

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121718\
 Data File : VU028722.D
 Acq On : 17 Dec 2018 15:55
 Operator : MD/SY
 Sample : J6445-08
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 18 03:08:51 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	95172	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	166500	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	148458	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	57585	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	73416	50.55	ug/l	0.00
Spiked Amount			Recovery	=	101.10%	
35) Dibromofluoromethane	4.88	113	55440	52.91	ug/l	0.00
Spiked Amount			Recovery	=	105.82%	
50) Toluene-d8	7.57	98	211497	51.03	ug/l	0.00
Spiked Amount			Recovery	=	102.06%	
62) 4-Bromofluorobenzene	10.31	95	68872	44.46	ug/l	0.00
Spiked Amount			Recovery	=	88.92%	

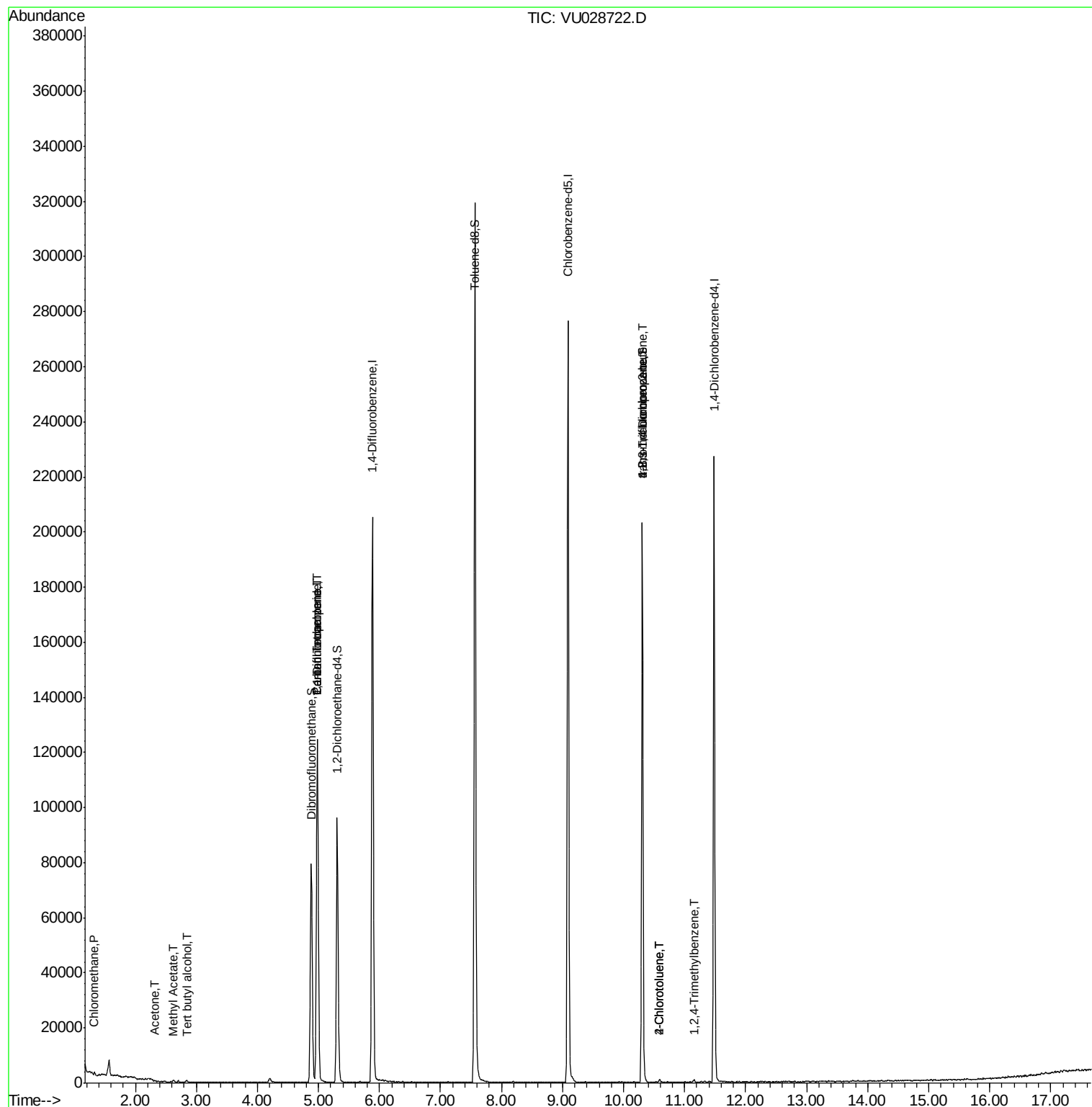
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1387	0.591	ug/l #	82
11) Tert butyl alcohol	2.84	59	611	1.888	ug/l #	73
16) Acetone	2.32	43	259	0.273	ug/l #	44
18) Methyl Acetate	2.62	43	1178	0.479	ug/l #	56
31) Cyclohexane	4.98	56	2169	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	8146	4.471	ug/l #	47
38) Carbon Tetrachloride	4.98	117	9142	6.225	ug/l #	15
76) 1,2,3-Trichloropropane	10.30	75	35631	24.231	ug/l #	35
79) 2-Chlorotoluene	10.59	91	1043	0.330	ug/l #	43
81) trans-1,4-Dichloro-2-buten	10.30	75	35631	59.477	ug/l #	100
82) 4-Chlorotoluene	10.59	91	1043	0.278	ug/l #	47
84) 1,2,4-Trimethylbenzene	11.15	105	763	0.202	ug/l	95

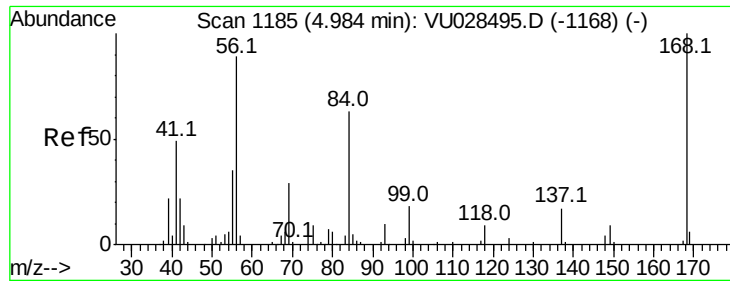
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU121718\
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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: VU028722.D

Acq: 17 Dec 2018 15:55

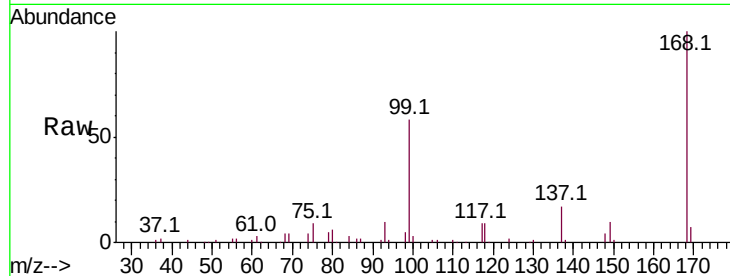
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:168 Resp: 95172

Ion Ratio Lower Upper

168 100

99 57.8 46.6 69.8

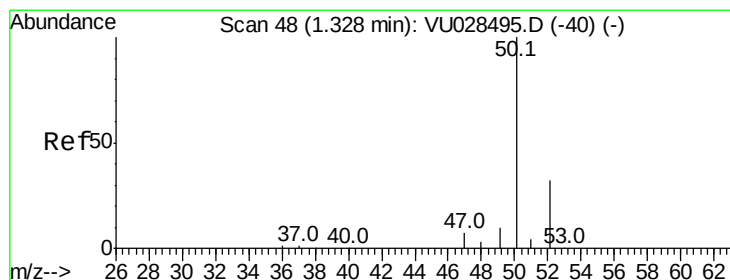
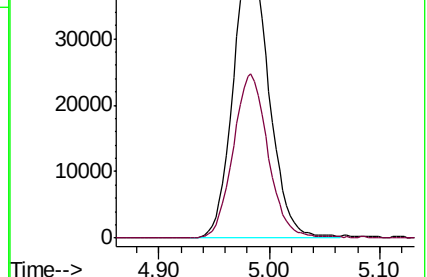
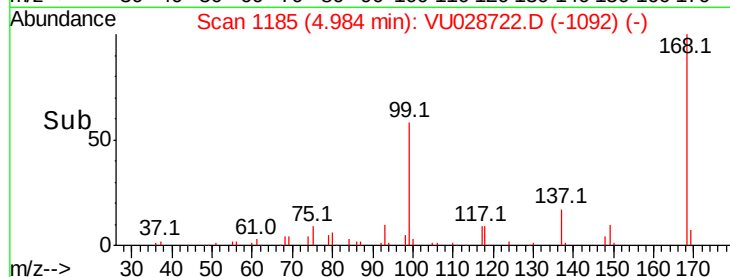


Abundance Ion 167.90 (167.60 to 168.60): VU028495.D (-1168) (-)

Ion 98.90 (98.60 to 99.60): VU028495.D (-1168) (-)

4.98

Time-->



#3

Chloromethane

Concen: 0.591 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU028722.D

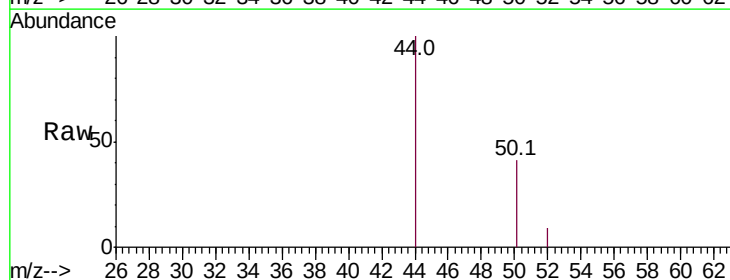
Acq: 17 Dec 2018 15:55

Tgt Ion: 50 Resp: 1387

Ion Ratio Lower Upper

50 100

52 21.7 25.5 38.3#

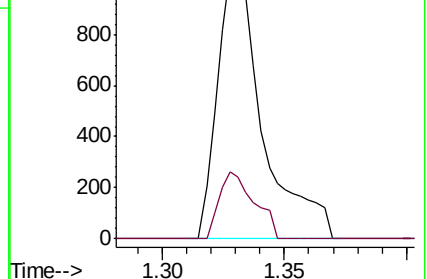
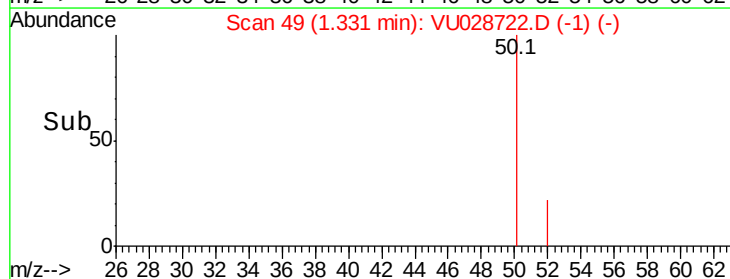


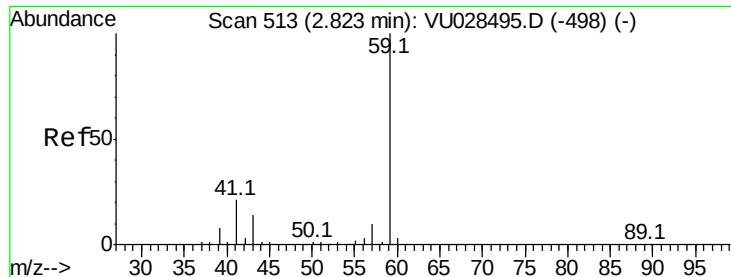
Abundance Ion 49.90 (49.60 to 50.60): VU028495.D (-40) (-)

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

1.33

Time-->



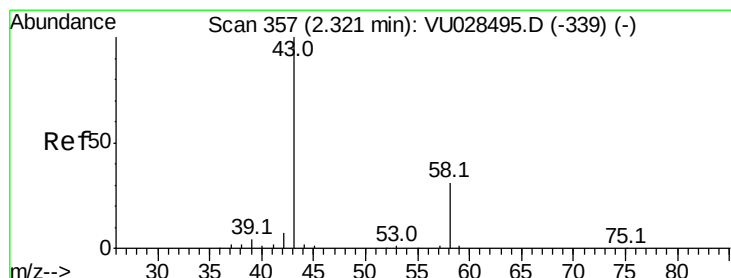
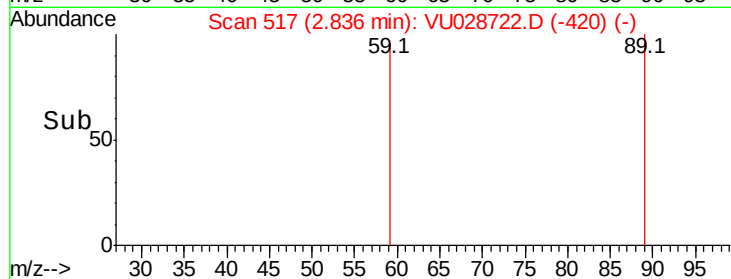
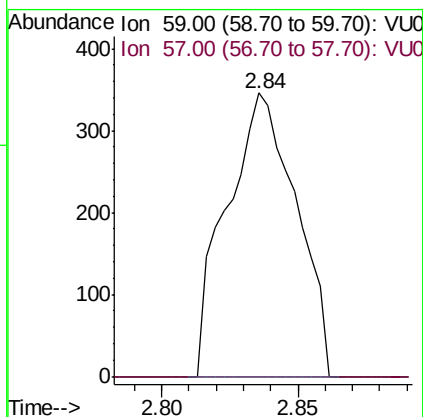
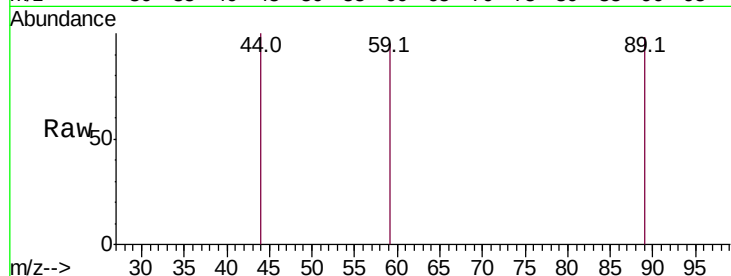


#11

Tert butyl alcohol
 Concen: 1.888 ug/l
 RT: 2.84 min Scan# 517
 Delta R.T. 0.01 min
 Lab File: VU028722.D
 Acq: 17 Dec 2018 15:55

Instrument :
 MSVOA_U
 ClientSampleId :

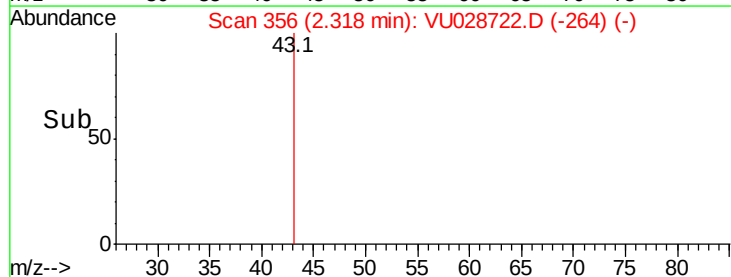
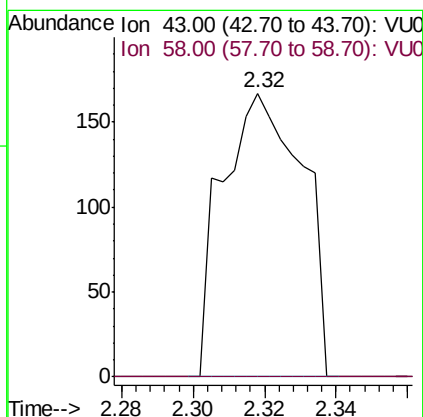
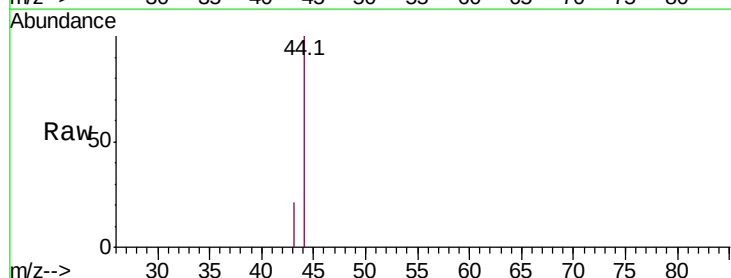
Tot Ion: 59 Resp: 611
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.0 12.0#

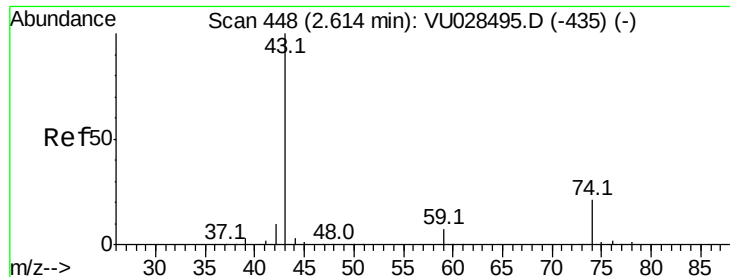


#16

Acetone
 Concen: 0.273 ug/l
 RT: 2.32 min Scan# 356
 Delta R.T. -0.00 min
 Lab File: VU028722.D
 Acq: 17 Dec 2018 15:55

Tgt Ion: 43 Resp: 259
 Ion Ratio Lower Upper
 43 100
 58 0.0 24.6 37.0#

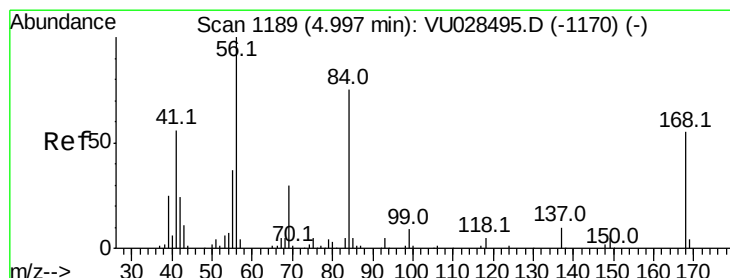
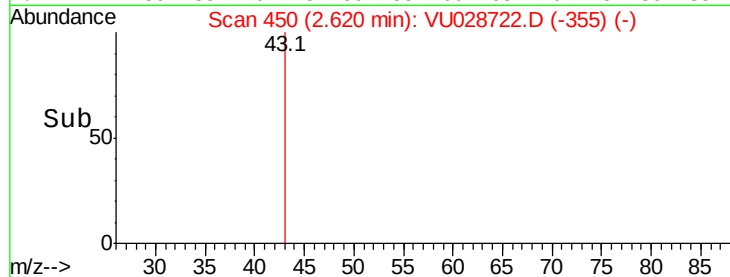
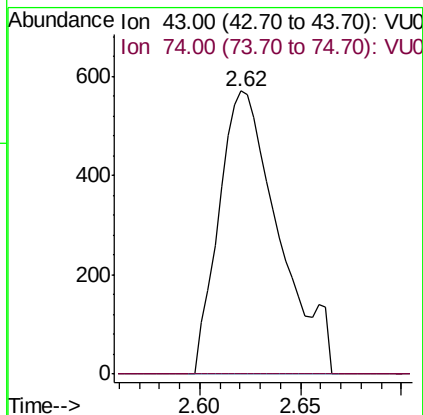
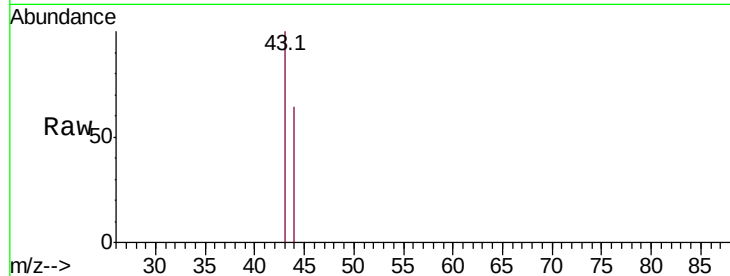




#18
Methvl Acetate
Concen: 0.479 ug/l
RT: 2.62 min Scan# 450
Delta R.T. 0.01 min
Lab File: VU028722.D
Acq: 17 Dec 2018 15:55

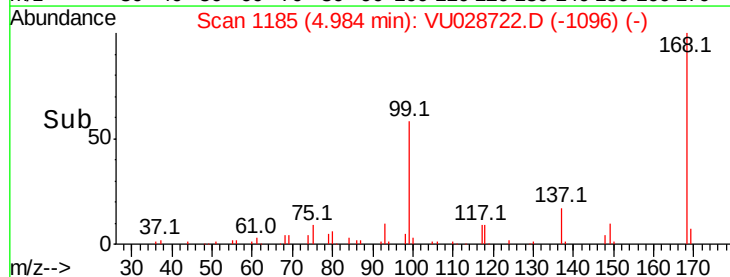
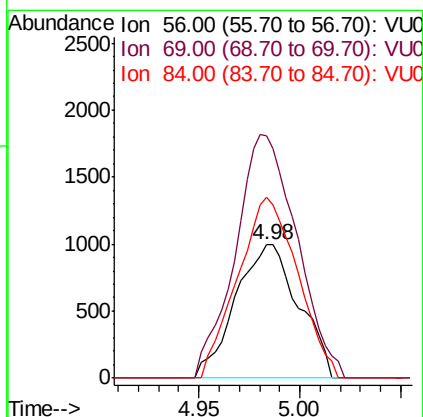
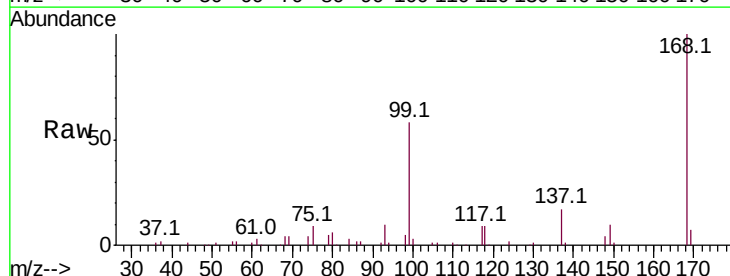
Instrument :
MSVOA_U
ClientSampleId :

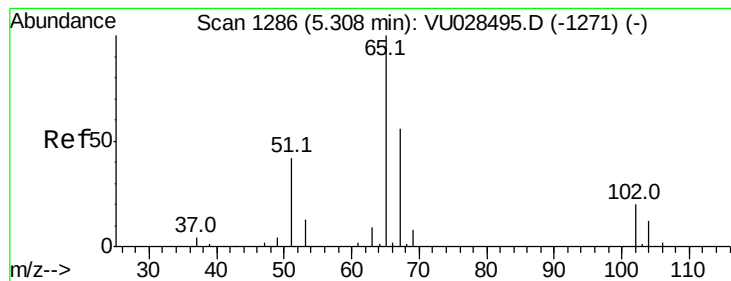
Tot Ion: 43 Resp: 1178
Ion Ratio Lower Upper
43 100
74 0.0 16.4 24.6#



#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU028722.D
Acq: 17 Dec 2018 15:55

Tgt Ion: 56 Resp: 2169
Ion Ratio Lower Upper
56 100
69 182.1 24.0 36.0#
84 135.4 59.7 89.5#





#33

1,2-Dichloroethane-d4

Concen: 50.549 ug/l

RT: 5.31 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VU028722.D

Acq: 17 Dec 2018 15:55

Instrument :

MSVOA_U

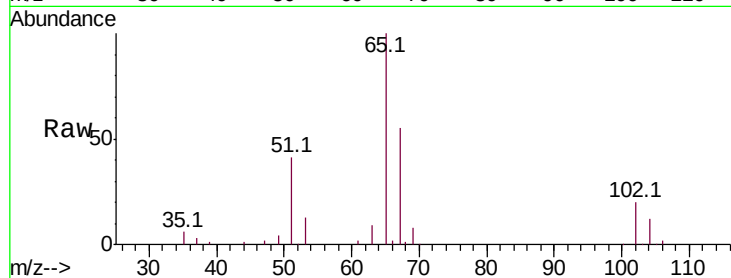
ClientSampleId :

Tot Ion: 65 Resp: 73416

Ion Ratio Lower Upper

65 100

67 54.7 0.0 110.6



Abundance Ion 64.90 (64.60 to 65.60): VU028495.D (-1271) (-)

Ion 66.90 (66.60 to 67.60): VU028495.D (-1271) (-)

5.31

40000

30000

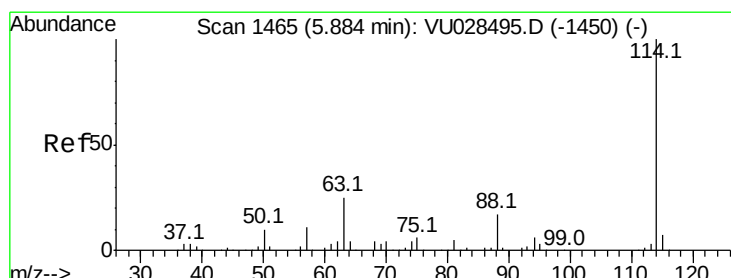
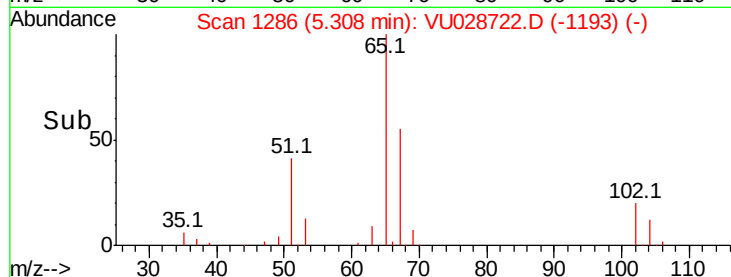
20000

10000

0

Time-->

5.20 5.30 5.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.88 min Scan# 1465

Delta R.T. -0.00 min

Lab File: VU028722.D

Acq: 17 Dec 2018 15:55

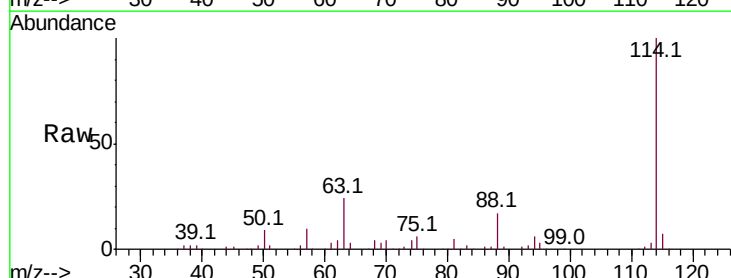
Tgt Ion:114 Resp: 166500

Ion Ratio Lower Upper

114 100

63 23.9 0.0 49.2

88 16.6 0.0 33.4



Abundance Ion 113.90 (113.60 to 114.60): VU028495.D (-1450) (-)

Ion 63.00 (62.70 to 63.70): VU028495.D (-1450) (-)

Ion 87.90 (87.60 to 88.60): VU028495.D (-1450) (-)

5.88

100000

80000

60000

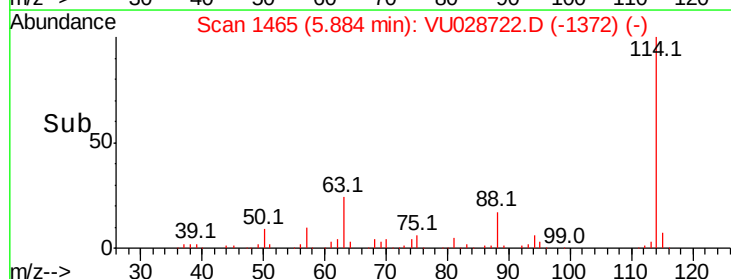
40000

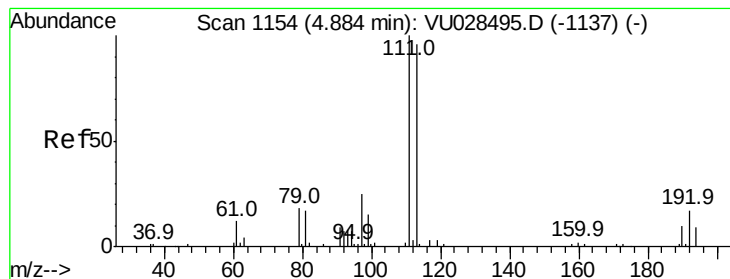
20000

0

Time-->

5.80 5.90 6.00





#35

Dibromofluoromethane

Concen: 52.911 ug/l

RT: 4.88 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VU028722.D

Acq: 17 Dec 2018 15:55

Instrument :
MSVOA_U
ClientSampleId :

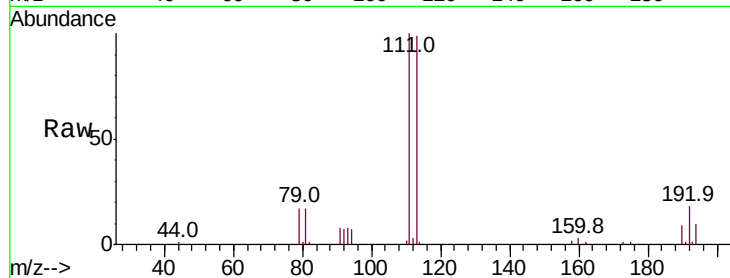
Tot Ion:113 Resp: 55440

Ion Ratio Lower Upper

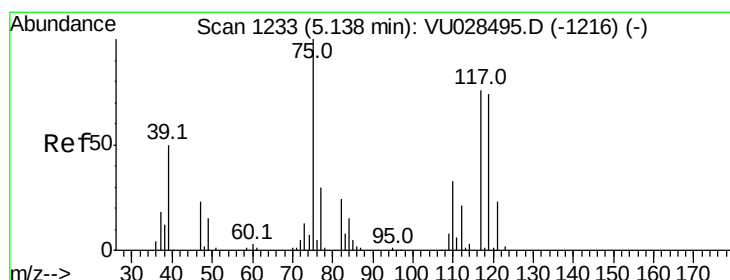
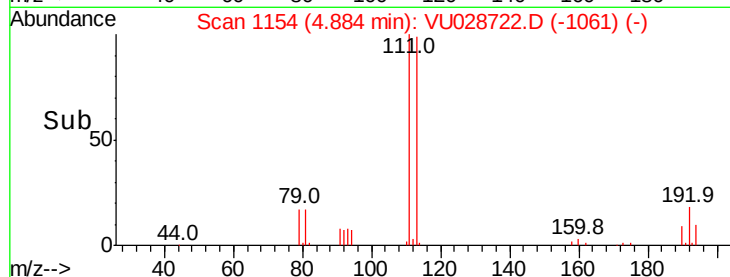
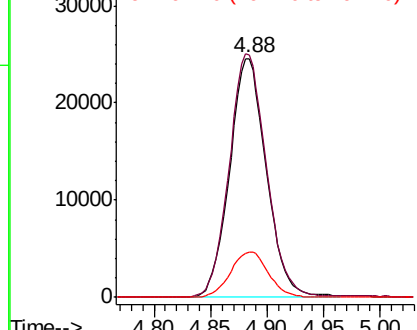
113 100

111 103.0 83.4 125.0

192 19.4 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: 4.471 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.15 min

Lab File: VU028722.D

Acq: 17 Dec 2018 15:55

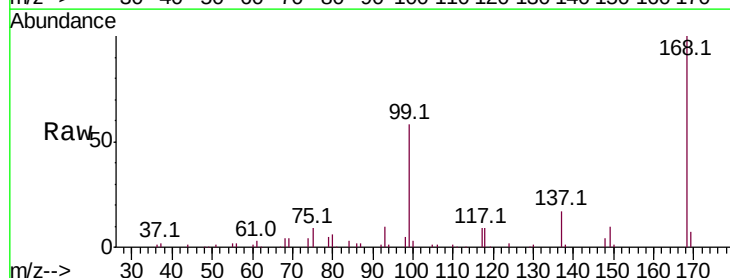
Tgt Ion: 75 Resp: 8146

Ion Ratio Lower Upper

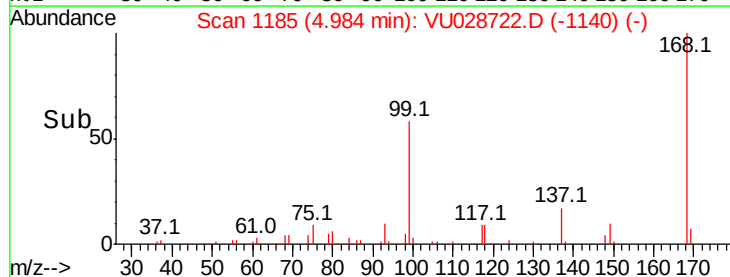
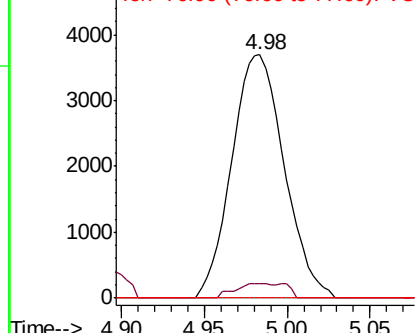
75 100

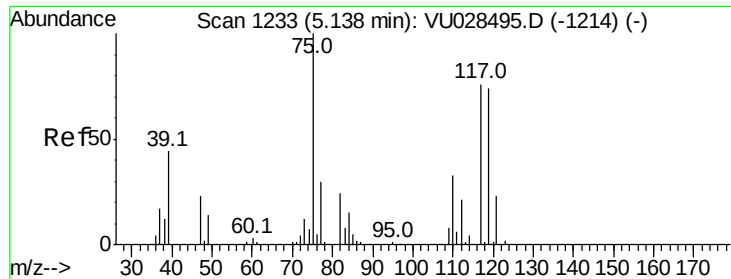
110 4.5 16.1 48.2#

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

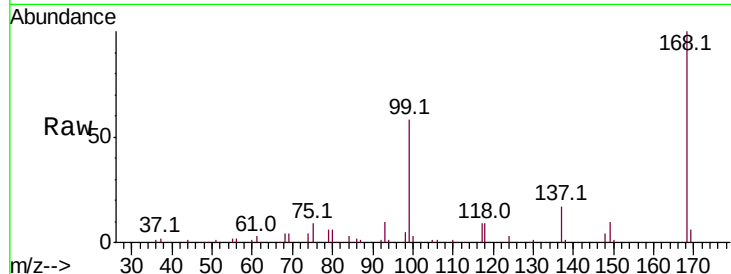




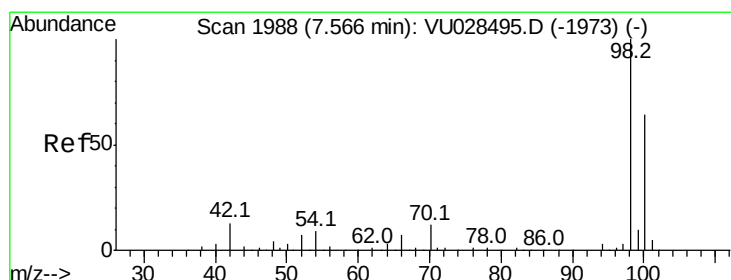
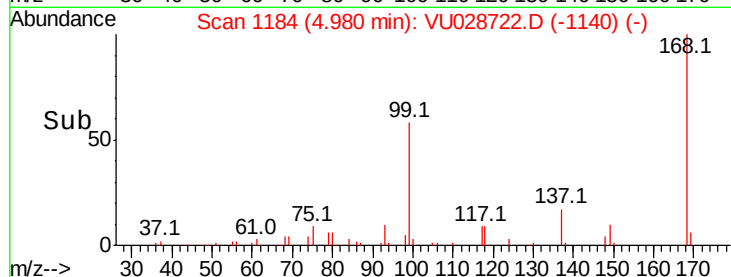
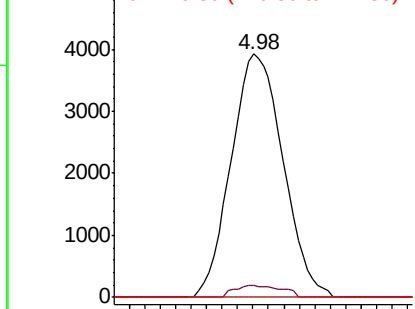
#38
Carbon Tetrachloride
Concen: 6.225 ug/l
RT: 4.98 min Scan# 1184
Delta R.T. -0.16 min
Lab File: VU028722.D
Acq: 17 Dec 2018 15:55

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:117 Resp: 9142
Ion Ratio Lower Upper
117 100
119 4.9 77.6 116.4#
121 0.0 24.6 36.8#

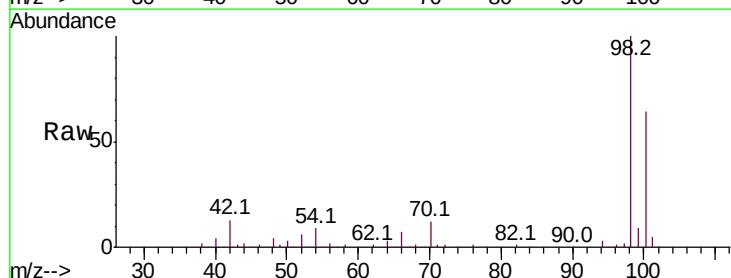


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

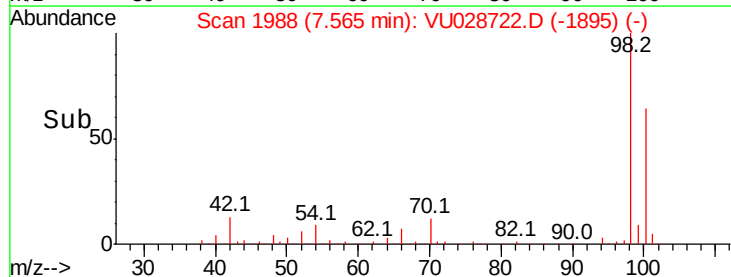
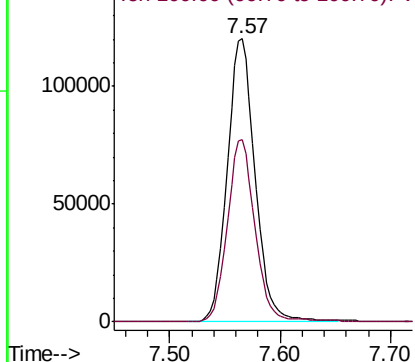


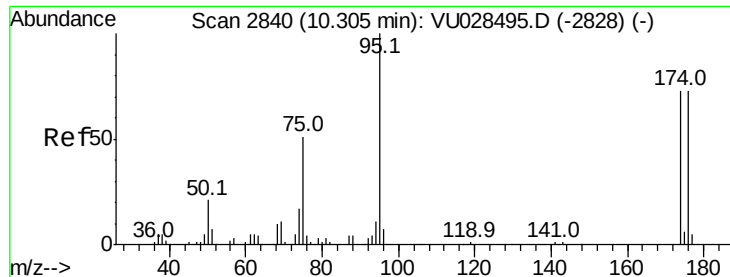
#50
Toluene-d8
Concen: 51.026 ug/l
RT: 7.57 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VU028722.D
Acq: 17 Dec 2018 15:55

Tgt Ion: 98 Resp: 211497
Ion Ratio Lower Upper
98 100
100 64.0 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VU0
Ion 100.00 (99.70 to 100.70): VU





#62

4-Bromofluorobenzene

Concen: 44.456 ug/l

RT: 10.31 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VU028722.D

Acq: 17 Dec 2018 15:55

Instrument :

MSVOA_U

ClientSampleId :

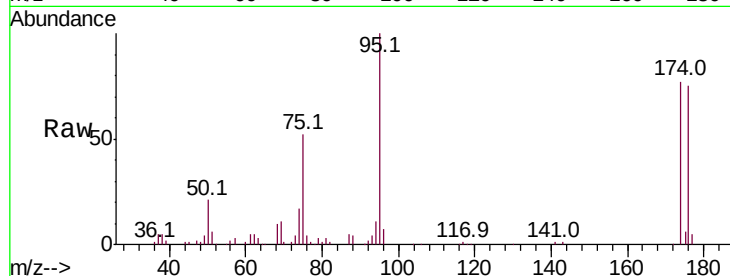
Tot Ion: 95 Resp: 68872

Ion Ratio Lower Upper

95 100

174 76.9 0.0 150.4

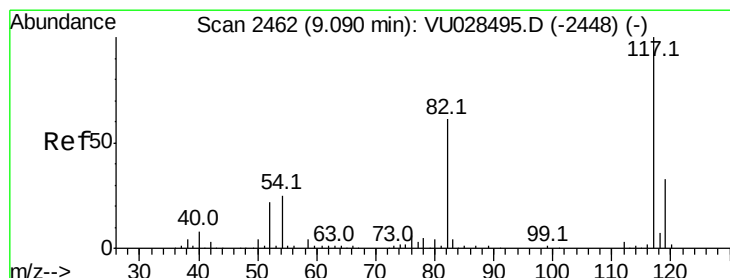
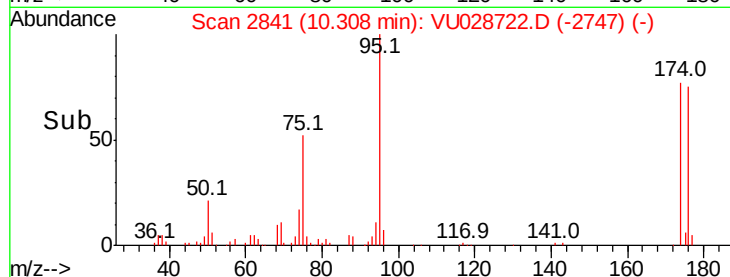
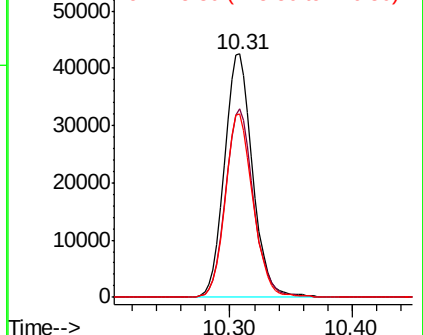
176 74.3 0.0 145.2



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: VU028722.D

Acq: 17 Dec 2018 15:55

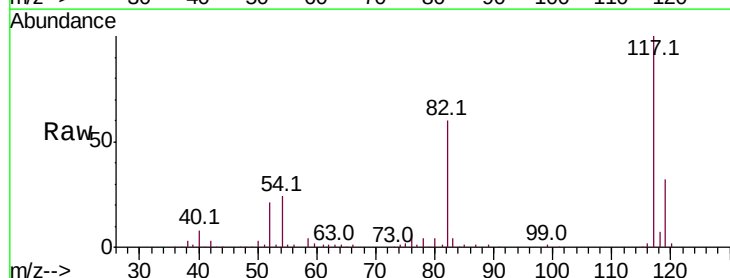
Tgt Ion: 117 Resp: 148458

Ion Ratio Lower Upper

117 100

82 60.1 48.9 73.3

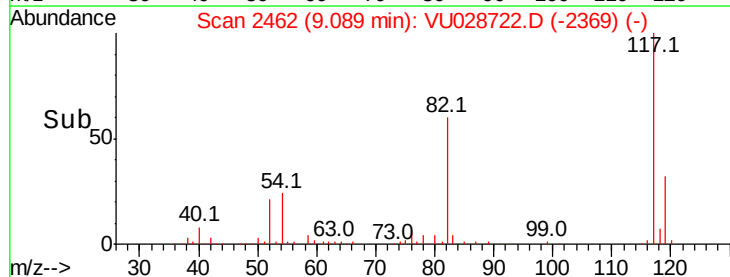
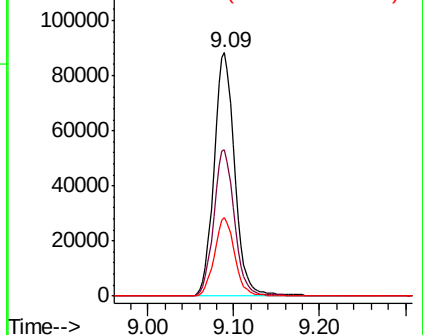
119 32.4 26.2 39.4

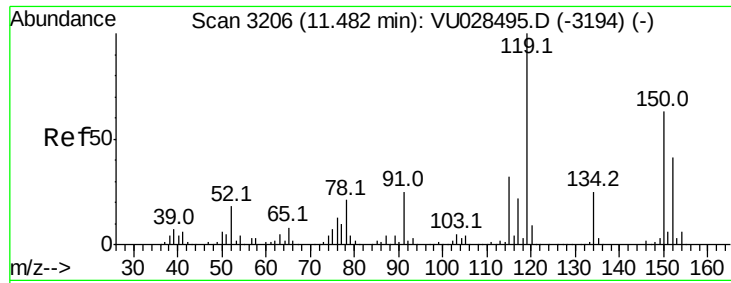


Abundance Ion 116.90 (116.60 to 117.60): VU028495.D (-2448) (-)

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

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



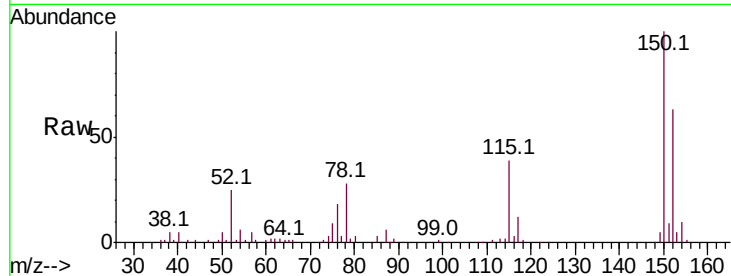


#72

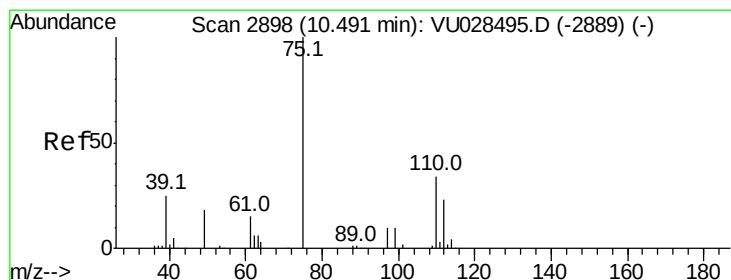
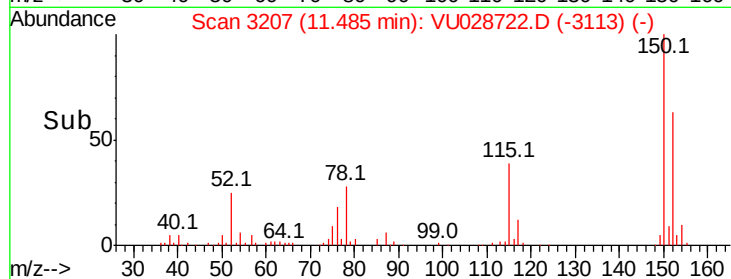
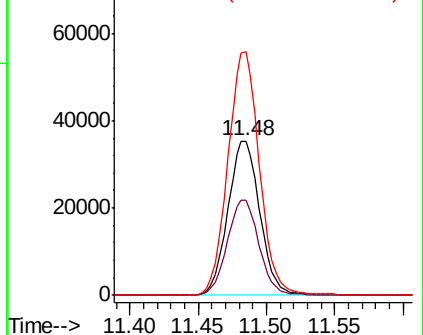
1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.48 min Scan# 3207
 Delta R.T. 0.00 min
 Lab File: VU028722.D
 Acq: 17 Dec 2018 15:55

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:152 Resp: 57585
 Ion Ratio Lower Upper
 152 100
 115 61.4 42.7 128.1
 150 156.1 0.0 346.0



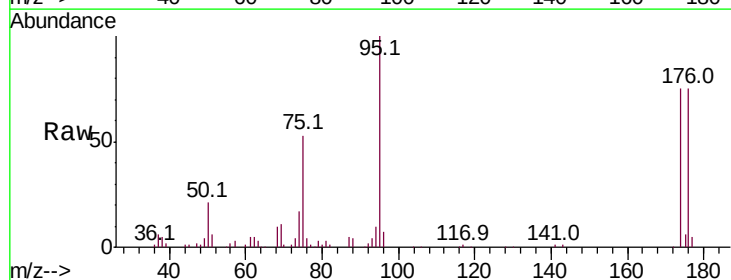
Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V



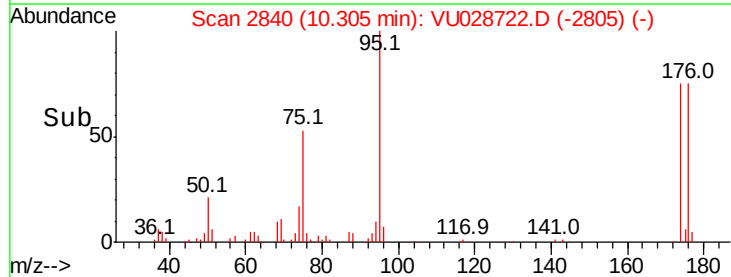
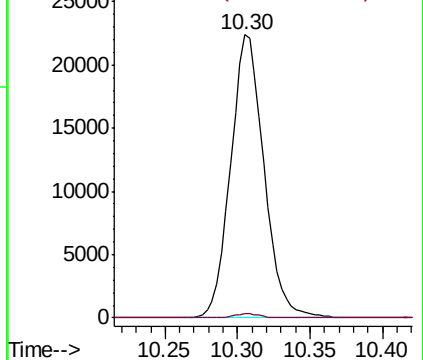
#76

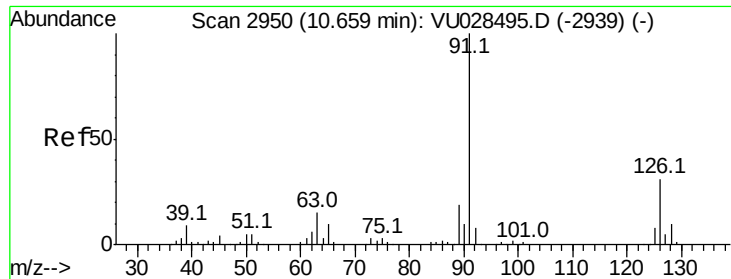
1,2,3-Trichloropropane
 Concen: 24.231 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.19 min
 Lab File: VU028722.D
 Acq: 17 Dec 2018 15:55

Tgt Ion: 75 Resp: 35631
 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





#79

2-Chlorotoluene

Concen: 0.330 ug/l

RT: 10.59 min Scan# 2929

Delta R.T. -0.07 min

Lab File: VU028722.D

Acq: 17 Dec 2018 15:55

Instrument :

MSVOA_U

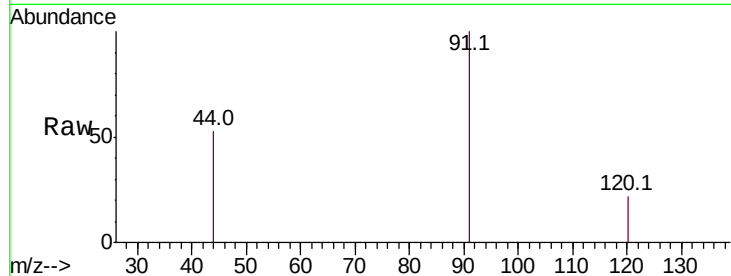
ClientSampleId :

Tot Ion: 91 Resp: 1043

Ion Ratio Lower Upper

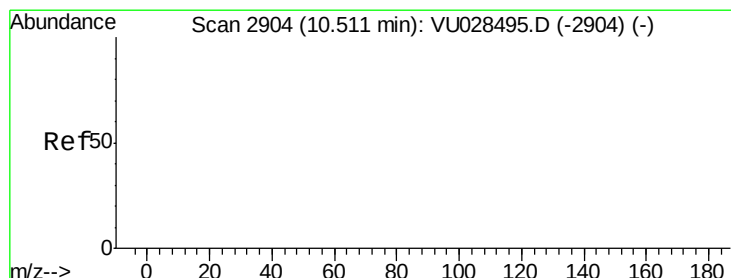
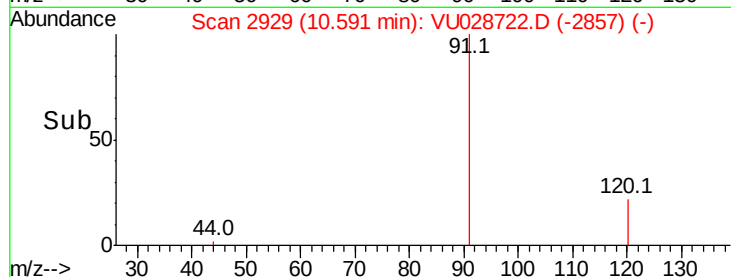
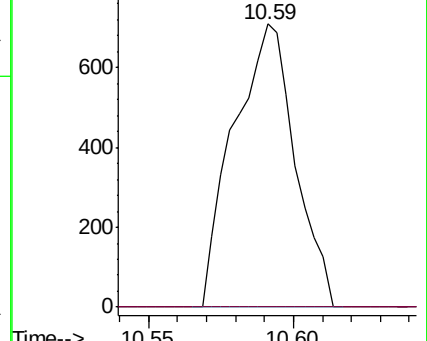
91 100

126 0.0 15.6 46.8#



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 125.90 (125.60 to 126.60): V



#81

trans-1,4-Dichloro-2-butene

Concen: 59.477 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU028722.D

Acq: 17 Dec 2018 15:55

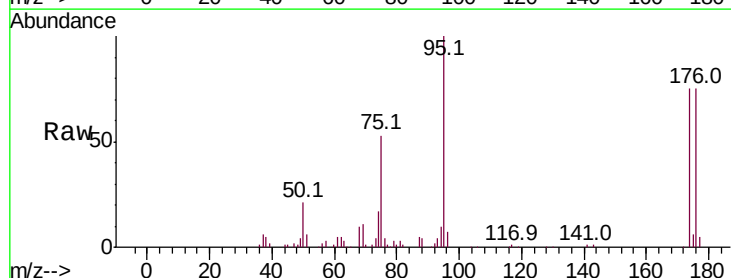
Tgt Ion: 75 Resp: 35631

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

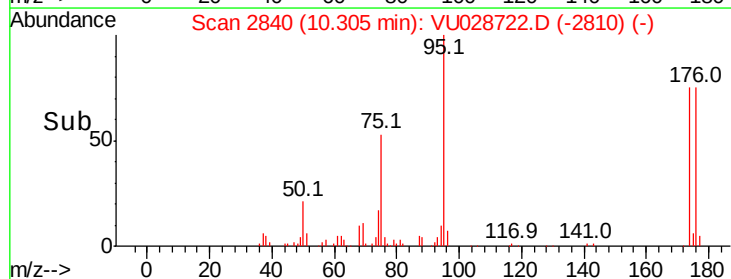
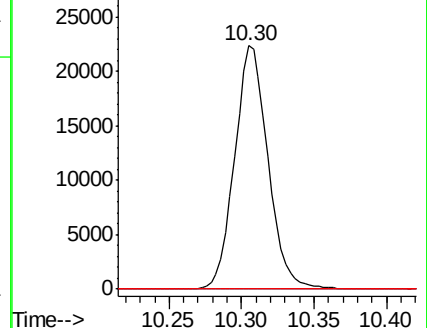
89 0.0 0.0 0.0

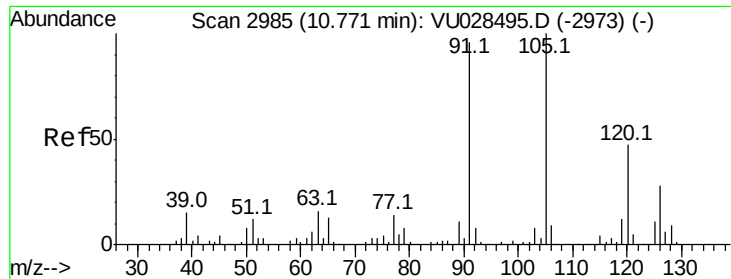


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

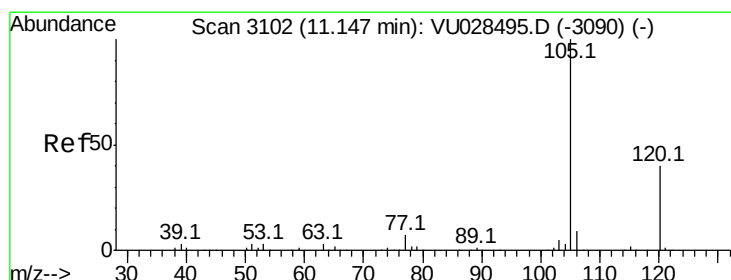
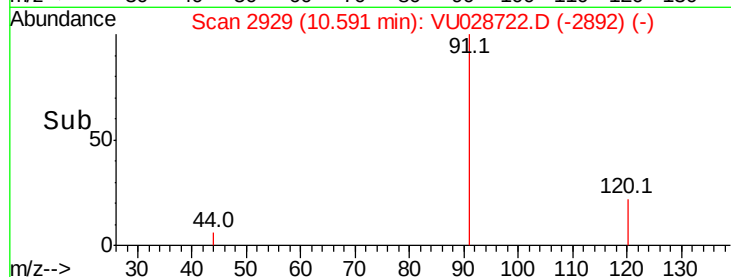
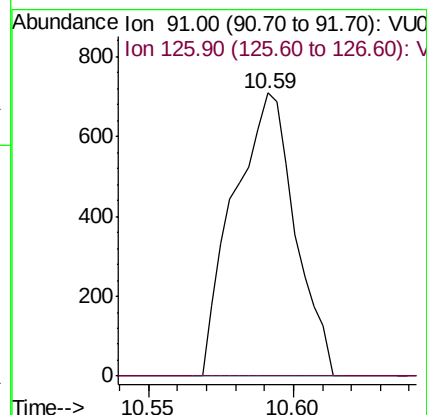
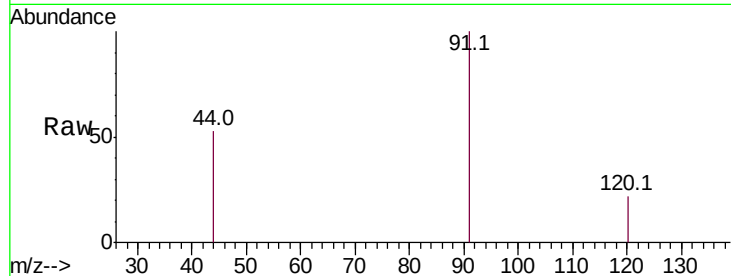




#82
4-Chlorotoluene
Concen: 0.278 ug/l
RT: 10.59 min Scan# 2929
Delta R.T. -0.18 min
Lab File: VU028722.D
Acq: 17 Dec 2018 15:55

Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 91 Resp: 1043
Ion Ratio Lower Upper
91 100
126 0.0 14.1 42.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.202 ug/l
RT: 11.15 min Scan# 3102
Delta R.T. -0.00 min
Lab File: VU028722.D
Acq: 17 Dec 2018 15:55

Tgt Ion: 105 Resp: 763
Ion Ratio Lower Upper
105 100
120 40.2 21.8 65.4

