

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120618\
 Data File : VU028507.D
 Acq On : 06 Dec 2018 17:45
 Operator : MD/SY
 Sample : J6252-05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 07 06:16:25 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	99303	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	191000	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	181274	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	82376	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	85671	56.53	ug/l	0.00
Spiked Amount	50.000			Recovery	=	113.06%	
35) Dibromofluoromethane		4.88	113	62947	52.37	ug/l	0.00
Spiked Amount	50.000			Recovery	=	104.74%	
50) Toluene-d8		7.57	98	250968	52.78	ug/l	0.00
Spiked Amount	50.000			Recovery	=	105.56%	
62) 4-Bromofluorobenzene		10.31	95	90167	50.74	ug/l	0.00
Spiked Amount	50.000			Recovery	=	101.48%	

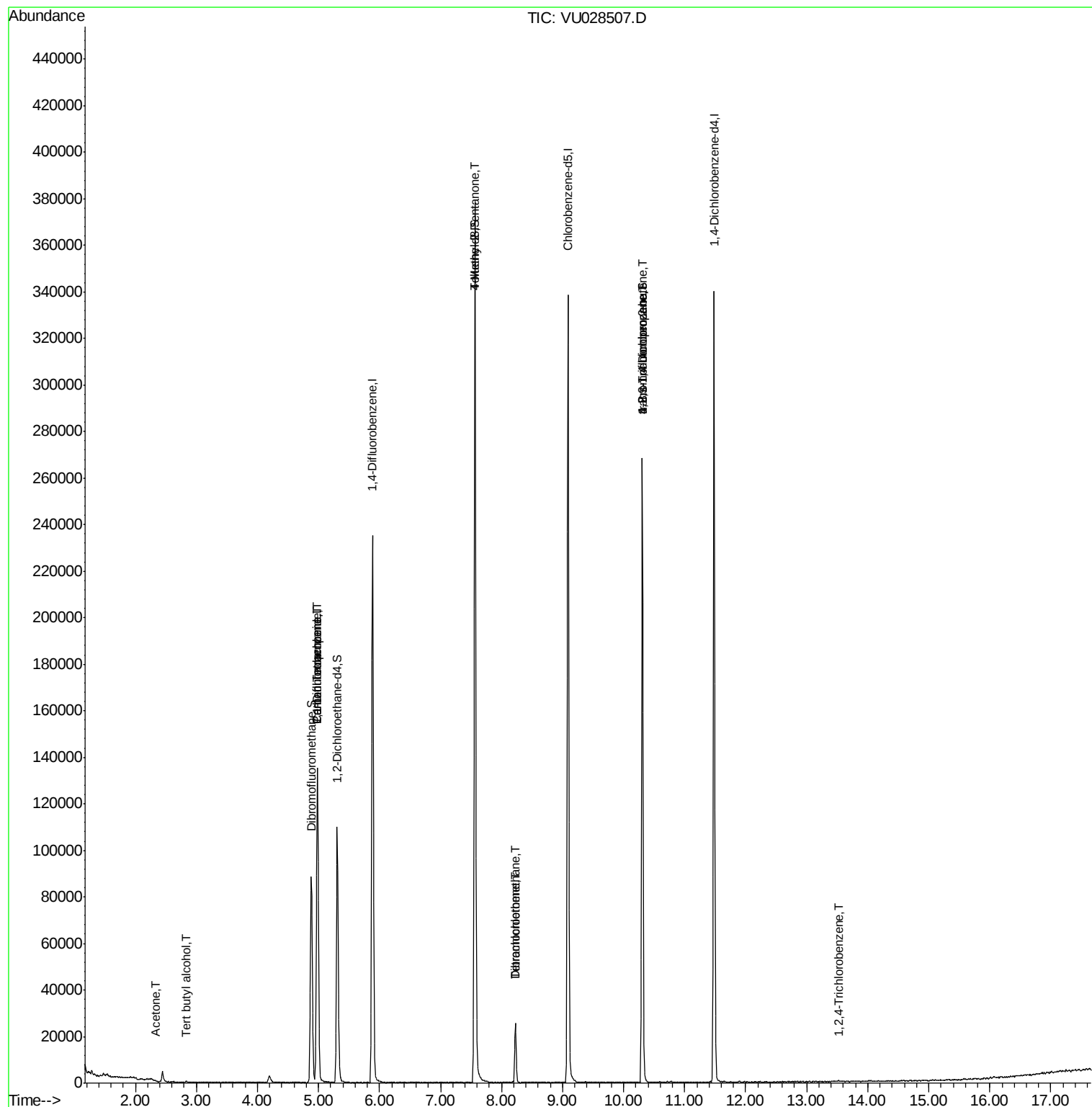
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	2.84	59	157	0.465	ug/l #	73
16) Acetone	2.32	43	486	0.491	ug/l #	44
31) Cyclohexane	4.99	56	2516	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	8926	4.271	ug/l #	51
38) Carbon Tetrachloride	4.98	117	10250	6.084	ug/l #	15
51) 4-Methyl-2-Pentanone	7.57	43	1189	0.441	ug/l #	1
60) Dibromochloromethane	8.22	129	5657	4.035	ug/l #	10
64) Tetrachloroethene	8.23	164	5644	4.668	ug/l	95
76) 1,2,3-Trichloropropane	10.30	75	46910	22.301	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.30	75	46910	54.780	ug/l #	100
93) 1,2,4-Trichlorobenzene	13.52	180	461	1.080	ug/l #	55

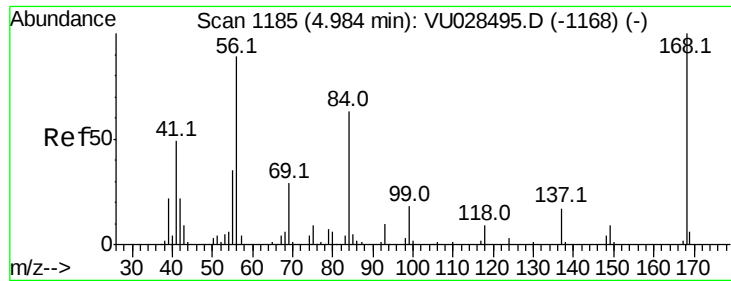
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU120618\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU028507.D

Acq: 06 Dec 2018 17:45

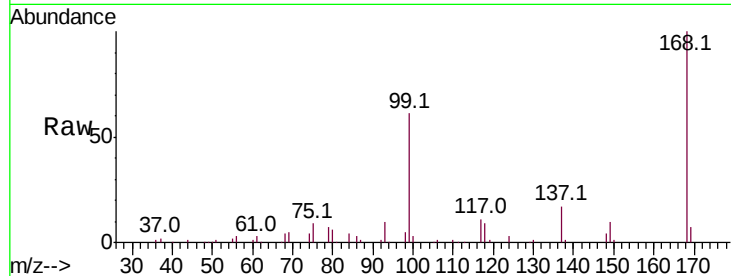
Instrument :
MSVOA_U
ClientSampled :

Tot Ion:168 Resp: 99303

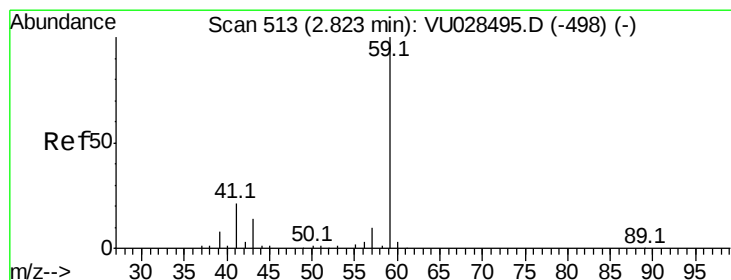
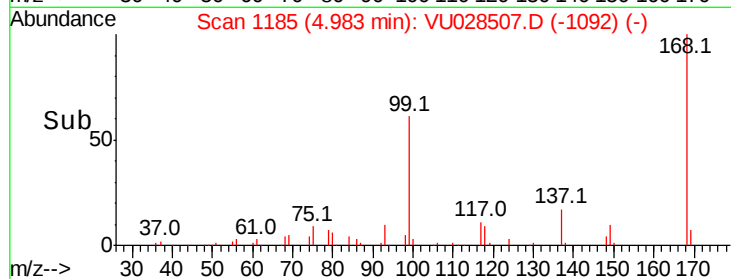
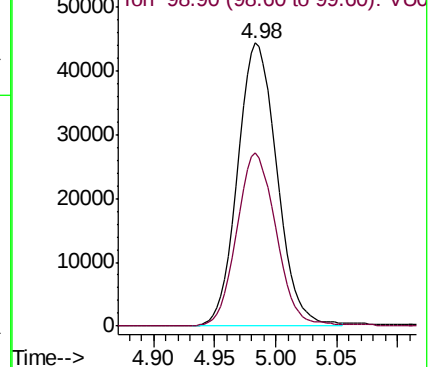
Ion Ratio Lower Upper

168 100

99 61.2 46.6 69.8



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



#11

Tert butyl alcohol

Concen: 0.465 ug/l

RT: 2.84 min Scan# 517

Delta R.T. 0.01 min

Lab File: VU028507.D

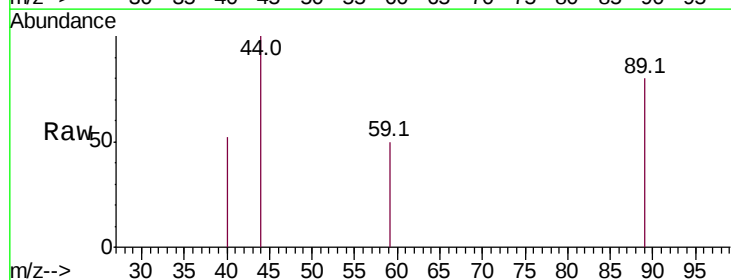
Acq: 06 Dec 2018 17:45

Tgt Ion: 59 Resp: 157

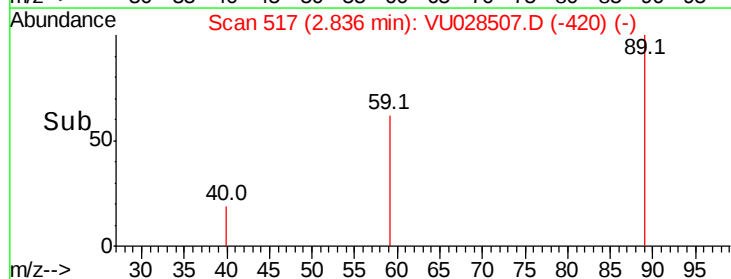
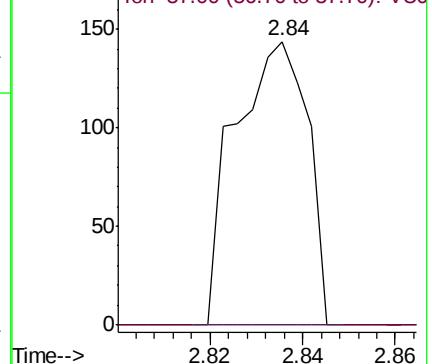
Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#



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





#16

Acetone

Concen: 0.491 ug/l

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028507.D

Acq: 06 Dec 2018 17:45

Instrument :

MSVOA_U

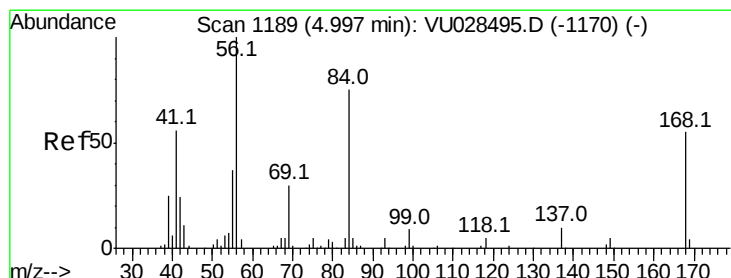
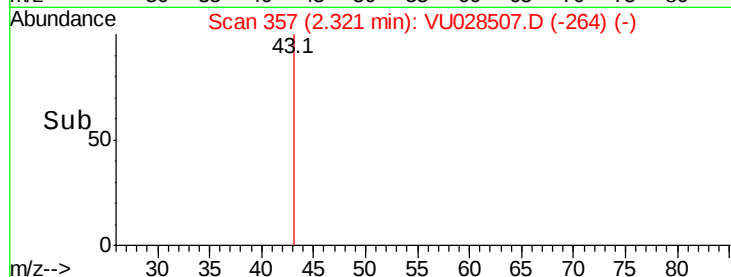
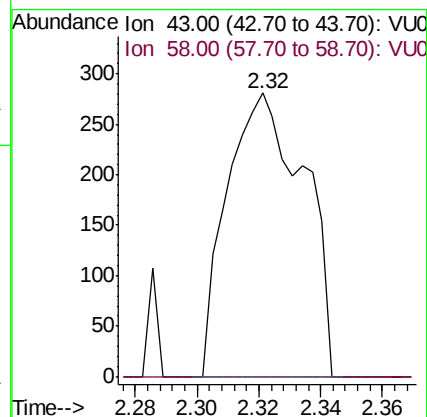
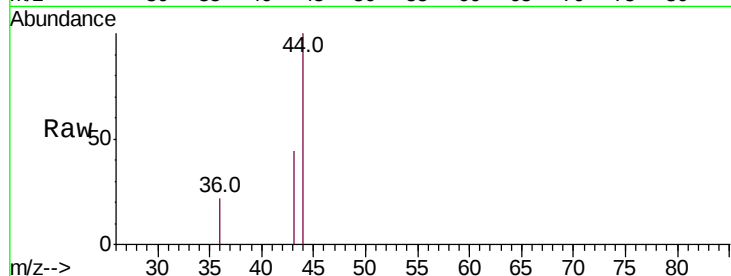
ClientSampleId :

Tot Ion: 43 Resp: 486

Ion Ratio Lower Upper

43 100

58 0.0 24.6 37.0#



#31

Cyclohexane

Concen: Below Cal

RT: 4.99 min Scan# 1186

Delta R.T. -0.01 min

Lab File: VU028507.D

Acq: 06 Dec 2018 17:45

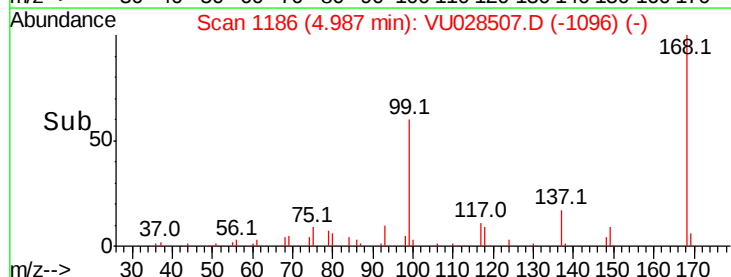
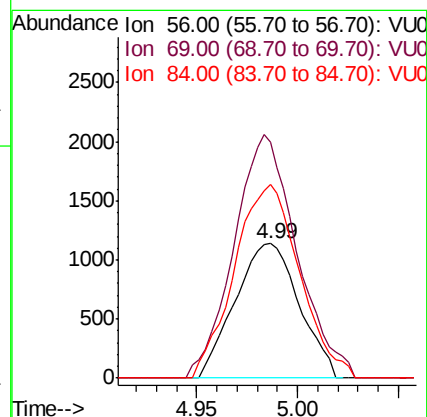
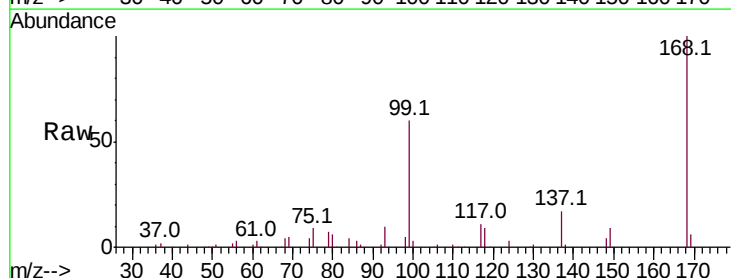
Tgt Ion: 56 Resp: 2516

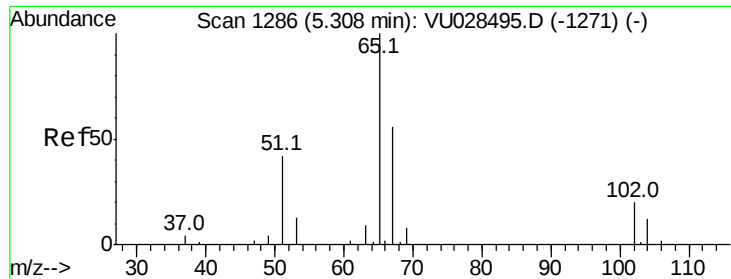
Ion Ratio Lower Upper

56 100

69 165.2 24.0 36.0#

84 143.5 59.7 89.5#

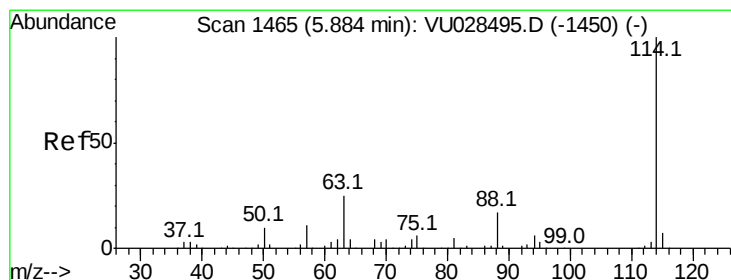
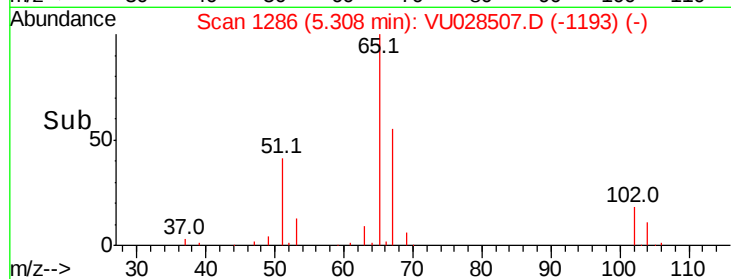
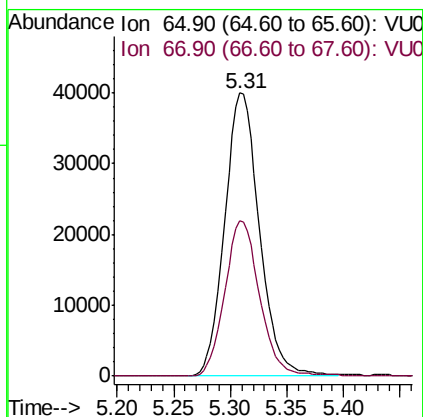
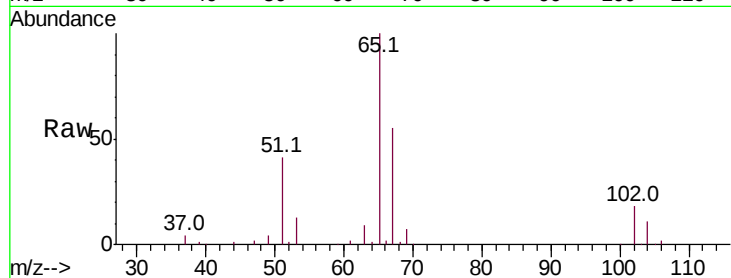




#33
 1,2-Dichloroethane-d4
 Concen: 56.533 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. -0.00 min
 Lab File: VU028507.D
 Acq: 06 Dec 2018 17:45

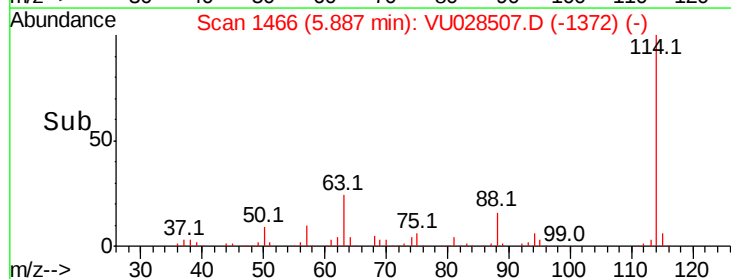
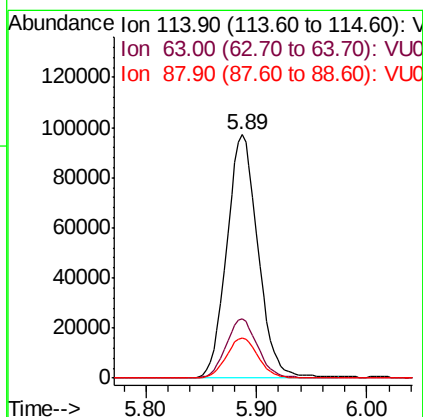
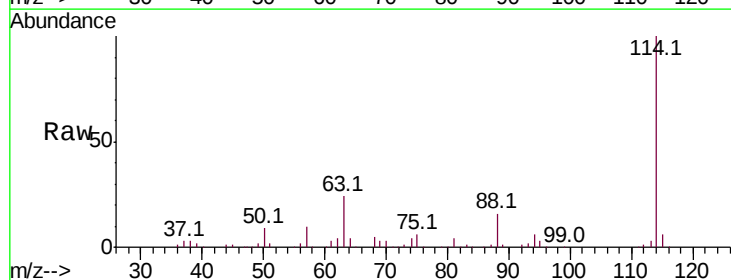
Instrument :
 MSVOA_U
 ClientSampled :

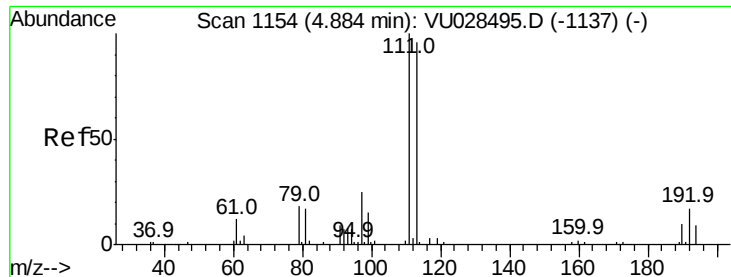
Tot Ion: 65 Resp: 85671
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028507.D
 Acq: 06 Dec 2018 17:45

Tgt Ion: 114 Resp: 191000
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 49.2
 88 16.3 0.0 33.4

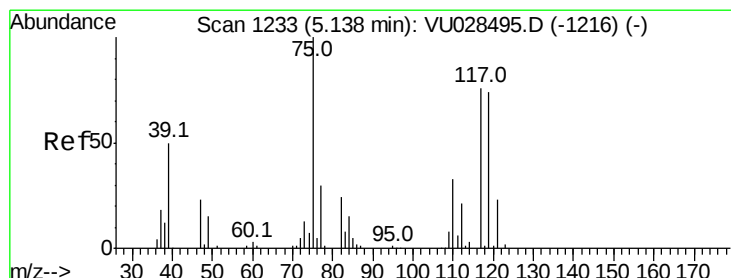
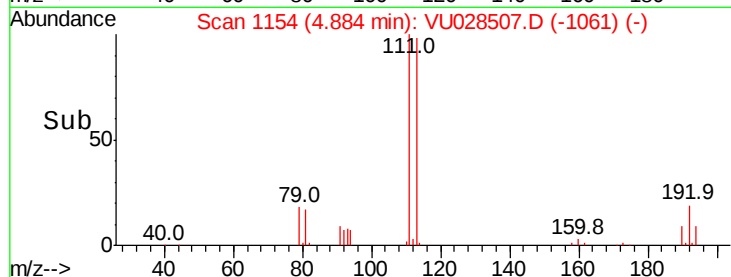
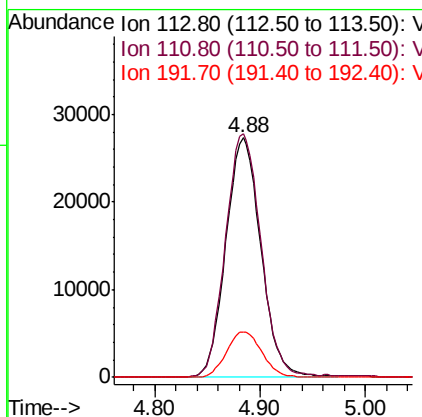
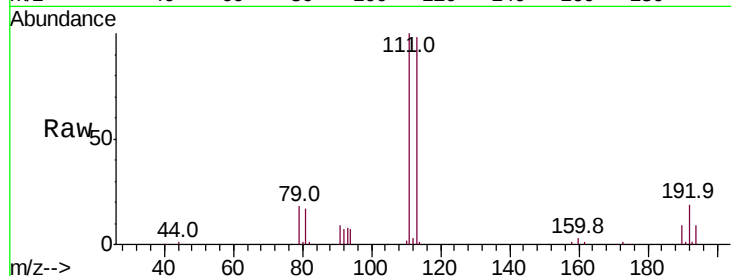




#35
 Dibromofluoromethane
 Concen: 52.370 ug/l
 RT: 4.88 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VU028507.D
 Acq: 06 Dec 2018 17:45

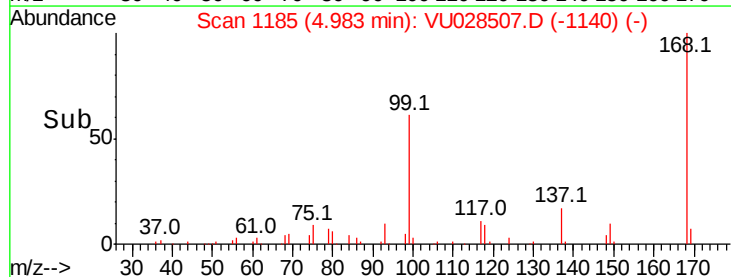
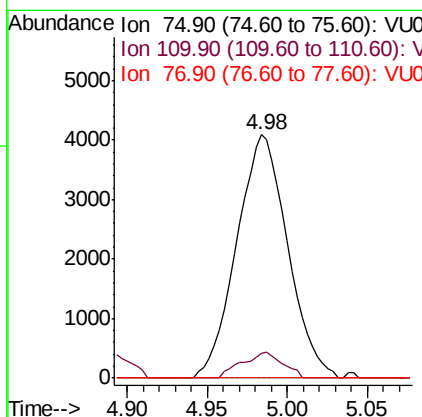
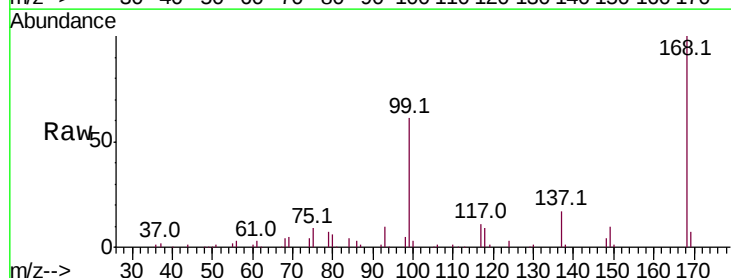
Instrument :
 MSVOA_U
 ClientSampleId :

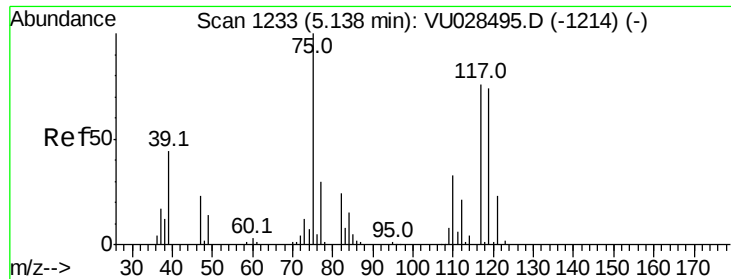
Tot Ion:113 Resp: 62947
 Ion Ratio Lower Upper
 113 100
 111 102.9 83.4 125.0
 192 19.1 14.8 22.2



#36
 1,1-Dichloropropene
 Concen: 4.271 ug/l
 RT: 4.98 min Scan# 1185
 Delta R.T. -0.15 min
 Lab File: VU028507.D
 Acq: 06 Dec 2018 17:45

Tgt Ion: 75 Resp: 8926
 Ion Ratio Lower Upper
 75 100
 110 8.5 16.1 48.2#
 77 0.0 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 6.084 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028507.D

Acq: 06 Dec 2018 17:45

Instrument :

MSVOA_U

ClientSampleId :

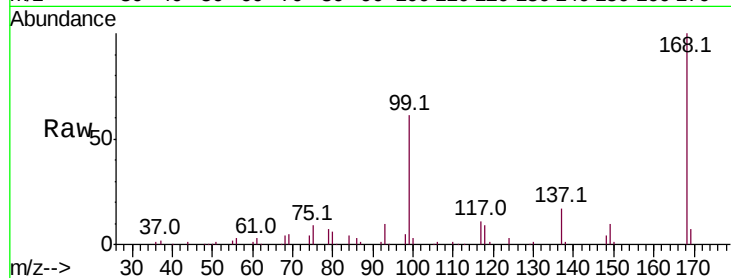
Tot Ion:117 Resp: 10250

Ion Ratio Lower Upper

117 100

119 4.8 77.6 116.4#

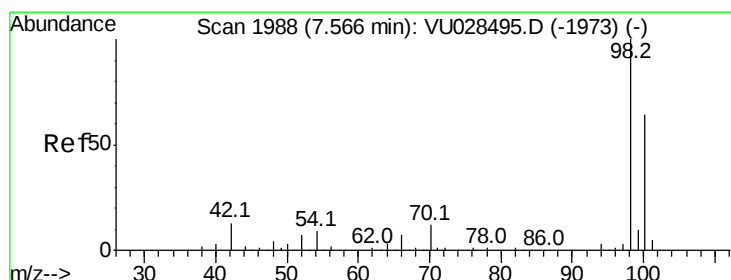
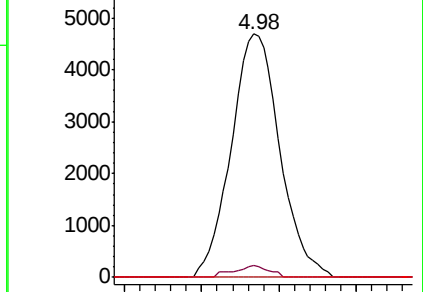
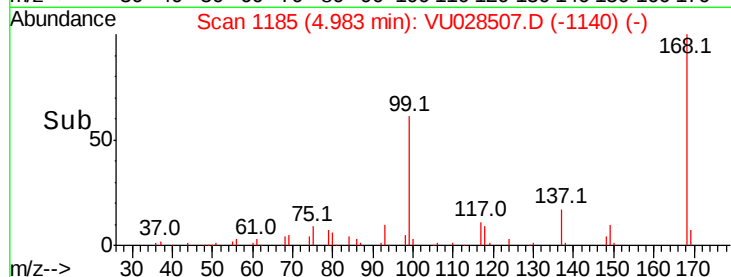
121 0.0 24.6 36.8#



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: 52.782 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VU028507.D

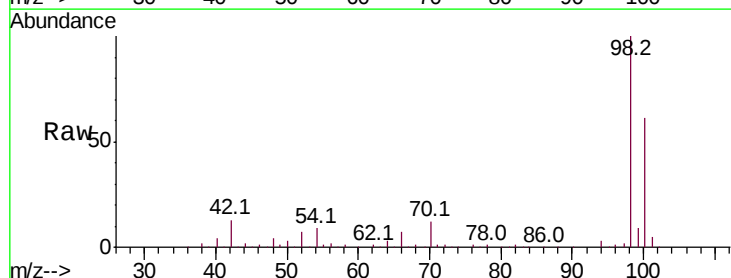
Acq: 06 Dec 2018 17:45

Tgt Ion: 98 Resp: 250968

Ion Ratio Lower Upper

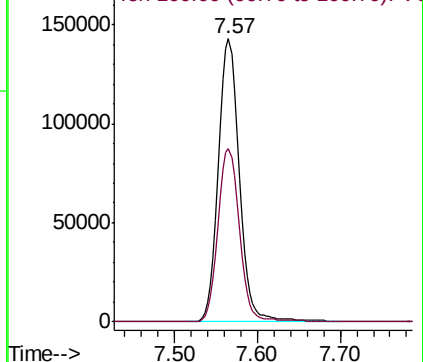
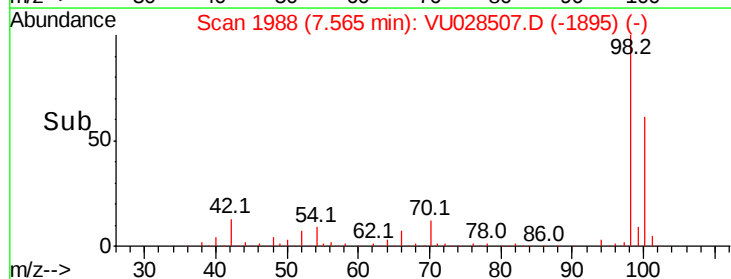
98 100

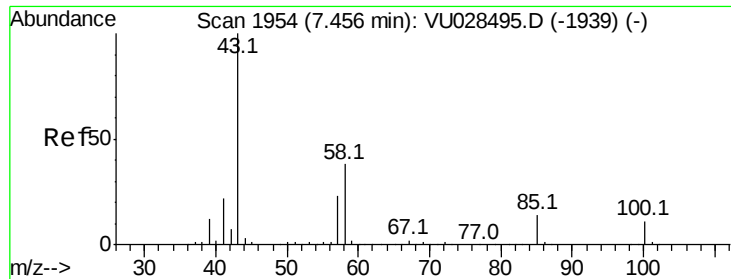
100 62.8 51.0 76.6



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: 0.441 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.11 min

Lab File: VU028507.D

Acq: 06 Dec 2018 17:45

Instrument :

MSVOA_U

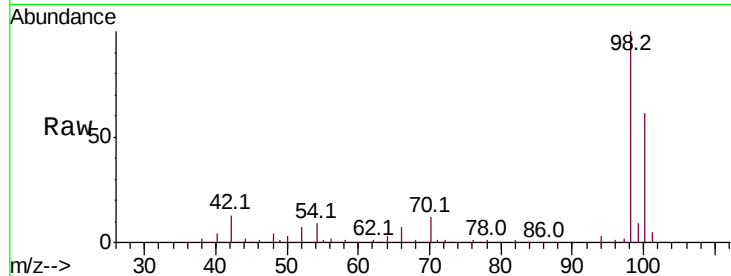
ClientSampled :

Tot Ion: 43 Resp: 1189

Ion Ratio Lower Upper

43 100

58 200.3 30.2 45.2#



Abundance Ion 43.00 (42.70 to 43.70): VU028507.D (-1939) (-)

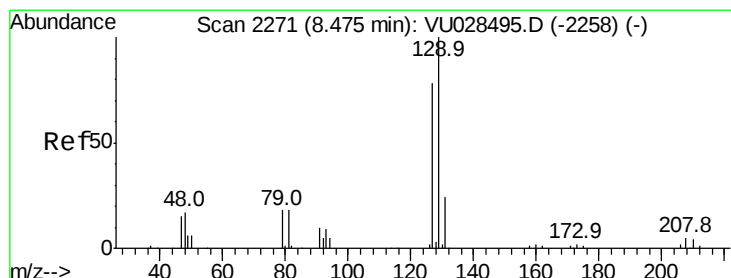
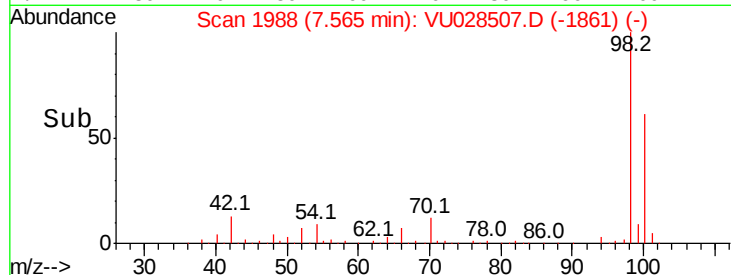
Ion 58.00 (57.70 to 58.70): VU028507.D (-1939) (-)

7.57

7.55

7.60

Time-->



#60

Dibromochloromethane

Concen: 4.035 ug/l

RT: 8.22 min Scan# 2193

Delta R.T. -0.25 min

Lab File: VU028507.D

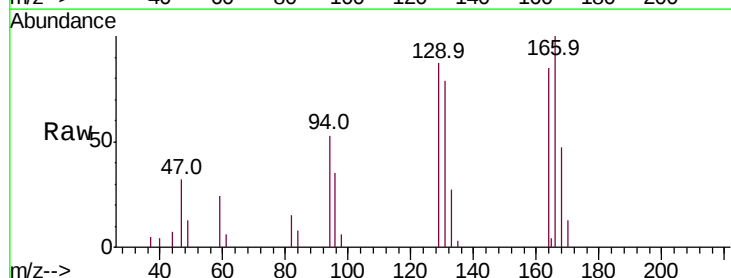
Acq: 06 Dec 2018 17:45

Tgt Ion: 129 Resp: 5657

Ion Ratio Lower Upper

129 100

127 0.0 39.1 117.3#



Abundance Ion 128.80 (128.50 to 129.50): VU028507.D (-2178) (-)

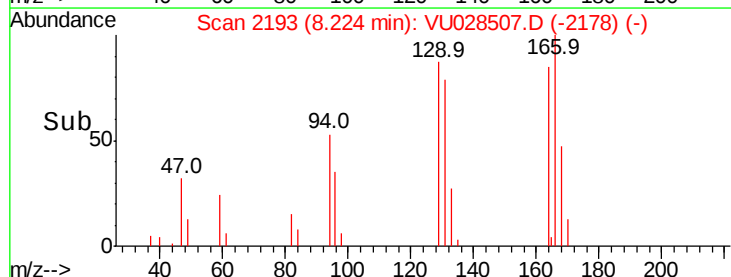
Ion 126.80 (126.50 to 127.50): VU028507.D (-2178) (-)

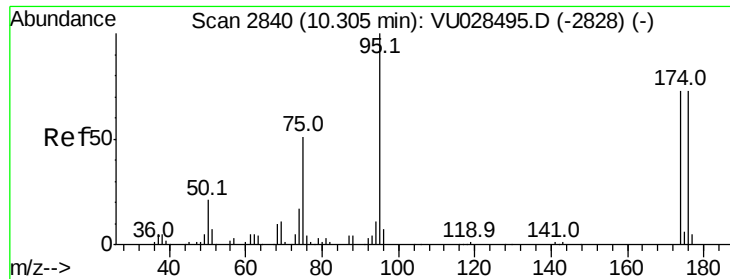
8.22

8.20

8.25

Time-->





#62

4-Bromofluorobenzene

Concen: 50.736 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU028507.D

Acq: 06 Dec 2018 17:45

Instrument :

MSVOA_U

ClientSampleId :

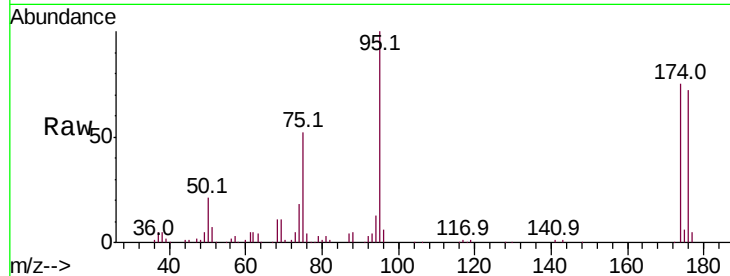
Tot Ion: 95 Resp: 90167

Ion Ratio Lower Upper

95 100

174 74.1 0.0 150.4

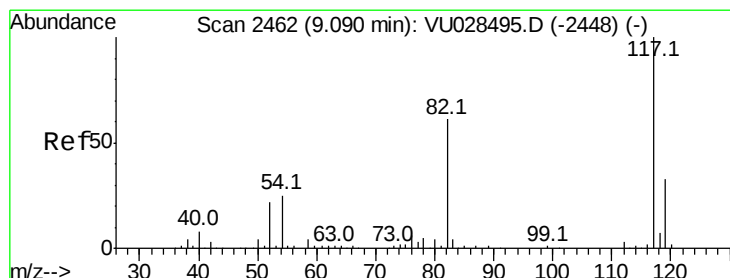
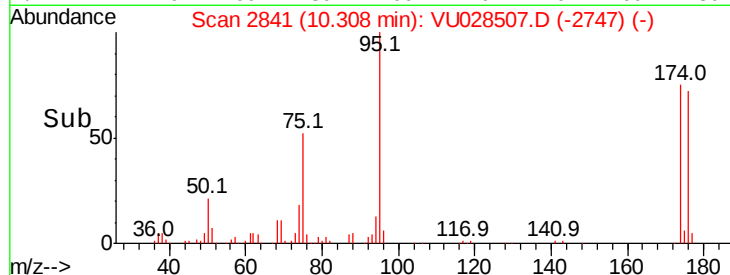
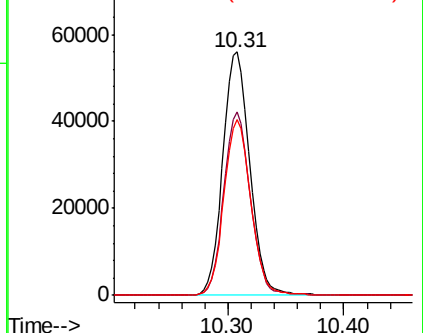
176 71.8 0.0 145.2



Abundance Ion 94.90 (94.60 to 95.60): VU028495.D (-2828) (-)

Ion 173.80 (173.50 to 174.50): VU028495.D (-2828) (-)

Ion 175.80 (175.50 to 176.50): VU028495.D (-2828) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VU028507.D

Acq: 06 Dec 2018 17:45

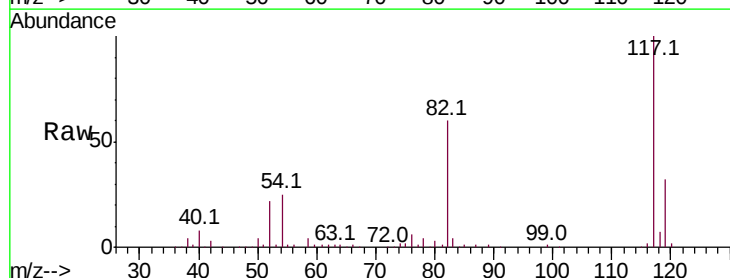
Tgt Ion: 117 Resp: 181274

Ion Ratio Lower Upper

117 100

82 60.0 48.9 73.3

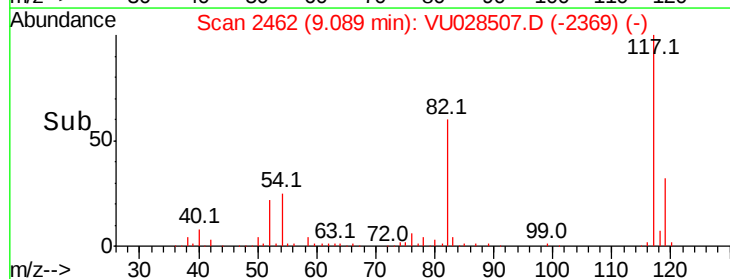
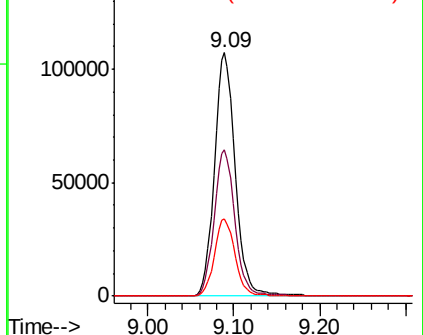
119 31.8 26.2 39.4

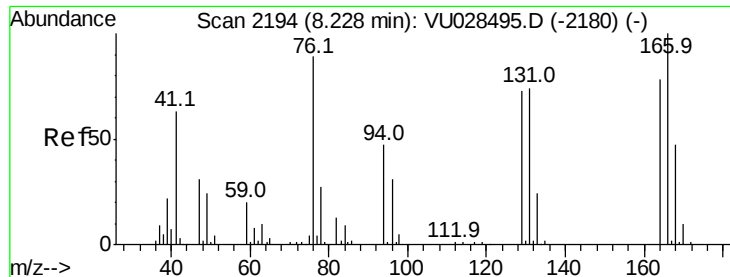


Abundance Ion 116.90 (116.60 to 117.60): VU028495.D (-2448) (-)

Ion 82.00 (81.70 to 82.70): VU028495.D (-2448) (-)

Ion 118.90 (118.60 to 119.60): VU028495.D (-2448) (-)





#64

Tetrachloroethene

Concen: 4.668 ug/l

RT: 8.23 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VU028507.D

Acq: 06 Dec 2018 17:45

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 5644

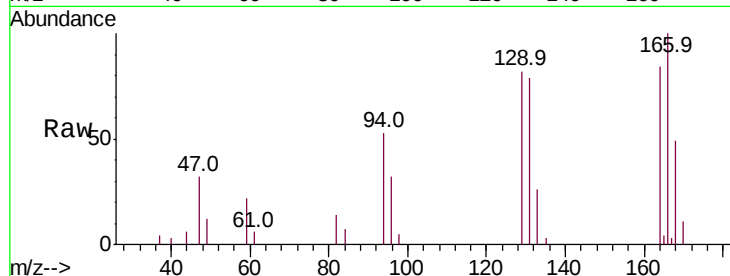
Ion Ratio Lower Upper

164 100

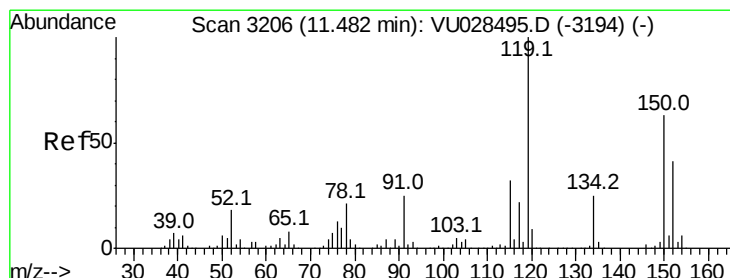
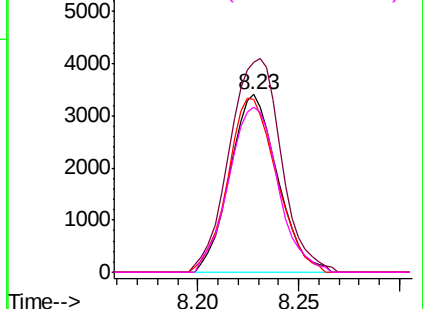
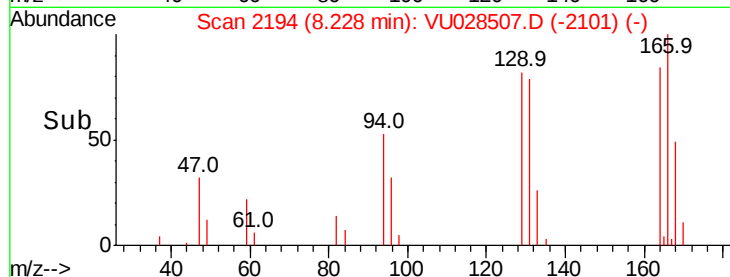
166 118.4 101.9 152.9

129 97.2 74.9 112.3

131 93.3 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: VU028507.D

Acq: 06 Dec 2018 17:45

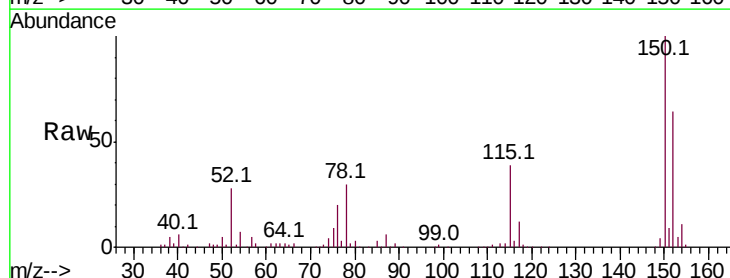
Tgt Ion:152 Resp: 82376

Ion Ratio Lower Upper

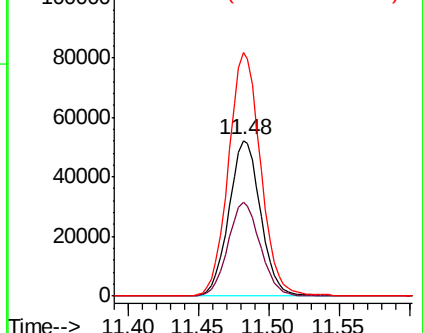
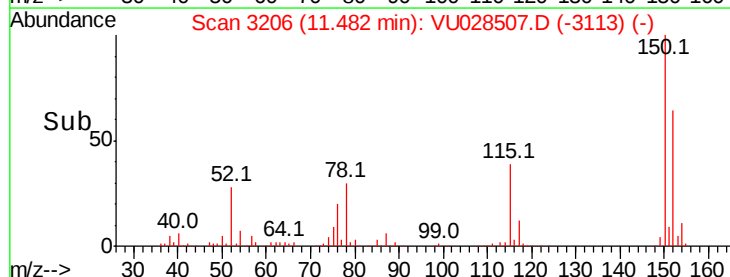
152 100

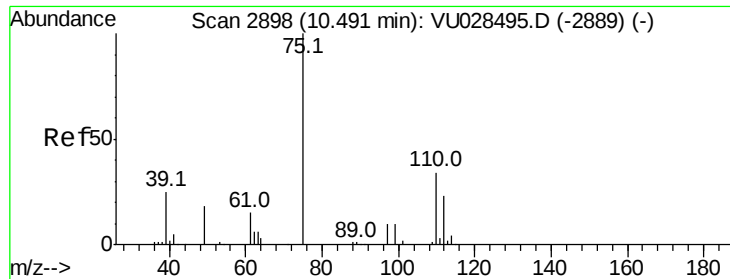
115 61.4 42.7 128.1

150 158.8 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: 22.301 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028507.D

Acq: 06 Dec 2018 17:45

Instrument :

MSVOA_U

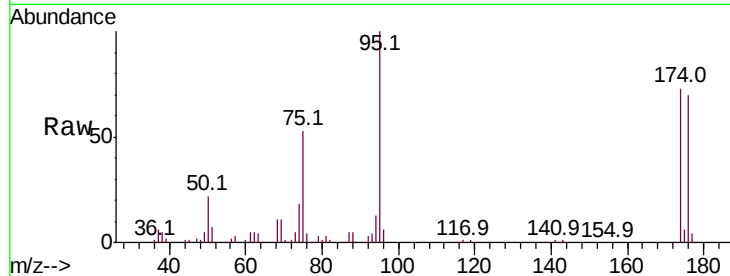
ClientSampleId :

Tot Ion: 75 Resp: 46910

Ion Ratio Lower Upper

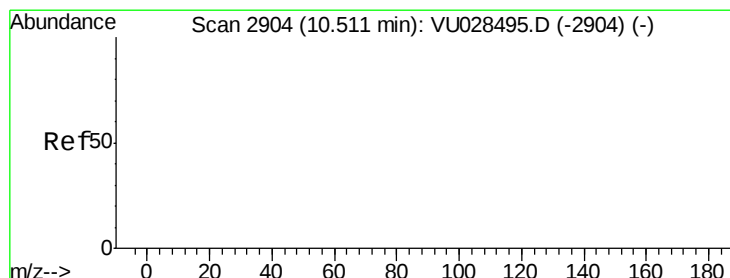
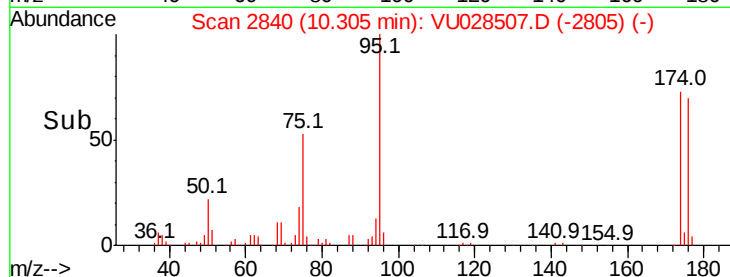
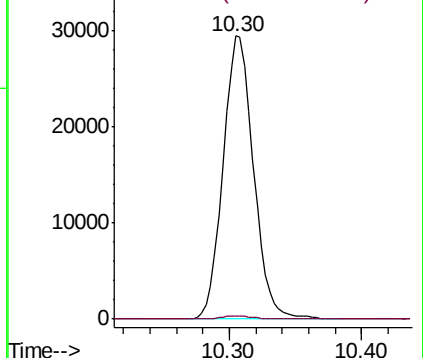
75 100

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: 54.780 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU028507.D

Acq: 06 Dec 2018 17:45

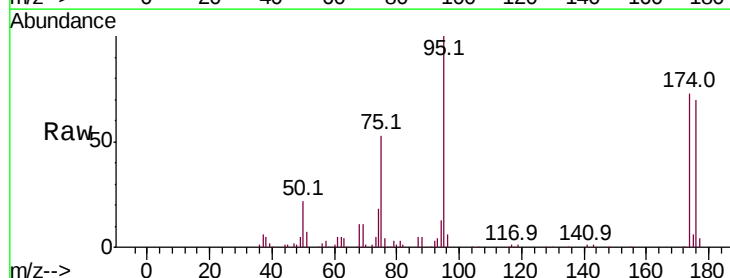
Tgt Ion: 75 Resp: 46910

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

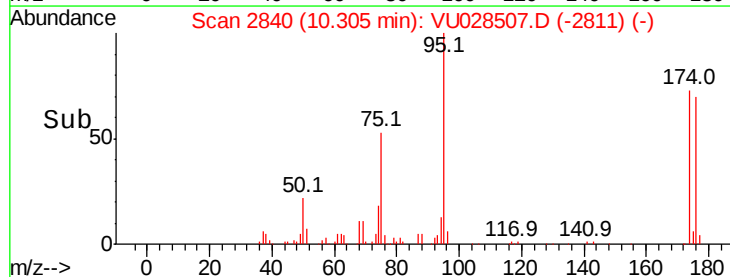
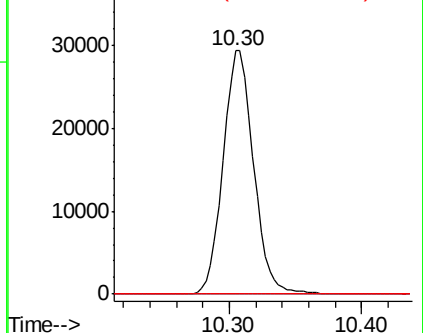
89 0.0 0.0 0.0

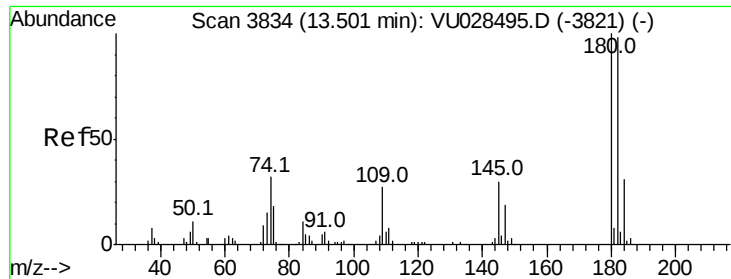


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#93
 1,2,4-Trichlorobenzene
 Concen: 1.080 ug/l
 RT: 13.52 min Scan# 3841
 Delta R.T. 0.02 min
 Lab File: VU028507.D
 Acq: 06 Dec 2018 17:45

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	55.3	47.9	143.8
145	0.0	15.0	45.1#

