

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121718\
 Data File : VU028724.D
 Acq On : 17 Dec 2018 16:43
 Operator : MD/SY
 Sample : J6446-07
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 18 03:09:14 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

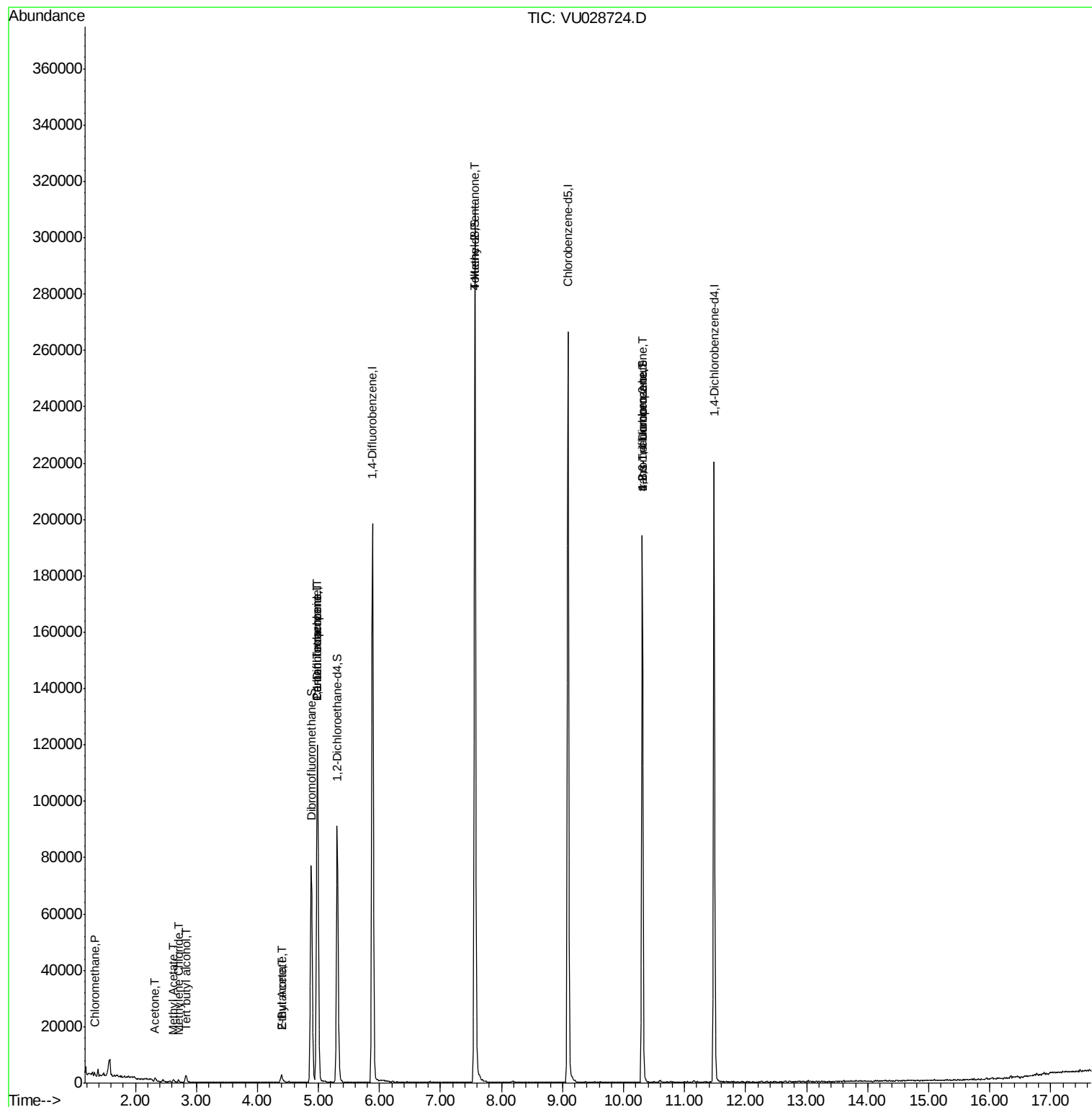
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	90484	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	160328	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	141841	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	53496	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	70245	50.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.74%	
35) Dibromofluoromethane	4.88	113	53946	53.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.94%	
50) Toluene-d8	7.57	98	203948	51.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.20%	
62) 4-Bromofluorobenzene	10.31	95	64700	43.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.74%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.33	50	1146	0.514	ug/l	96
11) Tert butyl alcohol	2.83	59	3106	10.096	ug/l #	91
16) Acetone	2.32	43	1501	1.666	ug/l #	80
18) Methyl Acetate	2.62	43	1307	0.560	ug/l #	73
20) Methylene Chloride	2.71	84	295	0.222	ug/l #	81
25) 2-Butanone	4.39	43	4533	3.681	ug/l #	52
31) Cyclohexane	4.98	56	2080	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	8025	4.574	ug/l #	49
37) Ethyl Acetate	4.39	43	4533	1.999	ug/l #	90
38) Carbon Tetrachloride	4.99	117	8624	6.099	ug/l #	16
51) 4-Methyl-2-Pentanone	7.56	43	1096	0.484	ug/l #	1
76) 1,2,3-Trichloropropane	10.31	75	33811	24.751	ug/l #	35
81) trans-1,4-Dichloro-2-buten	10.31	75	33811	60.742	ug/l #	100

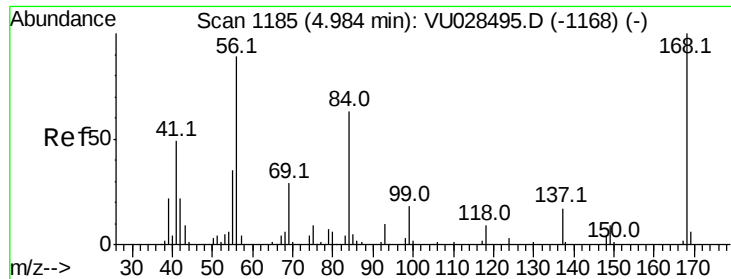
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 07 00:39:42 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU028724.D

Acq: 17 Dec 2018 16:43

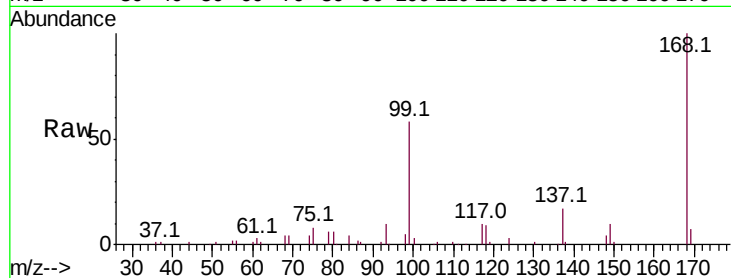
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 90484

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): VU028495.D (-1168) (-)

4.98

40000

30000

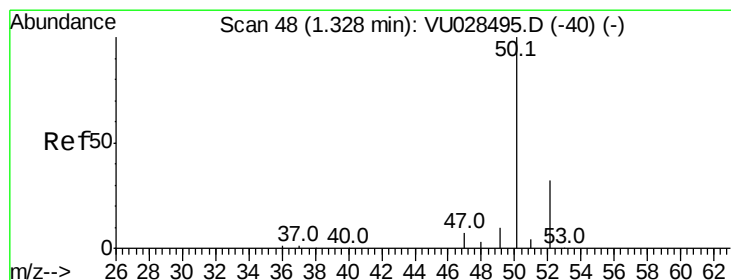
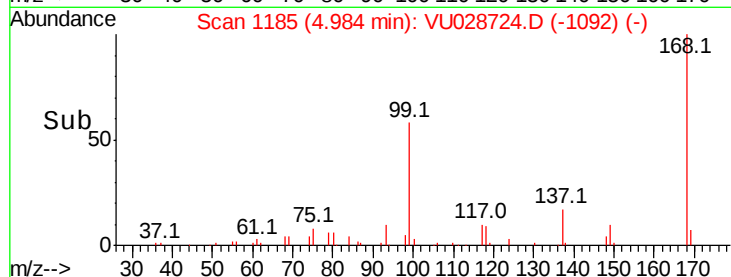
20000

10000

0

4.90 4.95 5.00 5.05 5.10

Time-->



#3

Chloromethane

Concen: 0.514 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU028724.D

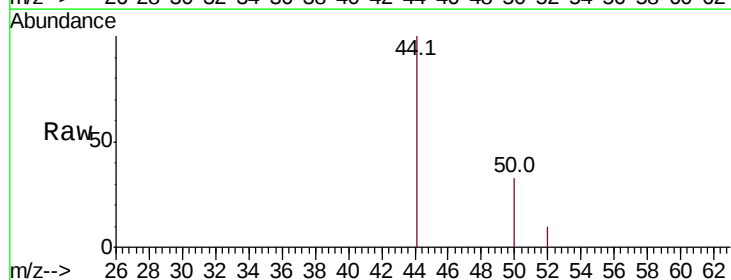
Acq: 17 Dec 2018 16:43

Tgt Ion: 50 Resp: 1146

Ion Ratio Lower Upper

50 100

52 29.5 25.5 38.3



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

Ion 51.90 (51.60 to 52.60): VU028495.D (-40) (-)

1.33

1000

800

600

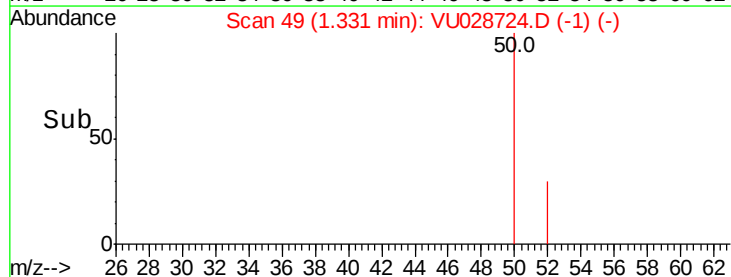
400

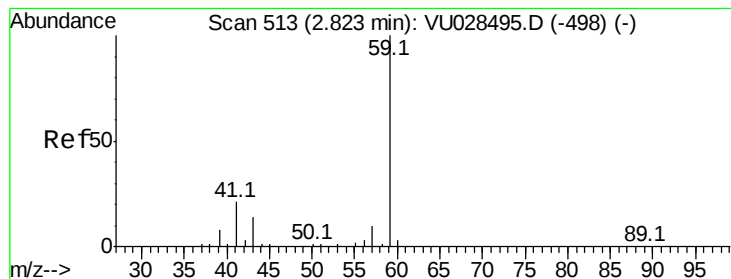
200

0

1.30 1.35

Time-->





#11

Tert butyl alcohol

Concen: 10.096 ug/l

RT: 2.83 min Scan# 514

Delta R.T. 0.00 min

Lab File: VU028724.D

Acq: 17 Dec 2018 16:43

Instrument :

MSVOA_U

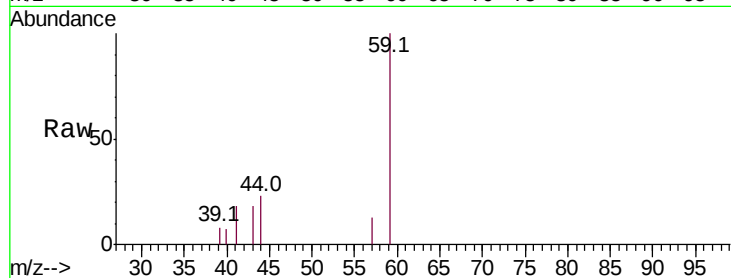
ClientSampled :

Tot Ion: 59 Resp: 3106

Ion Ratio Lower Upper

59 100

57 6.8 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

1500

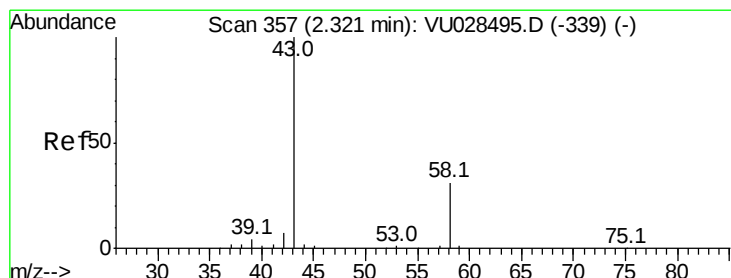
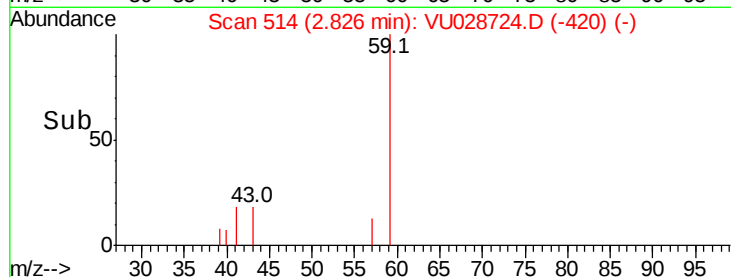
1000

500

0

2.80 2.85 2.90

Time-->



#16

Acetone

Concen: 1.666 ug/l

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU028724.D

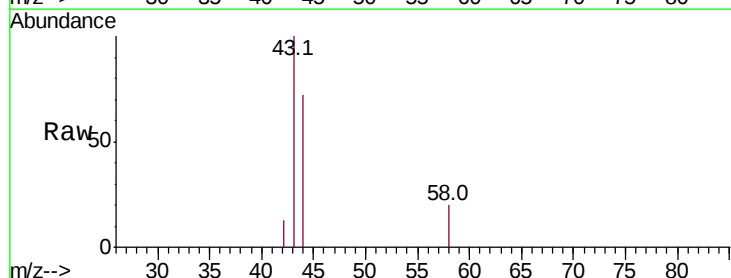
Acq: 17 Dec 2018 16:43

Tgt Ion: 43 Resp: 1501

Ion Ratio Lower Upper

43 100

58 19.9 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

1000

800

600

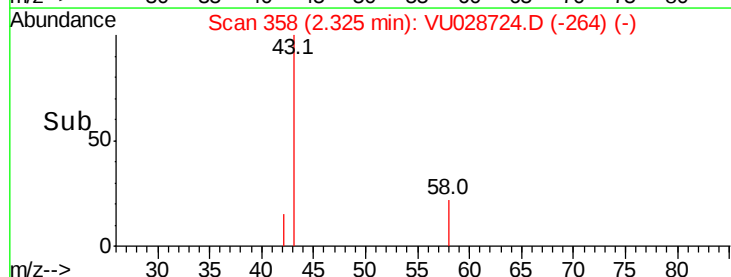
400

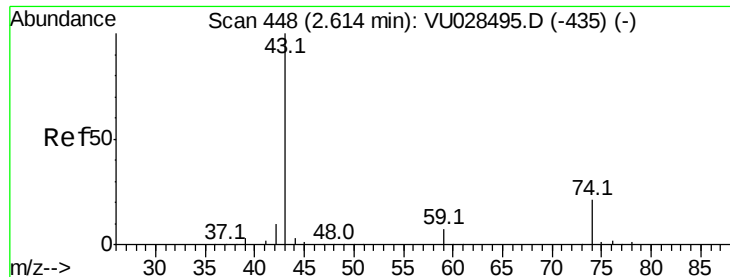
200

0

2.30 2.35

Time-->





#18

Methyl Acetate

Concen: 0.560 ug/l

RT: 2.62 min Scan# 450

Delta R.T. 0.01 min

Lab File: VU028724.D

Acq: 17 Dec 2018 16:43

Instrument :

MSVOA_U

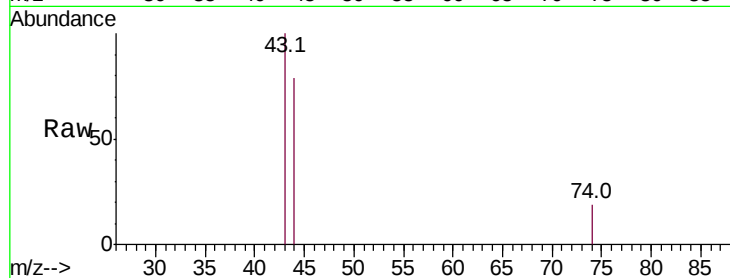
ClientSampleId :

Tot Ion: 43 Resp: 1307

Ion Ratio Lower Upper

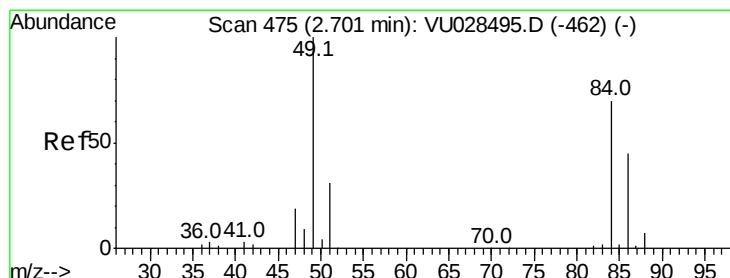
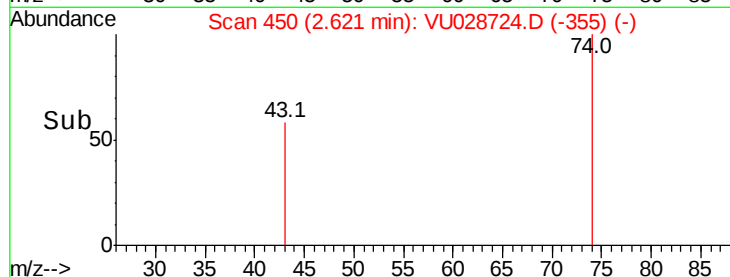
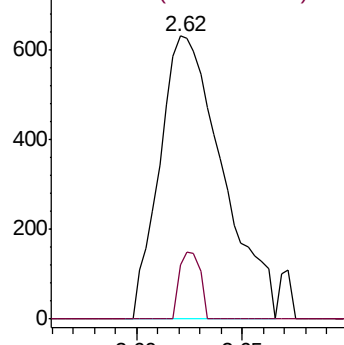
43 100

74 7.8 16.4 24.6#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



#20

Methylene Chloride

Concen: 0.222 ug/l

RT: 2.71 min Scan# 477

Delta R.T. 0.01 min

Lab File: VU028724.D

Acq: 17 Dec 2018 16:43

Tgt Ion: 84 Resp: 295

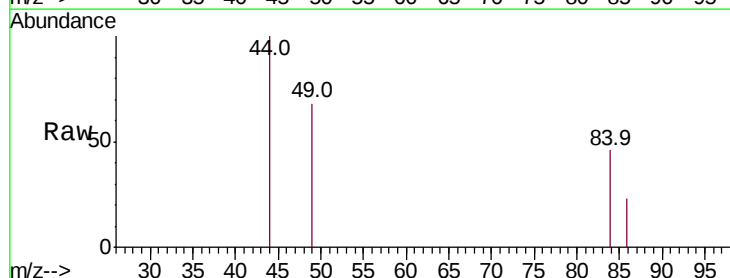
Ion Ratio Lower Upper

84 100

49 148.3 114.0 171.0

51 0.0 35.1 52.7#

86 50.8 51.0 76.6#

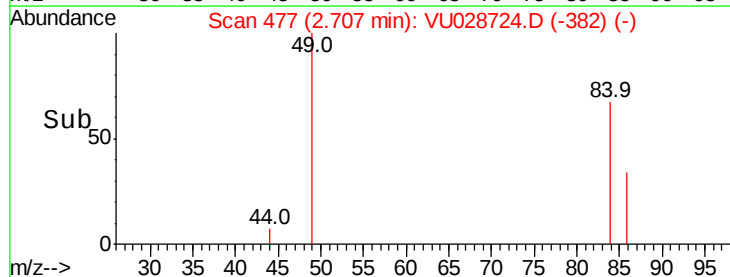
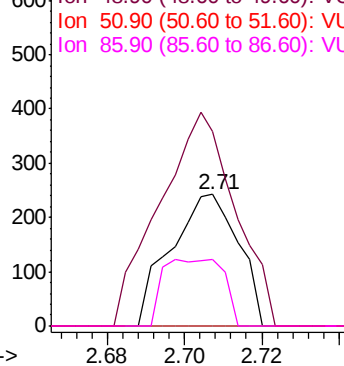


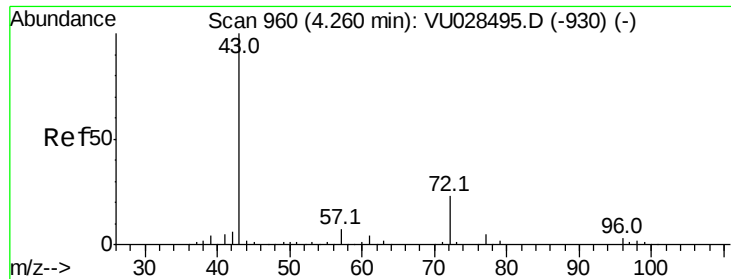
Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0





#25

2-Butanone

Concen: 3.681 ug/l

RT: 4.39 min Scan# 1001

Delta R.T. 0.13 min

Lab File: VU028724.D

Acq: 17 Dec 2018 16:43

Instrument :

MSVOA_U

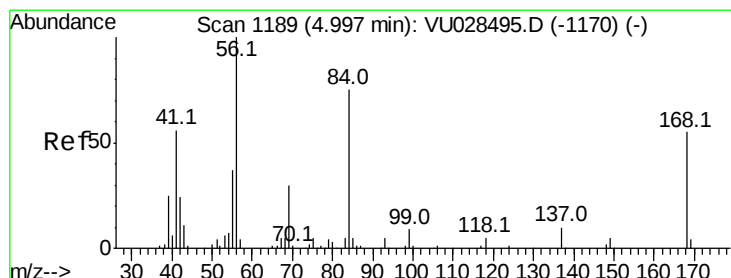
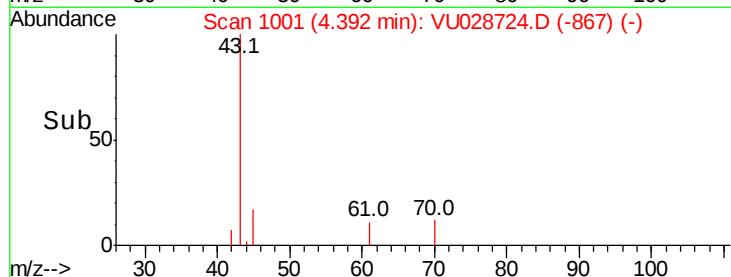
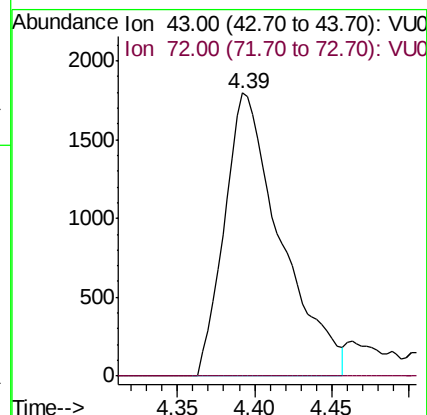
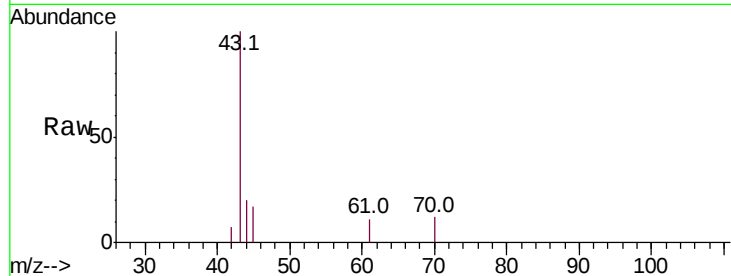
ClientSampleId :

Tot Ion: 43 Resp: 4533

Ion Ratio Lower Upper

43 100

72 0.0 18.6 28.0#



#31

Cyclohexane

Concen: Below Cal

RT: 4.98 min Scan# 1184

Delta R.T. -0.02 min

Lab File: VU028724.D

Acq: 17 Dec 2018 16:43

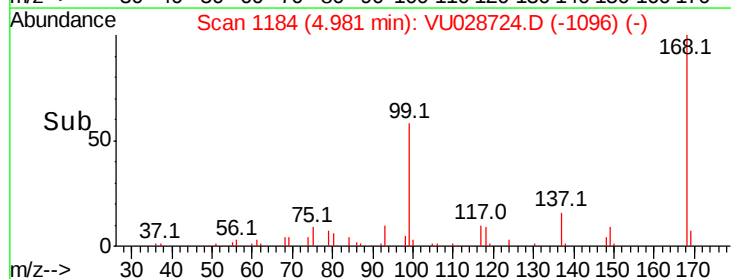
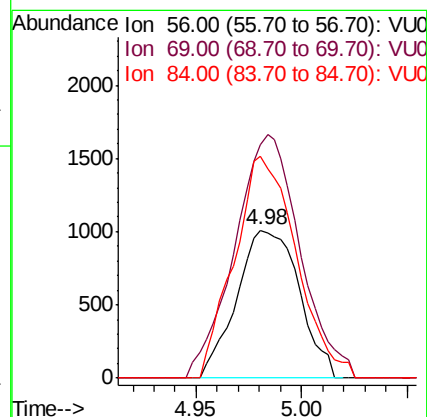
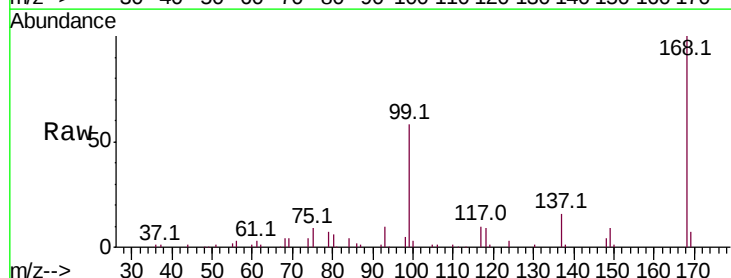
Tgt Ion: 56 Resp: 2080

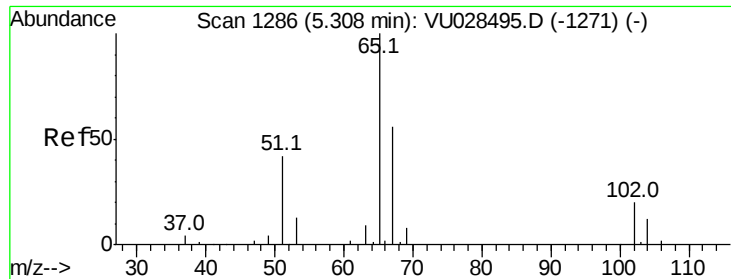
Ion Ratio Lower Upper

56 100

69 146.2 24.0 36.0#

84 149.4 59.7 89.5#

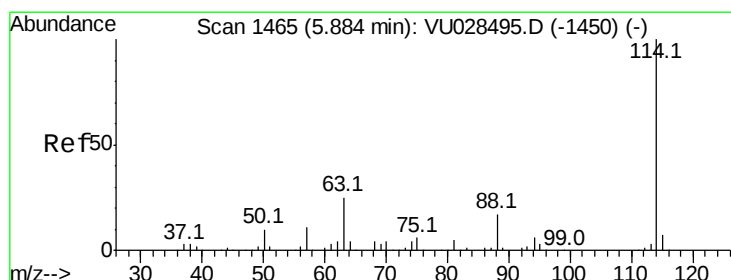
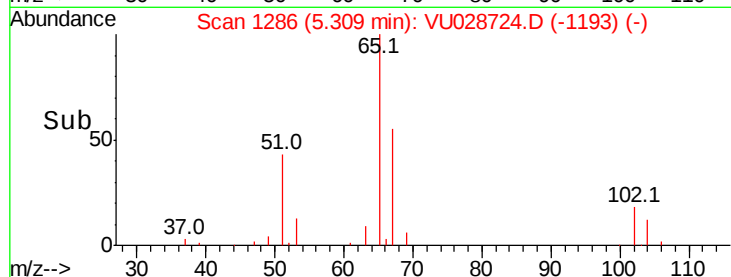
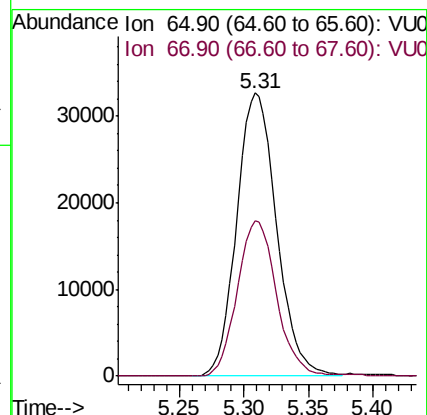
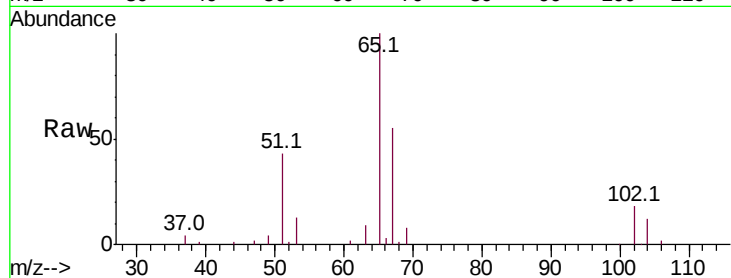




#33
 1,2-Dichloroethane-d4
 Concen: 50.871 ug/l
 RT: 5.31 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VU028724.D
 Acq: 17 Dec 2018 16:43

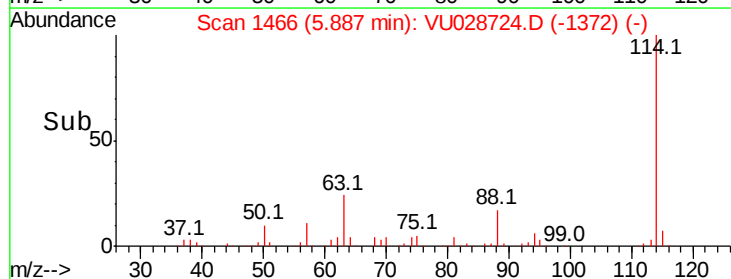
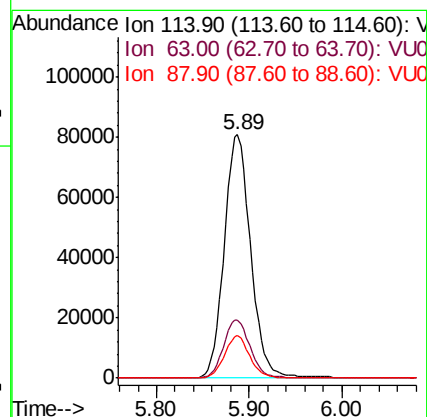
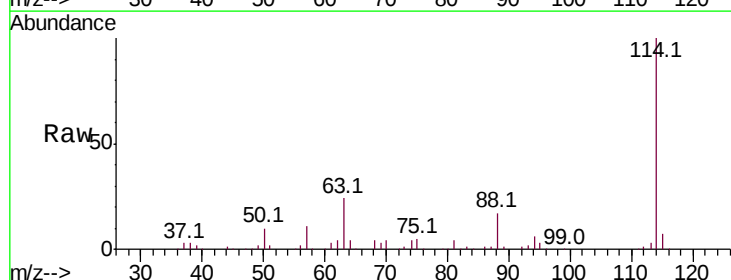
Instrument :
 MSVOA_U
 ClientSampleId :

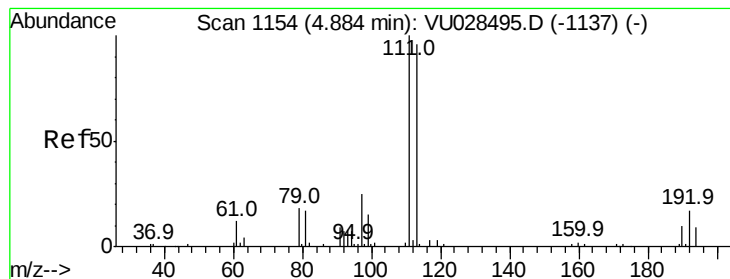
Tot Ion: 65 Resp: 70245
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: VU028724.D
 Acq: 17 Dec 2018 16:43

Tgt Ion:114 Resp: 160328
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 49.2
 88 17.3 0.0 33.4





#35

Dibromofluoromethane

Concen: 53.467 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VU028724.D

Acq: 17 Dec 2018 16:43

Instrument :
MSVOA_U
ClientSampleId :

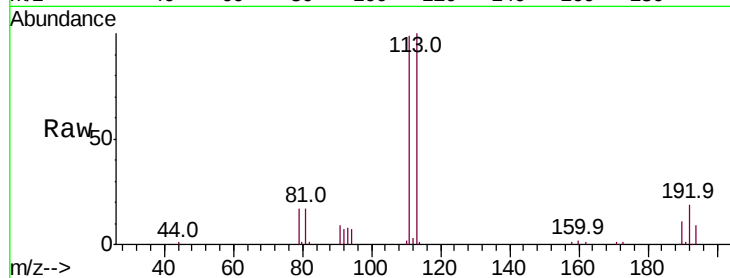
Tot Ion:113 Resp: 53946

Ion Ratio Lower Upper

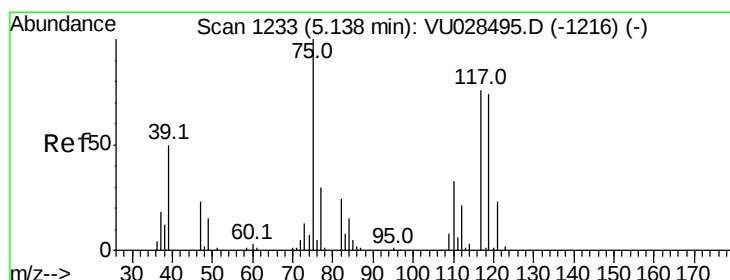
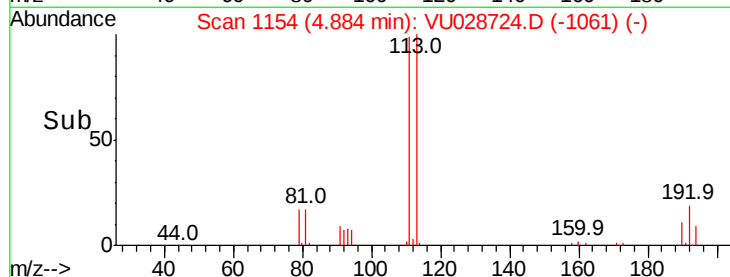
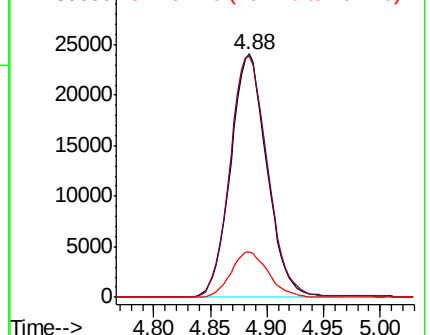
113 100

111 102.3 83.4 125.0

192 19.1 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: 4.574 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028724.D

Acq: 17 Dec 2018 16:43

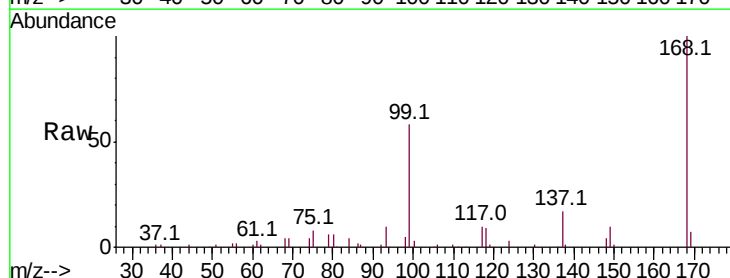
Tgt Ion: 75 Resp: 8025

Ion Ratio Lower Upper

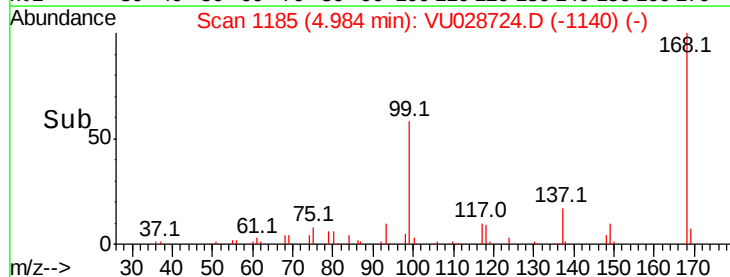
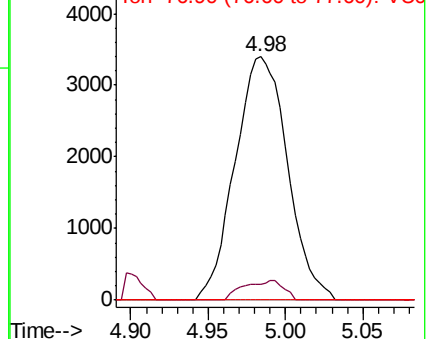
75 100

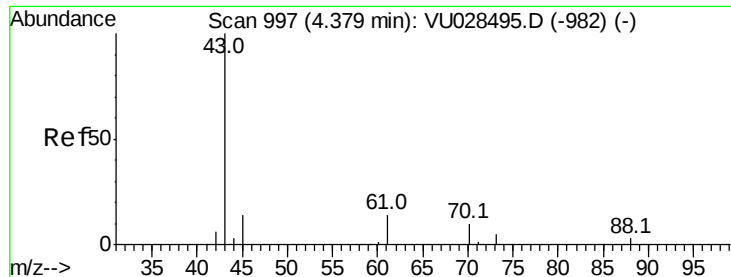
110 6.1 16.1 48.2#

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





#37

Ethyl Acetate

Concen: 1.999 ug/l

RT: 4.39 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VU028724.D

Acq: 17 Dec 2018 16:43

Instrument :

MSVOA_U

ClientSampleId :

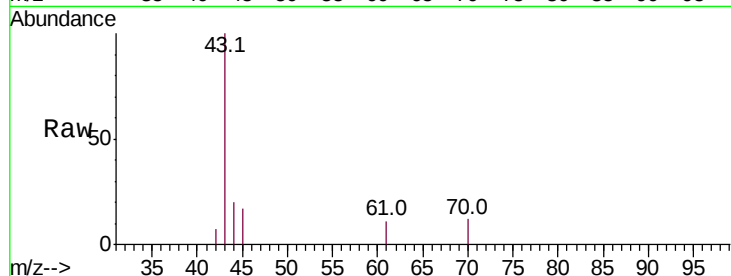
Tot Ion: 43 Resp: 4533

Ion Ratio Lower Upper

43 100

61 11.4 11.0 16.4

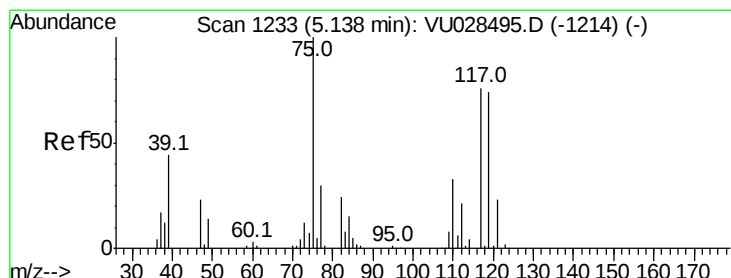
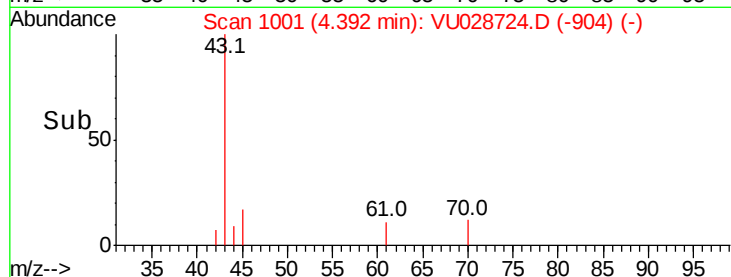
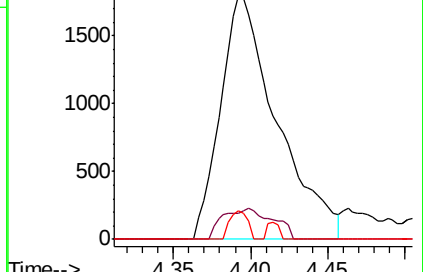
70 3.5 7.4 11.0#



Abundance Ion 43.00 (42.70 to 43.70): VU028495.D (-982) (-)

Ion 60.90 (60.60 to 61.60): VU028495.D (-982) (-)

Ion 70.00 (69.70 to 70.70): VU028495.D (-982) (-)



#38

Carbon Tetrachloride

Concen: 6.099 ug/l

RT: 4.99 min Scan# 1186

Delta R.T. -0.15 min

Lab File: VU028724.D

Acq: 17 Dec 2018 16:43

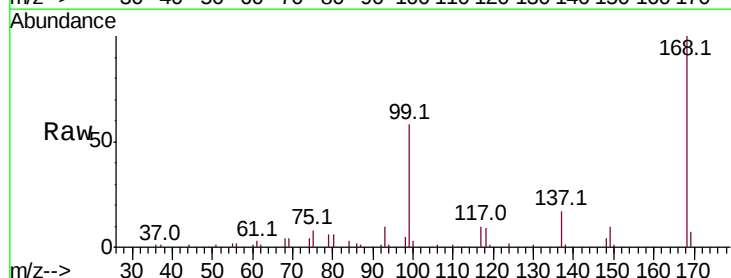
Tgt Ion: 117 Resp: 8624

Ion Ratio Lower Upper

117 100

119 5.3 77.6 116.4#

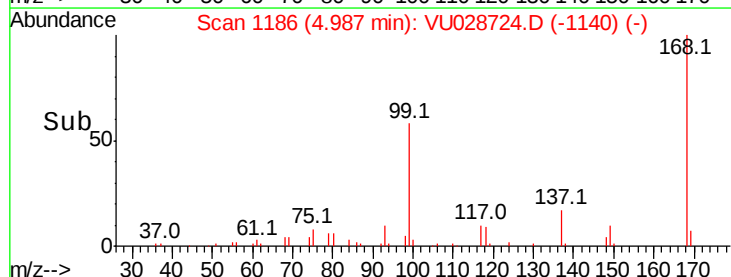
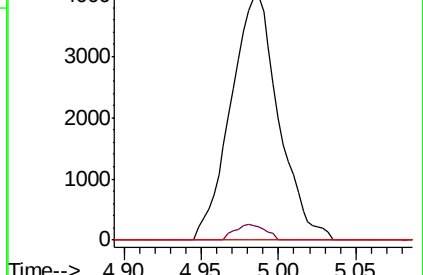
121 0.0 24.6 36.8#

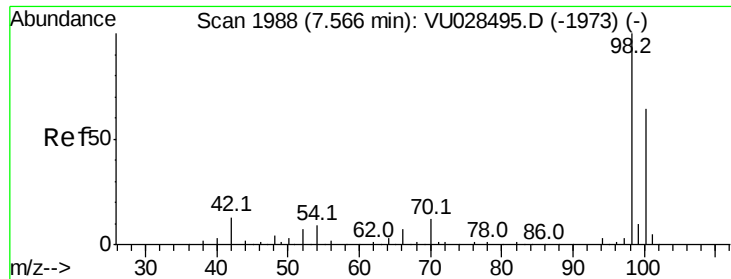


Abundance Ion 116.80 (116.50 to 117.50): VU028495.D (-1214) (-)

Ion 118.80 (118.50 to 119.50): VU028495.D (-1214) (-)

Ion 120.80 (120.50 to 121.50): VU028495.D (-1214) (-)





#50

Toluene-d8

Concen: 51.099 ug/l

RT: 7.57 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VU028724.D

Acq: 17 Dec 2018 16:43

Instrument :

MSVOA_U

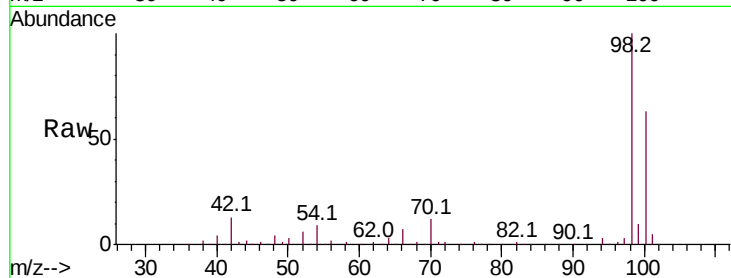
ClientSampleId :

Tot Ion: 98 Resp: 203948

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) (-)

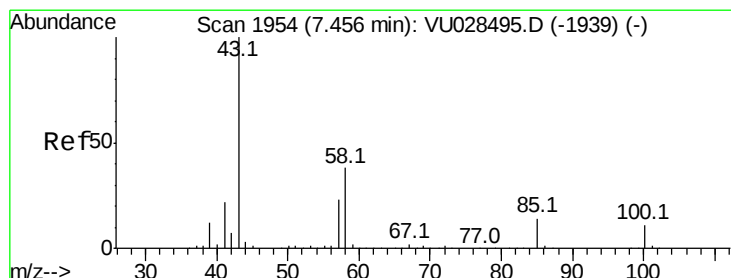
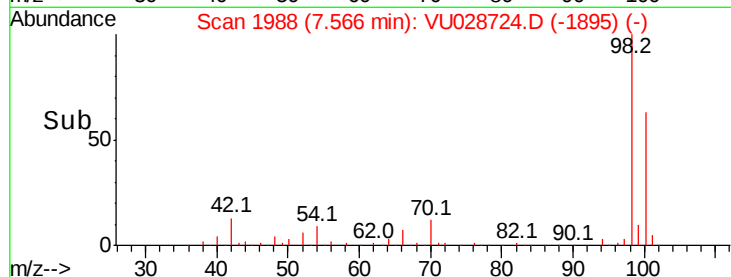
7.57

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.484 ug/l

RT: 7.56 min Scan# 1987

Delta R.T. 0.11 min

Lab File: VU028724.D

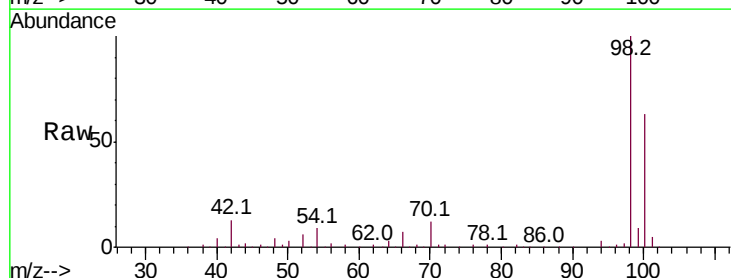
Acq: 17 Dec 2018 16:43

Tgt Ion: 43 Resp: 1096

Ion Ratio Lower Upper

43 100

58 176.5 30.2 45.2#



Abundance Ion 43.00 (42.70 to 43.70): VU028724.D (-1861) (-)

Ion 58.00 (57.70 to 58.70): VU028724.D (-1861) (-)

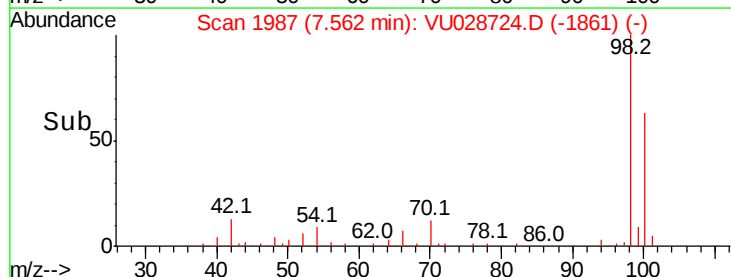
7.56

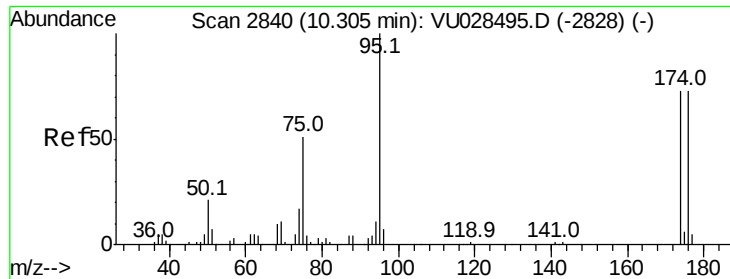
1000

500

0

Time-->





#62

4-Bromofluorobenzene

Concen: 43.371 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU028724.D

Acq: 17 Dec 2018 16:43

Instrument :

MSVOA_U

ClientSampleId :

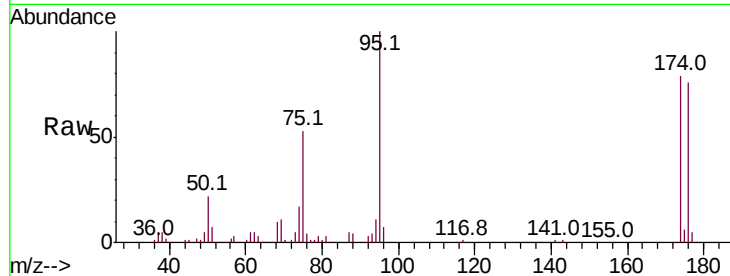
Tot Ion: 95 Resp: 64700

Ion Ratio Lower Upper

95 100

174 77.7 0.0 150.4

176 75.5 0.0 145.2

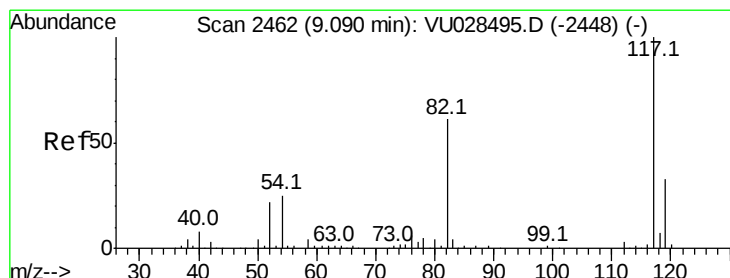
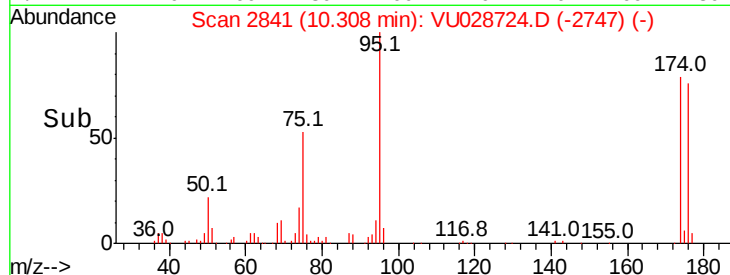


Abundance Ion 94.90 (94.60 to 95.60): VU028495.D (-2828) (-)

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

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

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VU028724.D

Acq: 17 Dec 2018 16:43

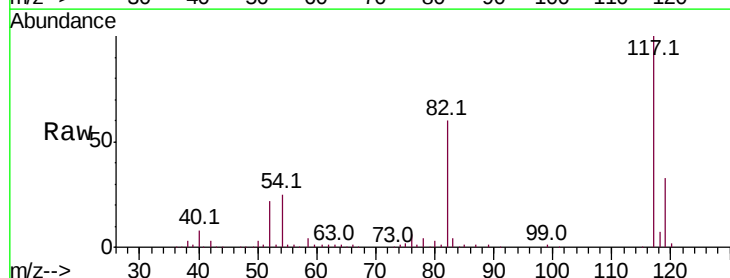
Tgt Ion: 117 Resp: 141841

Ion Ratio Lower Upper

117 100

82 60.2 48.9 73.3

119 32.9 26.2 39.4

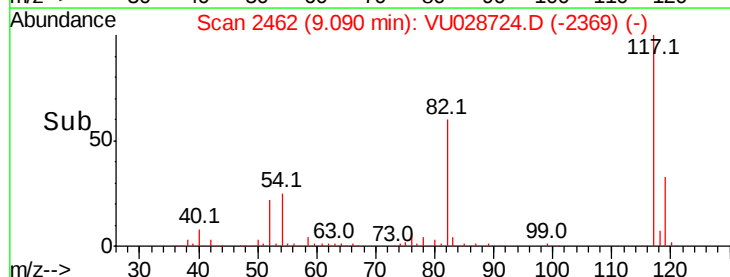


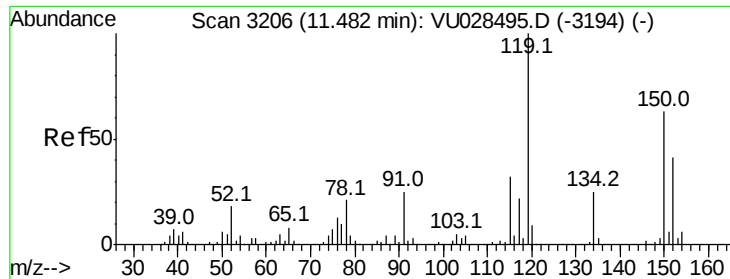
Abundance Ion 116.90 (116.60 to 117.60): VU028495.D (-2448) (-)

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

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

Time-->



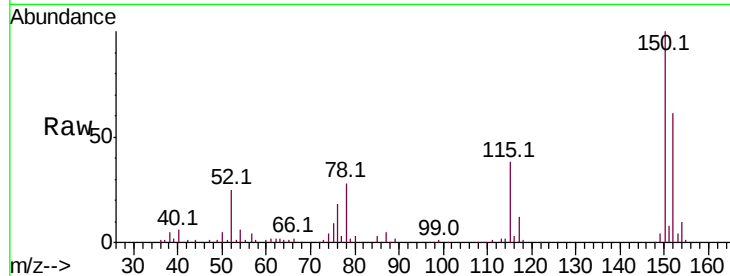


#72

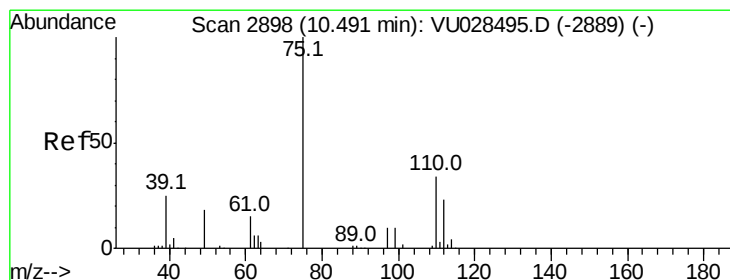
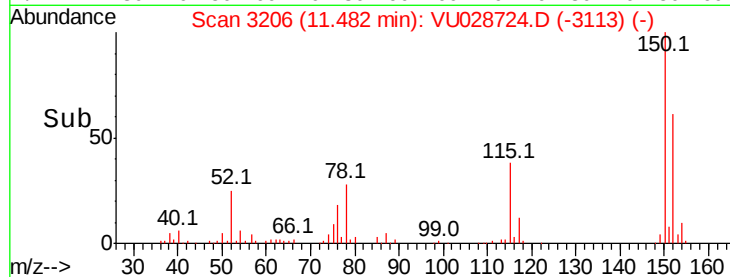
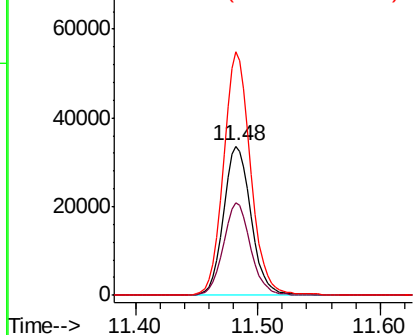
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.48 min Scan# 3206
Delta R.T. 0.00 min
Lab File: VU028724.D
Acq: 17 Dec 2018 16:43

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:152 Resp: 53496
Ion Ratio Lower Upper
152 100
115 60.8 42.7 128.1
150 160.4 0.0 346.0



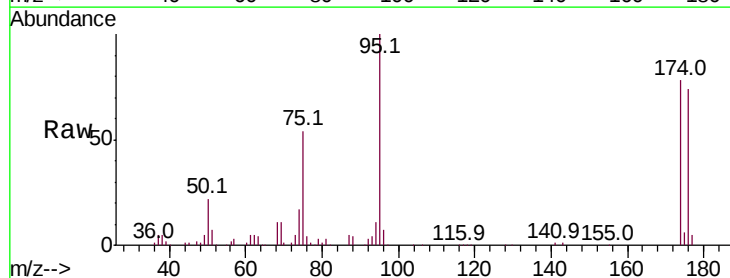
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



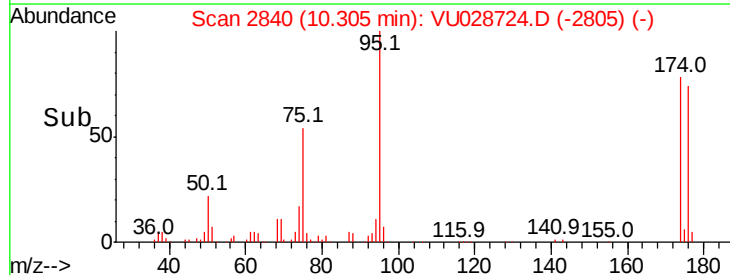
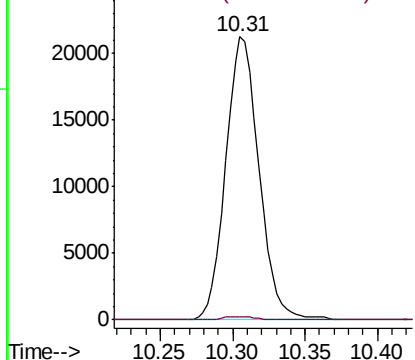
#76

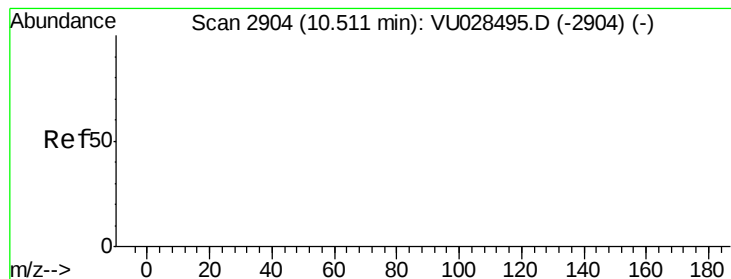
1,2,3-Trichloropropane
Concen: 24.751 ug/l
RT: 10.31 min Scan# 2840
Delta R.T. -0.19 min
Lab File: VU028724.D
Acq: 17 Dec 2018 16:43

Tgt Ion: 75 Resp: 33811
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: 60.742 ug/l

RT: 10.31 min Scan# 2840

Delta R.T. -0.20 min

Lab File: VU028724.D

Acq: 17 Dec 2018 16:43

Instrument :

MSVOA_U

ClientSampleId :

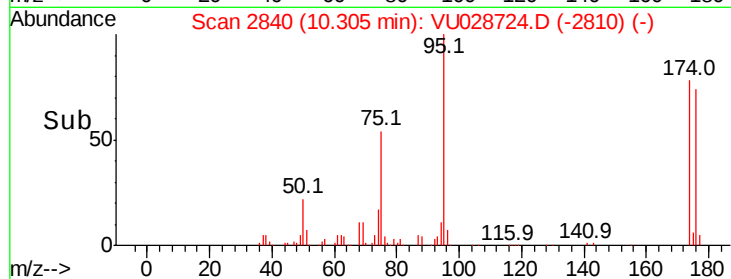
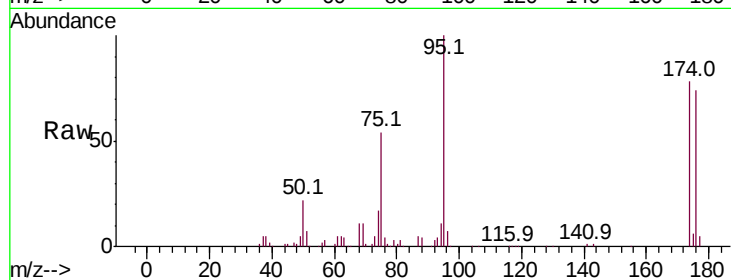
Tot Ion: 75 Resp: 33811

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

