

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120618\
 Data File : VU028506.D
 Acq On : 06 Dec 2018 17:22
 Operator : MD/SY
 Sample : J6252-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

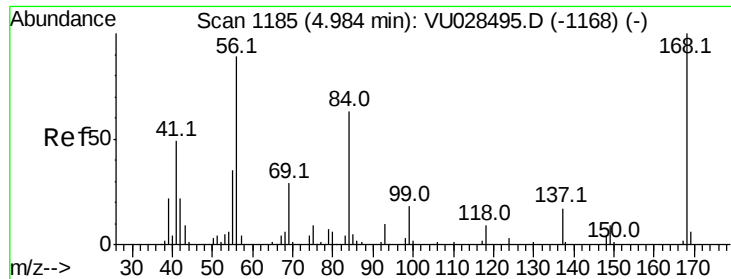
Quant Time: Dec 07 06:16:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	107232	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	202289	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	192158	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	89155	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	91074	55.65	ug/l	0.00
Spiked Amount			Recovery	=	111.30%	
35) Dibromofluoromethane	4.88	113	66969	52.61	ug/l	0.00
Spiked Amount			Recovery	=	105.22%	
50) Toluene-d8	7.57	98	265502	52.72	ug/l	0.00
Spiked Amount			Recovery	=	105.44%	
62) 4-Bromofluorobenzene	10.31	95	95617	50.80	ug/l	0.00
Spiked Amount			Recovery	=	101.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.84	59	192	0.527	ug/l #	73
14) Allyl chloride	2.44	41	1187	0.420	ug/l #	60
16) Acetone	2.32	43	1157	1.083	ug/l	95
18) Methyl Acetate	2.44	43	3058	1.105	ug/l #	56
31) Cyclohexane	4.99	56	2479	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	9747	4.403	ug/l #	49
38) Carbon Tetrachloride	4.98	117	10603	5.943	ug/l #	15
51) 4-Methyl-2-Pentanone	7.57	43	1190	0.417	ug/l #	1
60) Dibromochloromethane	8.22	129	6017	4.052	ug/l #	10
64) Tetrachloroethene	8.23	164	5947	4.640	ug/l	97
76) 1,2,3-Trichloropropane	10.30	75	50122	22.016	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.30	75	50122	54.088	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.51	180	96	0.889	ug/l #	12

(#) = 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: VU028506.D

Acq: 06 Dec 2018 17:22

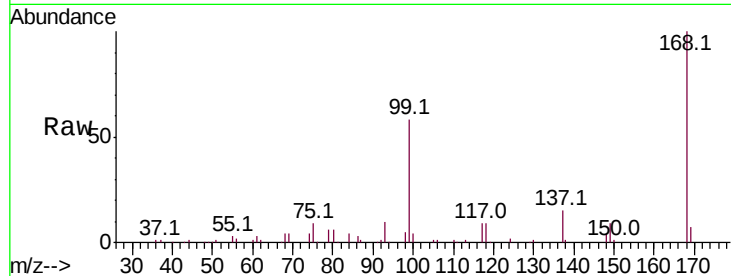
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 107232

Ion Ratio Lower Upper

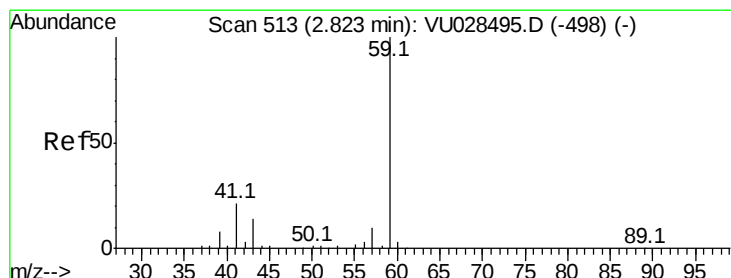
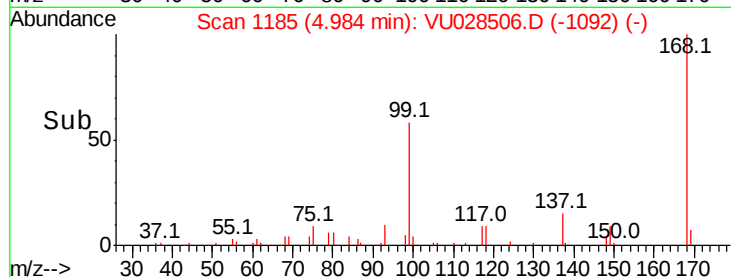
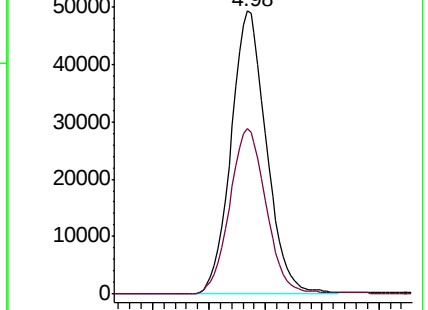
168 100

99 58.4 46.6 69.8



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

Ion 98.90 (98.60 to 99.60): VU028506.D (-1092) (-)



#11

Tert butyl alcohol

Concen: 0.527 ug/l

RT: 2.84 min Scan# 517

Delta R.T. 0.01 min

Lab File: VU028506.D

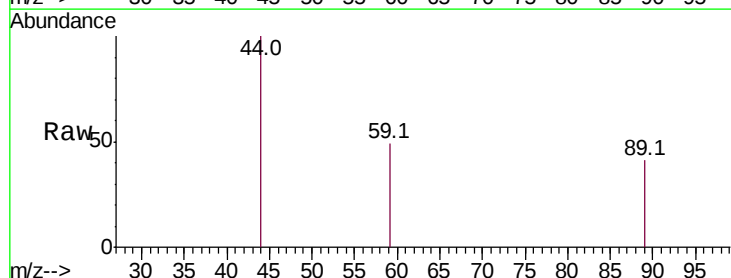
Acq: 06 Dec 2018 17:22

Tgt Ion: 59 Resp: 192

Ion Ratio Lower Upper

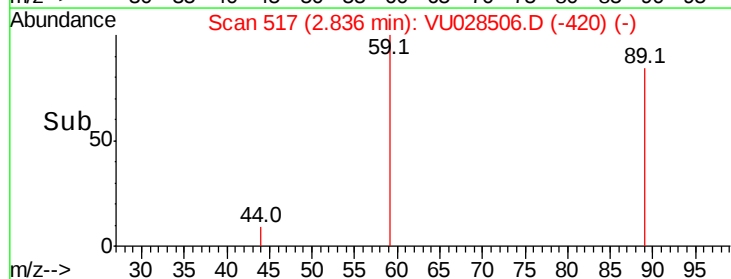
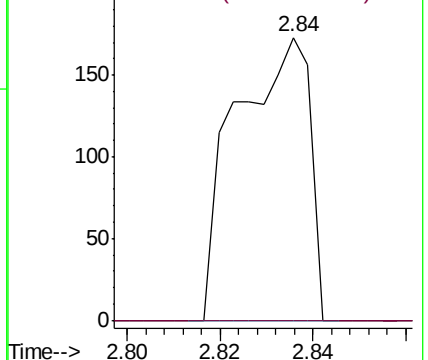
59 100

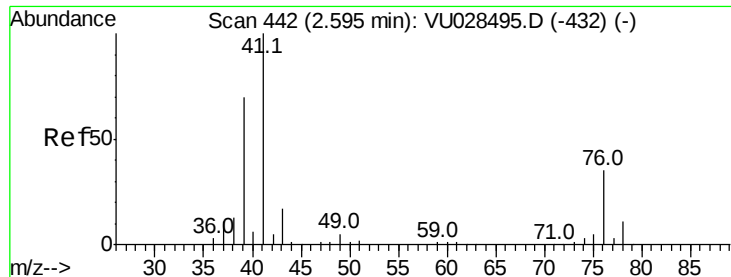
57 0.0 8.0 12.0#



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

Ion 57.00 (56.70 to 57.70): VU028506.D (-420) (-)





#14

Allvl chloride

Concen: 0.420 ug/l

RT: 2.44 min Scan# 395

Delta R.T. -0.15 min

Lab File: VU028506.D

Acq: 06 Dec 2018 17:22

Instrument :

MSVOA_U

ClientSampled :

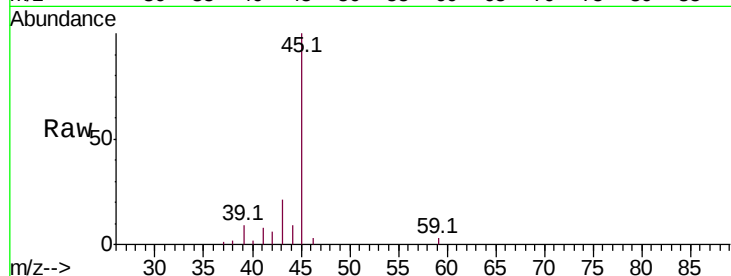
Tot Ion: 41 Resp: 1187

Ion Ratio Lower Upper

41 100

39 88.0 50.8 76.2#

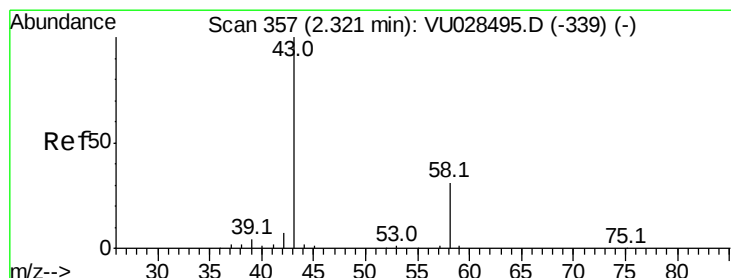
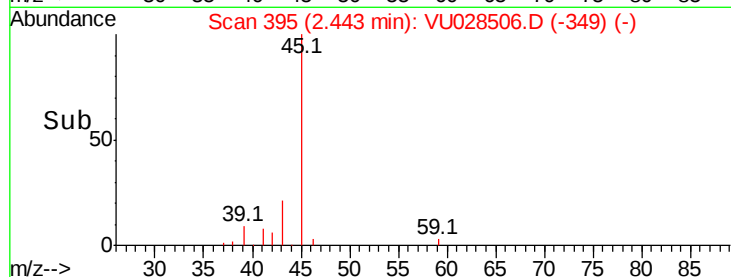
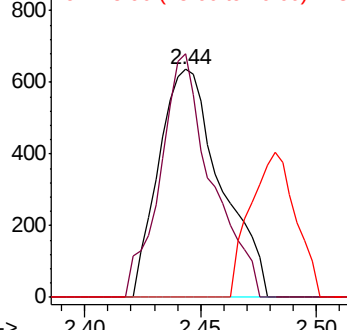
76 0.0 24.8 37.2#



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



#16

Acetone

Concen: 1.083 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028506.D

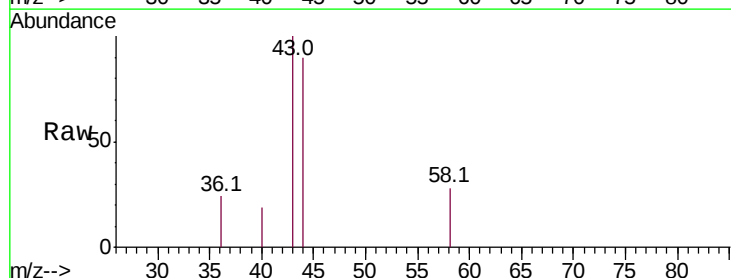
Acq: 06 Dec 2018 17:22

Tgt Ion: 43 Resp: 1157

Ion Ratio Lower Upper

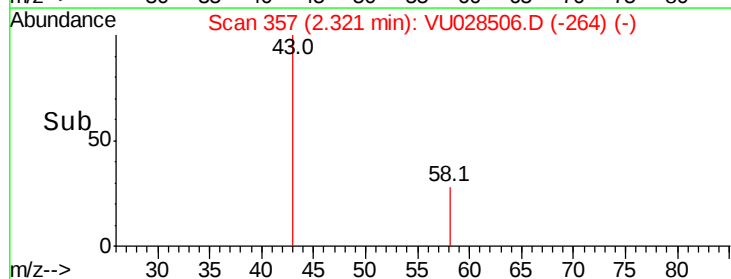
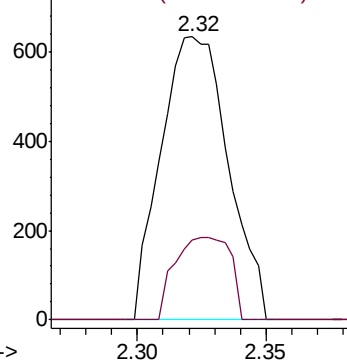
43 100

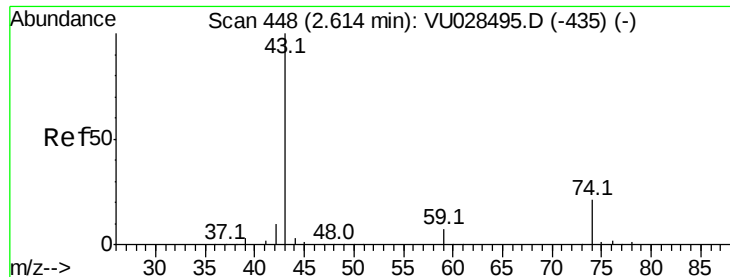
58 28.1 24.6 37.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

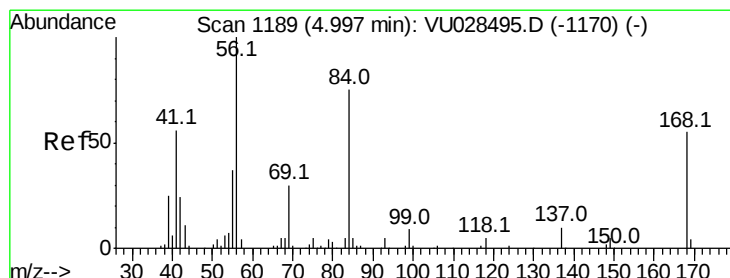
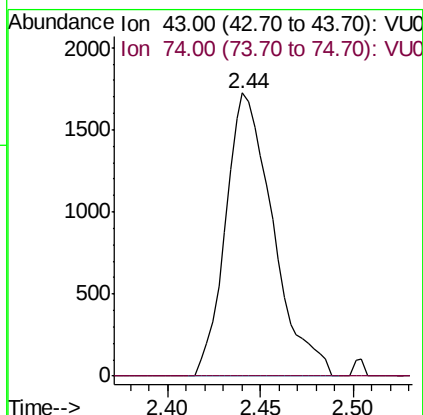
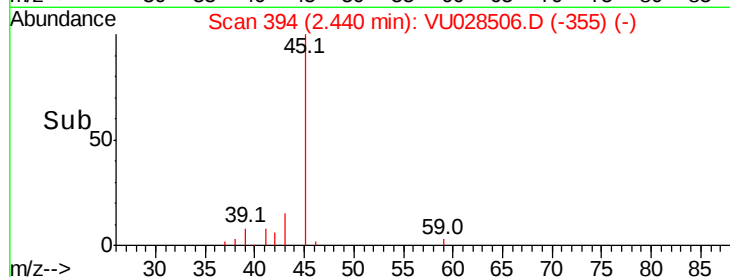
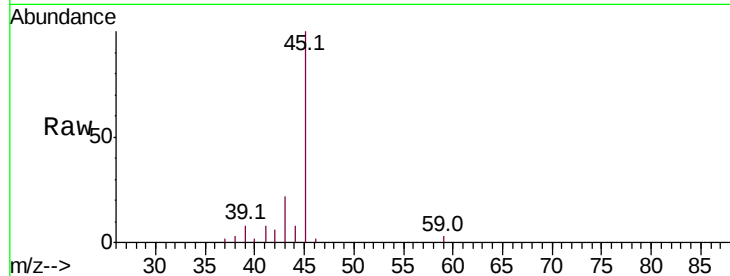




#18
Methvl Acetate
Concen: 1.105 ug/l
RT: 2.44 min Scan# 394
Delta R.T. -0.17 min
Lab File: VU028506.D
Acq: 06 Dec 2018 17:22

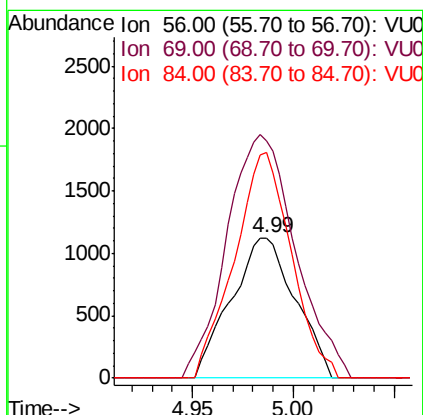
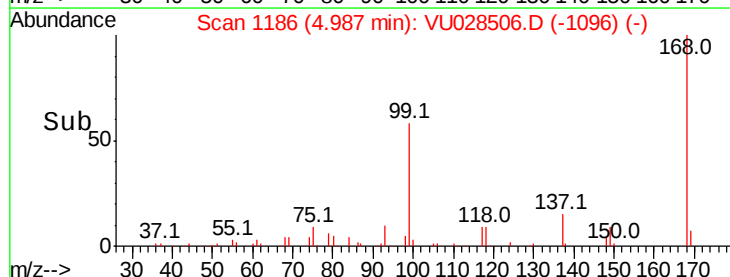
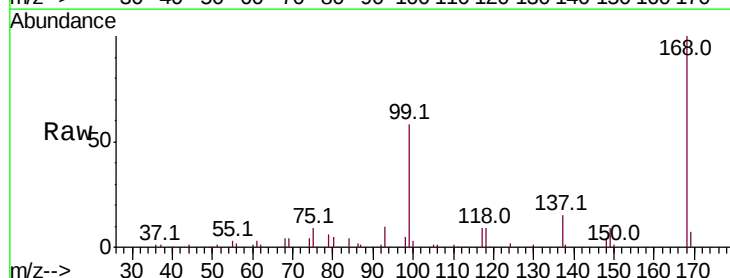
Instrument :
MSVOA_U
ClientSampleId :

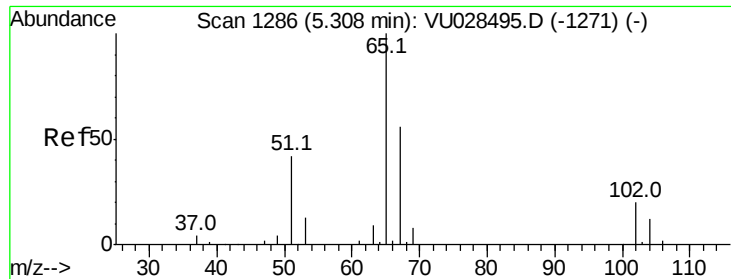
Tot Ion: 43 Resp: 3058
Ion Ratio Lower Upper
43 100
74 0.0 16.4 24.6#



#31
Cyclohexane
Concen: Below Cal
RT: 4.99 min Scan# 1186
Delta R.T. -0.01 min
Lab File: VU028506.D
Acq: 06 Dec 2018 17:22

Tgt Ion: 56 Resp: 2479
Ion Ratio Lower Upper
56 100
69 159.4 24.0 36.0#
84 160.9 59.7 89.5#

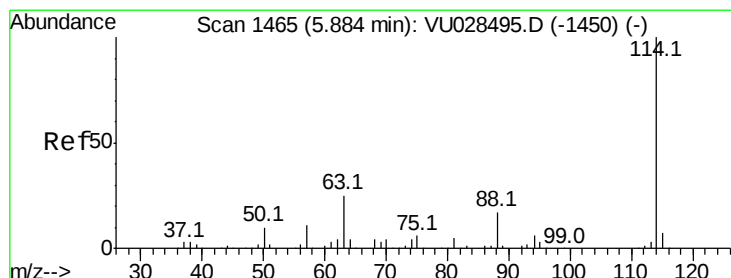
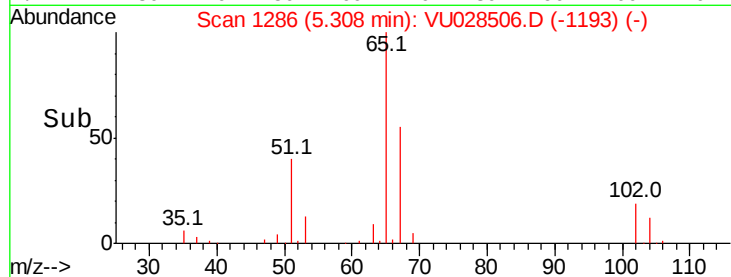
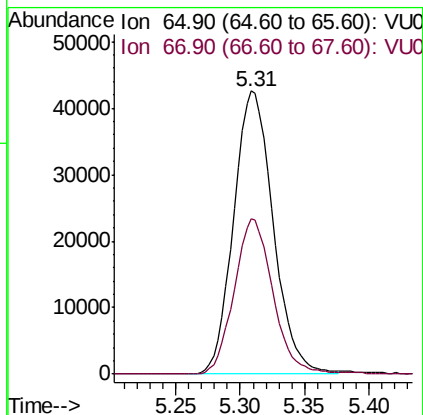
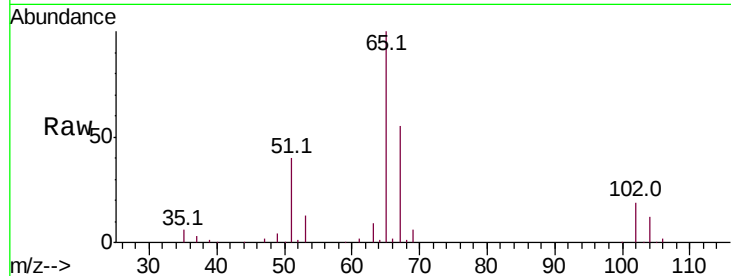




#33
 1,2-Dichloroethane-d4
 Concen: 55.654 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028506.D
 Acq: 06 Dec 2018 17:22

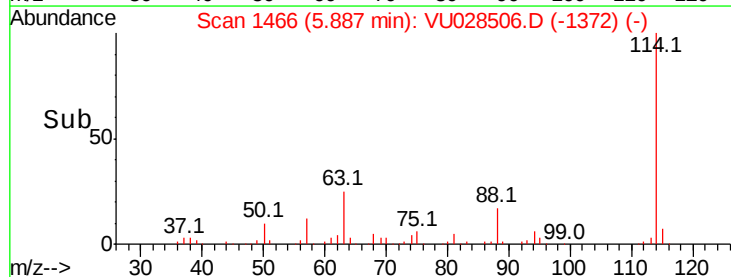
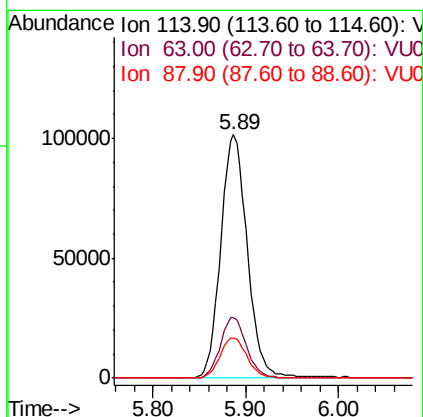
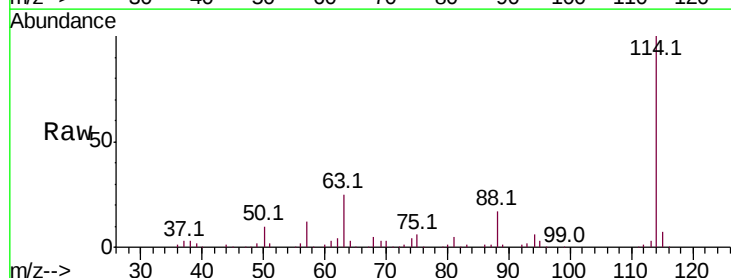
Instrument :
 MSVOA_U
 ClientSampleId :

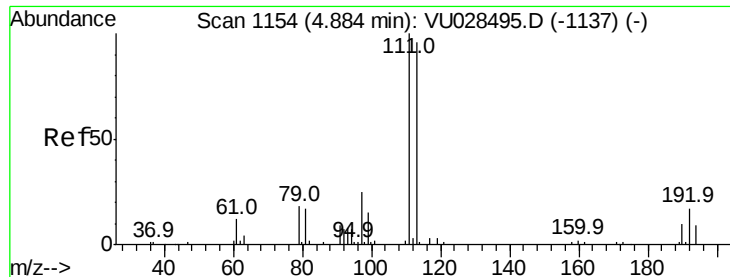
Tot Ion: 65 Resp: 91074
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028506.D
 Acq: 06 Dec 2018 17:22

Tgt Ion: 114 Resp: 202289
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 49.2
 88 16.7 0.0 33.4





#35

Dibromofluoromethane

Concen: 52.606 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VU028506.D

Acq: 06 Dec 2018 17:22

Instrument :
MSVOA_U
ClientSampleId :

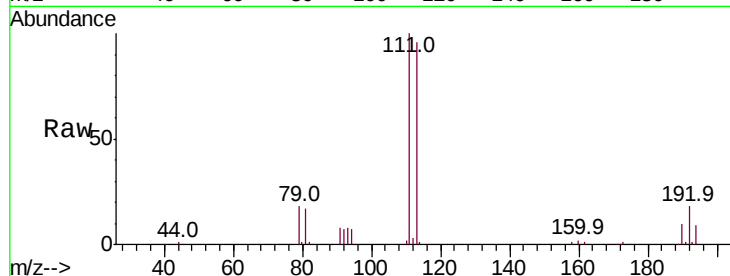
Tot Ion:113 Resp: 66969

Ion Ratio Lower Upper

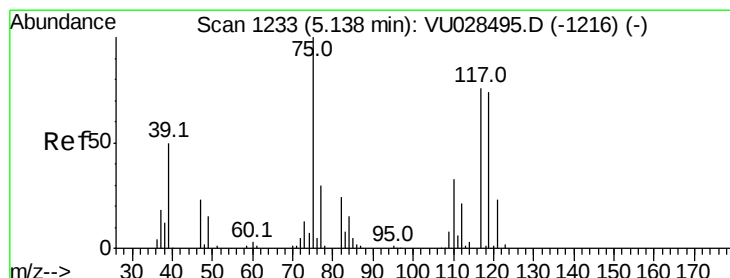
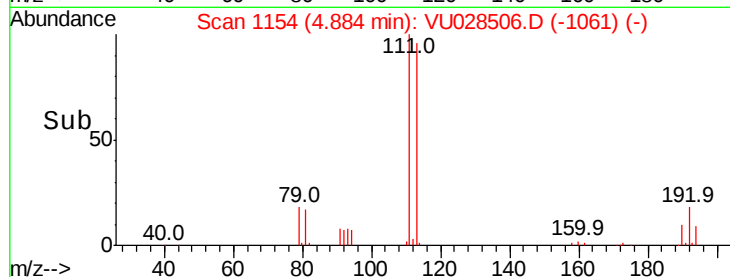
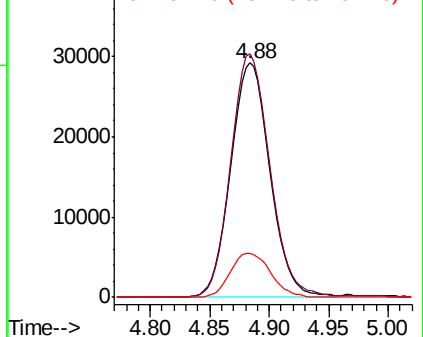
113 100

111 103.5 83.4 125.0

192 19.2 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: 4.403 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028506.D

Acq: 06 Dec 2018 17:22

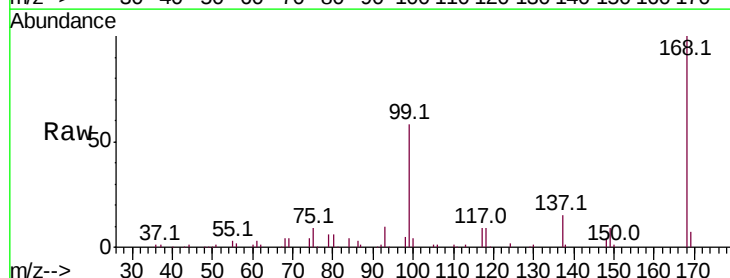
Tgt Ion: 75 Resp: 9747

Ion Ratio Lower Upper

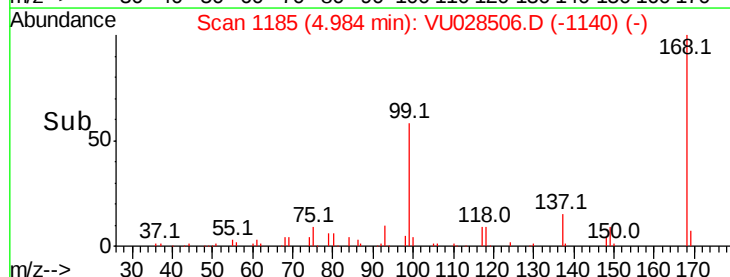
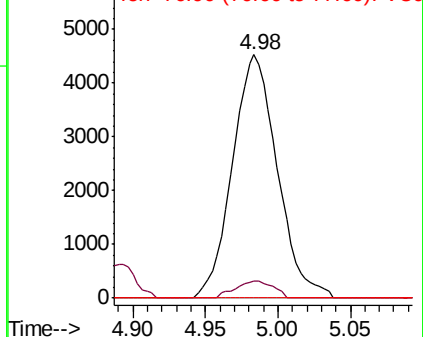
75 100

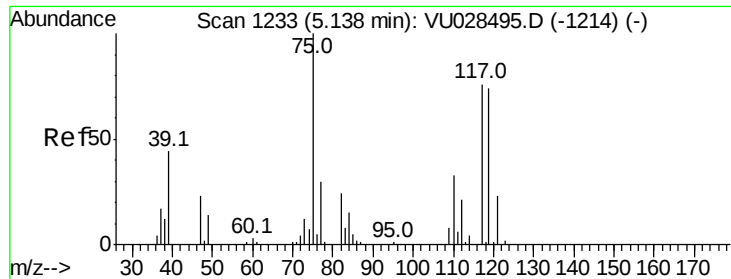
110 6.0 16.1 48.2#

77 0.0 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VU0





#38

Carbon Tetrachloride

Concen: 5.943 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028506.D

Acq: 06 Dec 2018 17:22

Instrument :

MSVOA_U

ClientSampled :

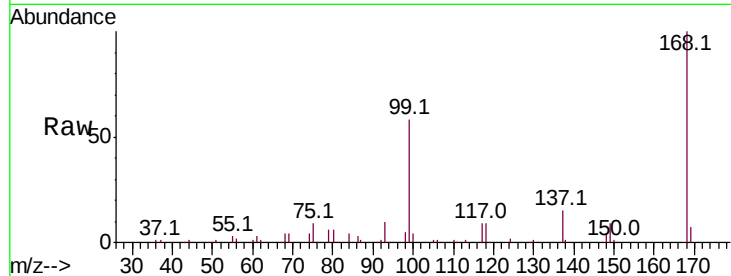
Tot Ion:117 Resp: 10603

Ion Ratio Lower Upper

117 100

119 3.8 77.6 116.4#

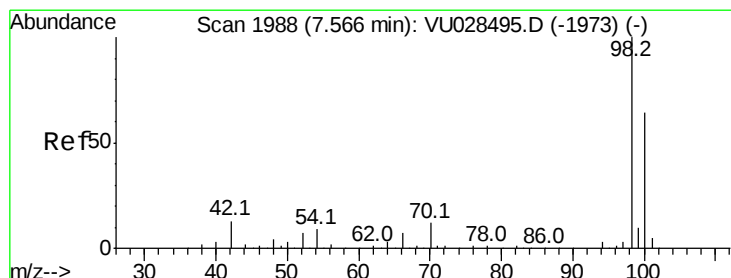
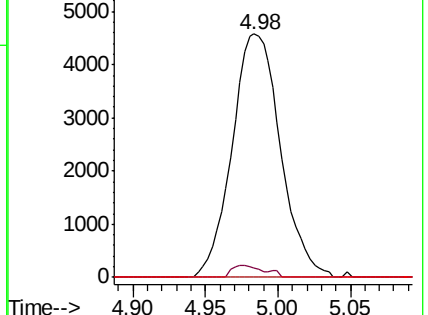
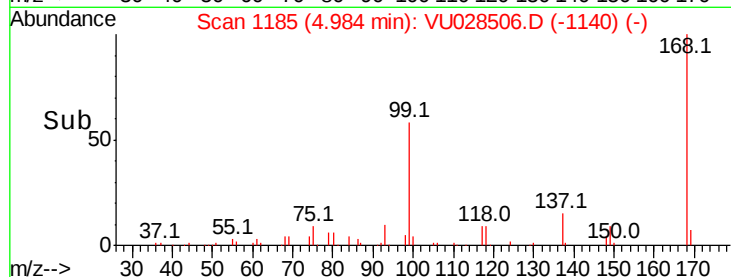
121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 52.723 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028506.D

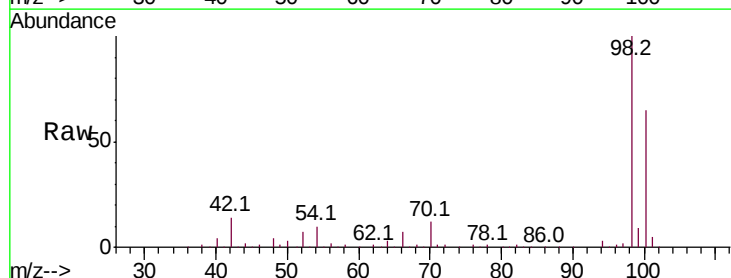
Acq: 06 Dec 2018 17:22

Tgt Ion: 98 Resp: 265502

Ion Ratio Lower Upper

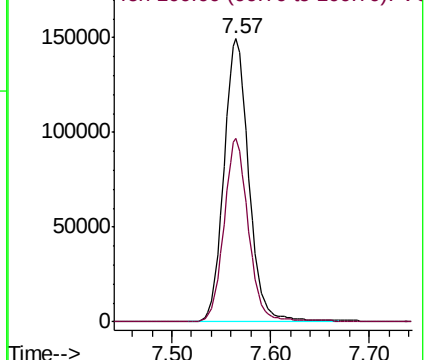
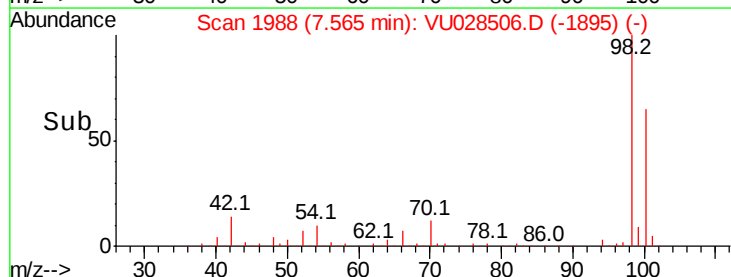
98 100

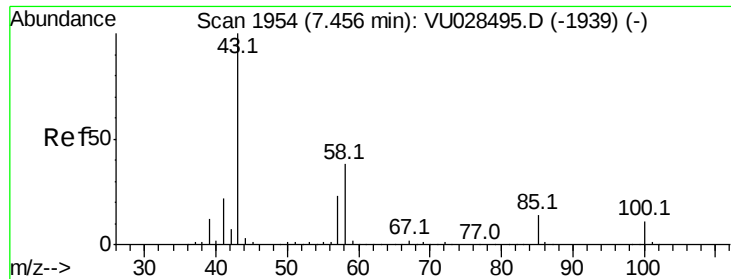
100 63.4 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#51

4-Methyl-2-Pentanone

Concen: 0.417 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.11 min

Lab File: VU028506.D

Acq: 06 Dec 2018 17:22

Instrument :

MSVOA_U

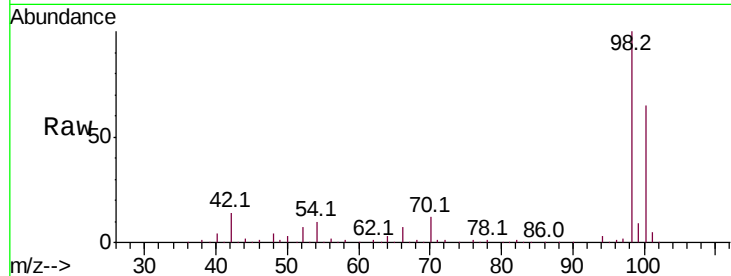
ClientSampled :

Tot Ion: 43 Resp: 1190

Ion Ratio Lower Upper

43 100

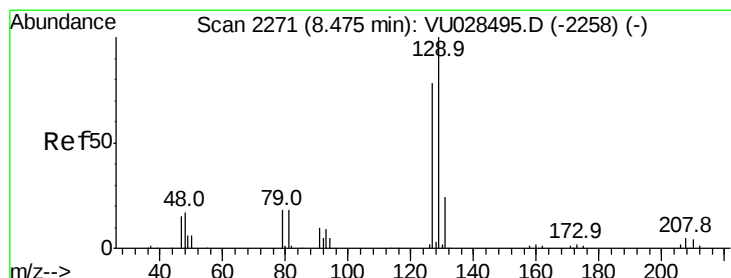
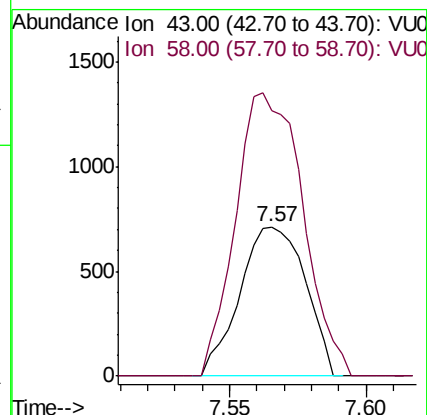
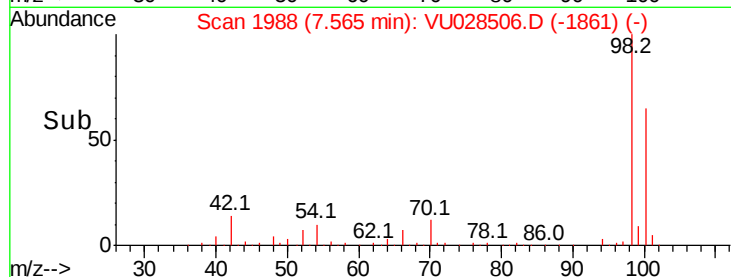
58 194.1 30.2 45.2#



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



#60

Dibromochloromethane

Concen: 4.052 ug/l

RT: 8.22 min Scan# 2193

Delta R.T. -0.25 min

Lab File: VU028506.D

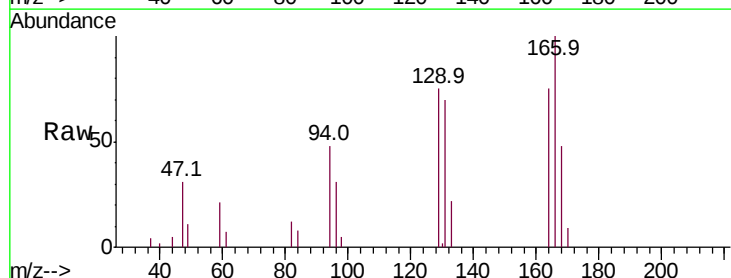
Acq: 06 Dec 2018 17:22

Tgt Ion: 129 Resp: 6017

Ion Ratio Lower Upper

129 100

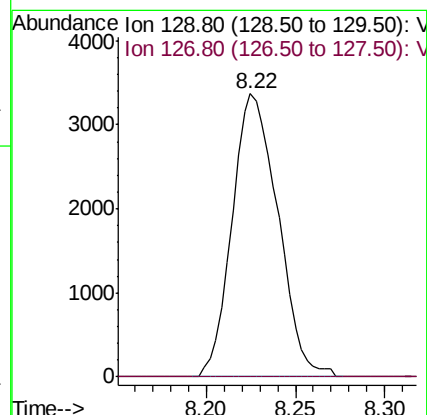
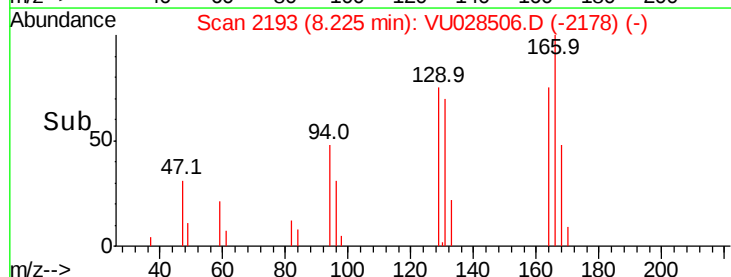
127 0.0 39.1 117.3#

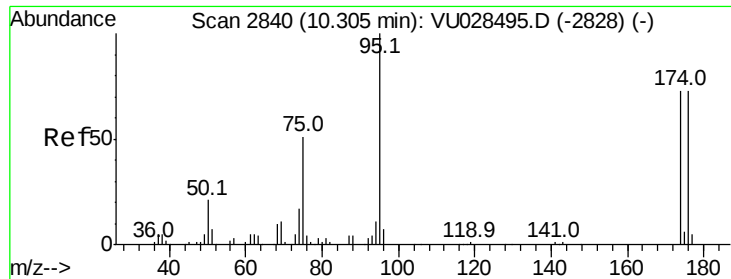


Abundance Ion 128.80 (128.50 to 129.50): VU028495.D (-2258) (-)

Ion 126.80 (126.50 to 127.50): VU028495.D (-2258) (-)

8.22

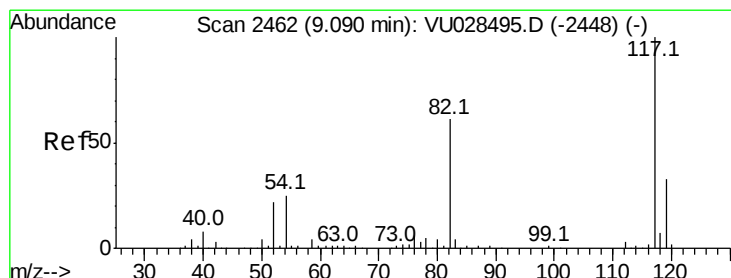
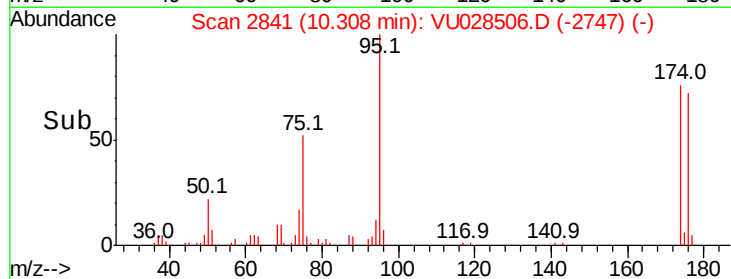
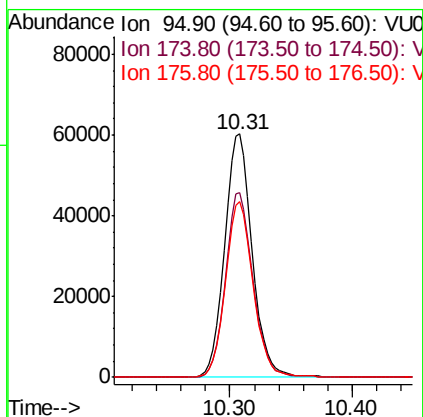
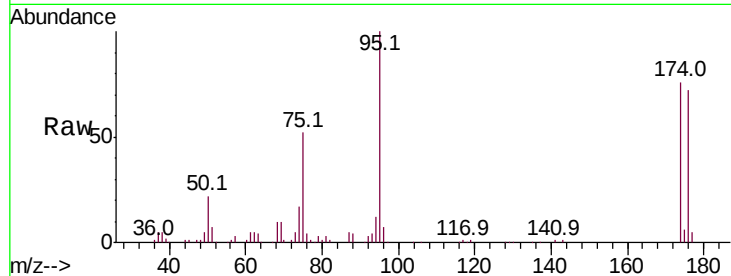




#62
4-Bromofluorobenzene
Concen: 50.800 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VU028506.D
Acq: 06 Dec 2018 17:22

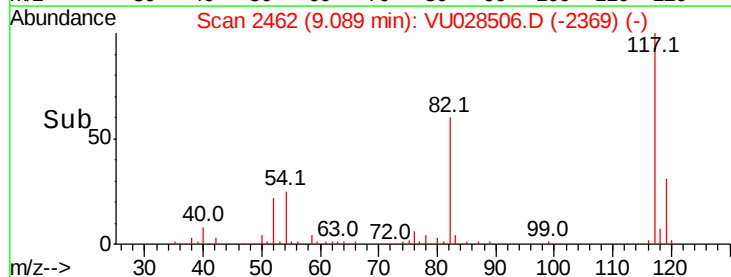
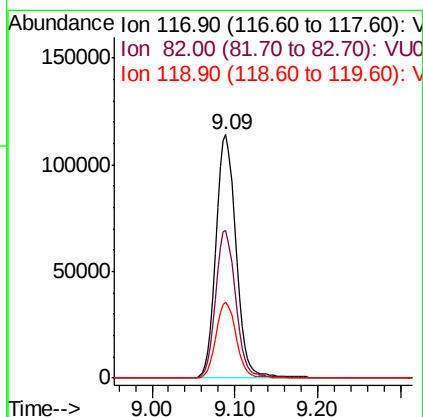
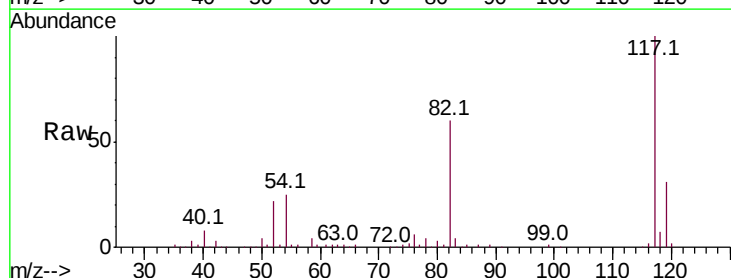
Instrument :
MSVOA_U
ClientSampleId :

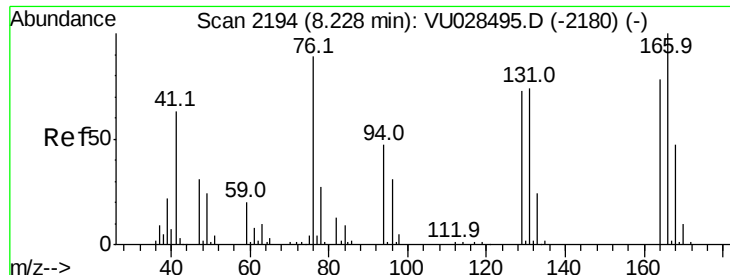
Tot Ion	95	Resp	95617
Ion Ratio	100	Lower	Upper
174	75.8	0.0	150.4
176	72.6	0.0	145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU028506.D
Acq: 06 Dec 2018 17:22

Tgt Ion	117	Resp	192158
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
82	60.4	48.9	73.3
119	31.2	26.2	39.4





#64

Tetrachloroethene

Concen: 4.640 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VU028506.D

Acq: 06 Dec 2018 17:22

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 5947

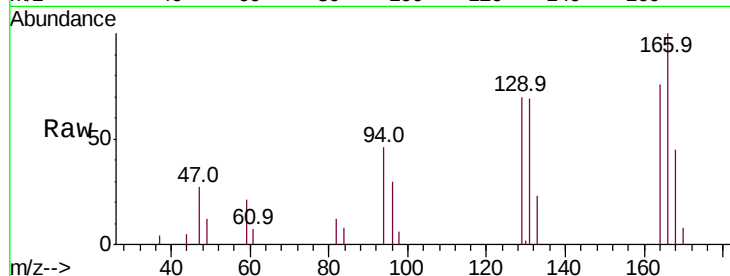
Ion Ratio Lower Upper

164 100

166 131.3 101.9 152.9

129 91.7 74.9 112.3

131 91.2 75.4 113.0

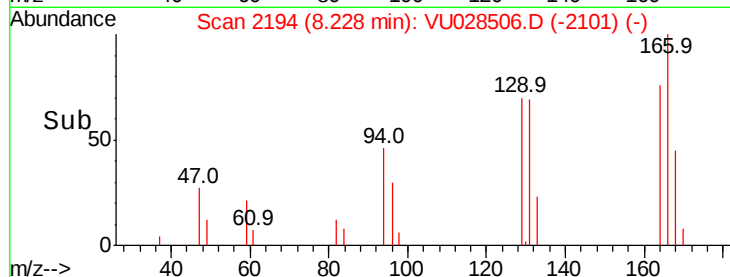


Abundance Ion 163.80 (163.50 to 164.50): V

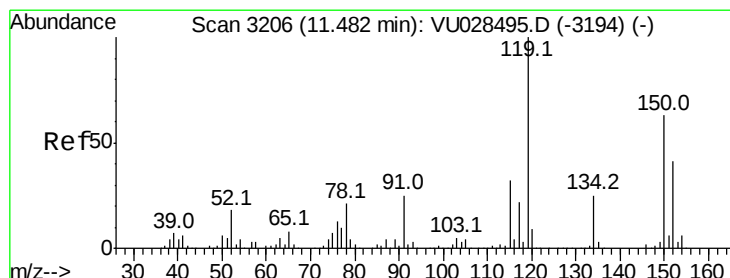
Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. -0.00 min

Lab File: VU028506.D

Acq: 06 Dec 2018 17:22

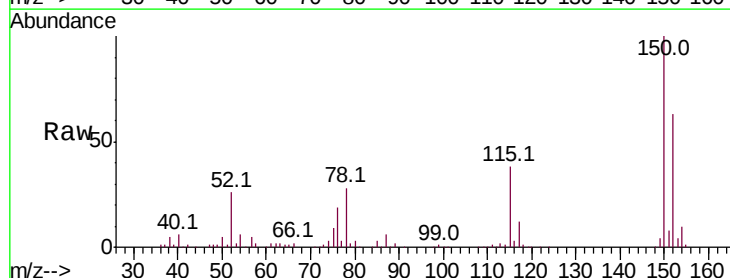
Tgt Ion:152 Resp: 89155

Ion Ratio Lower Upper

152 100

115 61.5 42.7 128.1

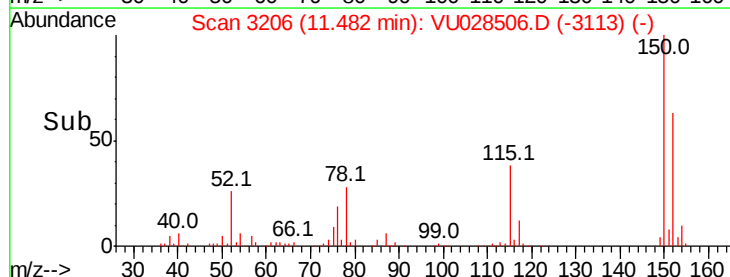
150 159.4 0.0 346.0



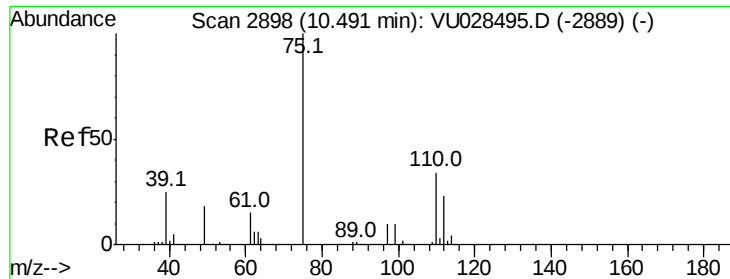
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



Time-->



#76

1,2,3-Trichloropropane

Concen: 22.016 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028506.D

Acq: 06 Dec 2018 17:22

Instrument :

MSVOA_U

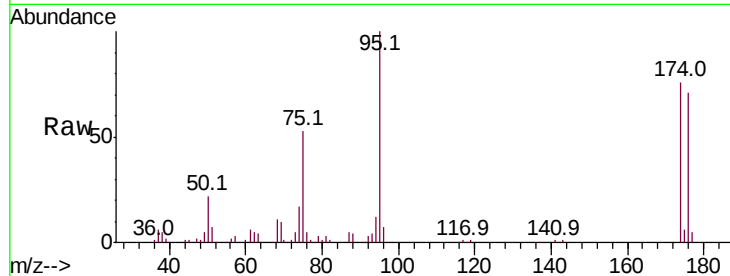
ClientSampleId :

Tot Ion: 75 Resp: 50122

Ion Ratio Lower Upper

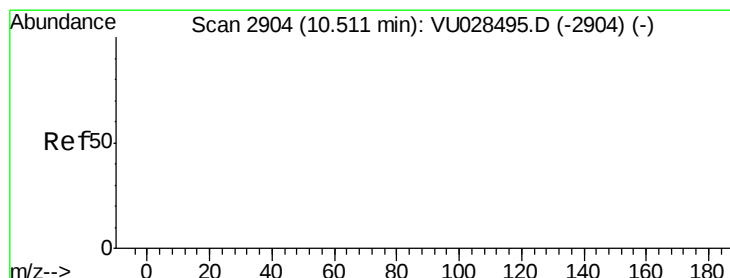
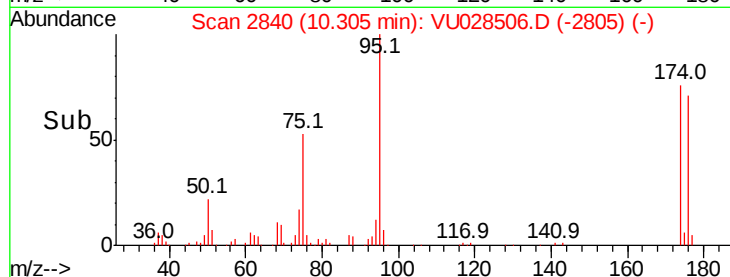
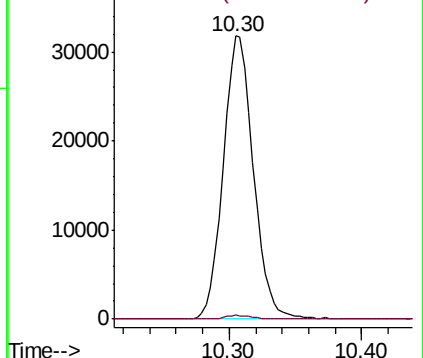
75 100

77 1.2 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: 54.088 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU028506.D

Acq: 06 Dec 2018 17:22

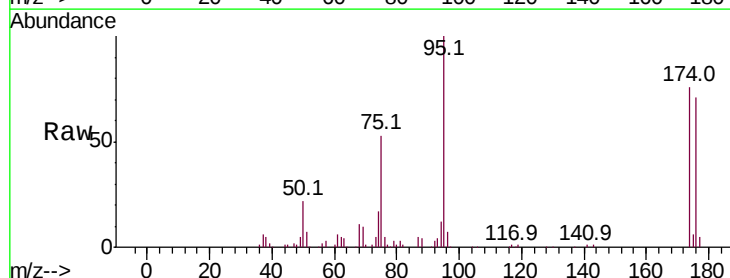
Tgt Ion: 75 Resp: 50122

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

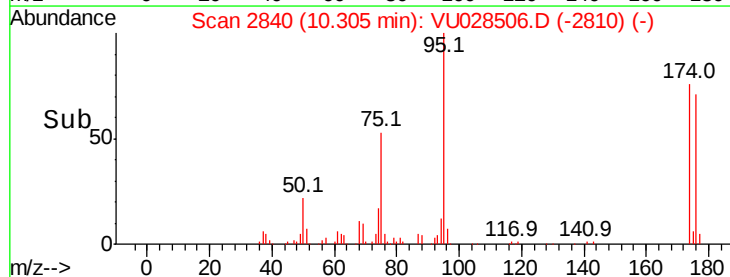
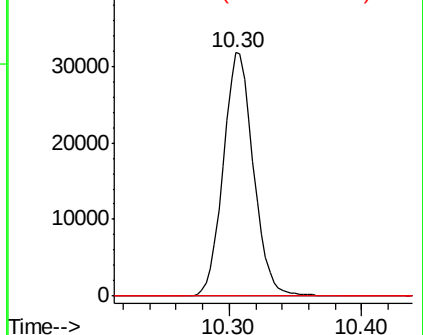
89 0.0 0.0 0.0

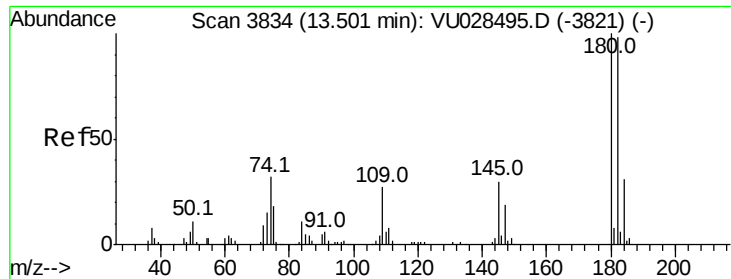


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#93

1,2,4-Trichlorobenzene

Concen: 0.889 ug/l

RT: 13.51 min Scan# 3837

Delta R.T. 0.01 min

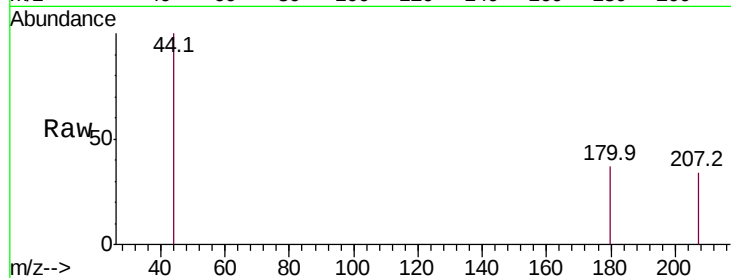
Lab File: VU028506.D

Acq: 06 Dec 2018 17:22

Instrument :

MSVOA_U

ClientSampleId :



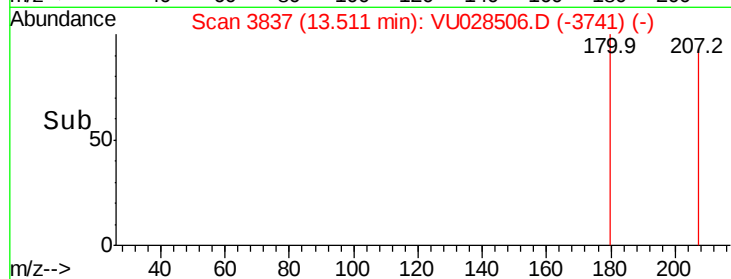
Tot Ion:180 Resp: 96

Ion Ratio Lower Upper

180 100

182 0.0 47.9 143.8#

145 0.0 15.0 45.1#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

