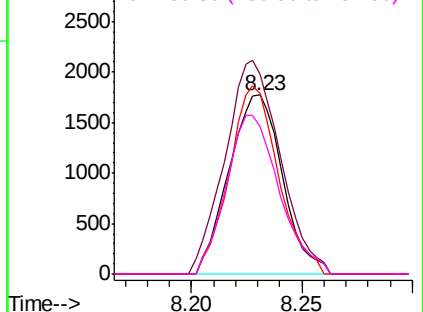


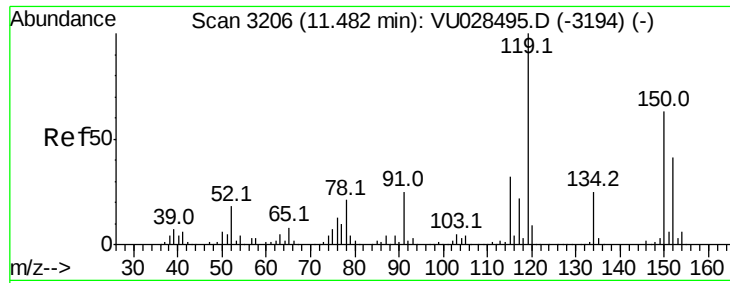
#64
Tetrachloroethene
Concen: 2.565 ug/l
RT: 8.23 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VU028511.D
Acq: 06 Dec 2018 19:18

Tgt Ion:164 Resp: 2986
Ion Ratio Lower Upper
164 100
166 111.6 101.9 152.9
129 101.0 74.9 112.3
131 82.4 75.4 113.0



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028511.D

Acq: 06 Dec 2018 19:18

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW07S-M16W4-11-29-18

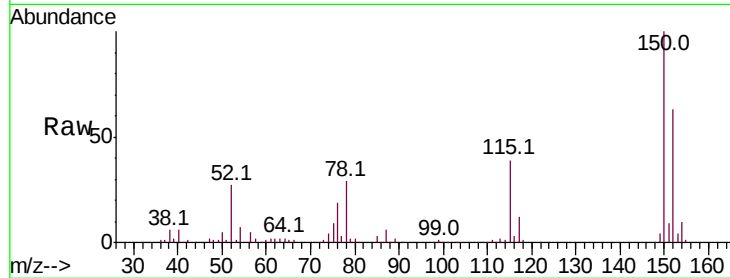
Tot Ion:152 Resp: 81582

Ion Ratio Lower Upper

152 100

115 61.5 42.7 128.1

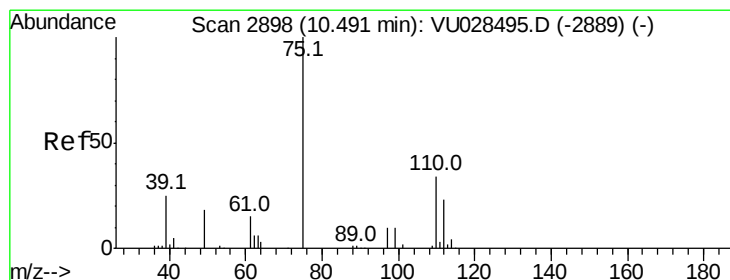
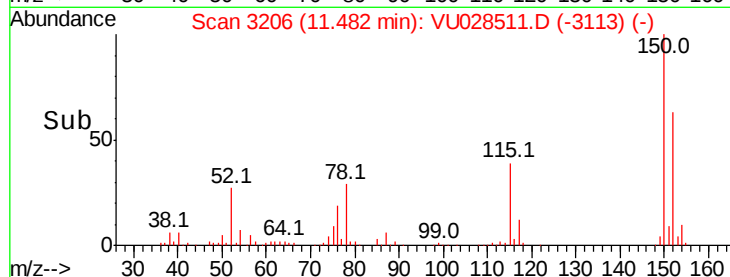
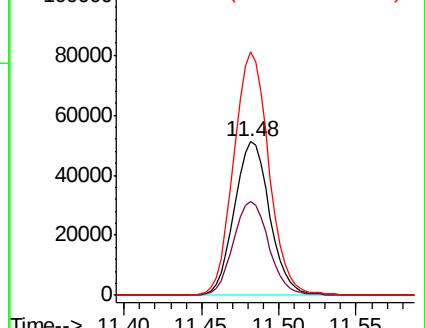
150 157.2 0.0 346.0



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: 22.549 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028511.D

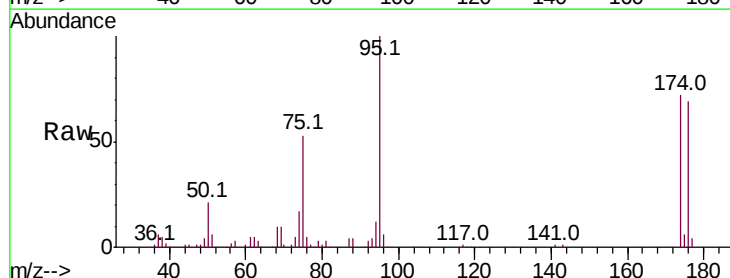
Acq: 06 Dec 2018 19:18

Tgt Ion: 75 Resp: 46974

Ion Ratio Lower Upper

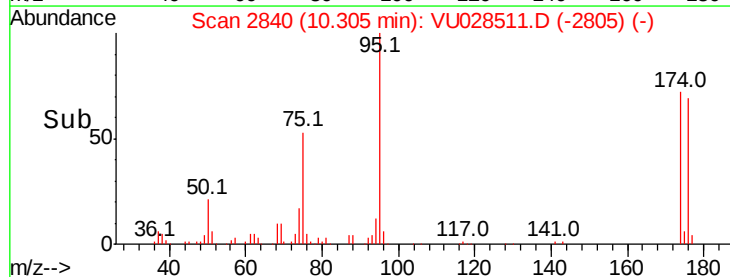
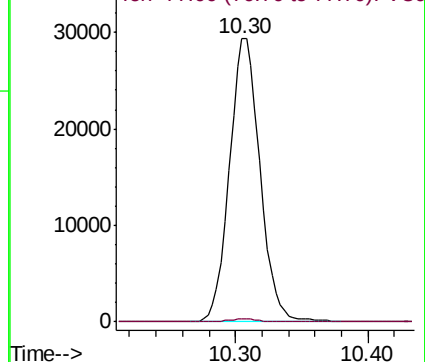
75 100

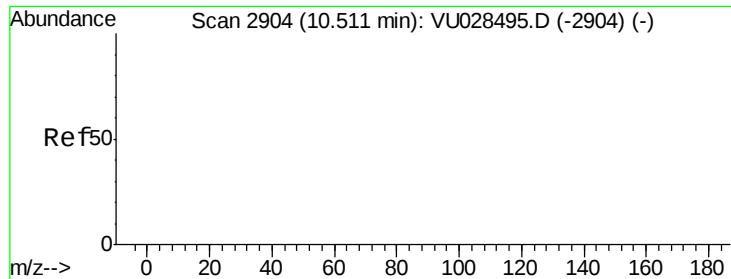
77 1.0 20.8 62.4#



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: 55.383 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU028511.D

Acq: 06 Dec 2018 19:18

Instrument :

MSVOA_U

ClientSampleId :

CPA-CPMW07S-M16W4-11-29-18

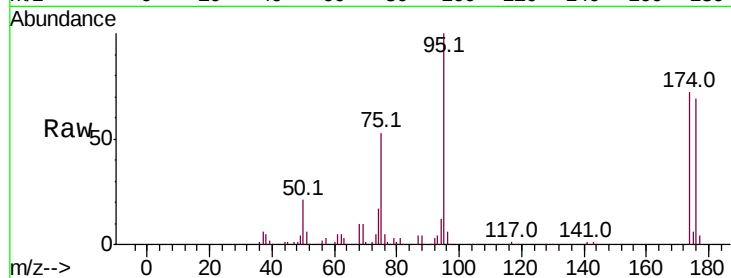
Tot Ion: 75 Resp: 46974

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

