

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121718\
 Data File : VU028715.D
 Acq On : 17 Dec 2018 13:05
 Operator : MD/SY
 Sample : J6426-06
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

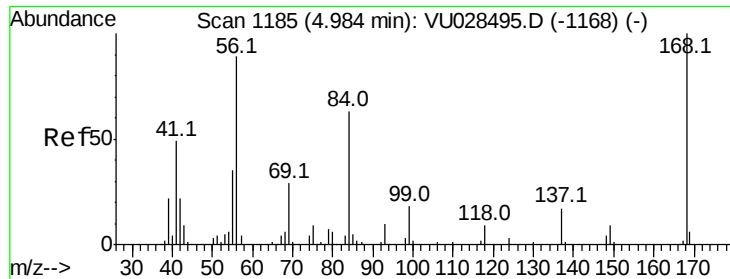
Quant Time: Dec 18 03:06:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	78185	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	138190	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	125451	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	49115	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	63105	52.89	ug/l	0.00
Spiked Amount			Recovery	=	105.78%	
35) Dibromofluoromethane	4.88	113	48709	56.01	ug/l	0.00
Spiked Amount			Recovery	=	112.02%	
50) Toluene-d8	7.57	98	179793	52.26	ug/l	0.00
Spiked Amount			Recovery	=	104.52%	
62) 4-Bromofluorobenzene	10.31	95	56718	44.11	ug/l	0.00
Spiked Amount			Recovery	=	88.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	984	0.511	ug/l	95
11) Tert butyl alcohol	2.83	59	2381	8.957	ug/l #	91
16) Acetone	2.32	43	837	1.075	ug/l	99
18) Methyl Acetate	2.62	43	1037	0.514	ug/l #	76
31) Cyclohexane	4.98	56	1690	Below Cal	#	1
36) 1,1-Dichloropropene	4.99	75	6896	4.560	ug/l #	49
38) Carbon Tetrachloride	4.98	117	7741	6.351	ug/l #	15
51) 4-Methyl-2-Pentanone	7.57	43	908	0.466	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	30057	23.966	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	30057	58.831	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: VU028715.D

Acq: 17 Dec 2018 13:05

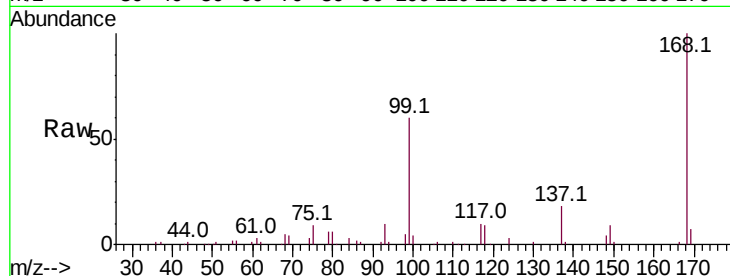
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 78185

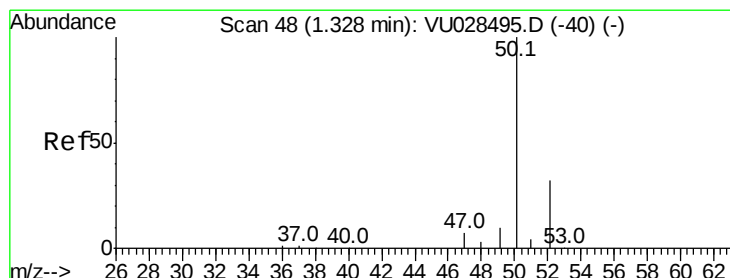
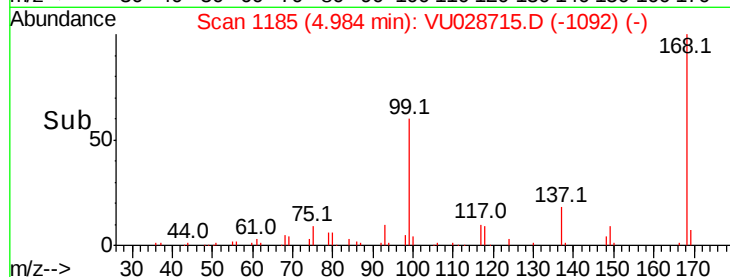
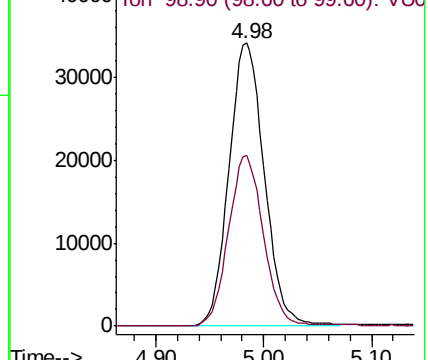
Ion Ratio Lower Upper

168 100

99 60.1 46.6 69.8



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



#3

Chloromethane

Concen: 0.511 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028715.D

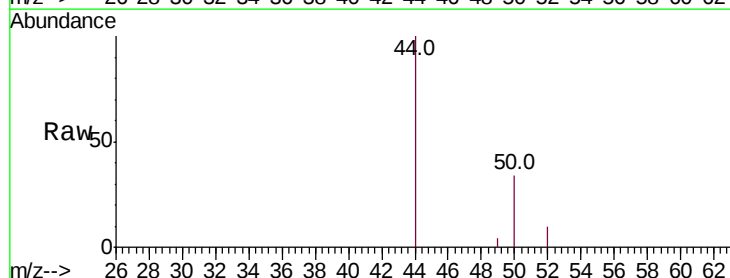
Acq: 17 Dec 2018 13:05

Tgt Ion: 50 Resp: 984

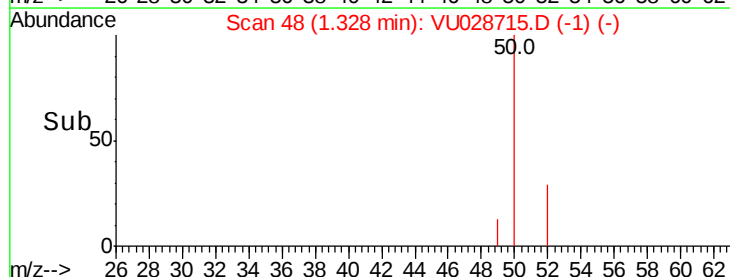
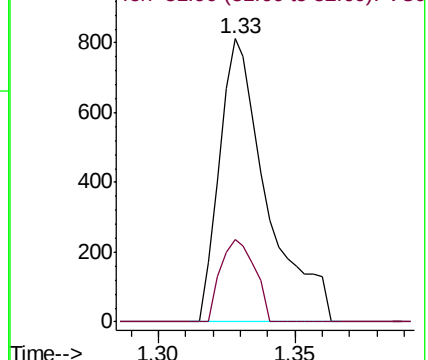
Ion Ratio Lower Upper

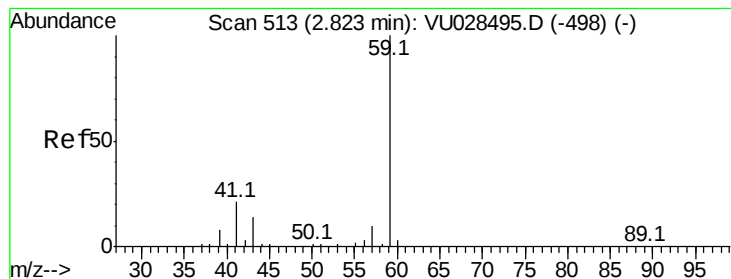
50 100

52 28.9 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VU028495.D (-40) (-)



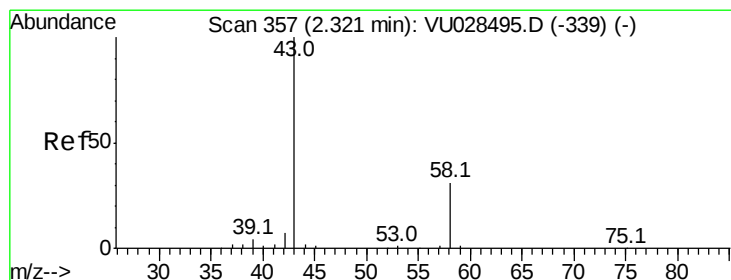
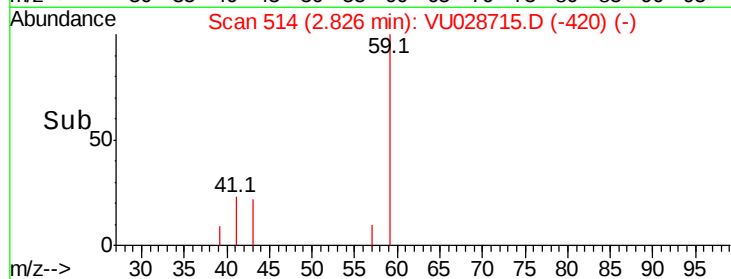
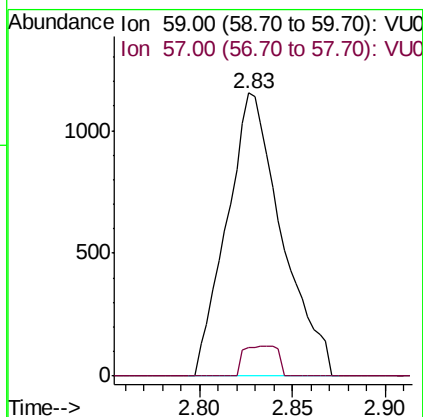
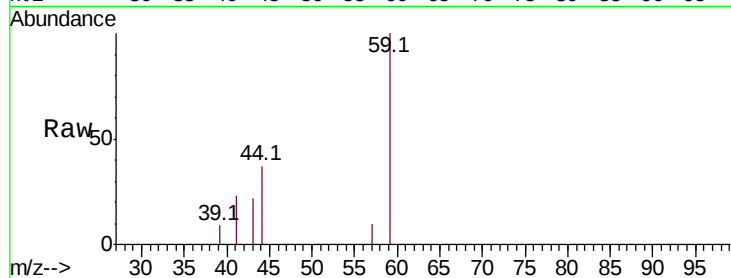


#11

Tert butyl alcohol
 Concen: 8.957 ug/l
 RT: 2.83 min Scan# 514
 Delta R.T. 0.00 min
 Lab File: VU028715.D
 Acq: 17 Dec 2018 13:05

Instrument :
 MSVOA_U
 ClientSampled :

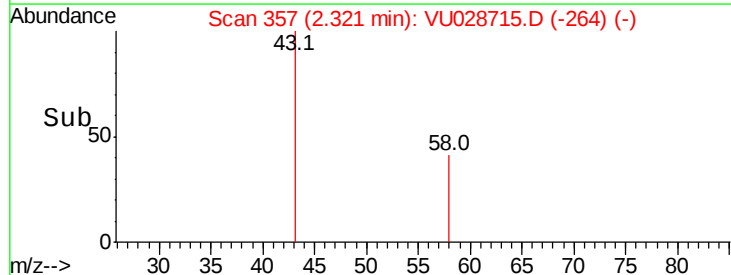
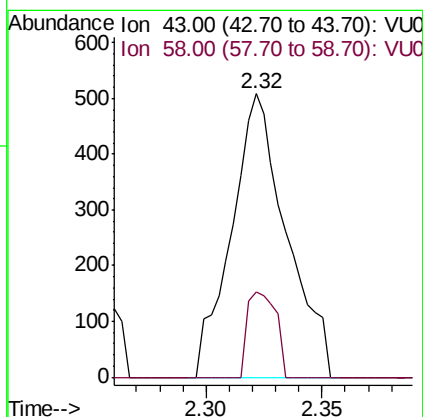
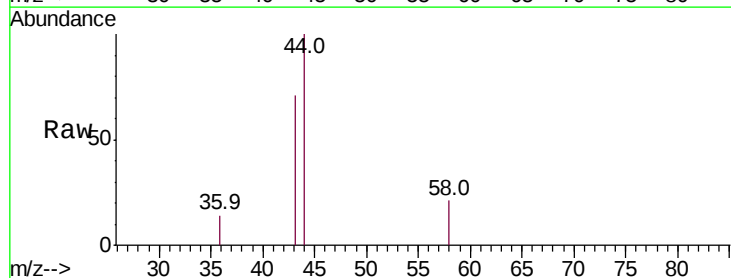
Tot Ion: 59 Resp: 2381
 Ion Ratio Lower Upper
 59 100
 57 6.6 8.0 12.0#

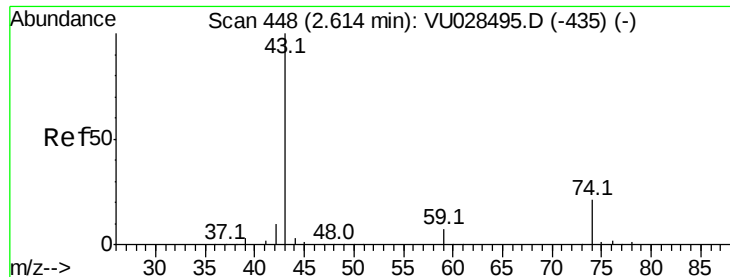


#16

Acetone
 Concen: 1.075 ug/l
 RT: 2.32 min Scan# 357
 Delta R.T. 0.00 min
 Lab File: VU028715.D
 Acq: 17 Dec 2018 13:05

Tgt Ion: 43 Resp: 837
 Ion Ratio Lower Upper
 43 100
 58 30.1 24.6 37.0

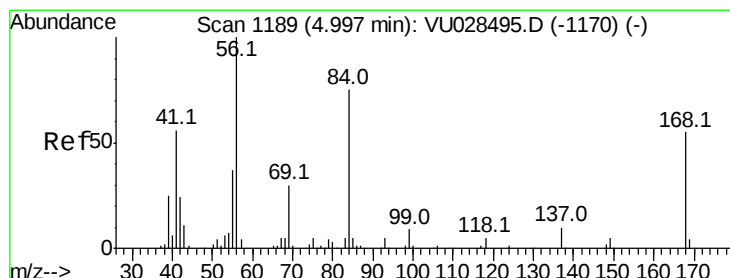
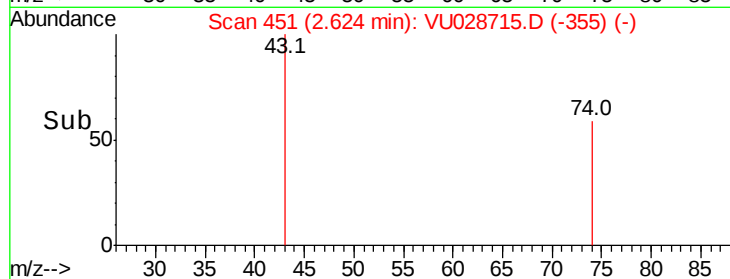
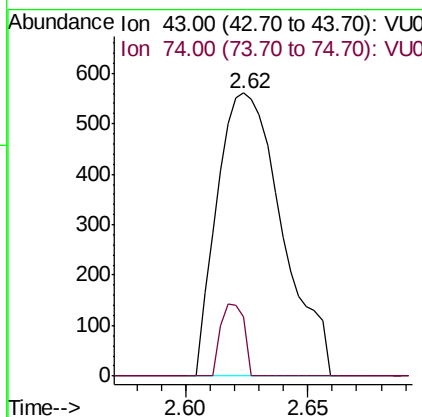
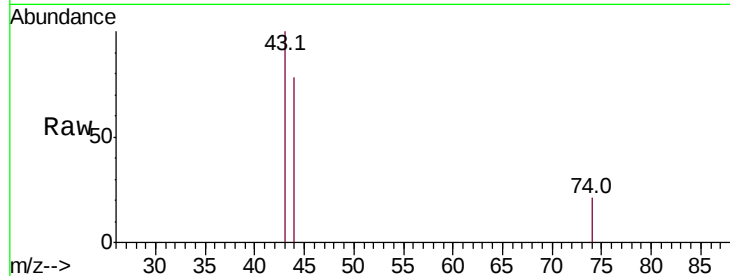




#18
Methvl Acetate
Concen: 0.514 ug/l
RT: 2.62 min Scan# 451
Delta R.T. 0.01 min
Lab File: VU028715.D
Acq: 17 Dec 2018 13:05

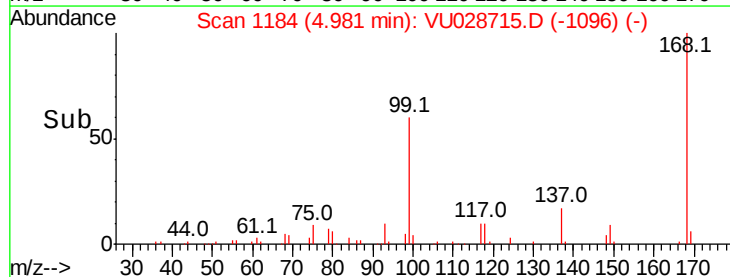
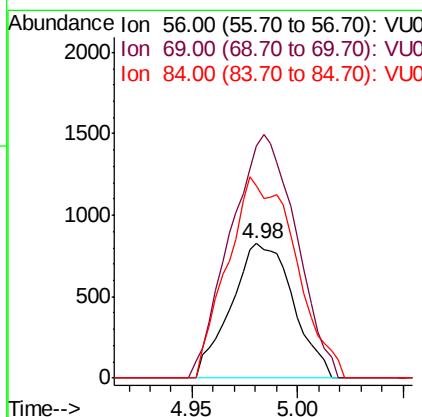
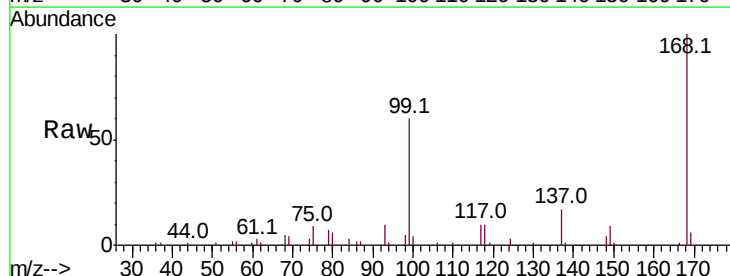
Instrument :
MSVOA_U
ClientSampleId :

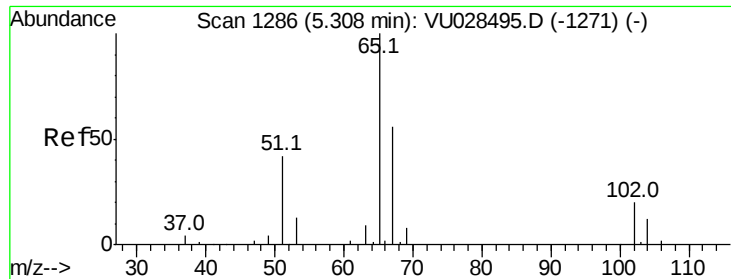
Tot Ion: 43 Resp: 1037
Ion Ratio Lower Upper
43 100
74 9.4 16.4 24.6#



#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1184
Delta R.T. -0.02 min
Lab File: VU028715.D
Acq: 17 Dec 2018 13:05

Tgt Ion: 56 Resp: 1690
Ion Ratio Lower Upper
56 100
69 172.8 24.0 36.0#
84 143.0 59.7 89.5#

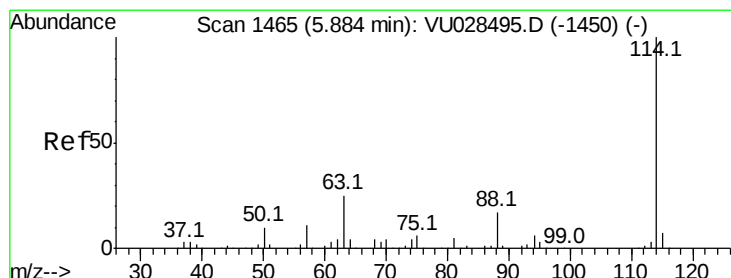
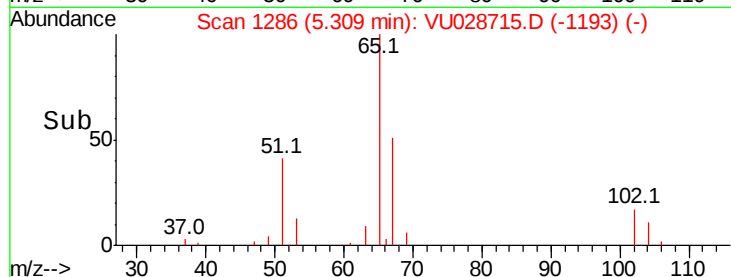
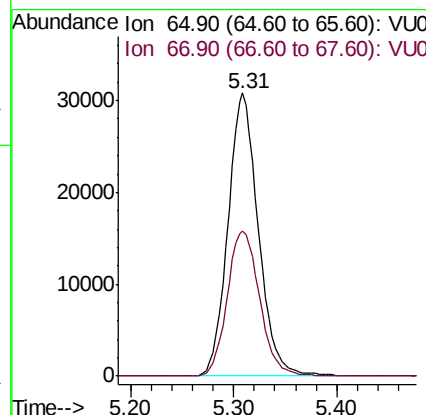
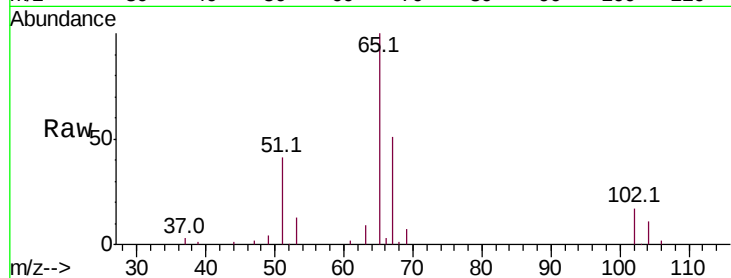




#33
 1,2-Dichloroethane-d4
 Concen: 52.889 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU028715.D
 Acq: 17 Dec 2018 13:05

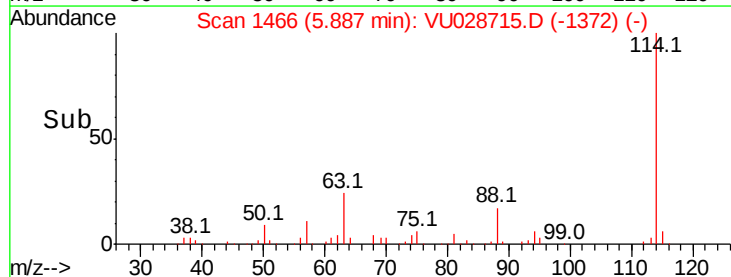
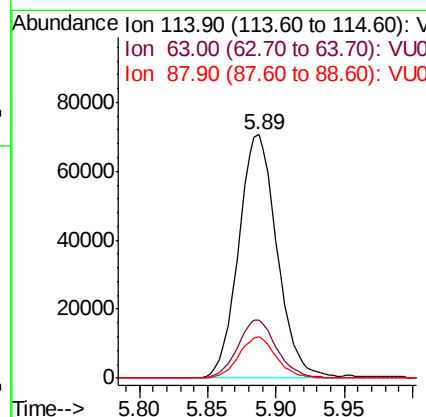
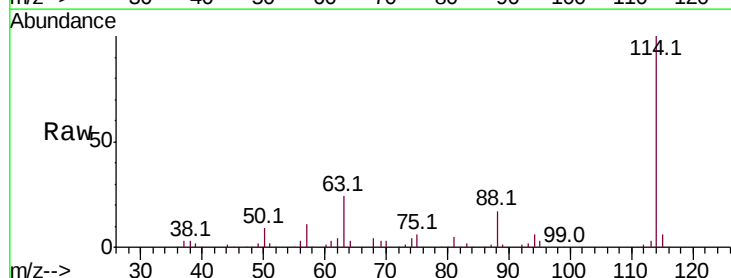
Instrument :
 MSVOA_U
 ClientSampleId :

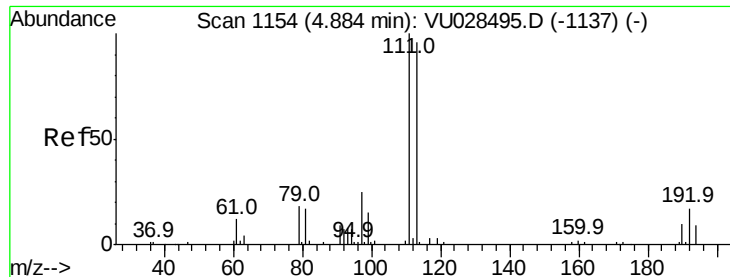
Tot Ion: 65 Resp: 63105
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028715.D
 Acq: 17 Dec 2018 13:05

Tgt Ion:114 Resp: 138190
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 49.2
 88 17.0 0.0 33.4





#35

Dibromofluoromethane

Concen: 56.011 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028715.D

Acq: 17 Dec 2018 13:05

Instrument :
MSVOA_U
ClientSampleId :

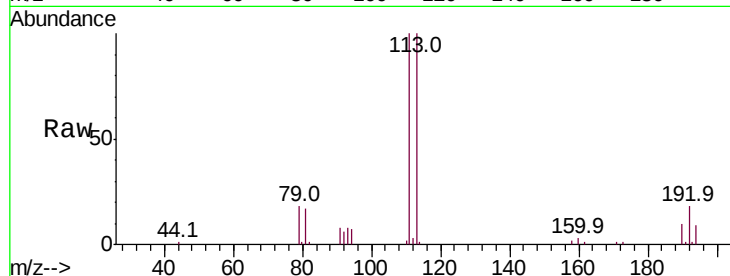
Tot Ion:113 Resp: 48709

Ion Ratio Lower Upper

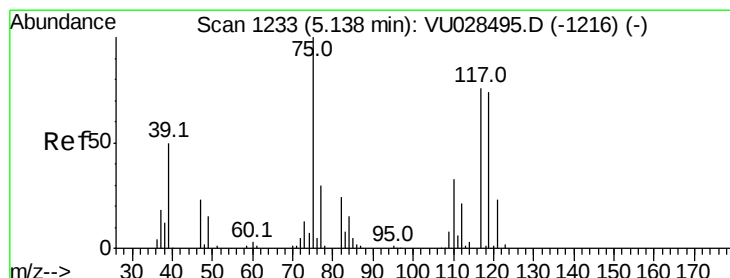
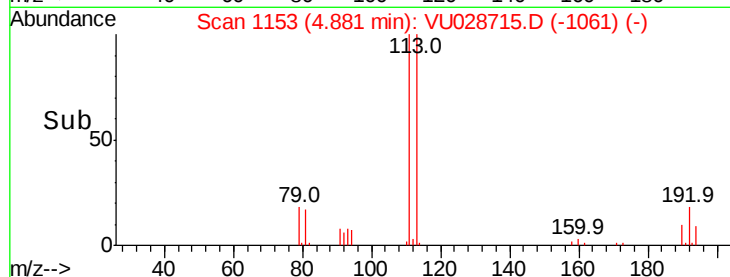
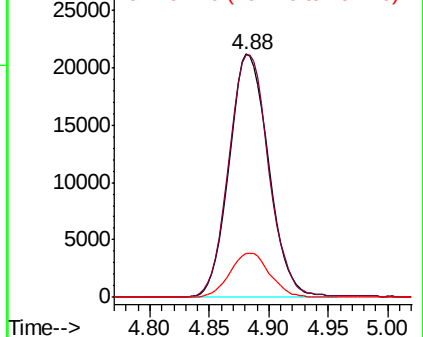
113 100

111 101.3 83.4 125.0

192 18.2 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: 4.560 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU028715.D

Acq: 17 Dec 2018 13:05

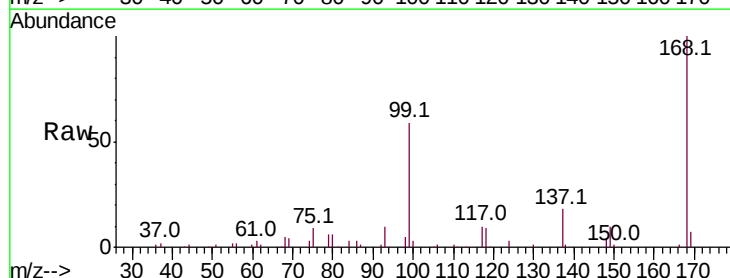
Tgt Ion: 75 Resp: 6896

Ion Ratio Lower Upper

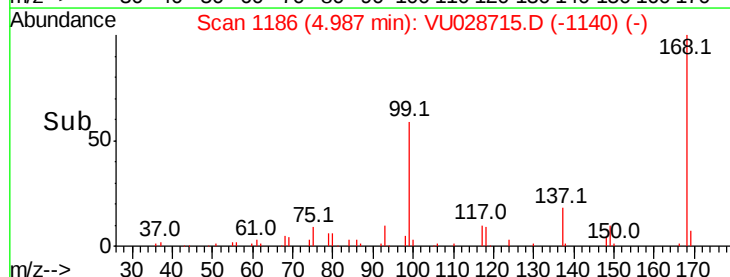
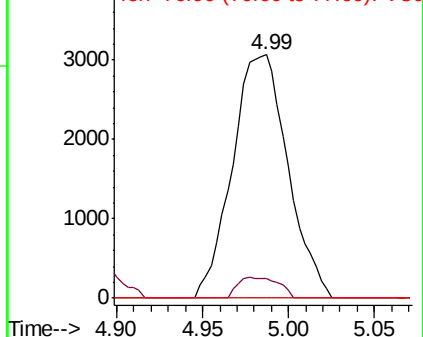
75 100

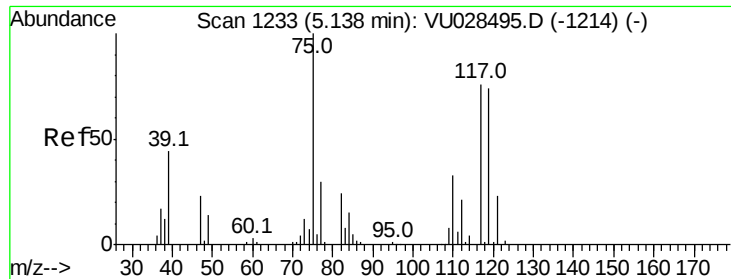
110 6.2 16.1 48.2#

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: 6.351 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.16 min

Lab File: VU028715.D

Acq: 17 Dec 2018 13:05

Instrument :

MSVOA_U

ClientSampleId :

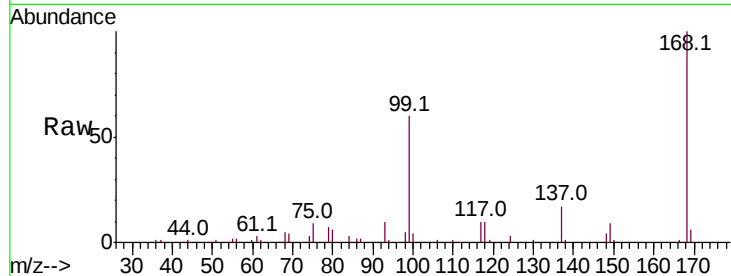
Tot Ion:117 Resp: 7741

Ion Ratio Lower Upper

117 100

119 5.1 77.6 116.4#

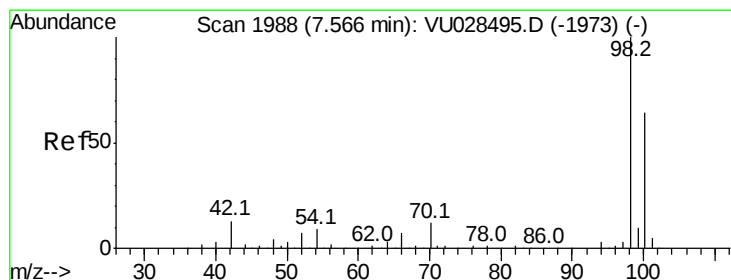
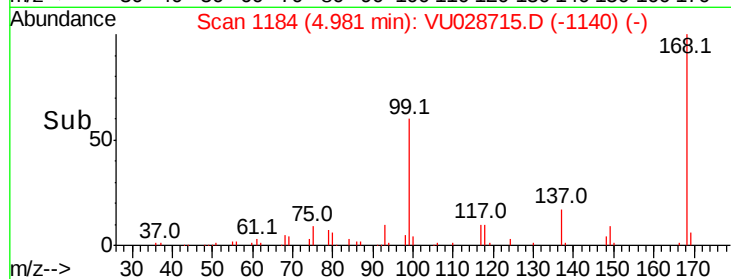
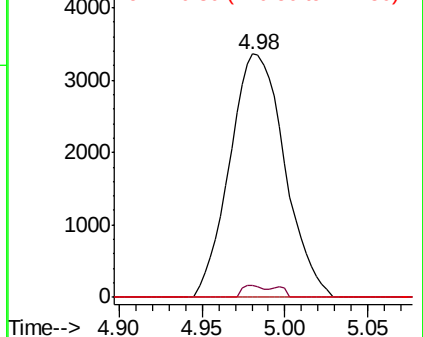
121 0.0 24.6 36.8#



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: 52.263 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VU028715.D

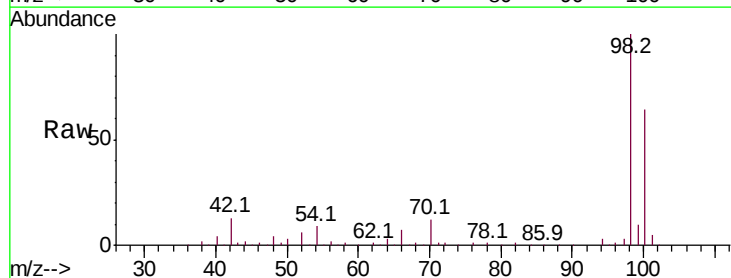
Acq: 17 Dec 2018 13:05

Tgt Ion: 98 Resp: 179793

Ion Ratio Lower Upper

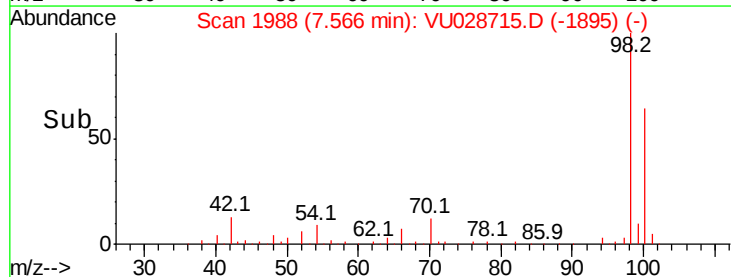
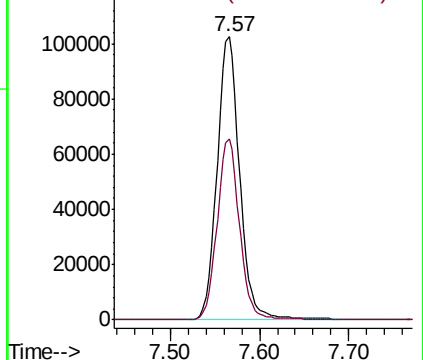
98 100

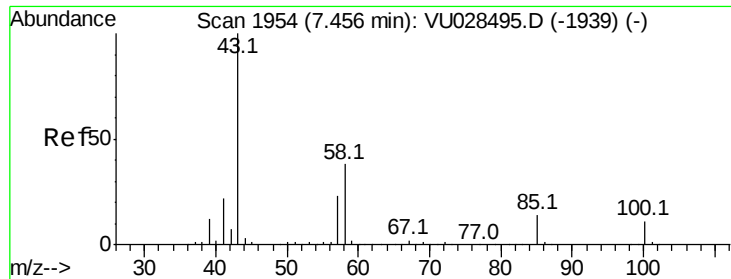
100 63.5 51.0 76.6



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: 0.466 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.11 min

Lab File: VU028715.D

Acq: 17 Dec 2018 13:05

Instrument :

MSVOA_U

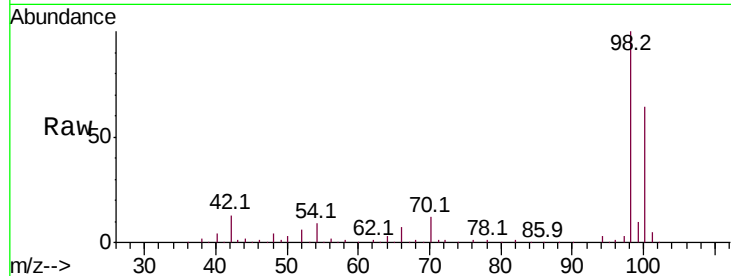
ClientSampleId :

Tot Ion: 43 Resp: 908

Ion Ratio Lower Upper

43 100

58 170.9 30.2 45.2#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

800

600

400

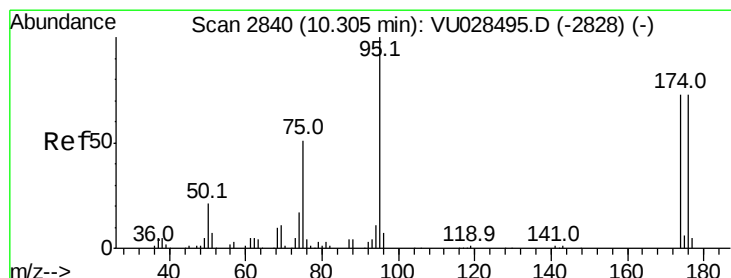
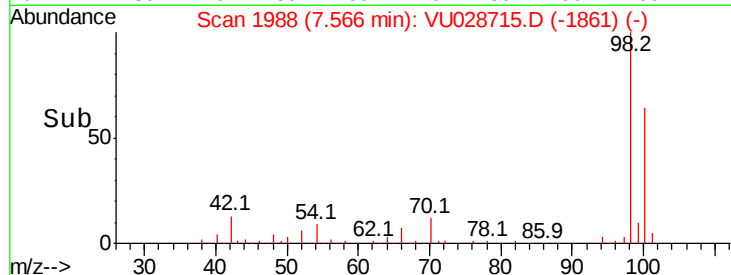
200

0

7.55

7.60

Time-->



#62

4-Bromofluorobenzene

Concen: 44.111 ug/l

RT: 10.31 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU028715.D

Acq: 17 Dec 2018 13:05

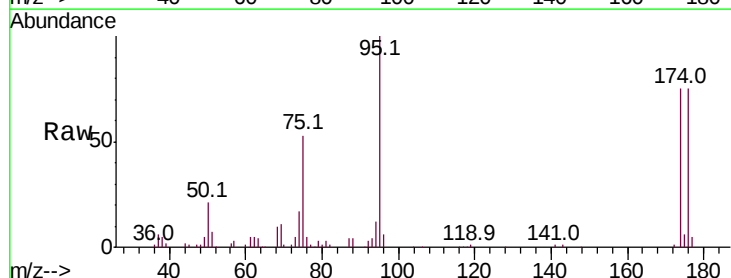
Tgt Ion: 95 Resp: 56718

Ion Ratio Lower Upper

95 100

174 77.5 0.0 150.4

176 75.0 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

40000

30000

20000

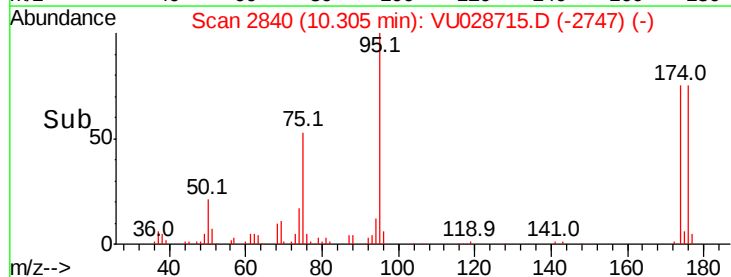
10000

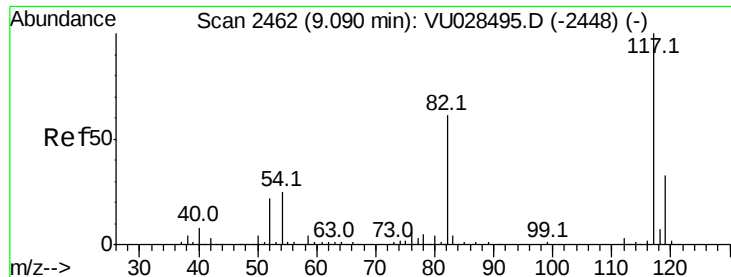
0

10.30

10.40

Time-->

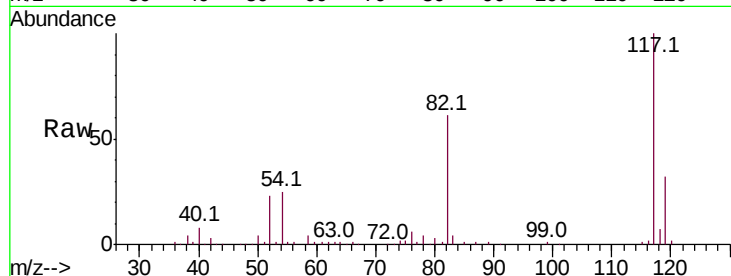




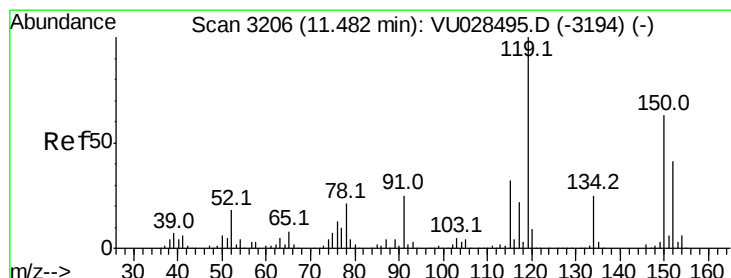
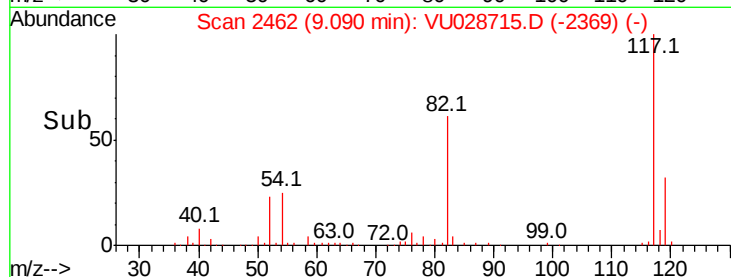
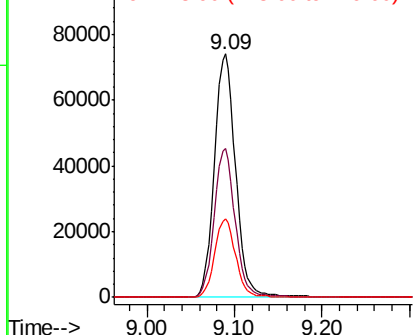
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028715.D
Acq: 17 Dec 2018 13:05

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 125451
Ion Ratio Lower Upper
117 100
82 61.0 48.9 73.3
119 32.4 26.2 39.4

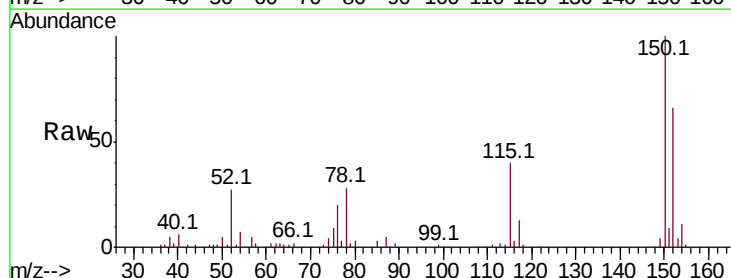


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

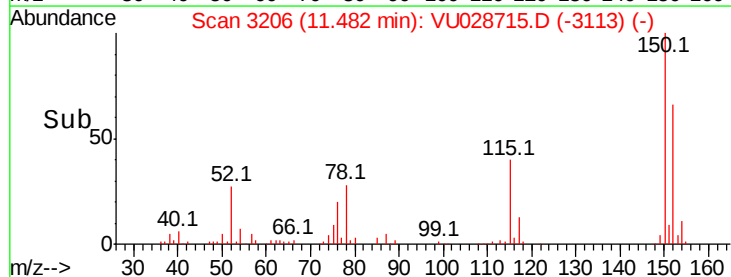
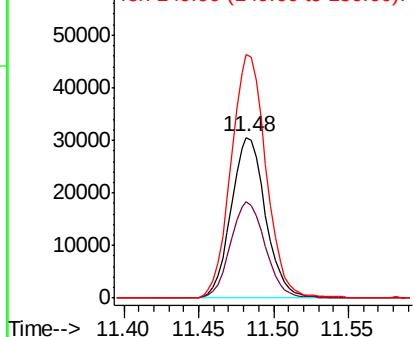


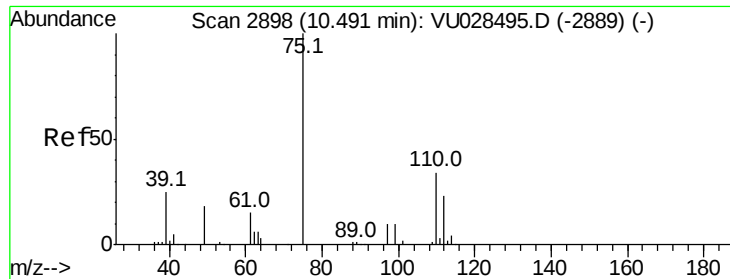
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. 0.00 min
Lab File: VU028715.D
Acq: 17 Dec 2018 13:05

Tgt Ion:152 Resp: 49115
Ion Ratio Lower Upper
152 100
115 60.5 42.7 128.1
150 153.7 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: 23.966 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.18 min

Lab File: VU028715.D

Acq: 17 Dec 2018 13:05

Instrument :

MSVOA_U

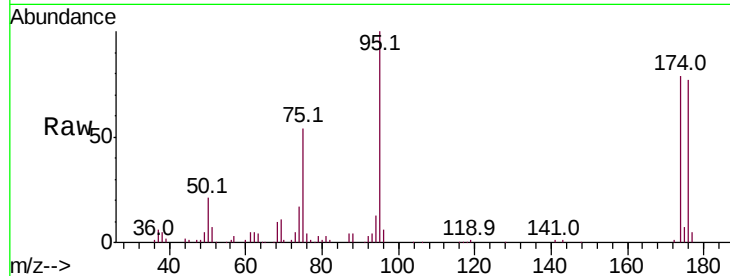
ClientSampleId :

Tot Ion: 75 Resp: 30057

Ion Ratio Lower Upper

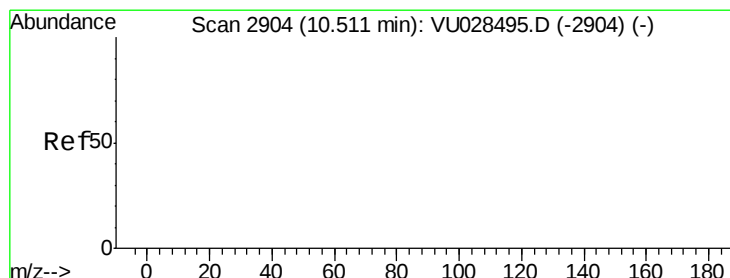
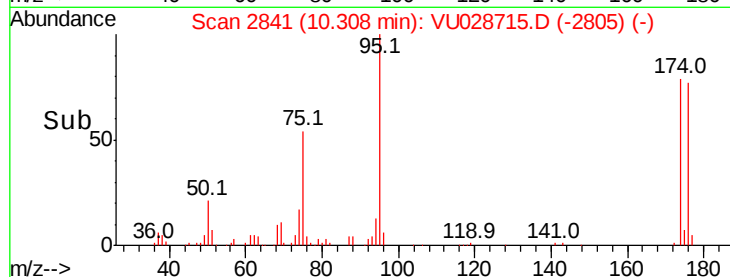
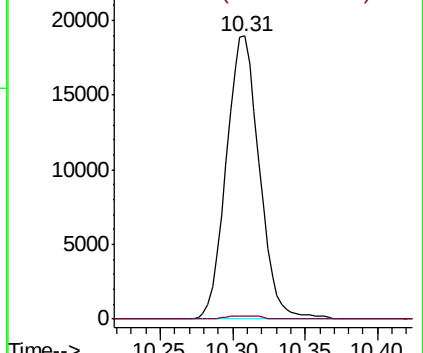
75 100

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: 58.831 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. -0.20 min

Lab File: VU028715.D

Acq: 17 Dec 2018 13:05

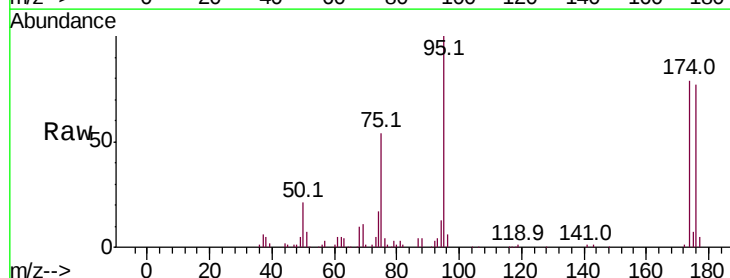
Tgt Ion: 75 Resp: 30057

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

