

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121718\
 Data File : VU028740.D
 Acq On : 17 Dec 2018 23:57
 Operator : MD/SY
 Sample : J6413-10
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 18 03:13:48 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	83100	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	146046	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	132270	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	50499	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	66343	52.31	ug/l	0.00
Spiked Amount			Recovery	=	104.62%	
35) Dibromofluoromethane	4.88	113	50005	54.41	ug/l	0.00
Spiked Amount			Recovery	=	108.82%	
50) Toluene-d8	7.56	98	190765	52.47	ug/l	0.00
Spiked Amount			Recovery	=	104.94%	
62) 4-Bromofluorobenzene	10.31	95	62038	45.65	ug/l	0.00
Spiked Amount			Recovery	=	91.30%	

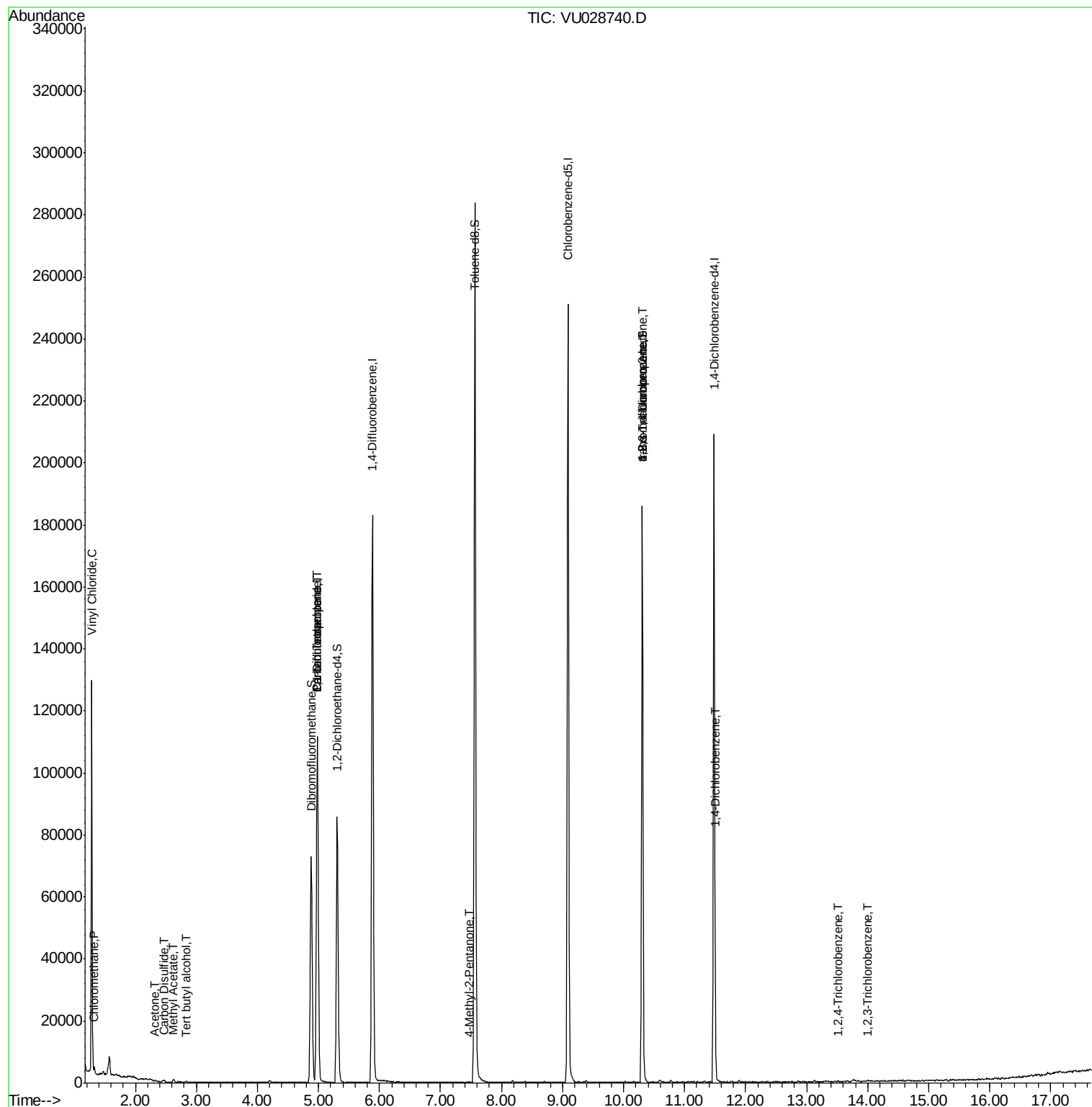
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1463	0.714	ug/l	96
4) Vinyl Chloride	1.29	62	1260	0.853	ug/l #	43
11) Tert butyl alcohol	2.83	59	137	0.485	ug/l #	73
16) Acetone	2.32	43	449	0.543	ug/l #	44
17) Carbon Disulfide	2.48	76	817	0.245	ug/l #	75
18) Methyl Acetate	2.63	43	1315	0.613	ug/l #	67
31) Cyclohexane	4.98	56	1989	Below Cal	#	15
36) 1,1-Dichloropropene	4.98	75	7230	4.524	ug/l #	50
38) Carbon Tetrachloride	4.98	117	8216	6.378	ug/l #	17
51) 4-Methyl-2-Pentanone	7.47	43	426	0.207	ug/l #	37
76) 1,2,3-Trichloropropane	10.31	75	32406	25.131	ug/l #	36
81) trans-1,4-Dichloro-2-buten	10.31	75	32406	61.665	ug/l #	100
88) 1,4-Dichlorobenzene	11.51	146	412	0.233	ug/l #	48
93) 1,2,4-Trichlorobenzene	13.51	180	213	1.022	ug/l #	78
96) 1,2,3-Trichlorobenzene	13.99	180	172	0.293	ug/l #	37

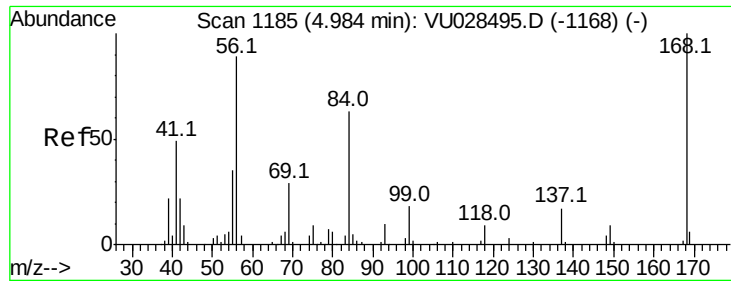
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VU028740.D

Acq: 17 Dec 2018 23:57

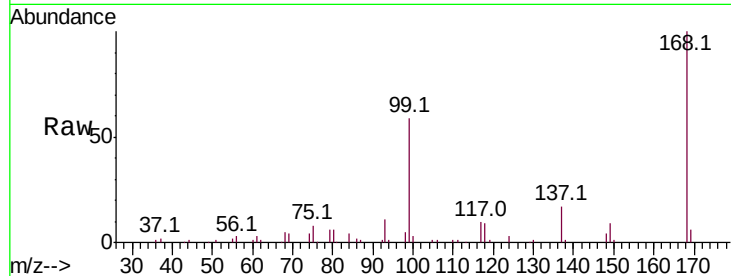
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 83100

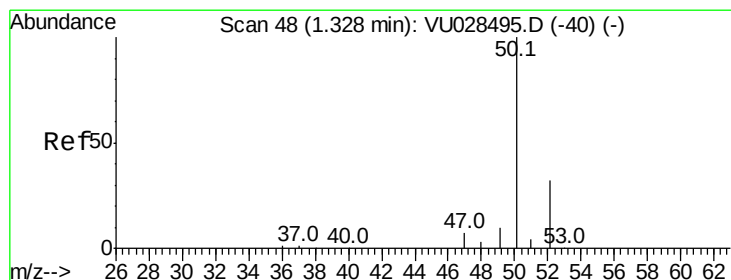
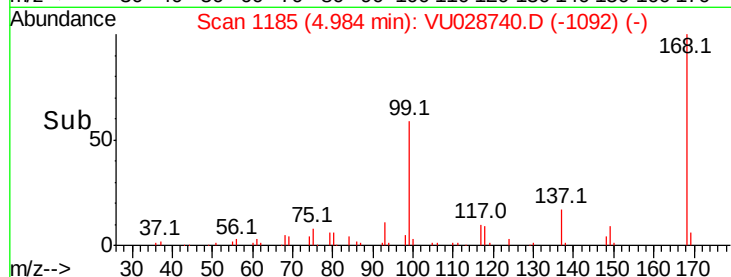
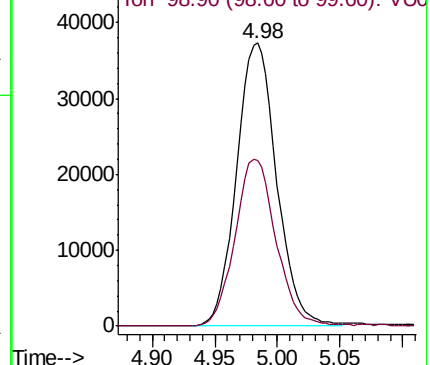
Ion Ratio Lower Upper

168 100

99 58.7 46.6 69.8



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



#3

Chloromethane

Concen: 0.714 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028740.D

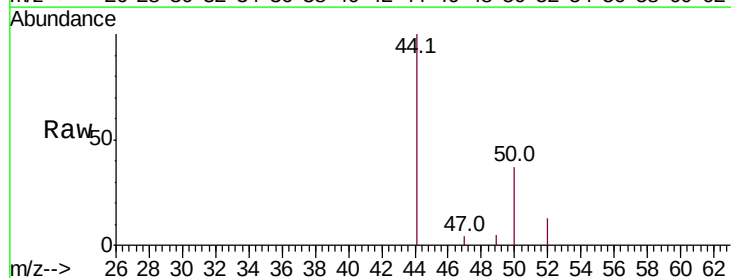
Acq: 17 Dec 2018 23:57

Tgt Ion: 50 Resp: 1463

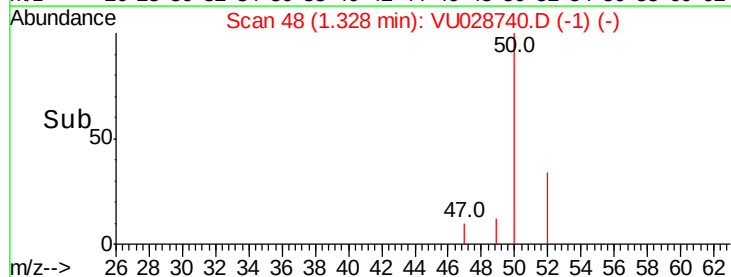
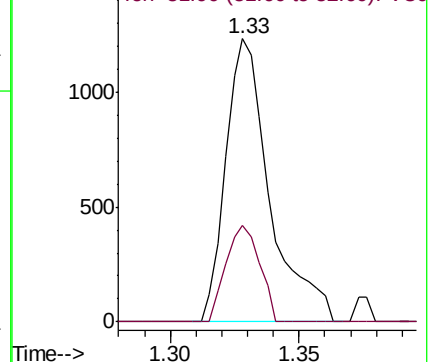
Ion Ratio Lower Upper

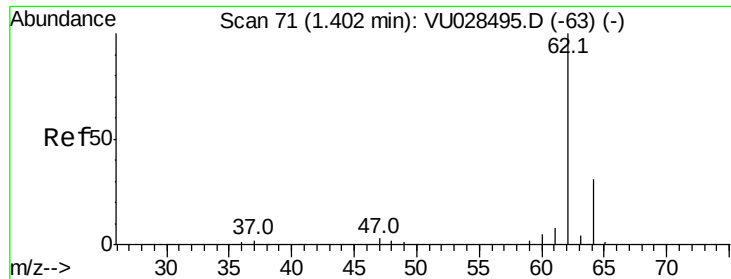
50 100

52 34.2 25.5 38.3



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





#4

Vinyl Chloride

Concen: 0.853 ug/l

RT: 1.29 min Scan# 35

Delta R.T. -0.12 min

Lab File: VU028740.D

Acq: 17 Dec 2018 23:57

Instrument :

MSVOA_U

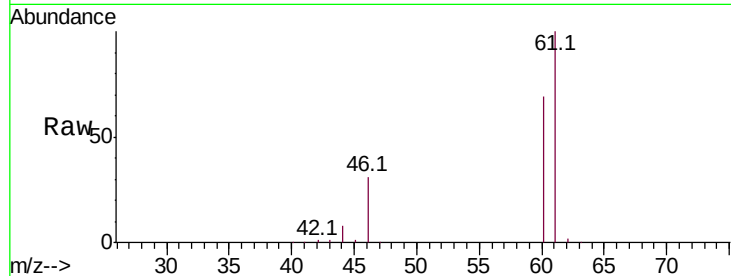
ClientSampleId :

Tot Ion: 62 Resp: 1260

Ion Ratio Lower Upper

62 100

64 0.0 25.1 37.7#



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

1.29

1500

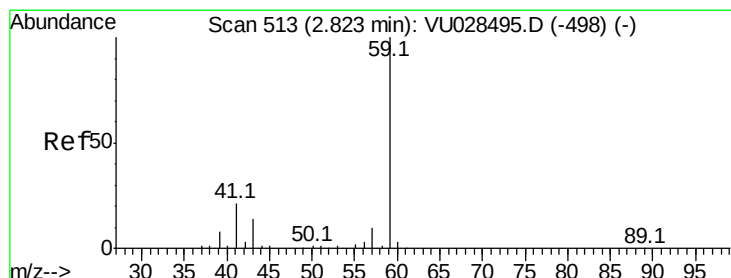
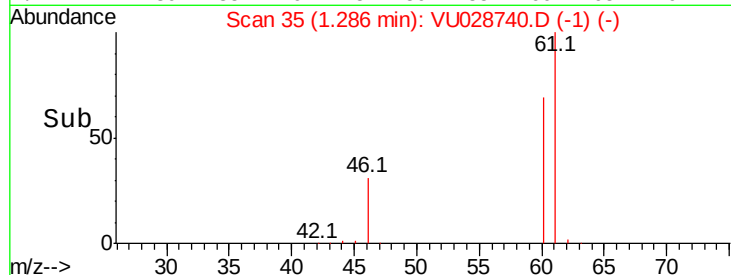
1000

500

0

1.26 1.28 1.30

Time-->



#11

Tert butyl alcohol

Concen: 0.485 ug/l

RT: 2.83 min Scan# 514

Delta R.T. 0.00 min

Lab File: VU028740.D

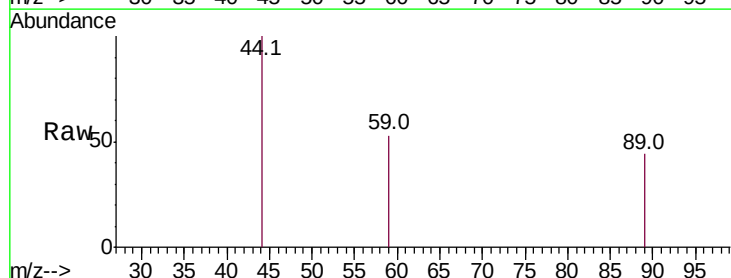
Acq: 17 Dec 2018 23:57

Tgt Ion: 59 Resp: 137

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

2.83

150

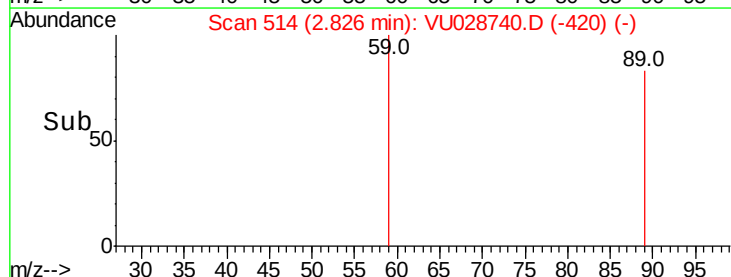
100

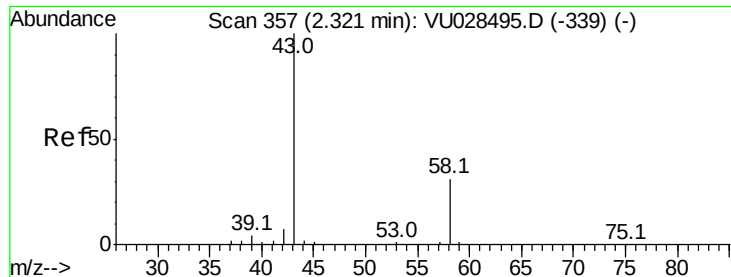
50

0

2.81 2.82 2.83 2.84

Time-->





#16

Acetone

Concen: 0.543 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU028740.D

Acq: 17 Dec 2018 23:57

Instrument :

MSVOA_U

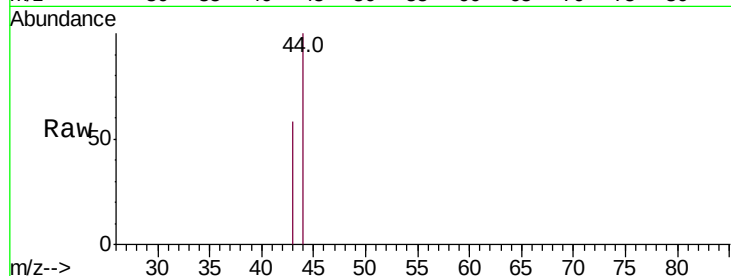
ClientSampleId :

Tot Ion: 43 Resp: 449

Ion Ratio Lower Upper

43 100

58 0.0 24.6 37.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

300

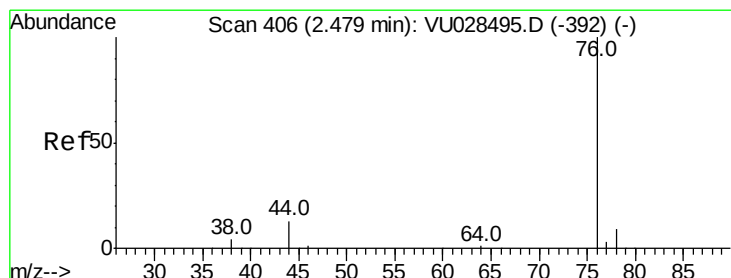
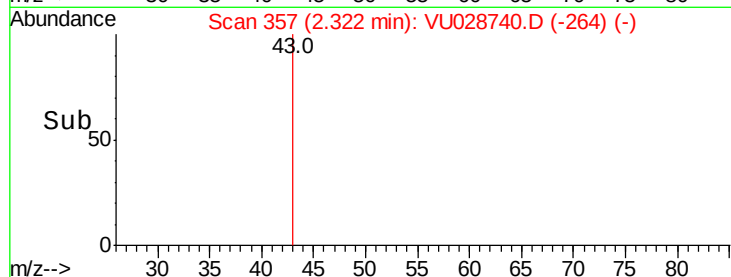
200

100

0

Time-->

2.30 2.32 2.34



#17

Carbon Disulfide

Concen: 0.245 ug/l

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU028740.D

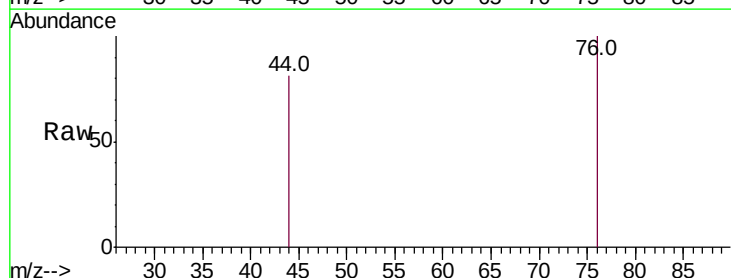
Acq: 17 Dec 2018 23:57

Tgt Ion: 76 Resp: 817

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

2.48

600

500

400

300

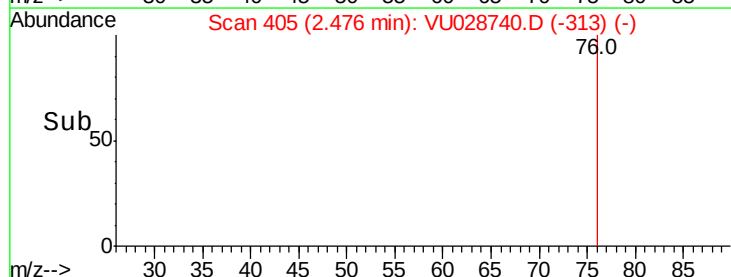
200

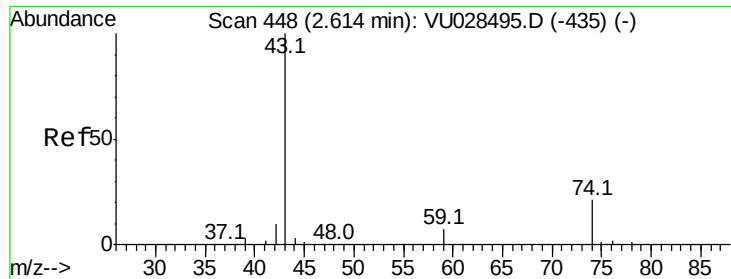
100

0

Time-->

2.44 2.46 2.48 2.50

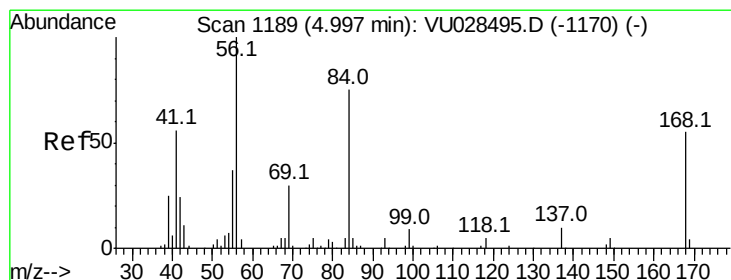
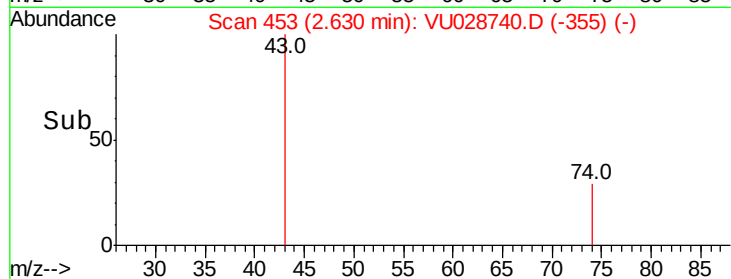
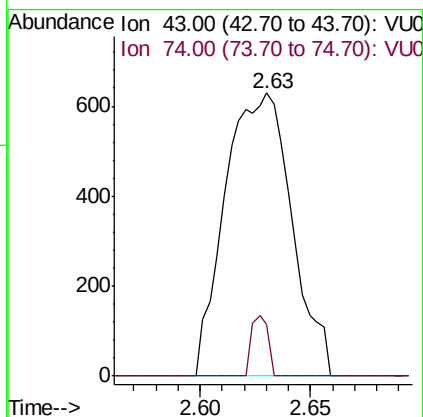
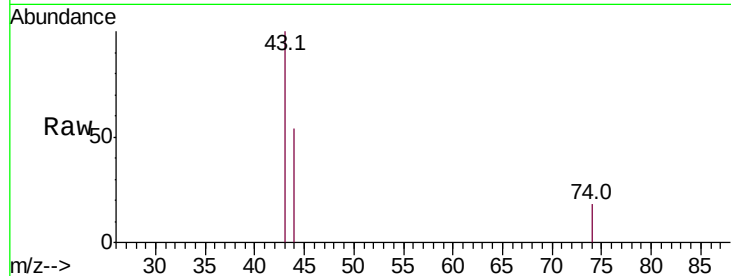




#18
Methvl Acetate
Concen: 0.613 ug/l
RT: 2.63 min Scan# 453
Delta R.T. 0.02 min
Lab File: VU028740.D
Acq: 17 Dec 2018 23:57

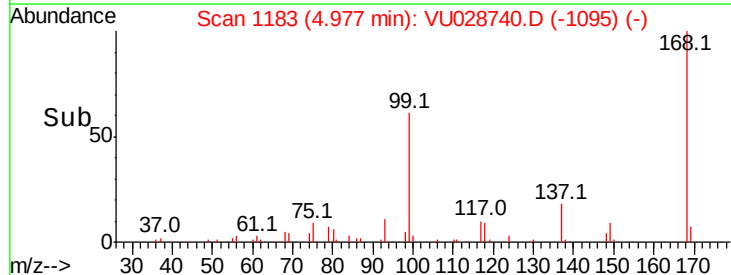
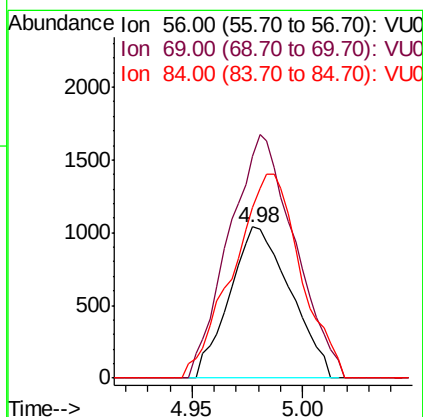
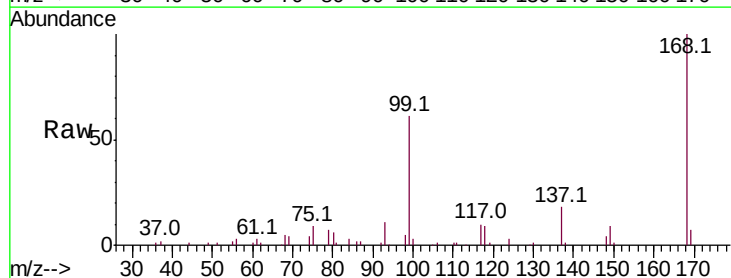
Instrument :
MSVOA_U
ClientSampleId :

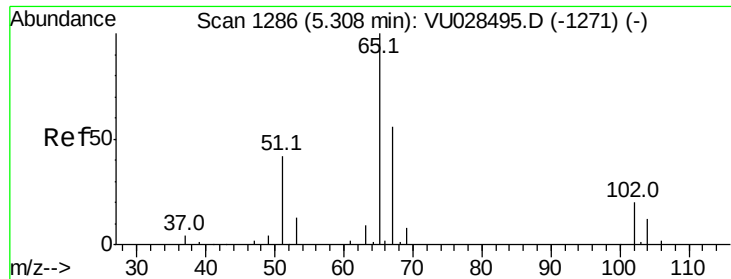
Tot Ion: 43 Resp: 1315
Ion Ratio Lower Upper
43 100
74 5.4 16.4 24.6#



#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1183
Delta R.T. -0.02 min
Lab File: VU028740.D
Acq: 17 Dec 2018 23:57

Tgt Ion: 56 Resp: 1989
Ion Ratio Lower Upper
56 100
69 146.9 24.0 36.0#
84 102.6 59.7 89.5#

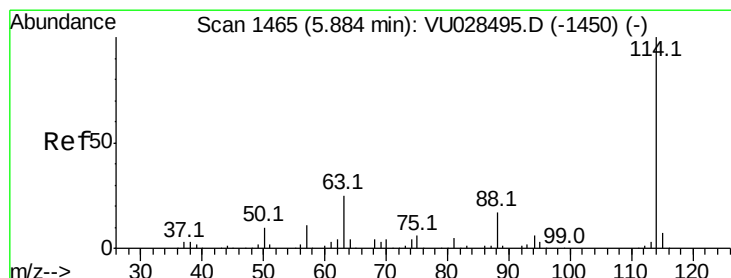
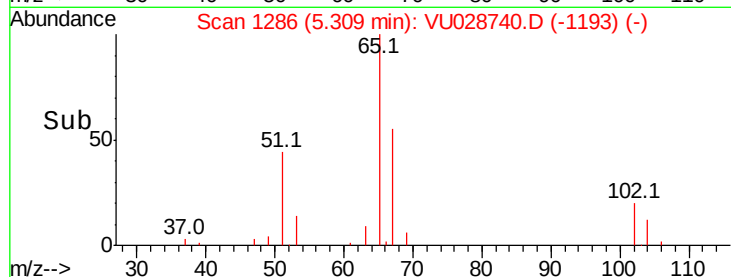
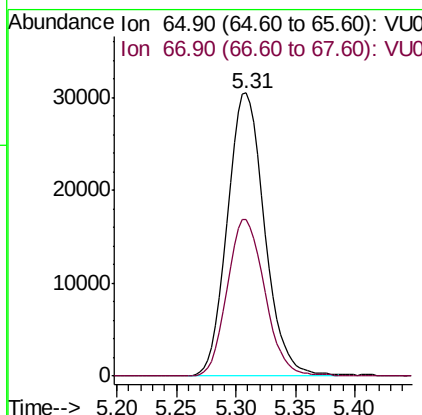
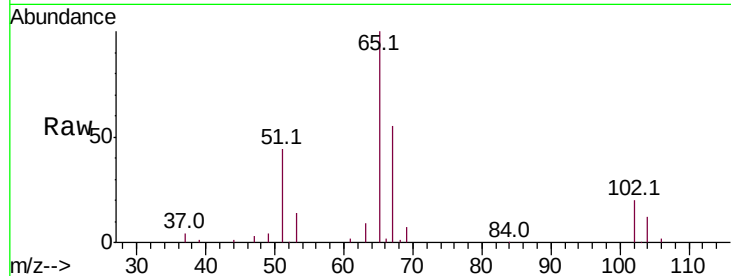




#33
 1,2-Dichloroethane-d4
 Concen: 52.314 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU028740.D
 Acq: 17 Dec 2018 23:57

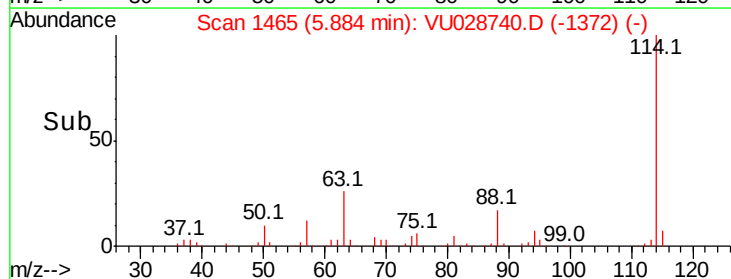
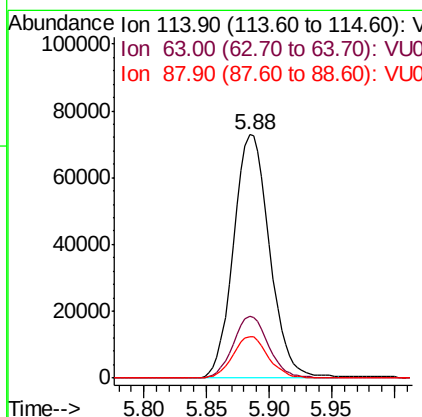
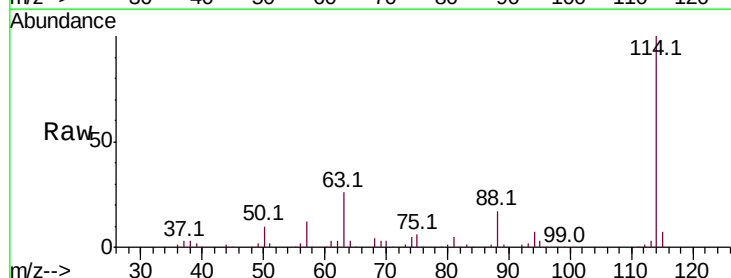
Instrument :
 MSVOA_U
 ClientSampleId :

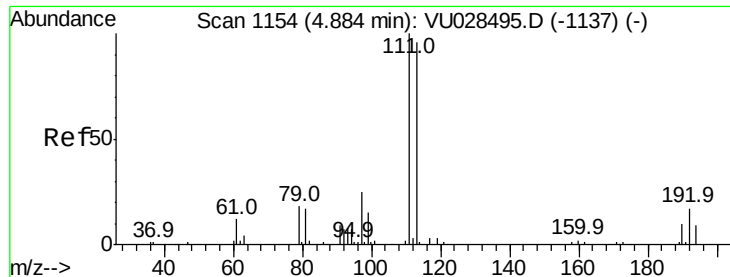
Tot Ion: 65 Resp: 66343
 Ion Ratio Lower Upper
 65 100
 67 55.9 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.88 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: VU028740.D
 Acq: 17 Dec 2018 23:57

Tgt Ion: 114 Resp: 146046
 Ion Ratio Lower Upper
 114 100
 63 25.6 0.0 49.2
 88 17.2 0.0 33.4





#35

Dibromofluoromethane

Concen: 54.408 ug/l

RT: 4.88 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VU028740.D

Acq: 17 Dec 2018 23:57

Instrument :
MSVOA_U
ClientSampleId :

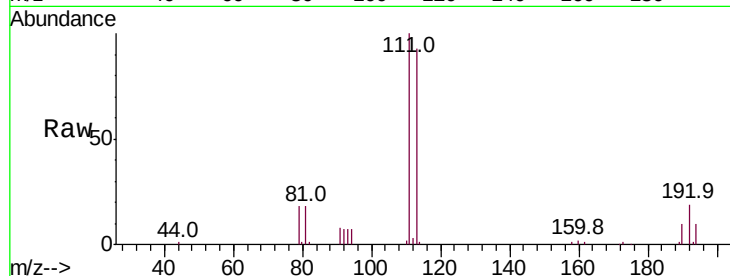
Tot Ion:113 Resp: 50005

Ion Ratio Lower Upper

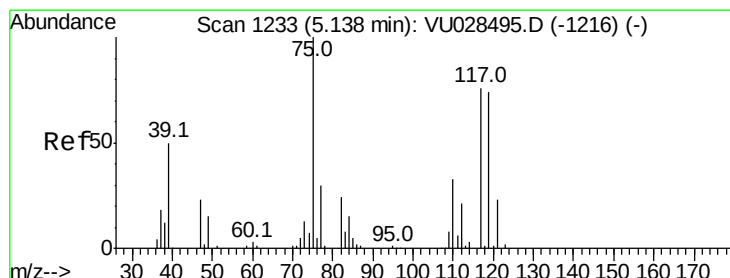
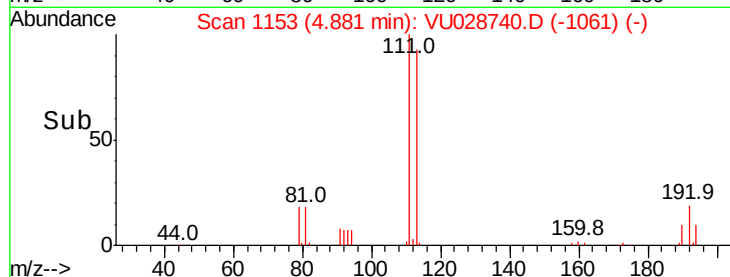
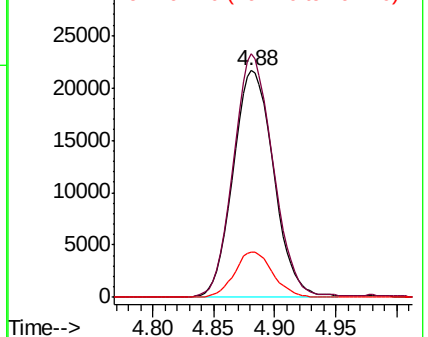
113 100

111 105.1 83.4 125.0

192 18.7 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: 4.524 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028740.D

Acq: 17 Dec 2018 23:57

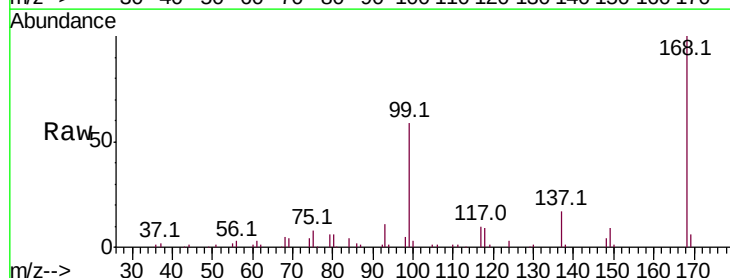
Tgt Ion: 75 Resp: 7230

Ion Ratio Lower Upper

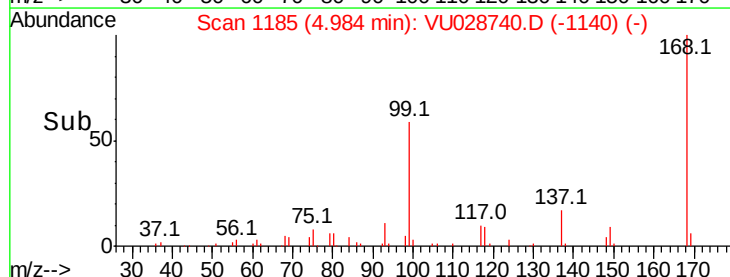
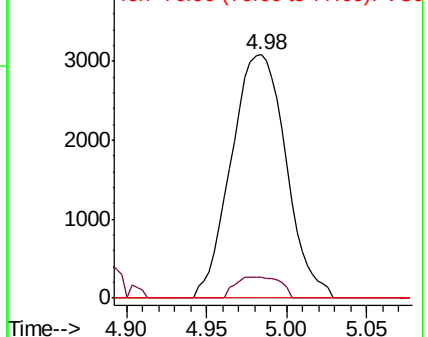
75 100

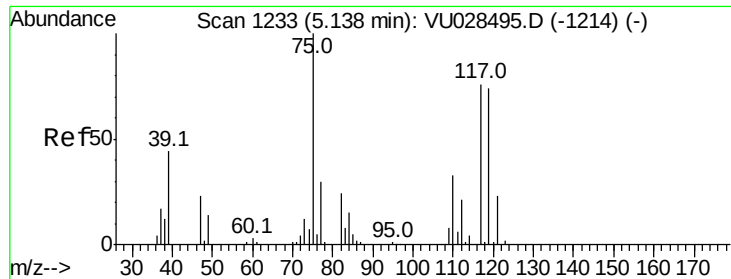
110 7.0 16.1 48.2#

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

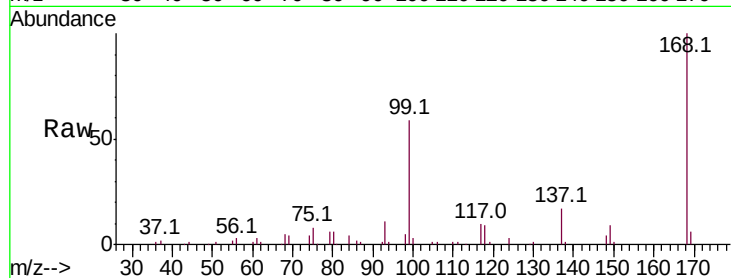




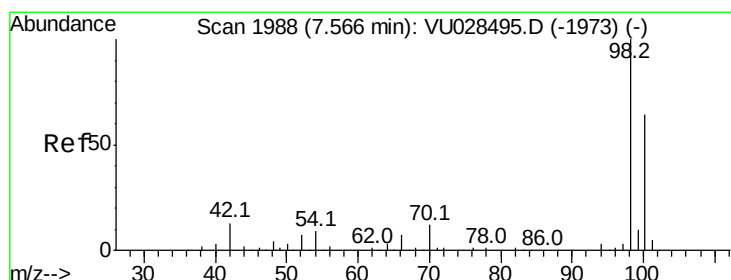
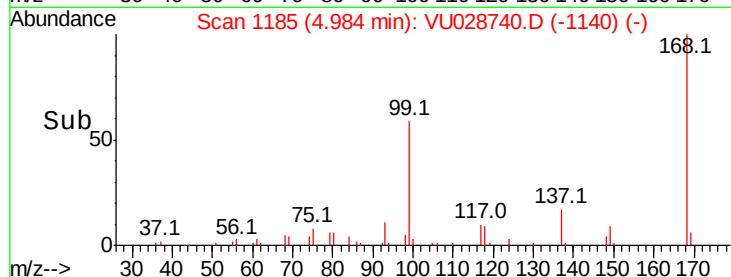
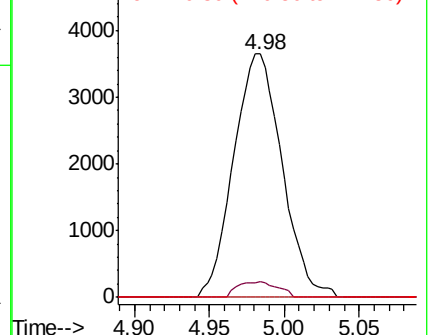
#38
Carbon Tetrachloride
Concen: 6.378 ug/l
RT: 4.98 min Scan# 1185
Delta R.T. -0.15 min
Lab File: VU028740.D
Acq: 17 Dec 2018 23:57

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 8216
Ion Ratio Lower Upper
117 100
119 6.4 77.6 116.4#
121 0.0 24.6 36.8#

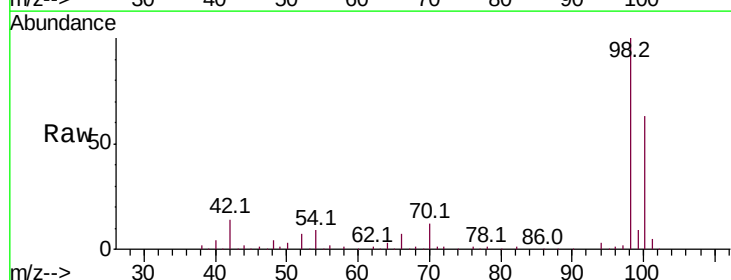


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

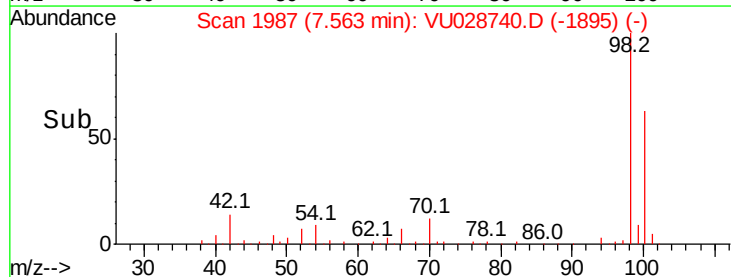
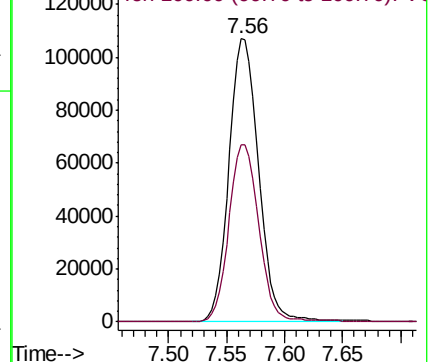


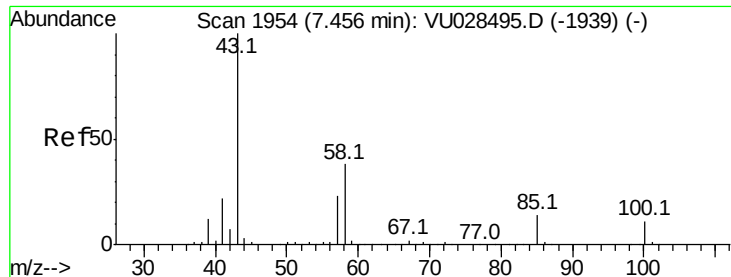
#50
Toluene-d8
Concen: 52.470 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VU028740.D
Acq: 17 Dec 2018 23:57

Tgt Ion: 98 Resp: 190765
Ion Ratio Lower Upper
98 100
100 63.3 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: 0.207 ug/l

RT: 7.47 min Scan# 1958

Delta R.T. 0.01 min

Lab File: VU028740.D

Acq: 17 Dec 2018 23:57

Instrument :

MSVOA_U

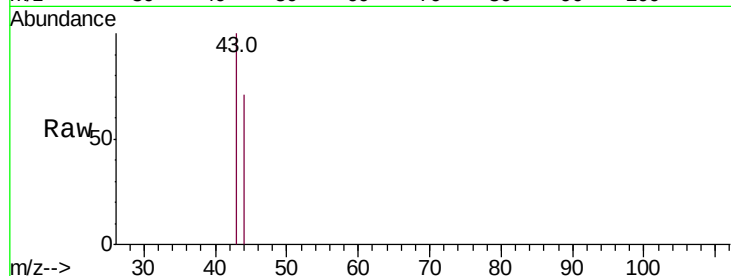
ClientSampleId :

Tot Ion: 43 Resp: 426

Ion Ratio Lower Upper

43 100

58 0.0 30.2 45.2#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

7.47

300

200

100

0

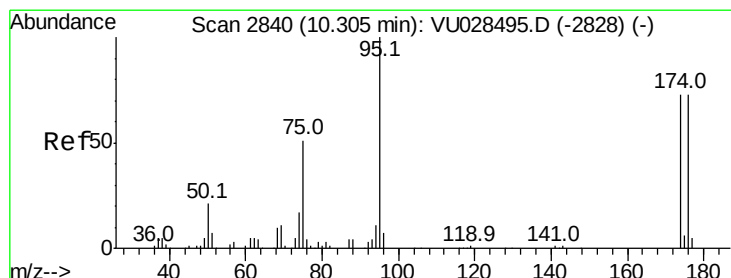
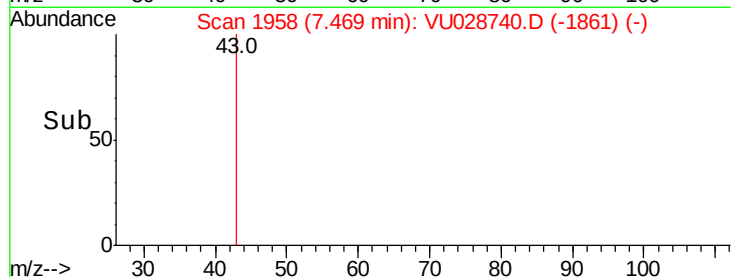
7.44

7.46

7.48

7.50

Time-->



#62

4-Bromofluorobenzene

Concen: 45.653 ug/l

RT: 10.31 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU028740.D

Acq: 17 Dec 2018 23:57

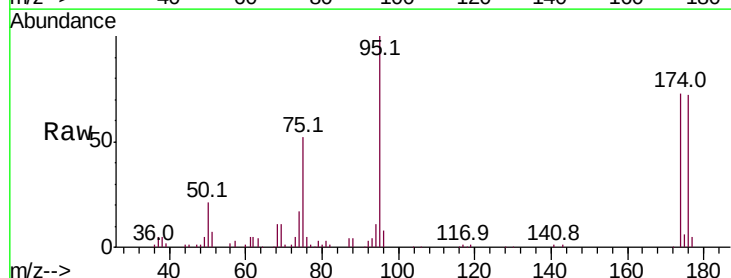
Tgt Ion: 95 Resp: 62038

Ion Ratio Lower Upper

95 100

174 75.5 0.0 150.4

176 72.9 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

50000

40000

30000

20000

10000

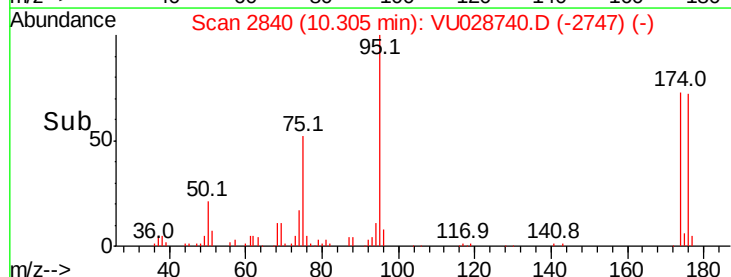
0

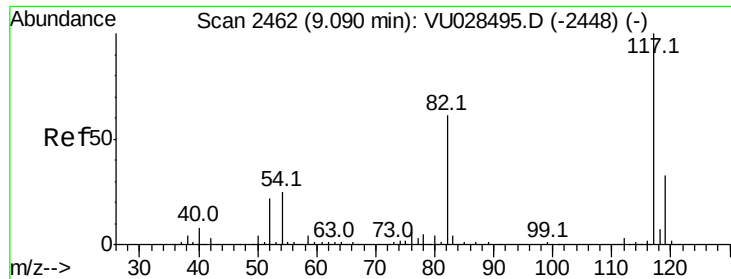
10.30

10.31

10.40

Time-->

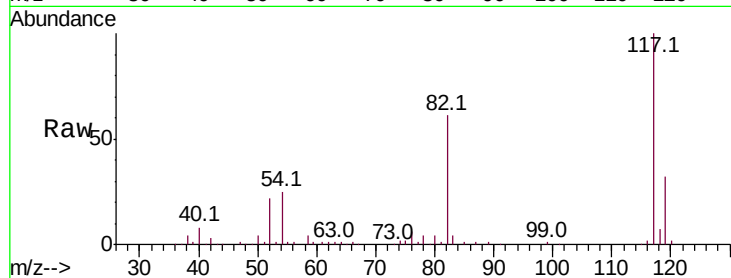




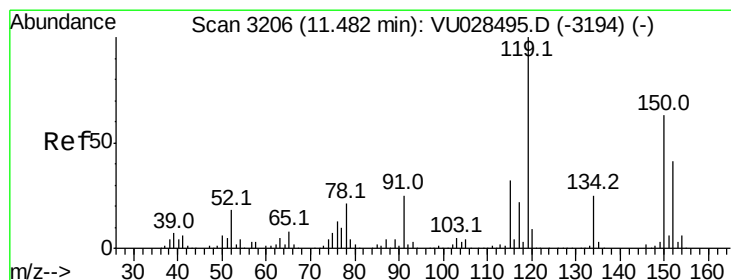
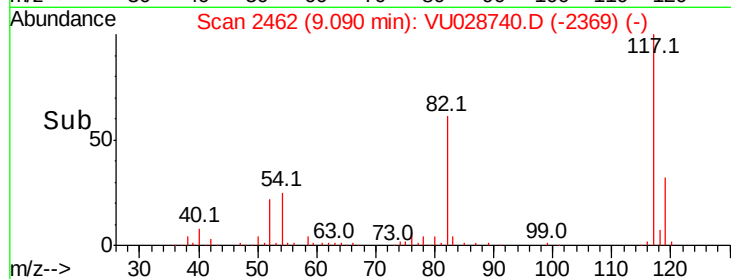
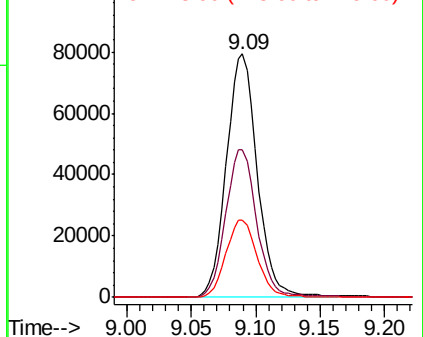
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028740.D
Acq: 17 Dec 2018 23:57

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 132270
Ion Ratio Lower Upper
117 100
82 60.8 48.9 73.3
119 32.0 26.2 39.4

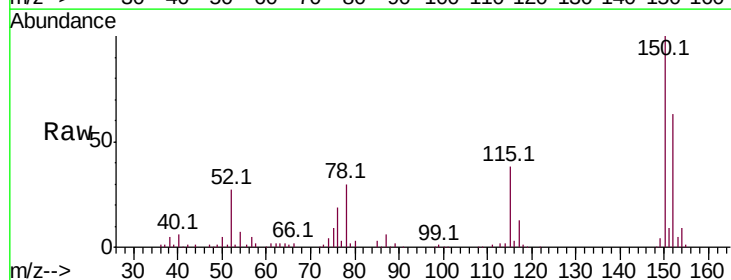


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VU0
Ion 118.90 (118.60 to 119.60): V

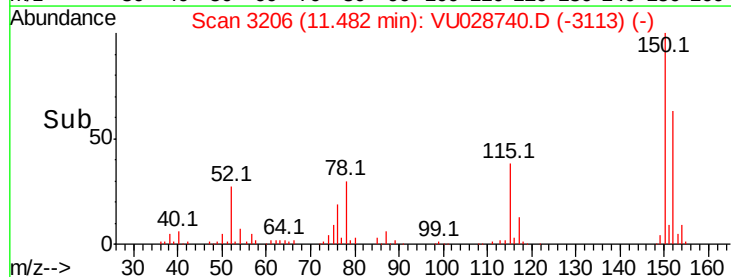
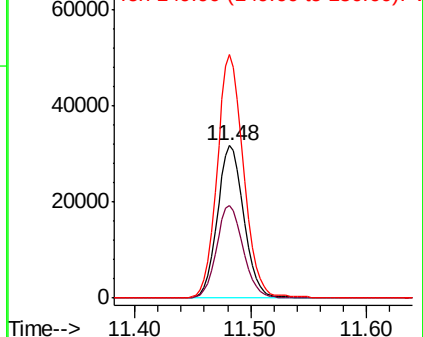


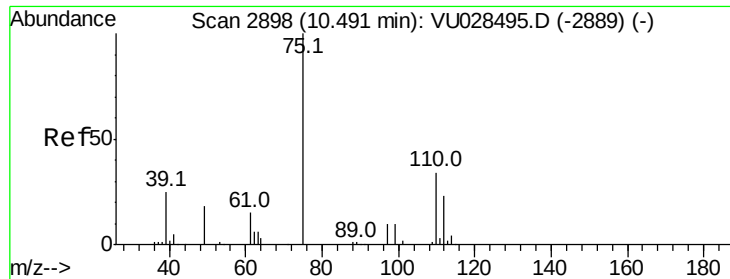
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. 0.00 min
Lab File: VU028740.D
Acq: 17 Dec 2018 23:57

Tgt Ion:152 Resp: 50499
Ion Ratio Lower Upper
152 100
115 61.0 42.7 128.1
150 159.1 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: 25.131 ug/l

RT: 10.31 min Scan# 2840

Delta R.T. -0.19 min

Lab File: VU028740.D

Acq: 17 Dec 2018 23:57

Instrument :

MSVOA_U

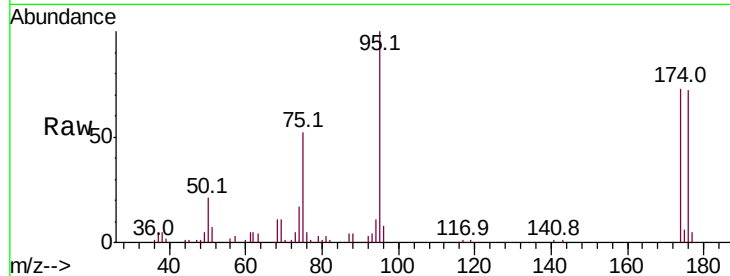
ClientSampleId :

Tot Ion: 75 Resp: 32406

Ion Ratio Lower Upper

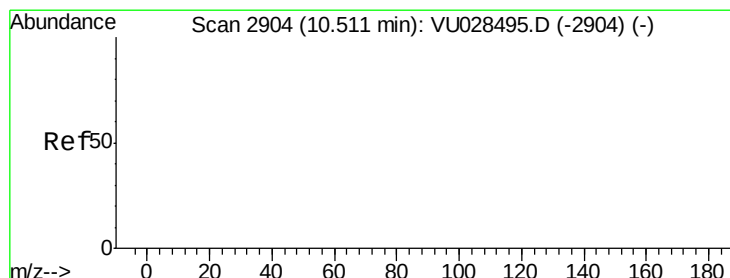
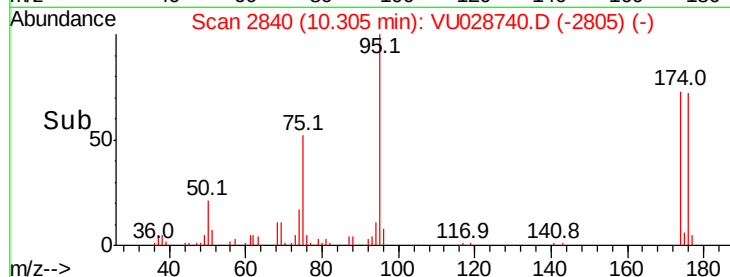
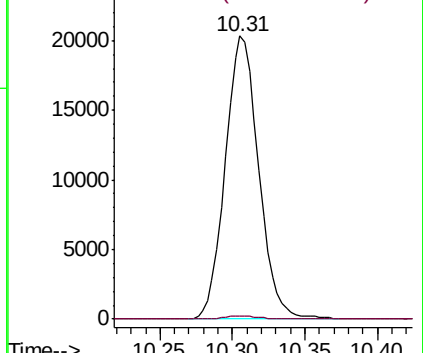
75 100

77 1.1 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: 61.665 ug/l

RT: 10.31 min Scan# 2840

Delta R.T. -0.20 min

Lab File: VU028740.D

Acq: 17 Dec 2018 23:57

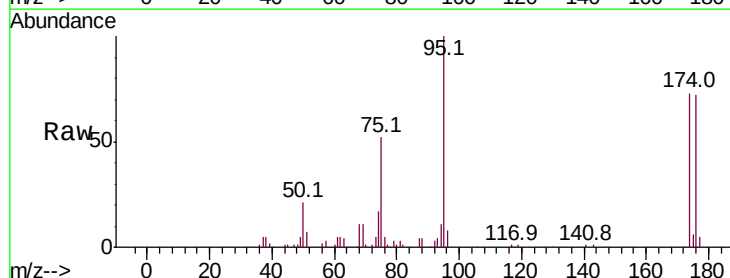
Tgt Ion: 75 Resp: 32406

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

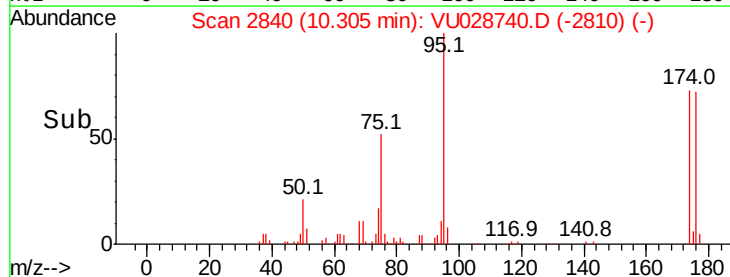
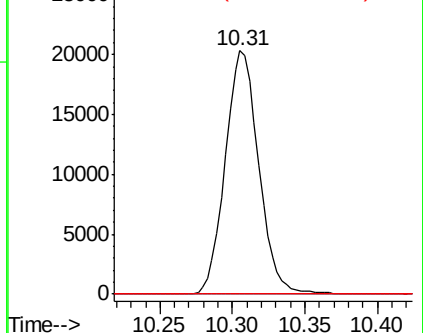
89 0.0 0.0 0.0

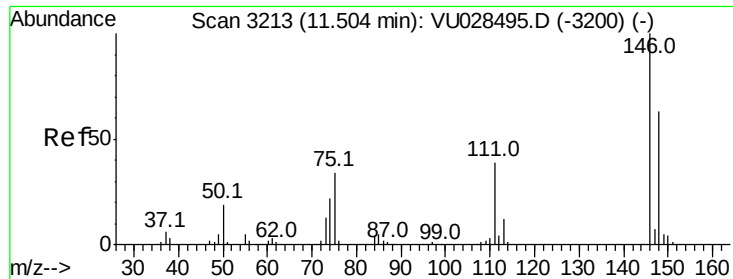


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0





#88

1,4-Dichlorobenzene

Concen: 0.233 ug/l

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU028740.D

Acq: 17 Dec 2018 23:57

Instrument :

MSVOA_U

ClientSampleId :

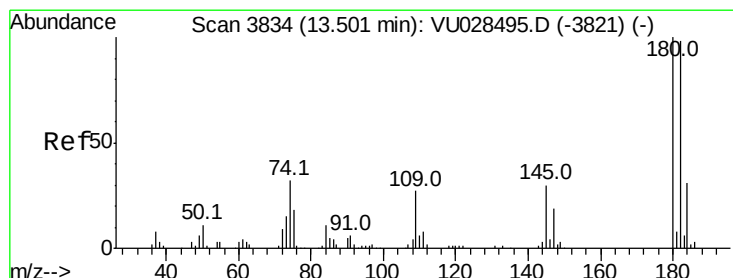
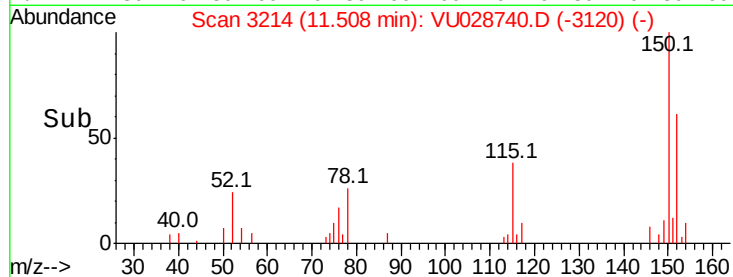
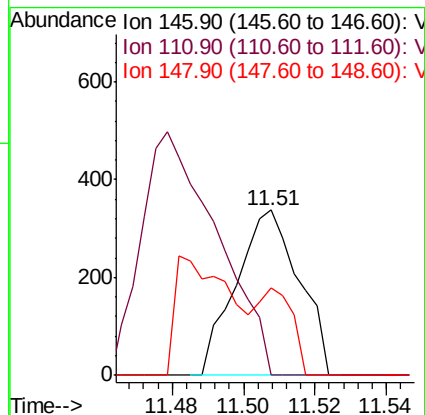
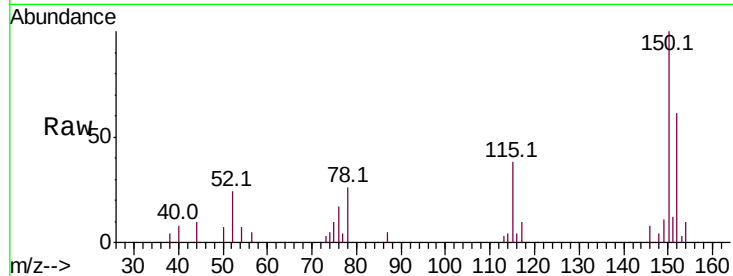
Tot Ion:146 Resp: 412

Ion Ratio Lower Upper

146 100

111 0.0 20.2 60.5#

148 28.9 31.6 95.0#



#93

1,2,4-Trichlorobenzene

Concen: 1.022 ug/l

RT: 13.51 min Scan# 3836

Delta R.T. 0.01 min

Lab File: VU028740.D

Acq: 17 Dec 2018 23:57

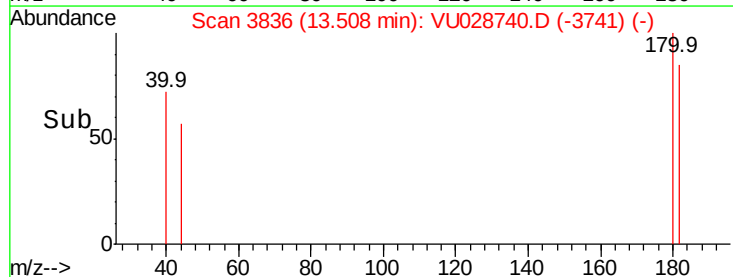
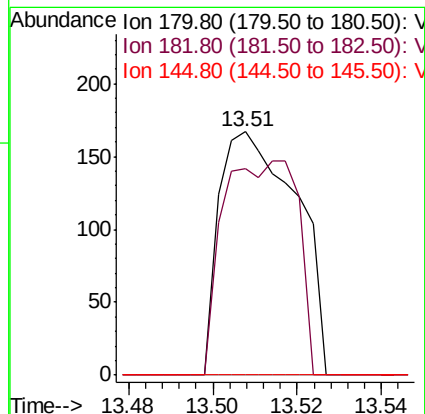
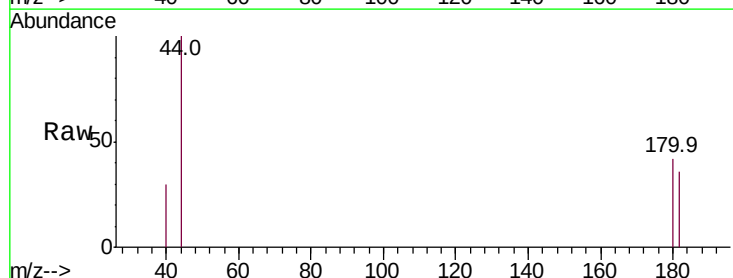
Tgt Ion:180 Resp: 213

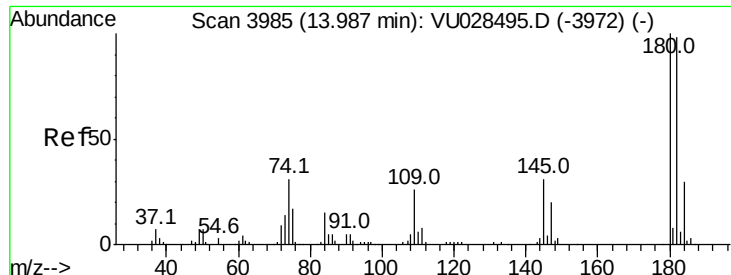
Ion Ratio Lower Upper

180 100

182 85.0 47.9 143.8

145 0.0 15.0 45.1#





#96

1,2,3-Trichlorobenzene

Concen: 0.293 ug/l

RT: 13.99 min Scan# 3987

Delta R.T. 0.01 min

Lab File: VU028740.D

Acq: 17 Dec 2018 23:57

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:180 Resp: 172

Ion Ratio Lower Upper

180 100

182 160.5 48.2 144.6#

145 0.0 15.8 47.3#

